GORDIAN®

Job Order Contract Construction Task Catalog

CSI Division 01-50 June 2025

Los Angeles County

Department of Public Works

Waterworks District

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About the CTC:

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MasterFormat™

- ☑ The tasks in this Construction Task Catalog are organized using CSI's *MasterFormat*.

CSI Building Knowledge Improving Project Delivery

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The Unit Prices Include:

Labor Costs:

- ☑ Labor costs include direct labor through the working foreperson level at straight-time prevailing wage rates including fringe benefits and an allowance for Social Security, Medicare taxes, worker's compensation, payroll taxes, unemployment insurance, and employee benefits.
- ☑ Labor costs include unloading equipment, traffic control, materials, and tools, and transporting the same up or down 2 stories and 125' to reach the project site; layout; measuring and cutting to fit; performing the task; disposal of excess material; and time for lunch and breaks.

Equipment Costs:

- ☑ Equipment costs include all equipment required to accomplish the task.
- ☑ Mobilization and Delivery are included for all equipment except large equipment (e.g. cranes, bulldozers, excavators, backhoes, bobcats etc.), which exclude mobilization.
- ☑ Equipment costs include all operating expenses such as fuel, electricity, lubricants, etc.

Material Costs:

- ☑ Material costs include the cost of the material, delivery, traffic control personnel, and all incidentals and accessories integral to the installation.
- ☑ Material costs include manufacturer's and/or fabricator's shop drawings.
- ☑ Material costs for roofing, drywall, VCT, carpet, wall covering, ceiling tile, pipe, conduit, concrete, etc. include an allowance for waste. This list is not intended to be all inclusive, but descriptive of the types of construction materials that are typically sold in standard lengths, sizes and weights.
- ☑ Material costs for imported materials (e.g. aggregate, sand, soil, etc.) include delivery up to 15 miles from the closest approved source.

The Adjustment Factors Include:

The Adjustment Factors include the following costs, unless specifically excluded by the terms of the Contract Documents:

Business Costs:

- ☑ Office overhead, including, but not limited to, office space, office equipment, office and management personnel, office supplies, and employee transportation.

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- ☑ Insurance and bonding.
- ☑ Profit.
- ☑ Job Order development services, Owner meetings, and other administrative services required by the Contract Documents.
- ☑ Subcontractor's overhead and profit.
- ☑ Cost of financing the work.
- ☑ Business risks such as the risk of a lower than expected volume of work, smaller than anticipated Job Orders, poor Subcontractor performance, and inflation or material and labor cost fluctuations.
- ☑ Payroll taxes, workers compensation, insurance costs and any other payment mandated by law in connection with labor, and inflation or material cost fluctuations.

Project Related Costs:

- ☑ Project trailer, equipment and supplies, and portable toilets for Contractor's use.
- ☑ Project management and project supervision.
- ☑ Services required to complete project filings and obtain permits.
- ☑ Preparation and modification of sketches, drawings, submittals, as-built drawings, and other project records.
- ☑ Incidental engineering and architectural services.
- ☑ Gang boxes and storage containers for Contractor's tools, equipment and materials.
- ☑ Basic safety and warning signage, minor barricades (e.g., construction tape, reflective cones, etc.) and personnel safety equipment (e.g., hard hats, safety harnesses with lifeline or cabling, protective clothing, safety glasses, face shields, etc.).
- ☑ Meeting Owner's security requirements.
- ☑ All taxes for which a waiver is not available including material sales tax and equipment rental.
- ☑ Removing and returning Owner's furniture and furnishings (e.g. chairs, tables, pictures, etc. but excluding modular furniture, furnishings fastened to the wall or floor, safes and other furniture requiring disassembly).
- ☑ Sealing windows doors, and other openings with plastic to contain construction dust and debris within the work area, or to protect existing surfaces.
- ☑ Working in extreme temperatures (below or above normal) or adverse conditions such as rain, wind, sleet or snow.
- ☑ Costs resulting from inadequate supply of building materials, fuel, electricity, or skilled labor.
- ☑ Daily clean-up.
- ☑ Final professional clean-up.
- ☑ Protection of all surfaces including those not in the scope of work from dust, debris or damage during construction is part of Adjustment Factors. The methods of protection including plastic, paper, Masonite, sealing of doors or windows, etc. are the Contractor's responsibility.
- ☑ Costs resulting from productivity loss.

Price Variations:

- ☑ Contractors may experience direct costs that are different than the unit prices set forth in the Construction Task Catalog. While diligent effort was made to provide accurate, unit prices, it is the Contractor's responsibility to review and analyze the unit prices, and to calculate, prior to bidding, the Adjustment Factors accordingly.

Summary:

- ☑ This list is not exhaustive and is intended to provide general examples of costs to be included in the Contractor's Adjustment Factors.
- ☑ The only compensation to be paid to the Contractor for unit price tasks will be:

Unit Price	X	Quantity	X	Adjustment Factor

- ☑ No additional payments of any kind whatsoever will be made.
- ☑ All costs in excess of the unit prices, must be included in the Adjustment Factors.

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General Rules:

- ☑ Unit prices are for complete and in-place construction and include all labor, equipment and material required to complete the task as described in the CTC.
- ☑ If the Contractor uses a crane or other lifting equipment (except a truck mounted boom lift or other equipment as part of the delivery process) to lift material onto a roof, even if that roof is less than 2 stories, the contractor will be paid for such crane or lifting equipment as a separate task.
- ☑ Unit prices include all fasteners such as anchor bolts, lag bolts, screws, adhesive, wedge anchors, expansion bolts, roofing clips (excluding hurricane clips) required. Fasteners listed separately in the CTC are for use with Owner furnished material and equipment or relocating or reinstalling existing material and equipment.
- ☑ Unit prices exclude more substantial mounting material such as threaded rod or angle iron unless the task description states otherwise.
- ☑ Unit prices for doors and windows, duct work, plumbing fixtures, seamless floors, countertops, roof flashing, pitch pockets, skylights, roof curbs, exterior trim, etc. include sealant and caulking.
- ☑ Unit prices include testing, calibrating, balancing, Programming, start-up services and the like required to ensure proper installation, construction and performance of the work (e.g. compaction test for backfill, balancing of heating ventilation and air conditioning, Programming of Controls, pneumatic or hydrostatic testing, soaping of joints, disinfection and flushing of water lines, etc.). Contractor may be paid for testing, calibrating, balancing, start-up services and the like for Owner supplied materials and equipment, or when working on or tying into existing materials and equipment.
- ☑ For the purpose of calculating the quantity of a task, quantities are calculated on a per project basis. The quantity so determined shall be used for the task and all appropriate modifiers, unless the task states otherwise.
- ☑ Whenever there are alternative tasks that may be selected to complete work, the Contractor shall select the most practical and economical tasks available (e.g. rental of equipment by weeks or months rather than days, or painting by roller or spray rather than brush).

Demolition:

- ☑ Unit prices for demolition include all labor, equipment and material required for the complete removal of the items; clean-up of the area; and transporting the demolished items up or down 2 stories into a truck, dumpster, or to an owner designated area, located within 125' of the project site.
- ☑ Unit prices for demolition exclude costs for hauling (See 01741900), dump fees (See 01741900), dumpsters (See 01741900), and trash chutes (See 01741900).
- ☑ If the item being demolished is attached to another item being removed and can be removed as one item, then that item shall not be priced as a separate demolition task, unless the component alone must be demolished to accomplish the task (e.g. demolition of pipe includes pipe fittings unless the fitting must be demolished separately to accomplish the task; demolition of a wood door includes hinges, hardware, closures, kick plates, etc.).
- ☑ The word "replace" includes removal of the existing item and installation of the new item.
- ☑ The words "remove and relocate" or "remove and reinstall" include removal, cleaning, and installation of the existing item in either the same location or another location.
- ☑ Salvageable materials are the property of the Owner and shall, if directed, be turned over to the Owner.

Working Height:

- ☑ Typical working height for work other than masonry is up to 14' above the finished floor or stationary working surface. The Contractor will not be paid for scaffolding, lifts, or similar equipment for work below 14'.
- ☑ Typical working height for masonry work is up to 4' above the finished floor or stationary working

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surface. The Contractor will not be paid for scaffolding, lifts, or similar equipment for masonry work below 4'.

Field Engineering:

☑ Surveying tasks shall be used only when the Owner requests the Contractor to perform topographic surveys, property line surveys or to establish horizontal and vertical control points. If the Owner provides horizontal and vertical control points within or adjacent to the project site, all other surveying required to complete the work shall be considered construction staking or layout, and the cost thereof is included in the appropriate tasks.

Assemblies:

☑ Assembly tasks take precedence over individual component tasks.

Restricted and Confined Spaces:

☑ Restricted Working Space is defined as any area with less than 3' vertical or horizontal clearance and includes areas such as crawl spaces, ceiling plenums where the grid is not removed, narrow piping tunnels, and equipment rooms where the space to install the new work is congested as a result of equipment and piping placement that meet these dimensional restrictions. A Restricted Working Space modifier is available for certain mechanical piping and piping accessories tasks and for certain electrical conduit and conduit accessories tasks. Only those tasks with a modifier for Restricted Working Space are eligible for a price adjustment, and then only if the modifier applies to the contemplated tasks. A non pre-priced task will not be allowed because of Restricted Working Space for any CTC task.

☑ Confined Working Space is defined according to the OSHA definition 29 CFR 1926.21(b)(6)(i): "Any space having limited means of egress, which is subject to accumulation of toxic or flammable contaminants or has an oxygen deficient atmosphere, including, but not limited to, storage tanks, process vessels, bins, boilers, ventilation and exhaust duct, sewers, underground vaults, tunnels, pipelines and open top spaces more than 4 feet in depth such as pits and tubs." The Contractor shall conform to all OSHA and Owner requirements for working in Confined Working Spaces. Required ventilation and air monitoring equipment tasks shall be priced from the CTC.

Technical Specifications:

☑ Technical Specifications for tasks shall be interpreted as follows: All labor, material, equipment, spare parts, services, and work required by a Technical Specification shall be considered included in the unit price, unless the task description states otherwise.

Or Equals:

☑ Whenever material, products, or equipment is identified in the CTC, or in the Technical Specifications, by reference to a manufacturer's name, make or model number, the identification is intended to establish a standard. Any material, product, or equipment of another manufacturer may be considered an or-equal provided that, in the opinion of the Owner, the material, product, or equipment so proposed is of equal quality, substance and function to the named item. The Contractor shall not install any proposed material, product, or equipment without the prior written approval of the Owner. The burden of proof, and all costs related thereto, concerning whether the proposed material, product, or equipment is an or-equal, shall be borne by the Contractor.

Useful Information:

Unit of Measure Definitions:

ACR – Acre, **BAG** – Bag, **BBL** – Barrel, **BCY** - Bank (In-place) Cubic Yards, **BF** - Board Foot, **BOX** - Box (each), **BTU** - British Thermal Unit, **C** - One Hundred, **CCF** - One Hundred Cubic Feet, **CCY** - Compacted

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Cubic Yards, **CF** - Cubic Foot, **CFM** - Cubic Feet Per Minute, **CI** – Cubic Inch, **CLF** - One Hundred Linear Feet, **CSF** - One Hundred Square Feet, **CSY** - Hundred Square Yards, **CWT** - Hundred Weight, **CY** - Cubic Yard, **CYM** - Cubic Yard Mile, **DAY** – Day, **DRM** - Drum (each), **EA** – Each, **FLR** - Floor (Per Floor), **FT** – Foot, **GAL** – Gallon, **GSF** - Ground Square Foot, **HR** – Hour, **HWT** - Hundred Carton Weight, **HYR** – Half Year, **IN** – Inch, **JOB** – Job, **LAN** – Lane, **LB** – Pound, **LCY** - Loose (Excavated) Cubic Yards, **LF** - Linear Foot, **LFD** - Linear Feet Per Day, **LIT –** Liter, **LOT** – Lot, **MBF** - One Thousand Board Feet, **MBH** - One Thousand British Thermal Units, **MCF** – One Thousand Cubic Feet, **MF3** - One Thousand Cubic Feet Per Minute, **MGL** – One Thousand Gallons, **MI** – Mile, **MLF** - One Thousand Linear Feet, **MO** – Month, **MSF** - One Thousand Square Feet, **MSY** - One Thousand Square Yards, **MT** – Metric Ton, **MTK** – Metric Ton Kilometer, **M2** – Square Meter, **M3K** – Cubic Meter Kilometer, **NTE** – Note, **OPN** – Opening, **OUT** - Outlet or Output (each), **OZ** – Ounce, **PKG** – Package, **PNT** – Point, **PR** – Pair, **QT** – Quart, **ROL** - Roll (each), **ROM** – Room, **ROW** – Row, **RSR** - Riser (Per Rise), **SEA** – Seat, **SET** – Set, **SF** - Square Foot, **SHT** – Sheet, **SI** - Square Inch, **STP** - Stop (each), **SQ** - Square or One Hundred Square Feet, **SY** - Square Yard, **SYI** – Inches per Square Yard, **TNM** - Tons per Mile, **TON** – Ton, **TRK** – Truck Load, **UI** - United Inch, **UNT** – Unit, **VLF** - Vertical Linear Foot, **WK** – Week, **YD** – Yard, **YR** – Year

Material Weights:

Earthen Material

☑ The following engineering values for establishing shrink/swell factors shall be used unless otherwise directed by the Owner.

	Material Weight (Lbs Per CY)		
Material	In-place (Bank)	Loose (Excavated Materials)	Compacted
Earth, Common (Average)	3170	2536	3520
Sand	2880	2590	3240
Earth, Rock Mix. (75% E/ 25% R)	3380	2370	3720
Earth, Rock Mix. (50% E/50% R)	3750	2710	4000
Earth, Rock Mix. (25% E/ 75% R)	4120	3140	3680
Gravel (Average)	3280	2730	3570
Limestone	4380	2690	3220
Riprap Rock (Average)	4500	2610	3150
Granite	4540	2640	3170
Basalt	4950	3020	3640
Clay	3220	2150	3570
Gneiss	4550	2720	3180

Bulk Factors for Demolition:

☑ The following bulk factors shall be used to calculate the volume of demolished material to be transported from the project site.

- **Asphalt** = 1.25
- **Concrete** = 1.40

Conversions:

1 Acre = 43,560 Square Feet = 4046.8 Square Meters

1 Board Foot = 12” x 12” x 1” = 144 Cubic Inches

1 Centimeter = 0.3937 Inches = 0.0328 Feet

1 Cubic Foot = 0.03704 Cubic Yards = 0.02832 Cubic Meters

1 Cubic Meter = 1.3080 Cubic Yards = 35.3147 Cubic Feet

1 Cubic Yard = 27 Cubic Feet = 0.7646 Cubic Meters

1 Foot = 12 Inches = 0.3048 Meters

1 Inch = 2.54 Centimeters = 0.0254 Meters

1 Kilogram = 2.2046 Pounds

1 Kilometer = 0.6214 Miles = 3280 Feet

1 Meter = 100 Centimeters = 3.2808 Feet

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1 Mile = 5280 Feet = 1.6093 Kilometers

1 Pound = 0.4536 Kilograms

1 Square Foot = 144 Square Inches = .0929 Square Meters

1 Square Meter = 1.1960 Square Yards = 10.7639 Square Feet

1 Square Yard = 9 Square Feet = 0.8361 Square Meters

1 Ton = 2000 Pounds = 907.185 Kilograms

1 Yard = 3 Feet = 0.9144 Meters

Sheet Metal Thickness (inches)				
Gage No.	Steel Sheet	Galvanized Steel Sheet	Stainless Steel Sheet	Aluminum Sheet
10	.135	.138	.141	
11	.120	.123	.125	
12	.105	.108	.109	
13	.090	.093	.094	.072
14	.075	.079	.078	.064
15	.067	.071	.070	.057
16	.060	.064	.063	.051
17	.054	.058	.056	.045
18	.048	.052	.050	.040
19	.042	.046	.044	.036
20	.036	.040	.038	.032
21	.033	.037	.034	.028
22	.030	.034	.031	.025
23	.027	.031	.028	.023
24	.024	.028	.025	.020
25	.021	.025	.022	.018
26	.018	.022	.019	.017

Standard Geometry:

Circle

- Circumference = 2 π radius = π diameter
- Area = π radius^2 = π (diameter^2 / 4)

Cylinder

- Volume = (π radius^2)height
- Surface Area = 2 π radius^2+(2 π radius)height

Sphere

- Volume = (4 π radius^3) / 3
- Surface Area = 4 π radius^2

π = 3.14159

United Inch

- The industry standard for measuring windows is the United Inch or UI. The UI is determined by adding the width and the height in inches.

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 General Requirements

01 10 Summary *(01)*

01 11 Summary Of Work *(01 10)*

01 11 13 Work Covered by Contract Documents *(01 11)*

Note: For specification publishing. Review specifications for requirements.

01 11 13 00-0001 NTE Work Covered by Contract Documents 0.00
Note: For specification publishing. Review specifications for requirements.

01 11 19 Purchase Contracts *(01 11)*

01 11 19 00-0001 Purchase Contracts *(01 11 19)*

Note: Purchase Contracts include contracts which are not included in The Construction Task Catalog®.

01 11 19 00-0002 EA Purchase Contracts 1.00
Note: Purchase Contracts will be paid to the contractor for eligible costs as directed by Owner. The base cost of the purchase is $1.00, quantity will adjust cost to actual purchase cost, i.e.; quantity of 125 = $125.00 purchase. If there are multiple Purchase Contracts, list each one separately and add a comment in the "note" block to identify the Purchase Contracts. Insert the appropriate quantity to adjust the base cost to the actual Purchase Contracts. The Adjustment Factor should be 1.00. A copy of each receipt, invoice, or proof of payment shall be submitted with the Price Proposal.

01 20 Price and Payment Procedures *(01)*

01 22 Unit Prices *(01 20)*

01 22 16 Unit Price Payment *(01 22)*

01 22 16 00-0001 Reimbursable Fees *(01 22 16)*

Note: Reimbursable fees include but are not limited to permits, special inspections, special insurance, additional warranties, tolls, recycling fees, dump fees, etc, which are not included in a task or an Adjustment Factor as explained in the Contract or The Construction Task Catalog®.

01 22 16 00-0002 EA Reimbursable Fees 1.00
Note: Reimbursable Fees will be paid to the contractor for eligible costs as directed by Owner. Insert the appropriate quantity to adjust the base cost to the actual Reimbursable Fee. If there are multiple Reimbursable Fees, list each one separately and add a comment in the "note" block to identify the Reimbursable Fee (e.g. sidewalk closure, road cut, various permits, extended warranty, expedited shipping costs, etc.). A copy of each receipt, invoice, or proof of payment shall be submitted with the Price Proposal.

01 22 20 Wage Rates *(01 22)*

01 22 20 00-0001 Local Labor/Wage Rates *(01 22 20)*

Note: Welders receive the rate prescribed for the craft performing the operation to which the welding is incidental.

01 22 20 00-0002 HR Asbestos Removal Worker 103.70
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.
For Apprentice, Deduct *-20.74*

01 22 20 00-0003 HR Insulator 113.49
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.
For Apprentice, Deduct *-22.70*

01 22 20 00-0004 HR Boilermaker 118.42
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.
For Apprentice, Deduct *-23.68*

01 22 20 00-0005 HR Brick Layer 97.55
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.
For Apprentice, Deduct *-19.51*

01 22 20 00-0006 HR Carpenter 109.11
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.
For Apprentice, Deduct *-21.82*

01 22 20 00-0007 HR Carpet, Linoleum 91.74
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.
For Apprentice, Deduct *-18.35*

01 22 20 00-0008 HR Cement Mason 93.68
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.
For Apprentice, Deduct *-18.74*

01 22 20 00-0009 HR Drywall Finisher 103.12
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.
For Apprentice, Deduct *-20.62*

01 22 20 00-0010 HR Electrician 125.30
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.
For Apprentice, Deduct *-25.06*

01 22 20 00-0011 HR Equipment Operator (Crane Group 3) 123.02
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.
For Foreperson, Add *6.15*

01 22 20 00-0012 HR Equipment Operator (Crane Group 5) 123.55
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.
For Foreperson, Add *6.18*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0013	HR	Equipment Operator (Crane Group 7)	123.88	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*6.19*	
01 22 20 00-0014	HR	Equipment Operator (Crane Group 8)	124.13	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*6.21*	
01 22 20 00-0015	HR	Equipment Operator (Crane Group 9)	124.38	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*6.22*	
01 22 20 00-0016	HR	Equipment Operator (Crane Group 10)	125.84	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*6.29*	
01 22 20 00-0017	HR	Equipment Operator (Crane Group 11)	127.30	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*6.37*	
01 22 20 00-0018	HR	Equipment Operator (Crane Group 12)	128.75	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*6.44*	
01 22 20 00-0019	HR	Equipment Operator (Crane Group 13)	130.21	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*6.51*	
01 22 20 00-0020	HR	Equipment Operator (Group 2)	120.63	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	*-24.13*	
		For Foreperson, Add	*6.03*	
01 22 20 00-0021	HR	Equipment Operator (Group 3)	121.06	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	*-24.21*	
		For Foreperson, Add	*6.05*	
01 22 20 00-0022	HR	Equipment Operator (Group 4)	123.23	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	*-24.65*	
01 22 20 00-0023	HR	Equipment Operator (Group 6)	123.55	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	*-24.71*	
		For Foreperson, Add	*6.18*	
01 22 20 00-0024	HR	Equipment Operator (Group 8)	123.71	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	*-24.74*	
01 22 20 00-0025	HR	Equipment Operator (Group 10)	123.88	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	*-24.78*	
		For Foreperson, Add	*6.19*	
01 22 20 00-0026	HR	Equipment Operator (Group 12)	124.13	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	*-24.83*	
		For Foreperson, Add	*6.21*	
01 22 20 00-0027	HR	Glazier	114.29	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	*-22.86*	
01 22 20 00-0028	HR	Laborer	98.99	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0029	HR	Lather	101.09	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	*-20.22*	
01 22 20 00-0030	HR	Marble Setter	97.55	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	*-19.51*	
01 22 20 00-0031	HR	Millwright	102.37	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	*-20.47*	
01 22 20 00-0032	HR	Mold Removal Worker	103.27	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	*-20.65*	
		For Foreperson, Add	*5.16*	
01 22 20 00-0033	HR	Painter, Ordinary	81.92	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	*-16.38*	
01 22 20 00-0034	HR	Painter, Structural Steel	87.89	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	*-17.58*	
01 22 20 00-0035	HR	Paperhanger	81.92	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	*-16.38*	
01 22 20 00-0036	HR	Pile Drivers	108.05	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	*-21.61*	
01 22 20 00-0037	HR	Plasterer	101.51	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	*-20.30*	
01 22 20 00-0038	HR	Plumber	115.66	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	*-23.13*	
01 22 20 00-0039	HR	Powderman	108.55	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	*-21.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0040	HR	Rodman (Reinforcing)/Ornamental Steel Worker Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	108.07	
		For Apprentice, Deduct	*-21.61*	
01 22 20 00-0041	HR	Roofer, Composite Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	128.22	
		For Apprentice, Deduct	*-25.64*	
01 22 20 00-0042	HR	Roofer, Metal Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	155.28	
		For Apprentice, Deduct	*-31.06*	
		For Foreperson, Add	*7.76*	
01 22 20 00-0043	HR	Roofer, Tile/Slate Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	124.56	
		For Apprentice, Deduct	*-24.91*	
01 22 20 00-0044	HR	Sheet Metal Worker Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	126.22	
		For Apprentice, Deduct	*-25.24*	
01 22 20 00-0045	HR	Sprinkler Installer Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	114.94	
		For Apprentice, Deduct	*-22.99*	
01 22 20 00-0046	HR	Steam / Pipe Fitter Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	115.66	
		For Apprentice, Deduct	*-23.13*	
01 22 20 00-0047	HR	Stone Mason Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	97.55	
		For Apprentice, Deduct	*-19.51*	
01 22 20 00-0048	HR	Structural Steel Worker Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	111.37	
		For Apprentice, Deduct	*-22.27*	
01 22 20 00-0049	HR	Tile Layer Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	94.24	
		For Apprentice, Deduct	*-18.85*	
01 22 20 00-0050	HR	Terrazzo Worker Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	86.73	
		For Apprentice, Deduct	*-17.35*	
01 22 20 00-0051	HR	Truck Driver (Group 2) Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	95.10	
		For Apprentice, Deduct	*-19.02*	
01 22 20 00-0052	HR	Truck Driver (Group 3) Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	95.30	
		For Apprentice, Deduct	*-19.06*	
		For Foreperson, Add	*4.77*	
01 22 20 00-0053	HR	Truck Driver (Group 4) Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	95.58	
		For Apprentice, Deduct	*-19.12*	
		For Foreperson, Add	*4.78*	
01 22 20 00-0054	HR	Truck Driver (Group 5) Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	95.62	
		For Apprentice, Deduct	*-19.12*	
		For Foreperson, Add	*4.78*	
01 22 20 00-0055	HR	Truck Driver (Group 6) Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	95.67	
		For Apprentice, Deduct	*-19.13*	
01 22 20 00-0056	HR	Truck Driver (Group 7) Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	96.04	
		For Apprentice, Deduct	*-19.21*	
01 22 20 00-0057	HR	Truck Driver (Group 8) Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	96.42	
		For Apprentice, Deduct	*-19.28*	
		For Foreperson, Add	*4.82*	
01 22 20 00-0058	HR	Truck Driver (Group 9) Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	96.72	
		For Apprentice, Deduct	*-19.34*	
		For Foreperson, Add	*4.84*	
01 22 20 00-0059	HR	Class I Diver Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	214.97	
01 22 20 00-0060	HR	Class III Diver Tender Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	119.53	
01 22 20 00-0061	HR	D1 Certified Welder Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	127.60	

01 22 20 00-0062 Rates For Services *(01 22 20)*

01 22 20 00-0063	HR	Watch/Guard Person, Unarmed	40.28	
01 22 20 00-0064	HR	Watch/Guard Person, Armed	51.80	
01 22 20 00-0065	HR	Senior Surveyor (Party Chief)	137.65	
01 22 20 00-0066	HR	Surveyor (Instrument person)	127.32	
01 22 20 00-0067	HR	Surveyor (Rod Person)	126.33	
01 22 20 00-0068	HR	On-Site Certified Materials Testing Technician	96.50	
01 22 20 00-0069	HR	Certified Industrial Hygienist	130.08	
01 22 20 00-0070	MI	Mileage For Professional Services (Engineering, Surveying, Etcetera) Note: For use only when the Owner directs the contractor to use personnel whose base of operations is more than 100 miles from the site. Quantity shall be miles that exceed 100.	0.67	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0071	HR	Fire Watch Laborer Note: Fire watchers shall be required whenever welding or cutting is performed in locations where other than a minor fire might develop, or any of the following conditions exist: (1) Appreciable combustible material, in building construction or contents, closer than 35 feet (10.7 m) to the point of operation. (2) Appreciable combustibles are more than 35 feet (10.7 m) away but are easily ignited by sparks. (3) Wall or floor openings within a 35-foot (10.7 m) radius expose combustible material in adjacent areas including concealed spaces in walls or floors. (4) Combustible materials are adjacent to the opposite side of metal partitions, walls, ceilings, or roofs and are likely to be ignited by conduction or radiation.	98.99	
01 22 20 00-0072		**Rates For Project Management Services** *(01 22 20)* Note: Includes subcontracted rates with burden and mark-up		
01 22 20 00-0073	HR	Project Manager	160.00	
01 22 20 00-0074		**Rates For Architectural And Engineering Services** *(01 22 20)* Note: For preparation of contract documents, structural and/or design drawings, special investigating requirements or services outside required architectural and engineering services. Includes subcontracted rates with burden and mark-up		
01 22 20 00-0075	HR	Principal Engineer	209.92	
01 22 20 00-0076	HR	Senior Engineer	174.08	
01 22 20 00-0077	HR	Engineer	136.96	
01 22 20 00-0078		**Rates For Traffic Control** *(01 22 20)*		
01 22 20 00-0079	HR	Flagperson For Traffic Control	98.99	
01 22 20 00-0080		**Mobilize Equipment** *(01 22 20)*		
01 22 20 00-0081	HR	Escort Vehicle With Driver	109.86	
01 22 20 00-0082	HR	Transport Vehicle With Driver	138.66	
01 22 20 00-0083		**Diver Rates** *(01 22 20)*		
01 22 20 00-0084	DAY	Four Person Dive Team With No Decompression Chamber (Up To Fifty Feet) Note: Includes labor and equipment to perform the dive portion of the job. Excludes welding machines, underwater burning and welding rigs, generators, tools, underwater video equipment, air compressors, pumps, and boats.	5,345.95	
01 22 20 00-0085	DAY	Eight Person Dive Team With Decompression Chamber (Up To Two Hundred Feet) Note: Includes labor and equipment to perform the dive portion of the job. Excludes welding machines, underwater burning and welding rigs, generators, tools, underwater video equipment, air compressors, pumps, and boats.	9,962.02	
01 22 20 00-0086	DAY	Decompression Chamber And 5120 Air Compressor	1,517.56	
01 22 20 00-0087	DAY	Decompression Chamber Stand-By	689.80	
01 22 20 00-0088	NPP	HP Air Bottles (NPP To Be Billed At Cost Plus 15%)	0.00	
01 22 20 00-0089	NPP	Oxygen Bottles (NPP To Be Billed At Cost Plus 15%)	0.00	
01 22 20 00-0090	NPP	Nitrox Bottles (NPP To Be Billed At Cost Plus 15%)	0.00	
01 22 20 00-0091	DAY	Mixed Gas Console	137.96	
01 22 20 00-0092	DAY	Bail Out System	344.90	
01 22 20 00-0093	DAY	Explosive Meter	124.16	
01 22 20 00-0094	DAY	200 Amperes, Welding Machine With Leads	298.58	
01 22 20 00-0095	DAY	400 Amperes, Welding Machine With Leads	414.90	
01 22 20 00-0096	DAY	Topside Burning Rig	137.96	
01 22 20 00-0097	DAY	Underwater Burning Rig	248.33	
01 22 20 00-0098	DAY	Underwater Welding Rig	386.29	
01 22 20 00-0099	EA	Underwater Burning Rods	10.76	
01 22 20 00-0100	EA	Underwater Welding Rods	5.24	
01 22 20 00-0101	NPP	Oxygen / Acetylene (NPP To Be Billed At Cost Plus 15%)	0.00	
01 22 20 00-0102	DAY	2,000 Watt Generator	95.67	
01 22 20 00-0103	DAY	3,000 Watt Generator	109.49	
01 22 20 00-0104	DAY	50 KW Generator	728.19	
01 22 20 00-0105	DAY	Hydraulic Unit	275.92	
01 22 20 00-0106	DAY	Hydraulic Tools	110.37	
01 22 20 00-0107	DAY	Pneumatic Tools	68.98	
01 22 20 00-0108	NPP	Concrete Chain Saw Blades (NPP To Be Billed At Cost Plus 15%)	0.00	
01 22 20 00-0109	DAY	Roto Drill	110.37	
01 22 20 00-0110	DAY	Underwater Video Equipment And Monitor	540.07	
01 22 20 00-0111	DAY	Air Compressor <180 CFM	304.60	
01 22 20 00-0112	DAY	Air Compressor >180 CFM	483.23	
01 22 20 00-0113	DAY	3" Trash Pump	178.92	
01 22 20 00-0114	DAY	4" Submersible Pump	200.09	
01 22 20 00-0115	DAY	6" Submersible Pump	404.02	
01 22 20 00-0116	DAY	6" Diesel Pump	432.88	
01 22 20 00-0117	DAY	Lengths Of Suction Hose (Each)	21.44	
01 22 20 00-0118	DAY	Lengths Of Discharge Hose (Each)	21.44	
01 22 20 00-0119	DAY	4 Ton Flatbed Trailer With Sides	205.75	
01 22 20 00-0120	DAY	Equipment Storage Trailer	49.28	
01 22 20 00-0121	DAY	Equipment Vehicle	338.59	
01 22 20 00-0122	DAY	Dive Boat	1,103.68	
01 22 20 00-0123	DAY	Jon Boat	110.37	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 22 23 Equipment Usage *(01 22)*

Note: Includes fuel costs unless otherwise stated. These tasks shall be used for owned, leased or rented equipment. Excludes mobilization unless otherwise stated. See CSI section 01 22 20 00-0078 for traffic control (where required), 01 71 13 00-0000 for equipment delivery, pickup, mobilization and demobilization.

01 22 23 00-0001 Aerial Equipment *(01 22 23)*

01 22 23 00-0002 Man Lifts *(01 22 23 00-0001)*

Note: Excludes operator, delivery, set-up, and removal.

01 22 23 00-0003 Telescoping Boom Man Lifts With Platform *(01 22 23 00-0002)*

01 22 23 00-0004 Engine Powered, Telescoping Boom Man Lifts With Platform *(01 22 23 00-0003)*

Note: Diesel or dual fuel (gasoline or liquid propane gas). Two-wheel drive. For use on unpaved or paved surfaces.

01 22 23 00-0005	DAY	40' Engine Powered, Telescoping Boom Man Lift With Platform	460.35	
		For Four-Wheel Drive, Add	*103.58*	
		For Half Day Usage, Deduct	*-143.86*	
01 22 23 00-0006	WK	40' Engine Powered, Telescoping Boom Man Lift With Platform	1,158.30	
		For Four-Wheel Drive, Add	*260.62*	
01 22 23 00-0007	MO	40' Engine Powered, Telescoping Boom Man Lift With Platform	2,598.75	
		For Four-Wheel Drive, Add	*584.72*	
		For >6 Months (>26 Weeks), Deduct	*-103.95*	
01 22 23 00-0008	DAY	60' Engine Powered, Telescoping Boom Man Lift With Platform	675.68	
		For Four-Wheel Drive, Add	*152.03*	
		For Half Day Usage, Deduct	*-211.15*	
01 22 23 00-0009	WK	60' Engine Powered, Telescoping Boom Man Lift With Platform	1,611.22	
		For Four-Wheel Drive, Add	*362.52*	
01 22 23 00-0010	MO	60' Engine Powered, Telescoping Boom Man Lift With Platform	3,526.88	
		For Four-Wheel Drive, Add	*793.55*	
		For >6 Months (>26 Weeks), Deduct	*-141.08*	
01 22 23 00-0011	DAY	80' Engine Powered, Telescoping Boom Man Lift With Platform	1,314.22	
		For Four-Wheel Drive, Add	*295.70*	
		For Half Day Usage, Deduct	*-410.69*	
01 22 23 00-0012	WK	80' Engine Powered, Telescoping Boom Man Lift With Platform	3,185.32	
		For Four-Wheel Drive, Add	*716.70*	
01 22 23 00-0013	MO	80' Engine Powered, Telescoping Boom Man Lift With Platform	6,682.50	
		For Four-Wheel Drive, Add	*1,503.56*	
		For >6 Months (>26 Weeks), Deduct	*-267.30*	
01 22 23 00-0014	DAY	110' Engine Powered, Telescoping Boom Man Lift With Platform	1,871.10	
		For Four-Wheel Drive, Add	*421.00*	
		For Half Day Usage, Deduct	*-584.72*	
01 22 23 00-0015	WK	110' Engine Powered, Telescoping Boom Man Lift With Platform	4,505.49	
		For Four-Wheel Drive, Add	*1,013.74*	
01 22 23 00-0016	MO	110' Engine Powered, Telescoping Boom Man Lift With Platform	11,226.60	
		For Four-Wheel Drive, Add	*2,525.99*	
		For >6 Months (>26 Weeks), Deduct	*-449.06*	
01 22 23 00-0017	DAY	120' Engine Powered, Telescoping Boom Man Lift With Platform	2,279.48	
		For Four-Wheel Drive, Add	*512.88*	
		For Half Day Usage, Deduct	*-712.34*	
01 22 23 00-0018	WK	120' Engine Powered, Telescoping Boom Man Lift With Platform	5,813.78	
		For Four-Wheel Drive, Add	*1,308.10*	
01 22 23 00-0019	MO	120' Engine Powered, Telescoping Boom Man Lift With Platform	13,216.50	
		For Four-Wheel Drive, Add	*2,973.71*	
		For >6 Months (>26 Weeks), Deduct	*-528.66*	

01 22 23 00-0020 Articulating (Up/Over) Boom Man Lifts With Platform *(01 22 23 00-0002)*

01 22 23 00-0021 Engine Powered, Articulating (Up/Over) Boom Man Lifts With Platform *(01 22 23 00-0020)*

Note: Diesel or dual fuel (gasoline or liquid propane gas). Four-wheel drive. For use on unpaved or paved surfaces.

01 22 23 00-0022	DAY	34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	423.31	
		For Half Day Usage, Deduct	*-132.28*	
01 22 23 00-0023	WK	34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,062.12	
01 22 23 00-0024	MO	34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	2,555.24	
		For >6 Months (>26 Weeks), Deduct	*-102.21*	
01 22 23 00-0025	DAY	45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	538.76	
		For Half Day Usage, Deduct	*-168.36*	
01 22 23 00-0026	WK	45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,177.56	
01 22 23 00-0027	MO	45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	2,923.13	
		For >6 Months (>26 Weeks), Deduct	*-116.93*	
01 22 23 00-0028	DAY	60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	692.68	
		For Half Day Usage, Deduct	*-216.46*	
01 22 23 00-0029	WK	60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,600.87	
01 22 23 00-0030	MO	60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	3,578.87	
		For >6 Months (>26 Weeks), Deduct	*-143.15*	
01 22 23 00-0031	DAY	80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,208.35	
		For Half Day Usage, Deduct	*-377.61*	
01 22 23 00-0032	WK	80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	2,847.70	
01 22 23 00-0033	MO	80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	6,925.31	
		For >6 Months (>26 Weeks), Deduct	*-277.01*	
01 22 23 00-0034	DAY	125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	2,347.43	
		For Half Day Usage, Deduct	*-733.57*	
01 22 23 00-0035	WK	125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	5,541.48	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0036	MO	125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	13,545.84	
		For >6 Months (>26 Weeks), Deduct	*-541.83*	

01 22 23 00-0037 Electric, Articulating (Up/Over) Boom Man Lifts With Platform *(01 22 23 00-0020)*

Note: For use on paved surfaces.

01 22 23 00-0038	DAY	30' Electric, Articulating (Up/Over) Boom Man Lift With Platform	423.31	
		For Half Day Usage, Deduct	*-132.28*	
01 22 23 00-0039	WK	30' Electric, Articulating (Up/Over) Boom Man Lift With Platform	1,062.12	
01 22 23 00-0040	MO	30' Electric, Articulating (Up/Over) Boom Man Lift With Platform	2,555.24	
		For >6 Months (>26 Weeks), Deduct	*-102.21*	
01 22 23 00-0041	DAY	35' Electric, Articulating (Up/Over) Boom Man Lift With Platform	423.31	
		For Half Day Usage, Deduct	*-132.28*	
01 22 23 00-0042	WK	35' Electric, Articulating (Up/Over) Boom Man Lift With Platform	1,062.12	
01 22 23 00-0043	MO	35' Electric, Articulating (Up/Over) Boom Man Lift With Platform	2,555.24	
		For >6 Months (>26 Weeks), Deduct	*-102.21*	
01 22 23 00-0044	DAY	40' Electric, Articulating (Up/Over) Boom Man Lift With Platform	523.36	
		For Half Day Usage, Deduct	*-163.55*	
01 22 23 00-0045	WK	40' Electric, Articulating (Up/Over) Boom Man Lift With Platform	1,131.39	
01 22 23 00-0046	MO	40' Electric, Articulating (Up/Over) Boom Man Lift With Platform	2,809.22	
		For >6 Months (>26 Weeks), Deduct	*-112.37*	
01 22 23 00-0047	DAY	45' Electric, Articulating (Up/Over) Boom Man Lift With Platform	523.36	
		For Half Day Usage, Deduct	*-163.55*	
01 22 23 00-0048	WK	45' Electric, Articulating (Up/Over) Boom Man Lift With Platform	1,131.39	
01 22 23 00-0049	MO	45' Electric, Articulating (Up/Over) Boom Man Lift With Platform	2,809.22	
		For >6 Months (>26 Weeks), Deduct	*-112.37*	

01 22 23 00-0050 Platform Lifts *(01 22 23 00-0001)*

Note: Excludes operator, delivery, set-up, and removal.

01 22 23 00-0051 Electric, Scissor Platform Lifts *(01 22 23 00-0050)*

Note: For use on paved surfaces.

01 22 23 00-0052	DAY	17' Electric, Scissor Platform Lift	191.42	
		For Half Day Usage, Deduct	*-59.82*	
01 22 23 00-0053	WK	17' Electric, Scissor Platform Lift	382.84	
01 22 23 00-0054	MO	17' Electric, Scissor Platform Lift	783.09	
		For >6 Months (>26 Weeks), Deduct	*-31.32*	
01 22 23 00-0055	DAY	20' Electric, Scissor Platform Lift	208.82	
		For Half Day Usage, Deduct	*-65.26*	
01 22 23 00-0056	WK	20' Electric, Scissor Platform Lift	417.65	
01 22 23 00-0057	MO	20' Electric, Scissor Platform Lift	835.30	
		For >6 Months (>26 Weeks), Deduct	*-33.41*	
01 22 23 00-0058	DAY	25' Electric, Scissor Platform Lift	269.73	
		For Half Day Usage, Deduct	*-84.29*	
01 22 23 00-0059	WK	25' Electric, Scissor Platform Lift	539.46	
01 22 23 00-0060	MO	25' Electric, Scissor Platform Lift	1,157.23	
		For >6 Months (>26 Weeks), Deduct	*-46.29*	
01 22 23 00-0061	DAY	30' Electric, Scissor Platform Lift	348.04	
		For Half Day Usage, Deduct	*-108.76*	
01 22 23 00-0062	WK	30' Electric, Scissor Platform Lift	687.38	
01 22 23 00-0063	MO	30' Electric, Scissor Platform Lift	1,522.68	
		For >6 Months (>26 Weeks), Deduct	*-60.91*	
01 22 23 00-0064	DAY	33' Electric, Scissor Platform Lift	374.14	
		For Half Day Usage, Deduct	*-116.92*	
01 22 23 00-0065	WK	33' Electric, Scissor Platform Lift	730.88	
01 22 23 00-0066	MO	33' Electric, Scissor Platform Lift	1,653.19	
		For >6 Months (>26 Weeks), Deduct	*-66.13*	
01 22 23 00-0067	DAY	40' Electric, Scissor Platform Lift	487.26	
		For Half Day Usage, Deduct	*-152.27*	
01 22 23 00-0068	WK	40' Electric, Scissor Platform Lift	1,209.44	
01 22 23 00-0069	MO	40' Electric, Scissor Platform Lift	3,367.29	
		For >6 Months (>26 Weeks), Deduct	*-134.69*	

01 22 23 00-0070 Engine Powered, Scissor Platform Lifts *(01 22 23 00-0050)*

Note: Diesel or dual fuel (gasoline or liquid propane gas). Two-wheel drive. For use on unpaved or paved surfaces.

01 22 23 00-0071	DAY	25' Engine Powered, Scissor Platform Lift	446.47	
		For Four-Wheel Drive, Add	*89.29*	
		For Half Day Usage, Deduct	*-139.52*	
01 22 23 00-0072	WK	25' Engine Powered, Scissor Platform Lift	873.09	
		For Four-Wheel Drive, Add	*174.62*	
01 22 23 00-0073	MO	25' Engine Powered, Scissor Platform Lift	2,133.12	
		For Four-Wheel Drive, Add	*426.62*	
		For >6 Months (>26 Weeks), Deduct	*-85.32*	
01 22 23 00-0074	DAY	33' Engine Powered, Scissor Platform Lift	456.39	
		For Four-Wheel Drive, Add	*91.28*	
		For Half Day Usage, Deduct	*-142.62*	
01 22 23 00-0075	WK	33' Engine Powered, Scissor Platform Lift	1,041.76	
		For Four-Wheel Drive, Add	*208.35*	
01 22 23 00-0076	MO	33' Engine Powered, Scissor Platform Lift	2,281.94	
		For Four-Wheel Drive, Add	*456.39*	
		For >6 Months (>26 Weeks), Deduct	*-91.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0077	DAY	40' Engine Powered, Scissor Platform Lift	506.00	
		For Four-Wheel Drive, Add	*101.20*	
		For Half Day Usage, Deduct	*-158.13*	
01 22 23 00-0078	WK	40' Engine Powered, Scissor Platform Lift	1,160.82	
		For Four-Wheel Drive, Add	*232.16*	
01 22 23 00-0079	MO	40' Engine Powered, Scissor Platform Lift	2,579.59	
		For Four-Wheel Drive, Add	*515.92*	
		For >6 Months (>26 Weeks), Deduct	*-103.18*	
01 22 23 00-0080	DAY	43' Engine Powered, Scissor Platform Lift	535.76	
		For Four-Wheel Drive, Add	*107.15*	
		For Half Day Usage, Deduct	*-167.43*	
01 22 23 00-0081	WK	43' Engine Powered, Scissor Platform Lift	1,250.11	
		For Four-Wheel Drive, Add	*250.02*	
01 22 23 00-0082	MO	43' Engine Powered, Scissor Platform Lift	3,075.66	
		For Four-Wheel Drive, Add	*615.13*	
		For >6 Months (>26 Weeks), Deduct	*-123.03*	
01 22 23 00-0083	DAY	50' Engine Powered, Scissor Platform Lift	1,002.07	
		For Four-Wheel Drive, Add	*200.41*	
		For Half Day Usage, Deduct	*-313.15*	
01 22 23 00-0084	WK	50' Engine Powered, Scissor Platform Lift	2,202.57	
		For Four-Wheel Drive, Add	*440.51*	
01 22 23 00-0085	MO	50' Engine Powered, Scissor Platform Lift	5,417.14	
		For Four-Wheel Drive, Add	*1,083.43*	
		For >6 Months (>26 Weeks), Deduct	*-216.69*	

01 22 23 00-0086 Personnel Lifts *(01 22 23 00-0001)*

Note: Includes delivery to job site and pick-up when complete. Excludes operator. For use on paved surfaces.

01 22 23 00-0087	DAY	24', Push-Type, Electric Single Man Personnel Lift	129.29	
		For Half Day Usage, Deduct	*-40.40*	
01 22 23 00-0088	WK	24', Push-Type, Electric Single Man Personnel Lift	366.33	
01 22 23 00-0089	MO	24', Push-Type, Electric Single Man Personnel Lift	739.85	
		For >6 Months (>26 Weeks), Deduct	*-29.59*	
01 22 23 00-0090	DAY	30', Push-Type, Electric Single Man Personnel Lift	179.58	
		For Half Day Usage, Deduct	*-56.12*	
01 22 23 00-0091	WK	30', Push-Type, Electric Single Man Personnel Lift	380.70	
01 22 23 00-0092	MO	30', Push-Type, Electric Single Man Personnel Lift	1,292.94	
		For >6 Months (>26 Weeks), Deduct	*-51.72*	
01 22 23 00-0093	DAY	36', Push-Type, Electric Single Man Personnel Lift	301.69	
		For Half Day Usage, Deduct	*-94.28*	
01 22 23 00-0094	WK	36', Push-Type, Electric Single Man Personnel Lift	732.67	
01 22 23 00-0095	MO	36', Push-Type, Electric Single Man Personnel Lift	2,140.53	
		For >6 Months (>26 Weeks), Deduct	*-85.62*	
01 22 23 00-0096	DAY	40', Push-Type, Electric Single Man Personnel Lift	323.24	
		For Half Day Usage, Deduct	*-101.01*	
01 22 23 00-0097	WK	40', Push-Type, Electric Single Man Personnel Lift	804.50	
01 22 23 00-0098	MO	40', Push-Type, Electric Single Man Personnel Lift	2,420.67	
		For >6 Months (>26 Weeks), Deduct	*-96.83*	
01 22 23 00-0099	DAY	15', Self-Propelled, Electric Single Man Personnel Lift	172.39	
		For Half Day Usage, Deduct	*-53.87*	
01 22 23 00-0100	WK	15', Self-Propelled, Electric Single Man Personnel Lift	344.78	
01 22 23 00-0101	MO	15', Self-Propelled, Electric Single Man Personnel Lift	689.57	
		For >6 Months (>26 Weeks), Deduct	*-27.58*	
01 22 23 00-0102	DAY	20', Self-Propelled, Electric Single Man Personnel Lift	172.39	
		For Half Day Usage, Deduct	*-53.87*	
01 22 23 00-0103	WK	20', Self-Propelled, Electric Single Man Personnel Lift	344.78	
01 22 23 00-0104	MO	20', Self-Propelled, Electric Single Man Personnel Lift	716.86	
		For >6 Months (>26 Weeks), Deduct	*-28.67*	

01 22 23 00-0105 Bucket Trucks *(01 22 23 00-0001)*

Note: Includes full-time operator, delivery, and removal.

01 22 23 00-0106	DAY	29' To 33' Bucket Truck With Full-Time Operator	1,464.30	
		For Equipment Without Operator, Deduct	*-765.36*	
		For Half Day Usage, Deduct	*-601.10*	
01 22 23 00-0107	WK	29' To 33' Bucket Truck With Full-Time Operator	5,923.61	
		For Equipment Without Operator, Deduct	*-3,826.79*	
01 22 23 00-0108	MO	29' To 33' Bucket Truck With Full-Time Operator	21,920.11	
		For Equipment Without Operator, Deduct	*-16,582.75*	
		For >6 Months (>26 Weeks), Deduct	*-213.49*	
01 22 23 00-0109	DAY	38' To 41' Bucket Truck With Full-Time Operator	1,553.26	
		For Equipment Without Operator, Deduct	*-765.36*	
		For Half Day Usage, Deduct	*-628.90*	
01 22 23 00-0110	WK	38' To 41' Bucket Truck With Full-Time Operator	6,209.54	
		For Equipment Without Operator, Deduct	*-3,826.79*	
01 22 23 00-0111	MO	38' To 41' Bucket Truck With Full-Time Operator	22,682.59	
		For Equipment Without Operator, Deduct	*-16,582.75*	
		For >6 Months (>26 Weeks), Deduct	*-243.99*	
01 22 23 00-0112	DAY	45' To 48' Bucket Truck With Full-Time Operator	1,782.00	
		For Equipment Without Operator, Deduct	*-765.36*	
		For Half Day Usage, Deduct	*-700.38*	
01 22 23 00-0113	WK	45' To 48' Bucket Truck With Full-Time Operator	6,622.55	
		For Equipment Without Operator, Deduct	*-3,826.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0114	MO	45' To 48' Bucket Truck With Full-Time Operator	23,572.15	
		For Equipment Without Operator, Deduct	*-16,582.75*	
		For >6 Months (>26 Weeks), Deduct	*-279.58*	
01 22 23 00-0115	DAY	62' Bucket Truck With Full-Time Operator	2,290.32	
		For Equipment Without Operator, Deduct	*-765.36*	
		For Half Day Usage, Deduct	*-859.23*	
01 22 23 00-0116	WK	62' Bucket Truck With Full-Time Operator	8,274.59	
		For Equipment Without Operator, Deduct	*-3,826.79*	
01 22 23 00-0117	MO	62' Bucket Truck With Full-Time Operator	28,019.95	
		For Equipment Without Operator, Deduct	*-16,582.75*	
		For >6 Months (>26 Weeks), Deduct	*-457.49*	
01 22 23 00-0118	DAY	85' Bucket Truck With Full-Time Operator	2,544.48	
		For Equipment Without Operator, Deduct	*-765.36*	
		For Half Day Usage, Deduct	*-938.66*	
01 22 23 00-0119	WK	85' Bucket Truck With Full-Time Operator	9,164.15	
		For Equipment Without Operator, Deduct	*-3,826.79*	
01 22 23 00-0120	MO	85' Bucket Truck With Full-Time Operator	31,196.95	
		For Equipment Without Operator, Deduct	*-16,582.75*	
		For >6 Months (>26 Weeks), Deduct	*-584.57*	
01 22 23 00-0121	Day	105' Bucket Truck With Full-Time Operator	2,671.56	
		For Equipment Without Operator, Deduct	*-765.36*	
		For Half Day Usage, Deduct	*-978.37*	
01 22 23 00-0122	WK	105' Bucket Truck With Full-Time Operator	9,545.39	
		For Equipment Without Operator, Deduct	*-3,826.79*	
01 22 23 00-0123	MO	105' Bucket Truck With Full-Time Operator	31,501.94	
		For Equipment Without Operator, Deduct	*-16,582.75*	
		For >6 Months (>26 Weeks), Deduct	*-596.77*	

01 22 23 00-0124 Air Equipment *(01 22 23)*

01 22 23 00-0125 Air Compressors *(01 22 23 00-0124)*

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-0126	DAY	100 CFM Diesel Powered Portable Air Compressor	171.76	
		For Half Day Usage, Deduct	*-53.68*	
01 22 23 00-0127	WK	100 CFM Diesel Powered Portable Air Compressor	515.30	
01 22 23 00-0128	MO	100 CFM Diesel Powered Portable Air Compressor	1,431.38	
		For >6 Months (>26 Weeks), Deduct	*-57.26*	
01 22 23 00-0129	DAY	130 CFM Diesel Powered Portable Air Compressor	206.12	
		For Half Day Usage, Deduct	*-64.41*	
01 22 23 00-0130	WK	130 CFM Diesel Powered Portable Air Compressor	606.90	
01 22 23 00-0131	MO	130 CFM Diesel Powered Portable Air Compressor	1,717.65	
		For >6 Months (>26 Weeks), Deduct	*-68.71*	
01 22 23 00-0132	DAY	185 CFM Diesel Powered Portable Air Compressor	274.82	
		For Half Day Usage, Deduct	*-85.88*	
01 22 23 00-0133	WK	185 CFM Diesel Powered Portable Air Compressor	618.35	
01 22 23 00-0134	MO	185 CFM Diesel Powered Portable Air Compressor	1,362.67	
		For >6 Months (>26 Weeks), Deduct	*-54.51*	
01 22 23 00-0135	DAY	375 CFM Diesel Powered Portable Air Compressor	389.33	
		For Half Day Usage, Deduct	*-121.67*	
01 22 23 00-0136	WK	375 CFM Diesel Powered Portable Air Compressor	984.79	
01 22 23 00-0137	MO	375 CFM Diesel Powered Portable Air Compressor	2,347.46	
		For >6 Months (>26 Weeks), Deduct	*-93.90*	
01 22 23 00-0138	DAY	600 CFM Diesel Powered Portable Air Compressor	865.70	
		For Half Day Usage, Deduct	*-270.53*	
01 22 23 00-0139	WK	600 CFM Diesel Powered Portable Air Compressor	2,084.08	
01 22 23 00-0140	MO	600 CFM Diesel Powered Portable Air Compressor	5,194.17	
		For >6 Months (>26 Weeks), Deduct	*-207.77*	
01 22 23 00-0141	DAY	750 CFM Diesel Powered Portable Air Compressor	1,042.04	
		For Half Day Usage, Deduct	*-325.64*	
01 22 23 00-0142	WK	750 CFM Diesel Powered Portable Air Compressor	2,565.02	
01 22 23 00-0143	MO	750 CFM Diesel Powered Portable Air Compressor	6,298.05	
		For >6 Months (>26 Weeks), Deduct	*-251.92*	
01 22 23 00-0144	DAY	825 CFM Diesel Powered Portable Air Compressor	1,042.04	
		For Half Day Usage, Deduct	*-325.64*	
01 22 23 00-0145	WK	825 CFM Diesel Powered Portable Air Compressor	2,565.02	
01 22 23 00-0146	MO	825 CFM Diesel Powered Portable Air Compressor	6,298.05	
		For >6 Months (>26 Weeks), Deduct	*-251.92*	
01 22 23 00-0147	DAY	1,300 CFM Diesel Powered Portable Air Compressor	1,213.81	
		For Half Day Usage, Deduct	*-379.32*	
01 22 23 00-0148	WK	1,300 CFM Diesel Powered Portable Air Compressor	2,720.76	
01 22 23 00-0149	MO	1,300 CFM Diesel Powered Portable Air Compressor	7,255.35	
		For >6 Months (>26 Weeks), Deduct	*-290.21*	
01 22 23 00-0150	DAY	1,600 CFM Diesel Powered Portable Air Compressor	1,511.53	
		For Half Day Usage, Deduct	*-472.35*	
01 22 23 00-0151	WK	1,600 CFM Diesel Powered Portable Air Compressor	3,400.95	
01 22 23 00-0152	MO	1,600 CFM Diesel Powered Portable Air Compressor	9,069.19	
		For >6 Months (>26 Weeks), Deduct	*-362.77*	

01 22 23 00-0153 Portable Negative Air Machines *(01 22 23 00-0124)*

Note: A Negative Air Machine is used in a sealed containment area to filter air and exhaust the filtered air through ducting to a location outside the sealed containment area. Includes delivery to job site and pick-up when complete. Excludes all filters and duct.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0154	DAY	Up To 2,000 CFM, Portable Negative Air Machine	121.26	
		For Half Day Usage, Deduct	*-37.89*	
01 22 23 00-0155	WK	Up To 2,000 CFM, Portable Negative Air Machine	498.04	
01 22 23 00-0156	MO	Up To 2,000 CFM, Portable Negative Air Machine	1,504.95	
		For >6 Months (>26 Weeks), Deduct	*-60.20*	
01 22 23 00-0157	EA	First Stage Pre-Filter For Portable Negative Air Machines	14.78	
01 22 23 00-0158	EA	Second Stage Pre-Filter For Portable Negative Air Machines	30.03	
01 22 23 00-0159	EA	High Efficiency Particulate Air (HEPA) Filter, 99.99% Efficient At 0.3 Micron For Portable Negative Air Machines	142.42	
01 22 23 00-0160	LF	Flexible Exhaust Duct For Portable Negative Air Machines	2.57	

01 22 23 00-0161 Portable Air Scrubbers *(01 22 23 00-0124)*

Note: A Portable Air Scrubber filters and recirculates the filtered air into the same space and does not use ducting to exhaust the filtered air to a different location. Includes delivery to job site and pick-up when complete. Excludes all filters.

01 22 23 00-0162	DAY	Up To 1,000 CFM, Portable Air Scrubber	66.63	
		For Half Day Usage, Deduct	*-20.82*	
01 22 23 00-0163	WK	Up To 1,000 CFM, Portable Air Scrubber	276.97	
01 22 23 00-0164	MO	Up To 1,000 CFM, Portable Air Scrubber	766.67	
		For >6 Months (>26 Weeks), Deduct	*-30.67*	
01 22 23 00-0165	DAY	>1,000 to 2,000 CFM, Portable Air Scrubber	84.29	
		For Half Day Usage, Deduct	*-26.34*	
01 22 23 00-0166	WK	>1,000 to 2,000 CFM, Portable Air Scrubber	349.22	
01 22 23 00-0167	MO	>1,000 to 2,000 CFM, Portable Air Scrubber	1,023.57	
		For >6 Months (>26 Weeks), Deduct	*-40.94*	
01 22 23 00-0168	DAY	>2,000 To 5,000 CFM, Portable Air Scrubber	108.38	
		For Half Day Usage, Deduct	*-33.87*	
01 22 23 00-0169	WK	>2,000 To 5,000 CFM, Portable Air Scrubber	461.61	
01 22 23 00-0170	MO	>2,000 To 5,000 CFM, Portable Air Scrubber	1,292.51	
		For >6 Months (>26 Weeks), Deduct	*-51.70*	
01 22 23 00-0171	EA	First Stage Pre-Filter For Portable Air Scrubbers	19.59	
01 22 23 00-0172	EA	Second Stage Pre-Filter For Portable Air Scrubbers	26.02	
01 22 23 00-0173	EA	High Efficiency Particulate Air (HEPA) Filter, 99.99% Efficient At 0.3 Micron For Portable Air Scrubbers	238.76	

01 22 23 00-0174 Compaction And Paving Equipment *(01 22 23)*

01 22 23 00-0175 Pavers And Rollers *(01 22 23 00-0174)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0176 Pavers *(01 22 23 00-0175)*

01 22 23 00-0177	DAY	10' Wide Paving Machine With Full-Time Operator	3,937.86	
		For Equipment Without Operator, Deduct	*-989.67*	
		For Half Day Usage, Deduct	*-1,416.14*	
01 22 23 00-0178	WK	10' Wide Paving Machine With Full-Time Operator	16,741.15	
		For Equipment Without Operator, Deduct	*-4,948.37*	
01 22 23 00-0179	MO	10' Wide Paving Machine With Full-Time Operator	63,560.72	
		For Equipment Without Operator, Deduct	*-21,442.93*	
		For >6 Months (>26 Weeks), Deduct	*-1,684.71*	

01 22 23 00-0180 Ride-On Self-Propelled, Rubber Tire Rollers *(01 22 23 00-0175)*

01 22 23 00-0181	DAY	10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	1,323.43	
		For Equipment Without Operator, Deduct	*-989.67*	
		For Half Day Usage, Deduct	*-599.14*	
01 22 23 00-0182	WK	10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	5,957.86	
		For Equipment Without Operator, Deduct	*-4,948.37*	
01 22 23 00-0183	MO	10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	24,183.30	
		For Equipment Without Operator, Deduct	*-21,442.93*	
		For >6 Months (>26 Weeks), Deduct	*-109.61*	
01 22 23 00-0184	DAY	15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	1,452.25	
		For Equipment Without Operator, Deduct	*-989.67*	
		For Half Day Usage, Deduct	*-639.39*	
01 22 23 00-0185	WK	15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	6,915.82	
		For Equipment Without Operator, Deduct	*-4,948.37*	
01 22 23 00-0186	MO	15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	25,629.61	
		For Equipment Without Operator, Deduct	*-21,442.93*	
		For >6 Months (>26 Weeks), Deduct	*-167.47*	
01 22 23 00-0187	DAY	30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator	1,458.11	
		For Equipment Without Operator, Deduct	*-989.67*	
		For Half Day Usage, Deduct	*-641.22*	
01 22 23 00-0188	WK	30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator	6,535.21	
		For Equipment Without Operator, Deduct	*-4,948.37*	
01 22 23 00-0189	MO	30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator	25,910.68	
		For Equipment Without Operator, Deduct	*-21,442.93*	
		For >6 Months (>26 Weeks), Deduct	*-178.71*	

01 22 23 00-0190 Ride-On Self-Propelled, Padfoot Rollers *(01 22 23 00-0175)*

01 22 23 00-0191	DAY	5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,376.13	
		For Equipment Without Operator, Deduct	*-989.67*	
		For Half Day Usage, Deduct	*-615.60*	
01 22 23 00-0192	WK	5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	6,019.93	
		For Equipment Without Operator, Deduct	*-4,948.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0193	MO	5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	24,540.49	
		For Equipment Without Operator, Deduct	*-21,442.93*	
		For >6 Months (>26 Weeks), Deduct	*-123.90*	
01 22 23 00-0194	DAY	8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,622.06	
		For Equipment Without Operator, Deduct	*-989.67*	
		For Half Day Usage, Deduct	*-692.46*	
01 22 23 00-0195	WK	8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	6,517.64	
		For Equipment Without Operator, Deduct	*-4,948.37*	
01 22 23 00-0196	MO	8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	26,109.76	
		For Equipment Without Operator, Deduct	*-21,442.93*	
		For >6 Months (>26 Weeks), Deduct	*-186.67*	
01 22 23 00-0197	DAY	10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,680.62	
		For Equipment Without Operator, Deduct	*-989.67*	
		For Half Day Usage, Deduct	*-710.76*	
01 22 23 00-0198	WK	10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	6,886.54	
		For Equipment Without Operator, Deduct	*-4,948.37*	
01 22 23 00-0199	MO	10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	27,140.33	
		For Equipment Without Operator, Deduct	*-21,442.93*	
		For >6 Months (>26 Weeks), Deduct	*-227.90*	

01 22 23 00-0200 Towed, Padfoot Rollers *(01 22 23 00-0175)*

01 22 23 00-0201	DAY	48" Wide, 40" Diameter, Towed Padfoot Roller	111.25	
		For Half Day Usage, Deduct	*-34.77*	
01 22 23 00-0202	WK	48" Wide, 40" Diameter, Towed Padfoot Roller	322.05	
01 22 23 00-0203	MO	48" Wide, 40" Diameter, Towed Padfoot Roller	948.59	
		For >6 Months (>26 Weeks), Deduct	*-37.94*	
01 22 23 00-0204	DAY	60" Wide, 60" Diameter, Towed Padfoot Roller	140.53	
		For Half Day Usage, Deduct	*-43.92*	
01 22 23 00-0205	WK	60" Wide, 60" Diameter, Towed Padfoot Roller	392.32	
01 22 23 00-0206	MO	60" Wide, 60" Diameter, Towed Padfoot Roller	1,668.82	
		For >6 Months (>26 Weeks), Deduct	*-66.75*	

01 22 23 00-0207 Static Rollers *(01 22 23 00-0175)*

01 22 23 00-0208	DAY	5 Ton, 2 Drum Articulated Roller With Full-Time Operator	1,405.41	
		For Equipment Without Operator, Deduct	*-989.67*	
		For Half Day Usage, Deduct	*-624.75*	
01 22 23 00-0209	WK	5 Ton, 2 Drum Articulated Roller With Full-Time Operator	6,271.71	
		For Equipment Without Operator, Deduct	*-4,948.37*	
01 22 23 00-0210	MO	5 Ton, 2 Drum Articulated Roller With Full-Time Operator	25,366.11	
		For Equipment Without Operator, Deduct	*-21,442.93*	
		For >6 Months (>26 Weeks), Deduct	*-156.93*	
01 22 23 00-0211	DAY	8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator	1,534.23	
		For Equipment Without Operator, Deduct	*-989.67*	
		For Half Day Usage, Deduct	*-665.01*	
01 22 23 00-0212	WK	8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator	6,623.04	
		For Equipment Without Operator, Deduct	*-4,948.37*	
01 22 23 00-0213	MO	8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator	26,338.13	
		For Equipment Without Operator, Deduct	*-21,442.93*	
		For >6 Months (>26 Weeks), Deduct	*-195.81*	

01 22 23 00-0214 Ride-On Self-Propelled, Smooth Drum Vibratory Rollers *(01 22 23 00-0175)*

01 22 23 00-0215	DAY	1 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,218.03	
		For Equipment Without Operator, Deduct	*-989.67*	
		For Half Day Usage, Deduct	*-566.20*	
01 22 23 00-0216	WK	1 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	5,615.90	
		For Equipment Without Operator, Deduct	*-4,948.37*	
01 22 23 00-0217	MO	1 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	23,199.58	
		For Equipment Without Operator, Deduct	*-21,442.93*	
		For >6 Months (>26 Weeks), Deduct	*-70.27*	
01 22 23 00-0218	DAY	3 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,305.87	
		For Equipment Without Operator, Deduct	*-989.67*	
		For Half Day Usage, Deduct	*-593.65*	
01 22 23 00-0219	WK	3 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	5,879.39	
		For Equipment Without Operator, Deduct	*-4,948.37*	
01 22 23 00-0220	MO	3 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	23,902.24	
		For Equipment Without Operator, Deduct	*-21,442.93*	
		For >6 Months (>26 Weeks), Deduct	*-98.37*	
01 22 23 00-0221	DAY	5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,364.42	
		For Equipment Without Operator, Deduct	*-989.67*	
		For Half Day Usage, Deduct	*-611.94*	
01 22 23 00-0222	WK	5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	6,055.06	
		For Equipment Without Operator, Deduct	*-4,948.37*	
01 22 23 00-0223	MO	5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	24,370.68	
		For Equipment Without Operator, Deduct	*-21,442.93*	
		For >6 Months (>26 Weeks), Deduct	*-117.11*	
01 22 23 00-0224	DAY	8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,440.54	
		For Equipment Without Operator, Deduct	*-989.67*	
		For Half Day Usage, Deduct	*-635.73*	
01 22 23 00-0225	WK	8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	6,277.57	
		For Equipment Without Operator, Deduct	*-4,948.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0226	MO	8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	24,950.37	
		For Equipment Without Operator, Deduct	*-21,442.93*	
		For >6 Months (>26 Weeks), Deduct	*-140.30*	
01 22 23 00-0227	DAY	11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,592.79	
		For Equipment Without Operator, Deduct	*-989.67*	
		For Half Day Usage, Deduct	*-683.31*	
01 22 23 00-0228	WK	11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	6,722.59	
		For Equipment Without Operator, Deduct	*-4,948.37*	
01 22 23 00-0229	MO	11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	26,127.33	
		For Equipment Without Operator, Deduct	*-21,442.93*	
		For >6 Months (>26 Weeks), Deduct	*-187.38*	

01 22 23 00-0230 Steel Roadway Plates *(01 22 23 00-0174)*

Note: 3 day minimum. Excludes delivery to job site and pick-up when complete. See CSI section 01 22 23 00-0231 for for placement (set-up) from truck and removal from ground (load on truck), 01 71 13 00-0001 for material delivery on truck.

01 22 23 00-0231	EA	Placement And Removal Of Steel Roadway Plates	60.70	
01 22 23 00-0232	DAY	1" x 4' x 8' Steel Plate	44.88	
01 22 23 00-0233	WK	1" x 4' x 8' Steel Plate	105.98	
01 22 23 00-0234	MO	1" x 4' x 8' Steel Plate	139.47	
		For >6 Months (>26 Weeks), Deduct	*-5.58*	
01 22 23 00-0235	DAY	1" x 4' x 10' Steel Plate	59.85	
01 22 23 00-0236	WK	1" x 4' x 10' Steel Plate	134.65	
01 22 23 00-0237	MO	1" x 4' x 10' Steel Plate	164.58	
		For >6 Months (>26 Weeks), Deduct	*-6.58*	
01 22 23 00-0238	DAY	1" x 5' x 10' Steel Plate	62.34	
01 22 23 00-0239	WK	1" x 5' x 10' Steel Plate	140.89	
01 22 23 00-0240	MO	1" x 5' x 10' Steel Plate	374.04	
		For >6 Months (>26 Weeks), Deduct	*-14.96*	
01 22 23 00-0241	DAY	1" x 6' x 8' Steel Plate	39.90	
01 22 23 00-0242	WK	1" x 6' x 8' Steel Plate	89.77	
01 22 23 00-0243	MO	1" x 6' x 8' Steel Plate	239.39	
		For >6 Months (>26 Weeks), Deduct	*-9.58*	
01 22 23 00-0244	DAY	1" x 6' x 10' Steel Plate	74.81	
01 22 23 00-0245	WK	1" x 6' x 10' Steel Plate	98.50	
01 22 23 00-0246	MO	1" x 6' x 10' Steel Plate	263.07	
		For >6 Months (>26 Weeks), Deduct	*-10.52*	
01 22 23 00-0247	DAY	1" x 6' x 12' Steel Plate	104.73	
01 22 23 00-0248	WK	1" x 6' x 12' Steel Plate	134.03	
01 22 23 00-0249	MO	1" x 6' x 12' Steel Plate	362.82	
		For >6 Months (>26 Weeks), Deduct	*-14.51*	
01 22 23 00-0250	DAY	1" x 8' x 10' Steel Plate	66.08	
01 22 23 00-0251	WK	1" x 8' x 10' Steel Plate	148.37	
01 22 23 00-0252	MO	1" x 8' x 10' Steel Plate	395.24	
		For >6 Months (>26 Weeks), Deduct	*-15.81*	
01 22 23 00-0253	DAY	1" x 8' x 12' Steel Plate	119.69	
01 22 23 00-0254	WK	1" x 8' x 12' Steel Plate	148.37	
01 22 23 00-0255	MO	1" x 8' x 12' Steel Plate	718.16	
		For >6 Months (>26 Weeks), Deduct	*-28.73*	
01 22 23 00-0256	DAY	1" x 8' x 16' Steel Plate	159.59	
01 22 23 00-0257	WK	1" x 8' x 16' Steel Plate	359.08	
01 22 23 00-0258	MO	1" x 8' x 16' Steel Plate	957.54	
		For >6 Months (>26 Weeks), Deduct	*-38.30*	
01 22 23 00-0259	DAY	1-1/4" x 8' x 10' Steel Plate	79.30	
01 22 23 00-0260	WK	1-1/4" x 8' x 10' Steel Plate	178.04	
01 22 23 00-0261	MO	1-1/4" x 8' x 10' Steel Plate	474.28	
		For >6 Months (>26 Weeks), Deduct	*-18.97*	
01 22 23 00-0262	DAY	1-1/2" x 8' x 15' Steel Plate	183.53	
01 22 23 00-0263	WK	1-1/2" x 8' x 15' Steel Plate	412.94	
01 22 23 00-0264	MO	1-1/2" x 8' x 15' Steel Plate	1,101.17	
		For >6 Months (>26 Weeks), Deduct	*-44.05*	
01 22 23 00-0265	LF	Cold Mix For Temporary Ramp Base, 6" At Edge Of Trench Plate	2.72	1.21
01 22 23 00-0266	EA	Removal And Resetting Of Steel Roadway Plate	33.72	

01 22 23 00-0267 Street Sweepers *(01 22 23 00-0174)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0268	DAY	8' Road Broom, Self Propelled Street Sweeper With Full-Time Operator	1,177.38	
		For Equipment Without Operator, Deduct	*-985.82*	
		For Half Day Usage, Deduct	*-552.77*	
01 22 23 00-0269	WK	8' Road Broom, Self Propelled Street Sweeper With Full-Time Operator	5,688.19	
		For Equipment Without Operator, Deduct	*-4,929.12*	
01 22 23 00-0270	MO	8' Road Broom, Self Propelled Street Sweeper With Full-Time Operator	24,063.92	
		For Equipment Without Operator, Deduct	*-21,359.52*	
		For >6 Months (>26 Weeks), Deduct	*-108.18*	
01 22 23 00-0271	DAY	Self-Propelled Street Sweeper With Hopper And Full-Time Operator Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.	2,369.80	
		For Equipment Without Operator, Deduct	*-985.82*	
		For Half Day Usage, Deduct	*-925.40*	
01 22 23 00-0272	WK	Self-Propelled Street Sweeper With Hopper And Full-Time Operator Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.	10,472.68	
		For Equipment Without Operator, Deduct	*-4,929.12*	

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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0273	MO	Self-Propelled Street Sweeper With Hopper And Full-Time Operator Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.	41,143.13	
		For Equipment Without Operator, Deduct	*-21,359.52*	
		For >6 Months (>26 Weeks), Deduct	*-791.34*	

01 22 23 00-0274 Earthmoving Equipment *(01 22 23)*

01 22 23 00-0275 Skid-Steer Loaders *(01 22 23 00-0274)*

Note: Includes full-time operator and combination bucket and dozer blade attachments. Add extra attachments where necessary. Excludes delivery, set-up, and removal.

01 22 23 00-0276	DAY	700 Lb. Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator	1,435.14	
		For Equipment Without Operator, Deduct	*-985.82*	
		For Half Day Usage, Deduct	*-633.32*	
01 22 23 00-0277	WK	700 Lb. Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator	6,107.88	
		For Equipment Without Operator, Deduct	*-4,929.12*	
01 22 23 00-0278	MO	700 Lb. Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator	24,198.32	
		For Equipment Without Operator, Deduct	*-21,359.52*	
		For >6 Months (>26 Weeks), Deduct	*-113.55*	
01 22 23 00-0279	DAY	1,500 To 1,700 Lb. Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator	1,553.58	
		For Equipment Without Operator, Deduct	*-985.82*	
		For Half Day Usage, Deduct	*-670.34*	
01 22 23 00-0280	WK	1,500 To 1,700 Lb. Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator	6,322.20	
		For Equipment Without Operator, Deduct	*-4,929.12*	
01 22 23 00-0281	MO	1,500 To 1,700 Lb. Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator	24,668.32	
		For Equipment Without Operator, Deduct	*-21,359.52*	
		For >6 Months (>26 Weeks), Deduct	*-132.35*	
01 22 23 00-0282	DAY	2,000 To 2,400 Lb. Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator	1,587.42	
		For Equipment Without Operator, Deduct	*-985.82*	
		For Half Day Usage, Deduct	*-680.91*	
01 22 23 00-0283	WK	2,000 To 2,400 Lb. Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator	6,630.52	
		For Equipment Without Operator, Deduct	*-4,929.12*	
01 22 23 00-0284	MO	2,000 To 2,400 Lb. Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator	25,486.12	
		For Equipment Without Operator, Deduct	*-21,359.52*	
		For >6 Months (>26 Weeks), Deduct	*-165.06*	
01 22 23 00-0285	DAY	2,500 To 2,700 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	1,719.02	
		For Equipment Without Operator, Deduct	*-985.82*	
		For Half Day Usage, Deduct	*-722.04*	
01 22 23 00-0286	WK	2,500 To 2,700 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	7,062.92	
		For Equipment Without Operator, Deduct	*-4,929.12*	
01 22 23 00-0287	MO	2,500 To 2,700 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	26,914.92	
		For Equipment Without Operator, Deduct	*-21,359.52*	
		For >6 Months (>26 Weeks), Deduct	*-222.22*	
01 22 23 00-0288	DAY	3,200 To 3,500 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	1,944.62	
		For Equipment Without Operator, Deduct	*-985.82*	
		For Half Day Usage, Deduct	*-792.54*	
01 22 23 00-0289	WK	3,200 To 3,500 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	7,918.32	
		For Equipment Without Operator, Deduct	*-4,929.12*	
01 22 23 00-0290	MO	3,200 To 3,500 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	29,020.52	
		For Equipment Without Operator, Deduct	*-21,359.52*	
		For >6 Months (>26 Weeks), Deduct	*-306.44*	
01 22 23 00-0291	DAY	Hydraulic Hammer Attachment For Skid-Steer Loaders	376.00	
		For Half Day Usage, Deduct	*-117.50*	
01 22 23 00-0292	WK	Hydraulic Hammer Attachment For Skid-Steer Loaders	1,250.20	
01 22 23 00-0293	MO	Hydraulic Hammer Attachment For Skid-Steer Loaders	3,327.60	
		For >6 Months (>26 Weeks), Deduct	*-133.10*	
01 22 23 00-0294	DAY	Forklift Attachment For Skid-Steer Loaders	80.84	
		For Half Day Usage, Deduct	*-25.26*	
01 22 23 00-0295	WK	Forklift Attachment For Skid-Steer Loaders	216.20	
01 22 23 00-0296	MO	Forklift Attachment For Skid-Steer Loaders	611.00	
		For >6 Months (>26 Weeks), Deduct	*-24.44*	
01 22 23 00-0297	DAY	Backhoe Attachment For Skid-Steer Loaders	178.60	
		For Half Day Usage, Deduct	*-55.81*	
01 22 23 00-0298	WK	Backhoe Attachment For Skid-Steer Loaders	428.64	
01 22 23 00-0299	MO	Backhoe Attachment For Skid-Steer Loaders	1,065.96	
		For >6 Months (>26 Weeks), Deduct	*-42.64*	
01 22 23 00-0300	DAY	Broom Attachment For Skid-Steer Loaders	176.72	
		For Half Day Usage, Deduct	*-55.23*	
01 22 23 00-0301	WK	Broom Attachment For Skid-Steer Loaders	479.40	
01 22 23 00-0302	MO	Broom Attachment For Skid-Steer Loaders	1,269.00	
		For >6 Months (>26 Weeks), Deduct	*-50.76*	
01 22 23 00-0303	DAY	Concrete Pump Attachment For Skid-Steer Loaders	376.00	
		For Half Day Usage, Deduct	*-117.50*	
01 22 23 00-0304	WK	Concrete Pump Attachment For Skid-Steer Loaders	1,250.20	
01 22 23 00-0305	MO	Concrete Pump Attachment For Skid-Steer Loaders	3,327.60	
		For >6 Months (>26 Weeks), Deduct	*-133.10*	
01 22 23 00-0306	DAY	Auger Attachment (Excludes Bits And Extensions) For Skid-Steer Loaders	154.16	
		For Half Day Usage, Deduct	*-48.18*	
01 22 23 00-0307	WK	Auger Attachment (Excludes Bits And Extensions) For Skid-Steer Loaders	424.88	
01 22 23 00-0308	MO	Auger Attachment (Excludes Bits And Extensions) For Skid-Steer Loaders	1,159.96	
		For >6 Months (>26 Weeks), Deduct	*-46.40*	
01 22 23 00-0309	DAY	Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	42.49	
		For Half Day Usage, Deduct	*-13.28*	
01 22 23 00-0310	WK	Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	111.16	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0311	MO	Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	326.95	
		For >6 Months (>26 Weeks), Deduct	*-13.08*	
01 22 23 00-0312	DAY	>18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	57.21	
		For Half Day Usage, Deduct	*-17.88*	
01 22 23 00-0313	WK	>18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	142.22	
01 22 23 00-0314	MO	>18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	425.05	
		For >6 Months (>26 Weeks), Deduct	*-17.00*	
01 22 23 00-0315	DAY	Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	83.36	
		For Half Day Usage, Deduct	*-26.05*	
01 22 23 00-0316	WK	Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	253.41	
01 22 23 00-0317	MO	Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	752.00	
		For >6 Months (>26 Weeks), Deduct	*-30.08*	
01 22 23 00-0318	DAY	2' Length, Auger Bit Extension For Skid-Steer Mounted Augers (Excludes Auger)	16.92	
		For Half Day Usage, Deduct	*-5.29*	
01 22 23 00-0319	WK	2' Length, Auger Bit Extension For Skid-Steer Mounted Augers (Excludes Auger)	39.48	
01 22 23 00-0320	MO	2' Length, Auger Bit Extension For Skid-Steer Mounted Augers (Excludes Auger)	105.28	
		For >6 Months (>26 Weeks), Deduct	*-4.21*	

01 22 23 00-0321 Bulldozers *(01 22 23 00-0274)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0322	DAY	70 HP, D3 Bulldozer With Full-Time Operator	1,438.45	
		For Equipment Without Operator, Deduct	*-989.67*	
		For Half Day Usage, Deduct	*-635.08*	
01 22 23 00-0323	WK	70 HP, D3 Bulldozer With Full-Time Operator	6,718.08	
		For Equipment Without Operator, Deduct	*-4,948.37*	
01 22 23 00-0324	MO	70 HP, D3 Bulldozer With Full-Time Operator	26,692.78	
		For Equipment Without Operator, Deduct	*-21,442.93*	
		For >6 Months (>26 Weeks), Deduct	*-209.99*	
01 22 23 00-0325	DAY	90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator	1,650.13	
		For Equipment Without Operator, Deduct	*-989.67*	
		For Half Day Usage, Deduct	*-701.23*	
01 22 23 00-0326	WK	90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator	7,573.29	
		For Equipment Without Operator, Deduct	*-4,948.37*	
01 22 23 00-0327	MO	90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator	29,317.71	
		For Equipment Without Operator, Deduct	*-21,442.93*	
		For >6 Months (>26 Weeks), Deduct	*-314.99*	
01 22 23 00-0328	DAY	140 HP, D6 Bulldozer With Full-Time Operator	2,251.33	
		For Equipment Without Operator, Deduct	*-989.67*	
		For Half Day Usage, Deduct	*-889.10*	
01 22 23 00-0329	WK	140 HP, D6 Bulldozer With Full-Time Operator	9,978.07	
		For Equipment Without Operator, Deduct	*-4,948.37*	
01 22 23 00-0330	MO	140 HP, D6 Bulldozer With Full-Time Operator	36,515.08	
		For Equipment Without Operator, Deduct	*-21,442.93*	
		For >6 Months (>26 Weeks), Deduct	*-602.89*	
01 22 23 00-0331	DAY	200 HP, D7 Bulldozer With Full-Time Operator	2,784.78	
		For Equipment Without Operator, Deduct	*-989.67*	
		For Half Day Usage, Deduct	*-1,055.81*	
01 22 23 00-0332	WK	200 HP, D7 Bulldozer With Full-Time Operator	12,120.34	
		For Equipment Without Operator, Deduct	*-4,948.37*	
01 22 23 00-0333	MO	200 HP, D7 Bulldozer With Full-Time Operator	42,950.38	
		For Equipment Without Operator, Deduct	*-21,442.93*	
		For >6 Months (>26 Weeks), Deduct	*-860.30*	
01 22 23 00-0334	DAY	335 HP, D8 Bulldozer With Full-Time Operator	3,419.84	
		For Equipment Without Operator, Deduct	*-989.67*	
		For Half Day Usage, Deduct	*-1,254.26*	
01 22 23 00-0335	WK	335 HP, D8 Bulldozer With Full-Time Operator	14,660.59	
		For Equipment Without Operator, Deduct	*-4,948.37*	
01 22 23 00-0336	MO	335 HP, D8 Bulldozer With Full-Time Operator	50,571.13	
		For Equipment Without Operator, Deduct	*-21,442.93*	
		For >6 Months (>26 Weeks), Deduct	*-1,165.13*	
01 22 23 00-0337	DAY	460 HP, D9 Bulldozer With Full-Time Operator	3,775.48	
		For Equipment Without Operator, Deduct	*-989.67*	
		For Half Day Usage, Deduct	*-1,365.40*	
01 22 23 00-0338	WK	460 HP, D9 Bulldozer With Full-Time Operator	16,074.67	
		For Equipment Without Operator, Deduct	*-4,948.37*	
01 22 23 00-0339	MO	460 HP, D9 Bulldozer With Full-Time Operator	54,804.88	
		For Equipment Without Operator, Deduct	*-21,442.93*	
		For >6 Months (>26 Weeks), Deduct	*-1,334.48*	

01 22 23 00-0340 Motor Scraper *(01 22 23 00-0274)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0341	DAY	11 CY Motor Scraper-Hauler With Full-Time Operator	2,332.14	
		For Equipment Without Operator, Deduct	*-989.67*	
		For Half Day Usage, Deduct	*-914.36*	
01 22 23 00-0342	WK	11 CY Motor Scraper-Hauler With Full-Time Operator	10,318.25	
		For Equipment Without Operator, Deduct	*-4,948.37*	
01 22 23 00-0343	MO	11 CY Motor Scraper-Hauler With Full-Time Operator	37,534.18	
		For Equipment Without Operator, Deduct	*-21,442.93*	
		For >6 Months (>26 Weeks), Deduct	*-643.65*	
01 22 23 00-0344	DAY	18 CY Motor Scraper-Hauler With Full-Time Operator	2,874.65	
		For Equipment Without Operator, Deduct	*-989.67*	
		For Half Day Usage, Deduct	*-1,083.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0345	WK	18 CY Motor Scraper-Hauler With Full-Time Operator	12,488.27	
		For Equipment Without Operator, Deduct	*-4,948.37*	
01 22 23 00-0346	MO	18 CY Motor Scraper-Hauler With Full-Time Operator	44,062.63	
		For Equipment Without Operator, Deduct	*-21,442.93*	
		For >6 Months (>26 Weeks), Deduct	*-904.79*	
01 22 23 00-0347	DAY	24 CY Motor Scraper-Hauler With Full-Time Operator	3,398.76	
		For Equipment Without Operator, Deduct	*-989.67*	
		For Half Day Usage, Deduct	*-1,247.68*	
01 22 23 00-0348	WK	24 CY Motor Scraper-Hauler With Full-Time Operator	14,575.53	
		For Equipment Without Operator, Deduct	*-4,948.37*	
01 22 23 00-0349	MO	24 CY Motor Scraper-Hauler With Full-Time Operator	50,315.23	
		For Equipment Without Operator, Deduct	*-21,442.93*	
		For >6 Months (>26 Weeks), Deduct	*-1,154.89*	

01 22 23 00-0350 Hydraulic Excavators *(01 22 23 00-0274)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0351	DAY	3/8 CY Hydraulic Excavator With Full-Time Operator	1,353.49	
		For Equipment Without Operator, Deduct	*-989.67*	
		For Half Day Usage, Deduct	*-608.53*	
01 22 23 00-0352	WK	3/8 CY Hydraulic Excavator With Full-Time Operator	6,235.23	
		For Equipment Without Operator, Deduct	*-4,948.37*	
01 22 23 00-0353	MO	3/8 CY Hydraulic Excavator With Full-Time Operator	25,754.93	
		For Equipment Without Operator, Deduct	*-21,442.93*	
		For >6 Months (>26 Weeks), Deduct	*-172.48*	
01 22 23 00-0354	DAY	1/2 CY Hydraulic Excavator With Full-Time Operator	1,455.91	
		For Equipment Without Operator, Deduct	*-989.67*	
		For Half Day Usage, Deduct	*-640.54*	
01 22 23 00-0355	WK	1/2 CY Hydraulic Excavator With Full-Time Operator	6,686.65	
		For Equipment Without Operator, Deduct	*-4,948.37*	
01 22 23 00-0356	MO	1/2 CY Hydraulic Excavator With Full-Time Operator	27,560.58	
		For Equipment Without Operator, Deduct	*-21,442.93*	
		For >6 Months (>26 Weeks), Deduct	*-244.71*	
01 22 23 00-0357	DAY	5/8 CY Hydraulic Excavator With Full-Time Operator	1,488.25	
		For Equipment Without Operator, Deduct	*-989.67*	
		For Half Day Usage, Deduct	*-650.64*	
01 22 23 00-0358	WK	5/8 CY Hydraulic Excavator With Full-Time Operator	6,855.08	
		For Equipment Without Operator, Deduct	*-4,948.37*	
01 22 23 00-0359	MO	5/8 CY Hydraulic Excavator With Full-Time Operator	27,857.03	
		For Equipment Without Operator, Deduct	*-21,442.93*	
		For >6 Months (>26 Weeks), Deduct	*-256.56*	
01 22 23 00-0360	DAY	3/4 CY Hydraulic Excavator With Full-Time Operator	1,521.93	
		For Equipment Without Operator, Deduct	*-989.67*	
		For Half Day Usage, Deduct	*-661.17*	
01 22 23 00-0361	WK	3/4 CY Hydraulic Excavator With Full-Time Operator	7,010.05	
		For Equipment Without Operator, Deduct	*-4,948.37*	
01 22 23 00-0362	MO	3/4 CY Hydraulic Excavator With Full-Time Operator	28,153.48	
		For Equipment Without Operator, Deduct	*-21,442.93*	
		For >6 Months (>26 Weeks), Deduct	*-268.42*	
01 22 23 00-0363	DAY	7/8 To 1 CY Hydraulic Excavator With Full-Time Operator	1,548.88	
		For Equipment Without Operator, Deduct	*-989.67*	
		For Half Day Usage, Deduct	*-669.59*	
01 22 23 00-0364	WK	7/8 To 1 CY Hydraulic Excavator With Full-Time Operator	7,171.75	
		For Equipment Without Operator, Deduct	*-4,948.37*	
01 22 23 00-0365	MO	7/8 To 1 CY Hydraulic Excavator With Full-Time Operator	28,449.93	
		For Equipment Without Operator, Deduct	*-21,442.93*	
		For >6 Months (>26 Weeks), Deduct	*-280.28*	
01 22 23 00-0366	DAY	1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator	1,912.71	
		For Equipment Without Operator, Deduct	*-989.67*	
		For Half Day Usage, Deduct	*-783.29*	
01 22 23 00-0367	WK	1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator	8,620.31	
		For Equipment Without Operator, Deduct	*-4,948.37*	
01 22 23 00-0368	MO	1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator	32,458.74	
		For Equipment Without Operator, Deduct	*-21,442.93*	
		For >6 Months (>26 Weeks), Deduct	*-440.63*	
01 22 23 00-0369	DAY	1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator	1,966.61	
		For Equipment Without Operator, Deduct	*-989.67*	
		For Half Day Usage, Deduct	*-800.13*	
01 22 23 00-0370	WK	1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator	8,856.12	
		For Equipment Without Operator, Deduct	*-4,948.37*	
01 22 23 00-0371	MO	1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator	33,166.18	
		For Equipment Without Operator, Deduct	*-21,442.93*	
		For >6 Months (>26 Weeks), Deduct	*-468.93*	
01 22 23 00-0372	DAY	1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator	2,067.67	
		For Equipment Without Operator, Deduct	*-989.67*	
		For Half Day Usage, Deduct	*-831.71*	
01 22 23 00-0373	WK	1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator	9,260.37	
		For Equipment Without Operator, Deduct	*-4,948.37*	
01 22 23 00-0374	MO	1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator	34,378.93	
		For Equipment Without Operator, Deduct	*-21,442.93*	
		For >6 Months (>26 Weeks), Deduct	*-517.44*	
01 22 23 00-0375	DAY	2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator	2,182.21	
		For Equipment Without Operator, Deduct	*-989.67*	
		For Half Day Usage, Deduct	*-867.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0376	WK	2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator	9,711.78	
		For Equipment Without Operator, Deduct	*-4,948.37*	
01 22 23 00-0377	MO	2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator	35,726.43	
		For Equipment Without Operator, Deduct	*-21,442.93*	
		For >6 Months (>26 Weeks), Deduct	*-571.34*	
01 22 23 00-0378	DAY	2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator	2,215.89	
		For Equipment Without Operator, Deduct	*-989.67*	
		For Half Day Usage, Deduct	*-878.03*	
01 22 23 00-0379	WK	2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator	9,846.53	
		For Equipment Without Operator, Deduct	*-4,948.37*	
01 22 23 00-0380	MO	2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator	36,130.68	
		For Equipment Without Operator, Deduct	*-21,442.93*	
		For >6 Months (>26 Weeks), Deduct	*-587.51*	
01 22 23 00-0381	DAY	3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator	2,539.29	
		For Equipment Without Operator, Deduct	*-989.67*	
		For Half Day Usage, Deduct	*-979.09*	
01 22 23 00-0382	WK	3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator	11,146.87	
		For Equipment Without Operator, Deduct	*-4,948.37*	
01 22 23 00-0383	MO	3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator	40,038.43	
		For Equipment Without Operator, Deduct	*-21,442.93*	
		For >6 Months (>26 Weeks), Deduct	*-743.82*	
01 22 23 00-0384	DAY	4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator	3,004.18	
		For Equipment Without Operator, Deduct	*-989.67*	
		For Half Day Usage, Deduct	*-1,124.37*	
01 22 23 00-0385	WK	4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator	12,992.95	
		For Equipment Without Operator, Deduct	*-4,948.37*	
01 22 23 00-0386	MO	4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator	45,563.18	
		For Equipment Without Operator, Deduct	*-21,442.93*	
		For >6 Months (>26 Weeks), Deduct	*-964.81*	
01 22 23 00-0387	DAY	6 To 11 CY Hydraulic Excavator With Full-Time Operator	3,576.87	
		For Equipment Without Operator, Deduct	*-989.67*	
		For Half Day Usage, Deduct	*-1,303.34*	
01 22 23 00-0388	WK	6 To 11 CY Hydraulic Excavator With Full-Time Operator	15,283.69	
		For Equipment Without Operator, Deduct	*-4,948.37*	
01 22 23 00-0389	MO	6 To 11 CY Hydraulic Excavator With Full-Time Operator	52,435.43	
		For Equipment Without Operator, Deduct	*-21,442.93*	
		For >6 Months (>26 Weeks), Deduct	*-1,239.70*	
01 22 23 00-0390	DAY	Up To 50' Depth, 50,000 Lb. Operating Weight, Long-Arm Hydraulic Excavator With Full-Time Operator	2,094.62	
		For Equipment Without Operator, Deduct	*-989.67*	
		For Half Day Usage, Deduct	*-840.13*	
01 22 23 00-0391	WK	Up To 50' Depth, 50,000 Lb. Operating Weight, Long-Arm Hydraulic Excavator With Full-Time Operator	9,354.69	
		For Equipment Without Operator, Deduct	*-4,948.37*	
01 22 23 00-0392	MO	Up To 50' Depth, 50,000 Lb. Operating Weight, Long-Arm Hydraulic Excavator With Full-Time Operator	34,648.43	
		For Equipment Without Operator, Deduct	*-21,442.93*	
		For >6 Months (>26 Weeks), Deduct	*-528.22*	
01 22 23 00-0393	DAY	Thumbs Or Grapple Attachment For Hydraulic Excavators	94.32	
		For Half Day Usage, Deduct	*-29.48*	
01 22 23 00-0394	WK	Thumbs Or Grapple Attachment For Hydraulic Excavators	363.82	
01 22 23 00-0395	MO	Thumbs Or Grapple Attachment For Hydraulic Excavators	1,078.00	
		For >6 Months (>26 Weeks), Deduct	*-43.12*	
01 22 23 00-0396	DAY	1,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	417.72	
		For Half Day Usage, Deduct	*-130.54*	
01 22 23 00-0397	WK	1,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	1,104.95	
01 22 23 00-0398	MO	1,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	3,092.51	
		For >6 Months (>26 Weeks), Deduct	*-123.70*	
01 22 23 00-0399	DAY	1,500 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	646.80	
		For Half Day Usage, Deduct	*-202.13*	
01 22 23 00-0400	WK	1,500 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	1,650.69	
01 22 23 00-0401	MO	1,500 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	4,291.79	
		For >6 Months (>26 Weeks), Deduct	*-171.67*	
01 22 23 00-0402	DAY	3,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	902.82	
		For Half Day Usage, Deduct	*-282.13*	
01 22 23 00-0403	WK	3,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	2,432.24	
01 22 23 00-0404	MO	3,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	6,818.35	
		For >6 Months (>26 Weeks), Deduct	*-272.73*	
01 22 23 00-0405	DAY	24" Compaction Wheel Attachment For Hydraulic Excavators	188.65	
		For Half Day Usage, Deduct	*-58.95*	
01 22 23 00-0406	WK	24" Compaction Wheel Attachment For Hydraulic Excavators	754.60	
01 22 23 00-0407	MO	24" Compaction Wheel Attachment For Hydraulic Excavators	2,263.80	
		For >6 Months (>26 Weeks), Deduct	*-90.55*	
01 22 23 00-0408	DAY	36" Compaction Wheel Attachment For Hydraulic Excavators	269.50	
		For Half Day Usage, Deduct	*-84.22*	
01 22 23 00-0409	WK	36" Compaction Wheel Attachment For Hydraulic Excavators	1,078.00	
01 22 23 00-0410	MO	36" Compaction Wheel Attachment For Hydraulic Excavators	3,234.00	
		For >6 Months (>26 Weeks), Deduct	*-129.36*	
01 22 23 00-0411	DAY	48" Compaction Wheel Attachment For Hydraulic Excavators	296.45	
		For Half Day Usage, Deduct	*-92.64*	
01 22 23 00-0412	WK	48" Compaction Wheel Attachment For Hydraulic Excavators	1,172.32	
01 22 23 00-0413	MO	48" Compaction Wheel Attachment For Hydraulic Excavators	3,503.50	
		For >6 Months (>26 Weeks), Deduct	*-140.14*	

01 22 23 00-0414 Mini-Excavators *(01 22 23 00-0274)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0415	DAY	2,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	1,272.65	
		For Equipment Without Operator, Deduct	*-989.67*	
		For Half Day Usage, Deduct	*-583.27*	
01 22 23 00-0416	WK	2,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	5,750.13	
		For Equipment Without Operator, Deduct	*-4,948.37*	
01 22 23 00-0417	MO	2,000 Lb. Capacity, Capacity, Mini-Excavator With Full-Time Operator	23,208.15	
		For Equipment Without Operator, Deduct	*-21,442.93*	
		For >6 Months (>26 Weeks), Deduct	*-70.61*	
01 22 23 00-0418	DAY	3,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	1,279.38	
		For Equipment Without Operator, Deduct	*-989.67*	
		For Half Day Usage, Deduct	*-585.37*	
01 22 23 00-0419	WK	3,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	5,770.35	
		For Equipment Without Operator, Deduct	*-4,948.37*	
01 22 23 00-0420	MO	3,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	23,632.62	
		For Equipment Without Operator, Deduct	*-21,442.93*	
		For >6 Months (>26 Weeks), Deduct	*-87.59*	
01 22 23 00-0421	DAY	6,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	1,313.07	
		For Equipment Without Operator, Deduct	*-989.67*	
		For Half Day Usage, Deduct	*-595.90*	
01 22 23 00-0422	WK	6,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	5,864.67	
		For Equipment Without Operator, Deduct	*-4,948.37*	
01 22 23 00-0423	MO	6,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	23,693.25	
		For Equipment Without Operator, Deduct	*-21,442.93*	
		For >6 Months (>26 Weeks), Deduct	*-90.01*	
01 22 23 00-0424	DAY	7,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	1,326.55	
		For Equipment Without Operator, Deduct	*-989.67*	
		For Half Day Usage, Deduct	*-600.11*	
01 22 23 00-0425	WK	7,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	5,911.83	
		For Equipment Without Operator, Deduct	*-4,948.37*	
01 22 23 00-0426	MO	7,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	23,720.21	
		For Equipment Without Operator, Deduct	*-21,442.93*	
		For >6 Months (>26 Weeks), Deduct	*-91.09*	
01 22 23 00-0427	DAY	9,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	1,407.39	
		For Equipment Without Operator, Deduct	*-989.67*	
		For Half Day Usage, Deduct	*-625.37*	
01 22 23 00-0428	WK	9,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	5,979.21	
		For Equipment Without Operator, Deduct	*-4,948.37*	
01 22 23 00-0429	MO	9,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	24,501.75	
		For Equipment Without Operator, Deduct	*-21,442.93*	
		For >6 Months (>26 Weeks), Deduct	*-122.35*	
01 22 23 00-0430	DAY	11,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	1,414.13	
		For Equipment Without Operator, Deduct	*-989.67*	
		For Half Day Usage, Deduct	*-627.48*	
01 22 23 00-0431	WK	11,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	6,316.08	
		For Equipment Without Operator, Deduct	*-4,948.37*	
01 22 23 00-0432	MO	11,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	24,535.44	
		For Equipment Without Operator, Deduct	*-21,442.93*	
		For >6 Months (>26 Weeks), Deduct	*-123.70*	

01 22 23 00-0433 Telescopic Hydraulic Excavators (Gradall) *(01 22 23 00-0274)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0434	DAY	Telescopic Hydraulic Excavator (Gradall) With Full-Time Operator	4,479.08	
		For Equipment Without Operator, Deduct	*-989.67*	
		For Track Gradall, Add	*418.73*	
		For Half Day Usage, Deduct	*-1,585.28*	
01 22 23 00-0435	WK	Telescopic Hydraulic Excavator (Gradall) With Full-Time Operator	13,149.59	
		For Equipment Without Operator, Deduct	*-4,948.37*	
		For Track Gradall, Add	*984.15*	
01 22 23 00-0436	MO	Telescopic Hydraulic Excavator (Gradall) With Full-Time Operator	50,714.26	
		For Equipment Without Operator, Deduct	*-21,442.93*	
		For Track Gradall, Add	*3,512.56*	
		For >6 Months (>26 Weeks), Deduct	*-1,170.85*	

01 22 23 00-0437 Road Graders *(01 22 23 00-0274)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0438	DAY	50 To 60 HP Road Grader With Full-Time Operator	2,368.92	
		For Equipment Without Operator, Deduct	*-989.67*	
		For Half Day Usage, Deduct	*-925.85*	
01 22 23 00-0439	WK	50 To 60 HP Road Grader With Full-Time Operator	8,534.42	
		For Equipment Without Operator, Deduct	*-4,948.37*	
01 22 23 00-0440	MO	50 To 60 HP Road Grader With Full-Time Operator	31,097.68	
		For Equipment Without Operator, Deduct	*-21,442.93*	
		For >6 Months (>26 Weeks), Deduct	*-386.19*	
01 22 23 00-0441	DAY	80 To 100 HP Road Grader With Full-Time Operator	3,049.35	
		For Equipment Without Operator, Deduct	*-989.67*	
		For Half Day Usage, Deduct	*-1,138.49*	
01 22 23 00-0442	WK	80 To 100 HP Road Grader With Full-Time Operator	10,042.40	
		For Equipment Without Operator, Deduct	*-4,948.37*	
01 22 23 00-0443	MO	80 To 100 HP Road Grader With Full-Time Operator	35,695.18	
		For Equipment Without Operator, Deduct	*-21,442.93*	
		For >6 Months (>26 Weeks), Deduct	*-570.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0444	DAY	130 To 140 HP Road Grader With Full-Time Operator	3,556.60	
		For Equipment Without Operator, Deduct	*-989.67*	
		For Half Day Usage, Deduct	*-1,297.00*	
01 22 23 00-0445	WK	130 To 140 HP Road Grader With Full-Time Operator	11,544.86	
		For Equipment Without Operator, Deduct	*-4,948.37*	
01 22 23 00-0446	MO	130 To 140 HP Road Grader With Full-Time Operator	41,235.17	
		For Equipment Without Operator, Deduct	*-21,442.93*	
		For >6 Months (>26 Weeks), Deduct	*-791.69*	
01 22 23 00-0447	DAY	170 To 185 HP Road Grader With Full-Time Operator	4,327.45	
		For Equipment Without Operator, Deduct	*-989.67*	
		For Half Day Usage, Deduct	*-1,537.89*	
01 22 23 00-0448	WK	170 To 185 HP Road Grader With Full-Time Operator	18,299.51	
		For Equipment Without Operator, Deduct	*-4,948.37*	
01 22 23 00-0449	MO	170 To 185 HP Road Grader With Full-Time Operator	68,171.88	
		For Equipment Without Operator, Deduct	*-21,442.89*	
		For >6 Months (>26 Weeks), Deduct	*-1,869.16*	

01 22 23 00-0450 Loader-Backhoes With Standard Bucket *(01 22 23 00-0274)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0451	DAY	1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator	1,400.37	
		For Equipment Without Operator, Deduct	*-989.67*	
		For Half Day Usage, Deduct	*-623.18*	
01 22 23 00-0452	WK	1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator	5,923.79	
		For Equipment Without Operator, Deduct	*-4,948.37*	
01 22 23 00-0453	MO	1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator	23,738.47	
		For Equipment Without Operator, Deduct	*-21,442.93*	
		For >6 Months (>26 Weeks), Deduct	*-91.82*	
01 22 23 00-0454	DAY	1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator	1,444.38	
		For Equipment Without Operator, Deduct	*-989.67*	
		For Half Day Usage, Deduct	*-636.93*	
01 22 23 00-0455	WK	1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator	6,077.81	
		For Equipment Without Operator, Deduct	*-4,948.37*	
01 22 23 00-0456	MO	1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator	24,677.22	
		For Equipment Without Operator, Deduct	*-21,442.93*	
		For >6 Months (>26 Weeks), Deduct	*-129.37*	
01 22 23 00-0457	DAY	1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator	1,512.22	
		For Equipment Without Operator, Deduct	*-989.67*	
		For Half Day Usage, Deduct	*-658.13*	
01 22 23 00-0458	WK	1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator	6,246.49	
		For Equipment Without Operator, Deduct	*-4,948.37*	
01 22 23 00-0459	MO	1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator	25,161.27	
		For Equipment Without Operator, Deduct	*-21,442.93*	
		For >6 Months (>26 Weeks), Deduct	*-148.73*	
01 22 23 00-0460	DAY	1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator	1,814.75	
		For Equipment Without Operator, Deduct	*-989.67*	
		For Half Day Usage, Deduct	*-752.67*	
01 22 23 00-0461	WK	1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator	7,148.57	
		For Equipment Without Operator, Deduct	*-4,948.37*	
01 22 23 00-0462	MO	1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator	27,742.84	
		For Equipment Without Operator, Deduct	*-21,442.93*	
		For >6 Months (>26 Weeks), Deduct	*-252.00*	

01 22 23 00-0463 Heavy-Duty Construction Loaders *(01 22 23 00-0274)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0464	DAY	2-1/2 CY, 119 HP, Heavy-Duty Construction Loader With Full-Time Operator	1,543.31	
		For Equipment Without Operator, Deduct	*-989.67*	
		For Half Day Usage, Deduct	*-667.85*	
01 22 23 00-0465	WK	2-1/2 CY, 119 HP, Heavy-Duty Construction Loader With Full-Time Operator	7,137.37	
		For Equipment Without Operator, Deduct	*-4,948.37*	
01 22 23 00-0466	MO	2-1/2 CY, 119 HP, Heavy-Duty Construction Loader With Full-Time Operator	28,001.41	
		For Equipment Without Operator, Deduct	*-21,442.93*	
		For >6 Months (>26 Weeks), Deduct	*-262.34*	
01 22 23 00-0467	DAY	3 CY, 135 HP, Heavy-Duty Construction Loader With Full-Time Operator	2,003.25	
		For Equipment Without Operator, Deduct	*-989.67*	
		For Half Day Usage, Deduct	*-811.58*	
01 22 23 00-0468	WK	3 CY, 135 HP, Heavy-Duty Construction Loader With Full-Time Operator	7,639.90	
		For Equipment Without Operator, Deduct	*-4,948.37*	
01 22 23 00-0469	MO	3 CY, 135 HP, Heavy-Duty Construction Loader With Full-Time Operator	28,256.93	
		For Equipment Without Operator, Deduct	*-21,442.93*	
		For >6 Months (>26 Weeks), Deduct	*-272.56*	
01 22 23 00-0470	DAY	3-1/2 CY, 198 HP, Heavy-Duty Construction Loader With Full-Time Operator	2,105.46	
		For Equipment Without Operator, Deduct	*-989.67*	
		For Half Day Usage, Deduct	*-843.52*	
01 22 23 00-0471	WK	3-1/2 CY, 198 HP, Heavy-Duty Construction Loader With Full-Time Operator	7,912.46	
		For Equipment Without Operator, Deduct	*-4,948.37*	
01 22 23 00-0472	MO	3-1/2 CY, 198 HP, Heavy-Duty Construction Loader With Full-Time Operator	28,938.33	
		For Equipment Without Operator, Deduct	*-21,442.93*	
		For >6 Months (>26 Weeks), Deduct	*-299.82*	
01 22 23 00-0473	DAY	4-1/2 CY, 215 HP, Heavy-Duty Construction Loader With Full-Time Operator	2,386.54	
		For Equipment Without Operator, Deduct	*-989.67*	
		For Half Day Usage, Deduct	*-931.36*	
01 22 23 00-0474	WK	4-1/2 CY, 215 HP, Heavy-Duty Construction Loader With Full-Time Operator	8,653.48	
		For Equipment Without Operator, Deduct	*-4,948.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0475	MO	4-1/2 CY, 215 HP, Heavy-Duty Construction Loader With Full-Time Operator	30,812.18	
		For Equipment Without Operator, Deduct	*-21,442.93*	
		For >6 Months (>26 Weeks), Deduct	*-374.77*	
01 22 23 00-0476	DAY	7-1/3 CY, 330 HP, Heavy-Duty Construction Loader With Full-Time Operator	3,110.53	
		For Equipment Without Operator, Deduct	*-989.67*	
		For Half Day Usage, Deduct	*-1,157.60*	
01 22 23 00-0477	WK	7-1/3 CY, 330 HP, Heavy-Duty Construction Loader With Full-Time Operator	13,414.77	
		For Equipment Without Operator, Deduct	*-4,948.37*	
01 22 23 00-0478	MO	7-1/3 CY, 330 HP, Heavy-Duty Construction Loader With Full-Time Operator	46,825.08	
		For Equipment Without Operator, Deduct	*-21,442.93*	
		For >6 Months (>26 Weeks), Deduct	*-1,015.29*	
01 22 23 00-0479	DAY	13-1/2 CY, 690 HP, Heavy-Duty Construction Loader With Full-Time Operator	7,880.24	
		For Equipment Without Operator, Deduct	*-989.67*	
		For Half Day Usage, Deduct	*-2,648.14*	
01 22 23 00-0480	WK	13-1/2 CY, 690 HP, Heavy-Duty Construction Loader With Full-Time Operator	27,323.60	
		For Equipment Without Operator, Deduct	*-4,948.37*	
01 22 23 00-0481	MO	13-1/2 CY, 690 HP, Heavy-Duty Construction Loader With Full-Time Operator	82,421.50	
		For Equipment Without Operator, Deduct	*-21,442.93*	
		For >6 Months (>26 Weeks), Deduct	*-2,439.14*	

01 22 23 00-0482 Shoring *(01 22 23 00-0274)*

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-0483 Aluminum Hydraulic Shoring *(01 22 23 00-0482)*

Note: Includes delivery to job site and pick-up when complete. Excludes sheeting.

01 22 23 00-0484	WK	2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	120.17	
01 22 23 00-0485	MO	2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	354.47	
		For >6 Months (>26 Weeks), Deduct	*-14.18*	
01 22 23 00-0486	WK	Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	161.21	
01 22 23 00-0487	MO	Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	475.50	
		For >6 Months (>26 Weeks), Deduct	*-19.02*	
01 22 23 00-0488	WK	Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	298.93	
01 22 23 00-0489	MO	Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	881.84	
		For >6 Months (>26 Weeks), Deduct	*-35.27*	
01 22 23 00-0490	EA	Set-up And Removal Of 1 Cylinder Aluminum Hydraulic Shores	31.13	
01 22 23 00-0491	EA	Set-up And Removal Of 2 Cylinders Aluminum Hydraulic Shores	49.81	
01 22 23 00-0492	EA	Set-up And Removal Of 3 Cylinders Aluminum Hydraulic Shores	83.00	

01 22 23 00-0493 Tractors *(01 22 23 00-0274)*

Note: Excludes operator, delivery, set-up, and removal.

01 22 23 00-0494	DAY	20 To 29 HP Tractor	562.01	
		For Half Day Usage, Deduct	*-175.63*	
01 22 23 00-0495	WK	20 To 29 HP Tractor	1,352.99	
01 22 23 00-0496	MO	20 To 29 HP Tractor	3,653.07	
		For >6 Months (>26 Weeks), Deduct	*-146.12*	
01 22 23 00-0497	DAY	30 To 35 HP Tractor	582.33	
		For Half Day Usage, Deduct	*-181.98*	
01 22 23 00-0498	WK	30 To 35 HP Tractor	1,499.19	
01 22 23 00-0499	MO	30 To 35 HP Tractor	4,150.65	
		For >6 Months (>26 Weeks), Deduct	*-166.03*	
01 22 23 00-0500	DAY	40 To 45 HP Tractor	594.72	
		For Half Day Usage, Deduct	*-185.85*	
01 22 23 00-0501	WK	40 To 45 HP Tractor	1,598.31	
01 22 23 00-0502	MO	40 To 45 HP Tractor	4,386.06	
		For >6 Months (>26 Weeks), Deduct	*-175.44*	
01 22 23 00-0503	DAY	80 To 89 HP Tractor	765.70	
		For Half Day Usage, Deduct	*-239.28*	
01 22 23 00-0504	WK	80 To 89 HP Tractor	2,171.47	
01 22 23 00-0505	MO	80 To 89 HP Tractor	6,217.55	
		For >6 Months (>26 Weeks), Deduct	*-248.70*	
01 22 23 00-0506	DAY	60" Rotary Mower Attachment For Tractors	240.37	
		For Half Day Usage, Deduct	*-75.12*	
01 22 23 00-0507	WK	60" Rotary Mower Attachment For Tractors	743.40	
01 22 23 00-0508	DAY	84" Rotary Mower Attachment For Tractors	262.67	
		For Half Day Usage, Deduct	*-82.08*	
01 22 23 00-0509	WK	84" Rotary Mower Attachment For Tractors	805.35	
01 22 23 00-0510	DAY	Under Deck Rotary Mower Attachment For Tractors	41.39	
		For Half Day Usage, Deduct	*-12.93*	
01 22 23 00-0511	WK	Under Deck Rotary Mower Attachment For Tractors	165.55	

01 22 23 00-0512 Trench Boxes/Trench Shields *(01 22 23 00-0274)*

Note: Trenching tasks include moving the trench box in excavation as trenching proceeds. Includes delivery to job site and pick-up when complete. For stackable units, combine multiple units for depth required.

01 22 23 00-0513	WK	4' x 6' Trench Box With Up To 48" Spreaders	260.32	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0514	MO	4' x 6' Trench Box With Up To 48" Spreaders	780.97	
		For >6 Months (>26 Weeks), Deduct	*-31.24*	
01 22 23 00-0515	WK	6' x 6' Trench Box With Up To 48" Spreaders	293.91	
01 22 23 00-0516	MO	6' x 6' Trench Box With Up To 48" Spreaders	881.74	
		For >6 Months (>26 Weeks), Deduct	*-35.27*	
01 22 23 00-0517	WK	8' x 6' Trench Box With Up To 48" Spreaders	310.71	
01 22 23 00-0518	MO	8' x 6' Trench Box With Up To 48" Spreaders	932.12	
		For >6 Months (>26 Weeks), Deduct	*-37.28*	
01 22 23 00-0519	WK	4' x 8' Trench Box With Up To 48" Spreaders	285.52	
01 22 23 00-0520	MO	4' x 8' Trench Box With Up To 48" Spreaders	856.54	
		For >6 Months (>26 Weeks), Deduct	*-34.26*	
01 22 23 00-0521	WK	6' x 8' Trench Box With Up To 48" Spreaders	335.90	
01 22 23 00-0522	MO	6' x 8' Trench Box With Up To 48" Spreaders	1,007.70	
		For >6 Months (>26 Weeks), Deduct	*-40.31*	
01 22 23 00-0523	WK	8' x 8' Trench Box With Up To 48" Spreaders	377.89	
01 22 23 00-0524	MO	8' x 8' Trench Box With Up To 48" Spreaders	1,133.66	
		For >6 Months (>26 Weeks), Deduct	*-45.35*	
01 22 23 00-0525	WK	4' x 10' Trench Box With Up To 48" Spreaders	319.10	
01 22 23 00-0526	MO	4' x 10' Trench Box With Up To 48" Spreaders	957.32	
		For >6 Months (>26 Weeks), Deduct	*-38.29*	
01 22 23 00-0527	WK	6' x 10' Trench Box With Up To 48" Spreaders	377.89	
01 22 23 00-0528	MO	6' x 10' Trench Box With Up To 48" Spreaders	1,133.66	
		For >6 Months (>26 Weeks), Deduct	*-45.35*	
01 22 23 00-0529	WK	8' x 10' Trench Box With Up To 48" Spreaders	461.86	
01 22 23 00-0530	MO	8' x 10' Trench Box With Up To 48" Spreaders	1,377.19	
		For >6 Months (>26 Weeks), Deduct	*-55.09*	
01 22 23 00-0531	WK	4' x 12' Trench Box With Up To 48" Spreaders	377.89	
01 22 23 00-0532	MO	4' x 12' Trench Box With Up To 48" Spreaders	1,133.66	
		For >6 Months (>26 Weeks), Deduct	*-45.35*	
01 22 23 00-0533	WK	6' x 12' Trench Box With Up To 48" Spreaders	461.86	
01 22 23 00-0534	MO	6' x 12' Trench Box With Up To 48" Spreaders	1,385.59	
		For >6 Months (>26 Weeks), Deduct	*-55.42*	
01 22 23 00-0535	WK	8' x 12' Trench Box With Up To 48" Spreaders	587.82	
01 22 23 00-0536	MO	8' x 12' Trench Box With Up To 48" Spreaders	1,763.48	
		For >6 Months (>26 Weeks), Deduct	*-70.54*	
01 22 23 00-0537	WK	4' x 14' Trench Box With Up To 48" Spreaders	419.88	
01 22 23 00-0538	MO	4' x 14' Trench Box With Up To 48" Spreaders	1,259.62	
		For >6 Months (>26 Weeks), Deduct	*-50.38*	
01 22 23 00-0539	WK	6' x 14' Trench Box With Up To 48" Spreaders	545.84	
01 22 23 00-0540	MO	6' x 14' Trench Box With Up To 48" Spreaders	1,637.51	
		For >6 Months (>26 Weeks), Deduct	*-65.50*	
01 22 23 00-0541	WK	8' x 14' Trench Box With Up To 48" Spreaders	671.80	
01 22 23 00-0542	MO	8' x 14' Trench Box With Up To 48" Spreaders	2,015.40	
		For >6 Months (>26 Weeks), Deduct	*-80.62*	
01 22 23 00-0543	WK	4' x 16' Trench Box With Up To 48" Spreaders	461.86	
01 22 23 00-0544	MO	4' x 16' Trench Box With Up To 48" Spreaders	1,385.59	
		For >6 Months (>26 Weeks), Deduct	*-55.42*	
01 22 23 00-0545	WK	6' x 16' Trench Box With Up To 48" Spreaders	629.81	
01 22 23 00-0546	MO	6' x 16' Trench Box With Up To 48" Spreaders	1,889.44	
		For >6 Months (>26 Weeks), Deduct	*-75.58*	
01 22 23 00-0547	WK	8' x 16' Trench Box With Up To 48" Spreaders	755.78	
01 22 23 00-0548	MO	8' x 16' Trench Box With Up To 48" Spreaders	2,267.32	
		For >6 Months (>26 Weeks), Deduct	*-90.69*	
01 22 23 00-0549	WK	4' x 20' Trench Box With Up To 48" Spreaders	545.84	
01 22 23 00-0550	MO	4' x 20' Trench Box With Up To 48" Spreaders	1,637.51	
		For >6 Months (>26 Weeks), Deduct	*-65.50*	
01 22 23 00-0551	WK	6' x 20' Trench Box With Up To 48" Spreaders	755.78	
01 22 23 00-0552	MO	6' x 20' Trench Box With Up To 48" Spreaders	2,267.32	
		For >6 Months (>26 Weeks), Deduct	*-90.69*	
01 22 23 00-0553	WK	8' x 20' Trench Box With Up To 48" Spreaders	881.74	
01 22 23 00-0554	MO	8' x 20' Trench Box With Up To 48" Spreaders	2,645.21	
		For >6 Months (>26 Weeks), Deduct	*-105.81*	
01 22 23 00-0555	WK	4' x 24' Trench Box With Up To 48" Spreaders	755.78	
01 22 23 00-0556	MO	4' x 24' Trench Box With Up To 48" Spreaders	2,267.32	
		For >6 Months (>26 Weeks), Deduct	*-90.69*	
01 22 23 00-0557	WK	6' x 24' Trench Box With Up To 48" Spreaders	923.72	
01 22 23 00-0558	MO	6' x 24' Trench Box With Up To 48" Spreaders	2,771.18	
		For >6 Months (>26 Weeks), Deduct	*-110.85*	
01 22 23 00-0559	WK	8' x 24' Trench Box With Up To 48" Spreaders	1,007.70	
01 22 23 00-0560	MO	8' x 24' Trench Box With Up To 48" Spreaders	3,023.10	
		For >6 Months (>26 Weeks), Deduct	*-120.92*	
01 22 23 00-0561	WK	For Spreaders >48" To 84", Add	25.19	
01 22 23 00-0562	MO	For Spreaders >48" To 84", Add	75.58	
		For >6 Months (>26 Weeks), Deduct	*-3.02*	
01 22 23 00-0563	WK	For Spreaders >84" To 120", Add	151.16	
01 22 23 00-0564	MO	For Spreaders >84" To 120", Add	453.46	
		For >6 Months (>26 Weeks), Deduct	*-18.14*	
01 22 23 00-0565	WK	For Spreaders >120", Add	319.10	
01 22 23 00-0566	MO	For Spreaders >120", Add	957.32	
		For >6 Months (>26 Weeks), Deduct	*-38.29*	
01 22 23 00-0567	WK	8' x 4' Manhole Box	396.78	
01 22 23 00-0568	MO	8' x 4' Manhole Box	1,190.35	
		For >6 Months (>26 Weeks), Deduct	*-47.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0569	WK	8' x 8' Manhole Box	566.83	
01 22 23 00-0570	MO	8' x 8' Manhole Box	1,700.49	
		For >6 Months (>26 Weeks), Deduct	*-68.02*	

01 22 23 00-0571 Trenchers *(01 22 23 00-0274)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0572	DAY	4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	1,382.30	
		For Equipment Without Operator, Deduct	*-985.82*	
		For Half Day Usage, Deduct	*-616.81*	
01 22 23 00-0573	WK	4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	6,279.63	
		For Equipment Without Operator, Deduct	*-4,929.12*	
01 22 23 00-0574	MO	4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	25,076.52	
		For Equipment Without Operator, Deduct	*-21,359.52*	
		For >6 Months (>26 Weeks), Deduct	*-148.68*	
01 22 23 00-0575	DAY	5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	2,051.36	
		For Equipment Without Operator, Deduct	*-985.82*	
		For Half Day Usage, Deduct	*-825.89*	
01 22 23 00-0576	WK	5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	8,534.61	
		For Equipment Without Operator, Deduct	*-4,929.12*	
01 22 23 00-0577	MO	5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	31,271.52	
		For Equipment Without Operator, Deduct	*-21,359.52*	
		For >6 Months (>26 Weeks), Deduct	*-396.48*	

01 22 23 00-0578 Truck Mounted Vacuum Excavator *(01 22 23 00-0274)*

Note: Includes driver, delivery, and removal.

01 22 23 00-0579	DAY	Truck Mounted Vacuum Excavator With Full-time Operator	8,435.63	
		For Half Day Usage, Deduct	*-2,821.70*	

01 22 23 00-0580 Portable Sediment Tank *(01 22 23 00-0274)*

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-0581	WK	Portable Sediment Tank	206.94	
01 22 23 00-0582	MO	Portable Sediment Tank	607.02	
		For >6 Months (>26 Weeks), Deduct	*-24.28*	

01 22 23 00-0583 Heavy Equipment (Ground Protection) Mats *(01 22 23 00-0274)*

Note: Rental price per mat. Excludes placement, moving, mobilization and demobilization. See CSI section 01 22 23 00-0274 for equipment for offloading/reloading from delivery vehicle, placing, and moving mats, 01 71 13 00-0001 for equipment delivery, pickup, mobilization and demobilization.

01 22 23 00-0584	DAY	14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	24.50	
		For Half Day Usage, Deduct	*-7.66*	
01 22 23 00-0585	WK	14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	58.34	
01 22 23 00-0586	MO	14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	122.51	
		For >6 Months (>26 Weeks), Deduct	*-4.90*	
01 22 23 00-0587	DAY	16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	25.73	
		For Half Day Usage, Deduct	*-8.04*	
01 22 23 00-0588	WK	16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	61.26	
01 22 23 00-0589	MO	16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	128.64	
		For >6 Months (>26 Weeks), Deduct	*-5.15*	
01 22 23 00-0590	Day	16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	20.83	
		For Half Day Usage, Deduct	*-6.51*	
01 22 23 00-0591	WK	16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	49.00	
01 22 23 00-0592	MO	16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	104.13	
		For >6 Months (>26 Weeks), Deduct	*-4.17*	
01 22 23 00-0593	Day	18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	23.28	
		For Half Day Usage, Deduct	*-7.28*	
01 22 23 00-0594	WK	18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	55.13	
01 22 23 00-0595	MO	18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	116.38	
		For >6 Months (>26 Weeks), Deduct	*-4.66*	
01 22 23 00-0596	Day	20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	25.73	
		For Half Day Usage, Deduct	*-8.04*	
01 22 23 00-0597	WK	20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	61.26	
01 22 23 00-0598	MO	20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	128.64	
		For >6 Months (>26 Weeks), Deduct	*-5.15*	
01 22 23 00-0599	Day	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	28.18	
		For Half Day Usage, Deduct	*-8.81*	
01 22 23 00-0600	WK	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	67.09	
01 22 23 00-0601	MO	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	140.89	
		For >6 Months (>26 Weeks), Deduct	*-5.64*	
01 22 23 00-0602	Day	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	22.05	
		For Half Day Usage, Deduct	*-6.89*	
01 22 23 00-0603	WK	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	61.26	
01 22 23 00-0604	MO	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	110.26	
		For >6 Months (>26 Weeks), Deduct	*-4.41*	
01 22 23 00-0605	Day	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	25.73	
		For Half Day Usage, Deduct	*-8.04*	
01 22 23 00-0606	WK	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	61.26	
01 22 23 00-0607	MO	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	128.64	
		For >6 Months (>26 Weeks), Deduct	*-5.15*	
01 22 23 00-0608	Day	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	30.63	
		For Half Day Usage, Deduct	*-9.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0609	WK	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	67.38	
01 22 23 00-0610	MO	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	153.14	
		For >6 Months (>26 Weeks), Deduct	*-6.13*	
01 22 23 00-0611	Day	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	33.08	
		For Half Day Usage, Deduct	*-10.34*	
01 22 23 00-0612	WK	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	78.76	
01 22 23 00-0613	MO	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	165.39	
		For >6 Months (>26 Weeks), Deduct	*-6.62*	
01 22 23 00-0614	Day	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	35.53	
		For Half Day Usage, Deduct	*-11.10*	
01 22 23 00-0615	WK	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	84.59	
01 22 23 00-0616	MO	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	177.64	
		For >6 Months (>26 Weeks), Deduct	*-7.11*	
01 22 23 00-0617	Day	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	36.75	
		For Half Day Usage, Deduct	*-11.48*	
01 22 23 00-0618	WK	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	87.51	
01 22 23 00-0619	MO	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	183.76	
		For >6 Months (>26 Weeks), Deduct	*-7.35*	
01 22 23 00-0620	Day	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™)	11.79	
		For Half Day Usage, Deduct	*-3.68*	
01 22 23 00-0621	WK	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™)	29.46	
01 22 23 00-0622	MO	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™)	88.39	
		For >6 Months (>26 Weeks), Deduct	*-3.54*	
01 22 23 00-0623	Day	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	14.09	
		For Half Day Usage, Deduct	*-4.40*	
01 22 23 00-0624	WK	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	35.22	
01 22 23 00-0625	MO	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	105.66	
		For >6 Months (>26 Weeks), Deduct	*-4.23*	
01 22 23 00-0626	Day	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	16.09	
		For Half Day Usage, Deduct	*-5.03*	
01 22 23 00-0627	WK	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	40.22	
01 22 23 00-0628	MO	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	120.67	
		For >6 Months (>26 Weeks), Deduct	*-4.83*	
01 22 23 00-0629	Day	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	17.15	
		For Half Day Usage, Deduct	*-5.36*	
01 22 23 00-0630	WK	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	42.88	
01 22 23 00-0631	MO	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	128.64	
		For >6 Months (>26 Weeks), Deduct	*-5.15*	
01 22 23 00-0632	Day	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	19.60	
		For Half Day Usage, Deduct	*-6.13*	
01 22 23 00-0633	WK	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	49.00	
01 22 23 00-0634	MO	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	147.01	
		For >6 Months (>26 Weeks), Deduct	*-5.88*	
01 22 23 00-0635	Day	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	22.53	
		For Half Day Usage, Deduct	*-7.04*	
01 22 23 00-0636	WK	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	56.31	
01 22 23 00-0637	MO	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	168.94	
		For >6 Months (>26 Weeks), Deduct	*-6.76*	
01 22 23 00-0638	Day	24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	17.33	
		For Half Day Usage, Deduct	*-5.42*	
01 22 23 00-0639	WK	24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	43.33	
01 22 23 00-0640	MO	24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	129.98	
		For >6 Months (>26 Weeks), Deduct	*-5.20*	
01 22 23 00-0641	Day	30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	23.46	
		For Half Day Usage, Deduct	*-7.33*	
01 22 23 00-0642	WK	30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	58.66	
01 22 23 00-0643	MO	30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	175.99	
		For >6 Months (>26 Weeks), Deduct	*-7.04*	
01 22 23 00-0644	Day	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	20.29	
		For Half Day Usage, Deduct	*-6.34*	
01 22 23 00-0645	WK	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	50.72	
01 22 23 00-0646	MO	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	152.16	
		For >6 Months (>26 Weeks), Deduct	*-6.09*	
01 22 23 00-0647	Day	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	33.84	
		For Half Day Usage, Deduct	*-10.58*	
01 22 23 00-0648	WK	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	84.59	
01 22 23 00-0649	MO	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	253.77	
		For >6 Months (>26 Weeks), Deduct	*-10.15*	
01 22 23 00-0650	Day	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	36.07	
		For Half Day Usage, Deduct	*-11.27*	
01 22 23 00-0651	WK	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	90.17	
01 22 23 00-0652	MO	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	270.50	
		For >6 Months (>26 Weeks), Deduct	*-10.82*	

01 22 23 00-0653 Electrical Equipment *(01 22 23)*

01 22 23 00-0654 Tripod Mounted Floodlights *(01 22 23 00-0653)*

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-0655	DAY	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	70.37	
		For Half Day Usage, Deduct	*-21.99*	
01 22 23 00-0656	WK	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	166.48	
01 22 23 00-0657	MO	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	351.84	
		For >6 Months (>26 Weeks), Deduct	*-14.07*	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0658	DAY	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	70.37	
		For Half Day Usage, Deduct	*-21.99*	
01 22 23 00-0659	WK	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	205.96	
01 22 23 00-0660	MO	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	609.29	
		For >6 Months (>26 Weeks), Deduct	*-24.37*	
01 22 23 00-0661	DAY	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	78.95	
		For Half Day Usage, Deduct	*-24.67*	
01 22 23 00-0662	WK	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	214.54	
01 22 23 00-0663	MO	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	523.47	
		For >6 Months (>26 Weeks), Deduct	*-20.94*	

01 22 23 00-0664 Trailer Mounted Floodlights *(01 22 23 00-0653)*

Note: Includes delivery to job site and pick-up when complete. Excludes operator.

01 22 23 00-0665	DAY	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	197.37	
		For Half Day Usage, Deduct	*-61.68*	
01 22 23 00-0666	WK	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	437.66	
01 22 23 00-0667	MO	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	943.96	
		For >6 Months (>26 Weeks), Deduct	*-37.76*	

01 22 23 00-0668 Generator Sets *(01 22 23 00-0653)*

01 22 23 00-0669 Portable, Gas Powered Generator Sets *(01 22 23 00-0668)*

Note: With 24 hour day-tank. Includes delivery to job site and pick-up when complete. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0824 for reimbursable fuel fees.

01 22 23 00-0670	DAY	3.6 KW Gas Powered Generator Set	57.14	
		Note: Fuel consumption: 100% load – 0.54 gallons per hour		
		For LP Or NG Gas, Add	*7.14*	
		For Half Day Usage, Deduct	*-17.86*	
01 22 23 00-0671	WK	3.6 KW Gas Powered Generator Set	205.96	
		Note: Fuel consumption: 100% load – 0.54 gallons per hour		
		For LP Or NG Gas, Add	*25.75*	
01 22 23 00-0672	MO	3.6 KW Gas Powered Generator Set	571.38	
		Note: Fuel consumption: 100% load – 0.54 gallons per hour		
		For LP Or NG Gas, Add	*71.42*	
		For >6 Months (>26 Weeks), Deduct	*-22.86*	
01 22 23 00-0673	DAY	5 KW Gas Powered Generator Set	81.06	
		Note: Fuel consumption: 100% load – 0.75 gallons per hour		
		For LP Or NG Gas, Add	*10.13*	
		For Half Day Usage, Deduct	*-25.33*	
01 22 23 00-0674	WK	5 KW Gas Powered Generator Set	259.12	
		Note: Fuel consumption: 100% load – 0.75 gallons per hour		
		For LP Or NG Gas, Add	*32.39*	
01 22 23 00-0675	MO	5 KW Gas Powered Generator Set	591.32	
		Note: Fuel consumption: 100% load – 0.75 gallons per hour		
		For LP Or NG Gas, Add	*73.92*	
		For >6 Months (>26 Weeks), Deduct	*-23.65*	
01 22 23 00-0676	DAY	6.5 KW Gas Powered Generator Set	103.65	
		Note: Fuel consumption: 100% load – 0.975 gallons per hour		
		For LP Or NG Gas, Add	*12.96*	
		For Half Day Usage, Deduct	*-32.39*	
01 22 23 00-0677	WK	6.5 KW Gas Powered Generator Set	279.05	
		Note: Fuel consumption: 100% load – 0.975 gallons per hour		
		For LP Or NG Gas, Add	*34.88*	
01 22 23 00-0678	MO	6.5 KW Gas Powered Generator Set	770.70	
		Note: Fuel consumption: 100% load – 0.975 gallons per hour		
		For LP Or NG Gas, Add	*96.34*	
		For >6 Months (>26 Weeks), Deduct	*-30.83*	
01 22 23 00-0679	DAY	10 KW Gas Powered Generator Set	115.61	
		Note: Fuel consumption: 100% load – 1.35 gallons per hour		
		For LP Or NG Gas, Add	*14.45*	
		For Half Day Usage, Deduct	*-36.13*	
01 22 23 00-0680	WK	10 KW Gas Powered Generator Set	312.27	
		Note: Fuel consumption: 100% load – 1.35 gallons per hour		
		For LP Or NG Gas, Add	*39.03*	
01 22 23 00-0681	MO	10 KW Gas Powered Generator Set	896.94	
		Note: Fuel consumption: 100% load – 1.35 gallons per hour		
		For LP Or NG Gas, Add	*112.12*	
		For >6 Months (>26 Weeks), Deduct	*-35.88*	
01 22 23 00-0682	DAY	15 KW Gas Powered Generator Set	211.68	
		Note: Fuel consumption: 100% load – 1.70 gallons per hour		
		For LP Or NG Gas, Add	*26.46*	
		For Half Day Usage, Deduct	*-66.15*	
01 22 23 00-0683	WK	15 KW Gas Powered Generator Set	601.34	
		Note: Fuel consumption: 100% load – 1.6 gallons per hour		
		For LP Or NG Gas, Add	*75.17*	
01 22 23 00-0684	MO	15 KW Gas Powered Generator Set	1,298.90	
		Note: Fuel consumption: 100% load – 1.6 gallons per hour		
		For LP Or NG Gas, Add	*162.36*	
		For >6 Months (>26 Weeks), Deduct	*-51.96*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0685		**Towable, Diesel Powered Generator Sets** *(01 22 23 00-0668)* Note: Includes 24 hour day-tank on sizes up to 180KW, 40 hour day-tank for sizes greater than 180KW To 300 KW and 1000 gallon for sizes greater than 300KW. Multi-voltage transformer unless stated otherwise, trailer mounted including sound attenuation and control panel. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0824 for reimbursable fuel fees.		
01 22 23 00-0686	DAY	20 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.	237.86	
		For >8 To 16 Hours Usage Per Day, Add	*95.14*	
		For >16 To 24 Hours Usage Per Day, Add	*190.29*	
01 22 23 00-0687	WK	20 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.	621.88	
		For >40 To 80 Hours Usage Per Week, Add	*248.75*	
		For >80 Hours Usage Per Week, Add	*497.50*	
01 22 23 00-0688	MO	20 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.	1,694.22	
		For >160 To 320 Hours Usage Per Month, Add	*677.69*	
		For >320 Hours Usage Per Month, Add	*1,355.38*	
		For >6 Months (>26 Weeks), Deduct	*-67.77*	
01 22 23 00-0689	DAY	30 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.	389.20	
		For >8 To 16 Hours Usage Per Day, Add	*155.68*	
		For >16 To 24 Hours Usage Per Day, Add	*311.36*	
01 22 23 00-0690	WK	30 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.	1,155.06	
		For >40 To 80 Hours Usage Per Week, Add	*462.02*	
		For >80 Hours Usage Per Week, Add	*924.05*	
01 22 23 00-0691	MO	30 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.	2,385.45	
		For >160 To 320 Hours Usage Per Month, Add	*954.18*	
		For >320 Hours Usage Per Month, Add	*1,908.36*	
		For >6 Months (>26 Weeks), Deduct	*-95.42*	
01 22 23 00-0692	DAY	40.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour.	426.87	
		For >8 To 16 Hours Usage Per Day, Add	*170.75*	
		For >16 To 24 Hours Usage Per Day, Add	*341.50*	
01 22 23 00-0693	WK	40.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour.	1,192.72	
		For >40 To 80 Hours Usage Per Week, Add	*477.09*	
		For >80 Hours Usage Per Week, Add	*954.18*	
01 22 23 00-0694	MO	40.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour.	2,636.55	
		For >160 To 320 Hours Usage Per Month, Add	*1,054.62*	
		For >320 Hours Usage Per Month, Add	*2,109.24*	
		For >6 Months (>26 Weeks), Deduct	*-105.46*	
01 22 23 00-0695	DAY	55.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour.	458.26	
		For >8 To 16 Hours Usage Per Day, Add	*183.30*	
		For >16 To 24 Hours Usage Per Day, Add	*366.61*	
01 22 23 00-0696	WK	55.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour.	1,255.50	
		For >40 To 80 Hours Usage Per Week, Add	*502.20*	
		For >80 Hours Usage Per Week, Add	*1,004.40*	
01 22 23 00-0697	MO	55.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour.	3,013.20	
		For >160 To 320 Hours Usage Per Month, Add	*1,205.28*	
		For >320 Hours Usage Per Month, Add	*2,410.56*	
		For >6 Months (>26 Weeks), Deduct	*-120.53*	
01 22 23 00-0698	DAY	70.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour.	502.20	
		For >8 To 16 Hours Usage Per Day, Add	*200.88*	
		For >16 To 24 Hours Usage Per Day, Add	*401.76*	
01 22 23 00-0699	WK	70.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour.	1,424.99	
		For >40 To 80 Hours Usage Per Week, Add	*570.00*	
		For >80 Hours Usage Per Week, Add	*1,139.99*	
01 22 23 00-0700	MO	70.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour.	3,389.85	
		For >160 To 320 Hours Usage Per Month, Add	*1,355.94*	
		For >320 Hours Usage Per Month, Add	*2,711.88*	
		For >6 Months (>26 Weeks), Deduct	*-135.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0701	DAY	80.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour.	564.98	
		For >8 To 16 Hours Usage Per Day, Add	*225.99*	
		For >16 To 24 Hours Usage Per Day, Add	*451.98*	
01 22 23 00-0702	WK	80.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour.	1,506.60	
		For >40 To 80 Hours Usage Per Week, Add	*602.64*	
		For >80 Hours Usage Per Week, Add	*1,205.28*	
01 22 23 00-0703	MO	80.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour.	3,766.50	
		For >160 To 320 Hours Usage Per Month, Add	*1,506.60*	
		For >320 Hours Usage Per Month, Add	*3,013.20*	
		For >6 Months (>26 Weeks), Deduct	*-150.66*	
01 22 23 00-0704	DAY	100.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour.	583.81	
		For >8 To 16 Hours Usage Per Day, Add	*233.52*	
		For >16 To 24 Hours Usage Per Day, Add	*467.05*	
01 22 23 00-0705	WK	100.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour.	1,569.38	
		For >40 To 80 Hours Usage Per Week, Add	*627.75*	
		For >80 Hours Usage Per Week, Add	*1,255.50*	
01 22 23 00-0706	MO	100.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour.	4,268.70	
		For >160 To 320 Hours Usage Per Month, Add	*1,707.48*	
		For >320 Hours Usage Per Month, Add	*3,414.96*	
		For >6 Months (>26 Weeks), Deduct	*-170.75*	
01 22 23 00-0707	DAY	120.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour.	659.14	
		For >8 To 16 Hours Usage Per Day, Add	*263.66*	
		For >16 To 24 Hours Usage Per Day, Add	*527.31*	
01 22 23 00-0708	WK	120.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour.	1,820.48	
		For >40 To 80 Hours Usage Per Week, Add	*728.19*	
		For >80 Hours Usage Per Week, Add	*1,456.38*	
01 22 23 00-0709	MO	120.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour.	4,896.45	
		For >160 To 320 Hours Usage Per Month, Add	*1,958.58*	
		For >320 Hours Usage Per Month, Add	*3,917.16*	
		For >6 Months (>26 Weeks), Deduct	*-195.86*	
01 22 23 00-0710	DAY	140.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour.	690.52	
		For >8 To 16 Hours Usage Per Day, Add	*276.21*	
		For >16 To 24 Hours Usage Per Day, Add	*552.42*	
01 22 23 00-0711	WK	140.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour.	1,914.64	
		For >40 To 80 Hours Usage Per Week, Add	*765.86*	
		For >80 Hours Usage Per Week, Add	*1,531.71*	
01 22 23 00-0712	MO	140.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour.	5,398.65	
		For >160 To 320 Hours Usage Per Month, Add	*2,159.46*	
		For >320 Hours Usage Per Month, Add	*4,318.92*	
		For >6 Months (>26 Weeks), Deduct	*-215.95*	
01 22 23 00-0713	DAY	150.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour.	721.91	
		For >8 To 16 Hours Usage Per Day, Add	*288.76*	
		For >16 To 24 Hours Usage Per Day, Add	*577.53*	
01 22 23 00-0714	WK	150.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour.	2,071.58	
		For >40 To 80 Hours Usage Per Week, Add	*828.63*	
		For >80 Hours Usage Per Week, Add	*1,657.26*	
01 22 23 00-0715	MO	150.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour.	5,649.75	
		For >160 To 320 Hours Usage Per Month, Add	*2,259.90*	
		For >320 Hours Usage Per Month, Add	*4,519.80*	
		For >6 Months (>26 Weeks), Deduct	*-225.99*	
01 22 23 00-0716	DAY	160.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour.	753.30	
		For >8 To 16 Hours Usage Per Day, Add	*301.32*	
		For >16 To 24 Hours Usage Per Day, Add	*602.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0717	WK	160.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour.	2,197.12	
		For >40 To 80 Hours Usage Per Week, Add	*878.85*	
		For >80 Hours Usage Per Week, Add	*1,757.70*	
01 22 23 00-0718	MO	160.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour.	5,900.85	
		For >160 To 320 Hours Usage Per Month, Add	*2,360.34*	
		For >320 Hours Usage Per Month, Add	*4,720.68*	
		For >6 Months (>26 Weeks), Deduct	*-236.03*	
01 22 23 00-0719	DAY	175.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour.	753.30	
		For >8 To 16 Hours Usage Per Day, Add	*301.32*	
		For >16 To 24 Hours Usage Per Day, Add	*602.64*	
01 22 23 00-0720	WK	175.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour.	2,197.12	
		For >40 To 80 Hours Usage Per Week, Add	*878.85*	
		For >80 Hours Usage Per Week, Add	*1,757.70*	
01 22 23 00-0721	MO	175.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour.	5,900.85	
		For >160 To 320 Hours Usage Per Month, Add	*2,360.34*	
		For >320 Hours Usage Per Month, Add	*4,720.68*	
		For >6 Months (>26 Weeks), Deduct	*-236.03*	
01 22 23 00-0722	DAY	200.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour.	1,035.79	
		For >8 To 16 Hours Usage Per Day, Add	*414.32*	
		For >16 To 24 Hours Usage Per Day, Add	*828.63*	
01 22 23 00-0723	WK	200.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour.	2,573.78	
		For >40 To 80 Hours Usage Per Week, Add	*1,029.51*	
		For >80 Hours Usage Per Week, Add	*2,059.02*	
01 22 23 00-0724	MO	200.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour.	7,533.00	
		For >160 To 320 Hours Usage Per Month, Add	*3,013.20*	
		For >320 Hours Usage Per Month, Add	*6,026.40*	
		For >6 Months (>26 Weeks), Deduct	*-301.32*	
01 22 23 00-0725	DAY	250.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour.	1,098.56	
		For >8 To 16 Hours Usage Per Day, Add	*439.42*	
		For >16 To 24 Hours Usage Per Day, Add	*878.85*	
01 22 23 00-0726	WK	250.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour.	2,636.55	
		For >40 To 80 Hours Usage Per Week, Add	*1,054.62*	
		For >80 Hours Usage Per Week, Add	*2,109.24*	
01 22 23 00-0727	MO	250.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour.	7,784.10	
		For >160 To 320 Hours Usage Per Month, Add	*3,113.64*	
		For >320 Hours Usage Per Month, Add	*6,227.28*	
		For >6 Months (>26 Weeks), Deduct	*-311.36*	
01 22 23 00-0728	DAY	275.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour.	1,161.34	
		For >8 To 16 Hours Usage Per Day, Add	*464.54*	
		For >16 To 24 Hours Usage Per Day, Add	*929.07*	
01 22 23 00-0729	WK	275.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour.	2,699.32	
		For >40 To 80 Hours Usage Per Week, Add	*1,079.73*	
		For >80 Hours Usage Per Week, Add	*2,159.46*	
01 22 23 00-0730	MO	275.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour.	8,035.20	
		For >160 To 320 Hours Usage Per Month, Add	*3,214.08*	
		For >320 Hours Usage Per Month, Add	*6,428.16*	
		For >6 Months (>26 Weeks), Deduct	*-321.41*	
01 22 23 00-0731	DAY	300.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour.	1,199.00	
		For >8 To 16 Hours Usage Per Day, Add	*479.60*	
		For >16 To 24 Hours Usage Per Day, Add	*959.20*	
01 22 23 00-0732	WK	300.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour.	2,887.65	
		For >40 To 80 Hours Usage Per Week, Add	*1,155.06*	
		For >80 Hours Usage Per Week, Add	*2,310.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0733	MO	300.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour.	8,537.40	
		For >160 To 320 Hours Usage Per Month, Add	*3,414.96*	
		For >320 Hours Usage Per Month, Add	*6,829.92*	
		For >6 Months (>26 Weeks), Deduct	*-341.50*	
01 22 23 00-0734	DAY	350.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour.	1,255.50	
		For >8 To 16 Hours Usage Per Day, Add	*502.20*	
		For >16 To 24 Hours Usage Per Day, Add	*1,004.40*	
01 22 23 00-0735	WK	350.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour.	3,264.30	
		For >40 To 80 Hours Usage Per Week, Add	*1,305.72*	
		For >80 Hours Usage Per Week, Add	*2,611.44*	
01 22 23 00-0736	MO	350.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour.	9,416.25	
		For >160 To 320 Hours Usage Per Month, Add	*3,766.50*	
		For >320 Hours Usage Per Month, Add	*7,533.00*	
		For >6 Months (>26 Weeks), Deduct	*-376.65*	
01 22 23 00-0737	DAY	400.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour.	2,097.46	
		For >8 To 16 Hours Usage Per Day, Add	*838.98*	
		For >16 To 24 Hours Usage Per Day, Add	*1,677.97*	
01 22 23 00-0738	WK	400.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour.	5,422.92	
		For >40 To 80 Hours Usage Per Week, Add	*2,169.17*	
		For >80 Hours Usage Per Week, Add	*4,338.34*	
01 22 23 00-0739	MO	400.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour.	14,341.60	
		For >160 To 320 Hours Usage Per Month, Add	*5,736.64*	
		For >320 Hours Usage Per Month, Add	*11,473.28*	
		For >6 Months (>26 Weeks), Deduct	*-573.66*	
01 22 23 00-0740	DAY	500.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour.	2,689.05	
		For >8 To 16 Hours Usage Per Day, Add	*1,075.62*	
		For >16 To 24 Hours Usage Per Day, Add	*2,151.24*	
01 22 23 00-0741	WK	500.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour.	6,991.53	
		For >40 To 80 Hours Usage Per Week, Add	*2,796.61*	
		For >80 Hours Usage Per Week, Add	*5,593.22*	
01 22 23 00-0742	MO	500.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour.	16,134.30	
		For >160 To 320 Hours Usage Per Month, Add	*6,453.72*	
		For >320 Hours Usage Per Month, Add	*12,907.44*	
		For >6 Months (>26 Weeks), Deduct	*-645.37*	
01 22 23 00-0743	DAY	640.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour.	3,325.46	
		For >8 To 16 Hours Usage Per Day, Add	*1,330.18*	
		For >16 To 24 Hours Usage Per Day, Add	*2,660.37*	
01 22 23 00-0744	WK	640.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour.	8,784.23	
		For >40 To 80 Hours Usage Per Week, Add	*3,513.69*	
		For >80 Hours Usage Per Week, Add	*7,027.38*	
01 22 23 00-0745	MO	640.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour.	21,512.40	
		For >160 To 320 Hours Usage Per Month, Add	*8,604.96*	
		For >320 Hours Usage Per Month, Add	*17,209.92*	
		For >6 Months (>26 Weeks), Deduct	*-860.50*	
01 22 23 00-0746	DAY	750.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour.	3,594.36	
		For >8 To 16 Hours Usage Per Day, Add	*1,437.74*	
		For >16 To 24 Hours Usage Per Day, Add	*2,875.49*	
01 22 23 00-0747	WK	750.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour.	8,282.27	
		For >40 To 80 Hours Usage Per Week, Add	*3,312.91*	
		For >80 Hours Usage Per Week, Add	*6,625.82*	
01 22 23 00-0748	MO	750.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour.	24,846.82	
		For >160 To 320 Hours Usage Per Month, Add	*9,938.73*	
		For >320 Hours Usage Per Month, Add	*19,877.46*	
		For >6 Months (>26 Weeks), Deduct	*-993.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0749	DAY	1,000.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 71.1 gallons per hour, 75% load - 52.1 gallons per hour, 50% load - 36.4 gallons per hour.	4,078.39	
		For >8 To 16 Hours Usage Per Day, Add	*1,631.36*	
		For >16 To 24 Hours Usage Per Day, Add	*3,262.71*	
01 22 23 00-0750	WK	1,000.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 71.1 gallons per hour, 75% load - 52.1 gallons per hour, 50% load - 36.4 gallons per hour.	10,657.60	
		For >40 To 80 Hours Usage Per Week, Add	*4,263.04*	
		For >80 Hours Usage Per Week, Add	*8,526.08*	
01 22 23 00-0751	MO	1,000.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 71.1 gallons per hour, 75% load - 52.1 gallons per hour, 50% load - 36.4 gallons per hour.	29,194.12	
		For >160 To 320 Hours Usage Per Month, Add	*11,677.65*	
		For >320 Hours Usage Per Month, Add	*23,355.30*	
		For >6 Months (>26 Weeks), Deduct	*-1,167.76*	
01 22 23 00-0752	DAY	1,500.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 106.5 gallons per hour, 75% load - 77.8 gallons per hour, 50% load - 54.3 gallons per hour.	5,378.10	
		For >8 To 16 Hours Usage Per Day, Add	*2,151.24*	
		For >16 To 24 Hours Usage Per Day, Add	*4,302.48*	
01 22 23 00-0753	WK	1,500.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 106.5 gallons per hour, 75% load - 77.8 gallons per hour, 50% load - 54.3 gallons per hour.	16,134.30	
		For >40 To 80 Hours Usage Per Week, Add	*6,453.72*	
		For >80 Hours Usage Per Week, Add	*12,907.44*	
01 22 23 00-0754	MO	1,500.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 106.5 gallons per hour, 75% load - 77.8 gallons per hour, 50% load - 54.3 gallons per hour.	46,260.62	
		For >160 To 320 Hours Usage Per Month, Add	*18,504.25*	
		For >320 Hours Usage Per Month, Add	*37,008.50*	
01 22 23 00-0755	DAY	2,000.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 141.9 gallons per hour, 75% load - 103.5 gallons per hour, 50% load - 72.2 gallons per hour.	7,090.13	
		For >8 To 16 Hours Usage Per Day, Add	*2,836.05*	
		For >16 To 24 Hours Usage Per Day, Add	*5,672.10*	
01 22 23 00-0756	WK	2,000.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 141.9 gallons per hour, 75% load - 103.5 gallons per hour, 50% load - 72.2 gallons per hour.	17,729.80	
		For >40 To 80 Hours Usage Per Week, Add	*7,091.92*	
		For >80 Hours Usage Per Week, Add	*14,183.84*	
01 22 23 00-0757	MO	2,000.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 141.9 gallons per hour, 75% load - 103.5 gallons per hour, 50% load - 72.2 gallons per hour.	48,402.90	
		For >160 To 320 Hours Usage Per Month, Add	*19,361.16*	
		For >320 Hours Usage Per Month, Add	*38,722.32*	
		For >6 Months (>26 Weeks), Deduct	*-1,936.12*	
01 22 23 00-0758	EA	Up To 300 KW Generator Set Delivery, Set-Up, Testing And Pick-up	1,005.55	
01 22 23 00-0759	EA	350 To 750 KW Generator Set Delivery, Set-Up, Testing And Pick-up	1,634.46	
01 22 23 00-0760	EA	1,000 To 2,000 KW Generator Set Delivery, Set-Up, Testing And Pick-up	2,766.71	

01 22 23 00-0761 Generator Accessories *(01 22 23 00-0668)*

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-0762 Step Down Transformer *(01 22 23 00-0761)*

01 22 23 00-0763	WK	75 KVA, 480-208 Volt, Step Down Transformer	370.37	
01 22 23 00-0764	MO	75 KVA, 480-208 Volt, Step Down Transformer	1,035.79	
		For >6 Months (>26 Weeks), Deduct	*-41.43*	
01 22 23 00-0765	WK	150 KVA, 480-208 Volt, Step Down Transformer	593.85	
01 22 23 00-0766	MO	150 KVA, 480-208 Volt, Step Down Transformer	1,780.30	
		For >6 Months (>26 Weeks), Deduct	*-71.21*	
01 22 23 00-0767	WK	225 KVA, 480-208 Volt, Step Down Transformer	790.96	
01 22 23 00-0768	MO	225 KVA, 480-208 Volt, Step Down Transformer	2,372.90	
		For >6 Months (>26 Weeks), Deduct	*-94.92*	
01 22 23 00-0769	WK	500 KVA, 480-208 Volt, Step Down Transformer	941.62	
01 22 23 00-0770	MO	500 KVA, 480-208 Volt, Step Down Transformer	2,824.88	
		For >6 Months (>26 Weeks), Deduct	*-113.00*	
01 22 23 00-0771	WK	1,000 KVA, 4,160/480 Volt, Step Down Transformer	1,406.16	
01 22 23 00-0772	MO	1,000 KVA, 4,160/480 Volt, Step Down Transformer	4,199.65	
		For >6 Months (>26 Weeks), Deduct	*-167.99*	
01 22 23 00-0773	WK	1,500 KVA, 4,160/480 Volt, Step Down Transformer	2,285.01	
01 22 23 00-0774	MO	1,500 KVA, 4,160/480 Volt, Step Down Transformer	6,848.75	
		For >6 Months (>26 Weeks), Deduct	*-273.95*	
01 22 23 00-0775	WK	2,500 KVA, 480-13,800/4,160 Volt, Step Down Transformer	2,636.55	
01 22 23 00-0776	MO	2,500 KVA, 480-13,800/4,160 Volt, Step Down Transformer	7,909.65	
		For >6 Months (>26 Weeks), Deduct	*-316.39*	

01 22 23 00-0777 Portable Panel *(01 22 23 00-0761)*

01 22 23 00-0778	WK	100 Amperes, Portable Panel	295.04	
01 22 23 00-0779	MO	100 Amperes, Portable Panel	753.30	
		For >6 Months (>26 Weeks), Deduct	*-30.13*	
01 22 23 00-0780	WK	200 Amperes, Portable Panel	352.80	

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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0781	MO	200 Amperes, Portable Panel	941.62	
		For >6 Months (>26 Weeks), Deduct	*-37.66*	
01 22 23 00-0782	WK	400 Amperes, Portable Panel	376.65	
01 22 23 00-0783	MO	400 Amperes, Portable Panel	1,129.95	
		For >6 Months (>26 Weeks), Deduct	*-45.20*	

01 22 23 00-0784 Portable Fusible Disconnect *(01 22 23 00-0761)*

01 22 23 00-0785	WK	100 - 200 Amperes, Portable Fusible Disconnect	131.83	
01 22 23 00-0786	MO	100 - 200 Amperes, Portable Fusible Disconnect	395.48	
		For >6 Months (>26 Weeks), Deduct	*-15.82*	
01 22 23 00-0787	WK	300 - 400 Amperes, Portable Fusible Disconnect	263.66	
01 22 23 00-0788	MO	300 - 400 Amperes, Portable Fusible Disconnect	790.96	
		For >6 Months (>26 Weeks), Deduct	*-31.64*	

01 22 23 00-0789 Portable Transfer Switch *(01 22 23 00-0761)*

01 22 23 00-0790	WK	100 Amperes, 480 Volt, Portable Transfer Switch	395.48	
01 22 23 00-0791	MO	100 Amperes, 480 Volt, Portable Transfer Switch	1,186.45	
		For >6 Months (>26 Weeks), Deduct	*-47.46*	
01 22 23 00-0792	WK	200 Amperes, 480 Volt, Portable Transfer Switch	527.31	
01 22 23 00-0793	MO	200 Amperes, 480 Volt, Portable Transfer Switch	1,581.93	
		For >6 Months (>26 Weeks), Deduct	*-63.28*	
01 22 23 00-0794	WK	400 Amperes, 480 Volt, Portable Transfer Switch	659.14	
01 22 23 00-0795	MO	400 Amperes, 480 Volt, Portable Transfer Switch	1,977.41	
		For >6 Months (>26 Weeks), Deduct	*-79.10*	

01 22 23 00-0796 Cabling For Generator Sets *(01 22 23 00-0668)*

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-0797	DAY	#1 Banded Cable, 50' With Camlock Ends For Generator Set	27.62	
		For Half Day Usage, Deduct	*-8.63*	
01 22 23 00-0798	WK	#1 Banded Cable, 50' With Camlock Ends For Generator Set	48.34	
01 22 23 00-0799	MO	#1 Banded Cable, 50' With Camlock Ends For Generator Set	145.01	
		For >6 Months (>26 Weeks), Deduct	*-5.80*	
01 22 23 00-0800	DAY	50', 4/0 Cable With Camlock Ends For Generator Set	13.81	
		For Half Day Usage, Deduct	*-4.32*	
01 22 23 00-0801	WK	50', 4/0 Cable With Camlock Ends For Generator Set	40.18	
01 22 23 00-0802	MO	50', 4/0 Cable With Camlock Ends For Generator Set	111.74	
		For >6 Months (>26 Weeks), Deduct	*-4.47*	

01 22 23 00-0803 Resistive Load Banks For Generator Sets *(01 22 23 00-0668)*

Note: Includes delivery to job site and pick-up when complete. See CSI section 01 22 23 00-0824 for reimbursable fuel fees.

01 22 23 00-0804	DAY	100 KW A/C Resistive Load Bank	371.52	
01 22 23 00-0805	WK	100 KW A/C Resistive Load Bank	706.62	
01 22 23 00-0806	MO	100 KW A/C Resistive Load Bank	1,930.46	
		For >6 Months (>26 Weeks), Deduct	*-77.22*	
01 22 23 00-0807	DAY	650 KW A/C Resistive Load Bank	747.62	
01 22 23 00-0808	WK	650 KW A/C Resistive Load Bank	1,999.32	
01 22 23 00-0809	MO	650 KW A/C Resistive Load Bank	5,097.41	
		For >6 Months (>26 Weeks), Deduct	*-203.90*	

01 22 23 00-0810 Sub-Distribution Panels (Spider Box) For Generator Sets *(01 22 23 00-0668)*

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-0811	DAY	50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box)	67.80	
		For Half Day Usage, Deduct	*-21.19*	
01 22 23 00-0812	WK	50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box)	175.77	
01 22 23 00-0813	MO	50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box)	495.92	
		For >6 Months (>26 Weeks), Deduct	*-19.84*	

01 22 23 00-0814 Portable Distribution Panels For Generator Sets *(01 22 23 00-0668)*

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-0815	DAY	200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel	150.66	
		For Half Day Usage, Deduct	*-47.08*	
01 22 23 00-0816	WK	200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel	408.04	
01 22 23 00-0817	MO	200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel	1,142.50	
		For >6 Months (>26 Weeks), Deduct	*-45.70*	
01 22 23 00-0818	DAY	100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel	123.04	
		For Half Day Usage, Deduct	*-38.45*	
01 22 23 00-0819	WK	100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel	320.15	
01 22 23 00-0820	MO	100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel	910.24	
		For >6 Months (>26 Weeks), Deduct	*-36.41*	
01 22 23 00-0821	DAY	200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel	156.94	
		For Half Day Usage, Deduct	*-49.04*	
01 22 23 00-0822	WK	200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel	395.48	
01 22 23 00-0823	MO	200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel	1,073.45	
		For >6 Months (>26 Weeks), Deduct	*-42.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0824		**Fuel Reimbursement For Generators** *(01 22 23 00-0668)*		
01 22 23 00-0825	EA	Fuel Reimbursement For Generators Note: Purchases made by the contractor for fuel will be reimbursed to the Contractor at the actual cost of the purchase, without mark-up, for which a receipt or bill is received. The Adjustment Factor applied to Reimbursable Fees will be 1.0000. The base cost of the purchase is $1.00, quantity will adjust cost to actual purchase cost; i.e., quantity of 125 = $125.00 purchase. If there are multiple purchases, each one shall be listed separately with a comment in the "note" block to identify the purchase.	1.00	
01 22 23 00-0826		**Welding Machines** *(01 22 23 00-0653)* Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0827		**Diesel Powered Towable Welding Machines** *(01 22 23 00-0826)* Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0828	DAY	250 To 299 Amperes, Diesel Powered Towable Welding Machine	174.49	
		For Half Day Usage, Deduct	*-54.53*	
01 22 23 00-0829	WK	250 To 299 Amperes, Diesel Powered Towable Welding Machine	426.54	
01 22 23 00-0830	MO	250 To 299 Amperes, Diesel Powered Towable Welding Machine	1,017.87	
		For >6 Months (>26 Weeks), Deduct	*-40.71*	
01 22 23 00-0831	DAY	300 To 349 Amperes, Diesel Powered Towable Welding Machine	232.66	
		For Half Day Usage, Deduct	*-72.71*	
01 22 23 00-0832	WK	300 To 349 Amperes, Diesel Powered Towable Welding Machine	455.62	
01 22 23 00-0833	MO	300 To 349 Amperes, Diesel Powered Towable Welding Machine	1,064.40	
		For >6 Months (>26 Weeks), Deduct	*-42.58*	
01 22 23 00-0834	DAY	350 To 399 Amperes, Diesel Powered Towable Welding Machine	242.35	
		For Half Day Usage, Deduct	*-75.73*	
01 22 23 00-0835	WK	350 To 399 Amperes, Diesel Powered Towable Welding Machine	484.70	
01 22 23 00-0836	MO	350 To 399 Amperes, Diesel Powered Towable Welding Machine	1,182.67	
		For >6 Months (>26 Weeks), Deduct	*-47.31*	
01 22 23 00-0837		**CC/CV Inverter Welder** *(01 22 23 00-0826)* Note: Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0824 for reimbursable fuel fees.		
01 22 23 00-0838	DAY	250 Amperes, CC Inverter Welder	54.29	
		For Half Day Usage, Deduct	*-16.97*	
01 22 23 00-0839	WK	250 Amperes, CC Inverter Welder	118.27	
01 22 23 00-0840	MO	250 Amperes, CC Inverter Welder	358.68	
		For >6 Months (>26 Weeks), Deduct	*-14.35*	
01 22 23 00-0841	DAY	300 Amperes, CC/CV Inverter Welder	62.04	
		For Half Day Usage, Deduct	*-19.39*	
01 22 23 00-0842	WK	300 Amperes, CC/CV Inverter Welder	164.80	
01 22 23 00-0843	MO	300 Amperes, CC/CV Inverter Welder	436.23	
		For >6 Months (>26 Weeks), Deduct	*-17.45*	
01 22 23 00-0844	DAY	350 Amperes, CC/CV Inverter Welder	63.98	
		For Half Day Usage, Deduct	*-19.99*	
01 22 23 00-0845	WK	350 Amperes, CC/CV Inverter Welder	168.68	
01 22 23 00-0846	MO	350 Amperes, CC/CV Inverter Welder	475.01	
		For >6 Months (>26 Weeks), Deduct	*-19.00*	
01 22 23 00-0847		**MIG Welder** *(01 22 23 00-0826)* Note: Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0824 for reimbursable fuel fees.		
01 22 23 00-0848	DAY	115 Volt MIG Welder	93.06	
		For Half Day Usage, Deduct	*-29.08*	
01 22 23 00-0849	WK	115 Volt MIG Welder	242.35	
01 22 23 00-0850	MO	115 Volt MIG Welder	659.19	
		For >6 Months (>26 Weeks), Deduct	*-26.37*	
01 22 23 00-0851		**Portable Floor Drying Fans** *(01 22 23 00-0653)* Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0852	DAY	2,250 CFM Portable Floor Drying Fan	23.67	
		For Half Day Usage, Deduct	*-7.40*	
01 22 23 00-0853	WK	2,250 CFM Portable Floor Drying Fan	109.48	
01 22 23 00-0854	MO	2,250 CFM Portable Floor Drying Fan	362.48	
		For >6 Months (>26 Weeks), Deduct	*-14.50*	
01 22 23 00-0855		**General Equipment** *(01 22 23)*		
01 22 23 00-0856		**Jacks And Bracing** *(01 22 23 00-0855)* Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0857		**Manual Hydraulic Jacks** *(01 22 23 00-0856)*		
01 22 23 00-0858	DAY	12 Ton Manual Hydraulic Bottle Jack	1.67	
		For Half Day Usage, Deduct	*-0.52*	
01 22 23 00-0859	WK	12 Ton Manual Hydraulic Bottle Jack	7.93	
01 22 23 00-0860	MO	12 Ton Manual Hydraulic Bottle Jack	28.50	
		For >6 Months (>26 Weeks), Deduct	*-1.14*	
01 22 23 00-0861	DAY	20 Ton Manual Hydraulic Bottle Jack	2.92	
		For Half Day Usage, Deduct	*-0.91*	
01 22 23 00-0862	WK	20 Ton Manual Hydraulic Bottle Jack	9.18	
01 22 23 00-0863	MO	20 Ton Manual Hydraulic Bottle Jack	34.76	
		For >6 Months (>26 Weeks), Deduct	*-1.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0864	DAY	50 Ton Manual Hydraulic Bottle Jack	10.43	
		For Half Day Usage, Deduct	*-3.26*	
01 22 23 00-0865	WK	50 Ton Manual Hydraulic Bottle Jack	40.49	
01 22 23 00-0866	MO	50 Ton Manual Hydraulic Bottle Jack	145.66	
		For >6 Months (>26 Weeks), Deduct	*-5.83*	
01 22 23 00-0867	DAY	100 Ton Manual Hydraulic Bottle Jack	14.61	
		For Half Day Usage, Deduct	*-4.57*	
01 22 23 00-0868	WK	100 Ton Manual Hydraulic Bottle Jack	58.43	
01 22 23 00-0869	MO	100 Ton Manual Hydraulic Bottle Jack	210.46	
		For >6 Months (>26 Weeks), Deduct	*-8.42*	

01 22 23 00-0870 Manual Screw Jacks *(01 22 23 00-0856)*

01 22 23 00-0871	DAY	10 To 20 Ton Manual Screw Jack	19.16	
		For Half Day Usage, Deduct	*-5.99*	
01 22 23 00-0872	WK	10 To 20 Ton Manual Screw Jack	50.71	
01 22 23 00-0873	MO	10 To 20 Ton Manual Screw Jack	152.12	
		For >6 Months (>26 Weeks), Deduct	*-6.08*	

01 22 23 00-0874 Shores/Braces *(01 22 23 00-0856)*

01 22 23 00-0875	MO	Up To 5' Height, Adjustable Tubular Steel Shoring	15.78	
01 22 23 00-0876	MO	Up To 10' Height, Adjustable Tubular Steel Shoring	20.28	
01 22 23 00-0877	MO	>10' To 16' Height, Adjustable Tubular Steel Shoring	27.04	
01 22 23 00-0878	MO	Up To 10' Height, Adjustable Wood Shoring	5.60	
01 22 23 00-0879	MO	>10' To 16' Height, Adjustable Wood Shoring	7.47	
01 22 23 00-0880	EA	Erect And Strip Shores To 10'	12.45	
		For >20 To 50, Deduct	*-1.87*	
		For >50 To 100, Deduct	*-4.36*	
		For >100, Deduct	*-6.85*	
01 22 23 00-0881	EA	Erect And Strip Shores To 13'	14.94	
		For >20 To 50, Deduct	*-2.24*	
		For >50 To 100, Deduct	*-5.23*	
		For >100, Deduct	*-8.22*	
01 22 23 00-0882	EA	Erect And Strip Shores To 16'	17.43	
		For >20 To 50, Deduct	*-2.61*	
		For >50 To 100, Deduct	*-6.10*	
		For >100, Deduct	*-9.59*	

01 22 23 00-0883 Pressure Washers *(01 22 23 00-0855)*

Note: Includes delivery to job site, pick-up when complete and full time operator.

01 22 23 00-0884	DAY	2,000 PSI Pressure Washer With Full-Time Operator	900.07	
		For Equipment Without Operator, Deduct	*-791.94*	
		For Half Day Usage, Deduct	*-429.76*	
01 22 23 00-0885	WK	2,000 PSI Pressure Washer With Full-Time Operator	4,234.16	
		For Equipment Without Operator, Deduct	*-3,959.68*	
01 22 23 00-0886	MO	2,000 PSI Pressure Washer With Full-Time Operator	17,857.30	
		For Equipment Without Operator, Deduct	*-17,158.63*	
		For >6 Months (>26 Weeks), Deduct	*-27.95*	
01 22 23 00-0887	DAY	2,500 PSI Pressure Washer With Full-Time Operator	900.07	
		For Equipment Without Operator, Deduct	*-791.94*	
		For Half Day Usage, Deduct	*-429.76*	
01 22 23 00-0888	WK	2,500 PSI Pressure Washer With Full-Time Operator	4,234.16	
		For Equipment Without Operator, Deduct	*-3,959.68*	
01 22 23 00-0889	MO	2,500 PSI Pressure Washer With Full-Time Operator	17,857.30	
		For Equipment Without Operator, Deduct	*-17,158.63*	
		For >6 Months (>26 Weeks), Deduct	*-27.95*	
01 22 23 00-0890	DAY	3,000 PSI Pressure Washer With Full-Time Operator	900.07	
		For Equipment Without Operator, Deduct	*-791.94*	
		For Half Day Usage, Deduct	*-429.76*	
01 22 23 00-0891	WK	3,000 PSI Pressure Washer With Full-Time Operator	4,234.16	
		For Equipment Without Operator, Deduct	*-3,959.68*	
01 22 23 00-0892	MO	3,000 PSI Pressure Washer With Full-Time Operator	17,857.30	
		For Equipment Without Operator, Deduct	*-17,158.63*	
		For >6 Months (>26 Weeks), Deduct	*-27.95*	
01 22 23 00-0893	DAY	3,500 PSI Pressure Washer With Full-Time Operator	908.38	
		For Equipment Without Operator, Deduct	*-791.94*	
		For Half Day Usage, Deduct	*-432.36*	
01 22 23 00-0894	WK	3,500 PSI Pressure Washer With Full-Time Operator	4,259.11	
		For Equipment Without Operator, Deduct	*-3,959.68*	
01 22 23 00-0895	MO	3,500 PSI Pressure Washer With Full-Time Operator	17,923.84	
		For Equipment Without Operator, Deduct	*-17,158.63*	
		For >6 Months (>26 Weeks), Deduct	*-30.61*	
01 22 23 00-0896	DAY	4,000 PSI Pressure Washer With Full-Time Operator	941.66	
		For Equipment Without Operator, Deduct	*-791.94*	
		For Half Day Usage, Deduct	*-442.76*	
01 22 23 00-0897	WK	4,000 PSI Pressure Washer With Full-Time Operator	4,367.24	
		For Equipment Without Operator, Deduct	*-3,959.68*	
01 22 23 00-0898	MO	4,000 PSI Pressure Washer With Full-Time Operator	18,298.13	
		For Equipment Without Operator, Deduct	*-17,158.63*	
		For >6 Months (>26 Weeks), Deduct	*-45.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0899	DAY	5,000 PSI Pressure Washer With Full-Time Operator	958.29	
		For Equipment Without Operator, Deduct	*-791.94*	
		For Half Day Usage, Deduct	*-447.95*	
01 22 23 00-0900	WK	5,000 PSI Pressure Washer With Full-Time Operator	4,408.82	
		For Equipment Without Operator, Deduct	*-3,959.68*	
01 22 23 00-0901	MO	5,000 PSI Pressure Washer With Full-Time Operator	18,422.89	
		For Equipment Without Operator, Deduct	*-17,158.63*	
		For >6 Months (>26 Weeks), Deduct	*-50.57*	

01 22 23 00-0902 Confined Space Entry Equipment *(01 22 23 00-0855)*

Note: Includes delivery to job site, set-up, and pick-up when complete.

01 22 23 00-0903	DAY	Ventilation Equipment For Confined Space Note: Includes electric or gas blower and ventilation duct up to 25'.	49.15	
		For Half Day Usage, Deduct	*-15.36*	
01 22 23 00-0904	WK	Ventilation Equipment For Confined Space Note: Includes electric or gas blower and ventilation duct up to 25'.	147.45	
01 22 23 00-0905	MO	Ventilation Equipment For Confined Space Note: Includes electric or gas blower and ventilation duct up to 25'.	440.00	
		For >6 Months (>26 Weeks), Deduct	*-17.60*	
01 22 23 00-0906	DAY	Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	66.13	
		For Half Day Usage, Deduct	*-20.67*	
01 22 23 00-0907	WK	Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	198.38	
01 22 23 00-0908	MO	Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	595.14	
		For >6 Months (>26 Weeks), Deduct	*-23.81*	
01 22 23 00-0909	DAY	Confined Space Air Monitor Personnel Note: Per person day.	791.94	
		For Half Day Usage, Deduct	*-395.97*	
01 22 23 00-0910	WK	15' Long Ventilation Hose For Confined Space	44.37	
01 22 23 00-0911	MO	15' Long Ventilation Hose For Confined Space	147.90	
		For >6 Months (>26 Weeks), Deduct	*-5.92*	

01 22 23 00-0912 High Volume Vacuums *(01 22 23 00-0855)*

Note: Includes delivery to job site, set-up, pick-up when complete and full time operator.

01 22 23 00-0913	DAY	500 Gallon High Volume Vacuum With Full-Time Operator	1,572.74	
		For Equipment Without Operator, Deduct	*-985.82*	
		For Half Day Usage, Deduct	*-676.32*	
01 22 23 00-0914	WK	500 Gallon High Volume Vacuum With Full-Time Operator	6,572.51	
		For Equipment Without Operator, Deduct	*-4,929.12*	
01 22 23 00-0915	MO	500 Gallon High Volume Vacuum With Full-Time Operator	26,994.00	
		For Equipment Without Operator, Deduct	*-21,359.52*	
		For >6 Months (>26 Weeks), Deduct	*-225.38*	

01 22 23 00-0916 Portable Dehumidifiers *(01 22 23 00-0855)*

Note: Includes delivery to job site, set-up, and pick-up when complete. Excludes operator.

01 22 23 00-0917	DAY	7.5 To 10 Gallons Per Day, Portable Dehumidifier	189.49	
		For Half Day Usage, Deduct	*-59.22*	
01 22 23 00-0918	WK	7.5 To 10 Gallons Per Day, Portable Dehumidifier	609.08	
01 22 23 00-0919	MO	7.5 To 10 Gallons Per Day, Portable Dehumidifier	1,854.30	
		For >6 Months (>26 Weeks), Deduct	*-74.17*	
01 22 23 00-0920	DAY	16 To 25 Gallons Per Day, Portable Dehumidifier	338.38	
		For Half Day Usage, Deduct	*-105.74*	
01 22 23 00-0921	WK	16 To 25 Gallons Per Day, Portable Dehumidifier	1,015.12	
01 22 23 00-0922	MO	16 To 25 Gallons Per Day, Portable Dehumidifier	2,368.62	
		For >6 Months (>26 Weeks), Deduct	*-94.74*	

01 22 23 00-0923 Direct Fired Space Heaters *(01 22 23 00-0855)*

Note: Includes delivery to job site, set-up, and pick-up when complete. Excludes operator.

01 22 23 00-0924	DAY	150,000 BTU/Hour Space Heater	60.92	
		For Half Day Usage, Deduct	*-19.04*	
01 22 23 00-0925	WK	150,000 BTU/Hour Space Heater	175.14	
01 22 23 00-0926	MO	150,000 BTU/Hour Space Heater	494.98	
		For >6 Months (>26 Weeks), Deduct	*-19.80*	
01 22 23 00-0927	DAY	500,000 BTU/Hour Space Heater	129.46	
		For Half Day Usage, Deduct	*-40.46*	
01 22 23 00-0928	WK	500,000 BTU/Hour Space Heater	319.83	
01 22 23 00-0929	MO	500,000 BTU/Hour Space Heater	808.71	
		For >6 Months (>26 Weeks), Deduct	*-32.35*	

01 22 23 00-0930 Mowers *(01 22 23 00-0855)*

Note: Includes delivery to job site and pick-up when complete. Excludes operator.

01 22 23 00-0931	DAY	21" Walk Behind Lawn Mower	96.73	
		For Half Day Usage, Deduct	*-30.23*	
01 22 23 00-0932	WK	21" Walk Behind Lawn Mower	278.10	
01 22 23 00-0933	MO	21" Walk Behind Lawn Mower	568.30	
		For >6 Months (>26 Weeks), Deduct	*-22.73*	
01 22 23 00-0934	DAY	32" Walk Behind Lawn Mower	120.92	
		For Half Day Usage, Deduct	*-37.79*	
01 22 23 00-0935	WK	32" Walk Behind Lawn Mower	290.20	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0936	MO	32" Walk Behind Lawn Mower	604.58	
		For >6 Months (>26 Weeks), Deduct	*-24.18*	
01 22 23 00-0937	DAY	36" To 48" Walk Behind Deck Mower	217.65	
		For Half Day Usage, Deduct	*-68.02*	
01 22 23 00-0938	WK	36" To 48" Walk Behind Deck Mower	604.58	
01 22 23 00-0939	MO	36" To 48" Walk Behind Deck Mower	1,753.27	
		For >6 Months (>26 Weeks), Deduct	*-70.13*	
01 22 23 00-0940	DAY	61" To 72" Walk Behind Deck Mower	217.65	
		For Half Day Usage, Deduct	*-68.02*	
01 22 23 00-0941	WK	61" To 72" Walk Behind Deck Mower	604.58	
01 22 23 00-0942	MO	61" To 72" Walk Behind Deck Mower	1,753.27	
		For >6 Months (>26 Weeks), Deduct	*-70.13*	
01 22 23 00-0943		**Trailer Mounted Brush Chipper** *(01 22 23 00-0855)*		
		Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0944	DAY	4" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	187.47	
		For Half Day Usage, Deduct	*-58.58*	
01 22 23 00-0945	WK	4" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	448.30	
01 22 23 00-0946	MO	4" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	1,377.52	
		For >6 Months (>26 Weeks), Deduct	*-55.10*	
01 22 23 00-0947	DAY	6" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	244.53	
		For Half Day Usage, Deduct	*-76.42*	
01 22 23 00-0948	WK	6" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	551.01	
01 22 23 00-0949	MO	6" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	1,467.18	
		For >6 Months (>26 Weeks), Deduct	*-58.69*	
01 22 23 00-0950	DAY	9" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	456.46	
		For Half Day Usage, Deduct	*-142.64*	
01 22 23 00-0951	WK	9" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	1,027.03	
01 22 23 00-0952	MO	9" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	2,738.74	
		For >6 Months (>26 Weeks), Deduct	*-109.55*	
01 22 23 00-0953	DAY	12" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	613.26	
		For Half Day Usage, Deduct	*-191.64*	
01 22 23 00-0954	WK	12" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	1,379.84	
01 22 23 00-0955	MO	12" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	3,679.56	
		For >6 Months (>26 Weeks), Deduct	*-147.18*	
01 22 23 00-0956		**Marine Equipment** *(01 22 23)*		
01 22 23 00-0957		**Barge And Tug Boat Rental** *(01 22 23 00-0956)*		
01 22 23 00-0958	DAY	50' Deck Cargo Barge	1,194.98	
		For Half Day Usage, Deduct	*-373.43*	
01 22 23 00-0959	DAY	90' Deck Cargo Barge	1,696.45	
		For Half Day Usage, Deduct	*-530.14*	
01 22 23 00-0960	DAY	160' Deck Cargo Barge	2,496.66	
		For Half Day Usage, Deduct	*-780.21*	
01 22 23 00-0961	DAY	200' Deck Cargo Barge	3,787.67	
		For Half Day Usage, Deduct	*-1,183.65*	
01 22 23 00-0962	DAY	Barge Rental With Mounted Crane And Full-time Operator	2,758.57	
		Note: Including barge.		
		For Half Day Usage, Deduct	*-1,047.62*	
01 22 23 00-0963	HR	250 HP Tug Boat With Operator	245.22	
01 22 23 00-0964	HR	400 HP Tug Boat With Operator	441.00	
01 22 23 00-0965	HR	500 To 800 HP Tug Boat With Operator	553.52	
01 22 23 00-0966	HR	16' Work Boat With Operator	134.03	
01 22 23 00-0967	HR	48' Work Boat With Operator	432.66	
01 22 23 00-0968		**Material Handling Equipment** *(01 22 23)*		
01 22 23 00-0969		**Truck Mounted Hydraulic Cranes** *(01 22 23 00-0968)*		
		Note: Includes full-time operator, delivery, set-up, rigging, all necessary counter weights and removal time in rental period. Excludes lattice boom extension.		
01 22 23 00-0970	DAY	6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,497.67	
		For Equipment Without Operator, Deduct	*-1,006.71*	
		For Half Day Usage, Deduct	*-656.78*	
01 22 23 00-0971	WK	6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	6,520.85	
		For Equipment Without Operator, Deduct	*-5,033.53*	
01 22 23 00-0972	MO	6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	26,288.37	
		For Equipment Without Operator, Deduct	*-21,811.97*	
		For >6 Months (>26 Weeks), Deduct	*-179.06*	
01 22 23 00-0973	DAY	8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,627.63	
		For Equipment Without Operator, Deduct	*-1,006.71*	
		For Half Day Usage, Deduct	*-697.39*	
01 22 23 00-0974	WK	8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	6,907.12	
		For Equipment Without Operator, Deduct	*-5,033.53*	
01 22 23 00-0975	MO	8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	27,443.57	
		For Equipment Without Operator, Deduct	*-21,811.97*	
		For >6 Months (>26 Weeks), Deduct	*-225.26*	
01 22 23 00-0976	DAY	14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,757.59	
		For Equipment Without Operator, Deduct	*-1,006.71*	
		For Half Day Usage, Deduct	*-738.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0977	WK	14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	7,293.39	
		For Equipment Without Operator, Deduct	*-5,033.53*	
01 22 23 00-0978	MO	14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	28,598.77	
		For Equipment Without Operator, Deduct	*-21,811.97*	
		For >6 Months (>26 Weeks), Deduct	*-271.47*	
01 22 23 00-0979	DAY	20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,930.87	
		For Equipment Without Operator, Deduct	*-1,006.71*	
		For Half Day Usage, Deduct	*-792.16*	
01 22 23 00-0980	WK	20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	7,813.23	
		For Equipment Without Operator, Deduct	*-5,033.53*	
01 22 23 00-0981	MO	20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	30,151.07	
		For Equipment Without Operator, Deduct	*-21,811.97*	
		For >6 Months (>26 Weeks), Deduct	*-333.56*	
01 22 23 00-0982	DAY	30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,089.71	
		For Equipment Without Operator, Deduct	*-1,006.71*	
		For Half Day Usage, Deduct	*-841.79*	
01 22 23 00-0983	WK	30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	8,889.01	
		For Equipment Without Operator, Deduct	*-5,033.53*	
01 22 23 00-0984	MO	30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	33,375.52	
		For Equipment Without Operator, Deduct	*-21,811.97*	
		For >6 Months (>26 Weeks), Deduct	*-462.54*	
01 22 23 00-0985	DAY	40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,465.15	
		For Equipment Without Operator, Deduct	*-1,006.71*	
		For Half Day Usage, Deduct	*-959.12*	
01 22 23 00-0986	WK	40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	10,231.93	
		For Equipment Without Operator, Deduct	*-5,033.53*	
01 22 23 00-0987	MO	40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	37,407.17	
		For Equipment Without Operator, Deduct	*-21,811.97*	
		For >6 Months (>26 Weeks), Deduct	*-623.81*	
01 22 23 00-0988	DAY	50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,703.41	
		For Equipment Without Operator, Deduct	*-1,006.71*	
		For Half Day Usage, Deduct	*-1,033.57*	
01 22 23 00-0989	WK	50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	11,069.45	
		For Equipment Without Operator, Deduct	*-5,033.53*	
01 22 23 00-0990	MO	50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	39,925.51	
		For Equipment Without Operator, Deduct	*-21,811.97*	
		For >6 Months (>26 Weeks), Deduct	*-724.54*	
01 22 23 00-0991	DAY	60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,891.13	
		For Equipment Without Operator, Deduct	*-1,006.71*	
		For Half Day Usage, Deduct	*-1,092.24*	
01 22 23 00-0992	WK	60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	11,748.13	
		For Equipment Without Operator, Deduct	*-5,033.53*	
01 22 23 00-0993	MO	60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	41,958.66	
		For Equipment Without Operator, Deduct	*-21,811.97*	
		For >6 Months (>26 Weeks), Deduct	*-805.87*	
01 22 23 00-0994	DAY	70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	3,078.85	
		For Equipment Without Operator, Deduct	*-1,006.71*	
		For Half Day Usage, Deduct	*-1,150.90*	
01 22 23 00-0995	WK	70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	12,426.81	
		For Equipment Without Operator, Deduct	*-5,033.53*	
01 22 23 00-0996	MO	70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	43,991.81	
		For Equipment Without Operator, Deduct	*-21,811.97*	
		For >6 Months (>26 Weeks), Deduct	*-887.19*	
01 22 23 00-0997	DAY	85 To 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	3,201.59	
		For Equipment Without Operator, Deduct	*-1,006.71*	
		For Half Day Usage, Deduct	*-1,189.26*	
01 22 23 00-0998	WK	85 To 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	12,845.57	
		For Equipment Without Operator, Deduct	*-5,033.53*	
01 22 23 00-0999	MO	85 To 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	45,262.53	
		For Equipment Without Operator, Deduct	*-21,811.97*	
		For >6 Months (>26 Weeks), Deduct	*-938.02*	
01 22 23 00-1000	DAY	100 To 110 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	3,367.65	
		For Equipment Without Operator, Deduct	*-1,006.71*	
		For Half Day Usage, Deduct	*-1,241.15*	
01 22 23 00-1001	WK	100 To 110 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	13,466.49	
		For Equipment Without Operator, Deduct	*-5,033.53*	
01 22 23 00-1002	MO	100 To 110 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	47,110.85	
		For Equipment Without Operator, Deduct	*-21,811.97*	
		For >6 Months (>26 Weeks), Deduct	*-1,011.96*	
01 22 23 00-1003	DAY	120 To 125 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	3,901.93	
		For Equipment Without Operator, Deduct	*-1,006.71*	
		For Half Day Usage, Deduct	*-1,408.11*	
01 22 23 00-1004	WK	120 To 125 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	15,166.80	
		For Equipment Without Operator, Deduct	*-5,033.53*	
01 22 23 00-1005	MO	120 To 125 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	52,211.78	
		For Equipment Without Operator, Deduct	*-21,811.97*	
		For >6 Months (>26 Weeks), Deduct	*-1,215.99*	
01 22 23 00-1006	DAY	140 To 150 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	4,270.15	
		For Equipment Without Operator, Deduct	*-1,006.71*	
		For Half Day Usage, Deduct	*-1,523.18*	
01 22 23 00-1007	WK	140 To 150 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	16,455.57	
		For Equipment Without Operator, Deduct	*-5,033.53*	
01 22 23 00-1008	MO	140 To 150 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	56,078.09	
		For Equipment Without Operator, Deduct	*-21,811.97*	
		For >6 Months (>26 Weeks), Deduct	*-1,370.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1009	DAY	175 To 185 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	4,934.39	
		For Equipment Without Operator, Deduct	*-1,006.71*	
		For Half Day Usage, Deduct	*-1,730.76*	
01 22 23 00-1010	WK	175 To 185 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	18,780.41	
		For Equipment Without Operator, Deduct	*-5,033.53*	
01 22 23 00-1011	MO	175 To 185 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	63,052.61	
		For Equipment Without Operator, Deduct	*-21,811.97*	
		For >6 Months (>26 Weeks), Deduct	*-1,649.63*	
01 22 23 00-1012	DAY	200 To 210 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	5,396.47	
		For Equipment Without Operator, Deduct	*-1,006.71*	
		For Half Day Usage, Deduct	*-1,875.16*	
01 22 23 00-1013	WK	200 To 210 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	20,397.69	
		For Equipment Without Operator, Deduct	*-5,033.53*	
01 22 23 00-1014	MO	200 To 210 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	67,904.45	
		For Equipment Without Operator, Deduct	*-21,811.97*	
		For >6 Months (>26 Weeks), Deduct	*-1,843.70*	

01 22 23 00-1015 Cable Controlled Lattice Boom, Mechanical Cranes *(01 22 23 00-0968)*

Note: Includes full-time operator and counterweights. Excludes delivery, set-up, and removal. See CSI section 01 71 13 00-0004 for lattice crane delivery.

01 22 23 00-1016	DAY	75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	2,739.51	
		For Equipment Without Operator, Deduct	*-1,006.71*	
01 22 23 00-1017	WK	75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	11,213.85	
		For Equipment Without Operator, Deduct	*-5,033.53*	
01 22 23 00-1018	MO	75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	40,352.93	
		For Equipment Without Operator, Deduct	*-21,811.97*	
		For >6 Months (>26 Weeks), Deduct	*-741.64*	
01 22 23 00-1019	DAY	100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	4,075.21	
		For Equipment Without Operator, Deduct	*-1,006.71*	
01 22 23 00-1020	WK	100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	13,437.61	
		For Equipment Without Operator, Deduct	*-5,033.53*	
01 22 23 00-1021	MO	100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	47,024.21	
		For Equipment Without Operator, Deduct	*-21,811.97*	
		For >6 Months (>26 Weeks), Deduct	*-1,008.49*	
01 22 23 00-1022	DAY	125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	4,291.81	
		For Equipment Without Operator, Deduct	*-1,006.71*	
01 22 23 00-1023	WK	125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	15,018.79	
		For Equipment Without Operator, Deduct	*-5,033.53*	
01 22 23 00-1024	MO	125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	51,766.31	
		For Equipment Without Operator, Deduct	*-21,811.97*	
		For >6 Months (>26 Weeks), Deduct	*-1,198.17*	
01 22 23 00-1025	DAY	150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	4,725.01	
		For Equipment Without Operator, Deduct	*-1,006.71*	
01 22 23 00-1026	WK	150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	16,599.97	
		For Equipment Without Operator, Deduct	*-5,033.53*	
01 22 23 00-1027	MO	150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	56,502.63	
		For Equipment Without Operator, Deduct	*-21,811.97*	
		For >6 Months (>26 Weeks), Deduct	*-1,387.63*	
01 22 23 00-1028	DAY	200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	4,930.78	
		For Equipment Without Operator, Deduct	*-1,006.71*	
01 22 23 00-1029	WK	200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	18,181.15	
		For Equipment Without Operator, Deduct	*-5,033.53*	
01 22 23 00-1030	MO	200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	61,250.50	
		For Equipment Without Operator, Deduct	*-21,811.97*	
		For >6 Months (>26 Weeks), Deduct	*-1,577.54*	
01 22 23 00-1031	DAY	250 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	5,136.55	
		For Equipment Without Operator, Deduct	*-1,006.71*	
01 22 23 00-1032	WK	250 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	19,762.33	
		For Equipment Without Operator, Deduct	*-5,033.53*	
01 22 23 00-1033	MO	250 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	65,998.37	
		For Equipment Without Operator, Deduct	*-21,811.97*	
		For >6 Months (>26 Weeks), Deduct	*-1,767.46*	
01 22 23 00-1034	DAY	300 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	5,815.23	
		For Equipment Without Operator, Deduct	*-1,006.71*	
01 22 23 00-1035	WK	300 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	22,195.47	
		For Equipment Without Operator, Deduct	*-5,033.53*	
01 22 23 00-1036	MO	300 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	73,287.68	
		For Equipment Without Operator, Deduct	*-21,811.97*	
		For >6 Months (>26 Weeks), Deduct	*-2,059.03*	
01 22 23 00-1037	DAY	500 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	9,988.39	
		For Equipment Without Operator, Deduct	*-1,006.71*	
01 22 23 00-1038	WK	500 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	37,068.67	
		For Equipment Without Operator, Deduct	*-5,033.53*	
01 22 23 00-1039	MO	500 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	117,924.61	
		For Equipment Without Operator, Deduct	*-21,811.97*	
		For >6 Months (>26 Weeks), Deduct	*-3,844.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 22 23 00-1040 Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklifts *(01 22 23 00-0968)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-1041	DAY	5,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,604.88	
		For Equipment Without Operator, Deduct	*-985.82*	
		For Half Day Usage, Deduct	*-686.37*	
01 22 23 00-1042	WK	5,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	6,444.18	
		For Equipment Without Operator, Deduct	*-4,929.12*	
01 22 23 00-1043	MO	5,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	24,617.72	
		For Equipment Without Operator, Deduct	*-21,359.52*	
		For >6 Months (>26 Weeks), Deduct	*-130.33*	
01 22 23 00-1044	DAY	6,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,670.04	
		For Equipment Without Operator, Deduct	*-985.82*	
		For Half Day Usage, Deduct	*-706.73*	
01 22 23 00-1045	WK	6,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	6,590.80	
		For Equipment Without Operator, Deduct	*-4,929.12*	
01 22 23 00-1046	MO	6,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	24,943.54	
		For Equipment Without Operator, Deduct	*-21,359.52*	
		For >6 Months (>26 Weeks), Deduct	*-143.36*	
01 22 23 00-1047	DAY	8,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,653.75	
		For Equipment Without Operator, Deduct	*-985.82*	
		For Half Day Usage, Deduct	*-701.64*	
01 22 23 00-1048	WK	8,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	6,664.11	
		For Equipment Without Operator, Deduct	*-4,929.12*	
01 22 23 00-1049	MO	8,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	25,432.27	
		For Equipment Without Operator, Deduct	*-21,359.52*	
		For >6 Months (>26 Weeks), Deduct	*-162.91*	
01 22 23 00-1050	DAY	10,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,841.10	
		For Equipment Without Operator, Deduct	*-985.82*	
		For Half Day Usage, Deduct	*-760.19*	
01 22 23 00-1051	WK	10,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	7,152.84	
		For Equipment Without Operator, Deduct	*-4,929.12*	
01 22 23 00-1052	MO	10,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	26,572.64	
		For Equipment Without Operator, Deduct	*-21,359.52*	
		For >6 Months (>26 Weeks), Deduct	*-208.52*	

01 22 23 00-1053 Straight Mast, Rough Terrain Construction Forklifts *(01 22 23 00-0968)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-1054	DAY	5,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	1,388.21	
		For Equipment Without Operator, Deduct	*-985.82*	
		For Propane Instead Of Gas Or Diesel, Add	*80.48*	
		For Half Day Usage, Deduct	*-618.66*	
01 22 23 00-1055	WK	5,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	6,027.95	
		For Equipment Without Operator, Deduct	*-4,929.12*	
		For Propane Instead Of Gas Or Diesel, Add	*219.77*	
01 22 23 00-1056	MO	5,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	23,874.44	
		For Equipment Without Operator, Deduct	*-21,359.52*	
		For Propane Instead Of Gas Or Diesel, Add	*502.98*	
		For >6 Months (>26 Weeks), Deduct	*-100.60*	
01 22 23 00-1057	DAY	6,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	1,409.39	
		For Equipment Without Operator, Deduct	*-985.82*	
		For Propane Instead Of Gas Or Diesel, Add	*84.71*	
		For Half Day Usage, Deduct	*-625.28*	
01 22 23 00-1058	WK	6,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	6,085.78	
		For Equipment Without Operator, Deduct	*-4,929.12*	
		For Propane Instead Of Gas Or Diesel, Add	*231.33*	
01 22 23 00-1059	MO	6,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	24,006.81	
		For Equipment Without Operator, Deduct	*-21,359.52*	
		For Propane Instead Of Gas Or Diesel, Add	*529.46*	
		For >6 Months (>26 Weeks), Deduct	*-105.89*	
01 22 23 00-1060	DAY	8,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	1,523.42	
		For Equipment Without Operator, Deduct	*-985.82*	
		For Propane Instead Of Gas Or Diesel, Add	*107.52*	
		For Half Day Usage, Deduct	*-660.91*	
01 22 23 00-1061	WK	8,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	6,403.46	
		For Equipment Without Operator, Deduct	*-4,929.12*	
		For Propane Instead Of Gas Or Diesel, Add	*294.87*	
01 22 23 00-1062	MO	8,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	24,739.90	
		For Equipment Without Operator, Deduct	*-21,359.52*	
		For Propane Instead Of Gas Or Diesel, Add	*676.08*	
		For >6 Months (>26 Weeks), Deduct	*-135.22*	
01 22 23 00-1063	DAY	10,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	1,586.22	
		For Equipment Without Operator, Deduct	*-985.82*	
		For Propane Instead Of Gas Or Diesel, Add	*120.08*	
		For Half Day Usage, Deduct	*-680.54*	
01 22 23 00-1064	WK	10,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	6,376.25	
		For Equipment Without Operator, Deduct	*-4,929.12*	
		For Propane Instead Of Gas Or Diesel, Add	*289.43*	
01 22 23 00-1065	MO	10,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	24,961.95	
		For Equipment Without Operator, Deduct	*-21,359.52*	
		For Propane Instead Of Gas Or Diesel, Add	*720.49*	
		For >6 Months (>26 Weeks), Deduct	*-144.10*	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1066		**Straight Mast, Industrial Warehouse Forklifts** *(01 22 23 00-0968)*		
		Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-1067	DAY	5,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,327.93	
		For Equipment Without Operator, Deduct	*-985.82*	
		For Propane Instead Of Gas Or Diesel, Add	*68.42*	
		For Half Day Usage, Deduct	*-599.82*	
01 22 23 00-1068	WK	5,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	5,711.09	
		For Equipment Without Operator, Deduct	*-4,929.12*	
		For Propane Instead Of Gas Or Diesel, Add	*156.39*	
01 22 23 00-1069	MO	5,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	23,232.98	
		For Equipment Without Operator, Deduct	*-21,359.52*	
		For Propane Instead Of Gas Or Diesel, Add	*374.69*	
		For >6 Months (>26 Weeks), Deduct	*-74.94*	
01 22 23 00-1070	DAY	6,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,336.08	
		For Equipment Without Operator, Deduct	*-985.82*	
		For Propane Instead Of Gas Or Diesel, Add	*70.05*	
		For Half Day Usage, Deduct	*-602.37*	
01 22 23 00-1071	WK	6,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	5,735.52	
		For Equipment Without Operator, Deduct	*-4,929.12*	
		For Propane Instead Of Gas Or Diesel, Add	*161.28*	
01 22 23 00-1072	MO	6,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	23,290.00	
		For Equipment Without Operator, Deduct	*-21,359.52*	
		For Propane Instead Of Gas Or Diesel, Add	*386.10*	
		For >6 Months (>26 Weeks), Deduct	*-77.22*	
01 22 23 00-1073	DAY	8,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,507.13	
		For Equipment Without Operator, Deduct	*-985.82*	
		For Propane Instead Of Gas Or Diesel, Add	*104.26*	
		For Half Day Usage, Deduct	*-655.82*	
01 22 23 00-1074	WK	8,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	6,110.22	
		For Equipment Without Operator, Deduct	*-4,929.12*	
		For Propane Instead Of Gas Or Diesel, Add	*236.22*	
01 22 23 00-1075	MO	8,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	24,210.44	
		For Equipment Without Operator, Deduct	*-21,359.52*	
		For Propane Instead Of Gas Or Diesel, Add	*570.18*	
		For >6 Months (>26 Weeks), Deduct	*-114.04*	
01 22 23 00-1076	DAY	12,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,523.42	
		For Equipment Without Operator, Deduct	*-985.82*	
		For Propane Instead Of Gas Or Diesel, Add	*107.52*	
		For Half Day Usage, Deduct	*-660.91*	
01 22 23 00-1077	WK	12,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	6,248.69	
		For Equipment Without Operator, Deduct	*-4,929.12*	
		For Propane Instead Of Gas Or Diesel, Add	*263.91*	
01 22 23 00-1078	MO	12,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	24,699.18	
		For Equipment Without Operator, Deduct	*-21,359.52*	
		For Propane Instead Of Gas Or Diesel, Add	*667.93*	
		For >6 Months (>26 Weeks), Deduct	*-133.59*	
01 22 23 00-1079	DAY	15,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,670.04	
		For Equipment Without Operator, Deduct	*-985.82*	
		For Propane Instead Of Gas Or Diesel, Add	*136.84*	
		For Half Day Usage, Deduct	*-706.73*	
01 22 23 00-1080	WK	15,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	6,484.91	
		For Equipment Without Operator, Deduct	*-4,929.12*	
		For Propane Instead Of Gas Or Diesel, Add	*311.16*	
01 22 23 00-1081	MO	15,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	25,106.45	
		For Equipment Without Operator, Deduct	*-21,359.52*	
		For Propane Instead Of Gas Or Diesel, Add	*749.39*	
		For >6 Months (>26 Weeks), Deduct	*-149.88*	
01 22 23 00-1082		**Chain Hoists** *(01 22 23 00-0968)*		
		Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-1083	DAY	1 Ton, 20' Lift, Manual Chain Hoist	12.52	
		For Half Day Usage, Deduct	*-3.91*	
01 22 23 00-1084	WK	1 Ton, 20' Lift, Manual Chain Hoist	32.55	
01 22 23 00-1085	MO	1 Ton, 20' Lift, Manual Chain Hoist	96.40	
		For >6 Months (>26 Weeks), Deduct	*-3.86*	
01 22 23 00-1086	DAY	3 Ton, 20' Lift, Manual Chain Hoist	35.06	
		For Half Day Usage, Deduct	*-10.96*	
01 22 23 00-1087	WK	3 Ton, 20' Lift, Manual Chain Hoist	82.63	
01 22 23 00-1088	MO	3 Ton, 20' Lift, Manual Chain Hoist	231.62	
		For >6 Months (>26 Weeks), Deduct	*-9.26*	
01 22 23 00-1089	DAY	5 Ton, 20' Lift, Manual Chain Hoist	45.07	
		For Half Day Usage, Deduct	*-14.08*	
01 22 23 00-1090	WK	5 Ton, 20' Lift, Manual Chain Hoist	121.44	
01 22 23 00-1091	MO	5 Ton, 20' Lift, Manual Chain Hoist	338.04	
		For >6 Months (>26 Weeks), Deduct	*-13.52*	
01 22 23 00-1092	DAY	2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	88.89	
		For Half Day Usage, Deduct	*-27.78*	
01 22 23 00-1093	WK	2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	231.62	
01 22 23 00-1094	MO	2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	626.00	
		For >6 Months (>26 Weeks), Deduct	*-25.04*	
01 22 23 00-1095	DAY	3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	90.14	
		For Half Day Usage, Deduct	*-28.17*	
01 22 23 00-1096	WK	3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	241.01	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1097	MO	3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	657.30	
		For >6 Months (>26 Weeks), Deduct	*-26.29*	
01 22 23 00-1098	DAY	5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	92.65	
		For Half Day Usage, Deduct	*-28.95*	
01 22 23 00-1099	WK	5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	259.79	
01 22 23 00-1100	MO	5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	719.90	
		For >6 Months (>26 Weeks), Deduct	*-28.80*	

01 22 23 00-1101 Roof Swing Hoist *(01 22 23 00-0968)*

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-1102	DAY	Up To 400 Lb., Manual Swing Roof Hoist	103.38	
		For Half Day Usage, Deduct	*-32.31*	
01 22 23 00-1103	WK	Up To 400 Lb., Manual Swing Roof Hoist	361.81	
01 22 23 00-1104	MO	Up To 400 Lb., Manual Swing Roof Hoist	1,240.50	
		For >6 Months (>26 Weeks), Deduct	*-49.62*	

01 22 23 00-1105 Truck Mounted Digger Derrick *(01 22 23 00-0968)*

Note: Includes full-time operator, delivery, set-up, and removal time in rental period. Lifting capacity is reduced.

01 22 23 00-1106	DAY	Up To 47' Sheave Height, 34' Horizontal Reach, 12 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	1,690.27	
		Note: Includes lifting boom, grapple arm and auger drill.		
		For Equipment Without Operator, Deduct	*-1,006.71*	
		For Half Day Usage, Deduct	*-716.97*	
01 22 23 00-1107	WK	Up To 47' Sheave Height, 34' Horizontal Reach, 12 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	7,084.21	
		Note: Includes lifting boom, grapple arm and auger drill.		
		For Equipment Without Operator, Deduct	*-5,033.53*	
01 22 23 00-1108	MO	Up To 47' Sheave Height, 34' Horizontal Reach, 12 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	27,280.45	
		Note: Includes lifting boom, grapple arm and auger drill.		
		For Equipment Without Operator, Deduct	*-21,811.97*	
		For >6 Months (>26 Weeks), Deduct	*-218.74*	
01 22 23 00-1109	DAY	Up To 48' Sheave Height, 38' Horizontal Reach, 15 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	1,830.77	
		Note: Includes lifting boom, grapple arm and auger drill.		
		For Equipment Without Operator, Deduct	*-1,006.71*	
		For Half Day Usage, Deduct	*-760.87*	
01 22 23 00-1110	WK	Up To 48' Sheave Height, 38' Horizontal Reach, 15 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	7,505.71	
		Note: Includes lifting boom, grapple arm and auger drill.		
		For Equipment Without Operator, Deduct	*-5,033.53*	
01 22 23 00-1111	MO	Up To 48' Sheave Height, 38' Horizontal Reach, 15 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	28,404.45	
		Note: Includes lifting boom, grapple arm and auger drill.		
		For Equipment Without Operator, Deduct	*-21,811.97*	
		For >6 Months (>26 Weeks), Deduct	*-263.70*	
01 22 23 00-1112	DAY	Up To 65' Sheave Height, 55' Horizontal Reach, 21 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	2,698.98	
		Note: Includes lifting boom, grapple arm and auger drill.		
		For Equipment Without Operator, Deduct	*-1,006.71*	
		For Half Day Usage, Deduct	*-1,032.19*	
01 22 23 00-1113	WK	Up To 65' Sheave Height, 55' Horizontal Reach, 21 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	10,110.34	
		Note: Includes lifting boom, grapple arm and auger drill.		
		For Equipment Without Operator, Deduct	*-5,033.53*	
01 22 23 00-1114	MO	Up To 65' Sheave Height, 55' Horizontal Reach, 21 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	35,350.12	
		Note: Includes lifting boom, grapple arm and auger drill.		
		For Equipment Without Operator, Deduct	*-21,811.97*	
		For >6 Months (>26 Weeks), Deduct	*-541.53*	

01 22 23 00-1115 Pumping Equipment *(01 22 23)*

01 22 23 00-1116 Gas Powered Portable Centrifugal Pumps *(01 22 23 00-1115)*

Note: Includes delivery, set-up, and removal. Excludes operator. See CSI section 01 22 23 00-1140 for larger diameter pumps.

01 22 23 00-1117	DAY	8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump	76.96	
		For >8 To 16 Hours Usage Per Day, Add	*30.78*	
		For >16 To 24 Hours Usage Per Day, Add	*61.57*	
01 22 23 00-1118	WK	8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump	173.15	
		For >40 To 80 Hours Usage Per Week, Add	*69.26*	
		For >80 Hours Usage Per Week, Add	*138.52*	
01 22 23 00-1119	MO	8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump	461.74	
		For >160 To 320 Hours Usage Per Month, Add	*184.70*	
		For >320 Hours Usage Per Month, Add	*369.39*	
		For >6 Months (>26 Weeks), Deduct	*-18.47*	
01 22 23 00-1120	DAY	16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump	92.35	
		For >8 To 16 Hours Usage Per Day, Add	*36.94*	
		For >16 To 24 Hours Usage Per Day, Add	*73.88*	
01 22 23 00-1121	WK	16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump	207.78	
		For >40 To 80 Hours Usage Per Week, Add	*83.11*	
		For >80 Hours Usage Per Week, Add	*166.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1122	MO	16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump	554.08	
		For >160 To 320 Hours Usage Per Month, Add	*221.63*	
		For >320 Hours Usage Per Month, Add	*443.26*	
		For >6 Months (>26 Weeks), Deduct	*-22.16*	

01 22 23 00-1123 Gas Powered Portable Diaphragm Pumps *(01 22 23 00-1115)*

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-1124	DAY	3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	88.50	
		For >8 To 16 Hours Usage Per Day, Add	*35.40*	
		For >16 To 24 Hours Usage Per Day, Add	*70.80*	
01 22 23 00-1125	WK	3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	250.11	
		For >40 To 80 Hours Usage Per Week, Add	*100.04*	
		For >80 Hours Usage Per Week, Add	*200.09*	
01 22 23 00-1126	MO	3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	634.89	
		For >160 To 320 Hours Usage Per Month, Add	*253.96*	
		For >320 Hours Usage Per Month, Add	*507.91*	
		For >6 Months (>26 Weeks), Deduct	*-25.40*	
01 22 23 00-1127	DAY	5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	107.74	
		For >8 To 16 Hours Usage Per Day, Add	*43.10*	
		For >16 To 24 Hours Usage Per Day, Add	*86.19*	
01 22 23 00-1128	WK	5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	288.58	
		For >40 To 80 Hours Usage Per Week, Add	*115.43*	
		For >80 Hours Usage Per Week, Add	*230.86*	
01 22 23 00-1129	MO	5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	817.66	
		For >160 To 320 Hours Usage Per Month, Add	*327.06*	
		For >320 Hours Usage Per Month, Add	*654.13*	
		For >6 Months (>26 Weeks), Deduct	*-32.71*	

01 22 23 00-1130 Gas Powered Portable Trash Pumps *(01 22 23 00-1115)*

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-1131	DAY	12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump	111.59	
		For >8 To 16 Hours Usage Per Day, Add	*44.64*	
		For >16 To 24 Hours Usage Per Day, Add	*89.27*	
01 22 23 00-1132	WK	12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump	230.87	
		For >40 To 80 Hours Usage Per Week, Add	*92.35*	
		For >80 Hours Usage Per Week, Add	*184.70*	
01 22 23 00-1133	MO	12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump	692.60	
		For >160 To 320 Hours Usage Per Month, Add	*277.04*	
		For >320 Hours Usage Per Month, Add	*554.08*	
		For >6 Months (>26 Weeks), Deduct	*-27.70*	
01 22 23 00-1134	DAY	25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump	111.59	
		For >8 To 16 Hours Usage Per Day, Add	*44.64*	
		For >16 To 24 Hours Usage Per Day, Add	*89.27*	
01 22 23 00-1135	WK	25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump	298.20	
		For >40 To 80 Hours Usage Per Week, Add	*119.28*	
		For >80 Hours Usage Per Week, Add	*238.56*	
01 22 23 00-1136	MO	25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump	817.66	
		For >160 To 320 Hours Usage Per Month, Add	*327.06*	
		For >320 Hours Usage Per Month, Add	*654.13*	
		For >6 Months (>26 Weeks), Deduct	*-32.71*	
01 22 23 00-1137	DAY	35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump	177.00	
		For >8 To 16 Hours Usage Per Day, Add	*70.80*	
		For >16 To 24 Hours Usage Per Day, Add	*141.60*	
01 22 23 00-1138	WK	35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump	500.21	
		For >40 To 80 Hours Usage Per Week, Add	*200.08*	
		For >80 Hours Usage Per Week, Add	*400.17*	
01 22 23 00-1139	MO	35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump	1,452.54	
		For >160 To 320 Hours Usage Per Month, Add	*581.02*	
		For >320 Hours Usage Per Month, Add	*1,162.03*	
		For >6 Months (>26 Weeks), Deduct	*-58.10*	

01 22 23 00-1140 Diesel Powered Portable Trash Pumps *(01 22 23 00-1115)*

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-1141	DAY	63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	346.30	
		For >8 To 16 Hours Usage Per Day, Add	*138.52*	
		For >16 To 24 Hours Usage Per Day, Add	*277.04*	
01 22 23 00-1142	WK	63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	942.71	
		For >40 To 80 Hours Usage Per Week, Add	*377.08*	
		For >80 Hours Usage Per Week, Add	*754.17*	
01 22 23 00-1143	MO	63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	4,107.53	
		For >160 To 320 Hours Usage Per Month, Add	*1,643.01*	
		For >320 Hours Usage Per Month, Add	*3,286.02*	
		For >6 Months (>26 Weeks), Deduct	*-164.30*	
01 22 23 00-1144	DAY	156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	529.07	
		For >8 To 16 Hours Usage Per Day, Add	*211.63*	
		For >16 To 24 Hours Usage Per Day, Add	*423.26*	
01 22 23 00-1145	WK	156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	1,385.21	
		For >40 To 80 Hours Usage Per Week, Add	*554.08*	
		For >80 Hours Usage Per Week, Add	*1,108.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1146	MO	156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	3,684.27	
		For >160 To 320 Hours Usage Per Month, Add	*1,473.71*	
		For >320 Hours Usage Per Month, Add	*2,947.42*	
		For >6 Months (>26 Weeks), Deduct	*-147.37*	
01 22 23 00-1147	DAY	246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	719.54	
		For >8 To 16 Hours Usage Per Day, Add	*287.82*	
		For >16 To 24 Hours Usage Per Day, Add	*575.63*	
01 22 23 00-1148	WK	246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	1,925.82	
		For >40 To 80 Hours Usage Per Week, Add	*770.33*	
		For >80 Hours Usage Per Week, Add	*1,540.66*	
01 22 23 00-1149	MO	246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	5,152.20	
		For >160 To 320 Hours Usage Per Month, Add	*2,060.88*	
		For >320 Hours Usage Per Month, Add	*4,121.76*	
		For >6 Months (>26 Weeks), Deduct	*-206.09*	
01 22 23 00-1150	DAY	379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	931.17	
		For >8 To 16 Hours Usage Per Day, Add	*372.47*	
		For >16 To 24 Hours Usage Per Day, Add	*744.94*	
01 22 23 00-1151	WK	379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	2,377.94	
		For >40 To 80 Hours Usage Per Week, Add	*951.18*	
		For >80 Hours Usage Per Week, Add	*1,902.35*	
01 22 23 00-1152	MO	379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	6,983.76	
		For >160 To 320 Hours Usage Per Month, Add	*2,793.50*	
		For >320 Hours Usage Per Month, Add	*5,587.01*	
		For >6 Months (>26 Weeks), Deduct	*-279.35*	

01 22 23 00-1153 Diesel Powered Portable High Head Trash Pumps *(01 22 23 00-1115)*

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-1154	DAY	27,000 GPH, 3" Suction, 3" Discharge, 300' Maximum Head, Diesel Powered Portable High Head Trash Pump	461.74	
		For >8 To 16 Hours Usage Per Day, Add	*184.70*	
		For >16 To 24 Hours Usage Per Day, Add	*369.39*	
01 22 23 00-1155	WK	27,000 GPH, 3" Suction, 3" Discharge, 300' Maximum Head, Diesel Powered Portable High Head Trash Pump	1,038.91	
		For >40 To 80 Hours Usage Per Week, Add	*415.56*	
		For >80 Hours Usage Per Week, Add	*831.13*	
01 22 23 00-1156	MO	27,000 GPH, 3" Suction, 3" Discharge, 300' Maximum Head, Diesel Powered Portable High Head Trash Pump	2,770.42	
		For >160 To 320 Hours Usage Per Month, Add	*1,108.17*	
		For >320 Hours Usage Per Month, Add	*2,216.34*	
		For >6 Months (>26 Weeks), Deduct	*-110.82*	
01 22 23 00-1157	DAY	90,000 GPH, 6" Suction, 4" Discharge, 330' Maximum Head, Diesel Powered Portable High Head Trash Pump	692.60	
		For >8 To 16 Hours Usage Per Day, Add	*277.04*	
		For >16 To 24 Hours Usage Per Day, Add	*554.08*	
01 22 23 00-1158	WK	90,000 GPH, 6" Suction, 4" Discharge, 330' Maximum Head, Diesel Powered Portable High Head Trash Pump	1,852.72	
		For >40 To 80 Hours Usage Per Week, Add	*741.09*	
		For >80 Hours Usage Per Week, Add	*1,482.18*	
01 22 23 00-1159	MO	90,000 GPH, 6" Suction, 4" Discharge, 330' Maximum Head, Diesel Powered Portable High Head Trash Pump	5,194.53	
		For >160 To 320 Hours Usage Per Month, Add	*2,077.81*	
		For >320 Hours Usage Per Month, Add	*4,155.62*	
		For >6 Months (>26 Weeks), Deduct	*-207.78*	
01 22 23 00-1160	DAY	135,000 GPH, 8" Suction, 6" Discharge, 320' Maximum Head, Diesel Powered Portable High Head Trash Pump	846.52	
		For >8 To 16 Hours Usage Per Day, Add	*338.61*	
		For >16 To 24 Hours Usage Per Day, Add	*677.22*	
		For Half Day Usage, Deduct	*-264.54*	
01 22 23 00-1161	WK	135,000 GPH, 8" Suction, 6" Discharge, 320' Maximum Head, Diesel Powered Portable High Head Trash Pump	1,904.66	
		For >40 To 80 Hours Usage Per Week, Add	*761.86*	
		For >80 Hours Usage Per Week, Add	*1,523.73*	
01 22 23 00-1162	MO	135,000 GPH, 8" Suction, 6" Discharge, 320' Maximum Head, Diesel Powered Portable High Head Trash Pump	5,079.10	
		For >160 To 320 Hours Usage Per Month, Add	*2,031.64*	
		For >320 Hours Usage Per Month, Add	*4,063.28*	
		For >6 Months (>26 Weeks), Deduct	*-203.16*	

01 22 23 00-1163 Diesel Powered Portable Silenced Environmental Trash Pumps *(01 22 23 00-1115)*

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-1164	DAY	90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	494.44	
		For >8 To 16 Hours Usage Per Day, Add	*197.78*	
		For >16 To 24 Hours Usage Per Day, Add	*395.55*	
01 22 23 00-1165	WK	90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	1,125.48	
		For >40 To 80 Hours Usage Per Week, Add	*450.19*	
		For >80 Hours Usage Per Week, Add	*900.38*	
01 22 23 00-1166	MO	90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	3,509.19	
		For >160 To 320 Hours Usage Per Month, Add	*1,403.68*	
		For >320 Hours Usage Per Month, Add	*2,807.35*	
		For >6 Months (>26 Weeks), Deduct	*-140.37*	
01 22 23 00-1167	DAY	136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	606.03	
		For >8 To 16 Hours Usage Per Day, Add	*242.41*	
		For >16 To 24 Hours Usage Per Day, Add	*484.82*	
01 22 23 00-1168	WK	136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	1,510.26	
		For >40 To 80 Hours Usage Per Week, Add	*604.10*	
		For >80 Hours Usage Per Week, Add	*1,208.21*	
01 22 23 00-1169	MO	136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	4,107.53	
		For >160 To 320 Hours Usage Per Month, Add	*1,643.01*	
		For >320 Hours Usage Per Month, Add	*3,286.02*	
		For >6 Months (>26 Weeks), Deduct	*-164.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1170	DAY	246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	731.08	
		For >8 To 16 Hours Usage Per Day, Add	*292.43*	
		For >16 To 24 Hours Usage Per Day, Add	*584.86*	
01 22 23 00-1171	WK	246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	2,162.46	
		For >40 To 80 Hours Usage Per Week, Add	*864.98*	
		For >80 Hours Usage Per Week, Add	*1,729.97*	
01 22 23 00-1172	MO	246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	6,031.43	
		For >160 To 320 Hours Usage Per Month, Add	*2,412.57*	
		For >320 Hours Usage Per Month, Add	*4,825.14*	
		For >6 Months (>26 Weeks), Deduct	*-241.26*	
01 22 23 00-1173	DAY	510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	1,100.47	
		For >8 To 16 Hours Usage Per Day, Add	*440.19*	
		For >16 To 24 Hours Usage Per Day, Add	*880.38*	
01 22 23 00-1174	WK	510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	2,810.82	
		For >40 To 80 Hours Usage Per Week, Add	*1,124.33*	
		For >80 Hours Usage Per Week, Add	*2,248.66*	
01 22 23 00-1175	MO	510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	8,253.53	
		For >160 To 320 Hours Usage Per Month, Add	*3,301.41*	
		For >320 Hours Usage Per Month, Add	*6,602.82*	
		For >6 Months (>26 Weeks), Deduct	*-330.14*	

01 22 23 00-1176 3 Phase Electric Submersible Pumps *(01 22 23 00-1115)*

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-1177	DAY	24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	192.39	
01 22 23 00-1178	WK	24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	480.98	
01 22 23 00-1179	MO	24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	1,442.92	
		For >6 Months (>26 Weeks), Deduct	*-57.72*	
01 22 23 00-1180	DAY	49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	253.95	
01 22 23 00-1181	WK	49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	634.89	
01 22 23 00-1182	MO	49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	1,904.66	
		For >6 Months (>26 Weeks), Deduct	*-76.19*	

01 22 23 00-1183 Suction Hose With Couplings *(01 22 23 00-1115)*

Note: Includes delivery, set-up, and removal.

01 22 23 00-1184	DAY	Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings	6.43	
		For Half Day Usage, Deduct	*-2.01*	
01 22 23 00-1185	WK	Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings	16.08	
01 22 23 00-1186	MO	Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings	49.32	
		For >6 Months (>26 Weeks), Deduct	*-1.97*	
01 22 23 00-1187	DAY	3" Inside Diameter, 20' Length, Suction Hose With Couplings	17.15	
		For Half Day Usage, Deduct	*-5.36*	
01 22 23 00-1188	WK	3" Inside Diameter, 20' Length, Suction Hose With Couplings	43.96	
01 22 23 00-1189	MO	3" Inside Diameter, 20' Length, Suction Hose With Couplings	134.01	
		For >6 Months (>26 Weeks), Deduct	*-5.36*	
01 22 23 00-1190	DAY	4" Inside Diameter, 20' Length, Suction Hose With Couplings	25.73	
		For Half Day Usage, Deduct	*-8.04*	
01 22 23 00-1191	WK	4" Inside Diameter, 20' Length, Suction Hose With Couplings	65.40	
01 22 23 00-1192	MO	4" Inside Diameter, 20' Length, Suction Hose With Couplings	198.34	
		For >6 Months (>26 Weeks), Deduct	*-7.93*	
01 22 23 00-1193	DAY	6" Inside Diameter, 20' Length, Suction Hose With Couplings	32.16	
		For Half Day Usage, Deduct	*-10.05*	
01 22 23 00-1194	WK	6" Inside Diameter, 20' Length, Suction Hose With Couplings	80.41	
01 22 23 00-1195	MO	6" Inside Diameter, 20' Length, Suction Hose With Couplings	235.86	
		For >6 Months (>26 Weeks), Deduct	*-9.43*	
01 22 23 00-1196	DAY	10" Inside Diameter, 20' Length, Suction Hose With Couplings	75.05	
		For Half Day Usage, Deduct	*-23.45*	
01 22 23 00-1197	WK	10" Inside Diameter, 20' Length, Suction Hose With Couplings	192.98	
01 22 23 00-1198	MO	10" Inside Diameter, 20' Length, Suction Hose With Couplings	568.21	
		For >6 Months (>26 Weeks), Deduct	*-22.73*	
01 22 23 00-1199	DAY	12" Inside Diameter, 20' Length, Suction Hose With Couplings	100.78	
		For Half Day Usage, Deduct	*-31.49*	
01 22 23 00-1200	WK	12" Inside Diameter, 20' Length, Suction Hose With Couplings	219.78	
01 22 23 00-1201	MO	12" Inside Diameter, 20' Length, Suction Hose With Couplings	659.34	
		For >6 Months (>26 Weeks), Deduct	*-26.37*	

01 22 23 00-1202 Discharge Hose With Couplings *(01 22 23 00-1115)*

Note: Includes delivery, set-up, and removal.

01 22 23 00-1203	DAY	1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	6.43	
		For Half Day Usage, Deduct	*-2.01*	
01 22 23 00-1204	WK	1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	16.08	
01 22 23 00-1205	MO	1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	49.32	
		For >6 Months (>26 Weeks), Deduct	*-1.97*	
01 22 23 00-1206	DAY	2" Inside Diameter, 50' Length, Discharge Hose With Couplings	7.50	
		For Half Day Usage, Deduct	*-2.34*	
01 22 23 00-1207	WK	2" Inside Diameter, 50' Length, Discharge Hose With Couplings	18.23	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1208	MO	2" Inside Diameter, 50' Length, Discharge Hose With Couplings	56.82	
		For >6 Months (>26 Weeks), Deduct	*-2.27*	
01 22 23 00-1209	DAY	3" Inside Diameter, 50' Length, Discharge Hose With Couplings	8.58	
		For Half Day Usage, Deduct	*-2.68*	
01 22 23 00-1210	WK	3" Inside Diameter, 50' Length, Discharge Hose With Couplings	21.44	
01 22 23 00-1211	MO	3" Inside Diameter, 50' Length, Discharge Hose With Couplings	65.40	
		For >6 Months (>26 Weeks), Deduct	*-2.62*	
01 22 23 00-1212	DAY	4" Inside Diameter, 50' Length, Discharge Hose With Couplings	22.51	
		For Half Day Usage, Deduct	*-7.03*	
01 22 23 00-1213	WK	4" Inside Diameter, 50' Length, Discharge Hose With Couplings	57.89	
01 22 23 00-1214	MO	4" Inside Diameter, 50' Length, Discharge Hose With Couplings	166.18	
		For >6 Months (>26 Weeks), Deduct	*-6.65*	
01 22 23 00-1215	DAY	6" Inside Diameter, 50' Length, Discharge Hose With Couplings	27.87	
		For Half Day Usage, Deduct	*-8.71*	
01 22 23 00-1216	WK	6" Inside Diameter, 50' Length, Discharge Hose With Couplings	76.12	
01 22 23 00-1217	MO	6" Inside Diameter, 50' Length, Discharge Hose With Couplings	209.06	
		For >6 Months (>26 Weeks), Deduct	*-8.36*	
01 22 23 00-1218	DAY	10" Inside Diameter, 10' Length, Discharge Hose With Couplings	21.44	
		For Half Day Usage, Deduct	*-6.70*	
01 22 23 00-1219	WK	10" Inside Diameter, 10' Length, Discharge Hose With Couplings	53.60	
01 22 23 00-1220	MO	10" Inside Diameter, 10' Length, Discharge Hose With Couplings	160.82	
		For >6 Months (>26 Weeks), Deduct	*-6.43*	
01 22 23 00-1221	DAY	12" Inside Diameter, 10' Length, Discharge Hose With Couplings	54.68	
		For Half Day Usage, Deduct	*-17.09*	
01 22 23 00-1222	WK	12" Inside Diameter, 10' Length, Discharge Hose With Couplings	139.37	
01 22 23 00-1223	MO	12" Inside Diameter, 10' Length, Discharge Hose With Couplings	412.76	
		For >6 Months (>26 Weeks), Deduct	*-16.51*	

01 22 23 00-1224 Hydraulic Submersible Pumps *(01 22 23 00-1115)*

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-1225 Hydraulic Submersible Pumps *(01 22 23 00-1224)*

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-1226	DAY	60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	126.98	
		For >8 To 16 Hours Usage Per Day, Add	*50.79*	
		For >16 To 24 Hours Usage Per Day, Add	*101.58*	
01 22 23 00-1227	WK	60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	340.53	
		For >40 To 80 Hours Usage Per Week, Add	*136.21*	
		For >80 Hours Usage Per Week, Add	*272.42*	
01 22 23 00-1228	MO	60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	952.33	
		For >160 To 320 Hours Usage Per Month, Add	*380.93*	
		For >320 Hours Usage Per Month, Add	*761.86*	
		For >6 Months (>26 Weeks), Deduct	*-38.09*	
01 22 23 00-1229	DAY	132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	161.61	
		For >8 To 16 Hours Usage Per Day, Add	*64.64*	
		For >16 To 24 Hours Usage Per Day, Add	*129.29*	
01 22 23 00-1230	WK	132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	415.56	
		For >40 To 80 Hours Usage Per Week, Add	*166.22*	
		For >80 Hours Usage Per Week, Add	*332.45*	
01 22 23 00-1231	MO	132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	1,269.77	
		For >160 To 320 Hours Usage Per Month, Add	*507.91*	
		For >320 Hours Usage Per Month, Add	*1,015.82*	
		For >6 Months (>26 Weeks), Deduct	*-50.79*	

01 22 23 00-1232 Hydraulic Submersible Pump Diesel Power Packs *(01 22 23 00-1224)*

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-1233	DAY	100 HP, Hydraulic Submersible Pump Diesel Power Pack	293.39	
		For >8 To 16 Hours Usage Per Day, Add	*117.36*	
		For >16 To 24 Hours Usage Per Day, Add	*234.71*	
01 22 23 00-1234	WK	100 HP, Hydraulic Submersible Pump Diesel Power Pack	875.37	
		For >40 To 80 Hours Usage Per Week, Add	*350.15*	
		For >80 Hours Usage Per Week, Add	*700.30*	
01 22 23 00-1235	MO	100 HP, Hydraulic Submersible Pump Diesel Power Pack	2,308.68	
		For >160 To 320 Hours Usage Per Month, Add	*923.47*	
		For >320 Hours Usage Per Month, Add	*1,846.94*	
		For >6 Months (>26 Weeks), Deduct	*-92.35*	

01 22 23 00-1236 HDPE Pipe With Couplings *(01 22 23 00-1115)*

Note: Includes delivery, set-up, and removal.

01 22 23 00-1237	DAY	4" x 50' HDPE Pipe With Couplings	15.32	
		For Half Day Usage, Deduct	*-4.79*	
01 22 23 00-1238	WK	4" x 50' HDPE Pipe With Couplings	36.77	
01 22 23 00-1239	MO	4" x 50' HDPE Pipe With Couplings	113.37	
		For >6 Months (>26 Weeks), Deduct	*-4.53*	
01 22 23 00-1240	DAY	6" x 50' HDPE Pipe With Couplings	24.51	
		For Half Day Usage, Deduct	*-7.66*	
01 22 23 00-1241	WK	6" x 50' HDPE Pipe With Couplings	61.28	
01 22 23 00-1242	MO	6" x 50' HDPE Pipe With Couplings	186.90	
		For >6 Months (>26 Weeks), Deduct	*-7.48*	
01 22 23 00-1243	DAY	8" x 50' HDPE Pipe With Couplings	39.83	
		For Half Day Usage, Deduct	*-12.45*	
01 22 23 00-1244	WK	8" x 50' HDPE Pipe With Couplings	104.18	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1245	MO	8" x 50' HDPE Pipe With Couplings	309.46	
		For >6 Months (>26 Weeks), Deduct	*-12.38*	
01 22 23 00-1246	DAY	10" x 50' HDPE Pipe With Couplings	49.02	
		For Half Day Usage, Deduct	*-15.32*	
01 22 23 00-1247	WK	10" x 50' HDPE Pipe With Couplings	125.62	
01 22 23 00-1248	MO	10" x 50' HDPE Pipe With Couplings	383.00	
		For >6 Months (>26 Weeks), Deduct	*-15.32*	
01 22 23 00-1249	DAY	12" x 20' HDPE Pipe With Couplings	36.77	
		For Half Day Usage, Deduct	*-11.49*	
01 22 23 00-1250	WK	12" x 20' HDPE Pipe With Couplings	101.11	
01 22 23 00-1251	MO	12" x 20' HDPE Pipe With Couplings	306.40	
		For >6 Months (>26 Weeks), Deduct	*-12.26*	
01 22 23 00-1252	DAY	4" Elbow For HDPE Pipe, Quick Connect	36.77	
		For Half Day Usage, Deduct	*-11.49*	
01 22 23 00-1253	WK	4" Elbow For HDPE Pipe, Quick Connect	94.98	
01 22 23 00-1254	MO	4" Elbow For HDPE Pipe, Quick Connect	281.89	
		For >6 Months (>26 Weeks), Deduct	*-11.28*	
01 22 23 00-1255	DAY	6" Elbow For HDPE Pipe, Quick Connect	42.90	
		For Half Day Usage, Deduct	*-13.41*	
01 22 23 00-1256	WK	6" Elbow For HDPE Pipe, Quick Connect	110.30	
01 22 23 00-1257	MO	6" Elbow For HDPE Pipe, Quick Connect	337.04	
		For >6 Months (>26 Weeks), Deduct	*-13.48*	
01 22 23 00-1258	DAY	8" Elbow For HDPE Pipe, Quick Connect	49.02	
		For Half Day Usage, Deduct	*-15.32*	
01 22 23 00-1259	WK	8" Elbow For HDPE Pipe, Quick Connect	125.62	
01 22 23 00-1260	MO	8" Elbow For HDPE Pipe, Quick Connect	383.00	
		For >6 Months (>26 Weeks), Deduct	*-15.32*	
01 22 23 00-1261	DAY	10" Elbow For HDPE Pipe, Quick Connect	61.28	
		For Half Day Usage, Deduct	*-19.15*	
01 22 23 00-1262	WK	10" Elbow For HDPE Pipe, Quick Connect	156.26	
01 22 23 00-1263	MO	10" Elbow For HDPE Pipe, Quick Connect	474.92	
		For >6 Months (>26 Weeks), Deduct	*-19.00*	
01 22 23 00-1264	DAY	12" Elbow For HDPE Pipe, Quick Connect	61.28	
		For Half Day Usage, Deduct	*-19.15*	
01 22 23 00-1265	WK	12" Elbow For HDPE Pipe, Quick Connect	156.26	
01 22 23 00-1266	MO	12" Elbow For HDPE Pipe, Quick Connect	474.92	
		For >6 Months (>26 Weeks), Deduct	*-19.00*	
01 22 23 00-1267	DAY	4" Tee For HDPE Pipe, Quick Connect	36.77	
		For Half Day Usage, Deduct	*-11.49*	
01 22 23 00-1268	WK	4" Tee For HDPE Pipe, Quick Connect	94.98	
01 22 23 00-1269	MO	4" Tee For HDPE Pipe, Quick Connect	281.89	
		For >6 Months (>26 Weeks), Deduct	*-11.28*	
01 22 23 00-1270	DAY	6" Tee For HDPE Pipe, Quick Connect	49.02	
		For Half Day Usage, Deduct	*-15.32*	
01 22 23 00-1271	WK	6" Tee For HDPE Pipe, Quick Connect	125.62	
01 22 23 00-1272	MO	6" Tee For HDPE Pipe, Quick Connect	383.00	
		For >6 Months (>26 Weeks), Deduct	*-15.32*	
01 22 23 00-1273	DAY	8" Tee For HDPE Pipe, Quick Connect	61.28	
		For Half Day Usage, Deduct	*-19.15*	
01 22 23 00-1274	WK	8" Tee For HDPE Pipe, Quick Connect	156.26	
01 22 23 00-1275	MO	8" Tee For HDPE Pipe, Quick Connect	474.92	
		For >6 Months (>26 Weeks), Deduct	*-19.00*	
01 22 23 00-1276	DAY	10" Tee For HDPE Pipe, Quick Connect	73.54	
		For Half Day Usage, Deduct	*-22.98*	
01 22 23 00-1277	WK	10" Tee For HDPE Pipe, Quick Connect	186.90	
01 22 23 00-1278	MO	10" Tee For HDPE Pipe, Quick Connect	566.84	
		For >6 Months (>26 Weeks), Deduct	*-22.67*	
01 22 23 00-1279	DAY	12" Tee For HDPE Pipe, Quick Connect	73.54	
		For Half Day Usage, Deduct	*-22.98*	
01 22 23 00-1280	WK	12" Tee For HDPE Pipe, Quick Connect	186.90	
01 22 23 00-1281	MO	12" Tee For HDPE Pipe, Quick Connect	566.84	
		For >6 Months (>26 Weeks), Deduct	*-22.67*	
01 22 23 00-1282	DAY	4" Cap For HDPE Pipe, Quick Connect	6.13	
		For Half Day Usage, Deduct	*-1.92*	
01 22 23 00-1283	WK	4" Cap For HDPE Pipe, Quick Connect	18.38	
01 22 23 00-1284	MO	4" Cap For HDPE Pipe, Quick Connect	55.15	
		For >6 Months (>26 Weeks), Deduct	*-2.21*	
01 22 23 00-1285	DAY	6" Cap For HDPE Pipe, Quick Connect	6.13	
		For Half Day Usage, Deduct	*-1.92*	
01 22 23 00-1286	WK	6" Cap For HDPE Pipe, Quick Connect	18.38	
01 22 23 00-1287	MO	6" Cap For HDPE Pipe, Quick Connect	55.15	
		For >6 Months (>26 Weeks), Deduct	*-2.21*	
01 22 23 00-1288	DAY	8" Cap For HDPE Pipe, Quick Connect	6.13	
		For Half Day Usage, Deduct	*-1.92*	
01 22 23 00-1289	WK	8" Cap For HDPE Pipe, Quick Connect	18.38	
01 22 23 00-1290	MO	8" Cap For HDPE Pipe, Quick Connect	55.15	
		For >6 Months (>26 Weeks), Deduct	*-2.21*	
01 22 23 00-1291	DAY	10" Cap For HDPE Pipe, Quick Connect	6.13	
		For Half Day Usage, Deduct	*-1.92*	
01 22 23 00-1292	WK	10" Cap For HDPE Pipe, Quick Connect	18.38	
01 22 23 00-1293	MO	10" Cap For HDPE Pipe, Quick Connect	55.15	
		For >6 Months (>26 Weeks), Deduct	*-2.21*	
01 22 23 00-1294	DAY	12" Cap For HDPE Pipe, Quick Connect	6.13	
		For Half Day Usage, Deduct	*-1.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1295	WK	12" Cap For HDPE Pipe, Quick Connect	18.38	
01 22 23 00-1296	MO	12" Cap For HDPE Pipe, Quick Connect	55.15	
		For >6 Months (>26 Weeks), Deduct	*-2.21*	
01 22 23 00-1297	DAY	4" Wye For HDPE Pipe, Quick Connect	18.38	
		For Half Day Usage, Deduct	*-5.74*	
01 22 23 00-1298	WK	4" Wye For HDPE Pipe, Quick Connect	45.96	
01 22 23 00-1299	MO	4" Wye For HDPE Pipe, Quick Connect	140.94	
		For >6 Months (>26 Weeks), Deduct	*-5.64*	
01 22 23 00-1300	DAY	6" Wye For HDPE Pipe, Quick Connect	21.45	
		For Half Day Usage, Deduct	*-6.70*	
01 22 23 00-1301	WK	6" Wye For HDPE Pipe, Quick Connect	55.15	
01 22 23 00-1302	MO	6" Wye For HDPE Pipe, Quick Connect	168.52	
		For >6 Months (>26 Weeks), Deduct	*-6.74*	
01 22 23 00-1303	DAY	8" Wye For HDPE Pipe, Quick Connect	36.77	
		For Half Day Usage, Deduct	*-11.49*	
01 22 23 00-1304	WK	8" Wye For HDPE Pipe, Quick Connect	94.98	
01 22 23 00-1305	MO	8" Wye For HDPE Pipe, Quick Connect	281.89	
		For >6 Months (>26 Weeks), Deduct	*-11.28*	
01 22 23 00-1306	DAY	10" Wye For HDPE Pipe, Quick Connect	55.15	
		For Half Day Usage, Deduct	*-17.23*	
01 22 23 00-1307	WK	10" Wye For HDPE Pipe, Quick Connect	140.94	
01 22 23 00-1308	MO	10" Wye For HDPE Pipe, Quick Connect	428.96	
		For >6 Months (>26 Weeks), Deduct	*-17.16*	
01 22 23 00-1309	DAY	12" Wye For HDPE Pipe, Quick Connect	55.15	
		For Half Day Usage, Deduct	*-17.23*	
01 22 23 00-1310	WK	12" Wye For HDPE Pipe, Quick Connect	140.94	
01 22 23 00-1311	MO	12" Wye For HDPE Pipe, Quick Connect	428.96	
		For >6 Months (>26 Weeks), Deduct	*-17.16*	

01 22 23 00-1312 Temporary Building Services *(01 22 23)*

01 22 23 00-1313 Boilers *(01 22 23 00-1312)*

Note: Excludes operator, delivery, set-up, and removal.

01 22 23 00-1314 Electric Boilers *(01 22 23 00-1313)*

01 22 23 00-1315	MO	40 MBH, 12 KW Electric Boiler Rental	2,867.55
01 22 23 00-1316	MO	60 MBH, 20 KW Electric Boiler Rental	3,128.28
01 22 23 00-1317	MO	95 MBH, 30 KW Electric Boiler Rental	3,258.65
01 22 23 00-1318	MO	135 MBH, 40 KW Electric Boiler Rental	3,649.61
01 22 23 00-1319	MO	165 MBH, 50 KW Electric Boiler Rental	5,083.39
01 22 23 00-1320	MO	215 MBH, 60 KW Electric Boiler Rental	5,865.47
01 22 23 00-1321	MO	365 MBH, 100 KW Electric Boiler Rental	7,690.34
01 22 23 00-1322	MO	510 MBH, 150 KW Electric Boiler Rental	9,384.83

01 22 23 00-1323 Oil/Gas Fired Boilers *(01 22 23 00-1313)*

01 22 23 00-1324	MO	Up To 100 HP, Gas/Oil Dual Fuel Boiler Rental	2,526.50
01 22 23 00-1325	MO	>100 HP To 250 HP, Gas/Oil Dual Fuel Boiler Rental	3,284.45
01 22 23 00-1326	MO	>250 HP To 500 HP, Gas/Oil Dual Fuel Boiler Rental	5,305.65
01 22 23 00-1327	MO	>500 HP To 800 HP, Gas/Oil Dual Fuel Boiler Rental	7,326.85

01 22 23 00-1328 Oil Fired Boilers *(01 22 23 00-1313)*

01 22 23 00-1329	MO	250 HP Oil Fired Boiler Rental	8,053.54
01 22 23 00-1330	MO	350 HP Oil Fired Boiler Rental	10,738.06
01 22 23 00-1331	MO	500 HP Oil Fired Boiler Rental	13,422.57
01 22 23 00-1332	MO	600 HP Oil Fired Boiler Rental	14,764.83

01 22 23 00-1333 Boilers Setup *(01 22 23 00-1313)*

01 22 23 00-1334	EA	Setup Rental Boiler Note: Includes delivery, setup, installation, startup, commissioning, decommissioning, and pickup. Excludes piping and electrical hookup. Excludes crane.	8,007.46

01 22 23 00-1335 Chillers *(01 22 23 00-1312)*

Note: Excludes operator, delivery, set-up, and removal.

01 22 23 00-1336 Air-Cooled Chillers *(01 22 23 00-1335)*

01 22 23 00-1337	MO	25 Ton Air-Cooled Chiller Rental	2,542.48
		For >3 To 6 Month Rental, Deduct	*-381.37*
		For >6 Months (>26 Weeks), Deduct	*-635.62*
01 22 23 00-1338	MO	40 Ton Air-Cooled Chiller Rental	4,067.98
		For >3 To 6 Month Rental, Deduct	*-610.20*
		For >6 Months (>26 Weeks), Deduct	*-1,017.00*
01 22 23 00-1339	MO	60 Ton Air-Cooled Chiller Rental	4,975.60
		For >3 To 6 Month Rental, Deduct	*-746.34*
		For >6 Months (>26 Weeks), Deduct	*-1,243.90*
01 22 23 00-1340	MO	80 Ton Air-Cooled Chiller Rental	5,883.22
		For >3 To 6 Month Rental, Deduct	*-882.48*
		For >6 Months (>26 Weeks), Deduct	*-1,470.81*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1341	MO	100 Ton Air-Cooled Chiller Rental	6,790.84	
		For >3 To 6 Month Rental, Deduct	*-1,018.63*	
		For >6 Months (>26 Weeks), Deduct	*-1,697.71*	
01 22 23 00-1342	MO	125 Ton Air-Cooled Chiller Rental	7,867.32	
		For >3 To 6 Month Rental, Deduct	*-1,180.10*	
		For >6 Months (>26 Weeks), Deduct	*-1,966.83*	
01 22 23 00-1343	MO	155 Ton Air-Cooled Chiller Rental	9,517.53	
		For >3 To 6 Month Rental, Deduct	*-1,427.63*	
		For >6 Months (>26 Weeks), Deduct	*-2,379.38*	
01 22 23 00-1344	MO	170 Ton Air-Cooled Chiller Rental	10,177.62	
		For >3 To 6 Month Rental, Deduct	*-1,526.64*	
		For >6 Months (>26 Weeks), Deduct	*-2,544.41*	
01 22 23 00-1345	MO	200 Ton Air-Cooled Chiller Rental	11,691.60	
		For >3 To 6 Month Rental, Deduct	*-1,753.74*	
		For >6 Months (>26 Weeks), Deduct	*-2,922.90*	
01 22 23 00-1346	MO	250 Ton Air-Cooled Chiller Rental	13,911.73	
		For >3 To 6 Month Rental, Deduct	*-2,086.76*	
		For >6 Months (>26 Weeks), Deduct	*-3,477.93*	
01 22 23 00-1347	MO	300 Ton Air-Cooled Chiller Rental Note: Includes trailer.	16,233.54	
		For >3 To 6 Month Rental, Deduct	*-2,435.03*	
		For >6 Months (>26 Weeks), Deduct	*-4,058.39*	
01 22 23 00-1348	MO	400 Ton Air-Cooled Chiller Rental Note: Includes trailer, pump and 200' of 6" hose.	21,414.46	
		For >3 To 6 Month Rental, Deduct	*-3,212.17*	
		For >6 Months (>26 Weeks), Deduct	*-5,353.62*	
01 22 23 00-1349	MO	500 Ton Air-Cooled Chiller Rental Note: Includes trailer, pump and 200' of 6" hose.	26,507.11	
		For >3 To 6 Month Rental, Deduct	*-3,976.07*	
		For >6 Months (>26 Weeks), Deduct	*-6,626.78*	
01 22 23 00-1350	EA	Setup Air-Cooled Chiller Rental Unit Note: Includes delivery, setup, installation, refrigerant charge, startup, commissioning, decommissioning, recovery of refrigerant and pickup. Excludes piping and electrical hookup. Excludes crane if off-loaded.	5,566.16	

01 22 23 00-1351 Chiller Rental Accessories *(01 22 23 00-1335)*

01 22 23 00-1352	MO	4" x 25' Flexible Water Hose For Chiller Rental	45.30	
01 22 23 00-1353	MO	6" x 25' Flexible Water Hose For Chiller Rental	56.63	

01 22 23 00-1354 Cooling Tower *(01 22 23 00-1312)*

Note: Excludes operator, delivery, set-up, and removal.

01 22 23 00-1355	MO	100 Ton Cooling Tower Rental	3,688.22	
		For >3 To 6 Months Rental, Deduct	*-553.23*	
		For >6 Months (>26 Weeks), Deduct	*-922.06*	
01 22 23 00-1356	MO	200 Ton Cooling Tower Rental	6,714.00	
		For >3 To 6 Months Rental, Deduct	*-1,007.10*	
		For >6 Months (>26 Weeks), Deduct	*-1,678.50*	
01 22 23 00-1357	MO	250 Ton Cooling Tower Rental	7,603.29	
		For >3 To 6 Months Rental, Deduct	*-1,140.49*	
		For >6 Months (>26 Weeks), Deduct	*-1,900.82*	
01 22 23 00-1358	MO	300 Ton Cooling Tower Rental	8,593.92	
		For >3 To 6 Months Rental, Deduct	*-1,289.09*	
		For >6 Months (>26 Weeks), Deduct	*-2,148.48*	
01 22 23 00-1359	MO	400 Ton Cooling Tower Rental	10,742.40	
		For >3 To 6 Months Rental, Deduct	*-1,611.36*	
		For >6 Months (>26 Weeks), Deduct	*-2,685.60*	
01 22 23 00-1360	MO	500 Ton Cooling Tower Rental	12,559.71	
		For >3 To 6 Months Rental, Deduct	*-1,883.96*	
		For >6 Months (>26 Weeks), Deduct	*-3,139.93*	
01 22 23 00-1361	MO	Setup Rental Cooling Tower Note: Includes delivery, setup, installation, startup, commissioning, decommissioning, and pickup. Excludes piping and electrical hookup. Excludes crane.	5,566.16	

01 22 23 00-1362 Emergency Cooler/Freezer *(01 22 23 00-1312)*

Note: Excludes utility connection, delivery, set-up, and removal. Cooler 115 Volt or 230 Volt, freezer 208/230 Volt, combo 115 Volt or 230 Volt.

01 22 23 00-1363	DAY	8 x 6 x 7 Emergency Cooler Rental	147.35	
		For Half Day Usage, Deduct	*-46.05*	
01 22 23 00-1364	WK	8 x 6 x 7 Emergency Cooler Rental	785.88	
01 22 23 00-1365	DAY	10 x 7 x 7 Emergency Cooler Rental	294.70	
		For Half Day Usage, Deduct	*-92.09*	
01 22 23 00-1366	WK	10 x 7 x 7 Emergency Cooler Rental	1,178.82	
01 22 23 00-1367	MO	10 x 7 x 7 Emergency Cooler Rental	2,947.05	
01 22 23 00-1368	DAY	10 x 7 x 7 Emergency Freezer Rental	343.82	
		For Half Day Usage, Deduct	*-107.44*	
01 22 23 00-1369	WK	10 x 7 x 7 Emergency Freezer Rental	1,375.29	
01 22 23 00-1370	MO	10 x 7 x 7 Emergency Freezer Rental	3,536.46	
01 22 23 00-1371	DAY	6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental	392.94	
		For Half Day Usage, Deduct	*-122.79*	
01 22 23 00-1372	WK	6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental	1,571.76	
01 22 23 00-1373	MO	6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental	3,929.40	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1374		**Fuel Oil Tank** *(01 22 23 00-1312)* Note: Excludes delivery to job site and pick-up when complete. Excludes 0ff-road fuel costs. See CSI section 01 22 23 00-0824 for reimbursable fuel fees.		
01 22 23 00-1375	MO	100 Gallon Portable Double Wall Fuel Oil Tank Rental	396.94	
		For >6 Months (>26 Weeks), Deduct	*-15.88*	
01 22 23 00-1376	MO	275 Gallon Portable Double Wall Fuel Oil Tank Rental	617.46	
		For >6 Months (>26 Weeks), Deduct	*-24.70*	
01 22 23 00-1377	MO	500 Gallon Portable Double Wall Fuel Oil Tank Rental	1,543.66	
		For >6 Months (>26 Weeks), Deduct	*-61.75*	
01 22 23 00-1378	MO	1,000 Gallon Portable Double Wall Fuel Oil Tank Rental	2,572.76	
		For >6 Months (>26 Weeks), Deduct	*-102.91*	
01 22 23 00-1379	MO	2,300 Gallon Portable Double Wall Fuel Oil Tank Rental	3,396.05	
		For >6 Months (>26 Weeks), Deduct	*-135.84*	
01 22 23 00-1380	MO	5,000 Gallon Portable Double Wall Fuel Oil Tank Rental	6,066.82	
		For >6 Months (>26 Weeks), Deduct	*-242.67*	
01 22 23 00-1381		**Portable Spot Cooling Units** *(01 22 23 00-1312)* Note: Includes up to 20' duct. Excludes operator, delivery, set-up, and removal.		
01 22 23 00-1382	DAY	1 Ton Portable Spot Cooling Unit	185.80	
		For Half Day Usage, Deduct	*-58.06*	
01 22 23 00-1383	WK	1 Ton Portable Spot Cooling Unit	402.56	
01 22 23 00-1384	MO	1 Ton Portable Spot Cooling Unit	951.61	
		For >6 Months (>26 Weeks), Deduct	*-38.06*	
01 22 23 00-1385	DAY	1.5 Ton Portable Spot Cooling Unit	242.96	
		For Half Day Usage, Deduct	*-75.93*	
01 22 23 00-1386	WK	1.5 Ton Portable Spot Cooling Unit	499.03	
01 22 23 00-1387	MO	1.5 Ton Portable Spot Cooling Unit	1,170.75	
		For >6 Months (>26 Weeks), Deduct	*-46.83*	
01 22 23 00-1388	DAY	2 Ton Portable Spot Cooling Unit	327.52	
		For Half Day Usage, Deduct	*-102.35*	
01 22 23 00-1389	WK	2 Ton Portable Spot Cooling Unit	684.82	
01 22 23 00-1390	MO	2 Ton Portable Spot Cooling Unit	1,268.42	
		For >6 Months (>26 Weeks), Deduct	*-50.74*	
01 22 23 00-1391	DAY	3 Ton Portable Spot Cooling Unit	343.01	
		For Half Day Usage, Deduct	*-107.19*	
01 22 23 00-1392	WK	3 Ton Portable Spot Cooling Unit	726.51	
01 22 23 00-1393	MO	3 Ton Portable Spot Cooling Unit	1,605.47	
		For >6 Months (>26 Weeks), Deduct	*-64.22*	
01 22 23 00-1394	DAY	5 Ton Portable Spot Cooling Unit	535.95	
		For Half Day Usage, Deduct	*-167.48*	
01 22 23 00-1395	WK	5 Ton Portable Spot Cooling Unit	1,083.81	
01 22 23 00-1396	MO	5 Ton Portable Spot Cooling Unit	2,252.18	
		For >6 Months (>26 Weeks), Deduct	*-90.09*	
01 22 23 00-1397	DAY	10 To 12 Ton Portable Spot Cooling Unit	700.31	
		For Half Day Usage, Deduct	*-218.85*	
01 22 23 00-1398	WK	10 To 12 Ton Portable Spot Cooling Unit	1,578.08	
01 22 23 00-1399	MO	10 To 12 Ton Portable Spot Cooling Unit	3,808.82	
		For >6 Months (>26 Weeks), Deduct	*-152.35*	
01 22 23 00-1400	DAY	20 Ton Portable Spot Cooling Unit	803.92	
		For Half Day Usage, Deduct	*-251.23*	
01 22 23 00-1401	WK	20 Ton Portable Spot Cooling Unit	1,846.05	
01 22 23 00-1402	MO	20 Ton Portable Spot Cooling Unit	5,145.12	
		For >6 Months (>26 Weeks), Deduct	*-205.80*	
01 22 23 00-1403	DAY	25 Ton Portable Spot Cooling Unit	1,143.36	
		For Half Day Usage, Deduct	*-357.30*	
01 22 23 00-1404	WK	25 Ton Portable Spot Cooling Unit	2,316.50	
01 22 23 00-1405	MO	25 Ton Portable Spot Cooling Unit	5,389.28	
		For >6 Months (>26 Weeks), Deduct	*-215.57*	
01 22 23 00-1406	EA	Setup Rental Of Up To 5 Ton Portable Spot Cooler Note: Includes delivery, setup, connection to power outlet and conncection to duct and removal. Excludes electrical wiring.	278.89	
01 22 23 00-1407	EA	Setup Rental Of 10 To 15 Ton Portable Spot Cooler Note: Includes delivery, setup, connection to power outlet and conncection to duct and removal. Excludes electrical wiring.	637.46	
01 22 23 00-1408	EA	Setup Rental Of 20 To 25 Ton Portable Spot Cooler Note: Includes delivery, setup, connection to power outlet and conncection to duct and removal. Excludes electrical wiring.	923.06	
01 22 23 00-1409		**Truck And Trailer Equipment** *(01 22 23)* Note: For Standby time or where vehicle will be sitting for long periods of time before hauling.		
01 22 23 00-1410		**Trucks** *(01 22 23 00-1409)* Note: Includes driver, delivery to job site and pick-up when complete.		
01 22 23 00-1411		**Flat Bed Trucks** *(01 22 23 00-1410)* Note: Includes hydraulic tilt bed.		
01 22 23 00-1412	DAY	1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	1,059.18	
		For Equipment Without Operator, Deduct	*-765.36*	
		For Half Day Usage, Deduct	*-474.50*	
01 22 23 00-1413	WK	1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	4,597.07	
		For Equipment Without Operator, Deduct	*-3,826.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1414	MO	1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	18,528.29	
		For Equipment Without Operator, Deduct	*-16,582.75*	
		For >6 Months (>26 Weeks), Deduct	*-77.82*	
01 22 23 00-1415	DAY	3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	1,186.23	
		For Equipment Without Operator, Deduct	*-765.36*	
		For Half Day Usage, Deduct	*-514.20*	
01 22 23 00-1416	WK	3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	4,922.65	
		For Equipment Without Operator, Deduct	*-3,826.79*	
01 22 23 00-1417	MO	3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	19,362.10	
		For Equipment Without Operator, Deduct	*-16,582.75*	
		For >6 Months (>26 Weeks), Deduct	*-111.17*	
01 22 23 00-1418	DAY	6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	1,277.40	
		For Equipment Without Operator, Deduct	*-765.36*	
		For Half Day Usage, Deduct	*-542.69*	
01 22 23 00-1419	WK	6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	5,271.10	
		For Equipment Without Operator, Deduct	*-3,826.79*	
01 22 23 00-1420	MO	6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	20,688.25	
		For Equipment Without Operator, Deduct	*-16,582.75*	
		For >6 Months (>26 Weeks), Deduct	*-164.22*	

01 22 23 00-1421 Light Off-Road Utility Passenger Vehicles *(01 22 23 00-1410)*

01 22 23 00-1422	DAY	4 Wheel, 2 Person, Light Off Road Utility Passenger Vehicle	309.84	
		For Half Day Usage, Deduct	*-96.83*	
01 22 23 00-1423	WK	4 Wheel, 2 Person, Light Off Road Utility Passenger Vehicle	716.50	
01 22 23 00-1424	MO	4 Wheel, 2 Person, Light Off Road Utility Passenger Vehicle	1,549.20	
		For >6 Months (>26 Weeks), Deduct	*-61.97*	
01 22 23 00-1425	DAY	4 Wheel, 4 Person, Light Off Road Utility Passenger Vehicle	319.52	
		For Half Day Usage, Deduct	*-99.85*	
01 22 23 00-1426	WK	4 Wheel, 4 Person, Light Off Road Utility Passenger Vehicle	745.55	
01 22 23 00-1427	MO	4 Wheel, 4 Person, Light Off Road Utility Passenger Vehicle	1,646.02	
		For >6 Months (>26 Weeks), Deduct	*-65.84*	

01 22 23 00-1428 Light And Heavy Duty Trucks *(01 22 23 00-1410)*

01 22 23 00-1429	DAY	1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver	1,068.62	
		For Equipment Without Operator, Deduct	*-760.81*	
		For Half Day Usage, Deduct	*-476.60*	
01 22 23 00-1430	WK	1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver	4,814.03	
		For Equipment Without Operator, Deduct	*-3,804.03*	
01 22 23 00-1431	MO	1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver	18,600.30	
		For Equipment Without Operator, Deduct	*-16,484.12*	
		For >6 Months (>26 Weeks), Deduct	*-84.65*	
01 22 23 00-1432	DAY	3/4 Ton, 4 x 4 Heavy Duty Crew Cab Pickup Truck With Full-Time Truck Driver	1,126.33	
		For Equipment Without Operator, Deduct	*-760.81*	
		For Half Day Usage, Deduct	*-494.63*	
01 22 23 00-1433	WK	3/4 Ton, 4 x 4 Heavy Duty Crew Cab Pickup Truck With Full-Time Truck Driver	4,987.17	
		For Equipment Without Operator, Deduct	*-3,804.03*	
01 22 23 00-1434	MO	3/4 Ton, 4 x 4 Heavy Duty Crew Cab Pickup Truck With Full-Time Truck Driver	18,985.06	
		For Equipment Without Operator, Deduct	*-16,484.12*	
		For >6 Months (>26 Weeks), Deduct	*-100.04*	

01 22 23 00-1435 Rear Dump Trucks *(01 22 23 00-1410)*

01 22 23 00-1436	DAY	2.5 CY Rear Dump Truck With Full-Time Truck Driver	1,132.50	
		For Equipment Without Operator, Deduct	*-765.36*	
		For Half Day Usage, Deduct	*-497.41*	
01 22 23 00-1437	WK	2.5 CY Rear Dump Truck With Full-Time Truck Driver	4,796.51	
		For Equipment Without Operator, Deduct	*-3,826.79*	
01 22 23 00-1438	MO	2.5 CY Rear Dump Truck With Full-Time Truck Driver	19,551.76	
		For Equipment Without Operator, Deduct	*-16,582.75*	
		For >6 Months (>26 Weeks), Deduct	*-118.76*	
01 22 23 00-1439	DAY	3 To 4 CY Rear Dump Truck With Full-Time Truck Driver	1,254.21	
		For Equipment Without Operator, Deduct	*-765.36*	
		For Half Day Usage, Deduct	*-535.45*	
01 22 23 00-1440	WK	3 To 4 CY Rear Dump Truck With Full-Time Truck Driver	5,173.62	
		For Equipment Without Operator, Deduct	*-3,826.79*	
01 22 23 00-1441	MO	3 To 4 CY Rear Dump Truck With Full-Time Truck Driver	20,074.53	
		For Equipment Without Operator, Deduct	*-16,582.75*	
		For >6 Months (>26 Weeks), Deduct	*-139.67*	
01 22 23 00-1442	DAY	5 To 6 CY Rear Dump Truck With Full-Time Truck Driver	1,324.04	
		For Equipment Without Operator, Deduct	*-765.36*	
		For Half Day Usage, Deduct	*-557.27*	
01 22 23 00-1443	WK	5 To 6 CY Rear Dump Truck With Full-Time Truck Driver	5,323.27	
		For Equipment Without Operator, Deduct	*-3,826.79*	
01 22 23 00-1444	MO	5 To 6 CY Rear Dump Truck With Full-Time Truck Driver	20,174.29	
		For Equipment Without Operator, Deduct	*-16,582.75*	
		For >6 Months (>26 Weeks), Deduct	*-143.66*	
01 22 23 00-1445	DAY	12 To 14 CY Rear Dump Truck With Full-Time Truck Driver	2,152.09	
		For Equipment Without Operator, Deduct	*-765.36*	
		For Half Day Usage, Deduct	*-816.03*	
01 22 23 00-1446	WK	12 To 14 CY Rear Dump Truck With Full-Time Truck Driver	7,029.25	
		For Equipment Without Operator, Deduct	*-3,826.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1447	MO	12 To 14 CY Rear Dump Truck With Full-Time Truck Driver	24,963.01	
		For Equipment Without Operator, Deduct	*-16,582.75*	
		For >6 Months (>26 Weeks), Deduct	*-335.21*	
01 22 23 00-1448	DAY	18 CY Rear Dump Truck With Full-Time Truck Driver	2,290.77	
		For Equipment Without Operator, Deduct	*-765.36*	
		For Half Day Usage, Deduct	*-859.37*	
01 22 23 00-1449	WK	18 CY Rear Dump Truck With Full-Time Truck Driver	7,349.49	
		For Equipment Without Operator, Deduct	*-3,826.79*	
01 22 23 00-1450	MO	18 CY Rear Dump Truck With Full-Time Truck Driver	25,801.04	
		For Equipment Without Operator, Deduct	*-16,582.75*	
		For >6 Months (>26 Weeks), Deduct	*-368.73*	

01 22 23 00-1451 Vacuum Trucks *(01 22 23 00-1410)*

01 22 23 00-1452	DAY	5,000 Gallon Vacuum Truck With Full-Time Truck Driver	2,142.12	
		For Equipment Without Operator, Deduct	*-765.36*	
		For Half Day Usage, Deduct	*-812.92*	
01 22 23 00-1453	WK	5,000 Gallon Vacuum Truck With Full-Time Truck Driver	7,973.02	
		For Equipment Without Operator, Deduct	*-3,826.79*	
01 22 23 00-1454	MO	5,000 Gallon Vacuum Truck With Full-Time Truck Driver	28,817.93	
		For Equipment Without Operator, Deduct	*-16,582.75*	
		For >6 Months (>26 Weeks), Deduct	*-489.41*	

01 22 23 00-1455 Water Trucks *(01 22 23 00-1410)*

Note: Includes pump and 1-1/2" Diameter x 50' water hose. See CSI section 01 22 23 00-1202 for additional discharge hose, 01 22 23 00-1480 for water trailer, 31 23 23 23-0001 for compaction water as required for earth/aggregate backfill.

01 22 23 00-1456	DAY	2,000 Gallon Water Truck With Full-Time Driver	1,414.26	
		For Equipment Without Operator, Deduct	*-765.36*	
		For Each 1,000 Gallon Of Purchased Water, Add	*14.94*	
		For Half Day Usage, Deduct	*-585.46*	
01 22 23 00-1457	WK	2,000 Gallon Water Truck With Full-Time Driver	5,535.56	
		For Equipment Without Operator, Deduct	*-3,826.79*	
		For Each 1,000 Gallon Of Purchased Water, Add	*14.94*	
01 22 23 00-1458	MO	2,000 Gallon Water Truck With Full-Time Driver	20,620.35	
		For Equipment Without Operator, Deduct	*-16,582.75*	
		For Each 1,000 Gallon Of Purchased Water, Add	*14.94*	
		For >6 Months (>26 Weeks), Deduct	*-161.50*	
01 22 23 00-1459	DAY	3,700 To 4,000 Gallon Water Truck With Full-Time Truck Driver	1,731.50	
		For Equipment Without Operator, Deduct	*-765.36*	
		For Each 1,000 Gallon Of Purchased Water, Add	*14.94*	
		For Half Day Usage, Deduct	*-684.60*	
01 22 23 00-1460	WK	3,700 To 4,000 Gallon Water Truck With Full-Time Truck Driver	6,487.28	
		For Equipment Without Operator, Deduct	*-3,826.79*	
		For Each 1,000 Gallon Of Purchased Water, Add	*14.94*	
01 22 23 00-1461	MO	3,700 To 4,000 Gallon Water Truck With Full-Time Truck Driver	23,071.75	
		For Equipment Without Operator, Deduct	*-16,582.75*	
		For Each 1,000 Gallon Of Purchased Water, Add	*14.94*	
		For >6 Months (>26 Weeks), Deduct	*-259.56*	

01 22 23 00-1462 Asphalt Distribution Trucks *(01 22 23 00-1410)*

01 22 23 00-1463	DAY	3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver	2,126.45	
		For Equipment Without Operator, Deduct	*-765.36*	
		For Half Day Usage, Deduct	*-808.02*	
01 22 23 00-1464	WK	3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver	7,892.58	
		For Equipment Without Operator, Deduct	*-3,826.79*	
01 22 23 00-1465	MO	3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver	28,602.25	
		For Equipment Without Operator, Deduct	*-16,582.75*	
		For >6 Months (>26 Weeks), Deduct	*-480.78*	

01 22 23 00-1466 Traffic Control Truck With Mounted Impact Attenuators/Crash Cushions And Arrow Board *(01 22 23 00-1410)*

01 22 23 00-1467	DAY	Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver	1,506.22	
		For Equipment Without Operator, Deduct	*-760.81*	
		For Half Day Usage, Deduct	*-613.35*	
01 22 23 00-1468	WK	Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver	6,003.95	
		For Equipment Without Operator, Deduct	*-3,804.03*	
01 22 23 00-1469	MO	Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver	21,826.55	
		For Equipment Without Operator, Deduct	*-16,484.12*	
		For >6 Months (>26 Weeks), Deduct	*-213.70*	

01 22 23 00-1470 Straight/Box Trucks *(01 22 23 00-1410)*

01 22 23 00-1471	DAY	18,000 Lb. Capacity, 24' Straight/Box Truck With Full-Time Truck Driver Note: Includes 2,500 Lb. lift gate.	890.83	
		For Equipment Without Operator, Deduct	*-765.36*	
		For Half Day Usage, Deduct	*-421.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1472	WK	18,000 Lb. Capacity, 24' Straight/Box Truck With Full-Time Truck Driver Note: Includes 2,500 Lb. lift gate.	4,454.13	
		For Equipment Without Operator, Deduct	*-3,826.79*	
01 22 23 00-1473	MO	18,000 Lb. Capacity, 24' Straight/Box Truck With Full-Time Truck Driver Note: Includes 2,500 Lb. lift gate.	18,434.59	
		For Equipment Without Operator, Deduct	*-16,582.75*	
		For >6 Months (>26 Weeks), Deduct	*-74.07*	

01 22 23 00-1474 Truck Mounted Accessories *(01 22 23 00-1409)*
Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-1475 Truck Mounted Arrow Boards *(01 22 23 00-1474)*

01 22 23 00-1476	DAY	Truck Mounted Arrow Board	55.92	
		For Half Day Usage, Deduct	*-17.48*	
01 22 23 00-1477	WK	Truck Mounted Arrow Board	222.39	
01 22 23 00-1478	MO	Truck Mounted Arrow Board	792.98	
		For >6 Months (>26 Weeks), Deduct	*-31.72*	

01 22 23 00-1479 Trailers *(01 22 23 00-1409)*
Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-1480 Water Trailers With Pump *(01 22 23 00-1479)*

01 22 23 00-1481	DAY	500 To 600 Gallon Water Trailer With Pump	165.83	
		For Half Day Usage, Deduct	*-51.82*	
01 22 23 00-1482	WK	500 To 600 Gallon Water Trailer With Pump	425.39	
01 22 23 00-1483	MO	500 To 600 Gallon Water Trailer With Pump	1,139.18	
		For >6 Months (>26 Weeks), Deduct	*-45.57*	

01 22 23 00-1484 Refrigerated Trailers *(01 22 23 00-1479)*
Note: Excludes electrical supply and connection

01 22 23 00-1485	MO	8' x 40' Refrigerated Container Trailer Note: Requires 460 volt, 3 phase electrcial power connection. See CSI section 10 56 13 00-0000 for metal storage shelving, 26 05 00 00-0000 for electrical wiring.	2,160.36	

01 22 23 00-1486 Personnel And Material Hoists *(01 22 23)*

01 22 23 00-1487	MO	6,000 LBS Capacity Car (travel speed 300 fpm), 180' Overall Height, 12 Stops/1 Roof Stop, Personnel And Material Hoist Note: Includes mast base and enclosure, cable guides, cable trolley and 36 vertical mast sections	12,886.44	
01 22 23 00-1488	MO	7,100 LBS Capacity Car (travel speed 175 fpm), 180' Overall Height, 12 Stops/1 Roof Stop, Personnel And Material Hoist Note: Includes mast base and enclosure, cable guides, cable trolley and 36 vertical mast sections	15,314.32	
01 22 23 00-1489	MO	Maintenance And Repair For Personnel And Material Hoist	2,217.78	
01 22 23 00-1490	MO	Elevator Intercom Rentals For Personnel And Material Hoist, Each Car	700.35	
01 22 23 00-1491	HR	Operator For Personnel And Material Hoist	123.74	
01 22 23 00-1492	EA	Horizontial Mast Tie For Personnel And Material Hoist Note: 6 Required	718.60	
01 22 23 00-1493	EA	Mobilization and set up Personnel And Material Hoist Note: Excludes crane See CSI section 01 22 23 00-0969 for hydraulic cranes.	36,584.58	
01 22 23 00-1494	EA	Demobilization and Dismantle Personnel And Material Hoist Note: Excludes crane See CSI section 01 22 23 00-0969 for hydraulic cranes.	26,044.00	
01 22 23 00-1495	EA	Floor Stop Platforms And Doors For Personnel And Material Hoist	1,322.21	
01 22 23 00-1496	EA	Roof Stop Platform And Doors For Personnel And Material Hoist	1,510.43	
01 22 23 00-1497	EA	12' x 12' x 2' Depth, Concrete Foundation And Removal For Personnel And Material Hoist	14,126.39	
01 22 23 00-1498	EA	8' x 12' Custom Deck And Ramp For Personnel And Material Hoist	8,805.66	
01 22 23 00-1499	EA	Engineering For Personnel And Material Hoist Note: Includes wind loads calcs/vertical load calcs/horiz. load calcs	5,322.66	
01 22 23 00-1500	EA	State and Local inspections/Testing Rquirements (drop tests) For Personnel And Material Hoist	5,416.04	
01 22 23 00-1501	EA	OSHA Certification & Inspection For Personnel And Material Hoist	2,801.40	
01 22 23 00-1502	EA	480 Volt, 3-Phase, 100-190 Amperes, Electrical Transfer Switch / Disconnect Panel With Breakers For Personnel And Material Hoist Note: If fed from generator See CSI section 01 22 23 00-0685 for generators.	10,339.13	

01 30 Administrative Requirements *(01)*

01 35 Special Procedures *(01 30)*

01 35 29 Health, Safety, and Emergency Response Procedures *(01 35)*
See CSI section 02 90 00 00-0000 for disaster recovery task.

01 35 29 00-0001 Emergency Response *(01 35 29)*
See CSI section 01 22 20 00-0001 for labor services to load and unload shipping container, 01 22 20 00-0062 for security guards, 01 22 23 00-0000 for portable equipment usage (air compressors, generators, lighting, etc.), 01 52 13 00-0030 for container usage.

01 35 29 00-0002	MI	Trucking Delivery Of 20' Shipping Container	2.70	
01 35 29 00-0003	MI	Trucking Delivery Of 40' Shipping Container	5.40	

01 35 33 Infection Control Procedures *(01 35)*
See CSI section 02 87 19 00-0000 for Bio-Hazard And Infectious Disease Control Remediation.

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 40 Quality Requirements *(01)*

01 41 Regulatory Requirements *(01 40)*

01 41 26 Permit Requirements *(01 41)*

See CSI section 01 22 16 00-0001 for reimbursable fees.

01 42 References *(01 40)*

01 42 13 Abbreviations and Acronyms *(01 42)*

Note: For specification publishing. Review specifications for requirements.

01 42 13 00-0001 NTE Abbreviations And Acronyms 0.00
Note: For specification publishing. Review specifications for requirements.

01 42 16 Definitions *(01 42)*

Note: For specification publishing. Review specifications for requirements.

01 42 16 00-0001 NTE Definitions 0.00
Note: For specification publishing. Review specifications for requirements.

01 42 19 Reference Standards *(01 42)*

Note: For specification publishing. Review specifications for requirements.

01 42 19 00-0001 NTE Reference Standards 0.00
Note: For specification publishing. Review specifications for requirements.

01 42 21 Construction Suppliers or Venor List *(01 42)*

Note: For specification publishing. Review specifications for requirements.

01 42 21 00-0001 NTE Construction Suppliers or Venor List 0.00
Note: For specification publishing. Review specifications for requirements.

01 43 Quality Assurance *(01 40)*

01 43 39 Mockups *(01 43)*

01 43 39 00-0001 Story Pole Installation *(01 43 39)*

01 43 39 00-0002 EA Story Pole Installation, Per 15' Pole 222.70
Note: Includes installation of story poles with flag rope and removal of story poles following completion. One mobilization for installation of all poles / One mobilization for removal of all poles. Story Poles shall be braced at the base by use of guy wires or supporting beams. Guy wires shall be flagged for safety. 1) Story poles will require attachment to existing structures, fences, landscaping or other site improvements. a) No repairs, waterproofing or patching to existing structures, fences, landscaping other site improvements are included prior to or during the installation or after removal of materials from the site. b) Existing structures and sites must be in a safe working condition. If unsafe or dangerous conditions are present, poles will not be installed in these areas. c) Marking paint will be used at story pole locations. d) Prior to the crew's arrival: If attachments are not to be made to any site items or protected trees, these must be clearly marked on the plans and on site by the Owner. Vacant parcels to have property boundaries marked. 2) Site to be free of brush, foliage, poisonous plants, pools, vehicles and power lines in areas where story poles are to be installed prior to crew's arrival on site. a) Foliage to be trimmed back 3' on either side of stringline and clear from existing grade to stringline height. b) If lines cannot be connected through the existing trees or foliage, lines will be strung under the obstructions or poles will be installed with a single flag on top without connecting string lines. 3) Existing parking spaces, walkways and building access may need to be closed to pedestrians and vehicles prior to or for the duration of the installation. Owner responsible for providing, protecting and maintaining closure of these areas. 4) If Owner or hiring party is providing survey work: Poles will only be placed on stakes placed by surveyor prior to installation at each pole location with fill heights (pole heights) provided on each stake. Staking plans and cut sheets to be provided by the Owner/Surveyor, prior to crew's mobilization. Surveyor to stake on existing structures-No offset stakes.

01 43 39 00-0003 EA Story Pole Installation, Per 24' Pole 279.31
Note: Includes installation of story poles with flag rope and removal of story poles following completion. One mobilization for installation of all poles / One mobilization for removal of all poles. Story Poles shall be braced at the base by use of guy wires or supporting beams. Guy wires shall be flagged for safety. 1) Story poles will require attachment to existing structures, fences, landscaping or other site improvements. a) No repairs, waterproofing or patching to existing structures, fences, landscaping other site improvements are included prior to or during the installation or after removal of materials from the site. b) Existing structures and sites must be in a safe working condition. If unsafe or dangerous conditions are present, poles will not be installed in these areas. c) Marking paint will be used at story pole locations. d) Prior to the crew's arrival: If attachments are not to be made to any site items or protected trees, these must be clearly marked on the plans and on site by the Owner. Vacant parcels to have property boundaries marked. 2) Site to be free of brush, foliage, poisonous plants, pools, vehicles and power lines in areas where story poles are to be installed prior to crew's arrival on site. a) Foliage to be trimmed back 3' on either side of stringline and clear from existing grade to stringline height. b) If lines cannot be connected through the existing trees or foliage, lines will be strung under the obstructions or poles will be installed with a single flag on top without connecting string lines. 3) Existing parking spaces, walkways and building access may need to be closed to pedestrians and vehicles prior to or for the duration of the installation. Owner responsible for providing, protecting and maintaining closure of these areas. 4) If Owner or hiring party is providing survey work: Poles will only be placed on stakes placed by surveyor prior to installation at each pole location with fill heights (pole heights) provided on each stake. Staking plans and cut sheets to be provided by the Owner/Surveyor, prior to crew's mobilization. Surveyor to stake on existing structures-No offset stakes.

01 43 39 00-0004 EA Maintenance Of Story Poles, Per Pole, Per Month 246.67
Note: Maintenance excludes damage by vandalism, extreme weather and modifications/ damages by anyone or any party that is not authorized to modify the story poles.

01 45 Quality Control *(01 40)*

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

Note: Refer to section specifications for testing included with other sections.

01 45 23 Testing and Inspecting Services *(01 45)*

Note: For application to existing materials/site conditions or additional testing over specifications stated tests. Includes acquisition and maintenance of sample (for laboratory tests) to include shipping as required, applicable equipment for field tests, and appropriate test reports.

01 45 23 00-0001 Soils/Aggregate Testing *(01 45 23)*

01 45 23 00-0002 Field Soils Tests *(01 45 23 00-0001)*

01 45 23 00-0003	EA	Plasticity Index Soils Test, ASTM D-4318, Field Soils Test	353.86
01 45 23 00-0004	EA	4" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test	502.26
01 45 23 00-0005	EA	6" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test	570.75
01 45 23 00-0006	EA	Resistance (R) Value Soils Test, CA 301, Field Soils Test	456.60
01 45 23 00-0007	EA	Soils Classification Test, ASTM D-2487, Field Soils Test	684.90
01 45 23 00-0008	SET	Cement Treated Base Laboratory Design, Soil Cement, Field Soils Test	1,369.34
01 45 23 00-0009	EA	Moisture Content, Field Soils Test	51.35
01 45 23 00-0010	EA	UBC Or Swell Test, Field Soils Test	136.98
01 45 23 00-0011	EA	Proctor Compaction 4" Standard Mold ASTM D698, Field Soils Test	342.33
01 45 23 00-0012	EA	Proctor Compaction 6" Standard Mold, Field Soils Test	427.92
01 45 23 00-0013	EA	Density And Classification Test, Field Soils Test	104.27
01 45 23 00-0014	EA	Percolation Test, Field Soils Test	260.67
01 45 23 00-0015	EA	Infiltration Test, Field Soils Test	521.35

01 45 23 00-0016 Aggregate Testing *(01 45 23 00-0001)*

01 45 23 00-0017	EA	Coarse Aggregate Sieve Analysis Test, ASTM C-136, CA 202	114.15
01 45 23 00-0018	EA	Fine Aggregate Sieve Analysis Test, ASTM C-136, CA 202	205.47
01 45 23 00-0019	EA	Combined Aggregate Sieve Analysis Test, ASTM C-136, CA 202	285.38
01 45 23 00-0020	EA	Sieve Analysis, Pit Run, ASTM C136 Note: Includes wash.	169.44
01 45 23 00-0021	EA	Specific Special Gravity, Course, ASTM C127 Note: Includes absorption test.	181.37
01 45 23 00-0022	EA	Special Gravity, Fine, ASTM C127 Note: Includes absorption test.	162.61
01 45 23 00-0023	EA	Coarse Aggregate Bulk SSD Specific Gravity Test, ASTM C-128	241.83
01 45 23 00-0024	EA	Fine Aggregate Bulk SSD Specific Gravity Test, ASTM C-128	228.30
01 45 23 00-0025	EA	Aggregate Cleanness Value, ASTM C-128, CA 227	228.30
01 45 23 00-0026	EA	Sand Equivalent, Average of 3 Tests, ASTM D2419, CA 217	171.22
01 45 23 00-0027	EA	Fine Aggregate Durability Index, CA 229	182.64
01 45 23 00-0028	EA	Sodium And Magnesium Soundness, ASTM C88	479.27
01 45 23 00-0029	EA	Los Angeles Rattler, ASTM C-131, CA 211	365.28
01 45 23 00-0030	EA	Los Angeles Rattler, ASTM C-535	365.28
01 45 23 00-0031	EA	Unit Weight Of Aggregates, ASTM C29	102.74
01 45 23 00-0032	EA	Organic Impurities In Sand, ASTM C40	102.70
01 45 23 00-0033	EA	Crushed Particle, ASTM California Test Method	102.70
01 45 23 00-0034	EA	Clay Lump And Friable Particles, ASTM C142	205.40

01 45 23 00-0035 Permeability Tests *(01 45 23 00-0001)*

01 45 23 00-0036 In-Place Tests *(01 45 23 00-0035)*

01 45 23 00-0037	EA	Double Ring Infiltrometer Test, ASTM D3385	1,813.72
01 45 23 00-0038	EA	Unconfined Compressive Strength (Pocket Penetrometer) Test	85.58

01 45 23 00-0039 Lab Tests *(01 45 23 00-0035)*

01 45 23 00-0040	EA	Falling Head Rigid Wall Consolidometer Technique CAE	846.40
01 45 23 00-0041	EA	Falling Head Permeability Test EPA-9100	846.40
01 45 23 00-0042	EA	Constant Head Permeability Test For Granular Soils, ASTM D2432	483.66

01 45 23 00-0043 Concrete/Cement/Asphalt Testing *(01 45 23)*

01 45 23 00-0044 Concrete Testing *(01 45 23 00-0043)*

01 45 23 00-0045	EA	Prepare 6 x 12 Concrete Cylinder And Deliver To Lab	25.13
01 45 23 00-0046	EA	6 x 12 Cylinder Concrete Compression Test, ASTM C-39 Or ASTM D1633	72.55
01 45 23 00-0047	EA	Concrete Cores Compression Test, ASTM C-42	148.40
01 45 23 00-0048	EA	6 x 6 x 18 Concrete Flexural Test, ASTM C-78	216.88
01 45 23 00-0049	EA	Unit Weight Of Concrete Cylinder, ASTM C-567	79.90
01 45 23 00-0050	EA	Concrete Mix Design Review	433.77
01 45 23 00-0051	EA	Trial Concrete Batch Prepared In Laboratory	1,027.35
01 45 23 00-0052	EA	Concrete Shrinkage, ASTM C-157 Modified	799.05
01 45 23 00-0053	EA	6 x 12 Concrete Cylinder Splitting Tensile Test, ASTM C-496	123.28
01 45 23 00-0054	EA	Concrete Slump Test, ASTM C143	57.08
01 45 23 00-0055	EA	Concrete Air Content Test, ASTM C138, ASTM C173, Or ASTM C231	57.08

01 45 23 00-0056 Cement Testing *(01 45 23 00-0043)*

01 45 23 00-0057	EA	Cement Grab Sample (CCR Title 24) Note: Includes sealing and storing 1 year.	57.08
01 45 23 00-0058	EA	2" x 2" x 2" Cube Compression Test, All Type Materials	91.32

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 23 00-0059		Asphaltic Concrete Testing *(01 45 23 00-0043)*		
01 45 23 00-0060	EA	Hveem Asphaltic Concrete Stability Test, CA 366	114.15	
01 45 23 00-0061	EA	Marshall Asphaltic Concrete Stability Test (3 Specimens), ASTM D-6926/6927	296.79	
01 45 23 00-0062	EA	Stability Tests, Premixed, ASTM D1559	114.15	
01 45 23 00-0063	EA	Stability Tests, Lab. Mixed, ASTM D1559	296.79	
01 45 23 00-0064	EA	Swell Test, CA 305	136.98	
		Note: Includes compaction.		
01 45 23 00-0065	EA	% Asphalt Extraction Test, ASTM D-2172 B	342.45	
01 45 23 00-0066	EA	Gradation On Extracted Sample, ASTM D-5444	228.30	
01 45 23 00-0067	EA	Maximum Theoretical Unit Weight, ASTM C2041	217.65	
01 45 23 00-0068	EA	Unit Weight Sample Requiring Compaction, California Test Method 308	45.66	
01 45 23 00-0069	EA	Asphalt Unit Weight On Core Test, CA 308C	45.66	
01 45 23 00-0070	HR	Nuclear Field Density Testing, 4 Hour Minimum	235.15	
01 45 23 00-0071	EA	Asphalt Film Stripping Test, CTM 302/AASHTO T182/ASTM D1664	117.30	
01 45 23 00-0072	EA	Penetration, ASTM D5	164.90	
01 45 23 00-0073		Masonry/Concrete Block/Tile Testing *(01 45 23)*		
01 45 23 00-0074		Masonry Testing *(01 45 23 00-0073)*		
01 45 23 00-0075	EA	2" x 4" Cylinder Mortar Compression Test	75.34	
01 45 23 00-0076	EA	4" x 4" x 8" Grout Prisms Compression Test	75.34	
01 45 23 00-0077	EA	Masonry Cores Compression Test	148.40	
01 45 23 00-0078	EA	Composite Grouted Prism Compression Test	285.38	
01 45 23 00-0079		Concrete Block Testing (ASTM C140 Or CMA Per Specimen) *(01 45 23 00-0073)*		
01 45 23 00-0080	EA	Up To 8" x 8" x 16" Concrete Block Compression Test, ASTM C-140	182.64	
01 45 23 00-0081	EA	Absorption Test, Moisture Content And Unit Weight	125.56	
01 45 23 00-0082	EA	First Unit, Moisture Condition By Relative Humidity, ASTM C427	479.27	
01 45 23 00-0083	EA	Moisture Condition By Relative Humidity, ASTM C427, Additional Unit	239.63	
01 45 23 00-0084		Metals Testing *(01 45 23)*		
01 45 23 00-0085		Tank Tightness Testing *(01 45 23 00-0084)*		
01 45 23 00-0086	GAL	Up To 20 Gallon, Hydrostatic Pressure Testing Of Air Receiving Tanks	8.20	
01 45 23 00-0087	GAL	>20 To 120 Gallon, Hydrostatic Pressure Testing Of Air Receiving Tanks	7.03	
01 45 23 00-0088	EA	Up To 12,000 Gallons, Tank Volumetric Tightness Testing	2,108.35	
01 45 23 00-0089	EA	>12,000 To 29,999 Gallons, Tank Volumetric Tightness Testing	2,576.04	
01 45 23 00-0090	EA	>29,999 Gallons, Tank Volumetric Tightness Testing	3,280.70	
01 45 23 00-0091		Tank Line Tightness Testing *(01 45 23 00-0084)*		
01 45 23 00-0092	EA	Up To 12,000 Gallons, Tank Line Volumetric Tightness Testing	444.87	
01 45 23 00-0093	EA	>12,000 To 29,999 Gallons, Tank Line Volumetric Tightness Testing	493.99	
01 45 23 00-0094	EA	>29,999 Gallons, Tank Line Volumetric Tightness Testing	542.93	
01 45 23 00-0095		Other Testing *(01 45 23)*		
01 45 23 00-0096		Special Testing *(01 45 23 00-0095)*		
01 45 23 00-0097	EA	Asphalt Roofing Cutout Samples, To Determine Unit Weight	171.17	
01 45 23 00-0098	EA	Complete Built-Up Roof Analysis, ASTM D2829 Or ASTM D3617	1,027.00	
01 45 23 00-0099	EA	Bacteria Test (Total Coliform Bacteria And E. Coli Bacteria)	53.35	
01 45 23 00-0100	EA	Liquid Chromatography Testing	278.10	
01 45 23 00-0101	EA	Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Caulk, Analysis Per Sample	221.30	
01 45 23 00-0102	EA	Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Soil, Analysis Per Sample	221.30	
01 45 23 00-0103	EA	Testing For The Presence Of Polychlorinated Biphenyl (PCB) Using Wipe Sampling, Analysis Per Sample	221.30	
01 45 23 00-0104	EA	Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Air, Analysis Per Sample	1,217.15	
01 45 23 00-0105	EA	Testing And Certification Of Backflow Valves	545.56	
01 45 23 00-0106		Non-destructive Field Testing Services *(01 45 23 00-0095)*		
01 45 23 00-0107		Infrared Thermography *(01 45 23 00-0106)*		
		Note: The following tasks use certified infrared (IR) thermographers, such as Stockton Infrared Thermographic Services, Inc. and United Infrared, Inc., to scan for specific problems and produce a report on the findings. The contractor is entitled to the mobilization charge and the appropriate square foot or hourly task.		
01 45 23 00-0108		Roof Investigation And Moisture Survey Using Infrared Thermography *(01 45 23 00-0107)*		
		Note: For on the roof surveys.		
01 45 23 00-0109	EA	Roof Investigation And Moisture Survey Using Infrared Thermography, Mobilization Charge	3,983.40	
01 45 23 00-0110	CSF	Up To 10,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography	6.64	
		For CADD Drawings, Add	*1.33*	
01 45 23 00-0111	CSF	>10,000 To 50,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography	4.43	
		For CADD Drawings, Add	*0.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 23 00-0112	CSF	>50,000 To 250,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography	3.32	
		For CADD Drawings, Add	*0.66*	
		For Elevated Infrared Thermography Roof Investigation, Add	*0.83*	
		For Aerial Infrared Thermography Roof Investigation, Add	*0.83*	
01 45 23 00-0113	CSF	>250,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography	2.21	
		For CADD Drawings, Add	*0.44*	
		For Elevated Infrared Thermography Roof Investigation, Add	*0.55*	
		For Aerial Infrared Thermography Roof Investigation, Add	*0.55*	

01 45 23 00-0114 Building Moisture Investigation Using Infrared Thermography *(01 45 23 00-0107)*

Note: For finding moisture in walls and windows.

01 45 23 00-0115	EA	Building Moisture Investigation Using Infrared Thermography, Mobilization Charge	2,102.35	
01 45 23 00-0116	CSF	Up To 1,000 SF, Building Moisture Investigation Using Infrared Thermography	6.64	
		For Digital Or Analog Recording Of All Items, Add	*3.32*	
01 45 23 00-0117	CSF	>1,000 To 5,000 SF, Building Moisture Investigation Using Infrared Thermography	4.43	
		For Digital Or Analog Recording Of All Items, Add	*2.22*	
01 45 23 00-0118	CSF	>5,000 SF, Building Moisture Investigation Using Infrared Thermography	2.21	
		For Digital Or Analog Recording Of All Items, Add	*1.11*	

01 45 23 00-0119 General Building Investigation Using Infrared Thermography *(01 45 23 00-0107)*

Note: For finding missing or misplaced insulation, air leakage and delamination.

01 45 23 00-0120	EA	General Building Investigation Using Infrared Thermography, Mobilization Charge	4,315.35	
01 45 23 00-0121	CSF	Up To 1,000 SF, General Building Investigation Using Infrared Thermography	6.64	
		For Digital Or Analog Recording Of All Items, Add	*3.32*	
01 45 23 00-0122	CSF	>1,000 To 5,000 SF, General Building Investigation Using Infrared Thermography	4.43	
		For Digital Or Analog Recording Of All Items, Add	*2.22*	
01 45 23 00-0123	CSF	>5,000 SF, General Building Investigation Using Infrared Thermography	2.21	
		For Digital Or Analog Recording Of All Items, Add	*1.11*	

01 45 23 00-0124 Electrical /Mechanical Equipment Scanning Using Infrared Thermography *(01 45 23 00-0107)*

Note: For diagnosing electrical issues such as loose connections, overloaded or imbalanced circuits, faulty breakers, damaged switches, faulty fuses, etc. For diagnosing electrical issues caused by resistance and mechanical issues caused by friction.

01 45 23 00-0125	EA	Electrical /Mechanical Equipment Scanning Using Infrared Thermography, Mobilization Charge	2,102.35	
01 45 23 00-0126	HR	Electrical /Mechanical Equipment Scanning Using Infrared Thermography	224.40	
		For Digital Or Analog Recording Of All Items, Add	*33.59*	

01 45 23 00-0127 Concrete Block Wall Investigation Using Infrared Thermography *(01 45 23 00-0107)*

Note: For investigating issues with grouted cells, bond beams and other structural components in concrete block walls.

01 45 23 00-0128	EA	Concrete Block Wall Investigation Using Infrared Thermography, Mobilization Charge	2,102.35	
01 45 23 00-0129	CSF	Up To 50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography	6.64	
		For Digital Or Analog Recording Of All Items, Add	*1.00*	
01 45 23 00-0130	CSF	>50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography	4.43	
		For Digital Or Analog Recording Of All Items, Add	*0.66*	

01 45 23 00-0131 Other Non-destructive Field Testing Services *(01 45 23 00-0106)*

01 45 23 00-0132	HR	ASNT Certified Level I NDT Consultant	78.08	
01 45 23 00-0133	HR	ASNT Certified Level II NDT Consultant	86.95	
01 45 23 00-0134	HR	ASNT Certified Level III NDT Consultant	101.20	
01 45 23 00-0135	HR	Certified Industrial Radiography Radiation Safety Personnel	113.15	

01 45 23 00-0136 Concrete Slab Moisture Testing *(01 45 23 00-0095)*

01 45 23 00-0137	EA	Concrete Slab, Moisture Emission Determination For Floor Covering On Existing Concrete	162.73	

01 45 29 Testing Laboratory Services *(01 45)*

Note: For application to existing materials/site conditions or additional testing over specifications stated tests.

01 45 29 00-0001 Soil Borings Laboratory Tests *(01 45 29)*

See CSI section 02 32 13 00-0000 for soil borings.

01 45 29 00-0002	EA	Atterberg Limits - Liquid Limits (LL) And Plastic Limits (PL), T89, T90, ASTM D4318, Soil Borings Laboratory Test	157.19	
01 45 29 00-0003	EA	Shrinkage Limit, Soil Borings Laboratory Test	50.15	
01 45 29 00-0004	EA	Unconfined Compressive Strength of Cohesive Soils, Soil Borings Laboratory Test	120.92	
01 45 29 00-0005	EA	Consolidation, Soil Borings Laboratory Test	846.40	
01 45 29 00-0006	EA	Swell Test, Soil Borings Laboratory Test	132.70	
01 45 29 00-0007	EA	In Place Density, Soil Borings Laboratory Test	36.27	
01 45 29 00-0008	EA	Moisture Content, ASTM D2216, Soil Borings Laboratory Test	22.53	
01 45 29 00-0009	EA	Hydrometer Analysis, Soil Borings Laboratory Test	290.95	
01 45 29 00-0010	EA	Specific Gravity, ASTM D854, Soil Borings Laboratory Test	101.43	
01 45 29 00-0011	EA	Partial Sieve Analysis, Soil Borings Laboratory Test	20.06	
01 45 29 00-0012	EA	Laboratory Permeability, Soil Borings Laboratory Test	1,002.97	
01 45 29 00-0013	EA	Sieve Analysis, ASTM D422, Soil Borings Laboratory Test	202.87	
01 45 29 00-0014	EA	Sulfate Soundness, Soil Borings Laboratory Test	250.74	
01 45 29 00-0015	EA	Los Angeles Abrasion, Soil Borings Laboratory Test	464.14	
01 45 29 00-0016	EA	Soil Bearing Ratio, ASTM D1883	513.68	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 29 00-0017	EA	Compaction Test Subgrade, Soil Borings Laboratory Test	150.45	
01 45 29 00-0018	EA	Compaction Test Base Course, Soil Borings Laboratory Test	167.16	
01 45 29 00-0019	EA	In Place Density And Water Content Test By Nuclear Methods, ASTM D6938, Soil Borings Laboratory Test	358.78	
01 45 29 00-0020	EA	Field Density Sand Cone, AASHTO T-191, ASTM D1556, Soil Borings Laboratory Test	76.89	

01 50 Temporary Facilities and Controls *(01)*

Note: Tasks in this section shall be used as directed by owner.

01 51 Temporary Utilities *(01 50)*

01 51 13 Temporary Electricity *(01 51)*

01 51 13 00-0001 Temporary Power Pole Rentals *(01 51 13)*

Note: Includes installation in ground and removal after use.

01 51 13 00-0002	MON	17' To 35' Temporary Wood Power Pole Rental For 100 Amperes Service	93.66	
01 51 13 00-0003	MON	17' To 35' Temporary Wood Power Pole Rental For 200 Amperes Service	112.39	
01 51 13 00-0004	EA	Power Installation For 100 Amperes Service Note: One time fee	936.55	
01 51 13 00-0005	EA	Power Installation For 200 Amperes Service Note: One time fee	1,123.86	

01 51 13 00-0006 Temporary Service Switch And/or Building Feeder Switch *(01 51 13)*

Note: Includes all connections and removal after use.

01 51 13 00-0007	EA	Temporary 100 Amperes, NEMA 1 Or 3R, Disconnect Switch With Fuses	1,587.82	
01 51 13 00-0008	EA	Temporary 200 Amperes, NEMA 1 Or 3R, Disconnect Switch With Fuses	2,465.09	
01 51 13 00-0009	EA	Temporary 400 Amperes, 240 Volt, NEMA 3R, Disconnect Switch With Fuses	4,515.77	
01 51 13 00-0010	EA	Temporary 600 Amperes, 240 Volt, NEMA 3R, Disconnect Switch With Fuses	7,406.86	

01 51 13 00-0011 Temporary 120/208 Volt Main Lug Panelboard Complete With Branch Fuses *(01 51 13)*

Note: Includes mounting on wall and removal after use.

01 51 13 00-0012	EA	Temporary 100 Amperes, Panelboard Complete With GFCI Circuit Breakers	1,640.47	
01 51 13 00-0013	EA	Temporary 200 Amperes, Panelboard Complete With GFCI Circuit Breakers	2,297.20	
01 51 13 00-0014	EA	Temporary 400 Amperes, Panelboard Complete With GFCI Circuit Breakers	3,592.46	
01 51 13 00-0015	EA	Temporary 600 Amperes, Panelboard Complete With GFCI Circuit Breakers	5,117.10	

01 51 13 00-0016 Temporary Conduit And Cable For Temporary Disconnect (Safety) Switches And Temporary Panelboards *(01 51 13)*

Note: Includes all connections, fittings, supports and removal after use.

01 51 13 00-0017	LF	Temporary SER Cable (Conduit As Required) For Temporary Disconnect Switches And Temporary Panelboards	12.18	
01 51 13 00-0018	LF	Temporary Branch Circuit Conduit And Wiring For Temporary Disconnect Switches And Temporary Panelboards	13.35	

01 51 26 Temporary Lighting *(01 51)*

01 51 26 00-0001 Temporary Lighting Devices *(01 51 26)*

Note: Includes removal after use.

01 51 26 00-0002	EA	Temporary Exit Light	289.97	
01 51 26 00-0003	EA	Temporary 10 Light String With Cages	107.35	
01 51 26 00-0004	EA	Temporary High Bay Light	407.39	

01 52 Construction Facilities *(01 50)*

Note: Tasks in this section shall be used as directed by owner for owner's use.

01 52 13 Field Offices and Sheds *(01 52)*

01 52 13 00-0001 Field Offices and Office Trailers *(01 52 13)*

Note: Includes toilet, central HVAC, interior doors and partitions. Excludes furniture, utility connections, or service. For Loss Damage Waiver or General Liability Insurance when requested use Reimbursable Fees. Minimum 6 months rental. See CSI section 01 52 13 00-0015 for furniture, skirting, and steps.

01 52 13 00-0002	MO	8' x 24' Mobile Office, With Toilet	243.93	
		For Each Delivery And Removal, Two Round Trips, Add		*1,226.40*
		For Each Set-Up (Block And Level), Add		*861.17*
		For Each Anchoring Into Dirt, Add Per Each Anchor		*239.84*
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor		*333.87*
		For Knockdown, Add		*830.16*
		For Office Trailer Without Toilet, Deduct		*-48.79*
01 52 13 00-0003	MO	8' x 32' Mobile Office, With Toilet	276.44	
		For Each Delivery And Removal, Two Round Trips, Add		*1,226.40*
		For Each Set-Up (Block And Level), Add		*861.17*
		For Each Anchoring Into Dirt, Add Per Each Anchor		*239.84*
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor		*333.87*
		For Knockdown, Add		*830.16*
		For Office Trailer Without Toilet, Deduct		*-55.29*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 52 13 00-0004	MO	10' x 36' Mobile Office, With Toilet	374.02	
		For Each Delivery And Removal, Two Round Trips, Add	*2,437.98*	
		For Each Set-Up (Block And Level), Add	*1,350.55*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*239.84*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*333.87*	
		For Knockdown, Add	*1,243.18*	
		For Office Trailer Without Toilet, Deduct	*-74.80*	
01 52 13 00-0005	MO	10' x 40' Mobile Office, With Toilet	398.41	
		For Each Delivery And Removal, Two Round Trips, Add	*2,437.98*	
		For Each Set-Up (Block And Level), Add	*1,350.55*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*239.84*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*333.87*	
		For Knockdown, Add	*1,243.18*	
		For Office Trailer Without Toilet, Deduct	*-79.68*	
01 52 13 00-0006	MO	10' x 44' Mobile Office, With Toilet	439.06	
		For Each Delivery And Removal, Two Round Trips, Add	*2,437.98*	
		For Each Set-Up (Block And Level), Add	*1,350.55*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*239.84*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*333.87*	
		For Knockdown, Add	*1,243.18*	
01 52 13 00-0007	MO	10' x 50' Mobile Office, With Toilet	463.46	
		For Each Delivery And Removal, Two Round Trips, Add	*2,437.98*	
		For Each Set-Up (Block And Level), Add	*1,350.55*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*239.84*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*333.87*	
		For Knockdown, Add	*1,243.18*	
01 52 13 00-0008	MO	12' x 32' Mobile Office, With Toilet	376.49	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*239.84*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*333.87*	
		For Knockdown, Add	*1,243.18*	
		For Each Delivery And Removal, Two Round Trips, Add	*765.53*	
		For Each Set-Up (Block And Level), Add	*587.88*	
01 52 13 00-0009	MO	12' x 44' Mobile Office, With Toilet	503.36	
		For Each Delivery And Removal, Two Round Trips, Add	*2,437.98*	
		For Each Set-Up (Block And Level), Add	*1,350.55*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*239.84*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*333.87*	
		For Knockdown, Add	*1,243.18*	
01 52 13 00-0010	MO	12' x 50' Mobile Office, With Toilet	599.24	
		For Each Delivery And Removal, Two Round Trips, Add	*2,437.98*	
		For Each Set-Up (Block And Level), Add	*1,350.55*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*239.84*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*333.87*	
		For Knockdown, Add	*1,243.18*	
01 52 13 00-0011	MO	12' x 60' Mobile Office, With Toilet	828.52	
		For Each Delivery And Removal, Two Round Trips, Add	*2,437.98*	
		For Each Set-Up (Block And Level), Add	*1,350.55*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*239.84*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*333.87*	
		For Knockdown, Add	*1,243.18*	
01 52 13 00-0012	MO	24' x 60' Modular Office, With Toilet	1,300.91	
		For Each Delivery And Removal, Two Round Trips, Add	*3,679.21*	
		For Each Set-Up (Block And Level), Add	*2,418.93*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*239.84*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*333.87*	
		For Knockdown, Add	*2,490.47*	
01 52 13 00-0013	MO	24' x 72' Modular Office, With Toilet	1,561.10	
		For Each Delivery And Removal, Two Round Trips, Add	*3,679.21*	
		For Each Set-Up (Block And Level), Add	*2,418.93*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*239.84*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*333.87*	
		For Knockdown, Add	*2,490.47*	
01 52 13 00-0014	MO	30' x 30' Modular Office, With Toilet	816.12	
		For Each Delivery And Removal, Two Round Trips, Add	*3,679.21*	
		For Each Set-Up (Block And Level), Add	*2,418.93*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*239.84*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*333.87*	
		For Knockdown, Add	*2,490.47*	

01 52 13 00-0015 Accessories For Field Office Trailers *(01 52 13)*

Note: Costs includes installation or placement in trailer.

01 52 13 00-0016	MO	Desk For Field Office Trailer	41.23
01 52 13 00-0017	MO	Rolling Desk Chair For Field Office Trailer	25.77
01 52 13 00-0018	MO	File Cabinet For Field Office Trailer	30.92
01 52 13 00-0019	MO	Table For Field Office Trailer	20.61
01 52 13 00-0020	MO	Folding Chair For Field Office Trailer	9.76
01 52 13 00-0021	EA	Phone Hook-Up For Field Office Trailer	113.37
01 52 13 00-0022	MO	Local Hardwired Phone or Data Service Per Phone Line For Field Office Trailer	82.45
01 52 13 00-0023	MO	Security System With Monitoring For Field Office Trailer	129.90
01 52 13 00-0024	LF	Perimeter Trailer Vinyl Skirting For Field Office Trailer	16.35
01 52 13 00-0025	LF	Insulated Perimeter Trailer Vinyl Skirting For Field Office Trailer	38.73
01 52 13 00-0026	MO	Fax Machine For Field Office Trailer	44.17
01 52 13 00-0027	MO	Copier For Field Office Trailer	82.45
01 52 13 00-0028	MO	Steps For Field Office Trailer	73.65
01 52 13 00-0029	MO	Steps With Canopy For Field Office Trailer	123.44

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 52 13 00-0030 Storage Containers *(01 52 13)*

01 52 13 00-0031	MO	8' x 8' x 10' Storage Container	135.52	
		For Each Delivery And Removal, Two Round Trips, Add	*114.00*	
		For >12 Months, Deduct	*-30.49*	
01 52 13 00-0032	MO	8' x 8' x 20' Storage Container	141.68	
		For Each Delivery And Removal, Two Round Trips, Add	*125.40*	
		For >12 Months, Deduct	*-31.88*	
01 52 13 00-0033	MO	8' x 8' x 40' Storage Container	167.55	
		For Each Delivery And Removal, Two Round Trips, Add	*252.55*	
		For >12 Months, Deduct	*-37.70*	

01 52 19 Sanitary Facilities *(01 52)*

01 52 19 00-0001 Portable Toilets *(01 52 19)*

Note: Includes set-up, servicing once per week (unless task states otherwise) and removal.

01 52 19 00-0002	WK	Portable Chemical Toilet	78.33	
		For Each Additional Servicing Per Unit Per Week, Add	*25.00*	
		For Each Delivery And Set-up, Add	*40.30*	
01 52 19 00-0003	MO	Portable Chemical Toilet	234.98	
		For Each Additional Servicing Per Unit Per Week, Add	*25.00*	
		For Each Delivery And Set-up, Add	*40.30*	
01 52 19 00-0004	WK	Americans With Disabilities Act Compliant Portable Chemical Toilet	93.42	
		For Each Additional Servicing Per Unit Per Week, Add	*25.00*	
		For Each Delivery And Set-up, Add	*40.30*	
01 52 19 00-0005	MO	Americans With Disabilities Act Compliant Portable Chemical Toilet	274.14	
		For Each Additional Servicing Per Unit Per Week, Add	*25.00*	
		For Each Delivery And Set-up, Add	*40.30*	
01 52 19 00-0006	WK	Two Station Portable Handwash	56.43	
		For Each Delivery And Set-up, Add	*40.30*	
01 52 19 00-0007	MO	Two Station Portable Handwash	171.18	
		For Each Delivery And Set-up, Add	*40.30*	
01 52 19 00-0008	WK	Four Station Portable Handwash	66.39	
		For Each Delivery And Set-up, Add	*40.30*	
01 52 19 00-0009	MO	Four Station Portable Handwash	201.38	
		For Each Delivery And Set-up, Add	*40.30*	
01 52 19 00-0010	MO	6 Station, Portable Toilets, Multi Trailer	6,052.32	
		Note: Includes women's room (3 toilets, 2 sinks) and men's room (1 toilet, 1 urinal and 1 sink). Excludes servicing.		
		For Each Delivery, Set-up And Removal, Two Round Trips, Add	*1,205.73*	
01 52 19 00-0011	WK	Service 6 Station Trailer Restrooms, 3 Times Per Week	2,105.24	
		For One Additional Service Per Week, Add	*701.74*	
		Note: For one less service per week, UOM to be negative one (-1)		
01 52 19 00-0012	MO	34' Length, ADA Restroom Trailer With 950 Gal Waste Tank	6,015.16	
		Note: Includes women's: 3 toilets, 2 sinks; men's: 1 toilet, 2 urinals, 2 sinks; ADA: 1 toilet, 1 sink. Requires 3/4" water source, and four 20 amperes/110 voltage dedicated circuits.		
		For Delivery, Setup, Removal, Add Once	*887.49*	
		For Weekly Service Of Toilet Trailer, Add Per Month	*900.15*	

01 53 Temporary Construction *(01 50)*

01 53 16 Temporary Decking *(01 53)*

01 53 16 00-0001 Temporary Walkways And Railings *(01 53 16)*

Note: Includes removal after use.

01 53 16 00-0002	SF	Temporary Wood Walkway, 3/4" Plywood On 2 x 6 Stringers	7.93	
01 53 16 00-0003	LF	Temporary Wooden Guardrail, 42" High, Posts, Handrail, And Intermediate Rail	31.81	
01 53 16 00-0004	LF	Temporary Wood Guardrail Base, 12" x 12" Timber Beam	15.32	
01 53 16 00-0005	RSR	Temporary Wood Stairs, Tread And Riser On 2" x 12" Stringers	26.03	

01 53 23 Temporary Ramps *(01 53)*

01 53 23 00-0001 Temporary Plywood For Wheel Barrow Access *(01 53 23)*

Note: Includes removal after use.

01 53 23 00-0002	SF	Temporary Plywood For Wheel Barrow Access	1.49	0.47

01 54 Construction Aids *(01 50)*

01 54 09 Personnel Protection Equipment *(01 54)*

01 54 09 00-0001 Personnel Protection Equipment *(01 54 09)*

Note: Personnel Protection Equipment (PPE) for workers safety is considered as part of the Contractor's and Workers responisbility. Includes, but are not limited to; protective work gloves, hearing protection, protective clothing, reflective vests, safety glasses or face shields, dust masks, hard hats, appropriate foot protection (slip resistant, puncture-resistant soles, safety-toed), safety harnesses with lifeline, etc. Review JOC Note and specifications for requirements.

01 54 09 00-0002	NTE	Personnel Protection Equipment	0.00	
		Note: For specification publishing. Review specifications for requirements.		

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 54 23 Temporary Scaffolding and Platforms *(01 54)*

01 54 23 00-0001 Scaffolding *(01 54 23)*

Note: Additional scaffolding rental for work above the normal working height.

01 54 23 00-0002 Scaffolding Rental - Rental Only *(01 54 23 00-0001)*

Note: Monthly rental of actual scaffolding volume rented. Scaffolding is complete with bracing, 2" thick x 12" wide scaffolding planks, scaffolding stairs (where necessary in lieu of planks), standard accessories, base leveling devices, mud sills, climbing ladders and landings, brackets, clamps and building ties, etc. See CSI section 01 54 23 00-0006 for scaffolding erection and dismantling.

01 54 23 00-0003	CCF	Scaffolding With Bracing Accessories - Area Based On 5' Wide Sections (CCF / Month)	39.69	
		For Up To 25, Add	*15.88*	
		For >25 To 50, Add	*9.92*	
		For >50 To 150, Add	*3.97*	
01 54 23 00-0004	CCF	Scaffolding With Bracing Accessories - Area Based On 4' Wide Sections (CCF / Month)	44.63	
		For Up To 25, Add	*17.85*	
		For >25 To 50, Add	*11.16*	
		For >50 To 150, Add	*4.46*	
01 54 23 00-0005	CCF	Scaffolding With Bracing Accessories - Area Based On 3' Wide Sections (CCF / Month)	59.54	
		For Up To 25, Add	*23.82*	
		For >25 To 50, Add	*14.89*	
		For >50 To 150, Add	*5.95*	

01 54 23 00-0006 Scaffolding Erection And Dismantling - Labor Only *(01 54 23 00-0001)*

Note: Includes both initial erection and final dismantling Excludes lifting equipment. The unit of measure is the volume of scaffolding erected. See CSI section 01 54 23 00-0002 for scaffolding rental.

01 54 23 00-0007	CCF	Up To 20' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	45.93
01 54 23 00-0008	CCF	>20' To 40' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	60.22
01 54 23 00-0009	CCF	>40' To 60' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	80.37
01 54 23 00-0010	CCF	>60' To 80' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	88.41
01 54 23 00-0011	CCF	>80' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	101.80
01 54 23 00-0012	CCF	Up To 20' Height Scaffolding Initial Erection And Final Dismantling Set Up On Stairs, Per CCF Of Scaffolding And Accessories	64.30

01 54 23 00-0013 Heavy-Duty Masonry Scaffolding Rental - Rental Only *(01 54 23 00-0001)*

Note: Monthly rental of actual scaffolding volume rented. For projects over 2 stories. Scaffolding is complete with bracing, 2" thick x 12" wide scaffolding planks, scaffolding stairs (where necessary in lieu of planks), standard accessories, base leveling devices, mud sills, climbing ladders and landings, brackets, clamps, flat plate, connectors and building ties, etc. See CSI section 01 54 23 00-0019 for erection.

01 54 23 00-0014	CCF	Heavy-Duty Masonry Scaffolding With Bracing Accessories - Area Based On 4' Wide Sections (CCF / Month)	70.43
01 54 23 00-0015	CCF	Heavy-Duty Masonry Scaffolding With Bracing Accessories - Area Based On 2' Wide Sections (CCF / Month)	129.12
01 54 23 00-0016	LF	Aluminum Joists (LF / Month)	11.45
01 54 23 00-0017	LF	Aluminum Stringers (LF / Month)	16.42
01 54 23 00-0018	EA	Screw Jack With U-Plate For Stringers (EA / Month)	20.69

01 54 23 00-0019 Heavy-Duty Masonry Scaffolding Erection And Dismantling - Labor Only *(01 54 23 00-0001)*

Note: Includes both initial erection and final dismantling Excludes lifting equipment. The unit of measure is the volume of scaffolding erected. See CSI section 01 54 23 00-0013 for scaffolding rental.

01 54 23 00-0020	CCF	Up To 20' Height Heavy-Duty Masonry Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.	85.73
01 54 23 00-0021	CCF	>20' To 40' Height Heavy-Duty Masonry Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.	107.16
01 54 23 00-0022	CCF	>40' To 60' Height Heavy-Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.	128.60
01 54 23 00-0023	CCF	>60' To 80' Height Heavy-Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.	139.31
01 54 23 00-0024	CCF	>80' Height Heavy-Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.	155.39

01 54 23 00-0025 Scaffolding Accessories *(01 54 23 00-0001)*

See CSI section 01 54 23 00-0019 for erection.

01 54 23 00-0026	CSF	Netting for Exterior Building Scaffolding Note: Includes removal after use.	41.28

01 54 23 00-0027 Mobile Mast Climbing Scaffolding *(01 54 23)*

Note: Per month.

01 54 23 00-0028 Fraco FRSM ACT Solution Single Mast, Mast Climbing Scaffolding Per Month *(01 54 23 00-0027)*

01 54 23 00-0029	MO	Single Mast Climber, 175' High Mast x 35' Wide Platform	3,300.00
01 54 23 00-0030	EA	Delivery/Pick-up Fee For Single Mast Climber Note: Excludes erection or dismantle.	2,400.00
01 54 23 00-0031	EA	Erection For Single Mast Climber	3,000.00
01 54 23 00-0032	EA	Dismantle For Single Mast Climber	2,500.00
01 54 23 00-0033	SF	Additional Scaffolding Planks, Wood, 2"	0.96

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 54 23 00-0034		**Rolling Scaffolding** *(01 54 23)* Note: Includes moving and relocating scaffolding on site. Excludes initial erection and final dismantling of scaffold.		
01 54 23 00-0035	DAY	>14' To 20', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	13.52	
01 54 23 00-0036	WK	>14' To 20', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	54.19	
01 54 23 00-0037	MO	>14' To 20', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	216.75	
01 54 23 00-0038	DAY	>20' To 40', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	22.64	
01 54 23 00-0039	WK	>20' To 40', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	90.68	
01 54 23 00-0040	MO	>20' To 40', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	362.74	
01 54 23 00-0041	EA	>14' To 20', Rolling Scaffolding Initial Erection And Final Dismantling For Each Scaffold	124.43	
01 54 23 00-0042	EA	>20' To 40', Rolling Scaffolding Initial Erection And Final Dismantling For Each Scaffold	155.53	
01 54 23 00-0043		**Shoring Posts** *(01 54 23)*		
01 54 23 00-0044	DAY	6'-6" To 11' Extension, 5,000 Lb. Capacity, Steel Shoring Post	2.15	
01 54 23 00-0045	WK	6'-6" To 11' Extension, 5,000 Lb. Capacity, Steel Shoring Post	8.60	
01 54 23 00-0046	MO	6'-6" To 11' Extension, 5,000 Lb. Capacity, Steel Shoring Post	25.81	
01 54 23 00-0047	DAY	Up To 7', 1" Diameter, Steel Cross Brace	2.01	
01 54 23 00-0048	WK	Up To 7', 1" Diameter, Steel Cross Brace	4.02	
01 54 23 00-0049	MO	Up To 7', 1" Diameter, Steel Cross Brace	8.04	
01 54 23 00-0050	DAY	>7' To 10', 1" Diameter, Steel Cross Brace	2.90	
01 54 23 00-0051	WK	>7' To 10', 1" Diameter, Steel Cross Brace	5.81	
01 54 23 00-0052	MO	>7' To 10', 1" Diameter, Steel Cross Brace	11.62	
01 54 23 00-0053	MO	2' Wide Shoring Frame With Adjustable Screw Jacks	12.59	
01 54 23 00-0054	MO	4' Wide Shoring Frame With Adjustable Screw Jacks	16.46	
01 54 23 00-0055	LF	1-5/8" Diameter, Steel Tube And Clamp Bracing (Per LF/Month)	7.75	
01 54 23 00-0056	LF	6-1/2" Deep, Aluminum Joist Shoring (Per LF/Month)	5.02	
01 54 23 00-0057	LF	7-1/4" Deep, Aluminum Stringer Shoring (Per LF/Month)	5.02	
01 54 23 00-0058	CCF	Shoring Posts And Frames Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	58.94	
01 54 23 00-0059	EA	Initial Erection And Final Dismantling For Each Shoring Post	9.96	
		For >20 To 50, Deduct	*-1.49*	
		For >50 To 100, Deduct	*-3.49*	
		For >100, Deduct	*-5.48*	
01 54 23 00-0060		**Temporary Lumber, Single Use** *(01 54 23)* Note: Includes removal after use.		
01 54 23 00-0061	SF	5/16" CD Grade Plywood, Temporary Lumber	2.45	
01 54 23 00-0062	SF	1/2" CD Grade Plywood, Temporary Lumber	2.70	
01 54 23 00-0063	SF	5/8" CD Grade Plywood, Temporary Lumber	3.10	
01 54 23 00-0064	SF	3/4" CD Grade Plywood, Temporary Lumber	3.44	
01 54 23 00-0065	SF	1" CD Grade Plywood, Temporary Lumber	5.13	
01 54 23 00-0066	LF	2" x 4" Temporary Lumber	3.17	
01 54 23 00-0067	LF	2" x 6" Temporary Lumber	4.06	
01 54 23 00-0068	LF	2" x 8" Temporary Lumber	4.94	
01 54 23 00-0069	LF	2" x 10" Temporary Lumber	5.83	
01 54 23 00-0070	LF	2" x 12" Temporary Lumber	6.71	
01 54 23 00-0071	LF	3" x 8" Temporary Lumber	6.71	
01 54 23 00-0072	LF	3" x 10" Temporary Lumber	8.04	
01 54 23 00-0073	LF	3" x 12" Temporary Lumber	9.38	
01 54 23 00-0074	LF	4" x 4" Temporary Lumber	4.39	
01 54 23 00-0075	LF	4" x 6" Temporary Lumber	6.36	
01 54 23 00-0076	LF	6" x 6" Temporary Lumber	8.34	
01 54 23 00-0077	LF	6" x 8" Temporary Lumber	10.86	
01 54 23 00-0078	LF	12" x 12" Temporary Lumber	27.09	
01 54 23 00-0079		**Temporary Precast Concrete Blocks** *(01 54 23)* Note: Includes removal after use.		
01 54 23 00-0080	EA	2' x 2' x 2' Temporary Precast Concrete (Ecology) Block Note: Includes removal after use.	130.62	
01 54 23 00-0081	EA	2' x 2' x 4' Temporary Precast Concrete (Ecology) Block Note: Includes removal after use.	163.27	
01 54 23 00-0082	EA	2' x 2' x 8' Temporary Precast Concrete (Ecology) Block Note: Includes removal after use.	214.29	
01 54 26		**Temporary Swing Staging** *(01 54)* Note: Up to one month rental. Includes connection to existing electrical outlet on roof, all necessary safety equipment for personnel and anchoring to existing roof anchors. Excludes installing roof anchors.		
01 54 26 00-0001		**Swing Stage** *(01 54 26)* Note: Up to one month rental. Includes connection to existing electrical outlet on roof, and all necessary safety equipment for personnel. Excludes installing roof anchors.		
01 54 26 00-0002	MO	7' Swing Stage, Electric Operated	3,095.78	
01 54 26 00-0003	MO	10' Swing Stage, Electric Operated	3,250.57	
01 54 26 00-0004	MO	14' Swing Stage, Electric Operated	3,405.36	
01 54 26 00-0005	MO	20' Swing Stage, Electric Operated	3,560.15	
01 54 26 00-0006	MO	24' Swing Stage, Electric Operated	3,714.94	
01 54 26 00-0007	MO	30' Swing Stage, Electric Operated	3,869.73	
01 54 26 00-0008	MO	42' Swing Stage, Electric Operated	4,024.52	
01 54 26 00-0009	MO	12' Swing Stage, Manually Operated	892.71	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 54 26 00-0010	MO	24' Swing Stage, Manually Operated	1,115.89	
01 54 26 00-0011	EA	Swing Stage Platform From Hooks, Erection And Dismantling Note: Includes both initial erection and final dismantling of platform. Excludes anchors or temporary roof mounted outrigger system.	5,304.05	
01 54 26 00-0012	EA	Swing Stage Platform And Temporary Roof Mounted Outrigger System Erection And Dismantling Note: Includes both initial erection and final dismantling of temporary roof mounted outrigger system.	7,370.88	
01 54 26 00-0013	EA	Move Swing Stage Platform From Hooks To Different Location At Same Roof	2,788.99	
01 54 26 00-0014	EA	Move Swing Stage Platform and Temporary Roof Mounted Outrigger System To Different Location At Same Roof	3,884.66	

01 55 Vehicular Access and Parking *(01 50)*

01 55 23 Temporary Roads *(01 55)*

01 55 23 00-0001 Temporary Stabilized Construction Entrance *(01 55 23)*

Note: As per Caltrans detail.

01 55 23 00-0002	SF	3" To 4" Rock Temporary Stabilized Construction Entrance Assembly Note: Includes up to 12" excavation of pit, hauling and disposal of soil, filter fabric at base and sides, filled with rock, and compaction.	3.29	
01 55 23 00-0003	SF	>4" To 6" Rock Temporary Stabilized Construction Entrance Assembly Note: Includes up to 12" excavation of pit, hauling and disposal of soil, filter fabric at base and sides, filled with rock, and compaction.	4.31	

01 55 23 00-0004 Rumble Trench Plate *(01 55 23)*

01 55 23 00-0005	MO	8' x 10' Steel Rumble Trench Plate Rental	413.50	
01 55 23 00-0006	EA	Placement And Removal Of Rumble Plate Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	104.61	
01 55 23 00-0007	EA	Relocate And Adjust Location Of Rumble Plate Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	26.15	

01 55 23 00-0008 Temporary Road Ramps (Godwin) *(01 55 23)*

Note: Excludes asphalt and gravel.

01 55 23 00-0009	EA	4" Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin)	5,090.02	234.78
01 55 23 00-0010	EA	6" Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin)	6,931.91	352.16
01 55 23 00-0011	EA	8" Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin)	9,577.36	469.55
01 55 23 00-0012	EA	12" Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin)	19,856.64	586.93
01 55 23 00-0013	EA	24" Pipeline, 15' Passable Vehicle Width, Temporary Road Ramp (Godwin)	29,131.46	704.32

01 55 26 Traffic Control *(01 55)*

01 55 26 00-0001 Temporary Removable Preformed Traffic Black Line Mask *(01 55 26)*

Note: Includes installation and removal after use.

01 55 26 00-0002	LF	6" Removable Traffic Black Line Mask	5.53
01 55 26 00-0003	LF	8" Removable Traffic Black Line Mask	6.65

01 55 26 00-0004 Temporary Preformed Traffic Line Tape *(01 55 26)*

Note: Includes installation and removal after use.

01 55 26 00-0005	LF	4" Reflective Removable Traffic Line Tape	5.59
01 55 26 00-0006	LF	6" Reflective Removable Traffic Line Tape	7.59
01 55 26 00-0007	LF	8" Reflective Removable Traffic Line Tape	9.49

01 55 26 00-0008 Temporary Painted Traffic Lines *(01 55 26)*

Note: Includes installation and removal after use.

01 55 26 00-0009	LF	4" Temporary Painted Traffic Lines Note: Includes removal after use	2.42
		For Not Removed, Deduct	*-1.71*
01 55 26 00-0010	LF	6" Temporary Painted Traffic Lines Note: Includes removal after use	3.19
		For Not Removed, Deduct	*-2.33*
01 55 26 00-0011	LF	8" Temporary Painted Traffic Lines Note: Includes removal after use	4.01
		For Not Removed, Deduct	*-2.95*

01 55 26 00-0012 Temporary Pedestrian Traffic Control *(01 55 26)*

01 55 26 00-0013	CLF	1", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Orange	10.83
01 55 26 00-0014	CLF	2", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Orange	13.91
01 55 26 00-0015	CLF	3/4", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Yellow	8.83
01 55 26 00-0016	CLF	2", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Yellow	10.70
01 55 26 00-0017	CLF	3", 4 Mil Polyethylene Printed Barricade Tape, Non-Fluorescent	11.48
01 55 26 00-0018	CLF	6", 4 Mil Polyethylene Printed Barricade Tape, Non-Fluorescent	15.37
01 55 26 00-0019	CLF	1" Exterior Vinyl Tape (Warning Tape)	12.55
01 55 26 00-0020	CLF	2" Exterior Vinyl Tape (Warning Tape)	17.18
01 55 26 00-0021	CLF	3" Exterior Vinyl Tape (Warning Tape)	21.10
01 55 26 00-0022	CLF	4" Exterior Vinyl Tape (Warning Tape)	24.66

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0023		**Linear Delineation System, Temporary Or Permanent** *(01 55 26)* Note: High visibility reflective sheeting strips. Scotchlite as manufactured by 3M.		
01 55 26 00-0024	LF	4" Linear Delineation System	11.83	
01 55 26 00-0025	LF	6" Linear Delineation System	15.97	
01 55 26 00-0026		**Temporary Traffic Protection** *(01 55 26)*		
01 55 26 00-0027		**Temporary Portable Traffic Control Device Usage** *(01 55 26 00-0026)* Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0132 for delivery, placing and removal.		
01 55 26 00-0028	DAY	28" Cone With Reflective Collar	0.89	
01 55 26 00-0029	WK	28" Cone With Reflective Collar	2.66	
01 55 26 00-0030	MO	28" Cone With Reflective Collar	7.99	
01 55 26 00-0031	DAY	Vertical Panel	2.68	
01 55 26 00-0032	WK	Vertical Panel	8.04	
01 55 26 00-0033	MO	Vertical Panel	24.13	
01 55 26 00-0034	DAY	Channelizer Drum	2.91	
01 55 26 00-0035	WK	Channelizer Drum	8.73	
01 55 26 00-0036	MO	Channelizer Drum	26.20	
01 55 26 00-0037	DAY	Stackable Channelizer Panel	1.38	
01 55 26 00-0038	WK	Stackable Channelizer Panel	4.13	
01 55 26 00-0039	MO	Stackable Channelizer Panel	12.39	
01 55 26 00-0040	DAY	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side	1.91	
01 55 26 00-0041	WK	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side	5.72	
01 55 26 00-0042	MO	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side	17.16	
01 55 26 00-0043	DAY	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side	4.23	
01 55 26 00-0044	WK	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side	12.68	
01 55 26 00-0045	MO	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side	38.03	
01 55 26 00-0046	DAY	Type III Barricade, Up To 5' Wide With Three Reflective Rails	4.82	
01 55 26 00-0047	WK	Type III Barricade, Up To 5' Wide With Three Reflective Rails	14.45	
01 55 26 00-0048	MO	Type III Barricade, Up To 5' Wide With Three Reflective Rails	43.34	
01 55 26 00-0049	DAY	Type III Barricade, >5' To 10' Wide With Three Reflective Rails	8.81	
01 55 26 00-0050	WK	Type III Barricade, >5' To 10' Wide With Three Reflective Rails	26.43	
01 55 26 00-0051	MO	Type III Barricade, >5' To 10' Wide With Three Reflective Rails	79.28	
01 55 26 00-0052	DAY	Up To 10' Wide A Frame Barricade	4.83	
01 55 26 00-0053	WK	Up To 10' Wide A Frame Barricade	14.49	
01 55 26 00-0054	MO	Up To 10' Wide A Frame Barricade	43.48	
01 55 26 00-0055	DAY	Type A Or C Flasher	0.98	
01 55 26 00-0056	WK	Type A Or C Flasher	2.95	
01 55 26 00-0057	MO	Type A Or C Flasher	8.86	
01 55 26 00-0058	DAY	Type B Flasher (High Intensity)	5.34	
01 55 26 00-0059	WK	Type B Flasher (High Intensity)	16.02	
01 55 26 00-0060	MO	Type B Flasher (High Intensity)	48.07	
01 55 26 00-0061		**Temporary Traffic Barriers Usage** *(01 55 26 00-0026)* Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0132 for delivery, placing and removal.		
01 55 26 00-0062	DAY	6' Long Portable Parking Curbs	2.30	
01 55 26 00-0063	WK	6' Long Portable Parking Curbs	6.90	
01 55 26 00-0064	MO	6' Long Portable Parking Curbs	20.71	
01 55 26 00-0065	DAY	6' Long Portable Speed Bumps	6.81	
01 55 26 00-0066	WK	6' Long Portable Speed Bumps	20.42	
01 55 26 00-0067	MO	6' Long Portable Speed Bumps	61.28	
01 55 26 00-0068	DAY	8' To 12.5' Concrete Traffic Barrier	16.36	
01 55 26 00-0069	WK	8' To 12.5' Concrete Traffic Barrier	49.07	
01 55 26 00-0070	MO	8' To 12.5' Concrete Traffic Barrier	147.21	
01 55 26 00-0071	DAY	>12.5' To 20' Concrete Traffic Barrier	32.71	
01 55 26 00-0072	WK	>12.5' To 20' Concrete Traffic Barrier	98.14	
01 55 26 00-0073	MO	>12.5' To 20' Concrete Traffic Barrier	294.42	
01 55 26 00-0074	DAY	6' x 32" Tall Plastic Water Barrier	19.53	
01 55 26 00-0075	WK	6' x 32" Tall Plastic Water Barrier	58.60	
01 55 26 00-0076	MO	6' x 32" Tall Plastic Water Barrier	175.80	
01 55 26 00-0077	DAY	6' x 46" Tall Plastic Water Barrier	27.89	
01 55 26 00-0078	WK	6' x 46" Tall Plastic Water Barrier	83.67	
01 55 26 00-0079	MO	6' x 46" Tall Plastic Water Barrier	251.02	
01 55 26 00-0080	DAY	Sand Filled Crash Attenuator Barrels	10.92	
01 55 26 00-0081	WK	Sand Filled Crash Attenuator Barrels	32.75	
01 55 26 00-0082	MO	Sand Filled Crash Attenuator Barrels	98.25	
01 55 26 00-0083		**Temporary Portable Signs And Message Displays Usage** *(01 55 26 00-0026)* Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0132 for delivery, placing and removal.		
01 55 26 00-0084	DAY	Mesh Or Vinyl Roll-up Sign With Stand	8.57	
01 55 26 00-0085	WK	Mesh Or Vinyl Roll-up Sign With Stand	25.71	
01 55 26 00-0086	MO	Mesh Or Vinyl Roll-up Sign With Stand	77.14	
01 55 26 00-0087	DAY	18" x 18" Aluminum Construction Sign, With Portable Stand	3.10	
01 55 26 00-0088	WK	18" x 18" Aluminum Construction Sign, With Portable Stand	9.30	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0089	MO	18" x 18" Aluminum Construction Sign, With Portable Stand	27.89	
01 55 26 00-0090	DAY	30" x 24" Aluminum Construction Sign, With Portable Stand	4.01	
01 55 26 00-0091	WK	30" x 24" Aluminum Construction Sign, With Portable Stand	12.04	
01 55 26 00-0092	MO	30" x 24" Aluminum Construction Sign, With Portable Stand	36.11	
01 55 26 00-0093	DAY	30" x 30" Aluminum Construction Sign, With Portable Stand	3.64	
01 55 26 00-0094	WK	30" x 30" Aluminum Construction Sign, With Portable Stand	10.91	
01 55 26 00-0095	MO	30" x 30" Aluminum Construction Sign, With Portable Stand	32.74	
01 55 26 00-0096	DAY	48" x 18" Aluminum Construction Sign, With Portable Stand	4.32	
01 55 26 00-0097	WK	48" x 18" Aluminum Construction Sign, With Portable Stand	12.95	
01 55 26 00-0098	MO	48" x 18" Aluminum Construction Sign, With Portable Stand	38.86	
01 55 26 00-0099	DAY	48" x 24" Aluminum Construction Sign, With Portable Stand	4.93	
01 55 26 00-0100	WK	48" x 24" Aluminum Construction Sign, With Portable Stand	14.79	
01 55 26 00-0101	MO	48" x 24" Aluminum Construction Sign, With Portable Stand	44.37	
01 55 26 00-0102	DAY	48" x 30" Aluminum Construction Sign, With Portable Stand	5.54	
01 55 26 00-0103	WK	48" x 30" Aluminum Construction Sign, With Portable Stand	16.63	
01 55 26 00-0104	MO	48" x 30" Aluminum Construction Sign, With Portable Stand	49.88	
01 55 26 00-0105	DAY	48" x 36" Aluminum Construction Sign, With Portable Stand	6.15	
01 55 26 00-0106	WK	48" x 36" Aluminum Construction Sign, With Portable Stand	18.46	
01 55 26 00-0107	MO	48" x 36" Aluminum Construction Sign, With Portable Stand	55.39	
01 55 26 00-0108	DAY	48" x 48" Aluminum Construction Sign, With Portable Stand	7.38	
01 55 26 00-0109	WK	48" x 48" Aluminum Construction Sign, With Portable Stand	22.14	
01 55 26 00-0110	MO	48" x 48" Aluminum Construction Sign, With Portable Stand	66.42	
01 55 26 00-0111	DAY	60" x 24" Aluminum Construction Sign, With Portable Stand	8.02	
01 55 26 00-0112	WK	60" x 24" Aluminum Construction Sign, With Portable Stand	24.07	
01 55 26 00-0113	MO	60" x 24" Aluminum Construction Sign, With Portable Stand	72.21	
01 55 26 00-0114	DAY	60" x 30" Aluminum Construction Sign, With Portable Stand	8.79	
01 55 26 00-0115	WK	60" x 30" Aluminum Construction Sign, With Portable Stand	26.37	
01 55 26 00-0116	MO	60" x 30" Aluminum Construction Sign, With Portable Stand	79.10	
01 55 26 00-0117	DAY	60" x 36" Aluminum Construction Sign, With Portable Stand	9.55	
01 55 26 00-0118	WK	60" x 36" Aluminum Construction Sign, With Portable Stand	28.66	
01 55 26 00-0119	MO	60" x 36" Aluminum Construction Sign, With Portable Stand	85.99	
01 55 26 00-0120	DAY	Aluminum Sign And Post	4.22	
01 55 26 00-0121	WK	Aluminum Sign And Post	12.65	
01 55 26 00-0122	MO	Aluminum Sign And Post	37.94	
01 55 26 00-0123	DAY	Trailer Mounted Flashing Arrow Board	186.00	
01 55 26 00-0124	WK	Trailer Mounted Flashing Arrow Board	514.82	
01 55 26 00-0125	MO	Trailer Mounted Flashing Arrow Board	1,361.77	
01 55 26 00-0126	DAY	Trailer Mounted Portable Variable Message Sign (PVMS)	327.33	
01 55 26 00-0127	WK	Trailer Mounted Portable Variable Message Sign (PVMS)	872.88	
01 55 26 00-0128	MO	Trailer Mounted Portable Variable Message Sign (PVMS)	1,745.76	
01 55 26 00-0129	DAY	Two Head, Trailer Mounted Traffic Signal System (Set Of Two) Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.	1,457.96	
01 55 26 00-0130	WK	Two Head, Trailer Mounted Traffic Signal System (Set Of Two) Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.	4,373.88	
01 55 26 00-0131	MO	Two Head, Trailer Mounted Traffic Signal System (Set Of Two) Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.	13,121.64	

01 55 26 00-0132 Place And Remove Temporary Traffic Protection Using Truck *(01 55 26 00-0026)*

Note: Includes delivery and return up to 15 miles. See CSI section 01 74 19 00-0041 for delivery >15 miles.

01 55 26 00-0133	EA	Placement And Removal Of Up To 250 Cones Using Truck	4.13	
01 55 26 00-0134	EA	Placement And Removal Of >250 Cones Using Truck	3.62	
01 55 26 00-0135	EA	Placement And Removal Of Up To 250 Panels/Channelizers Using Truck	6.81	
01 55 26 00-0136	EA	Placement And Removal Of >250 Panels/Channelizers Using Truck	5.68	
01 55 26 00-0137	EA	Placement And Removal Of Up To 250 Barricades Using Truck	10.33	
01 55 26 00-0138	EA	Placement And Removal Of >250 Barricades Using Truck	8.26	
01 55 26 00-0139	EA	Placement And Removal Of Curbs/Speed Bumps Using Truck	10.33	
01 55 26 00-0140	EA	Placement And Removal Of Portable Sign And Stand Using Truck	6.19	
01 55 26 00-0141	EA	Placement And Removal Of Aluminum Sign And Post Using Truck	25.82	
01 55 26 00-0142	EA	Placement And Removal Of Trailer Mounted Boards And Signals Using Truck	77.45	
01 55 26 00-0143	EA	Placement And Removal Of Up To 12.5' Concrete Traffic Barrier Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	104.61	
		For 1 Barrier, Add	*261.53*	
		For 2 Barriers, Add	*94.15*	
		For 3 Barriers, Add	*31.38*	
01 55 26 00-0144	EA	Placement And Removal Of >12.5' Concrete Traffic Barrier Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	156.92	
		For 1 Barrier, Add	*392.30*	
		For 2 Barriers, Add	*141.23*	
		For 3 Barriers, Add	*47.08*	
01 55 26 00-0145	EA	Placement And Removal Of Plastic Water Barrier Note: Includes water. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for Equipment Usage, 01 71 13 00-0000 for mobilization tasks.	59.77	
		For 1 Barrier, Add	*130.75*	
		For 2 Barriers, Add	*47.07*	
		For 3 Barriers, Add	*15.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0146	EA	Placement And Removal Of Crash Attenuator Barrels Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	78.46	
		For 1 Barrier, Add	*196.15*	
		For 2 Barriers, Add	*70.61*	
		For 3 Barriers, Add	*23.54*	
01 55 26 00-0147		**Place And Remove Temporary Traffic Protection From Roadside (Daily)** *(01 55 26 00-0026)*		
01 55 26 00-0148	EA	Placement And Removal Of Up To 250 Cones By Hand From Roadside	2.58	
01 55 26 00-0149	EA	Placement And Removal Of >250 Cones By Hand From Roadside	2.06	
01 55 26 00-0150	EA	Placement And Removal Of Up To 250 Panels/Channelizers By Hand From Roadside	3.44	
01 55 26 00-0151	EA	Placement And Removal Of >250 Panels/Channelizers By Hand From Roadside	2.74	
01 55 26 00-0152	EA	Placement And Removal Of Up To 250 Barricades By Hand From Roadside	5.16	
01 55 26 00-0153	EA	Placement And Removal Of >250 Barricades By Hand From Roadside	4.13	
01 55 26 00-0154	EA	Placement And Removal Of Portable Sign And Stand From Roadside	3.18	
01 55 26 00-0155	EA	Placement And Removal Of Trailer Mounted Boards And Signals From Roadside	38.72	
01 55 26 00-0156	EA	Roadside Relocation Of Concrete Traffic Barrier Note: Excludes flatbed truck. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	52.30	
01 55 26 00-0157		**Place And Remove Temporary Signs For Detours** *(01 55 26 00-0026)*		
01 55 26 00-0158		**Temporary Reflectorized Signs For Detours** *(01 55 26 00-0157)* Note: Excludes posts.		
01 55 26 00-0159		**Temporary Aluminum Engineer Grade Stop Signs For Detours** *(01 55 26 00-0158)*		
01 55 26 00-0160	EA	Temporary 18" x 18" Aluminum Engineer Grade Stop Sign For Detours	90.40	
		For Hi-Intensity Grade, Add	*6.95*	
		For Diamond Grade, Add	*13.21*	
01 55 26 00-0161	EA	Temporary 18" x 24" Aluminum Engineer Grade Stop Sign For Detours	101.27	
		For Hi-Intensity Grade, Add	*9.09*	
		For Diamond Grade, Add	*17.27*	
01 55 26 00-0162	EA	Temporary 24" x 24" Aluminum Engineer Grade Stop Sign For Detours	108.58	
		For Hi-Intensity Grade, Add	*13.89*	
		For Diamond Grade, Add	*22.02*	
01 55 26 00-0163	EA	Temporary 30" x 30" Aluminum Engineer Grade Stop Sign For Detours	121.82	
		For Hi-Intensity Grade, Add	*5.21*	
		For Diamond Grade, Add	*28.20*	
01 55 26 00-0164	EA	Temporary 36" x 36" Aluminum Engineer Grade Stop Sign For Detours	151.70	
		For Hi-Intensity Grade, Add	*15.29*	
		For Diamond Grade, Add	*47.97*	
01 55 26 00-0165		**Other Temporary Reflectorized Traffic Signs For Detours** *(01 55 26 00-0158)* Note: Other traffic signs includes reserve, handicap, visitor, no parking, property, speed limit, tow away, ADA, parking time limit, parking exclusive area, school, traffic/caution, etc. Excludes posts.		
01 55 26 00-0166		**Temporary Aluminum Engineer Grade Traffic Signs For Detours** *(01 55 26 00-0165)*		
01 55 26 00-0167	EA	Temporary 6" x 12" Aluminum Engineer Grade Traffic Sign For Detours	65.51	
		For Hi-Intensity Grade, Add	*1.72*	
01 55 26 00-0168	EA	Temporary 6" x 18" Aluminum Engineer Grade Traffic Sign For Detours	68.38	
		For Hi-Intensity Grade, Add	*2.58*	
01 55 26 00-0169	EA	Temporary 9" x 12" Aluminum Engineer Grade Traffic Sign For Detours	68.38	
		For Hi-Intensity Grade, Add	*2.58*	
01 55 26 00-0170	EA	Temporary 9" x 15" Aluminum Engineer Grade Traffic Sign For Detours	70.53	
		For Hi-Intensity Grade, Add	*3.23*	
01 55 26 00-0171	EA	Temporary 9" x 18" Aluminum Engineer Grade Traffic Sign For Detours	72.69	
		For Hi-Intensity Grade, Add	*3.88*	
01 55 26 00-0172	EA	Temporary 9" x 24" Aluminum Engineer Grade Traffic Sign For Detours	80.72	
		For Hi-Intensity Grade, Add	*5.17*	
01 55 26 00-0173	EA	Temporary 9" x 48" Aluminum Engineer Grade Traffic Sign For Detours	97.94	
		For Hi-Intensity Grade, Add	*10.33*	
01 55 26 00-0174	EA	Temporary 12" x 12" Aluminum Engineer Grade Traffic Sign For Detours	71.25	
		For Hi-Intensity Grade, Add	*3.44*	
01 55 26 00-0175	EA	Temporary 12" x 18" Aluminum Engineer Grade Traffic Sign For Detours	80.72	
		For Hi-Intensity Grade, Add	*5.17*	
01 55 26 00-0176	EA	Temporary 12" x 24" Aluminum Engineer Grade Traffic Sign For Detours	86.46	
		For Hi-Intensity Grade, Add	*6.89*	
01 55 26 00-0177	EA	Temporary 12" x 30" Aluminum Engineer Grade Traffic Sign For Detours	92.20	
		For Hi-Intensity Grade, Add	*8.61*	
01 55 26 00-0178	EA	Temporary 12" x 36" Aluminum Engineer Grade Traffic Sign For Detours	97.94	
		For Hi-Intensity Grade, Add	*10.33*	
01 55 26 00-0179	EA	Temporary 18" x 18" Aluminum Engineer Grade Traffic Sign For Detours	89.33	
		For Hi-Intensity Grade, Add	*7.75*	
01 55 26 00-0180	EA	Temporary 18" x 24" Aluminum Engineer Grade Traffic Sign For Detours	97.94	
		For Hi-Intensity Grade, Add	*10.33*	
01 55 26 00-0181	EA	Temporary 18" x 30" Aluminum Engineer Grade Traffic Sign For Detours	110.29	
		For Hi-Intensity Grade, Add	*12.92*	
01 55 26 00-0182	EA	Temporary 18" x 36" Aluminum Engineer Grade Traffic Sign For Detours	118.90	
		For Hi-Intensity Grade, Add	*15.50*	
01 55 26 00-0183	EA	Temporary 18" x 54" Aluminum Engineer Grade Traffic Sign For Detours	159.68	
		For Hi-Intensity Grade, Add	*23.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0184	EA	Temporary 24" x 24" Aluminum Engineer Grade Traffic Sign For Detours	113.16	
		For Hi-Intensity Grade, Add	*13.78*	
01 55 26 00-0185	EA	Temporary 24" x 30" Aluminum Engineer Grade Traffic Sign For Detours	124.64	
		For Hi-Intensity Grade, Add	*17.22*	
01 55 26 00-0186	EA	Temporary 24" x 36" Aluminum Engineer Grade Traffic Sign For Detours	136.12	
		For Hi-Intensity Grade, Add	*20.67*	
01 55 26 00-0187	EA	Temporary 24" x 42" Aluminum Engineer Grade Traffic Sign For Detours	162.55	
		For Hi-Intensity Grade, Add	*24.11*	
01 55 26 00-0188	EA	Temporary 24" x 48" Aluminum Engineer Grade Traffic Sign For Detours	174.03	
		For Hi-Intensity Grade, Add	*27.56*	
01 55 26 00-0189	EA	Temporary 24" x 54" Aluminum Engineer Grade Traffic Sign For Detours	185.51	
		For Hi-Intensity Grade, Add	*31.00*	
01 55 26 00-0190	EA	Temporary 30" x 30" Aluminum Engineer Grade Traffic Sign For Detours	138.99	
		For Hi-Intensity Grade, Add	*21.53*	
01 55 26 00-0191	EA	Temporary 30" x 36" Aluminum Engineer Grade Traffic Sign For Detours	168.29	
		For Hi-Intensity Grade, Add	*25.83*	
01 55 26 00-0192	EA	Temporary 30" x 42" Aluminum Engineer Grade Traffic Sign For Detours	182.64	
		For Hi-Intensity Grade, Add	*30.14*	
01 55 26 00-0193	EA	Temporary 30" x 48" Aluminum Engineer Grade Traffic Sign For Detours	211.94	
		For Hi-Intensity Grade, Add	*34.45*	
01 55 26 00-0194	EA	Temporary 30" x 60" Aluminum Engineer Grade Traffic Sign For Detours	255.57	
		For Hi-Intensity Grade, Add	*43.06*	
01 55 26 00-0195	EA	Temporary 36" x 36" Aluminum Engineer Grade Traffic Sign For Detours	185.51	
		For Hi-Intensity Grade, Add	*31.00*	
01 55 26 00-0196	EA	Temporary 36" x 42" Aluminum Engineer Grade Traffic Sign For Detours	217.68	
		For Hi-Intensity Grade, Add	*36.17*	
01 55 26 00-0197	EA	Temporary 36" x 48" Aluminum Engineer Grade Traffic Sign For Detours	249.83	
		For Hi-Intensity Grade, Add	*41.33*	
01 55 26 00-0198	EA	Temporary 36" x 54" Aluminum Engineer Grade Traffic Sign For Detours	267.05	
		For Hi-Intensity Grade, Add	*46.50*	
01 55 26 00-0199	EA	Temporary 36" x 60" Aluminum Engineer Grade Traffic Sign For Detours	299.22	
		For Hi-Intensity Grade, Add	*51.67*	
01 55 26 00-0200	EA	Temporary 36" x 73" Aluminum Engineer Grade Traffic Sign For Detours	351.48	
		For Hi-Intensity Grade, Add	*62.86*	
01 55 26 00-0201	EA	Temporary 36" x 78" Aluminum Engineer Grade Traffic Sign For Detours	365.83	
		For Hi-Intensity Grade, Add	*67.17*	
01 55 26 00-0202	EA	Temporary 36" x 108" Aluminum Engineer Grade Traffic Sign For Detours	474.35	
		For Hi-Intensity Grade, Add	*93.00*	
01 55 26 00-0203	EA	Temporary 42" x 42" Aluminum Engineer Grade Traffic Sign For Detours	252.70	
		For Hi-Intensity Grade, Add	*42.20*	
01 55 26 00-0204	EA	Temporary 48" x 48" Aluminum Engineer Grade Traffic Sign For Detours	310.71	
		For Hi-Intensity Grade, Add	*55.11*	
01 55 26 00-0205	EA	Temporary 48" x 54" Aluminum Engineer Grade Traffic Sign For Detours	348.61	
		For Hi-Intensity Grade, Add	*62.00*	
01 55 26 00-0206	EA	Temporary 48" x 60" Aluminum Engineer Grade Traffic Sign For Detours	371.57	
		For Hi-Intensity Grade, Add	*68.89*	
01 55 26 00-0207	EA	Temporary 48" x 66" Aluminum Engineer Grade Traffic Sign For Detours	416.95	
		For Hi-Intensity Grade, Add	*75.78*	
01 55 26 00-0208	EA	Temporary 48" x 72" Aluminum Engineer Grade Traffic Sign For Detours	439.91	
		For Hi-Intensity Grade, Add	*82.67*	
01 55 26 00-0209	EA	Temporary 48" x 84" Aluminum Engineer Grade Traffic Sign For Detours	500.79	
		For Hi-Intensity Grade, Add	*96.45*	
01 55 26 00-0210	EA	Temporary 48" x 96" Aluminum Engineer Grade Traffic Sign For Detours	546.71	
		For Hi-Intensity Grade, Add	*110.22*	
01 55 26 00-0211	EA	Temporary 48" x 102" Aluminum Engineer Grade Traffic Sign For Detours	569.68	
		For Hi-Intensity Grade, Add	*117.11*	
01 55 26 00-0212	EA	Temporary 48" x 108" Aluminum Engineer Grade Traffic Sign For Detours	600.10	
		For Hi-Intensity Grade, Add	*124.00*	
01 55 26 00-0213	EA	Temporary 60" x 72" Aluminum Engineer Grade Traffic Sign For Detours	523.75	
		For Hi-Intensity Grade, Add	*103.34*	
01 55 26 00-0214	EA	Temporary 78" x 96" Aluminum Engineer Grade Traffic Sign For Detours	783.81	
		For Hi-Intensity Grade, Add	*179.12*	

01 55 26 00-0215 Temporary Overhead Sign Structures For Detours *(01 55 26 00-0157)*

Note: Including horizontal Z-bars.

01 55 26 00-0216	SF	From 30 To 360 SF Signs For Temporary Overhead Sign Structures For Detours	22.50	
		For Over 10' High, Add	*13.00*	

01 55 26 00-0217 Temporary Sign Posts For Detours *(01 55 26 00-0157)*

Note: Excludes sign.

01 55 26 00-0218 Temporary U-Channel Sign Posts For Detours *(01 55 26 00-0217)*

Note: Excludes digging and concrete.

01 55 26 00-0219 Temporary Baked Enamel U-Channel Sign Posts For Detours *(01 55 26 00-0218)*

01 55 26 00-0220	EA	Temporary 3' To 4' Baked Enamel U-Channel Sign Post Base For Detours	80.85	
01 55 26 00-0221	EA	Temporary 6' Baked Enamel U-Channel Sign Post For Detours	104.16	
01 55 26 00-0222	EA	Temporary 7' Baked Enamel U-Channel Sign Post For Detours	124.60	
01 55 26 00-0223	EA	Temporary 8' Baked Enamel U-Channel Sign Post For Detours	145.70	
01 55 26 00-0224	EA	Temporary 10' Baked Enamel U-Channel Sign Post For Detours	176.23	
01 55 26 00-0225	EA	Temporary 12' Baked Enamel U-Channel Sign Post For Detours	187.03	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0226		**Temporary Galvanized Steel U-Channel Sign Posts For Detours** *(01 55 26 00-0218)*		
01 55 26 00-0227	EA	Temporary 3' To 4' Galvanized Steel U-Channel Sign Post Base For Detours	84.94	
01 55 26 00-0228	EA	Temporary 6' Galvanized Steel U-Channel Sign Post For Detours	110.65	
01 55 26 00-0229	EA	Temporary 7' Galvanized Steel U-Channel Sign Post For Detours	139.26	
01 55 26 00-0230	EA	Temporary 8' Galvanized Steel U-Channel Sign Post For Detours	161.91	
01 55 26 00-0231	EA	Temporary 10' Galvanized Steel U-Channel Sign Post For Detours	188.03	
01 55 26 00-0232	EA	Temporary 12' Galvanized Steel U-Channel Sign Post For Detours	197.29	
01 55 26 00-0233		**Temporary Fiberglass Or Composite Plastic U-Channel Sign Posts For Detours** *(01 55 26 00-0218)*		
01 55 26 00-0234	EA	Temporary 3' To 4' Fiberglass Or Composite Plastic U-Channel Sign Post Base For Detours	79.89	
01 55 26 00-0235	EA	Temporary 6' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours	102.07	
01 55 26 00-0236	EA	Temporary 7' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours	122.07	
01 55 26 00-0237	EA	Temporary 8' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours	142.69	
01 55 26 00-0238	EA	Temporary 10' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours	170.76	
01 55 26 00-0239	EA	Temporary 12' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours	183.79	
01 55 26 00-0240		**Temporary Tubular Sign Posts For Detours** *(01 55 26 00-0217)*		
		Note: Excludes digging and concrete.		
01 55 26 00-0241		**Temporary 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours** *(01 55 26 00-0240)*		
01 55 26 00-0242	EA	Temporary 6', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours	111.32	
01 55 26 00-0243	EA	Temporary 7', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours	132.60	
01 55 26 00-0244	EA	Temporary 8', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours	155.97	
01 55 26 00-0245	EA	Temporary 10', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours	196.90	
01 55 26 00-0246	EA	Temporary 12', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours	210.57	
01 55 26 00-0247		**Temporary Square Sign Posts For Detours** *(01 55 26 00-0217)*		
		Note: Excludes digging and concrete.		
01 55 26 00-0248		**Temporary Galvanized Steel Square Sign Posts For Detours** *(01 55 26 00-0247)*		
01 55 26 00-0249	EA	Temporary 3' To 4' Galvanized Steel Square Sign Post Base For Detours	85.85	
01 55 26 00-0250	EA	Temporary 6' Galvanized Steel Square Sign Post For Detours	126.00	
01 55 26 00-0251	EA	Temporary 7' Galvanized Steel Square Sign Post For Detours	148.81	
01 55 26 00-0252	EA	Temporary 8' Galvanized Steel Square Sign Post For Detours	173.60	
01 55 26 00-0253	EA	Temporary 10' Galvanized Steel Square Sign Post For Detours	211.61	
01 55 26 00-0254	EA	Temporary 12' Galvanized Steel Square Sign Post For Detours	227.00	
01 55 26 00-0255		**Temporary Breakaway Sign Posts And Bases For Detours** *(01 55 26 00-0157)*		
		Note: For breakaway post systems, base posts are driven in, sign posts bolted to base post using lap splice hardware kit. Excludes sign.		
01 55 26 00-0256		**Temporary 2.5 Lb./LF Breakaway Sign Posts And Base Posts For Detours** *(01 55 26 00-0255)*		
01 55 26 00-0257		**Temporary Base Posts, 2.5 Lb./LF, For Breakaway Sign Posts For Detours** *(01 55 26 00-0256)*		
01 55 26 00-0258	EA	Temporary Base Post for 2.5 Lb./LF, Breakaway Sign Post For Detours	111.00	
01 55 26 00-0259	EA	Temporary Lap Splice Hardware For 2.5 Lb./LF, Breakaway Sign Post For Detours	68.67	
01 55 26 00-0260		**Temporary Breakaway Sign Posts, 2.5 Lb./LF For Detours** *(01 55 26 00-0256)*		
01 55 26 00-0261	LF	Temporary Breakaway Sign Post, 2.5 Lb./LF For Detours	12.70	
01 55 26 00-0262		**Temporary 4 Lb./LF Breakaway Sign Posts And Base Posts For Detours** *(01 55 26 00-0255)*		
01 55 26 00-0263		**Temporary Base Posts, 4 Lb./LF, For Breakaway Sign Posts For Detours** *(01 55 26 00-0262)*		
01 55 26 00-0264	EA	Temporary Base Post for 4 Lb./LF, Breakaway Sign Post For Detours	114.48	
01 55 26 00-0265	EA	Temporary Lap Splice Hardware for 4 Lb./LF, Breakaway Sign Post For Detours	68.67	
01 55 26 00-0266		**Temporary Breakaway Sign Posts, 4 Lb./LF For Detours** *(01 55 26 00-0262)*		
01 55 26 00-0267	LF	Temporary Breakaway Sign Post, 4 Lb./LF For Detours	14.86	
01 55 26 00-0268		**Temporary Driven Sign Posts For Detours** *(01 55 26 00-0255)*		
01 55 26 00-0269		**Temporary Driven Posts, 2.5 Lb./LF For Detours** *(01 55 26 00-0268)*		
01 55 26 00-0270	LF	Temporary Driven Post, 2.5 Lb./LF For Detours	14.69	
		For Each Soil Plate, Add	*3.00*	
01 55 26 00-0271		**Temporary Driven Posts, 4 Lb./LF For Detours** *(01 55 26 00-0268)*		
01 55 26 00-0272	LF	Temporary Driven Post, 4 Lb./LF For Detours	17.85	
		For Each Soil Plate, Add	*3.00*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0273		Temporary Omni-Directional Breakaway System For Sign Posts And Light Poles For Detours *(01 55 26 00-0255)*		
01 55 26 00-0274		Temporary Omni-Directional Breakaway Systems For Signs For Detours *(01 55 26 00-0273)*		
		Note: Break-Safe as manufactured by Transpo Industries. Organized by post type and size. Includes hinges, anchors, all associated parts and drilling.		
01 55 26 00-0275	EA	Temporary Omni-Directional Breakaway System For 6" To 8" Wide Flange (Tramspo B525)	1,202.08	
01 55 26 00-0276	EA	Temporary Omni-Directional Breakaway System For 10" To 21" Wide Flange (Tramspo B650)	1,281.03	
01 55 26 00-0277	EA	Temporary Omni-Directional Breakaway System For Standard I Beam Or W6x9 Flange (Tramspo AI4 And AI6)	878.20	
01 55 26 00-0278	EA	Temporary Omni-Directional Breakaway System For 3" To 4.5" Outside Diameter Pipe (Tramspo A3 And A4.5)	769.18	
01 55 26 00-0279	EA	Temporary Omni-Directional Breakaway System For Square Tube (Tramspo AS3 And AS4)	872.16	
01 55 26 00-0280	EA	Temporary Omni-Directional Breakaway System For U-Channels (Tramspo AU4 To AU6)	829.77	
01 55 26 00-0281	EA	Temporary Omni-Directional Breakaway System For U-Channels Embedded (Tramspo AUX4 To AUX6)	773.49	
01 55 26 00-0282		Temporary Omni-Directional Breakaway Systems For Poles For Detours *(01 55 26 00-0273)*		
		Note: Pole-Safe As Manufactured By Transpo Industries. Organized by bolt size. Includes four couplings, all associated parts, drilling and can be for new or for retrofitting existing poles.		
01 55 26 00-0283	EA	Temporary Omni-Directional Breakaway System For Poles With 5/8" Couplings	433.88	
01 55 26 00-0284	EA	Temporary Omni-Directional Breakaway System For Poles With 3/4" Couplings	454.93	
01 55 26 00-0285	EA	Temporary Omni-Directional Breakaway System For Poles With 1" Couplings	472.41	
01 55 26 00-0286	EA	Temporary Omni-Directional Breakaway System For Poles With 1 1/4" Couplings	717.32	
01 55 26 00-0287	EA	Temporary Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 10" To Less Than 15"	62.99	
01 55 26 00-0288	EA	Temporary Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 15" To 20"	83.98	
01 55 26 00-0289		Temporary Rumble Strips *(01 55 26)*		
		Note: Includes removal after use.		
01 55 26 00-0290	LF	1/4" High, 4" Wide, Polymer Tape Temporary Rumble Strip	14.10	
01 55 26 00-0291	LF	1/2" High, 3-1/2" Wide, Polycarbonate Temporary Rumble Strip	10.18	

01 56 Temporary Barriers and Enclosures *(01 50)*

Note: Includes removal after use.

01 56 16 Temporary Dust Barriers *(01 56)*

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16 00-0001		Sticky Mats *(01 56 16)*		
		Note: Includes removal after use.		
01 56 16 00-0002	EA	18" x 36", 30 Layer Sticky Mat	39.09	
		Note: Includes removal after use.		
		For 60 Layers Instead Of 30, Add		*25.58*
01 56 16 00-0003	EA	18" x 46", 30 Layer Sticky Mat	44.78	
		Note: Includes removal after use.		
		For 60 Layers Instead Of 30, Add		*29.85*
01 56 16 00-0004	EA	24" x 36", 30 Layer Sticky Mat	44.78	
		Note: Includes removal after use.		
		For 60 Layers Instead Of 30, Add		*29.85*
01 56 16 00-0005	EA	25" x 45", 30 Layer Sticky Mat	58.99	
		Note: Includes removal after use.		
		For 60 Layers Instead Of 30, Add		*40.51*
01 56 16 00-0006	EA	36" x 36", 30 Layer Sticky Mat	64.68	
		Note: Includes removal after use.		
		For 60 Layers Instead Of 30, Add		*44.78*
01 56 16 00-0007	EA	36" x 46", 30 Layer Sticky Mat	70.36	
		Note: Includes removal after use.		
		For 60 Layers Instead Of 30, Add		*49.04*
01 56 16 00-0008	EA	36" x 60", 30 Layer Sticky Mat	141.44	
		Note: Includes removal after use.		
		For 60 Layers Instead Of 30, Add		*102.35*
01 56 16 00-0009	EA	36" x 72", 30 Layer Sticky Mat	168.73	
		Note: Includes removal after use.		
01 56 16 00-0010		Temporary Sheeting For Protection *(01 56 16)*		
		Note: Includes removal after use. See CSI section 02 89 00 00-0002 for Other barriers for infectious control.		
01 56 16 00-0011	SF	6 Mil, Plastic Sheeting, Applied To Floors	0.42	
		Note: Includes removal after use.		
01 56 16 00-0012	SF	6 Mil, Plastic Sheeting, Applied To Walls	0.55	
		Note: Includes removal after use.		
01 56 16 00-0013	SF	6 Mil, Plastic Sheeting, Applied To Ceilings	0.73	
		Note: Includes removal after use.		
01 56 16 00-0014	SF	6 Mil, Plastic Sheeting, Applied To Scaffolding	0.72	
		Note: Includes removal after use.		
01 56 16 00-0015	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Floors	0.50	
		Note: Includes removal after use.		
01 56 16 00-0016	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Walls	0.63	
		Note: Includes removal after use.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16 00-0017	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Ceilings Note: Includes removal after use.	0.81	
01 56 16 00-0018	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Scaffolding Note: Includes removal after use.	0.76	
01 56 16 00-0019	SF	10 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Scaffolding Note: Includes removal after use.	0.98	
01 56 16 00-0020	SF	6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Floors Note: Includes removal after use.	0.53	
01 56 16 00-0021	SF	6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Walls Note: Includes removal after use.	0.66	
01 56 16 00-0022	SF	6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Ceilings Note: Includes removal after use.	0.84	
01 56 16 00-0023	SF	6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Scaffolding Note: Includes removal after use.	0.79	
01 56 16 00-0024	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Floors Note: Includes removal after use.	0.52	
01 56 16 00-0025	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Walls Note: Includes removal after use.	0.65	
01 56 16 00-0026	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Ceilings Note: Includes removal after use.	0.83	
01 56 16 00-0027	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Scaffolding Note: Includes removal after use.	0.78	
01 56 16 00-0028	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Floors Note: Includes removal after use.	0.59	
01 56 16 00-0029	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Walls Note: Includes removal after use.	0.72	
01 56 16 00-0030	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Ceilings Note: Includes removal after use.	0.90	
01 56 16 00-0031	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Scaffolding Note: Includes removal after use.	0.85	
01 56 16 00-0032		**Temporary Canvas For Protection** *(01 56 16)* Note: Includes removal after use.		
01 56 16 00-0033	SF	Heavy-Duty Woven Water Repellant Canvas, Applied To Walls	1.11	
01 56 16 00-0034		**Accessories For Temporary Sheeting** *(01 56 16)* Note: Includes removal after use.		
01 56 16 00-0035	EA	7' Zipper Door For Plastic Sheeting Note: Includes removal after use.	21.31	
01 56 16 00-0036	LF	Zip Wall Kit And ICRA Dust Control Awareness Barrier (Per LF Of Wall) Note: Includes up to 12' long spring loaded poles, side clamps, foam rails and 6 mil poly barrier. Excludes zip doors. Includes removal after use.	9.19	
01 56 16 00-0037		**Temporary Critical Barriers For Protection** *(01 56 16)* Note: Includes removal after use. See CSI section 02 89 00 00-0002 for Other barriers for infectious control.		
01 56 16 00-0038	EA	Up To 1 SF Individual Critical Barriers For Outlets And Receptacles Note: Includes removal after use.	11.21	
01 56 16 00-0039	EA	>1 To 4 SF Individual Critical Barriers For Diffusers, Ceiling Speakers, Return Grilles, etc. Note: Includes removal after use.	17.03	
01 56 16 00-0040	EA	>4 To 8 SF Individual Critical Barriers For Diffusers, Return Grilles, Access Doors, Light Fixtures, etc. Note: Includes removal after use.	22.92	
01 56 16 00-0041	EA	>8 To 32 SF Individual Critical Barriers For Doors, Windows, etc. Note: Includes removal after use.	36.07	
01 56 16 00-0042		**Temporary Stud Wall** *(01 56 16)* Note: Includes removal after use.		
01 56 16 00-0043		**Temporary Stud Wall With Drywall** *(01 56 16 00-0042)* Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, drywall taped and finished and removal after use. Excludes paint.		
01 56 16 00-0044		**Temporary Stud Wall With Drywall** *(01 56 16 00-0043)*		
01 56 16 00-0045	SF	3/8" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	6.09	
		For Metal Studs 24" On Center, Add/Deduct	*1.14*	
01 56 16 00-0046	SF	1/2" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	6.09	
		For Metal Studs 24" On Center, Add/Deduct	*1.14*	
01 56 16 00-0047	SF	5/8" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	6.22	
		For Metal Studs 24" On Center, Add/Deduct	*1.14*	
01 56 16 00-0048	SF	3/8" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	8.52	
		For Metal Studs 24" On Center, Add/Deduct	*1.23*	
01 56 16 00-0049	SF	1/2" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	8.52	
		For Metal Studs 24" On Center, Add/Deduct	*1.23*	
01 56 16 00-0050	SF	5/8" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	8.78	
		For Metal Studs 24" On Center, Add/Deduct	*1.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16 00-0051		**Temporary Stud Wall With Fire Rated Drywall** *(01 56 16 00-0043)*		
01 56 16 00-0052	SF	1/2" Type C Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	6.24	
		For Metal Studs 24" On Center, Add/Deduct	*1.14*	
01 56 16 00-0053	SF	5/8" Type C Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	6.28	
		For Metal Studs 24" On Center, Add/Deduct	*1.14*	
01 56 16 00-0054	SF	5/8" Type X Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	6.20	
		For Metal Studs 24" On Center, Add/Deduct	*1.14*	
01 56 16 00-0055	SF	3/4" Fire Rated (Sheetrock® Ultracode®) Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	7.20	
		For Metal Studs 24" On Center, Add/Deduct	*1.14*	
01 56 16 00-0056	SF	1/2" Type C Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	8.81	
		For Metal Studs 24" On Center, Add/Deduct	*1.23*	
01 56 16 00-0057	SF	5/8" Type C Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	8.90	
		For Metal Studs 24" On Center, Add/Deduct	*1.23*	
01 56 16 00-0058	SF	5/8" Type X Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	8.75	
		For Metal Studs 24" On Center, Add/Deduct	*1.23*	
01 56 16 00-0059	SF	3/4" Fire Rated (Sheetrock® Ultracode®) Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	10.73	
		For Metal Studs 24" On Center, Add/Deduct	*1.23*	
01 56 16 00-0060		**Temporary Stud Wall With Oriented Strand Board (OSB)** *(01 56 16 00-0042)* Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, oriented strand board (OSB) wall sheathing, and removal after use. Excludes paint.		
01 56 16 00-0061	SF	7/16" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	5.87	
		For Metal Studs 24" On Center, Add/Deduct	*1.14*	
01 56 16 00-0062	SF	1/2" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	5.91	
		For Metal Studs 24" On Center, Add/Deduct	*1.14*	
01 56 16 00-0063	SF	5/8" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	6.05	
		For Metal Studs 24" On Center, Add/Deduct	*1.14*	
01 56 16 00-0064	SF	3/4" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	6.12	
		For Metal Studs 24" On Center, Add/Deduct	*1.14*	
01 56 16 00-0065	SF	7/16" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	8.07	
		For Metal Studs 24" On Center, Add/Deduct	*1.23*	
01 56 16 00-0066	SF	1/2" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	8.16	
		For Metal Studs 24" On Center, Add/Deduct	*1.23*	
01 56 16 00-0067	SF	5/8" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	8.43	
		For Metal Studs 24" On Center, Add/Deduct	*1.23*	
01 56 16 00-0068	SF	3/4" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	8.57	
		For Metal Studs 24" On Center, Add/Deduct	*1.23*	
01 56 16 00-0069		**Temporary Stud Wall With BC Plywood** *(01 56 16 00-0042)* Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, interior/exterior BC plywood wall sheathing, and removal after use. Excludes paint.		
01 56 16 00-0070	SF	3/8" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	6.18	
		For Metal Studs 24" On Center, Add/Deduct	*1.14*	
01 56 16 00-0071	SF	1/2" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	6.36	
		For Metal Studs 24" On Center, Add/Deduct	*1.14*	
01 56 16 00-0072	SF	5/8" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	6.71	
		For Metal Studs 24" On Center, Add/Deduct	*1.14*	
01 56 16 00-0073	SF	3/4" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	6.88	
		For Metal Studs 24" On Center, Add/Deduct	*1.14*	
01 56 16 00-0074	SF	3/8" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	8.71	
		For Metal Studs 24" On Center, Add/Deduct	*1.23*	
01 56 16 00-0075	SF	1/2" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	9.05	
		For Metal Studs 24" On Center, Add/Deduct	*1.23*	
01 56 16 00-0076	SF	5/8" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	9.75	
		For Metal Studs 24" On Center, Add/Deduct	*1.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16 00-0077	SF	3/4" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	10.09	
		For Metal Studs 24" On Center, Add/Deduct	*1.23*	
01 56 16 00-0078		**Temporary Stud Wall With Plastic Sheeting** *(01 56 16 00-0042)* Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, 6 Mil plastic sheeting, and removal after use.		
01 56 16 00-0079	SF	6 Mil, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	3.43	
		For Metal Studs 24" On Center, Add/Deduct	*1.03*	
01 56 16 00-0080	SF	6 Mil, Fire Retardant, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	3.51	
		For Metal Studs 24" On Center, Add/Deduct	*1.03*	
01 56 16 00-0081	SF	6 Mil, Fire Retardant, Anti-static, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	3.54	
		For Metal Studs 24" On Center, Add/Deduct	*1.03*	
01 56 16 00-0082	SF	6 Mil, Reinforced, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	3.53	
		For Metal Studs 24" On Center, Add/Deduct	*1.03*	
01 56 16 00-0083	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	3.60	
		For Metal Studs 24" On Center, Add/Deduct	*1.03*	
01 56 16 00-0084		**14' High Temporary Stud Walls** *(01 56 16 00-0042)*		
01 56 16 00-0085	LF	14' High Temporary Stud Wall Note: Includes 2" x 4" wood studs 16" O.C., with 2" x 4" top and bottom stud, 3/4" plywood on one side, 5/8" gypsum board on one side, firetaped and finished, visqueen with 2' lap welded seams, R13 insulation and caulked at top and bottom.	150.15	
01 56 16 00-0086		**Temporary Doors** *(01 56 16 00-0042)* Note: For temporary stud walls. Includes removal after use.		
01 56 16 00-0087	EA	Temporary Metal Door And Frame Note: Painted with panic hardware, lockset, threshold and smoke seals. Remove after use.	563.69	
01 56 16 00-0088		**Temporary Floor Protection** *(01 56 16)* Note: Includes removal after use.		
01 56 16 00-0089	SF	1/8" Thick, Masonite For Temporary Floor Protection Note: Includes removal after use.	1.69	
01 56 16 00-0090	SF	1/2" Thick, Plywood For Temporary Floor Protection Note: Includes removal after use.	1.71	
01 56 16 00-0091	SF	3/4" Thick, Plywood For Temporary Floor Protection Note: Includes removal after use.	2.04	
01 56 16 00-0092	LF	38" Wide, 46 Mil Fiberboard, Ram Board® For Temporary Floor Protection Note: Includes removal after use.	1.11	
01 56 16 00-0093	LF	36" Wide, 9 Mil, Regular Weight Red Rosin Paper, For Temporary Floor Protection Note: Includes removal after use.	0.37	
01 56 16 00-0094	CSF	3 Mil, Temporary Self-adhesive Carpet Protection Film Note: Includes removal after use.	28.59	
01 56 16 00-0095	SF	Burlap For Temporary Floor Protection Note: Includes removal after use.	0.81	
01 56 26		**Temporary Fencing** *(01 56)*		
01 56 26 00-0001		**Temporary Fencing** *(01 56 26)*		
01 56 26 00-0002		**Temporary Chain Link Fence** *(01 56 26 00-0001)* Note: Includes delivery, set-up (driving posts) and removal. Excludes auguring/drilling for posts. See CSI section 02 41 19 13-0082 for core drilling in asphalt or concrete, 32 31 13 13-0001 for augering and backfill of posts.		
01 56 26 00-0003		**Temporary Chain Link Fence, Up To 6 Months** *(01 56 26 00-0002)*		
01 56 26 00-0004	LF	Temporary 4' High Chain Link Fence And Posts, Up To 6 Months	7.37	
		For >100 To 250, Deduct	*-0.17*	
		For >250 To 500, Deduct	*-0.34*	
		For >500, Deduct	*-0.51*	
		For Each LF Shade Cloth, Add	*1.60*	
01 56 26 00-0005	LF	Temporary 6' High Chain Link Fence And Posts, Up To 6 Months	8.20	
		For >100 To 250, Deduct	*-0.19*	
		For >250 To 500, Deduct	*-0.38*	
		For >500, Deduct	*-0.57*	
		For Each LF Shade Cloth, Add	*2.55*	
01 56 26 00-0006	LF	Temporary 8' High Chain Link Fence And Posts, Up To 6 Months	11.24	
		For >100 To 250, Deduct	*-0.32*	
		For >250 To 500, Deduct	*-0.65*	
		For >500, Deduct	*-0.97*	
		For Each LF Shade Cloth, Add	*3.60*	
01 56 26 00-0007	LF	Temporary 10' High Chain Link Fence And Posts, Up To 6 Months	24.47	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.92*	
		For >500, Deduct	*-2.88*	
		For Each LF Shade Cloth, Add	*4.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0008		**Temporary Chain Link Fence, >6 To 12 Months** *(01 56 26 00-0002)*		
01 56 26 00-0009	LF	Temporary 4' High Chain Link Fence And Posts, >6 To 12 Months	7.71	
		For >100 To 250, Deduct	*-0.19*	
		For >250 To 500, Deduct	*-0.37*	
		For >500, Deduct	*-0.56*	
		For Each LF Shade Cloth, Add	*1.60*	
01 56 26 00-0010	LF	Temporary 6' High Chain Link Fence And Posts, >6 To 12 Months	8.58	
		For >100 To 250, Deduct	*-0.21*	
		For >250 To 500, Deduct	*-0.42*	
		For >500, Deduct	*-0.63*	
		For Each LF Shade Cloth, Add	*2.55*	
01 56 26 00-0011	LF	Temporary 8' High Chain Link Fence And Posts, >6 To 12 Months	11.88	
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.71*	
		For >500, Deduct	*-1.06*	
		For Each LF Shade Cloth, Add	*3.60*	
01 56 26 00-0012	LF	Temporary 10' High Chain Link Fence And Posts, >6 To 12 Months	26.38	
		For >100 To 250, Deduct	*-1.06*	
		For >250 To 500, Deduct	*-2.11*	
		For >500, Deduct	*-3.17*	
		For Each LF Shade Cloth, Add	*4.75*	
01 56 26 00-0013		**Temporary Chain Link Fence, >12 To 18 Months** *(01 56 26 00-0002)*		
01 56 26 00-0014	LF	Temporary 4' High Chain Link Fence And Posts, >12 To 18 Months	8.09	
		For >100 To 250, Deduct	*-0.21*	
		For >250 To 500, Deduct	*-0.41*	
		For >500, Deduct	*-0.62*	
		For Each LF Shade Cloth, Add	*1.60*	
01 56 26 00-0015	LF	Temporary 6' High Chain Link Fence And Posts, >12 To 18 Months	9.01	
		For >100 To 250, Deduct	*-0.23*	
		For >250 To 500, Deduct	*-0.46*	
		For >500, Deduct	*-0.69*	
		For Each LF Shade Cloth, Add	*2.55*	
01 56 26 00-0016	LF	Temporary 8' High Chain Link Fence And Posts, >12 To 18 Months	12.60	
		For >100 To 250, Deduct	*-0.39*	
		For >250 To 500, Deduct	*-0.78*	
		For >500, Deduct	*-1.17*	
		For Each LF Shade Cloth, Add	*3.60*	
01 56 26 00-0017	LF	Temporary 10' High Chain Link Fence And Posts, >12 To 18 Months	28.49	
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-3.48*	
		For Each LF Shade Cloth, Add	*4.75*	
01 56 26 00-0018		**Temporary Chain Link Fence, >18 Months** *(01 56 26 00-0002)*		
01 56 26 00-0019	LF	Temporary 4' High Chain Link Fence And Posts, >18 Months	8.50	
		For >100 To 250, Deduct	*-0.23*	
		For >250 To 500, Deduct	*-0.45*	
		For >500, Deduct	*-0.68*	
		For Each LF Shade Cloth, Add	*1.60*	
01 56 26 00-0020	LF	Temporary 6' High Chain Link Fence And Posts, >18 Months	9.44	
		For >100 To 250, Deduct	*-0.25*	
		For >250 To 500, Deduct	*-0.51*	
		For >500, Deduct	*-0.76*	
		For Each LF Shade Cloth, Add	*2.55*	
01 56 26 00-0021	LF	Temporary 8' High Chain Link Fence And Posts, >18 Months	13.37	
		For >100 To 250, Deduct	*-0.43*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.29*	
		For Each LF Shade Cloth, Add	*3.60*	
01 56 26 00-0022	LF	Temporary 10' High Chain Link Fence And Posts, >18 Months	30.81	
		For >100 To 250, Deduct	*-1.28*	
		For >250 To 500, Deduct	*-2.55*	
		For >500, Deduct	*-3.83*	
		For Each LF Shade Cloth, Add	*4.75*	
01 56 26 00-0023		**Temporary Chain Link Fence Gates** *(01 56 26 00-0001)*		
		Note: Includes delivery, set-up (driving posts) and removal. Excludes auguring/drilling for posts. See CSI section 02 41 19 13-0082 for core drilling in asphalt or concrete, 32 31 13 13-0001 for augering and backfill of posts.		
01 56 26 00-0024		**Temporary Chain Link Fence Gates, Up To 6 Months** *(01 56 26 00-0023)*		
01 56 26 00-0025		**4' High, Temporary Chain Link Fence Gates, Up To 6 Months** *(01 56 26 00-0024)*		
01 56 26 00-0026	EA	4' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	290.42	
		For Each LF Shade Cloth, Add	*16.11*	
01 56 26 00-0027	EA	10' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	494.93	
		For Each LF Shade Cloth, Add	*40.27*	
01 56 26 00-0028	EA	12' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	553.83	
		For Each LF Shade Cloth, Add	*48.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0029	EA	15' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	630.64	
		For Each LF Shade Cloth, Add	*60.40*	
01 56 26 00-0030	EA	20' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	754.90	
		For Each LF Shade Cloth, Add	*80.53*	
01 56 26 00-0031	EA	24' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	840.81	
		For Each LF Shade Cloth, Add	*96.64*	
01 56 26 00-0032		**6' High, Temporary Chain Link Fence Gates, Up To 6 Months** *(01 56 26 00-0024)*		
01 56 26 00-0033	EA	4' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	311.19	
		For Each LF Shade Cloth, Add	*25.67*	
01 56 26 00-0034	EA	10' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	535.08	
		For Each LF Shade Cloth, Add	*64.18*	
01 56 26 00-0035	EA	12' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	600.13	
		For Each LF Shade Cloth, Add	*77.01*	
01 56 26 00-0036	EA	15' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	696.09	
		For Each LF Shade Cloth, Add	*96.26*	
01 56 26 00-0037	EA	20' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	841.14	
		For Each LF Shade Cloth, Add	*128.35*	
01 56 26 00-0038	EA	24' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	955.59	
		For Each LF Shade Cloth, Add	*154.02*	
01 56 26 00-0039		**8' High, Temporary Chain Link Fence Gates, Up To 6 Months** *(01 56 26 00-0024)*		
01 56 26 00-0040	EA	4' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	347.67	
		For Each LF Shade Cloth, Add	*36.24*	
01 56 26 00-0041	EA	10' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	613.99	
		For Shade Cloth, Add	*90.60*	
01 56 26 00-0042	EA	12' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	686.25	
		For Shade Cloth, Add	*108.72*	
01 56 26 00-0043	EA	15' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	786.01	
		For Shade Cloth, Add	*135.90*	
01 56 26 00-0044	EA	20' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	960.60	
		For Shade Cloth, Add	*181.20*	
01 56 26 00-0045	EA	24' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	1,116.83	
		For Shade Cloth, Add	*217.44*	
01 56 26 00-0046		**10' High, Temporary Chain Link Fence Gates, Up To 6 Months** *(01 56 26 00-0024)*		
01 56 26 00-0047	EA	4' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	420.75	
		For Each LF Shade Cloth, Add	*47.82*	
01 56 26 00-0048	EA	10' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	735.37	
		For Each LF Shade Cloth, Add	*119.54*	
01 56 26 00-0049	EA	12' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	823.60	
		For Each LF Shade Cloth, Add	*143.45*	
01 56 26 00-0050	EA	15' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	941.92	
		For Each LF Shade Cloth, Add	*179.31*	
01 56 26 00-0051	EA	20' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	1,151.45	
		For Each LF Shade Cloth, Add	*239.09*	
01 56 26 00-0052	EA	24' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	1,332.53	
		For Each LF Shade Cloth, Add	*286.90*	
01 56 26 00-0053		**Temporary Chain Link Fence Gates, >6 To 12 Months** *(01 56 26 00-0023)*		
01 56 26 00-0054		**4' High, Temporary Chain Link Fence Gates, >6 To 12 Months** *(01 56 26 00-0053)*		
01 56 26 00-0055	EA	4' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	301.21	
		For Each LF Shade Cloth, Add	*16.11*	
01 56 26 00-0056	EA	10' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	511.71	
		For Each LF Shade Cloth, Add	*40.27*	
01 56 26 00-0057	EA	12' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	573.00	
		For Each LF Shade Cloth, Add	*48.32*	
01 56 26 00-0058	EA	15' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	652.21	
		For Each LF Shade Cloth, Add	*60.40*	
01 56 26 00-0059	EA	20' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	781.26	
		For Each LF Shade Cloth, Add	*80.53*	
01 56 26 00-0060	EA	24' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	869.57	
		For Each LF Shade Cloth, Add	*96.64*	
01 56 26 00-0061		**6' High, Temporary Chain Link Fence Gates, >6 To 12 Months** *(01 56 26 00-0053)*		
01 56 26 00-0062	EA	4' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	322.46	
		For Each LF Shade Cloth, Add	*25.67*	
01 56 26 00-0063	EA	10' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	552.62	
		For Each LF Shade Cloth, Add	*64.18*	
01 56 26 00-0064	EA	12' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	620.17	
		For Each LF Shade Cloth, Add	*77.01*	
01 56 26 00-0065	EA	15' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	718.64	
		For Each LF Shade Cloth, Add	*96.26*	
01 56 26 00-0066	EA	20' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	868.70	
		For Each LF Shade Cloth, Add	*128.35*	
01 56 26 00-0067	EA	24' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	985.66	
		For Each LF Shade Cloth, Add	*154.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0068		**8' High, Temporary Chain Link Fence Gates, >6 To 12 Months** *(01 56 26 00-0053)*		
01 56 26 00-0069	EA	4' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	360.08	
		For Each LF Shade Cloth, Add	*36.24*	
01 56 26 00-0070	EA	10' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	633.29	
		For Shade Cloth, Add	*90.60*	
01 56 26 00-0071	EA	12' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	708.30	
		For Shade Cloth, Add	*108.72*	
01 56 26 00-0072	EA	15' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	810.82	
		For Shade Cloth, Add	*135.90*	
01 56 26 00-0073	EA	20' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	990.93	
		For Shade Cloth, Add	*181.20*	
01 56 26 00-0074	EA	24' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	1,149.91	
		For Shade Cloth, Add	*217.44*	
01 56 26 00-0075		**10' High, Temporary Chain Link Fence Gates, >6 To 12 Months** *(01 56 26 00-0053)*		
01 56 26 00-0076	EA	4' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	436.26	
		For Each LF Shade Cloth, Add	*47.82*	
01 56 26 00-0077	EA	10' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	759.49	
		For Each LF Shade Cloth, Add	*119.54*	
01 56 26 00-0078	EA	12' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	851.16	
		For Each LF Shade Cloth, Add	*143.45*	
01 56 26 00-0079	EA	15' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	972.93	
		For Each LF Shade Cloth, Add	*179.31*	
01 56 26 00-0080	EA	20' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	1,189.35	
		For Each LF Shade Cloth, Add	*239.09*	
01 56 26 00-0081	EA	24' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	1,373.87	
		For Each LF Shade Cloth, Add	*286.90*	
01 56 26 00-0082		**Temporary Chain Link Fence Gates, >12 To 18 Months** *(01 56 26 00-0023)*		
01 56 26 00-0083		**4' High, Temporary Chain Link Fence Gates, >12 To 18 Months** *(01 56 26 00-0082)*		
01 56 26 00-0084	EA	4' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	312.54	
		For Each LF Shade Cloth, Add	*16.11*	
01 56 26 00-0085	EA	10' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	529.33	
		For Each LF Shade Cloth, Add	*40.27*	
01 56 26 00-0086	EA	12' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	593.13	
		For Each LF Shade Cloth, Add	*48.32*	
01 56 26 00-0087	EA	15' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	674.86	
		For Each LF Shade Cloth, Add	*60.40*	
01 56 26 00-0088	EA	20' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	808.94	
		For Each LF Shade Cloth, Add	*80.53*	
01 56 26 00-0089	EA	24' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	899.77	
		For Each LF Shade Cloth, Add	*96.64*	
01 56 26 00-0090		**6' High, Temporary Chain Link Fence Gates, >12 To 18 Months** *(01 56 26 00-0082)*		
01 56 26 00-0091	EA	4' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	334.30	
		For Each LF Shade Cloth, Add	*25.67*	
01 56 26 00-0092	EA	10' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	571.03	
		For Each LF Shade Cloth, Add	*64.18*	
01 56 26 00-0093	EA	12' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	641.22	
		For Each LF Shade Cloth, Add	*77.01*	
01 56 26 00-0094	EA	15' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	742.32	
		For Each LF Shade Cloth, Add	*96.26*	
01 56 26 00-0095	EA	20' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	897.64	
		For Each LF Shade Cloth, Add	*128.35*	
01 56 26 00-0096	EA	24' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,017.23	
		For Each LF Shade Cloth, Add	*154.02*	
01 56 26 00-0097		**8' High, Temporary Chain Link Fence Gates, >12 To 18 Months** *(01 56 26 00-0082)*		
01 56 26 00-0098	EA	4' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	373.10	
		For Each LF Shade Cloth, Add	*36.24*	
01 56 26 00-0099	EA	10' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	653.55	
		For Shade Cloth, Add	*90.60*	
01 56 26 00-0100	EA	12' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	731.46	
		For Shade Cloth, Add	*108.72*	
01 56 26 00-0101	EA	15' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	836.86	
		For Shade Cloth, Add	*135.90*	
01 56 26 00-0102	EA	20' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,022.76	
		For Shade Cloth, Add	*181.20*	
01 56 26 00-0103	EA	24' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,184.64	
		For Shade Cloth, Add	*217.44*	
01 56 26 00-0104		**10' High, Temporary Chain Link Fence Gates, >12 To 18 Months** *(01 56 26 00-0082)*		
01 56 26 00-0105	EA	4' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	452.54	
		For Each LF Shade Cloth, Add	*47.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0106	EA	10' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	784.81	
		For Each LF Shade Cloth, Add	*119.54*	
01 56 26 00-0107	EA	12' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	880.10	
		For Each LF Shade Cloth, Add	*143.45*	
01 56 26 00-0108	EA	15' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,005.49	
		For Each LF Shade Cloth, Add	*179.31*	
01 56 26 00-0109	EA	20' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,229.14	
		For Each LF Shade Cloth, Add	*239.09*	
01 56 26 00-0110	EA	24' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,417.28	
		For Each LF Shade Cloth, Add	*286.90*	

01 56 26 00-0111 Temporary Chain Link Fence Gates, >18 Months *(01 56 26 00-0023)*

01 56 26 00-0112 4' High, Temporary Chain Link Fence Gates, >18 Months *(01 56 26 00-0111)*

01 56 26 00-0113	EA	4' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	323.86	
		For Each LF Shade Cloth, Add	*16.11*	
01 56 26 00-0114	EA	10' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	546.94	
		For Each LF Shade Cloth, Add	*40.27*	
01 56 26 00-0115	EA	12' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	613.27	
		For Each LF Shade Cloth, Add	*48.32*	
01 56 26 00-0116	EA	15' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	697.51	
		For Each LF Shade Cloth, Add	*60.40*	
01 56 26 00-0117	EA	20' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	836.63	
		For Each LF Shade Cloth, Add	*80.53*	
01 56 26 00-0118	EA	24' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	929.97	
		For Each LF Shade Cloth, Add	*96.64*	

01 56 26 00-0119 6' High, Temporary Chain Link Fence Gates, >18 Months *(01 56 26 00-0111)*

01 56 26 00-0120	EA	4' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	346.14	
		For Each LF Shade Cloth, Add	*25.67*	
01 56 26 00-0121	EA	10' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	589.45	
		For Each LF Shade Cloth, Add	*64.18*	
01 56 26 00-0122	EA	12' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	662.27	
		For Each LF Shade Cloth, Add	*77.01*	
01 56 26 00-0123	EA	15' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	766.00	
		For Each LF Shade Cloth, Add	*96.26*	
01 56 26 00-0124	EA	20' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	926.59	
		For Each LF Shade Cloth, Add	*128.35*	
01 56 26 00-0125	EA	24' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	1,048.80	
		For Each LF Shade Cloth, Add	*154.02*	

01 56 26 00-0126 8' High, Temporary Chain Link Fence Gates, >18 Months *(01 56 26 00-0111)*

01 56 26 00-0127	EA	4' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	386.13	
		For Each LF Shade Cloth, Add	*36.24*	
01 56 26 00-0128	EA	10' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	673.81	
		For Shade Cloth, Add	*90.60*	
01 56 26 00-0129	EA	12' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	754.61	
		For Shade Cloth, Add	*108.72*	
01 56 26 00-0130	EA	15' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	862.91	
		For Shade Cloth, Add	*135.90*	
01 56 26 00-0131	EA	20' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	1,054.60	
		For Shade Cloth, Add	*181.20*	
01 56 26 00-0132	EA	24' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	1,219.37	
		For Shade Cloth, Add	*217.44*	

01 56 26 00-0133 10' High, Temporary Chain Link Fence Gates, >18 Months *(01 56 26 00-0111)*

01 56 26 00-0134	EA	4' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	468.82	
		For Each LF Shade Cloth, Add	*47.82*	
01 56 26 00-0135	EA	10' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	810.13	
		For Each LF Shade Cloth, Add	*119.54*	
01 56 26 00-0136	EA	12' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	909.05	
		For Each LF Shade Cloth, Add	*143.45*	
01 56 26 00-0137	EA	15' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	1,038.05	
		For Each LF Shade Cloth, Add	*179.31*	
01 56 26 00-0138	EA	20' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	1,268.94	
		For Each LF Shade Cloth, Add	*239.09*	
01 56 26 00-0139	EA	24' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	1,460.70	
		For Each LF Shade Cloth, Add	*286.90*	

01 56 26 00-0140 Temporary Chain Link Fence Panels (Portable) *(01 56 26 00-0001)*

Note: Includes delivery, set-up and removal. Excludes sandbags.

01 56 26 00-0141 Temporary Chain Link Fence Panels (Portable), Up To 6 Months *(01 56 26 00-0140)*

01 56 26 00-0142	LF	Temporary 4' High Chain Link Fence Panels (Portable), Up To 6 Months	8.03	
		For >100 To 250, Deduct	*-0.20*	
		For >250 To 500, Deduct	*-0.41*	
		For >500, Deduct	*-0.61*	
		For Each LF Shade Cloth, Add	*1.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0143	LF	Temporary 6' High Chain Link Fence Panels (Portable), Up To 6 Months	8.92	
		For >100 To 250, Deduct	*-0.23*	
		For >250 To 500, Deduct	*-0.45*	
		For >500, Deduct	*-0.68*	
		For Each LF Shade Cloth, Add	*2.55*	
01 56 26 00-0144	LF	Temporary 8' High Chain Link Fence Panels (Portable), Up To 6 Months	12.11	
		For >100 To 250, Deduct	*-0.37*	
		For >250 To 500, Deduct	*-0.73*	
		For >500, Deduct	*-1.10*	
		For Each LF Shade Cloth, Add	*3.60*	

01 56 26 00-0145 Temporary Chain Link Fence Panels (Portable), >6 To 12 Months *(01 56 26 00-0140)*

01 56 26 00-0146	LF	Temporary 4' High Chain Link Fence Panels (Portable), >6 To 12 Months	8.38	
		For >100 To 250, Deduct	*-0.22*	
		For >250 To 500, Deduct	*-0.44*	
		For >500, Deduct	*-0.66*	
		For Each LF Shade Cloth, Add	*1.60*	
01 56 26 00-0147	LF	Temporary 6' High Chain Link Fence Panels (Portable), >6 To 12 Months	9.30	
		For >100 To 250, Deduct	*-0.25*	
		For >250 To 500, Deduct	*-0.49*	
		For >500, Deduct	*-0.74*	
		For Each LF Shade Cloth, Add	*2.55*	
01 56 26 00-0148	LF	Temporary 8' High Chain Link Fence Panels (Portable), >6 To 12 Months	12.75	
		For >100 To 250, Deduct	*-0.40*	
		For >250 To 500, Deduct	*-0.80*	
		For >500, Deduct	*-1.19*	
		For Each LF Shade Cloth, Add	*3.60*	

01 56 26 00-0149 Temporary Chain Link Fence Panels (Portable), >12 To 18 Months *(01 56 26 00-0140)*

01 56 26 00-0150	LF	Temporary 4' High Chain Link Fence Panels (Portable), >12 To 18 Months	8.73	
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.48*	
		For >500, Deduct	*-0.71*	
		For Each LF Shade Cloth, Add	*1.60*	
01 56 26 00-0151	LF	Temporary 6' High Chain Link Fence Panels (Portable), >12 To 18 Months	9.73	
		For >100 To 250, Deduct	*-0.27*	
		For >250 To 500, Deduct	*-0.54*	
		For >500, Deduct	*-0.80*	
		For Each LF Shade Cloth, Add	*2.55*	
01 56 26 00-0152	LF	Temporary 8' High Chain Link Fence Panels (Portable), >12 To 18 Months	13.47	
		For >100 To 250, Deduct	*-0.43*	
		For >250 To 500, Deduct	*-0.87*	
		For >500, Deduct	*-1.30*	
		For Each LF Shade Cloth, Add	*3.60*	

01 56 26 00-0153 Temporary Chain Link Fence Panels (Portable), >18 Months *(01 56 26 00-0140)*

01 56 26 00-0154	LF	Temporary 4' High Chain Link Fence Panels (Portable), >18 Months	9.16	
		For >100 To 250, Deduct	*-0.26*	
		For >250 To 500, Deduct	*-0.52*	
		For >500, Deduct	*-0.78*	
		For Each LF Shade Cloth, Add	*1.60*	
01 56 26 00-0155	LF	Temporary 6' High Chain Link Fence Panels (Portable), >18 Months	10.17	
		For >100 To 250, Deduct	*-0.29*	
		For >250 To 500, Deduct	*-0.58*	
		For >500, Deduct	*-0.87*	
		For Each LF Shade Cloth, Add	*2.55*	
01 56 26 00-0156	LF	Temporary 8' High Chain Link Fence Panels (Portable), >18 Months	14.23	
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.94*	
		For >500, Deduct	*-1.42*	
		For Each LF Shade Cloth, Add	*3.60*	

01 56 26 00-0157 Temporary Chain Link Fence Panels (Portable) Sandbags *(01 56 26 00-0140)*

01 56 26 00-0158	BAG	Temporary Chain Link Fence Panels (Portable) Sandbag Note: Includes placement and removal.	7.49

01 56 26 00-0159 Relocate Chain Link Fence, Gates And Panels *(01 56 26 00-0001)*

Note: Excludes auguring/drilling for posts.

01 56 26 00-0160 Relocate Temporary Chain Link Fence On Site *(01 56 26 00-0159)*

01 56 26 00-0161	LF	Relocate Temporary 4' High Chain Link Fence And Posts	3.52
01 56 26 00-0162	LF	Relocate Temporary 6' High Chain Link Fence And Posts	5.27
01 56 26 00-0163	LF	Relocate Temporary 8' High Chain Link Fence And Posts	7.62
01 56 26 00-0164	LF	Relocate Temporary 10' High Chain Link Fence And Posts	9.37

01 56 26 00-0165 Relocate Temporary Chain Link Fence Panels On Site *(01 56 26 00-0159)*

01 56 26 00-0166	LF	Relocate Temporary 4' High Chain Link Fence Panel, Self Standing	0.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0167	LF	Relocate Temporary 6' High Chain Link Fence Panel, Self Standing	1.19	
01 56 26 00-0168	LF	Relocate Temporary 8' High Chain Link Fence Panel, Self Standing	1.34	

01 56 26 00-0169 Relocate Temporary Chain Link Gates On Site *(01 56 26 00-0159)*

01 56 26 00-0170	EA	Relocate Temporary 4' High Chain Link Vehicle Gate And Posts	129.47	
01 56 26 00-0171	EA	Relocate Temporary 6' High Chain Link Vehicle Gate And Posts	149.39	
01 56 26 00-0172	EA	Relocate Temporary 8' High Chain Link Vehicle Gate And Posts	184.25	
01 56 26 00-0173	EA	Relocate Temporary 10' High Chain Link Vehicle Gate And Posts	199.19	

01 56 26 00-0174 Temporary Rail And Timber Structure *(01 56 26)*

01 56 26 00-0175	LF	4' High Temporary Rail And Timber Structure Note: Includes steel posts, rails and plates, excavation, concrete, forming, finish, backfill and creosoted planking with 2" gaps	239.09	
01 56 26 00-0176	LF	6' High Temporary Rail And Timber Structure Note: Includes steel posts, rails and plates, excavation, concrete, forming, finish, backfill and creosoted planking with 2" gaps	340.92	
01 56 26 00-0177	LF	8' High Temporary Rail And Timber Structure Note: Includes steel posts, rails and plates, excavation, concrete, forming, finish, backfill and creosoted planking with 2" gaps	442.75	
01 56 26 00-0178	LF	10' High Temporary Rail And Timber Structure Note: Includes steel posts, rails and plates, excavation, concrete, forming, finish, backfill and creosoted planking with 2" gaps	565.64	
01 56 26 00-0179	LF	12' High Temporary Rail And Timber Structure Note: Includes steel posts, rails and plates, excavation, concrete, forming, finish, backfill and creosoted planking with 2" gaps	657.50	
01 56 26 00-0180	LF	15' High Temporary Rail And Timber Structure Note: Includes steel posts, rails and plates, excavation, concrete, forming, finish, backfill and creosoted planking with 2" gaps	754.36	

01 56 26 00-0181 Temporary Safety Fence *(01 56 26)*

Note: Includes removal after use.

01 56 26 00-0182	LF	48" High With Posts At 8' On Center, Plastic Mesh Temporary Safety Fence	3.73	

01 56 29 Temporary Protective Walkways *(01 56)*

01 56 29 00-0001 Temporary Sidewalk Bridge Protection *(01 56 29)*

01 56 29 00-0002 Installation of Sidewalk Bridge *(01 56 29 00-0001)*

Note: Excludes material rental. See CSI section 01 56 29 00-0005 for monthly rental x length.

01 56 29 00-0003	LF	Installation of Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system.	171.46	
		For 3 Post System, Add	*6.00*	
		For Each Additional Foot Over 8' Wide, Add	*3.00*	
		For Each Additional Foot Over 8' High, Add	*2.00*	
01 56 29 00-0004	LF	Installation of Netting for Sidewalk Bridge	4.37	

01 56 29 00-0005 Monthly Rental of Sidewalk Bridge *(01 56 29 00-0001)*

Note: Excludes installation set-up and removal. See CSI section 01 56 29 00-0002 for installation set-up, 01 56 29 00-0016 for removal.

01 56 29 00-0006	LF	Monthly Rental Of Up To 8' Wide And 8' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting and maintenance.	15.49	
		For 3 Post System, Add	*2.32*	
01 56 29 00-0007	LF	Monthly Rental Of Up To 8' Wide, 8' - 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting and maintenance.	17.45	
		For 3 Post System, Add	*2.62*	
01 56 29 00-0008	LF	Monthly Rental Of Up To 8' Wide, Over 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting and maintenance.	19.38	
		For 3 Post System, Add	*2.91*	
01 56 29 00-0009	LF	Monthly Rental Of 8' - 12' Wide And 8' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting and maintenance.	19.38	
		For 3 Post System, Add	*2.91*	
01 56 29 00-0010	LF	Monthly Rental Of 8' - 12' Wide, 8' - 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting and maintenance.	21.30	
		For 3 Post System, Add	*3.20*	
01 56 29 00-0011	LF	Monthly Rental Of 8' - 12' Wide, Over 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting and maintenance.	25.21	
		For 3 Post System, Add	*3.78*	
01 56 29 00-0012	LF	Monthly Rental Of Over 12' Wide And 8' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting and maintenance.	23.28	
		For 3 Post System, Add	*3.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 29 00-0013	LF	Monthly Rental Of Over 12' Wide, 8' - 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly	27.15	
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
		For 3 Post System, Add	*4.07*	
01 56 29 00-0014	LF	Monthly Rental Of Over 12' Wide, Over 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly	29.05	
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
		For 3 Post System, Add	*4.36*	
01 56 29 00-0015	LF	Monthly Rental of Netting for Sidewalk Bridge	2.90	

01 56 29 00-0016 Removal of Sidewalk Bridge *(01 56 29 00-0001)*

01 56 29 00-0017	LF	Removal Of Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly	35.69	
		Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system.		
		For 3 Post System, Add	*2.50*	
		For Each Additional Foot Over 8' Wide, Add	*1.25*	
		For Each Additional Foot Over 8' High, Add	*0.75*	
01 56 29 00-0018	LF	Removal Of Netting For Sidewalk Bridge	1.49	

01 56 29 00-0019 Temporary Safety Nets *(01 56 29)*

Note: Includes removal after use.

01 56 29 00-0020	SF	Small Mesh Debris Netting	2.72	
		Note: Includes 3" molded plastic base plates, plastic cable ties, and 1/4", 7x9 aircraft cable tied off to structure, not including anchors.		

01 56 33 Temporary Security Barriers *(01 56)*

01 56 33 00-0001 Board-up Opening With Plywood *(01 56 33)*

Note: For use where directed by owner for boarding up door and window openings.

01 56 33 00-0002	OPNG	Removal Of Protective Barrier To Allow Work In Building, Reseal At End Of Day, Per Opening Per Day	14.95	
01 56 33 00-0003	SF	5/8" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners, For Board-Up Opening	8.20	
01 56 33 00-0004	SF	3/4" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners, For Board-Up Opening	9.50	

01 56 33 00-0005 Temporary Pedestrian Barricade *(01 56 33)*

Note: Portable, interlocking galvanized steel fence with pivoting legs.

01 56 33 00-0006	DAY	3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental	14.47	
01 56 33 00-0007	WK	3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental	35.15	
01 56 33 00-0008	MO	3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental	105.44	

01 56 39 Temporary Tree and Plant Protection *(01 56)*

01 56 39 00-0001 Temporary Tree Guards *(01 56 39)*

Note: Includes digging holes and removal after use.

01 56 39 00-0002	EA	Up To 4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail	214.48	
01 56 39 00-0003	EA	4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail	253.66	
01 56 39 00-0004	EA	6' x 6' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail	275.54	

01 57 Temporary Controls *(01 50)*

01 57 13 Temporary Erosion and Sediment Control *(01 57)*

See CSI section 31 25 00 00-0000 for temporary erosion and sediment control.

01 57 23 Temporary Storm Water Pollution Control *(01 57)*

See CSI section 31 25 00 00-0000 for temporary storm water pollution control.

01 57 23 00-0001 Temporary Drain Guard *(01 57 23)*

Note: Includes removal after use.

01 57 23 00-0002	EA	36" x 48" x 18" Non-Woven Polypropylene Trash and Debris Drain Guard (Ultra-Drain Guard® 9227)	115.06	
01 57 23 00-0003	EA	36" x 48" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9217)	112.94	
		Note: Up to 0.87 gallons oil, up to 40 Lb. sediment.		
01 57 23 00-0004	EA	36" x 48" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9219)	142.89	
		Note: Up to 1.38 gallons oil, up to 40 Lb. sediment.		
01 57 23 00-0005	EA	60" x 60" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9356)	140.74	
		Note: Up to 1.55 gallons oil, up to 40 Lb. sediment.		
01 57 23 00-0006	EA	60" x 60" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9358)	172.85	
		Note: Up to 2.06 gallons oil, up to 40 Lb. sediment.		

01 57 26 Site Watering for Dust Control *(01 57)*

01 57 26 00-0001 Site Watering for Dust Control *(01 57 26)*

01 57 26 00-0002	MSF	Apply Synthetic, Liquid Dust Suppression Fluid With GTL Technology (Soil Works Durasoil)	118.21	
		Note: GTL (Gas-to-Liquid)		
01 57 26 00-0003	MSF	Apply 2% Solution Of Biodegradable, Liquid Copolymer Dust Suppression Fluid To Ground (Soil Works Gorrila-Snot)	43.98	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 57 26 00-0004	MSF	Apply 4% Solution Of Biodegradable, Liquid Copolymer Dust Suppression Fluid To Ground (Soil Works Gorrila-Snot)	66.31	
01 57 26 00-0005	MSF	Apply 8% Solution Of Biodegradable, Liquid Copolymer Dust Suppression Fluid To Ground (Soil Works Gorrila-Snot)	110.98	
01 57 26 00-0006	MSF	Apply 12% Solution Of Biodegradable, Liquid Copolymer Dust Suppression Fluid To Ground (Soil Works Gorrila-Snot)	155.65	

01 58 Project Identification *(01 50)*

Note: Includes removal after use.

01 58 13 Temporary Project Signage *(01 58)*

01 58 13 00-0001 Project Sign *(01 58 13)*

01 58 13 00-0002 MDO Plywood Signs *(01 58 13 00-0001)*

Note: Excludes posts.

01 58 13 00-0003 Reflectorized, MDO Plywood Signs *(01 58 13 00-0002)*

01 58 13 00-0004 Engineer Grade, Reflectorized, MDO Plywood Signs *(01 58 13 00-0003)*

01 58 13 00-0005	EA	Up To 8 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	166.22	27.40
		For High-Intensity Grade, Add	*39.00*	
		For Diamond Grade, Add	*75.22*	
01 58 13 00-0006	EA	>8 To 16 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	280.14	28.64
		For High-Intensity Grade, Add	*78.00*	
		For Diamond Grade, Add	*150.44*	
01 58 13 00-0007	EA	>16 To 24 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	394.08	29.88
		For High-Intensity Grade, Add	*117.01*	
		For Diamond Grade, Add	*225.66*	
01 58 13 00-0008	EA	>24 To 32 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	508.00	31.13
		For High-Intensity Grade, Add	*156.01*	
		For Diamond Grade, Add	*300.87*	
01 58 13 00-0009	SF	>32 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	15.93	0.99
		For High-Intensity Grade, Add	*4.88*	
		For Diamond Grade, Add	*9.40*	

01 58 13 00-0010 Non-Reflectorized, MDO Plywood Signs *(01 58 13 00-0002)*

01 58 13 00-0011 One Or Two Color Design, Non-Reflectorized, MDO Plywood Signs *(01 58 13 00-0010)*

01 58 13 00-0012	EA	Up To 8 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign	212.84	27.40
01 58 13 00-0013	EA	>8 To 16 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign	253.06	28.64
01 58 13 00-0014	EA	>16 To 24 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign	315.72	29.88
01 58 13 00-0015	EA	>24 To 32 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign	374.90	31.13
01 58 13 00-0016	SF	>32 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign	11.77	0.99

01 58 13 00-0017 Full Color Design, Non-Reflectorized, MDO Plywood Signs *(01 58 13 00-0010)*

01 58 13 00-0018	EA	Up To 8 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign	217.29	27.40
01 58 13 00-0019	EA	>8 To 16 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign	277.05	28.64
01 58 13 00-0020	EA	>16 To 24 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign	340.10	29.88
01 58 13 00-0021	EA	>24 To 32 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign	395.79	31.13
01 58 13 00-0022	SF	>32 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign	12.42	0.99

01 58 13 00-0023 Fabricate And Install New Posts *(01 58 13 00-0001)*

Note: Includes excavation, backfill and compaction. Excludes core drilling.

01 58 13 00-0024	LF	Galvanized Metal Channel Sign Posts	17.37	
01 58 13 00-0025	LF	4" x 4" Pressure Treated Wood Sign Posts	12.57	
01 58 13 00-0026	LF	4" x 6" Pressure Treated Wood Sign Posts	15.56	

01 58 13 00-0027 Owner Supplied Signs *(01 58 13 00-0001)*

01 58 13 00-0028	EA	Installation And Removal Of Owner Supplied Project Sign	99.60	

01 60 Product Requirements *(01)*

01 65 Product Delivery Requirements *(01 60)*

01 65 00 00-0001 Helicopter Lift *(01 65)*

Note: Includes Helcopter, Crew, Permits, Fuel And Clearances

01 65 00 00-0002	DAY	< 3,500 Lb., Helicopter Lift Note: Maximum of (3) Operations, Helicopter Crew, Helicopter, Rigging. Includes Day Permit for FAA Permit, Street Closure fees and Right of way. Signage , Safety Rigging Landing Plan. Clearing, Cleaning and Delineation of Landing Zone, Drop Zone, and Alternate landing Area. Delineation and closure of Ingress Egress routes.	36,948.42	
		For Weekend Day Usage, Add	*3,500.00*	

01 66 Product Storage and Handling Requirements *(01 60)*

01 66 19 Product Handling Requirements *(01 66)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

Note: Not for use in conjunction with other tasks when the distance is less than 2 stories or less than 125'.

01 66 19 00-0001 Transfer Delivered Materials Between Floors *(01 66 19)*

Note: For moving delivered, owner supplied or existing materials in a building.

01 66 19 00-0002	CY	Transfer Delivered Material Between Floors Via Stairs, Per Floor Note: Quantity equals volume of materials multiplied by number of floors traveled.	19.15
01 66 19 00-0003	CY	Transfer Delivered Material Between Floors Via Elevator, Per Trip Note: Quantity is not multiplied by number of floors traveled. Includes transfer of materials between elevators, if more than one bank of elevators is required.	12.45

01 66 19 00-0004 Transfer Delivered Materials Distances Greater Than 125' *(01 66 19)*

Note: For moving delivered, owner supplied or existing materials in a building.

01 66 19 00-0005	CY	Transfer Delivered Materials Distances Greater Than 125', Per CY Of Material Per 125'	7.78

01 66 19 00-0006 Transfer Demolition Debris Between Floors *(01 66 19)*

Note: Only for use with demolition tasks.

01 66 19 00-0007	CY	Transfer Demolition Debris Between Floors Via Stairs, Per Floor Note: Quantity equals material volume times bulk factor times number of floors traveled.	19.15
01 66 19 00-0008	CY	Transfer Demolition Debris Between Floors Via Elevator, Per Trip Note: Quantity is not multiplied by number of floors traveled. Includes transfer of materials between elevators, if more than one bank of elevators is required.	12.45

01 66 19 00-0009 Transfer Demolition Debris Distances Greater Than 125' *(01 66 19)*

Note: Only for use with demolition tasks.

01 66 19 00-0010	CY	Transfer Demolition Debris Distances Greater Than 125', Per CY Of Material Per 125'	7.78

01 66 19 00-0011 Moving Furniture And Furnishings *(01 66 19)*

Note: To be used when contractor is required to move furniture and furnishings occupying 55% or more of the total floor space.

01 66 19 00-0012	SF	Removal, Transportation, Return And Reinstallation Of Office Furniture And Furnishings Note: Includes desks, tables, file cabinets, chairs, storage boxes, bookshelves, office equipment, computers, and other furniture and furnishings. Quantity equals total floor space.	1.24

01 66 23 Off-Site Storage Facilities *(01 66)*

01 66 23 00-0001 Climate And Humidity Controlled Off-site Storage Facility *(01 66 23)*

01 66 23 00-0002	MO	5' x 10', Climate And Humidity Controlled Storage Facility	308.46
01 66 23 00-0003	MO	10' x 10', Climate And Humidity Controlled Storage Facility	345.57
01 66 23 00-0004	MO	10' x 20', Climate And Humidity Controlled Storage Facility	635.47
01 66 23 00-0005	MO	15' x 15', Climate And Humidity Controlled Storage Facility	781.58
01 66 23 00-0006	MO	10' x 30', Climate And Humidity Controlled Storage Facility	1,001.91

01 70 Execution and Closeout Requirements *(01)*

01 71 Examination and Preparation *(01 70)*

01 71 13 Mobilization *(01 71)*

01 71 13 00-0001 Equipment Delivery, Pickup, Mobilization And Demobilization *(01 71 13)*

Note: Excludes flagman for traffic control where necessary. Per each mobilization delivery.

01 71 13 00-0002	EA	Equipment Delivery, Pickup, Mobilization And Demobilization Using A Rollback Flatbed Truck Note: Includes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as trenchers, skid-steer loaders (bobcats), industrial warehouse forklifts, sweepers, scissor platform lifts, telescoping and articulating boom man lifts with up to 40' boom lengths, etc.	470.09
01 71 13 00-0003	EA	Equipment Delivery, Pickup, Mobilization And Demobilization Using A Tractor Trailer With Up To 53' Bed Note: Includes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as bulldozers, motor scrapers, hydraulic excavators, gradalls, road graders, loader-backhoes, heavy-duty construction loaders, tractors, pavers, rollers, bridge finishers, straight mast construction forklifts, telescoping boom rough terrain construction forklifts, telescoping and articulating boom man lifts with >40' boom lengths, etc.	1,494.69

01 71 13 00-0004 Crane Delivery, Pickup, Mobilization And Demobilization *(01 71 13)*

Note: Includes delivery of equipment, off loading on site and rigging. Pick-up (return) includes dismantling, loading and transporting away. Excludes flagman for traffic control where necessary.

01 71 13 00-0005	EA	Up To 20 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	501.43
		For >30 To 60 Miles Radius, Add	*125.36*
		For >60 To 100 Miles Radius, Add	*200.57*
01 71 13 00-0006	EA	>20 To 40 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	814.82
		For >30 To 60 Miles Radius, Add	*203.71*
		For >60 To 100 Miles Radius, Add	*325.93*
01 71 13 00-0007	EA	>40 To 70 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	1,128.22
		For >30 To 60 Miles Radius, Add	*282.06*
		For >60 To 100 Miles Radius, Add	*451.29*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 13 00-0008	EA	>70 To 110 Ton Lift Move On/Off Cost, Hydraulic Crane	1,817.68	
		Note: Includes delivery and pickup.		
		For >30 To 60 Miles Radius, Add	*454.42*	
		For >60 To 100 Miles Radius, Add	*727.07*	
01 71 13 00-0009	EA	>110 To 125 Ton Lift Move On/Off Cost, Hydraulic Crane	2,281.50	
		Note: Includes delivery and pickup.		
		For >30 To 60 Miles Radius, Add	*570.38*	
		For >60 To 100 Miles Radius, Add	*912.60*	
01 71 13 00-0010	EA	>125 To 150 Ton Lift Move On/Off Cost, Hydraulic Crane	2,839.35	
		Note: Includes delivery and pickup.		
		For >30 To 60 Miles Radius, Add	*709.84*	
		For >60 To 100 Miles Radius, Add	*1,135.74*	
01 71 13 00-0011	EA	>150 To 185 Ton Lift Move On/Off Cost, Hydraulic Crane	3,271.83	
		Note: Includes delivery and pickup.		
		For >30 To 60 Miles Radius, Add	*817.96*	
		For >60 To 100 Miles Radius, Add	*1,308.73*	
01 71 13 00-0012	EA	>185 To 210 Ton Lift Move On/Off Cost, Hydraulic Crane	3,660.44	
		Note: Includes delivery and pickup.		
		For >30 To 60 Miles Radius, Add	*915.11*	
		For >60 To 100 Miles Radius, Add	*1,464.18*	
01 71 13 00-0013	EA	75 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane	1,943.04	
		Note: Includes delivery, rigging and pickup.		
		For >30 To 60 Miles Radius, Add	*485.76*	
		For >60 To 100 Miles Radius, Add	*777.22*	
01 71 13 00-0014	EA	100 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane	3,071.26	
		Note: Includes delivery, rigging and pickup.		
		For >30 To 60 Miles Radius, Add	*767.82*	
		For >60 To 100 Miles Radius, Add	*1,228.50*	
01 71 13 00-0015	EA	125 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane	3,886.08	
		Note: Includes delivery, rigging and pickup.		
		For >30 To 60 Miles Radius, Add	*971.52*	
		For >60 To 100 Miles Radius, Add	*1,554.43*	
01 71 13 00-0016	EA	150 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane	4,826.27	
		Note: Includes delivery, rigging and pickup.		
		For >30 To 60 Miles Radius, Add	*1,206.57*	
		For >60 To 100 Miles Radius, Add	*1,930.51*	
01 71 13 00-0017	EA	200 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane	6,017.16	
		Note: Includes delivery, rigging and pickup.		
		For >30 To 60 Miles Radius, Add	*1,504.29*	
		For >60 To 100 Miles Radius, Add	*2,406.86*	
01 71 13 00-0018	EA	250 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane	7,020.02	
		Note: Includes delivery, rigging and pickup.		
		For >30 To 60 Miles Radius, Add	*1,755.01*	
		For >60 To 100 Miles Radius, Add	*2,808.01*	
01 71 13 00-0019	EA	300 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane	10,028.60	
		Note: Includes delivery, rigging and pickup.		
		For >30 To 60 Miles Radius, Add	*2,507.15*	
		For >60 To 100 Miles Radius, Add	*4,011.44*	
01 71 13 00-0020	EA	500 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane	13,751.72	
		Note: Includes delivery, rigging and pickup.		
		For >30 To 60 Miles Radius, Add	*3,437.93*	
		For >60 To 100 Miles Radius, Add	*5,500.69*	

01 71 23 Field Engineering *(01 71)*

01 71 23 16 Construction Surveying *(01 71 23)*

01 71 23 16-0001 Conventional Topographic Survey *(01 71 23 16)*

Note: The professional services include AutoCAD drafting and certification. The survey includes location of structures, walks, drives, parking, significant vegetation, utilities, etc. The area within building footprint is not to be considered as part of the acreage.

01 71 23 16-0002	ACR	Conventional Topographic Survey Of Clear Area With Few To No Obstacles	1,349.02
01 71 23 16-0003	ACR	Conventional Topographic Survey Of Clear Area With Medium Height Vegetation, Few Trees (<5% Buildings)	3,797.00
01 71 23 16-0004	ACR	Conventional Topographic Survey Of Clear Area With Few Structures, And/or Wooded (5-25% Buildings)	5,452.92
01 71 23 16-0005	ACR	Conventional Topographic Survey Of Developed Areas With Several Structures (25-65% Buildings)	8,197.59
01 71 23 16-0006	ACR	Conventional Topographic Survey Of Highly Developed Areas, Sidewalks, Etcetera (>65% Buildings)	10,262.33

01 71 23 16-0007 Property Lines Survey *(01 71 23 16)*

Note: Not to be added to tasks in the "Conventional Topographic Survey" section.

01 71 23 16-0008	LF	Survey Property Lines On Cleared Land	3.01
01 71 23 16-0009	LF	Survey Property Lines On Slightly Wooded Land	3.49
01 71 23 16-0010	LF	Survey Property Lines On Wooded Land	4.09

01 71 23 16-0011 Survey Monument *(01 71 23 16)*

01 71 23 16-0012	EA	3' Precast Survey Monument	210.64
		For Owner Furnished Monument, Deduct	*-85.10*
01 71 23 16-0013	EA	Precast Survey Monument Box With Cast Iron Frame And Cover	315.02
01 71 23 16-0014	EA	Riser Ring For Survey Monument	162.14
01 71 23 16-0015	EA	Adjust Survey Monument Cover To Grade	255.29

01 71 23 16-0016 Facade Surveying *(01 71 23 16)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 23 16-0017	LF	Facade Survey And Reports (LF Of Facade x Number Of Floors)	8.33	
01 71 23 16-0018		Utility Survey *(01 71 23 16)* Note: This survey is only for the location of underground utilities.		
01 71 23 16-0019	ACR	Survey Clear Area For Underground Utilities	7,001.62	
01 71 23 16-0020		GPR Bridge Deck And Pavement Inspection *(01 71 23 16)*		
01 71 23 16-0021		GPR Bridge Deck And Pavement Inspection Mobilization Fee *(01 71 23 16-0020)* Note: One mobilization per project.		
01 71 23 16-0022	EA	GPR Bridge Deck And Pavement Inspection Mobilization Fee	4,251.62	
01 71 23 16-0023		Bridge Deck Delamination Survey, GPR Bridge Deck Inspection *(01 71 23 16-0020)* Note: Each project will use the Survey Fee task with a quantity of 1 and one other task for the area of the bridge deck surveyed.		
01 71 23 16-0024	EA	Survey Fee, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection	3,013.35	
01 71 23 16-0025	SF	Up To 5,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection	1.27	
01 71 23 16-0026	SF	>5,000 To 10,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection	1.00	
01 71 23 16-0027	SF	>10,000 To 25,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection	0.80	
01 71 23 16-0028	SF	>25,000 To 50,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection	0.60	
01 71 23 16-0029	SF	>50,000 To 100,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection	0.48	
01 71 23 16-0030	SF	>100,000 To 250,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection	0.38	
01 71 23 16-0031	SF	>250,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection	0.28	
01 71 23 16-0032		Depth Of Reinforcement/Overlay Thickness Survey, GPR Bridge Deck Inspection *(01 71 23 16-0020)* Note: Each project will use the Survey Fee task with a quantity of 1 and one other task for the area of the bridge deck surveyed.		
01 71 23 16-0033	EA	Survey Fee, Depth Of Reinforcement/Overlay Thickness Survey, GPR Bridge Deck Inspection	1,004.45	
01 71 23 16-0034	SF	Depth Of Reinforcement/Overlay Thickness Survey, GPR Bridge Deck Inspection	0.06	
01 71 23 16-0035		Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection *(01 71 23 16-0020)* Note: Each project will use the Survey Fee task with a quantity of 1 and one other task for the area of the bridge deck surveyed.		
01 71 23 16-0036	EA	Survey Fee, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection	1,004.45	
01 71 23 16-0037	SF	Up To 5,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection	0.46	
01 71 23 16-0038	SF	>5,000 To 10,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection	0.36	
01 71 23 16-0039	SF	>10,000 To 25,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection	0.28	
01 71 23 16-0040	SF	>25,000 To 50,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection	0.22	
01 71 23 16-0041	SF	>50,000 To 100,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection	0.18	
01 71 23 16-0042	SF	>100,000 To 250,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection	0.14	
01 71 23 16-0043	SF	>250,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection	0.10	
01 71 23 16-0044		Pavement Structure And Thickness Measurement, GPR Pavement Inspection *(01 71 23 16-0020)* Note: Each project will use one task for the length of the pavement surveyed.		
01 71 23 16-0045	LM	Up To 4 Lane Miles (LM), Pavement Structure And Thickness Measurement, GPR Pavement Inspection	7,469.09	
01 71 23 16-0046	LM	>4 To 9 Lane Miles (LM), Pavement Structure And Thickness Measurement, GPR Pavement Inspection	3,256.43	
01 71 23 16-0047	LM	>9 To 49 Lane Miles (LM), Pavement Structure And Thickness Measurement, GPR Pavement Inspection	2,424.74	
01 71 23 16-0048	LM	>49 To 99 Lane Miles (LM), Pavement Structure And Thickness Measurement, GPR Pavement Inspection	1,323.87	
01 71 23 16-0049	LM	>99 Lane Miles (LM), Pavement Structure And Thickness Measurement, GPR Pavement Inspection	1,040.61	
01 71 23 16-0050		Pavement Thickness Contour (Mapping), GPR Pavement Inspection *(01 71 23 16-0020)* Note: Each project will use one task for the length of the pavement surveyed.		
01 71 23 16-0051	LM	Up To 4 Lane Miles (LM), Pavement Thickness Contour (Mapping), GPR Pavement Inspection	9,504.11	
01 71 23 16-0052	LM	>4 To 9 Lane Miles (LM), Pavement Thickness Contour (Mapping), GPR Pavement Inspection	4,469.80	
01 71 23 16-0053	LM	>9 To 49 Lane Miles (LM), Pavement Thickness Contour (Mapping), GPR Pavement Inspection	3,395.04	
01 71 23 16-0054	LM	>49 To 99 Lane Miles (LM), Pavement Thickness Contour (Mapping), GPR Pavement Inspection	1,902.43	
01 71 23 16-0055	LM	>99 Lane Miles (LM), Pavement Thickness Contour (Mapping), GPR Pavement Inspection	1,504.67	
01 71 23 16-0056		Pavement Void Detection (Mapping), GPR Pavement Inspection *(01 71 23 16-0020)* Note: Each project will use one task for the length of the pavement surveyed.		
01 71 23 16-0057	LM	Up To 4 Lane Miles (LM), Pavement Void Detection (Mapping), GPR Pavement Inspection	11,286.00	
01 71 23 16-0058	LM	>4 To 9 Lane Miles (LM), Pavement Void Detection (Mapping), GPR Pavement Inspection	5,530.50	
01 71 23 16-0059	LM	>9 To 49 Lane Miles (LM), Pavement Void Detection (Mapping), GPR Pavement Inspection	4,242.80	
01 71 23 16-0060	LM	>49 To 99 Lane Miles (LM), Pavement Void Detection (Mapping), GPR Pavement Inspection	2,408.67	
01 71 23 16-0061	LM	>99 Lane Miles (LM), Pavement Void Detection (Mapping), GPR Pavement Inspection	1,908.46	
01 71 23 16-0062		Drone Survey (Extreme Aerial Productions) *(01 71 23 16)* Note: Thermographic services to electrical line grid inspections.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 71 23 16-0063 Mobilization For Drone Surveying *(01 71 23 16-0062)*

01 71 23 16-0064	EA	Mobilization For Up To 1000 Acres, Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Fixed Wing	270.04	
01 71 23 16-0065	EA	Mobilization For > 1000 Acres Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Fixed Wing	675.11	
01 71 23 16-0066	EA	Mobilization For Up To 400 Acres, Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Hexacopter	180.03	
01 71 23 16-0067	EA	Mobilization For Drone Road Survey For Topography/Progression/Inspection	360.06	
01 71 23 16-0068	EA	Mobilization For Drone Survey Stockpile	180.03	
01 71 23 16-0069	EA	Mobilization For Drone Inspection	180.03	
01 71 23 16-0070	EA	Mobilization For Qualitative Drone Thermal Inspection	360.06	
01 71 23 16-0071	EA	Mobilization For Quantitative Drone Thermal Inspection	450.08	
01 71 23 16-0072	EA	Mobilization For Drone Agricultural Multispectral Survey	720.12	
01 71 23 16-0073	EA	Mobilization For Drone Building Inspection/Scan/Thermal	540.09	
01 71 23 16-0074	EA	Mobilization For Drone 3D Modelling	450.08	
01 71 23 16-0075	EA	Mobilization For Drone Spraying Crops Or Sanitation	810.14	
01 71 23 16-0076	EA	Mobilization For Drone Video Progression/Marketing	180.03	
01 71 23 16-0077	EA	Mobilization For Drone Pictures Progression/Marketing	180.03	
01 71 23 16-0078	EA	Mobilization For Drone Training, Flying, Test Prep, Equipment Checks	180.03	
01 71 23 16-0079	EA	Mobilization For Drone Accident Reconstruction	180.03	
01 71 23 16-0080	EA	Mobilization For Drone Landfill Survey	270.04	
01 71 23 16-0081	EA	Mobilization For Drone Event Security Using Tethered Drones	360.06	
01 71 23 16-0082	EA	Mobilization For Drone Emergency Response	900.15	
01 71 23 16-0083	EA	Mobilization For Drone Cell Tower Inspection	270.04	

01 71 23 16-0084 Drone Surveying *(01 71 23 16-0062)*

01 71 23 16-0085	HR	Up To 1000 Acres, Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Fixed Wing Note: 3 hour minimum	657.11	
		For Visual Observation, Add	*180.03*	
		For Additional Manpower, Add	*180.03*	
01 71 23 16-0086	HR	> 1000 Acres, Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Fixed Wing	837.14	
		For Visual Observation, Add	*270.04*	
		For Additional Manpower, Add	*216.04*	
01 71 23 16-0087	HR	Up To 400 Acres, Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Hexacopter Note: 3 hour minimum	540.09	
		For Visual Observation, Add	*180.03*	
		For Additional Manpower, Add	*180.03*	
01 71 23 16-0088	HR	Drone Road Survey For Topography/Progression/Inspection Note: 3 hour minimum	630.10	
		For Visual Observation, Add	*270.04*	
		For Additional Manpower, Add	*180.03*	
01 71 23 16-0089	HR	Drone Survey Stockpile Note: 3 hour minimum	450.08	
		For Visual Observation, Add	*180.03*	
		For Additional Manpower, Add	*180.03*	
01 71 23 16-0090	HR	Drone Inspection Note: 3 hour minimum	630.10	
		For Visual Observation, Add	*180.03*	
		For Additional Manpower, Add	*180.03*	
01 71 23 16-0091	HR	Qualitative Drone Thermal Inspection Note: 5 hour minimum	720.12	
		For Visual Observation, Add	*270.04*	
		For Additional Manpower, Add	*180.03*	
01 71 23 16-0092	HR	Quantitative Drone Thermal Inspection Note: 5 hour minimum	1,080.18	
		For Visual Observation, Add	*270.04*	
		For Additional Manpower, Add	*180.03*	
01 71 23 16-0093	HR	Drone Agricultural Multispectral Survey Note: 6 hour minimum	810.14	
		For Visual Observation, Add	*180.03*	
		For Additional Manpower, Add	*180.03*	
01 71 23 16-0094	HR	Drone Building Inspection/Scan/Thermal Note: 3 hour minimum	720.12	
		For Visual Observation, Add	*270.04*	
		For Additional Manpower, Add	*180.03*	
01 71 23 16-0095	HR	Drone 3D Modelling Note: 3 hour minimum	540.09	
		For Visual Observation, Add	*270.04*	
		For Additional Manpower, Add	*180.03*	
01 71 23 16-0096	HR	Drone Spraying Crops Or Sanitation Note: 3 hour minimum	720.12	
		For Visual Observation, Add	*225.04*	
		For Additional Manpower, Add	*180.03*	
01 71 23 16-0097	HR	Drone Video Progression/Marketing Note: 2 hour minimum	360.06	
		For Visual Observation, Add	*180.03*	
		For Additional Manpower, Add	*180.03*	
01 71 23 16-0098	HR	Drone Pictures Progression/Marketing Note: 2 hour minimum	270.04	
		For Visual Observation, Add	*180.03*	
		For Additional Manpower, Add	*180.03*	
01 71 23 16-0099	HR	Drone Training, Flying, Test Prep, Equipment Checks Note: 3 hour minimum	540.09	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 23 16-0100	HR	Drone Accident Reconstruction Note: 2 hour minimum	810.14	
		For Visual Observation, Add	*180.03*	
		For Additional Manpower, Add	*180.03*	
01 71 23 16-0101	HR	Drone Landfill Survey Note: 3 hour minimum	657.11	
		For Visual Observation, Add	*180.03*	
		For Additional Manpower, Add	*180.03*	
01 71 23 16-0102	HR	Drone Event Security Using Tethered Drones Note: 3 hour minimum	450.08	
		For Visual Observation, Add	*180.03*	
		For Additional Manpower, Add	*180.03*	
01 71 23 16-0103	HR	Drone Emergency Response Note: 3 hour minimum	450.08	
		For Visual Observation, Add	*270.04*	
		For Additional Manpower, Add	*180.03*	
01 71 23 16-0104	HR	Drone Cell Tower Inspection Note: 3 hour minimum	450.08	
		For Visual Observation, Add	*225.04*	
		For Additional Manpower, Add	*180.03*	

01 71 23 16-0105 Utilization And Deliverables For Drone Surveying *(01 71 23 16-0062)*

01 71 23 16-0106	Day	Utilization Of GPS Ground Control For Drone Surveying	450.08	
01 71 23 16-0107	Day	Utilization Of GPS Base Station Per Day For Drone Surveying	450.08	
01 71 23 16-0108	HR	Processing And Data Deliverables And Reporting For Drone Surveying Note: 2 hour minimum	180.03	
01 71 23 16-0109	HR	Processing And Data Deliverables And Reporting Of Thermal For Drone Surveying Note: 3 hour minimum	360.06	

01 71 23 16-0110 Travel, Waivers, And Editing For Drone Surveying *(01 71 23 16-0062)*

01 71 23 16-0111	MI	Travel Over 100 Miles For Drone Surveying Note: For additional miles over 100	1.04	
01 71 23 16-0112	EA	Overnight Stay Per Person For Drone Surveying	225.04	
01 71 23 16-0113	EA	Waiver Utilization B, C, D, And E For Drone Surveying Note: Restricted airspace	90.02	
01 71 23 16-0114	EA	Night Waiver For Drone Surveying	117.02	
01 71 23 16-0115	EA	Flying Over People Waiver For Drone Surveying	180.03	
01 71 23 16-0116	EA	Beyond Visual Line Of Sight (BVLOS) Waiver For Drone Surveying	900.15	
01 71 23 16-0117	HR	Editing Video For Drone Surveying Note: 2 hour minimum	180.03	
01 71 23 16-0118	HR	Editing Pictures For Drone Surveying Note: 2 hour minimum	90.02	
01 71 23 16-0119	HR	Custom Post Processing For Drone Surveying Note: 3 hour minimum	270.04	

01 71 36 Non-Destructive Concrete Examination *(01 71)*

01 71 36 00-0001 Electromagnetic Survey *(01 71 36)*

Note: To locate voids, prior to moving heavy machinery to an area of concern, to locate reinforcing bars, conduits, pipes, etc., prior to core drilling or cutting existing concrete, masonry or asphalt, to locate underground utilities, underground storage tanks, etc. Electromagnetic survey includes Subsurface Interface Radar (SIR) and/or Ground Penetrating Radar (GPR).

01 71 36 00-0002 Electromagnetic (SIR/GPR) Survey *(01 71 36 00-0001)*

01 71 36 00-0003	EA	Up To 1 Hour On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt	1,161.90
01 71 36 00-0004	EA	>1 To 4 Hours On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt	1,742.85
01 71 36 00-0005	EA	>4 To 8 Hours On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt	3,485.70

01 71 36 00-0006 Reports And Mapping For Electromagnetic (SIR/GPR) Surveys *(01 71 36 00-0001)*

01 71 36 00-0007	EA	Standard Report For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt Note: Includes a detailed description of the scope of work, inspection methods, and equipment used. Also includes visuals such as site locations, images of data, and site photos.	387.30
01 71 36 00-0008	EA	GPS Mapping Of Located Utilities/Items For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt Note: Includes GPS coordinates of located items and reference items.	774.60
01 71 36 00-0009	EA	CAD Mapping Of Located Utilities/Items For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt Note: Includes additions to the owner provided CAD drawing.	1,742.85

01 74 Cleaning and Waste Management *(01 70)*

01 74 13 Progress Cleaning *(01 74)*

Note: For use on existing areas other than where actual work is to be performed where ordered by the owner. Daily cleanup and final cleanup is included in the contractor's adjustment factor.

01 74 13 00-0001 General *(01 74 13)*

01 74 13 00-0002	CSF	Clean Miscellaneous Surfaces, Wipe Down With Mild Detergent	24.93
01 74 13 00-0003	CY	Collect Existing Debris And Load Into Truck Or Dumpster Note: Per CY of debris removed.	29.18

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 74 16 Site Maintenance *(01 74)*

01 74 16 00-0001 Parking Lot, Roads And Pathway Maintenance *(01 74 16)*

Note: These tasks shall be used for maintenance of existing roads and walks only as requested by the owner. Tasks not to be used in conjunction with related installation/demolition tasks.

01 74 16 00-0002 Parking Lot, Road, And Street Sweeping *(01 74 16 00-0001)*

01 74 16 00-0003	MSF	Sweep Parking Lot, With Street Sweeper	24.50	
01 74 16 00-0004	MSF	Sweeper/Vacuum/Sprayer For Parking Lots, Streets And Roads	29.40	

01 74 16 00-0005 Runway Sweeping *(01 74 16 00-0001)*

01 74 16 00-0006	MSF	Sweep Runway, With Street Sweep	36.75	

01 74 19 Construction Waste Management and Disposal *(01 74)*

Note: Tasks in this section shall be used as directed by owner.

01 74 19 00-0001 Debris Chutes *(01 74 19)*

Note: Includes hopper sections and entry sections. Used as required for buildings of all heights.

01 74 19 00-0002 Steel Temporary Debris Chutes *(01 74 19 00-0001)*

01 74 19 00-0003	LF	18" Diameter, Steel Temporary Debris Chute	39.77	
01 74 19 00-0004	LF	30" Diameter, Steel Temporary Debris Chute	60.97	

01 74 19 00-0005 Plastic Temporary Debris Chutes *(01 74 19 00-0001)*

01 74 19 00-0006	LF	24" Diameter, Plastic Temporary Debris Chute	15.76	
		For Steel Liner, Add		*3.17*
01 74 19 00-0007	LF	30" Diameter, Plastic Temporary Debris Chute	18.08	
		For Steel Liner, Add		*3.64*
01 74 19 00-0008	LF	36" Diameter, Plastic Temporary Debris Chute	20.38	
		For Steel Liner, Add		*4.10*

01 74 19 00-0009 Wood Temporary Debris Chutes *(01 74 19 00-0001)*

01 74 19 00-0010	LF	4' x 4', Wood Temporary Debris Chute Note: Includes fabrication and installation.	31.94	

01 74 19 00-0011 Construction Dumpsters Rental *(01 74 19)*

Note: Includes service to delivery and pick-up of dumpster, hauling of debris, rental of dumpster and all applicable non-hazardous disposal fees. Cost of "each" is based on each pick-up. Use modifier for excess tons up to legal state limit. Unacceptable materials include: aerosol cans, all liquids, animals, antifreeze, appliances, asbestos, barrels, batteries, chemical products, computers, contaminated oils (mixed with solvents, gasoline, etc.), dirt, fluorescent tubes, hazardous waste, herbicides and pesticides, industrial waste, lubricating/hydraulic oil, mattresses, medical waste, microwaves, monitors, motor oil, oil filters, other flammable liquids, paint (except completely dried latex paint cans, no liquids), petroleum-contaminated soil/lead paint chips, propane tanks, radioactive material, railroad ties, solvents, televisions, tires, and transmission oil.

01 74 19 00-0012	EA	6 CY Dumpster "Construction Debris" Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	477.94	
01 74 19 00-0013	EA	10 CY Dumpster "Construction Debris" Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	564.84	
01 74 19 00-0014	EA	15 CY Dumpster "Construction Debris" Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	600.35	
01 74 19 00-0015	EA	20 CY Dumpster "Construction Debris" Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	664.60	
01 74 19 00-0016	EA	30 CY Dumpster "Construction Debris" Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	744.32	
01 74 19 00-0017	EA	40 CY Dumpster "Construction Debris" Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	860.09	
01 74 19 00-0018	EA	10 CY Low-Boy Dumpster Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee.	754.42	

01 74 19 00-0019 Construction Washout Container *(01 74 19)*

01 74 19 00-0020	EA	30" x 30" x 14" High, Corrugated Cardboard With 6mm Liner, 50 Gallon, Construction Washout Bin Note: Up to 10 uses, requires additonal 6mm plastic for multiple uses See CSI section 01 56 16 00-0011 for 6mm plastic for additional loads.	56.59	
01 74 19 00-0021	EA	48" x 48" x 14" High, Corrugated Cardboard With 6mm Liner, 140 Gallon, Construction Washout Bin Note: Up to 10 uses, requires additonal 6mm plastic for multiple uses See CSI section 01 56 16 00-0011 for 6mm plastic for additional loads.	81.31	
01 74 19 00-0022	EA	72" x 72" x 12" High, Corrugated Cardboard With 6mm Liner, 260 Gallon, Construction Washout Bin Note: Up to 10 uses, requires additonal 6mm plastic for multiple uses See CSI section 01 56 16 00-0011 for 6mm plastic for additional loads.	140.01	

01 74 19 00-0023 Concrete Washout Service *(01 74 19)*

01 74 19 00-0024	MO	Rampless Concrete Washout Bin Note: Includes delivery.	571.94	
01 74 19 00-0025	MO	Ramped Concrete Washout Bin Note: Includes delivery.	686.33	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 74 19 00-0026	EA	Interim Vacuum Service, Concrete Washout Bin Note: Includes vacuum and recycle excess clear liquid from the unfilled bin to allow additional space for washout material.	640.17	
01 74 19 00-0027	EA	Vacuum, Pickup, Swap And Dump, Concrete Washout Bin Note: Includes vacuum the liquid from the full bin and pick up the bin, and recycle all material. An empty bin will be left at the site if the project is not completed.	1,387.04	
01 74 19 00-0028		Debris Processing Fee *(01 74 19)*		
01 74 19 00-0029		Material Recycling Fees *(01 74 19 00-0028)* Note: Not to be used with Dumpster Tasks which includes the Landfill Dump Fee. Excludes hauling.		
01 74 19 00-0030	CY	Drop-Off Asphalt At Recycling Center	22.54	
01 74 19 00-0031	CY	Drop-Off Non-Reinforced Concrete At Recycling Center	30.20	
01 74 19 00-0032	CY	Drop-Off Reinforced Concrete At Recycling Center	45.29	
01 74 19 00-0033	CY	Drop-Off Brick Or Block At Recycling Center	39.25	
01 74 19 00-0034	CY	Drop-Off Dirt At Recycling Center	43.78	
01 74 19 00-0035	CY	Drop-Off Dimensional Lumber At Recycling Center	21.14	
01 74 19 00-0036		Landfill Dump Fees *(01 74 19 00-0028)* Note: Does not apply when material is transferred to owner's site or facility, or with use of dumpsters. Excludes hauling.		
01 74 19 00-0037	CY	Traditional Building Construction Materials Landfill Dump Fee	20.09	
01 74 19 00-0038	TON	Traditional Building Construction Materials, Landfill Dump Fee	87.57	
01 74 19 00-0039	CY	Trees, Stumps And Brush, Landfill Dump Fee	24.19	
01 74 19 00-0040	CY	Hazardous Materials And Rubbish Landfill Dump Fee Note: Includes regulated waste such as paint cans, refrigerators/freezers, air conditioners, smoke detectors, batteries, etc.	57.68	
01 74 19 00-0041		Hauling *(01 74 19)* Note: Includes driver and equipment, ten (10) to fifteen (15) minutes load time, time for travel, dump time and return (roundtrip). The task quantity is the number of miles to the disposal site/transfer station (one way mileage) times the number of cubic yards being transported. For example, to haul 8 CY to a site 14 miles away, the quantity is calculated as follows: 14 miles x 8 CY = 112 CYM. Use both hauling tasks for distances greater than 15 miles. To haul 28 CY to a site 32 miles away, the quantity for the task to haul the first 15 miles is calculated: 15 miles x 28 CY = 420 CYM. The quantity for the additional hauling task over the first 15 miles is calculated: 32 total miles less 15 initial miles equals 17 miles x 28 CY = 476 CYM.		
01 74 19 00-0042	CYM	Hauling Up To 15 Miles	1.32	
01 74 19 00-0043	CYM	Hauling, Miles Over Initial 15 Miles	0.99	

01 74 23 Final Cleaning *(01 74)*

01 74 23 00-0001		Cleaning Of Glass *(01 74 23)*		
01 74 23 00-0002	CSF	Cleaning Of Existing Glass Surfaces	33.74	

01 90 Life Cycle Activities *(01)*

01 91 Commissioning *(01 90)*

01 91 13 General Commissioning Requirements *(01 91)*

01 91 13 00-0001		Commissioning Of Systems *(01 91 13)* Note: For use with commissioning of mechanical and electrical systems.		
01 91 13 00-0002	HR	Commissioning - Fire Protection Sprinkler Systems	229.89	
01 91 13 00-0003	HR	Commissioning - Plumbing Systems	231.33	
01 91 13 00-0004	HR	Commissioning - HVAC/Mechanical Systems	260.24	
01 91 13 00-0005	HR	Commissioning - Electrical/Fire Alarms/Security Systems	250.60	

END OF SECTION 01

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

02 Existing Conditions

02 30 Subsurface Investigation *(02)*

02 32 Geotechnical Investigations *(02 30)*

02 32 13 Subsurface Drilling and Sampling *(02 32)*

See CSI section 01 45 23 00-0000 for testing and lab reports.

02 32 13 00-0001 Mobilization Of Drilling Crew *(02 32 13)*

02 32 13 00-0002	EA	Mobilization Of Drilling Crew	1,292.77

02 32 13 00-0003 Auger Borings *(02 32 13)*

02 32 13 00-0004	LF	Standard Auger Hole With Split Spoon Sample At 5' Intervals	38.94

02 32 13 00-0005 Cased Borings In Earth, With Samples *(02 32 13)*

Note: All types of soils.

02 32 13 00-0006	LF	2-1/2" Diameter Cased Borings In Earth, With Samples	99.35
02 32 13 00-0007	LF	4" Diameter Cased Borings In Earth, With Samples	169.90

02 32 13 00-0008 Drilling In Rock, BW Core (2.125") *(02 32 13)*

02 32 13 00-0009	LF	Drill In Rock, BW Core, With Casing Note: Includes sampling.	105.14
02 32 13 00-0010	EA	Drill In Rock, With BW Core Boxes	9.91

02 32 13 00-0011 Drilling In Rock, NW Core (2.98") *(02 32 13)*

02 32 13 00-0012	LF	Drill In Rock, NW Core, With Casing Note: Includes sampling.	135.94
02 32 13 00-0013	EA	Drill In Rock, With NW Core Boxes	11.40

02 32 13 00-0014 Test Pits For Boring Activities *(02 32 13)*

Note: Excludes backfill. See CSI section 31 23 16 36-0016 for backfill.

02 32 13 00-0015 Backhoe Dug Test Pits *(02 32 13 00-0014)*

02 32 13 00-0016	CY	Excavation For Test Pit, Light Material, Backhoe Excavation	74.29
02 32 13 00-0017	CY	Excavation For Test Pits, Medium Material, Backhoe Excavation	86.67
02 32 13 00-0018	CY	Excavation For Test Pit, Heavy Material, Backhoe Excavation	115.56

02 32 13 00-0019 Hand-Dug Test Pits *(02 32 13 00-0014)*

02 32 13 00-0020	CY	Excavation For Test Pit, Light Soil, Hand Excavation	221.32
02 32 13 00-0021	CY	Excavation For Test Pit, Heavy Soil, Hand Excavation	398.38

02 32 13 00-0022 Shelby Tube Sampling *(02 32 13)*

02 32 13 00-0023	EA	Shelby Tube Sampling	55.95
02 32 13 00-0024	EA	Penetration Test	45.59

02 32 13 00-0025 Grouting *(02 32 13)*

02 32 13 00-0026	VLF	Boreholes	10.61

02 32 19 Exploratory Excavations *(02 32)*

02 32 19 00-0001 Hydro Excavation *(02 32 19)*

Note: Assumes on-site disposal. See CSI section 01 22 23 00-1455 for additional water per day, 01 71 13 00-0000 for additional support equipment mobilization, 01 74 19 00-0036 for off-site disposal fee of material, 01 74 19 00-0041 for hauling excavated soil from site.

02 32 19 00-0002	EA	Hydro Excavation, Minimum Charge Note: For projects where the total charge is less than the "Hydro Excavation Minimum" cost, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	1,423.07
02 32 19 00-0003	EA	600 to 750 Gallon Water Capacity, 6 To 9 CY Soil Capacity, Hydro Excavation, Mobilization/Demobilization Per Day Note: Includes initial water.	711.54
02 32 19 00-0004	EA	1,200 To 1,500 Gallon Water Capacity, 12 To 15 CY Soil Capacity, Hydro Excavation, Mobilization/Demobilization Per Day Note: Includes initial water	830.13
02 32 19 00-0005	EA	Move And Reset Up At Different Access/Location, Hydro Excavation	118.59
02 32 19 00-0006	CY	Hydro Excavation, Normal Soil Conditions (Hydro-Vac Truck) Note: Normal soil conditions consist of silt, sand and gravel.	98.91
02 32 19 00-0007	CY	Hydro Excavation, Adverse Soil Conditions (Hydro-Vac Truck) Note: Adverse soil conditions consist of clay, glacial till and rocks.	158.20

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

02 40 Demolition and Structure Moving (02)

02 41 Demolition (02 40)

02 41 13 Selective Site Demolition (02 41)

02 41 13 13 Paving Removal (02 41 13)

02 41 13 13-0001 By Machine, Break-up And Leave In Place Bituminous And Concrete Paving (02 41 13 13)

Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles. These tasks are not to be used in conjunction with any other loading activities or other break-up tasks. Excludes saw cutting (where required) and disposal. See CSI section 02 41 13 13-0018 for breaking-up, removal and loading as a combined operation, 02 41 19 13-0059 for saw cutting.

02 41 13 13-0002	SY	Up To 3" By Machine, Break-up And Leave In Place Bituminous Paving	7.66	
		For >500 To 1,000, Deduct	*-0.77*	
		For >1,000 To 2,500, Deduct	*-1.38*	
		For >2,500 To 5,000, Deduct	*-1.99*	
		For >5,000 To 10,000, Deduct	*-2.60*	
		For >10,000, Deduct	*-3.22*	
02 41 13 13-0003	SY	>3" To 6" By Machine, Break-up And Leave In Place Bituminous Paving	11.49	
		For >500 To 1,000, Deduct	*-1.15*	
		For >1,000 To 2,500, Deduct	*-2.07*	
		For >2,500 To 5,000, Deduct	*-2.99*	
		For >5,000 To 10,000, Deduct	*-3.91*	
		For >10,000, Deduct	*-4.83*	
02 41 13 13-0004	SY	>6" To 9" By Machine, Break-up And Leave In Place Bituminous Paving	15.33	
		For >500 To 1,000, Deduct	*-1.53*	
		For >1,000 To 2,500, Deduct	*-2.76*	
		For >2,500 To 5,000, Deduct	*-3.99*	
		For >5,000 To 10,000, Deduct	*-5.21*	
		For >10,000, Deduct	*-6.44*	
02 41 13 13-0005	SY	Up To 3" By Machine, Break-up And Leave In Place Concrete Paving	14.84	
		For >500 To 1,000, Deduct	*-1.48*	
		For >1,000 To 2,500, Deduct	*-2.67*	
		For >2,500 To 5,000, Deduct	*-3.86*	
		For >5,000 To 10,000, Deduct	*-5.05*	
		For >10,000, Deduct	*-6.23*	
02 41 13 13-0006	SY	>3" To 6" By Machine, Break-up And Leave In Place Concrete Paving	20.96	
		For >500 To 1,000, Deduct	*-2.10*	
		For >1,000 To 2,500, Deduct	*-3.77*	
		For >2,500 To 5,000, Deduct	*-5.45*	
		For >5,000 To 10,000, Deduct	*-7.13*	
		For >10,000, Deduct	*-8.80*	
02 41 13 13-0007	SY	>6" To 9" By Machine, Break-up And Leave In Place Concrete Paving	29.69	
		For >500 To 1,000, Deduct	*-2.97*	
		For >1,000 To 2,500, Deduct	*-5.34*	
		For >2,500 To 5,000, Deduct	*-7.72*	
		For >5,000 To 10,000, Deduct	*-10.09*	
		For >10,000, Deduct	*-12.47*	
02 41 13 13-0008	SY	>9" To 14" By Machine, Break-up And Leave In Place Concrete Paving	41.91	
		For >500 To 1,000, Deduct	*-4.19*	
		For >1,000 To 2,500, Deduct	*-7.54*	
		For >2,500 To 5,000, Deduct	*-10.90*	
		For >5,000 To 10,000, Deduct	*-14.25*	
		For >10,000, Deduct	*-17.60*	
02 41 13 13-0009	SY	>14" To 19" By Machine, Break-up And Leave In Place Concrete Paving	54.81	
		For >500 To 1,000, Deduct	*-5.48*	
		For >1,000 To 2,500, Deduct	*-9.87*	
		For >2,500 To 5,000, Deduct	*-14.25*	
		For >5,000 To 10,000, Deduct	*-18.64*	
		For >10,000, Deduct	*-23.02*	
02 41 13 13-0010	SY	>19" To 24" By Machine, Break-up And Leave In Place Concrete Paving	71.25	
		For >500 To 1,000, Deduct	*-7.13*	
		For >1,000 To 2,500, Deduct	*-12.83*	
		For >2,500 To 5,000, Deduct	*-18.53*	
		For >5,000 To 10,000, Deduct	*-24.23*	
		For >10,000, Deduct	*-29.93*	

02 41 13 13-0011 By Hand, Break-up And Leave In Place Bituminous And Concrete Paving (02 41 13 13)

Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles with jackhammer and hand tools. For individual work areas where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. These tasks are not to be used in conjunction with any other loading activities or other break-up tasks. Excludes saw cutting (where required) and disposal. See CSI section 02 41 13 13-0018 for breaking-up, removal and loading as a combined operation, 02 41 13 13-0038 for breaking-up, removal and loading as a combined operation, 02 41 19 13-0059 for saw cutting.

02 41 13 13-0012	SF	Up To 3" By Hand, Break-up And Leave In Place Bituminous Paving	1.97
02 41 13 13-0013	SF	>3" To 6" By Hand, Break-up And Leave In Place Bituminous Paving	2.50
02 41 13 13-0014	SF	>6" To 9" By Hand, Break-up And Leave In Place Bituminous Paving	3.31
02 41 13 13-0015	SF	Up To 3" By Hand, Break-up And Leave In Place Concrete Paving	2.47
02 41 13 13-0016	SF	>3" To 6" By Hand, Break-up And Leave In Place Concrete Paving	3.15
02 41 13 13-0017	SF	>6" To 9" By Hand, Break-up And Leave In Place Concrete Paving	4.14

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 13 13-0018		By Machine, Break-up And Remove Bituminous And Concrete Paving *(02 41 13 13)*			
		Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles, breaking into manageable sizes by machine and loading into truck, dumpster or moving material to stockpile. Removal depth to include base aggregate. Excludes saw cutting (where required) and disposal. See CSI section 02 41 19 13-0059 for saw cutting.			
02 41 13 13-0019	SY	Up To 3" By Machine, Break-up And Remove Bituminous Paving		16.57	
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add Note: (Around Existing Structures And Obstructions), Add		*4.97*	
		For Elevated Slab, Add		*8.29*	
		For >500 To 1,000, Deduct		*-1.66*	
		For >1,000 To 2,500, Deduct		*-2.98*	
		For >2,500 To 5,000, Deduct		*-4.31*	
		For >5,000 To 10,000, Deduct		*-5.63*	
		For >10,000, Deduct		*-6.96*	
02 41 13 13-0020	SY	>3" To 6" By Machine, Break-up And Remove Bituminous Paving		22.62	
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add Note: (Around Existing Structures And Obstructions), Add		*6.79*	
		For Elevated Slab, Add		*11.31*	
		For >500 To 1,000, Deduct		*-2.26*	
		For >1,000 To 2,500, Deduct		*-4.07*	
		For >2,500 To 5,000, Deduct		*-5.88*	
		For >5,000 To 10,000, Deduct		*-7.69*	
		For >10,000, Deduct		*-9.50*	
02 41 13 13-0021	SY	>6" To 9" By Machine, Break-up And Remove Bituminous Paving		31.39	
		For Elevated Slab, Add		*15.70*	
		For >500 To 1,000, Deduct		*-3.14*	
		For >1,000 To 2,500, Deduct		*-5.65*	
		For >2,500 To 5,000, Deduct		*-8.16*	
		For >5,000 To 10,000, Deduct		*-10.67*	
		For >10,000, Deduct		*-13.18*	
02 41 13 13-0022	SY	>9" To 12" By Machine, Break-up And Remove Bituminous Paving		40.95	
		For Elevated Slab, Add		*20.48*	
		For >500 To 1,000, Deduct		*-4.10*	
		For >1,000 To 2,500, Deduct		*-7.37*	
		For >2,500 To 5,000, Deduct		*-10.65*	
		For >5,000 To 10,000, Deduct		*-13.92*	
		For >10,000, Deduct		*-17.20*	
02 41 13 13-0023	SY	>12" To 15" By Machine, Break-up And Remove Bituminous Paving		57.00	
		For Elevated Slab, Add		*28.50*	
		For >500 To 1,000, Deduct		*-5.70*	
		For >1,000 To 2,500, Deduct		*-10.26*	
		For >2,500 To 5,000, Deduct		*-14.82*	
		For >5,000 To 10,000, Deduct		*-19.38*	
		For >10,000, Deduct		*-23.94*	
02 41 13 13-0024	SY	>15" To 18" By Machine, Break-up And Remove Bituminous Paving		78.37	
		For Elevated Slab, Add		*39.19*	
		For >500 To 1,000, Deduct		*-7.84*	
		For >1,000 To 2,500, Deduct		*-14.11*	
		For >2,500 To 5,000, Deduct		*-20.38*	
		For >5,000 To 10,000, Deduct		*-26.65*	
		For >10,000, Deduct		*-32.92*	
02 41 13 13-0025	SY	Up To 3" By Machine, Break-up And Remove Non-Reinforced Concrete Paving		19.05	
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add Note: (Around Existing Structures And Obstructions), Add		*5.72*	
		For Elevated Slab, Add		*9.53*	
		For >500 To 1,000, Deduct		*-1.91*	
		For >1,000 To 2,500, Deduct		*-3.43*	
		For >2,500 To 5,000, Deduct		*-4.95*	
		For >5,000 To 10,000, Deduct		*-6.48*	
		For >10,000, Deduct		*-8.00*	
02 41 13 13-0026	SY	>3" To 6" By Machine, Break-up And Remove Non-Reinforced Concrete Paving		24.94	
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add Note: (Around Existing Structures And Obstructions), Add		*7.48*	
		For Elevated Slab, Add		*12.47*	
		For >500 To 1,000, Deduct		*-2.49*	
		For >1,000 To 2,500, Deduct		*-4.49*	
		For >2,500 To 5,000, Deduct		*-6.48*	
		For >5,000 To 10,000, Deduct		*-8.48*	
		For >10,000, Deduct		*-10.47*	
02 41 13 13-0027	SY	>6" To 9" By Machine, Break-up And Remove Non-Reinforced Concrete Paving		44.53	
		For Elevated Slab, Add		*22.27*	
		For >500 To 1,000, Deduct		*-4.45*	
		For >1,000 To 2,500, Deduct		*-8.02*	
		For >2,500 To 5,000, Deduct		*-11.58*	
		For >5,000 To 10,000, Deduct		*-15.14*	
		For >10,000, Deduct		*-18.70*	
02 41 13 13-0028	SY	>9" To 14" By Machine, Break-up And Remove Non-Reinforced Concrete Paving		58.18	
		For Elevated Slab, Add		*29.09*	
		For >500 To 1,000, Deduct		*-5.82*	
		For >1,000 To 2,500, Deduct		*-10.47*	
		For >2,500 To 5,000, Deduct		*-15.13*	
		For >5,000 To 10,000, Deduct		*-19.78*	
		For >10,000, Deduct		*-24.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 13 13-0029	SY	Up To 3" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving		25.29
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add		*7.59*
		Note: (Around Existing Structures And Obstructions), Add		
		For Elevated Slab, Add		*12.65*
		For >500 To 1,000, Deduct		*-2.53*
		For >1,000 To 2,500, Deduct		*-4.55*
		For >2,500 To 5,000, Deduct		*-6.58*
		For >5,000 To 10,000, Deduct		*-8.60*
		For >10,000, Deduct		*-10.62*
02 41 13 13-0030	SY	>3" To 6" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving		32.78
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add		*9.83*
		Note: (Around Existing Structures And Obstructions), Add		
		For Elevated Slab, Add		*16.39*
		For >500 To 1,000, Deduct		*-3.28*
		For >1,000 To 2,500, Deduct		*-5.90*
		For >2,500 To 5,000, Deduct		*-8.52*
		For >5,000 To 10,000, Deduct		*-11.15*
		For >10,000, Deduct		*-13.77*
02 41 13 13-0031	SY	>6" To 9" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving		54.33
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add		*16.30*
		Note: (Around Existing Structures And Obstructions), Add		
		For Elevated Slab, Add		*27.17*
		For >500 To 1,000, Deduct		*-5.43*
		For >1,000 To 2,500, Deduct		*-9.78*
		For >2,500 To 5,000, Deduct		*-14.13*
		For >5,000 To 10,000, Deduct		*-18.47*
		For >10,000, Deduct		*-22.82*
02 41 13 13-0032	SY	Up To 3" By Machine, Break-up And Remove Rod Reinforced Concrete Paving		27.43
		For Elevated Slab, Add		*13.72*
		For >500 To 1,000, Deduct		*-2.74*
		For >1,000 To 2,500, Deduct		*-4.94*
		For >2,500 To 5,000, Deduct		*-7.13*
		For >5,000 To 10,000, Deduct		*-9.33*
		For >10,000, Deduct		*-11.52*
02 41 13 13-0033	SY	>3" To 6" By Machine, Break-up And Remove Rod Reinforced Concrete Paving		35.27
		For Elevated Slab, Add		*17.64*
		For >500 To 1,000, Deduct		*-3.53*
		For >1,000 To 2,500, Deduct		*-6.35*
		For >2,500 To 5,000, Deduct		*-9.17*
		For >5,000 To 10,000, Deduct		*-11.99*
		For >10,000, Deduct		*-14.81*
02 41 13 13-0034	SY	>6" To 9" By Machine, Break-up And Remove Rod Reinforced Concrete Paving		63.06
		For Elevated Slab, Add		*31.53*
		For >500 To 1,000, Deduct		*-6.31*
		For >1,000 To 2,500, Deduct		*-11.35*
		For >2,500 To 5,000, Deduct		*-16.40*
		For >5,000 To 10,000, Deduct		*-21.44*
		For >10,000, Deduct		*-26.49*
02 41 13 13-0035	SY	>9" To 14" By Machine, Break-up And Remove Rod Reinforced Concrete Paving		82.29
		For Elevated Slab, Add		*41.15*
		For >500 To 1,000, Deduct		*-8.23*
		For >1,000 To 2,500, Deduct		*-14.81*
		For >2,500 To 5,000, Deduct		*-21.40*
		For >5,000 To 10,000, Deduct		*-27.98*
		For >10,000, Deduct		*-34.56*
02 41 13 13-0036	SY	>14" To 19" By Machine, Break-up And Remove Rod Reinforced Concrete Paving		107.58
		For Elevated Slab, Add		*53.79*
		For >500 To 1,000, Deduct		*-10.76*
		For >1,000 To 2,500, Deduct		*-19.36*
		For >2,500 To 5,000, Deduct		*-27.97*
		For >5,000 To 10,000, Deduct		*-36.58*
		For >10,000, Deduct		*-45.18*
02 41 13 13-0037	SY	>19" To 24" By Machine, Break-up And Remove Rod Reinforced Concrete Paving		130.57
		For Elevated Slab, Add		*65.29*
		For >500 To 1,000, Deduct		*-13.06*
		For >1,000 To 2,500, Deduct		*-23.50*
		For >2,500 To 5,000, Deduct		*-33.95*
		For >5,000 To 10,000, Deduct		*-44.39*
		For >10,000, Deduct		*-54.84*

02 41 13 13-0038 By Hand, Break-up And Remove Bituminous And Concrete Paving *(02 41 13 13)*

Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles. Work includes breaking into manageable size with jackhammer and hand tools, removal and loading onto a truck or dumpster. For individual work areas where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. Removal depth to include base aggregate. Excludes saw cutting (where required) and disposal. See CSI section 02 41 19 13-0059 for saw cutting.

02 41 13 13-0039	SF	Up To 3" By Hand, Break-up And Remove Bituminous Paving	4.41
02 41 13 13-0040	SF	>3" To 6" By Hand, Break-up And Remove Bituminous Paving	5.80
02 41 13 13-0041	SF	>6" To 9" By Hand, Break-up And Remove Bituminous Paving	7.54
02 41 13 13-0042	SF	Up To 3" By Hand, Break-up And Remove Concrete Paving	5.51
02 41 13 13-0043	SF	>3" To 6" By Hand, Break-up And Remove Concrete Paving	7.61
02 41 13 13-0044	SF	>6" To 9" By Hand, Break-up And Remove Concrete Paving	9.75
02 41 13 13-0045	SF	Up To 3" By Hand, Break-up And Remove Welded Wire Reinforced Concrete Paving	7.72
02 41 13 13-0046	SF	>3" To 6" By Hand, Break-up And Remove Welded Wire Reinforced Concrete Paving	10.65
02 41 13 13-0047	SF	>6" To 9" By Hand, Break-up And Remove Welded Wire Reinforced Concrete Paving	13.64

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

02 41 13 13-0048 Grind Concrete *(02 41 13 13)*

02 41 13 13-0049 EA Grind Existing Sidewalks, Up To 1/2" Depth, To Remove Ridges (Tripping Hazard) 218.79
Note: For each location up to 5' wide, feather up to 12" each direction.

For >1/2" To 1" Depth Of Grinding, Add *32.82*
For >1" To 1-1/2" Depth Of Grinding, Add *54.70*
For Up To 5, Add *43.76*
For >5 To 10, Add *21.88*
For >25 To 50, Deduct *-21.88*
For >50 To 250, Deduct *-32.82*
For >250, Deduct *-43.76*
For Sidewalks >5', Add *21.88*
For Up To 12" Additional Feathering Per Side, Add *21.88*

02 41 13 15 Hydro Demolition *(02 41 13)*

02 41 13 15-0001 Hydro Demolition Of Concrete Pavement *(02 41 13 15)*
Note: Includes removal but excludes disposal of concrete.

02 41 13 15-0002 SF Up To 2" Depth, Hydro Demolition, Using 40,000 PSI Water Jet 8.42
02 41 13 15-0003 SF >2" To 4" Depth, Hydro Demolition, Using 40,000 PSI Water Jet 10.54
02 41 13 15-0004 SF >4" To 6" Depth, Hydro Demolition, Using 40,000 PSI Water Jet 14.10
02 41 13 15-0005 SF >6" To 8" Depth, Hydro Demolition, Using 40,000 PSI Water Jet 28.05

02 41 13 43 Selective Site Demolition *(02 41 13)*

02 41 13 43-0001 Antenna Tower Removal *(02 41 13 43)*

02 41 13 43-0002 EA Demolition And Removal Of 100' Guy Tower And Related Guy Lines (Per quotation #104856-2) 24,850.00
Note: Includes take down of tower, disassemble/cut to fit onto trucks, haul away and disposal.

02 41 13 43-0003 EA Preparation For Demolition And Removal Of 100' Guy Tower (Per quotation #104856-1) 9,740.00
Note: Includes notify neighbors and post signage of work prior to start, stageing dumpsters, rigging safety lines on tower, un-torque corroded or frozen bolts, release tension from 8 of the 16 lower guy cables and turnbuckles.

02 41 16 Structure Demolition *(02 41)*

02 41 16 13 Building Demolition *(02 41 16)*

02 41 16 13-0001 Building Interior Demolition *(02 41 16 13)*
Note: Gutted and placed in truck or dumpsters. Based on overall floor area square foot or Gross Square Foot (GSF) including flooring under interior demolished walls. Includes all soft stripping of materials (doors and frames, non-load bearing walls, carpet, moldings, drywall, tile, ceiling, ductwork, piping, light fixtures, etc.), accessible mechanical, electrical, plumbing, overhead sprinkler, fire protection and similar systems. Excludes lead, asbestos or other contaminates or load bearing walls, mechanical, plumbing or electrical equipment such as furnaces, water heaters, plumbing fixtures, sump pumps, switchgear or panel boards. Excludes hauling, dump fees, recycling charges, and/or salvage value.

02 41 16 13-0002 GSF Residential Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck 8.47
02 41 16 13-0003 GSF Up To 2,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck 12.81
02 41 16 13-0004 GSF >2,000 To 10,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck 10.48
02 41 16 13-0005 GSF >10,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck 9.31

02 41 16 13-0006 Commercial And Residential Structures Demolition *(02 41 16 13)*
Note: Complete demolition of structures. Includes site and building safety preparation, signage, dust control, scattered debris and other site clean-up, demolition equipment, and repair of any damaged adjacent property. Excludes (if required) utility disconnects and capping, underground or above ground storage tank removal, adjacent property protection, adjacent property cleanup, adjacent property work, site paving (asphalt or concrete), recycling fees, gutting/soft stripping (selective removal of materials for reuse) of building, site security, hazardous material abatement (including lead, asbestos, and PCBs), surveys, clearing and grubbing of site, cranes, traffic control, elevator removal, major mechanical equipment such as boilers, chillers, cooling towers, Etc., excavation or backfill, foundations, basement floor, slab-on grade, temporary fencing (installation and removal), hauling, disposal and dump fees for all debris (site and building), earthwork and erosion control. Pricing is by Hundred Cubic Foot (CCF) of complete building volume being demolished. For computing building volume, height is computed at actual floor-to-floor dimensions with attic and basement each computed at half-height, width and length are actual dimensions. Excludes salvage value.

02 41 16 13-0007 Steel Framed Building Demolition *(02 41 16 13-0006)*
Note: Includes masonry partitions and concrete decks.

02 41 16 13-0008 CCF By Pneumatic Tools/Hand, Steel Framed Building Demolition 78.22

For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct *-5.87*
For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct *-11.73*
For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct *-17.60*
For Up To 500, Add *23.47*
For >500 To 1,000, Add *15.64*
For >1,000 To 2,000, Add *7.82*
For Volume Of Area Within 15' To An Adjacent Building, Add *25.81*
For No Interior Partitions, Deduct *-19.56*

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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 16 13-0009	CCF	By Machine, Steel Framed Building Demolition		48.78
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct		*-3.66*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct		*-7.32*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct		*-10.98*
		For Up To 500, Add		*14.63*
		For >500 To 1,000, Add		*9.76*
		For >1,000 To 2,000, Add		*4.88*
		For Work >3 Stories To 6 Stories (Exclude Volume Below), Add		*7.32*
		For Work >6 Stories To 10 Stories (Exclude Volume Below), Add		*12.20*
		For Work >10 Stories To 15 Stories (Exclude Volume Below), Add		*17.07*
		For Volume Of Area Within 15' To An Adjacent Building, Add		*16.10*
		For No Interior Partitions, Deduct		*-12.20*

02 41 16 13-0010 Reinforced Concrete Building Demolition *(02 41 16 13-0006)*

02 41 16 13-0011	CCF	By Pneumatic Tools/Hand, Reinforced Concrete Building Demolition		98.16
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct		*-7.36*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct		*-14.72*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct		*-22.09*
		For Up To 500, Add		*29.45*
		For >500 To 1,000, Add		*19.63*
		For >1,000 To 2,000, Add		*9.82*
		For Volume Of Area Within 15' To An Adjacent Building, Add		*32.39*
		For No Interior Partitions, Deduct		*-24.54*
02 41 16 13-0012	CCF	By Machine, Reinforced Concrete Building Demolition		64.41
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct		*-4.83*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct		*-9.66*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct		*-14.49*
		For Up To 500, Add		*19.32*
		For >500 To 1,000, Add		*12.88*
		For >1,000 To 2,000, Add		*6.44*
		For Work >3 Stories To 6 Stories (Exclude Volume Below), Add		*9.66*
		For Work >6 Stories To 10 Stories (Exclude Volume Below), Add		*16.10*
		For Work >10 Stories To 15 Stories (Exclude Volume Below), Add		*22.54*
		For Volume Of Area Within 15' To An Adjacent Building, Add		*21.26*
		For No Interior Partitions, Deduct		*-16.10*

02 41 16 13-0013 Reinforced Block Masonry Building Demolition *(02 41 16 13-0006)*

02 41 16 13-0014	CCF	By Pneumatic Tools/Hand, Reinforced Block Masonry Building Demolition		83.56
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct		*-6.27*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct		*-12.53*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct		*-18.80*
		For Up To 500, Add		*25.07*
		For >500 To 1,000, Add		*16.71*
		For >1,000 To 2,000, Add		*8.36*
		For Volume Of Area Within 15' To An Adjacent Building, Add		*27.57*
		For No Interior Partitions, Deduct		*-20.89*
02 41 16 13-0015	CCF	By Machine, Reinforced Block Masonry Building Demolition		54.08
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct		*-4.06*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct		*-8.11*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct		*-12.17*
		For Up To 500, Add		*16.22*
		For >500 To 1,000, Add		*10.82*
		For >1,000 To 2,000, Add		*5.41*
		For Work >3 Stories To 6 Stories (Exclude Volume Below), Add		*8.11*
		For Work >6 Stories To 10 Stories (Exclude Volume Below), Add		*13.52*
		For Work >10 Stories To 15 Stories (Exclude Volume Below), Add		*18.93*
		For Volume Of Area Within 15' To An Adjacent Building, Add		*17.85*
		For No Interior Partitions, Deduct		*-13.52*

02 41 16 13-0016 Masonry Construction Building Demolition *(02 41 16 13-0006)*

02 41 16 13-0017	CCF	By Pneumatic Tools/Hand, Masonry Construction Building Demolition		68.98
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct		*-5.17*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct		*-10.35*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct		*-15.52*
		For Up To 500, Add		*20.69*
		For >500 To 1,000, Add		*13.80*
		For >1,000 To 2,000, Add		*6.90*
		For Volume Of Area Within 15' To An Adjacent Building, Add		*22.76*
		For No Interior Partitions, Deduct		*-17.25*
02 41 16 13-0018	CCF	By Machine, Masonry Construction Building Demolition		43.77
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct		*-3.28*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct		*-6.57*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct		*-9.85*
		For Up To 500, Add		*13.13*
		For >500 To 1,000, Add		*8.75*
		For >1,000 To 2,000, Add		*4.38*
		For Work >3 Stories To 6 Stories (Exclude Volume Below), Add		*6.57*
		For Work >6 Stories To 10 Stories (Exclude Volume Below), Add		*10.94*
		For Work >10 Stories To 15 Stories (Exclude Volume Below), Add		*15.32*
		For Volume Of Area Within 15' To An Adjacent Building, Add		*14.44*
		For No Interior Partitions, Deduct		*-10.94*

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 16 13-0019		Wood Frame Construction Building Demolition *(02 41 16 13-0006)*		
02 41 16 13-0020	CCF	By Pneumatic Tools/Hand, Wood Frame Construction Building Demolition	59.95	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	*-4.50*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	*-8.99*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	*-13.49*	
		For Up To 500, Add	*17.99*	
		For >500 To 1,000, Add	*11.99*	
		For >1,000 To 2,000, Add	*6.00*	
		For Volume Of Area Within 15' To An Adjacent Building, Add	*19.78*	
		For No Interior Partitions, Deduct	*-14.99*	
02 41 16 13-0021	CCF	By Machine, Wood Frame Construction Building Demolition	37.45	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	*-2.81*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	*-5.62*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	*-8.43*	
		For Up To 500, Add	*11.24*	
		For >500 To 1,000, Add	*7.49*	
		For >1,000 To 2,000, Add	*3.75*	
		For Work >3 Stories To 6 Stories (Exclude Volume Below), Add	*5.62*	
		For Volume Of Area Within 15' To An Adjacent Building, Add	*12.36*	
		For No Interior Partitions, Deduct	*-9.36*	
02 41 16 13-0022		Sorting Of Material Debris For Recycling Prior To Hauling Off *(02 41 16 13-0006)*		
		Note: Per building volume.		
02 41 16 13-0023	CCF	Sorting Of Material Debris For Recycling Prior To Hauling Off	10.94	
		For Up To 500, Add	*3.28*	
		For >500 To 1,000, Add	*2.19*	
		For >1,000 To 2,000, Add	*1.09*	
02 41 16 13-0024		Foundation Demolition *(02 41 16 13)*		
		Note: Excludes earthwork. See CSI section 31 00 00 00-0000 for earthwork.		
02 41 16 13-0025		Concrete Foundation Demolition *(02 41 16 13-0024)*		
02 41 16 13-0026	CF	Non-Reinforced Concrete Foundation Demolition	16.43	
		For >135 To 405, Deduct	*-1.44*	
		For >405 To 810, Deduct	*-2.88*	
		For >810 To 2025, Deduct	*-4.11*	
		For >2025, Deduct	*-6.57*	
02 41 16 13-0027	CF	Reinforced Concrete Foundation Demolition	19.72	
		For >135 To 405, Deduct	*-1.73*	
		For >405 To 810, Deduct	*-3.45*	
		For >810 To 2025, Deduct	*-4.93*	
		For >2025, Deduct	*-7.89*	
02 41 16 13-0028		Concrete Foundation Wall Demolition *(02 41 16 13-0024)*		
02 41 16 13-0029	SF	4" Thick Non-Reinforced Concrete Foundation Wall Demolition	7.04	
		For >500 To 2,000, Deduct	*-0.53*	
		For >2,000 To 6,000, Deduct	*-1.41*	
		For >6,000 To 8,000, Deduct	*-2.46*	
		For >8,000, Deduct	*-3.87*	
02 41 16 13-0030	SF	6" Thick Non-Reinforced Concrete Foundation Wall Demolition	9.39	
		For >500 To 2,000, Deduct	*-0.70*	
		For >2,000 To 6,000, Deduct	*-1.88*	
		For >6,000 To 8,000, Deduct	*-3.29*	
		For >8,000, Deduct	*-5.16*	
02 41 16 13-0031	SF	8" Thick Non-Reinforced Concrete Foundation Wall Demolition	11.74	
		For >500 To 2,000, Deduct	*-0.88*	
		For >2,000 To 6,000, Deduct	*-2.35*	
		For >6,000 To 8,000, Deduct	*-4.11*	
		For >8,000, Deduct	*-6.46*	
02 41 16 13-0032	SF	10" Thick Non-Reinforced Concrete Foundation Wall Demolition	14.09	
		For >500 To 2,000, Deduct	*-1.06*	
		For >2,000 To 6,000, Deduct	*-2.82*	
		For >6,000 To 8,000, Deduct	*-4.93*	
		For >8,000, Deduct	*-7.75*	
02 41 16 13-0033	SF	12" Thick Non-Reinforced Concrete Foundation Wall Demolition	16.43	
		For >500 To 2,000, Deduct	*-1.23*	
		For >2,000 To 6,000, Deduct	*-3.29*	
		For >6,000 To 8,000, Deduct	*-5.75*	
		For >8,000, Deduct	*-9.04*	
02 41 16 13-0034	SF	16" Thick Non-Reinforced Concrete Foundation Wall Demolition	18.78	
		For >500 To 2,000, Deduct	*-1.41*	
		For >2,000 To 6,000, Deduct	*-3.76*	
		For >6,000 To 8,000, Deduct	*-6.57*	
		For >8,000, Deduct	*-10.33*	
02 41 16 13-0035	SF	4" Thick Reinforced Concrete Foundation Wall Demolition	8.45	
		For >500 To 2,000, Deduct	*-0.63*	
		For >2,000 To 6,000, Deduct	*-1.69*	
		For >6,000 To 8,000, Deduct	*-2.96*	
		For >8,000, Deduct	*-4.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 16 13-0036	SF	6" Thick Reinforced Concrete Foundation Wall Demolition	11.26	
		For >500 To 2,000, Deduct	*-0.84*	
		For >2,000 To 6,000, Deduct	*-2.25*	
		For >6,000 To 8,000, Deduct	*-3.94*	
		For >8,000, Deduct	*-6.19*	
02 41 16 13-0037	SF	8" Thick Reinforced Concrete Foundation Wall Demolition	14.09	
		For >500 To 2,000, Deduct	*-1.06*	
		For >2,000 To 6,000, Deduct	*-2.82*	
		For >6,000 To 8,000, Deduct	*-4.93*	
		For >8,000, Deduct	*-7.75*	
02 41 16 13-0038	SF	10" Thick Reinforced Concrete Foundation Wall Demolition	16.67	
		For >500 To 2,000, Deduct	*-1.25*	
		For >2,000 To 6,000, Deduct	*-3.33*	
		For >6,000 To 8,000, Deduct	*-5.83*	
		For >8,000, Deduct	*-9.17*	
02 41 16 13-0039	SF	12" Thick Reinforced Concrete Foundation Wall Demolition	19.72	
		For >500 To 2,000, Deduct	*-1.48*	
		For >2,000 To 6,000, Deduct	*-3.94*	
		For >6,000 To 8,000, Deduct	*-6.90*	
		For >8,000, Deduct	*-10.85*	
02 41 16 13-0040	SF	16" Thick Reinforced Concrete Foundation Wall Demolition	22.54	
		For >500 To 2,000, Deduct	*-1.69*	
		For >2,000 To 6,000, Deduct	*-4.51*	
		For >6,000 To 8,000, Deduct	*-7.89*	
		For >8,000, Deduct	*-12.40*	

02 41 16 13-0041 Concrete Block Foundation Wall Demolition *(02 41 16 13-0024)*

02 41 16 13-0042	SF	4" Thick Non-Reinforced Concrete Block Foundation Wall Demolition	5.17	
		For >500 To 2,000, Deduct	*-0.39*	
		For >2,000 To 6,000, Deduct	*-1.03*	
		For >6,000 To 8,000, Deduct	*-1.81*	
		For >8,000, Deduct	*-2.84*	
02 41 16 13-0043	SF	6" Thick Non-Reinforced Concrete Block Foundation Wall Demolition	5.52	
		For >500 To 2,000, Deduct	*-0.41*	
		For >2,000 To 6,000, Deduct	*-1.10*	
		For >6,000 To 8,000, Deduct	*-1.93*	
		For >8,000, Deduct	*-3.04*	
02 41 16 13-0044	SF	8" Thick Non-Reinforced Concrete Block Foundation Wall Demolition	6.23	
		For >500 To 2,000, Deduct	*-0.47*	
		For >2,000 To 6,000, Deduct	*-1.25*	
		For >6,000 To 8,000, Deduct	*-2.18*	
		For >8,000, Deduct	*-3.43*	
02 41 16 13-0045	SF	10" Thick Non-Reinforced Concrete Block Foundation Wall Demolition	7.16	
		For >500 To 2,000, Deduct	*-0.54*	
		For >2,000 To 6,000, Deduct	*-1.43*	
		For >6,000 To 8,000, Deduct	*-2.51*	
		For >8,000, Deduct	*-3.94*	
02 41 16 13-0046	SF	12" Thick Non-Reinforced Concrete Block Foundation Wall Demolition	7.99	
		For >500 To 2,000, Deduct	*-0.60*	
		For >2,000 To 6,000, Deduct	*-1.60*	
		For >6,000 To 8,000, Deduct	*-2.80*	
		For >8,000, Deduct	*-4.39*	
02 41 16 13-0047	SF	16" Thick Non-Reinforced Concrete Block Foundation Wall Demolition	9.98	
		For >500 To 2,000, Deduct	*-0.75*	
		For >2,000 To 6,000, Deduct	*-2.00*	
		For >6,000 To 8,000, Deduct	*-3.49*	
		For >8,000, Deduct	*-5.49*	
02 41 16 13-0048	SF	4" Thick Reinforced Concrete Block Foundation Wall Demolition	6.19	
		For >500 To 2,000, Deduct	*-0.46*	
		For >2,000 To 6,000, Deduct	*-1.24*	
		For >6,000 To 8,000, Deduct	*-2.17*	
		For >8,000, Deduct	*-3.40*	
02 41 16 13-0049	SF	6" Thick Reinforced Concrete Block Foundation Wall Demolition	6.62	
		For >500 To 2,000, Deduct	*-0.50*	
		For >2,000 To 6,000, Deduct	*-1.32*	
		For >6,000 To 8,000, Deduct	*-2.32*	
		For >8,000, Deduct	*-3.64*	
02 41 16 13-0050	SF	8" Thick Reinforced Concrete Block Foundation Wall Demolition	7.47	
		For >500 To 2,000, Deduct	*-0.56*	
		For >2,000 To 6,000, Deduct	*-1.49*	
		For >6,000 To 8,000, Deduct	*-2.61*	
		For >8,000, Deduct	*-4.11*	
02 41 16 13-0051	SF	10" Thick Reinforced Concrete Block Foundation Wall Demolition	8.59	
		For >500 To 2,000, Deduct	*-0.64*	
		For >2,000 To 6,000, Deduct	*-1.72*	
		For >6,000 To 8,000, Deduct	*-3.01*	
		For >8,000, Deduct	*-4.72*	
02 41 16 13-0052	SF	12" Thick Reinforced Concrete Block Foundation Wall Demolition	9.58	
		For >500 To 2,000, Deduct	*-0.72*	
		For >2,000 To 6,000, Deduct	*-1.92*	
		For >6,000 To 8,000, Deduct	*-3.35*	
		For >8,000, Deduct	*-5.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 16 13-0053	SF	16" Thick Reinforced Concrete Block Foundation Wall Demolition		11.97
		For >500 To 2,000, Deduct		*-0.90*
		For >2,000 To 6,000, Deduct		*-2.39*
		For >6,000 To 8,000, Deduct		*-4.19*
		For >8,000, Deduct		*-6.58*

02 41 16 13-0054 Brick Foundation Wall Demolition *(02 41 16 13-0024)*

02 41 16 13-0055	SF	4" Thick Brick Foundation Wall Demolition		5.17
		For >500 To 2,000, Deduct		*-0.39*
		For >2,000 To 6,000, Deduct		*-1.03*
		For >6,000 To 8,000, Deduct		*-1.81*
		For >8,000, Deduct		*-2.84*
02 41 16 13-0056	SF	6" Thick Brick Foundation Wall Demolition		5.52
		For >500 To 2,000, Deduct		*-0.41*
		For >2,000 To 6,000, Deduct		*-1.10*
		For >6,000 To 8,000, Deduct		*-1.93*
		For >8,000, Deduct		*-3.04*
02 41 16 13-0057	SF	8" Thick Brick Foundation Wall Demolition		6.23
		For >500 To 2,000, Deduct		*-0.47*
		For >2,000 To 6,000, Deduct		*-1.25*
		For >6,000 To 8,000, Deduct		*-2.18*
		For >8,000, Deduct		*-3.43*
02 41 16 13-0058	SF	10" Thick Brick Foundation Wall Demolition		7.16
		For >500 To 2,000, Deduct		*-0.54*
		For >2,000 To 6,000, Deduct		*-1.43*
		For >6,000 To 8,000, Deduct		*-2.51*
		For >8,000, Deduct		*-3.94*
02 41 16 13-0059	SF	12" Thick Brick Foundation Wall Demolition		7.99
		For >500 To 2,000, Deduct		*-0.60*
		For >2,000 To 6,000, Deduct		*-1.60*
		For >6,000 To 8,000, Deduct		*-2.80*
		For >8,000, Deduct		*-4.39*
02 41 16 13-0060	SF	16" Thick Brick Foundation Wall Demolition		9.98
		For >500 To 2,000, Deduct		*-0.75*
		For >2,000 To 6,000, Deduct		*-2.00*
		For >6,000 To 8,000, Deduct		*-3.49*
		For >8,000, Deduct		*-5.49*

02 41 16 13-0061 Stone Foundation Demolition *(02 41 16 13-0024)*

02 41 16 13-0062	CF	Stone Footing Or Foundation Wall Demolition		16.43
		For >135 To 405, Deduct		*-1.44*
		For >405 To 810, Deduct		*-2.88*
		For >810 To 2025, Deduct		*-4.11*
		For >2025, Deduct		*-6.57*

02 41 16 13-0063 Other Foundation Demolition *(02 41 16 13-0024)*

02 41 16 13-0064	CF	Concrete Footing For Fence, Gate Or Playground Equipment Post, Etc. Demolition Note: Includes excavation.		16.94
		For >135 To 405, Deduct		*-1.48*
		For >405 To 810, Deduct		*-2.96*
		For >810 To 2025, Deduct		*-4.24*
		For >2025, Deduct		*-6.78*

02 41 19 Selective Demolition *(02 41)*

02 41 19 13 Selective Building Demolition *(02 41 19)*

02 41 19 13-0001 Exterior Masonry Removal *(02 41 19 13)*

02 41 19 13-0002 Masonry Columns Removal (Interior And Exterior) *(02 41 19 13-0001)*

02 41 19 13-0003	VLF	8" x 8" Masonry Column Removal		16.71
02 41 19 13-0004	VLF	10" x 10" Masonry Column Removal		26.11
02 41 19 13-0005	VLF	12" x 12" Masonry Column Removal		33.44
02 41 19 13-0006	VLF	14" x 14" Masonry Column Removal		41.85
02 41 19 13-0007	VLF	16" x 16" Masonry Column Removal		51.42
02 41 19 13-0008	CF	Masonry Column Removal, Per CF Of Masonry Removed; For Other Sizes Over 16" Square		28.87

02 41 19 13-0009 Masonry Chimney Removal *(02 41 19 13-0001)*

02 41 19 13-0010	CF	Up To 3 CF/VLF Chimney Removal, Per CF Of Masonry Removed		33.87
02 41 19 13-0011	CF	>3 To 10 CF/VLF Chimney Removal, Per CF Of Masonry Removed		25.43
02 41 19 13-0012	CF	>10 To 20 CF/VLF Chimney Removal, Per CF Of Masonry Removed		19.46
02 41 19 13-0013	CF	>20 CF/VLF Chimney Removal, Per CF Of Masonry Removed		13.48

02 41 19 13-0014 Remove And Reset Precast, Stone Or Masonry Coping *(02 41 19 13-0001)*

Note: Includes removing, cleaning, and resetting coping with new ties and mortar. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0059 for saw cutting.

02 41 19 13-0015	LF	Up To 8" Wide, Remove And Reset Precast, Stone Or Masonry Coping		20.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0016	LF	>8" To 12" Wide, Remove And Reset Precast, Stone Or Masonry Coping	30.96	
02 41 19 13-0017	LF	>12" To 24" Wide, Remove And Reset Precast, Stone Or Masonry Coping	59.09	

02 41 19 13-0018 Facade Removal *(02 41 19 13-0001)*

Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0059 for saw cutting.

02 41 19 13-0019	SF	Stone Or Brick Veneer Facade Removal	6.36	
		For Cleaning and Storage For Reuse, Add		*9.54*

02 41 19 13-0020 Exterior Masonry Removal *(02 41 19 13-0001)*

Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Salvage modifier includes removing mortar, scraping, cleaning, placement on pallets and storage on site. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0059 for saw cutting.

02 41 19 13-0021	SF	Demolish 4" Thick Non-Reinforced Concrete Block Exterior Wall	5.59	
02 41 19 13-0022	SF	Demolish 6" Thick Non-Reinforced Concrete Block Exterior Wall	6.31	
02 41 19 13-0023	SF	Demolish 8" Thick Non-Reinforced Concrete Block Exterior Wall	7.63	
02 41 19 13-0024	SF	Demolish 10" Thick Non-Reinforced Concrete Block Exterior Wall	8.34	
02 41 19 13-0025	SF	Demolish 12" Thick Non-Reinforced Concrete Block Exterior Wall	9.16	
02 41 19 13-0026	SF	Demolish 16" Thick Non-Reinforced Concrete Block Exterior Wall	11.45	
02 41 19 13-0027	SF	Demolish 4" Thick Reinforced Concrete Block Exterior Wall	6.61	
02 41 19 13-0028	SF	Demolish 6" Thick Reinforced Concrete Block Exterior Wall	7.57	
02 41 19 13-0029	SF	Demolish 8" Thick Reinforced Concrete Block Exterior Wall	9.16	
02 41 19 13-0030	SF	Demolish 10" Thick Reinforced Concrete Block Exterior Wall	10.01	
02 41 19 13-0031	SF	Demolish 12" Thick Reinforced Concrete Block Exterior Wall	10.98	
02 41 19 13-0032	SF	Demolish 16" Thick Reinforced Concrete Block Exterior Wall	13.75	
02 41 19 13-0033	SF	Demolish 4" Thick Brick Exterior Wall	5.59	
		For Cleaning and Storage For Reuse, Add		*8.39*
02 41 19 13-0034	SF	Demolish 6" Thick Brick Exterior Wall	6.31	
		For Cleaning and Storage For Reuse, Add		*9.47*
02 41 19 13-0035	SF	Demolish 8" Thick Brick Exterior Wall	7.63	
		For Cleaning and Storage For Reuse, Add		*11.45*
02 41 19 13-0036	SF	Demolish 10" Thick Brick Exterior Wall	8.34	
		For Cleaning and Storage For Reuse, Add		*12.51*
02 41 19 13-0037	SF	Demolish 12" Thick Brick Exterior Wall	9.16	
		For Cleaning and Storage For Reuse, Add		*13.74*
02 41 19 13-0038	SF	Demolish 16" Thick Brick Exterior Wall	11.45	
		For Cleaning and Storage For Reuse, Add		*17.18*
02 41 19 13-0039	CF	Exterior Brick, Concrete Block Or Composite Removal	16.28	
		For Cleaning and Storage For Reuse, Add		*24.42*

02 41 19 13-0040 Lintel Removal *(02 41 19 13-0001)*

Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0059 for saw cutting.

02 41 19 13-0041	LF	Demolish Steel Lintel	12.86	
02 41 19 13-0042	LF	Demolish Concrete Or Stone Lintel	17.15	
02 41 19 13-0043	LF	Demolish Steel Shelf Angle	13.57	

02 41 19 13-0044 Reinstall Lintel *(02 41 19 13-0001)*

Note: Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0059 for saw cutting.

02 41 19 13-0045	LF	Clean, Prime And Paint Steel Shelf Angle Or Lintel	7.39	
02 41 19 13-0046	LF	Reinstall Existing Concrete Or Stone Lintel	17.15	
02 41 19 13-0047	LF	Reinstall Existing Steel Shelf Angle Note: Includes fasteners.	48.39	
02 41 19 13-0048	LF	Reinstall Existing Steel Lintel	19.05	
02 41 19 13-0049	LF	Removal And Replacement Of Steel Shelf Angle Over Window Openings At Cavity Walls	82.48	
02 41 19 13-0050	LF	Removal And Replacement Of Steel Lintel Over Window Openings	151.44	

02 41 19 13-0051 Exterior Concrete Wall Removal *(02 41 19 13)*

02 41 19 13-0052	SF	Demolish 4" Thick Reinforced Concrete Exterior Wall	7.31	
02 41 19 13-0053	SF	Demolish 6" Thick Reinforced Concrete Exterior Wall	13.27	
02 41 19 13-0054	SF	Demolish 8" Thick Reinforced Concrete Exterior Wall	16.67	
02 41 19 13-0055	SF	Demolish 10" Thick Reinforced Concrete Exterior Wall	19.66	
02 41 19 13-0056	SF	Demolish 12" Thick Reinforced Concrete Exterior Wall	23.24	

02 41 19 13-0057 Elevated Concrete Removal *(02 41 19 13)*

02 41 19 13-0058	CF	Elevated Concrete Beam/Slab/Steps Removal, Reinforced	14.23	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0059		**Saw Cutting** *(02 41 19 13)* Note: Includes blade wear, water, taping off area, layout, clean-up and mist spray with wet vacuuming for dust control where necessary. For projects where the total saw cutting charge is less than the minimum charge, use task "Saw Cut Minimum Charge" exclusively. Task "Saw Cut Minimum Charge" should not be used in conjunction with any other tasks in this section.		
02 41 19 13-0060	EA	Saw Cut Minimum Charge Note: For projects where the total saw cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	1,168.69	
02 41 19 13-0061	LF	Bituminous Paving Up To 4" Depth, Saw Cut	2.59	
		For Each Additional Pass (Depth To 3"), Add	*0.99*	
		For >250, Deduct	*-0.24*	
02 41 19 13-0062	LF	Brick Masonry Up To 4" Depth, Saw Cut	9.56	
		For Each Additional Pass (Depth To 3"), Add	*3.77*	
		For >250, Deduct	*-0.94*	
02 41 19 13-0063	LF	Concrete Block Up To 4" Depth, Saw Cut	8.65	
		For Each Additional Pass (Depth To 3"), Add	*3.40*	
		For >250, Deduct	*-0.85*	
02 41 19 13-0064	LF	Non-Reinforced Concrete Slab Or Paving Up To 4" Depth, Saw Cut	3.00	
		For Each Additional Pass (Depth To 3"), Add	*1.14*	
		For >250, Deduct	*-0.28*	
02 41 19 13-0065	LF	Welded Wire Reinforced Concrete Slab Up To 4" Depth, Saw Cut	3.94	
		For Each Additional Pass (Depth To 3"), Add	*1.50*	
		For >250, Deduct	*-0.37*	
02 41 19 13-0066	LF	Rod Reinforced Concrete Slab Up To 4" Depth, Saw Cut	6.44	
		For Each Additional Pass (Depth To 3"), Add	*2.50*	
		For >250, Deduct	*-0.62*	
02 41 19 13-0067	LF	Plain Concrete Walls Up To 4" Depth, Saw Cut	12.21	
		For Each Additional Pass (Depth To 3"), Add	*4.82*	
		For >250, Deduct	*-1.20*	
02 41 19 13-0068	LF	Saw Cut Rod Reinforced Concrete Walls Up To 4" Depth	16.38	
		For Each Additional Pass (Depth To 3"), Add	*6.47*	
		For >250, Deduct	*-1.61*	
02 41 19 13-0069	LF	Concrete And Asphalt Up To 4" Depth, Saw Cut In Streets	3.27	
		For Each Additional Pass (Depth To 3"), Add	*1.18*	
		For >250, Deduct	*-0.29*	
02 41 19 13-0070	LF	Igneous Stone Pavements Up To 4" Depth, Saw Cut	8.69	
		For Each Additional Pass (Depth To 3"), Add	*3.41*	
		For >250, Deduct	*-0.85*	
02 41 19 13-0071	LF	Sedimentary Stone Pavements Up To 4" Depth, Saw Cut	8.69	
		For Each Additional Pass (Depth To 3"), Add	*3.41*	
		For >250, Deduct	*-0.85*	
02 41 19 13-0072	LF	Metamorphic Stone Pavements Up To 4" Depth, Saw Cut	8.69	
		For Each Additional Pass (Depth To 3"), Add	*3.41*	
		For >250, Deduct	*-0.85*	
02 41 19 13-0073	LF	Terrazzo Stone Pavements Up To 4" Depth, Saw Cut	8.69	
		For Each Additional Pass (Depth To 3"), Add	*3.41*	
		For >250, Deduct	*-0.85*	
02 41 19 13-0074		**Torch Cutting** *(02 41 19 13)* Note: Includes grinding edge		
02 41 19 13-0075	LF	Up To 1/2", Torch Cut Steel Plate	3.14	
02 41 19 13-0076	LF	>1/2" To 1" Thick, Torch Cut Steel Plate	6.29	
02 41 19 13-0077	LF	>1" To 1-1/2" Thick, Torch Cut Steel Plate	9.43	
02 41 19 13-0078	LF	>1-1/2" To 2" Thick, Torch Cut Steel Plate	12.58	
02 41 19 13-0079	LF	>2" To 2-1/2" Thick, Torch Cut Steel Plate	15.73	
02 41 19 13-0080	LF	>2-1/2" To 3" Thick, Torch Cut Steel Plate	18.87	
02 41 19 13-0081	EA	Torch Cutting Minimum Charge Note: For projects where the total torch cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	1,035.75	
02 41 19 13-0082		**Drilling In Existing Materials** *(02 41 19 13)* Note: Includes drill bit wear, water, layout, set-up and clean-up.		
02 41 19 13-0083		**Concrete Core Drilling** *(02 41 19 13-0082)*		
02 41 19 13-0084		**Up To 4" Thick Concrete Core Drilling** *(02 41 19 13-0083)*		
02 41 19 13-0085	EA	Drill 1" Diameter Core In Up To 4" Concrete	46.21	
		For Horizontal Cores, Add	*9.14*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*18.28*	
02 41 19 13-0086	EA	Drill 1-1/2" Diameter Core In Up To 4" Concrete	51.28	
		For Horizontal Cores, Add	*10.15*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*20.31*	
02 41 19 13-0087	EA	Drill 2" Diameter Core In Up To 4" Concrete	56.93	
		For Horizontal Cores, Add	*11.28*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*22.57*	
02 41 19 13-0088	EA	Drill 3" Diameter Core In Up To 4" Concrete	81.29	
		For Horizontal Cores, Add	*16.12*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*32.24*	
02 41 19 13-0089	EA	Drill 4" Diameter Core In Up To 4" Concrete	108.93	
		For Horizontal Cores, Add	*21.60*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*43.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0090	EA	Drill 6" Diameter Core In Up To 4" Concrete	122.07	
		For Horizontal Cores, Add	*24.18*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*48.36*	
02 41 19 13-0091	EA	Drill 8" Diameter Core In Up To 4" Concrete	195.05	
		For Horizontal Cores, Add	*38.69*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*77.38*	
02 41 19 13-0092	EA	Drill 10" Diameter Core In Up To 4" Concrete	243.98	
		For Horizontal Cores, Add	*48.36*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*96.72*	
02 41 19 13-0093	EA	Drill 12" Diameter Core In Up To 4" Concrete	284.73	
		For Horizontal Cores, Add	*56.42*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*112.84*	
02 41 19 13-0094	EA	Drill 14" Diameter Core In Up To 4" Concrete	325.49	
		For Horizontal Cores, Add	*64.47*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*128.95*	
02 41 19 13-0095	EA	Drill 18" Diameter Core In Up To 4" Concrete	366.66	
		For Horizontal Cores, Add	*72.53*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*145.06*	

02 41 19 13-0096 >4" To 6" Thick Concrete Core Drilling *(02 41 19 13-0083)*

02 41 19 13-0097	EA	Drill 1" Diameter Core In >4" To 6" Concrete	66.06	
		For Horizontal Cores, Add	*13.05*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*26.11*	
02 41 19 13-0098	EA	Drill 1-1/2" Diameter Core In >4" To 6" Concrete	73.32	
		For Horizontal Cores, Add	*14.51*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*29.01*	
02 41 19 13-0099	EA	Drill 2" Diameter Core In >4" To 6" Concrete	81.37	
		For Horizontal Cores, Add	*16.12*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*32.23*	
02 41 19 13-0100	EA	Drill 3" Diameter Core In >4" To 6" Concrete	97.80	
		For Horizontal Cores, Add	*19.34*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*38.69*	
02 41 19 13-0101	EA	Drill 4" Diameter Core In >4" To 6" Concrete	122.33	
		For Horizontal Cores, Add	*24.18*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*48.36*	
02 41 19 13-0102	EA	Drill 6" Diameter Core In >4" To 6" Concrete	162.98	
		For Horizontal Cores, Add	*32.24*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*64.48*	
02 41 19 13-0103	EA	Drill 8" Diameter Core In >4" To 6" Concrete	244.22	
		For Horizontal Cores, Add	*48.36*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*96.72*	
02 41 19 13-0104	EA	Drill 10" Diameter Core In >4" To 6" Concrete	285.38	
		For Horizontal Cores, Add	*56.42*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*112.84*	
02 41 19 13-0105	EA	Drill 12" Diameter Core In >4" To 6" Concrete	326.29	
		For Horizontal Cores, Add	*64.47*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*128.95*	
02 41 19 13-0106	EA	Drill 14" Diameter Core In >4" To 6" Concrete	367.41	
		For Horizontal Cores, Add	*72.53*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*145.06*	
02 41 19 13-0107	EA	Drill 18" Diameter Core In >4" To 6" Concrete	409.15	
		For Horizontal Cores, Add	*80.60*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*161.19*	

02 41 19 13-0108 >6" To 8" Thick Concrete Core Drilling *(02 41 19 13-0083)*

02 41 19 13-0109	EA	Drill 1" Diameter Core In >6" To 8" Concrete	72.88	
		For Horizontal Cores, Add	*14.36*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*28.72*	
02 41 19 13-0110	EA	Drill 1-1/2" Diameter Core In >6" To 8" Concrete	80.86	
		For Horizontal Cores, Add	*15.96*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*31.92*	
02 41 19 13-0111	EA	Drill 2" Diameter Core In >6" To 8" Concrete	89.72	
		For Horizontal Cores, Add	*17.73*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*35.46*	
02 41 19 13-0112	EA	Drill 3" Diameter Core In >6" To 8" Concrete	106.25	
		For Horizontal Cores, Add	*20.96*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*41.91*	
02 41 19 13-0113	EA	Drill 4" Diameter Core In >6" To 8" Concrete	138.93	
		For Horizontal Cores, Add	*27.40*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*54.80*	
02 41 19 13-0114	EA	Drill 6" Diameter Core In >6" To 8" Concrete	195.83	
		For Horizontal Cores, Add	*38.69*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*77.38*	
02 41 19 13-0115	EA	Drill 8" Diameter Core In >6" To 8" Concrete	325.62	
		For Horizontal Cores, Add	*64.47*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*128.95*	
02 41 19 13-0116	EA	Drill 10" Diameter Core In >6" To 8" Concrete	367.00	
		For Horizontal Cores, Add	*72.53*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*145.06*	
02 41 19 13-0117	EA	Drill 12" Diameter Core In >6" To 8" Concrete	408.20	
		For Horizontal Cores, Add	*80.60*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*161.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0118	EA	Drill 14" Diameter Core In >6" To 8" Concrete	449.61	
		For Horizontal Cores, Add	*88.64*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*177.28*	
02 41 19 13-0119	EA	Drill 18" Diameter Core In >6" To 8" Concrete	491.94	
		For Horizontal Cores, Add	*96.72*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*193.44*	

02 41 19 13-0120 >8" To 10" Thick Concrete Core Drilling *(02 41 19 13-0083)*

02 41 19 13-0121	EA	Drill 1" Diameter Core In >8" To 10" Concrete	86.22	
		For Horizontal Cores, Add	*16.97*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*33.95*	
02 41 19 13-0122	EA	Drill 1-1/2" Diameter Core In >8" To 10" Concrete	95.65	
		For Horizontal Cores, Add	*18.86*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*37.72*	
02 41 19 13-0123	EA	Drill 2" Diameter Core In >8" To 10" Concrete	106.12	
		For Horizontal Cores, Add	*20.95*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*41.91*	
02 41 19 13-0124	EA	Drill 3" Diameter Core In >8" To 10" Concrete	122.76	
		For Horizontal Cores, Add	*24.18*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*48.36*	
02 41 19 13-0125	EA	Drill 4" Diameter Core In >8" To 10" Concrete	139.43	
		For Horizontal Cores, Add	*27.40*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*54.80*	
02 41 19 13-0126	EA	Drill 6" Diameter Core In >8" To 10" Concrete	196.44	
		For Horizontal Cores, Add	*38.69*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*77.38*	
02 41 19 13-0127	EA	Drill 8" Diameter Core In >8" To 10" Concrete	326.44	
		For Horizontal Cores, Add	*64.47*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*128.95*	
02 41 19 13-0128	EA	Drill 10" Diameter Core In >8" To 10" Concrete	368.09	
		For Horizontal Cores, Add	*72.53*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*145.06*	
02 41 19 13-0129	EA	Drill 12" Diameter Core In >8" To 10" Concrete	409.42	
		For Horizontal Cores, Add	*80.58*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*161.16*	
02 41 19 13-0130	EA	Drill 14" Diameter Core In >8" To 10" Concrete	451.26	
		For Horizontal Cores, Add	*88.64*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*177.28*	
02 41 19 13-0131	EA	Drill 18" Diameter Core In >8" To 10" Concrete	493.98	
		For Horizontal Cores, Add	*96.70*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*193.39*	

02 41 19 13-0132 >10" To 12" Thick Concrete Core Drilling *(02 41 19 13-0083)*

02 41 19 13-0133	EA	Drill 1" Diameter Core In >10" To 12" Concrete	93.03	
		For Horizontal Cores, Add	*18.28*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*36.56*	
02 41 19 13-0134	EA	Drill 1-1/2" Diameter Core In >10" To 12" Concrete	103.19	
		For Horizontal Cores, Add	*20.31*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*40.62*	
02 41 19 13-0135	EA	Drill 2" Diameter Core In >10" To 12" Concrete	114.47	
		For Horizontal Cores, Add	*22.57*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*45.14*	
02 41 19 13-0136	EA	Drill 3" Diameter Core In >10" To 12" Concrete	123.15	
		For Horizontal Cores, Add	*24.18*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*48.36*	
02 41 19 13-0137	EA	Drill 4" Diameter Core In >10" To 12" Concrete	164.12	
		For Horizontal Cores, Add	*32.24*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*64.48*	
02 41 19 13-0138	EA	Drill 6" Diameter Core In >10" To 12" Concrete	213.16	
		For Horizontal Cores, Add	*41.91*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*83.83*	
02 41 19 13-0139	EA	Drill 8" Diameter Core In >10" To 12" Concrete	343.40	
		For Horizontal Cores, Add	*67.70*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*135.40*	
02 41 19 13-0140	EA	Drill 10" Diameter Core In >10" To 12" Concrete	369.17	
		For Horizontal Cores, Add	*72.53*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*145.06*	
02 41 19 13-0141	EA	Drill 12" Diameter Core In >10" To 12" Concrete	426.97	
		For Horizontal Cores, Add	*83.83*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*167.66*	

02 41 19 13-0142 >12" Thick Concrete Core Drilling *(02 41 19 13-0083)*

02 41 19 13-0143	IN	Drill 1" Diameter Core In >12" Concrete	11.32	
		For Horizontal Cores, Add	*2.24*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*4.47*	
02 41 19 13-0144	IN	Drill 1-1/2" Diameter Core In >12" Concrete	12.56	
		For Horizontal Cores, Add	*2.48*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*4.97*	
02 41 19 13-0145	IN	Drill 2" Diameter Core In >12" Concrete	13.93	
		For Horizontal Cores, Add	*2.76*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*5.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0146	IN	Drill 3" Diameter Core In >12" Concrete	15.29	
		For Horizontal Cores, Add	*3.02*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*6.04*	
02 41 19 13-0147	IN	Drill 4" Diameter Core In >12" Concrete	20.38	
		For Horizontal Cores, Add	*4.03*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*8.06*	
02 41 19 13-0148	IN	Drill 6" Diameter Core In >12" Concrete	26.51	
		For Horizontal Cores, Add	*5.24*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*10.48*	
02 41 19 13-0149	IN	Drill 8" Diameter Core In >12" Concrete	42.76	
		For Horizontal Cores, Add	*8.47*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*16.94*	
02 41 19 13-0150	IN	Drill 10" Diameter Core In >12" Concrete	46.06	
		For Horizontal Cores, Add	*9.10*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*18.21*	
02 41 19 13-0151	IN	Drill 12" Diameter Core In >12" Concrete	53.08	
		For Horizontal Cores, Add	*10.49*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*20.97*	

02 41 19 13-0152 Brick/Concrete Block Core Drilling *(02 41 19 13-0082)*

02 41 19 13-0153 Up To 4" Thick Brick/Concrete Block Core Drilling *(02 41 19 13-0152)*

02 41 19 13-0154	EA	Drill 1" Diameter Core In Up To 4" Brick/Concrete Block	37.07	
		For Horizontal Cores, Add	*7.31*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*14.62*	
02 41 19 13-0155	EA	Drill 1-1/2" Diameter Core In Up To 4" Brick/Concrete Block	41.13	
		For Horizontal Cores, Add	*8.12*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*16.25*	
02 41 19 13-0156	EA	Drill 2" Diameter Core In Up To 4" Brick/Concrete Block	45.65	
		For Horizontal Cores, Add	*9.03*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*18.06*	
02 41 19 13-0157	EA	Drill 3" Diameter Core In Up To 4" Brick/Concrete Block	65.16	
		For Horizontal Cores, Add	*12.89*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*25.79*	
02 41 19 13-0158	EA	Drill 4" Diameter Core In Up To 4" Brick/Concrete Block	87.33	
		For Horizontal Cores, Add	*17.28*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*34.56*	
02 41 19 13-0159	EA	Drill 6" Diameter Core In Up To 4" Brick/Concrete Block	97.89	
		For Horizontal Cores, Add	*19.34*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*38.69*	
02 41 19 13-0160	EA	Drill 8" Diameter Core In Up To 4" Brick/Concrete Block	156.36	
		For Horizontal Cores, Add	*30.95*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*61.90*	
02 41 19 13-0161	EA	Drill 10" Diameter Core In Up To 4" Brick/Concrete Block	195.62	
		For Horizontal Cores, Add	*38.69*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*77.37*	
02 41 19 13-0162	EA	Drill 12" Diameter Core In Up To 4" Brick/Concrete Block	228.31	
		For Horizontal Cores, Add	*45.14*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*90.28*	
02 41 19 13-0163	EA	Drill 14" Diameter Core In Up To 4" Brick/Concrete Block	261.02	
		For Horizontal Cores, Add	*51.58*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*103.16*	
02 41 19 13-0164	EA	Drill 18" Diameter Core In Up To 4" Brick/Concrete Block	294.14	
		For Horizontal Cores, Add	*58.03*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*116.05*	

02 41 19 13-0165 >4" To 6" Thick Brick/Concrete Block Core Drilling *(02 41 19 13-0152)*

02 41 19 13-0166	EA	Drill 1" Diameter Core In >4" To 6" Brick/Concrete Block	53.01	
		For Horizontal Cores, Add	*10.44*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*20.89*	
02 41 19 13-0167	EA	Drill 1-1/2" Diameter Core In >4" To 6" Brick/Concrete Block	58.81	
		For Horizontal Cores, Add	*11.60*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*23.21*	
02 41 19 13-0168	EA	Drill 2" Diameter Core In >4" To 6" Brick/Concrete Block	65.25	
		For Horizontal Cores, Add	*12.89*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*25.78*	
02 41 19 13-0169	EA	Drill 3" Diameter Core In >4" To 6" Brick/Concrete Block	78.46	
		For Horizontal Cores, Add	*15.48*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*30.95*	
02 41 19 13-0170	EA	Drill 4" Diameter Core In >4" To 6" Brick/Concrete Block	98.15	
		For Horizontal Cores, Add	*19.34*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*38.69*	
02 41 19 13-0171	EA	Drill 6" Diameter Core In >4" To 6" Brick/Concrete Block	130.74	
		For Horizontal Cores, Add	*25.79*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*51.58*	
02 41 19 13-0172	EA	Drill 8" Diameter Core In >4" To 6" Brick/Concrete Block	195.86	
		For Horizontal Cores, Add	*38.69*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*77.37*	
02 41 19 13-0173	EA	Drill 10" Diameter Core In >4" To 6" Brick/Concrete Block	228.96	
		For Horizontal Cores, Add	*45.14*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*90.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0174	EA	Drill 12" Diameter Core In >4" To 6" Brick/Concrete Block	261.82	
		For Horizontal Cores, Add	*51.58*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*103.16*	
02 41 19 13-0175	EA	Drill 14" Diameter Core In >4" To 6" Brick/Concrete Block	294.89	
		For Horizontal Cores, Add	*58.03*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*116.05*	
02 41 19 13-0176	EA	Drill 18" Diameter Core In >4" To 6" Brick/Concrete Block	328.55	
		For Horizontal Cores, Add	*64.48*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*128.95*	

02 41 19 13-0177 >6" To 8" Thick Brick/Concrete Block Core Drilling *(02 41 19 13-0152)*

02 41 19 13-0178	EA	Drill 1" Diameter Core In >6" To 8" Brick/Concrete Block	58.52	
		For Horizontal Cores, Add	*11.49*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*22.98*	
02 41 19 13-0179	EA	Drill 1-1/2" Diameter Core In >6" To 8" Brick/Concrete Block	64.90	
		For Horizontal Cores, Add	*12.77*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*25.53*	
02 41 19 13-0180	EA	Drill 2" Diameter Core In >6" To 8" Brick/Concrete Block	72.00	
		For Horizontal Cores, Add	*14.19*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*28.37*	
02 41 19 13-0181	EA	Drill 3" Diameter Core In >6" To 8" Brick/Concrete Block	85.29	
		For Horizontal Cores, Add	*16.76*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*33.53*	
02 41 19 13-0182	EA	Drill 4" Diameter Core In >6" To 8" Brick/Concrete Block	111.53	
		For Horizontal Cores, Add	*21.92*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*43.84*	
02 41 19 13-0183	EA	Drill 6" Diameter Core In >6" To 8" Brick/Concrete Block	157.14	
		For Horizontal Cores, Add	*30.95*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*61.90*	
02 41 19 13-0184	EA	Drill 8" Diameter Core In >6" To 8" Brick/Concrete Block	261.15	
		For Horizontal Cores, Add	*51.58*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*103.16*	
02 41 19 13-0185	EA	Drill 10" Diameter Core In >6" To 8" Brick/Concrete Block	294.48	
		For Horizontal Cores, Add	*58.03*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*116.05*	
02 41 19 13-0186	EA	Drill 12" Diameter Core In >6" To 8" Brick/Concrete Block	327.60	
		For Horizontal Cores, Add	*64.48*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*128.95*	
02 41 19 13-0187	EA	Drill 14" Diameter Core In >6" To 8" Brick/Concrete Block	360.97	
		For Horizontal Cores, Add	*70.91*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*141.82*	
02 41 19 13-0188	EA	Drill 18" Diameter Core In >6" To 8" Brick/Concrete Block	395.22	
		For Horizontal Cores, Add	*77.38*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*154.75*	

02 41 19 13-0189 >8" To 10" Thick Brick/Concrete Block Core Drilling *(02 41 19 13-0152)*

02 41 19 13-0190	EA	Drill 1" Diameter Core In >8" To 10" Brick/Concrete Block	69.25	
		For Horizontal Cores, Add	*13.58*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*27.16*	
02 41 19 13-0191	EA	Drill 1-1/2" Diameter Core In >8" To 10" Brick/Concrete Block	76.79	
		For Horizontal Cores, Add	*15.09*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*30.18*	
02 41 19 13-0192	EA	Drill 2" Diameter Core In >8" To 10" Brick/Concrete Block	85.17	
		For Horizontal Cores, Add	*16.76*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*33.53*	
02 41 19 13-0193	EA	Drill 3" Diameter Core In >8" To 10" Brick/Concrete Block	98.58	
		For Horizontal Cores, Add	*19.34*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*38.69*	
02 41 19 13-0194	EA	Drill 4" Diameter Core In >8" To 10" Brick/Concrete Block	112.03	
		For Horizontal Cores, Add	*21.92*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*43.84*	
02 41 19 13-0195	EA	Drill 6" Diameter Core In >8" To 10" Brick/Concrete Block	157.75	
		For Horizontal Cores, Add	*30.95*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*61.90*	
02 41 19 13-0196	EA	Drill 8" Diameter Core In >8" To 10" Brick/Concrete Block	261.97	
		For Horizontal Cores, Add	*51.58*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*103.16*	
02 41 19 13-0197	EA	Drill 10" Diameter Core In >8" To 10" Brick/Concrete Block	295.57	
		For Horizontal Cores, Add	*58.03*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*116.05*	
02 41 19 13-0198	EA	Drill 12" Diameter Core In >8" To 10" Brick/Concrete Block	328.84	
		For Horizontal Cores, Add	*64.46*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*128.93*	
02 41 19 13-0199	EA	Drill 14" Diameter Core In >8" To 10" Brick/Concrete Block	362.62	
		For Horizontal Cores, Add	*70.91*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*141.82*	
02 41 19 13-0200	EA	Drill 18" Diameter Core In >8" To 10" Brick/Concrete Block	397.28	
		For Horizontal Cores, Add	*77.36*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*154.71*	

02 41 19 13-0201 >10" To 12" Thick Brick/Concrete Block Core Drilling *(02 41 19 13-0152)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0202	EA	Drill 1" Diameter Core In >10" To 12" Brick/Concrete Block	74.75	
		For Horizontal Cores, Add	*14.62*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*29.25*	
02 41 19 13-0203	EA	Drill 1-1/2" Diameter Core In >10" To 12" Brick/Concrete Block	82.88	
		For Horizontal Cores, Add	*16.25*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*32.50*	
02 41 19 13-0204	EA	Drill 2" Diameter Core In >10" To 12" Brick/Concrete Block	91.91	
		For Horizontal Cores, Add	*18.06*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*36.11*	
02 41 19 13-0205	EA	Drill 3" Diameter Core In >10" To 12" Brick/Concrete Block	98.97	
		For Horizontal Cores, Add	*19.34*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*38.69*	
02 41 19 13-0206	EA	Drill 4" Diameter Core In >10" To 12" Brick/Concrete Block	131.88	
		For Horizontal Cores, Add	*25.79*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*51.58*	
02 41 19 13-0207	EA	Drill 6" Diameter Core In >10" To 12" Brick/Concrete Block	171.25	
		For Horizontal Cores, Add	*33.53*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*67.06*	
02 41 19 13-0208	EA	Drill 8" Diameter Core In >10" To 12" Brick/Concrete Block	275.69	
		For Horizontal Cores, Add	*54.16*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*108.32*	
02 41 19 13-0209	EA	Drill 10" Diameter Core In >10" To 12" Brick/Concrete Block	296.65	
		For Horizontal Cores, Add	*58.03*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*116.05*	
02 41 19 13-0210	EA	Drill 12" Diameter Core In >10" To 12" Brick/Concrete Block	343.13	
		For Horizontal Cores, Add	*67.06*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*134.12*	

02 41 19 13-0211 >12" Thick Brick/Concrete Block Core Drilling *(02 41 19 13-0152)*

02 41 19 13-0212	IN	Drill 1" Diameter Core In >12" Brick/Concrete Block	9.08	
		For Horizontal Cores, Add	*1.79*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*3.58*	
02 41 19 13-0213	IN	Drill 1-1/2" Diameter Core In >12" Brick/Concrete Block	10.08	
		For Horizontal Cores, Add	*1.99*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*3.98*	
02 41 19 13-0214	IN	Drill 2" Diameter Core In >12" Brick/Concrete Block	11.17	
		For Horizontal Cores, Add	*2.21*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*4.41*	
02 41 19 13-0215	IN	Drill 3" Diameter Core In >12" Brick/Concrete Block	12.27	
		For Horizontal Cores, Add	*2.42*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*4.83*	
02 41 19 13-0216	IN	Drill 4" Diameter Core In >12" Brick/Concrete Block	16.36	
		For Horizontal Cores, Add	*3.22*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*6.45*	
02 41 19 13-0217	IN	Drill 6" Diameter Core In >12" Brick/Concrete Block	21.27	
		For Horizontal Cores, Add	*4.19*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*8.39*	
02 41 19 13-0218	IN	Drill 8" Diameter Core In >12" Brick/Concrete Block	34.29	
		For Horizontal Cores, Add	*6.78*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*13.55*	
02 41 19 13-0219	IN	Drill 10" Diameter Core In >12" Brick/Concrete Block	36.96	
		For Horizontal Cores, Add	*7.28*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*14.57*	
02 41 19 13-0220	IN	Drill 12" Diameter Core In >12" Brick/Concrete Block	42.59	
		For Horizontal Cores, Add	*8.39*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*16.78*	

02 41 19 13-0221 Asphalt Core Drilling *(02 41 19 13-0082)*

02 41 19 13-0222 Up To 2" Thick Asphalt Core Drilling *(02 41 19 13-0221)*

02 41 19 13-0223	EA	Drill 1" Diameter Core In Up To 2" Asphalt	22.17
02 41 19 13-0224	EA	Drill 1-1/2" Diameter Core In Up To 2" Asphalt	27.72
02 41 19 13-0225	EA	Drill 2" Diameter Core In Up To 2" Asphalt	34.65
02 41 19 13-0226	EA	Drill 3" Diameter Core In Up To 2" Asphalt	42.98
02 41 19 13-0227	EA	Drill 4" Diameter Core In Up To 2" Asphalt	54.08
02 41 19 13-0228	EA	Drill 6" Diameter Core In Up To 2" Asphalt	67.96
02 41 19 13-0229	EA	Drill 8" Diameter Core In Up To 2" Asphalt	84.65
02 41 19 13-0230	EA	Drill 10" Diameter Core In Up To 2" Asphalt	105.40
02 41 19 13-0231	EA	Drill 12" Diameter Core In Up To 2" Asphalt	131.73

02 41 19 13-0232 >2" To 3" Thick Asphalt Core Drilling *(02 41 19 13-0221)*

02 41 19 13-0233	EA	Drill 1" Diameter Core In >2" To 3" Asphalt	27.71
02 41 19 13-0234	EA	Drill 1-1/2" Diameter Core In >2" To 3" Asphalt	36.02
02 41 19 13-0235	EA	Drill 2" Diameter Core In >2" To 3" Asphalt	44.33
02 41 19 13-0236	EA	Drill 3" Diameter Core In >2" To 3" Asphalt	55.43
02 41 19 13-0237	EA	Drill 4" Diameter Core In >2" To 3" Asphalt	69.29
02 41 19 13-0238	EA	Drill 6" Diameter Core In >2" To 3" Asphalt	87.32
02 41 19 13-0239	EA	Drill 8" Diameter Core In >2" To 3" Asphalt	108.17
02 41 19 13-0240	EA	Drill 10" Diameter Core In >2" To 3" Asphalt	135.85
02 41 19 13-0241	EA	Drill 12" Diameter Core In >2" To 3" Asphalt	169.08

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0242		**>3" To 4" Thick Asphalt Core Drilling** *(02 41 19 13-0221)*		
02 41 19 13-0243	EA	Drill 1" Diameter Core In >3" To 4" Asphalt	36.03	
02 41 19 13-0244	EA	Drill 1-1/2" Diameter Core In >3" To 4" Asphalt	45.74	
02 41 19 13-0245	EA	Drill 2" Diameter Core In >3" To 4" Asphalt	56.82	
02 41 19 13-0246	EA	Drill 3" Diameter Core In >3" To 4" Asphalt	70.71	
02 41 19 13-0247	EA	Drill 4" Diameter Core In >3" To 4" Asphalt	88.76	
02 41 19 13-0248	EA	Drill 6" Diameter Core In >3" To 4" Asphalt	110.94	
02 41 19 13-0249	EA	Drill 8" Diameter Core In >3" To 4" Asphalt	138.75	
02 41 19 13-0250	EA	Drill 10" Diameter Core In >3" To 4" Asphalt	173.37	
02 41 19 13-0251	EA	Drill 12 Diameter Core In >3" To 4" Asphalt	216.31	
02 41 19 13-0252		**>4" To 6" Thick Asphalt Core Drilling** *(02 41 19 13-0221)*		
02 41 19 13-0253	EA	Drill 1" Diameter Core In >4" To 6" Asphalt	47.15	
02 41 19 13-0254	EA	Drill 1-1/2" Diameter Core In >4" To 6" Asphalt	58.26	
02 41 19 13-0255	EA	Drill 2" Diameter Core In >4" To 6" Asphalt	72.13	
02 41 19 13-0256	EA	Drill 3" Diameter Core In >4" To 6" Asphalt	91.59	
02 41 19 13-0257	EA	Drill 4" Diameter Core In >4" To 6" Asphalt	113.83	
02 41 19 13-0258	EA	Drill 6" Diameter Core In >4" To 6" Asphalt	141.60	
02 41 19 13-0259	EA	Drill 8" Diameter Core In >4" To 6" Asphalt	177.79	
02 41 19 13-0260	EA	Drill 10" Diameter Core In >4" To 6" Asphalt	222.13	
02 41 19 13-0261	EA	Drill 12" Diameter Core In >4" To 6" Asphalt	277.59	
02 41 19 13-0262		**Manhole Core Drilling** *(02 41 19 13-0082)*		
02 41 19 13-0263	EA	Drill 4" Diameter Core In 6" Brick Manhole	242.75	
02 41 19 13-0264	EA	Drill 5" Diameter Core In 6" Brick Manhole	277.43	
02 41 19 13-0265	EA	Drill 6" Diameter Core In 6" Brick Manhole	323.56	
02 41 19 13-0266	EA	Drill 8" Diameter Core In 6" Brick Manhole	485.22	
02 41 19 13-0267	EA	Drill 2" Diameter Core In 8" Concrete Manhole	325.26	
02 41 19 13-0268	EA	Drill 3" Diameter Core In 8" Concrete Manhole	346.35	
02 41 19 13-0269	EA	Drill 4" Diameter Core In 8" Concrete Manhole	381.30	
02 41 19 13-0270	EA	Drill 5" Diameter Core In 8" Concrete Manhole	409.12	
02 41 19 13-0271	EA	Drill 6" Diameter Core In 8" Concrete Manhole	485.21	
02 41 19 13-0272	EA	Drill 8" Diameter Core In 8" Concrete Manhole	693.02	
02 41 19 13-0273	EA	Drill 2" Diameter Core In Fiberglass Manhole	32.27	
02 41 19 13-0274	EA	Drill 3" Diameter Core In Fiberglass Manhole	37.24	
02 41 19 13-0275	EA	Drill 4" Diameter Core In Fiberglass Manhole	40.35	
02 41 19 13-0276	EA	Drill 5" Diameter Core In Fiberglass Manhole	44.03	
02 41 19 13-0277	EA	Drill 6" Diameter Core In Fiberglass Manhole	48.42	
02 41 19 13-0278	EA	Drill 8" Diameter Core In Fiberglass Manhole	53.82	
02 41 19 13-0279		**Drilling In Concrete Per Inch Of Depth** *(02 41 19 13-0082)* Note: Includes layout.		
02 41 19 13-0280	IN	1/4" Diameter Drilling In Concrete Per Inch Of Depth	2.40	
02 41 19 13-0281	IN	5/16" Diameter Drilling In Concrete Per Inch Of Depth	2.54	
02 41 19 13-0282	IN	3/8" Diameter Drilling In Concrete Per Inch Of Depth	2.68	
02 41 19 13-0283	IN	1/2" Diameter Drilling In Concrete Per Inch Of Depth	2.88	
02 41 19 13-0284	IN	5/8" Diameter Drilling In Concrete Per Inch Of Depth	3.06	
02 41 19 13-0285	IN	3/4" Diameter Drilling In Concrete Per Inch Of Depth	3.37	
02 41 19 13-0286	IN	7/8" Diameter Drilling In Concrete Per Inch Of Depth	3.64	
02 41 19 13-0287	IN	1" Diameter Drilling In Concrete Per Inch Of Depth	3.82	
02 41 19 13-0288	IN	1-1/8" Diameter Drilling In Concrete Per Inch Of Depth	4.51	
02 41 19 13-0289	IN	1-1/4" Diameter Drilling In Concrete Per Inch Of Depth	4.23	
02 41 19 13-0290	IN	1-3/8" Diameter Drilling In Concrete Per Inch Of Depth	4.51	
02 41 19 13-0291	IN	1-1/2" Diameter Drilling In Concrete Per Inch Of Depth	4.79	
02 41 19 13-0292	IN	1-3/4" Diameter Drilling In Concrete Per Inch Of Depth	5.31	
02 41 19 13-0293	IN	2" Diameter Drilling In Concrete Per Inch Of Depth	6.19	
02 41 19 13-0294		**Drilling In Brick/Concrete Block Per Inch Of Depth** *(02 41 19 13-0082)* Note: Includes layout.		
02 41 19 13-0295	IN	1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.00	
02 41 19 13-0296	IN	5/16" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.12	
02 41 19 13-0297	IN	3/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.24	
02 41 19 13-0298	IN	1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.40	
02 41 19 13-0299	IN	5/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.55	
02 41 19 13-0300	IN	3/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.81	
02 41 19 13-0301	IN	7/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	3.03	
02 41 19 13-0302	IN	1" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	3.19	
02 41 19 13-0303	IN	1-1/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	3.36	
02 41 19 13-0304	IN	1-1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	3.52	
02 41 19 13-0305	IN	1-3/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	3.76	
02 41 19 13-0306	IN	1-1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	4.00	
02 41 19 13-0307	IN	1-3/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	4.46	
02 41 19 13-0308	IN	2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	5.15	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0309		Drilling In Wood Or Plastic Per Inch Of Depth *(02 41 19 13-0082)* Note: Includes layout.		
02 41 19 13-0310	IN	1/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	0.99	
02 41 19 13-0311	IN	5/16" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.06	
02 41 19 13-0312	IN	3/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.12	
02 41 19 13-0313	IN	1/2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.20	
02 41 19 13-0314	IN	5/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.27	
02 41 19 13-0315	IN	3/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.40	
02 41 19 13-0316	IN	7/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.52	
02 41 19 13-0317	IN	1" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.59	
02 41 19 13-0318	IN	1-1/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.67	
02 41 19 13-0319	IN	1-1/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.75	
02 41 19 13-0320	IN	1-3/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.87	
02 41 19 13-0321	IN	1-1/2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.99	
02 41 19 13-0322	IN	1-3/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	2.22	
02 41 19 13-0323	IN	2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	2.57	
02 41 19 13-0324		Limestone Core Drilling *(02 41 19 13-0082)*		
02 41 19 13-0325		10" To 14" Thick Limestone Core Drilling *(02 41 19 13-0324)*		
02 41 19 13-0326	EA	Drill 1" Diameter Core In 10" To 14" Limestone	69.64	
02 41 19 13-0327	EA	Drill 1-1/2" Diameter Core In 10" To 14" Limestone	83.65	
02 41 19 13-0328	EA	Drill 2" Diameter Core In 10" To 14" Limestone	90.74	
02 41 19 13-0329	EA	Drill 3" Diameter Core In 10" To 14" Limestone	104.96	
02 41 19 13-0330	EA	Drill 4" Diameter Core In 10" To 14" Limestone	119.19	
02 41 19 13-0331	EA	Drill 6" Diameter Core In 10" To 14" Limestone	167.93	
02 41 19 13-0332	EA	Drill 8" Diameter Core In 10" To 14" Limestone	279.17	
02 41 19 13-0333		15" To 18" Thick Limestone Core Drilling *(02 41 19 13-0324)*		
02 41 19 13-0334	EA	Drill 1" Diameter Core In 15" To 18" Limestone	76.69	
02 41 19 13-0335	EA	Drill 1-1/2" Diameter Core In 15" To 18" Limestone	90.72	
02 41 19 13-0336	EA	Drill 2" Diameter Core In 15" To 18" Limestone	97.86	
02 41 19 13-0337	EA	Drill 3" Diameter Core In 15" To 18" Limestone	105.27	
02 41 19 13-0338	EA	Drill 4" Diameter Core In 15" To 18" Limestone	140.29	
02 41 19 13-0339	EA	Drill 6" Diameter Core In 15" To 18" Limestone	182.19	
02 41 19 13-0340	EA	Drill 8" Diameter Core In 15" To 18" Limestone	293.74	
02 41 19 13-0341		19" To 24" Thick Limestone Core Drilling *(02 41 19 13-0324)*		
02 41 19 13-0342	EA	Drill 1" Diameter Core In 19" To 24" Limestone	83.70	
02 41 19 13-0343	EA	Drill 1-1/2" Diameter Core In 19" To 24" Limestone	97.78	
02 41 19 13-0344	EA	Drill 2" Diameter Core In 19" To 24" Limestone	104.97	
02 41 19 13-0345	EA	Drill 3" Diameter Core In 19" To 24" Limestone	119.32	
02 41 19 13-0346	EA	Drill 4" Diameter Core In 19" To 24" Limestone	168.23	
02 41 19 13-0347	EA	Drill 6" Diameter Core In 19" To 24" Limestone	210.24	
02 41 19 13-0348	EA	Drill 8" Diameter Core In 19" To 24" Limestone	315.20	
02 41 19 13-0349		Minimum Charge For Core Drilling *(02 41 19 13-0082)*		
02 41 19 13-0350	EA	Core Drill Minimum Charge Note: For projects where the total core drilling charge is less than the minimum charge, use task "Minimum Charge For Core Drilling" exclusively. Task "Minimum Charge For Core Drilling" should not be used in conjunction with any other tasks in this section. Does not apply to sections "Drilling In Concrete Per Inch Of Depth" or "Drilling In Brick Or Block Per Inch Of Depth" or "Drilling In Wood Or Plastic Per Inch Of Depth".	940.90	
02 41 19 13-0351		Cutouts *(02 41 19 13)* Note: Includes saw cutting and removal of material. Not to be used for openings greater than 24 SF.		
02 41 19 13-0352		Reinforced Concrete Slab On Grade Cutouts *(02 41 19 13-0351)*		
02 41 19 13-0353	SF	4" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	56.05	
02 41 19 13-0354	SF	6" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	59.44	
02 41 19 13-0355	SF	8" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	62.84	
02 41 19 13-0356	SF	10" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	66.24	
02 41 19 13-0357	SF	12" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	67.94	
02 41 19 13-0358		Reinforced Concrete Elevated Slab Cutouts *(02 41 19 13-0351)* Note: Includes cutting and removing steel decking.		
02 41 19 13-0359	SF	4" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	68.30	
02 41 19 13-0360	SF	6" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	72.45	
02 41 19 13-0361	SF	8" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	76.59	
02 41 19 13-0362	SF	10" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	80.72	
02 41 19 13-0363	SF	12" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	82.80	
02 41 19 13-0364		Reinforced Concrete Wall Cutouts *(02 41 19 13-0351)*		
02 41 19 13-0365	SF	4" Thick Reinforced Concrete Wall Cutouts, <24 SF	70.05	
02 41 19 13-0366	SF	6" Thick Reinforced Concrete Wall Cutouts, <24 SF	74.30	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0367	SF	8" Thick Reinforced Concrete Wall Cutouts, <24 SF	78.55	
02 41 19 13-0368	SF	10" Thick Reinforced Concrete Wall Cutouts, <24 SF	82.80	
02 41 19 13-0369	SF	12" Thick Reinforced Concrete Wall Cutouts, <24 SF	84.91	
02 41 19 13-0370		Brick Wall Cutouts *(02 41 19 13-0351)*		
		Note: Excludes toothing.		
02 41 19 13-0371	SF	4" Thick Brick Wall Cutouts, <24 SF	21.23	
02 41 19 13-0372	SF	6" Thick Brick Wall Cutouts, <24 SF	35.03	
02 41 19 13-0373	SF	8" Thick Brick Wall Cutouts, <24 SF	48.78	
02 41 19 13-0374	SF	10" Thick Brick Wall Cutouts, <24 SF	59.44	
02 41 19 13-0375	SF	12" Thick Brick Wall Cutouts, <24 SF	71.12	
02 41 19 13-0376	SF	16" Thick Brick Wall Cutouts, <24 SF	83.86	
02 41 19 13-0377		Concrete Block Wall Cutouts *(02 41 19 13-0351)*		
		Note: Excludes toothing.		
02 41 19 13-0378	SF	4" Thick Concrete Block Wall Cutouts, <24 SF	35.12	
02 41 19 13-0379	SF	6" Thick Concrete Block Wall Cutouts, <24 SF	37.19	
02 41 19 13-0380	SF	8" Thick Concrete Block Wall Cutouts, <24 SF	39.28	
02 41 19 13-0381	SF	10" Thick Concrete Block Wall Cutouts, <24 SF	41.39	
02 41 19 13-0382	SF	12" Thick Concrete Block Wall Cutouts, <24 SF	42.46	
02 41 19 13-0383	SF	16" Thick Concrete Block Wall Cutouts, <24 SF	44.58	
02 41 19 13-0384		Limestone Cutouts *(02 41 19 13-0351)*		
02 41 19 13-0385	SF	2" Thick Limestone Cutouts, <24 SF	59.44	
02 41 19 13-0386	SF	4" Thick Limestone Cutouts, <24 SF	72.18	
02 41 19 13-0387	SF	6" Thick Limestone Cutouts, <24 SF	76.43	
02 41 19 13-0388	SF	8" Thick Limestone Cutouts, <24 SF	80.67	
02 41 19 13-0389	SF	10" Thick Limestone Cutouts, <24 SF	84.91	
02 41 19 13-0390	SF	12" Thick Limestone Cutouts, <24 SF	89.17	
02 41 19 13-0391		Toothing Masonry Cutouts *(02 41 19 13-0351)*		
		Note: For use where existing masonry must be removed in a toothing pattern along horizontal and vertical mortar joints. VLF measurement includes all horizontal cutting.		
02 41 19 13-0392	VLF	Brick, Soft Old Mortar, Toothing Masonry Cutouts	21.23	
02 41 19 13-0393	VLF	Brick, Hard Mortar, Toothing Masonry Cutouts	28.66	
02 41 19 13-0394	VLF	Concrete Block, Soft Old Mortar, Toothing Masonry Cutouts	12.74	
02 41 19 13-0395	VLF	Concrete Block, Hard Mortar, Toothing Masonry Cutouts	16.99	
02 41 19 13-0396		Minimum Charge For Cutouts *(02 41 19 13-0351)*		
		Note: For projects where the total cutouts charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
02 41 19 13-0397	EA	Cutouts Minimum Charge	424.59	
02 41 19 16		**Selective Interior Demolition** *(02 41 19)*		
		Note: Includes HEPA vacuum for dust control, break-up of material, loading into truck or dumpster and clean-up. Excludes temporary plastic barrier See CSI section 01 56 16 00-0000 for temporary dust barrier.		
02 41 19 16-0001		Floor Removal *(02 41 19 16)*		
02 41 19 16-0002		Scarify Concrete *(02 41 19 16-0001)*		
		Note: Up to 1/4" removal per pass.		
02 41 19 16-0003	SF	Scarify Concrete Floor	0.29	
02 41 19 16-0004	SF	Scarify Concrete Tread And Riser	2.47	
02 41 19 16-0005	SF	Scarify Concrete Wall	2.24	
02 41 19 16-0006		Fireproofing Removal *(02 41 19 16)*		
02 41 19 16-0007	SF	Removal Of Fireproofing From Concrete Or Steel	1.42	
02 41 19 16-0008		Demolish Ceiling *(02 41 19 16)*		
02 41 19 16-0009	SF	Demolish Drywall Ceiling	1.09	
02 41 19 16-0010	SF	Demolish Furred Plastered Ceiling	2.55	
02 41 19 16-0011	SF	Demolish Suspended Plastered Ceiling And Suspension System	1.95	
02 41 19 16-0012		Demolish Concrete Stair *(02 41 19 16)*		
02 41 19 16-0013	CF	Demolish Interior Reinforced Concrete Stairs	9.16	
02 41 19 16-0014	CF	Demolish Exterior Reinforced Concrete Stairs	7.63	
02 41 19 16-0015		Demolish Interior Partition/Wall *(02 41 19 16)*		
		Note: Price includes knock down, loading, clean-up.		
02 41 19 16-0016		Demolish Masonry And Concrete Interior Partition/Walls *(02 41 19 16-0015)*		
		Note: Includes saw cutting, knock down, loading and clean-up.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 16-0017		**Demolish Concrete Block Interior Partition/Walls** *(02 41 19 16-0016)*		
02 41 19 16-0018	SF	Demolish 4" Thick Non-Reinforced Concrete Block Interior Partition/Wall		5.93
02 41 19 16-0019	SF	Demolish 6" Thick Non-Reinforced Concrete Block Interior Partition/Wall		6.33
02 41 19 16-0020	SF	Demolish 8" Thick Non-Reinforced Concrete Block Interior Partition/Wall		7.14
02 41 19 16-0021	SF	Demolish 12" Thick Non-Reinforced Concrete Block Interior Partition/Wall		9.17
02 41 19 16-0022	SF	Demolish 16" Thick Non-Reinforced Concrete Block Interior Partition/Wall		11.45
02 41 19 16-0023	SF	Demolish 4" Thick Reinforced Concrete Block Interior Partition/Wall		7.12
02 41 19 16-0024	SF	Demolish 6" Thick Reinforced Concrete Block Interior Partition/Wall		7.60
02 41 19 16-0025	SF	Demolish 8" Thick Reinforced Concrete Block Interior Partition/Wall		8.58
02 41 19 16-0026	SF	Demolish 12" Thick Reinforced Concrete Block Interior Partition/Wall		11.00
02 41 19 16-0027	SF	Demolish 16" Thick Reinforced Concrete Block Interior Partition/Wall		13.75
02 41 19 16-0028		**Demolish Brick Interior Partition/Walls** *(02 41 19 16-0016)*		
02 41 19 16-0029	SF	Demolish 4" Thick Brick Interior Partition/Wall		5.93
02 41 19 16-0030	SF	Demolish 8" Thick Brick Interior Partition/Wall		7.14
02 41 19 16-0031	SF	Demolish 12" Thick Brick Interior Partition/Wall		9.16
02 41 19 16-0032	SF	Demolish 16" Thick Brick Interior Partition/Wall		11.45
02 41 19 16-0033		**Demolish Glass Block Interior Partition/Walls** *(02 41 19 16-0016)*		
02 41 19 16-0034	SF	Demolish Glass Block Interior Partition/Walls		5.08
02 41 19 16-0035		**Demolish Concrete Interior Partition/Walls** *(02 41 19 16-0016)*		
		See CSI section 02 41 16 13-0024 for concrete foundation demolition.		
02 41 19 16-0036	SF	Demolish 6" Thick Non-Reinforced Concrete Interior Partition/Wall		10.78
02 41 19 16-0037	SF	Demolish 8" Thick Non-Reinforced Concrete Interior Partition/Wall		13.48
02 41 19 16-0038	SF	Demolish 12" Thick Non-Reinforced Concrete Interior Partition/Wall		18.87
02 41 19 16-0039	SF	Demolish 6" Thick Reinforced Concrete Interior Partition/Wall		12.94
02 41 19 16-0040	SF	Demolish 8" Thick Reinforced Concrete Interior Partition/Wall		16.28
02 41 19 16-0041	SF	Demolish 12" Thick Reinforced Concrete Interior Partition/Wall		22.64
02 41 19 16-0042		**Demolish Terra-Cotta Block Interior Partition/Walls** *(02 41 19 16-0016)*		
02 41 19 16-0043	SF	Demolish Up To 6" Thick Terra-Cotta Block Interior Partition/Wall Finished With Plaster		2.04
02 41 19 16-0044		**Demolish Stud Framed Interior Partition/Walls** *(02 41 19 16-0015)*		
		Note: Includes knock down, loading and clean-up. Includes demo of insulation if required.		
02 41 19 16-0045	SF	Demolish Wood Or Metal Framed Interior Partition/Wall With Drywall 1 Side		3.60
		For Heights >14' To 20', Add	*0.54*	
		For Heights >20', Add	*0.72*	
02 41 19 16-0046	SF	Demolish Wood Or Metal Framed Interior Partition/Wall With Drywall 2 Sides		4.20
		For Heights >14' To 20', Add	*0.63*	
		For Heights >20', Add	*0.84*	
02 41 19 16-0047	SF	Demolish Wood Or Metal Framed Interior Partition/Wall With Plaster And Lath 1 Side		4.60
		For Heights >14' To 20', Add	*0.69*	
		For Heights >20', Add	*0.92*	
02 41 19 16-0048	SF	Demolish Wood Or Metal Framed Interior Partition/Wall With Plaster And Lath 2 Sides		6.40
		For Heights >14' To 20', Add	*0.96*	
		For Heights >20', Add	*1.28*	
02 41 19 16-0049	SF	Demolish Plaster And Lath From 1 Side Of An Interior Partition/Wall		1.90
		For Heights >14' To 20', Add	*0.29*	
		For Heights >20', Add	*0.38*	
02 41 19 16-0050	SF	Demolish Plaster And Lath From 2 Sides Of An Interior Partition/Wall		2.26
		For Heights >14' To 20', Add	*0.34*	
		For Heights >20', Add	*0.45*	

02 42 Removal and Salvage of Construction Materials *(02 40)*

02 42 21 Salvage of Construction Materials *(02 42)*

Note: Includes placement on pallets and storage on site.

02 42 21 35 Roofing Salvage *(02 42 21)*

02 42 21 35-0001		**Clay Tile Roofing Remove And Salvage For Re-use** *(02 42 21 35)*		
		Note: Includes removing mortar, scraping, cleaning, placement on pallets and storage on site.		
02 42 21 35-0002	SQ	Removal Of Clay Roof Tile, Salvage For Re-use		331.69

02 42 21 47 Flooring Salvage *(02 42 21)*

02 42 21 47-0001		**Flooring Remove And Salvage For Re-Use** *(02 42 21 47)*		
		Note: Includes removing mortar, scraping, cleaning, placement on pallets and storage on site.		
02 42 21 47-0002	SF	Removal Of Brick Flooring And Salvage		3.02
02 42 21 47-0003	SF	Removal Of Ceramic/Quarry Tile Floor And Salvage		3.02
02 42 21 47-0004	SF	Removal Of Terrazzo Flooring And Salvage		4.17
02 42 21 47-0005	SF	Removal Of Wood Strip Flooring And Salvage		2.44
02 42 21 47-0006	SF	Removal Of Wood Parquet Flooring And Salvage		1.29
02 42 21 47-0007	SF	Removal Of Resilient/Linoleum Flooring And Salvage		0.93

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

02 43 Structure Moving *(02 40)*

02 43 13 Structure Relocation *(02 43)*

Note: Includes disconnection of utilities, moving of structure, one day move (excludes travel expenses and lodging), up to 24' wide. Reset on new foundations and hook up to utilities.

02 43 13 13 Building Relocation *(02 43 13)*

02 43 13 13-0001 Move Relocatable Structures (Trailer, Mobile Facilities, etc.), Complete *(02 43 13 13)*

Note: Includes disconnect portable from foundation, separate relocatable unit and attachments as needed for transport, secure all relocatable attachments (awnings, steps, ramps, railing, etc.) for transport, transport relocatable and attachments to new location, including permits and police escort, connect to foundation per approved specifications/details, including welding and/or hurricane anchoring as needed.

02 43 13 13-0002	SF	Up To 800 SF, Move Relocatable Metal Frame Building	39.50	
02 43 13 13-0003	SF	>800 To 920 SF, Move Relocatable Metal Frame Building	37.34	
02 43 13 13-0004	SF	>920 SF, Move Relocatable Metal Frame Building	34.94	
02 43 13 13-0005	SF	Up To 800 SF, Move Relocatable Wood Frame Building	31.69	
02 43 13 13-0006	SF	>800 To 920 SF, Move Relocatable Wood Frame Building	29.62	
02 43 13 13-0007	SF	>920 SF, Move Relocatable Wood Frame Building	26.20	
02 43 13 13-0008	SF	Up To 800 SF, Move Relocatable Wood/Metal Frame Building	38.38	
02 43 13 13-0009	SF	>800 To 920 SF, Move Relocatable Wood/Metal Frame Building	34.94	
02 43 13 13-0010	SF	>920 SF, Move Relocatable Wood/Metal Frame Building	29.62	

02 50 Site Remediation *(02)*

02 58 Snow Control *(02 50)*

02 58 13 Snow Fencing *(02 58)*

02 58 13 00-0001 Snow/Sand Fence On Steel Posts *(02 58 13)*

02 58 13 00-0002	LF	Steel Fence Post, 10' On Center With 4' Wood Snow/Sand Fence	8.45	2.40

02 60 Contaminated Site Material Removal *(02)*

02 61 Removal and Disposal of Contaminated Soils *(02 60)*

02 61 13 Excavation and Handling of Contaminated Material *(02 61)*

See CSI section 31 23 16 00-0000 for excavation.

02 61 13 00-0001 Excavate Petroleum Contaminated Soil *(02 61 13)*

02 61 13 00-0002	CY	Excavate Petroleum Contaminated Soil Note: Includes excavation, making a determination if the soil is reusable or contaminated, and stockpiling as per determination.	14.55
02 61 13 00-0003	CY	Load Excavated Petroleum Contaminated Soil	8.29
02 61 13 00-0004	CY	Disposal Fees Of Petroleum Contaminated Soil	92.41

02 61 13 00-0005 Accessories For Contaminated Soil Stockpile *(02 61 13)*

See CSI section 31 25 14 23-0001 for sand bags.

02 61 13 00-0006	SF	30 Mil Liner For Contaminated Soil Storage Note: 9.93 SF of liner per 1 ton of petroleum contaminated soil.	1.63
02 61 13 00-0007	SF	10 Mil Liner For Contaminated Soil Storage Note: 9.93 SF of liner per 1 ton of petroleum contaminated soil.	0.97

02 61 26 Removal and Disposal of Asbestos Contaminated Soils *(02 61)*

Note: Includes materials, equipment, mobilization, preparation, signage, removal, transportation for up to 25 miles, disposal of waste at transfer facility or final destination, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there is a task with a unit of measure of CF for a quantity of less than 10 CF, followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project.

02 61 26 00-0001 Removal and Disposal of Asbestos Contaminated Soils *(02 61 26)*

Note: Includes materials, equipment, mobilization, preparation, signage, removal, transportation for up to 25 miles, disposal of waste at transfer facility or final destination, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there is a task with a unit of measure of CF for a quantity of less than 10 CF, followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project.

02 61 26 00-0002	EA	Up To 10 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	1,328.87
		For Work In Restricted Working Space, Add	*398.66*
02 61 26 00-0003	CF	>10 To 100 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	88.09
		For Work In Restricted Working Space, Add	*26.43*
02 61 26 00-0004	CF	>100 To 250 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	58.72
		For Work In Restricted Working Space, Add	*17.62*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 61 26 00-0005	CF	>250 To 500 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	44.11	
		For Work In Restricted Working Space, Add	*13.23*	
02 61 26 00-0006	CF	>500 To 2,500 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	35.24	
		For Work In Restricted Working Space, Add	*10.57*	
02 61 26 00-0007	CF	>2,500 To 10,000 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	29.95	
		For Work In Restricted Working Space, Add	*8.99*	
02 61 26 00-0008	CF	>10,000 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	26.95	
		For Work In Restricted Working Space, Add	*8.09*	

02 65 Underground Storage Tank Removal *(02 60)*

Note: Petroleum gasoline is classified as a hazardous material; fuel oil is considered a non-hazardous material. See CSI section 01 74 19 00-0041 for hauling, 31 20 00 00-0000 for non-contaminated soil excavation, 31 23 16 00-0000 for excavation, 31 41 00 00-0000 for shoring.

02 65 00 00-0001 Monitoring, Sampling, Testing And Analysis *(02 65)*

02 65 00 00-0002 Field Samples For Testing Underground Storage Tank *(02 65 00 00-0001)*

02 65 00 00-0003	EA	Collection Of Sludge Sample For Underground Storage Tank	26.15
02 65 00 00-0004	EA	Collection Of Pumpable Liquids Sample For Underground Storage Tank	26.15
02 65 00 00-0005	EA	Collection Of Contaminated Soil Sample	26.15

02 65 00 00-0006 Lab Tests For Underground Storage Tank Removal *(02 65 00 00-0001)*

Note: Includes lab test fees, reports, shipping, handling, chain of custody documents and disposal of sample.

02 65 00 00-0007	EA	Benzene, Toluene, Ethylbenzene, Xylene 8020, Lab Test Note: The cost is for the in-lab test for Benzene, Toluene, Ethylbenzene, And Xylene using procedure 8020 as detailed in EPA SW-846.	208.77
02 65 00 00-0008	EA	Flashpoint, Lab Test Note: The cost is for the in-lab test for the flashpoint using procedure 40CFR 261.21 as detailed in EPA SW-846.	81.19
02 65 00 00-0009	EA	TOX 9020, Lab Test Note: The cost is for the in-lab test for total organic halides using procedure 9020 as detailed in EPA SW-846.	195.30
02 65 00 00-0010	EA	TPH 8015 Modified, Lab Test Note: The cost is for the in-lab test for total petroleum hydrocarbons by gas chromatography using procedure 8015 Mod. as detailed in EPA SW-846.	208.77
02 65 00 00-0011	EA	TRPH 418.1, Lab Test Note: The cost is for the in-lab test for total recoverable petroleum hydrocarbons using procedure 418.1 as detailed in EPA SW-846.	162.38
02 65 00 00-0012	EA	VOC, Lab Test Note: The cost is for the in-lab test for volatile organics using procedure 8240 as detailed in EPA SW-846.	440.74
02 65 00 00-0013	EA	Semi-Volatile Organic, Lab Test Note: The cost is for the in-lab test for semi-volatile organics using procedure 8270 as detailed in EPA SW-846.	811.90
02 65 00 00-0014	EA	Oil And Grease 413.1, Lab Test Note: The cost is for the in-lab test for oil and grease using procedure 413.1 as detailed in EPA SW-846.	97.65
02 65 00 00-0015	EA	TCLP (Extraction) - Metals, Lab Test Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846.	173.98
02 65 00 00-0016	EA	TCLP (Extraction) - Semi-Volatile Organic, Lab Test Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846.	231.97
02 65 00 00-0017	EA	Metals 6010 RCRA, Lab Test Note: The cost is for the in-lab test for metals using procedure 6010 RCRA as detailed in EPA SW-846.	259.81
02 65 00 00-0018	EA	Metals (Arsenic) 7060, Lab Test Note: The cost is for the in-lab test for the metal arsenic using procedure 7060 as detailed in EPA SW-846.	34.80
02 65 00 00-0019	EA	Metals (Selenium) 7740, Lab Test Note: The cost is for the in-lab test for the metal selenium (SE) using procedure 7740 as detailed in EPA SW-846.	34.80
02 65 00 00-0020	EA	Metals (Lead) 7421, Lab Test Note: The cost is for the in-lab test for the metal lead using procedure 7421 as detailed in EPA SW-846.	34.80
02 65 00 00-0021	EA	Metals (Mercury) 7470, Lab Test Note: The cost is for the in-lab test for the metal mercury using procedure 7470 as detailed in EPA SW-846.	64.95
02 65 00 00-0022	EA	PNA/PAH 8100, Lab Test Note: The cost is for the in-lab test for polynuclear aromatic hydrocarbons using procedure 8100 as detailed in EPA SW-846.	371.15
02 65 00 00-0023	EA	Fuel Id ASTM D3328-78, Lab Test Note: The cost is for the in-lab test to determine the constituents of fuel using the procedure as detailed in ASTM D3328-78.	134.27
02 65 00 00-0024	EA	pH, Lab Test	27.84
02 65 00 00-0025	EA	Lab Test - Polychlorinated Biphenyl (PCB) In Wastewater	347.96
02 65 00 00-0026	EA	Methyl Tertiary Butyl Ether (MTBE), Lab Test	208.77

02 65 00 00-0027 Tests, Surveys And Maintenance For Underground Storage Tank *(02 65 00 00-0001)*

02 65 00 00-0028	EA	Site Survey For AST/UST Location By Certified Tank Installer Note: Includes testing Pump output both tank and dispenser, Calibrate pump dispenser if needed, Check all sumps both tank and dispenser, check all fitting connections for leaks and check wiring connection for possible malfunction or safety hazard, check seals on caps for fill tube, check overfill performance for safety shutdown, check all hoses and pump handle, check break-away couplings, complete written report on all data found.	1,195.58
02 65 00 00-0029	EA	Check Cathodic Protection - Impressed Current Systems And Sacrificial Anode Systems Note: By Certified Technician. Write report of findings for action if needed	207.57
02 65 00 00-0030	EA	Check And Report On Monitor Probes Note: By Certified Technician	48.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 65 00 00-0031	EA	Tank Monitoring System: Check System Per Manufacturer's Specification By Certified Technician With Written Report Note: Including pass / fail; paper feed operational paper installed etc.; and status of inspection repairs needed etc.	337.54	
02 65 00 00-0032	EA	Removal And Replacement Of Anode On Impressed System	175.29	
02 65 00 00-0033	EA	Removal And Replacement Of Power Converter On Impressed System On Underground Storage Tank	251.73	
02 65 00 00-0034	EA	Removal And Replacement Of Monitor Probes On Underground Storage Tank	348.27	
02 65 00 00-0035	EA	Ultrasonic Test On Underground Storage Tank	214.34	
02 65 00 00-0036		**Tests And Sampling Labor Hours** *(02 65 00 00-0001)*		
02 65 00 00-0037	HR	Certified Tank Installer For Underground Storage Tank	115.28	
02 65 00 00-0038	HR	Certified Geologist/Environmentalist	130.08	
02 65 00 00-0039	HR	Hourly Office Work For Reports Required For EPA On Underground Storage Tank Note: Includes title searches, well survey data, site drawings, submitting preliminary work, etc. Hours not to be used in association with other tasks performed.	139.38	
02 65 00 00-0040		**Remove Tank Contents** *(02 65)*		
02 65 00 00-0041		**Transfer Liquid** *(02 65 00 00-0040)* Note: For use to transfer liquids from one tank to another.		
02 65 00 00-0042	GAL	Transfer Reusable Liquid To Different Tank Note: Per gallon of material transferred.	0.62	
02 65 00 00-0043		**Remove And Dispose Of Liquid From Tank** *(02 65 00 00-0040)*		
02 65 00 00-0044	GAL	Removal and Disposal Of Hazardous Liquids From Tank	2.05	
02 65 00 00-0045	GAL	Removal and Disposal Of Non-Hazardous Liquid From Tank	0.92	
02 65 00 00-0046		**Remove And Dispose Of Solids Or Sludge** *(02 65 00 00-0040)* Note: Includes scraping and solidifying agent.		
02 65 00 00-0047	GAL	Removal and Disposal Of Hazardous Solids Or Sludge From Tank	7.31	
02 65 00 00-0048	GAL	Removal and Disposal Of Non-Hazardous Solids Or Sludge From Tank	1.69	
02 65 00 00-0049		**Purge Vapors, Open And Clean Tank** *(02 65)*		
02 65 00 00-0050		**Purge Vapors** *(02 65 00 00-0049)*		
02 65 00 00-0051	LB	Purge Tank Using Dry Ice Note: Approximately 1.5 To 3.0 Lb. of dry ice per 100 Gallons of tank volume.	5.08	
02 65 00 00-0052		**High Pressure Water Wash And Rinse Of Tank Interior** *(02 65 00 00-0049)* Note: Includes removal and disposal of rinse water.		
02 65 00 00-0053	EA	Up To 275 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	351.64	
02 65 00 00-0054	EA	>275 To 550 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	463.30	
02 65 00 00-0055	EA	>550 To 1,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	604.17	
02 65 00 00-0056	EA	>1,000 To 2,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	824.39	
02 65 00 00-0057	EA	>2,000 To 5,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	1,609.85	
02 65 00 00-0058	EA	>5,000 To 6,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	1,935.66	
02 65 00 00-0059	EA	>6,000 To 8,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	2,232.15	
02 65 00 00-0060	EA	>8,000 To 10,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	2,701.40	
02 65 00 00-0061	EA	>10,000 To 15,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	3,504.99	
02 65 00 00-0062	EA	>15,000 To 20,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	4,213.66	
02 65 00 00-0063	EA	>20,000 To 30,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	5,352.66	
02 65 00 00-0064	EA	>30,000 To 40,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	6,577.20	
02 65 00 00-0065	EA	>40,000 To 50,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	8,020.83	
02 65 00 00-0066		**Scrape Clean Tank Exterior** *(02 65 00 00-0049)*		
02 65 00 00-0067	EA	Up To 275 Gallon Tank, Scrape Clean Tank Exterior	261.22	
02 65 00 00-0068	EA	>275 To 550 Gallon Tank, Scrape Clean Tank Exterior	347.85	
02 65 00 00-0069	EA	>550 To 1,000 Gallon Tank, Scrape Clean Tank Exterior	455.80	
02 65 00 00-0070	EA	>1,000 To 2,000 Gallon Tank, Scrape Clean Tank Exterior	631.20	
02 65 00 00-0071	EA	>2,000 To 5,000 Gallon Tank, Scrape Clean Tank Exterior	1,397.81	
02 65 00 00-0072	EA	>5,000 To 6,000 Gallon Tank, Scrape Clean Tank Exterior	1,769.91	
02 65 00 00-0073	EA	>6,000 To 8,000 Gallon Tank, Scrape Clean Tank Exterior	2,071.12	
02 65 00 00-0074	EA	>8,000 To 10,000 Gallon Tank, Scrape Clean Tank Exterior	2,603.69	
02 65 00 00-0075	EA	>10,000 To 15,000 Gallon Tank, Scrape Clean Tank Exterior	3,384.16	
02 65 00 00-0076	EA	>15,000 To 20,000 Gallon Tank, Scrape Clean Tank Exterior	4,247.80	
02 65 00 00-0077	EA	>20,000 To 30,000 Gallon Tank, Scrape Clean Tank Exterior	5,530.99	
02 65 00 00-0078	EA	>30,000 To 40,000 Gallon Tank, Scrape Clean Tank Exterior	6,637.19	
02 65 00 00-0079	EA	>40,000 To 50,000 Gallon Tank, Scrape Clean Tank Exterior	8,296.48	
02 65 00 00-0080		**Tank And Piping Removal** *(02 65)* Note: Excludes excavation.		

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 65 00 00-0081		**Removal And Disposal Of Piping** *(02 65 00 00-0080)* Note: Includes removal, inspection, loading, transporting pipe to disposal facility or transfer station within 15 miles and disposal fees.		
02 65 00 00-0082	LF	Up To 4", Removal And Disposal Of Piping	20.61	
02 65 00 00-0083	LF	>4" To 8", Removal And Disposal Of Piping	27.48	
02 65 00 00-0084		**Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement** *(02 65 00 00-0080)* Note: Excludes excavation or backfill.		
02 65 00 00-0085	EA	Up To 275 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	747.99	
02 65 00 00-0086	EA	>275 To 550 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	908.27	
02 65 00 00-0087	EA	>550 To 1,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	1,068.56	
02 65 00 00-0088	EA	>1,000 To 2,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	1,335.70	
02 65 00 00-0089	EA	>2,000 To 5,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	1,869.97	
02 65 00 00-0090	EA	>5,000 To 6,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	2,350.83	
02 65 00 00-0091	EA	>6,000 To 8,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	2,671.39	
02 65 00 00-0092	EA	>8,000 To 10,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	3,205.68	
02 65 00 00-0093	EA	>10,000 To 15,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	4,274.23	
02 65 00 00-0094	EA	>15,000 To 20,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	5,123.85	
02 65 00 00-0095	EA	>20,000 To 30,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	6,004.10	
02 65 00 00-0096	EA	>30,000 To 40,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	7,024.29	
02 65 00 00-0097	EA	>40,000 To 50,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	8,780.35	
02 65 00 00-0098		**Cut Tank Into Sections That Can Easily Be Transported And Disposed Of When Necessary** *(02 65 00 00-0080)* Note: Includes 1 lengthwise at every 4' on-center height wise.		
02 65 00 00-0099	EA	>1,000 To 2,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	873.66	
02 65 00 00-0100	EA	>2,000 To 5,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	1,629.25	
02 65 00 00-0101	EA	>5,000 To 6,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	1,959.82	
02 65 00 00-0102	EA	>6,000 To 8,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	2,184.14	
02 65 00 00-0103	EA	>8,000 To 10,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	2,620.96	
02 65 00 00-0104	EA	>10,000 to 15,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	3,258.49	
02 65 00 00-0105	EA	>15,000 to 20,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	3,919.64	
02 65 00 00-0106	EA	>20,000 To 30,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	4,899.54	
02 65 00 00-0107	EA	>30,000 To 40,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	6,124.43	
02 65 00 00-0108	EA	>40,000 To 50,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	7,655.54	
02 65 00 00-0109		**Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station** *(02 65 00 00-0080)* Note: Includes disposal fee.		
02 65 00 00-0110	EA	Up To 275 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	347.45	
		For Each Additional Mile >15 Miles, Add	*4.97*	
02 65 00 00-0111	EA	>275 To 550 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	474.12	
		For Each Additional Mile >15 Miles, Add	*6.27*	
02 65 00 00-0112	EA	>550 To 1,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	748.40	
		For Each Additional Mile >15 Miles, Add	*9.41*	
02 65 00 00-0113	EA	>1,000 To 2,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	1,183.23	
		For Each Additional Mile >15 Miles, Add	*10.98*	
02 65 00 00-0114	EA	>2,000 To 5,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	2,088.29	
		For Each Additional Mile >15 Miles, Add	*19.34*	
02 65 00 00-0115	EA	>5,000 To 6,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	2,151.00	
		For Each Additional Mile >15 Miles, Add	*20.91*	
02 65 00 00-0116	EA	>6,000 To 8,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	2,255.53	
		For Each Additional Mile >15 Miles, Add	*23.52*	
02 65 00 00-0117	EA	>8,000 To 10,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	3,288.52	
		For Each Additional Mile >15 Miles, Add	*31.36*	
02 65 00 00-0118	EA	>10,000 To 15,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	4,486.27	
		For Each Additional Mile >15 Miles, Add	*47.04*	
02 65 00 00-0119	EA	>15,000 To 20,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	5,265.88	
		For Each Additional Mile >15 Miles, Add	*52.26*	
02 65 00 00-0120	EA	>20,000 To 30,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	6,527.43	
		For Each Additional Mile >15 Miles, Add	*62.72*	
02 65 00 00-0121	EA	>30,000 To 40,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	9,212.20	
		For Each Additional Mile >15 Miles, Add	*75.26*	
02 65 00 00-0122	EA	>40,000 To 50,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	11,152.18	
		For Each Additional Mile >15 Miles, Add	*86.55*	
02 65 00 00-0123		**Other Storage Tank Removals** *(02 65 00 00-0080)* Note: Based on tank gallon size		
02 65 00 00-0124	GAL	Removal Of Cement Lining	0.66	
02 65 00 00-0125	GAL	Sandblast Tank In Prep For Lining Or Welding; Remove Sand, Vacuum Walls And Seams	0.24	
02 65 00 00-0126	GAL	Install Epoxy For Interior Corrosion Protection	1.21	
02 65 00 00-0127		**Tank Closure Report** *(02 65 00 00-0080)* Note: Excludes soils tests. See CSI section 02 65 00 00-0006 for soil tests.		
02 65 00 00-0128	EA	Prepare Tank Closure Report	3,496.58	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

02 65 00 00-0129 Temporary Tanks *(02 65)*

02 65 00 00-0130 Temporary Holding Tanks *(02 65 00 00-0129)*

02 65 00 00-0131 Above Ground Temporary Holding Tanks, Monthly Rental *(02 65 00 00-0130)*

02 65 00 00-0132	MO	550 Gallon, Stainless Steel, DOT Approved, Above Ground Temporary Holding Tanks, Monthly Rental	965.25	
02 65 00 00-0133	MO	630 Gallon, Polyethylene, DOT Approved, Above Ground Temporary Holding Tanks, Monthly Rental	965.25	
02 65 00 00-0134	MO	630 Gallon, Polyethylene, Stackable, Above Ground Temporary Holding Tanks, Monthly Rental	1,930.49	
02 65 00 00-0135	MO	4,000 Gallon, Polyethylene, Stackable, Above Ground Temporary Holding Tanks, Monthly Rental	1,447.87	
02 65 00 00-0136	MO	4,000 Gallon, Polyethylene, Trailer Mounted, Above Ground Temporary Holding Tanks, Monthly Rental	3,378.36	
02 65 00 00-0137	MO	6,000 Gallon, Polyethylene, Total Drain, Above Ground Temporary Holding Tanks, Monthly Rental	2,413.12	
02 65 00 00-0138	MO	21,000 Gallon (500 BBL), Steel, Open, Stationary, Above Ground Temporary Holding Tanks, Monthly Rental	5,869.37	
02 65 00 00-0139	MO	21,000 Gallon (500 BBL), Steel, Closed, Stationary, Above Ground Temporary Holding Tanks, Monthly Rental	7,033.93	
02 65 00 00-0140	MO	21,000 Gallon (500 BBL), Steel, Vapor Proof, Above Ground Temporary Holding Tanks, Monthly Rental	11,878.49	

02 65 00 00-0141 Secondary Containment Berm *(02 65 00 00-0129)*

02 65 00 00-0142	MO	Secondary Containment Berm Monthly Rental	2,091.37	

02 80 Facility Remediation *(02)*

02 81 Transportation and Disposal of Hazardous Materials *(02 80)*

02 81 00 00-0001 Equipment Oil Drain And Disposal *(02 81)*

02 81 00 00-0002	TRIP	Drain Oil Filled Equipment, Place In Approved Container And Transport To Disposal Site Note: Excludes Disposal Cost.	677.78	
02 81 00 00-0003	DRM	Disposal Of Non-Polychlorinated Biphenyl (PCB) Oil In Normal Landfill, Per Partial Or Full 55-Gallon Drum Note: Excludes draining, placing in approved container, and transporting to disposal site.	106.51	
02 81 00 00-0004	DRM	Disposal Of Non-Toxic Polychlorinated Biphenyl (PCB) Oil Into A Lined Landfill, Per Partial Or Full 55-Gallon Drum Note: Excludes draining, placing in approved container, and transporting to disposal site.	484.12	
02 81 00 00-0005	DRM	Disposal of Toxic Polychlorinated Biphenyl (PCB) Oil By Incineration, Per Partial Or Full 55-Gallon Drum Note: Excludes draining, placing in approved container, and transporting to disposal site.	871.42	
02 81 00 00-0006	CF	Hazardous Polychlorinated Biphenyl (PCB) Oil Filled Equipment Disposal At Approved Site Note: Includes handling of equipment and disposal at approved site. Excludes draining of PCB contaminated oil prior to disposal.	116.24	

02 82 Asbestos Remediation *(02 80)*

See CSI section 01 56 16 00-0042 for temporary stud walls, 01 74 19 00-0041 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0003 for plastic sheeting for containment construction, 02 89 00 00-0015 for decontamination chambers.

02 82 13 Asbestos Abatement *(02 82)*

02 82 13 00-0001 Air Monitoring And Bulk Sampling, Asbestos Testing *(02 82 13)*

Note: Includes packaging of sample for shipping, shipping to testing lab, chain of custody documentation, analysis of sample, lab report, and sample disposal. Polarizing Light Microscope (PLM), Phase Contrast Microscope (PCM), and Transmission Electron Microscope (TEM). Excludes sampling time.

02 82 13 00-0002	HR	Certified Asbestos Air Sampling Technician For Bulk Sampling Or Air Monitoring	107.40	
02 82 13 00-0003	EA	48 Hours Or Longer Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing	63.06	
02 82 13 00-0004	EA	Next Day Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing	73.93	
02 82 13 00-0005	EA	Same Day Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing	117.42	
02 82 13 00-0006	EA	48 Hours Or Longer Turnaround, (Bulk) TEM Test, Asbestos Testing	202.22	
02 82 13 00-0007	EA	Next Day Turnaround, (Bulk) TEM Test, Asbestos Testing	245.71	
02 82 13 00-0008	EA	48 Hours Or Longer Turnaround, (Air) PCM Test, Asbestos Testing	50.01	
02 82 13 00-0009	EA	Next Day Turnaround, (Air) PCM Test, Asbestos Testing	60.88	
02 82 13 00-0010	EA	Same Day Turnaround, (Air) PCM Test, Asbestos Testing	82.63	
02 82 13 00-0011	EA	48 Hours Or Longer Turnaround, (Air Point Counting) PLM Test	63.06	
02 82 13 00-0012	EA	Next Day Turnaround, (Air Point Counting) PLM Test	73.93	
02 82 13 00-0013	EA	Same Day Turnaround, (Air Point Counting) PLM Test	117.42	
02 82 13 00-0014	EA	48 Hours Or Longer Turnaround, (Air) TEM Test, Asbestos Testing	202.22	
02 82 13 00-0015	EA	Next Day Turnaround, (Air) TEM Test, Asbestos Testing	232.66	
02 82 13 00-0016	EA	Same Day Turnaround, (Air) TEM Test, Asbestos Testing	323.99	

02 82 16 Engineering Control of Asbestos Containing Materials *(02 82)*

02 82 16 00-0001 Asbestos Encapsulation (Lock-Down) *(02 82 16)*

02 82 16 00-0002	SF	Asbestos Encapsulant Spray Adhesive (Lock-Down), Per Coat	1.78	
02 82 16 00-0003	SF	Asbestos Binding Compound Encapsulant/Sealant, Per Coat Required (Fiberlock® ABC® Asbestos Binding Compound)	2.43	
02 82 16 00-0004	SF	Asbestos Fiberspray Encapsulation (Fiberlock® ABC Fiberspray®)	2.61	
02 82 16 00-0005	SF	Asbestos Acrylic Encasement/Encapsulation (Fiberlock® Lag-Kote®)	2.86	
02 82 16 00-0006	SF	Water Activated Repair Cloth Encapsulant (Fiberlock® Lag-Kwik®)	8.74	
02 82 16 00-0007	SF	Water Activated Repair Cloth Encapsulant (Fiberlock® Lag-Kloth®)	9.88	

02 82 33 Removal and Disposal of Asbestos Containing Materials *(02 82)*

Note: Includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.),

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

signage, removal, lockdown encapsulant applied to surfaces, bagging, clean-up, vacuuming, transportation for up to 25 miles, disposal of waste at transfer facility or final destination, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there is a task with a unit of measure of SET for a quantity of less than 10 LF or SF (10 LF to 20 LF for ACM pipe insulation), followed by a series of tasks for other quantities. The SET task includes portion for set-up and mobilization. For those tasks the contractor will be paid the first task of SET with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project.

02 82 33 00-0001 Pipe And Pipe Fittings Insulation, Asbestos Abatement And Disposal *(02 82 33)*

02 82 33 00-0002 Pipe Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0001)*

Note: Diameter is outer size of insulation. Treat fittings as additional linear feet of insulation.

02 82 33 00-0003 Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0002)*

See CSI section 02 82 33 00-0031 for projects with less than 10 LF.

02 82 33 00-0004	SET	Up To 20 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	1,350.23	
		For Work In Restricted Working Space, Add	*398.66*	
02 82 33 00-0005	LF	>20 To 250 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	46.37	
		For Work In Restricted Working Space, Add	*13.59*	
02 82 33 00-0006	LF	>250 To 500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	35.04	
		For Work In Restricted Working Space, Add	*10.19*	
02 82 33 00-0007	LF	>500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	26.55	
		For Work In Restricted Working Space, Add	*7.64*	
02 82 33 00-0008	LF	>2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	20.18	
		For Work In Restricted Working Space, Add	*5.73*	
02 82 33 00-0009	LF	>10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	17.69	
		For Work In Restricted Working Space, Add	*4.99*	

02 82 33 00-0010 >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0002)*

See CSI section 02 82 33 00-0031 for projects with less than 10 LF.

02 82 33 00-0011	SET	Up To 20 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	1,371.59	
		For Work In Restricted Working Space, Add	*398.66*	
02 82 33 00-0012	LF	>20 To 250 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	54.24	
		For Work In Restricted Working Space, Add	*15.63*	
02 82 33 00-0013	LF	>250 To 500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	41.21	
		For Work In Restricted Working Space, Add	*11.72*	
02 82 33 00-0014	LF	>500 To 2,500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	31.44	
		For Work In Restricted Working Space, Add	*8.79*	
02 82 33 00-0015	LF	>2,500 To 10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	24.11	
		For Work In Restricted Working Space, Add	*6.59*	
02 82 33 00-0016	LF	>10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	21.25	
		For Work In Restricted Working Space, Add	*5.73*	

02 82 33 00-0017 >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0002)*

See CSI section 02 82 33 00-0031 for projects with less than 10 LF.

02 82 33 00-0018	SET	Up To 20 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal	1,392.95	
		For Work In Restricted Working Space, Add	*398.66*	
02 82 33 00-0019	LF	>20 To 250 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal	72.32	
		For Work In Restricted Working Space, Add	*20.84*	
02 82 33 00-0020	LF	>250 To 500 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal	54.94	
		For Work In Restricted Working Space, Add	*15.63*	
02 82 33 00-0021	LF	>500 To 2,500 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal	41.92	
		For Work In Restricted Working Space, Add	*11.72*	
02 82 33 00-0022	LF	>2,500 To 10,000 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal	32.14	
		For Work In Restricted Working Space, Add	*8.79*	
02 82 33 00-0023	LF	>10,000 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal	28.33	
		For Work In Restricted Working Space, Add	*7.64*	

02 82 33 00-0024 >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0002)*

See CSI section 02 82 33 00-0031 for projects with less than 10 LF.

02 82 33 00-0025	SET	Up To 20 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal	1,414.32	
		For Work In Restricted Working Space, Add	*398.66*	
02 82 33 00-0026	LF	>20 To 250 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal	99.44	
		For Work In Restricted Working Space, Add	*28.66*	
02 82 33 00-0027	LF	>250 To 500 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal	75.55	
		For Work In Restricted Working Space, Add	*21.49*	
02 82 33 00-0028	LF	>500 To 2,500 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal	57.64	
		For Work In Restricted Working Space, Add	*16.12*	
02 82 33 00-0029	LF	>2,500 To 10,000 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal	44.19	
		For Work In Restricted Working Space, Add	*12.08*	
02 82 33 00-0030	LF	>10,000 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal	38.96	
		For Work In Restricted Working Space, Add	*10.51*	

02 82 33 00-0031 Glove Bag Method, Pipe Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0002)*

Note: Solid isolation barriers and plastic sheeting for containment construction (except on floor) are not required for glove bag projects unless required by local codes.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0032	SET	Glove Bag For First 3 LF Pipe Insulation, Asbestos Abatement And Disposal	865.69	
		For Work In Restricted Working Space, Add	*257.78*	
02 82 33 00-0033	LF	>3 To 20 LF Additional Glove Bag Work for Pipe Insulation	145.35	
		For Work In Restricted Working Space, Add	*42.96*	
02 82 33 00-0034	LF	>20 To 250 LF Additional Glove Bag Work for Pipe Insulation	57.74	
		For Work In Restricted Working Space, Add	*16.68*	
02 82 33 00-0035	LF	>250 To 500 LF Additional Glove Bag Work for Pipe Insulation	43.82	
		For Work In Restricted Working Space, Add	*12.50*	
02 82 33 00-0036	LF	>500 LF Additional Glove Bag Work for Pipe Insulation	33.40	
		For Work In Restricted Working Space, Add	*9.38*	

02 82 33 00-0037 Thermal Insulation, Asbestos Abatement And Disposal *(02 82 33)*

02 82 33 00-0038 Calcium Block Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0037)*

02 82 33 00-0039	SET	Up To 10 SF, Calcium Block Insulation, Asbestos Abatement And Disposal	1,339.55	
02 82 33 00-0040	SF	>10 To 500 SF, Calcium Block Insulation, Asbestos Abatement And Disposal	55.22	
02 82 33 00-0041	SF	>500 To 2,500 SF, Calcium Block Insulation, Asbestos Abatement And Disposal	45.60	
02 82 33 00-0042	SF	>2,500 To 10,000 SF, Calcium Block Insulation, Asbestos Abatement And Disposal	36.66	
02 82 33 00-0043	SF	>10,000 SF, Calcium Block Insulation, Asbestos Abatement And Disposal	29.97	

02 82 33 00-0044 Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0037)*

02 82 33 00-0045	SET	Up To 10 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal	1,334.21	
02 82 33 00-0046	SF	>10 To 500 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal	48.49	
02 82 33 00-0047	SF	>500 To 2,500 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal	38.87	
02 82 33 00-0048	SF	>2,500 To 10,000 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal	29.94	
02 82 33 00-0049	SF	>10,000 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal	23.25	

02 82 33 00-0050 Fibrous Glass Board Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0037)*

02 82 33 00-0051	SET	Up To 10 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal	1,332.43	
02 82 33 00-0052	SF	>10 To 500 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal	43.00	
02 82 33 00-0053	SF	>500 To 2,500 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal	33.39	
02 82 33 00-0054	SF	>2,500 To 10,000 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal	24.45	
02 82 33 00-0055	SF	>10,000 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal	17.76	

02 82 33 00-0056 Other Thermal Insulation, Up To 3" Thickness, Asbestos Abatement And Disposal *(02 82 33 00-0037)*

Note: e.g., duct, boiler, tank, etc.

02 82 33 00-0057	SET	Up To 25 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	1,342.22	
02 82 33 00-0058	SF	>25 To 500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	45.83	
02 82 33 00-0059	SF	>500 To 2,500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	36.21	
02 82 33 00-0060	SF	>2,500 To 10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	27.29	
02 82 33 00-0061	SF	>10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	20.60	

02 82 33 00-0062 Surfacing Material, Asbestos Abatement And Disposal *(02 82 33)*

02 82 33 00-0063 Fireproofing, Asbestos Abatement And Disposal *(02 82 33 00-0062)*

Note: Exposed surface area, includes associated overspray. See CSI section 02 82 33 00-0102 for asbestos abatement for up to 1 sf sections to expose area for attachments.

02 82 33 00-0064	SET	Up To 25 SF, Fireproofing, Asbestos Abatement And Disposal	1,342.22	
02 82 33 00-0065	SF	>25 To 500 SF, Fireproofing, Asbestos Abatement And Disposal	54.88	
02 82 33 00-0066	SF	>500 To 2,500 SF, Fireproofing, Asbestos Abatement And Disposal	41.28	
02 82 33 00-0067	SF	>2,500 To 10,000 SF, Fireproofing, Asbestos Abatement And Disposal	31.10	
02 82 33 00-0068	SF	>10,000 SF, Fireproofing, Asbestos Abatement And Disposal	23.45	

02 82 33 00-0069 Acoustical Plaster, Asbestos Abatement And Disposal *(02 82 33 00-0062)*

Note: Remove surface coat from brown coat or remove entire assembly, including lathe and finish materials.

02 82 33 00-0070	SET	Up To 25 SF, Acoustical Plaster, Asbestos Abatement And Disposal	1,337.77	
02 82 33 00-0071	SF	>25 To 500 SF, Acoustical Plaster, Asbestos Abatement And Disposal	23.07	
02 82 33 00-0072	SF	>500 To 2,500 SF, Acoustical Plaster, Asbestos Abatement And Disposal	17.52	
02 82 33 00-0073	SF	>2,500 To 10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal	13.10	
02 82 33 00-0074	SF	>10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal	9.78	

02 82 33 00-0075 Gypsum Wall Board, Asbestos Abatement And Disposal *(02 82 33 00-0062)*

02 82 33 00-0076	SET	Up To 50 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	1,346.67	
		For Additional Layer, Add	*365.44*	
02 82 33 00-0077	SF	>50 To 500 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	17.80	
		For Additional Layer, Add	*4.80*	
02 82 33 00-0078	SF	>500 To 2,500 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	13.10	
		For Additional Layer, Add	*3.50*	
02 82 33 00-0079	SF	>2,500 To 10,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	10.33	
		For Additional Layer, Add	*2.74*	
02 82 33 00-0080	SF	>10,000 To 50,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	8.12	
		For Additional Layer, Add	*2.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0081	SF	>50,000 To 100,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	6.45	
		For Additional Layer, Add	*1.67*	
02 82 33 00-0082	SF	>100,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	5.23	
		For Additional Layer, Add	*1.34*	

02 82 33 00-0083 Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal *(02 82 33 00-0062)*

02 82 33 00-0084	SET	Up To 25 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	1,337.77	
02 82 33 00-0085	SF	>25 To 500 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	33.47	
02 82 33 00-0086	SF	>500 To 2,500 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	24.61	
02 82 33 00-0087	SF	>2,500 To 10,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	19.30	
02 82 33 00-0088	SF	>10,000 To 50,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	15.09	
02 82 33 00-0089	SF	>50,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	10.88	

02 82 33 00-0090 Stucco, Asbestos Abatement And Disposal *(02 82 33 00-0062)*

02 82 33 00-0091	SET	Up To 50 SF, Stucco, Asbestos Abatement And Disposal	1,346.67	
02 82 33 00-0092	SF	>50 To 500 SF, Stucco, Asbestos Abatement And Disposal	29.25	
02 82 33 00-0093	SF	>500 To 2,500 SF, Stucco, Asbestos Abatement And Disposal	22.00	
02 82 33 00-0094	SF	>2,500 To 10,000 SF, Stucco, Asbestos Abatement And Disposal	16.62	
02 82 33 00-0095	SF	>10,000 SF, Stucco, Asbestos Abatement And Disposal	12.54	

02 82 33 00-0096 Spray On Acoustical Ceiling, Asbestos Abatement And Disposal *(02 82 33 00-0062)*

02 82 33 00-0097	SET	Up To 50 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	1,346.67	
02 82 33 00-0098	SF	>50 To 500 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	15.13	
02 82 33 00-0099	SF	>500 To 2,500 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	11.79	
02 82 33 00-0100	SF	>2,500 To 10,000 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	8.67	
02 82 33 00-0101	SF	>10,000 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	6.57	

02 82 33 00-0102 Fireproofing For Small Areas, Asbestos Abatement And Disposal *(02 82 33 00-0062)*

Note: For asbestos abatement for up to 1 SF sections to expose area for attachments. See CSI section 02 82 33 00-0063 for areas > 1 SF.

02 82 33 00-0103	EA	Up To 1 SF, Fireproofing For Small Areas, Asbestos Abatement And Disposal Note: For asbestos abatement for up to 1 SF sections to expose steel area for welding attachments.	222.01	

02 82 33 00-0104 Plywood, Asbestos Abatement And Disposal *(02 82 33 00-0062)*

02 82 33 00-0105	SET	Up To 40 SF, Plywood, Asbestos Abatement And Disposal	1,343.11	
02 82 33 00-0106	SF	>50 To 500 SF, Plywood, Asbestos Abatement And Disposal	19.18	
02 82 33 00-0107	SF	>500 To 2,500 SF, Plywood, Asbestos Abatement And Disposal	9.42	
02 82 33 00-0108	SF	>2,500 To 10,000 SF, Plywood, Asbestos Abatement And Disposal	6.48	
02 82 33 00-0109	SF	>10,000 SF, Plywood, Asbestos Abatement And Disposal	5.56	

02 82 33 00-0110 Flooring Material, Asbestos Abatement And Disposal *(02 82 33)*

02 82 33 00-0111 Floor Tile, Linoleum, Carpet Or Base, Asbestos Abatement And Disposal *(02 82 33 00-0110)*

02 82 33 00-0112 Floor Tile, Asbestos Abatement And Disposal *(02 82 33 00-0111)*

Note: Single layer or first of multiple layers. Excludes mastic.

02 82 33 00-0113	SET	Up To 100 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal	1,332.43	
		For Each Additional Layer, Add	*199.86*	
02 82 33 00-0114	SF	>100 To 500 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal	9.42	
		For Each Additional Layer, Add	*1.41*	
02 82 33 00-0115	SF	>500 To 2,500 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal	7.72	
		For Each Additional Layer, Add	*1.16*	
02 82 33 00-0116	SF	>2,500 To 10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal	6.17	
		For Each Additional Layer, Add	*0.93*	
02 82 33 00-0117	SF	>10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal	4.29	
		For Each Additional Layer, Add	*0.64*	

02 82 33 00-0118 Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal *(02 82 33 00-0111)*

Note: Single layer or first of multiple layers. Excludes mastic.

02 82 33 00-0119	SET	Up To 100 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal	1,332.43	
		For Each Additional Layer, Add	*199.86*	
02 82 33 00-0120	SF	>100 To 500 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal	9.42	
		For Each Additional Layer, Add	*1.41*	
02 82 33 00-0121	SF	>500 To 2,500 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal	7.75	
		For Each Additional Layer, Add	*1.16*	
02 82 33 00-0122	SF	>2,500 To 10,000 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal	7.04	
		For Each Additional Layer, Add	*1.06*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0123	SF	>10,000 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal	5.70	
		For Each Additional Layer, Add	*0.86*	

02 82 33 00-0124 Carpet, Asbestos Abatement And Disposal *(02 82 33 00-0111)*

02 82 33 00-0125	SET	Up To 100 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal	1,332.43	
02 82 33 00-0126	SF	>100 To 500 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal	7.40	
02 82 33 00-0127	SF	>500 To 2,500 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal	6.01	
02 82 33 00-0128	SF	>2,500 To 10,000 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal	4.41	
02 82 33 00-0129	SF	>10,000 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal	3.37	

02 82 33 00-0130 Wall Or Cove Base, Asbestos Abatement And Disposal *(02 82 33 00-0111)*

Note: Up to 12".

02 82 33 00-0131	SET	Up To 25 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	447.41	
02 82 33 00-0132	LF	>25 To 100 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	6.09	
02 82 33 00-0133	LF	>100 To 500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	3.72	
02 82 33 00-0134	LF	>500 To 2,500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	2.39	
02 82 33 00-0135	LF	>2,500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	1.73	

02 82 33 00-0136 Mastic, Asbestos Abatement And Disposal *(02 82 33 00-0110)*

Note: Applies to single layer or bottom layer only of multiple layers. Non-hydrocarbon with pine, citrus or no odor.

02 82 33 00-0137	SET	Up To 100 SF, Mastic, Asbestos Abatement And Disposal Note: Applies to bottom layer only if multiple layers.	1,337.78	
02 82 33 00-0138	SF	>100 To 500 SF, Mastic, Asbestos Abatement And Disposal Note: Applies to bottom layer only if multiple layers.	3.40	
02 82 33 00-0139	SF	>500 To 2,500 SF, Mastic, Asbestos Abatement And Disposal Note: Applies to bottom layer only if multiple layers.	2.52	
02 82 33 00-0140	SF	>2,500 To 10,000 SF, Mastic, Asbestos Abatement And Disposal Note: Applies to bottom layer only if multiple layers.	1.96	
02 82 33 00-0141	SF	>10,000 SF, Mastic, Asbestos Abatement And Disposal Note: Applies to bottom layer only if multiple layers.	1.59	

02 82 33 00-0142 Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal *(02 82 33 00-0110)*

Note: Includes finish wood, asbestos barrier paper, cleanup of sub-wood floor, fasteners, wood fillers and protection of clean crawl space from contamination.

02 82 33 00-0143	SET	Up To 100 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	1,364.48	
02 82 33 00-0144	SF	>100 To 500 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	10.83	
02 82 33 00-0145	SF	>500 To 2,500 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	8.00	
02 82 33 00-0146	SF	>2,500 To 10,000 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	6.34	
02 82 33 00-0147	SF	>10,000 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	5.01	

02 82 33 00-0148 Mastic Contaminated Wood Sub-Flooring, Asbestos Abatement And Disposal *(02 82 33 00-0110)*

Note: Includes removal of all anchors.

02 82 33 00-0149	SF	Mastic-Contaminated Wood Sub-Flooring, Asbestos Abatement And Disposal Note: Includes removal of all anchors.	4.88	

02 82 33 00-0150 Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal *(02 82 33 00-0110)*

02 82 33 00-0151	SET	Up To 100 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal	1,346.66	
02 82 33 00-0152	SF	>100 To 500 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal	12.03	
02 82 33 00-0153	SF	>500 To 2,500 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal Note: Includes detachment of mounted objects before removal.	7.94	
02 82 33 00-0154	SF	>2,500 To 10,000 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal	6.27	
02 82 33 00-0155	SF	>10,000 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal	5.16	

02 82 33 00-0156 Roofing, Asbestos Abatement And Disposal *(02 82 33)*

02 82 33 00-0157 Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal *(02 82 33 00-0156)*

Note: Includes roofing, flashing, sheet metal, insulation, pitch pockets, board etc.

02 82 33 00-0158 Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal *(02 82 33 00-0157)*

02 82 33 00-0159	SET	Up To 125 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	1,373.38	
02 82 33 00-0160	SF	>125 To 1,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	8.85	
02 82 33 00-0161	SF	>1,000 To 5,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	7.16	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0162	SF	>5,000 To 10,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	5.80	
02 82 33 00-0163	SF	>10,000 To 20,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	4.44	
02 82 33 00-0164	SF	>20,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	3.41	
02 82 33 00-0165		>2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal *(02 82 33 00-0157)*		
02 82 33 00-0166	SET	Up To 110 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	1,407.20	
02 82 33 00-0167	SF	>110 To 1,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	10.39	
02 82 33 00-0168	SF	>1,000 To 5,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	8.41	
02 82 33 00-0169	SF	>5,000 To 10,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	6.92	
02 82 33 00-0170	SF	>10,000 To 20,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	5.36	
02 82 33 00-0171	SF	>20,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	4.19	
02 82 33 00-0172		>5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal *(02 82 33 00-0157)*		
02 82 33 00-0173	SET	Up To 110 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	1,446.36	
02 82 33 00-0174	SF	>110 To 1,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	11.82	
02 82 33 00-0175	SF	>1,000 To 5,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	9.63	
02 82 33 00-0176	SF	>5,000 To 10,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	7.96	
02 82 33 00-0177	SF	>10,000 To 20,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	6.24	
02 82 33 00-0178	SF	>20,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	4.93	
02 82 33 00-0179		Shingles And Felt Roofing, Asbestos Abatement And Disposal *(02 82 33 00-0156)*		
02 82 33 00-0180		Shingles And Felt Roofing, Asbestos Abatement And Disposal *(02 82 33 00-0179)*		
02 82 33 00-0181	SET	Up To 125 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	1,340.00	
02 82 33 00-0182	SF	>125 To 1,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	8.58	
		For Each Additional Layer, Add	*1.72*	
02 82 33 00-0183	SF	>1,000 To 5,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	6.89	
		For Each Additional Layer, Add	*1.38*	
02 82 33 00-0184	SF	>5,000 To 10,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	5.53	
		For Each Additional Layer, Add	*1.11*	
02 82 33 00-0185	SF	>10,000 To 20,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	4.17	
		For Each Additional Layer, Add	*0.83*	
02 82 33 00-0186	SF	>20,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	3.14	
		For Each Additional Layer, Add	*0.63*	
02 82 33 00-0187		Roof Penetration Mastic, Asbestos Abatement And Disposal *(02 82 33 00-0156)*		
02 82 33 00-0188	SET	Up To 10 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal	443.85	
02 82 33 00-0189	SF	>10 To 50 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal	3.41	
02 82 33 00-0190	SF	>50 To 100 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal	2.81	
02 82 33 00-0191	SF	>100 To 250 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal	2.28	
02 82 33 00-0192	SF	>250 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal	1.69	
02 82 33 00-0193		Roof Curb Mastic, Asbestos Abatement And Disposal *(02 82 33 00-0156)*		
02 82 33 00-0194	SET	Up To 10 LF, Roof Curb Mastic, Asbestos Abatement And Disposal	443.85	
02 82 33 00-0195	LF	>10 To 20 LF, Roof Curb Mastic, Asbestos Abatement And Disposal	10.06	
02 82 33 00-0196	LF	>20 To 50 LF, Roof Curb Mastic, Asbestos Abatement And Disposal	8.06	
02 82 33 00-0197	LF	>50 To 150 LF, Roof Curb Mastic, Asbestos Abatement And Disposal	6.73	
02 82 33 00-0198	LF	>150 LF, Roof Curb Mastic, Asbestos Abatement And Disposal	4.88	
02 82 33 00-0199		Asbestos-Cement Products, Asbestos Abatement And Disposal *(02 82 33)*		
02 82 33 00-0200		Interior Asbestos-Cement Board, Asbestos Abatement And Disposal *(02 82 33 00-0199)* Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0201	SET	Up To 100 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal Note: Includes detachment of mounted objects before removal.	1,346.66	
02 82 33 00-0202	SF	>100 To 500 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal Note: Includes detachment of mounted objects before removal.	9.24	
02 82 33 00-0203	SF	>500 To 2,500 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal Note: Includes detachment of mounted objects before removal.	4.71	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0204	SF	>2,500 To 10,000 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal Note: Includes detachment of mounted objects before removal.	3.80	
02 82 33 00-0205	SF	>10,000 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal Note: Includes detachment of mounted objects before removal.	3.33	
02 82 33 00-0206		Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal *(02 82 33 00-0199)*		
02 82 33 00-0207	SET	Up To 100 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	1,346.66	
02 82 33 00-0208	SF	>100 To 500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	8.04	
02 82 33 00-0209	SF	>500 To 2,500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	4.21	
02 82 33 00-0210	SF	>2,500 To 10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	3.40	
02 82 33 00-0211	SF	>10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	2.98	
02 82 33 00-0212		Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal *(02 82 33 00-0199)*		
02 82 33 00-0213	SET	Up To 10 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	1,128.76	
02 82 33 00-0214	LF	>10 To 100 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	47.44	
02 82 33 00-0215	LF	>100 To 250 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	36.11	
02 82 33 00-0216	LF	>250 To 500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	27.62	
02 82 33 00-0217	LF	>500 To 2,500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	21.25	
02 82 33 00-0218	LF	>2,500 To 10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	16.47	
02 82 33 00-0219	LF	>10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	16.14	
02 82 33 00-0220		Exterior Transite Siding, Asbestos Abatement And Disposal *(02 82 33 00-0199)*		
02 82 33 00-0221	SET	Up To 125 SF, Exterior Transite Siding, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	1,359.04	
02 82 33 00-0222	SF	>125 To 1,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	7.26	
02 82 33 00-0223	SF	>1,000 To 5,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	5.84	
02 82 33 00-0224	SF	>5,000 To 10,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	4.71	
02 82 33 00-0225	SF	>10,000 To 20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	3.57	
02 82 33 00-0226	SF	>20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	2.73	
02 82 33 00-0227		Asbestos Contaminated Debris, Asbestos Abatement And Disposal *(02 82 33)*		
02 82 33 00-0228		Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal *(02 82 33 00-0227)* Note: For non-attic/crawl space surface cleaning including walls, floors, equipment, and furniture.		
02 82 33 00-0229	SET	Up To 10 SF, Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal	666.22	
02 82 33 00-0230	SF	>10 To 100 SF, Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal	1.27	
02 82 33 00-0231	SF	>100 To 500 SF, Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal	0.84	
02 82 33 00-0232	SF	>500 To 1,000 SF, Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal	0.70	
02 82 33 00-0233	SF	>1,000 SF, Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal	0.61	
02 82 33 00-0234		Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal *(02 82 33 00-0227)*		
02 82 33 00-0235	SET	Up To 10 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	893.04	
02 82 33 00-0236	SF	>10 To 100 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	22.86	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0237	SF	>100 To 250 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	15.66	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0238	SF	>250 To 500 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	11.79	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0239	SF	>500 To 2,500 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	9.57	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0240	SF	>2,500 To 10,000 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	8.47	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0241	SF	>10,000 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	7.35	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0242	SET	Up To 10 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	1,119.86	
02 82 33 00-0243	SF	>10 To 100 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	45.27	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0244	SF	>100 To 250 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	30.62	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0245	SF	>250 To 500 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	23.31	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0246	SF	>500 To 2,500 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	18.87	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0247	SF	>2,500 To 10,000 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	16.23	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0248	SF	>10,000 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	14.73	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0249	SET	Up To 10 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	1,350.23	
02 82 33 00-0250	SF	>10 To 100 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	90.23	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0251	SF	>100 To 250 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	60.86	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0252	SF	>250 To 500 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	46.25	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0253	SF	>500 To 2,500 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	37.38	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0254	SF	>2,500 To 10,000 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	32.09	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0255	SF	>10,000 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	29.09	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0256		Asbestos Contaminated Debris, Asbestos Abatement And Disposal *(02 82 33 00-0227)*		
02 82 33 00-0257	SET	Up To 10 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	907.28	
		For Work In Restricted Working Space, Add	*265.78*	
02 82 33 00-0258	CF	>10 To 100 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	90.23	
		For Work In Restricted Working Space, Add	*26.43*	
02 82 33 00-0259	CF	>100 To 250 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	60.86	
		For Work In Restricted Working Space, Add	*17.62*	
02 82 33 00-0260	CF	>250 To 500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	46.25	
		For Work In Restricted Working Space, Add	*13.23*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0261	CF	>500 To 2,500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	37.38	
		For Work In Restricted Working Space, Add	*10.57*	
02 82 33 00-0262	CF	>2,500 To 10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	32.09	
		For Work In Restricted Working Space, Add	*8.99*	
02 82 33 00-0263	CF	>10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	29.09	
		For Work In Restricted Working Space, Add	*8.09*	

02 82 33 00-0264 Other Asbestos Containing Materials, Asbestos Abatement And Disposal *(02 82 33)*

02 82 33 00-0265 30" To 36" Fire Door, Asbestos Abatement And Disposal *(02 82 33 00-0264)*

02 82 33 00-0266	SET	Up To 1 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal	452.57	
02 82 33 00-0267	EA	>1 To 20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal	169.07	
02 82 33 00-0268	EA	>20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal	153.13	

02 82 33 00-0269 HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal *(02 82 33 00-0264)*

02 82 33 00-0270	SET	Up To 10 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	443.40	
02 82 33 00-0271	LF	>10 To 50 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	9.10	
02 82 33 00-0272	LF	>50 To 100 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	6.84	
02 82 33 00-0273	LF	>100 To 250 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	5.88	
02 82 33 00-0274	LF	>250 To 1,000 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	5.07	
02 82 33 00-0275	LF	>1,000 To 2,500 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	4.34	
02 82 33 00-0276	LF	>2,500 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	3.75	

02 82 33 00-0277 Grout, Asbestos Abatement And Disposal *(02 82 33 00-0264)*

Note: e.g. flue grout.

02 82 33 00-0278	SET	Up To 10 LF, Grout, Asbestos Abatement And Disposal	443.25	
02 82 33 00-0279	LF	>10 To 50 LF, Grout, Asbestos Abatement And Disposal	17.47	
02 82 33 00-0280	LF	>50 To 100 LF, Grout, Asbestos Abatement And Disposal	12.03	
02 82 33 00-0281	LF	>100 To 250 LF, Grout, Asbestos Abatement And Disposal	10.32	
02 82 33 00-0282	LF	>250 To 1,000 LF, Grout, Asbestos Abatement And Disposal	8.86	
02 82 33 00-0283	LF	>1,000 To 2,500 LF, Grout, Asbestos Abatement And Disposal	7.64	
02 82 33 00-0284	LF	>2,500 LF, Grout, Asbestos Abatement And Disposal	6.55	

02 82 33 00-0285 Gaskets, Asbestos Abatement And Disposal *(02 82 33 00-0264)*

Note: e.g. rope, web cloth, flat.

02 82 33 00-0286	SET	Up To 10 LF, Gaskets, Asbestos Abatement And Disposal	443.40	
02 82 33 00-0287	LF	>10 To 50 LF, Gaskets, Asbestos Abatement And Disposal	23.53	
02 82 33 00-0288	LF	>50 To 250 LF, Gaskets, Asbestos Abatement And Disposal	17.66	
02 82 33 00-0289	LF	>250 To 500 LF, Gaskets, Asbestos Abatement And Disposal	15.05	
02 82 33 00-0290	LF	>500 To 1,500 LF, Gaskets, Asbestos Abatement And Disposal	13.54	
02 82 33 00-0291	LF	>1,500 To 2,500 LF, Gaskets, Asbestos Abatement And Disposal	12.18	
02 82 33 00-0292	LF	>2,500 LF, Gaskets, Asbestos Abatement And Disposal	11.58	

02 82 33 00-0293 Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal *(02 82 33 00-0264)*

Note: e.g. grid, spline, or glued on.

02 82 33 00-0294	SET	Up To 50 SF, Ceiling Tile, Asbestos Abatement And Disposal Note: Including Glue Removal	894.82	
02 82 33 00-0295	SF	>50 To 1,000 SF, Ceiling Tile, Asbestos Abatement And Disposal Note: Including Glue Removal	19.00	
02 82 33 00-0296	SF	>1,000 To 2,500 SF, Ceiling Tile, Asbestos Abatement And Disposal Note: Including Glue Removal	9.24	
02 82 33 00-0297	SF	>2,500 To 10,000 SF, Ceiling Tile, Asbestos Abatement And Disposal Note: Including Glue Removal	6.30	
02 82 33 00-0298	SF	>10,000 SF, Ceiling Tile, Asbestos Abatement And Disposal Note: Including Glue Removal	5.38	

02 82 33 00-0299 Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal *(02 82 33 00-0264)*

Note: Includes ceiling tile, asbestos barrier paper, and furring strips.

02 82 33 00-0300	SET	Up To 50 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	890.72	
02 82 33 00-0301	SF	>50 To 1,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	19.00	
02 82 33 00-0302	SF	>1,000 To 2,500 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	9.24	
02 82 33 00-0303	SF	>2,500 To 10,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	6.30	
02 82 33 00-0304	SF	>10,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	5.38	

02 82 33 00-0305 Caulking, Asbestos Abatement And Disposal *(02 82 33 00-0264)*

02 82 33 00-0306 Non-Friable Caulking, Asbestos Abatement And Disposal *(02 82 33 00-0305)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0307	SET	Up To 10 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	443.25	
02 82 33 00-0308	LF	>10 To 50 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	13.10	
02 82 33 00-0309	LF	>50 To 100 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	9.24	
02 82 33 00-0310	LF	>100 To 250 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	6.88	
02 82 33 00-0311	LF	>250 To 1,000 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	5.18	
02 82 33 00-0312	LF	>1,000 To 2,500 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	4.11	
02 82 33 00-0313	LF	>2,500 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	3.56	
02 82 33 00-0314		**Wood Wall Joint Compound, Asbestos Abatement And Disposal** *(02 82 33 00-0264)*		
02 82 33 00-0315	SET	Up To 10 SF, Wood Wall Joint Compound, Asbestos Abatement And Disposal	886.81	
02 82 33 00-0316	SF	>10 To 500 SF, Wood Wall Joint Compound, Asbestos Abatement And Disposal	17.53	
02 82 33 00-0317	SF	>500 To 2,500 SF, Wood Wall Joint Compound, Asbestos Abatement And Disposal	12.83	
02 82 33 00-0318	SF	>2,500 To 10,000 SF, Wood Wall Joint Compound, Asbestos Abatement And Disposal	10.06	
02 82 33 00-0319	SF	>10,000 SF, Wood Wall Joint Compound, Asbestos Abatement And Disposal	7.85	
02 82 33 00-0320		**Chalk Board Mastic, Asbestos Abatement And Disposal** *(02 82 33 00-0264)*		
02 82 33 00-0321	SET	Up To 100 SF, Chalk Board Mastic, Asbestos Abatement And Disposal	451.87	
02 82 33 00-0322	SF	>100 To 1,000 SF, Chalk Board Mastic, Asbestos Abatement And Disposal	18.91	
02 82 33 00-0323	SF	>1,000 To 2,500 SF, Chalk Board Mastic, Asbestos Abatement And Disposal	9.15	
02 82 33 00-0324	SF	>2,500 To 10,000 SF, Chalk Board Mastic, Asbestos Abatement And Disposal	6.21	
02 82 33 00-0325	SF	>10,000 SF, Chalk Board Mastic, Asbestos Abatement And Disposal	5.29	
02 82 33 00-0326		**Tack Board Mastic, Asbestos Abatement And Disposal** *(02 82 33 00-0264)*		
02 82 33 00-0327	SET	Up To 100 SF, Tack Board Mastic, Asbestos Abatement And Disposal	451.87	
02 82 33 00-0328	SF	>100 To 1,000 SF, Tack Board Mastic, Asbestos Abatement And Disposal	18.91	
02 82 33 00-0329	SF	>1,000 To 2,500 SF, Tack Board Mastic, Asbestos Abatement And Disposal	9.15	
02 82 33 00-0330	SF	>2,500 To 10,000 SF, Tack Board Mastic, Asbestos Abatement And Disposal	6.21	
02 82 33 00-0331	SF	>10,000 SF, Tack Board Mastic, Asbestos Abatement And Disposal	5.29	
02 82 33 00-0332		**Dash Coat Over Wood Walls, Asbestos Abatement And Disposal** *(02 82 33 00-0264)*		
02 82 33 00-0333	SET	Up To 10 SF, Dash Coat Over Wood Walls, Asbestos Abatement And Disposal	886.81	
02 82 33 00-0334	SF	>10 To 500 SF, Dash Coat Over Wood Walls, Asbestos Abatement And Disposal	19.47	
02 82 33 00-0335	SF	>500 To 2,500 SF, Dash Coat Over Wood Walls, Asbestos Abatement And Disposal	14.53	
02 82 33 00-0336	SF	>2,500 To 10,000 SF, Dash Coat Over Wood Walls, Asbestos Abatement And Disposal	10.92	
02 82 33 00-0337	SF	>10,000 SF, Dash Coat Over Wood Walls, Asbestos Abatement And Disposal	8.22	
02 82 33 00-0338		**HEPA Vacuum, Asbestos Abatement And Disposal** *(02 82 33 00-0264)*		
		Note: For adjacent areas.		
02 82 33 00-0339	SF	High Efficiency Particulate Air (HEPA) Vacuum And Cleaning Of Contaminated Area	0.84	
02 82 33 00-0340		**Asbestos Contaminated Paint, Asbestos Abatement And Disposal** *(02 82 33 00-0264)*		
		Note: Exposed surface area, includes associated overspray.		
02 82 33 00-0341	SET	Up To 10 SF, Asbestos Contaminated Paint On Bridges, Asbestos Abatement And Disposal	554.59	
02 82 33 00-0342	SF	>10 To 500 SF, Asbestos Contaminated Paint On Bridges, Asbestos Abatement And Disposal	54.44	
02 82 33 00-0343	SF	>500 To 2,500 SF, Asbestos Contaminated Paint On Bridges, Asbestos Abatement And Disposal	40.84	
02 82 33 00-0344	SF	>2,500 To 10,000 SF, Asbestos Contaminated Paint On Bridges, Asbestos Abatement And Disposal	30.66	
02 82 33 00-0345	SF	>10,000 SF, Asbestos Contaminated Paint On Bridges, Asbestos Abatement And Disposal	23.01	
02 82 33 00-0346		**Tackboards/Chalkboards/Markerboards With Mastic, Asbestos Abatement And Disposal** *(02 82 33 00-0264)*		
02 82 33 00-0347	SF	Tackboards/Chalkboards/Markerboards With Mastic, Asbestos Abatement And Disposal	5.71	
02 82 33 00-0348	SF	Mastic On Walls, Asbestos Abatement And Disposal	22.24	
02 82 33 00-0349		**Other Material, Asbestos Abatement And Disposal** *(02 82 33 00-0264)*		
02 82 33 00-0350	LF	Chemical Countertops, Asbestos Abatement And Disposal	30.24	
02 82 33 00-0351	EA	Chemical Fume Hood, Asbestos Abatement And Disposal	1,712.35	
02 82 33 00-0352		**Wire Insulation, Asbestos Abatement And Disposal** *(02 82 33 00-0264)*		
02 82 33 00-0353		**Wire Insulation, Asbestos Abatement And Disposal** *(02 82 33 00-0352)*		
02 82 33 00-0354	SET	Up To 10 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal	443.25	
02 82 33 00-0355	LF	>10 To 50 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal	4.94	
02 82 33 00-0356	LF	>50 To 100 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal	3.49	
02 82 33 00-0357	LF	>100 To 250 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal	2.59	
02 82 33 00-0358	LF	>250 To 1,000 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal	1.96	
02 82 33 00-0359	LF	>1,000 To 2,500 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal	1.56	
02 82 33 00-0360	LF	>2,500 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal	1.36	
02 82 33 00-0361		**Window Putty, Asbestos Abatement And Disposal** *(02 82 33 00-0264)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0362	SET	Up To 10 LF, Window Putty, Asbestos Abatement And Disposal	443.25	
02 82 33 00-0363	LF	>10 To 50 LF, Window Putty, Asbestos Abatement And Disposal	17.47	
02 82 33 00-0364	LF	>50 To 100 LF, Window Putty, Asbestos Abatement And Disposal	12.03	
02 82 33 00-0365	LF	>100 To 250 LF, Window Putty, Asbestos Abatement And Disposal	10.32	
02 82 33 00-0366	LF	>250 To 1,000 LF, Window Putty, Asbestos Abatement And Disposal	8.86	
02 82 33 00-0367	LF	>1,000 LF, Window Putty, Asbestos Abatement And Disposal	7.64	

02 82 33 00-0368 Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal *(02 82 33 00-0264)*

02 82 33 00-0369	SET	Up To 4 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	926.93	
02 82 33 00-0370	EA	>4 To 40 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	89.53	
02 82 33 00-0371	EA	>40 To 60 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	63.11	
02 82 33 00-0372	EA	>60 To 125 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	49.95	
02 82 33 00-0373	EA	>125 To 625 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	41.97	
02 82 33 00-0374	EA	>625 To 1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	37.20	
02 82 33 00-0375	EA	>1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	34.50	

02 83 Lead Remediation *(02 80)*

See CSI section 01 56 16 00-0042 for temporary stud walls, 01 74 19 00-0041 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0003 for plastic sheeting for containment construction, 02 89 00 00-0015 for decontamination chambers.

02 83 19 Lead-Based Paint Remediation *(02 83)*

02 83 19 13 Lead-Based Paint Abatement *(02 83 19)*

Note: Includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, bagging, clean-up, vacuuming, transportation for up to 25 miles, disposal, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete removal and disposal of lead contaminated materials in accordance with EPA and local regulations. Where types of Lead are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. See CSI section 01 56 16 00-0042 for temporary stud walls, 01 74 19 00-0041 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0003 for plastic sheeting.

02 83 19 13-0001 Minimum Charge For Lead-Based Paint Remediation *(02 83 19 13)*

02 83 19 13-0002	EA	Lead-Based Paint Remediation Minimum Show Up Charge Note: For projects where the total lead-based paint remediation charge is less than the minimum charge, use task "Minimum Charge For Lead-Based Paint Remediation" exclusively. Task "Minimum Charge For Lead-Based Paint Remediation" should not be used in conjunction with any other tasks in this section. Includes air sample and personal air monitoring.	1,322.50

02 83 19 13-0003 Lead Sampling And Testing *(02 83 19 13)*

Note: Includes packaging of sample for shipping, shipping to testing lab, chain of custody documentation, analysis of sample, lab report, and sample disposal. Excludes sampling time.

02 83 19 13-0004	HR	Certified Lead Sampling Technician For Bulk Sampling Or Air Monitoring	100.03
02 83 19 13-0005	EA	X-Ray Fluorescence (XRF) Lead Testing Note: Including Technician, 3 Readings Per Surface And Lab Fee	74.96
02 83 19 13-0006	EA	5 Day Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee	71.76
02 83 19 13-0007	EA	48 Hour Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee	108.72
02 83 19 13-0008	EA	24 Hour Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee	152.21
02 83 19 13-0009	EA	5 Day Turnaround Total Threshold Leaching Concentration (TTLC) Lead Test And Lab Fee	28.27
02 83 19 13-0010	EA	24 Hour Turnaround Total Threshold Leaching Concentration (TTLC) Lead Test And Lab Fee	43.49
02 83 19 13-0011	EA	8 Hour Turnaround Total Threshold Leaching Concentration (TTLC) Lead Test And Lab Fee	54.36
02 83 19 13-0012	EA	5 Day Turnaround Soluble Threshold Limit Concentration (STLC) Lead Test And Lab Fee	71.76
02 83 19 13-0013	EA	3 Day Turnaround Soluble Threshold Limit Concentration (STLC) Lead Test And Lab Fee	108.72
02 83 19 13-0014	EA	5 Day Turnaround Lead Wipe Samples And Lab Fee	11.96
02 83 19 13-0015	EA	24 Hour Turnaround Lead Wipe Samples And Lab Fee	16.31
02 83 19 13-0016	EA	8 Hour Turnaround Lead Wipe Samples And Lab Fee	23.92
02 83 19 13-0017	EA	5 Day Turnaround Lead Bulk Samples And Lab Fee	11.96
02 83 19 13-0018	EA	24 Hour Turnaround Lead Bulk Samples And Lab Fee	16.31
02 83 19 13-0019	EA	8 Hour Turnaround Lead Bulk Samples And Lab Fee	23.92
02 83 19 13-0020	EA	5 Day Turnaround Lead Air Samples And Lab Fee	11.96
02 83 19 13-0021	EA	24 Hour Turnaround Lead Air Samples And Lab Fee	16.31
02 83 19 13-0022	EA	8 Hour Turnaround Lead Air Samples And Lab Fee	23.92
02 83 19 13-0023	EA	5 Day Turnaround Lead Water Test and Lab Fee	43.49
02 83 19 13-0024	EA	24 Hour Turnaround Lead Water Test and Lab Fee	65.23
02 83 19 13-0025	EA	8 Hour Turnaround Lead Water Test and Lab Fee	86.98
02 83 19 13-0026	EA	5 Day Turnaround Lead Paint Chip Test and Lab Fee	44.97
02 83 19 13-0027	EA	5 Day Turnaround Lead Soil Test and Lab Fee	89.95

02 83 19 13-0028 Scrape And Sand Lead Paint *(02 83 19 13)*

02 83 19 13-0029	SF	Hand Scrape Lead Paint From Concrete Or Masonry Surfaces	1.45
02 83 19 13-0030	SF	Scrape Lead Paint, Repair And Sand Severely Damaged Drywall Surfaces	1.50
02 83 19 13-0031	SF	Hand Scrape Lead Paint From Wood Surfaces	1.99
02 83 19 13-0032	SF	Hand Scraping And Sanding Lead Paint From Metal Surfaces	2.04

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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

02 83 19 13-0033 Chemical Stripping Of Lead Contaminated Material *(02 83 19 13)*

Note: Per 0.02" (20 mils) application. Manufacture recommended operating temperatures not to be below 50 degrees. Includes heat gun (where required) for follow up, waste handling, packing and all personnel blood work, lab test fees and monitoring. Industrial coatings often contain other hazardous ingredients in addition to or in place of lead. These might include, but are not be limited to, chromium, cadmium and mercury.

02 83 19 13-0034	SF	Balustrades, Chemical Stripping Of Lead Contaminated Material	38.30	
		For 0.025" (25 mil) Application, Add	*2.17*	
		For 0.03" (30 mil) Application, Add	*3.40*	
02 83 19 13-0035	SF	Balustrades, Ornate, Chemical Stripping Of Lead Contaminated Material	56.82	
		For 0.025" (25 mil) Application, Add	*3.09*	
		For 0.03" (30 mil) Application, Add	*4.79*	
02 83 19 13-0036	LF	Up To 6" Wide, Wood Trim, Chemical Stripping Of Lead Contaminated Material	16.44	
		For 0.025" (25 mil) Application, Add	*0.97*	
		For 0.03" (30 mil) Application, Add	*1.55*	
		For 0.125" (125 mil) Application, Add	*8.61*	
02 83 19 13-0037	LF	>6" To 12" Wide, Wood Trim, Chemical Stripping Of Lead Contaminated Material	33.60	
		For 0.025" (25 mil) Application, Add	*1.83*	
		For 0.03" (30 mil) Application, Add	*2.84*	
		For 0.125" (125 mil) Application, Add	*12.90*	
02 83 19 13-0038	SF	Cornice, Chemical Stripping Of Lead Contaminated Material	17.86	
		For 0.025" (25 mil) Application, Add	*1.14*	
		For 0.03" (30 mil) Application, Add	*1.87*	
02 83 19 13-0039	SF	Cornice, Ornate, Chemical Stripping Of Lead Contaminated Material	50.64	
		For 0.025" (25 mil) Application, Add	*2.78*	
		For 0.03" (30 mil) Application, Add	*4.33*	
02 83 19 13-0040	SF	Brick, Concrete Block, Concrete, Chemical Stripping Of Lead Contaminated Material	11.00	
		For 0.025" (25 mil) Application, Add	*0.75*	
		For 0.03" (30 mil) Application, Add	*1.25*	
		For 0.125" (125 mil) Application, Add	*8.75*	
02 83 19 13-0041	SF	Cabinets, Chemical Stripping Of Lead Contaminated Material	32.02	
		For 0.025" (25 mil) Application, Add	*1.80*	
		For 0.03" (30 mil) Application, Add	*2.83*	
02 83 19 13-0042	SF	Cabinets, Ornate, Chemical Stripping Of Lead Contaminated Material	40.81	
		For 0.025" (25 mil) Application, Add	*2.24*	
		For 0.03" (30 mil) Application, Add	*3.49*	
02 83 19 13-0043	SF	Plaster, Stucco and Drywall Surfaces, Chemical Stripping Of Lead Contaminated Material	15.18	
		For 0.025" (25 mil) Application, Add	*0.96*	
		For 0.03" (30 mil) Application, Add	*1.56*	
02 83 19 13-0044	SF	Columns, Chemical Stripping Of Lead Contaminated Material	14.58	
		For 0.025" (25 mil) Application, Add	*0.98*	
		For 0.03" (30 mil) Application, Add	*1.62*	
		For 0.125" (125 mil) Application, Add	*11.15*	
02 83 19 13-0045	SF	Flush Doors, One Side, Chemical Stripping Of Lead Contaminated Material	12.85	
		For 0.025" (25 mil) Application, Add	*0.84*	
		For 0.03" (30 mil) Application, Add	*1.39*	
02 83 19 13-0046	SF	Raised Panel Doors and Decorative Doors, Chemical Stripping Of Lead Contaminated Material	15.80	
		For 0.025" (25 mil) Application, Add	*0.99*	
		For 0.03" (30 mil) Application, Add	*1.61*	
02 83 19 13-0047	SF	Sectional Panel Or Roll-Up Doors, Chemical Stripping Of Lead Contaminated	23.29	
		For 0.025" (25 mil) Application, Add	*1.41*	
		For 0.03" (30 mil) Application, Add	*2.28*	
02 83 19 13-0048	EA	Electrical Devices, Chemical Stripping Of Lead Contaminated Material	66.64	
		For 0.025" (25 mil) Application, Add	*3.73*	
		For 0.03" (30 mil) Application, Add	*5.85*	
02 83 19 13-0049	LF	Door Frames, Chemical Stripping Of Lead Contaminated Material	16.51	
		For 0.025" (25 mil) Application, Add	*1.03*	
		For 0.03" (30 mil) Application, Add	*1.66*	
02 83 19 13-0050	SF	Wood Floors, Chemical Stripping Of Lead Contaminated Material	9.06	
		For 0.025" (25 mil) Application, Add	*0.65*	
		For 0.03" (30 mil) Application, Add	*1.10*	
02 83 19 13-0051	SF	HVAC Grilles, Chemical Stripping Of Lead Contaminated Material	34.22	
		For 0.025" (25 mil) Application, Add	*1.91*	
		For 0.03" (30 mil) Application, Add	*2.99*	
02 83 19 13-0052	SF	HVAC Grilles, Ornate, Chemical Stripping Of Lead Contaminated Material	40.81	
		For 0.025" (25 mil) Application, Add	*2.24*	
		For 0.03" (30 mil) Application, Add	*3.49*	
02 83 19 13-0053	EA	Hinges, Chemical Stripping Of Lead Contaminated Material	21.41	
		For 0.025" (25 mil) Application, Add	*1.37*	
		For 0.03" (30 mil) Application, Add	*2.24*	
02 83 19 13-0054	EA	Up To 6" Diameter Hangers, Chemical Stripping Of Lead Contaminated Material	26.38	
		For 0.025" (25 mil) Application, Add	*1.62*	
		For 0.03" (30 mil) Application, Add	*2.62*	
		For 0.125" (125 mil) Application, Add	*15.60*	
02 83 19 13-0055	LF	Up To 2" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	7.35	
		For 0.025" (25 mil) Application, Add	*0.52*	
		For 0.03" (30 mil) Application, Add	*0.87*	
		For 0.125" (125 mil) Application, Add	*6.34*	
02 83 19 13-0056	LF	>2" To 4" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	11.81	
		For 0.025" (25 mil) Application, Add	*0.74*	
		For 0.03" (30 mil) Application, Add	*1.20*	
		For 0.125" (125 mil) Application, Add	*7.45*	
02 83 19 13-0057	LF	>4" To 8" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	21.16	
		For 0.025" (25 mil) Application, Add	*1.31*	
		For 0.03" (30 mil) Application, Add	*2.12*	
		For 0.125" (125 mil) Application, Add	*12.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0058	LF	>8" To 12" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	29.00	
		For 0.025" (25 mil) Application, Add	*1.75*	
		For 0.03" (30 mil) Application, Add	*2.81*	
		For 0.125" (125 mil) Application, Add	*16.25*	
02 83 19 13-0059	LF	>12" To 16" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	52.01	
		For 0.025" (25 mil) Application, Add	*3.05*	
		For 0.03" (30 mil) Application, Add	*4.86*	
		For 0.125" (125 mil) Application, Add	*26.50*	
02 83 19 13-0060	SF	>16" Diameter Pipes, Chemical Stripping Of Lead Contaminated Material, SF Of Surface Area	15.54	
		For 0.025" (25 mil) Application, Add	*0.89*	
		For 0.03" (30 mil) Application, Add	*1.40*	
		For 0.125" (125 mil) Application, Add	*7.13*	
02 83 19 13-0061	EA	Up To 12 SF Radiators, Chemical Stripping Of Lead Contaminated Material	309.22	
		For 0.025" (25 mil) Application, Add	*16.91*	
		For 0.03" (30 mil) Application, Add	*26.28*	
02 83 19 13-0062	SF	Flat And Raised Panel Wood Shutters, Chemical Stripping Of Lead Contaminated Material	21.58	
		For 0.025" (25 mil) Application, Add	*1.64*	
		For 0.03" (30 mil) Application, Add	*2.82*	
02 83 19 13-0063	SF	Louvered Wood Shutters, Chemical Stripping Of Lead Contaminated Material	23.62	
		For 0.025" (25 mil) Application, Add	*1.75*	
		For 0.03" (30 mil) Application, Add	*2.97*	
02 83 19 13-0064	SF	Siding, Chemical Stripping Of Lead Contaminated Material	12.31	
		For 0.025" (25 mil) Application, Add	*0.87*	
		For 0.03" (30 mil) Application, Add	*1.45*	
		For 0.125" (125 mil) Application, Add	*10.58*	
02 83 19 13-0065	SF	Soffit, Chemical Stripping Of Lead Contaminated Material	25.89	
		For 0.025" (25 mil) Application, Add	*1.49*	
		For 0.03" (30 mil) Application, Add	*2.37*	
		For 0.125" (125 mil) Application, Add	*12.47*	
02 83 19 13-0066	SF	Flat Steel Surfaces, Chemical Stripping Of Lead Contaminated Material	11.89	
		For 0.025" (25 mil) Application, Add	*0.79*	
		For 0.03" (30 mil) Application, Add	*1.32*	
		For 0.125" (125 mil) Application, Add	*8.97*	
02 83 19 13-0067	SF	Corrugated Steel, Chemical Stripping Of Lead Contaminated Material	13.50	
		For 0.025" (25 mil) Application, Add	*0.88*	
		For 0.03" (30 mil) Application, Add	*1.44*	
		For 0.125" (125 mil) Application, Add	*9.38*	
02 83 19 13-0068	SF	Steel Beams and Columns, Chemical Stripping Of Lead Contaminated Material	13.46	
		For 0.025" (25 mil) Application, Add	*0.87*	
		For 0.03" (30 mil) Application, Add	*1.43*	
		For 0.125" (125 mil) Application, Add	*9.37*	
02 83 19 13-0069	SF	Steel Trusses, Chemical Stripping Of Lead Contaminated Material	19.09	
		For 0.025" (25 mil) Application, Add	*1.15*	
		For 0.03" (30 mil) Application, Add	*1.86*	
		For 0.125" (125 mil) Application, Add	*10.77*	
02 83 19 13-0070	SF	Wood Surfaces, Chemical Stripping Of Lead Contaminated Material	13.46	
		For 0.025" (25 mil) Application, Add	*0.87*	
		For 0.03" (30 mil) Application, Add	*1.43*	
		For 0.125" (125 mil) Application, Add	*9.37*	
02 83 19 13-0071	SF	Windows (Sash, Sill, Jambs, Casing Trim), One Side, 1/1 Light, Chemical Stripping Of Lead Contaminated Material	31.07	
		For 0.025" (25 mil) Application, Add	*1.75*	
		For 0.03" (30 mil) Application, Add	*2.76*	
02 83 19 13-0072	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 2/2 Light, Chemical Stripping Of Lead Contaminated Material	34.01	
		For 0.025" (25 mil) Application, Add	*1.90*	
		For 0.03" (30 mil) Application, Add	*2.98*	
02 83 19 13-0073	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 4/4 Light, Chemical Stripping Of Lead Contaminated Material	36.00	
		For 0.025" (25 mil) Application, Add	*2.00*	
		For 0.03" (30 mil) Application, Add	*3.13*	
02 83 19 13-0074	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 6/6 Light, Chemical Stripping Of Lead Contaminated Material	38.00	
		For 0.025" (25 mil) Application, Add	*2.10*	
		For 0.03" (30 mil) Application, Add	*3.28*	
02 83 19 13-0075	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 8/8 Light Chemical Stripping Of Lead Contaminated Material	39.98	
		For 0.025" (25 mil) Application, Add	*2.20*	
		For 0.03" (30 mil) Application, Add	*3.42*	
02 83 19 13-0076	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 10/10 Light, Chemical Stripping Of Lead Contaminated Material	42.05	
		For 0.025" (25 mil) Application, Add	*2.30*	
		For 0.03" (30 mil) Application, Add	*3.58*	
02 83 19 13-0077	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 12/12 light Chemical Stripping Of Lead Contaminated Material	43.98	
		For 0.025" (25 mil) Application, Add	*2.40*	
		For 0.03" (30 mil) Application, Add	*3.72*	
02 83 19 13-0078	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 14/14 Light, Chemical Stripping Of Lead Contaminated Material	44.98	
		For 0.025" (25 mil) Application, Add	*2.45*	
		For 0.03" (30 mil) Application, Add	*3.80*	
02 83 19 13-0079	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 16/16 Light Chemical Stripping Of Lead Contaminated Material	46.00	
		For 0.025" (25 mil) Application, Add	*2.50*	
		For 0.03" (30 mil) Application, Add	*3.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0080	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 20/20 Light, Chemical Stripping Of Lead Contaminated Material	46.96	
		For 0.025" (25 mil) Application, Add	*2.55*	
		For 0.03" (30 mil) Application, Add	*3.95*	
02 83 19 13-0081	SF	Metal Stairs, Chemical Stripping Of Lead Contaminated Material	62.03	
		For 0.025" (25 mil) Application, Add	*3.50*	
		For 0.03" (30 mil) Application, Add	*5.50*	
		For 0.125" (125 mil) Application, Add	*27.51*	
02 83 19 13-0082	LF	Metal Single Hand Rail, Chemical Stripping Of Lead Contaminated Material	10.75	
		For 0.025" (25 mil) Application, Add	*0.69*	
		For 0.03" (30 mil) Application, Add	*1.13*	
		For 0.125" (125 mil) Application, Add	*7.19*	
02 83 19 13-0083	SF	Metal Railing And Posts, Chemical Stripping Of Lead Contaminated Material	31.52	
		Note: The unit of measure "SF" is measured for 'Length x Height'. Work includes both sides of railing.		
		For 0.025" (25 mil) Application, Add	*1.88*	
		For 0.03" (30 mil) Application, Add	*3.00*	
		For 0.125" (125 mil) Application, Add	*16.88*	
02 83 19 13-0084	SF	Metal Picket Fence, Chemical Stripping Of Lead Contaminated Material	34.47	
		Note: The unit of measure "SF" is measured for 'Length x Height'. Work includes both sides of railing.		
		For 0.025" (25 mil) Application, Add	*1.97*	
		For 0.03" (30 mil) Application, Add	*3.12*	
		For 0.125" (125 mil) Application, Add	*16.12*	
02 83 19 13-0085	LF	2" Wide Paint From Concrete Or Asphalt Pavement, Chemical Stripping Of Lead Contaminated Material	3.17	
		For 0.025" (25 mil) Application, Add	*0.19*	
		For 0.03" (30 mil) Application, Add	*0.31*	
02 83 19 13-0086	LF	3" Wide Paint From Concrete Or Asphalt Pavement, Chemical Stripping Of Lead Contaminated Material	4.75	
		For 0.025" (25 mil) Application, Add	*0.29*	
		For 0.03" (30 mil) Application, Add	*0.46*	
02 83 19 13-0087	LF	4" Wide Paint From Concrete Or Asphalt Pavement, Chemical Stripping Of Lead Contaminated Material	5.50	
		For 0.025" (25 mil) Application, Add	*0.33*	
		For 0.03" (30 mil) Application, Add	*0.52*	
02 83 19 13-0088	LF	6" Wide Paint From Concrete Or Asphalt Pavement, Chemical Stripping Of Lead Contaminated Material	6.33	
		For 0.025" (25 mil) Application, Add	*0.38*	
		For 0.03" (30 mil) Application, Add	*0.62*	
02 83 19 13-0089	SF	Paint From Concrete Or Asphalt Pavement, Chemical Stripping Of Lead Contaminated Material	11.00	
		For 0.025" (25 mil) Application, Add	*0.75*	
		For 0.03" (30 mil) Application, Add	*1.25*	

02 83 19 13-0090 Demolish Lead Contaminated Material *(02 83 19 13)*

Note: Includes waste handling, packing, all personnel blood work, lab test fees and monitoring. Industrial coatings often contain other hazardous ingredients in addition to or in place of lead. These might include, but are not be limited to, chromium, cadmium and mercury.

02 83 19 13-0091	SF	Demolish Ceiling Suspension System, Lead Contaminated Material		2.73
02 83 19 13-0092	SF	Demolish Up To 100 SF Gypsum Wall Board, Lead Contaminated Material		8.01
02 83 19 13-0093	SF	Demolish >100 To 500 SF Gypsum Wall Board, Lead Contaminated Material		5.75
02 83 19 13-0094	SF	Demolish >500 To 2,500 SF Gypsum Wall Board, Lead Contaminated Material		4.50
02 83 19 13-0095	SF	Demolish >2,500 SF Gypsum Wall Board, Lead Contaminated Material		3.50
02 83 19 13-0096	SF	Demolish Up To 100 SF Plaster/Stucco, Lead Contaminated Material		25.01
		Note: Includes lath on plaster and backing insulation on stucco.		
02 83 19 13-0097	SF	Demolish >100 To 500 SF Plaster/Stucco, Lead Contaminated Material		17.78
		Note: Includes lath on plaster and backing insulation on stucco.		
02 83 19 13-0098	SF	Demolish >500 To 2,500 SF Plaster/Stucco, Lead Contaminated Material		13.33
		Note: Includes lath on plaster and backing insulation on stucco.		
02 83 19 13-0099	SF	Demolish >2,500 To 10,000 SF Plaster/Stucco, Lead Contaminated Material		10.00
		Note: Includes lath on plaster and backing insulation on stucco.		
02 83 19 13-0100	SF	Demolish Suspended Ceiling System And Tile, Lead Contaminated Material		1.59
02 83 19 13-0101	SF	Demolish Acoustical Ceiling Tile, Lead Contaminated Material		1.01
02 83 19 13-0102	SF	Demolish Metal Pan Grid System, Lead Contaminated Material		1.58
02 83 19 13-0103	EA	Demolish Ceiling And Recessed Light Fixtures, Lead Contaminated Material		76.17
02 83 19 13-0104	EA	Demolish >2' x 4' Light Fixtures, Lead Contaminated Material		101.04
02 83 19 13-0105	SF	Demolish Non-Load Bearing Partitions Of Plaster Or Stucco, Lath And Studs, Lead Contaminated Material		11.28
02 83 19 13-0106	SF	Demolish Non-Load Bearing Partitions Of Gypsum Board And Studs, Lead Contaminated Material		6.31
02 83 19 13-0107	SF	Demolish Brick, Lead Contaminated Material		4.76
02 83 19 13-0108	SF	Demolish Concrete Block, Lead Contaminated Material		6.13
02 83 19 13-0109	SF	Demolish Tile, Lead Contaminated Material		4.61
02 83 19 13-0110	SF	Demolish Up To 6" Concrete, Lead Contaminated Material		6.93
02 83 19 13-0111	IN	Drilling, Up To 1/2" Diameter In Lead Paint/Asbestos Material Per Inch Of Depth		5.40
02 83 19 13-0112	IN	Drilling, >1/2" To 1" Diameter In Lead Paint/Asbestos Material Per Inch Of Depth		7.18
02 83 19 13-0113	LF	Demolish Wood Balustrades And Railings, Lead Contaminated Material		7.90
02 83 19 13-0114	LF	Demolish Up To 6" Wide Baseboard, Lead Contaminated Material		2.06
02 83 19 13-0115	LF	Demolish >6" To 12" Wide Baseboard, Lead Contaminated Material		2.57
02 83 19 13-0116	LF	Demolish Base Shoe Molding, Lead Contaminated Material		1.67
02 83 19 13-0117	SF	Demolish Concrete, Lead Contaminated Material		15.71
02 83 19 13-0118	LF	Demolish Cabinets, Lead Contaminated Material		36.60
02 83 19 13-0119	SF	Demolish Ceilings, Gypsum Board, Lead Contaminated Material		2.07
02 83 19 13-0120	SF	Demolish Up To 12" Diameter Columns, Lead Contaminated Material		20.28
02 83 19 13-0121	SF	Demolish Cornice, Lead Contaminated Material		2.70
02 83 19 13-0122	EA	Demolish Doors, Lead Contaminated Material		79.39
02 83 19 13-0123	LF	Demolish Door And Window Wood Trim Or Wood Frames, Lead Contaminated Material		2.42
02 83 19 13-0124	EA	Demolish Electrical Devices, Lead Contaminated Material		24.36
02 83 19 13-0125	LF	Demolish Up To 1" Diameter Electrical Conduit, Lead Contaminated Material		3.13
02 83 19 13-0126	LF	Demolish >1" To 2" Diameter Electrical Conduit, Lead Contaminated Material		5.20
02 83 19 13-0127	SF	Demolish Wood Floors, Lead Contaminated Material		3.75

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0128	SF	Demolish Grilles, Lead Contaminated Material	4.41	
02 83 19 13-0129	EA	Demolish Hinges, Lead Contaminated Material	8.86	
02 83 19 13-0130	EA	Demolish Up To 6" Diameter Hangers, Lead Contaminated Material	19.03	
02 83 19 13-0131	LF	Demolish Up To 2" Diameter Pipes, Lead Contaminated Material	7.80	
02 83 19 13-0132	LF	Demolish >2" To 4" Diameter Pipes, Lead Contaminated Material	11.38	
02 83 19 13-0133	LF	Demolish >4" To 8" Diameter Pipes, Lead Contaminated Material	17.20	
02 83 19 13-0134	LF	Demolish >8" To 12" Diameter Pipes, Lead Contaminated Material	31.72	
02 83 19 13-0135	EA	Demolish Radiators, Lead Contaminated Material	137.02	
02 83 19 13-0136	EA	Demolish Shutters, Lead Contaminated Material	53.40	
02 83 19 13-0137	SF	Demolish Siding, Lead Contaminated Material	2.12	
02 83 19 13-0138	SF	Demolish Soffit, Lead Contaminated Material	1.81	
02 83 19 13-0139	SF	Demolish Flat Steel Surfaces, Lead Contaminated Material	4.94	
02 83 19 13-0140	SF	Demolish Steel Beams, Lead Contaminated Material	5.81	
02 83 19 13-0141	SF	Demolish Trusses, Lead Contaminated Material	7.63	
02 83 19 13-0142	SF	Demolish Walls, Wood, Lead Contaminated Material	5.64	
02 83 19 13-0143	SF	Demolish Windows, Lead Contaminated Material	18.96	
02 83 19 13-0144	SF	Demolish Metal Stair, Lead Contaminated Material	9.08	
02 83 19 13-0145	LF	Demolish Single Metal Hand Rail, Lead Contaminated Material	6.67	
02 83 19 13-0146	LF	Demolish Metal Railing And Posts, Lead Contaminated Material	10.89	
02 83 19 13-0147	SF	Demolish Metal Picket Fence, Lead Contaminated Material	2.99	
02 83 19 13-0148	SF	Demolish Plywood, Lead Contaminated Material	8.20	
02 83 19 13-0149	SF	Demolish Planks (Various Sizes), Lead Contaminated Material	4.00	
02 83 19 13-0150	EA	Demolish Metal Brackets Or Other Small Metal Shapes, Lead Contaminated Material	25.01	
02 83 19 13-0151	SF	Demolish Ceramic Tile Block, Lead Contaminated Material	5.45	
02 83 19 13-0152	LF	Demolish Metal Guard Rails, Lead Contaminated Material	15.00	
02 83 19 13-0153	LF	Demolish Roof Metal Trim, Lead Contaminated Material	3.20	
02 83 19 13-0154	LF	Demolish Rain Gutters, Lead Contaminated Material	5.51	
02 83 19 13-0155	LF	Demolish Downspouts, Lead Contaminated Material	4.50	
02 83 19 13-0156	SF	Demolish Corrugated Metal Roofing, Lead Contaminated Material	5.55	
02 83 19 13-0157	LF	Demolish Roof Metal Flashing, Lead Contaminated Material	3.20	
02 83 19 13-0158	LF	Demolish Fascia Board Up To 12", Lead Contaminated Material	8.01	
02 83 19 13-0159		**Wet Sanding/Light Scraping Of Lead Contaminated Material** *(02 83 19 13)* Note: Remove loose, flaking lead-based paint to prepare for painting.		
02 83 19 13-0160	SF	Wet Sand/Scrape Of Lead Contaminated Material To Prepare For Painting	3.81	
02 83 19 13-0161		**Mechanical Stripping Of Lead Contaminated Material** *(02 83 19 13)* Note: Includes heat gun (where required) for follow up, waste handling, packing and all personnel blood work, lab test fees and monitoring.		
02 83 19 13-0162	SF	Grind Flat Steel Surfaces, Mechanical Stripping Of Lead Contaminated Material	21.01	
02 83 19 13-0163		**Lead Abatement Encapsulation** *(02 83 19 13)* Note: Can also be used for asbestos contaminated encapsulation. Spray applied application unless task described otherwise.		
02 83 19 13-0164	SF	Balustrades, Lead Abatement Encapsulation	6.90	
02 83 19 13-0165	LF	Up To 6" Wide, Baseboard, Lead Abatement Encapsulation	6.84	
02 83 19 13-0166	LF	>6" To 12" Wide, Baseboard, Lead Abatement Encapsulation	9.28	
02 83 19 13-0167	SF	Brick, Concrete Block, Concrete, Lead Abatement Encapsulation	4.43	
02 83 19 13-0168	SF	Ornate Cabinets, Lead Abatement Encapsulation	9.98	
02 83 19 13-0169	SF	Simple Design Cabinets, Lead Abatement Encapsulation	8.13	
02 83 19 13-0170	SF	Drywall Ceilings, Lead Abatement Encapsulation	2.77	
02 83 19 13-0171	SF	Wood Ceilings, Lead Abatement Encapsulation	3.37	
02 83 19 13-0172	SF	Acoustical And Popcorn Ceilings, Lead Abatement Encapsulation	3.12	
02 83 19 13-0173	SF	Columns, Lead Abatement Encapsulation	5.35	
02 83 19 13-0174	SF	Doors, Lead Abatement Encapsulation	10.22	
02 83 19 13-0175	LF	Up To 2" Electrical Conduit, Lead Abatement Encapsulation	4.51	
02 83 19 13-0176	SF	Picket Fence (Brush), Lead Abatement Encapsulation	3.19	
02 83 19 13-0177	SF	Wood Floors (Roller), Lead Abatement Encapsulation	2.66	
02 83 19 13-0178	SF	Grilles, Vents, Lead Abatement Encapsulation	7.43	
02 83 19 13-0179	LF	Gutters And Downspouts, Lead Abatement Encapsulation	6.90	
02 83 19 13-0180	EA	Hangers, Lead Abatement Encapsulation	58.82	
02 83 19 13-0181	LF	Up To 4" Diameter Pipe (Brush), Lead Abatement Encapsulation	4.19	
02 83 19 13-0182	LF	>4" To 8" Diameter Pipe (Brush), Lead Abatement Encapsulation	6.02	
02 83 19 13-0183	LF	>8" To 12" Diameter Pipe (Brush), Lead Abatement Encapsulation	9.32	
02 83 19 13-0184	LF	>12" To 16" Diameter Pipe (Brush), Lead Abatement Encapsulation	13.76	
02 83 19 13-0185	EA	Radiators, Lead Abatement Encapsulation	151.58	
02 83 19 13-0186	EA	Up To 6' Shutters, Lead Abatement Encapsulation	217.29	
02 83 19 13-0187	SF	Siding, Lead Abatement Encapsulation	3.81	
02 83 19 13-0188	SF	Up To 12" Soffit, Lead Abatement Encapsulation	5.35	
02 83 19 13-0189	SF	Steel, Flat Surfaces And Tanks Up To 12', Lead Abatement Encapsulation	4.43	
02 83 19 13-0190	SF	Steel Beams And Metal Decks, Lead Abatement Encapsulation	5.79	
02 83 19 13-0191	SF	Trusses, Lead Abatement Encapsulation	5.79	
02 83 19 13-0192	SF	Drywall Walls, Lead Abatement Encapsulation	2.47	
02 83 19 13-0193	SF	Wood Walls, Lead Abatement Encapsulation	3.03	
02 83 19 13-0194	EA	Window Without Grille, Lead Abatement Encapsulation	128.28	
02 83 19 13-0195	EA	Window With Grille, Lead Abatement Encapsulation	164.99	
02 83 19 13-0196	LF	Wood Door Frames And Trim, Lead Abatement Encapsulation	3.95	
02 83 19 13-0197	LF	Steel Lintels, Lead Abatement Encapsulation	4.53	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0198	LF	Wood Fascia Boards, Lead Abatement Encapsulation	12.04	
02 83 19 13-0199	SF	Wood Eaves, Lead Abatement Encapsulation	12.04	
02 83 19 13-0200	LF	Wood Window Sill, Lead Abatement Encapsulation	3.61	
02 83 19 13-0201	LF	Wood Window Sash, Lead Abatement Encapsulation	4.64	
02 83 19 13-0202	LF	Wood Window Jamb And Trim, Lead Abatement Encapsulation	6.49	
02 83 19 13-0203	LF	Wood Doorway Threshold, Lead Abatement Encapsulation	4.34	
02 83 19 13-0204	LF	Up To 6" Wide, Crown Molding (Simple), Lead Abatement Encapsulation	6.84	
02 83 19 13-0205	LF	>6" To 12" Wide, Crown Molding (Simple), Lead Abatement Encapsulation	9.28	
02 83 19 13-0206	LF	Up To 6" Wide, Crown Molding (Ornate), Lead Abatement Encapsulation	8.49	
02 83 19 13-0207	LF	>6" To 12" Wide, Crown Molding (Ornate), Lead Abatement Encapsulation	11.48	
02 83 19 13-0208		Removal By Heat Gun Of Lead Contaminated Material *(02 83 19 13)*		
		Note: Remove of multi-layers of paint down to substrate		
02 83 19 13-0209	SF	Scrape And Removal Per Layer Of Multi-layers Of Paint With Heat Gun	7.41	

02 83 33 Removal and Disposal of Material Containing Lead *(02 83)*

02 83 33 13 Lead-Based Paint Removal and Disposal *(02 83 33)*

02 83 33 13-0001		Remove Loose Dirt And Debris Containing Lead *(02 83 33 13)*		
02 83 33 13-0002	SF	High Efficiency Particulate Air (HEPA) Vacuum And Wet Cleaning Of Lead Contaminated Area With Mild Detergent	0.33	
02 83 33 13-0003	SF	High Efficiency Particulate Air (HEPA) Vacuum And Wet Cleaning Of Lead Contaminated Area With Tri-Sodium Phosphate	0.31	
02 83 33 13-0004	SF	High Efficiency Particulate Air (HEPA) Vacuum And Shampoo Cleaning Of Lead Contaminated Carpeting	1.58	

02 84 Polychlorinated Biphenyl Remediation *(02 80)*

02 84 16 Handling of Lighting Ballasts and Lamps Containing PCBs and Mercury *(02 84)*

02 84 16 00-0001		Removal Of TSCA-Exempt PCB And Non-PCB Ballasts From Demolished Fixtures *(02 84 16)*		
		Note: Includes removal of TSCA-exempt PCB and Non-PCB ballast from demolished lighting fixture and placing ballast in an approved container for recycling.		
02 84 16 00-0002	EA	Removal Of TSCA-Exempt Polychlorinated Biphenyl (PCB) And Non-PCB Ballast From A Demolished Fixture For Recycling	10.10	
02 84 16 00-0003		Recycle TSCA-Exempt PCB And Non-PCB Ballasts *(02 84 16)*		
		Note: Non-leaking ballasts. Includes containers, shipping costs and recycling fees. Excludes ballast removal.		
02 84 16 00-0004	EA	Recycle Non-Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures	3.31	
02 84 16 00-0005	EA	Recycle Non-Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures	4.21	
02 84 16 00-0006	EA	Recycle TSCA-Exempt Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures	9.96	
02 84 16 00-0007	EA	Recycle TSCA-Exempt Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures	20.84	
02 84 16 00-0008		Disposal Of Leaking PCB And Non-PCB Ballasts *(02 84 16)*		
		Note: Disposal at an EPA approved facility. Includes containers, shipping costs and disposal fees. Excludes ballast removal.		
02 84 16 00-0009	EA	Dispose Of Leaking Non-Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures	6.03	
02 84 16 00-0010	EA	Dispose Of Leaking Non-Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures	8.30	
02 84 16 00-0011	EA	Dispose Of Leaking Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures	25.59	
02 84 16 00-0012	EA	Dispose Of Leaking Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures	49.70	

02 84 33 Removal and Disposal of Polychlorinated Biphenyls *(02 84)*

02 84 33 00-0001		Removal And Disposal Of Polychlorinated Biphenyls Oil Filled Transformers *(02 84 33)*		
		Note: Includes disposal in approved container, rigging, manifesting, hauling, etc.		
02 84 33 00-0002	EA	Removal And Disposal Of Transformers 2.5/3.5 KVA, Non-Polychlorinated Biphenyl (PCB)	4,584.80	
		Note: Includes disposal costs.		
02 84 33 00-0003	EA	Removal And Disposal Of Transformers 20 KVA, Non-Polychlorinated Biphenyl (PCB)	7,220.46	
		Note: Includes disposal costs.		
02 84 33 00-0004	EA	Removal And Disposal Of Switch, Non-Polychlorinated Biphenyl (PCB)	1,940.28	
02 84 33 00-0005	EA	Removal And Disposal Of Transformers 2.5/3.5 KVA, Polychlorinated Biphenyl (PCB)	8,737.62	
		Note: Includes disposal costs.		
02 84 33 00-0006	EA	Removal And Disposal Of Switch, Polychlorinated Biphenyl (PCB)	3,468.63	
02 84 33 00-0007	EA	Removal And Disposal Of Transformers 20 KVA, Polychlorinated Biphenyl (PCB)	13,807.31	
		Note: Includes disposal costs.		

02 86 Hazardous Waste Drum Handling *(02 80)*

02 86 00 00-0001		Hazardous Waste Packaging *(02 86)*		
02 86 00 00-0002		Overpacks *(02 86 00 00-0001)*		
02 86 00 00-0003		Steel Salvage Drums, 16 Gauge *(02 86 00 00-0002)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 86 00 00-0004	EA	110 Gallon, 30" Diameter X 41" High	575.29	
02 86 00 00-0005	EA	85 Gallon, 26" Diameter X 38" High	327.47	
02 86 00 00-0006	EA	83 Gallon, 26" Diameter X 36" High	316.06	
02 86 00 00-0007	EA	55 Gallon, DOT 17C, 18" Diameter X 34" High	197.74	
02 86 00 00-0008	EA	30 Gallon, DOT 17C, 18" Diameter X 28" High	155.77	
02 86 00 00-0009	EA	22 Gallon, 16" Diameter X 25" High	104.95	
02 86 00 00-0010	EA	15 Gallon, DOT 17C, 14" Diameter X 24" High	94.89	
02 86 00 00-0011	EA	10 Gallon, 13.8" Diameter X 15" High	83.62	
02 86 00 00-0012		**Polyethylene Overpacks** *(02 86 00 00-0002)*		
02 86 00 00-0013	EA	95 Gallon, DOT E9618, Twist On Lid 31" Diameter X 41" High	649.82	
02 86 00 00-0014	EA	20 Gallon, Labpack, Twist On Lid 21" Diameter X 7.5" High	120.09	
02 86 00 00-0015	EA	85 Gallon, DOT E9775, Clamp Ring Lid, 27" Diameter X 41" High	588.01	
02 86 00 00-0016		**Composite Overpacks** *(02 86 00 00-0002)*		
02 86 00 00-0017	EA	55 Gal, DOT 17C, Steel Drum Nested With 2-20 Gallon Fiber Drums	319.09	
02 86 00 00-0018	EA	55 Gal, DOT 17C, Steel Drum Nested With 4-10 Gallon Fiber Drums	437.87	
02 86 00 00-0019	EA	85 Gal, 16 Gauge Salvage Drum Nested With 3-20 Gallon Fiber Drums	593.92	
02 86 00 00-0020		**DOT E-9168 Exempt Packaging** *(02 86 00 00-0002)*		
02 86 00 00-0021	EA	32 Oz Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168	49.65	
02 86 00 00-0022	EA	950 cc Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168	52.38	
02 86 00 00-0023	EA	500 cc Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168	51.21	
02 86 00 00-0024	EA	250 cc Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168	25.36	
02 86 00 00-0025	EA	Can, Carton, Insert, Tape - Corrosive And Flammable - UPS	17.10	
02 86 00 00-0026	EA	16 Oz Bottle, Carton, Insert And Tape, Sludge/Viscous, UPS	9.43	
02 86 00 00-0027	EA	32 Oz Bottle, Carton, Insert And Tape, Sludge/Viscous, UPS	12.26	
02 86 00 00-0028		**Steel Drums** *(02 86 00 00-0001)*		
02 86 00 00-0029		**UN Rated Steel Drums** *(02 86 00 00-0028)*		
02 86 00 00-0030	EA	UN 1A2/X 320/S 55 Gallon, Open, 16 Gauge, Steel Drum	157.80	
02 86 00 00-0031	EA	55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (10-24)	1,113.58	
02 86 00 00-0032	EA	55 Gallon Reconditioned Steel 17h Drum (50+)	104.81	
02 86 00 00-0033	EA	8 Gallon, 17C, Open, Steel Drum	107.14	
02 86 00 00-0034	EA	55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (25-49)	1,380.00	
02 86 00 00-0035	EA	55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (50+)	1,308.15	
02 86 00 00-0036	EA	55 Gallon Stainless Steel DOT 5C Ch Seamless Drum 16-Gauge (10-24)	1,598.52	
02 86 00 00-0037	EA	55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (25-49)	1,092.62	
02 86 00 00-0038	EA	UN 1A2/X 320/S 55 Gallon, Closed, 16 Gauge, Steel Drum	149.14	
02 86 00 00-0039	EA	UN 1A2/Y 1.4/100 55 Gallon, Open, 16 Gauge, Steel Drum	120.93	
02 86 00 00-0040	EA	55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (50+)	984.86	
02 86 00 00-0041	EA	55 Gallon Stainless Steel DOT 5C Ch Seamless Drum 16-Gauge (25-49)	1,568.59	
02 86 00 00-0042	EA	55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (1-9)	1,445.85	
02 86 00 00-0043	EA	55 Gallon Stainless Steel DOT 5C Ch Seamless Drum 16-Gauge (50+)	1,412.93	
02 86 00 00-0044	EA	55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (10-24)	1,418.91	
02 86 00 00-0045	EA	UN 1A2/Y 1.4/100 55 Gallon, Closed, 16 Gauge, Steel Drum	95.30	
02 86 00 00-0046	EA	30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (1-9)	927.98	
02 86 00 00-0047	EA	UN 1A2/X 160/S 30 Gallon, Open, 18 Gauge, Steel Drum	110.48	
02 86 00 00-0048	EA	55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (1-9)	1,508.72	
02 86 00 00-0049	EA	30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (10-24)	892.06	
02 86 00 00-0050	EA	55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (25-49)	1,278.22	
02 86 00 00-0051	EA	30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (25-49)	853.14	
02 86 00 00-0052	EA	55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (10-24)	1,472.80	
02 86 00 00-0053	EA	UN 1A2/Y 1.4/100 30 Gallon, Open, 18 Gauge, Steel Drum	93.90	
02 86 00 00-0054	EA	55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (50+)	1,212.36	
02 86 00 00-0055	EA	55 Gallon Reconditioned Steel 17h Drum (1-9)	153.72	
02 86 00 00-0056	EA	30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (50+)	823.21	
02 86 00 00-0057	EA	55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (25-49)	1,445.85	
02 86 00 00-0058	EA	30 Gallon, 17E, Open, Steel Drum	68.13	
02 86 00 00-0059	EA	55 Gallon Reconditioned Steel 17h Drum (10-24)	136.25	
02 86 00 00-0060	EA	20 Gallon, 17C, Open, Steel Drum	95.75	
02 86 00 00-0061	EA	55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (50+)	1,302.17	
02 86 00 00-0062	EA	55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (1-9)	1,559.61	
02 86 00 00-0063	EA	55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (1-9)	1,140.52	
02 86 00 00-0064	EA	55 Gallon Reconditioned Steel 17h Drum (25-49)	118.78	
02 86 00 00-0065	EA	20 Gallon, 17E, Open, Steel Drum	64.44	
02 86 00 00-0066	EA	55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (10-24)	1,529.67	
02 86 00 00-0067		**Plastic Drums** *(02 86 00 00-0001)*		
02 86 00 00-0068		**Polyethylene Closed Head Drums** *(02 86 00 00-0067)*		
		Note: Closed head drums have standard NPS (National Pipe Standard) plug and drain vents. Primarily for liquids.		
02 86 00 00-0069	EA	55 Gallon Polyethylene Closed Head Drums	99.06	
02 86 00 00-0070	EA	35 Gallon Polyethylene Closed Head Drums	76.04	
02 86 00 00-0071	EA	30 Gallon Polyethylene Closed Head Drums	69.05	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 86 00 00-0072	EA	20 Gallon Polyethylene Closed Head Drums	48.24	
02 86 00 00-0073	EA	15 Gallon Polyethylene Closed Head Drums	47.32	
02 86 00 00-0074		Polyethylene Open Head Drums *(02 86 00 00-0067)*		
		Note: Open head drums are primarily used for solids and sludge.		
02 86 00 00-0075	EA	55 Gallon Polyethylene Open Head Drums	125.21	
02 86 00 00-0076	EA	35 Gallon Polyethylene Open Head Drums	92.06	
02 86 00 00-0077	EA	30 Gallon Polyethylene Open Head Drums	87.46	
02 86 00 00-0078	EA	20 Gallon Polyethylene Open Head Drums	64.44	
02 86 00 00-0079	EA	15 Gallon Polyethylene Open Head Drums	55.24	
02 86 00 00-0080		Fiber Drums *(02 86 00 00-0001)*		
02 86 00 00-0081		Steel Top/Fiber Bottom Drums, Hazardous *(02 86 00 00-0080)*		
		Note: Waste fiber drums have tubular rubber gaskets and caulked bottom seams.		
02 86 00 00-0082	EA	30 Gallon Fiber Drum DOT-21C (1-9)	75.86	
02 86 00 00-0083	EA	30 Gallon Fiber Drum DOT-21C (10-24)	71.07	
02 86 00 00-0084	EA	30 Gallon Fiber Drum DOT-21C (25-49)	64.81	
02 86 00 00-0085	EA	30 Gallon Fiber Drum DOT-21C (50+)	64.08	
02 86 00 00-0086	EA	55 Gallon Fiber Drum DOT-21C (1-9)	78.07	
02 86 00 00-0087	EA	55 Gallon Fiber Drum DOT-21C (10-24)	73.65	
02 86 00 00-0088	EA	55 Gallon Fiber Drum DOT-21C (25-49)	68.13	
02 86 00 00-0089	EA	55 Gallon Fiber Drum DOT-21C (50-99)	65.92	
02 86 00 00-0090	EA	55 Gallon Fiber Drum DOT-21C (100+)	57.08	
02 86 00 00-0091	EA	10 Gallon, 20" Diameter, DOT 21C-250 Polyethylene/Polyester Lined	48.61	
02 86 00 00-0092	EA	20 Gallon, 20" Diameter, DOT 21C-250 Polyethylene/Polyester Lined	53.03	
02 86 00 00-0093	EA	20 Gallon, 23" Diameter, DOT 21C-250 Polyethylene/Polyester Lined	61.87	
02 86 00 00-0094		Loading Hazardous Waste For Shipment *(02 86 00 00-0001)*		
02 86 00 00-0095	EA	Load Drums On Disposal Truck	12.11	
02 86 00 00-0096	EA	Load Liquid Or Sludge Into 5,000 Gallon Bulk Tank Truck	1,272.01	
02 86 00 00-0097		Transport Drums To Landfill *(02 86 00 00-0001)*		
		Note: Includes transportation for up to 25 miles.		
02 86 00 00-0098	EA	Transport Drum To Landfill	102.29	
		Note: Includes transportation for up to 25 miles.		

02 87 Bio-Hazard Material Remediation *(02 80)*

02 87 13 Mold Remediation *(02 87)*

Note: All unit pricing in this section includes: materials, equipment, mobilization, preparation, removal, clean-up, vacuuming, transportation for up to 25 miles, disposal, monitoring (personnel and air), sampling/testing, fees, documentation and other associated costs necessary for the complete removal and disposal of mold in accordance with EPA, OSHA, IICRC standards and local regulations. Where types of Mold are listed by quantity, the quantity of the entire project, not a particular work area of building, is to be used in determining which tasks apply. For certain types of work, there is a task with a unit of measure of SET for a quantity of less than 100 LF or SF (Up to 25 LF for Mold Abatement pipe insulation), followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project. See CSI section 01 56 16 00-0042 for temporary stud walls, 01 74 19 00-0041 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0003 for plastic sheeting for containment construction, 02 89 00 00-0015 for decontamination chambers.

02 87 13 33 Removal and Disposal of Materials with Mold *(02 87 13)*

02 87 13 33-0001		Pipe And Pipe Fittings Insulation, Mold Abatement And Disposal *(02 87 13 33)*		
		Note: Treat fittings as additional lf of insulation.		
02 87 13 33-0002		Pipe Insulation, Mold Abatement And Disposal *(02 87 13 33-0001)*		
		Note: Diameter is outer size of insulation.		
02 87 13 33-0003		Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal *(02 87 13 33-0002)*		
		Note: Excludes encased fittings.		
02 87 13 33-0004	SET	Up To 20 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	896.60	
02 87 13 33-0005	LF	>20 To 250 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	34.79	
02 87 13 33-0006	LF	>250 To 500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	26.22	
02 87 13 33-0007	LF	>500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	19.80	
02 87 13 33-0008	LF	>2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	14.98	
02 87 13 33-0009	LF	>10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	13.10	
02 87 13 33-0010		>6" Diameter Pipe Insulation, Mold Abatement And Disposal *(02 87 13 33-0002)*		
02 87 13 33-0011	SET	Up To 20 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	928.64	
02 87 13 33-0012	LF	>20 To 250 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	41.53	
02 87 13 33-0013	LF	>250 To 500 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	31.69	
02 87 13 33-0014	LF	>500 To 2,500 LF, > 6" Diameter Pipe Insulation, Mold Abatement And Disposal	24.30	
02 87 13 33-0015	LF	>2,500 To 10,000 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	18.76	
02 87 13 33-0016	LF	>10,000 LF, > 6" Diameter Pipe Insulation, Mold Abatement And Disposal	16.59	
02 87 13 33-0017		Thermal Insulation, Mold Abatement And Disposal *(02 87 13 33)*		

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 13 33-0018		Other Thermal Insulation, Up To 3" Thick, Mold Abatement And Disposal *(02 87 13 33-0017)*		
02 87 13 33-0019	SET	Up To 50 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	912.62	
02 87 13 33-0020	SF	>50 To 500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	20.21	
02 87 13 33-0021	SF	>500 To 2,500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	15.30	
02 87 13 33-0022	SF	>2,500 To 10,000 SF, Up To 3" Thick Other Thermal Insulation, Mold Abatement And Disposal	11.61	
02 87 13 33-0023	SF	>10,000 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	9.02	
02 87 13 33-0024		Surfacing Material, Mold Abatement And Disposal *(02 87 13 33)*		
		Note: e.g. fireproofing, acoustical plaster, etc.		
02 87 13 33-0025		Stucco, Mold Abatement And Disposal *(02 87 13 33-0024)*		
		Note: Remove surface coat from brown coat or remove entire assembly, including lath.		
02 87 13 33-0026	SET	Up To 50 SF, Stucco, Mold Abatement And Disposal	903.72	
02 87 13 33-0027	SF	>50 To 500 SF, Stucco, Mold Abatement And Disposal	20.04	
02 87 13 33-0028	SF	>500 To 2,500 SF, Stucco, Mold Abatement And Disposal	15.13	
02 87 13 33-0029	SF	>2,500 To 10,000 SF, Stucco, Mold Abatement And Disposal	11.44	
02 87 13 33-0030	SF	>10,000 SF, Stucco, Mold Abatement And Disposal	8.69	
02 87 13 33-0031		Acoustical Plaster, Mold Abatement And Disposal *(02 87 13 33-0024)*		
		Note: Remove surface coat from brown coat or remove entire assembly, including lath.		
02 87 13 33-0032	SET	Up To 50 SF, Acoustical Plaster, Mold Abatement And Disposal	903.72	
02 87 13 33-0033	SF	>50 To 500 SF, Acoustical Plaster, Mold Abatement And Disposal	20.04	
02 87 13 33-0034	SF	>500 To 2,500 SF, Acoustical Plaster, Mold Abatement And Disposal	15.13	
02 87 13 33-0035	SF	>2,500 To 10,000 SF, Acoustical Plaster, Mold Abatement And Disposal	11.44	
02 87 13 33-0036	SF	>10,000 SF, Acoustical Plaster, Mold Abatement And Disposal	8.69	
02 87 13 33-0037		Gypsum Board, Mold Abatement And Disposal *(02 87 13 33-0024)*		
02 87 13 33-0038	SET	Up To 100 SF, Gypsum Board, Mold Abatement And Disposal	921.53	
02 87 13 33-0039	SF	>100 To 500 SF, Gypsum Board, Mold Abatement And Disposal	6.72	
02 87 13 33-0040	SF	>500 To 2,500 SF, Gypsum Board, Mold Abatement And Disposal	5.34	
02 87 13 33-0041	SF	>2,500 To 10,000 SF, Gypsum Board, Mold Abatement And Disposal	4.23	
02 87 13 33-0042	SF	>10,000 SF, Gypsum Board, Mold Abatement And Disposal	3.13	
02 87 13 33-0043		Fireproofing, Mold Abatement And Disposal *(02 87 13 33-0024)*		
		Note: Exposed surface area, includes associated overspray.		
02 87 13 33-0044	SET	Up To 50 SF, Fireproofing, Mold Abatement And Disposal	912.62	
02 87 13 33-0045	SF	>50 To 500 SF, Fireproofing, Mold Abatement And Disposal	27.66	
02 87 13 33-0046	SF	>500 To 2,500 SF, Fireproofing, Mold Abatement And Disposal	20.91	
02 87 13 33-0047	SF	>2,500 To 10,000 SF, Fireproofing, Mold Abatement And Disposal	15.81	
02 87 13 33-0048	SF	>10,000 SF, Fireproofing, Mold Abatement And Disposal	11.99	
02 87 13 33-0049		Flooring, Mold Abatement And Disposal *(02 87 13 33)*		
		Note: Includes cove base.		
02 87 13 33-0050		Floor Tile Or Linoleum, Mold Abatement And Disposal *(02 87 13 33-0049)*		
02 87 13 33-0051		Floor Tile Or Linoleum, Mold Abatement And Disposal *(02 87 13 33-0050)*		
		Note: Single layer or first of multiple layers.		
02 87 13 33-0052	SET	Up To 100 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	921.53	
02 87 13 33-0053	SF	>100 To 500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	6.69	
		For Each Additional Layer, Add	*1.67*	
02 87 13 33-0054	SF	>500 To 2,500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	3.76	
		For Each Additional Layer, Add	*0.94*	
02 87 13 33-0055	SF	>2,500 To 10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	2.20	
		For Each Additional Layer, Add	*0.55*	
02 87 13 33-0056	SF	>10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	1.72	
		For Each Additional Layer, Add	*0.43*	
02 87 13 33-0057		Carpet, Mold Abatement And Disposal *(02 87 13 33-0049)*		
02 87 13 33-0058		Carpet, Glue Down, Mold Abatement And Disposal *(02 87 13 33-0057)*		
02 87 13 33-0059	SET	Up To 100 SF, Carpet, Glue Down, Mold Abatement And Disposal	921.53	
02 87 13 33-0060	SF	>100 To 500 SF, Carpet, Glue Down, Mold Abatement And Disposal	5.57	
02 87 13 33-0061	SF	>500 To 2,500 SF, Carpet, Glue Down, Mold Abatement And Disposal	3.52	
02 87 13 33-0062	SF	>2,500 To 10,000 SF, Carpet, Glue Down, Mold Abatement And Disposal	2.37	
02 87 13 33-0063	SF	>10,000 SF, Carpet, Glue Down, Mold Abatement And Disposal	1.84	
02 87 13 33-0064		Carpet, Padded With Tack Strips, Mold Abatement And Disposal *(02 87 13 33-0057)*		
02 87 13 33-0065	SET	Up To 100 SF, Carpet And Pad, Mold Abatement And Disposal	921.53	
		Note: Includes tack strips.		
02 87 13 33-0066	SF	>100 To 500 SF, Carpet And Pad, Mold Abatement And Disposal	6.27	
		Note: Includes tack strips.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 13 33-0067	SF	>500 To 2,500 SF, Carpet And Pad, Mold Abatement And Disposal Note: Includes tack strips.	4.57	
02 87 13 33-0068	SF	>2,500 To 10,000 SF, Carpet And Pad, Mold Abatement And Disposal Note: Includes tack strips.	3.64	
02 87 13 33-0069	SF	>10,000 SF, Carpet And Pad, Mold Abatement And Disposal Note: Includes tack strips.	2.82	
02 87 13 33-0070		**Subflooring, Mold Abatement And Disposal** *(02 87 13 33-0049)*		
02 87 13 33-0071	SET	Up To 75 SF, Subflooring, Mold Abatement And Disposal	912.62	
02 87 13 33-0072	SF	>75 To 500 SF, Subflooring, Mold Abatement And Disposal	7.69	
02 87 13 33-0073	SF	>500 To 2,500 SF, Subflooring, Mold Abatement And Disposal	4.94	
02 87 13 33-0074	SF	>2,500 To 10,000 SF, Subflooring, Mold Abatement And Disposal	3.01	
02 87 13 33-0075	SF	>10,000 SF, Subflooring, Mold Abatement And Disposal	1.95	
02 87 13 33-0076		**Siding, Mold Abatement And Disposal** *(02 87 13 33)*		
02 87 13 33-0077		**Interior Paneling, Mold Abatement And Disposal** *(02 87 13 33-0076)* Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0078	SET	Up To 100 SF, Interior Paneling, Mold Abatement And Disposal Note: Includes detachment of mounted objects before removal.	921.53	
02 87 13 33-0079	SF	>100 To 500 SF, Interior Paneling, Mold Abatement And Disposal Note: Includes detachment of mounted objects before removal.	6.67	
02 87 13 33-0080	SF	>500 To 2,500 SF, Interior Paneling, Mold Abatement And Disposal Note: Includes detachment of mounted objects before removal.	4.70	
02 87 13 33-0081	SF	>2,500 To 10,000 SF, Interior Paneling, Mold Abatement And Disposal Note: Includes detachment of mounted objects before removal.	2.76	
02 87 13 33-0082	SF	>10,000 SF, Interior Paneling, Mold Abatement And Disposal Note: Includes detachment of mounted objects before removal.	2.14	
02 87 13 33-0083		**Exterior Siding, Mold Abatement And Disposal** *(02 87 13 33-0076)*		
02 87 13 33-0084	SET	Up To 100 SF, Exterior Siding Board, Mold Abatement And Disposal	921.53	
02 87 13 33-0085	SF	>100 To 500 SF, Exterior Siding Board, Mold Abatement And Disposal	8.27	
02 87 13 33-0086	SF	>500 To 2,500 SF, Exterior Siding Board, Mold Abatement And Disposal	5.76	
02 87 13 33-0087	SF	>2,500 To 10,000 SF, Exterior Siding Board, Mold Abatement And Disposal	3.90	
02 87 13 33-0088	SF	>10,000 SF, Exterior Siding Board, Mold Abatement And Disposal	3.52	
02 87 13 33-0089		**Contaminated Debris, Mold Abatement And Disposal** *(02 87 13 33)*		
02 87 13 33-0090		**Contaminated Debris, Mold Abatement And Disposal** *(02 87 13 33-0089)*		
02 87 13 33-0091	SET	Up To 20 CF, Contaminated Debris, Mold Abatement And Disposal	928.64	
02 87 13 33-0092	CF	>20 To 100 CF, Contaminated Debris, Mold Abatement And Disposal	32.78	
02 87 13 33-0093	CF	>100 To 250 CF, Contaminated Debris, Mold Abatement And Disposal	22.57	
02 87 13 33-0094	CF	>250 To 500 CF, Contaminated Debris, Mold Abatement And Disposal	17.46	
02 87 13 33-0095	CF	>500 To 2,500 CF, Contaminated Debris, Mold Abatement And Disposal	14.40	
02 87 13 33-0096	CF	>2,500 To 10,000 CF, Contaminated Debris, Mold Abatement And Disposal	8.83	
02 87 13 33-0097	CF	>10,000 CF, Contaminated Debris, Mold Abatement And Disposal	8.15	
02 87 13 33-0098		**Other Mold Containing Materials, Mold Abatement And Disposal** *(02 87 13 33)*		
02 87 13 33-0099		**Wood Studs, Mold Abatement And Disposal** *(02 87 13 33-0098)* Note: 2" x 4" or 2" x 6" exposed studs in walls. Excludes surfacing material.		
02 87 13 33-0100	SET	Up To 100 LF, Wood Studs, Mold Abatement And Disposal	460.75	
02 87 13 33-0101	LF	>100 To 500 LF, Wood Studs, Mold Abatement And Disposal	3.74	
02 87 13 33-0102	LF	>500 To 2,500 LF, Wood Studs, Mold Abatement And Disposal	2.80	
02 87 13 33-0103	LF	>2,500 To 10,000 LF, Wood Studs, Mold Abatement And Disposal	2.18	
02 87 13 33-0104	LF	>10,000 LF, Wood Studs, Mold Abatement And Disposal	1.66	
02 87 13 33-0105		**Ceiling Tile, Mold Abatement And Disposal** *(02 87 13 33-0098)* Note: e.g. grid, spline, or glued on; 12" x 12" to 2' x 4'.		
02 87 13 33-0106	SET	Up To 100 SF, Ceiling Tile, Mold Abatement And Disposal	921.53	
02 87 13 33-0107	SF	>100 To 1,000 SF, Ceiling Tile, Mold Abatement And Disposal	11.44	
02 87 13 33-0108	SF	>1,000 To 2,500 SF, Ceiling Tile, Mold Abatement And Disposal	5.40	
02 87 13 33-0109	SF	>2,500 To 10,000 SF, Ceiling Tile, Mold Abatement And Disposal	3.90	
02 87 13 33-0110	SF	>10,000 To 25,000 SF, Ceiling Tile, Mold Abatement And Disposal	3.85	
02 87 13 33-0111	SF	>25,000 To 50,000 SF, Ceiling Tile, Mold Abatement And Disposal	3.76	
02 87 13 33-0112	SF	>50,000 To 100,000 SF, Ceiling Tile, Mold Abatement And Disposal	3.32	
02 87 13 33-0113	SF	>100,000 SF, Ceiling Tile, Mold Abatement And Disposal	2.89	
02 87 13 33-0114		**Caulking, Mold Abatement And Disposal** *(02 87 13 33-0098)*		
02 87 13 33-0115	SET	Up To 20 LF, Caulking, Mold Abatement And Disposal	222.07	
02 87 13 33-0116	LF	>20 To 50 LF, Caulking, Mold Abatement And Disposal	4.46	
02 87 13 33-0117	LF	>50 To 100 LF, Caulking, Mold Abatement And Disposal	3.19	
02 87 13 33-0118	LF	>100 To 250 LF, Caulking, Mold Abatement And Disposal	2.42	
02 87 13 33-0119	LF	>250 To 1,000 LF, Caulking, Mold Abatement And Disposal	1.81	
02 87 13 33-0120	LF	>1,000 To 2,500 LF, Caulking, Mold Abatement And Disposal	1.46	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 13 33-0121	LF	>2,500 LF, Caulking, Mold Abatement And Disposal	1.26	

02 87 13 33-0122 Wipe Down Walls, Ceilings And Floors *(02 87 13 33-0098)*

02 87 13 33-0123	CSF	Wipe Down Floors With Mild Bleach Solution	24.62	
		For >25 To 50, Deduct	*-2.46*	
		For >50 To 200, Deduct	*-6.15*	
		For >200, Deduct	*-9.84*	
02 87 13 33-0124	CSF	Wipe Down Walls With Mild Bleach Solution	28.96	
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 200, Deduct	*-7.24*	
		For >200, Deduct	*-11.58*	
02 87 13 33-0125	CSF	Wipe Down Ceilings With Mild Bleach Solution	32.94	
		For >25 To 50, Deduct	*-3.29*	
		For >50 To 200, Deduct	*-8.23*	
		For >200, Deduct	*-13.17*	
02 87 13 33-0126	CSF	Wipe Down Countertops With Mild Bleach Solution	26.85	
		For >25 To 50, Deduct	*-2.68*	
02 87 13 33-0127	CSF	Wipe Down Other Surfaces With Mild Bleach Solution	34.08	
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 200, Deduct	*-8.52*	
		For >200, Deduct	*-13.63*	

02 87 13 33-0128 Cabinets *(02 87 13 33-0098)*

02 87 13 33-0129	SET	Up To 10 LF, Base Cabinet, Mold Abatement And Disposal	987.45	
02 87 13 33-0130	LF	>10 To 20 LF, Base Cabinet, Mold Abatement And Disposal	104.11	
02 87 13 33-0131	LF	>20 LF, Base Cabinet, Mold Abatement And Disposal	77.26	
02 87 13 33-0132	SET	Up To 10 LF, Wall Cabinet, Mold Abatement And Disposal	923.36	
02 87 13 33-0133	LF	>10 To 20 LF, Wall Cabinet, Mold Abatement And Disposal	86.96	
02 87 13 33-0134	LF	>20 LF, Wall Cabinet, Mold Abatement And Disposal	60.11	

02 87 16 Excrement Removal *(02 87)*

Note: Includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, clean-up, vacuuming, disposal, personnel health monitoring, documentation and other associated costs necessary for the complete removal and disposal of the contaminated material in accordance with EPA and local regulations. The quantity of the entire project, not a particular work area, is to be used in determining which tasks apply. There is a task with a unit of measure of EA for a quantity of less than 10 SF, followed by a series of tasks for additional quantities. For those tasks, the contractor will be paid the first task with a unit of measure of EA, plus each additional task in sequence to arrive at the total quantity for the entire project, not a particular work area.

02 87 16 13 Bird Excrement Removal *(02 87 16)*

02 87 16 13-0001 Bird Waste Removal *(02 87 16 13)*

Note: In addition to items listed the Bio-Hazard Material Remediation note above, includes wetting agents and disinfection of contaminated surfaces.

02 87 16 13-0002	EA	Up To 10 SF Bird Waste Removal, Up To 3" Thickness	885.92	
		For Work In Restricted Working Space, Add	*265.78*	
02 87 16 13-0003	SF	>10 To 500 SF Bird Waste Removal, Up To 3" Thickness	14.77	
		For Work In Restricted Working Space, Add	*4.43*	
02 87 16 13-0004	SF	>500 To 2,500 SF Bird Waste Removal, Up To 3" Thickness	13.43	
		For Work In Restricted Working Space, Add	*4.03*	
02 87 16 13-0005	SF	>2,500 To 10,000 SF Bird Waste Removal, Up To 3" Thickness	12.20	
		For Work In Restricted Working Space, Add	*3.66*	
02 87 16 13-0006	SF	>10,000 SF Bird Waste Removal, Up To 3" Thickness	11.10	
		For Work In Restricted Working Space, Add	*3.33*	

02 87 19 Bio-Hazard and Infectious Disease Control Remediation *(02 87)*

02 87 19 00-0001 Barriers For Bio-Hazard And Infectious Disease Control *(02 87 19)*

02 87 19 00-0002 Adjustable Barrier Panel System For Bio-Hazard And Infectious Disease Control *(02 87 19 00-0001)*

Note: Panels are opal or transparent. Includes self-leveling floor channel, 1/4" foam gasket to conform to ceiling, edge gaskets, grid clips, and cam locks.

02 87 19 00-0003	EA	4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4000)	690.37	
02 87 19 00-0004	EA	3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4001)	655.70	
02 87 19 00-0005	EA	2' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4002)	517.04	
02 87 19 00-0006	EA	2' Wide x 7'-8" To 10' High With High Efficiency Particulate Air (HEPA) Filtered Air Discharge Port, Fire Rated Containment Panel Assembly (Edge Guard 4002.1)	597.93	
02 87 19 00-0007	EA	4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 44" Door (Edge Guard 4003) Note: Includes a hydraulic closer and a lever style lockset standard.	1,169.90	
02 87 19 00-0008	EA	7'-8" To 10' High, Hinged Corner Assembly (Edge Guard 4004)	236.44	
02 87 19 00-0009	EA	6" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4005)	316.30	
02 87 19 00-0010	EA	12" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4006)	339.41	
02 87 19 00-0011	EA	7'-8" To 10' High, Outside Corner Post (Edge Guard 4007)	195.99	
02 87 19 00-0012	EA	4'-4" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 48" Door (Edge Guard 4008) Note: Includes a hydraulic closer and a lever style lockset standard.	1,401.00	
02 87 19 00-0013	EA	7'-8" To 10' High, "T" Post Corner Assembly (Edge Guard 4009)	195.99	
02 87 19 00-0014	EA	3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 32" Door (Edge Guard 4010) Note: Includes a hydraulic closer and a lever style lockset standard.	1,054.35	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0015	EA	Closure Strips (Edge Guard 3003)	14.23	
		Note: To seal panels to existing walls		
02 87 19 00-0016	EA	Digital Differential Pressure Gauge Kit (Edge Guard 3005)	323.43	
02 87 19 00-0017		**Temporary Sheeting For Bio-Hazard And Infectious Disease Control** *(02 87 19 00-0001)*		
		Note: Includes removal and disposal in approved landfill after use.		
02 87 19 00-0018	SF	6 Mil Plastic Sheeting, Applied To Floors, For Bio-Hazard And Infectious Disease Control	0.57	
02 87 19 00-0019	SF	6 Mil Plastic Sheeting, Applied To Walls, For Bio-Hazard And Infectious Disease Control	0.75	
02 87 19 00-0020	SF	6 Mil Plastic Sheeting, Applied To Ceilings, For Bio-Hazard And Infectious Disease Control	1.00	
02 87 19 00-0021	SF	6 Mil Plastic Fire Retardant, Anti-static Sheeting, Applied To Floors, For Bio-Hazard And Infectious Disease Control	0.68	
02 87 19 00-0022	SF	6 Mil Plastic Fire Retardant, Anti-static Retardant Sheeting, Applied To Walls, For Bio-Hazard And Infectious Disease Control	0.86	
02 87 19 00-0023	SF	6 Mil Plastic Fire Retardant, Anti-static Retardant Sheeting, Applied To Ceilings, For Bio-Hazard And Infectious Disease Control	1.11	
02 87 19 00-0024		**Temporary Floor Protection For Bio-Hazard And Infectious Disease Control** *(02 87 19 00-0001)*		
		Note: Includes removal after use.		
02 87 19 00-0025	SF	1/8" Thick, Masonite Temporary Floor Protection For Bio-Hazard And Infectious Disease Control	1.81	
02 87 19 00-0026	SF	1/2" Thick, Plywood Temporary Floor Protection For Bio-Hazard And Infectious Disease Control	1.83	
02 87 19 00-0027	SF	3/4" Thick, Plywood Temporary Floor Protection For Bio-Hazard And Infectious Disease Control	2.18	
02 87 19 00-0028		**Temporary Stud Wall For Bio-Hazard And Infectious Disease Control** *(02 87 19 00-0001)*		
		Note: Includes removal after use.		
02 87 19 00-0029	SF	1/2" Gypsum Board On One Side, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	6.23	
02 87 19 00-0030	SF	1/2" Gypsum Board On Both Sides, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	8.71	
02 87 19 00-0031	SF	5/8" Type Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	6.42	
02 87 19 00-0032	SF	5/8" Type Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	9.09	
02 87 19 00-0033	SF	6 Mil, Fire Retardant, Plastic Sheeting On One Side, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	3.57	
02 87 19 00-0034		**Isolation Barriers For Bio-Hazard And Infectious Disease Control** *(02 87 19 00-0001)*		
02 87 19 00-0035	GSF	Tent Construction Utilizing Two Layers Of 6 Mil Fire Rated Plastic Sheeting For Bio-Hazard And Infectious Disease Control	23.80	
		Note: Includes support frame of 2x4s or PVC piping (ground SF) up to 6' to construct stand-alone tents (floor, walls and ceiling) with airlock.		
02 87 19 00-0036	GSF	Relocate Tent Construction To Different Area	2.84	
02 87 19 00-0037		**Plexiglass Barriers For Bio-Hazard And Infectious Disease Control** *(02 87 19 00-0001)*		
02 87 19 00-0038	SF	3/8" Thick, Clear Acrylic Glazing (Plexiglas) For Bio-Hazard And Infectious Disease Control	20.64	
02 87 19 00-0039	SF	1/2" Thick, Clear Acrylic Glazing (Plexiglas) For Bio-Hazard And Infectious Disease Control	24.33	
02 87 19 00-0040	SF	3/4" Thick, Clear Acrylic Glazing (Plexiglas) For Bio-Hazard And Infectious Disease Control	34.18	
02 87 19 00-0041	PR	Install Pair Of 8" Diameter Glove Iris Port In Barrier For Bio-Hazard And Infectious Disease Control	1,514.16	
		Note: Excludes gloves.		
02 87 19 00-0042	PR	Pair Of 8" Diameter Economy Sleeved Gloves With Clamping Ring For Bio-Hazard And Infectious Disease Control	543.06	
		Note: For installation in glove iris port.		
02 87 19 00-0043	PR	Pair Of 8" Diameter Bellows Type Gloves With Clamping Ring For Bio-Hazard And Infectious Disease Control	868.52	
		Note: For installation in glove iris port.		
02 87 19 00-0044	EA	5-5/16" Diameter, Satin Anodized Aluminum, No-Draft Speak-Thru In Barrier For Bio-Hazard And Infectious Disease	153.63	
		Note: Includes gaskets and mounting screws for installation on glass from 1/4" (6 mm) to 1/2" (12 mm) thick. Require a minimum hole diameter of 2-1/4" (57 mm), and will cover holes up to 4-1/4" (108 mm). Recommended hole diameter is 3-1/2" (89 mm).		
02 87 19 00-0045		**Temporary Portable And Mobile Trailers** *(02 87 19)*		
02 87 19 00-0046		**Trailer Delivery** *(02 87 19 00-0045)*		
02 87 19 00-0047	EA	Deliver Trailer Within 25 Miles	1,260.33	
02 87 19 00-0048		**Portable And Mobile Trailers, Purchase** *(02 87 19 00-0045)*		
		Note: Includes cost to set-up, underpin, tie-downs, HVAC unit, lights, outlets, & phone jacks. Trailers shall have a 12' x 12' office area and 6' x 8' bathroom with sink, mirror, and water closet. Minimum of two pedestrian doors and a tinted/insulated 3' x 4' single hung window per 20 SF of wall area. Excludes connection of utilities.		
02 87 19 00-0049	EA	8' x 24' Mobile Trailer With Toilet, Purchase	13,402.74	
		For Tie-Downs, Add	*133.31*	
02 87 19 00-0050	EA	8' x 32' Mobile Trailer With Toilet, Purchase	18,934.56	
		For Tie-Downs, Add	*133.31*	
02 87 19 00-0051	EA	10' x 36' Mobile Trailer With Toilet, Purchase	27,017.49	
		For Tie-Downs, Add	*133.31*	
02 87 19 00-0052	EA	10' x 44' Mobile Trailer With Toilet, Purchase	33,762.05	
		For Tie-Downs, Add	*133.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0053	EA	10' x 50' Mobile Trailer With Toilet, Purchase	38,384.53	
		For Tie-Downs, Add	*133.31*	
02 87 19 00-0054	EA	12' x 50' Mobile Trailer With Toilet, Purchase	40,352.18	
		For Tie-Downs, Add	*133.31*	
02 87 19 00-0055	EA	12' x 60' Mobile Trailer With Toilet, Purchase	44,899.82	
		For Tie-Downs, Add	*133.31*	
02 87 19 00-0056		**Accessories For Portable And Mobile Trailers** *(02 87 19 00-0045)*		
02 87 19 00-0057		**Skirting** *(02 87 19 00-0056)*		
		Note: Includes 2" x 4" wood framing 16" on center.		
02 87 19 00-0058	SF	1'-8" High Vinyl Covered Skirt	5.32	1.89
02 87 19 00-0059	SF	3' High Vinyl Covered Skirt	7.74	3.11
02 87 19 00-0060		**Aluminum Modular Access Ramp** *(02 87 19 00-0056)*		
		Note: Includes picketed guardrails, inside grab rails, legs and hardware.		
02 87 19 00-0061	EA	Up To 35" High, Aluminum Modular Access Ramp	3,907.76	36.15
02 87 19 00-0062		**Aluminum Modular Stairs** *(02 87 19 00-0056)*		
		Note: Excludes earthwork		
02 87 19 00-0063	EA	Aluminum Steps For Mobile Trailers	1,078.77	
02 87 19 00-0064		**Decontamination Chambers For Bio-Hazard And Infectious Disease Control** *(02 87 19)*		
		Note: Includes removal after use.		
02 87 19 00-0065	EA	Portable Personnel Decontamination Wash Facility (3 Stage) For Bio-Hazard And Infectious Disease Control	1,013.01	
		Note: Includes connection to negative air system.		
02 87 19 00-0066	EA	Portable Personnel Decontamination Wash Facility (5 Stage) For Bio-Hazard And Infectious Disease Control	1,193.29	
		Note: Includes connection to negative air system.		
02 87 19 00-0067	EA	Portable Waste Decontamination Unit For Bio-Hazard And Infectious Disease Control	612.79	
		Note: Includes connection to negative air system.		
02 87 19 00-0068		**Bio-Hazard And Infectious Disease Control Cleaning, Level 2** *(02 87 19)*		
		Note: Includes worker personal protection equipment suites, gloves and masks. Level 1 Biohazard - Minor bacteria and viruses as well as non-infectious bacteria. Microbes are not known to cause disease in healthy hosts and pose minimal risk to workers and the environment. Level 2 Biohazard - Bacteria and viruses that cause mild disease or are difficult to contract. Microbes are typically indigenous and are associated with diseases of varying severity. They pose moderate risk to workers and the environment. Level 3 Biohazard - Microbes are indigenous or exotic and cause serious or potential lethal diseases through respiratory transmission. Disposal of materials used to wipe down surfaces in approved landfill after use. See CSI section 02 87 19 00-0138 for disposal of material into approved landfill.		
02 87 19 00-0069		**Bio-Hazard And Infectious Disease Control Cleaning Mobilization** *(02 87 19 00-0068)*		
02 87 19 00-0070	EA	Bio-Hazard And Infectious Disease Control Mobilization And Set-Up	372.12	
		Note: Mobilization and set-up minimum for each site location, for levels 1, 2 or 3.		
02 87 19 00-0071		**Bio-Hazard And Infectious Disease Control Cleaning Of Surfaces** *(02 87 19 00-0068)*		
		Note: Includes electrostatic spraying of surfaces with mild bleach, wet mop/wipe, disinfect and high efficiency particulate air (HEPA) vacuum surfaces		
02 87 19 00-0072	CSF	Cleaning Of Floors For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	27.58	
		For >25 To 50, Deduct	*-2.76*	
		For >50 To 200, Deduct	*-5.51*	
		For >200, Deduct	*-8.27*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*14.99*	
		For Level 1 Biohazard Cleaning, Deduct	*-5.51*	
		For Level 3 Biohazard Cleaning, Add	*9.09*	
02 87 19 00-0073	CSF	Cleaning Of Walls For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	32.45	
		For >25 To 50, Deduct	*-3.24*	
		For >50 To 200, Deduct	*-6.49*	
		For >200, Deduct	*-9.73*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*14.99*	
		For Level 1 Biohazard Cleaning, Deduct	*-6.49*	
		For Level 3 Biohazard Cleaning, Add	*10.70*	
02 87 19 00-0074	CSF	Cleaning Of Ceilings For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	36.91	
		For >25 To 50, Deduct	*-3.69*	
		For >50 To 200, Deduct	*-7.38*	
		For >200, Deduct	*-11.07*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*14.99*	
		For Level 1 Biohazard Cleaning, Deduct	*-7.38*	
		For Level 3 Biohazard Cleaning, Add	*12.17*	
02 87 19 00-0075	CSF	Cleaning Of Countertops For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	30.09	
		For Cleaning Surfaces With Goldshield® GS5, Add	*14.99*	
		For >5 To 10, Deduct	*-1.50*	
		For >10 To 50, Deduct	*-3.01*	
		For >50, Deduct	*-6.01*	
		For Level 1 Biohazard Cleaning, Deduct	*-6.01*	
		For Level 3 Biohazard Cleaning, Add	*9.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0076	CSF	Cleaning Of Other Surfaces For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	38.18	
		For >25 To 50, Deduct	*-3.82*	
		For >50 To 200, Deduct	*-7.63*	
		For >200, Deduct	*-11.45*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*14.99*	
		For Level 1 Biohazard Cleaning, Deduct	*-7.63*	
		For Level 3 Biohazard Cleaning, Add	*12.59*	

02 87 19 00-0077 Bio-Hazard And Infectious Disease Control Cleaning Of Equipment And Materials *(02 87 19 00-0068)*

Note: Includes spraying of surfaces with mild bleach, wet mop/wipe and disinfect

02 87 19 00-0078	EA	Cleaning Of Plumbing Fixture For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	71.31	
		For Level 1 Biohazard Cleaning, Deduct	*-14.26*	
		For Level 3 Biohazard Cleaning, Add	*23.53*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*7.50*	
02 87 19 00-0079	EA	Cleaning Of Restroom Accessory For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	32.72	
		For Level 1 Biohazard Cleaning, Deduct	*-6.54*	
		For Level 3 Biohazard Cleaning, Add	*10.79*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*5.00*	
02 87 19 00-0080	EA	Cleaning Of Kitchen Appliance For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	114.85	
		For Level 1 Biohazard Cleaning, Deduct	*-22.97*	
		For Level 3 Biohazard Cleaning, Add	*37.89*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*7.50*	
02 87 19 00-0081	EA	Cleaning Of Electrical Switch/Receptacle For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	7.08	
		For Level 1 Biohazard Cleaning, Deduct	*-1.41*	
		For Level 3 Biohazard Cleaning, Add	*2.33*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*1.50*	
02 87 19 00-0082	EA	Cleaning Of WorkStation, Exterior Wipe For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution Clean-up	105.88	
		Note: Includes desk, chair, computer, monitor(s), keyboard, mouse, lamp, drawers		
		For Level 1 Biohazard Cleaning, Deduct	*-21.17*	
		For Level 3 Biohazard Cleaning, Add	*34.93*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*7.50*	
02 87 19 00-0083	EA	Cleaning Of Knobs, Latches, And Locks For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution Clean-up	11.30	
		For Level 1 Biohazard Cleaning, Deduct	*-2.26*	
		For Level 3 Biohazard Cleaning, Add	*3.72*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*1.50*	

02 87 19 00-0084 Bio-Hazard And Infectious Disease Control Cleaning Of Ductwork *(02 87 19 00-0068)*

02 87 19 00-0085	LF	Up To 2 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning	4.17	
		For Level 1 Biohazard Cleaning, Deduct	*-0.83*	
		For Level 3 Biohazard Cleaning, Add	*1.37*	
02 87 19 00-0086	LF	>2 SF To 4 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning	5.23	
		For Level 1 Biohazard Cleaning, Deduct	*-1.03*	
		For Level 3 Biohazard Cleaning, Add	*1.71*	
02 87 19 00-0087	LF	>4 SF To 8 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning	7.02	
		For Level 1 Biohazard Cleaning, Deduct	*-1.38*	
		For Level 3 Biohazard Cleaning, Add	*2.28*	
02 87 19 00-0088	LF	>8 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning	9.94	
		For Level 1 Biohazard Cleaning, Deduct	*-1.94*	
		For Level 3 Biohazard Cleaning, Add	*3.20*	
02 87 19 00-0089	EA	Clean Duct Coil For Bio-Hazard And Infectious Disease Control Cleaning	186.09	
		For Level 1 Biohazard Cleaning, Deduct	*-37.21*	
		For Level 3 Biohazard Cleaning, Add	*61.40*	
02 87 19 00-0090	SF	Clean Duct Dampers And Vane Sets For Bio-Hazard And Infectious Disease Control Cleaning	12.94	
		For Level 1 Biohazard Cleaning, Deduct	*-2.58*	
		For Level 3 Biohazard Cleaning, Add	*4.26*	
02 87 19 00-0091	EA	Clean Fan Coil Unit (FCU) Or Variable Air Volume (VAV) Unit For Bio-Hazard And Infectious Disease Control Cleaning	124.06	
		For Level 1 Biohazard Cleaning, Deduct	*-24.81*	
		For Level 3 Biohazard Cleaning, Add	*40.93*	
02 87 19 00-0092	EA	Clean Air Handling Unit Fan And Coil For Bio-Hazard And Infectious Disease Control Cleaning	372.14	
		For Level 1 Biohazard Cleaning, Deduct	*-74.42*	
		For Level 3 Biohazard Cleaning, Add	*122.80*	
02 87 19 00-0093	EA	Clean Grille/Diffuser/Register For Bio-Hazard And Infectious Disease Control Cleaning	31.03	
		Note: Includes removal and reinstallation.		
		For Level 1 Biohazard Cleaning, Deduct	*-6.20*	
		For Level 3 Biohazard Cleaning, Add	*10.23*	
02 87 19 00-0094	SF	Apply Sporicidin Disinfectant To Ductwork And Surfaces After Cleaning For Bio-Hazard And Infectious Disease Control Cleaning	0.57	
		For Level 1 Biohazard Cleaning, Deduct	*-0.10*	
		For Level 3 Biohazard Cleaning, Add	*0.17*	
02 87 19 00-0095	SF	Apply Goldshield® GS5 Anti-microbial Agent To Ductwork And Surfaces After Cleaning For Bio-Hazard And Infectious Disease Control Cleaning	0.65	
		For Level 1 Biohazard Cleaning, Deduct	*-0.10*	
		For Level 3 Biohazard Cleaning, Add	*0.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0096		**Bio-Hazard And Infectious Disease Control Equipment Rental** *(02 87 19)* Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.		
02 87 19 00-0097	DAY	Up To 5,000 CFM Portable Air Scrubber For Bio-Hazard And Infectious Disease Control Clean-up	108.38	
02 87 19 00-0098	WK	Up To 5,000 CFM Portable Air Scrubber For Bio-Hazard And Infectious Disease Control Clean-up	461.61	
02 87 19 00-0099	MO	Up To 5,000 CFM Portable Air Scrubber For Bio-Hazard And Infectious Disease Control Clean-up	1,292.51	
02 87 19 00-0100	DAY	Industrial High Efficiency Particulate Air (HEPA) Vacuum For Bio-Hazard And Infectious Disease Control Clean-up	160.68	
02 87 19 00-0101	WK	Industrial High Efficiency Particulate Air (HEPA) Vacuum For Bio-Hazard And Infectious Disease Control Clean-up	441.86	
02 87 19 00-0102	MO	Industrial High Efficiency Particulate Air (HEPA) Vacuum For Bio-Hazard And Infectious Disease Control Clean-up	1,205.08	
02 87 19 00-0103	DAY	Zip Wall Poles (Per 2 Poles) For Bio-Hazard And Infectious Disease Control Clean-up	34.77	
02 87 19 00-0104	WK	Zip Wall Poles (Per 2 Poles) For Bio-Hazard And Infectious Disease Control Clean-up	95.61	
02 87 19 00-0105	MO	Zip Wall Poles (Per 2 Poles) For Bio-Hazard And Infectious Disease Control Clean-up	260.76	
02 87 19 00-0106	DAY	Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And High Efficiency Particulate Air (HEPA) Filter For Bio-Hazard And Infectious Disease Control Clean-up	121.26	
02 87 19 00-0107	WK	Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And High Efficiency Particulate Air (HEPA) Filter For Bio-Hazard And Infectious Disease Control Clean-up	498.04	
02 87 19 00-0108	MO	Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And High Efficiency Particulate Air (HEPA) Filter For Bio-Hazard And Infectious Disease Control Clean-up	1,504.95	
02 87 19 00-0109	EA	High Efficiency Particulate Air (HEPA) Filter, 99.99% Efficient At 0.3 Micron For Negative Air Machine For Bio-Hazard And Infectious Disease Control Clean-up Note: Required if over 800 hours operation.	132.46	
02 87 19 00-0110	DAY	20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	342.34	
02 87 19 00-0111	WK	20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	684.68	
02 87 19 00-0112	MO	20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	1,369.37	
02 87 19 00-0113	DAY	20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	456.46	
02 87 19 00-0114	WK	20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	912.91	
02 87 19 00-0115	MO	20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	1,825.82	
02 87 19 00-0116	DAY	20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	1,008.89	
02 87 19 00-0117	WK	20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	2,017.78	
02 87 19 00-0118	MO	20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	4,035.55	
02 87 19 00-0119	DAY	20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	1,345.18	
02 87 19 00-0120	WK	20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	2,690.37	
02 87 19 00-0121	MO	20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	5,380.74	
02 87 19 00-0122	DAY	20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	1,681.48	
02 87 19 00-0123	WK	20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	3,362.96	
02 87 19 00-0124	MO	20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	6,725.92	
02 87 19 00-0125	EA	Set-Up 20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up Note: Includes staking down tent.	113.38	
02 87 19 00-0126	EA	Set-Up 20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up Note: Includes staking down tent.	226.76	
02 87 19 00-0127	EA	Set-Up 20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up Note: Includes staking down tent.	680.29	
02 87 19 00-0128	EA	Set-Up 20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up Note: Includes staking down tent.	1,360.58	
02 87 19 00-0129	EA	Set-Up 20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up Note: Includes staking down tent.	2,267.63	
02 87 19 00-0130	DAY	Portable Dual Sink Wash Station For Bio-Hazard And Infectious Disease Control Clean-up	74.86	
02 87 19 00-0131	WK	Portable Dual Sink Wash Station For Bio-Hazard And Infectious Disease Control Clean-up	205.86	
02 87 19 00-0132	MO	Portable Dual Sink Wash Station For Bio-Hazard And Infectious Disease Control Clean-up	561.44	
02 87 19 00-0133		**Bio-Hazard And Infectious Disease Control Hauling By Truck** *(02 87 19)* Note: Includes driver and equipment, ten (10) to fifteen (15) minutes load time, time for travel, dump time and return (roundtrip). The task quantity is the number of miles to the disposal site/transfer station (one-way mileage) using an appropriately sized truck.		
02 87 19 00-0134	EA	Hauling With 2-3 CY Pick-up Truck, Van Or Trailer, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Clean Up Note: Each first 15 miles per trip	109.55	
		For Each Additional Mile Over First 15 Miles, Add Per Mile	*1.37*	
02 87 19 00-0135	EA	Hauling With 6 To 8 CY Dump Truck, Up To 15 Miles For Bio-Hazard And Infectious Control Clean Up Note: Each first 15 miles per trip	160.18	
		For Each Additional Mile Over First 15 Miles, Add Per Mile	*2.00*	
02 87 19 00-0136	EA	Hauling With 10 To 12 CY Dump Truck, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Clean Up Note: Each first 15 miles per trip	165.78	
		For Each Additional Mile Over First 15 Miles, Add Per Mile	*2.07*	
02 87 19 00-0137	EA	Hauling With 16' To 20', Box Or Flat Bed Truck, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Clean Up Note: Each first 15 miles per trip	176.74	
		For Each Additional Mile Over First 15 Miles, Add Per Mile	*2.21*	
02 87 19 00-0138		**Bio-Hazard And Infectious Disease Control Disposal** *(02 87 19)* Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.		
02 87 19 00-0139	CY	Bio-Hazard And Infectious Disease Control Landfill Dump Fee	57.68	
02 87 19 00-0140		**BLU-MED Response Systems® (BLU-MED) Deployable Medical Facilities™ and Emergency Shelters** *(02 87 19)* Note: Includes delivery and set-up of facility, electrical, lighting and HVAC. Excludes medical equipment.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0141	EA	20' x 32.5' Medical Shelter with 1-phase electrical, 60 Hertz (BLU-MED BM-2032.5-MS/1P)	46,383.35	
02 87 19 00-0142	EA	7' x 8' Entry Vestibule (BLU-MED BM-MS-VEST)	4,458.99	
02 87 19 00-0143	EA	Vestibule End Panel with Bump Thru Door (BLU-MED BM-7x8-VEP04)	7,377.83	
02 87 19 00-0144	SF	Sub Flooring For Medical Shelter (AKS-AB846)	6.86	
02 87 19 00-0145	EA	Upgrade To Large Roto-Mold Container, Blue (AK-ULC-5)	2,025.06	
02 87 19 00-0146	EA	Environmental Control Unit-5 Ton, 60 Hertz, Blue (AK-ECU-5T-5)	33,167.93	
02 87 19 00-0147	EA	3' ECU to Generator Pigtail, 60 Hertz (AKS-AC915)	1,156.09	
02 87 19 00-0148	EA	Negative Pressure Isolation (NPI) System (AK-NPIS-5) Note: Including: (1) Germicidal/high efficiency particulate air (HEPA) Filter Unit; (1) Monitor/Alarm with Motorized Damper; (1) Isolation Partition for 20'-Wide Shelter; (1) NPI Accessories Case	52,205.77	
02 87 19 00-0149	EA	6' Step Ladder (AKS-AC595)	313.22	
02 87 19 00-0150	EA	10 Lb. Sledgehammer (AKS-AA268)	95.96	

02 87 19 00-0151 Bio-Hazard And Infectious Disease Time And Material Tasks *(02 87 19)*

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.

02 87 19 00-0152 Bio-Hazard And Infectious Disease Control Labor *(02 87 19 00-0151)*

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.

02 87 19 00-0153	HR	General Laborer For Bio-Hazard And Infectious Disease Control Clean Up	118.79	
02 87 19 00-0154	HR	Skilled Tradesman For Bio-Hazard And Infectious Disease Control Clean Up	130.93	
02 87 19 00-0155	HR	Biohazard Technician For Bio-Hazard And Infectious Disease Control Clean Up	103.65	
02 87 19 00-0156	HR	Biohazard Supervisor For Bio-Hazard And Infectious Disease Control Clean Up	124.63	
02 87 19 00-0157	HR	Project Manager For Bio-Hazard And Infectious Disease Control Clean Up	137.06	

02 87 19 00-0158 Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment *(02 87 19 00-0151)*

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.

02 87 19 00-0159	EA	Tyvek Coveralls For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	11.51	
02 87 19 00-0160	EA	Tyvek Coveralls With Hood, Boots, Elastic Wrists And Ankles For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	18.61	
02 87 19 00-0161	PR	Polycarbonate Lens Safety Goggles For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	12.06	
02 87 19 00-0162	EA	Dual Cartridge Half-Mask Respirator For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	129.50	
02 87 19 00-0163	EA	Cartridge - Respirator For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	40.21	
02 87 19 00-0164	EA	Full Face Respirator For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment Note: Respirator Connection Type: Bayonet, 4 pt. Full Face Suspension	395.08	
02 87 19 00-0165	EA	14-1/2" Width x 9" Height Polycarbonate Visor Faceshield For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment Note: Includes basic impact ratchet headgear and faceshield safety system. ANSI Z87.1-2010	54.01	
02 87 19 00-0166	EA	19" Width x 11" Height Polycarbonate Visor Attachment To Hardhat For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment Note: Includes clear polycarbonate crown and chin guard system for hardhat. The chin guard extends below the chin, the shield extends passed the ear, and the crown extends over the forehead to the front of the hardhat. ANSI Z87.1-2015. Excludes hardhat.	98.12	
02 87 19 00-0167	BOX	Box of 100, 5 Mil, Disposable Latex Gloves For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	20.86	
02 87 19 00-0168	EA	Gloves - Rubber (Heavy-Duty) For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	17.81	
02 87 19 00-0169	EA	Belt-Mounted, Universal Mask, Powered Air Purifying Respirator (PAPR) System Kit For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment Note: Kit includes NIOSH Approved with Draeger DHR 7000, C420 Blower, Single-Speed Toggle, Battery - LiSO2 (BA5800/U), C420 Breathing Tube Assembly with 75-Degrees Swivel, Decon Belt Assembly 70" x 2", C420 Airflow Indicator (Afl), Micronel Safety M95 Cartridge (2), Molded Case, Black, CBRN Breathing Tube Assembly	2,640.77	

02 87 19 00-0170 Bio-Hazard And Infectious Disease Control Expendables *(02 87 19 00-0151)*

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections. See CSI section 01 56 16 00-0010 for temporary sheeting, 01 56 16 00-0042 for temporary walls.

02 87 19 00-0171	GAL	Bleach For Bio-Hazard And Infectious Disease Control Clean-up	8.97	
02 87 19 00-0172	EA	N95 Masks For Bio-Hazard And Infectious Disease Control Clean-up	4.34	
02 87 19 00-0173	GAL	Disinfectant/Anti-microbial For Bio-Hazard And Infectious Disease Control Clean Up	87.93	
02 87 19 00-0174	GAL	Goldshield® GS5 Anti-microbial Concentrate For Bio-Hazard And Infectious Disease Control Clean-up Note: Mix 1 gallon in 5 gallons of water to produce 6 gallons of ready-to-use product. Use on any surface for bacterial inhibition up to 30 days	359.84	
02 87 19 00-0175	QT	Hand Sanitizer For Bio-Hazard And Infectious Disease Control Clean-up	9.21	
02 87 19 00-0176	EA	Sponges - Dry For Bio-Hazard And Infectious Disease Control Clean-up	5.76	
02 87 19 00-0177	ROL	Tape - Duct, 2" x 50 YD For Bio-Hazard And Infectious Disease Control Clean-up	11.44	
02 87 19 00-0178	EA	UV Mini Light, Handheld For Bio-Hazard And Infectious Disease Control Clean-up	78.62	
02 87 19 00-0179	ROL	Visqueen 1 Mil, 12' x 400', For Bio-Hazard And Infectious Disease Control Clean-up	46.12	
02 87 19 00-0180	LB	Wipes, Terry Cloth 14" x 17" For Bio-Hazard And Infectious Disease Control Clean-up	6.72	
02 87 19 00-0181	EA	Wyp-Alls, Case, 160 Wipes For Bio-Hazard And Infectious Disease Control Clean-up	18.00	
02 87 19 00-0182	ROL	6 Mil, 55 Gallon Trash Bags, 50/Roll For Bio-Hazard And Infectious Disease Control Clean Up	141.99	

02 89 Hazmat Ancillary Tasks and Support *(02 80)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 89 00 00-0001		**Barriers And Protection** *(02 89)* Note: Includes removal and disposal after use.		
02 89 00 00-0002		**Isolation Barriers** *(02 89 00 00-0001)* See CSI section 01 56 16 00-0042 for temporary stud walls.		
02 89 00 00-0003		**Hazmat Containment Construction Plastic Sheeting** *(02 89 00 00-0001)*		
02 89 00 00-0004	SF	6 Mil Plastic Sheeting, Applied To Floors, Hazmat Containment Construction	0.54	
02 89 00 00-0005	SF	6 Mil Plastic Sheeting, Applied To Walls, Hazmat Containment Construction	0.71	
02 89 00 00-0006	SF	6 Mil Plastic Sheeting, Applied To Ceilings, Hazmat Containment Construction	0.95	
02 89 00 00-0007	SF	6 Mil Plastic Fire Retardant, Anti-static Sheeting, Applied To Floors, Hazmat Containment Construction	0.67	
02 89 00 00-0008	SF	6 Mil Plastic Fire Retardant, Anti-static Retardant Sheeting, Applied To Walls, Hazmat Containment Construction	0.84	
02 89 00 00-0009	SF	6 Mil Plastic Fire Retardant, Anti-static Retardant Sheeting, Applied To Ceilings, Hazmat Containment Construction	1.09	
02 89 00 00-0010	EA	Up To 36 Square Inches, Seal Wall Penetrations With Foam Firestop, Hazmat Containment Construction	140.32	
02 89 00 00-0011	EA	>36 To 72 Square Inches, Seal Wall Penetrations With Foam Firestop, Hazmat Containment Construction	272.76	
02 89 00 00-0012	EA	>72 To 144 Square Inches, Seal Wall Penetrations With Foam Firestop, Hazmat Containment Construction	534.57	
02 89 00 00-0013	LF	Caulk Seams With Latex, Hazmat Containment Construction	4.88	
02 89 00 00-0014	SF	2 Layers 6 Mil Poly, Protect Carpeted Area, Hazmat Containment Construction	2.08	
02 89 00 00-0015		**Decontamination Chambers** *(02 89)* Note: Includes removal after use.		
02 89 00 00-0016	EA	3 Stage Portable Personnel Decontamination Wash Facility Note: Includes connection to negative air system.	1,003.48	
02 89 00 00-0017	EA	5 Stage Portable Personnel Decontamination Wash Facility Note: Includes connection to negative air system.	1,181.83	
02 89 00 00-0018	EA	Portable Waste Decontamination Unit Note: Includes connection to negative air system.	605.18	
		For Dismantling And Relocation To A Different Area, Add	*374.64*	

02 90 Disaster Recovery *(02)*

Note: The tasks in this division are only to be used when specifically requested by the Owner and are not to be combined with tasks from other divisions of this or other Construction Task Catalogs® unless specifically requested by the Owner.

02 90 50 Cleaning and Disaster Clean-up *(02 90)*

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0001		**Non-Mold Contaminated Wet Material Removal** *(02 90 50)* Note: For materials not requiring mold abatement.		
02 90 50 00-0002	SY	Wet Broadloom Carpet Removal For Disaster Clean-up	29.30	
02 90 50 00-0003	SY	Wet Carpet Tile Removal For Disaster Clean-up	7.13	
02 90 50 00-0004	SF	Wet Batt Insulation Removal For Disaster Clean-up	0.59	
02 90 50 00-0005	SF	Wet Ceiling Tile Removal For Disaster Clean-up	0.71	
02 90 50 00-0006	SF	Single Layer, Wet Gypsum Board Removal For Disaster Clean-up	0.69	
02 90 50 00-0007	SF	Double Layer, Wet Gypsum Board Removal For Disaster Clean-up	1.09	
02 90 50 00-0008		**Cleaning** *(02 90 50)* Note: Use "Light Clean" when soot or dust is barely evident. Use "Medium Clean" when paint color can be seen through the soot or dust. Use "Heavy Clean" when paint color cannot be seen. Includes all man power, equipment and expendables required		
02 90 50 00-0009		**Clean Furnishings** *(02 90 50 00-0008)*		
02 90 50 00-0010	EA	Office Equipment, Exterior Wipe For Disaster Clean-up	28.40	
		For Medium Clean, Add	*11.93*	
		For Heavy Clean, Add	*36.92*	
02 90 50 00-0011	SF	Bookcase (Per SF Of Face Area), Light Clean For Disaster Clean-up	1.58	
		For Medium Clean, Add	*0.66*	
		For Heavy Clean, Add	*2.05*	
02 90 50 00-0012	LF	Shelving, Light Clean For Disaster Clean-up	2.84	
		For Medium Clean, Add	*1.19*	
		For Heavy Clean, Add	*3.69*	
02 90 50 00-0013	EA	Plastic Or Metal Chair, Light Clean For Disaster Clean-up	8.20	
		For Medium Clean, Add	*3.44*	
		For Heavy Clean, Add	*10.66*	
02 90 50 00-0014	EA	Upholstered Chair, Light Clean For Disaster Clean-up	26.51	
		For Medium Clean, Add	*11.13*	
		For Heavy Clean, Add	*34.46*	
02 90 50 00-0015	EA	Upholstered Sofa, Light Clean For Disaster Clean-up	163.47	
		For Medium Clean, Add	*68.66*	
		For Heavy Clean, Add	*212.51*	
02 90 50 00-0016	EA	Desk, Light Clean For Disaster Clean-up	33.45	
		For Medium Clean, Add	*14.05*	
		For Heavy Clean, Add	*43.49*	
02 90 50 00-0017	EA	Table, Light Clean For Disaster Clean-up	31.56	
		For Medium Clean, Add	*13.26*	
		For Heavy Clean, Add	*41.03*	
02 90 50 00-0018	EA	Two Drawer File Cabinet, Light Clean For Disaster Clean-up	6.92	
		For Medium Clean, Add	*2.91*	
		For Heavy Clean, Add	*9.00*	
02 90 50 00-0019	EA	Four Drawer File Cabinet, Light Clean For Disaster Clean-up	8.85	
		For Medium Clean, Add	*3.72*	
		For Heavy Clean, Add	*11.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0020	LF	Base Cabinet, Exterior Wipe, Light Clean For Disaster Clean-up	7.26	
		For Medium Clean, Add	*3.05*	
		For Heavy Clean, Add	*9.44*	
02 90 50 00-0021	LF	Base Cabinet, Exterior And Interior Wipe, Light Clean For Disaster Clean-up	14.20	
		For Medium Clean, Add	*5.96*	
		For Heavy Clean, Add	*18.46*	
02 90 50 00-0022	LF	Wall Cabinet, Exterior Wipe, Light Clean For Disaster Clean-up	7.26	
		For Medium Clean, Add	*3.05*	
		For Heavy Clean, Add	*9.44*	
02 90 50 00-0023	LF	Wall Cabinet, Exterior And Interior Wipe, Light Clean For Disaster Clean-up	12.62	
		For Medium Clean, Add	*5.30*	
		For Heavy Clean, Add	*16.41*	
02 90 50 00-0024	EA	Picture Frame, Glass And Back, Light Clean For Disaster Clean-up	3.03	
		For Medium Clean, Add	*1.27*	
		For Heavy Clean, Add	*3.94*	

02 90 50 00-0025 Clean Hard Surfaces *(02 90 50 00-0008)*

02 90 50 00-0026	LF	Wood, Vinyl Or Rubber Baseboard, Light Clean For Disaster Clean-up	0.41	
		For Medium Clean, Add	*0.17*	
		For Heavy Clean, Add	*0.53*	
02 90 50 00-0027	EA	Door And Hardware (Per Side), Light Clean For Disaster Clean-up	5.37	
		For Medium Clean, Add	*2.26*	
		For Heavy Clean, Add	*6.98*	
02 90 50 00-0028	EA	Detailed Door And Hardware (Per Side), Light Clean For Disaster Clean-up	6.08	
		For Medium Clean, Add	*2.55*	
		For Heavy Clean, Add	*7.90*	
02 90 50 00-0029	SF	Overhead Door, Light Clean For Disaster Clean-up	0.43	
		For Medium Clean, Add	*0.18*	
		For Heavy Clean, Add	*0.56*	
02 90 50 00-0030	SF	Mirror, Light Clean For Disaster Clean-up	0.32	
		For Medium Clean, Add	*0.13*	
		For Heavy Clean, Add	*0.42*	
02 90 50 00-0031	SF	Window, Light Clean For Disaster Clean-up	0.93	
		For Medium Clean, Add	*0.39*	
		For Heavy Clean, Add	*1.21*	
02 90 50 00-0032	LF	Handrail, Light Clean For Disaster Clean-up	0.83	
		For Medium Clean, Add	*0.35*	
		For Heavy Clean, Add	*1.08*	
02 90 50 00-0033	LF	Bumper Rail, Light Clean For Disaster Clean-up	0.45	
		For Medium Clean, Add	*0.19*	
		For Heavy Clean, Add	*0.59*	
02 90 50 00-0034	SF	Hard Floor, Light Clean For Disaster Clean-up	0.37	
		For Medium Clean, Add	*0.16*	
		For Heavy Clean, Add	*0.48*	
02 90 50 00-0035	SF	Carpet, Light Clean For Disaster Clean-up	0.38	
		For Medium Clean, Add	*0.16*	
		For Heavy Clean, Add	*0.49*	
02 90 50 00-0036	SF	Hard Ceiling, Light Clean For Disaster Clean-up	0.29	
		For Medium Clean, Add	*0.12*	
		For Heavy Clean, Add	*0.38*	
02 90 50 00-0037	SF	Suspended Ceiling, Tile And Grid, Light Clean For Disaster Clean-up	0.32	
		For Medium Clean, Add	*0.13*	
		For Heavy Clean, Add	*0.42*	
02 90 50 00-0038	SF	Ceramic Tile Wall, Light Clean For Disaster Clean-up	0.26	
		For Medium Clean, Add	*0.11*	
		For Heavy Clean, Add	*0.34*	
02 90 50 00-0039	SF	Wall, Light Clean For Disaster Clean-up	0.19	
		For Medium Clean, Add	*0.08*	
		For Heavy Clean, Add	*0.25*	
02 90 50 00-0040	SF	Masonry Wall, Light Clean For Disaster Clean-up	0.26	
		For Medium Clean, Add	*0.11*	
		For Heavy Clean, Add	*0.34*	
02 90 50 00-0041	EA	Up To 24 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up Note: Includes removal from site, cleaning, and return.	66.57	
		For Medium Clean, Add	*27.96*	
		For Heavy Clean, Add	*86.54*	
02 90 50 00-0042	EA	>24 To 96 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up Note: Includes removal from site, cleaning, and return.	83.20	
		For Medium Clean, Add	*34.94*	
		For Heavy Clean, Add	*108.16*	
02 90 50 00-0043	EA	>96 To 140 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up Note: Includes removal from site, cleaning, and return.	99.84	
		For Medium Clean, Add	*41.93*	
		For Heavy Clean, Add	*129.79*	
02 90 50 00-0044	EA	>140 To 216 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up Note: Includes removal from site, cleaning, and return.	116.48	
		For Medium Clean, Add	*48.92*	
		For Heavy Clean, Add	*151.42*	

02 90 50 00-0045 Clean Window Treatments *(02 90 50 00-0008)*

02 90 50 00-0046	SF	Window Blind, Light Clean For Disaster Clean-up	0.73	
		For Medium Clean, Add	*0.31*	
		For Heavy Clean, Add	*0.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0047	EA	Up To 6' Long Drapery (Per Pleat), Light Clean For Disaster Clean-up	1.48	
		For Medium Clean, Add	*0.62*	
		For Heavy Clean, Add	*1.92*	
02 90 50 00-0048	EA	Up To 6' Long Lined Drapery (Per Pleat), Light Clean For Disaster Clean-up	1.71	
		For Medium Clean, Add	*0.72*	
		For Heavy Clean, Add	*2.22*	
02 90 50 00-0049	EA	>6' To 8' Drapery (Per Pleat), Light Clean For Disaster Clean-up	1.55	
		For Medium Clean, Add	*0.65*	
		For Heavy Clean, Add	*2.02*	
02 90 50 00-0050	EA	>6' To 8' Lined Drapery (Per Pleat), Light Clean For Disaster Clean-up	1.78	
		For Medium Clean, Add	*0.75*	
		For Heavy Clean, Add	*2.31*	
02 90 50 00-0051	EA	>8' To 10' Drapery (Per Pleat), Light Clean For Disaster Clean-up	1.90	
		For Medium Clean, Add	*0.80*	
		For Heavy Clean, Add	*2.47*	
02 90 50 00-0052	EA	>8' To 10' Lined Drapery (Per Pleat), Light Clean For Disaster Clean-up	2.19	
		For Medium Clean, Add	*0.92*	
		For Heavy Clean, Add	*2.85*	

02 90 50 00-0053 Clean Appliances *(02 90 50 00-0008)*

02 90 50 00-0054	EA	Microwave Oven, Outside, Light Clean For Disaster Clean-up	13.08	
		For Medium Clean, Add	*5.49*	
		For Heavy Clean, Add	*17.00*	
02 90 50 00-0055	EA	Refrigerator, Outside, Light Clean For Disaster Clean-up	30.81	
		For Medium Clean, Add	*12.94*	
		For Heavy Clean, Add	*40.05*	
02 90 50 00-0056	EA	Range, Outside, Light Clean For Disaster Clean-up	26.63	
		For Medium Clean, Add	*11.18*	
		For Heavy Clean, Add	*34.62*	

02 90 50 00-0057 Clean Plumbing *(02 90 50 00-0008)*

02 90 50 00-0058	EA	Water Heater, Light Clean For Disaster Clean-up	18.94	
		For Medium Clean, Add	*7.95*	
		For Heavy Clean, Add	*24.62*	
02 90 50 00-0059	EA	Plumbing Fixture, Light Clean For Disaster Clean-up	19.12	
		For Medium Clean, Add	*8.03*	
		For Heavy Clean, Add	*24.86*	
02 90 50 00-0060	EA	Restroom Accessory, Light Clean For Disaster Clean-up	8.78	
		For Medium Clean, Add	*3.69*	
		For Heavy Clean, Add	*11.41*	

02 90 50 00-0061 Clean HVAC *(02 90 50 00-0008)*

02 90 50 00-0062	LF	Baseboard Heater, Light Clean For Disaster Clean-up	5.66	
		For Medium Clean, Add	*2.38*	
		For Heavy Clean, Add	*7.36*	
02 90 50 00-0063	LF	Ductwork, Exterior Wipe, Light Clean For Disaster Clean-up	15.78	
		For Medium Clean, Add	*6.63*	
		For Heavy Clean, Add	*20.51*	
02 90 50 00-0064	EA	Ductwork, Interior (Per Grille/Register), Light Clean For Disaster Clean-up	60.59	
		For Medium Clean, Add	*25.45*	
		For Heavy Clean, Add	*78.77*	
02 90 50 00-0065	EA	Grille/Register, Light Clean For Disaster Clean-up	5.68	
		For Medium Clean, Add	*2.39*	
		For Heavy Clean, Add	*7.38*	
02 90 50 00-0066	EA	Air Handling Unit, Exterior Wipe, Light Clean For Disaster Clean-up	39.34	
		For Medium Clean, Add	*16.52*	
		For Heavy Clean, Add	*51.14*	
02 90 50 00-0067	EA	Furnace, Exterior Wipe, Light Clean For Disaster Clean-up	35.03	
		For Medium Clean, Add	*14.71*	
		For Heavy Clean, Add	*45.54*	

02 90 50 00-0068 Clean Electrical *(02 90 50 00-0008)*

02 90 50 00-0069	EA	Electric Fan, Light Clean For Disaster Clean-up	23.36	
		For Medium Clean, Add	*9.81*	
		For Heavy Clean, Add	*30.37*	
02 90 50 00-0070	EA	Ceiling Fan, Light Clean For Disaster Clean-up	25.25	
		For Medium Clean, Add	*10.61*	
		For Heavy Clean, Add	*32.83*	
02 90 50 00-0071	EA	Ceiling Fan And Light, Light Clean For Disaster Clean-up	32.82	
		For Medium Clean, Add	*13.78*	
		For Heavy Clean, Add	*42.67*	
02 90 50 00-0072	EA	Ceiling Exhaust Fan, Light Clean For Disaster Clean-up	23.04	
		For Medium Clean, Add	*9.68*	
		For Heavy Clean, Add	*29.95*	
02 90 50 00-0073	EA	2' x 4' Light Fixture, Light Clean For Disaster Clean-up	15.15	
		For Medium Clean, Add	*6.36*	
		For Heavy Clean, Add	*19.70*	
02 90 50 00-0074	EA	Light Fixture, Light Clean For Disaster Clean-up	6.94	
		For Medium Clean, Add	*2.91*	
		For Heavy Clean, Add	*9.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0075	EA	Smoke Detector, Light Clean For Disaster Clean-up	5.37	
		For Medium Clean, Add	*2.26*	
		For Heavy Clean, Add	*6.98*	
02 90 50 00-0076	EA	Thermostat, Light Clean For Disaster Clean-up	1.89	
		For Medium Clean, Add	*0.79*	
		For Heavy Clean, Add	*2.46*	
02 90 50 00-0077		**Thermal Fog** *(02 90 50 00-0008)*		
02 90 50 00-0078	CF	Clean And Deodorize Building With Thermal Fog For Disaster Clean-up	0.02	
02 90 50 00-0079		**Contents Manipulation** *(02 90 50)*		
02 90 50 00-0080	SF	Cover Contents With 6 Mil Plastic Sheeting For Disaster Clean-up	0.25	
02 90 50 00-0081	SF	Floor Protection, Adhesive Film For Disaster Clean-up	0.30	
02 90 50 00-0082	SF	Move Contents Out And Later Reset For Disaster Clean-up	0.50	
02 90 50 00-0083	MO	20' Long Job Site Storage Trailer For Disaster Clean-up	151.93	
02 90 50 00-0084	MO	40' Long Job Site Storage Trailer For Disaster Clean-up	201.49	
02 90 50 00-0085	EA	Delivery Or Pickup Job Site Storage Trailer For Disaster Clean-up	146.80	
02 90 50 00-0086		**Water Disaster Clean-up** *(02 90 50)*		
02 90 50 00-0087	LF	Detach Baseboard For Disaster Clean-up	0.69	
02 90 50 00-0088	LF	Detach And Later Reset Baseboard For Disaster Clean-up	1.23	
02 90 50 00-0089	EA	Block And Pad Furniture (Per Piece Of Furniture) For Disaster Clean-up	4.53	
02 90 50 00-0090	SF	Water Extraction From Floor For Disaster Clean-up	0.47	
02 90 50 00-0091	SF	Gray Water Extraction From Floor For Disaster Clean-up	0.76	
02 90 50 00-0092	SF	Black Water Extraction From Floor For Disaster Clean-up	1.20	
02 90 50 00-0093	SF	Tear Out Wet Non-Salvageable Carpet For Disaster Clean-up	0.38	
02 90 50 00-0094	SF	Tear Out Wet Non-Salvageable Carpet, Black Water For Disaster Clean-up	0.44	
02 90 50 00-0095	SF	Tear Out Wet Non-Salvageable Glue Down Carpet For Disaster Clean-up	0.67	
02 90 50 00-0096	SF	Tear Out Wet Non-Salvageable Glue Down Carpet, Black Water For Disaster Clean-up	0.98	
02 90 50 00-0097	SF	Tear Out Vinyl Flooring For Disaster Clean-up	0.93	
02 90 50 00-0098	SF	Tear Out Vinyl Flooring, Black Water For Disaster Clean-up	1.36	
02 90 50 00-0099	SF	Tear Out Wood Flooring, Black Water For Disaster Clean-up	3.51	
02 90 50 00-0100	SF	Tear Out Laminated Wood Flooring For Disaster Clean-up	1.72	
02 90 50 00-0101	SF	Tear Out Laminated Wood Flooring, Black Water For Disaster Clean-up	2.53	
02 90 50 00-0102	SF	Tear Out Wet Ceiling Tile For Disaster Clean-up	0.29	
02 90 50 00-0103	SF	Tear Out Batt Insulation For Disaster Clean-up	0.29	
02 90 50 00-0104	SF	Tear Out Wet Gypsum Board For Disaster Clean-up	0.49	
02 90 50 00-0105	SF	Apply Anti-microbial Agent For Disaster Clean-up	0.29	
02 90 50 00-0106	SF	High Efficiency Particulate Air (HEPA) Vacuuming For Disaster Clean-up	0.37	
02 90 50 00-0107		**Board Up And Tarp Up** *(02 90 50)*		
02 90 50 00-0108	SF	Polyethylene Tarp On Roof For Disaster Clean-up	0.24	
02 90 50 00-0109	SF	1/2" Temporary Plywood On Roof For Disaster Clean-up	1.49	
02 90 50 00-0110	SF	5/8" Temporary Plywood On Roof For Disaster Clean-up	1.81	
02 90 50 00-0111	SF	3/4" Temporary Plywood On Roof For Disaster Clean-up	1.98	
02 90 50 00-0112	SF	1/2" Temporary Plywood On Wall Or Windows For Disaster Clean-up	1.87	
02 90 50 00-0113	SF	5/8" Temporary Plywood On Wall Or Windows For Disaster Clean-up	2.19	
02 90 50 00-0114	SF	3/4" Temporary Plywood On Wall Or Windows For Disaster Clean-up	2.36	
02 90 50 00-0115		**Minimum Charges** *(02 90 50)*		
02 90 50 00-0116	EA	Disaster Cleaning Minimum Charge	1,447.55	
02 90 50 00-0117	EA	Disaster Water Extraction Minimum Charge	279.05	
02 90 50 00-0118	EA	Disaster Carpet Cleaning Minimum Charge	195.62	
02 90 50 00-0119		**Document Restoration** *(02 90 50)*		
02 90 50 00-0120	EA	Book Rebinding, Each For Document Restoration	101.02	
02 90 50 00-0121	EA	Book Recasing, Each For Document Restoration	50.50	
02 90 50 00-0122	EA	Boxes-MCS, 1.2 CF For Document Restoration	9.41	
02 90 50 00-0123	EA	Boxes-MCS, 2.0 CF For Document Restoration	10.38	
02 90 50 00-0124	EA	Boxes Bankers For Document Restoration	16.14	
02 90 50 00-0125	EA	Boxes Standard Packout For Document Restoration	6.02	
02 90 50 00-0126	EA	Boxes X Ray For Document Restoration	10.11	
02 90 50 00-0127	EA	CD Scanning and Diagnostics, Each For Document Restoration	10.11	
02 90 50 00-0128	EA	Cleaning Antique Books, Each For Document Restoration	303.05	
02 90 50 00-0129	EA	Cleaning Catheter Roll, Per Roll For Document Restoration	40.40	
02 90 50 00-0130	EA	Cleaning CD And DVD, Per Disc For Document Restoration	4.06	
02 90 50 00-0131	EA	Cleaning Level 1 - Blue Prints, Each For Document Restoration	4.21	
02 90 50 00-0132	CF	Cleaning Level 1 - Document Per CF For Document Restoration	130.36	
02 90 50 00-0133	EA	Cleaning Level 1 - Linen, Each For Document Restoration	4.21	
02 90 50 00-0134	EA	Cleaning Level 1 - Mylar, Each For Document Restoration	4.21	
02 90 50 00-0135	EA	Cleaning Level 2 - Blue Print, Each For Document Restoration	5.23	
02 90 50 00-0136	CF	Cleaning Level 2 - Document Per CF For Document Restoration	195.37	
02 90 50 00-0137	EA	Cleaning Level 2 - Linen, Each For Document Restoration	5.23	
02 90 50 00-0138	EA	Cleaning Level 2 - Mylar, Each For Document Restoration	5.23	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0139	EA	Cleaning Level 3 - Blue Prints, Each For Document Restoration	7.41	
02 90 50 00-0140	CF	Cleaning Level 3 - Document Per CF For Document Restoration	260.68	
02 90 50 00-0141	EA	Cleaning Level 3 - Linen, Each For Document Restoration	7.41	
02 90 50 00-0142	EA	Cleaning Level 3 - Mylar, Each For Document Restoration	7.41	
02 90 50 00-0143	EA	Cleaning Level 4 - All Fire-Blue Print, Each For Document Restoration	10.39	
02 90 50 00-0144	EA	Cleaning Level 4 - All Fire-Linen, Each For Document Restoration	10.39	
02 90 50 00-0145	EA	Cleaning Level 4 - All Fire-Mylar, Each For Document Restoration	10.39	
02 90 50 00-0146	CF	Cleaning Level 4 - Light Fire-Document Per CF For Document Restoration	325.79	
02 90 50 00-0147	EA	Cleaning Level 5 - Severe Fire-Blue Print, Each For Document Restoration	11.52	
02 90 50 00-0148	CF	Cleaning Level 5 - Severe Fire-Document Per CF For Document Restoration	488.83	
02 90 50 00-0149	EA	Cleaning Level 5 - Severe Fire-Linen, Each For Document Restoration	11.52	
02 90 50 00-0150	EA	Cleaning Level 5 - Severe Fire-Mylar, Each For Document Restoration	11.52	
02 90 50 00-0151	EA	Cleaning Microfiche Sheets, Each For Document Restoration	4.09	
02 90 50 00-0152	EA	Cleaning Microfiche Strips, Each For Document Restoration	0.95	
02 90 50 00-0153	EA	Cleaning Microfilm Rolls (In House), Per Roll For Document Restoration	101.02	
02 90 50 00-0154	EA	Cleaning Microfilm Rolls (Outside), Per Roll For Document Restoration	141.44	
02 90 50 00-0155	EA	Cleaning Photographs Negatives, Per Negative For Document Restoration	4.09	
02 90 50 00-0156	EA	Cleaning Photographs, Each For Document Restoration	0.95	
02 90 50 00-0157	EA	Cleaning Record Albums, Each For Document Restoration	4.06	
02 90 50 00-0158	EA	Cleaning VHS And Beta Tapes-In House, Each For Document Restoration	10.11	
02 90 50 00-0159	EA	Cleaning VHS And Beta Tapes-Outside, Each For Document Restoration	40.40	
02 90 50 00-0160	EA	Cleaning X Ray 1-1000, Per Film For Document Restoration	5.58	
02 90 50 00-0161	EA	Cleaning X Ray 1K-5K, Per Film For Document Restoration	4.76	
02 90 50 00-0162	EA	Cleaning X Ray 5K-Up, Per Film For Document Restoration	3.74	
02 90 50 00-0163	EA	Copying Clean Water, Per Page For Document Restoration	0.54	
02 90 50 00-0164	EA	Copying Greywater Fire, Per Page For Document Restoration	1.09	
02 90 50 00-0165	CF	Deodorization, Vapor Tech For Document Restoration	7.03	
02 90 50 00-0166	CF	Disinfectant-Fogging For Document Restoration	14.17	
02 90 50 00-0167	EA	Document Disposal In House No Shredding For Document Restoration	54.65	
02 90 50 00-0168	EA	Document Disposal In House With Shredding For Document Restoration	14.91	
02 90 50 00-0169	CF	Up To 150 CF, Drying-MCS Center For Document Restoration	181.83	
02 90 50 00-0170	CF	>150 To 500 CF, Drying-MCS Center For Document Restoration	141.44	
02 90 50 00-0171	CF	>500 CF, Drying-MCS Center For Document Restoration	121.22	
02 90 50 00-0172	CF	>50 To 150 CF, Drying-MCS Center For Document Restoration	161.63	
02 90 50 00-0173	CF	Up To 500 CF, Drying-Onsite For Document Restoration	303.05	
02 90 50 00-0174	CF	>500 CF, Drying-Onsite For Document Restoration	185.91	
02 90 50 00-0175	EA	Drying Antique Books, Each For Document Restoration	40.40	
02 90 50 00-0176	EA	Drying Blue Prints, Each For Document Restoration	5.05	
02 90 50 00-0177	EA	DVD Scanning And Diagnostics, Each For Document Restoration	10.11	
02 90 50 00-0178	EA	Freeze Drying (In House) For Document Restoration	135.56	
02 90 50 00-0179	EA	Freeze Drying (Outside) For Document Restoration	116.19	
02 90 50 00-0180	EA	Up To 48 CF, Irradiation - Gamma (Minimum Charge) For Document Restoration	3,195.22	
02 90 50 00-0181	CF	>48 CF, Irradiation - Gamma (Per CF Charge) For Document Restoration	29.05	
02 90 50 00-0182	EA	Minimal Drying Jobs For Document Restoration	1,345.87	
02 90 50 00-0183	EA	Monthly Storage For Document Restoration	225.04	
02 90 50 00-0184	EA	Mylar Prints For Document Restoration	10.11	
02 90 50 00-0185	CF	Ozoning For Document Restoration	6.32	
02 90 50 00-0186	CF	Stabilization Freezer Storage, Per Cubic Foot Per Month For Document Restoration	11.70	
02 90 50 00-0187	MO	Stabilization Freezer Storage, Per Page-Per Month For Document Restoration	0.10	
02 90 50 00-0188	EA	Wood Pallets, Each For Document Restoration	32.51	

02 90 55 Emergency Clean-up *(02 90)*

02 90 55 00-0001 Emergency Clean-up *(02 90 55)*

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.

02 90 55 00-0002 Emergency Clean-up Labor *(02 90 55 00-0001)*

Note: Used in the performance of time and material projects. Labor costs are based on workers familiar with and skilled in the performance of the task following restoration requirements. Not to be used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.

02 90 55 00-0003	HR	Skilled Tradesman For Emergency Clean Up	62.16	
02 90 55 00-0004	HR	Restoration / Document Laborer For Emergency Clean Up	43.51	
02 90 55 00-0005	HR	Restoration / Document Supervisor For Emergency Clean Up	59.83	
02 90 55 00-0006	HR	Restoration / Document Project Manager For Emergency Clean Up	97.90	
02 90 55 00-0007	HR	Assistant Project Manager For Emergency Clean Up	81.58	
02 90 55 00-0008	HR	Senior Project Manager For Emergency Clean Up	114.22	
02 90 55 00-0009	HR	Project Director / Document Consultant / Account Manager For Emergency Clean Up	163.17	
02 90 55 00-0010	HR	Equipment Technician For Emergency Clean Up	119.66	
02 90 55 00-0011	HR	Mold Remediation Laborer For Emergency Clean Up	59.57	
02 90 55 00-0012	HR	Mold Remediation Supervisor For Emergency Clean Up	81.58	
02 90 55 00-0013	HR	Administrative Personnel For Emergency Clean Up	38.07	
02 90 55 00-0014	HR	Project Accountant For Emergency Clean Up	62.16	
02 90 55 00-0015	HR	Biohazard Technician For Emergency Clean Up	86.38	
02 90 55 00-0016	HR	Biohazard Supervisor For Emergency Clean Up	103.86	
02 90 55 00-0017	HR	Health And Safety Officer For Emergency Clean Up	93.24	
02 90 55 00-0018	HR	Resource And Logistics Coordinator For Emergency Clean Up	67.34	
02 90 55 00-0019	HR	Loss Control Specialist For Emergency Clean Up	65.27	
02 90 55 00-0020	HR	Moisture Control Specialist For Emergency Clean Up	53.87	
02 90 55 00-0021	HR	Mobilzation Support For Emergency Clean Up	33.15	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0022		**Emergency Clean-up Equipment** *(02 90 55 00-0001)* Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.		
02 90 55 00-0023		**General Emergency Clean-up Equipment** *(02 90 55 00-0022)*		
02 90 55 00-0024	DAY	265 CFM Portable Ozone Machine, 12,000 MG/HR For Emergency Clean-up	108.38	
02 90 55 00-0025	WK	265 CFM Portable Ozone Machine, 12,000 MG/HR For Emergency Clean-up	413.44	
02 90 55 00-0026	MO	265 CFM Portable Ozone Machine, 12,000 MG/HR For Emergency Clean-up	1,131.95	
02 90 55 00-0027	DAY	13" Floor Buffer Rental For Emergency Clean-up	36.26	
02 90 55 00-0028	WK	13" Floor Buffer Rental For Emergency Clean-up	81.74	
02 90 55 00-0029	MO	13" Floor Buffer Rental For Emergency Clean-up	225.64	
02 90 55 00-0030	DAY	17" Floor Buffer Rental For Emergency Clean-up	56.41	
02 90 55 00-0031	WK	17" Floor Buffer Rental For Emergency Clean-up	143.90	
02 90 55 00-0032	MO	17" Floor Buffer Rental For Emergency Clean-up	339.60	
02 90 55 00-0033	DAY	Walk Behind Floor Scrubber Rental For Emergency Clean-up	310.82	
02 90 55 00-0034	WK	Walk Behind Floor Scrubber Rental For Emergency Clean-up	834.62	
02 90 55 00-0035	MO	Walk Behind Floor Scrubber Rental For Emergency Clean-up	2,325.42	
02 90 55 00-0036	DAY	Ride-On Floor Scrubber Rental For Emergency Clean-up	702.23	
02 90 55 00-0037	WK	Ride-On Floor Scrubber Rental For Emergency Clean-up	1,853.43	
02 90 55 00-0038	MO	Ride-On Floor Scrubber Rental For Emergency Clean-up	4,996.21	
02 90 55 00-0039	DAY	4 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	71.73	
02 90 55 00-0040	WK	4 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	203.78	
02 90 55 00-0041	MO	4 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	700.99	
02 90 55 00-0042	DAY	8 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	66.84	
02 90 55 00-0043	WK	8 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	179.32	
02 90 55 00-0044	MO	8 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	464.61	
02 90 55 00-0045	DAY	17 to 30 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	106.94	
02 90 55 00-0046	WK	17 to 30 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	305.17	
02 90 55 00-0047	MO	17 to 30 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	852.92	
02 90 55 00-0048	DAY	Truck Mounted Extractor Rental For Emergency Clean-up	994.41	
02 90 55 00-0049	WK	Truck Mounted Extractor Rental For Emergency Clean-up	2,983.22	
02 90 55 00-0050	MO	Truck Mounted Extractor Rental For Emergency Clean-up	8,949.65	
02 90 55 00-0051	DAY	16" Chain Saw Rental For Emergency Clean-up	78.25	
02 90 55 00-0052	WK	16" Chain Saw Rental For Emergency Clean-up	176.06	
02 90 55 00-0053	MO	16" Chain Saw Rental For Emergency Clean-up	469.50	
02 90 55 00-0054	DAY	20" Chain Saw Rental For Emergency Clean-up	97.81	
02 90 55 00-0055	WK	20" Chain Saw Rental For Emergency Clean-up	220.08	
02 90 55 00-0056	MO	20" Chain Saw Rental For Emergency Clean-up	586.87	
02 90 55 00-0057	EA	Cleaning Kit With Mop, Broom And Bucket For Emergency Clean-up	73.36	
02 90 55 00-0058	DAY	14" To 16" Electric Cut Off Saw Rental For Emergency Clean-up	104.33	
02 90 55 00-0059	WK	14" To 16" Electric Cut Off Saw Rental For Emergency Clean-up	285.28	
02 90 55 00-0060	MO	14" To 16" Electric Cut Off Saw Rental For Emergency Clean-up	798.80	
02 90 55 00-0061	DAY	12" To 14" Gasoline Cut Off Saw Rental For Emergency Clean-up	127.16	
02 90 55 00-0062	WK	12" To 14" Gasoline Cut Off Saw Rental For Emergency Clean-up	432.00	
02 90 55 00-0063	MO	12" To 14" Gasoline Cut Off Saw Rental For Emergency Clean-up	823.25	
02 90 55 00-0064	DAY	Wet Or Dry Portable Cleaning Unit For Emergency Clean-up	118.21	
02 90 55 00-0065	WK	Wet Or Dry Portable Cleaning Unit For Emergency Clean-up	325.08	
02 90 55 00-0066	MO	Wet Or Dry Portable Cleaning Unit For Emergency Clean-up	886.59	
02 90 55 00-0067	DAY	Extension Cords - 220 Volt For Emergency Clean-up	40.76	
02 90 55 00-0068	DAY	Extension Cords - 220 Volt Converter Box For Emergency Clean-up	24.45	
02 90 55 00-0069	DAY	Demolition Cart, 1 Yard For Emergency Clean-up	65.21	
02 90 55 00-0070	WK	Demolition Cart, 1 Yard For Emergency Clean-up	179.32	
02 90 55 00-0071	MO	Demolition Cart, 1 Yard For Emergency Clean-up	489.06	
02 90 55 00-0072	DAY	Demolition Cart, 1-1/2 Yard For Emergency Clean-up	81.51	
02 90 55 00-0073	WK	Demolition Cart, 1-1/2 Yard For Emergency Clean-up	224.15	
02 90 55 00-0074	MO	Demolition Cart, 1-1/2 Yard For Emergency Clean-up	611.32	
02 90 55 00-0075	EA	Demolition Kit With Wheel Barrow, Shovel And Broom For Emergency Clean-up	122.26	
02 90 55 00-0076	DAY	Dry-Ice Blasting System For Emergency Clean-up	1,752.59	
02 90 55 00-0077	DAY	Fogger - Mist For Emergency Clean-up	34.77	
02 90 55 00-0078	WK	Fogger - Mist For Emergency Clean-up	95.61	
02 90 55 00-0079	MO	Fogger - Mist For Emergency Clean-up	260.76	
02 90 55 00-0080	DAY	Fogger - Electric Thermal For Emergency Clean-up	50.07	
02 90 55 00-0081	WK	Fogger - Electric Thermal For Emergency Clean-up	137.68	
02 90 55 00-0082	MO	Fogger - Electric Thermal For Emergency Clean-up	375.50	
02 90 55 00-0083	DAY	Fogger - Gas Power Thermal For Emergency Clean-up	196.82	
02 90 55 00-0084	WK	Fogger - Gas Power Thermal For Emergency Clean-up	541.27	
02 90 55 00-0085	MO	Fogger - Gas Power Thermal For Emergency Clean-up	1,476.18	
02 90 55 00-0086	EA	Gang Box, Demo/Framing (One Time Per Job) For Emergency Clean-up	165.56	
02 90 55 00-0087	WK	Gang Box, Demo/Framing (One Time Per Job) For Emergency Clean-up	455.30	
02 90 55 00-0088	MO	Gang Box, Demo/Framing (One Time Per Job) For Emergency Clean-up	1,241.72	
02 90 55 00-0089	DAY	Hand Trucks/Dollies For Emergency Clean-up	19.56	
02 90 55 00-0090	WK	Hand Trucks/Dollies For Emergency Clean-up	53.80	
02 90 55 00-0091	MO	Hand Trucks/Dollies For Emergency Clean-up	146.72	
02 90 55 00-0092	DAY	Heat Gun - Shrink Wrap For Emergency Clean-up	135.02	
02 90 55 00-0093	WK	Heat Gun - Shrinkwrap For Emergency Clean-up	371.31	
02 90 55 00-0094	MO	Heat Gun - Shrinkwrap For Emergency Clean-up	1,012.67	
02 90 55 00-0095	DAY	High Efficiency Particulate Air (HEPA) Negative Air Machine For Emergency Clean-up Note: Includes all filters.	145.70	
02 90 55 00-0096	DAY	Ladder For Emergency Clean-up	27.71	
02 90 55 00-0097	DAY	Lights - Demo, Drop, Stand, String For Emergency Clean-up	25.03	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0098	DAY	Lights - Wobble For Emergency Clean-up	30.60	
02 90 55 00-0099	DAY	Moisture Meter For Emergency Clean-up	41.72	
02 90 55 00-0100	WK	Moisture Meter For Emergency Clean-up	114.73	
02 90 55 00-0101	MO	Moisture Meter For Emergency Clean-up	312.91	
02 90 55 00-0102	DAY	Nail Gun For Emergency Clean-up	73.36	
02 90 55 00-0103	WK	Nail Gun For Emergency Clean-up	201.74	
02 90 55 00-0104	MO	Nail Gun For Emergency Clean-up	550.19	
02 90 55 00-0105	DAY	Ozone Generator For Emergency Clean-up	173.84	
02 90 55 00-0106	DAY	PPE (Personal Protective Equipment) Mold Remediation Related For Emergency Clean-up	97.81	
02 90 55 00-0107	DAY	Portable Generator, Up To 7,500 Watt For Emergency Clean-up	139.07	
02 90 55 00-0108	DAY	Pressure Washer, Hot For Emergency Clean-up	208.61	
02 90 55 00-0109	DAY	Pressure Washer, Cold For Emergency Clean-up	139.07	
02 90 55 00-0110	DAY	Scaffolding - Per Section For Emergency Clean-up	105.96	
02 90 55 00-0111	DAY	Small Tools - Tool Box For Emergency Clean-up	40.76	
02 90 55 00-0112	DAY	Soda Blasting Equipment For Emergency Clean-up	1,739.09	
02 90 55 00-0113	DAY	Sprayer - Hudson For Emergency Clean-up	13.04	
02 90 55 00-0114	WK	Sprayer - Hudson For Emergency Clean-up	35.86	
02 90 55 00-0115	MO	Sprayer - Hudson For Emergency Clean-up	97.81	
02 90 55 00-0116	DAY	0.47 GPM, Airless Paint Sprayer For Emergency Clean-up	88.10	
02 90 55 00-0117	WK	0.47 GPM, Airless Paint Sprayer For Emergency Clean-up	259.20	
02 90 55 00-0118	MO	0.47 GPM, Airless Paint Sprayer For Emergency Clean-up	887.19	
02 90 55 00-0119	DAY	0.60 GPM, Airless Paint Sprayer For Emergency Clean-up	173.71	
02 90 55 00-0120	WK	0.60 GPM, Airless Paint Sprayer For Emergency Clean-up	409.47	
02 90 55 00-0121	MO	0.60 GPM, Airless Paint Sprayer For Emergency Clean-up	1,141.56	
02 90 55 00-0122	DAY	0.80 GPM, Airless Paint Sprayer For Emergency Clean-up	186.12	
02 90 55 00-0123	WK	0.80 GPM, Airless Paint Sprayer For Emergency Clean-up	465.31	
02 90 55 00-0124	MO	0.80 GPM, Airless Paint Sprayer For Emergency Clean-up	1,253.23	
02 90 55 00-0125	DAY	Storage Space (Per SF Per Day) For Emergency Clean-up	4.69	
02 90 55 00-0126	DAY	Submersible Pump For Emergency Clean-up	34.77	
02 90 55 00-0127	DAY	Trash Pump - 2" Gas Powered For Emergency Clean-up	250.24	
02 90 55 00-0128	DAY	Vehicle, Pick-up, SUV, Car For Emergency Clean-up	124.22	
02 90 55 00-0129	DAY	Vehicle, Van For Emergency Clean-up	202.53	
02 90 55 00-0130	DAY	16' Or 24' Box Truck Vehicle For Emergency Clean-up Note: Includes Mileage	273.37	
02 90 55 00-0131	DAY	Trailer - Refrigerated 40' Storage For Emergency Clean-up	269.14	
02 90 55 00-0132	DAY	Utility Trailer For Emergency Clean-up Note: Includes Mileage	224.14	
02 90 55 00-0133	DAY	Truck Mount, Per Wand Extraction For Emergency Clean-up	1,010.87	
02 90 55 00-0134	DAY	High Efficiency Particulate Air (HEPA) Backpack Vacuum For Emergency Clean-up	34.77	
02 90 55 00-0135	WK	High Efficiency Particulate Air (HEPA) Backpack Vacuum For Emergency Clean-up	95.61	
02 90 55 00-0136	MO	High Efficiency Particulate Air (HEPA) Backpack Vacuum For Emergency Clean-up	260.76	
02 90 55 00-0137	DAY	12 Gallon, Industrial High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	118.21	
02 90 55 00-0138	WK	12 Gallon, Industrial High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	325.08	
02 90 55 00-0139	MO	12 Gallon, Industrial High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	886.59	
02 90 55 00-0140	DAY	Vacuum - Upright For Emergency Clean-up	29.70	
02 90 55 00-0141	WK	Vacuum - Upright For Emergency Clean-up	81.69	
02 90 55 00-0142	MO	Vacuum - Upright For Emergency Clean-up	222.79	
02 90 55 00-0143	DAY	12 To 23 Gallon, Wet/Dry Shop Vacuum For Emergency Clean-up	50.54	
02 90 55 00-0144	WK	12 To 23 Gallon, Wet/Dry Shop Vacuum For Emergency Clean-up	125.53	
02 90 55 00-0145	MO	12 To 23 Gallon, Wet/Dry Shop Vacuum For Emergency Clean-up	301.59	
02 90 55 00-0146	DAY	55 Gallon Wet/Dry Drum Top Vacuum For Emergency Clean-up	50.54	
02 90 55 00-0147	WK	55 Gallon Wet/Dry Drum Top Vacuum For Emergency Clean-up	125.53	
02 90 55 00-0148	MO	55 Gallon Wet/Dry Drum Top Vacuum For Emergency Clean-up	317.89	
02 90 55 00-0149	DAY	17 Gallon Wet Vacuum With Pump Discharge For Emergency Clean-up	115.74	
02 90 55 00-0150	WK	17 Gallon Wet Vacuum With Pump Discharge For Emergency Clean-up	309.74	
02 90 55 00-0151	MO	17 Gallon Wet Vacuum With Pump Discharge For Emergency Clean-up	864.01	
02 90 55 00-0152	DAY	Zip Wall Poles (Per 2 Poles) For Emergency Clean-up	34.77	
02 90 55 00-0153	WK	Zip Wall Poles (Per 2 Poles) For Emergency Clean-up	95.61	
02 90 55 00-0154	MO	Zip Wall Poles (Per 2 Poles) For Emergency Clean-up	260.76	
02 90 55 00-0155	DAY	10' x 10' Canopy For Emergency Clean-up	102.70	
02 90 55 00-0156	WK	10' x 10' Canopy For Emergency Clean-up	205.41	
02 90 55 00-0157	MO	10' x 10' Canopy For Emergency Clean-up	410.81	
02 90 55 00-0158	DAY	10' x 20' Canopy For Emergency Clean-up	205.41	
02 90 55 00-0159	WK	10' x 20' Canopy For Emergency Clean-up	410.81	
02 90 55 00-0160	MO	10' x 20' Canopy For Emergency Clean-up	821.62	
02 90 55 00-0161	DAY	16' x 16' Canopy For Emergency Clean-up	257.57	
02 90 55 00-0162	WK	16' x 16' Canopy For Emergency Clean-up	515.14	
02 90 55 00-0163	MO	16' x 16' Canopy For Emergency Clean-up	1,030.29	
02 90 55 00-0164	DAY	20' x 20' Canopy For Emergency Clean-up	342.34	
02 90 55 00-0165	WK	20' x 20' Canopy For Emergency Clean-up	684.68	
02 90 55 00-0166	MO	20' x 20' Canopy For Emergency Clean-up	1,369.37	
02 90 55 00-0167	DAY	20' x 30' Canopy For Emergency Clean-up	391.25	
02 90 55 00-0168	WK	20' x 30' Canopy For Emergency Clean-up	782.50	
02 90 55 00-0169	MO	20' x 30' Canopy For Emergency Clean-up	1,564.99	
02 90 55 00-0170	DAY	20' x 40' Canopy For Emergency Clean-up	456.46	
02 90 55 00-0171	WK	20' x 40' Canopy For Emergency Clean-up	912.91	
02 90 55 00-0172	MO	20' x 40' Canopy For Emergency Clean-up	1,825.82	
02 90 55 00-0173	DAY	First Aid Station For Emergency Clean-up	246.49	
02 90 55 00-0174	WK	First Aid Station For Emergency Clean-up	677.84	
02 90 55 00-0175	MO	First Aid Station For Emergency Clean-up	1,848.65	
02 90 55 00-0176	DAY	Portable Eyewash Station For Emergency Clean-up	74.86	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0177	WK	Portable Eyewash Station For Emergency Clean-up	205.86	
02 90 55 00-0178	MO	Portable Eyewash Station For Emergency Clean-up	561.44	
02 90 55 00-0179	DAY	2 Way Radio For Emergency Clean-up	40.67	

02 90 55 00-0180 Technical/Electronics Restoration Equipment *(02 90 55 00-0022)*

02 90 55 00-0181	DAY	Computer - Diagnostic For Emergency Clean-up	40.76	
02 90 55 00-0182	WK	Computer - Diagnostic For Emergency Clean-up	112.08	
02 90 55 00-0183	MO	Computer - Diagnostic For Emergency Clean-up	305.66	
02 90 55 00-0184	DAY	Convection Oven - Large For Emergency Clean-up	785.83	
02 90 55 00-0185	WK	Convection Oven - Large For Emergency Clean-up	2,161.04	
02 90 55 00-0186	MO	Convection Oven - Large For Emergency Clean-up	5,893.73	
02 90 55 00-0187	DAY	Convection Oven - Small For Emergency Clean-up	146.72	
02 90 55 00-0188	WK	Convection Oven - Small For Emergency Clean-up	403.47	
02 90 55 00-0189	MO	Convection Oven - Small For Emergency Clean-up	1,100.38	
02 90 55 00-0190	DAY	Convection Oven - Vacuum For Emergency Clean-up	1,121.59	
02 90 55 00-0191	WK	Convection Oven - Vacuum For Emergency Clean-up	3,084.36	
02 90 55 00-0192	MO	Convection Oven - Vacuum For Emergency Clean-up	8,411.90	
02 90 55 00-0193	DAY	Decontamination Booth For Emergency Clean-up	927.15	
02 90 55 00-0194	WK	Decontamination Booth For Emergency Clean-up	2,549.67	
02 90 55 00-0195	MO	Decontamination Booth For Emergency Clean-up	6,953.66	
02 90 55 00-0196	DAY	DI Water System For Emergency Clean-up	72.01	
02 90 55 00-0197	WK	DI Water System For Emergency Clean-up	198.03	
02 90 55 00-0198	MO	DI Water System For Emergency Clean-up	540.09	
02 90 55 00-0199	DAY	ESD Bench Workstation For Emergency Clean-up	44.11	
02 90 55 00-0200	WK	ESD Bench Workstation For Emergency Clean-up	121.30	
02 90 55 00-0201	MO	ESD Bench Workstation For Emergency Clean-up	330.81	
02 90 55 00-0202	DAY	Heater/Enclosure Control System For Emergency Clean-up	24.45	
02 90 55 00-0203	WK	Heater/Enclosure Control System For Emergency Clean-up	67.25	
02 90 55 00-0204	MO	Heater/Enclosure Control System For Emergency Clean-up	183.40	
02 90 55 00-0205	DAY	Hi-Tech Mobile Cart/Workstation For Emergency Clean-up	113.42	
02 90 55 00-0206	WK	Hi-Tech Mobile Cart/Workstation For Emergency Clean-up	311.90	
02 90 55 00-0207	MO	Hi-Tech Mobile Cart/Workstation For Emergency Clean-up	850.64	
02 90 55 00-0208	DAY	Micro-Blaster/Dust Collector For Emergency Clean-up	366.80	
02 90 55 00-0209	WK	Micro-Blaster/Dust Collector For Emergency Clean-up	1,008.69	
02 90 55 00-0210	MO	Micro-Blaster/Dust Collector For Emergency Clean-up	2,750.96	
02 90 55 00-0211	DAY	Mobile Laboratory For Emergency Clean-up	1,018.88	
02 90 55 00-0212	WK	Mobile Laboratory For Emergency Clean-up	2,801.91	
02 90 55 00-0213	MO	Mobile Laboratory For Emergency Clean-up	7,641.56	
02 90 55 00-0214	DAY	Nitrogen Enclosure Cabinet For Emergency Clean-up	19.56	
02 90 55 00-0215	WK	Nitrogen Enclosure Cabinet For Emergency Clean-up	53.80	
02 90 55 00-0216	MO	Nitrogen Enclosure Cabinet For Emergency Clean-up	146.72	
02 90 55 00-0217	DAY	Odell Cleaning Station For Emergency Clean-up	570.57	
02 90 55 00-0218	WK	Odell Cleaning Station For Emergency Clean-up	1,569.07	
02 90 55 00-0219	MO	Odell Cleaning Station For Emergency Clean-up	4,279.28	
02 90 55 00-0220	DAY	Parts Washer For Emergency Clean-up	40.76	
02 90 55 00-0221	WK	Parts Washer For Emergency Clean-up	112.08	
02 90 55 00-0222	MO	Parts Washer For Emergency Clean-up	305.66	
02 90 55 00-0223	DAY	Ultrasonic Cleaning System For Emergency Clean-up	337.56	
02 90 55 00-0224	WK	Ultrasonic Cleaning System For Emergency Clean-up	928.28	
02 90 55 00-0225	MO	Ultrasonic Cleaning System For Emergency Clean-up	2,531.67	
02 90 55 00-0226	DAY	Technical High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	160.68	
02 90 55 00-0227	WK	Technical High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	441.86	
02 90 55 00-0228	MO	Technical High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	1,205.08	

02 90 55 00-0229 Drying/Dehumidification Equipment *(02 90 55 00-0022)*

02 90 55 00-0230	DAY	202 CFM Water Extraction Unit With Dual 3-Stage Vacuums For Emergency Clean-up Note: Includes 25' high-pressure solution hose and 25' Vacuum hose.	173.84	
02 90 55 00-0231	WK	202 CFM Water Extraction Unit With Dual 3-Stage Vacuums For Emergency Clean-up Note: Includes 25' high-pressure solution hose and 25' Vacuum hose.	478.06	
02 90 55 00-0232	MO	202 CFM Water Extraction Unit With Dual 3-Stage Vacuums For Emergency Clean-up Note: Includes 25' high-pressure solution hose and 25' Vacuum hose.	1,303.80	
02 90 55 00-0233	DAY	2,200 CFM Centrifugal Air Mover For Emergency Clean-up	59.36	
02 90 55 00-0234	WK	2,200 CFM Centrifugal Air Mover For Emergency Clean-up	163.24	
02 90 55 00-0235	MO	2,200 CFM Centrifugal Air Mover For Emergency Clean-up	445.20	
02 90 55 00-0236	DAY	3,000 CFM Axial Air Mover For Emergency Clean-up	98.93	
02 90 55 00-0237	WK	3,000 CFM Axial Air Mover For Emergency Clean-up	272.07	
02 90 55 00-0238	MO	3,000 CFM Axial Air Mover For Emergency Clean-up	742.00	
02 90 55 00-0239	DAY	Injectidry System For Emergency Clean-up	215.56	
02 90 55 00-0240	WK	Injectidry System For Emergency Clean-up	592.80	
02 90 55 00-0241	MO	Injectidry System For Emergency Clean-up	1,616.72	
02 90 55 00-0242	DAY	Up To 100 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	139.07	
02 90 55 00-0243	WK	Up To 100 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	382.45	
02 90 55 00-0244	MO	Up To 100 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	1,043.04	
02 90 55 00-0245	DAY	>100 To 175 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	165.56	
02 90 55 00-0246	WK	>100 To 175 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	455.30	
02 90 55 00-0247	MO	>100 To 175 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	1,241.72	
02 90 55 00-0248	DAY	>175 To 250 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	192.05	
02 90 55 00-0249	WK	>175 To 250 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	528.14	
02 90 55 00-0250	MO	>175 To 250 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	1,440.39	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0251	DAY	Phoenix 200 Refrigerant Dehumidifier For Emergency Clean-up	205.30	
02 90 55 00-0252	WK	Phoenix 200 Refrigerant Dehumidifier For Emergency Clean-up	564.57	
02 90 55 00-0253	MO	Phoenix 200 Refrigerant Dehumidifier For Emergency Clean-up	1,539.73	
02 90 55 00-0254	DAY	Phoenix 300 Refrigerant Dehumidifier For Emergency Clean-up	205.30	
02 90 55 00-0255	WK	Phoenix 300 Refrigerant Dehumidifier For Emergency Clean-up	564.57	
02 90 55 00-0256	MO	Phoenix 300 Refrigerant Dehumidifier For Emergency Clean-up	1,539.73	
02 90 55 00-0257	DAY	D-500 Desiccant Dehumidifier For Emergency Clean-up	231.79	
02 90 55 00-0258	WK	D-500 Desiccant Dehumidifier For Emergency Clean-up	637.42	
02 90 55 00-0259	MO	D-500 Desiccant Dehumidifier For Emergency Clean-up	1,738.41	
02 90 55 00-0260	DAY	D-750 Desiccant Dehumidifier For Emergency Clean-up	486.75	
02 90 55 00-0261	WK	D-750 Desiccant Dehumidifier For Emergency Clean-up	1,338.57	
02 90 55 00-0262	MO	D-750 Desiccant Dehumidifier For Emergency Clean-up	3,650.65	
02 90 55 00-0263	DAY	D-1000 Desiccant Dehumidifier For Emergency Clean-up	834.44	
02 90 55 00-0264	WK	D-1000 Desiccant Dehumidifier For Emergency Clean-up	2,294.70	
02 90 55 00-0265	MO	D-1000 Desiccant Dehumidifier For Emergency Clean-up	6,258.26	
02 90 55 00-0266	DAY	D-1500 Desiccant Dehumidifier For Emergency Clean-up	1,284.76	
02 90 55 00-0267	WK	D-1500 Desiccant Dehumidifier For Emergency Clean-up	3,533.10	
02 90 55 00-0268	MO	D-1500 Desiccant Dehumidifier For Emergency Clean-up	9,635.74	
02 90 55 00-0269	DAY	D-2000 Desiccant Dehumidifier For Emergency Clean-up	1,284.76	
02 90 55 00-0270	WK	D-2000 Desiccant Dehumidifier For Emergency Clean-up	3,533.10	
02 90 55 00-0271	MO	D-2000 Desiccant Dehumidifier For Emergency Clean-up	9,635.74	
02 90 55 00-0272	DAY	D-2250 Desiccant Dehumidifier For Emergency Clean-up	1,341.72	
02 90 55 00-0273	WK	D-2250 Desiccant Dehumidifier For Emergency Clean-up	3,689.73	
02 90 55 00-0274	MO	D-2250 Desiccant Dehumidifier For Emergency Clean-up	10,062.89	
02 90 55 00-0275	DAY	D-3000 Desiccant Dehumidifier For Emergency Clean-up	1,668.87	
02 90 55 00-0276	WK	D-3000 Desiccant Dehumidifier For Emergency Clean-up	4,589.39	
02 90 55 00-0277	MO	D-3000 Desiccant Dehumidifier For Emergency Clean-up	12,516.52	
02 90 55 00-0278	DAY	D-4500 Desiccant Dehumidifier For Emergency Clean-up	1,877.48	
02 90 55 00-0279	WK	D-4500 Desiccant Dehumidifier For Emergency Clean-up	5,163.07	
02 90 55 00-0280	MO	D-4500 Desiccant Dehumidifier For Emergency Clean-up	14,081.09	
02 90 55 00-0281	DAY	D-5000 Desiccant Dehumidifier For Emergency Clean-up	2,016.55	
02 90 55 00-0282	WK	D-5000 Desiccant Dehumidifier For Emergency Clean-up	5,545.52	
02 90 55 00-0283	MO	D-5000 Desiccant Dehumidifier For Emergency Clean-up	15,124.13	
02 90 55 00-0284	DAY	D-9000 Desiccant Dehumidifier For Emergency Clean-up	2,649.00	
02 90 55 00-0285	WK	D-9000 Desiccant Dehumidifier For Emergency Clean-up	7,284.75	
02 90 55 00-0286	MO	D-9000 Desiccant Dehumidifier For Emergency Clean-up	19,867.50	
02 90 55 00-0287	DAY	D-10500 Desiccant Dehumidifier For Emergency Clean-up	2,781.45	
02 90 55 00-0288	WK	D-10500 Desiccant Dehumidifier For Emergency Clean-up	7,648.99	
02 90 55 00-0289	MO	D-10500 Desiccant Dehumidifier For Emergency Clean-up	20,860.88	
02 90 55 00-0290	DAY	3.5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	660.83	
02 90 55 00-0291	WK	3.5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	1,817.28	
02 90 55 00-0292	MO	3.5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	4,956.23	
02 90 55 00-0293	DAY	5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	915.00	
02 90 55 00-0294	WK	5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	2,516.24	
02 90 55 00-0295	MO	5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	6,862.47	
02 90 55 00-0296	DAY	10 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	834.44	
02 90 55 00-0297	WK	10 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	2,294.70	
02 90 55 00-0298	MO	10 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	6,258.26	
02 90 55 00-0299	DAY	25 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	1,112.58	
02 90 55 00-0300	WK	25 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	3,059.60	
02 90 55 00-0301	MO	25 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	8,344.35	
02 90 55 00-0302	DAY	50 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	1,877.48	
02 90 55 00-0303	WK	50 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	5,163.07	
02 90 55 00-0304	MO	50 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	14,081.09	
02 90 55 00-0305	DAY	80 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	2,086.09	
02 90 55 00-0306	WK	80 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	5,736.74	
02 90 55 00-0307	MO	80 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	15,645.66	
02 90 55 00-0308	DAY	25' Flex Duct For Emergency Clean-up	27.81	
02 90 55 00-0309	WK	25' Flex Duct For Emergency Clean-up	76.49	
02 90 55 00-0310	MO	25' Flex Duct For Emergency Clean-up	208.61	
02 90 55 00-0311	DAY	Hygrothermograph For Emergency Clean-up	40.76	
02 90 55 00-0312	WK	Hygrothermograph For Emergency Clean-up	112.08	
02 90 55 00-0313	MO	Hygrothermograph For Emergency Clean-up	305.66	
02 90 55 00-0314	DAY	Dehumidification Trailer With 1,500 CFM Desiccant Unit For Emergency Clean-up Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.	9,567.86	
02 90 55 00-0315	WK	Dehumidification Trailer With 1,500 CFM Desiccant Unit For Emergency Clean-up Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.	26,311.62	
02 90 55 00-0316	MO	Dehumidification Trailer With 1,500 CFM Desiccant Unit For Emergency Clean-up Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.	71,758.97	

02 90 55 00-0317 Power Equipment *(02 90 55 00-0022)*

02 90 55 00-0318	WK	Up to 65 KVA Generator For Emergency Clean-up	1,258.72	
02 90 55 00-0319	WK	>65 to 125 KVA Generator For Emergency Clean-up	2,130.15	
02 90 55 00-0320	WK	>125 to 250 KVA Generator For Emergency Clean-up	2,077.59	
02 90 55 00-0321	WK	>250 to 375 KVA Generator For Emergency Clean-up	3,582.52	
02 90 55 00-0322	WK	>375 Up to 440 KVA Generator For Emergency Clean-up	4,841.25	
02 90 55 00-0323	WK	>440 to 625 KVA Generator For Emergency Clean-up	7,289.80	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0324	WK	>625 to 800 KVA Generator For Emergency Clean-up	7,455.52	
02 90 55 00-0325	WK	>800 to 1,000 KVA Generator For Emergency Clean-up	9,972.98	
02 90 55 00-0326	WK	>1,000 to 1,500 KVA Generator For Emergency Clean-up	15,007.88	
02 90 55 00-0327	EA	Generator Cable/Pigtails (Per Section) For Emergency Clean-up	32.53	
02 90 55 00-0328	EA	Sub-Distribution Panel (Spider Box) For Emergency Clean-up	155.89	
02 90 55 00-0329	EA	Electrical Distribution Panel For Emergency Clean-up	337.56	
02 90 55 00-0330	EA	Quad Box Strings (25' Sections) For Emergency Clean-up	58.58	
02 90 55 00-0331	EA	50' Power Cord For Spider Box For Emergency Clean-up	54.22	
02 90 55 00-0332	EA	Pig Tails (Per Each) For Emergency Clean-up	4.08	
02 90 55 00-0333		**Freight Charges** *(02 90 55 00-0022)*		
02 90 55 00-0334	MI	Freight Up To 1 Ton Pick Up Truck For Emergency Clean-up Equipment	2.04	
02 90 55 00-0335	MI	Freight >1 Ton Pick Up Truck For Emergency Clean-up Equipment	3.67	
02 90 55 00-0336	MI	Freight 16' Or 24' Box Truck For Emergency Clean-up Equipment	3.67	
02 90 55 00-0337	MI	Freight Tractor Trailer For Emergency Clean-up Equipment	5.30	
02 90 55 00-0338		**Emergency Clean-up Personal Protection Equipment** *(02 90 55 00-0001)* Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.		
02 90 55 00-0339	EA	Tyvek Coveralls For Emergency Clean-up Personal Protection Equipment	11.51	
02 90 55 00-0340	EA	Tyvek Coveralls With Elastic Wrists And Ankles For Emergency Clean-up Personal Protection Equipment	14.08	
02 90 55 00-0341	EA	Tyvek Coveralls With Hood, Elastic Wrists And Ankles For Emergency Clean-up Personal Protection Equipment	14.76	
02 90 55 00-0342	EA	Tyvek Coveralls With Hood, Boots, Elastic Wrists And Ankles For Emergency Clean-up Personal Protection Equipment	18.61	
02 90 55 00-0343	EA	Disposable Dual Cartridge Half-Mask Respirator For Emergency Clean-up Personal Protection Equipment	129.50	
02 90 55 00-0344	EA	N95 Respirator For Emergency Clean-up Personal Protection Equipment	5.04	
02 90 55 00-0345	EA	N95 Respirator With Valve For Emergency Clean-up Personal Protection Equipment	5.89	
02 90 55 00-0346	PR	3M Respirator Cartridges For Emergency Clean-up Personal Protection Equipment	39.54	
02 90 55 00-0347	EA	Respirator Cleaning Wipes, Per Box 100 For Emergency Clean-up Personal Protection Equipment	31.64	
02 90 55 00-0348	PR	P100 Respirator Cartridges For Emergency Clean-up Personal Protection Equipment	39.54	
02 90 55 00-0349	EA	Respirator Cartridge For Emergency Clean-up Personal Protection Equipment	40.21	
02 90 55 00-0350	BOX	Dust Mask, Box of 50, For Emergency Clean-up Personal Protection Equipment	44.83	
02 90 55 00-0351	PR	Cotton Canvas Gloves For Emergency Clean-up Personal Protection Equipment	4.05	
02 90 55 00-0352	BOX	5 Mil, Disposable Latex Gloves, Box of 100, For Emergency Clean-up Personal Protection Equipment	20.86	
02 90 55 00-0353	PR	4 Mil, Disposable Nitrile Gloves For Emergency Clean-up Personal Protection Equipment	0.44	
02 90 55 00-0354	PR	5 Mil, Disposable Vinyl Gloves For Emergency Clean-up Personal Protection Equipment	0.37	
02 90 55 00-0355	PR	17 Mil, Latex Gloves For Emergency Clean-up Personal Protection Equipment	1.76	
02 90 55 00-0356	PR	15 Mil, Nitrile Gloves For Emergency Clean-up Personal Protection Equipment	4.19	
02 90 55 00-0357	PR	Vinyl Coated Gloves With Knit Lining For Emergency Clean-up Personal Protection Equipment	5.74	
02 90 55 00-0358	PR	30 Mil, Polyvinyl Chloride (PVC) And Polyvinyl Chloride (PVC) Blend Gloves For Emergency Clean-up Personal Protection Equipment	6.43	
02 90 55 00-0359	PR	Leather Gloves For Emergency Clean-up Personal Protection Equipment	10.44	
02 90 55 00-0360	EA	Heavy-Duty, Rubber Gloves For Emergency Clean-up Personal Protection Equipment	17.81	
02 90 55 00-0361	PR	Polycarbonate Lens Safety Goggles For Emergency Clean-up Personal Protection Equipment	12.06	
02 90 55 00-0362	PR	Chemical Splash/Impact Resistant, Polycarbonate Lens Safety Goggles For Emergency Clean-up Personal Protection Equipment	19.89	
02 90 55 00-0363	PR	Plastic Safety Glasses For Emergency Clean-up Personal Protection Equipment	5.28	
02 90 55 00-0364	EA	Safety Harness (Per Person/Day) For Emergency Clean-up Personal Protection Equipment	6.95	
02 90 55 00-0365		**Emergency Clean-up Expendables** *(02 90 55 00-0001)* Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.		
02 90 55 00-0366		**General Materials** *(02 90 55 00-0365)*		
02 90 55 00-0367	GAL	Adhesive Remover For Emergency Clean-up	83.44	
02 90 55 00-0368	GAL	Bioside-HS Cleaning Solution For Emergency Clean-up	27.79	
02 90 55 00-0369	GAL	Biocide Mold Cleaning Solution For Emergency Clean-up	35.46	
02 90 55 00-0370	EA	10" x 12" x 15" Cardboard Storage Box For Emergency Clean-up	4.40	
02 90 55 00-0371	EA	10" x 12" x 24" Cardboard Storage Box For Emergency Clean-up	6.68	
02 90 55 00-0372	EA	10" x 15" x 24" Cardboard Storage Box For Emergency Clean-up	6.68	
02 90 55 00-0373	GAL	Bleach For Emergency Clean-up	8.97	
02 90 55 00-0374	EA	Small Stainless Brush For Emergency Clean-up	7.20	
02 90 55 00-0375	EA	2-1/2 Gallon Buckets For Emergency Clean-up	6.89	
02 90 55 00-0376	EA	5 Gallon Bucket For Emergency Clean-up	10.43	
02 90 55 00-0377	GAL	Carpet Defoamer For Emergency Clean-up	26.84	
02 90 55 00-0378	GAL	Carpet Pre-treat For Emergency Clean-up	26.64	
02 90 55 00-0379	GAL	Carpet Spotter For Emergency Clean-up	44.65	
02 90 55 00-0380	GAL	Carpet/Upholstery Cleaner For Emergency Clean-up	36.01	
02 90 55 00-0381	ROL	Carpet Masking/Shield For Emergency Clean-up	111.47	
02 90 55 00-0382	EA	Chemical Sponge For Emergency Clean-up	3.28	
02 90 55 00-0383	GAL	Clear Seal For Emergency Clean-up	112.19	
02 90 55 00-0384	GAL	Coil Cleaner For Emergency Clean-up	76.74	
02 90 55 00-0385	EA	Decontamination Chamber For Emergency Clean-up	333.47	
02 90 55 00-0386	GAL	All Purpose Degreaser For Emergency Clean-up	36.72	
02 90 55 00-0387	GAL	Heavy-Duty Degreaser For Emergency Clean-up	43.69	
02 90 55 00-0388	GAL	De-Foamer Liquid For Emergency Clean-up	48.25	
02 90 55 00-0389	EA	Deodorization Membrane For Emergency Clean-up	93.46	
02 90 55 00-0390	GAL	9-D-9 Smoke Deodorizer For Emergency Clean-up	144.24	
02 90 55 00-0391	LB	Deodorizing Gel For Emergency Clean-up	33.89	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0392	GAL	Deodorizing Liquid For Emergency Clean-up	49.56	
02 90 55 00-0393	PAIL	Deodorizing Block For Emergency Clean-up	8.52	
02 90 55 00-0394	GAL	Disinfectant/Anti-microbial For Emergency Clean-up	87.93	
02 90 55 00-0395	GAL	BruClean Disinfectant For Emergency Clean-up	39.04	
02 90 55 00-0396	GAL	Dryclean For Emergency Clean-up	38.94	
02 90 55 00-0397	GAL	Duct Sealant Spray For Emergency Clean-up	58.69	
02 90 55 00-0398	GAL	Antifungal Duct Sealant For Emergency Clean-up	84.77	
02 90 55 00-0399	GAL	Microbial Encapsulant (Fosters 20 - 40) For Emergency Clean-up	130.08	
02 90 55 00-0400	PR	Ear Plugs For Emergency Clean-up Personal Protection Equipment	0.53	
02 90 55 00-0401	GAL	Encapsulant For Emergency Clean-up	118.10	
02 90 55 00-0402	GAL	Aftershock Fiberlocke For Emergency Clean-up	103.70	
02 90 55 00-0403	GAL	IAQ 2500 Fiberlocke For Emergency Clean-up	100.66	
02 90 55 00-0404	GAL	IAS 6000 Fiberlocke For Emergency Clean-up	103.52	
02 90 55 00-0405	ROL	Filter Material For Emergency Clean-up	299.07	
02 90 55 00-0406	EA	Blue Paper Collection Bag Filter For Emergency Clean-up	8.06	
02 90 55 00-0407	EA	CVAC Filter For High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	639.66	
02 90 55 00-0408	EA	Pre-Filter For Negative Air Machine For Emergency Clean-up	3.07	
02 90 55 00-0409	EA	Pleated Filter For Negative Air Machine For Emergency Clean-up	13.66	
02 90 55 00-0410	EA	Charcoal Filter For Negative Air Machine For Emergency Clean-up	48.64	
02 90 55 00-0411	EA	High Efficiency Particulate Air (HEPA) Filter For Negative Air Machine For Emergency Clean-up	462.65	
02 90 55 00-0412	EA	Pleated Dehumidifier Filter For Emergency Clean-up	12.21	
02 90 55 00-0413	GAL	Floor Stripper For Emergency Clean-up	18.26	
02 90 55 00-0414	GAL	Floor Wax For Emergency Clean-up	26.08	
02 90 55 00-0415	GAL	Fogger (Thermal) For Emergency Clean-up	152.98	
02 90 55 00-0416	BOX	Furniture Blocks For Emergency Clean-up	123.22	
02 90 55 00-0417	EA	Furniture Polish, Per 10 Oz Can For Emergency Clean-up	16.60	
02 90 55 00-0418	GAL	Glass Cleaner For Emergency Clean-up	11.07	
02 90 55 00-0419	EA	Goof Off Spray, 12 Oz For Emergency Clean-up	19.36	
02 90 55 00-0420	EA	Halogen Light Bulbs For Emergency Clean-up	18.62	
02 90 55 00-0421	QT	Hand Sanitizer For Emergency Clean-up	9.21	
02 90 55 00-0422	EA	Hard Hats For Emergency Clean-up Personal Protection Equipment	7.58	
02 90 55 00-0423	BOX	Hog Rings, Box Of 2,500 For Emergency Clean-up	23.59	
02 90 55 00-0424	GAL	HVAC Coal Cleaner For Emergency Clean-up	68.77	
02 90 55 00-0425	BOX	Inventory Tag, Box Of 1,000 For Emergency Clean-up	165.97	
02 90 55 00-0426	EA	Utility Knives For Emergency Clean-up	14.35	
02 90 55 00-0427	ROL	13" Lay Flat Tubing (250' Roll) For Emergency Clean-up	142.37	
02 90 55 00-0428	ROL	20" Lay Flat Tubing (250' Roll) For Emergency Clean-up	150.30	
02 90 55 00-0429	ROL	29" Lay Flat Tubing (250' Roll) For Emergency Clean-up	299.26	
02 90 55 00-0430	ROL	39" Lay Flat Tubing (250' Roll) For Emergency Clean-up	432.55	
02 90 55 00-0431	GAL	Lemon Oil For Emergency Clean-up	44.50	
02 90 55 00-0432	GAL	LPS 1/Mecca Lube For Emergency Clean-up	47.39	
02 90 55 00-0433	GAL	LPS 2 For Emergency Clean-up	50.16	
02 90 55 00-0434	GAL	LPS Contact Cleaner For Emergency Clean-up	49.92	
02 90 55 00-0435	GAL	Light Lubricant Preserve For Emergency Clean-up	173.25	
02 90 55 00-0436	GAL	Heavy Lubricant Preserver For Emergency Clean-up	26.08	
02 90 55 00-0437	GAL	Machinery Cleaning Solvent For Emergency Clean-up	213.06	
02 90 55 00-0438	GAL	Metal Polishing Paste For Emergency Clean-up	32.07	
02 90 55 00-0439	GAL	MediClean® Disinfectant For Emergency Clean-up	52.71	
02 90 55 00-0440	GAL	Dri-Eaz Milgo Plus Sanitizer For Emergency Clean-up	64.70	
02 90 55 00-0441	EA	Mop Heads For Emergency Clean-up	7.90	
02 90 55 00-0442	EA	Nylon Scouring Pads For Emergency Clean-up	1.43	
02 90 55 00-0443	GAL	Odor Neutralizer For Emergency Clean-up	44.65	
02 90 55 00-0444	EA	Packing Paper, 25 Lb. Bundle For Emergency Clean-up	86.31	
02 90 55 00-0445	EA	Paint Brushes For Emergency Clean-up	6.52	
02 90 55 00-0446	ROL	Corrugated/Craft Paper, 48" x 250' For Emergency Clean-up	201.27	
02 90 55 00-0447	EA	Putty Knives For Emergency Clean-up	5.91	
02 90 55 00-0448	ROL	Red Resin Paper, 200' Roll For Emergency Clean-up	43.92	
02 90 55 00-0449	GAL	Reodorant For Emergency Clean-up	110.85	
02 90 55 00-0450	GAL	Restoracide For Emergency Clean-up	52.00	
02 90 55 00-0451	GAL	Rust Remover For Emergency Clean-up	77.88	
02 90 55 00-0452	EA	Saltesmo Test Samples For Emergency Clean-up	7.24	
02 90 55 00-0453	EA	Sand Bag For Emergency Clean-up Note: Excludes sand material	1.90	
02 90 55 00-0454	EA	Scotch-Brite 7447, Per Box 50 For Emergency Clean-up	34.56	
02 90 55 00-0455	EA	Small Scrub Brushes For Emergency Clean-up	16.56	
02 90 55 00-0456	GAL	Clear Soot Sealant For Emergency Clean-up	90.32	
02 90 55 00-0457	GAL	Pigmented Soot Sealant For Emergency Clean-up	243.58	
02 90 55 00-0458	ROL	Shrinkwrap Plastic For Emergency Clean-up	56.07	
02 90 55 00-0459	EA	Dry Sponges For Emergency Clean-up	5.76	
02 90 55 00-0460	EA	Spray Adhesive, Per Can For Emergency Clean-up	5.85	
02 90 55 00-0461	EA	Spray Bot./Trigger For Emergency Clean-up	5.03	
02 90 55 00-0462	GAL	Stain Remover For Emergency Clean-up	40.33	
02 90 55 00-0463	GAL	Stainless Steel Cleaner For Emergency Clean-up	11.02	
02 90 55 00-0464	EA	Stainless Steel Polish, Per Can For Emergency Clean-up	14.46	
02 90 55 00-0465	LB	Sweeping Compound For Emergency Clean-up	0.71	
02 90 55 00-0466	ROL	Duct Tape, 2" x 50 YD For Emergency Clean-up	11.44	
02 90 55 00-0467	ROL	Environmental (Teal) Tape, 3/4" x 1,440' For Emergency Clean-up	10.77	
02 90 55 00-0468	ROL	HVAC (Aluminum) Tape, 2" x 75' For Emergency Clean-up	28.69	
02 90 55 00-0469	ROL	Blue Masking (Painters) Tape, 1-1/2" x 198' For Emergency Clean-up	15.32	
02 90 55 00-0470	ROL	Poly Box Tape, 2" x 110 YD For Emergency Clean-up	4.73	
02 90 55 00-0471	LB	Terry Towels For Emergency Clean-up	6.72	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0472	GAL	Thermal Fog For Emergency Clean-up	90.74	
02 90 55 00-0473	ROL	1.7 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up	35.60	
02 90 55 00-0474	ROL	3 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up	86.40	
02 90 55 00-0475	ROL	4 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up	110.85	
02 90 55 00-0476	ROL	6 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up	141.99	
02 90 55 00-0477	EA	Trisodium Phosphate, 20 Lb. Pail For Emergency Clean-up	47.59	
02 90 55 00-0478	EA	Backpack Vacuum Bags For Emergency Clean-up	1.60	
02 90 55 00-0479	EA	Upright Vacuum Bags For Emergency Clean-up	2.14	
02 90 55 00-0480	GAL	Vinyl And Leather Cleaner For Emergency Clean-up	36.01	
02 90 55 00-0481	ROL	1 Mil Visqueen, 12' x 400', For Emergency Clean-up	46.12	
02 90 55 00-0482	ROL	4 Mil Visqueen, 32' x 100', For Emergency Clean-up	125.24	
02 90 55 00-0483	ROL	6 Mil Visqueen, 32' x 400', For Emergency Clean-up	170.89	
02 90 55 00-0484	LB	Wipes, Cotton Cloth For Emergency Clean-up	4.84	
02 90 55 00-0485	ROL	12" x 750', Wrap, Bubble/Anti-static For Emergency Clean-up	140.66	
02 90 55 00-0486	EA	Wyp-Alls, Case Of 160 Wipes For Emergency Clean-up	18.00	
02 90 55 00-0487	EA	Zip Wall Zippers For Emergency Clean-up	21.35	
02 90 55 00-0488	EA	Absorbent Matt Roll For Oil And Other Liquids - 15" Wide x 50' Roll Note: 3.3 gallon volume absorption capacity per roll	34.77	
02 90 55 00-0489	EA	Oil Only Sorbent Pads - 15" x 19", Light, Package Of 100 Note: 26 OZ volume absorption capacity per pad	52.17	
02 90 55 00-0490	EA	Oil Only Sorbent Pads - 15" x 19", Medium, Package Of 100 Note: 33 OZ volume absorption capacity per pad	54.96	
02 90 55 00-0491	EA	Oil Only Sorbent Pads - 15" x 19", Heavy, Package Of 100 Note: 45 OZ volume absorption capacity per pad	89.74	

02 90 55 00-0492 Technical/Electronics Restoration Materials *(02 90 55 00-0365)*

02 90 55 00-0493	EA	Brush - Brass For Emergency Clean-up	4.89	
02 90 55 00-0494	EA	1" Brush, Natural Bristle For Emergency Clean-up	1.56	
02 90 55 00-0495	EA	1/2" Brush, Natural Bristle For Emergency Clean-up	1.30	
02 90 55 00-0496	EA	1/4" Brush, Natural Bristle For Emergency Clean-up	1.11	
02 90 55 00-0497	EA	Brush - Parts For Emergency Clean-up	6.78	
02 90 55 00-0498	EA	Brush - Plastic For Emergency Clean-up	3.52	
02 90 55 00-0499	EA	Brush - Wire Grout For Emergency Clean-up	9.45	
02 90 55 00-0500	EA	Brushing Tool For Emergency Clean-up	18.23	
02 90 55 00-0501	EA	Cleaning Swabs, Cotton For Emergency Clean-up	0.33	
02 90 55 00-0502	EA	Cleaning Swabs, Foam Tip For Emergency Clean-up	0.39	
02 90 55 00-0503	EA	Contact Restorer, Per Can For Emergency Clean-up	29.65	
02 90 55 00-0504	EA	Contact Spray, Per Can For Emergency Clean-up	20.17	
02 90 55 00-0505	UNT	Corrosion Inhibitor Emitter - 1 CF For Emergency Clean-up	3.13	
02 90 55 00-0506	UNT	Corrosion Inhibitor Emitter - 5 CF For Emergency Clean-up	8.97	
02 90 55 00-0507	UNT	Corrosion Inhibitor Emitter - 10 CF For Emergency Clean-up	11.62	
02 90 55 00-0508	LB	Cotton Cleaning Cloths For Emergency Clean-up	18.34	
02 90 55 00-0509	EA	12" x 17" Dust Cloths For Emergency Clean-up	0.29	
02 90 55 00-0510	EA	24" x 24" Dust Cloths For Emergency Clean-up	0.80	
02 90 55 00-0511	EA	Deoxidizing Agent, Per Can For Emergency Clean-up	14.37	
02 90 55 00-0512	GAL	Electronic Grade Detergent For Emergency Clean-up	40.51	
02 90 55 00-0513	SHT	Inventory Labels For Emergency Clean-up	0.22	
02 90 55 00-0514	GAL	Isopropyl Alcohol For Emergency Clean-up	107.34	
02 90 55 00-0515	GAL	Lubrication/Penetrating Oil, Per Can For Emergency Clean-up	174.69	
02 90 55 00-0516	GAL	PC Board Detergent For Emergency Clean-up	83.75	
02 90 55 00-0517	GAL	Rust Inhibitor, Regular Duty For Emergency Clean-up	137.68	
02 90 55 00-0518	GAL	Rust Inhibitor, Moderate Duty For Emergency Clean-up	138.71	
02 90 55 00-0519	GAL	Rust Inhibitor, Severe Duty For Emergency Clean-up	148.27	
02 90 55 00-0520	LB	Wipes, Lint Free Cloths For Emergency Clean-up	7.61	
02 90 55 00-0521	EA	Wire Marker Card For Emergency Clean-up	2.28	
02 90 55 00-0522	EA	Steel Wool, 16 Pad Sleeve For Emergency Clean-up	1.53	

END OF SECTION 02

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

03 Concrete

03 01 Maintenance of Concrete *(03)*

03 01 20 Maintenance of Concrete Reinforcing *(03 01)*

03 01 20 00-0001 Rebar Coating *(03 01 20)*

03 01 20 00-0002	SF	20 Mil Thick, Cementitious Epoxy Resin Compensated 3-Component, Solvent-Free, Coating Material With Corrosion Inhibitor, And Reinforcement Corrosion Protection - Per Coat (Sika® Armatec®-110 EpoCem)		2.57	

03 01 30 Maintenance of Cast-In-Place Concrete *(03 01)*

03 01 30 51 Cleaning of Cast-In-Place Concrete *(03 01 30)*

03 01 30 51-0001 Abrasive Blasting *(03 01 30 51)*

Note: Includes containment and clean-up of all material. Includes steel ball media.

03 01 30 51-0002	SF	Concrete Floors, Abrasive Shot (Bead) Blasting		3.93	
		For Up To 100, Add		*3.28*	
		For >100 To 250, Add		*0.82*	
		For >250 To 500, Add		*0.41*	
		For >5,000 To 10,000, Deduct		*-0.08*	
		For >10,000, Deduct		*-0.16*	
03 01 30 51-0003	SF	Concrete Walls, Abrasive Shot (Bead) Blasting		5.57	
		For Up To 100, Add		*6.56*	
		For >100 To 250, Add		*1.64*	
		For >250 To 500, Add		*0.82*	
		For >5,000 To 10,000, Deduct		*-0.16*	
		For >10,000, Deduct		*-0.33*	

03 01 30 71 Rehabilitation of Cast-In-Place Concrete *(03 01 30)*

03 01 30 71-0001 Concrete Resurfacing/Repair *(03 01 30 71)*

03 01 30 71-0002 Concrete Repair *(03 01 30 71-0001)*

03 01 30 71-0003 Decks Or Floors *(03 01 30 71-0002)*

Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.

03 01 30 71-0004	SF	Patch Decks Or Floors With 1/8" To 1/4" Thick Cementitious Mortar		6.86	
03 01 30 71-0005	SF	Patch Decks Or Floors With 1/8" To 1/4" Thick Epoxy Cementitious Mortar		22.27	
03 01 30 71-0006	SF	Patch Decks Or Floors With White Aluminum Oxide Grit (Non-Slip Aggregate)		0.62	

03 01 30 71-0007 Verticals Or Overheads *(03 01 30 71-0002)*

Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.

03 01 30 71-0008	SF	Patch Verticals Or Overheads With 1/8" To 1/4" Thick Cementitious Mortar		10.25	
03 01 30 71-0009	SF	Patch Verticals Or Overheads With 1/8" To 1/4" Thick Epoxy Cementitious Mortar		30.11	
03 01 30 71-0010	SF	Patch Verticals Or Overheads With 1/8" To 1/4" Thick Latex Cementitious Mortar		34.00	
03 01 30 71-0011	SF	Patch Verticals Or Overheads With 1/8" To 1/4" Thick Elastomeric Compound		9.20	
03 01 30 71-0012	SF	Patch Verticals Or Overheads With 1/8" To 1/4" Thick Copolymer Cementitious Compound Note: Rapid Set - WunderFixx		16.33	

03 01 30 71-0013 Circular Piers *(03 01 30 71-0002)*

03 01 30 71-0014	SF	Patch Circular Piers With 1/8" To 1/4" Elastomeric Patching Compound		12.74	
03 01 30 71-0015	SF	Patch Circular Piers With 1/8" To 1/4" Copolymer Cementitious Compound Note: Rapid Set - WunderFixx		21.99	

03 01 30 71-0016 Soffit Repair *(03 01 30 71-0002)*

Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.

03 01 30 71-0017	LF	Up To 16" Wide Concrete Soffit Repair		21.15	
03 01 30 71-0018	LF	>16" To 20" Wide Concrete Soffit Repair		22.14	
03 01 30 71-0019	LF	>20" To 24" Wide Concrete Soffit Repair		24.24	
03 01 30 71-0020	LF	>24" To 30" Wide Concrete Soffit Repair		26.43	
03 01 30 71-0021	LF	>30" To 36" Wide Concrete Soffit Repair		28.12	

03 01 30 71-0022 Edge Repair *(03 01 30 71-0002)*

Note: Includes mesh. Excludes saw cutting, sand blasting and forming.

03 01 30 71-0023	LF	2" Spall Concrete Edge Repair		21.64	
03 01 30 71-0024	LF	3" Spall Concrete Edge Repair		22.68	
03 01 30 71-0025	LF	4" Spall Concrete Edge Repair		23.36	
03 01 30 71-0026	LF	6" Spall Concrete Edge Repair		24.13	
03 01 30 71-0027	LF	8" Spall Concrete Edge Repair		25.47	
03 01 30 71-0028	LF	9" Spall Concrete Edge Repair		28.58	
03 01 30 71-0029	CF	Patch Edge, Portland Cement Based Repair Material		179.28	
03 01 30 71-0030	CF	Patch Edge, Rapid Setting Concrete Repair Material		246.32	
03 01 30 71-0031	CF	Patch Edge, Rapid Setting Polymer Concrete Methyl Methacrylate		252.81	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 01 30 71-0032	CF	Patch Edge, SSI Flex Patch (Other Than Specified)	503.21	
03 01 30 71-0033		**Concrete Materials** *(03 01 30 71-0002)*		
		Note: Excludes saw cutting, sand blasting and forming.		
03 01 30 71-0034	SF	Sika Ferroguard® 903	1.74	
03 01 30 71-0035	SF	Sika-Guard 701W	1.99	
03 01 30 71-0036	SF	Sika 550W Pearl Ash	1.12	
03 01 30 71-0037	SF	Sika Top 144 Gray	2.90	
03 01 30 71-0038		**Bridge Deck Treatment** *(03 01 30 71-0002)*		
03 01 30 71-0039	SF	Sweep Bridge Deck	0.02	
03 01 30 71-0040	SF	Clean Bridge Deck	0.02	
03 01 30 71-0041	SF	Treat Bridge Deck With Methacrylate Resin Sealant	2.30	
03 01 30 71-0042		**Concrete Finishes** *(03 01 30 71-0001)*		
03 01 30 71-0043		**Concrete Patching** *(03 01 30 71-0042)*		
03 01 30 71-0044		**Walls** *(03 01 30 71-0043)*		
03 01 30 71-0045	BAG	Sika Top 111 Plus	178.80	
		Note: SikaTop 111 PLUS is a two-component, polymer-modified, portland-cement, fast-setting, screed mortar. Yield: Approximately 0.5 cu. ft./unit. Approximately 0.75 cu. ft./unit (SikaTop 111 + 42 Lb. of 3/8" pea gravel).		
		For Up To 10, Add	*65.81*	
		For >10 To 25, Add	*39.49*	
		For >25 To 50, Add	*26.32*	
		For >50 To 75, Add	*13.16*	
03 01 30 71-0046	BAG	Sika Grout 212, 50 Lb. Bag	122.65	
		Note: SikaGrout 212 is a non-shrink, cementitious grout with a unique 2-stage shrinkage compensating mechanism. It is non-metallic and contains no chloride. Coverage: Approximately 0.44 cu. ft./bag at high flow.		
		For Up To 10, Add	*41.67*	
		For >10 To 25, Add	*25.00*	
		For >25 To 50, Add	*16.67*	
		For >50 To 75, Add	*8.33*	
03 01 30 71-0047	EA	Sika Flex 1A, 10.3 Ounce Tube	41.20	
		Note: Sikaflex-1a is a premium-grade, high-performance, moisture-cured, 1-component, polyurethane-based, non-sag elastomeric sealant. Coverage: 10.3 fl. oz. cartridge seals 12.4 lineal ft. of 1/2 x 1/4 in. joint. 20 fl. oz. uni-pac sausage seals 24 lineal ft. of 1/2 x 1/4 in. joint.		
03 01 30 71-0048	BAG	Pea Gravel	31.37	
03 01 30 71-0049	BAG	Sika Top 123, 44 Lb. Bag	182.16	
03 01 30 71-0050	BAG	Sika Top 121 Plus Kit	174.43	
		Note: SikaTop 121 PLUS is a two component, polymer-modified, leveling and pore sealing mortar. Yield: 0.4 cu. ft./unit.		
03 01 30 71-0051	BAG	Sika Top 122 Plus Kit	193.44	
		Note: SikaTop 122 PLUS is a two-component, polymer-modified, portland-cement, fast-setting, trowel-grade mortar. Yield: 0.51 cu. ft./ unit mortar; 0.75 cu. ft./unit concrete; (SikaTop 122 + 42 Lb. 3/8" pea gravel).		
03 01 30 71-0052	BAG	Sika Top 123 Plus Kit	190.02	
		Note: SikaTop 123 PLUS is a two-component, polymer-modified, portland cement, fast-setting, non-sag mortar. Yield: 0.39 cu. ft./unit.		
03 01 30 71-0053		**Crack Repair For Concrete** *(03 01 30 71-0001)*		
03 01 30 71-0054		**Non-Structural Crack Repair For Concrete** *(03 01 30 71-0053)*		
03 01 30 71-0055		**Surface Applied, Non-Structural Crack Repair For Concrete** *(03 01 30 71-0054)*		
		Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing sealer with caulk gun, cartridge gun, squeeze bottle, etc. Excludes backer rod and sanding.		
03 01 30 71-0056	LF	Up To 1/4" Wide, Latex Emulsion, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Squeeze Tube (Quikrete® Concrete Crack Seal)	7.18	
		For V-Grooving Crack With Grinder, Add	*5.74*	
03 01 30 71-0057	LF	>1/4" To 1/2" Wide, Latex Emulsion, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Squeeze Tube (Quikrete® Concrete Crack Seal)	9.39	
		For V-Grooving Crack With Grinder, Add	*5.61*	
03 01 30 71-0058	LF	Up To 1/4" Wide, Sanded Acrylic Latex, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Quikrete® Concrete Repair)	7.32	
		For V-Grooving Crack With Grinder, Add	*5.74*	
03 01 30 71-0059	LF	>1/4" To 1/2" Wide, Sanded Acrylic Latex, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Quikrete® Concrete Repair)	9.68	
		For V-Grooving Crack With Grinder, Add	*5.61*	
03 01 30 71-0060	LF	Up To 1/4" Wide, Self Leveling Polyurethane Sealant, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Self-Leveling Sealant)	7.85	
		For V-Grooving Crack With Grinder, Add	*5.74*	
03 01 30 71-0061	LF	>1/4" To 1/2" Wide, Self Leveling Polyurethane Sealant, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Self-Leveling Sealant)	10.72	
		For V-Grooving Crack With Grinder, Add	*5.61*	
03 01 30 71-0062	LF	Up To 1/4" Wide, Non-Sag Elastomeric Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Concrete Fix)	8.23	
		For V-Grooving Crack With Grinder, Add	*5.74*	
03 01 30 71-0063	LF	>1/4" To 1/2" Wide, Non-Sag Elastomeric Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Concrete Fix)	11.48	
		For V-Grooving Crack With Grinder, Add	*5.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 01 30 71-0064	LF	Up To 1/4" Wide x 1/2" Depth, Low-modulus, Low-viscosity, Epoxy Resin Crack Filler (Sikadur® 21)	6.22	
		For V-Grooving Crack With Grinder, Add	*4.92*	
03 01 30 71-0065	LF	Up To 1/4" Wide x 1" Depth, Low-modulus, Low-viscosity, Epoxy Resin Crack Filler (Sikadur® 21)	7.45	
		For V-Grooving Crack With Grinder, Add	*5.74*	
03 01 30 71-0066	LF	>1/4" To 1/2" Wide x 1/2" Depth, Low-modulus, Low-viscosity, Epoxy Resin Crack Filler (Sikadur® 21)	7.45	
		For V-Grooving Crack With Grinder, Add	*5.74*	
03 01 30 71-0067	LF	>1/4" To 1/2" Wide x 1" Depth, Low-modulus, Low-viscosity, Epoxy Resin Crack Filler (Sikadur® 21)	9.94	
		For V-Grooving Crack With Grinder, Add	*7.39*	
03 01 30 71-0068		**Pressure Injected, Non-Structural Crack Repair For Concrete** *(03 01 30 71-0054)*		
		Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing injection ports, sealing the crack opening (one side only), injecting the crack with polyurethane and restoring the sealed surface to flush conditions. Excludes disposal.		
03 01 30 71-0069	LF	Up To 1/4" Wide, Water Activated Polyurethane Foam Grout, Non-Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (SealBoss 1570)	31.68	
		For Cracks Accessible From Both Sides, Add	*6.45*	
03 01 30 71-0070		**Structural Crack Repair For Concrete** *(03 01 30 71-0053)*		
03 01 30 71-0071		**Surface Applied, Structural Crack Repair For Concrete** *(03 01 30 71-0070)*		
		Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Excludes disposal.		
03 01 30 71-0072	LF	Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 35)	8.32	
		For V-Grooving Crack With Grinder, Add	*5.74*	
03 01 30 71-0073	LF	>1/4" To 1/2" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 35)	11.68	
		For V-Grooving Crack With Grinder, Add	*5.61*	
03 01 30 71-0074	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied Trowel (Sikadur® 52)	8.12	
		For V-Grooving Crack With Grinder, Add	*5.74*	
03 01 30 71-0075	LF	>1/4" To 1/2" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 52)	11.27	
		For V-Grooving Crack With Grinder, Add	*5.61*	
03 01 30 71-0076	LF	Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Sikadur® Crack Fix)	9.82	
		For V-Grooving Crack With Grinder, Add	*5.74*	
03 01 30 71-0077	LF	>1/4" To 1/2" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Sikadur® Crack Fix)	14.67	
		For V-Grooving Crack With Grinder, Add	*5.61*	
03 01 30 71-0078		**Pressure Injected, Structural Crack Repair For Concrete** *(03 01 30 71-0070)*		
		Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing injection ports, sealing the crack opening (one side only), injecting the crack with epoxy and restoring the sealed surface to flush conditions. Excludes disposal.		
03 01 30 71-0079	LF	Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (Sikadur® 35)	27.60	
		For Cracks Accessible From Both Sides, Add	*6.45*	
03 01 30 71-0080	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (Sikadur® 52)	27.39	
		For Cracks Accessible From Both Sides, Add	*6.45*	
03 01 30 71-0081		**Surface Applied Epoxy Resin Crack Healer/Penetrating Sealer For Concrete** *(03 01 30 71-0053)*		
		Note: Excludes preparing substrate by pressure washing or sand blasting, filling cracks with sand, or presure injection of cracks.		
03 01 30 71-0082	SF	2-Component, 100 % Solids, Moisture-Tolerant, Epoxy Crack Healer / Penetrating Sealer (Sika Sikadur®-55 SLV)	2.65	
03 01 30 71-0083		**Surface Applied Polyurethane Elastomeric Sealant (Sikaflex®-2c NS EZ Mix)** *(03 01 30 71-0053)*		
		Note: Includes removing all debris and contaminants accessible within the crack using hand tools, compressed air or vacuuming. Includes installing sealer with caulk gun, cartridge gun, etc.		
03 01 30 71-0084	LF	1/4" x 1/4" Polyurethane Elastomeric Sealant For Concrete, Surface Applied (SikaFlex 2C NS EZ Mix)	2.88	
03 01 30 71-0085	LF	3/8" x 1/4" Polyurethane Elastomeric Sealant For Concrete, Surface Applied (SikaFlex 2C NS EZ Mix)	3.04	
03 01 30 71-0086	LF	1/2" x 1/4" Polyurethane Elastomeric Sealant For Concrete, Surface Applied (SikaFlex 2C NS EZ Mix)	3.26	
03 01 30 71-0087	LF	3/8" x 3/8" Polyurethane Elastomeric Sealant For Concrete, Surface Applied (SikaFlex 2C NS EZ Mix)	3.32	
03 01 30 71-0088	LF	1/2" x 3/8" Polyurethane Elastomeric Sealant For Concrete, Surface Applied (SikaFlex 2C NS EZ Mix)	3.60	
03 01 30 71-0089	LF	3/4" x 3/8" Polyurethane Elastomeric Sealant For Concrete, Surface Applied (SikaFlex 2C NS EZ Mix)	4.88	
03 01 30 71-0090	LF	1/2" x 1/2" Polyurethane Elastomeric Sealant For Concrete, Surface Applied (SikaFlex 2C NS EZ Mix)	4.03	
03 01 30 71-0091	LF	3/4" x 1/2" Polyurethane Elastomeric Sealant For Concrete, Surface Applied (SikaFlex 2C NS EZ Mix)	4.60	
03 01 30 71-0092	LF	1" x 1/2" Polyurethane Elastomeric Sealant For Concrete, Surface Applied (SikaFlex 2C NS EZ Mix)	5.17	
03 01 30 71-0093	LF	1-1/4" x 1/2" Polyurethane Elastomeric Sealant For Concrete, Surface Applied (SikaFlex 2C NS EZ Mix)	5.74	
03 01 30 71-0094	LF	1-1/2" x 1/2" Polyurethane Elastomeric Sealant For Concrete, Surface Applied (SikaFlex 2C NS EZ Mix)	6.40	
03 01 30 71-0095		**Carbon Fiber Strengthening System** *(03 01 30 71-0001)*		
		Note: Includes preparing surface, dust and debris removal by hand, clean and protect adjacent area, fill voids, primer, fabric substrate layers, final coat of epoxy and finish. Excludes disposal.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 01 30 71-0096	SF	Carbon Fiber Strengthening System For Concrete Beams, Per Layer Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.	81.32	
03 01 30 71-0097	SF	Carbon Fiber Strengthening System For Concrete Columns, Per Layer Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.	72.42	
03 01 30 71-0098	SF	Carbon Fiber Strengthening System For Concrete Ceiling Slabs, Per Layer Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.	67.42	
03 01 30 71-0099	SF	Carbon Fiber Strengthening System For Concrete Walls, Per Layer Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.	64.64	
03 01 30 71-0100	SF	Carbon Fiber Strengthening System For Concrete Slab, Per Layer Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.	60.75	
03 01 30 71-0101		Carbon Fiber Strengthening Fabric (SikaWrap) *(03 01 30 71-0001)*		
03 01 30 71-0102	SF	18 Oz/SY, Uni-Directional, ICC Listed, Carbon Fiber Fabric For Columns (SikaWrap® Hex-103 C)	61.56	
03 01 30 71-0103	SF	18 Oz/SY, Uni-Directional, ICC Listed, Carbon Fiber Fabric For Ceiling Slabs (SikaWrap® Hex-103 C)	57.31	
03 01 30 71-0104	SF	18 Oz/SY, Uni-Directional, ICC Listed, Carbon Fiber Fabric For Walls (SikaWrap® Hex-103 C)	54.94	
03 01 30 71-0105	SF	5 Mil Thick, Water Dispersed, Acrylic, Protective, Anti-Carbonation Coating (Sikagard®-670 W) Note: Adhesive for Carbon fiber warp application	1.49	
03 01 30 71-0106		High Modulus Carbon Fiber Fabric (V-Wrap™ C200HM) *(03 01 30 71-0001)* Note: V-Wrap C200HM is a unidirectional carbon fiber fabric with fiber oriented in the 0° direction. V-Wrap C200HM system is field laminated using two-part 100% solids and high strength structural adhesives.		
03 01 30 71-0107	SF	17.7 Oz/SY, Uni-Directional, High Modulus Carbon Fiber Fabric For Columns	71.17	
03 01 30 71-0108	SF	17.7 Oz/SY, Uni-Directional, High Modulus Carbon Fiber Fabric For Ceiling Slabs	66.92	
03 01 30 71-0109	SF	17.7 Oz/SY, Uni-Directional, High Modulus Carbon Fiber Fabric For Walls	64.55	
03 01 30 71-0110		Concrete Rehabilitation *(03 01 30 71)*		
03 01 30 71-0111		Corrosive Inhibitor *(03 01 30 71-0110)*		
03 01 30 71-0112	SF	Corrosive Inhibitor	6.20	
03 01 30 71-0113		Remove Cracked Or Damaged Concrete Surfacing Material *(03 01 30 71)*		
03 01 30 71-0114	SF	Removal Of Concrete <3/4" Deep On Vertical Wall Surfaces Note: Excludes patching materials	19.50	
03 01 30 71-0115	SF	Removal Of Concrete 3/4" To 1-1/2" Deep On Vertical Wall Surfaces Note: Excludes patching materials.	25.84	
03 01 30 71-0116	SF	Removal Of Concrete >1-1/2" To 3" Deep On Vertical Wall Surfaces Note: Excludes patching materials.	32.18	
03 01 30 71-0117	SF	Removal Of Concrete >3" To 4" Deep On Vertical Wall Surfaces Note: Excludes patching materials.	42.90	
03 01 30 71-0118	SF	Removal Of Concrete <3/4" Deep On Overhead Surfaces Note: Excludes patching materials	39.01	
03 01 30 71-0119	SF	Removal Of Concrete 3/4" To 1-1/2" Deep On Overhead Surfaces Note: Excludes patching materials.	51.69	
03 01 30 71-0120	SF	Removal Of Concrete >1-1/2" To 3" Deep On Overhead Surfaces Note: Excludes patching materials.	64.36	
03 01 30 71-0121	SF	Removal Of Concrete >3" To 4" Deep On Overhead Surfaces. Note: Excludes patching materials.	85.81	
03 01 30 72		**Strengthening Of Cast-in-Place Concrete** *(03 01 30)*		
03 01 30 72-0001		Concrete Surface Repairs *(03 01 30 72)*		
03 01 30 72-0002	SF	Sound The Concrete Surface To Locate Delaminated Areas	0.38	

03 05 Common Work Results For Concrete *(03)*

03 05 13 Concrete Admixtures *(03 05)*

03 05 13 00-0001		Concrete Admixtures *(03 05 13)*		
03 05 13 00-0002	CY	Low Range Water Reducing (LRWR), Type A Concrete Admixture	8.13	
03 05 13 00-0003	CY	Set Retarding, Type B Concrete Admixture	5.63	
03 05 13 00-0004	CY	1% Calcium Chloride Accelerating, Type C Concrete Admixture	8.76	
03 05 13 00-0005	CY	2% Calcium Chloride Accelerating, Type C Concrete Admixture	17.52	
03 05 13 00-0006	CY	1% Non-Chloride Accelerating, Type C Concrete Admixture	15.64	
03 05 13 00-0007	CY	2% Non-Chloride Accelerating, Type C Concrete Admixture	31.29	
03 05 13 00-0008	CY	1% Water Reducing and Retarding (Hydration Stabilizer), Type D Concrete Admixture	6.76	
03 05 13 00-0009	CY	2% Water Reducing and Retarding (Hydration Stabilizer), Type D Concrete Admixture	13.18	
03 05 13 00-0010	CY	1% Water Reducing and Accelerating (High Early Strength), Type E Concrete Admixture	9.39	
03 05 13 00-0011	CY	2% Water Reducing and Accelerating (High Early Strength), Type E Concrete Admixture	18.77	
03 05 13 00-0012	CY	Mid Range Water Reducing (MRWR) Superplasticizer, Type A Or E Concrete Admixture	6.26	
03 05 13 00-0013	CY	High Range Water Reducing (HRWR) Superplasticizer, Type F Concrete Admixture	15.02	
03 05 13 00-0014	CY	1 Lb./CY Polyethylene, Polypropylene, Nylon, Synthetic Plastic Fibers, Concrete Admixture	13.35	
03 05 13 00-0015	CY	1-1/2 Lb./CY Polyethylene, Polypropylene, Nylon, Synthetic Plastic Fibers, Concrete Admixture	20.02	
03 05 13 00-0016	CY	25 Lb./CY Steel Fibers, Concrete Admixture	44.88	
03 05 13 00-0017	CY	10% Microsilica (Silica Fume), Concrete Admixture	100.12	
03 05 13 00-0018	CY	Corrosion Inhibiting Concrete Admixture	37.54	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 05 13 00-0019	CY	Winter Service Or Heat, Concrete Add	20.02	
03 05 13 00-0020	CY	Chilled Water, Concrete Add	20.02	
03 05 13 00-0021	CY	Subtle Color (See Davis Colors Color Card), Concrete Admixture	39.57	
03 05 13 00-0022	CY	Standard Color (See Davis Colors Color Card), Concrete Admixture	65.94	
03 05 13 00-0023	CY	Premium Color (See Davis Colors Color Card), Concrete Admixture	126.61	
03 05 13 00-0024	CY	Ultra Premium Color (See Davis Colors Color Card), Concrete Admixture	175.85	

03 10 Concrete Forming and Accessories *(03)*

03 11 Concrete Forming *(03 10)*

03 11 13 Structural Cast-In-Place Concrete Forming *(03 11)*

Note: Per square foot of formwork.

03 11 13 00-0001 Wood Formwork *(03 11 13)*

Note: For job built wood and/or plywood form systems where metal framed formwork cannot be used. Includes erecting, stripping, stacking, plywood, framing lumber, oiling, studs/walers, strongbacks, deadmen, supporting braces, turnbuckles, ties, and clips.

03 11 13 00-0002 Foundation Wood Formwork *(03 11 13 00-0001)*

Note: For foundation work below or at grade.

03 11 13 00-0003	SF	Continuous Footings Foundation Wood Formwork	8.21
		For <1,000, Add	*1.54*
		For Foundations >8' Below Grade, Add	*1.48*
		For Curved Formwork, Add	*2.97*
03 11 13 00-0004	SF	Pile Cap, Pier Or Spread Footings Foundation Wood Formwork	9.79
		For <1,000, Add	*1.85*
		For Foundations >8' Below Grade, Add	*1.79*
		For Curved Formwork, Add	*3.58*
03 11 13 00-0005	SF	Mat Foundation Wood Formwork	11.38
		For <1,000, Add	*2.17*
		For Foundations >8' Below Grade, Add	*2.11*
		For Curved Formwork, Add	*4.23*
03 11 13 00-0006	SF	Grade Beams Or Duct Bank Foundation Wood Formwork	9.44
		For <1,000, Add	*1.78*
		For Foundations >8' Below Grade, Add	*1.73*
		For Curved Formwork, Add	*3.45*
03 11 13 00-0007	SF	Below Grade Walls Foundation Wood Formwork Note: Excludes footing	13.36
		For <1,000, Add	*2.52*
		For Foundations >8' Below Grade, Add	*2.44*
		For Curved Formwork, Add	*4.88*

03 11 13 00-0008 Slab Edge And Block-Out Wood Formwork *(03 11 13 00-0001)*

03 11 13 00-0009	LF	Up To 6" High Slab Edge and Block-Out Wood Formwork	6.35
		For Foundations >8' Below Grade, Add	*1.19*
		For Curved Formwork, Add	*2.37*
		For Up To 250, Add	*1.21*
03 11 13 00-0010	LF	>6" To 12" High Slab Edge and Block-Out Wood Formwork	9.09
		For Foundations >8' Below Grade, Add	*1.65*
		For Curved Formwork, Add	*3.30*
		For Up To 250, Add	*1.71*
03 11 13 00-0011	SF	>12" High Slab Edge and Block-Out Wood Formwork	11.73
		For Foundations >8' Below Grade, Add	*2.14*
		For Curved Formwork, Add	*4.28*
		For <1,000, Add	*2.21*

03 11 13 00-0012 Column Wood Formwork *(03 11 13 00-0001)*

03 11 13 00-0013	LF	Up To 8" Square Column Wood Formwork	49.04
03 11 13 00-0014	LF	>8" To 12" Square Column Wood Formwork	71.59
03 11 13 00-0015	LF	>12" To 18" Square Column Wood Formwork	90.04
03 11 13 00-0016	LF	>18" To 24" Square Column Wood Formwork	129.13
03 11 13 00-0017	LF	>24" To 36" Square Column Wood Formwork	185.35
03 11 13 00-0018	LF	>36" To 48" Square Column Wood Formwork	244.93

03 11 13 00-0019 Above Grade Wall Wood Formwork *(03 11 13 00-0001)*

03 11 13 00-0020	SF	Up To 8' High Above Grade Wall Wood Formwork	14.93
		For Curved Formwork, Add	*5.50*
		For <1,000, Add	*2.83*
03 11 13 00-0021	SF	>8' High Above Grade Wall Wood Formwork	17.67
		For Curved Formwork, Add	*6.53*
		For <1,000, Add	*3.36*

03 11 13 00-0022 Elevated Beam Wood Formwork *(03 11 13 00-0001)*

Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated beam.

03 11 13 00-0023	SF	Bottom of Elevated Beam Wood Formwork	19.68
		For Curved Formwork, Add	*7.19*
		For <1,000, Add	*3.71*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0024	SF	Vertical Sides of Elevated Beam Wood Formwork	12.40	
		For Curved Formwork, Add	*4.59*	
		For <1,000, Add	*2.36*	

03 11 13 00-0025 Elevated Slab Wood Formwork *(03 11 13 00-0001)*

Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated slab.

03 11 13 00-0026	SF	Elevated Slab Wood Formwork	11.69	
		For <1,000, Add	*2.13*	

03 11 13 00-0027 Metal Framed Formwork *(03 11 13)*

Note: For all metal framed and metal form systems. Includes erecting, stripping, stacking, oiling, studs/walers, strongbacks, deadmen, supporting braces, turnbuckles, ties, and clips.

03 11 13 00-0028 Foundation Metal Framed Formwork *(03 11 13 00-0027)*

Note: For foundation work below or at grade.

03 11 13 00-0029	SF	Continuous Footings Foundation Metal Framed Formwork	8.20	
		For <1,000, Add	*1.46*	
		For Foundations >8' Below Grade, Add	*1.36*	
		For Curved Formwork, Add	*2.73*	
03 11 13 00-0030	SF	Pile Cap, Pier Or Spread Footings Foundation Metal Framed Formwork	9.04	
		For <1,000, Add	*1.62*	
		For Foundations >8' Below Grade, Add	*1.52*	
		For Curved Formwork, Add	*3.05*	
03 11 13 00-0031	SF	Mat Foundation Metal Framed Formwork	10.21	
		For <1,000, Add	*1.81*	
		For Foundations >8' Below Grade, Add	*1.69*	
		For Curved Formwork, Add	*3.37*	
03 11 13 00-0032	SF	Grade Beams Or Duct Bank Foundation Metal Framed Formwork	8.62	
		For <1,000, Add	*1.52*	
		For Foundations >8' Below Grade, Add	*1.42*	
		For Curved Formwork, Add	*2.84*	
03 11 13 00-0033	SF	Below Grade Walls Foundation Metal Framed Formwork Note: Excludes footing.	12.95	
		For <1,000, Add	*2.34*	
		For Foundations >8' Below Grade, Add	*2.21*	
		For Curved Formwork, Add	*4.42*	

03 11 13 00-0034 Slab Edge And Block-Out Metal Framed Formwork *(03 11 13 00-0027)*

03 11 13 00-0035	LF	Up To 6" High Slab Edge and Block-Out Metal Framed Formwork	5.59	
		For Foundations >8' Below Grade, Add	*1.08*	
		For Curved Formwork, Add	*2.16*	
		For <250, Add	*1.09*	
03 11 13 00-0036	LF	>6" To 12" High Slab Edge and Block-Out Metal Framed Formwork	7.02	
		For Foundations >8' Below Grade, Add	*1.34*	
		For Curved Formwork, Add	*2.68*	
		For <250, Add	*1.36*	
03 11 13 00-0037	SF	>12" High Slab Edge and Block-Out Metal Framed Formwork	7.79	
		For Foundations >8' Below Grade, Add	*1.48*	
		For Curved Formwork, Add	*2.97*	
		For <1,000, Add	*1.51*	

03 11 13 00-0038 Column Metal Framed Formwork *(03 11 13 00-0027)*

03 11 13 00-0039 Square Columns *(03 11 13 00-0038)*

03 11 13 00-0040	LF	Up To 12" Square Column Metal Framed Formwork	51.53
03 11 13 00-0041	LF	>12" To 16" Square Column Metal Framed Formwork	62.53
03 11 13 00-0042	LF	>16" To 20" Square Column Metal Framed Formwork	73.57
03 11 13 00-0043	LF	>20" To 24" Square Column Metal Framed Formwork	87.76
03 11 13 00-0044	LF	>24" To 30" Square Column Metal Framed Formwork	105.88
03 11 13 00-0045	LF	>30" To 36" Square Column Metal Framed Formwork	127.38
03 11 13 00-0046	LF	>36" To 48" Square Column Metal Framed Formwork	163.61
03 11 13 00-0047	LF	>48" To 60" Square Column Metal Framed Formwork	202.16

03 11 13 00-0048 Round Columns *(03 11 13 00-0038)*

03 11 13 00-0049	LF	Up To 12" Diameter Column Metal Formwork	58.05
03 11 13 00-0050	LF	>12" To 16" Diameter Column Metal Formwork	63.97
03 11 13 00-0051	LF	>16" To 20" Diameter Column Metal Formwork	72.80
03 11 13 00-0052	LF	>20" To 24" Diameter Column Metal Formwork	83.73
03 11 13 00-0053	LF	>24" To 30" Diameter Column Metal Formwork	98.11
03 11 13 00-0054	LF	>30" To 36" Diameter Column Metal Formwork	111.81
03 11 13 00-0055	LF	>36" To 48" Diameter Column Metal Formwork	147.75
03 11 13 00-0056	LF	>48" To 60" Diameter Column Metal Formwork	199.72

03 11 13 00-0057 Above Grade Wall Metal Framed Formwork *(03 11 13 00-0027)*

03 11 13 00-0058	SF	Up to 8' High Above Grade Wall Metal Framed Formwork	8.29	
		For Curved Formwork, Add	*2.55*	
		For <1,000, Add	*1.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0059	SF	>8' High Above Grade Wall Metal Framed Formwork	10.19	
		For Curved Formwork, Add	*3.09*	
		For <1,000, Add	*1.71*	

03 11 13 00-0060 Elevated Beam Metal Framed Formwork *(03 11 13 00-0027)*

Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated beam.

03 11 13 00-0061	SF	Bottom of Elevated Beam Metal Framed Formwork	8.23	
		For Curved Formwork, Add	*2.39*	
		For <1,000, Add	*1.35*	
03 11 13 00-0062	SF	Vertical Sides of Elevated Beam Metal Framed Formwork	6.23	
		For Curved Formwork, Add	*1.88*	
		For <1,000, Add	*1.04*	

03 11 13 00-0063 Elevated Slab Metal Framed Formwork *(03 11 13 00-0027)*

Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated slab.

03 11 13 00-0064	SF	Elevated Slab Metal Framed Formwork	11.30	
		For <1,000, Add	*1.65*	

03 11 13 00-0065 Fiber Tube Formwork *(03 11 13)*

Note: Includes all supporting braces, erecting, aligning, stripping, turnbuckles, ties and clips.

03 11 13 00-0066 Round Column Fiber Tube Formwork *(03 11 13 00-0065)*

03 11 13 00-0067	LF	6" Diameter Round Fiber Tube Formwork	19.84	
		For Plastic Lined, Add	*0.83*	
		For Columns >12' In Length, Add	*1.98*	
03 11 13 00-0068	LF	8" Diameter Round Fiber Tube Formwork	20.99	
		For Plastic Lined, Add	*0.99*	
		For Columns >12' In Length, Add	*2.10*	
03 11 13 00-0069	LF	10" Diameter Round Fiber Tube Formwork	23.37	
		For Plastic Lined, Add	*1.19*	
		For Columns >12' In Length, Add	*2.34*	
03 11 13 00-0070	LF	12" Diameter Round Fiber Tube Formwork	29.10	
		For Plastic Lined, Add	*2.11*	
		For Columns >12' In Length, Add	*2.91*	
03 11 13 00-0071	LF	14" Diameter Round Fiber Tube Formwork	32.79	
		For Plastic Lined, Add	*2.67*	
		For Columns >12' In Length, Add	*3.28*	
03 11 13 00-0072	LF	16" Diameter Round Fiber Tube Formwork	35.84	
		For Plastic Lined, Add	*3.33*	
		For Columns >12' In Length, Add	*3.58*	
03 11 13 00-0073	LF	18" Diameter Round Fiber Tube Formwork	38.67	
		For Plastic Lined, Add	*3.89*	
		For Columns >12' In Length, Add	*3.87*	
03 11 13 00-0074	LF	20" Diameter Round Fiber Tube Formwork	44.30	
		For Plastic Lined, Add	*5.29*	
		For Columns >12' In Length, Add	*4.43*	
03 11 13 00-0075	LF	22" Diameter Round Fiber Tube Formwork	46.35	
		For Plastic Lined, Add	*5.51*	
		For Columns >12' In Length, Add	*4.64*	
03 11 13 00-0076	LF	24" Diameter Round Fiber Tube Formwork	48.70	
		For Plastic Lined, Add	*5.81*	
		For Columns >12' In Length, Add	*4.87*	
03 11 13 00-0077	LF	26" Diameter Round Fiber Tube Formwork	50.76	
		For Plastic Lined, Add	*6.27*	
		For Columns >12' In Length, Add	*5.08*	
03 11 13 00-0078	LF	28" Diameter Round Fiber Tube Formwork	52.82	
		For Plastic Lined, Add	*6.73*	
		For Columns >12' In Length, Add	*5.28*	
03 11 13 00-0079	LF	30" Diameter Round Fiber Tube Formwork	54.88	
		For Plastic Lined, Add	*7.19*	
		For Columns >12' In Length, Add	*5.49*	
03 11 13 00-0080	LF	36" Diameter Round Fiber Tube Formwork	63.68	
		For Plastic Lined, Add	*9.25*	
		For Columns >12' In Length, Add	*6.37*	
03 11 13 00-0081	LF	42" Diameter Round Fiber Tube Formwork	101.83	
		For Plastic Lined, Add	*20.28*	
		For Columns >12' In Length, Add	*10.18*	
03 11 13 00-0082	LF	48" Diameter Round Fiber Tube Formwork	124.58	
		For Plastic Lined, Add	*26.69*	
		For Columns >12' In Length, Add	*12.46*	
03 11 13 00-0083	LF	54" Diameter Round Fiber Tube Formwork	226.99	
		For Plastic Lined, Add	*56.74*	
		For Columns >12' In Length, Add	*22.70*	
03 11 13 00-0084	LF	60" Diameter Round Fiber Tube Formwork	253.02	
		For Plastic Lined, Add	*64.04*	
		For Columns >12' In Length, Add	*25.30*	

03 11 13 00-0085 Accessories For Formwork *(03 11 13)*

03 11 13 00-0086 Keyway Forms, All Materials *(03 11 13 00-0085)*

03 11 13 00-0087	LF	2" x 4" To 2" x 6" Keyway Forms for Concrete Formwork, All Materials	2.21	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

03 11 13 00-0088 Chamfer Strips, All Materials *(03 11 13 00-0085)*

03 11 13 00-0089	LF	1/2" Wide Chamfer Strips for Concrete Formwork, All Materials	2.33	
03 11 13 00-0090	LF	3/4" Wide Chamfer Strips for Concrete Formwork, All Materials	2.70	
03 11 13 00-0091	LF	1" Wide Chamfer Strips for Concrete Formwork, All Materials	3.12	

03 11 13 00-0092 Strip Out Reglets For Concrete Formwork *(03 11 13 00-0085)*

03 11 13 00-0093	LF	24 To 26 Gauge Galvanized Steel, Strip Out Reglets For Concrete Formwork	12.06	

03 11 13 00-0094 Sleeves And Chases, Plastic Or Sheet Metal *(03 11 13 00-0085)*

03 11 13 00-0095	EA	2" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	14.06	
03 11 13 00-0096	EA	4" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	17.40	
03 11 13 00-0097	EA	6" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	21.08	
03 11 13 00-0098	EA	8" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	24.64	
03 11 13 00-0099	EA	12" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	31.96	
03 11 13 00-0100	EA	18" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	75.71	

03 11 16 Architectural Cast-In-Place Concrete Forming *(03 11)*

03 11 16 13 Concrete Form Liners *(03 11 16)*

03 11 16 13-0001 Concrete Form Liners *(03 11 16 13)*

03 11 16 13-0002	SF	Various Patterns And Textures, 1 Use, Concrete Form Liner, Add To Formwork	5.79	
03 11 16 13-0003	SF	Beveled Edge, Rusticated Concrete Finish, 1 Use, Concrete Form Liner, Add To Formwork	7.53	
03 11 16 13-0004	SF	Square Edge, Rusticated Concrete Finish, 1 Use, Concrete Form Liner, Add To Formwork	9.89	

03 11 23 Permanent Stair Forming *(03 11)*

03 11 23 00-0001 Stairway Wood Formwork *(03 11 23)*

03 11 23 00-0002	SF	Cast On Grade Stairway Wood Formwork	19.00	
		For Curved Formwork, Add		*7.32*
		For <1,000, Add		*3.71*
03 11 23 00-0003	SF	Elevated Stairway Wood Formwork	37.66	
		Note: Includes adjustable column supports and bracing lumber up to 14' for bottom of elevated stair.		
		For Curved Formwork, Add		*14.23*
		For <1,000, Add		*7.25*

03 11 23 00-0004 Stairway Metal Framed Formwork *(03 11 23)*

03 11 23 00-0005	SF	Cast On Grade Stairway Metal Framed Formwork	16.36	
		For Curved Formwork, Add		*6.03*
		For <1,000, Add		*3.10*
03 11 23 00-0006	SF	Elevated Stairway Metal Framed Formwork	30.02	
		Note: Includes adjustable column supports and bracing lumber up to 14' for bottom of elevated stair.		
		For Curved Formwork, Add		*11.15*
		For <1,000, Add		*5.72*

03 15 Concrete Accessories *(03 10)*

03 15 13 Waterstops *(03 15)*

03 15 13 13 Non-Expanding Waterstops *(03 15 13)*

03 15 13 13-0001 Polyvinyl Chloride (PVC) Waterstops *(03 15 13 13)*

03 15 13 13-0002	LF	3/16" Thick x 4" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop	9.09	
03 15 13 13-0003	LF	3/16" Thick x 6" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop	10.32	
03 15 13 13-0004	LF	3/16" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop With Center Bulb	12.66	
03 15 13 13-0005	LF	3/8" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop With Center Bulb	14.02	
03 15 13 13-0006	LF	1/2" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop	22.06	
03 15 13 13-0007	LF	3/16" Thick x 6" Wide Dumbbell Polyvinyl Chloride (PVC) Waterstop	10.56	
03 15 13 13-0008	LF	3/8" Thick x 6" Wide Dumbbell Polyvinyl Chloride (PVC) Waterstop	13.04	
03 15 13 13-0009	LF	3/8" Thick x 9" Wide Plain Polyvinyl Chloride (PVC) Waterstop	24.28	
03 15 13 13-0010	LF	3/8" Thick x 9" Wide Plain Polyvinyl Chloride (PVC) Waterstop With Center Bulb	18.75	

03 15 13 13-0011 Rubber Waterstops *(03 15 13 13)*

03 15 13 13-0012	LF	3/8" Thick x 6" Wide Rubber Dumbbell Waterstop	9.68	
03 15 13 13-0013	LF	3/8" Thick x 9" Wide Rubber Dumbbell Waterstop	11.09	
03 15 13 13-0014	LF	1/4" Thick x 6" Wide Rubber Waterstop, With Center Bulb	10.09	
03 15 13 13-0015	LF	1/4" Thick x 9" Wide Rubber Waterstop, With Center Bulb	13.79	
03 15 13 13-0016	LF	3/8" Thick x 6" Wide Rubber Waterstop, With Center Bulb	11.48	
03 15 13 13-0017	LF	3/8" Thick x 9" Wide Rubber Waterstop, With Center Bulb	14.65	

03 15 13 16 Expanding Waterstops *(03 15 13)*

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 13 16-0001			**Bentonite Waterstops** *(03 15 13 16)*		
03 15 13 16-0002		LF	3/4" x 3/8" Bentonite Waterstop	8.25	
03 15 13 16-0003		LF	1-1/4" x 1/2" Bentonite Waterstop	12.95	
03 15 13 16-0004		LF	1" x 3/4" Bentonite Waterstop	14.63	
03 15 13 16-0005		LF	1" x 1" Bentonite Waterstop	16.73	
03 15 16			**Concrete Construction Joints** *(03 15)*		
03 15 16 00-0001			**Poured Expansion Joint** *(03 15 16)*		
03 15 16 00-0002		LF	1/2" x 1" Plain Asphalt Expansion Joint, Poured	3.55	0.99
			For Installation In Walls, Add	*1.67*	
03 15 16 00-0003		LF	1" x 2" Plain Asphalt Expansion Joint, Poured	7.87	0.99
			For Installation In Walls, Add	*1.87*	
03 15 16 00-0004		LF	1/2" x 1" Liquid Neoprene Expansion Joint, Poured, Cold Applied	3.79	0.99
			For Installation In Walls, Add	*1.67*	
03 15 16 00-0005		LF	1" x 2" Liquid Neoprene Expansion Joint, Poured, Cold Applied	8.81	0.99
			For Installation In Walls, Add	*1.87*	
03 15 16 00-0006		LF	1/2" x 1" Polyurethane Expansion Joint, Poured, 2 Parts	5.41	0.99
			For Installation In Walls, Add	*1.87*	
03 15 16 00-0007		LF	1" x 2" Polyurethane Expansion Joint, Poured, Poured, 2 Parts	9.85	0.99
			For Installation In Walls, Add	*3.03*	
03 15 16 00-0008		LF	1/2" x 1" Rubberized Asphalt Expansion Joint, Poured, Hot Or Cold Applied	3.94	0.99
			For Installation In Walls, Add	*1.67*	
03 15 16 00-0009		LF	1/2" x 1" Rubberized Asphalt Expansion Joint, Poured, Hot Applied Fuel Resistant	4.83	0.99
			For Installation In Walls, Add	*1.67*	
03 15 16 00-0010		LF	1" x 2" Rubberized Asphalt Expansion Joint, Poured, Hot Applied Fuel Resistant	12.47	0.99
			For Installation In Walls, Add	*1.87*	
03 15 16 00-0011			**Premolded Expansion Joints** *(03 15 16)*		
03 15 16 00-0012			**Asphalt Saturated Fiber, Premolded Expansion Joints** *(03 15 16 00-0011)*		
03 15 16 00-0013		LF	1/4" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint	2.42	1.11
03 15 16 00-0014		LF	1/4" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	2.82	1.16
03 15 16 00-0015		LF	1/4" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	3.06	1.22
03 15 16 00-0016		LF	1/4" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint	3.31	1.27
03 15 16 00-0017		LF	3/8" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint	2.68	1.11
03 15 16 00-0018		LF	3/8" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	3.03	1.16
03 15 16 00-0019		LF	3/8" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	3.44	1.22
03 15 16 00-0020		LF	3/8" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint	4.03	1.27
03 15 16 00-0021		LF	1/2" x 2" Asphalt Saturated Fiber, Premolded Expansion Joint	2.41	1.05
03 15 16 00-0022		LF	1/2" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint	2.64	1.11
03 15 16 00-0023		LF	1/2" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	2.93	1.16
03 15 16 00-0024		LF	1/2" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	3.16	1.22
03 15 16 00-0025		LF	1/2" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint	3.45	1.27
03 15 16 00-0026		LF	1/2" x 8" Asphalt Saturated Fiber, Premolded Expansion Joint	3.86	1.33
03 15 16 00-0027		LF	1/2" x 10" Asphalt Saturated Fiber, Premolded Expansion Joint	4.17	1.38
03 15 16 00-0028		LF	1/2" x 12" Asphalt Saturated Fiber, Premolded Expansion Joint	4.73	1.43
03 15 16 00-0029		LF	3/4" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	2.95	1.16
03 15 16 00-0030		LF	3/4" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	3.42	1.22
03 15 16 00-0031		LF	3/4" x 8" Asphalt Saturated Fiber, Premolded Expansion Joint	4.25	1.33
03 15 16 00-0032		SF	1" Asphalt Saturated Fiber, Premolded Expansion Joint	7.54	1.82
03 15 16 00-0033			**Cork, Premolded Expansion Joints** *(03 15 16 00-0011)*		
03 15 16 00-0034		LF	1/2" x 4" Cork, Premolded Expansion Joint	4.42	1.16
03 15 16 00-0035		LF	1/2" x 6" Cork, Premolded Expansion Joint	4.98	1.27
03 15 16 00-0036		LF	1/2" x 8" Cork, Premolded Expansion Joint	5.43	1.33
03 15 16 00-0037		LF	1/2" x 10" Cork, Premolded Expansion Joint	7.80	1.38
03 15 16 00-0038		LF	1/2" x 12" Cork, Premolded Expansion Joint	8.32	1.43
03 15 16 00-0039		SF	1/2" Cork, Premolded Expansion Joint	9.09	1.82
03 15 16 00-0040		SF	3/4" Cork, Premolded Expansion Joint	10.65	1.82
03 15 16 00-0041		SF	1" Cork, Premolded Expansion Joint	11.37	1.82
03 15 16 00-0042			**Flexible Polyethylene Foam, Premolded Expansion Joints** *(03 15 16 00-0011)*		
03 15 16 00-0043		LF	1/4" x 4" Flexible Polyethylene Foam, Premolded Expansion Joint	2.65	1.16
03 15 16 00-0044		LF	1/4" x 5" Flexible Polyethylene Foam, Premolded Expansion Joint	2.76	1.22
03 15 16 00-0045		LF	1/4" x 6" Flexible Polyethylene Foam, Premolded Expansion Joint	2.92	1.27
03 15 16 00-0046		LF	1/4" x 8" Flexible Polyethylene Foam, Premolded Expansion Joint	3.45	1.33
03 15 16 00-0047		LF	1/2" x 4" Flexible Polyethylene Foam, Premolded Expansion Joint	2.74	1.16
03 15 16 00-0048		LF	1/2" x 5" Flexible Polyethylene Foam, Premolded Expansion Joint	2.86	1.22
03 15 16 00-0049		LF	1/2" x 6" Flexible Polyethylene Foam, Premolded Expansion Joint	2.98	1.27
03 15 16 00-0050		LF	1/2" x 8" Flexible Polyethylene Foam, Premolded Expansion Joint	3.30	1.33
03 15 16 00-0051			**Zip Strip, Premolded Expansion Joints** *(03 15 16 00-0011)*		
03 15 16 00-0052		LF	1" Zip Strip, Premolded Expansion Joint	2.68	1.16
03 15 16 00-0053		LF	1-1/2" Zip Strip, Premolded Expansion Joint	2.95	1.22
03 15 16 00-0054		LF	2" Zip Strip, Premolded Expansion Joint	3.29	1.33

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LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 16 00-0055		**Sponge Rubber, Premolded Expansion Joints** *(03 15 16 00-0011)*		
03 15 16 00-0056	LF	1/2" x 4" Sponge Rubber, Premolded Expansion Joint	4.45	1.11
03 15 16 00-0057	LF	1/2" x 6" Sponge Rubber, Premolded Expansion Joint	5.33	1.11
03 15 16 00-0058		**Asphalt Felt Control Joints Or Bond Breaker** *(03 15 16)*		
03 15 16 00-0059	SF	Asphalt Felt Control Joint, 30 Lb. Felt Bond Breaker	1.28	0.83
		>1,250, Deduct	*-0.06*	
03 15 16 00-0060	SF	Asphalt Felt Control Joint, 15 Lb. Felt Bond Breaker	1.19	0.83
		>1,250, Deduct	*-0.06*	
03 15 16 00-0061		**Keyed Cold Expansion And Control Joints** *(03 15 16)*		
03 15 16 00-0062		**24 Gauge Galvanized Steel With Stakes** *(03 15 16 00-0061)*		
03 15 16 00-0063	LF	24 Gauge Galvanized Steel Keyed Joint, 3-1/2" Cold Expansion Or Control Joint	6.35	
03 15 16 00-0064	LF	24 Gauge Galvanized Steel Keyed Joint, 4-1/2" Cold Expansion Or Control Joint	6.47	
03 15 16 00-0065	LF	24 Gauge Galvanized Steel Keyed Joint, 5-1/2" Cold Expansion Or Control Joint	6.71	
03 15 16 00-0066	LF	24 Gauge Galvanized Steel Keyed Joint, 7-1/2" Cold Expansion Or Control Joint	7.12	
03 15 16 00-0067	LF	24 Gauge Galvanized Steel Keyed Joint, 9-1/2" Cold Expansion Or Control Joint	8.96	
03 15 16 00-0068		**Expansion Control Systems** *(03 15 16)*		
03 15 16 00-0069		**Wabo Jeene "FW" Traffic Series Expansion Control System** *(03 15 16 00-0068)*		
		Note: Jeene® is a patented structural sealing joint system comprised of a neoprene profile, which is air-pressurized and bonded in place with a specially formulated epoxy adhesive. Complete adhesion of the epoxy to the profile and joint wall is achieved due to the air inflation during installation.		
03 15 16 00-0070	LF	1" x 1-1/4" Jeene "FW" Expansion Joint System	94.40	6.67
		Note: Jeene 25FW. Includes seal, adhesive and all components required for installation. Excludes surface preparation.		
03 15 16 00-0071	LF	1-5/8" x 2" Jeene "FW" Expansion Joint System	116.79	7.57
		Note: Jeene 40FW. Includes seal, adhesive and all components required for installation. Excludes surface preparation.		
03 15 16 00-0072	LF	2" x 2-1/2" Jeene "FW" Expansion Joint System	135.50	8.34
		Note: Jeene 50FW. Includes seal, adhesive and all components required for installation. Excludes surface preparation.		
03 15 16 00-0073	LF	2-1/2" x 3-1/4" Jeene "FW" Expansion Joint System	161.71	9.23
		Note: Jeene 65FW. Includes seal, adhesive and all components required for installation. Excludes surface preparation.		
03 15 16 00-0074	LF	3" x 3-3/4" Jeene "FW" Expansion Joint System	203.62	10.12
		Note: Jeene 75FW. Includes seal, adhesive and all components required for installation. Excludes surface preparation.		
03 15 16 00-0075	LF	3-7/8" x 5" Jeene "FW" Expansion Joint System	241.04	10.90
		Note: Jeene 100FW. Includes seal, adhesive and all components required for installation. Excludes surface preparation.		
03 15 16 00-0076	LF	5" x 6-1/8" Jeene "FW" Expansion Joint System	395.21	11.80
		Note: Jeene 125FW. Includes seal, adhesive and all components required for installation. Excludes surface preparation.		
03 15 16 00-0077		**Wabo ElastoFlex "EFJ" High Impact Load Expansion Joint System** *(03 15 16 00-0068)*		
		Note: Wabo®ElastoFlex is a watertight continuous membrane system for joints with movements up to four inches in parking decks, loading docks, elevated roadways and other vehicle and forklift traffic. It uses mechanically fastened ethylene propylene diene monomer (EPDM) anchor blocks with molded-in steel inserts to support heavy-duty and high impact loads. The winged flap of the durable elastomeric seal is locked between the anchor block and concrete slab. An epoxy paste bedding adhesive is applied between the winged flap and concrete slab to enhance the product's watertightness. The exposed surfaces are non-metallic and skid resistant while resisting UV deterioration and most chemicals.		
03 15 16 00-0078	LF	1-1/2" ElastoFlex "EFJ" Expansion Joint System	179.47	8.83
		Note: ElastoFlex EFJ-225 slab to slab. Includes seal, adhesive, epoxy bonded anchors and all components required for installation. Excludes drilling and surface preparation.		
03 15 16 00-0079	LF	2-1/2" ElastoFlex "EFJ" Expansion Joint System	223.05	11.04
		Note: ElastoFlex EFJ-400 slab to slab. Includes seal, adhesive, epoxy bonded anchors and all components required for installation. Excludes drilling and surface preparation.		
03 15 16 00-0080	LF	3-3/4" ElastoFlex "EFJ" Expansion Joint System	280.20	13.24
		Note: ElastoFlex EFJ-600 slab to slab. Includes seal, adhesive, epoxy bonded anchors and all components required for installation. Excludes drilling and surface preparation.		
03 15 16 00-0081	LF	1-1/2" ElastoFlex "EFJ-C" Expansion Joint System	136.64	8.83
		Note: ElastoFlex EFJ-225C wall to slab. Includes seal, adhesive, epoxy bonded anchors and all components required for installation. Excludes drilling and surface preparation.		
03 15 16 00-0082	LF	2-1/2" ElastoFlex "EFJ-C" Expansion Joint System	177.72	11.04
		Note: ElastoFlex EFJ-400C wall to slab. Includes seal, adhesive, epoxy bonded anchors and all components required for installation. Excludes drilling and surface preparation.		
03 15 16 00-0083	LF	3-3/4" ElastoFlex "EFJ-C" Expansion Joint System	237.37	13.24
		Note: ElastoFlex EFJ-600C wall to slab. Includes seal, adhesive, epoxy bonded anchors and all components required for installation. Excludes drilling and surface preparation.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 16 00-0084		**Emseal Seismic Colorseal Expansion Joint System** *(03 15 16 00-0068)* Note: For high-movement and seismic structural expansion joints, panel joints, window perimeter joints, joints around other penetrations of the building envelope such as store-fronts, curtain walls, EIFS panel joints etc, seal shall be silicone pre-coated, preformed, pre-compressed, self-expanding, sealant system. Seal shall combine factory-applied, 15 Shore-A hardness, low-modulus silicone, and a backing of acrylic-impregnated expanding foam into a unified binary sealant system.		
03 15 16 00-0085	LF	1" Seismic Colorseal Expansion Joint System Note: Includes seal, adhesive, field applied silicon cornerbeads and all components required for installation. Excludes surface preparation.	59.35	4.45
03 15 16 00-0086	LF	1-1/2" Seismic Colorseal Expansion Joint System Note: Includes seal, adhesive, field applied silicon cornerbeads and all components required for installation. Excludes surface preparation.	88.16	5.12
03 15 16 00-0087	LF	2" Seismic Colorseal Expansion Joint System Note: Includes seal, adhesive, field applied silicon cornerbeads and all components required for installation. Excludes surface preparation.	122.09	5.79
03 15 16 00-0088	LF	2-1/2" Seismic Colorseal Expansion Joint System Note: Includes seal, adhesive, field applied silicon cornerbeads and all components required for installation. Excludes surface preparation.	151.42	6.35
03 15 16 00-0089	LF	3" Seismic Colorseal Expansion Joint System Note: Includes seal, adhesive, field applied silicon cornerbeads and all components required for installation. Excludes surface preparation.	186.64	7.01
03 15 16 00-0090	LF	3-1/2" Seismic Colorseal Expansion Joint System Note: Includes seal, adhesive, field applied silicon cornerbeads and all components required for installation. Excludes surface preparation.	230.16	7.68
03 15 16 00-0091	LF	4" Seismic Colorseal Expansion Joint System Note: Includes seal, adhesive, field applied silicon cornerbeads and all components required for installation. Excludes surface preparation.	276.23	8.34
03 15 16 00-0092	LF	4-1/2" Seismic Colorseal Expansion Joint System Note: Includes seal, adhesive, field applied silicon cornerbeads and all components required for installation. Excludes surface preparation.	317.73	8.90
03 15 16 00-0093	LF	5" Seismic Colorseal Expansion Joint System Note: Includes seal, adhesive, field applied silicon cornerbeads and all components required for installation. Excludes surface preparation.	361.26	9.57
03 15 16 00-0094		**Emseal Thermaflex Watertight Expansion Joint System** *(03 15 16 00-0068)* Note: Thermaflex consists of extruded thermo-plastic Santoprene rubber sealing glands with punched flanges embedded in a high-strength, flexible, impact-absorbing elastomeric concrete nosing. The thermo-plastic Santoprene sealing glands are heat-weldable making transitions through changes in direction and plane not only practical but watertight. The elastomeric concrete is two-part polyurethane reinforced with silica sand and fiberglass.		
03 15 16 00-0095	LF	1-1/2" Thermaflex TM Expansion Joint System Note: Includes seal, adhesive, polyurethane elastomeric concrete and all components required for installation. Excludes surface preparation.	100.91	6.63
03 15 16 00-0096	LF	2-1/2" Thermaflex TM Expansion Joint System Note: Includes seal, adhesive, polyurethane elastomeric concrete and all components required for installation. Excludes surface preparation.	107.71	7.72
03 15 16 00-0097	EA	Thermaflex TM Fittings Expansion Joint System Note: For direction changes, tees and crosses. Includes seal, adhesive, polyurethane elastomeric concrete and all components required for installation. Excludes surface preparation.	518.46	22.07

03 15 19 Cast-In Concrete Anchors *(03 15)*

03 15 19 00-0001		**Cast In Place Anchors** *(03 15 19)* Note: For cast in place installations. Includes nut and washer.		
03 15 19 00-0002		**J-Type Anchor Bolts** *(03 15 19 00-0001)* See CSI section 03 11 13 00-0002 for template.		
03 15 19 00-0003		**1/2" And 5/8" Diameter** *(03 15 19 00-0002)*		
03 15 19 00-0004	EA	1/2" Diameter x 6" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	13.00	
		For Galvanized, Add	*3.37*	
		For Stainless Steel, Add	*23.56*	
		For >10 To 50, Deduct	*-0.31*	
		For >50 To 100, Deduct	*-0.80*	
		For >100, Deduct	*-1.59*	
03 15 19 00-0005	EA	1/2" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	15.34	
		For Galvanized, Add	*4.29*	
		For Stainless Steel, Add	*30.03*	
		For >10 To 50, Deduct	*-0.34*	
		For >50 To 100, Deduct	*-0.89*	
		For >100, Deduct	*-1.78*	
03 15 19 00-0006	EA	1/2" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	19.14	
		For Galvanized, Add	*5.91*	
		For Stainless Steel, Add	*41.37*	
		For >10 To 50, Deduct	*-0.37*	
		For >50 To 100, Deduct	*-1.03*	
		For >100, Deduct	*-2.06*	
03 15 19 00-0007	EA	5/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	22.76	
		For Galvanized, Add	*7.72*	
		For Stainless Steel, Add	*54.04*	
		For >10 To 50, Deduct	*-0.37*	
		For >50 To 100, Deduct	*-1.12*	
		For >100, Deduct	*-2.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0008	EA	5/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	28.60	
		For Galvanized, Add	*10.31*	
		For Stainless Steel, Add	*72.14*	
		For >10 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-1.31*	
		For >100, Deduct	*-2.63*	
03 15 19 00-0009	EA	5/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	32.33	
		For Galvanized, Add	*11.78*	
		For Stainless Steel, Add	*82.43*	
		For >10 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-1.47*	
		For >100, Deduct	*-2.93*	
03 15 19 00-0010		3/4" And 7/8" Diameter *(03 15 19 00-0002)*		
03 15 19 00-0011	EA	3/4" Diameter x 8" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	32.17	
		For Galvanized, Add	*11.70*	
		For Stainless Steel, Add	*81.87*	
		For >10 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-1.46*	
		For >100, Deduct	*-2.93*	
03 15 19 00-0012	EA	3/4" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	37.02	
		For Galvanized, Add	*13.63*	
		For Stainless Steel, Add	*95.41*	
		For >10 To 50, Deduct	*-0.49*	
		For >50 To 100, Deduct	*-1.66*	
		For >100, Deduct	*-3.32*	
03 15 19 00-0013	EA	3/4" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	45.89	
		For Galvanized, Add	*17.46*	
		For Stainless Steel, Add	*122.19*	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.97*	
		For >100, Deduct	*-3.94*	
03 15 19 00-0014	EA	3/4" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	56.30	
		For Galvanized, Add	*22.00*	
		For Stainless Steel, Add	*154.00*	
		For >10 To 50, Deduct	*-0.62*	
		For >50 To 100, Deduct	*-2.33*	
		For >100, Deduct	*-4.66*	
03 15 19 00-0015	EA	7/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	42.95	
		For Galvanized, Add	*15.99*	
		For Stainless Steel, Add	*111.90*	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.90*	
		For >100, Deduct	*-3.79*	
03 15 19 00-0016	EA	7/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	50.83	
		For Galvanized, Add	*19.14*	
		For Stainless Steel, Add	*133.98*	
		For >10 To 50, Deduct	*-0.63*	
		For >50 To 100, Deduct	*-2.21*	
		For >100, Deduct	*-4.42*	
03 15 19 00-0017	EA	7/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	65.65	
		For Galvanized, Add	*25.51*	
		For Stainless Steel, Add	*178.57*	
		For >10 To 50, Deduct	*-0.73*	
		For >50 To 100, Deduct	*-2.74*	
		For >100, Deduct	*-5.48*	
03 15 19 00-0018		1" And 1-1/8" Diameter *(03 15 19 00-0002)*		
03 15 19 00-0019	EA	1" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	53.90	
		For Galvanized, Add	*20.68*	
		For Stainless Steel, Add	*144.73*	
		For >10 To 50, Deduct	*-0.63*	
		For >50 To 100, Deduct	*-2.29*	
		For >100, Deduct	*-4.58*	
03 15 19 00-0020	EA	1" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	64.39	
		For Galvanized, Add	*24.88*	
		For Stainless Steel, Add	*174.16*	
		For >10 To 50, Deduct	*-0.73*	
		For >50 To 100, Deduct	*-2.71*	
		For >100, Deduct	*-5.41*	
03 15 19 00-0021	EA	1" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	79.94	
		For Galvanized, Add	*31.19*	
		For Stainless Steel, Add	*218.33*	
		For >10 To 50, Deduct	*-0.88*	
		For >50 To 100, Deduct	*-3.32*	
		For >100, Deduct	*-6.63*	
03 15 19 00-0022	EA	1" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	98.16	
		For Galvanized, Add	*38.11*	
		For Stainless Steel, Add	*266.74*	
		For >10 To 50, Deduct	*-1.10*	
		For >50 To 100, Deduct	*-4.10*	
		For >100, Deduct	*-8.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0023	EA	1-1/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	65.46	
		For Galvanized, Add	*25.85*	
		For Stainless Steel, Add	*180.92*	
		For >10 To 50, Deduct	*-0.69*	
		For >50 To 100, Deduct	*-2.67*	
		For >100, Deduct	*-5.34*	
03 15 19 00-0024	EA	1-1/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	78.27	
		For Galvanized, Add	*31.11*	
		For Stainless Steel, Add	*217.74*	
		For >10 To 50, Deduct	*-0.80*	
		For >50 To 100, Deduct	*-3.16*	
		For >100, Deduct	*-6.32*	
03 15 19 00-0025	EA	1-1/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	97.26	
		For Galvanized, Add	*38.99*	
		For Stainless Steel, Add	*272.93*	
		For >10 To 50, Deduct	*-0.96*	
		For >50 To 100, Deduct	*-3.88*	
		For >100, Deduct	*-7.76*	
03 15 19 00-0026	EA	1-1/8" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	119.37	
		For Galvanized, Add	*47.64*	
		For Stainless Steel, Add	*333.45*	
		For >10 To 50, Deduct	*-1.21*	
		For >50 To 100, Deduct	*-4.79*	
		For >100, Deduct	*-9.58*	

03 15 19 00-0027 1-1/4" And 1-1/2" Diameter *(03 15 19 00-0002)*

03 15 19 00-0028	EA	1-1/4" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	79.87	
		For Galvanized, Add	*32.31*	
		For Stainless Steel, Add	*226.14*	
		For >10 To 50, Deduct	*-0.76*	
		For >50 To 100, Deduct	*-3.14*	
		For >100, Deduct	*-6.28*	
03 15 19 00-0029	EA	1-1/4" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	95.56	
		For Galvanized, Add	*38.89*	
		For Stainless Steel, Add	*272.20*	
		For >10 To 50, Deduct	*-0.89*	
		For >50 To 100, Deduct	*-3.72*	
		For >100, Deduct	*-7.45*	
03 15 19 00-0030	EA	1-1/4" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	118.86	
		For Galvanized, Add	*48.75*	
		For Stainless Steel, Add	*341.25*	
		For >10 To 50, Deduct	*-1.07*	
		For >50 To 100, Deduct	*-4.57*	
		For >100, Deduct	*-9.15*	
03 15 19 00-0031	EA	1-1/4" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	145.76	
		For Galvanized, Add	*59.54*	
		For Stainless Steel, Add	*416.75*	
		For >10 To 50, Deduct	*-1.33*	
		For >50 To 100, Deduct	*-5.65*	
		For >100, Deduct	*-11.29*	
03 15 19 00-0032	EA	1-1/2" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	97.87	
		For Galvanized, Add	*40.38*	
		For Stainless Steel, Add	*282.66*	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-3.73*	
		For >100, Deduct	*-7.46*	
03 15 19 00-0033	EA	1-1/2" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	117.16	
		For Galvanized, Add	*48.60*	
		For Stainless Steel, Add	*340.20*	
		For >10 To 50, Deduct	*-1.00*	
		For >50 To 100, Deduct	*-4.43*	
		For >100, Deduct	*-8.85*	
03 15 19 00-0034	EA	1-1/2" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	145.85	
		For Galvanized, Add	*60.95*	
		For Stainless Steel, Add	*426.62*	
		For >10 To 50, Deduct	*-1.20*	
		For >50 To 100, Deduct	*-5.44*	
		For >100, Deduct	*-10.89*	
03 15 19 00-0035	EA	1-1/2" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	178.78	
		For Galvanized, Add	*74.43*	
		For Stainless Steel, Add	*520.98*	
		For >10 To 50, Deduct	*-1.50*	
		For >50 To 100, Deduct	*-6.71*	
		For >100, Deduct	*-13.43*	

03 15 19 00-0036 L-Type Anchor Bolts *(03 15 19 00-0001)*

See CSI section 03 11 13 00-0002 for template.

03 15 19 00-0037 3/4" And 7/8" Diameter *(03 15 19 00-0036)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0038	EA	3/4" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	27.64	
		For Galvanized, Add	*8.94*	
		For Stainless Steel, Add	*62.58*	
		For >10 To 50, Deduct	*-0.49*	
		For >50 To 100, Deduct	*-1.42*	
		For >100, Deduct	*-2.85*	
03 15 19 00-0039	EA	3/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	33.06	
		For Galvanized, Add	*11.04*	
		For Stainless Steel, Add	*77.28*	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.65*	
		For >100, Deduct	*-3.30*	
03 15 19 00-0040	EA	3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	37.87	
		For Galvanized, Add	*12.66*	
		For Stainless Steel, Add	*88.62*	
		For >10 To 50, Deduct	*-0.63*	
		For >50 To 100, Deduct	*-1.89*	
		For >100, Deduct	*-3.78*	
03 15 19 00-0041	EA	3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	40.92	
		For Galvanized, Add	*13.15*	
		For Stainless Steel, Add	*92.02*	
		For >10 To 50, Deduct	*-0.73*	
		For >50 To 100, Deduct	*-2.12*	
		For >100, Deduct	*-4.24*	
03 15 19 00-0042	EA	3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	45.15	
		For Galvanized, Add	*13.80*	
		For Stainless Steel, Add	*96.57*	
		For >10 To 50, Deduct	*-0.88*	
		For >50 To 100, Deduct	*-2.45*	
		For >100, Deduct	*-4.89*	
03 15 19 00-0043	EA	7/8" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	33.15	
		For Galvanized, Add	*11.09*	
		For Stainless Steel, Add	*77.60*	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.65*	
		For >100, Deduct	*-3.30*	
03 15 19 00-0044	EA	7/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	38.38	
		For Galvanized, Add	*12.92*	
		For Stainless Steel, Add	*90.41*	
		For >10 To 50, Deduct	*-0.63*	
		For >50 To 100, Deduct	*-1.90*	
		For >100, Deduct	*-3.80*	
03 15 19 00-0045	EA	7/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	44.24	
		For Galvanized, Add	*14.81*	
		For Stainless Steel, Add	*103.64*	
		For >10 To 50, Deduct	*-0.73*	
		For >50 To 100, Deduct	*-2.20*	
		For >100, Deduct	*-4.41*	
03 15 19 00-0046	EA	7/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	48.31	
		For Galvanized, Add	*15.38*	
		For Stainless Steel, Add	*107.63*	
		For >10 To 50, Deduct	*-0.88*	
		For >50 To 100, Deduct	*-2.52*	
		For >100, Deduct	*-5.05*	
03 15 19 00-0047	EA	7/8" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	54.25	
		For Galvanized, Add	*16.15*	
		For Stainless Steel, Add	*113.05*	
		For >10 To 50, Deduct	*-1.10*	
		For >50 To 100, Deduct	*-3.00*	
		For >100, Deduct	*-6.01*	

03 15 19 00-0048 1" And 1-1/8" Diameter *(03 15 19 00-0036)*

03 15 19 00-0049	EA	1" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	40.98	
		For Galvanized, Add	*14.22*	
		For Stainless Steel, Add	*99.51*	
		For >10 To 50, Deduct	*-0.63*	
		For >50 To 100, Deduct	*-1.97*	
		For >100, Deduct	*-3.93*	
03 15 19 00-0050	EA	1" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	46.60	
		For Galvanized, Add	*15.99*	
		For Stainless Steel, Add	*111.90*	
		For >10 To 50, Deduct	*-0.73*	
		For >50 To 100, Deduct	*-2.26*	
		For >100, Deduct	*-4.52*	
03 15 19 00-0051	EA	1" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	53.31	
		For Galvanized, Add	*17.88*	
		For Stainless Steel, Add	*125.13*	
		For >10 To 50, Deduct	*-0.88*	
		For >50 To 100, Deduct	*-2.65*	
		For >100, Deduct	*-5.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0052	EA	1" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	56.52	
		For Galvanized, Add	*18.72*	
		For Stainless Steel, Add	*131.01*	
		For >10 To 50, Deduct	*-0.95*	
		For >50 To 100, Deduct	*-2.84*	
		For >100, Deduct	*-5.69*	
03 15 19 00-0053	EA	1" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	61.15	
		For Galvanized, Add	*19.60*	
		For Stainless Steel, Add	*137.20*	
		For >10 To 50, Deduct	*-1.10*	
		For >50 To 100, Deduct	*-3.18*	
		For >100, Deduct	*-6.35*	
03 15 19 00-0054	EA	1" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	69.82	
		For Galvanized, Add	*22.72*	
		For Stainless Steel, Add	*159.01*	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-3.57*	
		For >100, Deduct	*-7.15*	
03 15 19 00-0055	EA	1" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	82.44	
		For Galvanized, Add	*26.59*	
		For Stainless Steel, Add	*186.10*	
		For >10 To 50, Deduct	*-1.46*	
		For >50 To 100, Deduct	*-4.26*	
		For >100, Deduct	*-8.51*	
03 15 19 00-0056	EA	1-1/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	52.02	
		For Galvanized, Add	*18.70*	
		For Stainless Steel, Add	*130.87*	
		For >10 To 50, Deduct	*-0.73*	
		For >50 To 100, Deduct	*-2.40*	
		For >100, Deduct	*-4.80*	
03 15 19 00-0057	EA	1-1/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	59.41	
		For Galvanized, Add	*20.93*	
		For Stainless Steel, Add	*146.48*	
		For >10 To 50, Deduct	*-0.88*	
		For >50 To 100, Deduct	*-2.80*	
		For >100, Deduct	*-5.60*	
03 15 19 00-0058	EA	1-1/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	62.88	
		For Galvanized, Add	*21.90*	
		For Stainless Steel, Add	*153.27*	
		For >10 To 50, Deduct	*-0.95*	
		For >50 To 100, Deduct	*-3.00*	
		For >100, Deduct	*-6.01*	

03 15 19 00-0059 1-1/4" And 1-3/8" Diameter *(03 15 19 00-0036)*

03 15 19 00-0060	EA	1-1/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	62.78	
		For Galvanized, Add	*22.61*	
		For Stainless Steel, Add	*158.27*	
		For >10 To 50, Deduct	*-0.88*	
		For >50 To 100, Deduct	*-2.89*	
		For >100, Deduct	*-5.77*	
03 15 19 00-0061	EA	1-1/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	74.86	
		For Galvanized, Add	*26.46*	
		For Stainless Steel, Add	*185.19*	
		For >10 To 50, Deduct	*-1.10*	
		For >50 To 100, Deduct	*-3.52*	
		For >100, Deduct	*-7.04*	
03 15 19 00-0062	EA	1-1/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	83.05	
		For Galvanized, Add	*29.97*	
		For Stainless Steel, Add	*209.79*	
		For >10 To 50, Deduct	*-1.16*	
		For >50 To 100, Deduct	*-3.81*	
		For >100, Deduct	*-7.62*	
03 15 19 00-0063	EA	1-1/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	92.07	
		For Galvanized, Add	*33.84*	
		For Stainless Steel, Add	*236.88*	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-4.13*	
		For >100, Deduct	*-8.26*	
03 15 19 00-0064	EA	1-1/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	101.05	
		For Galvanized, Add	*36.81*	
		For Stainless Steel, Add	*257.64*	
		For >10 To 50, Deduct	*-1.37*	
		For >50 To 100, Deduct	*-4.58*	
		For >100, Deduct	*-9.17*	
03 15 19 00-0065	EA	1-1/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	110.18	
		For Galvanized, Add	*39.41*	
		For Stainless Steel, Add	*275.87*	
		For >10 To 50, Deduct	*-1.57*	
		For >50 To 100, Deduct	*-5.11*	
		For >100, Deduct	*-10.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0066	EA	1-1/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	120.95	
		For Galvanized, Add	*42.19*	
		For Stainless Steel, Add	*295.30*	
		For >10 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-5.77*	
		For >100, Deduct	*-11.53*	
03 15 19 00-0067	EA	1-1/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	137.20	
		For Galvanized, Add	*46.65*	
		For Stainless Steel, Add	*326.52*	
		For >10 To 50, Deduct	*-2.20*	
		For >50 To 100, Deduct	*-6.72*	
		For >100, Deduct	*-13.45*	
03 15 19 00-0068	EA	1-3/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	74.09	
		For Galvanized, Add	*28.27*	
		For Stainless Steel, Add	*197.86*	
		For >10 To 50, Deduct	*-0.88*	
		For >50 To 100, Deduct	*-3.17*	
		For >100, Deduct	*-6.34*	
03 15 19 00-0069	EA	1-3/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	88.11	
		For Galvanized, Add	*33.08*	
		For Stainless Steel, Add	*231.56*	
		For >10 To 50, Deduct	*-1.10*	
		For >50 To 100, Deduct	*-3.85*	
		For >100, Deduct	*-7.70*	
03 15 19 00-0070	EA	1-3/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	98.02	
		For Galvanized, Add	*37.46*	
		For Stainless Steel, Add	*262.19*	
		For >10 To 50, Deduct	*-1.16*	
		For >50 To 100, Deduct	*-4.18*	
		For >100, Deduct	*-8.37*	
03 15 19 00-0071	EA	1-3/8" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	108.97	
		For Galvanized, Add	*42.29*	
		For Stainless Steel, Add	*296.03*	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-4.55*	
		For >100, Deduct	*-9.11*	
03 15 19 00-0072	EA	1-3/8" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	119.47	
		For Galvanized, Add	*46.02*	
		For Stainless Steel, Add	*322.11*	
		For >10 To 50, Deduct	*-1.37*	
		For >50 To 100, Deduct	*-5.04*	
		For >100, Deduct	*-10.09*	
03 15 19 00-0073	EA	1-3/8" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	129.91	
		For Galvanized, Add	*49.28*	
		For Stainless Steel, Add	*344.93*	
		For >10 To 50, Deduct	*-1.57*	
		For >50 To 100, Deduct	*-5.60*	
		For >100, Deduct	*-11.20*	
03 15 19 00-0074	EA	1-3/8" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	142.91	
		For Galvanized, Add	*53.17*	
		For Stainless Steel, Add	*372.16*	
		For >10 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-6.32*	
		For >100, Deduct	*-12.63*	
03 15 19 00-0075	EA	1-3/8" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	160.55	
		For Galvanized, Add	*58.32*	
		For Stainless Steel, Add	*408.24*	
		For >10 To 50, Deduct	*-2.20*	
		For >50 To 100, Deduct	*-7.31*	
		For >100, Deduct	*-14.61*	

03 15 19 00-0076 1-1/2", 1-3/4", And 2" Diameter *(03 15 19 00-0036)*

03 15 19 00-0077	EA	1-1/2" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	98.32	
		For Galvanized, Add	*39.18*	
		For Stainless Steel, Add	*274.26*	
		For >10 To 50, Deduct	*-1.00*	
		For >50 To 100, Deduct	*-3.96*	
		For >100, Deduct	*-7.91*	
03 15 19 00-0078	EA	1-1/2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	105.30	
		For Galvanized, Add	*41.10*	
		For Stainless Steel, Add	*287.67*	
		For >10 To 50, Deduct	*-1.16*	
		For >50 To 100, Deduct	*-4.37*	
		For >100, Deduct	*-8.73*	
03 15 19 00-0079	EA	1-1/2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	116.26	
		For Galvanized, Add	*45.22*	
		For Stainless Steel, Add	*316.51*	
		For >10 To 50, Deduct	*-1.29*	
		For >50 To 100, Deduct	*-4.84*	
		For >100, Deduct	*-9.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0080	EA	1-1/2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	126.24	
		For Galvanized, Add	*49.40*	
		For Stainless Steel, Add	*345.80*	
		For >10 To 50, Deduct	*-1.37*	
		For >50 To 100, Deduct	*-5.21*	
		For >100, Deduct	*-10.43*	
03 15 19 00-0081	EA	1-1/2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	136.44	
		For Galvanized, Add	*53.59*	
		For Stainless Steel, Add	*375.10*	
		For >10 To 50, Deduct	*-1.46*	
		For >50 To 100, Deduct	*-5.61*	
		For >100, Deduct	*-11.21*	
03 15 19 00-0082	EA	1-1/2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	149.03	
		For Galvanized, Add	*57.63*	
		For Stainless Steel, Add	*403.38*	
		For >10 To 50, Deduct	*-1.69*	
		For >50 To 100, Deduct	*-6.26*	
		For >100, Deduct	*-12.52*	
03 15 19 00-0083	EA	1-1/2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	164.59	
		For Galvanized, Add	*62.34*	
		For Stainless Steel, Add	*436.35*	
		For >10 To 50, Deduct	*-2.00*	
		For >50 To 100, Deduct	*-7.11*	
		For >100, Deduct	*-14.22*	
03 15 19 00-0084	EA	1-1/2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	187.03	
		For Galvanized, Add	*69.13*	
		For Stainless Steel, Add	*483.88*	
		For >10 To 50, Deduct	*-2.44*	
		For >50 To 100, Deduct	*-8.33*	
		For >100, Deduct	*-16.67*	
03 15 19 00-0085	EA	1-3/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	139.85	
		For Galvanized, Add	*58.95*	
		For Stainless Steel, Add	*412.65*	
		For >10 To 50, Deduct	*-1.10*	
		For >50 To 100, Deduct	*-5.14*	
		For >100, Deduct	*-10.29*	
03 15 19 00-0086	EA	1-3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	144.85	
		For Galvanized, Add	*60.23*	
		For Stainless Steel, Add	*421.61*	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-5.45*	
		For >100, Deduct	*-10.90*	
03 15 19 00-0087	EA	1-3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	148.23	
		For Galvanized, Add	*61.20*	
		For Stainless Steel, Add	*428.40*	
		For >10 To 50, Deduct	*-1.29*	
		For >50 To 100, Deduct	*-5.64*	
		For >100, Deduct	*-11.29*	
03 15 19 00-0088	EA	1-3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	168.81	
		For Galvanized, Add	*70.69*	
		For Stainless Steel, Add	*494.80*	
		For >10 To 50, Deduct	*-1.37*	
		For >50 To 100, Deduct	*-6.28*	
		For >100, Deduct	*-12.56*	
03 15 19 00-0089	EA	1-3/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	194.56	
		For Galvanized, Add	*81.60*	
		For Stainless Steel, Add	*571.20*	
		For >10 To 50, Deduct	*-1.57*	
		For >50 To 100, Deduct	*-7.22*	
		For >100, Deduct	*-14.43*	
03 15 19 00-0090	EA	1-3/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	201.92	
		For Galvanized, Add	*82.67*	
		For Stainless Steel, Add	*578.69*	
		For >10 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-7.79*	
		For >100, Deduct	*-15.58*	
03 15 19 00-0091	EA	1-3/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	222.46	
		For Galvanized, Add	*89.28*	
		For Stainless Steel, Add	*624.93*	
		For >10 To 50, Deduct	*-2.20*	
		For >50 To 100, Deduct	*-8.85*	
		For >100, Deduct	*-17.71*	
03 15 19 00-0092	EA	1-3/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	247.18	
		For Galvanized, Add	*96.15*	
		For Stainless Steel, Add	*673.05*	
		For >10 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-10.30*	
		For >100, Deduct	*-20.59*	
03 15 19 00-0093	EA	2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	205.30	
		For Galvanized, Add	*89.74*	
		For Stainless Steel, Add	*628.15*	
		For >10 To 50, Deduct	*-1.29*	
		For >50 To 100, Deduct	*-7.07*	
		For >100, Deduct	*-14.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0094	EA	2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	223.30	
		For Galvanized, Add	*97.02*	
		For Stainless Steel, Add	*679.11*	
		For >10 To 50, Deduct	*-1.46*	
		For >50 To 100, Deduct	*-7.78*	
		For >100, Deduct	*-15.56*	
03 15 19 00-0095	EA	2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	245.26	
		For Galvanized, Add	*105.74*	
		For Stainless Steel, Add	*740.18*	
		For >10 To 50, Deduct	*-1.69*	
		For >50 To 100, Deduct	*-8.67*	
		For >100, Deduct	*-17.33*	
03 15 19 00-0096	EA	2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	263.89	
		For Galvanized, Add	*111.99*	
		For Stainless Steel, Add	*783.90*	
		For >10 To 50, Deduct	*-2.00*	
		For >50 To 100, Deduct	*-9.59*	
		For >100, Deduct	*-19.18*	
03 15 19 00-0097	EA	2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	284.58	
		For Galvanized, Add	*120.34*	
		For Stainless Steel, Add	*842.35*	
		For >10 To 50, Deduct	*-2.20*	
		For >50 To 100, Deduct	*-10.41*	
		For >100, Deduct	*-20.82*	
03 15 19 00-0098	EA	2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	305.77	
		For Galvanized, Add	*128.50*	
		For Stainless Steel, Add	*899.47*	
		For >10 To 50, Deduct	*-2.44*	
		For >50 To 100, Deduct	*-11.30*	
		For >100, Deduct	*-22.61*	
03 15 19 00-0099	EA	2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	338.73	
		For Galvanized, Add	*138.00*	
		For Stainless Steel, Add	*966.00*	
		For >10 To 50, Deduct	*-3.14*	
		For >50 To 100, Deduct	*-13.17*	
		For >100, Deduct	*-26.35*	
03 15 19 00-0100	EA	2" Diameter x 66" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	366.16	
		For Galvanized, Add	*151.72*	
		For Stainless Steel, Add	*1,062.01*	
		For >10 To 50, Deduct	*-3.14*	
		For >50 To 100, Deduct	*-13.86*	
		For >100, Deduct	*-27.72*	
03 15 19 00-0101	EA	2" Diameter x 72" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	410.47	
		For Galvanized, Add	*168.65*	
		For Stainless Steel, Add	*1,180.52*	
		For >10 To 50, Deduct	*-3.66*	
		For >50 To 100, Deduct	*-15.75*	
		For >100, Deduct	*-31.50*	

03 15 19 00-0102 2-1/2" And 2-3/4" Diameter *(03 15 19 00-0036)*

03 15 19 00-0103	EA	2-1/2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	424.57	
		For Galvanized, Add	*199.37*	
		For Stainless Steel, Add	*1,395.59*	
		For >10 To 50, Deduct	*-1.29*	
		For >50 To 100, Deduct	*-12.55*	
		For >100, Deduct	*-25.10*	
03 15 19 00-0104	EA	2-1/2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	446.05	
		For Galvanized, Add	*208.39*	
		For Stainless Steel, Add	*1,458.73*	
		For >10 To 50, Deduct	*-1.46*	
		For >50 To 100, Deduct	*-13.35*	
		For >100, Deduct	*-26.69*	
03 15 19 00-0105	EA	2-1/2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	485.77	
		For Galvanized, Add	*226.00*	
		For Stainless Steel, Add	*1,581.97*	
		For >10 To 50, Deduct	*-1.69*	
		For >50 To 100, Deduct	*-14.68*	
		For >100, Deduct	*-29.36*	
03 15 19 00-0106	EA	2-1/2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	516.26	
		For Galvanized, Add	*238.17*	
		For Stainless Steel, Add	*1,667.19*	
		For >10 To 50, Deduct	*-2.00*	
		For >50 To 100, Deduct	*-15.90*	
		For >100, Deduct	*-31.80*	
03 15 19 00-0107	EA	2-1/2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	545.78	
		For Galvanized, Add	*250.94*	
		For Stainless Steel, Add	*1,756.55*	
		For >10 To 50, Deduct	*-2.20*	
		For >50 To 100, Deduct	*-16.94*	
		For >100, Deduct	*-33.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0108	EA	2-1/2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	579.25	
		For Galvanized, Add	*265.24*	
		For Stainless Steel, Add	*1,856.65*	
		For >10 To 50, Deduct	*-2.44*	
		For >50 To 100, Deduct	*-18.14*	
		For >100, Deduct	*-36.28*	
03 15 19 00-0109	EA	2-1/2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	622.48	
		For Galvanized, Add	*279.88*	
		For Stainless Steel, Add	*1,959.13*	
		For >10 To 50, Deduct	*-3.14*	
		For >50 To 100, Deduct	*-20.27*	
		For >100, Deduct	*-40.53*	
03 15 19 00-0110	EA	2-3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	478.84	
		For Galvanized, Add	*225.70*	
		For Stainless Steel, Add	*1,579.90*	
		For >10 To 50, Deduct	*-1.37*	
		For >50 To 100, Deduct	*-14.03*	
		For >100, Deduct	*-28.06*	
03 15 19 00-0111	EA	2-3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	514.22	
		For Galvanized, Add	*241.43*	
		For Stainless Steel, Add	*1,690.01*	
		For >10 To 50, Deduct	*-1.57*	
		For >50 To 100, Deduct	*-15.21*	
		For >100, Deduct	*-30.42*	
03 15 19 00-0112	EA	2-3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	551.20	
		For Galvanized, Add	*257.31*	
		For Stainless Steel, Add	*1,801.17*	
		For >10 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-16.52*	
		For >100, Deduct	*-33.05*	
03 15 19 00-0113	EA	2-3/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	587.13	
		For Galvanized, Add	*271.61*	
		For Stainless Steel, Add	*1,901.27*	
		For >10 To 50, Deduct	*-2.20*	
		For >50 To 100, Deduct	*-17.97*	
		For >100, Deduct	*-35.94*	
03 15 19 00-0114	EA	2-3/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	623.25	
		For Galvanized, Add	*287.24*	
		For Stainless Steel, Add	*2,010.65*	
		For >10 To 50, Deduct	*-2.44*	
		For >50 To 100, Deduct	*-19.24*	
		For >100, Deduct	*-38.48*	
03 15 19 00-0115	EA	2-3/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	673.72	
		For Galvanized, Add	*309.42*	
		For Stainless Steel, Add	*2,165.94*	
		For >10 To 50, Deduct	*-2.74*	
		For >50 To 100, Deduct	*-20.96*	
		For >100, Deduct	*-41.92*	
03 15 19 00-0116	EA	2-3/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	726.05	
		For Galvanized, Add	*326.44*	
		For Stainless Steel, Add	*2,285.05*	
		For >10 To 50, Deduct	*-3.66*	
		For >50 To 100, Deduct	*-23.64*	
		For >100, Deduct	*-47.28*	

03 20 Concrete Reinforcing *(03)*

Note: Includes cutting or torching to size, bending where necessary and tie wires.

03 21 Reinforcement Bars *(03 20)*

Note: Includes cutting, bending, tie wire, tying, bar chairs and all non-mechanical splicing. The weights of reinforcing steel shall be used as follows: #2 - 0.167 Lb./LF, #3 - 0.376 Ls./LF, #4 - 0.668 Lb./LF, #5 - 1.043 Lb./LF, #6 - 1.502 Lb./LF, #7 - 2.044 Lb./LF, #8 - 2.670 Lb./LF, #9 - 3.400 Lb./LF, #10 - 4.303 Lb./LF, #11 - 5.313 Lb./LF, #14 - 7.650 Lb./LF, #18 - 13.600 Lb./LF.

03 21 11 Plain Steel Reinforcement Bars *(03 21)*

03 21 11 00-0001 Beams And Girders, Steel Reinforcement Bar *(03 21 11)*

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0002	LF	#3, Grade 40, Beams And Girders, Steel Reinforcement Bar	0.81	
		For Up To 100, Add	*0.56*	
		For >100 To 200, Add	*0.30*	
		For >200 To 500, Add	*0.12*	
03 21 11 00-0003	LF	#4, Grade 40, Beams And Girders, Steel Reinforcement Bar	1.37	
		For Up To 100, Add	*0.96*	
		For >100 To 200, Add	*0.52*	
		For >200 To 500, Add	*0.21*	
03 21 11 00-0004	LF	#5, Grade 40, Beams And Girders, Steel Reinforcement Bar	2.06	
		For Up To 100, Add	*1.47*	
		For >100 To 200, Add	*0.78*	
		For >200 To 500, Add	*0.31*	
03 21 11 00-0005	LF	#6, Grade 40, Beams And Girders, Steel Reinforcement Bar	2.85	
		For Up To 100, Add	*2.06*	
		For >100 To 200, Add	*1.10*	
		For >200 To 500, Add	*0.44*	

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LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0006	LF	#3, Grade 50, Beams And Girders, Steel Reinforcement Bar	0.82	
		For Up To 100, Add	*0.57*	
		For >100 To 200, Add	*0.31*	
		For >200 To 500, Add	*0.12*	
03 21 11 00-0007	LF	#4, Grade 50, Beams And Girders, Steel Reinforcement Bar	1.40	
		For Up To 100, Add	*0.99*	
		For >100 To 200, Add	*0.53*	
		For >200 To 500, Add	*0.21*	
03 21 11 00-0008	LF	#5, Grade 50, Beams And Girders, Steel Reinforcement Bar	2.11	
		For Up To 100, Add	*1.52*	
		For >100 To 200, Add	*0.81*	
		For >200 To 500, Add	*0.32*	
03 21 11 00-0009	LF	#6, Grade 50, Beams And Girders, Steel Reinforcement Bar	2.93	
		For Up To 100, Add	*2.14*	
		For >100 To 200, Add	*1.14*	
		For >200 To 500, Add	*0.46*	
03 21 11 00-0010	LF	#3, Grade 60, Beams And Girders, Steel Reinforcement Bar	0.85	
		For Up To 100, Add	*0.60*	
		For >100 To 200, Add	*0.32*	
		For >200 To 500, Add	*0.13*	
03 21 11 00-0011	LF	#4, Grade 60, Beams And Girders, Steel Reinforcement Bar	1.45	
		For Up To 100, Add	*1.04*	
		For >100 To 200, Add	*0.56*	
		For >200 To 500, Add	*0.22*	
03 21 11 00-0012	LF	#5, Grade 60, Beams And Girders, Steel Reinforcement Bar	2.19	
		For Up To 100, Add	*1.60*	
		For >100 To 200, Add	*0.85*	
		For >200 To 500, Add	*0.34*	
03 21 11 00-0013	LF	#6, Grade 60, Beams And Girders, Steel Reinforcement Bar	3.04	
		For Up To 100, Add	*2.25*	
		For >100 To 200, Add	*1.19*	
		For >200 To 500, Add	*0.48*	
03 21 11 00-0014	LF	#7, Grade 60, Beams And Girders, Steel Reinforcement Bar	3.98	
		For Up To 100, Add	*2.34*	
		For >100 To 200, Add	*1.35*	
		For >200 To 400, Add	*0.63*	
03 21 11 00-0015	LF	#8, Grade 60, Beams And Girders, Steel Reinforcement Bar	4.98	
		For Up To 100, Add	*2.98*	
		For >100 To 200, Add	*1.71*	
		For >200 To 400, Add	*0.81*	
03 21 11 00-0016	LF	#9, Grade 60, Beams And Girders, Steel Reinforcement Bar	6.15	
		For Up To 100, Add	*3.72*	
		For >100 To 200, Add	*2.13*	
		For >200 To 400, Add	*1.01*	
03 21 11 00-0017	LF	#10, Grade 60, Beams And Girders, Steel Reinforcement Bar	7.55	
		For Up To 100, Add	*3.76*	
		For >100 To 200, Add	*2.01*	
		For >200 To 300, Add	*1.00*	
03 21 11 00-0018	LF	#11, Grade 60, Beams And Girders, Steel Reinforcement Bar	9.04	
		For Up To 100, Add	*4.55*	
		For >100 To 200, Add	*2.42*	
		For >200 To 300, Add	*1.21*	
03 21 11 00-0019	LF	#14, Grade 60, Beams And Girders, Steel Reinforcement Bar	12.59	
		For Up To 100, Add	*6.43*	
		For >100 To 200, Add	*3.40*	
		For >200 To 300, Add	*1.70*	
03 21 11 00-0020	LF	#18, Grade 60, Beams And Girders, Steel Reinforcement Bar	21.64	
		For Up To 100, Add	*11.20*	
		For >100 To 200, Add	*5.90*	
		For >200 To 300, Add	*2.95*	
03 21 11 00-0021	LF	#6, Grade 75, Beams And Girders, Steel Reinforcement Bar	3.16	
		For Up To 100, Add	*2.37*	
		For >100 To 200, Add	*1.25*	
		For >200 To 500, Add	*0.50*	
03 21 11 00-0022	LF	#7, Grade 75, Beams And Girders, Steel Reinforcement Bar	4.14	
		For Up To 100, Add	*2.46*	
		For >100 To 200, Add	*1.41*	
		For >200 To 400, Add	*0.67*	
03 21 11 00-0023	LF	#8, Grade 75, Beams And Girders, Steel Reinforcement Bar	5.19	
		For Up To 100, Add	*3.13*	
		For >100 To 200, Add	*1.79*	
		For >200 To 400, Add	*0.85*	
03 21 11 00-0024	LF	#9, Grade 75, Beams And Girders, Steel Reinforcement Bar	6.41	
		For Up To 100, Add	*3.92*	
		For >100 To 200, Add	*2.23*	
		For >200 To 400, Add	*1.06*	
03 21 11 00-0025	LF	#10, Grade 75, Beams And Girders, Steel Reinforcement Bar	7.88	
		For Up To 100, Add	*3.95*	
		For >100 To 200, Add	*2.11*	
		For >200 To 300, Add	*1.05*	
03 21 11 00-0026	LF	#11, Grade 75, Beams And Girders, Steel Reinforcement Bar	9.44	
		For Up To 100, Add	*4.79*	
		For >100 To 200, Add	*2.54*	
		For >200 To 300, Add	*1.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0027	LF	#14, Grade 75, Beams And Girders, Steel Reinforcement Bar	13.18	
		For Up To 100, Add	*6.78*	
		For >100 To 200, Add	*3.58*	
		For >200 To 300, Add	*1.79*	
03 21 11 00-0028	LF	#18, Grade 75, Beams And Girders, Steel Reinforcement Bar	22.69	
		For Up To 100, Add	*11.83*	
		For >100 To 200, Add	*6.21*	
		For >200 To 300, Add	*3.11*	
03 21 11 00-0029	LF	#3, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	0.88	
		For Up To 100, Add	*0.63*	
		For >100 To 200, Add	*0.34*	
		For >200 To 500, Add	*0.13*	
03 21 11 00-0030	LF	#4, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	1.49	
		For Up To 100, Add	*1.08*	
		For >100 To 200, Add	*0.58*	
		For >200 To 500, Add	*0.23*	
03 21 11 00-0031	LF	#5, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	2.25	
		For Up To 100, Add	*1.66*	
		For >100 To 200, Add	*0.88*	
		For >200 To 500, Add	*0.35*	
03 21 11 00-0032	LF	#6, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	3.13	
		For Up To 100, Add	*2.34*	
		For >100 To 200, Add	*1.24*	
		For >200 To 500, Add	*0.50*	
03 21 11 00-0033	LF	#7, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	4.10	
		For Up To 100, Add	*2.43*	
		For >100 To 200, Add	*1.40*	
		For >200 To 400, Add	*0.66*	
03 21 11 00-0034	LF	#8, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	5.14	
		For Up To 100, Add	*3.10*	
		For >100 To 200, Add	*1.77*	
		For >200 To 400, Add	*0.84*	
03 21 11 00-0035	LF	#9, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	6.34	
		For Up To 100, Add	*3.87*	
		For >100 To 200, Add	*2.20*	
		For >200 To 400, Add	*1.05*	
03 21 11 00-0036	LF	#10, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	7.80	
		For Up To 100, Add	*3.91*	
		For >100 To 200, Add	*2.08*	
		For >200 To 300, Add	*1.04*	
03 21 11 00-0037	LF	#11, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	9.34	
		For Up To 100, Add	*4.73*	
		For >100 To 200, Add	*2.51*	
		For >200 To 300, Add	*1.26*	
03 21 11 00-0038	LF	#14, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	13.03	
		For Up To 100, Add	*6.69*	
		For >100 To 200, Add	*3.53*	
		For >200 To 300, Add	*1.77*	
03 21 11 00-0039	LF	#18, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	22.43	
		For Up To 100, Add	*11.68*	
		For >100 To 200, Add	*6.14*	
		For >200 To 300, Add	*3.07*	

03 21 11 00-0040 Columns, Steel Reinforcement Bar *(03 21 11)*

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0041	LF	#3, Grade 40, Columns, Steel Reinforcement Bar	0.85	
		For Up To 100, Add	*0.57*	
		For >100 To 200, Add	*0.31*	
		For >200 To 500, Add	*0.12*	
03 21 11 00-0042	LF	#4, Grade 40, Columns, Steel Reinforcement Bar	1.45	
		For Up To 100, Add	*0.99*	
		For >100 To 200, Add	*0.54*	
		For >200 To 500, Add	*0.21*	
03 21 11 00-0043	LF	#5, Grade 40, Columns, Steel Reinforcement Bar	2.16	
		For Up To 100, Add	*1.51*	
		For >100 To 200, Add	*0.81*	
		For >200 To 500, Add	*0.32*	
03 21 11 00-0044	LF	#6, Grade 40, Columns, Steel Reinforcement Bar	2.98	
		For Up To 100, Add	*2.12*	
		For >100 To 200, Add	*1.13*	
		For >200 To 500, Add	*0.45*	
03 21 11 00-0045	LF	#3, Grade 50, Columns, Steel Reinforcement Bar	0.87	
		For Up To 100, Add	*0.59*	
		For >100 To 200, Add	*0.32*	
		For >200 To 500, Add	*0.13*	
03 21 11 00-0046	LF	#4, Grade 50, Columns, Steel Reinforcement Bar	1.48	
		For Up To 100, Add	*1.02*	
		For >100 To 200, Add	*0.55*	
		For >200 To 500, Add	*0.22*	
03 21 11 00-0047	LF	#5, Grade 50, Columns, Steel Reinforcement Bar	2.21	
		For Up To 100, Add	*1.56*	
		For >100 To 200, Add	*0.83*	
		For >200 To 500, Add	*0.33*	

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LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0048	LF	#6, Grade 50, Columns, Steel Reinforcement Bar	3.06	
		For Up To 100, Add	*2.20*	
		For >100 To 200, Add	*1.17*	
		For >200 To 500, Add	*0.47*	
03 21 11 00-0049	LF	#3, Grade 60, Columns, Steel Reinforcement Bar	0.89	
		For Up To 100, Add	*0.61*	
		For >100 To 200, Add	*0.33*	
		For >200 To 500, Add	*0.13*	
03 21 11 00-0050	LF	#4, Grade 60, Columns, Steel Reinforcement Bar	1.53	
		For Up To 100, Add	*1.07*	
		For >100 To 200, Add	*0.58*	
		For >200 To 500, Add	*0.23*	
03 21 11 00-0051	LF	#5, Grade 60, Columns, Steel Reinforcement Bar	2.29	
		For Up To 100, Add	*1.64*	
		For >100 To 200, Add	*0.87*	
		For >200 To 500, Add	*0.35*	
03 21 11 00-0052	LF	#6, Grade 60, Columns, Steel Reinforcement Bar	3.17	
		For Up To 100, Add	*2.31*	
		For >100 To 200, Add	*1.23*	
		For >200 To 500, Add	*0.49*	
03 21 11 00-0053	LF	#7, Grade 60, Columns, Steel Reinforcement Bar	4.14	
		For Up To 100, Add	*2.39*	
		For >100 To 200, Add	*1.39*	
		For >200 To 400, Add	*0.65*	
03 21 11 00-0054	LF	#8, Grade 60, Columns, Steel Reinforcement Bar	5.16	
		For Up To 100, Add	*3.04*	
		For >100 To 200, Add	*1.75*	
		For >200 To 400, Add	*0.82*	
03 21 11 00-0055	LF	#9, Grade 60, Columns, Steel Reinforcement Bar	6.37	
		For Up To 100, Add	*3.80*	
		For >100 To 200, Add	*2.18*	
		For >200 To 400, Add	*1.03*	
03 21 11 00-0056	LF	#10, Grade 60, Columns, Steel Reinforcement Bar	7.80	
		For Up To 100, Add	*3.83*	
		For >100 To 200, Add	*2.06*	
		For >200 To 300, Add	*1.03*	
03 21 11 00-0057	LF	#11, Grade 60, Columns, Steel Reinforcement Bar	9.32	
		For Up To 100, Add	*4.64*	
		For >100 To 200, Add	*2.48*	
		For >200 To 300, Add	*1.24*	
03 21 11 00-0058	LF	#14, Grade 60, Columns, Steel Reinforcement Bar	12.97	
		For Up To 100, Add	*6.54*	
		For >100 To 200, Add	*3.48*	
		For >200 To 300, Add	*1.74*	
03 21 11 00-0059	LF	#18, Grade 60, Columns, Steel Reinforcement Bar	22.22	
		For Up To 100, Add	*11.38*	
		For >100 To 200, Add	*6.01*	
		For >200 To 300, Add	*3.01*	
03 21 11 00-0060	LF	#6, Grade 75, Columns, Steel Reinforcement Bar	3.29	
		For Up To 100, Add	*2.43*	
		For >100 To 200, Add	*1.29*	
		For >200 To 500, Add	*0.51*	
03 21 11 00-0061	LF	#7, Grade 75, Columns, Steel Reinforcement Bar	4.30	
		For Up To 100, Add	*2.51*	
		For >100 To 200, Add	*1.45*	
		For >200 To 400, Add	*0.68*	
03 21 11 00-0062	LF	#8, Grade 75, Columns, Steel Reinforcement Bar	5.37	
		For Up To 100, Add	*3.20*	
		For >100 To 200, Add	*1.84*	
		For >200 To 400, Add	*0.87*	
03 21 11 00-0063	LF	#9, Grade 75, Columns, Steel Reinforcement Bar	6.63	
		For Up To 100, Add	*4.00*	
		For >100 To 200, Add	*2.29*	
		For >200 To 400, Add	*1.08*	
03 21 11 00-0064	LF	#10, Grade 75, Columns, Steel Reinforcement Bar	8.13	
		For Up To 100, Add	*4.03*	
		For >100 To 200, Add	*2.16*	
		For >200 To 300, Add	*1.08*	
03 21 11 00-0065	LF	#11, Grade 75, Columns, Steel Reinforcement Bar	9.72	
		For Up To 100, Add	*4.88*	
		For >100 To 200, Add	*2.60*	
		For >200 To 300, Add	*1.30*	
03 21 11 00-0066	LF	#14, Grade 75, Columns, Steel Reinforcement Bar	13.56	
		For Up To 100, Add	*6.89*	
		For >100 To 200, Add	*3.65*	
		For >200 To 300, Add	*1.83*	
03 21 11 00-0067	LF	#18, Grade 75, Columns, Steel Reinforcement Bar	23.27	
		For Up To 100, Add	*12.01*	
		For >100 To 200, Add	*6.33*	
		For >200 To 300, Add	*3.16*	
03 21 11 00-0068	LF	#3, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	0.92	
		For Up To 100, Add	*0.64*	
		For >100 To 200, Add	*0.35*	
		For >200 To 500, Add	*0.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0069	LF	#4, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	1.57	
		For Up To 100, Add	*1.11*	
		For >100 To 200, Add	*0.60*	
		For >200 To 500, Add	*0.24*	
03 21 11 00-0070	LF	#5, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	2.35	
		For Up To 100, Add	*1.70*	
		For >100 To 200, Add	*0.90*	
		For >200 To 500, Add	*0.36*	
03 21 11 00-0071	LF	#6, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	3.26	
		For Up To 100, Add	*2.40*	
		For >100 To 200, Add	*1.27*	
		For >200 To 500, Add	*0.51*	
03 21 11 00-0072	LF	#7, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	4.26	
		For Up To 100, Add	*2.48*	
		For >100 To 200, Add	*1.44*	
		For >200 To 400, Add	*0.67*	
03 21 11 00-0073	LF	#8, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	5.32	
		For Up To 100, Add	*3.16*	
		For >100 To 200, Add	*1.82*	
		For >200 To 400, Add	*0.86*	
03 21 11 00-0074	LF	#9, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	6.56	
		For Up To 100, Add	*3.94*	
		For >100 To 200, Add	*2.26*	
		For >200 To 400, Add	*1.07*	
03 21 11 00-0075	LF	#10, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	8.05	
		For Up To 100, Add	*3.98*	
		For >100 To 200, Add	*2.13*	
		For >200 To 300, Add	*1.07*	
03 21 11 00-0076	LF	#11, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	9.62	
		For Up To 100, Add	*4.82*	
		For >100 To 200, Add	*2.57*	
		For >200 To 300, Add	*1.28*	
03 21 11 00-0077	LF	#14, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	13.41	
		For Up To 100, Add	*6.80*	
		For >100 To 200, Add	*3.61*	
		For >200 To 300, Add	*1.80*	
03 21 11 00-0078	LF	#18, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	23.01	
		For Up To 100, Add	*11.85*	
		For >100 To 200, Add	*6.25*	
		For >200 To 300, Add	*3.13*	

03 21 11 00-0079 Footings, Steel Reinforcement Bar *(03 21 11)*

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0080	LF	#3, Grade 40, Footings, Steel Reinforcement Bar	0.75	
		For Up To 100, Add	*0.53*	
		For >100 To 200, Add	*0.29*	
		For >200 To 500, Add	*0.11*	
03 21 11 00-0081	LF	#4, Grade 40, Footings, Steel Reinforcement Bar	1.28	
		For Up To 100, Add	*0.93*	
		For >100 To 200, Add	*0.49*	
		For >200 To 500, Add	*0.20*	
03 21 11 00-0082	LF	#5, Grade 40, Footings, Steel Reinforcement Bar	1.92	
		For Up To 100, Add	*1.41*	
		For >100 To 200, Add	*0.75*	
		For >200 To 500, Add	*0.30*	
03 21 11 00-0083	LF	#6, Grade 40, Footings, Steel Reinforcement Bar	2.66	
		For Up To 100, Add	*1.99*	
		For >100 To 200, Add	*1.05*	
		For >200 To 500, Add	*0.42*	
03 21 11 00-0084	LF	#3, Grade 50, Footings, Steel Reinforcement Bar	0.77	
		For Up To 100, Add	*0.55*	
		For >100 To 200, Add	*0.30*	
		For >200 To 500, Add	*0.12*	
03 21 11 00-0085	LF	#4, Grade 50, Footings, Steel Reinforcement Bar	1.31	
		For Up To 100, Add	*0.96*	
		For >100 To 200, Add	*0.51*	
		For >200 To 500, Add	*0.20*	
03 21 11 00-0086	LF	#5, Grade 50, Footings, Steel Reinforcement Bar	1.97	
		For Up To 100, Add	*1.46*	
		For >100 To 200, Add	*0.77*	
		For >200 To 500, Add	*0.31*	
03 21 11 00-0087	LF	#6, Grade 50, Footings, Steel Reinforcement Bar	2.74	
		For Up To 100, Add	*2.07*	
		For >100 To 200, Add	*1.09*	
		For >200 To 500, Add	*0.44*	
03 21 11 00-0088	LF	#3, Grade 60, Footings, Steel Reinforcement Bar	0.79	
		For Up To 100, Add	*0.57*	
		For >100 To 200, Add	*0.31*	
		For >200 To 500, Add	*0.12*	
03 21 11 00-0089	LF	#4, Grade 60, Footings, Steel Reinforcement Bar	1.36	
		For Up To 100, Add	*1.01*	
		For >100 To 200, Add	*0.53*	
		For >200 To 500, Add	*0.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0090	LF	#5, Grade 60, Footings, Steel Reinforcement Bar	2.05	
		For Up To 100, Add	*1.54*	
		For >100 To 200, Add	*0.81*	
		For >200 To 500, Add	*0.33*	
03 21 11 00-0091	LF	#6, Grade 60, Footings, Steel Reinforcement Bar	2.85	
		For Up To 100, Add	*2.18*	
		For >100 To 200, Add	*1.15*	
		For >200 To 500, Add	*0.46*	
03 21 11 00-0092	LF	#7, Grade 60, Footings, Steel Reinforcement Bar	3.74	
		For Up To 100, Add	*2.25*	
		For >100 To 200, Add	*1.29*	
		For >200 To 400, Add	*0.61*	
03 21 11 00-0093	LF	#8, Grade 60, Footings, Steel Reinforcement Bar	4.70	
		For Up To 100, Add	*2.88*	
		For >100 To 200, Add	*1.64*	
		For >200 To 400, Add	*0.78*	
03 21 11 00-0094	LF	#9, Grade 60, Footings, Steel Reinforcement Bar	5.82	
		For Up To 100, Add	*3.61*	
		For >100 To 200, Add	*2.04*	
		For >200 To 400, Add	*0.98*	
03 21 11 00-0095	LF	#10, Grade 60, Footings, Steel Reinforcement Bar	7.16	
		For Up To 100, Add	*4.49*	
		For >100 To 200, Add	*2.54*	
		For >200 To 400, Add	*1.21*	
		For Up To 100, Add	*3.64*	
		For >100 To 200, Add	*1.93*	
		For >200 To 300, Add	*0.96*	
03 21 11 00-0096	LF	#11, Grade 60, Footings, Steel Reinforcement Bar	8.60	
		For Up To 100, Add	*5.47*	
		For >100 To 200, Add	*3.07*	
		For >200 To 400, Add	*1.47*	
		For Up To 100, Add	*4.42*	
		For >100 To 200, Add	*2.33*	
		For >200 To 300, Add	*1.17*	
03 21 11 00-0097	LF	#14, Grade 60, Footings, Steel Reinforcement Bar	12.02	
		For Up To 100, Add	*7.74*	
		For >100 To 200, Add	*4.33*	
		For >200 To 400, Add	*2.09*	
		For Up To 100, Add	*6.26*	
		For >100 To 200, Add	*3.29*	
		For >200 To 300, Add	*1.64*	
03 21 11 00-0098	LF	#18, Grade 60, Footings, Steel Reinforcement Bar	20.74	
		For Up To 100, Add	*13.54*	
		For >100 To 200, Add	*7.54*	
		For >200 To 400, Add	*3.64*	
		For Up To 100, Add	*10.93*	
		For >100 To 200, Add	*5.72*	
		For >200 To 300, Add	*2.86*	
03 21 11 00-0099	LF	#6, Grade 75, Footings, Steel Reinforcement Bar	2.97	
		For Up To 100, Add	*2.30*	
		For >100 To 200, Add	*1.21*	
		For >200 To 500, Add	*0.48*	
		For Up To 100, Add	*1.78*	
		For >100 To 200, Add	*1.02*	
		For >200 To 400, Add	*0.48*	
03 21 11 00-0100	LF	#7, Grade 75, Footings, Steel Reinforcement Bar	3.90	
		For Up To 100, Add	*2.37*	
		For >100 To 200, Add	*1.35*	
		For >200 To 400, Add	*0.64*	
03 21 11 00-0101	LF	#8, Grade 75, Footings, Steel Reinforcement Bar	4.91	
		For Up To 100, Add	*3.03*	
		For >100 To 200, Add	*1.72*	
		For >200 To 400, Add	*0.82*	
03 21 11 00-0102	LF	#9, Grade 75, Footings, Steel Reinforcement Bar	6.08	
		For Up To 100, Add	*3.80*	
		For >100 To 200, Add	*2.15*	
		For >200 To 400, Add	*1.03*	
03 21 11 00-0103	LF	#10, Grade 75, Footings, Steel Reinforcement Bar	7.49	
		For Up To 100, Add	*3.84*	
		For >100 To 200, Add	*2.03*	
		For >200 To 300, Add	*1.01*	
03 21 11 00-0104	LF	#11, Grade 75, Footings, Steel Reinforcement Bar	9.00	
		For Up To 100, Add	*4.66*	
		For >100 To 200, Add	*2.45*	
		For >200 To 300, Add	*1.23*	
03 21 11 00-0105	LF	#14, Grade 75, Footings, Steel Reinforcement Bar	12.61	
		For Up To 100, Add	*6.61*	
		For >100 To 200, Add	*3.46*	
		For >200 To 300, Add	*1.73*	
03 21 11 00-0106	LF	#18, Grade 75, Footings, Steel Reinforcement Bar	21.79	
		For Up To 100, Add	*11.56*	
		For >100 To 200, Add	*6.03*	
		For >200 To 300, Add	*3.02*	
03 21 11 00-0107	LF	#3, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	0.82	
		For Up To 100, Add	*0.60*	
		For >100 To 200, Add	*0.32*	
		For >200 To 500, Add	*0.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0108	LF	#4, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	1.40	
		For Up To 100, Add	*1.05*	
		For >100 To 200, Add	*0.55*	
		For >200 To 500, Add	*0.22*	
03 21 11 00-0109	LF	#5, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	2.11	
		For Up To 100, Add	*1.60*	
		For >100 To 200, Add	*0.84*	
		For >200 To 500, Add	*0.34*	
03 21 11 00-0110	LF	#6, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	2.94	
		For Up To 100, Add	*2.27*	
		For >100 To 200, Add	*1.19*	
		For >200 To 500, Add	*0.48*	
03 21 11 00-0111	LF	#7, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	3.86	
		For Up To 100, Add	*2.34*	
		For >100 To 200, Add	*1.34*	
		For >200 To 400, Add	*0.63*	
03 21 11 00-0112	LF	#8, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	4.86	
		For Up To 100, Add	*3.00*	
		For >100 To 200, Add	*1.70*	
		For >200 To 400, Add	*0.81*	
03 21 11 00-0113	LF	#9, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	6.01	
		For Up To 100, Add	*3.75*	
		For >100 To 200, Add	*2.12*	
		For >200 To 400, Add	*1.01*	
03 21 11 00-0114	LF	#10, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	7.41	
		For Up To 100, Add	*3.79*	
		For >100 To 200, Add	*2.00*	
		For >200 To 300, Add	*1.00*	
03 21 11 00-0115	LF	#11, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	8.90	
		For Up To 100, Add	*4.60*	
		For >100 To 200, Add	*2.42*	
		For >200 To 300, Add	*1.21*	
03 21 11 00-0116	LF	#14, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	12.46	
		For Up To 100, Add	*6.52*	
		For >100 To 200, Add	*3.42*	
		For >200 To 300, Add	*1.71*	
03 21 11 00-0117	LF	#18, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	21.53	
		For Up To 100, Add	*11.41*	
		For >100 To 200, Add	*5.96*	
		For >200 To 300, Add	*2.98*	

03 21 11 00-0118 Slab On Grade, Steel Reinforcement Bar *(03 21 11)*

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0119	LF	#3, Grade 40, Slab On Grade, Steel Reinforcement Bar	0.73	
		For Up To 100, Add	*0.53*	
		For >100 To 200, Add	*0.28*	
		For >200 To 500, Add	*0.11*	
03 21 11 00-0120	LF	#4, Grade 40, Slab On Grade, Steel Reinforcement Bar	1.24	
		For Up To 100, Add	*0.91*	
		For >100 To 200, Add	*0.48*	
		For >200 To 500, Add	*0.19*	
03 21 11 00-0121	LF	#5, Grade 40, Slab On Grade, Steel Reinforcement Bar	1.86	
		For Up To 100, Add	*1.39*	
		For >100 To 200, Add	*0.73*	
		For >200 To 500, Add	*0.29*	
03 21 11 00-0122	LF	#6, Grade 40, Slab On Grade, Steel Reinforcement Bar	2.58	
		For Up To 100, Add	*1.96*	
		For >100 To 200, Add	*1.03*	
		For >200 To 500, Add	*0.41*	
03 21 11 00-0123	LF	#3, Grade 50, Slab On Grade, Steel Reinforcement Bar	0.75	
		For Up To 100, Add	*0.55*	
		For >100 To 200, Add	*0.29*	
		For >200 To 500, Add	*0.12*	
03 21 11 00-0124	LF	#4, Grade 50, Slab On Grade, Steel Reinforcement Bar	1.27	
		For Up To 100, Add	*0.94*	
		For >100 To 200, Add	*0.50*	
		For >200 To 500, Add	*0.20*	
03 21 11 00-0125	LF	#5, Grade 50, Slab On Grade, Steel Reinforcement Bar	1.91	
		For Up To 100, Add	*1.44*	
		For >100 To 200, Add	*0.76*	
		For >200 To 500, Add	*0.30*	
03 21 11 00-0126	LF	#6, Grade 50, Slab On Grade, Steel Reinforcement Bar	2.66	
		For Up To 100, Add	*2.04*	
		For >100 To 200, Add	*1.07*	
		For >200 To 500, Add	*0.43*	
03 21 11 00-0127	LF	#3, Grade 60, Slab On Grade, Steel Reinforcement Bar	0.77	
		For Up To 100, Add	*0.57*	
		For >100 To 200, Add	*0.30*	
		For >200 To 500, Add	*0.12*	
03 21 11 00-0128	LF	#4, Grade 60, Slab On Grade, Steel Reinforcement Bar	1.32	
		For Up To 100, Add	*0.99*	
		For >100 To 200, Add	*0.52*	
		For >200 To 500, Add	*0.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0129	LF	#5, Grade 60, Slab On Grade, Steel Reinforcement Bar	1.99	
		For Up To 100, Add	*1.52*	
		For >100 To 200, Add	*0.80*	
		For >200 To 500, Add	*0.32*	
03 21 11 00-0130	LF	#6, Grade 60, Slab On Grade, Steel Reinforcement Bar	2.77	
		For Up To 100, Add	*2.15*	
		For >100 To 200, Add	*1.13*	
		For >200 To 500, Add	*0.45*	
03 21 11 00-0131	LF	#7, Grade 60, Slab On Grade, Steel Reinforcement Bar	3.66	
		For Up To 100, Add	*2.23*	
		For >100 To 200, Add	*1.27*	
		For >200 To 400, Add	*0.60*	
03 21 11 00-0132	LF	#8, Grade 60, Slab On Grade, Steel Reinforcement Bar	4.60	
		For Up To 100, Add	*2.84*	
		For >100 To 200, Add	*1.61*	
		For >200 To 400, Add	*0.77*	
03 21 11 00-0133	LF	#9, Grade 60, Slab On Grade, Steel Reinforcement Bar	5.71	
		For Up To 100, Add	*3.57*	
		For >100 To 200, Add	*2.02*	
		For >200 To 400, Add	*0.96*	
03 21 11 00-0134	LF	#10, Grade 60, Slab On Grade, Steel Reinforcement Bar	7.03	
		For Up To 100, Add	*3.60*	
		For >100 To 200, Add	*1.90*	
		For >200 To 300, Add	*0.95*	
03 21 11 00-0135	LF	#11, Grade 60, Slab On Grade, Steel Reinforcement Bar	8.46	
		For Up To 100, Add	*4.38*	
		For >100 To 200, Add	*2.31*	
		For >200 To 300, Add	*1.15*	
03 21 11 00-0136	LF	#14, Grade 60, Slab On Grade, Steel Reinforcement Bar	11.83	
		For Up To 100, Add	*6.20*	
		For >100 To 200, Add	*3.25*	
		For >200 To 300, Add	*1.62*	
03 21 11 00-0137	LF	#18, Grade 60, Slab On Grade, Steel Reinforcement Bar	20.44	
		For Up To 100, Add	*10.84*	
		For >100 To 200, Add	*5.66*	
		For >200 To 300, Add	*2.83*	
03 21 11 00-0138	LF	#6, Grade 75, Slab On Grade, Steel Reinforcement Bar	2.89	
		For Up To 100, Add	*2.27*	
		For >100 To 200, Add	*1.19*	
		For >200 To 500, Add	*0.47*	
03 21 11 00-0139	LF	#7, Grade 75, Slab On Grade, Steel Reinforcement Bar	3.82	
		For Up To 100, Add	*2.35*	
		For >100 To 200, Add	*1.33*	
		For >200 To 400, Add	*0.63*	
03 21 11 00-0140	LF	#8, Grade 75, Slab On Grade, Steel Reinforcement Bar	4.81	
		For Up To 100, Add	*3.00*	
		For >100 To 200, Add	*1.70*	
		For >200 To 400, Add	*0.81*	
03 21 11 00-0141	LF	#9, Grade 75, Slab On Grade, Steel Reinforcement Bar	5.97	
		For Up To 100, Add	*3.77*	
		For >100 To 200, Add	*2.12*	
		For >200 To 400, Add	*1.02*	
03 21 11 00-0142	LF	#10, Grade 75, Slab On Grade, Steel Reinforcement Bar	7.36	
		For Up To 100, Add	*3.80*	
		For >100 To 200, Add	*2.00*	
		For >200 To 300, Add	*1.00*	
03 21 11 00-0143	LF	#11, Grade 75, Slab On Grade, Steel Reinforcement Bar	8.86	
		For Up To 100, Add	*4.62*	
		For >100 To 200, Add	*2.43*	
		For >200 To 300, Add	*1.21*	
03 21 11 00-0144	LF	#14, Grade 75, Slab On Grade, Steel Reinforcement Bar	12.42	
		For Up To 100, Add	*6.55*	
		For >100 To 200, Add	*3.43*	
		For >200 To 300, Add	*1.71*	
03 21 11 00-0145	LF	#18, Grade 75, Slab On Grade, Steel Reinforcement Bar	21.49	
		For Up To 100, Add	*11.47*	
		For >100 To 200, Add	*5.97*	
		For >200 To 300, Add	*2.99*	
03 21 11 00-0146	LF	#3, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	0.80	
		For Up To 100, Add	*0.60*	
		For >100 To 200, Add	*0.32*	
		For >200 To 500, Add	*0.13*	
03 21 11 00-0147	LF	#4, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	1.36	
		For Up To 100, Add	*1.03*	
		For >100 To 200, Add	*0.54*	
		For >200 To 500, Add	*0.22*	
03 21 11 00-0148	LF	#5, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	2.05	
		For Up To 100, Add	*1.58*	
		For >100 To 200, Add	*0.83*	
		For >200 To 500, Add	*0.33*	
03 21 11 00-0149	LF	#6, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	2.86	
		For Up To 100, Add	*2.24*	
		For >100 To 200, Add	*1.17*	
		For >200 To 500, Add	*0.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0150	LF	#7, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	3.78	
		For Up To 100, Add	*2.32*	
		For >100 To 200, Add	*1.32*	
		For >200 To 400, Add	*0.63*	
03 21 11 00-0151	LF	#8, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	4.76	
		For Up To 100, Add	*2.96*	
		For >100 To 200, Add	*1.68*	
		For >200 To 400, Add	*0.80*	
03 21 11 00-0152	LF	#9, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	5.90	
		For Up To 100, Add	*3.71*	
		For >100 To 200, Add	*2.09*	
		For >200 To 400, Add	*1.00*	
03 21 11 00-0153	LF	#10, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	7.28	
		For Up To 100, Add	*3.75*	
		For >100 To 200, Add	*1.98*	
		For >200 To 300, Add	*0.99*	
03 21 11 00-0154	LF	#11, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	8.76	
		For Up To 100, Add	*4.56*	
		For >100 To 200, Add	*2.40*	
		For >200 To 300, Add	*1.20*	
03 21 11 00-0155	LF	#14, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	12.27	
		For Up To 100, Add	*6.46*	
		For >100 To 200, Add	*3.38*	
		For >200 To 300, Add	*1.69*	
03 21 11 00-0156	LF	#18, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	21.23	
		For Up To 100, Add	*11.32*	
		For >100 To 200, Add	*5.90*	
		For >200 To 300, Add	*2.95*	

03 21 11 00-0157 Elevated Slabs, Steel Reinforcement Bar *(03 21 11)*

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0158	LF	#3, Grade 40, Elevated Slabs, Steel Reinforcement Bar	0.68	
		For Up To 100, Add	*0.51*	
		For >100 To 200, Add	*0.27*	
		For >200 To 500, Add	*0.11*	
03 21 11 00-0159	LF	#4, Grade 40, Elevated Slabs, Steel Reinforcement Bar	1.17	
		For Up To 100, Add	*0.88*	
		For >100 To 200, Add	*0.47*	
		For >200 To 500, Add	*0.19*	
03 21 11 00-0160	LF	#5, Grade 40, Elevated Slabs, Steel Reinforcement Bar	1.76	
		For Up To 100, Add	*1.35*	
		For >100 To 200, Add	*0.71*	
		For >200 To 500, Add	*0.28*	
03 21 11 00-0161	LF	#6, Grade 40, Elevated Slabs, Steel Reinforcement Bar	2.45	
		For Up To 100, Add	*1.90*	
		For >100 To 200, Add	*1.00*	
		For >200 To 500, Add	*0.40*	
03 21 11 00-0162	LF	#3, Grade 50, Elevated Slabs, Steel Reinforcement Bar	0.70	
		For Up To 100, Add	*0.53*	
		For >100 To 200, Add	*0.28*	
		For >200 To 500, Add	*0.11*	
03 21 11 00-0163	LF	#4, Grade 50, Elevated Slabs, Steel Reinforcement Bar	1.20	
		For Up To 100, Add	*0.91*	
		For >100 To 200, Add	*0.48*	
		For >200 To 500, Add	*0.19*	
03 21 11 00-0164	LF	#5, Grade 50, Elevated Slabs, Steel Reinforcement Bar	1.81	
		For Up To 100, Add	*1.40*	
		For >100 To 200, Add	*0.73*	
		For >200 To 500, Add	*0.29*	
03 21 11 00-0165	LF	#6, Grade 50, Elevated Slabs, Steel Reinforcement Bar	2.53	
		For Up To 100, Add	*1.98*	
		For >100 To 200, Add	*1.04*	
		For >200 To 500, Add	*0.42*	
03 21 11 00-0166	LF	#3, Grade 60, Elevated Slabs, Steel Reinforcement Bar	0.72	
		For Up To 100, Add	*0.55*	
		For >100 To 200, Add	*0.29*	
		For >200 To 500, Add	*0.12*	
03 21 11 00-0167	LF	#4, Grade 60, Elevated Slabs, Steel Reinforcement Bar	1.25	
		For Up To 100, Add	*0.96*	
		For >100 To 200, Add	*0.51*	
		For >200 To 500, Add	*0.20*	
03 21 11 00-0168	LF	#5, Grade 60, Elevated Slabs, Steel Reinforcement Bar	1.89	
		For Up To 100, Add	*1.48*	
		For >100 To 200, Add	*0.77*	
		For >200 To 500, Add	*0.31*	
03 21 11 00-0169	LF	#6, Grade 60, Elevated Slabs, Steel Reinforcement Bar	2.64	
		For Up To 100, Add	*2.09*	
		For >100 To 200, Add	*1.09*	
		For >200 To 500, Add	*0.44*	
03 21 11 00-0170	LF	#7, Grade 60, Elevated Slabs, Steel Reinforcement Bar	3.50	
		For Up To 100, Add	*2.17*	
		For >100 To 200, Add	*1.23*	
		For >200 To 400, Add	*0.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0171	LF	#8, Grade 60, Elevated Slabs, Steel Reinforcement Bar	4.40	
		For Up To 100, Add	*2.77*	
		For >100 To 200, Add	*1.56*	
		For >200 To 400, Add	*0.75*	
03 21 11 00-0172	LF	#9, Grade 60, Elevated Slabs, Steel Reinforcement Bar	5.49	
		For Up To 100, Add	*3.49*	
		For >100 To 200, Add	*1.96*	
		For >200 To 400, Add	*0.94*	
03 21 11 00-0173	LF	#10, Grade 60, Elevated Slabs, Steel Reinforcement Bar	6.78	
		For Up To 100, Add	*3.53*	
		For >100 To 200, Add	*1.85*	
		For >200 To 300, Add	*0.93*	
03 21 11 00-0174	LF	#11, Grade 60, Elevated Slabs, Steel Reinforcement Bar	8.17	
		For Up To 100, Add	*4.29*	
		For >100 To 200, Add	*2.25*	
		For >200 To 300, Add	*1.12*	
03 21 11 00-0175	LF	#14, Grade 60, Elevated Slabs, Steel Reinforcement Bar	11.46	
		For Up To 100, Add	*6.09*	
		For >100 To 200, Add	*3.18*	
		For >200 To 300, Add	*1.59*	
03 21 11 00-0176	LF	#18, Grade 60, Elevated Slabs, Steel Reinforcement Bar	19.86	
		For Up To 100, Add	*10.67*	
		For >100 To 200, Add	*5.54*	
		For >200 To 300, Add	*2.77*	
03 21 11 00-0177	LF	#6, Grade 75, Elevated Slabs, Steel Reinforcement Bar	2.76	
		For Up To 100, Add	*2.21*	
		For >100 To 200, Add	*1.15*	
		For >200 To 500, Add	*0.46*	
03 21 11 00-0178	LF	#7, Grade 75, Elevated Slabs, Steel Reinforcement Bar	3.66	
		For Up To 100, Add	*2.29*	
		For >100 To 200, Add	*1.29*	
		For >200 To 400, Add	*0.62*	
03 21 11 00-0179	LF	#8, Grade 75, Elevated Slabs, Steel Reinforcement Bar	4.61	
		For Up To 100, Add	*2.93*	
		For >100 To 200, Add	*1.65*	
		For >200 To 400, Add	*0.79*	
03 21 11 00-0180	LF	#9, Grade 75, Elevated Slabs, Steel Reinforcement Bar	5.75	
		For Up To 100, Add	*3.69*	
		For >100 To 200, Add	*2.07*	
		For >200 To 400, Add	*0.99*	
03 21 11 00-0181	LF	#10, Grade 75, Elevated Slabs, Steel Reinforcement Bar	7.11	
		For Up To 100, Add	*3.72*	
		For >100 To 200, Add	*1.95*	
		For >200 To 300, Add	*0.98*	
03 21 11 00-0182	LF	#11, Grade 75, Elevated Slabs, Steel Reinforcement Bar	8.57	
		For Up To 100, Add	*4.53*	
		For >100 To 200, Add	*2.37*	
		For >200 To 300, Add	*1.18*	
03 21 11 00-0183	LF	#14, Grade 75, Elevated Slabs, Steel Reinforcement Bar	12.05	
		For Up To 100, Add	*6.44*	
		For >100 To 200, Add	*3.35*	
		For >200 To 300, Add	*1.68*	
03 21 11 00-0184	LF	#18, Grade 75, Elevated Slabs, Steel Reinforcement Bar	20.91	
		For Up To 100, Add	*11.30*	
		For >100 To 200, Add	*5.86*	
		For >200 To 300, Add	*2.93*	
03 21 11 00-0185	LF	#3, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	0.75	
		For Up To 100, Add	*0.58*	
		For >100 To 200, Add	*0.30*	
		For >200 To 500, Add	*0.12*	
03 21 11 00-0186	LF	#4, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	1.29	
		For Up To 100, Add	*1.00*	
		For >100 To 200, Add	*0.53*	
		For >200 To 500, Add	*0.21*	
03 21 11 00-0187	LF	#5, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	1.95	
		For Up To 100, Add	*1.54*	
		For >100 To 200, Add	*0.80*	
		For >200 To 500, Add	*0.32*	
03 21 11 00-0188	LF	#6, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	2.73	
		For Up To 100, Add	*2.18*	
		For >100 To 200, Add	*1.14*	
		For >200 To 500, Add	*0.46*	
03 21 11 00-0189	LF	#7, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	3.62	
		For Up To 100, Add	*2.26*	
		For >100 To 200, Add	*1.28*	
		For >200 To 400, Add	*0.61*	
03 21 11 00-0190	LF	#8, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	4.56	
		For Up To 100, Add	*2.89*	
		For >100 To 200, Add	*1.63*	
		For >200 To 400, Add	*0.78*	
03 21 11 00-0191	LF	#9, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	5.68	
		For Up To 100, Add	*3.64*	
		For >100 To 200, Add	*2.04*	
		For >200 To 400, Add	*0.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0192	LF	#10, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	7.03	
		For Up To 100, Add	*3.68*	
		For >100 To 200, Add	*1.93*	
		For >200 To 300, Add	*0.96*	
03 21 11 00-0193	LF	#11, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	8.47	
		For Up To 100, Add	*4.47*	
		For >100 To 200, Add	*2.34*	
		For >200 To 300, Add	*1.17*	
03 21 11 00-0194	LF	#14, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	11.90	
		For Up To 100, Add	*6.35*	
		For >100 To 200, Add	*3.31*	
		For >200 To 300, Add	*1.65*	
03 21 11 00-0195	LF	#18, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	20.65	
		For Up To 100, Add	*11.14*	
		For >100 To 200, Add	*5.78*	
		For >200 To 300, Add	*2.89*	

03 21 11 00-0196 Walls, Steel Reinforcement Bar *(03 21 11)*

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0197	LF	#3, Grade 40, Walls, Steel Reinforcement Bar	0.66	
		For Up To 100, Add	*0.50*	
		For >100 To 200, Add	*0.26*	
		For >200 To 500, Add	*0.11*	
03 21 11 00-0198	LF	#4, Grade 40, Walls, Steel Reinforcement Bar	1.14	
		For Up To 100, Add	*0.87*	
		For >100 To 200, Add	*0.46*	
		For >200 To 500, Add	*0.18*	
03 21 11 00-0199	LF	#5, Grade 40, Walls, Steel Reinforcement Bar	1.71	
		For Up To 100, Add	*1.33*	
		For >100 To 200, Add	*0.70*	
		For >200 To 500, Add	*0.28*	
03 21 11 00-0200	LF	#6, Grade 40, Walls, Steel Reinforcement Bar	2.39	
		For Up To 100, Add	*1.88*	
		For >100 To 200, Add	*0.98*	
		For >200 To 500, Add	*0.39*	
03 21 11 00-0201	LF	#3, Grade 50, Walls, Steel Reinforcement Bar	0.68	
		For Up To 100, Add	*0.52*	
		For >100 To 200, Add	*0.27*	
		For >200 To 500, Add	*0.11*	
03 21 11 00-0202	LF	#4, Grade 50, Walls, Steel Reinforcement Bar	1.17	
		For Up To 100, Add	*0.90*	
		For >100 To 200, Add	*0.47*	
		For >200 To 500, Add	*0.19*	
03 21 11 00-0203	LF	#5, Grade 50, Walls, Steel Reinforcement Bar	1.76	
		For Up To 100, Add	*1.38*	
		For >100 To 200, Add	*0.72*	
		For >200 To 500, Add	*0.29*	
03 21 11 00-0204	LF	#6, Grade 50, Walls, Steel Reinforcement Bar	2.47	
		For Up To 100, Add	*1.96*	
		For >100 To 200, Add	*1.02*	
		For >200 To 500, Add	*0.41*	
03 21 11 00-0205	LF	#3, Grade 60, Walls, Steel Reinforcement Bar	0.70	
		For Up To 100, Add	*0.54*	
		For >100 To 200, Add	*0.28*	
		For >200 To 500, Add	*0.11*	
03 21 11 00-0206	LF	#4, Grade 60, Walls, Steel Reinforcement Bar	1.22	
		For Up To 100, Add	*0.95*	
		For >100 To 200, Add	*0.50*	
		For >200 To 500, Add	*0.20*	
03 21 11 00-0207	LF	#5, Grade 60, Walls, Steel Reinforcement Bar	1.84	
		For Up To 100, Add	*1.46*	
		For >100 To 200, Add	*0.76*	
		For >200 To 500, Add	*0.30*	
03 21 11 00-0208	LF	#6, Grade 60, Walls, Steel Reinforcement Bar	2.58	
		For Up To 100, Add	*2.07*	
		For >100 To 200, Add	*1.08*	
		For >200 To 500, Add	*0.43*	
03 21 11 00-0209	LF	#7, Grade 60, Walls, Steel Reinforcement Bar	3.40	
		For Up To 100, Add	*2.13*	
		For >100 To 200, Add	*1.20*	
		For >200 To 400, Add	*0.58*	
03 21 11 00-0210	LF	#8, Grade 60, Walls, Steel Reinforcement Bar	4.32	
		For Up To 100, Add	*2.74*	
		For >100 To 200, Add	*1.54*	
		For >200 To 400, Add	*0.74*	
03 21 11 00-0211	LF	#9, Grade 60, Walls, Steel Reinforcement Bar	5.38	
		For Up To 100, Add	*3.46*	
		For >100 To 200, Add	*1.93*	
		For >200 To 400, Add	*0.93*	
03 21 11 00-0212	LF	#10, Grade 60, Walls, Steel Reinforcement Bar	6.65	
		For Up To 100, Add	*3.49*	
		For >100 To 200, Add	*1.83*	
		For >200 To 300, Add	*0.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0213	LF	#11, Grade 60, Walls, Steel Reinforcement Bar	8.03	
		For Up To 100, Add	*4.25*	
		For >100 To 200, Add	*2.22*	
		For >200 To 300, Add	*1.11*	
03 21 11 00-0214	LF	#14, Grade 60, Walls, Steel Reinforcement Bar	11.27	
		For Up To 100, Add	*6.03*	
		For >100 To 200, Add	*3.14*	
		For >200 To 300, Add	*1.57*	
03 21 11 00-0215	LF	#18, Grade 60, Walls, Steel Reinforcement Bar	19.56	
		For Up To 100, Add	*10.58*	
		For >100 To 200, Add	*5.48*	
		For >200 To 300, Add	*2.74*	
03 21 11 00-0216	LF	#6, Grade 75, Walls, Steel Reinforcement Bar	2.70	
		For Up To 100, Add	*2.19*	
		For >100 To 200, Add	*1.14*	
		For >200 To 500, Add	*0.46*	
03 21 11 00-0217	LF	#7, Grade 75, Walls, Steel Reinforcement Bar	3.56	
		For Up To 100, Add	*2.25*	
		For >100 To 200, Add	*1.27*	
		For >200 To 400, Add	*0.61*	
03 21 11 00-0218	LF	#8, Grade 75, Walls, Steel Reinforcement Bar	4.53	
		For Up To 100, Add	*2.90*	
		For >100 To 200, Add	*1.63*	
		For >200 To 400, Add	*0.78*	
03 21 11 00-0219	LF	#9, Grade 75, Walls, Steel Reinforcement Bar	5.64	
		For Up To 100, Add	*3.65*	
		For >100 To 200, Add	*2.04*	
		For >200 To 400, Add	*0.98*	
03 21 11 00-0220	LF	#10, Grade 75, Walls, Steel Reinforcement Bar	6.98	
		For Up To 100, Add	*3.68*	
		For >100 To 200, Add	*1.93*	
		For >200 To 300, Add	*0.96*	
03 21 11 00-0221	LF	#11, Grade 75, Walls, Steel Reinforcement Bar	8.43	
		For Up To 100, Add	*4.49*	
		For >100 To 200, Add	*2.34*	
		For >200 To 300, Add	*1.17*	
03 21 11 00-0222	LF	#14, Grade 75, Walls, Steel Reinforcement Bar	11.86	
		For Up To 100, Add	*6.38*	
		For >100 To 200, Add	*3.31*	
		For >200 To 300, Add	*1.66*	
03 21 11 00-0223	LF	#18, Grade 75, Walls, Steel Reinforcement Bar	20.61	
		For Up To 100, Add	*11.21*	
		For >100 To 200, Add	*5.80*	
		For >200 To 300, Add	*2.90*	
03 21 11 00-0224	LF	#3, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	0.73	
		For Up To 100, Add	*0.57*	
		For >100 To 200, Add	*0.30*	
		For >200 To 500, Add	*0.12*	
03 21 11 00-0225	LF	#4, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	1.26	
		For Up To 100, Add	*0.99*	
		For >100 To 200, Add	*0.52*	
		For >200 To 500, Add	*0.21*	
03 21 11 00-0226	LF	#5, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	1.90	
		For Up To 100, Add	*1.52*	
		For >100 To 200, Add	*0.79*	
		For >200 To 500, Add	*0.32*	
03 21 11 00-0227	LF	#6, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	2.67	
		For Up To 100, Add	*2.16*	
		For >100 To 200, Add	*1.12*	
		For >200 To 500, Add	*0.45*	
03 21 11 00-0228	LF	#7, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	3.52	
		For Up To 100, Add	*2.22*	
		For >100 To 200, Add	*1.25*	
		For >200 To 400, Add	*0.60*	
03 21 11 00-0229	LF	#8, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	4.48	
		For Up To 100, Add	*2.86*	
		For >100 To 200, Add	*1.61*	
		For >200 To 400, Add	*0.77*	
03 21 11 00-0230	LF	#9, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	5.57	
		For Up To 100, Add	*3.60*	
		For >100 To 200, Add	*2.01*	
		For >200 To 400, Add	*0.97*	
03 21 11 00-0231	LF	#10, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	6.90	
		For Up To 100, Add	*3.64*	
		For >100 To 200, Add	*1.90*	
		For >200 To 300, Add	*0.95*	
03 21 11 00-0232	LF	#11, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	8.33	
		For Up To 100, Add	*4.43*	
		For >100 To 200, Add	*2.31*	
		For >200 To 300, Add	*1.16*	
03 21 11 00-0233	LF	#14, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	11.71	
		For Up To 100, Add	*6.29*	
		For >100 To 200, Add	*3.27*	
		For >200 To 300, Add	*1.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0234	LF	#18, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	20.35	
		For Up To 100, Add	*11.05*	
		For >100 To 200, Add	*5.72*	
		For >200 To 300, Add	*2.86*	

03 21 11 00-0235 Mechanical Joint Connection *(03 21 11)*

03 21 11 00-0236 Thermal Type Mechanical Joint Connection *(03 21 11 00-0235)*

03 21 11 00-0237	EA	Thermal Type Mechanical Joint Connection, Add Per Splice	285.29	

03 21 11 00-0238 Screwed Type Mechanical Joint Connection *(03 21 11 00-0235)*

03 21 11 00-0239	EA	Screwed Type Mechanical Joint Connection, Add Per Splice	154.50	

03 21 11 00-0240 Deformed Straight Dowels *(03 21 11)*

Note: Excludes drilling. See CSI section 02 41 19 13-0279 for drilling in concrete.

03 21 11 00-0241	EA	3/8" Diameter x 24" Long, Deformed Straight Dowel	3.16	
		For Up To 12" Length, Deduct	*-0.49*	
		For >12" To <24" Length, Deduct	*-0.25*	
03 21 11 00-0242	EA	1/2" Diameter x 24" Long, Deformed Straight Dowel	3.83	
		For Up To 12" Length, Deduct	*-0.65*	
		For >12" To <24" Length, Deduct	*-0.32*	
03 21 11 00-0243	EA	5/8" Diameter x 24" Long, Deformed Straight Dowel	4.89	
		For Up To 12" Length, Deduct	*-1.02*	
		For >12" To <24" Length, Deduct	*-0.51*	
03 21 11 00-0244	EA	3/4" Diameter x 24" Long, Deformed Straight Dowel	6.15	
		For Up To 12" Length, Deduct	*-1.48*	
		For >12" To <24" Length, Deduct	*-0.74*	
03 21 11 00-0245	EA	7/8" Diameter x 24" Long, Deformed Straight Dowel	7.53	
		For Up To 12" Length, Deduct	*-2.06*	
		For >12" To <24" Length, Deduct	*-1.03*	
03 21 11 00-0246	EA	1" Diameter x 24" Long, Deformed Straight Dowel	9.53	
		For Up To 12" Length, Deduct	*-2.64*	
		For >12" To <24" Length, Deduct	*-1.32*	
03 21 11 00-0247	EA	1-1/8" Diameter x 24" Long, Deformed Straight Dowel	11.35	
		For Up To 12" Length, Deduct	*-3.25*	
		For >12" To <24" Length, Deduct	*-1.62*	
03 21 11 00-0248	EA	1-1/4" Diameter x 24" Long, Deformed Straight Dowel	14.15	
		For Up To 12" Length, Deduct	*-4.25*	
		For >12" To <24" Length, Deduct	*-2.12*	
03 21 11 00-0249	EA	1-3/8" Diameter x 24" Long, Deformed Straight Dowel	16.97	
		For Up To 12" Length, Deduct	*-5.24*	
		For >12" To <24" Length, Deduct	*-2.62*	

03 21 11 00-0250 Spirals, Reinforcing Steel *(03 21 11)*

03 21 11 00-0251	TON	Up To 15" Diameter, Grade 60, Spirals, Reinforcing Steel	3,612.82	
		For Grade 75, Add	*136.86*	
03 21 11 00-0252	TON	>15" To 24" Diameter, Grade 60, Spirals, Reinforcing Steel	3,569.90	
		For Grade 75, Add	*136.86*	
03 21 11 00-0253	TON	>24" To 36" Diameter, Grade 60, Spirals, Reinforcing Steel	3,537.18	
		For Grade 75, Add	*136.86*	
03 21 11 00-0254	TON	>36" To 48" Diameter, Grade 60, Spirals, Reinforcing Steel	3,483.64	
		For Grade 75, Add	*136.86*	
03 21 11 00-0255	TON	>48" To 64" Diameter, Grade 60, Spirals, Reinforcing Steel	3,411.25	
		For Grade 75, Add	*136.86*	
03 21 11 00-0256	TON	>64" To 84" Diameter, Grade 60, Spirals, Reinforcing Steel	3,384.54	
		For Grade 75, Add	*140.23*	
03 21 11 00-0257	TON	>84" To 96" Diameter, Grade 60, Spirals, Reinforcing Steel	3,323.94	
		For Grade 75, Add	*140.23*	

03 21 11 00-0258 Dowel Or Hairpin, Drilled And Epoxy Into Concrete *(03 21 11)*

03 21 11 00-0259	EA	Dowels Or Hairpin, 1/2" x 30" Length, Drilled And Epoxy In Concrete, 6" Embedment	26.91	
03 21 11 00-0260	EA	Dowels Or Hairpin, 1/2" x 36" Length, Drilled And Epoxy In Concrete, >6" To 12" Embedment	28.18	

03 21 11 00-0261 Accessories For Reinforcing Steel *(03 21 11)*

03 21 11 00-0262 Reinforcing Steel Lap-Weld Splice *(03 21 11 00-0261)*

03 21 11 00-0263	EA	Up To #6 Reinforcing Steel Lap-Weld Splice	70.40	
03 21 11 00-0264	EA	>#6 Reinforcing Steel Lap-Weld Splice	113.84	

03 21 11 00-0265 Reinforcing Steel Sleeve And Wedge Splice Joint *(03 21 11 00-0261)*

03 21 11 00-0266	EA	Up To #4 Reinforcing Steel, Sleeve And Wedge Splice Joint	37.80	
03 21 11 00-0267	EA	#5 Reinforcing Steel, Sleeve And Wedge Splice Joint	60.33	
03 21 11 00-0268	EA	#6 Reinforcing Steel, Sleeve And Wedge Splice Joint	92.80	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

03 21 13 Galvanized Reinforcement Steel Bars *(03 21)*

03 21 13 00-0001 Beams And Girders, Galvanized Steel Reinforcement Bar *(03 21 13)*

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0002	LF	#3, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	1.00	
		For Up To 100, Add	*0.75*	
		For >100 To 200, Add	*0.40*	
		For >200 To 500, Add	*0.16*	
03 21 13 00-0003	LF	#4, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	1.72	
		For Up To 100, Add	*1.31*	
		For >100 To 200, Add	*0.69*	
		For >200 To 500, Add	*0.28*	
03 21 13 00-0004	LF	#5, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	2.61	
		For Up To 100, Add	*2.02*	
		For >100 To 200, Add	*1.06*	
		For >200 To 500, Add	*0.42*	
03 21 13 00-0005	LF	#6, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	3.64	
		For Up To 100, Add	*2.85*	
		For >100 To 200, Add	*1.49*	
		For >200 To 500, Add	*0.60*	
03 21 13 00-0006	LF	#3, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	1.02	
		For Up To 100, Add	*0.77*	
		For >100 To 200, Add	*0.41*	
		For >200 To 500, Add	*0.16*	
03 21 13 00-0007	LF	#4, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	1.75	
		For Up To 100, Add	*1.34*	
		For >100 To 200, Add	*0.71*	
		For >200 To 500, Add	*0.28*	
03 21 13 00-0008	LF	#5, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	2.66	
		For Up To 100, Add	*2.07*	
		For >100 To 200, Add	*1.08*	
		For >200 To 500, Add	*0.43*	
03 21 13 00-0009	LF	#6, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	3.72	
		For Up To 100, Add	*2.93*	
		For >100 To 200, Add	*1.53*	
		For >200 To 500, Add	*0.61*	
03 21 13 00-0010	LF	#3, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	1.05	
		For Up To 100, Add	*0.80*	
		For >100 To 200, Add	*0.42*	
		For >200 To 500, Add	*0.17*	
03 21 13 00-0011	LF	#4, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	1.80	
		For Up To 100, Add	*1.39*	
		For >100 To 200, Add	*0.73*	
		For >200 To 500, Add	*0.29*	
03 21 13 00-0012	LF	#5, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	2.74	
		For Up To 100, Add	*2.15*	
		For >100 To 200, Add	*1.12*	
		For >200 To 500, Add	*0.45*	
03 21 13 00-0013	LF	#6, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	3.83	
		For Up To 100, Add	*3.04*	
		For >100 To 200, Add	*1.59*	
		For >200 To 500, Add	*0.64*	
03 21 13 00-0014	LF	#7, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	5.05	
		For Up To 100, Add	*3.14*	
		For >100 To 200, Add	*1.78*	
		For >200 To 400, Add	*0.85*	
03 21 13 00-0015	LF	#8, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	6.39	
		For Up To 100, Add	*4.03*	
		For >100 To 200, Add	*2.27*	
		For >200 To 400, Add	*1.09*	
03 21 13 00-0016	LF	#9, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	7.93	
		For Up To 100, Add	*5.06*	
		For >100 To 200, Add	*2.84*	
		For >200 To 400, Add	*1.36*	
03 21 13 00-0017	LF	#10, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	9.81	
		For Up To 100, Add	*5.11*	
		For >100 To 200, Add	*2.69*	
		For >200 To 300, Add	*1.34*	
03 21 13 00-0018	LF	#11, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	11.83	
		For Up To 100, Add	*6.23*	
		For >100 To 200, Add	*3.26*	
		For >200 To 300, Add	*1.63*	
03 21 13 00-0019	LF	#14, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	16.61	
		For Up To 100, Add	*8.84*	
		For >100 To 200, Add	*4.61*	
		For >200 To 300, Add	*2.30*	
03 21 13 00-0020	LF	#18, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	28.79	
		For Up To 100, Add	*15.49*	
		For >100 To 200, Add	*8.04*	
		For >200 To 300, Add	*4.02*	
03 21 13 00-0021	LF	#6, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	3.95	
		For Up To 100, Add	*3.16*	
		For >100 To 200, Add	*1.65*	
		For >200 To 500, Add	*0.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0022	LF	#7, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	5.21	
		For Up To 100, Add	*3.26*	
		For >100 To 200, Add	*1.84*	
		For >200 To 400, Add	*0.88*	
03 21 13 00-0023	LF	#8, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	6.59	
		For Up To 100, Add	*4.18*	
		For >100 To 200, Add	*2.35*	
		For >200 To 400, Add	*1.13*	
03 21 13 00-0024	LF	#9, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	8.19	
		For Up To 100, Add	*5.25*	
		For >100 To 200, Add	*2.94*	
		For >200 To 400, Add	*1.42*	
03 21 13 00-0025	LF	#10, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	10.14	
		For Up To 100, Add	*5.31*	
		For >100 To 200, Add	*2.78*	
		For >200 To 300, Add	*1.39*	
03 21 13 00-0026	LF	#11, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	12.23	
		For Up To 100, Add	*6.47*	
		For >100 To 200, Add	*3.38*	
		For >200 To 300, Add	*1.69*	
03 21 13 00-0027	LF	#14, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	17.20	
		For Up To 100, Add	*9.19*	
		For >100 To 200, Add	*4.78*	
		For >200 To 300, Add	*2.39*	
03 21 13 00-0028	LF	#18, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	29.83	
		For Up To 100, Add	*16.12*	
		For >100 To 200, Add	*8.36*	
		For >200 To 300, Add	*4.18*	

03 21 13 00-0029 Columns, Galvanized Steel Reinforcement Bar *(03 21 13)*

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0030	LF	#3, Grade 40, Columns, Galvanized Steel Reinforcement Bar	1.04	
		For Up To 100, Add	*0.76*	
		For >100 To 200, Add	*0.41*	
		For >200 To 500, Add	*0.16*	
03 21 13 00-0031	LF	#4, Grade 40, Columns, Galvanized Steel Reinforcement Bar	1.80	
		For Up To 100, Add	*1.34*	
		For >100 To 200, Add	*0.71*	
		For >200 To 500, Add	*0.28*	
03 21 13 00-0032	LF	#5, Grade 40, Columns, Galvanized Steel Reinforcement Bar	2.71	
		For Up To 100, Add	*2.06*	
		For >100 To 200, Add	*1.08*	
		For >200 To 500, Add	*0.43*	
03 21 13 00-0033	LF	#6, Grade 40, Columns, Galvanized Steel Reinforcement Bar	3.77	
		For Up To 100, Add	*2.91*	
		For >100 To 200, Add	*1.53*	
		For >200 To 500, Add	*0.61*	
03 21 13 00-0034	LF	#3, Grade 50, Columns, Galvanized Steel Reinforcement Bar	1.06	
		For Up To 100, Add	*0.78*	
		For >100 To 200, Add	*0.42*	
		For >200 To 500, Add	*0.17*	
03 21 13 00-0035	LF	#4, Grade 50, Columns, Galvanized Steel Reinforcement Bar	1.83	
		For Up To 100, Add	*1.37*	
		For >100 To 200, Add	*0.73*	
		For >200 To 500, Add	*0.29*	
03 21 13 00-0036	LF	#5, Grade 50, Columns, Galvanized Steel Reinforcement Bar	2.76	
		For Up To 100, Add	*2.11*	
		For >100 To 200, Add	*1.11*	
		For >200 To 500, Add	*0.44*	
03 21 13 00-0037	LF	#6, Grade 50, Columns, Galvanized Steel Reinforcement Bar	3.85	
		For Up To 100, Add	*2.99*	
		For >100 To 200, Add	*1.57*	
		For >200 To 500, Add	*0.63*	
03 21 13 00-0038	LF	#3, Grade 60, Columns, Galvanized Steel Reinforcement Bar	1.09	
		For Up To 100, Add	*0.81*	
		For >100 To 200, Add	*0.43*	
		For >200 To 500, Add	*0.17*	
03 21 13 00-0039	LF	#4, Grade 60, Columns, Galvanized Steel Reinforcement Bar	1.88	
		For Up To 100, Add	*1.42*	
		For >100 To 200, Add	*0.75*	
		For >200 To 500, Add	*0.30*	
03 21 13 00-0040	LF	#5, Grade 60, Columns, Galvanized Steel Reinforcement Bar	2.84	
		For Up To 100, Add	*2.19*	
		For >100 To 200, Add	*1.15*	
		For >200 To 500, Add	*0.46*	
03 21 13 00-0041	LF	#6, Grade 60, Columns, Galvanized Steel Reinforcement Bar	3.96	
		For Up To 100, Add	*3.10*	
		For >100 To 200, Add	*1.62*	
		For >200 To 500, Add	*0.65*	
03 21 13 00-0042	LF	#7, Grade 60, Columns, Galvanized Steel Reinforcement Bar	5.21	
		For Up To 100, Add	*3.20*	
		For >100 To 200, Add	*1.82*	
		For >200 To 400, Add	*0.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0043	LF	#8, Grade 60, Columns, Galvanized Steel Reinforcement Bar	6.57	
		For Up To 100, Add	*4.10*	
		For >100 To 200, Add	*2.32*	
		For >200 To 400, Add	*1.11*	
03 21 13 00-0044	LF	#9, Grade 60, Columns, Galvanized Steel Reinforcement Bar	8.15	
		For Up To 100, Add	*5.14*	
		For >100 To 200, Add	*2.89*	
		For >200 To 400, Add	*1.39*	
03 21 13 00-0045	LF	#10, Grade 60, Columns, Galvanized Steel Reinforcement Bar	10.06	
		For Up To 100, Add	*5.19*	
		For >100 To 200, Add	*2.74*	
		For >200 To 300, Add	*1.37*	
03 21 13 00-0046	LF	#11, Grade 60, Columns, Galvanized Steel Reinforcement Bar	12.11	
		For Up To 100, Add	*6.31*	
		For >100 To 200, Add	*3.32*	
		For >200 To 300, Add	*1.66*	
03 21 13 00-0047	LF	#14, Grade 60, Columns, Galvanized Steel Reinforcement Bar	16.99	
		For Up To 100, Add	*8.95*	
		For >100 To 200, Add	*4.68*	
		For >200 To 300, Add	*2.34*	
03 21 13 00-0048	LF	#18, Grade 60, Columns, Galvanized Steel Reinforcement Bar	29.37	
		For Up To 100, Add	*15.67*	
		For >100 To 200, Add	*8.16*	
		For >200 To 300, Add	*4.08*	
03 21 13 00-0049	LF	#6, Grade 75, Columns, Galvanized Steel Reinforcement Bar	4.08	
		For Up To 100, Add	*3.22*	
		For >100 To 200, Add	*1.68*	
		For >200 To 500, Add	*0.67*	
03 21 13 00-0050	LF	#7, Grade 75, Columns, Galvanized Steel Reinforcement Bar	5.37	
		For Up To 100, Add	*3.32*	
		For >100 To 200, Add	*1.88*	
		For >200 To 400, Add	*0.90*	
03 21 13 00-0051	LF	#8, Grade 75, Columns, Galvanized Steel Reinforcement Bar	6.77	
		For Up To 100, Add	*4.25*	
		For >100 To 200, Add	*2.40*	
		For >200 To 400, Add	*1.15*	
03 21 13 00-0052	LF	#9, Grade 75, Columns, Galvanized Steel Reinforcement Bar	8.41	
		For Up To 100, Add	*5.33*	
		For >100 To 200, Add	*3.00*	
		For >200 To 400, Add	*1.44*	
03 21 13 00-0053	LF	#10, Grade 75, Columns, Galvanized Steel Reinforcement Bar	10.39	
		For Up To 100, Add	*5.39*	
		For >100 To 200, Add	*2.83*	
		For >200 To 300, Add	*1.42*	
03 21 13 00-0054	LF	#11, Grade 75, Columns, Galvanized Steel Reinforcement Bar	12.51	
		For Up To 100, Add	*6.55*	
		For >100 To 200, Add	*3.44*	
		For >200 To 300, Add	*1.72*	
03 21 13 00-0055	LF	#14, Grade 75, Columns, Galvanized Steel Reinforcement Bar	17.58	
		For Up To 100, Add	*9.31*	
		For >100 To 200, Add	*4.86*	
		For >200 To 300, Add	*2.43*	
03 21 13 00-0056	LF	#18, Grade 75, Columns, Galvanized Steel Reinforcement Bar	30.41	
		For Up To 100, Add	*16.29*	
		For >100 To 200, Add	*8.47*	
		For >200 To 300, Add	*4.24*	

03 21 13 00-0057 Footings, Galvanized Steel Reinforcement Bar *(03 21 13)*

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0058	LF	#3, Grade 40, Footings, Galvanized Steel Reinforcement Bar	0.94	
		For Up To 100, Add	*0.72*	
		For >100 To 200, Add	*0.38*	
		For >200 To 500, Add	*0.15*	
03 21 13 00-0059	LF	#4, Grade 40, Footings, Galvanized Steel Reinforcement Bar	1.63	
		For Up To 100, Add	*1.28*	
		For >100 To 200, Add	*0.67*	
		For >200 To 500, Add	*0.27*	
03 21 13 00-0060	LF	#5, Grade 40, Footings, Galvanized Steel Reinforcement Bar	2.47	
		For Up To 100, Add	*1.96*	
		For >100 To 200, Add	*1.02*	
		For >200 To 500, Add	*0.41*	
03 21 13 00-0061	LF	#6, Grade 40, Footings, Galvanized Steel Reinforcement Bar	3.45	
		For Up To 100, Add	*2.78*	
		For >100 To 200, Add	*1.45*	
		For >200 To 500, Add	*0.58*	
03 21 13 00-0062	LF	#3, Grade 50, Footings, Galvanized Steel Reinforcement Bar	0.96	
		For Up To 100, Add	*0.74*	
		For >100 To 200, Add	*0.39*	
		For >200 To 500, Add	*0.16*	
03 21 13 00-0063	LF	#4, Grade 50, Footings, Galvanized Steel Reinforcement Bar	1.66	
		For Up To 100, Add	*1.31*	
		For >100 To 200, Add	*0.68*	
		For >200 To 500, Add	*0.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0064	LF	#5, Grade 50, Footings, Galvanized Steel Reinforcement Bar	2.52	
		For Up To 100, Add	*2.01*	
		For >100 To 200, Add	*1.05*	
		For >200 To 500, Add	*0.42*	
03 21 13 00-0065	LF	#6, Grade 50, Footings, Galvanized Steel Reinforcement Bar	3.53	
		For Up To 100, Add	*2.86*	
		For >100 To 200, Add	*1.49*	
		For >200 To 500, Add	*0.59*	
03 21 13 00-0066	LF	#3, Grade 60, Footings, Galvanized Steel Reinforcement Bar	0.99	
		For Up To 100, Add	*0.77*	
		For >100 To 200, Add	*0.41*	
		For >200 To 500, Add	*0.16*	
03 21 13 00-0067	LF	#4, Grade 60, Footings, Galvanized Steel Reinforcement Bar	1.71	
		For Up To 100, Add	*1.36*	
		For >100 To 200, Add	*0.71*	
		For >200 To 500, Add	*0.28*	
03 21 13 00-0068	LF	#5, Grade 60, Footings, Galvanized Steel Reinforcement Bar	2.60	
		For Up To 100, Add	*2.09*	
		For >100 To 200, Add	*1.09*	
		For >200 To 500, Add	*0.44*	
03 21 13 00-0069	LF	#6, Grade 60, Footings, Galvanized Steel Reinforcement Bar	3.64	
		For Up To 100, Add	*2.97*	
		For >100 To 200, Add	*1.54*	
		For >200 To 500, Add	*0.62*	
03 21 13 00-0070	LF	#7, Grade 60, Footings, Galvanized Steel Reinforcement Bar	4.81	
		For Up To 100, Add	*3.06*	
		For >100 To 200, Add	*1.72*	
		For >200 To 400, Add	*0.82*	
03 21 13 00-0071	LF	#8, Grade 60, Footings, Galvanized Steel Reinforcement Bar	6.11	
		For Up To 100, Add	*3.93*	
		For >100 To 200, Add	*2.20*	
		For >200 To 400, Add	*1.06*	
03 21 13 00-0072	LF	#9, Grade 60, Footings, Galvanized Steel Reinforcement Bar	7.60	
		For Up To 100, Add	*4.94*	
		For >100 To 200, Add	*2.76*	
		For >200 To 400, Add	*1.33*	
03 21 13 00-0073	LF	#10, Grade 60, Footings, Galvanized Steel Reinforcement Bar	9.42	
		For Up To 100, Add	*5.00*	
		For >100 To 200, Add	*2.61*	
		For >200 To 300, Add	*1.30*	
03 21 13 00-0074	LF	#11, Grade 60, Footings, Galvanized Steel Reinforcement Bar	11.39	
		For Up To 100, Add	*6.10*	
		For >100 To 200, Add	*3.17*	
		For >200 To 300, Add	*1.59*	
03 21 13 00-0075	LF	#14, Grade 60, Footings, Galvanized Steel Reinforcement Bar	16.04	
		For Up To 100, Add	*8.67*	
		For >100 To 200, Add	*4.49*	
		For >200 To 300, Add	*2.25*	
03 21 13 00-0076	LF	#18, Grade 60, Footings, Galvanized Steel Reinforcement Bar	27.89	
		For Up To 100, Add	*15.22*	
		For >100 To 200, Add	*7.86*	
		For >200 To 300, Add	*3.93*	
03 21 13 00-0077	LF	#6, Grade 75, Footings, Galvanized Steel Reinforcement Bar	3.76	
		For Up To 100, Add	*3.09*	
		For >100 To 200, Add	*1.60*	
		For >200 To 500, Add	*0.64*	
03 21 13 00-0078	LF	#7, Grade 75, Footings, Galvanized Steel Reinforcement Bar	4.97	
		For Up To 100, Add	*3.18*	
		For >100 To 200, Add	*1.78*	
		For >200 To 400, Add	*0.86*	
03 21 13 00-0079	LF	#8, Grade 75, Footings, Galvanized Steel Reinforcement Bar	6.31	
		For Up To 100, Add	*4.08*	
		For >100 To 200, Add	*2.28*	
		For >200 To 400, Add	*1.10*	
03 21 13 00-0080	LF	#9, Grade 75, Footings, Galvanized Steel Reinforcement Bar	7.86	
		For Up To 100, Add	*5.14*	
		For >100 To 200, Add	*2.86*	
		For >200 To 400, Add	*1.38*	
03 21 13 00-0081	LF	#10, Grade 75, Footings, Galvanized Steel Reinforcement Bar	9.75	
		For Up To 100, Add	*5.19*	
		For >100 To 200, Add	*2.71*	
		For >200 To 300, Add	*1.35*	
03 21 13 00-0082	LF	#11, Grade 75, Footings, Galvanized Steel Reinforcement Bar	11.79	
		For Up To 100, Add	*6.34*	
		For >100 To 200, Add	*3.29*	
		For >200 To 300, Add	*1.65*	
03 21 13 00-0083	LF	#14, Grade 75, Footings, Galvanized Steel Reinforcement Bar	16.63	
		For Up To 100, Add	*9.02*	
		For >100 To 200, Add	*4.67*	
		For >200 To 300, Add	*2.34*	
03 21 13 00-0084	LF	#18, Grade 75, Footings, Galvanized Steel Reinforcement Bar	28.93	
		For Up To 100, Add	*15.85*	
		For >100 To 200, Add	*8.18*	
		For >200 To 300, Add	*4.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

03 21 13 00-0085 Slab On Grade, Galvanized Steel Reinforcement Bar *(03 21 13)*

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0086	LF	#3, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	0.92	
		For Up To 100, Add	*0.72*	
		For >100 To 200, Add	*0.38*	
		For >200 To 500, Add	*0.15*	
03 21 13 00-0087	LF	#4, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	1.59	
		For Up To 100, Add	*1.26*	
		For >100 To 200, Add	*0.66*	
		For >200 To 500, Add	*0.26*	
03 21 13 00-0088	LF	#5, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	2.41	
		For Up To 100, Add	*1.94*	
		For >100 To 200, Add	*1.01*	
		For >200 To 500, Add	*0.40*	
03 21 13 00-0089	LF	#6, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	3.37	
		For Up To 100, Add	*2.75*	
		For >100 To 200, Add	*1.43*	
		For >200 To 500, Add	*0.57*	
03 21 13 00-0090	LF	#3, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	0.94	
		For Up To 100, Add	*0.74*	
		For >100 To 200, Add	*0.39*	
		For >200 To 500, Add	*0.15*	
03 21 13 00-0091	LF	#4, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	1.62	
		For Up To 100, Add	*1.29*	
		For >100 To 200, Add	*0.67*	
		For >200 To 500, Add	*0.27*	
03 21 13 00-0092	LF	#5, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	2.46	
		For Up To 100, Add	*1.99*	
		For >100 To 200, Add	*1.03*	
		For >200 To 500, Add	*0.41*	
03 21 13 00-0093	LF	#6, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	3.45	
		For Up To 100, Add	*2.83*	
		For >100 To 200, Add	*1.47*	
		For >200 To 500, Add	*0.59*	
03 21 13 00-0094	LF	#3, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	0.97	
		For Up To 100, Add	*0.77*	
		For >100 To 200, Add	*0.40*	
		For >200 To 500, Add	*0.16*	
03 21 13 00-0095	LF	#4, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	1.67	
		For Up To 100, Add	*1.34*	
		For >100 To 200, Add	*0.70*	
		For >200 To 500, Add	*0.28*	
03 21 13 00-0096	LF	#5, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	2.54	
		For Up To 100, Add	*2.07*	
		For >100 To 200, Add	*1.07*	
		For >200 To 500, Add	*0.43*	
03 21 13 00-0097	LF	#6, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	3.56	
		For Up To 100, Add	*2.94*	
		For >100 To 200, Add	*1.52*	
		For >200 To 500, Add	*0.61*	
03 21 13 00-0098	LF	#7, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	4.73	
		For Up To 100, Add	*3.03*	
		For >100 To 200, Add	*1.70*	
		For >200 To 400, Add	*0.82*	
03 21 13 00-0099	LF	#8, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	6.01	
		For Up To 100, Add	*3.90*	
		For >100 To 200, Add	*2.18*	
		For >200 To 400, Add	*1.05*	
03 21 13 00-0100	LF	#9, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	7.49	
		For Up To 100, Add	*4.91*	
		For >100 To 200, Add	*2.73*	
		For >200 To 400, Add	*1.32*	
03 21 13 00-0101	LF	#10, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	9.29	
		For Up To 100, Add	*4.96*	
		For >100 To 200, Add	*2.58*	
		For >200 To 300, Add	*1.29*	
03 21 13 00-0102	LF	#11, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	11.25	
		For Up To 100, Add	*6.05*	
		For >100 To 200, Add	*3.14*	
		For >200 To 300, Add	*1.57*	
03 21 13 00-0103	LF	#14, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	15.85	
		For Up To 100, Add	*8.61*	
		For >100 To 200, Add	*4.46*	
		For >200 To 300, Add	*2.23*	
03 21 13 00-0104	LF	#18, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	27.59	
		For Up To 100, Add	*15.13*	
		For >100 To 200, Add	*7.80*	
		For >200 To 300, Add	*3.90*	
03 21 13 00-0105	LF	#6, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	3.68	
		For Up To 100, Add	*3.06*	
		For >100 To 200, Add	*1.58*	
		For >200 To 500, Add	*0.63*	
03 21 13 00-0106	LF	#7, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	4.89	
		For Up To 100, Add	*3.15*	
		For >100 To 200, Add	*1.76*	
		For >200 To 400, Add	*0.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0107	LF	#8, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	6.21	
		For Up To 100, Add	*4.05*	
		For >100 To 200, Add	*2.26*	
		For >200 To 400, Add	*1.09*	
03 21 13 00-0108	LF	#9, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	7.75	
		For Up To 100, Add	*5.10*	
		For >100 To 200, Add	*2.83*	
		For >200 To 400, Add	*1.37*	
03 21 13 00-0109	LF	#10, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	9.62	
		For Up To 100, Add	*5.15*	
		For >100 To 200, Add	*2.68*	
		For >200 To 300, Add	*1.34*	
03 21 13 00-0110	LF	#11, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	11.65	
		For Up To 100, Add	*6.29*	
		For >100 To 200, Add	*3.26*	
		For >200 To 300, Add	*1.63*	
03 21 13 00-0111	LF	#14, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	16.44	
		For Up To 100, Add	*8.96*	
		For >100 To 200, Add	*4.63*	
		For >200 To 300, Add	*2.32*	
03 21 13 00-0112	LF	#18, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	28.63	
		For Up To 100, Add	*15.76*	
		For >100 To 200, Add	*8.12*	
		For >200 To 300, Add	*4.06*	

03 21 13 00-0113 Elevated Slabs, Galvanized Steel Reinforcement Bar *(03 21 13)*

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0114	LF	#3, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.87	
		For Up To 100, Add	*0.70*	
		For >100 To 200, Add	*0.36*	
		For >200 To 500, Add	*0.15*	
03 21 13 00-0115	LF	#4, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.52	
		For Up To 100, Add	*1.23*	
		For >100 To 200, Add	*0.64*	
		For >200 To 500, Add	*0.26*	
03 21 13 00-0116	LF	#5, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.31	
		For Up To 100, Add	*1.90*	
		For >100 To 200, Add	*0.98*	
		For >200 To 500, Add	*0.39*	
03 21 13 00-0117	LF	#6, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.24	
		For Up To 100, Add	*2.69*	
		For >100 To 200, Add	*1.39*	
		For >200 To 500, Add	*0.56*	
03 21 13 00-0118	LF	#3, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.89	
		For Up To 100, Add	*0.72*	
		For >100 To 200, Add	*0.37*	
		For >200 To 500, Add	*0.15*	
03 21 13 00-0119	LF	#4, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.55	
		For Up To 100, Add	*1.26*	
		For >100 To 200, Add	*0.66*	
		For >200 To 500, Add	*0.26*	
03 21 13 00-0120	LF	#5, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.36	
		For Up To 100, Add	*1.95*	
		For >100 To 200, Add	*1.01*	
		For >200 To 500, Add	*0.40*	
03 21 13 00-0121	LF	#6, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.32	
		For Up To 100, Add	*2.77*	
		For >100 To 200, Add	*1.43*	
		For >200 To 500, Add	*0.57*	
03 21 13 00-0122	LF	#3, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.92	
		For Up To 100, Add	*0.75*	
		For >100 To 200, Add	*0.39*	
		For >200 To 500, Add	*0.16*	
03 21 13 00-0123	LF	#4, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.60	
		For Up To 100, Add	*1.31*	
		For >100 To 200, Add	*0.68*	
		For >200 To 500, Add	*0.27*	
03 21 13 00-0124	LF	#5, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.44	
		For Up To 100, Add	*2.03*	
		For >100 To 200, Add	*1.05*	
		For >200 To 500, Add	*0.42*	
03 21 13 00-0125	LF	#6, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.43	
		For Up To 100, Add	*2.88*	
		For >100 To 200, Add	*1.49*	
		For >200 To 500, Add	*0.60*	
03 21 13 00-0126	LF	#7, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	4.57	
		For Up To 100, Add	*2.97*	
		For >100 To 200, Add	*1.66*	
		For >200 To 400, Add	*0.80*	
03 21 13 00-0127	LF	#8, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	5.81	
		For Up To 100, Add	*3.83*	
		For >100 To 200, Add	*2.13*	
		For >200 To 400, Add	*1.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0128	LF	#9, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	7.27	
		For Up To 100, Add	*4.83*	
		For >100 To 200, Add	*2.67*	
		For >200 To 400, Add	*1.30*	
03 21 13 00-0129	LF	#10, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	9.04	
		For Up To 100, Add	*4.88*	
		For >100 To 200, Add	*2.53*	
		For >200 To 300, Add	*1.27*	
03 21 13 00-0130	LF	#11, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	10.96	
		For Up To 100, Add	*5.97*	
		For >100 To 200, Add	*3.09*	
		For >200 To 300, Add	*1.54*	
03 21 13 00-0131	LF	#14, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	15.48	
		For Up To 100, Add	*8.50*	
		For >100 To 200, Add	*4.38*	
		For >200 To 300, Add	*2.19*	
03 21 13 00-0132	LF	#18, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	27.01	
		For Up To 100, Add	*14.96*	
		For >100 To 200, Add	*7.69*	
		For >200 To 300, Add	*3.84*	
03 21 13 00-0133	LF	#6, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.55	
		For Up To 100, Add	*3.00*	
		For >100 To 200, Add	*1.55*	
		For >200 To 500, Add	*0.62*	
03 21 13 00-0134	LF	#7, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	4.73	
		For Up To 100, Add	*3.09*	
		For >100 To 200, Add	*1.72*	
		For >200 To 400, Add	*0.83*	
03 21 13 00-0135	LF	#8, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	6.01	
		For Up To 100, Add	*3.98*	
		For >100 To 200, Add	*2.21*	
		For >200 To 400, Add	*1.07*	
03 21 13 00-0136	LF	#9, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	7.53	
		For Up To 100, Add	*5.02*	
		For >100 To 200, Add	*2.78*	
		For >200 To 400, Add	*1.35*	
03 21 13 00-0137	LF	#10, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	9.37	
		For Up To 100, Add	*5.08*	
		For >100 To 200, Add	*2.63*	
		For >200 To 300, Add	*1.32*	
03 21 13 00-0138	LF	#11, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	11.36	
		For Up To 100, Add	*6.21*	
		For >100 To 200, Add	*3.21*	
		For >200 To 300, Add	*1.60*	
03 21 13 00-0139	LF	#14, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	16.07	
		For Up To 100, Add	*8.85*	
		For >100 To 200, Add	*4.56*	
		For >200 To 300, Add	*2.28*	
03 21 13 00-0140	LF	#18, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	28.05	
		For Up To 100, Add	*15.58*	
		For >100 To 200, Add	*8.00*	
		For >200 To 300, Add	*4.00*	

03 21 13 00-0141 Walls, Galvanized Steel Reinforcement Bar *(03 21 13)*

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0142	LF	#3, Grade 40, Walls, Galvanized Steel Reinforcement Bar	0.85	
		For Up To 100, Add	*0.69*	
		For >100 To 200, Add	*0.36*	
		For >200 To 500, Add	*0.14*	
03 21 13 00-0143	LF	#4, Grade 40, Walls, Galvanized Steel Reinforcement Bar	1.49	
		For Up To 100, Add	*1.22*	
		For >100 To 200, Add	*0.63*	
		For >200 To 500, Add	*0.25*	
03 21 13 00-0144	LF	#5, Grade 40, Walls, Galvanized Steel Reinforcement Bar	2.26	
		For Up To 100, Add	*1.88*	
		For >100 To 200, Add	*0.97*	
		For >200 To 500, Add	*0.39*	
03 21 13 00-0145	LF	#6, Grade 40, Walls, Galvanized Steel Reinforcement Bar	3.18	
		For Up To 100, Add	*2.67*	
		For >100 To 200, Add	*1.38*	
		For >200 To 500, Add	*0.55*	
03 21 13 00-0146	LF	#3, Grade 50, Walls, Galvanized Steel Reinforcement Bar	0.87	
		For Up To 100, Add	*0.71*	
		For >100 To 200, Add	*0.37*	
		For >200 To 500, Add	*0.15*	
03 21 13 00-0147	LF	#4, Grade 50, Walls, Galvanized Steel Reinforcement Bar	1.52	
		For Up To 100, Add	*1.25*	
		For >100 To 200, Add	*0.65*	
		For >200 To 500, Add	*0.26*	
03 21 13 00-0148	LF	#5, Grade 50, Walls, Galvanized Steel Reinforcement Bar	2.31	
		For Up To 100, Add	*1.93*	
		For >100 To 200, Add	*1.00*	
		For >200 To 500, Add	*0.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0149	LF	#6, Grade 50, Walls, Galvanized Steel Reinforcement Bar	3.26	
		For Up To 100, Add	*2.75*	
		For >100 To 200, Add	*1.42*	
		For >200 To 500, Add	*0.57*	
03 21 13 00-0150	LF	#3, Grade 60, Walls, Galvanized Steel Reinforcement Bar	0.90	
		For Up To 100, Add	*0.74*	
		For >100 To 200, Add	*0.38*	
		For >200 To 500, Add	*0.15*	
03 21 13 00-0151	LF	#4, Grade 60, Walls, Galvanized Steel Reinforcement Bar	1.57	
		For Up To 100, Add	*1.30*	
		For >100 To 200, Add	*0.67*	
		For >200 To 500, Add	*0.27*	
03 21 13 00-0152	LF	#5, Grade 60, Walls, Galvanized Steel Reinforcement Bar	2.39	
		For Up To 100, Add	*2.01*	
		For >100 To 200, Add	*1.04*	
		For >200 To 500, Add	*0.41*	
03 21 13 00-0153	LF	#6, Grade 60, Walls, Galvanized Steel Reinforcement Bar	3.37	
		For Up To 100, Add	*2.86*	
		For >100 To 200, Add	*1.47*	
		For >200 To 500, Add	*0.59*	
03 21 13 00-0154	LF	#7, Grade 60, Walls, Galvanized Steel Reinforcement Bar	4.47	
		For Up To 100, Add	*2.94*	
		For >100 To 200, Add	*1.63*	
		For >200 To 400, Add	*0.79*	
03 21 13 00-0155	LF	#8, Grade 60, Walls, Galvanized Steel Reinforcement Bar	5.73	
		For Up To 100, Add	*3.80*	
		For >100 To 200, Add	*2.11*	
		For >200 To 400, Add	*1.02*	
03 21 13 00-0156	LF	#9, Grade 60, Walls, Galvanized Steel Reinforcement Bar	7.16	
		For Up To 100, Add	*4.79*	
		For >100 To 200, Add	*2.65*	
		For >200 To 400, Add	*1.29*	
03 21 13 00-0157	LF	#10, Grade 60, Walls, Galvanized Steel Reinforcement Bar	8.91	
		For Up To 100, Add	*4.84*	
		For >100 To 200, Add	*2.51*	
		For >200 To 300, Add	*1.25*	
03 21 13 00-0158	LF	#11, Grade 60, Walls, Galvanized Steel Reinforcement Bar	10.82	
		For Up To 100, Add	*5.93*	
		For >100 To 200, Add	*3.06*	
		For >200 To 300, Add	*1.53*	
03 21 13 00-0159	LF	#14, Grade 60, Walls, Galvanized Steel Reinforcement Bar	15.29	
		For Up To 100, Add	*8.44*	
		For >100 To 200, Add	*4.34*	
		For >200 To 300, Add	*2.17*	
03 21 13 00-0160	LF	#18, Grade 60, Walls, Galvanized Steel Reinforcement Bar	26.71	
		For Up To 100, Add	*14.87*	
		For >100 To 200, Add	*7.63*	
		For >200 To 300, Add	*3.81*	
03 21 13 00-0161	LF	#6, Grade 75, Walls, Galvanized Steel Reinforcement Bar	3.49	
		For Up To 100, Add	*2.98*	
		For >100 To 200, Add	*1.53*	
		For >200 To 500, Add	*0.61*	
03 21 13 00-0162	LF	#7, Grade 75, Walls, Galvanized Steel Reinforcement Bar	4.63	
		For Up To 100, Add	*3.06*	
		For >100 To 200, Add	*1.70*	
		For >200 To 400, Add	*0.82*	
03 21 13 00-0163	LF	#8, Grade 75, Walls, Galvanized Steel Reinforcement Bar	5.93	
		For Up To 100, Add	*3.95*	
		For >100 To 200, Add	*2.19*	
		For >200 To 400, Add	*1.06*	
03 21 13 00-0164	LF	#9, Grade 75, Walls, Galvanized Steel Reinforcement Bar	7.42	
		For Up To 100, Add	*4.99*	
		For >100 To 200, Add	*2.75*	
		For >200 To 400, Add	*1.34*	
03 21 13 00-0165	LF	#10, Grade 75, Walls, Galvanized Steel Reinforcement Bar	9.24	
		For Up To 100, Add	*5.04*	
		For >100 To 200, Add	*2.60*	
		For >200 To 300, Add	*1.30*	
03 21 13 00-0166	LF	#11, Grade 75, Walls, Galvanized Steel Reinforcement Bar	11.22	
		For Up To 100, Add	*6.17*	
		For >100 To 200, Add	*3.18*	
		For >200 To 300, Add	*1.59*	
03 21 13 00-0167	LF	#14, Grade 75, Walls, Galvanized Steel Reinforcement Bar	15.88	
		For Up To 100, Add	*8.80*	
		For >100 To 200, Add	*4.52*	
		For >200 To 300, Add	*2.26*	
03 21 13 00-0168	LF	#18, Grade 75, Walls, Galvanized Steel Reinforcement Bar	27.75	
		For Up To 100, Add	*15.49*	
		For >100 To 200, Add	*7.94*	
		For >200 To 300, Add	*3.97*	

03 21 16 Epoxy-Coated Reinforcement Steel Bars *(03 21)*

03 21 16 00-0001 Beams And Girders, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*

Note: ASTM A-775 Epoxy Coated Steel.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0002	LF	#3, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	0.98	
		For Up To 100, Add	*0.73*	
		For >100 To 200, Add	*0.39*	
		For >200 To 500, Add	*0.15*	
03 21 16 00-0003	LF	#4, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.68	
		For Up To 100, Add	*1.27*	
		For >100 To 200, Add	*0.67*	
		For >200 To 500, Add	*0.27*	
03 21 16 00-0004	LF	#5, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.55	
		For Up To 100, Add	*1.96*	
		For >100 To 200, Add	*1.03*	
		For >200 To 500, Add	*0.41*	
03 21 16 00-0005	LF	#6, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	3.55	
		For Up To 100, Add	*2.76*	
		For >100 To 200, Add	*1.45*	
		For >200 To 500, Add	*0.58*	
03 21 16 00-0006	LF	#3, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.00	
		For Up To 100, Add	*0.75*	
		For >100 To 200, Add	*0.40*	
		For >200 To 500, Add	*0.16*	
03 21 16 00-0007	LF	#4, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.71	
		For Up To 100, Add	*1.30*	
		For >100 To 200, Add	*0.69*	
		For >200 To 500, Add	*0.27*	
03 21 16 00-0008	LF	#5, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.60	
		For Up To 100, Add	*2.01*	
		For >100 To 200, Add	*1.05*	
		For >200 To 500, Add	*0.42*	
03 21 16 00-0009	LF	#6, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	3.63	
		For Up To 100, Add	*2.84*	
		For >100 To 200, Add	*1.49*	
		For >200 To 500, Add	*0.60*	
03 21 16 00-0010	LF	#3, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.03	
		For Up To 100, Add	*0.78*	
		For >100 To 200, Add	*0.41*	
		For >200 To 500, Add	*0.16*	
03 21 16 00-0011	LF	#4, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.76	
		For Up To 100, Add	*1.35*	
		For >100 To 200, Add	*0.71*	
		For >200 To 500, Add	*0.28*	
03 21 16 00-0012	LF	#5, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.68	
		For Up To 100, Add	*2.09*	
		For >100 To 200, Add	*1.09*	
		For >200 To 500, Add	*0.44*	
03 21 16 00-0013	LF	#6, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	3.75	
		For Up To 100, Add	*2.96*	
		For >100 To 200, Add	*1.55*	
		For >200 To 500, Add	*0.62*	
03 21 16 00-0014	LF	#7, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	4.94	
		For Up To 100, Add	*3.06*	
		For >100 To 200, Add	*1.73*	
		For >200 To 400, Add	*0.83*	
03 21 16 00-0015	LF	#8, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	6.23	
		For Up To 100, Add	*3.91*	
		For >100 To 200, Add	*2.21*	
		For >200 To 400, Add	*1.06*	
03 21 16 00-0016	LF	#9, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	7.74	
		For Up To 100, Add	*4.92*	
		For >100 To 200, Add	*2.76*	
		For >200 To 400, Add	*1.33*	
03 21 16 00-0017	LF	#10, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	9.56	
		For Up To 100, Add	*4.96*	
		For >100 To 200, Add	*2.61*	
		For >200 To 300, Add	*1.31*	
03 21 16 00-0018	LF	#11, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	11.52	
		For Up To 100, Add	*6.04*	
		For >100 To 200, Add	*3.17*	
		For >200 To 300, Add	*1.58*	
03 21 16 00-0019	LF	#14, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	16.17	
		For Up To 100, Add	*8.57*	
		For >100 To 200, Add	*4.48*	
		For >200 To 300, Add	*2.24*	
03 21 16 00-0020	LF	#18, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	28.01	
		For Up To 100, Add	*15.02*	
		For >100 To 200, Add	*7.81*	
		For >200 To 300, Add	*3.90*	
03 21 16 00-0021	LF	#6, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	3.86	
		For Up To 100, Add	*3.07*	
		For >100 To 200, Add	*1.60*	
		For >200 To 500, Add	*0.64*	
03 21 16 00-0022	LF	#7, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	5.09	
		For Up To 100, Add	*3.17*	
		For >100 To 200, Add	*1.79*	
		For >200 To 400, Add	*0.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0023	LF	#8, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	6.44	
		For Up To 100, Add	*4.07*	
		For >100 To 200, Add	*2.29*	
		For >200 To 400, Add	*1.10*	
03 21 16 00-0024	LF	#9, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	8.00	
		For Up To 100, Add	*5.11*	
		For >100 To 200, Add	*2.87*	
		For >200 To 400, Add	*1.38*	
03 21 16 00-0025	LF	#10, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	9.89	
		For Up To 100, Add	*5.16*	
		For >100 To 200, Add	*2.71*	
		For >200 To 300, Add	*1.35*	
03 21 16 00-0026	LF	#11, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	11.93	
		For Up To 100, Add	*6.29*	
		For >100 To 200, Add	*3.29*	
		For >200 To 300, Add	*1.64*	
03 21 16 00-0027	LF	#14, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	16.76	
		For Up To 100, Add	*8.93*	
		For >100 To 200, Add	*4.65*	
		For >200 To 300, Add	*2.33*	
03 21 16 00-0028	LF	#18, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	29.05	
		For Up To 100, Add	*15.65*	
		For >100 To 200, Add	*8.12*	
		For >200 To 300, Add	*4.06*	

03 21 16 00-0029 Columns, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0030	LF	#3, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	1.02	
		For Up To 100, Add	*0.74*	
		For >100 To 200, Add	*0.40*	
		For >200 To 500, Add	*0.16*	
03 21 16 00-0031	LF	#4, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	1.76	
		For Up To 100, Add	*1.30*	
		For >100 To 200, Add	*0.69*	
		For >200 To 500, Add	*0.28*	
03 21 16 00-0032	LF	#5, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	2.65	
		For Up To 100, Add	*2.00*	
		For >100 To 200, Add	*1.05*	
		For >200 To 500, Add	*0.42*	
03 21 16 00-0033	LF	#6, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	3.68	
		For Up To 100, Add	*2.82*	
		For >100 To 200, Add	*1.48*	
		For >200 To 500, Add	*0.59*	
03 21 16 00-0034	LF	#3, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	1.04	
		For Up To 100, Add	*0.76*	
		For >100 To 200, Add	*0.41*	
		For >200 To 500, Add	*0.16*	
03 21 16 00-0035	LF	#4, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	1.79	
		For Up To 100, Add	*1.33*	
		For >100 To 200, Add	*0.71*	
		For >200 To 500, Add	*0.28*	
03 21 16 00-0036	LF	#5, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	2.70	
		For Up To 100, Add	*2.05*	
		For >100 To 200, Add	*1.08*	
		For >200 To 500, Add	*0.43*	
03 21 16 00-0037	LF	#6, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	3.76	
		For Up To 100, Add	*2.90*	
		For >100 To 200, Add	*1.52*	
		For >200 To 500, Add	*0.61*	
03 21 16 00-0038	LF	#3, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	1.07	
		For Up To 100, Add	*0.79*	
		For >100 To 200, Add	*0.42*	
		For >200 To 500, Add	*0.17*	
03 21 16 00-0039	LF	#4, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	1.84	
		For Up To 100, Add	*1.38*	
		For >100 To 200, Add	*0.73*	
		For >200 To 500, Add	*0.29*	
03 21 16 00-0040	LF	#5, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	2.78	
		For Up To 100, Add	*2.13*	
		For >100 To 200, Add	*1.12*	
		For >200 To 500, Add	*0.45*	
03 21 16 00-0041	LF	#6, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	3.88	
		For Up To 100, Add	*3.02*	
		For >100 To 200, Add	*1.58*	
		For >200 To 500, Add	*0.63*	
03 21 16 00-0042	LF	#7, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	5.10	
		For Up To 100, Add	*3.11*	
		For >100 To 200, Add	*1.77*	
		For >200 To 400, Add	*0.84*	
03 21 16 00-0043	LF	#8, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	6.41	
		For Up To 100, Add	*3.98*	
		For >100 To 200, Add	*2.25*	
		For >200 To 400, Add	*1.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0044	LF	#9, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	7.96	
		For Up To 100, Add	*4.99*	
		For >100 To 200, Add	*2.82*	
		For >200 To 400, Add	*1.35*	
03 21 16 00-0045	LF	#10, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	9.81	
		For Up To 100, Add	*5.04*	
		For >100 To 200, Add	*2.66*	
		For >200 To 300, Add	*1.33*	
03 21 16 00-0046	LF	#11, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	11.80	
		For Up To 100, Add	*6.13*	
		For >100 To 200, Add	*3.22*	
		For >200 To 300, Add	*1.61*	
03 21 16 00-0047	LF	#14, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	16.55	
		For Up To 100, Add	*8.69*	
		For >100 To 200, Add	*4.55*	
		For >200 To 300, Add	*2.28*	
03 21 16 00-0048	LF	#18, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	28.59	
		For Up To 100, Add	*15.20*	
		For >100 To 200, Add	*7.93*	
		For >200 To 300, Add	*3.96*	
03 21 16 00-0049	LF	#6, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	3.99	
		For Up To 100, Add	*3.13*	
		For >100 To 200, Add	*1.64*	
		For >200 To 500, Add	*0.65*	
03 21 16 00-0050	LF	#7, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	5.25	
		For Up To 100, Add	*3.23*	
		For >100 To 200, Add	*1.83*	
		For >200 To 400, Add	*0.87*	
03 21 16 00-0051	LF	#8, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	6.62	
		For Up To 100, Add	*4.13*	
		For >100 To 200, Add	*2.34*	
		For >200 To 400, Add	*1.12*	
03 21 16 00-0052	LF	#9, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	8.22	
		For Up To 100, Add	*5.19*	
		For >100 To 200, Add	*2.92*	
		For >200 To 400, Add	*1.40*	
03 21 16 00-0053	LF	#10, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	10.14	
		For Up To 100, Add	*5.24*	
		For >100 To 200, Add	*2.76*	
		For >200 To 300, Add	*1.38*	
03 21 16 00-0054	LF	#11, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	12.21	
		For Up To 100, Add	*6.37*	
		For >100 To 200, Add	*3.35*	
		For >200 To 300, Add	*1.67*	
03 21 16 00-0055	LF	#14, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	17.14	
		For Up To 100, Add	*9.04*	
		For >100 To 200, Add	*4.73*	
		For >200 To 300, Add	*2.36*	
03 21 16 00-0056	LF	#18, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	29.63	
		For Up To 100, Add	*15.82*	
		For >100 To 200, Add	*8.24*	
		For >200 To 300, Add	*4.12*	

03 21 16 00-0057 Footings, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0058	LF	#3, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	0.92	
		For Up To 100, Add	*0.70*	
		For >100 To 200, Add	*0.37*	
		For >200 To 500, Add	*0.15*	
03 21 16 00-0059	LF	#4, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	1.59	
		For Up To 100, Add	*1.24*	
		For >100 To 200, Add	*0.65*	
		For >200 To 500, Add	*0.26*	
03 21 16 00-0060	LF	#5, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	2.41	
		For Up To 100, Add	*1.90*	
		For >100 To 200, Add	*0.99*	
		For >200 To 500, Add	*0.40*	
03 21 16 00-0061	LF	#6, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	3.36	
		For Up To 100, Add	*2.69*	
		For >100 To 200, Add	*1.40*	
		For >200 To 500, Add	*0.56*	
03 21 16 00-0062	LF	#3, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	0.94	
		For Up To 100, Add	*0.72*	
		For >100 To 200, Add	*0.38*	
		For >200 To 500, Add	*0.15*	
03 21 16 00-0063	LF	#4, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	1.62	
03 21 16 00-0064	LF	#5, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	2.46	
		For Up To 100, Add	*1.95*	
		For >100 To 200, Add	*1.02*	
		For >200 To 500, Add	*0.41*	
03 21 16 00-0065	LF	#6, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	3.44	
		For Up To 100, Add	*2.77*	
		For >100 To 200, Add	*1.44*	
		For >200 To 500, Add	*0.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0066	LF	#3, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	0.97	
		For Up To 100, Add	*0.75*	
		For >100 To 200, Add	*0.40*	
		For >200 To 500, Add	*0.16*	
03 21 16 00-0067	LF	#4, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	1.67	
		For Up To 100, Add	*1.32*	
		For >100 To 200, Add	*0.69*	
		For >200 To 500, Add	*0.28*	
03 21 16 00-0068	LF	#5, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	2.54	
		For Up To 100, Add	*2.03*	
		For >100 To 200, Add	*1.06*	
		For >200 To 500, Add	*0.42*	
03 21 16 00-0069	LF	#6, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	3.56	
		For Up To 100, Add	*2.89*	
		For >100 To 200, Add	*1.50*	
		For >200 To 500, Add	*0.60*	
03 21 16 00-0070	LF	#7, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	4.70	
		For Up To 100, Add	*2.97*	
		For >100 To 200, Add	*1.67*	
		For >200 To 400, Add	*0.80*	
03 21 16 00-0071	LF	#8, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	5.95	
		For Up To 100, Add	*3.81*	
		For >100 To 200, Add	*2.14*	
		For >200 To 400, Add	*1.03*	
03 21 16 00-0072	LF	#9, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	7.41	
		For Up To 100, Add	*4.80*	
		For >100 To 200, Add	*2.68*	
		For >200 To 400, Add	*1.29*	
03 21 16 00-0073	LF	#10, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	9.17	
		For Up To 100, Add	*4.85*	
		For >100 To 200, Add	*2.53*	
		For >200 To 300, Add	*1.27*	
03 21 16 00-0074	LF	#11, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	11.08	
		For Up To 100, Add	*5.91*	
		For >100 To 200, Add	*3.08*	
		For >200 To 300, Add	*1.54*	
03 21 16 00-0075	LF	#14, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	15.60	
		For Up To 100, Add	*8.40*	
		For >100 To 200, Add	*4.36*	
		For >200 To 300, Add	*2.18*	
03 21 16 00-0076	LF	#18, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	27.11	
		For Up To 100, Add	*14.75*	
		For >100 To 200, Add	*7.63*	
		For >200 To 300, Add	*3.81*	
03 21 16 00-0077	LF	#6, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	3.67	
		For Up To 100, Add	*3.00*	
		For >100 To 200, Add	*1.56*	
		For >200 To 500, Add	*0.62*	
03 21 16 00-0078	LF	#7, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	4.85	
		For Up To 100, Add	*3.09*	
		For >100 To 200, Add	*1.73*	
		For >200 To 400, Add	*0.83*	
03 21 16 00-0079	LF	#8, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	6.16	
		For Up To 100, Add	*3.97*	
		For >100 To 200, Add	*2.22*	
		For >200 To 400, Add	*1.07*	
03 21 16 00-0080	LF	#9, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	7.67	
		For Up To 100, Add	*5.00*	
		For >100 To 200, Add	*2.78*	
		For >200 To 400, Add	*1.35*	
03 21 16 00-0081	LF	#10, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	9.50	
		For Up To 100, Add	*5.04*	
		For >100 To 200, Add	*2.63*	
		For >200 To 300, Add	*1.32*	
03 21 16 00-0082	LF	#11, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	11.49	
		For Up To 100, Add	*6.16*	
		For >100 To 200, Add	*3.20*	
		For >200 To 300, Add	*1.60*	
03 21 16 00-0083	LF	#14, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	16.19	
		For Up To 100, Add	*8.76*	
		For >100 To 200, Add	*4.54*	
		For >200 To 300, Add	*2.27*	
03 21 16 00-0084	LF	#18, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	28.15	
		For Up To 100, Add	*15.38*	
		For >100 To 200, Add	*7.94*	
		For >200 To 300, Add	*3.97*	

03 21 16 00-0085 Slab On Grade, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0086	LF	#3, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	0.90	
		For Up To 100, Add	*0.70*	
		For >100 To 200, Add	*0.37*	
		For >200 To 500, Add	*0.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0087	LF	#4, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.55	
		For Up To 100, Add	*1.22*	
		For >100 To 200, Add	*0.64*	
		For >200 To 500, Add	*0.26*	
03 21 16 00-0088	LF	#5, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	2.35	
		For Up To 100, Add	*1.88*	
		For >100 To 200, Add	*0.98*	
		For >200 To 500, Add	*0.39*	
03 21 16 00-0089	LF	#6, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	3.28	
		For Up To 100, Add	*2.66*	
		For >100 To 200, Add	*1.38*	
		For >200 To 500, Add	*0.55*	
03 21 16 00-0090	LF	#3, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	0.92	
		For Up To 100, Add	*0.72*	
		For >100 To 200, Add	*0.38*	
		For >200 To 500, Add	*0.15*	
03 21 16 00-0091	LF	#4, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.58	
		For Up To 100, Add	*1.25*	
		For >100 To 200, Add	*0.65*	
		For >200 To 500, Add	*0.26*	
03 21 16 00-0092	LF	#5, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	2.40	
		For Up To 100, Add	*1.93*	
		For >100 To 200, Add	*1.00*	
		For >200 To 500, Add	*0.40*	
03 21 16 00-0093	LF	#6, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	3.36	
		For Up To 100, Add	*2.74*	
		For >100 To 200, Add	*1.42*	
		For >200 To 500, Add	*0.57*	
03 21 16 00-0094	LF	#3, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	0.95	
		For Up To 100, Add	*0.75*	
		For >100 To 200, Add	*0.39*	
		For >200 To 500, Add	*0.16*	
03 21 16 00-0095	LF	#4, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.63	
		For Up To 100, Add	*1.30*	
		For >100 To 200, Add	*0.68*	
		For >200 To 500, Add	*0.27*	
03 21 16 00-0096	LF	#5, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	2.48	
		For Up To 100, Add	*2.01*	
		For >100 To 200, Add	*1.04*	
		For >200 To 500, Add	*0.42*	
03 21 16 00-0097	LF	#6, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	3.48	
		For Up To 100, Add	*2.86*	
		For >100 To 200, Add	*1.48*	
		For >200 To 500, Add	*0.59*	
03 21 16 00-0098	LF	#7, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	4.62	
		For Up To 100, Add	*2.95*	
		For >100 To 200, Add	*1.65*	
		For >200 To 400, Add	*0.79*	
03 21 16 00-0099	LF	#8, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	5.85	
		For Up To 100, Add	*3.78*	
		For >100 To 200, Add	*2.11*	
		For >200 To 400, Add	*1.02*	
03 21 16 00-0100	LF	#9, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	7.30	
		For Up To 100, Add	*4.76*	
		For >100 To 200, Add	*2.65*	
		For >200 To 400, Add	*1.28*	
03 21 16 00-0101	LF	#10, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	9.04	
		For Up To 100, Add	*4.81*	
		For >100 To 200, Add	*2.51*	
		For >200 To 300, Add	*1.25*	
03 21 16 00-0102	LF	#11, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	10.94	
		For Up To 100, Add	*5.87*	
		For >100 To 200, Add	*3.05*	
		For >200 To 300, Add	*1.53*	
03 21 16 00-0103	LF	#14, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	15.41	
		For Up To 100, Add	*8.35*	
		For >100 To 200, Add	*4.32*	
		For >200 To 300, Add	*2.16*	
03 21 16 00-0104	LF	#18, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	26.81	
		For Up To 100, Add	*14.66*	
		For >100 To 200, Add	*7.57*	
		For >200 To 300, Add	*3.78*	
03 21 16 00-0105	LF	#6, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	3.59	
		For Up To 100, Add	*2.97*	
		For >100 To 200, Add	*1.54*	
		For >200 To 500, Add	*0.61*	
03 21 16 00-0106	LF	#7, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	4.77	
		For Up To 100, Add	*3.06*	
		For >100 To 200, Add	*1.71*	
		For >200 To 400, Add	*0.82*	
03 21 16 00-0107	LF	#8, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	6.06	
		For Up To 100, Add	*3.94*	
		For >100 To 200, Add	*2.20*	
		For >200 To 400, Add	*1.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0108	LF	#9, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	7.56	
		For Up To 100, Add	*4.96*	
		For >100 To 200, Add	*2.76*	
		For >200 To 400, Add	*1.33*	
03 21 16 00-0109	LF	#10, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	9.37	
		For Up To 100, Add	*5.00*	
		For >100 To 200, Add	*2.61*	
		For >200 To 300, Add	*1.30*	
03 21 16 00-0110	LF	#11, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	11.35	
		For Up To 100, Add	*6.11*	
		For >100 To 200, Add	*3.17*	
		For >200 To 300, Add	*1.59*	
03 21 16 00-0111	LF	#14, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	16.00	
		For Up To 100, Add	*8.70*	
		For >100 To 200, Add	*4.50*	
		For >200 To 300, Add	*2.25*	
03 21 16 00-0112	LF	#18, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	27.85	
		For Up To 100, Add	*15.29*	
		For >100 To 200, Add	*7.88*	
		For >200 To 300, Add	*3.94*	

03 21 16 00-0113 Elevated Slabs, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0114	LF	#3, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	0.85	
		For Up To 100, Add	*0.68*	
		For >100 To 200, Add	*0.35*	
		For >200 To 500, Add	*0.14*	
03 21 16 00-0115	LF	#4, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.48	
		For Up To 100, Add	*1.19*	
		For >100 To 200, Add	*0.62*	
		For >200 To 500, Add	*0.25*	
03 21 16 00-0116	LF	#5, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	2.25	
		For Up To 100, Add	*1.84*	
		For >100 To 200, Add	*0.95*	
		For >200 To 500, Add	*0.38*	
03 21 16 00-0117	LF	#6, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	3.15	
		For Up To 100, Add	*2.60*	
		For >100 To 200, Add	*1.35*	
		For >200 To 500, Add	*0.54*	
03 21 16 00-0118	LF	#3, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	0.87	
		For Up To 100, Add	*0.70*	
		For >100 To 200, Add	*0.36*	
		For >200 To 500, Add	*0.15*	
03 21 16 00-0119	LF	#4, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.51	
		For Up To 100, Add	*1.22*	
		For >100 To 200, Add	*0.64*	
		For >200 To 500, Add	*0.25*	
03 21 16 00-0120	LF	#5, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	2.30	
		For Up To 100, Add	*1.89*	
		For >100 To 200, Add	*0.98*	
		For >200 To 500, Add	*0.39*	
03 21 16 00-0121	LF	#6, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	3.23	
		For Up To 100, Add	*2.68*	
		For >100 To 200, Add	*1.39*	
		For >200 To 500, Add	*0.56*	
03 21 16 00-0122	LF	#3, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	0.90	
		For Up To 100, Add	*0.73*	
		For >100 To 200, Add	*0.38*	
		For >200 To 500, Add	*0.15*	
03 21 16 00-0123	LF	#4, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.56	
		For Up To 100, Add	*1.27*	
		For >100 To 200, Add	*0.66*	
		For >200 To 500, Add	*0.26*	
03 21 16 00-0124	LF	#5, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	2.38	
		For Up To 100, Add	*1.97*	
		For >100 To 200, Add	*1.02*	
		For >200 To 500, Add	*0.41*	
03 21 16 00-0125	LF	#6, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	3.35	
		For Up To 100, Add	*2.80*	
		For >100 To 200, Add	*1.45*	
		For >200 To 500, Add	*0.58*	
03 21 16 00-0126	LF	#7, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	4.46	
		For Up To 100, Add	*2.89*	
		For >100 To 200, Add	*1.61*	
		For >200 To 400, Add	*0.78*	
03 21 16 00-0127	LF	#8, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	5.65	
		For Up To 100, Add	*3.71*	
		For >100 To 200, Add	*2.06*	
		For >200 To 400, Add	*1.00*	
03 21 16 00-0128	LF	#9, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	7.08	
		For Up To 100, Add	*4.69*	
		For >100 To 200, Add	*2.60*	
		For >200 To 400, Add	*1.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0129	LF	#10, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	8.79	
		For Up To 100, Add	*4.73*	
		For >100 To 200, Add	*2.46*	
		For >200 To 300, Add	*1.23*	
03 21 16 00-0130	LF	#11, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	10.65	
		For Up To 100, Add	*5.78*	
		For >100 To 200, Add	*2.99*	
		For >200 To 300, Add	*1.50*	
03 21 16 00-0131	LF	#14, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	15.04	
		For Up To 100, Add	*8.24*	
		For >100 To 200, Add	*4.25*	
		For >200 To 300, Add	*2.12*	
03 21 16 00-0132	LF	#18, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	26.23	
		For Up To 100, Add	*14.49*	
		For >100 To 200, Add	*7.45*	
		For >200 To 300, Add	*3.73*	
03 21 16 00-0133	LF	#6, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	3.46	
		For Up To 100, Add	*2.91*	
		For >100 To 200, Add	*1.50*	
		For >200 To 500, Add	*0.60*	
03 21 16 00-0134	LF	#7, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	4.61	
		For Up To 100, Add	*3.00*	
		For >100 To 200, Add	*1.67*	
		For >200 To 400, Add	*0.81*	
03 21 16 00-0135	LF	#8, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	5.86	
		For Up To 100, Add	*3.87*	
		For >100 To 200, Add	*2.15*	
		For >200 To 400, Add	*1.04*	
03 21 16 00-0136	LF	#9, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	7.34	
		For Up To 100, Add	*4.88*	
		For >100 To 200, Add	*2.70*	
		For >200 To 400, Add	*1.31*	
03 21 16 00-0137	LF	#10, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	9.12	
		For Up To 100, Add	*4.93*	
		For >100 To 200, Add	*2.56*	
		For >200 To 300, Add	*1.28*	
03 21 16 00-0138	LF	#11, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	11.06	
		For Up To 100, Add	*6.03*	
		For >100 To 200, Add	*3.12*	
		For >200 To 300, Add	*1.56*	
03 21 16 00-0139	LF	#14, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	15.63	
		For Up To 100, Add	*8.59*	
		For >100 To 200, Add	*4.43*	
		For >200 To 300, Add	*2.21*	
03 21 16 00-0140	LF	#18, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	27.27	
		For Up To 100, Add	*15.11*	
		For >100 To 200, Add	*7.77*	
		For >200 To 300, Add	*3.88*	

03 21 16 00-0141 Walls, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0142	LF	#3, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar	0.83	
		For Up To 100, Add	*0.67*	
		For >100 To 200, Add	*0.35*	
		For >200 To 500, Add	*0.14*	
03 21 16 00-0143	LF	#4, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar	1.45	
		For Up To 100, Add	*1.18*	
		For >100 To 200, Add	*0.61*	
		For >200 To 500, Add	*0.25*	
03 21 16 00-0144	LF	#5, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar	2.20	
		For Up To 100, Add	*1.82*	
		For >100 To 200, Add	*0.94*	
		For >200 To 500, Add	*0.38*	
03 21 16 00-0145	LF	#6, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar	3.09	
		For Up To 100, Add	*2.58*	
		For >100 To 200, Add	*1.33*	
		For >200 To 500, Add	*0.53*	
03 21 16 00-0146	LF	#3, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar	0.85	
		For Up To 100, Add	*0.69*	
		For >100 To 200, Add	*0.36*	
		For >200 To 500, Add	*0.14*	
03 21 16 00-0147	LF	#4, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar	1.48	
		For Up To 100, Add	*1.21*	
		For >100 To 200, Add	*0.63*	
		For >200 To 500, Add	*0.25*	
03 21 16 00-0148	LF	#5, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar	2.25	
		For Up To 100, Add	*1.87*	
		For >100 To 200, Add	*0.97*	
		For >200 To 500, Add	*0.39*	
03 21 16 00-0149	LF	#6, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar	3.17	
		For Up To 100, Add	*2.66*	
		For >100 To 200, Add	*1.37*	
		For >200 To 500, Add	*0.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0150	LF	#3, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	0.88	
		For Up To 100, Add	*0.72*	
		For >100 To 200, Add	*0.37*	
		For >200 To 500, Add	*0.15*	
03 21 16 00-0151	LF	#4, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	1.53	
		For Up To 100, Add	*1.26*	
		For >100 To 200, Add	*0.65*	
		For >200 To 500, Add	*0.26*	
03 21 16 00-0152	LF	#5, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	2.33	
		For Up To 100, Add	*1.95*	
		For >100 To 200, Add	*1.01*	
		For >200 To 500, Add	*0.40*	
03 21 16 00-0153	LF	#6, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	3.29	
		For Up To 100, Add	*2.78*	
		For >100 To 200, Add	*1.43*	
		For >200 To 500, Add	*0.57*	
03 21 16 00-0154	LF	#7, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	4.36	
		For Up To 100, Add	*2.85*	
		For >100 To 200, Add	*1.59*	
		For >200 To 400, Add	*0.77*	
03 21 16 00-0155	LF	#8, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	5.57	
		For Up To 100, Add	*3.68*	
		For >100 To 200, Add	*2.04*	
		For >200 To 400, Add	*0.99*	
03 21 16 00-0156	LF	#9, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	6.97	
		For Up To 100, Add	*4.65*	
		For >100 To 200, Add	*2.57*	
		For >200 To 400, Add	*1.25*	
03 21 16 00-0157	LF	#10, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	8.66	
		For Up To 100, Add	*4.69*	
		For >100 To 200, Add	*2.43*	
		For >200 To 300, Add	*1.22*	
03 21 16 00-0158	LF	#11, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	10.51	
		For Up To 100, Add	*5.74*	
		For >100 To 200, Add	*2.96*	
		For >200 To 300, Add	*1.48*	
03 21 16 00-0159	LF	#14, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	14.85	
		For Up To 100, Add	*8.18*	
		For >100 To 200, Add	*4.21*	
		For >200 To 300, Add	*2.11*	
03 21 16 00-0160	LF	#18, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	25.93	
		For Up To 100, Add	*14.40*	
		For >100 To 200, Add	*7.39*	
		For >200 To 300, Add	*3.70*	
03 21 16 00-0161	LF	#6, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	3.40	
		For Up To 100, Add	*2.89*	
		For >100 To 200, Add	*1.49*	
		For >200 To 500, Add	*0.60*	
03 21 16 00-0162	LF	#7, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	4.51	
		For Up To 100, Add	*2.97*	
		For >100 To 200, Add	*1.65*	
		For >200 To 400, Add	*0.80*	
03 21 16 00-0163	LF	#8, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	5.78	
		For Up To 100, Add	*3.84*	
		For >100 To 200, Add	*2.13*	
		For >200 To 400, Add	*1.03*	
03 21 16 00-0164	LF	#9, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	7.23	
		For Up To 100, Add	*4.84*	
		For >100 To 200, Add	*2.67*	
		For >200 To 400, Add	*1.30*	
03 21 16 00-0165	LF	#10, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	8.99	
		For Up To 100, Add	*4.89*	
		For >100 To 200, Add	*2.53*	
		For >200 To 300, Add	*1.26*	
03 21 16 00-0166	LF	#11, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	10.92	
		For Up To 100, Add	*5.99*	
		For >100 To 200, Add	*3.09*	
		For >200 To 300, Add	*1.54*	
03 21 16 00-0167	LF	#14, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	15.44	
		For Up To 100, Add	*8.53*	
		For >100 To 200, Add	*4.39*	
		For >200 To 300, Add	*2.19*	
03 21 16 00-0168	LF	#18, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	26.97	
		For Up To 100, Add	*15.02*	
		For >100 To 200, Add	*7.71*	
		For >200 To 300, Add	*3.85*	

03 21 16 00-0169 Epoxy Coated Deformed Straight Dowels *(03 21 16)*

Note: Excludes drilling. See CSI section 02 41 19 13-0279 for drilling in concrete.

03 21 16 00-0170	EA	3/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	5.14	
		For Up To 12" Length, Deduct	*-0.69*	
		For >12" To <24" Length, Deduct	*-0.34*	
03 21 16 00-0171	EA	1/2" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	6.26	
		For Up To 12" Length, Deduct	*-1.04*	
		For >12" To <24" Length, Deduct	*-0.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0172	EA	5/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	7.97	
		For Up To 12" Length, Deduct	*-1.55*	
		For >12" To <24" Length, Deduct	*-0.78*	
03 21 16 00-0173	EA	3/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	10.01	
		For Up To 12" Length, Deduct	*-2.06*	
		For >12" To <24" Length, Deduct	*-1.03*	
03 21 16 00-0174	EA	7/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	12.33	
		For Up To 12" Length, Deduct	*-2.81*	
		For >12" To <24" Length, Deduct	*-1.41*	
03 21 16 00-0175	EA	1" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	14.50	
		For Up To 12" Length, Deduct	*-3.46*	
		For >12" To <24" Length, Deduct	*-1.73*	
03 21 16 00-0176	EA	1-1/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	17.21	
		For Up To 12" Length, Deduct	*-4.19*	
		For >12" To <24" Length, Deduct	*-2.09*	
03 21 16 00-0177	EA	1-1/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	20.74	
		For Up To 12" Length, Deduct	*-5.07*	
		For >12" To <24" Length, Deduct	*-2.54*	

03 22 Fabric and Grid Reinforcing *(03 20)*

03 22 11 Plain Steel Welded Wire Fabric Reinforcing *(03 22)*

Note: Includes cutting, tie wire, tying, overlap, bar chairs and all non-mechanical splicing.

03 22 11 00-0001 Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs *(03 22 11)*

Note: Includes bar chairs. Under 5 tons. ASTM A-185

03 22 11 00-0002	SF	6" x 6" x #10, 21 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4)	0.85	
		For >5 Ton, Deduct	*-0.13*	
03 22 11 00-0003	SF	6" x 6" x #8, 30 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1)	0.97	
		For >5 Ton, Deduct	*-0.15*	
03 22 11 00-0004	SF	6" x 6" x #6, 42 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9)	1.11	
		For >5 Ton, Deduct	*-0.16*	
03 22 11 00-0005	SF	6" x 6" x #4, 58 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0)	1.30	
		For >5 Ton, Deduct	*-0.19*	
03 22 11 00-0006	SF	4" x 4" x #10, 31 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4)	1.02	
		For >5 Ton, Deduct	*-0.15*	
03 22 11 00-0007	SF	4" x 4" x #8, 44 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1)	1.15	
		For >5 Ton, Deduct	*-0.17*	
03 22 11 00-0008	SF	4" x 4" x #6, 62 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9)	1.43	
		For >5 Ton, Deduct	*-0.20*	
03 22 11 00-0009	SF	4" x 4" x #4, 85 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0)	1.67	
		For >5 Ton, Deduct	*-0.23*	
03 22 11 00-0010	SF	2" x 2" x #12, 37 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W0.9 x W0.9)	1.55	
		For >5 Ton, Deduct	*-0.20*	
03 22 11 00-0011	SF	2" x 2" x #10, 60 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4)	2.13	
		For >5 Ton, Deduct	*-0.27*	
03 22 11 00-0012	SF	2" x 2" x #8, 88 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1)	2.87	
		For >5 Ton, Deduct	*-0.35*	
03 22 11 00-0013	SF	6" x 12" (AWG #0 x AWG #3) Plain Welded Wire Fabric Reinforcing In Slabs, (W 7.4 x 4.7)	1.43	
		For >5 Ton, Deduct	*-0.20*	

03 22 13 Galvanized Welded Wire Fabric Reinforcing *(03 22)*

03 22 13 00-0001 Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs *(03 22 13)*

Note: Includes bar chairs. Under 5 tons.

03 22 13 00-0002	SF	6" x 6" x #10, 21 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4)	0.94	
		For >5 Ton, Deduct	*-0.14*	
03 22 13 00-0003	SF	6" x 6" x #8, 29 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1)	1.08	
		For >5 Ton, Deduct	*-0.16*	
03 22 13 00-0004	SF	6" x 6" x #6, 42 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9)	1.25	
		For >5 Ton, Deduct	*-0.18*	
03 22 13 00-0005	SF	6" x 6" x #4, 58 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0)	1.50	
		For >5 Ton, Deduct	*-0.21*	
03 22 13 00-0006	SF	4" x 4" x #10, 31 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4)	1.15	
		For >5 Ton, Deduct	*-0.16*	
03 22 13 00-0007	SF	4" x 4" x #8, 43 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1)	1.31	
		For >5 Ton, Deduct	*-0.18*	
03 22 13 00-0008	SF	4" x 4" x #6, 62 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9)	1.69	
		For >5 Ton, Deduct	*-0.22*	
03 22 13 00-0009	SF	4" x 4" x #4, 85 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0)	1.99	
		For >5 Ton, Deduct	*-0.26*	

03 22 13 00-0010 Galvanized Welded Wire Reinforcement Wrap Placed In Beams And Columns *(03 22 13)*

Note: Includes bar chairs. Under 5 tons.

03 22 13 00-0011	SF	2" x 2" x #14, 21 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Wrap Placed In Beams And Columns (W0.5 x W0.5)	3.34	
		For >5 Ton, Deduct	*-0.52*	

03 22 16 Epoxy-Coated Welded Wire Fabric Reinforcing *(03 22)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 22 16 00-0001		Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs *(03 22 16)*		
		Note: Includes bar chairs. Under 5 tons.		
03 22 16 00-0002	SF	6" x 6" x #10, 21 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4)	0.93	
		For >5 Ton, Deduct	*-0.14*	
03 22 16 00-0003	SF	6" x 6" x #8, 29 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1)	1.07	
		For >5 Ton, Deduct	*-0.16*	
03 22 16 00-0004	SF	6" x 6" x #6, 42 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9)	1.23	
		For >5 Ton, Deduct	*-0.18*	
03 22 16 00-0005	SF	6" x 6" x #4, 58 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0)	1.48	
		For >5 Ton, Deduct	*-0.20*	
03 22 16 00-0006	SF	4" x 4" x #10, 31 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4)	1.13	
		For >5 Ton, Deduct	*-0.16*	
03 22 16 00-0007	SF	4" x 4" x #8, 43 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1)	1.29	
		For >5 Ton, Deduct	*-0.18*	
03 22 16 00-0008	SF	4" x 4" x #6, 62 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9)	1.66	
		For >5 Ton, Deduct	*-0.22*	
03 22 16 00-0009	SF	4" x 4" x #4, 85 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0)	1.95	
		For >5 Ton, Deduct	*-0.26*	

03 22 23 Stainless Steel Welded Wire Fabric Reinforcing *(03 22)*

Note: Includes cutting, tie wire, tying, overlap, bar chairs and all non-mechanical splicing.

03 22 23 00-0001		Stainless Steel Welded Wire Fabric Reinforcing Placed In Floors Or Slabs *(03 22 23)*		
03 22 23 00-0002	SF	6" x 6" x #10, Stainless Steel Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.54	
03 22 23 00-0003	SF	4" x 4" x #10, Stainless Steel Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.97	

03 30 Cast-In-Place Concrete *(03)*

See CSI section 01 74 19 00-0041 for hauling over 15 miles.

03 30 53 Miscellaneous Cast-in-Place Concrete *(03 30)*

03 30 53 00-0001		Place Concrete Duct Bank *(03 30 53)*		
03 30 53 00-0002	CY	Direct Chute, Place 3,000 PSI Concrete Duct Bank	217.78	
		For 2,000 PSI Concrete, Deduct	*-9.73*	
		For 2,500 PSI Concrete, Deduct	*-4.87*	
		For 3,500 PSI Concrete, Add	*9.01*	
		For 3,750 PSI Concrete, Add	*12.25*	
		For 4,000 PSI Concrete, Add	*15.50*	
		For 4,500 PSI Concrete, Add	*18.02*	
		For 5,000 PSI Concrete, Add	*20.54*	
		For 6,000 PSI Concrete, Add	*48.66*	
		For White Cement Concrete, Add	*21.63*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.43*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.02*	
		For Lightweight Aggregate, ASTM C330, Add	*63.07*	
		For Up To 20, Add	*15.03*	
		For >20 To 50, Add	*5.64*	
		For >100 To 200, Deduct	*-4.36*	
		For >200 To 400, Deduct	*-8.71*	
		For >400, Deduct	*-13.07*	

03 30 53 00-0003		Place Concrete Thrust Blocks And Backfill *(03 30 53)*		
03 30 53 00-0004	CY	Direct Chute, Place 3,000 PSI Concrete Thrust Blocks	265.04	
		For 2,000 PSI Concrete, Deduct	*-9.73*	
		For 2,500 PSI Concrete, Deduct	*-4.87*	
		For 3,500 PSI Concrete, Add	*9.01*	
		For 3,750 PSI Concrete, Add	*12.25*	
		For 4,000 PSI Concrete, Add	*15.50*	
		For 4,500 PSI Concrete, Add	*18.02*	
		For 5,000 PSI Concrete, Add	*20.54*	
		For 6,000 PSI Concrete, Add	*48.66*	
		For White Cement Concrete, Add	*21.63*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.43*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.02*	
		For Lightweight Aggregate, ASTM C330, Add	*63.07*	
		For Up To 20, Add	*33.93*	
		For >20 To 50, Add	*12.72*	
		For >100 To 200, Deduct	*-5.30*	
		For >200 To 400, Deduct	*-10.60*	
		For >400, Deduct	*-15.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 30 53 00-0005	CY	Concrete Pump, Place 3,000 PSI Concrete Thrust Blocks Note: Excludes pumping equipment.	265.08	
		For 2,000 PSI Concrete, Deduct	*-10.54*	
		For 2,500 PSI Concrete, Deduct	*-5.27*	
		For 3,500 PSI Concrete, Add	*9.76*	
		For 3,750 PSI Concrete, Add	*13.27*	
		For 4,000 PSI Concrete, Add	*16.79*	
		For 4,500 PSI Concrete, Add	*19.52*	
		For 5,000 PSI Concrete, Add	*22.26*	
		For 6,000 PSI Concrete, Add	*52.71*	
		For White Cement Concrete, Add	*23.43*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.38*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.52*	
		For Lightweight Aggregate, ASTM C330, Add	*68.33*	

03 30 53 00-0006 Place Concrete Slurry *(03 30 53)*

03 30 53 00-0007	CY	Direct Chute, Place Two Sack Cement, Concrete Slurry Note: Two 94# sack cement per CY.	202.59	
03 30 53 00-0008	CY	Concrete Pump, Place Two Sack Cement, Concrete Slurry Note: Two 94# sack cement per CY. Excludes pumping equipment.	195.10	
03 30 53 00-0009	CY	Direct Chute, Place One Sack Cement, Concrete Slurry Note: One 94# sack cement per CY.	178.93	
03 30 53 00-0010	CY	Concrete Pump, Place One Sack Cement, Concrete Slurry Note: One 94# sack cement per CY. Excludes pumping equipment.	171.44	

03 30 53 00-0011 Hand Mix And Place Concrete *(03 30 53)*

03 30 53 00-0012	CF	Hand Mix And Place 3,000 PSI Concrete Note: For use where conventional equipment access is limited or when directed by the owner. Includes local aggregate, sand, bagged cement (Type I) and water.	20.52	
		For Up To 25 CF, Add	*2.44*	
		For 2,000 PSI Concrete, Deduct	*-0.42*	
		For 2,500 PSI Concrete, Deduct	*-0.21*	
		For 3,500 PSI Concrete, Add	*0.39*	
		For 3,750 PSI Concrete, Add	*0.52*	
		For 4,000 PSI Concrete, Add	*0.66*	
		For 4,500 PSI Concrete, Add	*0.77*	
		For 5,000 PSI Concrete, Add	*0.88*	
		For 6,000 PSI Concrete, Add	*2.08*	
		For White Cement Concrete, Add	*0.92*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*1.00*	
		For High Early Strength, Type 3 ASTM C150, Add	*0.77*	
		For Lightweight Aggregate, ASTM C330, Add	*2.70*	

03 31 Structural Concrete *(03 30)*

03 31 13 Heavyweight Structural Concrete *(03 31)*

Note: Includes delivery, fuel charge and placement of material. See CSI section 02 41 00 00-0000 for demolition, 03 05 13 00-0001 for admixtures, 03 11 00 00-0000 for forming, 03 20 00 00-0000 for reinforcing, 03 31 13 00-0086 for small concrete purchases (short load), 03 35 00 00-0000 for finishing, 03 39 00 00-0000 for curing.

03 31 13 00-0001 Concrete Slab Assemblies *(03 31 13)*

03 31 13 00-0002 3,000 PSI Slab On Grade Concrete Slabs Assemblies *(03 31 13 00-0001)*

Note: Includes forms, welded wire reinforcement (where necessary), #3 to #6 reinforcing rods at 12" on center each way with chairs (where necessary), vapor barrier, concrete, curing, latex or hot asphalt expansion joints, control joints, screed, float, and finish for pedestrian slabs. Excludes excavation, base, earthwork, and expansion joints along existing slab. See CSI section 03 05 13 00-0001 for color additive alternative, 03 37 16 00-0001 for concrete pumping equipment.

03 31 13 00-0003	SF	4" 3,000 PSI Slab On Grade Concrete Slab Assembly	8.66	
		For 2,000 PSI Concrete, Deduct	*-0.24*	
		For 2,500 PSI Concrete, Deduct	*-0.12*	
		For 3,500 PSI Concrete, Add	*0.08*	
		For 4,000 PSI Concrete, Add	*0.28*	
		For 4,500 PSI Concrete, Add	*0.35*	
		For 5,000 PSI Concrete, Add	*0.40*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.58*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.86*	
		For Up To 500, Add	*3.45*	
		For >500 To 1,000, Add	*2.37*	
		For >1,000 To 2,000, Add	*1.30*	
		For >2,000 To 5,000, Add	*0.65*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000 To 35,000, Deduct	*-0.44*	
		For >35,000 To 50,000, Deduct	*-0.65*	
		For >50,000 To 70,000, Deduct	*-0.87*	
		For >70,000, Deduct	*-1.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0004	SF	5" 3,000 PSI Slab On Grade Concrete Slab Assembly	9.46	
		For 2,000 PSI Concrete, Deduct	*-0.27*	
		For 2,500 PSI Concrete, Deduct	*-0.13*	
		For 3,500 PSI Concrete, Add	*0.09*	
		For 4,000 PSI Concrete, Add	*0.31*	
		For 4,500 PSI Concrete, Add	*0.39*	
		For 5,000 PSI Concrete, Add	*0.45*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.58*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.86*	
		For Up To 500, Add	*3.69*	
		For >500 To 1,000, Add	*2.54*	
		For >1,000 To 2,000, Add	*1.40*	
		For >2,000 To 5,000, Add	*0.70*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000 To 35,000, Deduct	*-0.49*	
		For >35,000 To 50,000, Deduct	*-0.72*	
		For >50,000 To 70,000, Deduct	*-0.96*	
		For >70,000, Deduct	*-1.19*	
03 31 13 00-0005	SF	6" 3,000 PSI Slab On Grade Concrete Slab Assembly	10.60	
		For 2,000 PSI Concrete, Deduct	*-0.31*	
		For 2,500 PSI Concrete, Deduct	*-0.16*	
		For 3,500 PSI Concrete, Add	*0.11*	
		For 4,000 PSI Concrete, Add	*0.37*	
		For 4,500 PSI Concrete, Add	*0.46*	
		For 5,000 PSI Concrete, Add	*0.53*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.58*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.86*	
		For Up To 500, Add	*4.04*	
		For >500 To 1,000, Add	*2.79*	
		For >1,000 To 2,000, Add	*1.54*	
		For >2,000 To 5,000, Add	*0.77*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000 To 35,000, Deduct	*-0.56*	
		For >35,000 To 50,000, Deduct	*-0.82*	
		For >50,000 To 70,000, Deduct	*-1.09*	
		For >70,000, Deduct	*-1.35*	
03 31 13 00-0006	SF	7" 3,000 PSI Slab On Grade Concrete Slab Assembly	11.67	
		For 2,000 PSI Concrete, Deduct	*-0.36*	
		For 2,500 PSI Concrete, Deduct	*-0.18*	
		For 3,500 PSI Concrete, Add	*0.13*	
		For 4,000 PSI Concrete, Add	*0.42*	
		For 4,500 PSI Concrete, Add	*0.53*	
		For 5,000 PSI Concrete, Add	*0.61*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.58*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.86*	
		For Up To 500, Add	*4.33*	
		For >500 To 1,000, Add	*3.00*	
		For >1,000 To 2,000, Add	*1.67*	
		For >2,000 To 5,000, Add	*0.83*	
		For >10,000 To 20,000, Deduct	*-0.33*	
		For >20,000 To 35,000, Deduct	*-0.63*	
		For >35,000 To 50,000, Deduct	*-0.92*	
		For >50,000 To 70,000, Deduct	*-1.21*	
		For >70,000, Deduct	*-1.50*	
03 31 13 00-0007	SF	8" 3,000 PSI Slab On Grade Concrete Slab Assembly	12.59	
		For 2,000 PSI Concrete, Deduct	*-0.40*	
		For 2,500 PSI Concrete, Deduct	*-0.20*	
		For 3,500 PSI Concrete, Add	*0.14*	
		For 4,000 PSI Concrete, Add	*0.47*	
		For 4,500 PSI Concrete, Add	*0.58*	
		For 5,000 PSI Concrete, Add	*0.67*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.58*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.86*	
		For Up To 500, Add	*4.59*	
		For >500 To 1,000, Add	*3.19*	
		For >1,000 To 2,000, Add	*1.78*	
		For >2,000 To 5,000, Add	*0.89*	
		For >10,000 To 20,000, Deduct	*-0.37*	
		For >20,000 To 35,000, Deduct	*-0.68*	
		For >35,000 To 50,000, Deduct	*-1.00*	
		For >50,000 To 70,000, Deduct	*-1.31*	
		For >70,000, Deduct	*-1.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0008	SF	10" 3,000 PSI Slab On Grade Concrete Slab Assembly	14.93	
		For 2,000 PSI Concrete, Deduct	*-0.50*	
		For 2,500 PSI Concrete, Deduct	*-0.25*	
		For 3,500 PSI Concrete, Add	*0.18*	
		For 4,000 PSI Concrete, Add	*0.59*	
		For 4,500 PSI Concrete, Add	*0.74*	
		For 5,000 PSI Concrete, Add	*0.85*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.58*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.86*	
		For Up To 500, Add	*5.22*	
		For >500 To 1,000, Add	*3.64*	
		For >1,000 To 2,000, Add	*2.05*	
		For >2,000 To 5,000, Add	*1.03*	
		For >10,000 To 20,000, Deduct	*-0.47*	
		For >20,000 To 35,000, Deduct	*-0.84*	
		For >35,000 To 50,000, Deduct	*-1.21*	
		For >50,000 To 70,000, Deduct	*-1.59*	
		For >70,000, Deduct	*-1.96*	
03 31 13 00-0009	SF	12" 3,000 PSI Slab On Grade Concrete Slab Assembly	16.75	
		For 2,000 PSI Concrete, Deduct	*-0.58*	
		For 2,500 PSI Concrete, Deduct	*-0.29*	
		For 3,500 PSI Concrete, Add	*0.20*	
		For 4,000 PSI Concrete, Add	*0.68*	
		For 4,500 PSI Concrete, Add	*0.85*	
		For 5,000 PSI Concrete, Add	*0.98*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.58*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.86*	
		For Up To 500, Add	*5.74*	
		For >500 To 1,000, Add	*4.01*	
		For >1,000 To 2,000, Add	*2.27*	
		For >2,000 To 5,000, Add	*1.14*	
		For >10,000 To 20,000, Deduct	*-0.54*	
		For >20,000 To 35,000, Deduct	*-0.96*	
		For >35,000 To 50,000, Deduct	*-1.38*	
		For >50,000 To 70,000, Deduct	*-1.79*	
		For >70,000, Deduct	*-2.21*	

03 31 13 00-0010 Concrete Delivery And Placement *(03 31 13)*

Note: Includes cleaning out equipment and standard concrete placement tests. See CSI section 01 45 23 00-0000 for additional tests, 03 05 13 00-0001 for admixtures.

03 31 13 00-0011 Place Concrete By Method Indicated *(03 31 13 00-0010)*

Note: Tasks for concrete placement "By Concrete Pump" exclude the pumping equipment. See CSI section 03 37 16 00-0001 for concrete pumping equipment.

03 31 13 00-0012 Place Concrete Pile Caps *(03 31 13 00-0011)*

03 31 13 00-0013	CY	Crane And Bucket, Place 3,000 PSI Concrete Pile Caps	318.12	
		For 2,000 PSI Concrete, Deduct	*-9.73*	
		For 2,500 PSI Concrete, Deduct	*-4.87*	
		For 3,500 PSI Concrete, Add	*9.01*	
		For 3,750 PSI Concrete, Add	*12.25*	
		For 4,000 PSI Concrete, Add	*15.50*	
		For 4,500 PSI Concrete, Add	*18.02*	
		For 5,000 PSI Concrete, Add	*20.54*	
		For 6,000 PSI Concrete, Add	*48.66*	
		For White Cement Concrete, Add	*21.63*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.43*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.02*	
		For Lightweight Aggregate, ASTM C330, Add	*63.07*	
		For Up To 20, Add	*55.16*	
		For >20 To 50, Add	*20.69*	
		For >100 To 200, Deduct	*-6.36*	
		For >200 To 400, Deduct	*-12.72*	
		For >400, Deduct	*-19.09*	
03 31 13 00-0014	CY	Direct Chute, Place 3,000 PSI Concrete Pile Caps	242.58	
		For 2,000 PSI Concrete, Deduct	*-9.73*	
		For 2,500 PSI Concrete, Deduct	*-4.87*	
		For 3,500 PSI Concrete, Add	*9.01*	
		For 3,750 PSI Concrete, Add	*12.25*	
		For 4,000 PSI Concrete, Add	*15.50*	
		For 4,500 PSI Concrete, Add	*18.02*	
		For 5,000 PSI Concrete, Add	*20.54*	
		For 6,000 PSI Concrete, Add	*48.66*	
		For White Cement Concrete, Add	*21.63*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.43*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.02*	
		For Lightweight Aggregate, ASTM C330, Add	*63.07*	
		For Up To 20, Add	*24.95*	
		For >20 To 50, Add	*9.36*	
		For >100 To 200, Deduct	*-4.85*	
		For >200 To 400, Deduct	*-9.70*	
		For >400, Deduct	*-14.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0015	CY	Concrete Pump, Place 3,000 PSI Concrete Pile Caps	254.62	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-10.54*	
		For 2,500 PSI Concrete, Deduct	*-5.27*	
		For 3,500 PSI Concrete, Add	*9.76*	
		For 3,750 PSI Concrete, Add	*13.27*	
		For 4,000 PSI Concrete, Add	*16.79*	
		For 4,500 PSI Concrete, Add	*19.52*	
		For 5,000 PSI Concrete, Add	*22.26*	
		For 6,000 PSI Concrete, Add	*52.71*	
		For White Cement Concrete, Add	*23.43*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.38*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.52*	
		For Lightweight Aggregate, ASTM C330, Add	*68.33*	
		For Up To 20, Add	*23.76*	
		For >20 To 50, Add	*8.91*	
		For >100 To 200, Deduct	*-5.09*	
		For >200 To 400, Deduct	*-10.18*	
		For >400, Deduct	*-15.28*	

03 31 13 00-0016 Place Concrete Continuous Footings *(03 31 13 00-0011)*

03 31 13 00-0017	CY	Crane And Bucket, Place 3,000 PSI Concrete Continuous Footings	302.79	
		For 2,000 PSI Concrete, Deduct	*-9.73*	
		For 2,500 PSI Concrete, Deduct	*-4.87*	
		For 3,500 PSI Concrete, Add	*9.01*	
		For 3,750 PSI Concrete, Add	*12.25*	
		For 4,000 PSI Concrete, Add	*15.50*	
		For 4,500 PSI Concrete, Add	*18.02*	
		For 5,000 PSI Concrete, Add	*20.54*	
		For 6,000 PSI Concrete, Add	*48.66*	
		For White Cement Concrete, Add	*21.63*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.43*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.02*	
		For Lightweight Aggregate, ASTM C330, Add	*63.07*	
		For Up To 20, Add	*49.03*	
		For >20 To 50, Add	*18.39*	
		For >100 To 200, Deduct	*-6.06*	
		For >200 To 400, Deduct	*-12.11*	
		For >400, Deduct	*-18.17*	
03 31 13 00-0018	CY	Direct Chute, Place 3,000 PSI Concrete Continuous Footings	235.66	
		For 2,000 PSI Concrete, Deduct	*-9.73*	
		For 2,500 PSI Concrete, Deduct	*-4.87*	
		For 3,500 PSI Concrete, Add	*9.01*	
		For 3,750 PSI Concrete, Add	*12.25*	
		For 4,000 PSI Concrete, Add	*15.50*	
		For 4,500 PSI Concrete, Add	*18.02*	
		For 5,000 PSI Concrete, Add	*20.54*	
		For 6,000 PSI Concrete, Add	*48.66*	
		For White Cement Concrete, Add	*21.63*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.43*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.02*	
		For Lightweight Aggregate, ASTM C330, Add	*63.07*	
		For Up To 20, Add	*22.18*	
		For >20 To 50, Add	*8.32*	
		For >100 To 200, Deduct	*-4.71*	
		For >200 To 400, Deduct	*-9.43*	
		For >400, Deduct	*-14.14*	
03 31 13 00-0019	CY	Concrete Pump, Place 3,000 PSI Concrete Continuous Footings	248.03	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-10.54*	
		For 2,500 PSI Concrete, Deduct	*-5.27*	
		For 3,500 PSI Concrete, Add	*9.76*	
		For 3,750 PSI Concrete, Add	*13.27*	
		For 4,000 PSI Concrete, Add	*16.79*	
		For 4,500 PSI Concrete, Add	*19.52*	
		For 5,000 PSI Concrete, Add	*22.26*	
		For 6,000 PSI Concrete, Add	*52.71*	
		For White Cement Concrete, Add	*23.43*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.38*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.52*	
		For Lightweight Aggregate, ASTM C330, Add	*68.33*	
		For Up To 20, Add	*21.12*	
		For >20 To 50, Add	*7.92*	
		For >100 To 200, Deduct	*-4.96*	
		For >200 To 400, Deduct	*-9.92*	
		For >400, Deduct	*-14.88*	

03 31 13 00-0020 Place Concrete Spread Footings *(03 31 13 00-0011)*

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0021	CY	Crane And Bucket, Place 3,000 PSI Concrete Spread Footings	387.07	
		For 2,000 PSI Concrete, Deduct	*-9.73*	
		For 2,500 PSI Concrete, Deduct	*-4.87*	
		For 3,500 PSI Concrete, Add	*9.01*	
		For 3,750 PSI Concrete, Add	*12.25*	
		For 4,000 PSI Concrete, Add	*15.50*	
		For 4,500 PSI Concrete, Add	*18.02*	
		For 5,000 PSI Concrete, Add	*20.54*	
		For 6,000 PSI Concrete, Add	*48.66*	
		For White Cement Concrete, Add	*21.63*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.43*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.02*	
		For Lightweight Aggregate, ASTM C330, Add	*63.07*	
		For Up To 20, Add	*82.74*	
		For >20 To 50, Add	*31.03*	
		For >100 To 200, Deduct	*-7.74*	
		For >200 To 400, Deduct	*-15.48*	
		For >400, Deduct	*-23.22*	
03 31 13 00-0022	CY	Direct Chute, Place 3,000 PSI Concrete Spread Footings	273.77	
		For 2,000 PSI Concrete, Deduct	*-9.73*	
		For 2,500 PSI Concrete, Deduct	*-4.87*	
		For 3,500 PSI Concrete, Add	*9.01*	
		For 3,750 PSI Concrete, Add	*12.25*	
		For 4,000 PSI Concrete, Add	*15.50*	
		For 4,500 PSI Concrete, Add	*18.02*	
		For 5,000 PSI Concrete, Add	*20.54*	
		For 6,000 PSI Concrete, Add	*48.66*	
		For White Cement Concrete, Add	*21.63*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.43*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.02*	
		For Lightweight Aggregate, ASTM C330, Add	*63.07*	
		For Up To 20, Add	*37.42*	
		For >20 To 50, Add	*14.03*	
		For >100 To 200, Deduct	*-5.48*	
		For >200 To 400, Deduct	*-10.95*	
		For >400, Deduct	*-16.43*	
03 31 13 00-0023	CY	Concrete Pump, Place 3,000 PSI Concrete Spread Footings Note: Excludes pumping equipment.	284.33	
		For 2,000 PSI Concrete, Deduct	*-10.54*	
		For 2,500 PSI Concrete, Deduct	*-5.27*	
		For 3,500 PSI Concrete, Add	*9.76*	
		For 3,750 PSI Concrete, Add	*13.27*	
		For 4,000 PSI Concrete, Add	*16.79*	
		For 4,500 PSI Concrete, Add	*19.52*	
		For 5,000 PSI Concrete, Add	*22.26*	
		For 6,000 PSI Concrete, Add	*52.71*	
		For White Cement Concrete, Add	*23.43*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.38*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.52*	
		For Lightweight Aggregate, ASTM C330, Add	*68.33*	
		For Up To 20, Add	*35.64*	
		For >20 To 50, Add	*13.37*	
		For >100 To 200, Deduct	*-5.69*	
		For >200 To 400, Deduct	*-11.37*	
		For >400, Deduct	*-17.06*	

03 31 13 00-0024 Place Concrete Mat Foundation *(03 31 13 00-0011)*

03 31 13 00-0025	CY	Crane And Bucket, Place 3,000 PSI Concrete Mat Foundation	216.99	
		For 2,000 PSI Concrete, Deduct	*-9.73*	
		For 2,500 PSI Concrete, Deduct	*-4.87*	
		For 3,500 PSI Concrete, Add	*9.01*	
		For 3,750 PSI Concrete, Add	*12.25*	
		For 4,000 PSI Concrete, Add	*15.50*	
		For 4,500 PSI Concrete, Add	*18.02*	
		For 5,000 PSI Concrete, Add	*20.54*	
		For 6,000 PSI Concrete, Add	*48.66*	
		For White Cement Concrete, Add	*21.63*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.43*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.02*	
		For Lightweight Aggregate, ASTM C330, Add	*63.07*	
		For Up To 20, Add	*14.71*	
		For >20 To 50, Add	*5.52*	
		For >100 To 200, Deduct	*-4.34*	
		For >200 To 400, Deduct	*-8.68*	
		For >400, Deduct	*-13.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0026	CY	Direct Chute, Place 3,000 PSI Concrete Mat Foundation	196.84	
		For 2,000 PSI Concrete, Deduct	*-9.73*	
		For 2,500 PSI Concrete, Deduct	*-4.87*	
		For 3,500 PSI Concrete, Add	*9.01*	
		For 3,750 PSI Concrete, Add	*12.25*	
		For 4,000 PSI Concrete, Add	*15.50*	
		For 4,500 PSI Concrete, Add	*18.02*	
		For 5,000 PSI Concrete, Add	*20.54*	
		For 6,000 PSI Concrete, Add	*48.66*	
		For White Cement Concrete, Add	*21.63*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.43*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.02*	
		For Lightweight Aggregate, ASTM C330, Add	*63.07*	
		For Up To 20, Add	*6.65*	
		For >20 To 50, Add	*2.49*	
		For >100 To 200, Deduct	*-3.94*	
		For >200 To 400, Deduct	*-7.87*	
		For >400, Deduct	*-11.81*	
03 31 13 00-0027	CY	Concrete Pump, Place 3,000 PSI Concrete Mat Foundation Note: Excludes pumping equipment.	209.08	
		For 2,000 PSI Concrete, Deduct	*-10.54*	
		For 2,500 PSI Concrete, Deduct	*-5.27*	
		For 3,500 PSI Concrete, Add	*9.76*	
		For 3,750 PSI Concrete, Add	*13.27*	
		For 4,000 PSI Concrete, Add	*16.79*	
		For 4,500 PSI Concrete, Add	*19.52*	
		For 5,000 PSI Concrete, Add	*22.26*	
		For 6,000 PSI Concrete, Add	*52.71*	
		For White Cement Concrete, Add	*23.43*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.38*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.52*	
		For Lightweight Aggregate, ASTM C330, Add	*68.33*	
		For Up To 20, Add	*5.54*	
		For >20 To 50, Add	*2.08*	
		For >100 To 200, Deduct	*-4.18*	
		For >200 To 400, Deduct	*-8.36*	
		For >400, Deduct	*-12.54*	

03 31 13 00-0028 Place Concrete Grade Beams *(03 31 13 00-0011)*

03 31 13 00-0029	CY	Crane And Bucket, Place 3,000 PSI Concrete Grade Beams	278.28	
		For 2,000 PSI Concrete, Deduct	*-9.73*	
		For 2,500 PSI Concrete, Deduct	*-4.87*	
		For 3,500 PSI Concrete, Add	*9.01*	
		For 3,750 PSI Concrete, Add	*12.25*	
		For 4,000 PSI Concrete, Add	*15.50*	
		For 4,500 PSI Concrete, Add	*18.02*	
		For 5,000 PSI Concrete, Add	*20.54*	
		For 6,000 PSI Concrete, Add	*48.66*	
		For White Cement Concrete, Add	*21.63*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.43*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.02*	
		For Lightweight Aggregate, ASTM C330, Add	*63.07*	
		For Up To 20, Add	*39.23*	
		For >20 To 50, Add	*14.71*	
		For >100 To 200, Deduct	*-5.57*	
		For >200 To 400, Deduct	*-11.13*	
		For >400, Deduct	*-16.70*	
03 31 13 00-0030	CY	Direct Chute, Place 3,000 PSI Concrete Grade Beams	224.56	
		For 2,000 PSI Concrete, Deduct	*-9.73*	
		For 2,500 PSI Concrete, Deduct	*-4.87*	
		For 3,500 PSI Concrete, Add	*9.01*	
		For 3,750 PSI Concrete, Add	*12.25*	
		For 4,000 PSI Concrete, Add	*15.50*	
		For 4,500 PSI Concrete, Add	*18.02*	
		For 5,000 PSI Concrete, Add	*20.54*	
		For 6,000 PSI Concrete, Add	*48.66*	
		For White Cement Concrete, Add	*21.63*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.43*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.02*	
		For Lightweight Aggregate, ASTM C330, Add	*63.07*	
		For Up To 20, Add	*17.74*	
		For >20 To 50, Add	*6.65*	
		For >100 To 200, Deduct	*-4.49*	
		For >200 To 400, Deduct	*-8.98*	
		For >400, Deduct	*-13.47*	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0031	CY	Concrete Pump, Place 3,000 PSI Concrete Grade Beams Note: Excludes pumping equipment.	237.46	
		For 2,000 PSI Concrete, Deduct	*-10.54*	
		For 2,500 PSI Concrete, Deduct	*-5.27*	
		For 3,500 PSI Concrete, Add	*9.76*	
		For 3,750 PSI Concrete, Add	*13.27*	
		For 4,000 PSI Concrete, Add	*16.79*	
		For 4,500 PSI Concrete, Add	*19.52*	
		For 5,000 PSI Concrete, Add	*22.26*	
		For 6,000 PSI Concrete, Add	*52.71*	
		For White Cement Concrete, Add	*23.43*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.38*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.52*	
		For Lightweight Aggregate, ASTM C330, Add	*68.33*	
		For Up To 20, Add	*16.90*	
		For >20 To 50, Add	*6.34*	
		For >100 To 200, Deduct	*-4.75*	
		For >200 To 400, Deduct	*-9.50*	
		For >400, Deduct	*-14.25*	

03 31 13 00-0032 Place Concrete Slab On Grade *(03 31 13 00-0011)*

03 31 13 00-0033	CY	Up To 6", By Crane And Bucket, Place 3,000 PSI Concrete Slab On Grade	280.59	
		For 2,000 PSI Concrete, Deduct	*-9.73*	
		For 2,500 PSI Concrete, Deduct	*-4.87*	
		For 3,500 PSI Concrete, Add	*9.01*	
		For 3,750 PSI Concrete, Add	*12.25*	
		For 4,000 PSI Concrete, Add	*15.50*	
		For 4,500 PSI Concrete, Add	*18.02*	
		For 5,000 PSI Concrete, Add	*20.54*	
		For 6,000 PSI Concrete, Add	*48.66*	
		For White Cement Concrete, Add	*21.63*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.43*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.02*	
		For Lightweight Aggregate, ASTM C330, Add	*63.07*	
		For Up To 20, Add	*40.15*	
		For >20 To 50, Add	*15.06*	
		For >100 To 200, Deduct	*-5.61*	
		For >200 To 400, Deduct	*-11.22*	
		For >400, Deduct	*-16.84*	
03 31 13 00-0034	CY	>6", By Crane And Bucket, Place 3,000 PSI Concrete Slab On Grade	256.38	
		For 2,000 PSI Concrete, Deduct	*-9.73*	
		For 2,500 PSI Concrete, Deduct	*-4.87*	
		For 3,500 PSI Concrete, Add	*9.01*	
		For 3,750 PSI Concrete, Add	*12.25*	
		For 4,000 PSI Concrete, Add	*15.50*	
		For 4,500 PSI Concrete, Add	*18.02*	
		For 5,000 PSI Concrete, Add	*20.54*	
		For 6,000 PSI Concrete, Add	*48.66*	
		For White Cement Concrete, Add	*21.63*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.43*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.02*	
		For Lightweight Aggregate, ASTM C330, Add	*63.07*	
		For Up To 20, Add	*30.47*	
		For >20 To 50, Add	*11.43*	
		For >100 To 200, Deduct	*-5.13*	
		For >200 To 400, Deduct	*-10.26*	
		For >400, Deduct	*-15.38*	
03 31 13 00-0035	CY	Up To 6", By Direct Chute, Place 3,000 PSI Concrete Slab On Grade	225.61	
		For 2,000 PSI Concrete, Deduct	*-9.73*	
		For 2,500 PSI Concrete, Deduct	*-4.87*	
		For 3,500 PSI Concrete, Add	*9.01*	
		For 3,750 PSI Concrete, Add	*12.25*	
		For 4,000 PSI Concrete, Add	*15.50*	
		For 4,500 PSI Concrete, Add	*18.02*	
		For 5,000 PSI Concrete, Add	*20.54*	
		For 6,000 PSI Concrete, Add	*48.66*	
		For White Cement Concrete, Add	*21.63*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.43*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.02*	
		For Lightweight Aggregate, ASTM C330, Add	*63.07*	
		For Up To 20, Add	*18.16*	
		For >20 To 50, Add	*6.81*	
		For >100 To 200, Deduct	*-4.51*	
		For >200 To 400, Deduct	*-9.02*	
		For >400, Deduct	*-13.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0036	CY	>6", By Direct Chute, Place 3,000 PSI Concrete Slab On Grade	214.65	
		For 2,000 PSI Concrete, Deduct	*-9.73*	
		For 2,500 PSI Concrete, Deduct	*-4.87*	
		For 3,500 PSI Concrete, Add	*9.01*	
		For 3,750 PSI Concrete, Add	*12.25*	
		For 4,000 PSI Concrete, Add	*15.50*	
		For 4,500 PSI Concrete, Add	*18.02*	
		For 5,000 PSI Concrete, Add	*20.54*	
		For 6,000 PSI Concrete, Add	*48.66*	
		For White Cement Concrete, Add	*21.63*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.43*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.02*	
		For Lightweight Aggregate, ASTM C330, Add	*63.07*	
		For Up To 20, Add	*13.78*	
		For >20 To 50, Add	*5.17*	
		For >100 To 200, Deduct	*-4.29*	
		For >200 To 400, Deduct	*-8.59*	
		For >400, Deduct	*-12.88*	
03 31 13 00-0037	CY	Up To 6", By Concrete Pump, Place 3,000 PSI Concrete Slab On Grade Note: Excludes pumping equipment.	233.05	
		For 2,000 PSI Concrete, Deduct	*-10.54*	
		For 2,500 PSI Concrete, Deduct	*-5.27*	
		For 3,500 PSI Concrete, Add	*9.76*	
		For 3,750 PSI Concrete, Add	*13.27*	
		For 4,000 PSI Concrete, Add	*16.79*	
		For 4,500 PSI Concrete, Add	*19.52*	
		For 5,000 PSI Concrete, Add	*22.26*	
		For 6,000 PSI Concrete, Add	*52.71*	
		For White Cement Concrete, Add	*23.43*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.38*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.52*	
		For Lightweight Aggregate, ASTM C330, Add	*68.33*	
		For Up To 20, Add	*15.13*	
		For >20 To 50, Add	*5.67*	
		For >100 To 200, Deduct	*-4.66*	
		For >200 To 400, Deduct	*-9.32*	
		For >400, Deduct	*-13.98*	
03 31 13 00-0038	CY	>6", By Concrete Pump, Place 3,000 PSI Concrete Slab On Grade Note: Excludes pumping equipment.	223.93	
		For 2,000 PSI Concrete, Deduct	*-10.54*	
		For 2,500 PSI Concrete, Deduct	*-5.27*	
		For 3,500 PSI Concrete, Add	*9.76*	
		For 3,750 PSI Concrete, Add	*13.27*	
		For 4,000 PSI Concrete, Add	*16.79*	
		For 4,500 PSI Concrete, Add	*19.52*	
		For 5,000 PSI Concrete, Add	*22.26*	
		For 6,000 PSI Concrete, Add	*52.71*	
		For White Cement Concrete, Add	*23.43*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.38*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.52*	
		For Lightweight Aggregate, ASTM C330, Add	*68.33*	
		For Up To 20, Add	*11.48*	
		For >20 To 50, Add	*4.31*	
		For >100 To 200, Deduct	*-4.48*	
		For >200 To 400, Deduct	*-8.96*	
		For >400, Deduct	*-13.44*	

03 31 13 00-0039 Place Concrete Stairs *(03 31 13 00-0011)*

03 31 13 00-0040	CY	Crane And Bucket, Place 3,000 PSI On Grade Concrete Stairs	631.82	
		For 2,000 PSI Concrete, Deduct	*-9.73*	
		For 2,500 PSI Concrete, Deduct	*-4.87*	
		For 3,500 PSI Concrete, Add	*9.01*	
		For 3,750 PSI Concrete, Add	*12.25*	
		For 4,000 PSI Concrete, Add	*15.50*	
		For 4,500 PSI Concrete, Add	*18.02*	
		For 5,000 PSI Concrete, Add	*20.54*	
		For 6,000 PSI Concrete, Add	*48.66*	
		For White Cement Concrete, Add	*21.63*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.43*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.02*	
		For Lightweight Aggregate, ASTM C330, Add	*63.07*	
		For Up To 20, Add	*180.64*	
		For >20 To 50, Add	*67.74*	
		For >100 To 200, Deduct	*-12.64*	
		For >200 To 400, Deduct	*-25.27*	
		For >400, Deduct	*-37.91*	

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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0041	CY	Direct Chute, Place 3,000 PSI On Grade Concrete Stairs	384.50	
		For 2,000 PSI Concrete, Deduct	*-9.73*	
		For 2,500 PSI Concrete, Deduct	*-4.87*	
		For 3,500 PSI Concrete, Add	*9.01*	
		For 3,750 PSI Concrete, Add	*12.25*	
		For 4,000 PSI Concrete, Add	*15.50*	
		For 4,500 PSI Concrete, Add	*18.02*	
		For 5,000 PSI Concrete, Add	*20.54*	
		For 6,000 PSI Concrete, Add	*48.66*	
		For White Cement Concrete, Add	*21.63*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.43*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.02*	
		For Lightweight Aggregate, ASTM C330, Add	*63.07*	
		For Up To 20, Add	*81.72*	
		For >20 To 50, Add	*30.64*	
		For >100 To 200, Deduct	*-7.69*	
		For >200 To 400, Deduct	*-15.38*	
		For >400, Deduct	*-23.07*	
03 31 13 00-0042	CY	Concrete Pump, Place 3,000 PSI On Grade Concrete Stairs Note: Excludes pumping equipment.	365.48	
		For 2,000 PSI Concrete, Deduct	*-10.54*	
		For 2,500 PSI Concrete, Deduct	*-5.27*	
		For 3,500 PSI Concrete, Add	*9.76*	
		For 3,750 PSI Concrete, Add	*13.27*	
		For 4,000 PSI Concrete, Add	*16.79*	
		For 4,500 PSI Concrete, Add	*19.52*	
		For 5,000 PSI Concrete, Add	*22.26*	
		For 6,000 PSI Concrete, Add	*52.71*	
		For White Cement Concrete, Add	*23.43*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.38*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.52*	
		For Lightweight Aggregate, ASTM C330, Add	*68.33*	
		For Up To 20, Add	*68.10*	
		For >20 To 50, Add	*25.54*	
		For >100 To 200, Deduct	*-7.31*	
		For >200 To 400, Deduct	*-14.62*	
		For >400, Deduct	*-21.93*	

03 31 13 00-0043 Place Concrete Superstructure By Method Indicated *(03 31 13 00-0010)*

See CSI section 03 37 16 00-0001 for concrete pump truck.

03 31 13 00-0044 Place Elevated Concrete Beams *(03 31 13 00-0043)*

03 31 13 00-0045	CY	Crane And Bucket, Place 3,000 PSI Elevated Concrete Beams	425.38	
		For 2,000 PSI Concrete, Deduct	*-9.73*	
		For 2,500 PSI Concrete, Deduct	*-4.87*	
		For 3,500 PSI Concrete, Add	*9.01*	
		For 3,750 PSI Concrete, Add	*12.25*	
		For 4,000 PSI Concrete, Add	*15.50*	
		For 4,500 PSI Concrete, Add	*18.02*	
		For 5,000 PSI Concrete, Add	*20.54*	
		For 6,000 PSI Concrete, Add	*48.66*	
		For White Cement Concrete, Add	*21.63*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.43*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.02*	
		For Lightweight Aggregate, ASTM C330, Add	*63.07*	
		For Up To 20, Add	*98.07*	
		For >20 To 50, Add	*36.78*	
		For >100 To 200, Deduct	*-8.51*	
		For >200 To 400, Deduct	*-17.02*	
		For >400, Deduct	*-25.52*	
03 31 13 00-0046	CY	Concrete Pump, Place 3,000 PSI Elevated Concrete Beams Note: Excludes pumping equipment.	300.83	
		For 2,000 PSI Concrete, Deduct	*-10.54*	
		For 2,500 PSI Concrete, Deduct	*-5.27*	
		For 3,500 PSI Concrete, Add	*9.76*	
		For 3,750 PSI Concrete, Add	*13.27*	
		For 4,000 PSI Concrete, Add	*16.79*	
		For 4,500 PSI Concrete, Add	*19.52*	
		For 5,000 PSI Concrete, Add	*22.26*	
		For 6,000 PSI Concrete, Add	*52.71*	
		For White Cement Concrete, Add	*23.43*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.38*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.52*	
		For Lightweight Aggregate, ASTM C330, Add	*68.33*	
		For Up To 20, Add	*42.24*	
		For >20 To 50, Add	*15.84*	
		For >100 To 200, Deduct	*-6.02*	
		For >200 To 400, Deduct	*-12.03*	
		For >400, Deduct	*-18.05*	

03 31 13 00-0047 Place Elevated Concrete Slab *(03 31 13 00-0043)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0048	CY	Up To 6", By Crane And Bucket, Place 3,000 PSI Elevated Concrete Slab	295.63	
		For 2,000 PSI Concrete, Deduct	*-9.73*	
		For 2,500 PSI Concrete, Deduct	*-4.87*	
		For 3,500 PSI Concrete, Add	*9.01*	
		For 3,750 PSI Concrete, Add	*12.25*	
		For 4,000 PSI Concrete, Add	*15.50*	
		For 4,500 PSI Concrete, Add	*18.02*	
		For 5,000 PSI Concrete, Add	*20.54*	
		For 6,000 PSI Concrete, Add	*48.66*	
		For White Cement Concrete, Add	*21.63*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.43*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.02*	
		For Lightweight Aggregate, ASTM C330, Add	*63.07*	
		For Up To 20, Add	*46.17*	
		For >20 To 50, Add	*17.31*	
		For >100 To 200, Deduct	*-5.91*	
		For >200 To 400, Deduct	*-11.83*	
		For >400, Deduct	*-17.74*	
03 31 13 00-0049	CY	>6", By Crane And Bucket, Place 3,000 PSI Elevated Concrete Slab	267.78	
		For 2,000 PSI Concrete, Deduct	*-9.73*	
		For 2,500 PSI Concrete, Deduct	*-4.87*	
		For 3,500 PSI Concrete, Add	*9.01*	
		For 3,750 PSI Concrete, Add	*12.25*	
		For 4,000 PSI Concrete, Add	*15.50*	
		For 4,500 PSI Concrete, Add	*18.02*	
		For 5,000 PSI Concrete, Add	*20.54*	
		For 6,000 PSI Concrete, Add	*48.66*	
		For White Cement Concrete, Add	*21.63*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.43*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.02*	
		For Lightweight Aggregate, ASTM C330, Add	*63.07*	
		For Up To 20, Add	*35.03*	
		For >20 To 50, Add	*13.14*	
		For >100 To 200, Deduct	*-5.36*	
		For >200 To 400, Deduct	*-10.71*	
		For >400, Deduct	*-16.07*	
03 31 13 00-0050	CY	Up To 6", By Concrete Pump, Place 3,000 PSI Elevated Concrete Slab Note: Excludes pumping equipment.	244.94	
		For 2,000 PSI Concrete, Deduct	*-10.54*	
		For 2,500 PSI Concrete, Deduct	*-5.27*	
		For 3,500 PSI Concrete, Add	*9.76*	
		For 3,750 PSI Concrete, Add	*13.27*	
		For 4,000 PSI Concrete, Add	*16.79*	
		For 4,500 PSI Concrete, Add	*19.52*	
		For 5,000 PSI Concrete, Add	*22.26*	
		For 6,000 PSI Concrete, Add	*52.71*	
		For White Cement Concrete, Add	*23.43*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.38*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.52*	
		For Lightweight Aggregate, ASTM C330, Add	*68.33*	
		For Up To 20, Add	*19.89*	
		For >20 To 50, Add	*7.46*	
		For >100 To 200, Deduct	*-4.90*	
		For >200 To 400, Deduct	*-9.80*	
		For >400, Deduct	*-14.70*	
03 31 13 00-0051	CY	>6", By Concrete Pump, Place 3,000 PSI Elevated Concrete Slab Note: Excludes pumping equipment.	232.95	
		For 2,000 PSI Concrete, Deduct	*-10.54*	
		For 2,500 PSI Concrete, Deduct	*-5.27*	
		For 3,500 PSI Concrete, Add	*9.76*	
		For 3,750 PSI Concrete, Add	*13.27*	
		For 4,000 PSI Concrete, Add	*16.79*	
		For 4,500 PSI Concrete, Add	*19.52*	
		For 5,000 PSI Concrete, Add	*22.26*	
		For 6,000 PSI Concrete, Add	*52.71*	
		For White Cement Concrete, Add	*23.43*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.38*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.52*	
		For Lightweight Aggregate, ASTM C330, Add	*68.33*	
		For Up To 20, Add	*15.09*	
		For >20 To 50, Add	*5.66*	
		For >100 To 200, Deduct	*-4.66*	
		For >200 To 400, Deduct	*-9.32*	
		For >400, Deduct	*-13.98*	

03 31 13 00-0052 Place Concrete Columns *(03 31 13 00-0043)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0053	CY	12" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	445.00	
		For 2,000 PSI Concrete, Deduct	*-9.73*	
		For 2,500 PSI Concrete, Deduct	*-4.87*	
		For 3,500 PSI Concrete, Add	*9.01*	
		For 3,750 PSI Concrete, Add	*12.25*	
		For 4,000 PSI Concrete, Add	*15.50*	
		For 4,500 PSI Concrete, Add	*18.02*	
		For 5,000 PSI Concrete, Add	*20.54*	
		For 6,000 PSI Concrete, Add	*48.66*	
		For White Cement Concrete, Add	*21.63*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.43*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.02*	
		For Lightweight Aggregate, ASTM C330, Add	*63.07*	
		For Up To 20, Add	*105.92*	
		For >20 To 50, Add	*39.72*	
		For >100 To 200, Deduct	*-8.90*	
		For >200 To 400, Deduct	*-17.80*	
		For >400, Deduct	*-26.70*	
03 31 13 00-0054	CY	18" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	372.67	
		For 2,000 PSI Concrete, Deduct	*-9.73*	
		For 2,500 PSI Concrete, Deduct	*-4.87*	
		For 3,500 PSI Concrete, Add	*9.01*	
		For 3,750 PSI Concrete, Add	*12.25*	
		For 4,000 PSI Concrete, Add	*15.50*	
		For 4,500 PSI Concrete, Add	*18.02*	
		For 5,000 PSI Concrete, Add	*20.54*	
		For 6,000 PSI Concrete, Add	*48.66*	
		For White Cement Concrete, Add	*21.63*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.43*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.02*	
		For Lightweight Aggregate, ASTM C330, Add	*63.07*	
		For Up To 20, Add	*76.98*	
		For >20 To 50, Add	*28.87*	
		For >100 To 200, Deduct	*-7.45*	
		For >200 To 400, Deduct	*-14.91*	
		For >400, Deduct	*-22.36*	
03 31 13 00-0055	CY	24" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	320.94	
		For 2,000 PSI Concrete, Deduct	*-9.73*	
		For 2,500 PSI Concrete, Deduct	*-4.87*	
		For 3,500 PSI Concrete, Add	*9.01*	
		For 3,750 PSI Concrete, Add	*12.25*	
		For 4,000 PSI Concrete, Add	*15.50*	
		For 4,500 PSI Concrete, Add	*18.02*	
		For 5,000 PSI Concrete, Add	*20.54*	
		For 6,000 PSI Concrete, Add	*48.66*	
		For White Cement Concrete, Add	*21.63*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.43*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.02*	
		For Lightweight Aggregate, ASTM C330, Add	*63.07*	
		For Up To 20, Add	*56.29*	
		For >20 To 50, Add	*21.11*	
		For >100 To 200, Deduct	*-6.42*	
		For >200 To 400, Deduct	*-12.84*	
		For >400, Deduct	*-19.26*	
03 31 13 00-0056	CY	36" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	297.89	
		For 2,000 PSI Concrete, Deduct	*-9.73*	
		For 2,500 PSI Concrete, Deduct	*-4.87*	
		For 3,500 PSI Concrete, Add	*9.01*	
		For 3,750 PSI Concrete, Add	*12.25*	
		For 4,000 PSI Concrete, Add	*15.50*	
		For 4,500 PSI Concrete, Add	*18.02*	
		For 5,000 PSI Concrete, Add	*20.54*	
		For 6,000 PSI Concrete, Add	*48.66*	
		For White Cement Concrete, Add	*21.63*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.43*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.02*	
		For Lightweight Aggregate, ASTM C330, Add	*63.07*	
		For Up To 20, Add	*47.07*	
		For >20 To 50, Add	*17.65*	
		For >100 To 200, Deduct	*-5.96*	
		For >200 To 400, Deduct	*-11.92*	
		For >400, Deduct	*-17.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0057	CY	12" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns	309.28	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-10.54*	
		For 2,500 PSI Concrete, Deduct	*-5.27*	
		For 3,500 PSI Concrete, Add	*9.76*	
		For 3,750 PSI Concrete, Add	*13.27*	
		For 4,000 PSI Concrete, Add	*16.79*	
		For 4,500 PSI Concrete, Add	*19.52*	
		For 5,000 PSI Concrete, Add	*22.26*	
		For 6,000 PSI Concrete, Add	*52.71*	
		For White Cement Concrete, Add	*23.43*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.38*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.52*	
		For Lightweight Aggregate, ASTM C330, Add	*68.33*	
		For Up To 20, Add	*45.62*	
		For >20 To 50, Add	*17.11*	
		For >100 To 200, Deduct	*-6.19*	
		For >200 To 400, Deduct	*-12.37*	
		For >400, Deduct	*-18.56*	
03 31 13 00-0058	CY	18" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns	278.13	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-10.54*	
		For 2,500 PSI Concrete, Deduct	*-5.27*	
		For 3,500 PSI Concrete, Add	*9.76*	
		For 3,750 PSI Concrete, Add	*13.27*	
		For 4,000 PSI Concrete, Add	*16.79*	
		For 4,500 PSI Concrete, Add	*19.52*	
		For 5,000 PSI Concrete, Add	*22.26*	
		For 6,000 PSI Concrete, Add	*52.71*	
		For White Cement Concrete, Add	*23.43*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.38*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.52*	
		For Lightweight Aggregate, ASTM C330, Add	*68.33*	
		For Up To 20, Add	*33.16*	
		For >20 To 50, Add	*12.44*	
		For >100 To 200, Deduct	*-5.56*	
		For >200 To 400, Deduct	*-11.13*	
		For >400, Deduct	*-16.69*	
03 31 13 00-0059	CY	24" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns	255.83	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-10.54*	
		For 2,500 PSI Concrete, Deduct	*-5.27*	
		For 3,500 PSI Concrete, Add	*9.76*	
		For 3,750 PSI Concrete, Add	*13.27*	
		For 4,000 PSI Concrete, Add	*16.79*	
		For 4,500 PSI Concrete, Add	*19.52*	
		For 5,000 PSI Concrete, Add	*22.26*	
		For 6,000 PSI Concrete, Add	*52.71*	
		For White Cement Concrete, Add	*23.43*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.38*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.52*	
		For Lightweight Aggregate, ASTM C330, Add	*68.33*	
		For Up To 20, Add	*24.24*	
		For >20 To 50, Add	*9.09*	
		For >100 To 200, Deduct	*-5.12*	
		For >200 To 400, Deduct	*-10.23*	
		For >400, Deduct	*-15.35*	
03 31 13 00-0060	CY	36" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns	245.91	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-10.54*	
		For 2,500 PSI Concrete, Deduct	*-5.27*	
		For 3,500 PSI Concrete, Add	*9.76*	
		For 3,750 PSI Concrete, Add	*13.27*	
		For 4,000 PSI Concrete, Add	*16.79*	
		For 4,500 PSI Concrete, Add	*19.52*	
		For 5,000 PSI Concrete, Add	*22.26*	
		For 6,000 PSI Concrete, Add	*52.71*	
		For White Cement Concrete, Add	*23.43*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.38*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.52*	
		For Lightweight Aggregate, ASTM C330, Add	*68.33*	
		For Up To 20, Add	*20.28*	
		For >20 To 50, Add	*7.60*	
		For >100 To 200, Deduct	*-4.92*	
		For >200 To 400, Deduct	*-9.84*	
		For >400, Deduct	*-14.75*	

03 31 13 00-0061 Place Concrete Walls *(03 31 13 00-0043)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0062	CY	Up To 8" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls	428.45	
		For 2,000 PSI Concrete, Deduct	*-9.73*	
		For 2,500 PSI Concrete, Deduct	*-4.87*	
		For 3,500 PSI Concrete, Add	*9.01*	
		For 3,750 PSI Concrete, Add	*12.25*	
		For 4,000 PSI Concrete, Add	*15.50*	
		For 4,500 PSI Concrete, Add	*18.02*	
		For 5,000 PSI Concrete, Add	*20.54*	
		For 6,000 PSI Concrete, Add	*48.66*	
		For White Cement Concrete, Add	*21.63*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.43*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.02*	
		For Lightweight Aggregate, ASTM C330, Add	*63.07*	
		For Up To 20, Add	*99.30*	
		For >20 To 50, Add	*37.24*	
		For >100 To 200, Deduct	*-8.57*	
		For >200 To 400, Deduct	*-17.14*	
		For >400, Deduct	*-25.71*	
03 31 13 00-0063	CY	12" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls	407.87	
		For 2,000 PSI Concrete, Deduct	*-9.73*	
		For 2,500 PSI Concrete, Deduct	*-4.87*	
		For 3,500 PSI Concrete, Add	*9.01*	
		For 3,750 PSI Concrete, Add	*12.25*	
		For 4,000 PSI Concrete, Add	*15.50*	
		For 4,500 PSI Concrete, Add	*18.02*	
		For 5,000 PSI Concrete, Add	*20.54*	
		For 6,000 PSI Concrete, Add	*48.66*	
		For White Cement Concrete, Add	*21.63*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.43*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.02*	
		For Lightweight Aggregate, ASTM C330, Add	*63.07*	
		For Up To 20, Add	*91.06*	
		For >20 To 50, Add	*34.15*	
		For >100 To 200, Deduct	*-8.16*	
		For >200 To 400, Deduct	*-16.31*	
		For >400, Deduct	*-24.47*	
03 31 13 00-0064	CY	15" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls	353.98	
		For 2,000 PSI Concrete, Deduct	*-9.73*	
		For 2,500 PSI Concrete, Deduct	*-4.87*	
		For 3,500 PSI Concrete, Add	*9.01*	
		For 3,750 PSI Concrete, Add	*12.25*	
		For 4,000 PSI Concrete, Add	*15.50*	
		For 4,500 PSI Concrete, Add	*18.02*	
		For 5,000 PSI Concrete, Add	*20.54*	
		For 6,000 PSI Concrete, Add	*48.66*	
		For White Cement Concrete, Add	*21.63*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.43*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.02*	
		For Lightweight Aggregate, ASTM C330, Add	*63.07*	
		For Up To 20, Add	*69.51*	
		For >20 To 50, Add	*26.07*	
		For >100 To 200, Deduct	*-7.08*	
		For >200 To 400, Deduct	*-14.16*	
		For >400, Deduct	*-21.24*	
03 31 13 00-0065	CY	Up To 8" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls	292.49	
		For 2,000 PSI Concrete, Deduct	*-9.73*	
		For 2,500 PSI Concrete, Deduct	*-4.87*	
		For 3,500 PSI Concrete, Add	*9.01*	
		For 3,750 PSI Concrete, Add	*12.25*	
		For 4,000 PSI Concrete, Add	*15.50*	
		For 4,500 PSI Concrete, Add	*18.02*	
		For 5,000 PSI Concrete, Add	*20.54*	
		For 6,000 PSI Concrete, Add	*48.66*	
		For White Cement Concrete, Add	*21.63*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.43*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.02*	
		For Lightweight Aggregate, ASTM C330, Add	*63.07*	
		For Up To 20, Add	*44.91*	
		For >20 To 50, Add	*16.84*	
		For >100 To 200, Deduct	*-5.85*	
		For >200 To 400, Deduct	*-11.70*	
		For >400, Deduct	*-17.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0066	CY	12" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls	270.03	
		For 2,000 PSI Concrete, Deduct	*-9.73*	
		For 2,500 PSI Concrete, Deduct	*-4.87*	
		For 3,500 PSI Concrete, Add	*9.01*	
		For 3,750 PSI Concrete, Add	*12.25*	
		For 4,000 PSI Concrete, Add	*15.50*	
		For 4,500 PSI Concrete, Add	*18.02*	
		For 5,000 PSI Concrete, Add	*20.54*	
		For 6,000 PSI Concrete, Add	*48.66*	
		For White Cement Concrete, Add	*21.63*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.43*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.02*	
		For Lightweight Aggregate, ASTM C330, Add	*63.07*	
		For Up To 20, Add	*35.93*	
		For >20 To 50, Add	*13.47*	
		For >100 To 200, Deduct	*-5.40*	
		For >200 To 400, Deduct	*-10.80*	
		For >400, Deduct	*-16.20*	
03 31 13 00-0067	CY	15" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls	258.80	
		For 2,000 PSI Concrete, Deduct	*-9.73*	
		For 2,500 PSI Concrete, Deduct	*-4.87*	
		For 3,500 PSI Concrete, Add	*9.01*	
		For 3,750 PSI Concrete, Add	*12.25*	
		For 4,000 PSI Concrete, Add	*15.50*	
		For 4,500 PSI Concrete, Add	*18.02*	
		For 5,000 PSI Concrete, Add	*20.54*	
		For 6,000 PSI Concrete, Add	*48.66*	
		For White Cement Concrete, Add	*21.63*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.43*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.02*	
		For Lightweight Aggregate, ASTM C330, Add	*63.07*	
		For Up To 20, Add	*31.44*	
		For >20 To 50, Add	*11.79*	
		For >100 To 200, Deduct	*-5.18*	
		For >200 To 400, Deduct	*-10.35*	
		For >400, Deduct	*-15.53*	
03 31 13 00-0068	CY	Up To 8" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls Note: Excludes pumping equipment.	302.15	
		For 2,000 PSI Concrete, Deduct	*-10.54*	
		For 2,500 PSI Concrete, Deduct	*-5.27*	
		For 3,500 PSI Concrete, Add	*9.76*	
		For 3,750 PSI Concrete, Add	*13.27*	
		For 4,000 PSI Concrete, Add	*16.79*	
		For 4,500 PSI Concrete, Add	*19.52*	
		For 5,000 PSI Concrete, Add	*22.26*	
		For 6,000 PSI Concrete, Add	*52.71*	
		For White Cement Concrete, Add	*23.43*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.38*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.52*	
		For Lightweight Aggregate, ASTM C330, Add	*68.33*	
		For Up To 20, Add	*42.77*	
		For >20 To 50, Add	*16.04*	
		For >100 To 200, Deduct	*-6.04*	
		For >200 To 400, Deduct	*-12.09*	
		For >400, Deduct	*-18.13*	
03 31 13 00-0069	CY	12" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls Note: Excludes pumping equipment.	280.75	
		For 2,000 PSI Concrete, Deduct	*-10.54*	
		For 2,500 PSI Concrete, Deduct	*-5.27*	
		For 3,500 PSI Concrete, Add	*9.76*	
		For 3,750 PSI Concrete, Add	*13.27*	
		For 4,000 PSI Concrete, Add	*16.79*	
		For 4,500 PSI Concrete, Add	*19.52*	
		For 5,000 PSI Concrete, Add	*22.26*	
		For 6,000 PSI Concrete, Add	*52.71*	
		For White Cement Concrete, Add	*23.43*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.38*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.52*	
		For Lightweight Aggregate, ASTM C330, Add	*68.33*	
		For Up To 20, Add	*34.21*	
		For >20 To 50, Add	*12.83*	
		For >100 To 200, Deduct	*-5.62*	
		For >200 To 400, Deduct	*-11.23*	
		For >400, Deduct	*-16.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0070	CY	15" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls Note: Excludes pumping equipment.	270.07	
		For 2,000 PSI Concrete, Deduct	*-10.54*	
		For 2,500 PSI Concrete, Deduct	*-5.27*	
		For 3,500 PSI Concrete, Add	*9.76*	
		For 3,750 PSI Concrete, Add	*13.27*	
		For 4,000 PSI Concrete, Add	*16.79*	
		For 4,500 PSI Concrete, Add	*19.52*	
		For 5,000 PSI Concrete, Add	*22.26*	
		For 6,000 PSI Concrete, Add	*52.71*	
		For White Cement Concrete, Add	*23.43*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.38*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.52*	
		For Lightweight Aggregate, ASTM C330, Add	*68.33*	
		For Up To 20, Add	*29.94*	
		For >20 To 50, Add	*11.23*	
		For >100 To 200, Deduct	*-5.40*	
		For >200 To 400, Deduct	*-10.80*	
		For >400, Deduct	*-16.20*	
03 31 13 00-0071		Place Elevated Concrete Stairs *(03 31 13 00-0043)*		
03 31 13 00-0072	CY	Crane And Bucket, Place 3,000 PSI Elevated Concrete Stairs	682.06	
		For 2,000 PSI Concrete, Deduct	*-9.73*	
		For 2,500 PSI Concrete, Deduct	*-4.87*	
		For 3,500 PSI Concrete, Add	*9.01*	
		For 3,750 PSI Concrete, Add	*12.25*	
		For 4,000 PSI Concrete, Add	*15.50*	
		For 4,500 PSI Concrete, Add	*18.02*	
		For 5,000 PSI Concrete, Add	*20.54*	
		For 6,000 PSI Concrete, Add	*48.66*	
		For White Cement Concrete, Add	*21.63*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.43*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.02*	
		For Lightweight Aggregate, ASTM C330, Add	*63.07*	
		For Up To 20, Add	*200.74*	
		For >20 To 50, Add	*75.28*	
		For >100 To 200, Deduct	*-13.64*	
		For >200 To 400, Deduct	*-27.28*	
		For >400, Deduct	*-40.92*	
03 31 13 00-0073	CY	Direct Chute, Place 3,000 PSI Elevated Concrete Stairs	407.19	
		For 2,000 PSI Concrete, Deduct	*-9.73*	
		For 2,500 PSI Concrete, Deduct	*-4.87*	
		For 3,500 PSI Concrete, Add	*9.01*	
		For 3,750 PSI Concrete, Add	*12.25*	
		For 4,000 PSI Concrete, Add	*15.50*	
		For 4,500 PSI Concrete, Add	*18.02*	
		For 5,000 PSI Concrete, Add	*20.54*	
		For 6,000 PSI Concrete, Add	*48.66*	
		For White Cement Concrete, Add	*21.63*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.43*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.02*	
		For Lightweight Aggregate, ASTM C330, Add	*63.07*	
		For Up To 20, Add	*90.79*	
		For >20 To 50, Add	*34.05*	
		For >100 To 200, Deduct	*-8.14*	
		For >200 To 400, Deduct	*-16.29*	
		For >400, Deduct	*-24.43*	
03 31 13 00-0074	CY	Concrete Pump, Place 3,000 PSI Elevated Concrete Stairs Note: Excludes pumping equipment.	384.37	
		For 2,000 PSI Concrete, Deduct	*-10.54*	
		For 2,500 PSI Concrete, Deduct	*-5.27*	
		For 3,500 PSI Concrete, Add	*9.76*	
		For 3,750 PSI Concrete, Add	*13.27*	
		For 4,000 PSI Concrete, Add	*16.79*	
		For 4,500 PSI Concrete, Add	*19.52*	
		For 5,000 PSI Concrete, Add	*22.26*	
		For 6,000 PSI Concrete, Add	*52.71*	
		For White Cement Concrete, Add	*23.43*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.38*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.52*	
		For Lightweight Aggregate, ASTM C330, Add	*68.33*	
		For Up To 20, Add	*75.66*	
		For >20 To 50, Add	*28.37*	
		For >100 To 200, Deduct	*-7.69*	
		For >200 To 400, Deduct	*-15.37*	
		For >400, Deduct	*-23.06*	
03 31 13 00-0075		Place Concrete Coping *(03 31 13 00-0043)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0076	CY	Crane And Bucket, Place 3,000 PSI Concrete Coping	699.40	
		For 2,000 PSI Concrete, Deduct	*-9.73*	
		For 2,500 PSI Concrete, Deduct	*-4.87*	
		For 3,500 PSI Concrete, Add	*9.01*	
		For 3,750 PSI Concrete, Add	*12.25*	
		For 4,000 PSI Concrete, Add	*15.50*	
		For 4,500 PSI Concrete, Add	*18.02*	
		For 5,000 PSI Concrete, Add	*20.54*	
		For 6,000 PSI Concrete, Add	*48.66*	
		For White Cement Concrete, Add	*21.63*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.43*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.02*	
		For Lightweight Aggregate, ASTM C330, Add	*63.07*	
		For Up To 20, Add	*207.68*	
		For >20 To 50, Add	*77.88*	
		For >100 To 200, Deduct	*-13.99*	
		For >200 To 400, Deduct	*-27.98*	
		For >400, Deduct	*-41.96*	
03 31 13 00-0077	CY	Direct Chute, Place 3,000 PSI Concrete Coping	405.66	
		For 2,000 PSI Concrete, Deduct	*-9.73*	
		For 2,500 PSI Concrete, Deduct	*-4.87*	
		For 3,500 PSI Concrete, Add	*9.01*	
		For 3,750 PSI Concrete, Add	*12.25*	
		For 4,000 PSI Concrete, Add	*15.50*	
		For 4,500 PSI Concrete, Add	*18.02*	
		For 5,000 PSI Concrete, Add	*20.54*	
		For 6,000 PSI Concrete, Add	*48.66*	
		For White Cement Concrete, Add	*21.63*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.43*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.02*	
		For Lightweight Aggregate, ASTM C330, Add	*63.07*	
		For Up To 20, Add	*90.18*	
		For >20 To 50, Add	*33.82*	
		For >100 To 200, Deduct	*-8.11*	
		For >200 To 400, Deduct	*-16.23*	
		For >400, Deduct	*-24.34*	
03 31 13 00-0078	CY	Concrete Pump, Place 3,000 PSI Concrete Coping Note: Excludes pumping equipment.	536.70	
		For 2,000 PSI Concrete, Deduct	*-10.54*	
		For 2,500 PSI Concrete, Deduct	*-5.27*	
		For 3,500 PSI Concrete, Add	*9.76*	
		For 3,750 PSI Concrete, Add	*13.27*	
		For 4,000 PSI Concrete, Add	*16.79*	
		For 4,500 PSI Concrete, Add	*19.52*	
		For 5,000 PSI Concrete, Add	*22.26*	
		For 6,000 PSI Concrete, Add	*52.71*	
		For White Cement Concrete, Add	*23.43*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.38*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.52*	
		For Lightweight Aggregate, ASTM C330, Add	*68.33*	
		For Up To 20, Add	*136.59*	
		For >20 To 50, Add	*51.22*	
		For >100 To 200, Deduct	*-10.73*	
		For >200 To 400, Deduct	*-21.47*	
		For >400, Deduct	*-32.20*	

03 31 13 00-0079 Concrete Carts *(03 31 13 00-0010)*

Note: Used to place concrete were necessary.

03 31 13 00-0080	CY	50' Haul, Non-Motorized, Concrete Buggy	27.89
03 31 13 00-0081	CY	150' Haul, Non-Motorized, Concrete Buggy	37.34
03 31 13 00-0082	CY	250' Haul, Non-Motorized, Concrete Buggy	49.81
03 31 13 00-0083	CY	50' Haul, Motorized, Concrete Buggy	12.60
03 31 13 00-0084	CY	150' Haul, Motorized, Concrete Buggy	16.89
03 31 13 00-0085	CY	250' Haul, Motorized, Concrete Buggy	22.53

03 31 13 00-0086 Delivery Fee For Small Concrete Purchases (Short Load) *(03 31 13)*

03 31 13 00-0087	CY	Delivery Fee For Small Concrete Purchases (Short Load) Per CY For Each CY Less Than 9 CY Note: The task quantity is 9 minus the number of CY's delivered. For example, the delivery fee for 2CY's is: (9-2) = 7.	27.00

03 31 13 00-0088 Equipment Pads *(03 31 13)*

03 31 13 00-0089 Small Concrete Equipment Housekeeping Pad Assemblies *(03 31 13 00-0088)*

Note: Includes forms, hand mix concrete, finish, curing and reinforcing. For up to 50 SF per pad and up to 5 pads per project. See CSI section 03 31 13 00-0002 for >50 SF concrete pads.

03 31 13 00-0090	SF	4" Equipment Pad With Welded Wire Reinforcement Assembly	19.31
		For >5 To 20 Pads, Deduct	*-2.39*
		For >20 To 50 Pads, Deduct	*-4.38*
		For >50 Pads, Deduct	*-6.37*
03 31 13 00-0091	SF	4" Equipment Pad With Rebar Assembly	25.12
		For >5 To 20 Pads, Deduct	*-2.76*
		For >20 To 50 Pads, Deduct	*-5.05*
		For >50 Pads, Deduct	*-7.35*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0092	SF	6" Equipment Pad With Rebar Assembly	31.35	
		For >5 To 20 Pads, Deduct	*-3.47*	
		For >20 To 50 Pads, Deduct	*-6.35*	
		For >50 Pads, Deduct	*-9.24*	
03 31 13 00-0093	SF	8" Equipment Pad With Rebar Assembly	39.12	
		For >5 To 20 Pads, Deduct	*-4.40*	
		For >20 To 50 Pads, Deduct	*-8.07*	
		For >50 Pads, Deduct	*-11.74*	

03 31 16 Lightweight Structural Concrete *(03 31)*

03 31 16 00-0001 Low Density Cellular / Foam Concrete Fill *(03 31 16)*

03 31 16 00-0002	CY	Lightweight Low Density Pervious Cellular/Foam Concrete, 100 To 120 PCF Density Range	315.85	
		For >30 To 50 PCF Density Range, Deduct	*-35.60*	
		For >50 To 80 PCF Density Range, Deduct	*-24.69*	
		For >80 To 100 PCF Density Range, Deduct	*-11.78*	

03 35 Concrete Finishing *(03 30)*

03 35 13 High-Tolerance Concrete Floor Finishing *(03 35)*

03 35 13 00-0001 Floor Finishes *(03 35 13)*

Note: Task is for final finish type and includes all required prior finishes.

03 35 13 00-0002	SF	Screed, Concrete Floor Finish	1.05	
		For Up To 100, Add	*2.10*	
		For >100 To 250, Add	*0.53*	
		For >250 To 500, Add	*0.26*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000, Deduct	*-0.11*	
03 35 13 00-0003	SF	Darby, Concrete Floor Finish	1.25	
		For Up To 100, Add	*2.50*	
		For >100 To 250, Add	*0.63*	
		For >250 To 500, Add	*0.31*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000, Deduct	*-0.13*	
03 35 13 00-0004	SF	Broom, Concrete Floor Finish	1.38	
		For Up To 100, Add	*2.76*	
		For >100 To 250, Add	*0.69*	
		For >250 To 500, Add	*0.35*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000, Deduct	*-0.14*	
03 35 13 00-0005	SF	Final Float, Concrete Floor Finish	1.61	
		For Up To 100, Add	*3.22*	
		For >100 To 250, Add	*0.81*	
		For >250 To 500, Add	*0.40*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000, Deduct	*-0.16*	
03 35 13 00-0006	SF	Steel Trowel, Concrete Floor Finish	1.81	
		For Up To 100, Add	*3.62*	
		For >100 To 250, Add	*0.91*	
		For >250 To 500, Add	*0.45*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000, Deduct	*-0.18*	
03 35 13 00-0007	SF	Concrete Floor Finishes, Machine	1.61	
		For Up To 100, Add	*3.22*	
		For >100 To 250, Add	*0.81*	
		For >250 To 500, Add	*0.40*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000, Deduct	*-0.16*	

03 35 16 Heavy-Duty Concrete Floor Finishing *(03 35)*

03 35 16 00-0001 Shake On Floor Hardeners *(03 35 16)*

03 35 16 00-0002	SF	0.3 Lb./SF, Metallic, Shake On Floor Hardener	1.30
03 35 16 00-0003	SF	0.65 Lb./SF, Metallic, Shake On Floor Hardener	2.01
03 35 16 00-0004	SF	0.3 Lb./SF, Non-Metallic, Shake On Floor Hardener	1.23
03 35 16 00-0005	SF	0.65 Lb./SF, Non-Metallic, Shake On Floor Hardener	1.49

03 35 19 Colored Concrete Finishing *(03 35)*

03 35 19 00-0001 Concrete Surface Treatments *(03 35 19)*

03 35 19 00-0002	SF	Acrylic Latex Bonding Agent	0.61
03 35 19 00-0003	SF	Epoxy Resin Bonding Agent	3.49
03 35 19 00-0004	SF	Clear Acrylic Sealer, Hardener And Dustproofer	0.42
03 35 19 00-0005	SF	Colored Acrylic Sealer, Hardener And Dustproofer	0.44

03 35 23 Exposed Aggregate Concrete Finishing *(03 35)*

03 35 23 00-0001 Exposed Aggregate, Concrete Finish *(03 35 23)*

03 35 23 00-0002	SF	Exposed Aggregate, Concrete Floor Finish	3.94

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

03 35 26 Grooved Concrete Surface Finishing *(03 35)*

03 35 26 00-0001 Ramp, Grooved Concrete Surface Finishing *(03 35 26)*

03 35 26 00-0002	SF	Ramp, Grooved Concrete Surface Finishing	4.67

03 35 29 Tooled Concrete Finishing *(03 35)*

03 35 29 00-0001 Solid Board Concrete Finish *(03 35 29)*

03 35 29 00-0002	SF	Solid Board Concrete, Non-Uniform Finish, 1 Use, Add To Formwork	16.43

03 35 29 00-0003 Marblecrete Finishes *(03 35 29)*

03 35 29 00-0004	SF	2" Thick Marblecrete And Finish	43.41
03 35 29 00-0005	SF	4" Thick Marblecrete And Finish	58.19

03 35 33 Stamped Concrete Finishing *(03 35)*

03 35 33 00-0001 Stamped Concrete Finishes *(03 35 33)*

03 35 33 00-0002	SF	Up To 2,500 SF Stamped Concrete Finish	4.21
03 35 33 00-0003	SF	>2,500 To 10,000 SF Stamped Concrete Finish	3.82
03 35 33 00-0004	SF	>10,000 SF Stamped Concrete Finish	3.65

03 35 43 Polished Concrete Finishing *(03 35)*

03 35 43 00-0001 Concrete Floor Polishing System *(03 35 43)*

Note: The floor polishing system below may consist of one or multiple applications of each task/step below depending on existing conditions and desired results.

03 35 43 00-0002	SF	Mechanically Grind Concrete Floor With 40 Grit Metal Bonded Diamond Wheels	1.98
		For Up To 500, Add	*3.76*
		For >500 To 1,000, Add	*3.49*
		For >1,000 To 2,500, Add	*2.31*
		For >2,500 To 4,000, Add	*1.20*
		For >8,000 To 15,000, Deduct	*-0.47*
		For >15,000 To 25,000, Deduct	*-0.59*
		For >25,000, Deduct	*-0.83*
03 35 43 00-0003	SF	Mechanically Grind Concrete Floor With 80 Grit Metal Bonded Diamond Wheels	1.59
		For Up To 500, Add	*3.01*
		For >500 To 1,000, Add	*2.79*
		For >1,000 To 2,500, Add	*1.84*
		For >2,500 To 4,000, Add	*0.96*
		For >8,000 To 15,000, Deduct	*-0.37*
		For >15,000 To 25,000, Deduct	*-0.47*
		For >25,000, Deduct	*-0.67*
03 35 43 00-0004	SF	Mechanically Grind Concrete Floor With 100 Grit Resin Bonded Diamond Wheels	1.33
		For Up To 500, Add	*2.50*
		For >500 To 1,000, Add	*2.32*
		For >1,000 To 2,500, Add	*1.54*
		For >2,500 To 4,000, Add	*0.80*
		For >8,000 To 15,000, Deduct	*-0.31*
		For >15,000 To 25,000, Deduct	*-0.39*
		For >25,000, Deduct	*-0.55*
03 35 43 00-0005	SF	Mechanically Grind Concrete Floor With 150 Grit Metal Bonded Diamond Wheels	1.24
		For Up To 500, Add	*2.33*
		For >500 To 1,000, Add	*2.16*
		For >1,000 To 2,500, Add	*1.43*
		For >2,500 To 4,000, Add	*0.74*
		For >8,000 To 15,000, Deduct	*-0.29*
		For >15,000 To 25,000, Deduct	*-0.37*
		For >25,000, Deduct	*-0.52*
03 35 43 00-0006	SF	Mechanically Grind Concrete Floor With 200 Grit Resin Bonded Diamond Wheels	1.14
		For Up To 500, Add	*2.13*
		For >500 To 1,000, Add	*1.98*
		For >1,000 To 2,500, Add	*1.31*
		For >2,500 To 4,000, Add	*0.68*
		For >8,000 To 15,000, Deduct	*-0.26*
		For >15,000 To 25,000, Deduct	*-0.34*
		For >25,000, Deduct	*-0.47*
03 35 43 00-0007	SF	Mechanically Grind Concrete Floor With 400 Grit Resin Bonded Diamond Wheels	1.14
		For Up To 500, Add	*2.13*
		For >500 To 1,000, Add	*1.98*
		For >1,000 To 2,500, Add	*1.31*
		For >2,500 To 4,000, Add	*0.68*
		For >8,000 To 15,000, Deduct	*-0.26*
		For >15,000 To 25,000, Deduct	*-0.34*
		For >25,000, Deduct	*-0.47*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 43 00-0008	SF	Mechanically Grind Concrete Floor With 800 Grit Resin Bonded Diamond Wheels	1.14	
		For Up To 500, Add	*2.13*	
		For >500 To 1,000, Add	*1.98*	
		For >1,000 To 2,500, Add	*1.31*	
		For >2,500 To 4,000, Add	*0.68*	
		For >8,000 To 15,000, Deduct	*-0.26*	
		For >15,000 To 25,000, Deduct	*-0.34*	
		For >25,000, Deduct	*-0.47*	
03 35 43 00-0009	SF	Mechanically Grind Concrete Floor With 1,500 Grit Resin Bonded Diamond Wheels	1.14	
		For Up To 500, Add	*2.13*	
		For >500 To 1,000, Add	*1.98*	
		For >1,000 To 2,500, Add	*1.31*	
		For >2,500 To 4,000, Add	*0.68*	
		For >8,000 To 15,000, Deduct	*-0.26*	
		For >15,000 To 25,000, Deduct	*-0.34*	
		For >25,000, Deduct	*-0.47*	
03 35 43 00-0010	SF	High Speed Burnish Concrete Floor With Diamond Pads	0.28	
		For Up To 500, Add	*0.47*	
		For >500 To 1,000, Add	*0.43*	
		For >1,000 To 2,500, Add	*0.29*	
		For >2,500 To 4,000, Add	*0.15*	
		For >8,000 To 15,000, Deduct	*-0.06*	
		For >15,000 To 25,000, Deduct	*-0.07*	
		For >25,000, Deduct	*-0.10*	
03 35 43 00-0011	SF	Apply 1 Coat Of Concrete Densifier For Concrete Floor Polishing	0.60	
		For Up To 500, Add	*0.58*	
		For >500 To 1,000, Add	*0.54*	
		For >1,000 To 2,500, Add	*0.36*	
		For >2,500 To 4,000, Add	*0.19*	
		For >8,000 To 15,000, Deduct	*-0.07*	
		For >15,000 To 25,000, Deduct	*-0.09*	
		For >25,000, Deduct	*-0.13*	
03 35 43 00-0012	SF	Apply 2 Coats Of Concrete Densifier With Stain Protector For Concrete Floor Polishing	1.05	
		For Up To 500, Add	*0.85*	
		For >500 To 1,000, Add	*0.79*	
		For >1,000 To 2,500, Add	*0.52*	
		For >2,500 To 4,000, Add	*0.27*	
		For >8,000 To 15,000, Deduct	*-0.11*	
		For >15,000 To 25,000, Deduct	*-0.13*	
		For >25,000, Deduct	*-0.19*	
03 35 43 00-0013	SF	Concrete Floor Polishing Final Clean Up	0.15	
		For Up To 500, Add	*0.29*	
		For >500 To 1,000, Add	*0.27*	
		For >1,000 To 2,500, Add	*0.18*	
		For >2,500 To 4,000, Add	*0.09*	
		For >8,000 To 15,000, Deduct	*-0.04*	
		For >15,000 To 25,000, Deduct	*-0.05*	
		For >25,000, Deduct	*-0.06*	

03 35 63 Slip-Resistant Floor Finishing *(03 35)*

03 35 63 00-0001 Slip-Resistant Floor Finishing *(03 35 63)*

03 35 63 00-0002	SF	Aluminum Oxide Abrasive Floor Finish, 0.25 Lb./SF	1.67	
		For Up To 100, Add	*2.00*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.25*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000, Deduct	*-0.10*	
03 35 63 00-0003	SF	Silicone Carbide Abrasive Floor Finish 0.25 Lb./SF	1.49	
		For Up To 100, Add	*2.00*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.25*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000, Deduct	*-0.10*	

03 35 66 Acid Etch Floor Finishing *(03 35)*

03 35 66 00-0001 Acid Etch Floor *(03 35 66)*

03 35 66 00-0002	SF	Concrete Floor Finishes, Etch With Acid And Rinse	1.05	
		For Up To 100, Add	*0.96*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.12*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000, Deduct	*-0.05*	

03 35 83 Concrete Wall Finishing *(03 35)*

03 35 83 00-0001 Wall Finishes *(03 35 83)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 83 00-0002	SF	Burlap Rub With Grout, New Concrete Wall Finishes	1.85	
		For Up To 100, Add	*3.50*	
		For >100 To 250, Add	*0.88*	
		For >250 To 500, Add	*0.44*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000, Deduct	*-0.18*	
03 35 83 00-0003	SF	1/16" Float Finish, New Concrete Wall Finishes	2.78	
		For Up To 100, Add	*5.24*	
		For >100 To 250, Add	*1.31*	
		For >250 To 500, Add	*0.66*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000, Deduct	*-0.26*	
03 35 83 00-0004	SF	Etch With Acid And Rinse, New Concrete Wall Finishes	1.15	
		For Up To 100, Add	*1.16*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.15*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000, Deduct	*-0.06*	
03 35 83 00-0005	SF	Bush Hammer Green Concrete, New Concrete Wall Finishes	5.60	
		For Up To 100, Add	*11.10*	
		For >100 To 250, Add	*2.78*	
		For >250 To 500, Add	*1.39*	
		For >5,000 To 10,000, Deduct	*-0.28*	
		For >10,000, Deduct	*-0.56*	
03 35 83 00-0006	SF	Bush Hammer Cured Concrete, New Concrete Wall Finishes	8.68	
		For Up To 100, Add	*17.16*	
		For >100 To 250, Add	*4.29*	
		For >250 To 500, Add	*2.15*	
		For >5,000 To 10,000, Deduct	*-0.43*	
		For >10,000, Deduct	*-0.86*	
03 35 83 00-0007	SF	Break Ties And Patch, New Concrete Wall Finishes	1.07	
		For Up To 100, Add	*1.88*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.24*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000, Deduct	*-0.09*	
03 35 83 00-0008	SF	Carborundum Dry Rub, New Concrete Wall Finishes	3.62	
		For Up To 100, Add	*6.98*	
		For >100 To 250, Add	*1.75*	
		For >250 To 500, Add	*0.87*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000, Deduct	*-0.35*	
03 35 83 00-0009	SF	Carborundum Wet Rub, New Concrete Wall Finishes	5.53	
		For Up To 100, Add	*10.80*	
		For >100 To 250, Add	*2.70*	
		For >250 To 500, Add	*1.35*	
		For >5,000 To 10,000, Deduct	*-0.27*	
		For >10,000, Deduct	*-0.54*	
03 35 83 00-0010	SF	Up To 1/4" Penetration Abrasive Media Blasting, New Concrete Wall Finishes Note: 4.5 Lb. of sand or abrasive media material per SF	5.79	
		For Up To 100, Add	*9.28*	
		For >100 To 250, Add	*2.32*	
		For >250 To 500, Add	*1.16*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000, Deduct	*-0.46*	
03 35 83 00-0011	SF	>1/4" To 1/2" Penetration Abrasive Media Blasting, New Concrete Wall Finishes Note: 9 Lb. of sand abrasive media material per SF	11.59	
		For Up To 100, Add	*18.60*	
		For >100 To 250, Add	*4.65*	
		For >250 To 500, Add	*2.33*	
		For >5,000 To 10,000, Deduct	*-0.47*	
		For >10,000, Deduct	*-0.93*	

03 37 Specialty Placed Concrete *(03 30)*

Note: Includes gun finish. Not to be used for pumping concrete tasks. See CSI section 03 35 00 00-0000 for finishing.

03 37 13 Shotcrete *(03 37)*

03 37 13 00-0001 Shotcrete, Fiber Reinforced, Structural Repair *(03 37 13)*

03 37 13 00-0002	SF	1" Thick Shotcrete, Fiber Reinforced	3.68	
		For Up To 25, Add	*0.70*	
		For >25 To 50, Add	*0.41*	
		For >50 To 150, Add	*0.17*	
03 37 13 00-0003	SF	2" Thick Shotcrete, Fiber Reinforced	6.93	
		For Up To 25, Add	*1.30*	
		For >25 To 50, Add	*0.75*	
		For >50 To 150, Add	*0.30*	
03 37 13 00-0004	SF	3" Thick Shotcrete, Fiber Reinforced	9.79	
		For Up To 25, Add	*1.79*	
		For >25 To 50, Add	*1.03*	
		For >50 To 150, Add	*0.41*	
03 37 13 00-0005	SF	4" Thick Shotcrete, Fiber Reinforced	12.32	
		For Up To 25, Add	*2.21*	
		For >25 To 50, Add	*1.27*	
		For >50 To 150, Add	*0.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 37 13 00-0006	SF	6" Thick Shotcrete, Fiber Reinforced	16.63	
		For Up To 25, Add	*2.85*	
		For >25 To 50, Add	*1.62*	
		For >50 To 150, Add	*0.59*	

03 37 13 00-0007 Gunite (Dry Mix Shotcrete), Sprayed *(03 37 13)*

See CSI section 03 22 11 00-0001 for wire mesh reinforcing.

03 37 13 00-0008	SF	1" Thick Gunite (Dry Mix Shotcrete), Sprayed	4.07	
		For Radius Or Irregular Surface, Add	*1.23*	
		For Up To 25, Add	*0.87*	
		For >25 To 50, Add	*0.51*	
		For >50 To 150, Add	*0.23*	
03 37 13 00-0009	SF	2" Thick Gunite (Dry Mix Shotcrete), Sprayed	7.51	
		For Radius Or Irregular Surface, Add	*2.21*	
		For Up To 25, Add	*1.58*	
		For >25 To 50, Add	*0.93*	
		For >50 To 150, Add	*0.41*	
03 37 13 00-0010	SF	3" Thick Gunite (Dry Mix Shotcrete), Sprayed	10.44	
		For Radius Or Irregular Surface, Add	*2.99*	
		For Up To 25, Add	*2.16*	
		For >25 To 50, Add	*1.27*	
		For >50 To 150, Add	*0.56*	
03 37 13 00-0011	SF	4" Thick Gunite (Dry Mix Shotcrete), Sprayed	12.91	
		For Radius Or Irregular Surface, Add	*3.58*	
		For Up To 25, Add	*2.64*	
		For >25 To 50, Add	*1.54*	
		For >50 To 150, Add	*0.67*	
03 37 13 00-0012	SF	5" Thick Gunite (Dry Mix Shotcrete), Sprayed	15.02	
		For Radius Or Irregular Surface, Add	*4.03*	
		For Up To 25, Add	*3.01*	
		For >25 To 50, Add	*1.76*	
		For >50 To 150, Add	*0.76*	
03 37 13 00-0013	SF	6" Thick Gunite (Dry Mix Shotcrete), Sprayed	16.81	
		For Radius Or Irregular Surface, Add	*4.35*	
		For Up To 25, Add	*3.31*	
		For >25 To 50, Add	*1.93*	
		For >50 To 150, Add	*0.82*	
03 37 13 00-0014	SF	8" Thick Gunite (Dry Mix Shotcrete), Sprayed	20.97	
		For Radius Or Irregular Surface, Add	*5.22*	
		For Up To 25, Add	*4.06*	
		For >25 To 50, Add	*2.35*	
		For >50 To 150, Add	*0.98*	
03 37 13 00-0015	SF	10" Thick Gunite (Dry Mix Shotcrete), Sprayed	24.58	
		For Radius Or Irregular Surface, Add	*5.88*	
		For Up To 25, Add	*4.66*	
		For >25 To 50, Add	*2.70*	
		For >50 To 150, Add	*1.10*	
03 37 13 00-0016	SF	12" Thick Gunite (Dry Mix Shotcrete), Sprayed	27.72	
		For Radius Or Irregular Surface, Add	*6.34*	
		For Up To 25, Add	*5.15*	
		For >25 To 50, Add	*2.97*	
		For >50 To 150, Add	*1.19*	

03 37 16 Pumped Concrete *(03 37)*

03 37 16 00-0001 Concrete Pumping With Boom Truck *(03 37 16)*

Note: Includes truck rental, operator, and local travel delivery. For delivery/set-up of equipment add one hour, for clean-up of equipment add one hour. Use four hours as the minimum cost including set-up and clean-up. Excludes concrete, use "Concrete Pump" concrete tasks from appropriate section to place into pump hopper and place concrete. Sizes are measured at a 30 degree vertical reach. See CSI section 03 31 13 00-0010 for concrete placement.

03 37 16 00-0002	HR	55' To 60' Boom Truck For Concrete Placement (95 CY Per Hour Rating)	224.10	
03 37 16 00-0003	HR	70' To 80' Boom Truck For Concrete Placement (117 CY Per Hour Rating)	240.34	
03 37 16 00-0004	HR	90' To 100' Boom Truck For Concrete Placement (117 CY Per Hour Rating)	299.00	
03 37 16 00-0005	HR	105' To 115' Boom Truck For Concrete Placement (117 CY Per Hour Rating)	335.52	
03 37 16 00-0006	HR	120' To 130' Boom Truck For Concrete Placement (170 CY Per Hour Rating)	373.20	
03 37 16 00-0007	HR	135' To 140' Boom Truck For Concrete Placement (170 CY Per Hour Rating)	453.01	
03 37 16 00-0008	HR	148' To 155' Boom Truck For Concrete Placement (170 CY Per Hour Rating)	500.63	
03 37 16 00-0009	HR	170' To 175' Boom Truck For Concrete Placement (182 CY Per Hour Rating)	615.96	
03 37 16 00-0010	HR	35 CY/HR, 66 HP Trailer Mounted Concrete Pump Note: Includes hoses	161.85	

03 39 Concrete Curing *(03 30)*

03 39 13 Water Concrete Curing *(03 39)*

03 39 13 00-0001 Water Concrete Curing *(03 39 13)*

03 39 13 00-0002	SF	Water Based Curing, Sealing, Hardening And Dustproofing Compound Note: Coverage rates: rough finish = 300 SF/GAL, broom finish = 300 to 400 SF/GAL, steel troweled = 500 to 600 SF/GAL, and vertical surface = 400 - 500 SF/GAL.	0.39	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

03 39 23 Membrane Concrete Curing *(03 39)*

03 39 23 23 Sheet Membrane Concrete Curing *(03 39 23)*

03 39 23 23-0001 Warm Weather Concrete Curing Blankets *(03 39 23 23)*

03 39 23 23-0002	CSF	Warm Weather Concrete Curing Blankets	36.81	

03 39 23 23-0003 Cold Weather Concrete Curing Blankets *(03 39 23 23)*

03 39 23 23-0004	CSF	Electric, Cold Weather Concrete Curing Blanket	185.19	
03 39 23 23-0005	CSF	Non-Electric, Cold Weather Concrete Curing Blanket	41.00	

03 40 Precast Concrete *(03)*

Note: Precast concrete material prices are based on a precast operation producing large quantities of precast products. Includes the concrete panel, delivery to construction site and overhead/mobilization charges for the precast plant.

03 41 Precast Structural Concrete *(03 40)*

03 41 16 Precast Concrete Slabs *(03 41)*

03 41 16 00-0001 Flat Floor Slab/Floor Plank *(03 41 16)*

03 41 16 00-0002 Erection Costs For Using A 90 Ton Crawler Crane *(03 41 16 00-0001)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 16 00-0003	EA	Erect Precast Floor Deck, 0-2 Ton/Piece 150' Maximum Radius With 90 Ton Crane	370.94	296.78
03 41 16 00-0004	EA	Erect Precast Floor Deck, 2-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	412.37	329.83
03 41 16 00-0005	EA	Erect Precast Floor Deck, 3-4 Ton/Piece 105' Maximum Radius With 90 Ton Crane	437.87	350.28
03 41 16 00-0006	EA	Erect Precast Floor Deck, 4-5 Ton/Piece 88' Maximum Radius With 90 Ton Crane	464.19	371.38
03 41 16 00-0007	EA	Erect Precast Floor Deck, 5-6 Ton/Piece 82' Maximum Radius With 90 Ton Crane	496.77	397.40
03 41 16 00-0008	EA	Erect Precast Floor Deck, 6-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	530.92	424.73
03 41 16 00-0009	EA	Erect Precast Floor Deck, 7-8 Ton/Piece 70' Maximum Radius With 90 Ton Crane	570.11	456.06
03 41 16 00-0010	EA	Erect Precast Floor Deck, 8-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	620.05	496.01
03 41 16 00-0011	EA	Erect Precast Floor Deck, 9-10 Ton/Piece 60' Maximum Radius With 90 Ton Crane	674.19	539.41

03 41 16 00-0012 Material Cost *(03 41 16 00-0001)*

Note: Includes cost for 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations cost.

03 41 16 00-0013	SF	4" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect	33.15
		For 3,500 PSI Concrete, Add	*0.66*
		For 4,000 PSI Concrete, Add	*0.99*
		For 4,500 PSI Concrete, Add	*1.33*
		For 5,000 PSI Concrete, Add	*1.99*
03 41 16 00-0014	SF	5" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect	39.78
		For 3,500 PSI Concrete, Add	*0.80*
		For 4,000 PSI Concrete, Add	*1.19*
		For 4,500 PSI Concrete, Add	*1.59*
		For 5,000 PSI Concrete, Add	*2.39*
03 41 16 00-0015	SF	6" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect	48.62
		For 3,500 PSI Concrete, Add	*0.97*
		For 4,000 PSI Concrete, Add	*1.46*
		For 4,500 PSI Concrete, Add	*1.94*
		For 5,000 PSI Concrete, Add	*2.92*
03 41 16 00-0016	SF	8" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect	64.53
		For 3,500 PSI Concrete, Add	*1.29*
		For 4,000 PSI Concrete, Add	*1.94*
		For 4,500 PSI Concrete, Add	*2.58*
		For 5,000 PSI Concrete, Add	*3.87*

03 41 16 00-0017 Floor Units, Combination Beam And Slab *(03 41 16)*

03 41 16 00-0018 Erection Costs For Using 90 Ton Crawler Crane *(03 41 16 00-0017)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 16 00-0019	EA	Erect Precast Comb Deck, 0-5 Ton/Piece Beam And Slab, 88' Maximum Radius With 90 Ton Crane	456.06	364.82
03 41 16 00-0020	EA	Erect Precast Comb Deck, 5-10 Ton/Piece Beam And Slab, 60' Maximum Radius With 90 Ton Crane	497.07	397.71
03 41 16 00-0021	EA	Erect Precast Comb Deck, 10-15 Ton/Piece Beam And Slab, 43' Maximum Radius With 90 Ton Crane	549.40	439.47
03 41 16 00-0022	EA	Erect Precast Comb Deck, 15-20 Ton/Piece Beam And Slab, 36' Maximum Radius With 90 Ton Crane	610.04	488.00
03 41 16 00-0023	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 31' Maximum Radius With 90 Ton Crane	685.75	548.55

03 41 16 00-0024 Erection Costs Using A 125 Ton Crawler Crane *(03 41 16 00-0017)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 16 00-0025	EA	Erect Precast Comb Deck, 0-5 Ton/Piece Beam And Slab, 110' Maximum Radius, 125 Ton Crane	575.32	460.29
03 41 16 00-0026	EA	Erect Precast Comb Deck, 5-10 Ton/Piece Beam And Slab, 75' Maximum Radius, 125 Ton Crane	627.07	501.62
03 41 16 00-0027	EA	Erect Precast Comb Deck, 10-15 Ton/Piece Beam And Slab, 55' Maximum Radius, 125 Ton Crane	693.08	554.51
03 41 16 00-0028	EA	Erect Precast Comb Deck, 15-20 Ton/Piece Beam And Slab, 50' Maximum Radius, 125 Ton Crane	769.59	615.69
03 41 16 00-0029	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 40' Maximum Radius, 125 Ton Crane	865.09	692.14
03 41 16 00-0030	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 33' Maximum Radius, 125 Ton Crane	940.60	752.43

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 16 00-0031	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 30' Maximum Radius, 125 Ton Crane	1,039.62	831.69
03 41 16 00-0032	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 28' Maximum Radius, 125 Ton Crane	1,150.65	920.58
03 41 16 00-0033	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 26' Maximum Radius, 125 Ton Crane	1,302.38	1,041.91

03 41 16 00-0034 Material Cost *(03 41 16 00-0017)*

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operation.

03 41 16 00-0035 4" Slab *(03 41 16 00-0034)*

03 41 16 00-0036	CY	Precast Combination Deck, 4" Slab With Beams Edge Beam Only, 3,000 PSI Concrete	3,491.56
		For 3,500 PSI Concrete, Add	*69.83*
		For 4,000 PSI Concrete, Add	*104.75*
		For 4,500 PSI Concrete, Add	*139.66*
		For 5,000 PSI Concrete, Add	*209.49*
03 41 16 00-0037	CY	Precast Combination Deck, 4" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete	3,535.76
		For 3,500 PSI Concrete, Add	*70.72*
		For 4,000 PSI Concrete, Add	*106.07*
		For 4,500 PSI Concrete, Add	*141.43*
		For 5,000 PSI Concrete, Add	*212.15*
03 41 16 00-0038	CY	Precast Combination Deck, 4" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete	3,977.73
		For 3,500 PSI Concrete, Add	*79.55*
		For 4,000 PSI Concrete, Add	*119.33*
		For 4,500 PSI Concrete, Add	*159.11*
		For 5,000 PSI Concrete, Add	*238.66*

03 41 16 00-0039 5" Slab *(03 41 16 00-0034)*

03 41 16 00-0040	CY	Precast Combination Deck, 5" Slab With Beams Edge Beam Only, 3,000 PSI Concrete	3,579.95
		For 3,500 PSI Concrete, Add	*71.60*
		For 4,000 PSI Concrete, Add	*107.40*
		For 4,500 PSI Concrete, Add	*143.20*
		For 5,000 PSI Concrete, Add	*214.80*
03 41 16 00-0041	CY	Precast Combination Deck, 5" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete	3,712.54
		For 3,500 PSI Concrete, Add	*74.25*
		For 4,000 PSI Concrete, Add	*111.38*
		For 4,500 PSI Concrete, Add	*148.50*
		For 5,000 PSI Concrete, Add	*222.75*
03 41 16 00-0042	CY	Precast Combination Deck, 5" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete	4,729.07
		For 3,500 PSI Concrete, Add	*94.58*
		For 4,000 PSI Concrete, Add	*141.87*
		For 4,500 PSI Concrete, Add	*189.16*
		For 5,000 PSI Concrete, Add	*283.74*

03 41 16 00-0043 6" Slab *(03 41 16 00-0034)*

03 41 16 00-0044	CY	Precast Combination Deck, 6" Slab With Beams Edge Beam Only, 3,000 PSI Concrete	3,712.54
		For 3,500 PSI Concrete, Add	*74.25*
		For 4,000 PSI Concrete, Add	*111.38*
		For 4,500 PSI Concrete, Add	*148.50*
		For 5,000 PSI Concrete, Add	*222.75*
03 41 16 00-0045	CY	Precast Combination Deck, 6" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete	4,419.69
		For 3,500 PSI Concrete, Add	*88.39*
		For 4,000 PSI Concrete, Add	*132.59*
		For 4,500 PSI Concrete, Add	*176.79*
		For 5,000 PSI Concrete, Add	*265.18*
03 41 16 00-0046	CY	Precast Combination Deck, 6" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete	5,392.03
		For 3,500 PSI Concrete, Add	*107.84*
		For 4,000 PSI Concrete, Add	*161.76*
		For 4,500 PSI Concrete, Add	*215.68*
		For 5,000 PSI Concrete, Add	*323.52*

03 41 19 Precast Concrete Wall Panels *(03 41)*

03 41 19 00-0001 Structural Wall Panels *(03 41 19)*

Note: Gray, smooth form or board finish one side.

03 41 19 00-0002 Erection Cost Using 50 Ton Hydraulic Crane *(03 41 19 00-0001)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.

03 41 19 00-0003	EA	Erect Precast Wall Panel 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane	365.46	292.39
03 41 19 00-0004	EA	Erect Precast Wall Panel 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane	406.27	324.95
03 41 19 00-0005	EA	Erect Precast Wall Panel 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane	457.33	365.89
03 41 19 00-0006	EA	Erect Precast Wall Panel 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane	489.42	391.52
03 41 19 00-0007	EA	Erect Precast Wall Panel 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane	523.06	418.45
03 41 19 00-0008	EA	Erect Precast Wall Panel 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane	561.68	449.31
03 41 19 00-0009	EA	Erect Precast Wall Panel 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane	610.87	488.67
03 41 19 00-0010	EA	Erect Precast Wall Panel 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane	664.21	531.43

03 41 19 00-0011 Erection Cost Using 90 Ton Crawler Crane *(03 41 19 00-0001)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.

03 41 19 00-0012	EA	Erect Precast Wall Panel 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane	410.25	328.16

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0013	EA	Erect Precast Wall Panel 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	456.06	364.82
03 41 19 00-0014	EA	Erect Precast Wall Panel 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	513.37	410.75
03 41 19 00-0015	EA	Erect Precast Wall Panel 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	549.40	439.47
03 41 19 00-0016	EA	Erect Precast Wall Panel 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	587.17	469.74
03 41 19 00-0017	EA	Erect Precast Wall Panel 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane	630.52	504.44
03 41 19 00-0018	EA	Erect Precast Wall Panel 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane	685.75	548.55
03 41 19 00-0019	EA	Erect Precast Wall Panel 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane	745.62	596.44
03 41 19 00-0020	EA	Erect Precast Wall Panel 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane	824.10	659.33
03 41 19 00-0021	EA	Erect Precast Wall Panel 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane	912.11	729.66
03 41 19 00-0022	EA	Erect Precast Wall Panel 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane	1,032.39	825.95
03 41 19 00-0023	EA	Erect Precast Wall Panel 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane	1,174.34	939.47
03 41 19 00-0024	EA	Erect Precast Wall Panel 35-40 Ton/Piece 23' Maximum Radius With 90 Ton Crane	1,361.55	1,089.27

03 41 19 00-0025 Material Cost *(03 41 19 00-0001)*

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations.

03 41 19 00-0026	SF	4" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect	44.20
		For 3,500 PSI Concrete, Add	*0.88*
		For 4,000 PSI Concrete, Add	*1.33*
		For 4,500 PSI Concrete, Add	*1.77*
		For 5,000 PSI Concrete, Add	*2.65*
		For White Facing, Add	*8.84*
		For Solid White Through Thickness, Add	*8.84*
		For Broken Rib Finish, Add	*4.42*
		For Fluted Surface, Add	*4.42*
		For Exposed Aggregate, Add	*8.84*
		For Sandblasting Of Surface, Add	*4.42*
		For 2" Polystyrene Insulation, Add	*2.19*
03 41 19 00-0027	SF	5" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect	54.36
		For 3,500 PSI Concrete, Add	*1.09*
		For 4,000 PSI Concrete, Add	*1.63*
		For 4,500 PSI Concrete, Add	*2.17*
		For 5,000 PSI Concrete, Add	*3.26*
		For White Facing, Add	*10.87*
		For Solid White Through Thickness, Add	*10.87*
		For Broken Rib Finish, Add	*5.44*
		For Fluted Surface, Add	*5.44*
		For Exposed Aggregate, Add	*10.87*
		For Sandblasting Of Surface, Add	*5.44*
		For 2" Polystyrene Insulation, Add	*2.19*
03 41 19 00-0028	SF	6" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect	65.41
		For 3,500 PSI Concrete, Add	*1.31*
		For 4,000 PSI Concrete, Add	*1.96*
		For 4,500 PSI Concrete, Add	*2.62*
		For 5,000 PSI Concrete, Add	*3.92*
		For White Facing, Add	*13.08*
		For Solid White Through Thickness, Add	*13.08*
		For Broken Rib Finish, Add	*6.54*
		For Fluted Surface, Add	*6.54*
		For Exposed Aggregate, Add	*13.08*
		For Sandblasting Of Surface, Add	*6.54*
		For 2" Polystyrene Insulation, Add	*2.19*
03 41 19 00-0029	SF	8" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect	86.18
		For 3,500 PSI Concrete, Add	*1.72*
		For 4,000 PSI Concrete, Add	*2.59*
		For 4,500 PSI Concrete, Add	*3.45*
		For 5,000 PSI Concrete, Add	*5.17*
		For White Facing, Add	*17.24*
		For Solid White Through Thickness, Add	*17.24*
		For Broken Rib Finish, Add	*8.62*
		For Fluted Surface, Add	*8.62*
		For Exposed Aggregate, Add	*17.24*
		For Sandblasting Of Surface, Add	*8.62*
		For 2" Polystyrene Insulation, Add	*2.19*

03 41 19 00-0030 Partition Panels *(03 41 19)*

03 41 19 00-0031 Erection Costs Using 20 Ton Hydraulic Crane *(03 41 19 00-0030)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 19 00-0032	EA	Erect Precast Partition Wall 0-1 Ton/Piece 69' Maximum Radius With 20 Ton Crane	291.88	233.46
03 41 19 00-0033	EA	Erect Precast Partition Wall 1-2 Ton/Piece 50' Maximum Radius With 20 Ton Crane	324.46	259.60
03 41 19 00-0034	EA	Erect Precast Partition Wall 2-3 Ton/Piece 41' Maximum Radius With 20 Ton Crane	365.24	292.18
03 41 19 00-0035	EA	Erect Precast Partition Wall 3-4 Ton/Piece 33' Maximum Radius With 20 Ton Crane	417.74	334.19
03 41 19 00-0036	EA	Erect Precast Partition Wall 4-5 Ton/Piece 30' Maximum Radius With 20 Ton Crane	448.58	358.90
03 41 19 00-0037	EA	Erect Precast Partition Wall 5-6 Ton/Piece 26' Maximum Radius With 20 Ton Crane	487.87	390.29
03 41 19 00-0038	EA	Erect Precast Partition Wall 6-7 Ton/Piece 23' Maximum Radius With 20 Ton Crane	530.47	424.43
03 41 19 00-0039	EA	Erect Precast Partition Wall 7-8 Ton/Piece 20' Maximum Radius With 20 Ton Crane	586.31	469.06

03 41 19 00-0040 Erection Costs Using 50 Ton Hydraulic Crane *(03 41 19 00-0030)*

Note: Includes handling, hoisting in place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0041	EA	Erect Precast Partition Wall 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane	365.46	292.39
03 41 19 00-0042	EA	Erect Precast Partition Wall 1-2 Ton/Piece 82' Maximum Radius With 50 Ton Crane	406.27	324.95
03 41 19 00-0043	EA	Erect Precast Partition Wall 2-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane	457.33	365.89
03 41 19 00-0044	EA	Erect Precast Partition Wall 3-4 Ton/Piece 57' Maximum Radius With 50 Ton Crane	523.06	418.45
03 41 19 00-0045	EA	Erect Precast Partition Wall 4-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane	561.68	449.31
03 41 19 00-0046	EA	Erect Precast Partition Wall 5-6 Ton/Piece 44' Maximum Radius With 50 Ton Crane	610.87	488.67
03 41 19 00-0047	EA	Erect Precast Partition Wall 6-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane	664.21	531.43
03 41 19 00-0048	EA	Erect Precast Partition Wall 7-8 Ton/Piece 36' Maximum Radius With 50 Ton Crane	734.13	587.27
03 41 19 00-0049	EA	Erect Precast Partition Wall 8-10 Ton/Piece 31' Maximum Radius With 50 Ton Crane	812.53	650.04
03 41 19 00-0050	EA	Erect Precast Partition Wall 10-12 Ton/Piece 26' Maximum Radius With 50 Ton Crane	919.67	735.69
03 41 19 00-0051	EA	Erect Precast Partition Wall 12-14 Ton/Piece 25' Maximum Radius With 50 Ton Crane	1,046.14	836.91
03 41 19 00-0052	EA	Erect Precast Partition Wall 14-16 Ton/Piece 21' Maximum Radius With 50 Ton Crane	1,212.91	970.29

03 41 19 00-0053 Material Cost *(03 41 19 00-0030)*

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations.

03 41 19 00-0054	SF	4" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect	41.99
		For 4,000 PSI Concrete, Add	*1.26*
		For 4,500 PSI Concrete, Add	*1.68*
		For 5,000 PSI Concrete, Add	*2.52*
		For White Facing, Add	*8.40*
		For Solid White Through Thickness, Add	*8.40*
		For Broken Rib Finish, Add	*4.20*
		For Fluted Surface, Add	*4.20*
		For Exposed Aggregate, Add	*8.40*
		For Sandblasting Of Surface, Add	*4.20*
03 41 19 00-0055	SF	5" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect	51.71
		For 4,000 PSI Concrete, Add	*1.55*
		For 4,500 PSI Concrete, Add	*2.07*
		For 5,000 PSI Concrete, Add	*3.10*
		For White Facing, Add	*10.34*
		For Solid White Through Thickness, Add	*10.34*
		For Broken Rib Finish, Add	*5.17*
		For Fluted Surface, Add	*5.17*
		For Exposed Aggregate, Add	*10.34*
		For Sandblasting Of Surface, Add	*5.17*
03 41 19 00-0056	SF	6" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect	61.88
		For 4,000 PSI Concrete, Add	*1.86*
		For 4,500 PSI Concrete, Add	*2.48*
		For 5,000 PSI Concrete, Add	*3.71*
		For White Facing, Add	*12.38*
		For Solid White Through Thickness, Add	*12.38*
		For Broken Rib Finish, Add	*6.19*
		For Fluted Surface, Add	*6.19*
		For Exposed Aggregate, Add	*12.38*
		For Sandblasting Of Surface, Add	*6.19*
03 41 19 00-0057	SF	8" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect	81.76
		For 4,000 PSI Concrete, Add	*2.45*
		For 4,500 PSI Concrete, Add	*3.27*
		For 5,000 PSI Concrete, Add	*4.91*
		For White Facing, Add	*16.35*
		For Solid White Through Thickness, Add	*16.35*
		For Broken Rib Finish, Add	*8.18*
		For Fluted Surface, Add	*8.18*
		For Exposed Aggregate, Add	*16.35*
		For Sandblasting Of Surface, Add	*8.18*

03 41 19 00-0058 Cladding Panels *(03 41 19)*

03 41 19 00-0059 Erection Costs Using 50 Ton Hydraulic Crane *(03 41 19 00-0058)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 19 00-0060	EA	Erect Precast Cladding 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane	385.67	308.48
03 41 19 00-0061	EA	Erect Precast Cladding 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane	431.39	345.10
03 41 19 00-0062	EA	Erect Precast Cladding 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane	489.42	391.52
03 41 19 00-0063	EA	Erect Precast Cladding 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane	523.06	418.45
03 41 19 00-0064	EA	Erect Precast Cladding 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane	561.68	449.31
03 41 19 00-0065	EA	Erect Precast Cladding 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane	610.87	488.67
03 41 19 00-0066	EA	Erect Precast Cladding 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane	664.21	531.43
03 41 19 00-0067	EA	Erect Precast Cladding 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane	734.13	587.27

03 41 19 00-0068 Erection Costs Using 90 Ton Crawler Crane *(03 41 19 00-0058)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 19 00-0069	EA	Erect Precast Cladding 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane	432.94	346.30
03 41 19 00-0070	EA	Erect Precast Cladding 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	484.26	387.40
03 41 19 00-0071	EA	Erect Precast Cladding 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	549.40	439.47
03 41 19 00-0072	EA	Erect Precast Cladding 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	587.17	469.74
03 41 19 00-0073	EA	Erect Precast Cladding 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	630.52	504.44
03 41 19 00-0074	EA	Erect Precast Cladding 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane	685.75	548.55
03 41 19 00-0075	EA	Erect Precast Cladding 11-13 Ton/Piece 90' Maximum Radius With 90 Ton Crane	745.62	596.44

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0076	EA	Erect Precast Cladding 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane	824.10	659.33
03 41 19 00-0077	EA	Erect Precast Cladding 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane	912.11	729.66
03 41 19 00-0078	EA	Erect Precast Cladding 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane	1,032.39	825.95
03 41 19 00-0079	EA	Erect Precast Cladding 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane	1,174.34	939.47
03 41 19 00-0080	EA	Erect Precast Cladding 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane	1,361.55	1,089.27

03 41 19 00-0081 Material Cost *(03 41 19 00-0058)*

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations.

03 41 19 00-0082	SF	4" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect	41.99
		For 3,500 PSI Concrete, Add	*0.84*
		For 4,000 PSI Concrete, Add	*1.26*
		For 4,500 PSI Concrete, Add	*1.68*
		For 5,000 PSI Concrete, Add	*2.52*
		For White Facing, Add	*8.40*
		For Solid White Through Thickness, Add	*8.40*
		For Broken Rib Finish, Add	*4.20*
		For Fluted Surface, Add	*4.20*
		For Exposed Aggregate, Add	*8.40*
		For Sandblasting Of Surface, Add	*4.20*
03 41 19 00-0083	SF	5" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect	51.71
		For 3,500 PSI Concrete, Add	*1.03*
		For 4,000 PSI Concrete, Add	*1.55*
		For 4,500 PSI Concrete, Add	*2.07*
		For 5,000 PSI Concrete, Add	*3.10*
		For White Facing, Add	*10.34*
		For Solid White Through Thickness, Add	*10.34*
		For Broken Rib Finish, Add	*5.17*
		For Fluted Surface, Add	*5.17*
		For Exposed Aggregate, Add	*10.34*
		For Sandblasting Of Surface, Add	*5.17*
03 41 19 00-0084	SF	6" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect	61.88
		For 3,500 PSI Concrete, Add	*1.24*
		For 4,000 PSI Concrete, Add	*1.86*
		For 4,500 PSI Concrete, Add	*2.48*
		For 5,000 PSI Concrete, Add	*3.71*
		For White Facing, Add	*12.38*
		For Solid White Through Thickness, Add	*12.38*
		For Broken Rib Finish, Add	*6.19*
		For Fluted Surface, Add	*6.19*
		For Exposed Aggregate, Add	*12.38*
		For Sandblasting Of Surface, Add	*6.19*
03 41 19 00-0085	SF	8" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect	81.76
		For 3,500 PSI Concrete, Add	*1.64*
		For 4,000 PSI Concrete, Add	*2.45*
		For 4,500 PSI Concrete, Add	*3.27*
		For 5,000 PSI Concrete, Add	*4.91*
		For White Facing, Add	*16.35*
		For Solid White Through Thickness, Add	*16.35*
		For Broken Rib Finish, Add	*8.18*
		For Fluted Surface, Add	*8.18*
		For Exposed Aggregate, Add	*16.35*
		For Sandblasting Of Surface, Add	*8.18*

03 41 19 00-0086 Sandwich Panel *(03 41 19)*

03 41 19 00-0087 Erection Costs Using 50 Ton Hydraulic Crane *(03 41 19 00-0086)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 19 00-0088	EA	Erect Precast Sandwich Panel 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane	385.67	308.48
03 41 19 00-0089	EA	Erect Precast Sandwich Panel 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane	431.39	345.10
03 41 19 00-0090	EA	Erect Precast Sandwich Panel 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane	489.42	391.52
03 41 19 00-0091	EA	Erect Precast Sandwich Panel 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane	523.06	418.45
03 41 19 00-0092	EA	Erect Precast Sandwich Panel 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane	561.68	449.31
03 41 19 00-0093	EA	Erect Precast Sandwich Panel 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane	610.87	488.67
03 41 19 00-0094	EA	Erect Precast Sandwich Panel 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane	664.21	531.43
03 41 19 00-0095	EA	Erect Precast Sandwich Panel 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane	734.13	587.27

03 41 19 00-0096 Erection Costs Using 90 Ton Crawler Crane *(03 41 19 00-0086)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 19 00-0097	EA	Erect Precast Sandwich Panel 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane	391.46	313.11
03 41 19 00-0098	EA	Erect Precast Sandwich Panel 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	437.87	350.28
03 41 19 00-0099	EA	Erect Precast Sandwich Panel 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	496.77	397.40
03 41 19 00-0100	EA	Erect Precast Sandwich Panel 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	530.92	424.73
03 41 19 00-0101	EA	Erect Precast Sandwich Panel 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	570.11	456.06
03 41 19 00-0102	EA	Erect Precast Sandwich Panel 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane	620.05	496.01
03 41 19 00-0103	EA	Erect Precast Sandwich Panel 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane	674.19	539.41
03 41 19 00-0104	EA	Erect Precast Sandwich Panel 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane	745.15	596.09
03 41 19 00-0105	EA	Erect Precast Sandwich Panel 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane	824.72	659.80
03 41 19 00-0106	EA	Erect Precast Sandwich Panel 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane	933.48	746.74
03 41 19 00-0107	EA	Erect Precast Sandwich Panel 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane	1,061.84	849.47

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0108	EA	Erect Precast Sandwich Panel 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane	1,231.12	984.86

03 41 19 00-0109 Material Cost *(03 41 19 00-0086)*

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations. Sandwich panel consists of 2.5" cladding panel, 2" fiber board insulation and the structural panel as defined.

03 41 19 00-0110	SF	4" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	57.46
		For 3,500 PSI Concrete, Add	*1.15*
		For 4,000 PSI Concrete, Add	*1.72*
		For 4,500 PSI Concrete, Add	*2.30*
		For 5,000 PSI Concrete, Add	*3.45*
		For White Facing, Add	*11.49*
		For Solid White Through Thickness, Add	*11.49*
		For Broken Rib Finish, Add	*5.75*
		For Fluted Surface, Add	*5.75*
		For Exposed Aggregate, Add	*11.49*
		For Sandblasting Of Surface, Add	*5.75*
03 41 19 00-0111	SF	5" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	67.62
		For 3,500 PSI Concrete, Add	*1.35*
		For 4,000 PSI Concrete, Add	*2.03*
		For 4,500 PSI Concrete, Add	*2.70*
		For 5,000 PSI Concrete, Add	*4.06*
		For White Facing, Add	*13.52*
		For Solid White Through Thickness, Add	*13.52*
		For Broken Rib Finish, Add	*6.76*
		For Fluted Surface, Add	*6.76*
		For Exposed Aggregate, Add	*13.52*
		For Sandblasting Of Surface, Add	*6.76*
03 41 19 00-0112	SF	6" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	78.67
		For 3,500 PSI Concrete, Add	*1.57*
		For 4,000 PSI Concrete, Add	*2.36*
		For 4,500 PSI Concrete, Add	*3.15*
		For 5,000 PSI Concrete, Add	*4.72*
		For White Facing, Add	*15.73*
		For Solid White Through Thickness, Add	*15.73*
		For Broken Rib Finish, Add	*7.87*
		For Fluted Surface, Add	*7.87*
		For Exposed Aggregate, Add	*15.73*
		For Sandblasting Of Surface, Add	*7.87*
03 41 19 00-0113	SF	8" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	99.44
		For 3,500 PSI Concrete, Add	*1.99*
		For 4,000 PSI Concrete, Add	*2.98*
		For 4,500 PSI Concrete, Add	*3.98*
		For 5,000 PSI Concrete, Add	*5.97*
		For White Facing, Add	*19.89*
		For Solid White Through Thickness, Add	*19.89*
		For Broken Rib Finish, Add	*9.94*
		For Fluted Surface, Add	*9.94*
		For Exposed Aggregate, Add	*19.89*
		For Sandblasting Of Surface, Add	*9.94*

03 41 23 Precast Concrete Stairs *(03 41)*

03 41 23 00-0001 Erection Costs Using A 50 Ton Hydraulic Crane *(03 41 23)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 23 00-0002	EA	Erect Precast Stairs, 0-2 Ton/Piece 82' Maximum Radius With 50 Ton Crane	406.27	324.95
03 41 23 00-0003	EA	Erect Precast Stairs, 2-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane	431.39	345.10
03 41 23 00-0004	EA	Erect Precast Stairs, 3-4 Ton/Piece 57' Maximum Radius With 50 Ton Crane	457.33	365.89
03 41 23 00-0005	EA	Erect Precast Stairs, 4-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane	489.42	391.52
03 41 23 00-0006	EA	Erect Precast Stairs, 5-6 Ton/Piece 44' Maximum Radius With 50 Ton Crane	523.06	418.45
03 41 23 00-0007	EA	Erect Precast Stairs, 6-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane	561.68	449.31
03 41 23 00-0008	EA	Erect Precast Stairs, 7-8 Ton/Piece 36' Maximum Radius With 50 Ton Crane	610.87	488.67
03 41 23 00-0009	EA	Erect Precast Stairs, 8-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane	664.21	531.43

03 41 23 00-0010 Erection Costs Using A 90 Ton Crawler Crane *(03 41 23)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 23 00-0011	EA	Erect Precast Stairs, 0-2 Ton/Piece 151' Maximum Radius With 90 Ton Crane	406.27	324.95
03 41 23 00-0012	EA	Erect Precast Stairs, 2-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	431.39	345.10
03 41 23 00-0013	EA	Erect Precast Stairs, 3-4 Ton/Piece 105' Maximum Radius With 90 Ton Crane	457.33	365.89
03 41 23 00-0014	EA	Erect Precast Stairs, 4-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	489.42	391.52
03 41 23 00-0015	EA	Erect Precast Stairs, 5-6 Ton/Piece 82' Maximum Radius With 90 Ton Crane	523.06	418.45
03 41 23 00-0016	EA	Erect Precast Stairs, 6-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	561.68	449.31
03 41 23 00-0017	EA	Erect Precast Stairs, 7-8 Ton/Piece 70' Maximum Radius With 90 Ton Crane	610.87	488.67
03 41 23 00-0018	EA	Erect Precast Stairs, 8-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	664.21	531.43

03 41 23 00-0019 Material Cost *(03 41 23)*

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast operations.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 23 00-0020	EA	3' Wide With 10-1/2" Depth Treads Precast Concrete Stair Unit, Per Riser	885.75	
		For 3,500 PSI Concrete, Add	*115.59*	
		For 4,000 PSI Concrete, Add	*217.19*	
		For 4,500 PSI Concrete, Add	*319.22*	
		For 5,000 PSI Concrete, Add	*434.28*	

03 41 26 Precast Concrete Structural Sections *(03 41)*

03 41 26 00-0001 Precast Beams, Girder And Joists *(03 41 26)*

03 41 26 00-0002 Erection Costs Using A 90 Ton Crawler Crane *(03 41 26 00-0001)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 26 00-0003	EA	Erect Precast Structural Sections, 0-5 Ton/Piece Beam, Girder, Joist; 89' Maximum Radius, 90 Ton Crane	513.37	410.75
03 41 26 00-0004	EA	Erect Precast Structural Sections, 5-10 Ton/Piece Beam, Girder, Joist; 60' Maximum Radius, 90 Ton Crane	549.40	439.47
03 41 26 00-0005	EA	Erect Precast Structural Sections, 10-15 Ton/Piece Beam, Girder, Joist; 43' Maximum Radius, 90 Ton Crane	587.17	469.74
03 41 26 00-0006	EA	Erect Precast Structural Sections, 15-20 Ton/Piece Beam, Girder, Joist; 36' Maximum Radius, 90 Ton Crane	630.52	504.44

03 41 26 00-0007 Erection Costs Using A 125 Ton Crawler Crane *(03 41 26 00-0001)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 26 00-0008	EA	Erect Precast Structural Sections, 0-5 Ton/Piece Beam, Girder, Joist; 110' Maximum Radius, 125 Ton Crane	647.63	518.06
03 41 26 00-0009	EA	Erect Precast Structural Sections, 5-10 Ton/Piece Beam, Girder, Joist; 75' Maximum Radius, 125 Ton Crane	693.08	554.51
03 41 26 00-0010	EA	Erect Precast Structural Sections, 10-15 Ton/Piece Beam, Girder, Joist; 55' Maximum Radius, 125 Ton Crane	740.73	592.59
03 41 26 00-0011	EA	Erect Precast Structural Sections, 15-20 Ton/Piece Beam, Girder, Joist; 50' Maximum Radius, 125 Ton Crane	795.41	636.28
03 41 26 00-0012	EA	Erect Precast Structural Sections, 20-25 Ton/Piece Beam, Girder, Joist; 40' Maximum Radius, 125 Ton Crane	865.09	692.14
03 41 26 00-0013	EA	Erect Precast Structural Sections, 25-30 Ton/Piece Beam, Girder, Joist; 33' Maximum Radius, 125 Ton Crane	940.60	752.43
03 41 26 00-0014	EA	Erect Precast Structural Sections, 30-35 Ton/Piece Beam, Girder, Joist; 30' Maximum Radius, 125 Ton Crane	1,039.62	831.69
03 41 26 00-0015	EA	Erect Precast Structural Sections, 35-40 Ton/Piece Beam, Girder, Joist; 28' Maximum Radius, 125 Ton Crane	1,150.65	920.58

03 41 26 00-0016 Material Cost *(03 41 26 00-0001)*

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations.

03 41 26 00-0017 1,000 Lb./LF Live Load *(03 41 26 00-0016)*

03 41 26 00-0018	LF	Precast Structural Sections, 1,000 Lb./LF, 15' Span Live Load, Span, 3,000 PSI	177.13	
		For 3,500 PSI Concrete, Add	*4.84*	
		For 4,000 PSI Concrete, Add	*7.26*	
		For 4,500 PSI Concrete, Add	*9.67*	
		For 5,000 PSI Concrete, Add	*14.52*	
03 41 26 00-0019	LF	Precast Structural Sections, 1,000 Lb./LF, 20' Span Live Load, Span, 3,000 PSI	221.41	
		For 3,500 PSI Concrete, Add	*6.04*	
		For 4,000 PSI Concrete, Add	*9.08*	
		For 4,500 PSI Concrete, Add	*12.09*	
		For 5,000 PSI Concrete, Add	*18.16*	
03 41 26 00-0020	LF	Precast Structural Sections, 1,000 Lb./LF, 30' Span Live Load, Span, 3,000 PSI	265.69	
		For 3,500 PSI Concrete, Add	*7.25*	
		For 4,000 PSI Concrete, Add	*10.89*	
		For 4,500 PSI Concrete, Add	*14.51*	
		For 5,000 PSI Concrete, Add	*21.79*	

03 41 26 00-0021 3,000 Lb./LF Live Load *(03 41 26 00-0016)*

03 41 26 00-0022	LF	Precast Structural Sections, 3,000 Lb./LF, 15' Span Live Load, Span, 3,000 PSI	221.41	
		For 3,500 PSI Concrete, Add	*6.04*	
		For 4,000 PSI Concrete, Add	*9.08*	
		For 4,500 PSI Concrete, Add	*12.09*	
		For 5,000 PSI Concrete, Add	*18.16*	
03 41 26 00-0023	LF	Precast Structural Sections, 3,000 Lb./LF, 20' Span Live Load, Span, 3,000 PSI	265.69	
		For 3,500 PSI Concrete, Add	*7.25*	
		For 4,000 PSI Concrete, Add	*10.89*	
		For 4,500 PSI Concrete, Add	*14.51*	
		For 5,000 PSI Concrete, Add	*21.79*	
03 41 26 00-0024	LF	Precast Structural Sections, 3,000 Lb./LF, 30' Span Live Load, Span, 3,000 PSI	354.25	
		For 3,500 PSI Concrete, Add	*9.67*	
		For 4,000 PSI Concrete, Add	*14.52*	
		For 4,500 PSI Concrete, Add	*19.34*	
		For 5,000 PSI Concrete, Add	*29.05*	

03 41 26 00-0025 5,000 Lb./LF Live Load *(03 41 26 00-0016)*

03 41 26 00-0026	LF	Precast Structural Sections, 5,000 Lb./LF, 15' Span Live Load, Span, 3,000 PSI	309.97	
		For 3,500 PSI Concrete, Add	*8.46*	
		For 4,000 PSI Concrete, Add	*12.71*	
		For 4,500 PSI Concrete, Add	*16.92*	
		For 5,000 PSI Concrete, Add	*25.42*	
03 41 26 00-0027	LF	Precast Structural Sections, 5,000 Lb./LF, 20' Span Live Load, Span, 3,000 PSI	354.25	
		For 3,500 PSI Concrete, Add	*9.67*	
		For 4,000 PSI Concrete, Add	*14.52*	
		For 4,500 PSI Concrete, Add	*19.34*	
		For 5,000 PSI Concrete, Add	*29.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 26 00-0028	LF	Precast Structural Sections, 5,000 Lb./LF, 30' Span Live Load, Span, 3,000 PSI	442.81	
		For 3,500 PSI Concrete, Add	*12.09*	
		For 4,000 PSI Concrete, Add	*18.16*	
		For 4,500 PSI Concrete, Add	*24.18*	
		For 5,000 PSI Concrete, Add	*36.31*	

03 41 26 00-0029 Precast Concrete Columns *(03 41 26)*

03 41 26 00-0030 Erection Costs Using A 90 Ton Crawler Crane *(03 41 26 00-0029)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 26 00-0031	EA	Erect Precast Concrete Columns, 0-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	297.02	237.58
03 41 26 00-0032	EA	Erect Precast Concrete Columns, 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	315.79	252.59
03 41 26 00-0033	EA	Erect Precast Concrete Columns, 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	338.43	270.77
03 41 26 00-0034	EA	Erect Precast Concrete Columns, 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	363.02	290.41
03 41 26 00-0035	EA	Erect Precast Concrete Columns, 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane	391.46	313.11
03 41 26 00-0036	EA	Erect Precast Concrete Columns, 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane	424.73	339.79
03 41 26 00-0037	EA	Erect Precast Concrete Columns, 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane	464.19	371.38

03 41 26 00-0038 Material Cost *(03 41 26 00-0029)*

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast operations.

03 41 26 00-0039 12" x 12" Column, Square, Tied *(03 41 26 00-0038)*

03 41 26 00-0040	CY	12" x 12" Precast Column, Tied, Average Reinforced 351 Lb./CY	916.76	
		For 3,500 PSI Concrete, Add	*68.76*	
		For 4,000 PSI Concrete, Add	*129.26*	
		For 4,500 PSI Concrete, Add	*190.69*	
		For 5,000 PSI Concrete, Add	*259.44*	

03 41 26 00-0041 16" x 16" Column, Square, Tied *(03 41 26 00-0038)*

03 41 26 00-0042	CY	16" x 16" Precast Column, Tied, Average Reinforced 368 Lb./CY	939.40	
		For 3,500 PSI Concrete, Add	*70.46*	
		For 4,000 PSI Concrete, Add	*132.46*	
		For 4,500 PSI Concrete, Add	*195.40*	
		For 5,000 PSI Concrete, Add	*265.85*	

03 41 26 00-0043 20" x 20" Column, Square, Tied *(03 41 26 00-0038)*

03 41 26 00-0044	CY	20" x 20" Precast Column, Tied, Average Reinforced 357 Lb./CY	941.21	
		For 3,500 PSI Concrete, Add	*70.59*	
		For 4,000 PSI Concrete, Add	*132.71*	
		For 4,500 PSI Concrete, Add	*195.77*	
		For 5,000 PSI Concrete, Add	*266.36*	

03 41 26 00-0045 24" x 24" Column, Square, Tied *(03 41 26 00-0038)*

03 41 26 00-0046	CY	24" x 24" Precast Column, Tied, Average Reinforced 365 Lb./CY	941.21	
		For 3,500 PSI Concrete, Add	*70.59*	
		For 4,000 PSI Concrete, Add	*132.71*	
		For 4,500 PSI Concrete, Add	*195.77*	
		For 5,000 PSI Concrete, Add	*266.36*	

03 41 26 00-0047 28" x 28" Column, Square, Tied *(03 41 26 00-0038)*

03 41 26 00-0048	CY	28" x 28" Precast Column, Tied, Average Reinforced 347 Lb./CY	941.21	
		For 3,500 PSI Concrete, Add	*70.59*	
		For 4,000 PSI Concrete, Add	*132.71*	
		For 4,500 PSI Concrete, Add	*195.77*	
		For 5,000 PSI Concrete, Add	*266.36*	

03 41 26 00-0049 32" x 32" Column, Square, Tied *(03 41 26 00-0038)*

03 41 26 00-0050	CY	32" x 32" Precast Column, Tied, Average Reinforced 351 Lb./CY	939.40	
		For 3,500 PSI Concrete, Add	*70.46*	
		For 4,000 PSI Concrete, Add	*132.46*	
		For 4,500 PSI Concrete, Add	*195.40*	
		For 5,000 PSI Concrete, Add	*265.85*	

03 41 26 00-0051 36" x 36" Column, Square, Tied *(03 41 26 00-0038)*

03 41 26 00-0052	CY	36" x 36" Precast Column, Tied, Average Reinforced 278 Lb./CY	941.21	
		For 3,500 PSI Concrete, Add	*70.59*	
		For 4,000 PSI Concrete, Add	*132.71*	
		For 4,500 PSI Concrete, Add	*195.77*	
		For 5,000 PSI Concrete, Add	*266.36*	

03 41 33 Precast Structural Pretensioned Concrete *(03 41)*

03 41 33 00-0001 Slabs, Roof And Floor Members *(03 41 33)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 33 00-0002	SF	4" Thick Precast Prestressed Slab, 12-16' Span Roof/Floor	18.71	2.41
03 41 33 00-0003	SF	6" Thick Precast Prestressed Slab, 16-25' Span Roof/Floor	23.31	2.41
03 41 33 00-0004	SF	8" Thick Precast Prestressed Slab, 25-32' Span Roof/Floor	27.93	2.54
03 41 33 00-0005	SF	10" Thick Precast Prestressed Slab, 32-40' Span Roof/Floor	32.57	2.66
03 41 33 00-0006		Tee Members *(03 41 33)*		
03 41 33 00-0007		Multiple Tee, Roof And Floor *(03 41 33 00-0006)*		
03 41 33 00-0008	SF	Prestressed Multiple Tee, Roof And Floor Members	42.04	3.14
03 41 33 00-0009		Double Tee Wall Member *(03 41 33 00-0006)*		
03 41 33 00-0010	SF	Prestressed Double Tee Wall Members Precast Concrete, <40' Span	59.46	8.58
03 41 33 00-0011		Single Tee, Short Span, Roof Members *(03 41 33 00-0006)*		
03 41 33 00-0012	SF	Prestressed Single Tee, Short Span Roof Precast Concrete Members, <40' Span	49.41	5.20
03 41 33 00-0013		Single Tee, Long Span, Roof Members *(03 41 33 00-0006)*		
03 41 33 00-0014	SF	Prestressed Single Tee, Long Span Roof Precast Concrete Members, <40' Span	59.30	4.48
03 41 33 00-0015		Prestressed Concrete Items *(03 41 33)*		
03 41 33 00-0016		Prestressed Quad Tee *(03 41 33 00-0015)*		
03 41 33 00-0017	SF	Tees, Prestressed Quad Tee, Short Spans, Roof	30.45	0.96
03 41 33 00-0018	SF	Tees, Prestressed Quad Tee, Short Spans, Floor	31.78	0.96
03 41 33 00-0019		Prestressed Double Tee *(03 41 33 00-0015)*		
03 41 33 00-0020	SF	Tees, Double Tee, Floor Members , 60' Span	50.63	0.85
03 41 33 00-0021	SF	Tees, Double Tee, Floor Members , 80' Span	69.74	0.85
03 41 33 00-0022	SF	Tees, Double Tee, Roof Members, 30' Span	34.55	1.45
03 41 33 00-0023	SF	Tees, Double Tee, Roof Members, 50' Span	53.54	0.96
03 41 33 00-0024	SF	Tees, Double Tee, Wall Members, Up To 55' High	37.43	1.94
03 41 33 00-0025		Prestressed Single Tee *(03 41 33 00-0015)*		
03 41 33 00-0026	SF	Tees, Single Tee Roof Members, 40' Span	59.91	2.18
03 41 33 00-0027	SF	Tees, Single Tee Roof Members, 80' Span	69.41	1.33
03 41 33 00-0028	SF	Tees, Single Tee Roof Members, 100' Span	91.84	1.21
03 41 33 00-0029	SF	Tees, Single Tee Roof Members, 120' Span	96.71	1.21
03 41 33 00-0030		Prestressed Double Tee Floor Members *(03 41 33 00-0015)*		
03 41 33 00-0031	EA	Tees, Double Tees, Floor Members, Lightweight, 20" X 8' Wide, 45'	15,492.98	348.21
03 41 33 00-0032	EA	Tees, Double Tees, Floor Members, Lightweight, 24" X 8' Wide, 50'	16,869.91	386.90
03 41 33 00-0033	EA	Tees, Double Tees, Floor Members, Lightweight, 32" X 10' Wide, 60'	28,223.54	435.26
03 41 33 00-0034	EA	Tees, Double Tees, Floor Members, Standard Weight, 12" X 8' Wide, 25'	6,064.54	316.66
03 41 33 00-0035	EA	Tees, Double Tees, Floor Members, Standard Weight, 16" X 8' Wide, 25'	7,964.14	348.21
03 41 33 00-0036	EA	Tees, Double Tees, Floor Members, Standard Weight, 18" X 8' Wide, 35'	10,178.51	348.21
03 41 33 00-0037	EA	Tees, Double Tees, Floor Members, Standard Weight, 20" X 8' Wide, 45'	11,334.01	386.90
03 41 33 00-0038	EA	Tees, Double Tees, Floor Members, Standard Weight, 24" X 8' Wide, 50'	14,494.49	435.26
03 41 33 00-0039	EA	Tees, Double Tees, Floor Members, Standard Weight, 32" X 10' Wide, 60'	26,087.19	497.65
03 41 33 00-0040		Prestressed Double Tee Roof Members *(03 41 33 00-0015)*		
03 41 33 00-0041	EA	Tees, Double Tees, Roof Members, Lightweight, 20" X 8' Wide, 45'	12,171.43	348.21
03 41 33 00-0042	EA	Tees, Double Tees, Roof Members, Lightweight, 24" X 8' Wide, 50'	15,984.17	386.90
03 41 33 00-0043	EA	Tees, Double Tees, Roof Members, Lightweight, 32" X 10' Wide, 60'	26,230.62	435.26
03 41 33 00-0044	EA	Tees, Double Tees, Roof Members, Standard Weight, 12" X 8' Wide, 30'	8,146.04	316.66
03 41 33 00-0045	EA	Tees, Double Tees, Roof Members, Standard Weight, 16" X 8' Wide, 30'	8,584.16	348.21
03 41 33 00-0046	EA	Tees, Double Tees, Roof Members, Standard Weight, 18" X 8' Wide, 30'	9,514.20	348.21
03 41 33 00-0047	EA	Tees, Double Tees, Roof Members, Standard Weight, 20" X 8' Wide, 40'	9,783.95	386.90
03 41 33 00-0048	EA	Tees, Double Tees, Roof Members, Standard Weight, 24" X 8' Wide, 50'	12,944.44	435.26
03 41 33 00-0049	EA	Tees, Double Tees, Roof Members, Standard Weight, 32" X 10' Wide, 60'	22,322.77	497.65
03 41 33 00-0050		Plant Produced Pretensioned Prestressed Concrete Hollow Core Slab *(03 41 33)*		
03 41 33 00-0051	SF	Hollow Core Slab, 4" Slab, 12' - 16' Spans, Plant Produced Pretensioned Prestressed Concrete	32.18	
03 41 33 00-0052	SF	Hollow Core Slab, 6" Slab, 16' - 25' Spans, Plant Produced Pretensioned Prestressed Concrete	33.50	
03 41 33 00-0053	SF	Hollow Core Slab, 8" Slab, 25' - 30' Spans, Plant Produced Pretensioned Prestressed Concrete	35.06	
03 41 33 00-0054	SF	Hollow Core Slab, 10" Slab, 30' - 35' Spans, Plant Produced Pretensioned Prestressed Concrete	36.22	
03 41 33 00-0055	SF	Hollow Core Slab, 12" Slab, 35' - 40' Spans, Plant Produced Pretensioned Prestressed Concrete	38.68	
03 41 33 00-0056		Double And Single Tees *(03 41 33)*		

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 33 00-0057			**Double And Single Tees With 16" Roof And Floor Loading** *(03 41 33 00-0056)*		
	03 41 33 00-0058	SF	Double Tee With 16" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	38.88	
	03 41 33 00-0059	SF	Double Tee With 16" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	37.96	
	03 41 33 00-0060	SF	Double Tee With 16" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	35.86	
	03 41 33 00-0061	SF	Double Tee With 16" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	38.88	
	03 41 33 00-0062	SF	Double Tee With 16" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	38.76	
	03 41 33 00-0063	SF	Single Tee With 16" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	59.61	
	03 41 33 00-0064	SF	Single Tee With 16" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	58.29	
	03 41 33 00-0065	SF	Single Tee With 16" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	54.59	
	03 41 33 00-0066	SF	Single Tee With 16" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	59.61	
	03 41 33 00-0067	SF	Single Tee With 16" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	55.90	
03 41 33 00-0068			**Double And Single Tees With 24" Roof And Floor Loading** *(03 41 33 00-0056)*		
	03 41 33 00-0069	SF	Double Tee With 24" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	40.07	
	03 41 33 00-0070	SF	Double Tee With 24" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	39.16	
	03 41 33 00-0071	SF	Double Tee With 24" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	37.85	
	03 41 33 00-0072	SF	Double Tee With 24" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	40.07	
	03 41 33 00-0073	SF	Double Tee With 24" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	38.76	
	03 41 33 00-0074	SF	Single Tee With 24" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	61.20	
	03 41 33 00-0075	SF	Single Tee With 24" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	59.88	
	03 41 33 00-0076	SF	Single Tee With 24" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	57.78	
	03 41 33 00-0077	SF	Single Tee With 24" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	61.20	
	03 41 33 00-0078	SF	Single Tee With 24" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	59.49	
03 41 33 00-0079			**Double And Single Tees With 32" Roof And Floor Loading** *(03 41 33 00-0056)*		
	03 41 33 00-0080	SF	Double Tee With 32" Roof Load, 50' Span, Pretensioned Prestressed Concrete	42.25	
	03 41 33 00-0081	SF	Double Tee With 32" Roof Load, 60' Span, Pretensioned Prestressed Concrete	40.91	
	03 41 33 00-0082	SF	Double Tee With 32" Roof Load, 70' Span, Pretensioned Prestressed Concrete	39.60	
	03 41 33 00-0083	SF	Single Tee With 32" Roof Load, 50' Span, Pretensioned Prestressed Concrete	64.97	
	03 41 33 00-0084	SF	Single Tee With 32" Roof Load, 60' Span, Pretensioned Prestressed Concrete	62.83	
	03 41 33 00-0085	SF	Single Tee With 32" Roof Load, 70' Span, Pretensioned Prestressed Concrete	60.32	

03 48 Precast Concrete Specialties *(03 40)*

03 48 16 Precast Concrete Splash Blocks *(03 48)*

03 48 16 00-0001			**Precast Concrete Splash Blocks** *(03 48 16)*		
	03 48 16 00-0002	EA	Precast Concrete Splash Blocks, 20" x 12" x 3"	42.09	4.48

03 48 21 Precast Concrete Handrails *(03 48)*

03 48 21 00-0001			**Installation Cost** *(03 48 21)* Note: Includes handling, hoisting into place, alignment, and permanent connections. Excludes grouting.		
	03 48 21 00-0002	EA	Install Precast Handrails, 0-2 Ton/Handrail	166.44	74.93
	03 48 21 00-0003	EA	Install Precast Handrails, Over 2 Ton/Handrail	199.62	89.80
03 48 21 00-0004			**Material Cost** *(03 48 21)* Note: Includes 3000 PSI concrete, imbedded items, formwork and precast operations.		
	03 48 21 00-0005	CY	4" Thick 3,000 PSI Concrete Precast Concrete Handrail	3,498.81	
			For 3,500 PSI Concrete, Add	*228.30*	
			For 4,000 PSI Concrete, Add	*428.95*	
			For 4,500 PSI Concrete, Add	*630.49*	
			For 5,000 PSI Concrete, Add	*857.73*	
	03 48 21 00-0006	CY	5" Thick 3,000 PSI Concrete Precast Concrete Handrail	3,631.67	
			For 3,500 PSI Concrete, Add	*236.97*	
			For 4,000 PSI Concrete, Add	*445.24*	
			For 4,500 PSI Concrete, Add	*654.43*	
			For 5,000 PSI Concrete, Add	*890.30*	
	03 48 21 00-0007	CY	6" Thick 3,000 PSI Concrete Precast Concrete Handrail	3,764.54	
			For 3,500 PSI Concrete, Add	*245.64*	
			For 4,000 PSI Concrete, Add	*461.53*	
			For 4,500 PSI Concrete, Add	*678.37*	
			For 5,000 PSI Concrete, Add	*922.88*	
	03 48 21 00-0008	CY	8" Thick 3,000 PSI Concrete Precast Concrete Handrail	3,941.70	
			For 3,500 PSI Concrete, Add	*257.20*	
			For 4,000 PSI Concrete, Add	*483.25*	
			For 4,500 PSI Concrete, Add	*710.29*	
			For 5,000 PSI Concrete, Add	*966.31*	

03 48 22 Precast Concrete Sun Screen and Trellis *(03 48)*

03 48 22 00-0001			**Sun Screen Blades** *(03 48 22)*		
03 48 22 00-0002			**Installation Cost** *(03 48 22 00-0001)* Note: Includes handling, hoisting into place, alignment, bracing, and permanent connections.		
	03 48 22 00-0003	EA	Install Precast Sun Screen Blade, 0-1 Ton/Each	83.22	37.46

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 48 22 00-0004	EA	Install Precast Sun Screen Blade, 1-2 Ton/Each	99.99	44.96
03 48 22 00-0005	EA	Install Precast Sun Screen Blade, 2-3 Ton/Each	124.92	56.26
03 48 22 00-0006		**Material Cost** *(03 48 22 00-0001)*		
		Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		
03 48 22 00-0007	CY	4" Thick 3,000 PSI Concrete Precast Sun Screen Blades	3,720.25	
		For 3,500 PSI Concrete, Add	*242.75*	
		For 4,000 PSI Concrete, Add	*456.10*	
		For 4,500 PSI Concrete, Add	*670.39*	
		For 5,000 PSI Concrete, Add	*912.02*	
03 48 22 00-0008	CY	5" Thick 3,000 PSI Concrete Precast Sun Screen Blades	3,853.12	
		For 3,500 PSI Concrete, Add	*251.42*	
		For 4,000 PSI Concrete, Add	*472.39*	
		For 4,500 PSI Concrete, Add	*694.33*	
		For 5,000 PSI Concrete, Add	*944.59*	
03 48 22 00-0009	CY	6" Thick 3,000 PSI Concrete Precast Sun Screen Blades	4,030.27	
		For 3,500 PSI Concrete, Add	*262.98*	
		For 4,000 PSI Concrete, Add	*494.11*	
		For 4,500 PSI Concrete, Add	*726.25*	
		For 5,000 PSI Concrete, Add	*988.02*	
03 48 22 00-0010	CY	8" Thick 3,000 PSI Concrete Precast Sun Screen Blades	4,207.43	
		For 3,500 PSI Concrete, Add	*274.53*	
		For 4,000 PSI Concrete, Add	*515.83*	
		For 4,500 PSI Concrete, Add	*758.18*	
		For 5,000 PSI Concrete, Add	*1,031.45*	
03 48 22 00-0011		**Sun Screen/Trellis Units** *(03 48 22)*		
03 48 22 00-0012		**Installation Cost Using A 50 Ton Hydraulic Crane** *(03 48 22 00-0011)*		
		Note: Includes handling, hoisting into place, alignment, bracing and permanent to connections.		
03 48 22 00-0013	EA	Install Precast Trellis, 0-1 Tons/Unit 100' Maximum Radius With 50 Ton Crane	385.67	173.52
03 48 22 00-0014	EA	Install Precast Trellis, 1-3 Tons/Unit 65' Maximum Radius With 50 Ton Crane	431.39	194.19
03 48 22 00-0015	EA	Install Precast Trellis, 3-5 Tons/Unit 50' Maximum Radius With 50 Ton Crane	489.42	220.21
03 48 22 00-0016	EA	Install Precast Trellis, 5-7 Tons/Unit 40' Maximum Radius With 50 Ton Crane	523.06	235.38
03 48 22 00-0017		**Material Cost** *(03 48 22 00-0011)*		
		Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		
03 48 22 00-0018	CY	4" Thick 3,000 PSI Concrete Precast Trellises Blades	4,296.01	
		For 3,500 PSI Concrete, Add	*280.31*	
		For 4,000 PSI Concrete, Add	*526.69*	
		For 4,500 PSI Concrete, Add	*774.14*	
		For 5,000 PSI Concrete, Add	*1,053.17*	
03 48 22 00-0019	CY	5" Thick 3,000 PSI Concrete Precast Trellises Blades	4,428.87	
		For 3,500 PSI Concrete, Add	*288.98*	
		For 4,000 PSI Concrete, Add	*542.98*	
		For 4,500 PSI Concrete, Add	*798.08*	
		For 5,000 PSI Concrete, Add	*1,085.74*	
03 48 22 00-0020	CY	6" Thick 3,000 PSI Concrete Precast Trellises Blades	4,606.03	
		For 3,500 PSI Concrete, Add	*300.54*	
		For 4,000 PSI Concrete, Add	*564.70*	
		For 4,500 PSI Concrete, Add	*830.01*	
		For 5,000 PSI Concrete, Add	*1,129.17*	
03 48 22 00-0021	CY	8" Thick 3,000 PSI Concrete Precast Trellises Blades	4,827.47	
		For 3,500 PSI Concrete, Add	*314.99*	
		For 4,000 PSI Concrete, Add	*591.85*	
		For 4,500 PSI Concrete, Add	*869.91*	
		For 5,000 PSI Concrete, Add	*1,183.45*	
03 48 24		**Precast Minaret Segments** *(03 48)*		
03 48 24 00-0001		**Installation Costs Using A 50 Ton Hydraulic Crane** *(03 48 24)*		
		Note: Includes handling, hoisting into place, alignment, bracing and permanent connections.		
03 48 24 00-0002		**L - Shaped Segments** *(03 48 24 00-0001)*		
03 48 24 00-0003	EA	Install Minaret, L-Shape Segment, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	375.29	300.24
03 48 24 00-0004	EA	Install Minaret, L-Shape Segment, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	420.55	336.46
03 48 24 00-0005	EA	Install Minaret, L-Shape Segment, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	475.51	380.40
03 48 24 00-0006	EA	Install Minaret, L-Shape Segment, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	507.22	405.76
03 48 24 00-0007		**O - Shaped Segments** *(03 48 24 00-0001)*		
03 48 24 00-0008	EA	Install Minaret, O-Shape Segment, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	396.64	317.37
03 48 24 00-0009	EA	Install Minaret, O-Shape Segment, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	445.16	356.08
03 48 24 00-0010	EA	Install Minaret, O-Shape Segment, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	504.16	403.28
03 48 24 00-0011	EA	Install Minaret, O-Shape Segment, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	539.94	431.92
03 48 24 00-0012		**Platform Segment** *(03 48 24 00-0001)*		
03 48 24 00-0013	EA	Install Minaret, Platform Segments, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	760.82	608.71
03 48 24 00-0014	EA	Install Minaret, Platform Segments, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	919.67	735.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 48 24 00-0015	EA	Install Minaret, Platform Segments, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	1,020.61	816.50
03 48 24 00-0016	EA	Install Minaret, Platform Segments, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	1,146.44	917.20
03 48 24 00-0017		**Cap Segment** *(03 48 24 00-0001)*		
03 48 24 00-0018	EA	Install Minaret, Cap Segments, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	416.37	333.06
03 48 24 00-0019	EA	Install Minaret, Cap Segments, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	464.94	371.90
03 48 24 00-0020	EA	Install Minaret, Cap Segments, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	529.69	423.68
03 48 24 00-0021	EA	Install Minaret, Cap Segments, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	565.47	452.32
03 48 24 00-0022		**Installation Costs Using A 90 Ton Crawler Crane** *(03 48 24)* Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting and caulking of joints.		
03 48 24 00-0023		**L - Shaped Segments** *(03 48 24 00-0022)*		
03 48 24 00-0024	EA	Install Minaret, L-Shaped Segments, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	380.93	304.74
03 48 24 00-0025	EA	Install Minaret, L-Shaped Segments, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	426.86	341.51
03 48 24 00-0026	EA	Install Minaret, L-Shaped Segments, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	482.65	386.11
03 48 24 00-0027	EA	Install Minaret, L-Shaped Segments, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	514.83	411.86
03 48 24 00-0028		**O - Shaped Segment** *(03 48 24 00-0022)*		
03 48 24 00-0029	EA	Install Minaret, O-Shaped Segments, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	402.59	322.14
03 48 24 00-0030	EA	Install Minaret, O-Shaped Segments, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	451.84	361.42
03 48 24 00-0031	EA	Install Minaret, O-Shaped Segments, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	511.73	409.33
03 48 24 00-0032	EA	Install Minaret, O-Shaped Segments, 5-7 Ton/Each 795' Maximum Radius With 90 Ton Crane	548.04	438.41
03 48 24 00-0033		**Platform Segment** *(03 48 24 00-0022)*		
03 48 24 00-0034	EA	Install Minaret, Platform Segment, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	615.56	492.43
03 48 24 00-0035	EA	Install Minaret, Platform Segment, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	745.15	596.09
03 48 24 00-0036	EA	Install Minaret, Platform Segment, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	824.72	659.80
03 48 24 00-0037	EA	Install Minaret, Platform Segment, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	933.48	746.74
03 48 24 00-0038		**Cap Segment** *(03 48 24 00-0022)*		
03 48 24 00-0039	EA	Install Minaret, Cap Segment, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	422.62	338.06
03 48 24 00-0040	EA	Install Minaret, Cap Segment, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	471.92	377.49
03 48 24 00-0041	EA	Install Minaret, Cap Segment, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	537.64	430.05
03 48 24 00-0042	EA	Install Minaret, Cap Segment, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	573.96	459.11
03 48 24 00-0043		**Material Costs** *(03 48 24)* Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		
03 48 24 00-0044	CY	Precast Concrete Minaret, L-Shaped Segments, 3,000 PSI Concrete Note: Including Post Tension Cost	10,628.70	
03 48 24 00-0045	CY	Precast Concrete Minaret, O-Shaped Segments, 3,000 PSI Concrete Note: Including Post Tension Cost	10,628.70	
03 48 24 00-0046	CY	Precast Concrete Minaret, Platform Segments, 3,000 PSI Concrete Note: Including Post Tension Cost	10,628.70	
03 48 24 00-0047	CY	Precast Concrete Minaret, Cap Segments, 3,000 PSI Concrete Note: Including Post Tension Cost	10,628.70	

03 48 29 Precast Accessories *(03 48)*

Note: Includes installation labor, material and equipment.

03 48 29 00-0001		**Bearing Pads For Precast Members** *(03 48 29)*		
03 48 29 00-0002		**Continuous 2" Wide Strips** *(03 48 29 00-0001)*		
03 48 29 00-0003	LF	Bearing Pads, Continuous 2" Wide x 1/8" Thick Strips Note: For precast members	1.59	
03 48 29 00-0004	LF	Bearing Pads, Continuous 2" Wide x 1/4" Thick Strips Note: For precast members.	2.27	
03 48 29 00-0005	LF	Bearing Pads, Continuous 2" Wide x 1/2" Thick Strips Note: For precast members	3.74	
03 48 29 00-0006	LF	Bearing Pads, Continuous 2" Wide x 3/4" Thick Strips Note: For precast members	5.25	
03 48 29 00-0007	LF	Bearing Pads, Continuous 2" Wide x 1" Thick Strips Note: For precast members	6.82	
03 48 29 00-0008	LF	Bearing Pads, Continuous 2" Wide x 1-1/2" Thick Strips Note: For precast members	9.80	
03 48 29 00-0009		**Bearing Pad Pipe Supports** *(03 48 29)*		
03 48 29 00-0010	LF	8" Diameter Precast Balustrade, Decorative Shapes	100.37	
03 48 29 00-0011	LF	Precast Rail Cap, <1 SF Cross Section	64.36	
03 48 29 00-0012	LF	4" x 4" Precast Pipe Support	13.77	

03 48 46 Precast Skylight Shells *(03 48)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 48 46 00-0001		Installation Cost Using A 90 Ton Crawler Crane *(03 48 46)*		
		Note: Includes handling, hoisting into place, alignment, bracing and permanent connections.		
03 48 46 00-0002	EA	Install Precast Skylight Shell, 0-4 Tons/Each Based On 90 Ton Crawler Crane	549.40	247.26
03 48 46 00-0003	EA	Install Precast Skylight Shell, 4-6 Tons/Each Based On 90 Ton Crawler Crane	610.04	274.53
03 48 46 00-0004	EA	Install Precast Skylight Shell, 6-8 Tons/Each Based On 90 Ton Crawler Crane	685.75	308.59
03 48 46 00-0005		Material Cost *(03 48 46)*		
		Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		
03 48 46 00-0006	CY	3.5" Thick 3,000 PSI Concrete Precast Skylight With 4.4' Radius	4,446.71	
03 48 49		**Precast Landings** *(03 48)*		
03 48 49 00-0001	SF	3" Thick Precast Landing	111.29	
03 48 49 00-0002	SF	4" Thick Precast Landing	129.75	
03 48 49 00-0003	SF	5" Thick Precast Landing	147.42	
03 48 49 00-0004	SF	6" Thick Precast Landing	169.96	
03 48 54		**Precast Concrete Blocks** *(03 48)*		
03 48 54 00-0001		Precast Interlocking Concrete Blocks *(03 48 54)*		
		Note: Includes lifting loop		
03 48 54 00-0002	EA	2' x 2' x 2' Precast Interlocking Concrete (Ecology) Block	162.95	46.96
03 48 54 00-0003	EA	2' x 2' x 3' Precast Interlocking Concrete (Ecology) Block	194.32	52.82
03 48 54 00-0004	EA	2' x 2' x 4' Precast Interlocking Concrete (Ecology) Block	225.70	58.70
03 48 54 00-0005	EA	2' x 2' x 6' Precast Interlocking Concrete (Ecology) Block	305.15	64.56
03 48 54 00-0006	EA	2' x 2' x 8' Precast Interlocking Concrete (Ecology) Block	366.99	70.43
03 50		**Cast Decks and Underlayment** *(03)*		
03 51		**Cast Roof Decks** *(03 50)*		
03 51 13		**Cementitious Wood Fiber Decks** *(03 51)*		
03 51 13 00-0001		Cement Fiber Tongue And Groove Planks *(03 51 13)*		
03 51 13 00-0002	SF	1" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	3.84	
03 51 13 00-0003	SF	1-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	4.00	
03 51 13 00-0004	SF	2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	4.19	
03 51 13 00-0005	SF	2-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	4.77	
03 51 13 00-0006	SF	3" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	5.41	
03 51 13 00-0007	SF	3-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	6.12	
03 51 13 00-0008	SF	4" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	7.02	
03 51 16		**Gypsum Concrete Roof Decks** *(03 51)*		
03 51 16 00-0001		Class A Gypsum Fill Concrete Deck *(03 51 16)*		
03 51 16 00-0002	SF	2" Thick Precast Gypsum Fill Concrete Deck, Class A	12.26	0.61
03 51 16 00-0003	SF	2-1/2" Thick Precast Gypsum Fill Concrete Deck, Class A	15.20	0.72
03 51 16 00-0004	SF	3" Thick Precast Gypsum Fill Concrete Deck, Class A	18.15	0.82
03 51 16 00-0005	SF	3-1/2" Thick Precast Gypsum Fill Concrete Deck, Class A	21.13	0.92
03 51 16 00-0006	SF	4" Thick Precast Gypsum Fill Concrete Deck, Class A	24.13	1.03
03 51 16 00-0007		Form Board For Lightweight Deck *(03 51 16)*		
03 51 16 00-0008	SF	Gypsum Deck Form Board, 1/2" Drywall For Lightweight Deck	2.55	
03 51 16 00-0009	SF	Gypsum Deck Form Board, 1" Mineral Fiber Board For Lightweight Deck	3.45	
03 51 16 00-0010	SF	Gypsum Deck Form Board, 1-1/2" Mineral Fiber Board For Lightweight Deck	7.32	
03 51 16 00-0011	SF	Gypsum Deck Form Board, 1" Cementitious Fiber Board For Lightweight Deck	2.84	0.63
03 51 16 00-0012	SF	Gypsum Deck Form Board, 1-1/2" Cementitious Fiber Board For Lightweight Deck	3.46	0.63
03 51 16 00-0013	SF	Gypsum Deck Form Board, 1" Glass Fiber Board For Lightweight Deck	3.89	0.63
03 51 16 00-0014	SF	Gypsum Deck Form Board, 1-1/2" Glass Fiber Board For Lightweight Deck	4.84	0.63
03 51 16 00-0015		Gypsum Plank *(03 51 16)*		
03 51 16 00-0016	SF	2" Thick, Insulating Concrete Gypsum Plank, Roof Deck	4.20	
03 51 16 00-0017	SF	3" Thick, Insulating Concrete Gypsum Plank, Roof Deck	5.54	
03 53		**Concrete Topping** *(03 50)*		
		Note: Installed over new or existing concrete.		
03 53 14		**Granolithic Concrete Topping** *(03 53)*		
03 53 14 00-0001		Granolithic Topping Laid After *(03 53 14)*		
		Note: Using 1:1:1-1/2 mix.		
03 53 14 00-0002	SF	1/2" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix	4.61	
03 53 14 00-0003	SF	1" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix	4.98	
03 53 14 00-0004	SF	2" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix	6.27	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 53 19		**Concrete Overlayment** *(03 53)*		
03 53 19 00-0001		Integral Topping Including Hard Trowel Finish *(03 53 19)*		
		Note: Using 1:1:2 mix.		
03 53 19 00-0002	SF	3/16" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	2.73	
03 53 19 00-0003	SF	1/2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	3.08	
03 53 19 00-0004	SF	3/4" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	3.59	
03 53 19 00-0005	SF	1" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	4.26	
03 53 19 00-0006	SF	2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	6.05	
03 53 19 00-0007	SF	2-1/2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	5.17	
03 53 19 00-0008	SF	3" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	5.80	
03 54		**Cast Underlayment** *(03 50)*		
		Note: Includes primer. Excludes sandblasting existing smooth finished concrete surface (where necessary).		
03 54 16		**Hydraulic Cement Underlayment** *(03 54)*		
03 54 16 00-0001		Self Leveling Cementitious Underlayment For Floors *(03 54 16)*		
		Note: Includes primer.		
03 54 16 00-0002	SF	1/8" Thick Self Leveling Cementitious Underlayment For Floors	1.80	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	*0.15*	
		For >100 To 250 SF, Add	*0.07*	
03 54 16 00-0003	SF	1/4" Thick Self Leveling Cementitious Underlayment For Floors	3.07	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	*0.15*	
		For >100 To 250 SF, Add	*0.07*	
03 54 16 00-0004	SF	3/8" Thick Self Leveling Cementitious Underlayment For Floors	3.93	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	*0.15*	
		For >100 To 250 SF, Add	*0.07*	
03 54 16 00-0005	SF	1/2" Thick Self Leveling Cementitious Underlayment For Floors	5.63	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	*0.15*	
		For >100 To 250 SF, Add	*0.07*	
03 54 16 00-0006	SF	5/8" Thick Self Leveling Cementitious Underlayment For Floors	6.65	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	*0.15*	
		For >100 To 250 SF, Add	*0.07*	
03 54 16 00-0007	SF	3/4" Thick Self Leveling Cementitious Underlayment For Floors	8.24	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	*0.17*	
		For >100 To 250 SF, Add	*0.09*	
03 54 16 00-0008	SF	1" Thick Self Leveling Cementitious Underlayment For Floors	10.79	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	*0.17*	
		For >100 To 250 SF, Add	*0.09*	
03 54 16 00-0009	SF	1-1/4" Thick Self Leveling Cementitious Underlayment For Floors	14.24	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	*0.20*	
		For >100 To 250 SF, Add	*0.10*	
03 54 16 00-0010	SF	1-1/2" Thick Self Leveling Cementitious Underlayment For Floors	15.95	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	*0.20*	
		For >100 To 250 SF, Add	*0.10*	
03 54 16 00-0011	SF	1-3/4" Thick Self Leveling Cementitious Underlayment For Floors	21.16	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	*0.24*	
		For >100 To 250 SF, Add	*0.12*	
03 60		**Grouting** *(03)*		
03 61		**Cementitious Grouting** *(03 60)*		
		Note: 1 part cement to 3 parts sand by volume.		
03 61 16		**Cementitious Flowable Grout** *(03 61)*		
03 61 16 00-0001		Cementitious Flowable Grout *(03 61 16)*		
03 61 16 00-0002	CY	Cementitious Flowable Grout	478.17	
03 62		**Non-Shrink Grouting** *(03 60)*		
03 62 13		**Non-Metallic Non-Shrink Grouting** *(03 62)*		
03 62 13 00-0001		Fluid Type, Non-Metallic Non-Shrink Grouting For Bases *(03 62 13)*		
03 62 13 00-0002	SF	1" Deep, Fluid Type, Non-Metallic Non-Shrink Grout For Bases	27.39	
03 62 13 00-0003	SF	2" Deep, Fluid Type, Non-Metallic Non-Shrink Grout For Bases	40.61	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 62 13 00-0004		Non-Metallic Non-Shrink Grouting For Bases *(03 62 13)*		
03 62 13 00-0005	SF	1" Deep, Non-Metallic Non-Shrink Grout For Bases	41.98	
03 62 13 00-0006	SF	2" Deep, Non-Metallic Non-Shrink Grout For Bases	67.37	
03 62 13 00-0007		Non-Metallic Non-Shrink Grouting For Joints *(03 62 13)*		
03 62 13 00-0008		1/2" Joint Thickness, Non-Metallic Non-Shrink Grout For Joints *(03 62 13 00-0007)*		
03 62 13 00-0009	LF	4" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints	2.30	
03 62 13 00-0010	LF	6" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints	3.00	
03 62 13 00-0011	LF	8" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints	3.98	
03 62 13 00-0012		1" Joint Thickness, Non-Metallic Non-Shrink Grout For Joints *(03 62 13 00-0007)*		
03 62 13 00-0013	LF	4" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints	3.38	
03 62 13 00-0014	LF	6" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints	4.49	
03 62 13 00-0015	LF	8" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints	5.97	
03 62 16		**Metallic Non-Shrink Grouting** *(03 62)*		
03 62 16 00-0001		Metallic Non-Shrink Grouting For Bases *(03 62 16)*		
03 62 16 00-0002	SF	1" Deep, Metallic Non-Shrink Grout For Bases	35.47	
03 62 16 00-0003	SF	2" Deep, Metallic Non-Shrink Grout For Bases	54.76	
03 62 16 00-0004		Metallic Non-Shrink Grouting For Joints *(03 62 16)*		
03 62 16 00-0005		1/2" Joint Thickness, Metallic Non-Shrink Grout For Joints *(03 62 16 00-0004)*		
03 62 16 00-0006	LF	4" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints	1.89	
03 62 16 00-0007	LF	6" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints	2.39	
03 62 16 00-0008	LF	8" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints	3.19	
03 62 16 00-0009		1" Joint Thickness, Metallic Non-Shrink Grout For Joints *(03 62 16 00-0004)*		
03 62 16 00-0010	LF	4" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints	2.59	
03 62 16 00-0011	LF	6" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints	3.27	
03 62 16 00-0012	LF	8" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints	4.36	
03 63		**Epoxy Grouting** *(03 60)*		
03 63 00 00-0001		Spray On Concrete Epoxy Grout *(03 63)*		
		Note: (Sika 224) per thickness per coat.		
03 63 00 00-0002	SF	1/4" Thick Coat Spray On Concrete Epoxy Grout	4.35	
		For Color, Add	*1.14*	
03 63 00 00-0003	SF	3/8" Thick Coat Spray On Concrete Epoxy Grout	6.01	
		For Color, Add	*1.70*	
03 63 00 00-0004	SF	1/2" Thick Coat Spray On Concrete Epoxy Grout	7.70	
		For Color, Add	*2.27*	
03 63 00 00-0005	SF	5/8" Thick Coat Spray On Concrete Epoxy Grout	9.22	
		For Color, Add	*2.84*	
03 63 00 00-0006	SF	3/4" Thick Coat Spray On Concrete Epoxy Grout	10.75	
		For Color, Add	*3.41*	
03 63 00 00-0007	SF	1" Thick Coat Spray On Concrete Epoxy Grout	13.93	
		For Color, Add	*4.55*	
03 64		**Injection Grouting** *(03 60)*		
		Note: By volume of void filled. Includes injection ports.		
03 64 23		**Epoxy Injection Grouting** *(03 64)*		
03 64 23 00-0001		Pressure Injected Epoxy Grout *(03 64 23)*		
03 64 23 00-0002	CF	Pressure Injected Epoxy Grout	1,378.99	
		For >4, Deduct	*-145.67*	
03 64 26		**Cementitious Injection Grouting** *(03 64)*		
03 64 26 00-0001		Pressure Injected Cementitious Grout *(03 64 26)*		
03 64 26 00-0002	CF	Pressure Injected Cementitious Grout	242.88	
		For >4, Deduct	*-62.50*	
03 80		**Concrete Cutting and Boring** *(03)*		
03 81		**Concrete Cutting** *(03 80)*		
03 81 13		**Flat Concrete Sawing** *(03 81)*		
		See CSI section 02 41 19 13-0059 for saw cutting.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

03 81 16 Track Mounted Concrete Wall Sawing *(03 81)*
See CSI section 02 41 19 13-0059 for saw cutting.

03 82 Concrete Boring *(03 80)*

03 82 13 Concrete Core Drilling *(03 82)*
See CSI section 02 41 19 13-0082 for core drilling.

END OF SECTION 03

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

04 Masonry

04 01 Maintenance of Masonry *(04)*

04 01 20 Maintenance of Unit Masonry *(04 01)*

Note: For use on existing brick. Includes clean-up of debris. Excludes disposal.

04 01 20 41 Unit Masonry Stabilization *(04 01 20)*

04 01 20 41-0001 Masonry Repair (Helifix®) *(04 01 20 41)*

04 01 20 41-0002 Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) *(04 01 20 41-0001)*

Note: Austenitic stainless steel. For stabilizing solid masonry. Includes drilling, cementitious grout and patching surface.

04 01 20 41-0003 304 Stainless Steel Helical Pin, Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) *(04 01 20 41-0002)*

04 01 20 41-0004	EA	8mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)		20.29	
		For Up To 10, Add		*9.80*	
		For >10 To 50, Add		*4.90*	
04 01 20 41-0005	EA	8mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)		28.50	
		For Up To 10, Add		*9.80*	
		For >10 To 50, Add		*4.90*	
04 01 20 41-0006	EA	8mm Diameter, 900mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)		37.42	
		For Up To 10, Add		*9.80*	
		For >10 To 50, Add		*4.90*	

04 01 20 41-0007 316 Stainless Steel Helical Pin, Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) *(04 01 20 41-0002)*

04 01 20 41-0008	EA	8mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)		22.07	
		For Up To 10, Add		*9.80*	
		For >10 To 50, Add		*4.90*	
04 01 20 41-0009	EA	8mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)		31.66	
		For Up To 10, Add		*9.80*	
		For >10 To 50, Add		*4.90*	
04 01 20 41-0010	EA	8mm Diameter, 900mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)		42.16	
		For Up To 10, Add		*9.80*	
		For >10 To 50, Add		*4.90*	

04 01 20 41-0011 Ties For Stitching Masonry Cracks (Helifix® Helibar) *(04 01 20 41-0001)*

Note: Austenitic stainless steel. For stabilizing cracked masonry. Includes removing horizontal mortar and re-pointing mortar bed. Includes cementitious grout. Excludes repairing vertical crack.

04 01 20 41-0012 304 Stainless Steel Helical Pin, Ties For Stitching Masonry Cracks (Helifix® Helibar) *(04 01 20 41-0011)*

04 01 20 41-0013	EA	4.5mm Diameter, 1m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)		56.46	
		For Up To 10, Add		*39.18*	
		For >10 To 50, Add		*19.59*	
04 01 20 41-0014	EA	4.5mm Diameter, 1.2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)		61.13	
		For Up To 10, Add		*39.18*	
		For >10 To 50, Add		*19.59*	
04 01 20 41-0015	EA	4.5mm Diameter, 7m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)		169.39	
		For Up To 10, Add		*39.18*	
		For >10 To 50, Add		*19.59*	
04 01 20 41-0016	EA	6mm Diameter, 1m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)		56.46	
		For Up To 10, Add		*39.18*	
		For >10 To 50, Add		*19.59*	
04 01 20 41-0017	EA	6mm Diameter, 1.2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)		61.13	
		For Up To 10, Add		*39.18*	
		For >10 To 50, Add		*19.59*	
04 01 20 41-0018	EA	6mm Diameter, 1.5m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)		66.44	
		For Up To 10, Add		*39.18*	
		For >10 To 50, Add		*19.59*	
04 01 20 41-0019	EA	6mm Diameter, 2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)		76.41	
		For Up To 10, Add		*39.18*	
		For >10 To 50, Add		*19.59*	
04 01 20 41-0020	EA	6mm Diameter, 7m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)		169.39	
		For Up To 10, Add		*39.18*	
		For >10 To 50, Add		*19.59*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0021		316 Stainless Steel Helical Pin, Ties For Stitching Masonry Cracks (Helifix® Helibar) *(04 01 20 41-0011)*			
04 01 20 41-0022	EA	4.5mm Diameter, 1m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)		59.01	
		For Up To 10, Add		*39.18*	
		For >10 To 50, Add		*19.59*	
04 01 20 41-0023	EA	4.5mm Diameter, 1.2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)		64.52	
		For Up To 10, Add		*39.18*	
		For >10 To 50, Add		*19.59*	
04 01 20 41-0024	EA	4.5mm Diameter, 7m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)		190.56	
		For Up To 10, Add		*39.18*	
		For >10 To 50, Add		*19.59*	
04 01 20 41-0025	EA	6mm Diameter, 1m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)		59.01	
		For Up To 10, Add		*39.18*	
		For >10 To 50, Add		*19.59*	
04 01 20 41-0026	EA	6mm Diameter, 1.2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)		64.52	
		For Up To 10, Add		*39.18*	
		For >10 To 50, Add		*19.59*	
04 01 20 41-0027	EA	6mm Diameter, 1.5m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)		70.67	
		For Up To 10, Add		*39.18*	
		For >10 To 50, Add		*19.59*	
04 01 20 41-0028	EA	6mm Diameter, 2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)		82.34	
		For Up To 10, Add		*39.18*	
		For >10 To 50, Add		*19.59*	
04 01 20 41-0029	EA	6mm Diameter, 7m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)		190.56	
		For Up To 10, Add		*39.18*	
		For >10 To 50, Add		*19.59*	
04 01 20 41-0030		Mechanical Repair Anchors (Helifix® TorkFix) *(04 01 20 41-0001)*			
		Note: Austenitic stainless steel. For stabilizing masonry veneer walls to inner wythes of brick, concrete block, wood studs or steel studs. Includes drilling and patching surface.			
04 01 20 41-0031		304 Stainless Steel, Mechanical Repair Anchors (Helifix® TorkFix) *(04 01 20 41-0030)*			
04 01 20 41-0032	EA	4-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)		10.41	
		For Up To 10, Add		*5.88*	
		For >10 To 50, Add		*2.94*	
04 01 20 41-0033	EA	5-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)		11.24	
		For Up To 10, Add		*5.88*	
		For >10 To 50, Add		*2.94*	
04 01 20 41-0034	EA	6-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)		12.08	
		For Up To 10, Add		*5.88*	
		For >10 To 50, Add		*2.94*	
04 01 20 41-0035	EA	7-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)		12.92	
		For Up To 10, Add		*5.88*	
		For >10 To 50, Add		*2.94*	
04 01 20 41-0036	EA	8-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)		13.75	
		For Up To 10, Add		*5.88*	
		For >10 To 50, Add		*2.94*	
04 01 20 41-0037	EA	9-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)		14.59	
		For Up To 10, Add		*5.88*	
		For >10 To 50, Add		*2.94*	
04 01 20 41-0038	EA	4-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)		10.41	
		For Up To 10, Add		*5.88*	
		For >10 To 50, Add		*2.94*	
04 01 20 41-0039	EA	5-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)		11.24	
		For Up To 10, Add		*5.88*	
		For >10 To 50, Add		*2.94*	
04 01 20 41-0040	EA	6-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)		12.08	
		For Up To 10, Add		*5.88*	
		For >10 To 50, Add		*2.94*	
04 01 20 41-0041	EA	7-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)		12.92	
		For Up To 10, Add		*5.88*	
		For >10 To 50, Add		*2.94*	
04 01 20 41-0042	EA	8-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)		13.75	
		For Up To 10, Add		*5.88*	
		For >10 To 50, Add		*2.94*	
04 01 20 41-0043	EA	10-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)		15.43	
		For Up To 10, Add		*5.88*	
		For >10 To 50, Add		*2.94*	
04 01 20 41-0044	EA	4-1/2" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)		10.41	
		For Up To 10, Add		*5.88*	
		For >10 To 50, Add		*2.94*	
04 01 20 41-0045	EA	6-1/2" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)		12.08	
		For Up To 10, Add		*5.88*	
		For >10 To 50, Add		*2.94*	
04 01 20 41-0046	EA	8" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)		13.33	
		For Up To 10, Add		*5.88*	
		For >10 To 50, Add		*2.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0047		316 Stainless Steel, Mechanical Repair Anchors (Helifix® TorkFix) *(04 01 20 41-0030)*		
04 01 20 41-0048	EA	4-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	10.41	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
04 01 20 41-0049	EA	5-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	11.24	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
04 01 20 41-0050	EA	6-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	12.08	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
04 01 20 41-0051	EA	7-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	12.92	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
04 01 20 41-0052	EA	8-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	13.75	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
04 01 20 41-0053	EA	9-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	14.59	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
04 01 20 41-0054	EA	4-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	10.41	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
04 01 20 41-0055	EA	5-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	11.24	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
04 01 20 41-0056	EA	6-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	12.08	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
04 01 20 41-0057	EA	7-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	12.92	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
04 01 20 41-0058	EA	8-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	13.75	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
04 01 20 41-0059	EA	10-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	15.43	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
04 01 20 41-0060	EA	4-1/2" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	10.41	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
04 01 20 41-0061	EA	6-1/2" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	12.08	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
04 01 20 41-0062	EA	8" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	13.33	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
04 01 20 41-0063		Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) *(04 01 20 41-0001)*		
		Note: Austenitic stainless steel. For pinning stucco, terracotta, granite, marble, etc., to concrete block, brick or solid concrete. Includes drilling and patching surface.		
04 01 20 41-0064		304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) *(04 01 20 41-0063)*		
04 01 20 41-0065	EA	8mm Diameter, 115mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	8.44	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0066	EA	8mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	8.74	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0067	EA	8mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	8.80	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0068	EA	8mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	8.92	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0069	EA	8mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.14	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0070	EA	8mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.33	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0071	EA	8mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.42	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0072	EA	8mm Diameter, 295mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.54	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0073	EA	8mm Diameter, 325mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.07	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0074	EA	8mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.15	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0075	EA	8mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.79	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0076	EA	8mm Diameter, 450mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.33	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0077	EA	8mm Diameter, 500mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.80	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0078	EA	8mm Diameter, 550mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	13.44	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0079	EA	8mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	14.90	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0080	EA	8mm Diameter, 700mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	16.84	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0081	EA	10mm Diameter, 125mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	8.54	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0082	EA	10mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	8.87	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0083	EA	10mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.16	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0084	EA	10mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.42	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0085	EA	10mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.59	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0086	EA	10mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.70	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0087	EA	10mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.90	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0088	EA	10mm Diameter, 300mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.98	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0089	EA	10mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.35	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0090	EA	10mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.90	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0091	EA	10mm Diameter, 450mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.35	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0092	EA	10mm Diameter, 500mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.92	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0093	EA	10mm Diameter, 550mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	14.99	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0094	EA	10mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	16.72	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0095	EA	10mm Diameter, 700mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	19.39	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0096	EA	8mm Tapered To 6.5mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	9.25	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0097	EA	8mm Tapered To 6.5mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	9.44	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0098	EA	8mm Tapered To 6.5mm Diameter, 185mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	9.56	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0099	EA	8mm Tapered To 6.5mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	9.66	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0100	EA	8mm Tapered To 6.5mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	9.92	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0101	EA	8mm Tapered To 6.5mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.35	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0102	EA	8mm Tapered To 6.5mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.51	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	

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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0103	EA	8mm Tapered To 6.5mm Diameter, 295mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.93	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0104	EA	10mm Tapered To 8mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	9.74	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0105	EA	10mm Tapered To 8mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.11	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0106	EA	10mm Tapered To 8mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.37	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0107	EA	10mm Tapered To 8mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.54	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0108	EA	10mm Tapered To 8mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.66	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0109	EA	10mm Tapered To 8mm Diameter, 300mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.93	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0110	EA	304 Stainless Steel, Seismic Connector (Helifix® DryFix®) Note: For installation over the DryFix® helical pin. Excludes removal of grout from the horizontal mortar joint and installation of Helibar or 9 gauge continuous wire.	4.45	
		For Up To 10, Add	*2.94*	
		For >10 To 50, Add	*1.47*	

04 01 20 41-0111 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) *(04 01 20 41-0063)*

04 01 20 41-0112	EA	8mm Diameter, 115mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	8.92	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0113	EA	8mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.29	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0114	EA	8mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.37	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0115	EA	8mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.52	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0116	EA	8mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.79	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0117	EA	8mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.02	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0118	EA	8mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.14	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0119	EA	8mm Diameter, 295mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.29	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0120	EA	8mm Diameter, 325mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.84	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0121	EA	8mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.94	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0122	EA	8mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.74	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0123	EA	8mm Diameter, 450mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.42	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0124	EA	8mm Diameter, 500mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	13.01	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0125	EA	8mm Diameter, 550mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	15.05	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0126	EA	8mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	16.72	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0127	EA	8mm Diameter, 700mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	19.14	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0128	EA	10mm Diameter, 125mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.11	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0129	EA	10mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.48	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0130	EA	10mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.85	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0131	EA	10mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.17	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0132	EA	10mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.38	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0133	EA	10mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.52	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0134	EA	10mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.77	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0135	EA	10mm Diameter, 300mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.87	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0136	EA	10mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.31	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0137	EA	10mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.92	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0138	EA	10mm Diameter, 450mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.48	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0139	EA	10mm Diameter, 500mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	13.19	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0140	EA	10mm Diameter, 550mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	17.04	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0141	EA	10mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	18.88	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0142	EA	10mm Diameter, 700mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	22.22	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0143	EA	8mm Tapered To 6.5mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.01	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0144	EA	8mm Tapered To 6.5mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.22	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0145	EA	8mm Tapered To 6.5mm Diameter, 185mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.37	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0146	EA	8mm Tapered To 6.5mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.48	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0147	EA	8mm Tapered To 6.5mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.82	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0148	EA	8mm Tapered To 6.5mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.35	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0149	EA	8mm Tapered To 6.5mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.53	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0150	EA	8mm Tapered To 6.5mm Diameter, 295mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.05	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0151	EA	10mm Tapered To 8mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.55	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0152	EA	10mm Tapered To 8mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.01	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0153	EA	10mm Tapered To 8mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.33	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0154	EA	10mm Tapered To 8mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.54	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0155	EA	10mm Tapered To 8mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.68	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0156	EA	10mm Tapered To 8mm Diameter, 300mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.03	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
		For Metal Stud Clip, Add	*2.28*	
04 01 20 41-0157	EA	316 Stainless Steel, Seismic Connector (Helifix® DryFix®)	4.82	
		Note: For installation over the DryFix® helical pin. Excludes removal of grout from the horizontal mortar joint and installation of Helibar or 9 gauge continuous wire.		
		For Up To 10, Add	*2.94*	
		For >10 To 50, Add	*1.47*	
04 01 20 41-0158		Concrete Patching Pins (Helifix® PatchPin) *(04 01 20 41-0001)*		
		Note: Austenitic stainless steel. For patching reinforced concrete. Includes drilling. Excludes patching mortar.		
04 01 20 41-0159		304 Stainless Steel Helical Pin, Concrete Patching Pins (Helifix® PatchPin) *(04 01 20 41-0158)*		
04 01 20 41-0160	EA	8mm Diameter, 70mm Length, 304 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	7.27	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
04 01 20 41-0161	EA	8mm Diameter, 102mm Length, 304 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	7.32	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
04 01 20 41-0162		316 Stainless Steel Helical Pin, Concrete Patching Pins (Helifix® PatchPin) *(04 01 20 41-0158)*		
04 01 20 41-0163	EA	8mm Diameter, 70mm Length, 316 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	7.53	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
04 01 20 41-0164	EA	8mm Diameter, 102mm Length, 316 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	7.59	
		For Up To 10, Add	*5.88*	
		For >10 To 50, Add	*2.94*	
04 01 20 41-0165		Movement Joint Ties (Helifix® Movement Joint Tie *(04 01 20 41-0001)*		
		Note: Austenitic stainless steel. For creating movement joints in existing walls. Includes removing horizontal mortar and re-pointing mortar bed. Includes cementitious grout.		
04 01 20 41-0166		304 Stainless Steel Helical Pin, Movement Joint Ties (Helifix® Movement Joint Tie) *(04 01 20 41-0165)*		
04 01 20 41-0167	EA	6mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Movement Joint Tie With De-Bond Sleeve (Helifix® Movement Joint Tie)	47.14	
		For Up To 10, Add	*39.18*	
		For >10 To 50, Add	*19.59*	
04 01 20 41-0168		316 Stainless Steel Helical Pin, Movement Joint Ties (Helifix® Movement Joint Tie) *(04 01 20 41-0165)*		
04 01 20 41-0169	EA	6mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Movement Joint Tie With De-Bond Sleeve (Helifix® Movement Joint Tie)	48.32	
		For Up To 10, Add	*39.18*	
		For >10 To 50, Add	*19.59*	
04 01 20 41-0170		Unit Masonry Stabilization *(04 01 20 41)*		
04 01 20 41-0171		Repair Bulging Or Loose Masonry *(04 01 20 41-0170)*		
04 01 20 41-0172	SF	Repair Bulging Or Loose Masonry Using Existing Masonry	86.66	
		Note: Includes saw cutting, toothing, removing loose masonry, installing anchor and reinstalling brick and mortar.		
04 01 20 41-0173	SF	Repair Bulging Or Loose Masonry Using New Masonry	92.44	
		Note: Includes saw cutting, toothing, removing loose masonry, installing anchor and installing new brick and mortar.		
04 01 20 51		**Unit Masonry Maintenance** *(04 01 20)*		
04 01 20 51-0001		Repair Masonry *(04 01 20 51)*		
		Note: Includes mortar for repair.		
04 01 20 51-0002	SF	Patch And Repair Terra Cotta Walls Or Coping	20.83	
		Note: Including Replacement Of Damaged Material		
04 01 20 51-0003	SF	Patch And Repair Terra Cotta Floors	19.41	
		Note: Including Replacement Of Damaged Material		
04 01 20 51-0004	LF	Chip And Repair With Masonry Patch, Cracks Up To 1/4"	4.55	
04 01 20 51-0005	SF	Patching Over Masonry Surface With Elastomeric Paint Using A Trowel 6" Blade	8.05	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 51-0006	EA	Cutout Individual Damaged Brick And Replace With New Brick	14.76	
04 01 20 51-0007	LF	Pressure Grout Block/Brick Using LA City RGA Rule Of General Application 1-91 (Portland Cement Base)	429.87	
04 01 20 51-0008	LF	Pressure Grout Block/Brick Master Builders RHEOCEM 900 (Portland Cement Base)	122.64	
04 01 20 51-0009	LF	Up To 1/4" Wide, Water Activated Polyurethane Foam Grout, Non-Structural Crack Repair For Masonry, Installed With Automated Injection Equipment (SealBoss 1570)	37.30	
		For Cracks Accessible From Both Sides, Add	*7.58*	
04 01 20 51-0010	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Masonry, Installed With Automated Injection Equipment (Sikadur® 52)	33.01	
		For Cracks Accessible From Both Sides, Add	*7.58*	
04 01 20 51-0011	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Masonry, Surface Applied Trowel (Sikadur® 52)	9.11	
		For V-Grooving Crack With Grinder, Add	*6.56*	
04 01 20 51-0012	LF	>1/4" To 1/2" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Masonry, Surface Applied With Trowel (Sikadur® 52)	12.26	
		For V-Grooving Crack With Grinder, Add	*6.23*	
04 01 20 51-0013		Grind Unit Masonry *(04 01 20 51)*		
04 01 20 51-0014	SF	Grind Smooth Masonry Wall	4.05	

04 01 20 52 Unit Masonry Cleaning *(04 01 20)*

04 01 20 91 Unit Masonry Restoration *(04 01 20)*

See CSI section 03 01 30 71-0110 for crack repair.

04 01 20 91-0001 Cut And Repoint Masonry *(04 01 20 91)*

Note: Remove existing mortar to 3/4" depth. Repoint with pointing mortar. Includes pointing mortar, cutting, rinsing and cleaning joint.

04 01 20 91-0002	SF	Cut And Repoint, Hard Mortar, Running Bond, Brick	9.91	
		For Common Bond, Add	*0.37*	
		For Flemish Bond, Add	*1.29*	
		For English Bond, Add	*2.11*	
		For Oversized Or Larger Than Standard, Deduct	*-1.49*	
		For Historical Restoration, Add	*1.84*	
		For >250 To 1,000, Deduct	*-0.46*	
		For >1,000, Deduct	*-0.95*	
04 01 20 91-0003	SF	Cut And Repoint, Soft, Loose Or Crumbling Mortar, Running Bond, Brick	6.96	
		For Common Bond, Add	*0.25*	
		For Flemish Bond, Add	*0.87*	
		For English Bond, Add	*1.43*	
		For Oversized Or Larger Than Standard, Deduct	*-1.04*	
		For Historical Restoration, Add	*1.25*	
		For >250 To 1,000, Deduct	*-0.31*	
		For >1,000, Deduct	*-0.66*	
04 01 20 91-0004	SF	Cut And Repoint, Hard Mortar, Running Bond, Concrete Block	5.38	
		For Common Bond, Add	*0.19*	
		For Oversized Or Larger Than Standard, Deduct	*-0.81*	
		For Historical Restoration, Add	*0.93*	
		For >250 To 1,000, Deduct	*-0.23*	
		For >1,000, Deduct	*-0.50*	
04 01 20 91-0005	SF	Cut And Repoint, Soft, Loose Or Crumbling Mortar, Running Bond, Concrete Block	3.90	
		For Common Bond, Add	*0.13*	
		For Oversized Or Larger Than Standard, Deduct	*-0.59*	
		For Historical Restoration, Add	*0.63*	
		For >250 To 1,000, Deduct	*-0.16*	
		For >1,000, Deduct	*-0.35*	
04 01 20 91-0006	LF	Cut And Repoint Brick/Block, Irregular Shapes And Other Than Complete SF Area	3.30	

04 01 50 Maintenance of Refractory Masonry *(04 01)*

04 01 50 52 Refractory Masonry Cleaning *(04 01 50)*

04 01 50 52-0001 Chimney Cleaning *(04 01 50 52)*

04 01 50 52-0002	LF	Up To 2 SF Cross Section Chimney Cleaning	7.98	
04 01 50 52-0003	LF	>2 To 4 SF Cross Section Chimney Cleaning	15.94	
04 01 50 52-0004	LF	>4 SF Cross Section Chimney Cleaning	23.91	

04 05 Common Work Results for Masonry *(04)*

04 05 13 Masonry Mortaring *(04 05)*

04 05 13 26 Engineered Masonry Mortaring *(04 05 13)*

Note: Mortar, sand and standard supplements are included in the cost of brick, block, stone, simulated or synthetic masonry units.

04 05 13 26-0001 Masonry Cement Mortar *(04 05 13 26)*

Note: Ratio is bag material to sand.

04 05 13 26-0002	CF	Type M Masonry Cement 1:1:6 Mix	8.80	
04 05 13 26-0003	CF	Type N Masonry Cement 1:3 Mix	8.12	
04 05 13 26-0004	CF	Type O Masonry Cement 1:3 Mix	8.34	
04 05 13 26-0005	CF	Type PM Masonry Cement 1:1:6 Mix, 2,500 PSI	9.12	
04 05 13 26-0006	CF	Type S Masonry Cement 1/2:1:4 Mix	9.62	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

04 05 13 26-0007 Mortar Admixture *(04 05 13 26)*

04 05 13 26-0008	CF	Water - Repellent Stearate - Cost Based On CF Of Mortar	0.44
04 05 13 26-0009	CF	Pozzolanic Plasticizers - Cost Based On CF Of Mortar	0.08

04 05 13 26-0010 Color Admixtures For Mortar *(04 05 13 26)*

Note: Costs are based on CF of mortar.

04 05 13 26-0011	CF	Buff Colored Admixture	2.81
04 05 13 26-0012	CF	Brown Colored Admixture	3.19
04 05 13 26-0013	CF	Black Colored Admixture	3.95
04 05 13 26-0014	CF	Red Colored Admixture	8.64

04 05 13 26-0015 Portland Cement *(04 05 13 26)*

04 05 13 26-0016	CF	Normal Portland Cement (Type I)	14.97
04 05 13 26-0017	CF	Modified Portland Cement (Type II)	7.46
04 05 13 26-0018	CF	High Early Strength Portland Cement (Type III)	7.92
04 05 13 26-0019	CF	White Non-Staining Portland Cement (Type I)	16.59

04 05 16 Masonry Grouting *(04 05)*

04 05 16 26 Engineered Masonry Grouting *(04 05 16)*

Note: Excludes reinforcement.

04 05 16 26-0001 Grout Bond Beams And Lintels, Grout Fill *(04 05 16 26)*

Note: Excludes block.

04 05 16 26-0002	LF	Grout Bond Beams And Lintels - 6" Block, Grout Fill Only, 0.1125 CF/LF, 8" Deep	4.54
04 05 16 26-0003	LF	Grout Bond Beams And Lintels - 8" Block, Grout Fill Only, 0.20 CF/LF, 8" Deep	4.96
04 05 16 26-0004	LF	Grout Bond Beams And Lintels - 10" Block, Grout Fill Only, 0.25 CF/LF, 8" Deep	5.55
04 05 16 26-0005	LF	Grout Bond Beams And Lintels, 12" Block, Grout Fill Only, 0.30 CF/LF, 8" Deep	6.21

04 05 16 26-0006 Grout Concrete Block Cores, Grout Fill *(04 05 16 26)*

Note: Per SF of face area filled.

04 05 16 26-0007	SF	Grout Concrete Block Cores- 4" Block, Grout Fill Block Solid (0.067 CF/SF)	3.51
04 05 16 26-0008	SF	Grout Concrete Block Cores- 6" Block, Grout Fill Block Solid (0.175 CF/SF)	5.14
04 05 16 26-0009	SF	Grout Concrete Block Cores- 8" Block, Grout Fill Block Solid (0.258 CF/SF)	7.34
04 05 16 26-0010	SF	Grout Concrete Block Cores- 10" Block, Grout Fill Block Solid (0.34 CF/SF)	9.02
04 05 16 26-0011	SF	Grout Concrete Block Cores- 12" Block, Grout Fill Block Solid (0.422 CF/SF)	10.67

04 05 16 26-0012 Grout Cavity Walls, Grout Fill *(04 05 16 26)*

Note: Per SF of face area filled.

04 05 16 26-0013	SF	Grout Cavity Walls - 2" Space, Grout Fill (0.167 CF/SF)	4.17
04 05 16 26-0014	SF	Grout Cavity Walls - 3" Space, Grout Fill (0.250 CF/SF)	5.89
04 05 16 26-0015	SF	Grout Cavity Walls - 4" Space, Grout Fill (0.333 CF/SF)	7.40
04 05 16 26-0016	SF	Grout Cavity Walls - 6" Space, Grout Fill (0.500 CF/SF)	10.06

04 05 16 26-0017 Grout Frames, Grout Fill *(04 05 16 26)*

04 05 16 26-0018	LF	Grout Door Frames - Grout Fill	6.66
04 05 16 26-0019	LF	Grout Window Frames - Grout Fill	5.72

04 05 16 26-0020 Sand Filled Walls *(04 05 16 26)*

04 05 16 26-0021 Sand Fill Cavity Walls, Sand Fill *(04 05 16 26-0020)*

Note: Per SF of face area filled.

04 05 16 26-0022	SF	Sand Fill Cavity Walls - 2" Space, Sand Fill (0.167 CF/SF)	3.37
04 05 16 26-0023	SF	Sand Fill Cavity Walls - 3" Space, Sand Fill (0.250 CF/SF)	4.65
04 05 16 26-0024	SF	Sand Fill Cavity Walls - 4" Space, Sand Fill (0.333 CF/SF)	5.72
04 05 16 26-0025	SF	Sand Fill Cavity Walls - 6" Space, Sand Fill (0.500 CF/SF)	7.61

04 05 19 Masonry Anchorage and Reinforcing *(04 05)*

04 05 19 13 Continuous Joint Reinforcing *(04 05 19)*

Note: Includes cutting and bending.

04 05 19 13-0001 Continuous Joint Reinforcing *(04 05 19 13)*

04 05 19 13-0002 Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0001)*

04 05 19 13-0003 Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0002)*

04 05 19 13-0004 Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0005	CLF	#4 (For 4" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	63.01	
		For Hot-Dipped Galvanized, Add	*12.32*	
		For Stainless Steel, Add	*49.26*	
04 05 19 13-0006	CLF	#6 (For 6" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	66.87	
		For Hot-Dipped Galvanized, Add	*12.94*	
		For Stainless Steel, Add	*51.74*	
04 05 19 13-0007	CLF	#8 (For 8" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	72.00	
		For Hot-Dipped Galvanized, Add	*13.64*	
		For Stainless Steel, Add	*54.54*	
04 05 19 13-0008	CLF	#10 (For 10" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	78.06	
		For Hot-Dipped Galvanized, Add	*14.43*	
		For Stainless Steel, Add	*57.70*	
04 05 19 13-0009	CLF	#12 (For 12" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	85.08	
		For Hot-Dipped Galvanized, Add	*15.20*	
		For Stainless Steel, Add	*60.80*	
04 05 19 13-0010	CLF	#13 (For 13" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	90.20	
		For Hot-Dipped Galvanized, Add	*15.58*	
		For Stainless Steel, Add	*62.30*	
04 05 19 13-0011	CLF	#14 (For 14" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	94.01	
		For Hot-Dipped Galvanized, Add	*16.01*	
		For Stainless Steel, Add	*64.04*	
04 05 19 13-0012	CLF	#16 (For 16" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	109.94	
		For Hot-Dipped Galvanized, Add	*22.01*	
		For Stainless Steel, Add	*88.02*	
04 05 19 13-0013	CLF	#18 (For 18" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	137.91	
		For Hot-Dipped Galvanized, Add	*34.02*	
		For Stainless Steel, Add	*136.08*	
04 05 19 13-0014		**Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement** *(04 05 19 13-0003)*		
04 05 19 13-0015	CLF	#4 (For 4" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	76.66	
		For Hot-Dipped Galvanized, Add	*19.14*	
		For Stainless Steel, Add	*76.56*	
04 05 19 13-0016	CLF	#6 (For 6" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	80.68	
		For Hot-Dipped Galvanized, Add	*19.84*	
		For Stainless Steel, Add	*79.36*	
04 05 19 13-0017	CLF	#8 (For 8" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	85.95	
		For Hot-Dipped Galvanized, Add	*20.61*	
		For Stainless Steel, Add	*82.44*	
04 05 19 13-0018	CLF	#10 (For 10" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	91.87	
		For Hot-Dipped Galvanized, Add	*21.33*	
		For Stainless Steel, Add	*85.32*	
04 05 19 13-0019	CLF	#12 (For 12" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	98.85	
		For Hot-Dipped Galvanized, Add	*22.09*	
		For Stainless Steel, Add	*88.34*	
04 05 19 13-0020	CLF	#13 (For 13" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	104.03	
		For Hot-Dipped Galvanized, Add	*22.50*	
		For Stainless Steel, Add	*90.00*	
04 05 19 13-0021	CLF	#14 (For 14" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	107.75	
		For Hot-Dipped Galvanized, Add	*22.88*	
		For Stainless Steel, Add	*91.50*	
04 05 19 13-0022	CLF	#16 (For 16" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	128.10	
		For Hot-Dipped Galvanized, Add	*31.09*	
		For Stainless Steel, Add	*124.34*	
04 05 19 13-0023	CLF	#18 (For 18" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	169.05	
		For Hot-Dipped Galvanized, Add	*49.60*	
		For Stainless Steel, Add	*198.38*	
04 05 19 13-0024		**Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement** *(04 05 19 13-0003)*		
04 05 19 13-0025	CLF	#4 (For 4" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	89.90	
		For Hot-Dipped Galvanized, Add	*25.76*	
		For Stainless Steel, Add	*103.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0026	CLF	#6 (For 6" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	95.69	
		For Hot-Dipped Galvanized, Add	*27.18*	
		For Stainless Steel, Add	*108.70*	
04 05 19 13-0027	CLF	#8 (For 8" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	101.47	
		For Hot-Dipped Galvanized, Add	*28.59*	
		For Stainless Steel, Add	*114.36*	
04 05 19 13-0028	CLF	#10 (For 10" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	109.78	
		For Hot-Dipped Galvanized, Add	*30.29*	
		For Stainless Steel, Add	*121.14*	
04 05 19 13-0029	CLF	#12 (For 12" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	118.06	
		For Hot-Dipped Galvanized, Add	*31.97*	
		For Stainless Steel, Add	*127.86*	
04 05 19 13-0030	CLF	#13 (For 13" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	124.79	
		For Hot-Dipped Galvanized, Add	*32.87*	
		For Stainless Steel, Add	*131.48*	
04 05 19 13-0031	CLF	#14 (For 14" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	128.80	
		For Hot-Dipped Galvanized, Add	*33.65*	
		For Stainless Steel, Add	*134.58*	
04 05 19 13-0032	CLF	#16 (For 16" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	136.32	
		For Hot-Dipped Galvanized, Add	*35.19*	
		For Stainless Steel, Add	*140.76*	
04 05 19 13-0033	CLF	#18 (For 18" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	186.80	
		For Hot-Dipped Galvanized, Add	*58.46*	
		For Stainless Steel, Add	*233.84*	

04 05 19 13-0034 Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

04 05 19 13-0035	CLF	#4 (For 4" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	94.45	
		For Hot-Dipped Galvanized, Add	*28.04*	
		For Stainless Steel, Add	*112.14*	
04 05 19 13-0036	CLF	#6 (For 6" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	98.30	
		For Hot-Dipped Galvanized, Add	*28.65*	
		For Stainless Steel, Add	*114.58*	
04 05 19 13-0037	CLF	#8 (For 8" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	103.42	
		For Hot-Dipped Galvanized, Add	*29.35*	
		For Stainless Steel, Add	*117.38*	
04 05 19 13-0038	CLF	#10 (For 10" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	109.48	
		For Hot-Dipped Galvanized, Add	*30.14*	
		For Stainless Steel, Add	*120.54*	
04 05 19 13-0039	CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	116.50	
		For Hot-Dipped Galvanized, Add	*30.91*	
		For Stainless Steel, Add	*123.64*	
04 05 19 13-0040	CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	121.62	
		For Hot-Dipped Galvanized, Add	*31.29*	
		For Stainless Steel, Add	*125.14*	
04 05 19 13-0041	CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	125.42	
		For Hot-Dipped Galvanized, Add	*31.72*	
		For Stainless Steel, Add	*126.86*	
04 05 19 13-0042	CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	141.37	
		For Hot-Dipped Galvanized, Add	*37.72*	
		For Stainless Steel, Add	*150.86*	

04 05 19 13-0043 Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

04 05 19 13-0044	CLF	#4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	108.10	
		For Hot-Dipped Galvanized, Add	*34.86*	
		For Stainless Steel, Add	*139.44*	
04 05 19 13-0045	CLF	#6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	112.13	
		For Hot-Dipped Galvanized, Add	*35.56*	
		For Stainless Steel, Add	*142.24*	
04 05 19 13-0046	CLF	#8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	117.40	
		For Hot-Dipped Galvanized, Add	*36.34*	
		For Stainless Steel, Add	*145.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0047	CLF	#10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	123.31	
		For Hot-Dipped Galvanized, Add	*37.05*	
		For Stainless Steel, Add	*148.20*	
04 05 19 13-0048	CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	130.29	
		For Hot-Dipped Galvanized, Add	*37.81*	
		For Stainless Steel, Add	*151.22*	
04 05 19 13-0049	CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	135.47	
		For Hot-Dipped Galvanized, Add	*38.22*	
		For Stainless Steel, Add	*152.88*	
04 05 19 13-0050	CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	139.19	
		For Hot-Dipped Galvanized, Add	*38.60*	
		For Stainless Steel, Add	*154.38*	
04 05 19 13-0051	CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	159.54	
		For Hot-Dipped Galvanized, Add	*46.81*	
		For Stainless Steel, Add	*187.22*	
04 05 19 13-0052	CLF	#18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	200.50	
		For Hot-Dipped Galvanized, Add	*65.32*	
		For Stainless Steel, Add	*261.28*	

04 05 19 13-0053 Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

04 05 19 13-0054	CLF	#4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	121.32	
		For Hot-Dipped Galvanized, Add	*41.47*	
		For Stainless Steel, Add	*165.88*	
04 05 19 13-0055	CLF	#6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	127.12	
		For Hot-Dipped Galvanized, Add	*42.89*	
		For Stainless Steel, Add	*171.56*	
04 05 19 13-0056	CLF	#8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	132.90	
		For Hot-Dipped Galvanized, Add	*44.31*	
		For Stainless Steel, Add	*177.22*	
04 05 19 13-0057	CLF	#10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	141.20	
		For Hot-Dipped Galvanized, Add	*46.00*	
		For Stainless Steel, Add	*183.98*	
04 05 19 13-0058	CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	149.50	
		For Hot-Dipped Galvanized, Add	*47.69*	
		For Stainless Steel, Add	*190.74*	
04 05 19 13-0059	CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	156.21	
		For Hot-Dipped Galvanized, Add	*48.58*	
		For Stainless Steel, Add	*194.32*	
04 05 19 13-0060	CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	160.22	
		For Hot-Dipped Galvanized, Add	*49.36*	
		For Stainless Steel, Add	*197.42*	
04 05 19 13-0061	CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	167.74	
		For Hot-Dipped Galvanized, Add	*50.90*	
		For Stainless Steel, Add	*203.60*	
04 05 19 13-0062	CLF	#18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	218.23	
		For Hot-Dipped Galvanized, Add	*74.18*	
		For Stainless Steel, Add	*296.70*	

04 05 19 13-0063 Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

04 05 19 13-0064	CLF	#4 (For 4" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	125.88	
		For Hot-Dipped Galvanized, Add	*43.75*	
		For Stainless Steel, Add	*175.00*	
04 05 19 13-0065	CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	129.73	
		For Hot-Dipped Galvanized, Add	*44.36*	
		For Stainless Steel, Add	*177.44*	
04 05 19 13-0066	CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	134.85	
		For Hot-Dipped Galvanized, Add	*45.06*	
		For Stainless Steel, Add	*180.24*	
04 05 19 13-0067	CLF	#10 (For 10" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	140.91	
		For Hot-Dipped Galvanized, Add	*45.85*	
		For Stainless Steel, Add	*183.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0068	CLF	#12 (For 12" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	147.93	
		For Hot-Dipped Galvanized, Add	*46.63*	
		For Stainless Steel, Add	*186.50*	
04 05 19 13-0069	CLF	#13 (For 13" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	153.05	
		For Hot-Dipped Galvanized, Add	*47.00*	
		For Stainless Steel, Add	*188.00*	
04 05 19 13-0070	CLF	#14 (For 14" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	156.85	
		For Hot-Dipped Galvanized, Add	*47.43*	
		For Stainless Steel, Add	*189.72*	
04 05 19 13-0071	CLF	#16 (For 16" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	172.80	
		For Hot-Dipped Galvanized, Add	*53.43*	
		For Stainless Steel, Add	*213.72*	
04 05 19 13-0072	CLF	#18 (For 18" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	200.76	
		For Hot-Dipped Galvanized, Add	*65.45*	
		For Stainless Steel, Add	*261.78*	

04 05 19 13-0073 Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

04 05 19 13-0074	CLF	#4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	139.53	
		For Hot-Dipped Galvanized, Add	*50.58*	
		For Stainless Steel, Add	*202.30*	
04 05 19 13-0075	CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	143.56	
		For Hot-Dipped Galvanized, Add	*51.28*	
		For Stainless Steel, Add	*205.10*	
04 05 19 13-0076	CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	148.83	
		For Hot-Dipped Galvanized, Add	*52.05*	
		For Stainless Steel, Add	*208.20*	
04 05 19 13-0077	CLF	#10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, Four-Wire, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	154.74	
		For Hot-Dipped Galvanized, Add	*52.77*	
		For Stainless Steel, Add	*211.06*	
04 05 19 13-0078	CLF	#12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	161.72	
		For Hot-Dipped Galvanized, Add	*53.52*	
		For Stainless Steel, Add	*214.08*	
04 05 19 13-0079	CLF	#13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	166.90	
		For Hot-Dipped Galvanized, Add	*53.94*	
		For Stainless Steel, Add	*215.74*	
04 05 19 13-0080	CLF	#14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	170.62	
		For Hot-Dipped Galvanized, Add	*54.31*	
		For Stainless Steel, Add	*217.24*	
04 05 19 13-0081	CLF	#16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	190.97	
		For Hot-Dipped Galvanized, Add	*62.52*	
		For Stainless Steel, Add	*250.08*	
04 05 19 13-0082	CLF	#18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	231.93	
		For Hot-Dipped Galvanized, Add	*81.04*	
		For Stainless Steel, Add	*324.14*	

04 05 19 13-0083 Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

04 05 19 13-0084	CLF	#4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	152.75	
		For Hot-Dipped Galvanized, Add	*57.19*	
		For Stainless Steel, Add	*228.74*	
04 05 19 13-0085	CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	158.55	
		For Hot-Dipped Galvanized, Add	*58.61*	
		For Stainless Steel, Add	*234.42*	
04 05 19 13-0086	CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	164.33	
		For Hot-Dipped Galvanized, Add	*60.02*	
		For Stainless Steel, Add	*240.08*	
04 05 19 13-0087	CLF	#10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	172.63	
		For Hot-Dipped Galvanized, Add	*61.71*	
		For Stainless Steel, Add	*246.84*	
04 05 19 13-0088	CLF	#12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	180.93	
		For Hot-Dipped Galvanized, Add	*63.40*	
		For Stainless Steel, Add	*253.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0089	CLF	#13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	187.64	
		For Hot-Dipped Galvanized, Add	*64.30*	
		For Stainless Steel, Add	*257.18*	
04 05 19 13-0090	CLF	#14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	191.65	
		For Hot-Dipped Galvanized, Add	*65.07*	
		For Stainless Steel, Add	*260.28*	
04 05 19 13-0091	CLF	#16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	199.17	
		For Hot-Dipped Galvanized, Add	*66.62*	
		For Stainless Steel, Add	*266.46*	
04 05 19 13-0092	CLF	#18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	249.66	
		For Hot-Dipped Galvanized, Add	*89.89*	
		For Stainless Steel, Add	*359.56*	

04 05 19 13-0093 Ladder-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0002)*

04 05 19 13-0094 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0093)*

04 05 19 13-0095	CLF	#8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	91.69	
		For Hot-Dipped Galvanized, Add	*20.93*	
		For Stainless Steel, Add	*83.72*	
04 05 19 13-0096	CLF	#10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	101.07	
		For Hot-Dipped Galvanized, Add	*22.86*	
		For Stainless Steel, Add	*91.42*	
04 05 19 13-0097	CLF	#12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	110.01	
		For Hot-Dipped Galvanized, Add	*24.56*	
		For Stainless Steel, Add	*98.22*	
04 05 19 13-0098	CLF	#13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	117.50	
		For Hot-Dipped Galvanized, Add	*25.54*	
		For Stainless Steel, Add	*102.14*	
04 05 19 13-0099	CLF	#14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	122.08	
		For Hot-Dipped Galvanized, Add	*26.44*	
		For Stainless Steel, Add	*105.76*	
04 05 19 13-0100	CLF	#16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	131.09	
		For Hot-Dipped Galvanized, Add	*28.46*	
		For Stainless Steel, Add	*113.82*	
04 05 19 13-0101	CLF	#18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	138.84	
		For Hot-Dipped Galvanized, Add	*30.12*	
		For Stainless Steel, Add	*120.46*	

04 05 19 13-0102 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0093)*

04 05 19 13-0103	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	108.70	
		For Hot-Dipped Galvanized, Add	*29.44*	
		For Stainless Steel, Add	*117.74*	
04 05 19 13-0104	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	118.12	
		For Hot-Dipped Galvanized, Add	*31.38*	
		For Stainless Steel, Add	*125.52*	
04 05 19 13-0105	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	126.87	
		For Hot-Dipped Galvanized, Add	*32.99*	
		For Stainless Steel, Add	*131.94*	
04 05 19 13-0106	CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	134.55	
		For Hot-Dipped Galvanized, Add	*34.06*	
		For Stainless Steel, Add	*136.24*	
04 05 19 13-0107	CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	139.09	
		For Hot-Dipped Galvanized, Add	*34.95*	
		For Stainless Steel, Add	*139.78*	
04 05 19 13-0108	CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	148.10	
		For Hot-Dipped Galvanized, Add	*36.96*	
		For Stainless Steel, Add	*147.84*	
04 05 19 13-0109	CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	156.08	
		For Hot-Dipped Galvanized, Add	*38.74*	
		For Stainless Steel, Add	*154.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

04 05 19 13-0110 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0093)*

04 05 19 13-0111	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	116.96	
		For Hot-Dipped Galvanized, Add	*33.57*	
		For Stainless Steel, Add	*134.26*	
04 05 19 13-0112	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	128.34	
		For Hot-Dipped Galvanized, Add	*36.49*	
		For Stainless Steel, Add	*145.96*	
04 05 19 13-0113	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	139.61	
		For Hot-Dipped Galvanized, Add	*39.36*	
		For Stainless Steel, Add	*157.42*	
04 05 19 13-0114	CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	148.20	
		For Hot-Dipped Galvanized, Add	*40.89*	
		For Stainless Steel, Add	*163.54*	
04 05 19 13-0115	CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	153.76	
		For Hot-Dipped Galvanized, Add	*42.28*	
		For Stainless Steel, Add	*169.12*	
04 05 19 13-0116	CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	164.70	
		For Hot-Dipped Galvanized, Add	*45.26*	
		For Stainless Steel, Add	*181.04*	
04 05 19 13-0117	CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	174.97	
		For Hot-Dipped Galvanized, Add	*48.18*	
		For Stainless Steel, Add	*192.72*	

04 05 19 13-0118 Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0002)*

04 05 19 13-0119 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0118)*

04 05 19 13-0120	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	137.48	
		For Hot-Dipped Galvanized, Add	*43.83*	
		For Stainless Steel, Add	*175.30*	
04 05 19 13-0121	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	145.69	
		For Hot-Dipped Galvanized, Add	*45.17*	
		For Stainless Steel, Add	*180.66*	
04 05 19 13-0122	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	153.95	
		For Hot-Dipped Galvanized, Add	*46.53*	
		For Stainless Steel, Add	*186.10*	
04 05 19 13-0123	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	165.26	
		For Hot-Dipped Galvanized, Add	*48.03*	
		For Stainless Steel, Add	*192.12*	
04 05 19 13-0124	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	173.26	
		For Hot-Dipped Galvanized, Add	*49.54*	
		For Stainless Steel, Add	*198.16*	
04 05 19 13-0125	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	182.29	
		For Hot-Dipped Galvanized, Add	*51.84*	
		For Stainless Steel, Add	*207.36*	

04 05 19 13-0126 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0118)*

04 05 19 13-0127	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	164.15	
		For Hot-Dipped Galvanized, Add	*57.16*	
		For Stainless Steel, Add	*228.64*	
04 05 19 13-0128	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	172.39	
		For Hot-Dipped Galvanized, Add	*58.52*	
		For Stainless Steel, Add	*234.06*	
04 05 19 13-0129	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	180.99	
		For Hot-Dipped Galvanized, Add	*60.05*	
		For Stainless Steel, Add	*240.18*	
04 05 19 13-0130	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	191.97	
		For Hot-Dipped Galvanized, Add	*61.39*	
		For Stainless Steel, Add	*245.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0131	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	200.00	
		For Hot-Dipped Galvanized, Add	*62.91*	
		For Stainless Steel, Add	*251.64*	
04 05 19 13-0132	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	207.49	
		For Hot-Dipped Galvanized, Add	*64.44*	
		For Stainless Steel, Add	*257.76*	

04 05 19 13-0133 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0118)*

04 05 19 13-0134	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	166.11	
		For Hot-Dipped Galvanized, Add	*58.14*	
		For Stainless Steel, Add	*232.56*	
04 05 19 13-0135	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	175.82	
		For Hot-Dipped Galvanized, Add	*60.23*	
		For Stainless Steel, Add	*240.92*	
04 05 19 13-0136	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	185.51	
		For Hot-Dipped Galvanized, Add	*62.31*	
		For Stainless Steel, Add	*249.22*	
04 05 19 13-0137	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	198.83	
		For Hot-Dipped Galvanized, Add	*64.82*	
		For Stainless Steel, Add	*259.26*	
04 05 19 13-0138	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	208.79	
		For Hot-Dipped Galvanized, Add	*67.31*	
		For Stainless Steel, Add	*269.22*	
04 05 19 13-0139	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	218.16	
		For Hot-Dipped Galvanized, Add	*69.78*	
		For Stainless Steel, Add	*279.10*	

04 05 19 13-0140 Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0002)*

04 05 19 13-0141 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0140)*

04 05 19 13-0142	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	147.99	
		For Hot-Dipped Galvanized, Add	*46.32*	
		For Stainless Steel, Add	*185.26*	
04 05 19 13-0143	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	156.17	
		For Hot-Dipped Galvanized, Add	*47.64*	
		For Stainless Steel, Add	*190.54*	
04 05 19 13-0144	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	167.11	
		For Hot-Dipped Galvanized, Add	*48.96*	
		For Stainless Steel, Add	*195.82*	
04 05 19 13-0145	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	175.22	
		For Hot-Dipped Galvanized, Add	*50.52*	
		For Stainless Steel, Add	*202.08*	
04 05 19 13-0146	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	182.67	
		For Hot-Dipped Galvanized, Add	*52.03*	
		For Stainless Steel, Add	*208.12*	
04 05 19 13-0147	CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	191.82	
		For Hot-Dipped Galvanized, Add	*55.07*	
		For Stainless Steel, Add	*220.26*	

04 05 19 13-0148 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0140)*

04 05 19 13-0149	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	174.69	
		For Hot-Dipped Galvanized, Add	*59.67*	
		For Stainless Steel, Add	*238.66*	
04 05 19 13-0150	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	182.91	
		For Hot-Dipped Galvanized, Add	*61.01*	
		For Stainless Steel, Add	*244.02*	
04 05 19 13-0151	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	194.23	
		For Hot-Dipped Galvanized, Add	*62.52*	
		For Stainless Steel, Add	*250.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0152	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	201.89	
		For Hot-Dipped Galvanized, Add	*63.86*	
		For Stainless Steel, Add	*255.42*	
04 05 19 13-0153	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	209.37	
		For Hot-Dipped Galvanized, Add	*65.38*	
		For Stainless Steel, Add	*261.52*	
04 05 19 13-0154	CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	218.86	
		For Hot-Dipped Galvanized, Add	*68.59*	
		For Stainless Steel, Add	*274.34*	

04 05 19 13-0155 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0140)*

04 05 19 13-0156	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	176.58	
		For Hot-Dipped Galvanized, Add	*60.61*	
		For Stainless Steel, Add	*242.44*	
04 05 19 13-0157	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	186.31	
		For Hot-Dipped Galvanized, Add	*62.71*	
		For Stainless Steel, Add	*250.82*	
04 05 19 13-0158	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	198.83	
		For Hot-Dipped Galvanized, Add	*64.82*	
		For Stainless Steel, Add	*259.26*	
04 05 19 13-0159	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	208.79	
		For Hot-Dipped Galvanized, Add	*67.31*	
		For Stainless Steel, Add	*269.22*	
04 05 19 13-0160	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	218.16	
		For Hot-Dipped Galvanized, Add	*69.78*	
		For Stainless Steel, Add	*279.10*	
04 05 19 13-0161	CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	228.33	
		For Hot-Dipped Galvanized, Add	*73.32*	
		For Stainless Steel, Add	*293.28*	

04 05 19 13-0162 Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0002)*

04 05 19 13-0163 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0162)*

04 05 19 13-0164	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	139.20	
		For Hot-Dipped Galvanized, Add	*41.92*	
		For Stainless Steel, Add	*167.68*	
		For Seismic Hook And Eye, Add	*18.03*	
04 05 19 13-0165	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	146.93	
		For Hot-Dipped Galvanized, Add	*43.02*	
		For Stainless Steel, Add	*172.06*	
		For Seismic Hook And Eye, Add	*18.50*	
04 05 19 13-0166	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	157.57	
		For Hot-Dipped Galvanized, Add	*44.19*	
		For Stainless Steel, Add	*176.74*	
		For Seismic Hook And Eye, Add	*19.00*	
04 05 19 13-0167	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	165.04	
		For Hot-Dipped Galvanized, Add	*45.43*	
		For Stainless Steel, Add	*181.72*	
		For Seismic Hook And Eye, Add	*19.53*	
04 05 19 13-0168	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	172.07	
		For Hot-Dipped Galvanized, Add	*46.73*	
		For Stainless Steel, Add	*186.92*	
		For Seismic Hook And Eye, Add	*20.09*	
04 05 19 13-0169	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	177.49	
		For Hot-Dipped Galvanized, Add	*47.90*	
		For Stainless Steel, Add	*191.60*	
		For Seismic Hook And Eye, Add	*20.60*	

04 05 19 13-0170 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0162)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0171	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	164.25	
		For Hot-Dipped Galvanized, Add	*54.45*	
		For Stainless Steel, Add	*217.78*	
		For Seismic Hook And Eye, Add	*23.41*	
04 05 19 13-0172	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	171.48	
		For Hot-Dipped Galvanized, Add	*55.29*	
		For Stainless Steel, Add	*221.16*	
		For Seismic Hook And Eye, Add	*23.77*	
04 05 19 13-0173	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	182.20	
		For Hot-Dipped Galvanized, Add	*56.50*	
		For Stainless Steel, Add	*226.00*	
		For Seismic Hook And Eye, Add	*24.30*	
04 05 19 13-0174	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	189.52	
		For Hot-Dipped Galvanized, Add	*57.67*	
		For Stainless Steel, Add	*230.68*	
		For Seismic Hook And Eye, Add	*24.80*	
04 05 19 13-0175	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	196.28	
		For Hot-Dipped Galvanized, Add	*58.84*	
		For Stainless Steel, Add	*235.34*	
		For Seismic Hook And Eye, Add	*25.30*	
04 05 19 13-0176	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	204.42	
		For Hot-Dipped Galvanized, Add	*61.37*	
		For Stainless Steel, Add	*245.46*	
		For Seismic Hook And Eye, Add	*26.39*	

04 05 19 13-0177 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0162)*

04 05 19 13-0178	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	166.09	
		For Hot-Dipped Galvanized, Add	*55.37*	
		For Stainless Steel, Add	*221.46*	
		For Seismic Hook And Eye, Add	*23.81*	
04 05 19 13-0179	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	175.63	
		For Hot-Dipped Galvanized, Add	*57.37*	
		For Stainless Steel, Add	*229.46*	
		For Seismic Hook And Eye, Add	*24.67*	
04 05 19 13-0180	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	187.89	
		For Hot-Dipped Galvanized, Add	*59.35*	
		For Stainless Steel, Add	*237.38*	
		For Seismic Hook And Eye, Add	*25.52*	
04 05 19 13-0181	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	197.62	
		For Hot-Dipped Galvanized, Add	*61.72*	
		For Stainless Steel, Add	*246.88*	
		For Seismic Hook And Eye, Add	*26.54*	
04 05 19 13-0182	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	206.81	
		For Hot-Dipped Galvanized, Add	*64.10*	
		For Stainless Steel, Add	*256.40*	
		For Seismic Hook And Eye, Add	*27.56*	
04 05 19 13-0183	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	214.60	
		For Hot-Dipped Galvanized, Add	*66.46*	
		For Stainless Steel, Add	*265.82*	
		For Seismic Hook And Eye, Add	*28.58*	

04 05 19 13-0184 Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0002)*

04 05 19 13-0185 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0184)*

04 05 19 13-0186	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	149.72	
		For Hot-Dipped Galvanized, Add	*44.41*	
		For Stainless Steel, Add	*177.64*	
		For Seismic Hook And Eye, Add	*19.10*	
04 05 19 13-0187	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	160.17	
		For Hot-Dipped Galvanized, Add	*45.49*	
		For Stainless Steel, Add	*181.94*	
		For Seismic Hook And Eye, Add	*19.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0188	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	167.30	
		For Hot-Dipped Galvanized, Add	*46.56*	
		For Stainless Steel, Add	*186.24*	
		For Seismic Hook And Eye, Add	*20.02*	
04 05 19 13-0189	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	174.48	
		For Hot-Dipped Galvanized, Add	*47.94*	
		For Stainless Steel, Add	*191.74*	
		For Seismic Hook And Eye, Add	*20.61*	
04 05 19 13-0190	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	180.05	
		For Hot-Dipped Galvanized, Add	*49.18*	
		For Stainless Steel, Add	*196.72*	
		For Seismic Hook And Eye, Add	*21.15*	

04 05 19 13-0191 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0184)*

04 05 19 13-0192	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	173.86	
		For Hot-Dipped Galvanized, Add	*56.48*	
		For Stainless Steel, Add	*225.92*	
		For Seismic Hook And Eye, Add	*24.29*	
04 05 19 13-0193	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	184.50	
		For Hot-Dipped Galvanized, Add	*57.65*	
		For Stainless Steel, Add	*230.60*	
		For Seismic Hook And Eye, Add	*24.79*	
04 05 19 13-0194	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	191.97	
		For Hot-Dipped Galvanized, Add	*58.90*	
		For Stainless Steel, Add	*235.58*	
		For Seismic Hook And Eye, Add	*25.32*	
04 05 19 13-0195	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	198.40	
		For Hot-Dipped Galvanized, Add	*59.90*	
		For Stainless Steel, Add	*239.58*	
		For Seismic Hook And Eye, Add	*25.75*	
04 05 19 13-0196	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	204.19	
		For Hot-Dipped Galvanized, Add	*61.25*	
		For Stainless Steel, Add	*245.00*	
		For Seismic Hook And Eye, Add	*26.34*	

04 05 19 13-0197 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0184)*

04 05 19 13-0198	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	176.35	
		For Hot-Dipped Galvanized, Add	*57.73*	
		For Stainless Steel, Add	*230.90*	
		For Seismic Hook And Eye, Add	*24.82*	
04 05 19 13-0199	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	188.65	
		For Hot-Dipped Galvanized, Add	*59.73*	
		For Stainless Steel, Add	*238.90*	
		For Seismic Hook And Eye, Add	*25.68*	
04 05 19 13-0200	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	197.62	
		For Hot-Dipped Galvanized, Add	*61.72*	
		For Stainless Steel, Add	*246.88*	
		For Seismic Hook And Eye, Add	*26.54*	
04 05 19 13-0201	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	206.81	
		For Hot-Dipped Galvanized, Add	*64.10*	
		For Stainless Steel, Add	*256.40*	
		For Seismic Hook And Eye, Add	*27.56*	
04 05 19 13-0202	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	214.60	
		For Hot-Dipped Galvanized, Add	*66.46*	
		For Stainless Steel, Add	*265.82*	
		For Seismic Hook And Eye, Add	*28.58*	

04 05 19 13-0203 Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0001)*

04 05 19 13-0204 Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0203)*

04 05 19 13-0205 Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

04 05 19 13-0206	CLF	#4 (For 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	73.30	
		For Hot-Dipped Galvanized, Add	*17.46*	
		For Stainless Steel, Add	*69.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0207	CLF	#6 (For 6" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	76.30	
		For Hot-Dipped Galvanized, Add	*17.65*	
		For Stainless Steel, Add	*70.60*	
04 05 19 13-0208	CLF	#8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	81.43	
		For Hot-Dipped Galvanized, Add	*18.35*	
		For Stainless Steel, Add	*73.40*	
04 05 19 13-0209	CLF	#10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	87.72	
		For Hot-Dipped Galvanized, Add	*19.26*	
		For Stainless Steel, Add	*77.02*	
04 05 19 13-0210	CLF	#12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	95.22	
		For Hot-Dipped Galvanized, Add	*20.27*	
		For Stainless Steel, Add	*81.08*	
04 05 19 13-0211	CLF	#13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	100.69	
		For Hot-Dipped Galvanized, Add	*20.82*	
		For Stainless Steel, Add	*83.28*	
04 05 19 13-0212	CLF	#14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	104.73	
		For Hot-Dipped Galvanized, Add	*21.61*	
		For Stainless Steel, Add	*86.44*	
04 05 19 13-0213	CLF	#16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	126.65	
		For Hot-Dipped Galvanized, Add	*30.36*	
		For Stainless Steel, Add	*121.44*	
04 05 19 13-0214	CLF	#18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	134.05	
		For Hot-Dipped Galvanized, Add	*32.10*	
		For Stainless Steel, Add	*128.38*	
04 05 19 13-0215	CLF	#20 (For 20" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	185.83	
		For Hot-Dipped Galvanized, Add	*55.52*	
		For Stainless Steel, Add	*222.08*	

04 05 19 13-0216 Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

04 05 19 13-0217	CLF	#4 (For 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	86.81	
		For Hot-Dipped Galvanized, Add	*24.22*	
		For Stainless Steel, Add	*96.86*	
04 05 19 13-0218	CLF	#6 (For 6" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	90.11	
		For Hot-Dipped Galvanized, Add	*24.56*	
		For Stainless Steel, Add	*98.22*	
04 05 19 13-0219	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	95.23	
		For Hot-Dipped Galvanized, Add	*25.25*	
		For Stainless Steel, Add	*101.00*	
04 05 19 13-0220	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	101.48	
		For Hot-Dipped Galvanized, Add	*26.14*	
		For Stainless Steel, Add	*104.54*	
04 05 19 13-0221	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	108.80	
		For Hot-Dipped Galvanized, Add	*27.06*	
		For Stainless Steel, Add	*108.24*	
04 05 19 13-0222	CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	114.43	
		For Hot-Dipped Galvanized, Add	*27.70*	
		For Stainless Steel, Add	*110.80*	
04 05 19 13-0223	CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	118.27	
		For Hot-Dipped Galvanized, Add	*28.38*	
		For Stainless Steel, Add	*113.52*	
04 05 19 13-0224	CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	144.83	
		For Hot-Dipped Galvanized, Add	*39.45*	
		For Stainless Steel, Add	*157.80*	
04 05 19 13-0225	CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	152.23	
		For Hot-Dipped Galvanized, Add	*41.19*	
		For Stainless Steel, Add	*164.74*	
04 05 19 13-0226	CLF	#20 (For 20" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	225.48	
		For Hot-Dipped Galvanized, Add	*77.81*	
		For Stainless Steel, Add	*311.24*	

04 05 19 13-0227 Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0228	CLF	#4 (For 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	107.48	
		For Hot-Dipped Galvanized, Add	*34.55*	
		For Stainless Steel, Add	*138.20*	
04 05 19 13-0229	CLF	#6 (For 6" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	111.30	
		For Hot-Dipped Galvanized, Add	*34.98*	
		For Stainless Steel, Add	*139.92*	
04 05 19 13-0230	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	116.82	
		For Hot-Dipped Galvanized, Add	*36.27*	
		For Stainless Steel, Add	*145.06*	
04 05 19 13-0231	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	125.25	
		For Hot-Dipped Galvanized, Add	*38.02*	
		For Stainless Steel, Add	*152.08*	
04 05 19 13-0232	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	134.54	
		For Hot-Dipped Galvanized, Add	*40.21*	
		For Stainless Steel, Add	*160.82*	
04 05 19 13-0233	CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	141.46	
		For Hot-Dipped Galvanized, Add	*41.21*	
		For Stainless Steel, Add	*164.82*	
04 05 19 13-0234	CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	146.90	
		For Hot-Dipped Galvanized, Add	*42.70*	
		For Stainless Steel, Add	*170.78*	
04 05 19 13-0235	CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	185.80	
		For Hot-Dipped Galvanized, Add	*59.93*	
		For Stainless Steel, Add	*239.72*	
04 05 19 13-0236	CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	196.53	
		For Hot-Dipped Galvanized, Add	*63.33*	
		For Stainless Steel, Add	*253.30*	
04 05 19 13-0237	CLF	#20 (For 20" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	293.77	
		For Hot-Dipped Galvanized, Add	*109.49*	
		For Stainless Steel, Add	*437.96*	

04 05 19 13-0238 Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

04 05 19 13-0239	CLF	#4 (For 4" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	94.45	
		For Hot-Dipped Galvanized, Add	*28.04*	
		For Stainless Steel, Add	*112.14*	
04 05 19 13-0240	CLF	#6 (For 6" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	98.30	
		For Hot-Dipped Galvanized, Add	*28.65*	
		For Stainless Steel, Add	*114.58*	
04 05 19 13-0241	CLF	#8 (For 8" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	103.42	
		For Hot-Dipped Galvanized, Add	*29.35*	
		For Stainless Steel, Add	*117.38*	
04 05 19 13-0242	CLF	#10 (For 10" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	109.48	
		For Hot-Dipped Galvanized, Add	*30.14*	
		For Stainless Steel, Add	*120.54*	
04 05 19 13-0243	CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	116.50	
		For Hot-Dipped Galvanized, Add	*30.91*	
		For Stainless Steel, Add	*123.64*	
04 05 19 13-0244	CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	121.62	
		For Hot-Dipped Galvanized, Add	*31.29*	
		For Stainless Steel, Add	*125.14*	
04 05 19 13-0245	CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	125.42	
		For Hot-Dipped Galvanized, Add	*31.72*	
		For Stainless Steel, Add	*126.86*	
04 05 19 13-0246	CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	141.37	
		For Hot-Dipped Galvanized, Add	*37.72*	
		For Stainless Steel, Add	*150.86*	

04 05 19 13-0247 Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

04 05 19 13-0248	CLF	#4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	108.10	
		For Hot-Dipped Galvanized, Add	*34.86*	
		For Stainless Steel, Add	*139.44*	
04 05 19 13-0249	CLF	#6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	112.13	
		For Hot-Dipped Galvanized, Add	*35.56*	
		For Stainless Steel, Add	*142.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0250	CLF	#8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	117.40	
		For Hot-Dipped Galvanized, Add	*36.34*	
		For Stainless Steel, Add	*145.34*	
04 05 19 13-0251	CLF	#10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	123.31	
		For Hot-Dipped Galvanized, Add	*37.05*	
		For Stainless Steel, Add	*148.20*	
04 05 19 13-0252	CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	130.29	
		For Hot-Dipped Galvanized, Add	*37.81*	
		For Stainless Steel, Add	*151.22*	
04 05 19 13-0253	CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	135.47	
		For Hot-Dipped Galvanized, Add	*38.22*	
		For Stainless Steel, Add	*152.88*	
04 05 19 13-0254	CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	139.19	
		For Hot-Dipped Galvanized, Add	*38.60*	
		For Stainless Steel, Add	*154.38*	
04 05 19 13-0255	CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	159.54	
		For Hot-Dipped Galvanized, Add	*46.81*	
		For Stainless Steel, Add	*187.22*	
04 05 19 13-0256	CLF	#18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	200.50	
		For Hot-Dipped Galvanized, Add	*65.32*	
		For Stainless Steel, Add	*261.28*	

04 05 19 13-0257 Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

04 05 19 13-0258	CLF	#4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	121.32	
		For Hot-Dipped Galvanized, Add	*41.47*	
		For Stainless Steel, Add	*165.88*	
04 05 19 13-0259	CLF	#6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	127.12	
		For Hot-Dipped Galvanized, Add	*42.89*	
		For Stainless Steel, Add	*171.56*	
04 05 19 13-0260	CLF	#8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	132.90	
		For Hot-Dipped Galvanized, Add	*44.31*	
		For Stainless Steel, Add	*177.22*	
04 05 19 13-0261	CLF	#10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	141.20	
		For Hot-Dipped Galvanized, Add	*46.00*	
		For Stainless Steel, Add	*183.98*	
04 05 19 13-0262	CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	149.50	
		For Hot-Dipped Galvanized, Add	*47.69*	
		For Stainless Steel, Add	*190.74*	
04 05 19 13-0263	CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	156.21	
		For Hot-Dipped Galvanized, Add	*48.58*	
		For Stainless Steel, Add	*194.32*	
04 05 19 13-0264	CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	160.22	
		For Hot-Dipped Galvanized, Add	*49.36*	
		For Stainless Steel, Add	*197.42*	
04 05 19 13-0265	CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	167.74	
		For Hot-Dipped Galvanized, Add	*50.90*	
		For Stainless Steel, Add	*203.60*	
04 05 19 13-0266	CLF	#18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	218.23	
		For Hot-Dipped Galvanized, Add	*74.18*	
		For Stainless Steel, Add	*296.70*	

04 05 19 13-0267 Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

04 05 19 13-0268	CLF	#4 (For 4" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	125.88	
		For Hot-Dipped Galvanized, Add	*43.75*	
		For Stainless Steel, Add	*175.00*	
04 05 19 13-0269	CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	129.73	
		For Hot-Dipped Galvanized, Add	*44.36*	
		For Stainless Steel, Add	*177.44*	
04 05 19 13-0270	CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	134.85	
		For Hot-Dipped Galvanized, Add	*45.06*	
		For Stainless Steel, Add	*180.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0271	CLF	#10 (For 10" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	140.91	
		For Hot-Dipped Galvanized, Add	*45.85*	
		For Stainless Steel, Add	*183.40*	
04 05 19 13-0272	CLF	#12 (For 12" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	147.93	
		For Hot-Dipped Galvanized, Add	*46.63*	
		For Stainless Steel, Add	*186.50*	
04 05 19 13-0273	CLF	#13 (For 13" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	153.05	
		For Hot-Dipped Galvanized, Add	*47.00*	
		For Stainless Steel, Add	*188.00*	
04 05 19 13-0274	CLF	#14 (For 14" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	156.85	
		For Hot-Dipped Galvanized, Add	*47.43*	
		For Stainless Steel, Add	*189.72*	
04 05 19 13-0275	CLF	#16 (For 16" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	172.80	
		For Hot-Dipped Galvanized, Add	*53.43*	
		For Stainless Steel, Add	*213.72*	
04 05 19 13-0276	CLF	#18 (For 18" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	200.76	
		For Hot-Dipped Galvanized, Add	*65.45*	
		For Stainless Steel, Add	*261.78*	

04 05 19 13-0277 Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

04 05 19 13-0278	CLF	#4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	139.53	
		For Hot-Dipped Galvanized, Add	*50.58*	
		For Stainless Steel, Add	*202.30*	
04 05 19 13-0279	CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	143.56	
		For Hot-Dipped Galvanized, Add	*51.28*	
		For Stainless Steel, Add	*205.10*	
04 05 19 13-0280	CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	148.83	
		For Hot-Dipped Galvanized, Add	*52.05*	
		For Stainless Steel, Add	*208.20*	
04 05 19 13-0281	CLF	#10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	154.74	
		For Hot-Dipped Galvanized, Add	*52.77*	
		For Stainless Steel, Add	*211.06*	
04 05 19 13-0282	CLF	#12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	161.72	
		For Hot-Dipped Galvanized, Add	*53.52*	
		For Stainless Steel, Add	*214.08*	
04 05 19 13-0283	CLF	#13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	166.90	
		For Hot-Dipped Galvanized, Add	*53.94*	
		For Stainless Steel, Add	*215.74*	
04 05 19 13-0284	CLF	#14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	170.62	
		For Hot-Dipped Galvanized, Add	*54.31*	
		For Stainless Steel, Add	*217.24*	
04 05 19 13-0285	CLF	#16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	190.97	
		For Hot-Dipped Galvanized, Add	*62.52*	
		For Stainless Steel, Add	*250.08*	
04 05 19 13-0286	CLF	#18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	231.93	
		For Hot-Dipped Galvanized, Add	*81.04*	
		For Stainless Steel, Add	*324.14*	

04 05 19 13-0287 Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

04 05 19 13-0288	CLF	#4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	152.75	
		For Hot-Dipped Galvanized, Add	*57.19*	
		For Stainless Steel, Add	*228.74*	
04 05 19 13-0289	CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	158.55	
		For Hot-Dipped Galvanized, Add	*58.61*	
		For Stainless Steel, Add	*234.42*	
04 05 19 13-0290	CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	164.33	
		For Hot-Dipped Galvanized, Add	*60.02*	
		For Stainless Steel, Add	*240.08*	
04 05 19 13-0291	CLF	#10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	172.63	
		For Hot-Dipped Galvanized, Add	*61.71*	
		For Stainless Steel, Add	*246.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0292	CLF	#12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	180.93	
		For Hot-Dipped Galvanized, Add	*63.40*	
		For Stainless Steel, Add	*253.60*	
04 05 19 13-0293	CLF	#13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	187.64	
		For Hot-Dipped Galvanized, Add	*64.30*	
		For Stainless Steel, Add	*257.18*	
04 05 19 13-0294	CLF	#14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	191.65	
		For Hot-Dipped Galvanized, Add	*65.07*	
		For Stainless Steel, Add	*260.28*	
04 05 19 13-0295	CLF	#16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	199.17	
		For Hot-Dipped Galvanized, Add	*66.62*	
		For Stainless Steel, Add	*266.46*	
04 05 19 13-0296	CLF	#18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	249.66	
		For Hot-Dipped Galvanized, Add	*89.89*	
		For Stainless Steel, Add	*359.56*	

04 05 19 13-0297 Truss-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0203)*

04 05 19 13-0298 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0297)*

04 05 19 13-0299	CLF	#8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	104.56	
		For Hot-Dipped Galvanized, Add	*27.37*	
		For Stainless Steel, Add	*109.46*	
04 05 19 13-0300	CLF	#10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	112.73	
		For Hot-Dipped Galvanized, Add	*28.69*	
		For Stainless Steel, Add	*114.74*	
04 05 19 13-0301	CLF	#12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	121.62	
		For Hot-Dipped Galvanized, Add	*30.36*	
		For Stainless Steel, Add	*121.44*	
04 05 19 13-0302	CLF	#13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	129.45	
		For Hot-Dipped Galvanized, Add	*31.51*	
		For Stainless Steel, Add	*126.04*	
04 05 19 13-0303	CLF	#14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	134.15	
		For Hot-Dipped Galvanized, Add	*32.48*	
		For Stainless Steel, Add	*129.90*	
04 05 19 13-0304	CLF	#16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	143.77	
		For Hot-Dipped Galvanized, Add	*34.80*	
		For Stainless Steel, Add	*139.18*	
04 05 19 13-0305	CLF	#18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	152.84	
		For Hot-Dipped Galvanized, Add	*37.12*	
		For Stainless Steel, Add	*148.46*	

04 05 19 13-0306 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0297)*

04 05 19 13-0307	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	121.60	
		For Hot-Dipped Galvanized, Add	*35.89*	
		For Stainless Steel, Add	*143.54*	
04 05 19 13-0308	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	129.81	
		For Hot-Dipped Galvanized, Add	*37.23*	
		For Stainless Steel, Add	*148.90*	
04 05 19 13-0309	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	138.63	
		For Hot-Dipped Galvanized, Add	*38.87*	
		For Stainless Steel, Add	*155.46*	
04 05 19 13-0310	CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	146.50	
		For Hot-Dipped Galvanized, Add	*40.04*	
		For Stainless Steel, Add	*160.14*	
04 05 19 13-0311	CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	151.08	
		For Hot-Dipped Galvanized, Add	*40.94*	
		For Stainless Steel, Add	*163.76*	
04 05 19 13-0312	CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	160.74	
		For Hot-Dipped Galvanized, Add	*43.28*	
		For Stainless Steel, Add	*173.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0313	CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	169.88	
		For Hot-Dipped Galvanized, Add	*45.64*	
		For Stainless Steel, Add	*182.54*	

04 05 19 13-0314 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0297)*

04 05 19 13-0315	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	137.41	
		For Hot-Dipped Galvanized, Add	*43.79*	
		For Stainless Steel, Add	*175.16*	
04 05 19 13-0316	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	147.09	
		For Hot-Dipped Galvanized, Add	*45.87*	
		For Stainless Steel, Add	*183.46*	
04 05 19 13-0317	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	158.32	
		For Hot-Dipped Galvanized, Add	*48.71*	
		For Stainless Steel, Add	*194.84*	
04 05 19 13-0318	CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	166.94	
		For Hot-Dipped Galvanized, Add	*50.26*	
		For Stainless Steel, Add	*201.02*	
04 05 19 13-0319	CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	172.81	
		For Hot-Dipped Galvanized, Add	*51.81*	
		For Stainless Steel, Add	*207.22*	
04 05 19 13-0320	CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	184.76	
		For Hot-Dipped Galvanized, Add	*55.29*	
		For Stainless Steel, Add	*221.16*	
04 05 19 13-0321	CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	194.96	
		For Hot-Dipped Galvanized, Add	*58.18*	
		For Stainless Steel, Add	*232.70*	

04 05 19 13-0322 Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0203)*

04 05 19 13-0323 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0322)*

04 05 19 13-0324	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	157.70	
		For Hot-Dipped Galvanized, Add	*53.94*	
		For Stainless Steel, Add	*215.74*	
04 05 19 13-0325	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	163.98	
		For Hot-Dipped Galvanized, Add	*54.31*	
		For Stainless Steel, Add	*217.24*	
04 05 19 13-0326	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	172.16	
		For Hot-Dipped Galvanized, Add	*55.63*	
		For Stainless Steel, Add	*222.52*	
04 05 19 13-0327	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	183.97	
		For Hot-Dipped Galvanized, Add	*57.39*	
		For Stainless Steel, Add	*229.54*	
04 05 19 13-0328	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	193.10	
		For Hot-Dipped Galvanized, Add	*59.46*	
		For Stainless Steel, Add	*237.84*	
04 05 19 13-0329	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	202.58	
		For Hot-Dipped Galvanized, Add	*61.99*	
		For Stainless Steel, Add	*247.94*	

04 05 19 13-0330 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0322)*

04 05 19 13-0331	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	184.06	
		For Hot-Dipped Galvanized, Add	*67.12*	
		For Stainless Steel, Add	*268.46*	
04 05 19 13-0332	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	190.72	
		For Hot-Dipped Galvanized, Add	*67.68*	
		For Stainless Steel, Add	*270.72*	
04 05 19 13-0333	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	198.90	
		For Hot-Dipped Galvanized, Add	*69.00*	
		For Stainless Steel, Add	*276.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0334	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	210.64	
		For Hot-Dipped Galvanized, Add	*70.72*	
		For Stainless Steel, Add	*282.88*	
04 05 19 13-0335	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	219.42	
		For Hot-Dipped Galvanized, Add	*72.62*	
		For Stainless Steel, Add	*290.48*	
04 05 19 13-0336	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	227.70	
		For Hot-Dipped Galvanized, Add	*74.55*	
		For Stainless Steel, Add	*298.18*	

04 05 19 13-0337 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0322)*

04 05 19 13-0338	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	198.51	
		For Hot-Dipped Galvanized, Add	*74.34*	
		For Stainless Steel, Add	*297.36*	
04 05 19 13-0339	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	205.17	
		For Hot-Dipped Galvanized, Add	*74.91*	
		For Stainless Steel, Add	*299.62*	
04 05 19 13-0340	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	214.86	
		For Hot-Dipped Galvanized, Add	*76.98*	
		For Stainless Steel, Add	*307.92*	
04 05 19 13-0341	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	228.59	
		For Hot-Dipped Galvanized, Add	*79.70*	
		For Stainless Steel, Add	*318.78*	
04 05 19 13-0342	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	240.43	
		For Hot-Dipped Galvanized, Add	*83.13*	
		For Stainless Steel, Add	*332.50*	
04 05 19 13-0343	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	252.48	
		For Hot-Dipped Galvanized, Add	*86.94*	
		For Stainless Steel, Add	*347.74*	

04 05 19 13-0344 Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0203)*

04 05 19 13-0345 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0344)*

04 05 19 13-0346	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	168.24	
		For Hot-Dipped Galvanized, Add	*56.44*	
		For Stainless Steel, Add	*225.76*	
04 05 19 13-0347	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	174.58	
		For Hot-Dipped Galvanized, Add	*56.84*	
		For Stainless Steel, Add	*227.36*	
04 05 19 13-0348	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	185.44	
		For Hot-Dipped Galvanized, Add	*58.12*	
		For Stainless Steel, Add	*232.48*	
04 05 19 13-0349	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	193.89	
		For Hot-Dipped Galvanized, Add	*59.86*	
		For Stainless Steel, Add	*239.42*	
04 05 19 13-0350	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	202.54	
		For Hot-Dipped Galvanized, Add	*61.97*	
		For Stainless Steel, Add	*247.86*	
04 05 19 13-0351	CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	209.92	
		For Hot-Dipped Galvanized, Add	*64.12*	
		For Stainless Steel, Add	*256.46*	

04 05 19 13-0352 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0344)*

04 05 19 13-0353	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	194.53	
		For Hot-Dipped Galvanized, Add	*69.59*	
		For Stainless Steel, Add	*278.34*	
04 05 19 13-0354	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	201.20	
		For Hot-Dipped Galvanized, Add	*70.15*	
		For Stainless Steel, Add	*280.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0355	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	212.14	
		For Hot-Dipped Galvanized, Add	*71.47*	
		For Stainless Steel, Add	*285.88*	
04 05 19 13-0356	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	220.59	
		For Hot-Dipped Galvanized, Add	*73.21*	
		For Stainless Steel, Add	*292.82*	
04 05 19 13-0357	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	228.83	
		For Hot-Dipped Galvanized, Add	*75.11*	
		For Stainless Steel, Add	*300.44*	
04 05 19 13-0358	CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	236.44	
		For Hot-Dipped Galvanized, Add	*77.38*	
		For Stainless Steel, Add	*309.50*	

04 05 19 13-0359 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0344)*

04 05 19 13-0360	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	209.02	
		For Hot-Dipped Galvanized, Add	*76.83*	
		For Stainless Steel, Add	*307.32*	
04 05 19 13-0361	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	215.65	
		For Hot-Dipped Galvanized, Add	*77.38*	
		For Stainless Steel, Add	*309.50*	
04 05 19 13-0362	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	228.17	
		For Hot-Dipped Galvanized, Add	*79.49*	
		For Stainless Steel, Add	*317.94*	
04 05 19 13-0363	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	238.55	
		For Hot-Dipped Galvanized, Add	*82.19*	
		For Stainless Steel, Add	*328.74*	
04 05 19 13-0364	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	249.80	
		For Hot-Dipped Galvanized, Add	*85.60*	
		For Stainless Steel, Add	*342.38*	
04 05 19 13-0365	CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	258.09	
		For Hot-Dipped Galvanized, Add	*88.20*	
		For Stainless Steel, Add	*352.80*	

04 05 19 13-0366 Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0203)*

04 05 19 13-0367 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0366)*

04 05 19 13-0368	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	158.10	
		For Hot-Dipped Galvanized, Add	*51.37*	
		For Stainless Steel, Add	*205.48*	
		For Seismic Hook And Eye, Add	*22.09*	
04 05 19 13-0369	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	164.36	
		For Hot-Dipped Galvanized, Add	*51.73*	
		For Stainless Steel, Add	*206.92*	
		For Seismic Hook And Eye, Add	*22.24*	
04 05 19 13-0370	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	174.88	
		For Hot-Dipped Galvanized, Add	*52.84*	
		For Stainless Steel, Add	*211.36*	
		For Seismic Hook And Eye, Add	*22.72*	
04 05 19 13-0371	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	183.07	
		For Hot-Dipped Galvanized, Add	*54.45*	
		For Stainless Steel, Add	*217.78*	
		For Seismic Hook And Eye, Add	*23.41*	
04 05 19 13-0372	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	190.82	
		For Hot-Dipped Galvanized, Add	*56.11*	
		For Stainless Steel, Add	*224.42*	
		For Seismic Hook And Eye, Add	*24.13*	
04 05 19 13-0373	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	197.97	
		For Hot-Dipped Galvanized, Add	*58.14*	
		For Stainless Steel, Add	*232.56*	
		For Seismic Hook And Eye, Add	*25.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0374		3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0366)*		
04 05 19 13-0375	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	182.31	
		For Hot-Dipped Galvanized, Add	*63.48*	
		For Stainless Steel, Add	*253.90*	
		For Seismic Hook And Eye, Add	*27.29*	
04 05 19 13-0376	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	188.83	
		For Hot-Dipped Galvanized, Add	*63.97*	
		For Stainless Steel, Add	*255.86*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0377	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	199.17	
		For Hot-Dipped Galvanized, Add	*64.99*	
		For Stainless Steel, Add	*259.94*	
		For Seismic Hook And Eye, Add	*27.94*	
04 05 19 13-0378	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	207.20	
		For Hot-Dipped Galvanized, Add	*66.51*	
		For Stainless Steel, Add	*266.04*	
		For Seismic Hook And Eye, Add	*28.60*	
04 05 19 13-0379	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	214.92	
		For Hot-Dipped Galvanized, Add	*68.16*	
		For Stainless Steel, Add	*272.62*	
		For Seismic Hook And Eye, Add	*29.31*	
04 05 19 13-0380	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	221.62	
		For Hot-Dipped Galvanized, Add	*69.97*	
		For Stainless Steel, Add	*279.86*	
		For Seismic Hook And Eye, Add	*30.08*	
04 05 19 13-0381		3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0366)*		
04 05 19 13-0382	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	196.95	
		For Hot-Dipped Galvanized, Add	*70.80*	
		For Stainless Steel, Add	*283.18*	
		For Seismic Hook And Eye, Add	*30.44*	
04 05 19 13-0383	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	203.58	
		For Hot-Dipped Galvanized, Add	*71.34*	
		For Stainless Steel, Add	*285.36*	
		For Seismic Hook And Eye, Add	*30.68*	
04 05 19 13-0384	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	215.84	
		For Hot-Dipped Galvanized, Add	*73.32*	
		For Stainless Steel, Add	*293.28*	
		For Seismic Hook And Eye, Add	*31.53*	
04 05 19 13-0385	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	225.99	
		For Hot-Dipped Galvanized, Add	*75.91*	
		For Stainless Steel, Add	*303.62*	
		For Seismic Hook And Eye, Add	*32.64*	
04 05 19 13-0386	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	236.94	
		For Hot-Dipped Galvanized, Add	*79.17*	
		For Stainless Steel, Add	*316.66*	
		For Seismic Hook And Eye, Add	*34.04*	
04 05 19 13-0387	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	247.26	
		For Hot-Dipped Galvanized, Add	*82.79*	
		For Stainless Steel, Add	*331.14*	
		For Seismic Hook And Eye, Add	*35.60*	
04 05 19 13-0388		Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0203)*		
04 05 19 13-0389		9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall *(04 05 19 13-0388)*		
04 05 19 13-0390	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	168.47	
		For Hot-Dipped Galvanized, Add	*53.79*	
		For Stainless Steel, Add	*215.14*	
		For Seismic Hook And Eye, Add	*23.13*	
04 05 19 13-0391	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	177.52	
		For Hot-Dipped Galvanized, Add	*54.16*	
		For Stainless Steel, Add	*216.64*	
		For Seismic Hook And Eye, Add	*23.29*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0392	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	184.88	
		For Hot-Dipped Galvanized, Add	*55.35*	
		For Stainless Steel, Add	*221.40*	
		For Seismic Hook And Eye, Add	*23.80*	
04 05 19 13-0393	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	192.70	
		For Hot-Dipped Galvanized, Add	*57.05*	
		For Stainless Steel, Add	*228.18*	
		For Seismic Hook And Eye, Add	*24.53*	
04 05 19 13-0394	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	199.70	
		For Hot-Dipped Galvanized, Add	*59.01*	
		For Stainless Steel, Add	*236.02*	
		For Seismic Hook And Eye, Add	*25.37*	

04 05 19 13-0395 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0388)*

04 05 19 13-0396	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	194.57	
		For Hot-Dipped Galvanized, Add	*66.84*	
		For Stainless Steel, Add	*267.34*	
		For Seismic Hook And Eye, Add	*28.74*	
04 05 19 13-0397	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	203.70	
		For Hot-Dipped Galvanized, Add	*67.25*	
		For Stainless Steel, Add	*269.00*	
		For Seismic Hook And Eye, Add	*28.92*	
04 05 19 13-0398	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	210.98	
		For Hot-Dipped Galvanized, Add	*68.40*	
		For Stainless Steel, Add	*273.60*	
		For Seismic Hook And Eye, Add	*29.41*	
04 05 19 13-0399	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	218.50	
		For Hot-Dipped Galvanized, Add	*69.95*	
		For Stainless Steel, Add	*279.78*	
		For Seismic Hook And Eye, Add	*30.08*	
04 05 19 13-0400	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	224.75	
		For Hot-Dipped Galvanized, Add	*71.53*	
		For Stainless Steel, Add	*286.12*	
		For Seismic Hook And Eye, Add	*30.76*	

04 05 19 13-0401 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0388)*

04 05 19 13-0402	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	207.24	
		For Hot-Dipped Galvanized, Add	*73.17*	
		For Stainless Steel, Add	*292.68*	
		For Seismic Hook And Eye, Add	*31.46*	
04 05 19 13-0403	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	216.59	
		For Hot-Dipped Galvanized, Add	*73.70*	
		For Stainless Steel, Add	*294.78*	
		For Seismic Hook And Eye, Add	*31.69*	
04 05 19 13-0404	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	225.57	
		For Hot-Dipped Galvanized, Add	*75.70*	
		For Stainless Steel, Add	*302.78*	
		For Seismic Hook And Eye, Add	*32.55*	
04 05 19 13-0405	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	235.13	
		For Hot-Dipped Galvanized, Add	*78.26*	
		For Stainless Steel, Add	*313.04*	
		For Seismic Hook And Eye, Add	*33.65*	
04 05 19 13-0406	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	244.74	
		For Hot-Dipped Galvanized, Add	*81.53*	
		For Stainless Steel, Add	*326.10*	
		For Seismic Hook And Eye, Add	*35.06*	

04 05 19 16 Masonry Anchors *(04 05 19)*

04 05 19 16-0001 Rectangular, Wire Masonry Wall Ties *(04 05 19 16)*

04 05 19 16-0002 Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Ties *(04 05 19 16-0001)*

04 05 19 16-0003	EA	2" Width x 4" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.42	
04 05 19 16-0004	EA	2" Width x 6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.53	
04 05 19 16-0005	EA	2" Width x 8" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.64	
04 05 19 16-0006	EA	2" Width x 10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.77	
04 05 19 16-0007	EA	2" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.90	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0008	EA	4" Width x 6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.64	
04 05 19 16-0009	EA	4" Width x 8" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.77	
04 05 19 16-0010	EA	4" Width x 10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.90	
04 05 19 16-0011	EA	4" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	2.03	
04 05 19 16-0012		Mill Galvanized, Rectangular, Wire Masonry Wall Ties *(04 05 19 16-0001)*		
04 05 19 16-0013	EA	2" Width x 4" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.23	
04 05 19 16-0014	EA	2" Width x 6" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.27	
04 05 19 16-0015	EA	2" Width x 8" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.32	
04 05 19 16-0016	EA	2" Width x 10" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.39	
04 05 19 16-0017	EA	2" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.46	
04 05 19 16-0018	EA	4" Width x 6" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.32	
04 05 19 16-0019	EA	4" Width x 8" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.39	
04 05 19 16-0020	EA	4" Width x 10" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.46	
04 05 19 16-0021	EA	4" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.54	
04 05 19 16-0022		Z-Type, Wire Masonry Wall Ties *(04 05 19 16)*		
04 05 19 16-0023		Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Ties *(04 05 19 16-0022)*		
04 05 19 16-0024	EA	6" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.23	
04 05 19 16-0025	EA	8" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.30	
04 05 19 16-0026	EA	10" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.49	
04 05 19 16-0027	EA	12" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.58	
04 05 19 16-0028	EA	6" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.60	
04 05 19 16-0029	EA	8" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.72	
04 05 19 16-0030	EA	10" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.87	
04 05 19 16-0031	EA	12" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.96	
04 05 19 16-0032		Mill Galvanized, Z-Type, Wire Masonry Wall Ties *(04 05 19 16-0022)*		
04 05 19 16-0033	EA	6" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.09	
04 05 19 16-0034	EA	8" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.11	
04 05 19 16-0035	EA	10" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.26	
04 05 19 16-0036	EA	12" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.30	
04 05 19 16-0037	EA	6" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.31	
04 05 19 16-0038	EA	8" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.39	
04 05 19 16-0039	EA	10" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.46	
04 05 19 16-0040	EA	12" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.56	
04 05 19 16-0041		Wire Beam Ties *(04 05 19 16)*		
04 05 19 16-0042		Hot-Dipped Galvanized, Wire Beam Ties *(04 05 19 16-0041)*		
04 05 19 16-0043	EA	2" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	1.76	
04 05 19 16-0044	EA	4" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	1.81	
04 05 19 16-0045	EA	6" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	1.85	
04 05 19 16-0046	EA	8" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	1.90	
04 05 19 16-0047	EA	10" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	1.99	
04 05 19 16-0048		Mill Galvanized, Wire Beam Ties *(04 05 19 16-0041)*		
04 05 19 16-0049	EA	2" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	2.15	
04 05 19 16-0050	EA	4" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	2.26	
04 05 19 16-0051	EA	6" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	2.38	
04 05 19 16-0052	EA	8" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	2.43	
04 05 19 16-0053	EA	10" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	2.52	
04 05 19 16-0054		Adjustable Double Pintle, Wire Masonry Wall Ties *(04 05 19 16)*		
04 05 19 16-0055		Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Ties *(04 05 19 16-0054)*		
04 05 19 16-0056	EA	6" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.99	
04 05 19 16-0057	EA	7" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	2.09	
04 05 19 16-0058	EA	8" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	2.12	
04 05 19 16-0059	EA	9" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	2.21	
04 05 19 16-0060	EA	10" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	2.24	
04 05 19 16-0061		Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Ties *(04 05 19 16-0054)*		
04 05 19 16-0062	EA	6" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.64	
04 05 19 16-0063	EA	7" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.70	
04 05 19 16-0064	EA	8" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.73	
04 05 19 16-0065	EA	9" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.78	
04 05 19 16-0066	EA	10" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.80	
04 05 19 16-0067		Corrugated Buck (Brick) Anchors *(04 05 19 16)*		

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0068		Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchors *(04 05 19 16-0067)*		
04 05 19 16-0069	EA	3-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.48	
04 05 19 16-0070	EA	4-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.59	
04 05 19 16-0071	EA	5-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.69	
04 05 19 16-0072	EA	6-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.80	
04 05 19 16-0073	EA	7-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.91	
04 05 19 16-0074	EA	3-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.57	
04 05 19 16-0075	EA	4-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.69	
04 05 19 16-0076	EA	5-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.80	
04 05 19 16-0077	EA	6-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.92	
04 05 19 16-0078	EA	7-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	3.04	
04 05 19 16-0079		Mill Galvanized, Corrugated Buck (Brick) Anchors *(04 05 19 16-0067)*		
04 05 19 16-0080	EA	3-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.10	
04 05 19 16-0081	EA	4-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.18	
04 05 19 16-0082	EA	5-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.25	
04 05 19 16-0083	EA	6-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.33	
04 05 19 16-0084	EA	7-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.41	
04 05 19 16-0085	EA	3-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.17	
04 05 19 16-0086	EA	4-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.25	
04 05 19 16-0087	EA	5-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.34	
04 05 19 16-0088	EA	6-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.42	
04 05 19 16-0089	EA	7-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.51	
04 05 19 16-0090		Corrugated Wall Ties *(04 05 19 16)*		
04 05 19 16-0091		Hot-Dipped Galvanized, Corrugated Wall Ties *(04 05 19 16-0090)*		
04 05 19 16-0092	EA	7/8" Width, 7" Length, 28 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	1.08	
04 05 19 16-0093	EA	7/8" Width, 7" Length, 26 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	1.17	
04 05 19 16-0094	EA	7/8" Width, 7" Length, 24 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	1.21	
04 05 19 16-0095	EA	7/8" Width, 7" Length, 22 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	1.24	
04 05 19 16-0096	EA	7/8" Width, 7" Length, 16 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	1.54	
04 05 19 16-0097		Mill Galvanized, Corrugated Wall Ties *(04 05 19 16-0090)*		
04 05 19 16-0098	EA	7/8" Width, 7" Length, 26 Gauge, Mill Galvanized, Corrugated Wall Tie	1.12	
04 05 19 16-0099	EA	7/8" Width, 7" Length, 24 Gauge, Mill Galvanized, Corrugated Wall Tie	1.14	
04 05 19 16-0100	EA	7/8" Width, 7" Length, 22 Gauge, Mill Galvanized, Corrugated Wall Tie	1.17	
04 05 19 16-0101	EA	7/8" Width, 7" Length, 16 Gauge, Mill Galvanized, Corrugated Wall Tie	1.40	
04 05 19 16-0102		Stainless Steel, Corrugated Wall Ties *(04 05 19 16-0090)*		
04 05 19 16-0103	EA	7/8" Width, 7" Length, 28 Gauge, Stainless Steel, Corrugated Wall Tie	1.39	
04 05 19 16-0104	EA	7/8" Width, 7" Length, 26 Gauge, Stainless Steel, Corrugated Wall Tie	1.45	
04 05 19 16-0105	EA	7/8" Width, 7" Length, 24 Gauge, Stainless Steel, Corrugated Wall Tie	1.52	
04 05 19 16-0106	EA	7/8" Width, 7" Length, 22 Gauge, Stainless Steel, Corrugated Wall Tie	1.58	
04 05 19 16-0107	EA	7/8" Width, 7" Length, 16 Gauge, Stainless Steel, Corrugated Wall Tie	1.91	
04 05 19 16-0108		Wire Mesh Wall Ties *(04 05 19 16)*		
		Note: 1/2" square mesh.		
04 05 19 16-0109	EA	3" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	2.36	
04 05 19 16-0110	EA	3" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	2.94	
04 05 19 16-0111	EA	6" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	3.53	
04 05 19 16-0112	EA	6" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	4.63	
04 05 19 16-0113	EA	10" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	4.25	
04 05 19 16-0114	EA	10" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	5.39	
04 05 19 16-0115		Triangle Brick Ties *(04 05 19 16)*		
04 05 19 16-0116		Hot-Dipped Galvanized, Triangle Brick Ties *(04 05 19 16-0115)*		
04 05 19 16-0117	EA	3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.07	
04 05 19 16-0118	EA	3-1/2" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.12	
04 05 19 16-0119	EA	4" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.17	
04 05 19 16-0120	EA	4-1/2" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.25	
04 05 19 16-0121	EA	5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.30	
04 05 19 16-0122	EA	6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.44	
04 05 19 16-0123	EA	7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.54	
04 05 19 16-0124	EA	9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.77	
04 05 19 16-0125	EA	3" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.56	
04 05 19 16-0126	EA	3-1/2" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.59	
04 05 19 16-0127	EA	4" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.63	
04 05 19 16-0128	EA	4-1/2" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.70	
04 05 19 16-0129	EA	5" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.74	
04 05 19 16-0130	EA	6" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.87	
04 05 19 16-0131	EA	7" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.95	
04 05 19 16-0132	EA	9" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	3.19	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0133		**Mill Galvanized, Triangle Brick Ties** *(04 05 19 16-0115)*		
04 05 19 16-0134	EA	3" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.84	
04 05 19 16-0135	EA	3-1/2" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.85	
04 05 19 16-0136	EA	4" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.87	
04 05 19 16-0137	EA	4-1/2" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.93	
04 05 19 16-0138	EA	5" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.94	
04 05 19 16-0139	EA	6" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	2.03	
04 05 19 16-0140	EA	7" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	2.06	
04 05 19 16-0141	EA	9" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	2.14	
04 05 19 16-0142	EA	3" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	2.12	
04 05 19 16-0143	EA	3-1/2" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	2.15	
04 05 19 16-0144	EA	4" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	2.18	
04 05 19 16-0145	EA	4-1/2" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	2.25	
04 05 19 16-0146	EA	5" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	2.27	
04 05 19 16-0147	EA	6" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	2.37	
04 05 19 16-0148	EA	7" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	2.42	
04 05 19 16-0149	EA	9" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	2.56	
04 05 19 16-0150		**Seismic Veneer Anchors** *(04 05 19 16)*		
04 05 19 16-0151	EA	3-1/2" Length, 1-1/4" Width, Stainless Steel, Seismic Notch Veneer Anchor Note: For horizontal wire attachment. Excludes wire.	6.14	
04 05 19 16-0152		**Slip-Set, Joint Stabilization Anchors** *(04 05 19 16)* Note: For restraining lateral movement at control joints. Field bendable.		
04 05 19 16-0153	EA	9-5/8" Length, 1-5/8" Width, Mill Galvanized, Slip-Set, Joint Stabilization Anchor	7.99	
04 05 19 16-0154	EA	9-5/8" Length, 1-5/8" Width, Hot-Dipped Galvanized, Slip-Set, Joint Stabilization Anchor	8.69	
04 05 19 16-0155	EA	9-5/8" Length, 1-5/8" Width, Stainless Steel, Slip-Set, Joint Stabilization Anchor	6.14	
04 05 19 16-0156		**Strap Partition Top Anchors** *(04 05 19 16)*		
04 05 19 16-0157	EA	12 Gauge Strap, 3/8" Rod, Hot-Dipped Galvanized, Partition Top Anchor	4.46	
04 05 19 16-0158	EA	12 Gauge Strap, 3/8" Rod, Stainless Steel, Partition Top Anchor	6.46	
04 05 19 16-0159		**Rigid Partition Anchors** *(04 05 19 16)*		
04 05 19 16-0160		**Hot-Dipped Galvanized, Rigid Partition Anchors** *(04 05 19 16-0159)*		
04 05 19 16-0161	EA	1" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	3.12	
04 05 19 16-0162	EA	1-1/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	3.42	
04 05 19 16-0163	EA	1-1/2" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	3.79	
04 05 19 16-0164	EA	1-3/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	4.13	
04 05 19 16-0165	EA	2" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	4.46	
04 05 19 16-0166	EA	2-1/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	4.80	
04 05 19 16-0167	EA	1" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	4.47	
04 05 19 16-0168	EA	1-1/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	5.54	
04 05 19 16-0169	EA	1-1/2" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	6.62	
04 05 19 16-0170	EA	1-3/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	7.70	
04 05 19 16-0171	EA	2" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	8.77	
04 05 19 16-0172	EA	2-1/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	9.85	
04 05 19 16-0173		**Mill Galvanized, Rigid Partition Anchors** *(04 05 19 16-0159)*		
04 05 19 16-0174	EA	1" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	2.82	
04 05 19 16-0175	EA	1-1/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	3.08	
04 05 19 16-0176	EA	1-1/2" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	3.35	
04 05 19 16-0177	EA	1-3/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	3.61	
04 05 19 16-0178	EA	2" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	3.87	
04 05 19 16-0179	EA	2-1/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	4.13	
04 05 19 16-0180		**Screw-On Masonry Veneer Anchor Plates** *(04 05 19 16)*		
04 05 19 16-0181	EA	12 Gauge, Hot-Dipped Galvanized, Screw-On Masonry Veneer Anchor Plate	1.99	
04 05 19 16-0182	EA	14 Gauge, Hot-Dipped Galvanized, Screw-On Masonry Veneer Anchor Plate	2.11	
04 05 19 16-0183		**Wire Column Ties** *(04 05 19 16)*		
04 05 19 16-0184		**Hot-Dipped Galvanized, Wire Column Ties** *(04 05 19 16-0183)*		
04 05 19 16-0185	EA	3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.46	
04 05 19 16-0186	EA	5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.64	
04 05 19 16-0187	EA	7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.77	
04 05 19 16-0188	EA	9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.95	
04 05 19 16-0189	EA	10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.61	
04 05 19 16-0190	EA	12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.77	
04 05 19 16-0191	EA	14" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.88	
04 05 19 16-0192	EA	16" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.00	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0193	EA	3" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.40	
04 05 19 16-0194	EA	5" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.71	
04 05 19 16-0195	EA	7" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.92	
04 05 19 16-0196	EA	9" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	4.21	
04 05 19 16-0197	EA	10" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.71	
04 05 19 16-0198	EA	12" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.92	
04 05 19 16-0199	EA	14" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	4.10	
04 05 19 16-0200	EA	16" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	4.30	
04 05 19 16-0201		Mill Galvanized, Wire Column Ties *(04 05 19 16-0183)*		
04 05 19 16-0202	EA	3" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.14	
04 05 19 16-0203	EA	5" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.25	
04 05 19 16-0204	EA	7" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.32	
04 05 19 16-0205	EA	9" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.43	
04 05 19 16-0206	EA	10" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.19	
04 05 19 16-0207	EA	12" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.30	
04 05 19 16-0208	EA	14" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.37	
04 05 19 16-0209	EA	16" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.46	
04 05 19 16-0210	EA	3" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	2.84	
04 05 19 16-0211	EA	5" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	3.04	
04 05 19 16-0212	EA	7" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	3.13	
04 05 19 16-0213	EA	9" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	3.33	
04 05 19 16-0214	EA	10" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	2.75	
04 05 19 16-0215	EA	12" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	3.09	
04 05 19 16-0216	EA	14" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	3.22	
04 05 19 16-0217	EA	16" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	3.33	
04 05 19 16-0218		Dovetail Anchors, Slots And Ties *(04 05 19 16)*		
04 05 19 16-0219		Dovetail Anchor Slots *(04 05 19 16-0218)*		
04 05 19 16-0220		Hot-Dipped Galvanized, Dovetail Anchor Slot *(04 05 19 16-0219)*		
04 05 19 16-0221	LF	24 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot	4.52	
04 05 19 16-0222	LF	22 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot	5.05	
04 05 19 16-0223	LF	20 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot	5.36	
04 05 19 16-0224	LF	18 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot	5.51	
04 05 19 16-0225	LF	16 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot	5.87	
04 05 19 16-0226		Mill Galvanized, Dovetail Anchor Slot *(04 05 19 16-0219)*		
04 05 19 16-0227	LF	24 Gauge, Mill Galvanized, Dovetail Anchor Slot	3.47	
04 05 19 16-0228	LF	22 Gauge, Mill Galvanized, Dovetail Anchor Slot	4.14	
04 05 19 16-0229	LF	20 Gauge, Mill Galvanized, Dovetail Anchor Slot	4.29	
04 05 19 16-0230	LF	18 Gauge, Mill Galvanized, Dovetail Anchor Slot	4.52	
04 05 19 16-0231	LF	16 Gauge, Mill Galvanized, Dovetail Anchor Slot	4.67	
04 05 19 16-0232		304 Stainless Steel, Dovetail Anchor Slot *(04 05 19 16-0219)*		
04 05 19 16-0233	LF	24 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	4.03	
04 05 19 16-0234	LF	22 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	4.47	
04 05 19 16-0235	LF	20 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	4.62	
04 05 19 16-0236	LF	18 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	5.12	
04 05 19 16-0237	LF	16 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	5.60	
04 05 19 16-0238		316 Stainless Steel, Dovetail Anchor Slot *(04 05 19 16-0219)*		
04 05 19 16-0239	LF	24 Gauge, 316 Stainless Steel, Dovetail Anchor Slot	4.37	
04 05 19 16-0240	LF	22 Gauge, 316 Stainless Steel, Dovetail Anchor Slot	4.71	
04 05 19 16-0241	LF	20 Gauge, 316 Stainless Steel, Dovetail Anchor Slot	5.04	
04 05 19 16-0242	LF	18 Gauge, 316 Stainless Steel, Dovetail Anchor Slot	5.47	
04 05 19 16-0243	LF	16 Gauge, 316 Stainless Steel, Dovetail Anchor Slot	5.72	
04 05 19 16-0244		Dovetail Corrugated Brick Ties *(04 05 19 16-0218)*		
04 05 19 16-0245		Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie *(04 05 19 16-0244)*		
04 05 19 16-0246	EA	3-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.46	
04 05 19 16-0247	EA	5-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.63	
04 05 19 16-0248	EA	7-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.80	
04 05 19 16-0249	EA	3-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.50	
04 05 19 16-0250	EA	5-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.82	
04 05 19 16-0251	EA	7-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	2.06	
04 05 19 16-0252	EA	3-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.59	
04 05 19 16-0253	EA	5-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.81	
04 05 19 16-0254	EA	7-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	2.03	
04 05 19 16-0255		Mill Galvanized, Dovetail Corrugated Brick Tie *(04 05 19 16-0244)*		
04 05 19 16-0256	EA	3-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.31	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0257	EA	5-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.41	
04 05 19 16-0258	EA	7-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.52	
04 05 19 16-0259	EA	3-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.39	
04 05 19 16-0260	EA	5-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.60	
04 05 19 16-0261	EA	7-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.77	
04 05 19 16-0262	EA	3-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.43	
04 05 19 16-0263	EA	5-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.68	
04 05 19 16-0264	EA	7-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.85	
04 05 19 16-0265		**Dovetail Stone Anchors** *(04 05 19 16-0218)*		
04 05 19 16-0266		**Hot-Dipped Galvanized, Dovetail Stone Anchors** *(04 05 19 16-0265)*		
04 05 19 16-0267	EA	3-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor	1.82	
04 05 19 16-0268	EA	5-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor	1.99	
04 05 19 16-0269	EA	7-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor	2.17	
04 05 19 16-0270		**Dovetail Partition Top Anchors** *(04 05 19 16-0218)*		
04 05 19 16-0271	EA	3/8" Rod, Hot-Dipped Galvanized, Dovetail Partition Top Anchor	4.63	
04 05 19 16-0272	EA	3/8" Rod, Stainless Steel, Dovetail Partition Top Anchor	6.96	
04 05 19 16-0273		**Dovetail Flexible Triangle Brick Ties** *(04 05 19 16-0218)*		
04 05 19 16-0274		**Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Ties** *(04 05 19 16-0273)*		
04 05 19 16-0275	EA	3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie	2.77	
04 05 19 16-0276	EA	5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie	3.00	
04 05 19 16-0277	EA	7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie	3.15	
04 05 19 16-0278	EA	9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie	3.31	
04 05 19 16-0279		**Mill Galvanized, Dovetail Flexible Triangle Brick Ties** *(04 05 19 16-0273)*		
04 05 19 16-0280	EA	3" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie	2.45	
04 05 19 16-0281	EA	5" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie	2.47	
04 05 19 16-0282	EA	7" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie	2.57	
04 05 19 16-0283	EA	9" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie	2.82	
04 05 19 26		**Masonry Reinforcing Bars** *(04 05 19)*		
		Note: Includes cutting and bending.		
04 05 19 26-0001		**Plain Steel Masonry Reinforcement Bar** *(04 05 19 26)*		
04 05 19 26-0002	LF	#3, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar	1.12	
04 05 19 26-0003	LF	#4, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar	1.84	
04 05 19 26-0004	LF	#5, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar	2.61	
04 05 19 26-0005	LF	#6, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar	3.44	
04 05 19 26-0006	LF	#3, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar	1.14	
04 05 19 26-0007	LF	#4, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar	1.87	
04 05 19 26-0008	LF	#5, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar	2.66	
04 05 19 26-0009	LF	#6, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar	3.52	
04 05 19 26-0010	LF	#3, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar	1.16	
04 05 19 26-0011	LF	#4, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar	1.92	
04 05 19 26-0012	LF	#5, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar	2.74	
04 05 19 26-0013	LF	#6, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar	3.63	
04 05 19 26-0014	LF	#3, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar	1.30	
04 05 19 26-0015	LF	#4, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar	2.12	
04 05 19 26-0016	LF	#5, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar	3.00	
04 05 19 26-0017	LF	#6, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar	3.92	
04 05 19 26-0018	LF	#3, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar	1.32	
04 05 19 26-0019	LF	#4, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar	2.15	
04 05 19 26-0020	LF	#5, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar	3.05	
04 05 19 26-0021	LF	#6, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar	4.00	
04 05 19 26-0022	LF	#3, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar	1.34	
04 05 19 26-0023	LF	#4, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar	2.20	
04 05 19 26-0024	LF	#5, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar	3.13	
04 05 19 26-0025	LF	#6, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar	4.11	
04 05 19 26-0026		**Galvanized Steel Masonry Reinforcement Bar** *(04 05 19 26)*		
04 05 19 26-0027	LF	#3, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	1.31	
04 05 19 26-0028	LF	#4, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	2.19	
04 05 19 26-0029	LF	#5, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	3.16	
04 05 19 26-0030	LF	#6, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	4.23	
04 05 19 26-0031	LF	#3, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	1.33	
04 05 19 26-0032	LF	#4, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	2.22	
04 05 19 26-0033	LF	#5, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	3.21	
04 05 19 26-0034	LF	#6, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	4.31	
04 05 19 26-0035	LF	#3, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	1.36	
04 05 19 26-0036	LF	#4, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	2.27	
04 05 19 26-0037	LF	#5, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	3.29	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 26-0038	LF	#6, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	4.42	
04 05 19 26-0039	LF	#3, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	1.49	
04 05 19 26-0040	LF	#4, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	2.47	
04 05 19 26-0041	LF	#5, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	3.55	
04 05 19 26-0042	LF	#6, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	4.71	
04 05 19 26-0043	LF	#3, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	1.51	
04 05 19 26-0044	LF	#4, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	2.50	
04 05 19 26-0045	LF	#5, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	3.60	
04 05 19 26-0046	LF	#6, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	4.79	
04 05 19 26-0047	LF	#3, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	1.54	
04 05 19 26-0048	LF	#4, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	2.55	
04 05 19 26-0049	LF	#5, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	3.68	
04 05 19 26-0050	LF	#6, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	4.90	
04 05 19 26-0051		Epoxy-Coated Masonry Reinforcement Bar *(04 05 19 26)*		
04 05 19 26-0052	LF	#3, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	1.29	
04 05 19 26-0053	LF	#4, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	2.15	
04 05 19 26-0054	LF	#5, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	3.10	
04 05 19 26-0055	LF	#6, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	4.14	
04 05 19 26-0056	LF	#3, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	1.31	
04 05 19 26-0057	LF	#4, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	2.18	
04 05 19 26-0058	LF	#5, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	3.15	
04 05 19 26-0059	LF	#6, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	4.22	
04 05 19 26-0060	LF	#3, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	1.34	
04 05 19 26-0061	LF	#4, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	2.23	
04 05 19 26-0062	LF	#5, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	3.23	
04 05 19 26-0063	LF	#6, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	4.34	
04 05 19 26-0064	LF	#3, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	1.47	
04 05 19 26-0065	LF	#4, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	2.43	
04 05 19 26-0066	LF	#5, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	3.49	
04 05 19 26-0067	LF	#6, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	4.62	
04 05 19 26-0068	LF	#3, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	1.49	
04 05 19 26-0069	LF	#4, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	2.46	
04 05 19 26-0070	LF	#5, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	3.54	
04 05 19 26-0071	LF	#6, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	4.70	
04 05 19 26-0072	LF	#3, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	1.52	
04 05 19 26-0073	LF	#4, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	2.51	
04 05 19 26-0074	LF	#5, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	3.62	
04 05 19 26-0075	LF	#6, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	4.82	

04 05 23 Masonry Accessories *(04 05)*

04 05 23 13 Masonry Control and Expansion Joints *(04 05 23)*

04 05 23 13-0001 Masonry Control Joints *(04 05 23 13)*

04 05 23 13-0002 Rubber, Masonry Control Joints *(04 05 23 13-0001)*

04 05 23 13-0003	LF	1-5/8" Width, T-Style, Rubber, Masonry Control Joint	7.18	0.98
04 05 23 13-0004	LF	2-5/8" Width, Rubber, Masonry Control Joint	6.96	0.98
04 05 23 13-0005	LF	6-7/8" Width, Rubber, Masonry Control Joint	15.17	0.98

04 05 23 13-0006 Polyvinyl Chloride (PVC), Masonry Control Joints *(04 05 23 13-0001)*

04 05 23 13-0007	LF	1-5/8" Width, T-Style, Polyvinyl Chloride (PVC), Masonry Control Joint	4.11	0.98
04 05 23 13-0008	LF	2-5/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint	4.29	0.98
04 05 23 13-0009	LF	4-7/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint	5.43	0.98
04 05 23 13-0010	LF	6-7/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint	5.99	0.98
04 05 23 13-0011	LF	11-1/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint	5.60	0.98

04 05 23 16 Masonry Embedded Flashing *(04 05 23)*

04 05 23 16-0001 Lead Coated Copper Through Wall Flashing *(04 05 23 16)*

04 05 23 16-0002 Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing *(04 05 23 16-0001)*

04 05 23 16-0003	SF	2 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing	9.22	1.91
04 05 23 16-0004	SF	3 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing	10.18	1.91
04 05 23 16-0005	SF	5 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing	12.84	1.91
04 05 23 16-0006	SF	7 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing	15.18	1.91

04 05 23 16-0007 Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing *(04 05 23 16-0001)*

04 05 23 16-0008	SF	2 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing	10.16	1.91
04 05 23 16-0009	SF	3 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing	11.02	1.91
04 05 23 16-0010	SF	5 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing	14.08	1.91
04 05 23 16-0011	SF	7 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing	16.91	1.91

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 23 16-0012		Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing *(04 05 23 16-0001)*		
04 05 23 16-0013	SF	2 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing	9.44	1.91
04 05 23 16-0014	SF	3 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing	10.63	1.91
04 05 23 16-0015	SF	5 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing	12.36	1.91
04 05 23 16-0016	SF	7 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing	15.95	1.91
04 05 23 16-0017		Stainless Steel Through Wall Flashing *(04 05 23 16)*		
04 05 23 16-0018		Paper Backed 2 Sides, Stainless Steel Through Wall Flashing *(04 05 23 16-0017)*		
04 05 23 16-0019	SF	0.005" Thick Paper Backed 2 Sides, Stainless Steel Through Wall Flashing	6.82	1.79
04 05 23 16-0020		Polyvinyl Chloride (PVC) Through Wall Flashing *(04 05 23 16)*		
04 05 23 16-0021	SF	0.010" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	4.88	2.07
04 05 23 16-0022	SF	0.020" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	5.11	2.07
04 05 23 16-0023	SF	0.030" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	5.38	2.07
04 05 23 16-0024	SF	0.056" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	6.27	2.07
04 05 23 16-0025		Copper Through Wall Flashing *(04 05 23 16)*		
04 05 23 16-0026		2 Sides Coated With Asphalt, Thru-Wall Copper Flashing *(04 05 23 16-0025)*		
04 05 23 16-0027	SF	2 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	7.78	1.79
04 05 23 16-0028	SF	3 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	8.49	1.79
04 05 23 16-0029	SF	5 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	10.44	1.79
04 05 23 16-0030	SF	7 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	12.16	1.79
04 05 23 16-0031	SF	10 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	12.88	1.79
04 05 23 16-0032		2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing *(04 05 23 16-0025)*		
04 05 23 16-0033	SF	2 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	8.48	1.79
04 05 23 16-0034	SF	3 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	9.10	1.79
04 05 23 16-0035	SF	5 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	11.35	1.79
04 05 23 16-0036	SF	7 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	13.41	1.79
04 05 23 16-0037	SF	10 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	14.63	1.79
04 05 23 16-0038		1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing *(04 05 23 16-0025)*		
04 05 23 16-0039	SF	2 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	7.86	1.79
04 05 23 16-0040	SF	3 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	8.58	1.79
04 05 23 16-0041	SF	5 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	10.51	1.79
04 05 23 16-0042	SF	7 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	12.23	1.79
04 05 23 16-0043	SF	10 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	12.96	1.79
04 05 23 16-0044		2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing *(04 05 23 16-0025)*		
04 05 23 16-0045	SF	2 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	7.95	1.79
04 05 23 16-0046	SF	3 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	8.82	1.79
04 05 23 16-0047	SF	5 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	10.08	1.79
04 05 23 16-0048	SF	7 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	12.72	1.79
04 05 23 16-0049	SF	10 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	9.40	1.79
04 05 23 16-0050		2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing *(04 05 23 16-0025)*		
04 05 23 16-0051	SF	3 Ounce, 2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing	10.84	1.79
04 05 23 16-0052	SF	5 Ounce, 2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing	13.44	1.79
04 05 23 16-0053		2 Sides Glass Fabric, Thru-Wall Copper Flashing *(04 05 23 16-0025)* Note: Glass fabric is bonded to both sides with a non-asphaltic adhesive.		
04 05 23 16-0054	SF	3 Ounce, 2 Sides Glass Fabric, Thru-Wall Copper Flashing	9.33	1.79
04 05 23 16-0055	SF	5 Ounce, 2 Sides Glass Fabric, Thru-Wall Copper Flashing	11.66	1.79
04 05 23 19		**Masonry Cavity Drainage, Weepholes, and Vents** *(04 05 23)*		
04 05 23 19-0001		Brick Vents, 4" Deep, With Insect Screen *(04 05 23 19)* Note: 0.100" nominal wall thickness, three mortar ribs on top and bottom of frame.		
04 05 23 19-0002	EA	8-1/8" x 2-3/8" Aluminum Brick Vent	80.68	
04 05 23 19-0003	EA	8-1/8" x 4-3/4" Aluminum Brick Vent	100.41	
04 05 23 19-0004	EA	8-1/8" x 7-3/4" Aluminum Brick Vent	127.36	
04 05 23 19-0005	EA	12" x 2-3/8" Aluminum Brick Vent	100.11	
04 05 23 19-0006	EA	12" x 4-3/4" Aluminum Brick Vent	124.12	
04 05 23 19-0007	EA	12" x 7-3/4" Aluminum Brick Vent	157.84	
04 05 23 19-0008	EA	16-1/2" x 2-3/8" Aluminum Brick Vent	119.25	
04 05 23 19-0009	EA	16-1/2" x 4-3/4" Aluminum Brick Vent	162.78	
04 05 23 19-0010	EA	16-1/2" x 7-3/4" Aluminum Brick Vent	200.19	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 23 19-0011	EA	24" x 2-3/8" Aluminum Brick Vent	164.50	
04 05 23 19-0012	EA	24" x 4-3/4" Aluminum Brick Vent	214.70	
04 05 23 19-0013	EA	24" x 7-3/4" Aluminum Brick Vent	265.54	

04 20 Unit Masonry *(04)*

Note: Includes finishing joints (pointing) and cleaning of new brick and mortar. Cutting of new bricks/blocks to size. Weep holes and wicking material.

04 21 Clay Unit Masonry *(04 20)*

04 21 13 Brick Masonry *(04 21)*

Note: Includes brick and mortar. See CSI section 04 05 19 13-0000 for reinforcing, 04 05 19 16-0000 for masonry anchors.

04 21 13 00-0001 Brick Masonry *(04 21 13)*

04 21 13 00-0002	SF	Standard Size Red Brick, Running Bond Note: Standard size brick, 3-5/8" x 2-1/4" x 8". (6.55 Bricks/SF)	25.41	
		For Buff Or Gray, Add	*0.96*	
		For Common Or American Bond, Add	*0.79*	
		For English Bond, Add	*1.57*	
		For Flemish Bond, Add	*3.23*	
		For Stacked Bond, Add	*2.25*	
		For <10, Small Area Replacements (Individual Areas), Add	*29.73*	
		For Curved Wall, Add	*3.93*	
		For Corbels, Add	*14.72*	
		For Severe Weather (SW) Brick, Add	*0.87*	
		For Glazed Brick, Add	*20.23*	
04 21 13 00-0003	SF	Engineer Standard Size Red Brick, Running Bond Note: Engineer standard size brick, 3-5/8" x 2-3/4" x 8". (5.39 Bricks/SF)	26.34	
		For Buff Or Gray, Add	*1.19*	
		For Common Or American Bond, Add	*0.77*	
		For English Bond, Add	*1.53*	
		For Flemish Bond, Add	*3.24*	
		For Stacked Bond, Add	*2.28*	
		For <10, Small Area Replacements (Individual Areas), Add	*29.13*	
		For Curved Wall, Add	*3.84*	
		For Corbels, Add	*14.39*	
		For Severe Weather (SW) Brick, Add	*1.07*	
		For Glazed Brick, Add	*25.06*	
04 21 13 00-0004	SF	Modular Size Red Brick, Running Bond Note: Modular size brick, 3-5/8" x 2-1/4" x 7-5/8". (6.75 Bricks/SF)	25.41	
		For Buff Or Gray, Add	*0.96*	
		For Common Or American Bond, Add	*0.79*	
		For English Bond, Add	*1.57*	
		For Flemish Bond, Add	*3.23*	
		For Stacked Bond, Add	*2.25*	
		For <10, Small Area Replacements (Individual Areas), Add	*29.73*	
		For Curved Wall, Add	*3.93*	
		For Corbels, Add	*14.72*	
		For Severe Weather (SW) Brick, Add	*0.87*	
		For Glazed Brick, Add	*20.23*	
04 21 13 00-0005	SF	Engineer Modular Size Red Brick, Running Bond Note: Engineer modular size brick, 3-5/8" x 2-3/4" x 7-5/8". (5.63 Bricks/SF)	26.34	
		For Buff Or Gray, Add	*1.19*	
		For Common Or American Bond, Add	*0.77*	
		For English Bond, Add	*1.53*	
		For Flemish Bond, Add	*3.24*	
		For Stacked Bond, Add	*2.28*	
		For <10, Small Area Replacements (Individual Areas), Add	*29.13*	
		For Curved Wall, Add	*3.84*	
		For Corbels, Add	*14.39*	
		For Severe Weather (SW) Brick, Add	*1.07*	
		For Glazed Brick, Add	*25.06*	
04 21 13 00-0006	SF	Economy Size Red Brick, Running Bond Note: Economy size brick, 3-5/8" x 3-5/8" x 7-5/8". (4.5 Bricks/SF)	26.15	
		For Buff Or Gray, Add	*1.16*	
		For Common Or American Bond, Add	*0.77*	
		For English Bond, Add	*1.53*	
		For Flemish Bond, Add	*3.23*	
		For Stacked Bond, Add	*2.27*	
		For <10, Small Area Replacements (Individual Areas), Add	*29.12*	
		For Curved Wall, Add	*3.84*	
		For Corbels, Add	*14.39*	
		For Severe Weather (SW) Brick, Add	*1.05*	
		For Glazed Brick, Add	*24.40*	
04 21 13 00-0007	SF	Utility Size Red Brick, Running Bond Note: Utility size brick, 3-5/8" x 3-5/8" x 11-5/8". (3.0 Bricks/SF)	19.37	
		For Buff Or Gray, Add	*1.00*	
		For Common Or American Bond, Add	*0.54*	
		For English Bond, Add	*1.07*	
		For Flemish Bond, Add	*2.31*	
		For Stacked Bond, Add	*1.64*	
		For <10, Small Area Replacements (Individual Areas), Add	*20.40*	
		For Curved Wall, Add	*2.68*	
		For Corbels, Add	*10.05*	
		For Severe Weather (SW) Brick, Add	*0.90*	
		For Glazed Brick, Add	*20.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 13 00-0008	SF	Double Utility Size Red Brick, Running Bond Note: Double utility size brick, 3-5/8" x 7-5/8" x 11-5/8". (1.5 Bricks/SF)	17.58	
		For Buff Or Gray, Add	*0.70*	
		For Common Or American Bond, Add	*0.54*	
		For English Bond, Add	*1.07*	
		For Flemish Bond, Add	*2.22*	
		For Stacked Bond, Add	*1.55*	
		For <10, Small Area Replacements (Individual Areas), Add	*20.31*	
		For Curved Wall, Add	*2.68*	
		For Corbels, Add	*10.05*	
		For Severe Weather (SW) Brick, Add	*0.63*	
		For Glazed Brick, Add	*14.63*	
04 21 13 00-0009	SF	Norman Size Red Brick, Running Bond Note: Norman size brick, 3-5/8" x 2-1/4" x 11-5/8". (4.5 Bricks/SF)	26.70	
		For Buff Or Gray, Add	*1.25*	
		For Common Or American Bond, Add	*0.77*	
		For English Bond, Add	*1.53*	
		For Flemish Bond, Add	*3.25*	
		For Stacked Bond, Add	*2.29*	
		For <10, Small Area Replacements (Individual Areas), Add	*29.15*	
		For Curved Wall, Add	*3.84*	
		For Corbels, Add	*14.39*	
		For Severe Weather (SW) Brick, Add	*1.13*	
		For Glazed Brick, Add	*26.32*	
04 21 13 00-0010	SF	Roman Size Red Brick, Running Bond Note: Roman size brick, 3-5/8" x 1-5/8" x 11-5/8". (6.0 Bricks/SF)	28.28	
		For Buff Or Gray, Add	*1.52*	
		For Common Or American Bond, Add	*0.77*	
		For English Bond, Add	*1.53*	
		For Flemish Bond, Add	*3.33*	
		For Stacked Bond, Add	*2.37*	
		For <10, Small Area Replacements (Individual Areas), Add	*29.23*	
		For Curved Wall, Add	*3.84*	
		For Corbels, Add	*14.39*	
		For Severe Weather (SW) Brick, Add	*1.37*	
		For Glazed Brick, Add	*31.85*	

04 21 13 00-0011 Fire Brick *(04 21 13)*

04 21 13 00-0012	SF	Running Bond, Red Fire Brick	29.87	
		For Buff Or Gray, Add	*1.78*	
		For Common Or American Bond, Add	*0.77*	
		For English Bond, Add	*1.53*	
		For Flemish Bond, Add	*3.41*	
		For Stacked Bond, Add	*2.45*	
		For <10, Small Area Replacements (Individual Areas), Add	*29.30*	

04 21 13 00-0013 Window Sill *(04 21 13)*

04 21 13 00-0014	LF	Standard Size Red Brick, Window Sill Note: Standard size brick, 3-5/8" x 2-1/4" x 8", placed on edge.	22.86	
		For Buff Or Gray, Add	*0.29*	
04 21 13 00-0015	LF	Engineer Standard Size Red Brick, Window Sill Note: Engineer standard size brick, 3-5/8" x 2-3/4" x 8", placed on edge.	23.06	
		For Buff Or Gray, Add	*0.32*	
04 21 13 00-0016	LF	Modular Size Red Brick, Window Sill Note: Modular size brick, 3-5/8" x 2-1/4" x 7-5/8", placed on edge.	22.86	
		For Buff Or Gray, Add	*0.29*	
04 21 13 00-0017	LF	Engineer Modular Size Red Brick, Window Sill Note: Engineer modular size brick, 3-5/8" x 2-3/4" x 7-5/8", placed on edge.	23.20	
		For Buff Or Gray, Add	*0.34*	
04 21 13 00-0018	LF	Economy Size Red Brick, Window Sill Note: Economy size brick, 3-5/8" x 3-5/8" x 7-5/8", placed on edge.	24.10	
		For Buff Or Gray, Add	*0.49*	
04 21 13 00-0019	LF	Utility Size Red Brick, Window Sill Note: Utility size brick, 3-5/8" x 3-5/8" x 11-5/8", placed on edge.	24.28	
		For Buff Or Gray, Add	*0.52*	
04 21 13 00-0020	LF	Double Utility Size Red Brick, Window Sill Note: Double utility size brick, 3-5/8" x 7-5/8" x 11-5/8", placed on edge.	24.28	
		For Buff Or Gray, Add	*0.52*	
04 21 13 00-0021	LF	Norman Size Red Brick, Window Sill Note: Norman size brick, 3-5/8" x 2-1/4" x 11-5/8", placed on edge.	23.32	
		For Buff Or Gray, Add	*0.36*	
04 21 13 00-0022	LF	Roman Size Red Brick, Window Sill Note: Roman size brick, 3-5/8" x 1-5/8" x 11-5/8", placed on edge.	23.41	
		For Buff Or Gray, Add	*0.38*	

04 21 19 Clay Tile Masonry *(04 21)*

04 21 19 00-0001 Scored Face, Hollow, Clay Backing Tile *(04 21 19)*

04 21 19 00-0002 Load Bearing, Scored Face, Hollow, Clay Backing Tile *(04 21 19 00-0001)*

04 21 19 00-0003	SF	4" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile	23.91	
		For Smooth Face, One Side, Add	*1.52*	
		For Smooth Face, Two Sides, Add	*2.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 19 00-0004	SF	6" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile	26.01	
		For Smooth Face, One Side, Add	*1.68*	
		For Smooth Face, Two Sides, Add	*2.84*	
04 21 19 00-0005	SF	8" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile	29.23	
		For Smooth Face, One Side, Add	*1.95*	
		For Smooth Face, Two Sides, Add	*3.32*	
04 21 19 00-0006	SF	10" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile	40.42	
		For Smooth Face, One Side, Add	*3.01*	
		For Smooth Face, Two Sides, Add	*5.22*	
04 21 19 00-0007	SF	12" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile	53.31	
		For Smooth Face, One Side, Add	*4.20*	
		For Smooth Face, Two Sides, Add	*7.34*	
04 21 19 00-0008		Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile *(04 21 19 00-0001)*		
04 21 19 00-0009	SF	3" Thick Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile	19.99	
		For Smooth Face, One Side, Add	*1.22*	
		For Smooth Face, Two Sides, Add	*2.04*	
04 21 19 00-0010	SF	4" Thick Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile	24.03	
		For Smooth Face, One Side, Add	*1.59*	
		For Smooth Face, Two Sides, Add	*2.70*	
04 21 19 00-0011	SF	6" Thick Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile	24.64	
		For Smooth Face, One Side, Add	*1.61*	
		For Smooth Face, Two Sides, Add	*2.73*	
04 21 19 00-0012	SF	8" Thick Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile	37.94	
		For Smooth Face, One Side, Add	*2.87*	
		For Smooth Face, Two Sides, Add	*4.99*	
04 21 19 00-0013	SF	12" Thick Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile	51.88	
		For Smooth Face, One Side, Add	*4.16*	
		For Smooth Face, Two Sides, Add	*7.28*	
04 21 26		**Glazed Structural Clay Tile Masonry** *(04 21)*		
		Note: Includes tile and mortar in all colors.		
04 21 26 00-0001		6T Series Structural Glazed Clay Tile *(04 21 26)*		
04 21 26 00-0002		Glazed On One Side 6T Series Structural Glazed Clay Tile *(04 21 26 00-0001)*		
04 21 26 00-0003	SF	2" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12"	32.49	
		For Stacked Bond, Add	*2.10*	
04 21 26 00-0004	SF	4" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12"	36.50	
		For Stacked Bond, Add	*2.10*	
04 21 26 00-0005	SF	6" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12"	44.72	
		For Stacked Bond, Add	*2.19*	
04 21 26 00-0006		Special Shapes 6T Series Structural Glazed Clay Tile *(04 21 26 00-0001)*		
04 21 26 00-0007	LF	Bullnose, Jamb Or Sill Shapes 6T Series Structural Glazed Clay Tile	33.91	
		For Stacked Bond, Add	*2.48*	
04 21 26 00-0008	LF	2" Or 4" Cove Base 6T Series Structural Glazed Clay Tile	40.59	
		For Stacked Bond, Add	*2.48*	
04 21 26 00-0009		8W Series Structural Glazed Clay Tile *(04 21 26)*		
04 21 26 00-0010		Glazed On One Side 8W Series Structural Glazed Clay Tile *(04 21 26 00-0009)*		
04 21 26 00-0011	SF	2" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16"	25.61	
		For Stacked Bond, Add	*1.33*	
04 21 26 00-0012	SF	4" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16"	31.96	
		For Stacked Bond, Add	*1.43*	
04 21 26 00-0013	SF	6" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16"	44.32	
		For Stacked Bond, Add	*1.52*	
04 21 26 00-0014		Special Shapes 8W Series Structural Glazed Clay Tile *(04 21 26 00-0009)*		
04 21 26 00-0015	LF	Bullnose, Jamb Or Sill Shapes 8W Series Structural Glazed Clay Tile	35.09	
		For Stacked Bond, Add	*1.72*	
04 21 26 00-0016	LF	2" Or 4" Cove Base 8W Series Structural Glazed Clay Tile	35.03	
		For Stacked Bond, Add	*1.72*	
04 21 26 00-0017		4W Series Structural Glazed Clay Tile *(04 21 26)*		
04 21 26 00-0018		Glazed On One Side 4W Series Structural Glazed Clay Tile *(04 21 26 00-0017)*		
04 21 26 00-0019	SF	2" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8"	34.00	
		For Stacked Bond, Add	*2.10*	
04 21 26 00-0020	SF	4" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8"	36.00	
		For Stacked Bond, Add	*2.10*	
04 21 26 00-0021	SF	6" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8"	44.98	
		For Stacked Bond, Add	*2.19*	
04 21 26 00-0022		Special Shapes 4W Series Structural Glazed Clay Tile *(04 21 26 00-0017)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 26 00-0023	LF	Bullnose, Jamb Or Sill Shapes 4W Series Structural Glazed Clay Tile	35.13	
		For Stacked Bond, Add	*2.48*	
04 21 26 00-0024	LF	2" Or 4" Cove Base 4W Series Structural Glazed Clay Tile	40.48	
		For Stacked Bond, Add	*2.48*	

04 21 26 00-0025 6T Series Sound Absorbing Structural Glazed Tile *(04 21 26)*

04 21 26 00-0026	SF	4" Thick, 6T Sound Absorbing Structural Glazed Tile	35.14	
04 21 26 00-0027	SF	6" Thick, 6T Sound Absorbing Structural Glazed Tile	37.99	
04 21 26 00-0028	SF	8" Thick, 6T Sound Absorbing Structural Glazed Tile	44.32	

04 21 26 00-0029 8T Series Sound Absorbing Structural Glazed Tile *(04 21 26)*

04 21 26 00-0030	SF	4" Thick, 8T Sound Absorbing Structural Glazed Tile	39.36	
04 21 26 00-0031	SF	6" Thick, 8T Sound Absorbing Structural Glazed Tile	44.49	
04 21 26 00-0032	SF	8" Thick, 8T Acoustical Glazed Tile	52.76	

04 22 Concrete Unit Masonry *(04 20)*

Note: Includes block and mortar. Excludes horizontal and vertical reinforcing. See CSI section 04 05 19 13-0000 for joint reinforcing.

04 22 23 Architectural Concrete Unit Masonry *(04 22)*

04 22 23 13 Exposed Aggregate Concrete Unit Masonry *(04 22 23)*

04 22 23 13-0001 Concrete Blocks *(04 22 23 13)*

04 22 23 13-0002 Lightweight Concrete Blocks *(04 22 23 13-0001)*

04 22 23 13-0003 Cored, Lightweight, Concrete Blocks *(04 22 23 13-0002)*

04 22 23 13-0004	SF	4" x 8" x 16", Cored, Lightweight, Concrete Block	12.24	
		For Stacked Bond, Add	*2.63*	
		For Scored Block, Add	*0.42*	
		For Curved Wall Application, Add	*2.03*	
		For <10, Small Area Replacements (Individual Areas), Add	*15.35*	
04 22 23 13-0005	SF	6" x 8" x 16", Cored, Lightweight, Concrete Block	13.64	
		For Stacked Bond, Add	*2.85*	
		For Scored Block, Add	*0.54*	
		For Curved Wall Application, Add	*2.19*	
		For <10, Small Area Replacements (Individual Areas), Add	*16.64*	
04 22 23 13-0006	SF	8" x 8" x 16", Cored, Lightweight, Concrete Block	14.79	
		For Stacked Bond, Add	*3.06*	
		For Scored Block, Add	*0.60*	
		For Curved Wall Application, Add	*2.35*	
		For <10, Small Area Replacements (Individual Areas), Add	*17.88*	
04 22 23 13-0007	SF	10" x 8" x 16", Cored, Lightweight, Concrete Block	16.34	
		For Stacked Bond, Add	*3.20*	
		For Scored Block, Add	*0.81*	
		For Curved Wall Application, Add	*2.46*	
		For <10, Small Area Replacements (Individual Areas), Add	*18.77*	
04 22 23 13-0008	SF	12" x 8" x 16", Cored, Lightweight, Concrete Block	19.52	
		For Stacked Bond, Add	*3.95*	
		For Scored Block, Add	*0.87*	
		For Curved Wall Application, Add	*3.04*	
		For <10, Small Area Replacements (Individual Areas), Add	*23.11*	

04 22 23 13-0009 Solid, Lightweight, Concrete Blocks *(04 22 23 13-0002)*

04 22 23 13-0010	SF	4" x 8" x 16", Solid, Lightweight, Concrete Block	13.21	
		For Stacked Bond, Add	*2.70*	
		For Scored Block, Add	*0.56*	
		For Curved Wall Application, Add	*2.08*	
		For <10, Small Area Replacements (Individual Areas), Add	*15.80*	
04 22 23 13-0011	SF	6" x 8" x 16", Solid, Lightweight, Concrete Block	14.48	
		For Stacked Bond, Add	*2.97*	
		For Scored Block, Add	*0.61*	
		For Curved Wall Application, Add	*2.29*	
		For <10, Small Area Replacements (Individual Areas), Add	*17.37*	
04 22 23 13-0012	SF	8" x 8" x 16", Solid, Lightweight, Concrete Block	15.28	
		For Stacked Bond, Add	*3.15*	
		For Scored Block, Add	*0.63*	
		For Curved Wall Application, Add	*2.43*	
		For <10, Small Area Replacements (Individual Areas), Add	*18.43*	
04 22 23 13-0013	SF	10" x 8" x 16", Solid, Lightweight, Concrete Block	17.06	
		For Stacked Bond, Add	*3.30*	
		For Scored Block, Add	*0.87*	
		For Curved Wall Application, Add	*2.54*	
		For <10, Small Area Replacements (Individual Areas), Add	*19.38*	
04 22 23 13-0014	SF	12" x 8" x 16", Solid, Lightweight, Concrete Block	20.35	
		For Stacked Bond, Add	*4.08*	
		For Scored Block, Add	*0.93*	
		For Curved Wall Application, Add	*3.14*	
		For <10, Small Area Replacements (Individual Areas), Add	*23.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

04 22 23 13-0015 Normal Weight Concrete Blocks *(04 22 23 13-0001)*

04 22 23 13-0016 Cored, Normal Weight, Concrete Blocks *(04 22 23 13-0015)*

04 22 23 13-0017	SF	4" x 8" x 16", Cored, Normal Weight, Concrete Block	12.50	
		For Stacked Bond, Add	*2.70*	
		For Scored Block, Add	*0.42*	
		For Curved Wall Application, Add	*2.08*	
		For <10, Small Area Replacements (Individual Areas), Add	*15.74*	
		For 3,500 PSI, Add	*0.44*	
		For 5,000 PSI, Add	*0.76*	
04 22 23 13-0018	SF	6" x 8" x 16", Cored, Normal Weight, Concrete Block	13.85	
		For Stacked Bond, Add	*2.97*	
		For Scored Block, Add	*0.48*	
		For Curved Wall Application, Add	*2.29*	
		For <10, Small Area Replacements (Individual Areas), Add	*17.33*	
		For 3,500 PSI, Add	*0.51*	
		For 5,000 PSI, Add	*0.87*	
04 22 23 13-0019	SF	8" x 8" x 16", Cored, Normal Weight, Concrete Block	14.91	
		For Stacked Bond, Add	*3.15*	
		For Scored Block, Add	*0.56*	
		For Curved Wall Application, Add	*2.43*	
		For <10, Small Area Replacements (Individual Areas), Add	*18.40*	
		For 3,500 PSI, Add	*0.58*	
		For 5,000 PSI, Add	*1.00*	
04 22 23 13-0020	SF	10" x 8" x 16", Cored, Normal Weight, Concrete Block	18.07	
		For Stacked Bond, Add	*3.30*	
		For Scored Block, Add	*1.07*	
		For Curved Wall Application, Add	*2.54*	
		For <10, Small Area Replacements (Individual Areas), Add	*19.45*	
		For 3,500 PSI, Add	*1.13*	
		For 5,000 PSI, Add	*1.93*	
04 22 23 13-0021	SF	12" x 8" x 16", Cored, Normal Weight, Concrete Block	21.23	
		For Stacked Bond, Add	*4.08*	
		For Scored Block, Add	*1.11*	
		For Curved Wall Application, Add	*3.14*	
		For <10, Small Area Replacements (Individual Areas), Add	*23.95*	
		For 3,500 PSI, Add	*1.16*	
		For 5,000 PSI, Add	*1.99*	

04 22 23 13-0022 Solid, Normal Weight, Concrete Blocks *(04 22 23 13-0015)*

04 22 23 13-0023	SF	4" x 8" x 16", Solid, Normal Weight, Concrete Block	13.35	
		For Stacked Bond, Add	*2.77*	
		For Scored Block, Add	*0.54*	
		For Curved Wall Application, Add	*2.13*	
		For <10, Small Area Replacements (Individual Areas), Add	*16.21*	
		For 3,500 PSI, Add	*0.56*	
		For 5,000 PSI, Add	*0.96*	
04 22 23 13-0024	SF	6" x 8" x 16", Solid, Normal Weight, Concrete Block	14.25	
		For Stacked Bond, Add	*3.06*	
		For Scored Block, Add	*0.50*	
		For Curved Wall Application, Add	*2.35*	
		For <10, Small Area Replacements (Individual Areas), Add	*17.84*	
		For 3,500 PSI, Add	*0.52*	
		For 5,000 PSI, Add	*0.89*	
04 22 23 13-0025	SF	8" x 8" x 16", Solid, Normal Weight, Concrete Block	15.39	
		For Stacked Bond, Add	*3.25*	
		For Scored Block, Add	*0.58*	
		For Curved Wall Application, Add	*2.50*	
		For <10, Small Area Replacements (Individual Areas), Add	*18.97*	
		For 3,500 PSI, Add	*0.61*	
		For 5,000 PSI, Add	*1.04*	
04 22 23 13-0026	SF	10" x 8" x 16", Solid, Normal Weight, Concrete Block	16.98	
		For Stacked Bond, Add	*3.41*	
		For Scored Block, Add	*0.77*	
		For Curved Wall Application, Add	*2.62*	
		For <10, Small Area Replacements (Individual Areas), Add	*19.97*	
		For 3,500 PSI, Add	*0.81*	
		For 5,000 PSI, Add	*1.39*	
04 22 23 13-0027	SF	12" x 8" x 16", Solid, Normal Weight, Concrete Block	20.27	
		For Stacked Bond, Add	*4.22*	
		For Scored Block, Add	*0.81*	
		For Curved Wall Application, Add	*3.25*	
		For <10, Small Area Replacements (Individual Areas), Add	*24.66*	
		For 3,500 PSI, Add	*0.85*	
		For 5,000 PSI, Add	*1.45*	

04 22 23 13-0028 Bond Beam Or Lintel Concrete Blocks *(04 22 23 13)*

04 22 23 13-0029 Lightweight, Bond Beam Or Lintel Concrete Blocks *(04 22 23 13-0028)*

Note: Excludes concrete fill and reinforcing.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 13-0030	LF	6" x 8" x 16", Lightweight, Bond Beam Or Lintel Concrete Block	14.27	
		For Stacked Bond, Add	*2.85*	
		For Grout And Fill With 2 #5 Rebar, Add	*8.79*	
		For Scored Block, Add	*0.66*	
		For Curved Wall Application, Add	*2.19*	
04 22 23 13-0031	LF	8" x 8" x 16", Lightweight, Bond Beam Or Lintel Concrete Block	15.77	
		For Stacked Bond, Add	*3.06*	
		For Grout And Fill With 2 #5 Rebar, Add	*9.89*	
		For Scored Block, Add	*0.80*	
		For Curved Wall Application, Add	*2.35*	
04 22 23 13-0032	LF	12" x 8" x 16", Lightweight, Bond Beam Or Lintel Concrete Block	19.44	
		For Stacked Bond, Add	*3.95*	
		For Grout And Fill With 2 #5 Rebar, Add	*11.85*	
		For Scored Block, Add	*0.85*	
		For Curved Wall Application, Add	*3.04*	

04 22 23 13-0033 Normal Weight, Bond Beam Or Lintel Concrete Blocks *(04 22 23 13-0028)*

Note: Excludes concrete fill and reinforcing.

04 22 23 13-0034	LF	6" x 8" x 16", Normal Weight, Bond Beam Or Lintel Concrete Block	14.26	
		For Stacked Bond, Add	*2.97*	
		For Grout And Fill With 2 #5 Rebar, Add	*8.55*	
		For Scored Block, Add	*0.57*	
		For Curved Wall Application, Add	*2.29*	
		For 3,500 PSI, Add	*0.59*	
		For 5,000 PSI, Add	*1.02*	
04 22 23 13-0035	LF	8" x 8" x 16", Normal Weight, Bond Beam Or Lintel Concrete Block	15.66	
		For Stacked Bond, Add	*3.15*	
		For Grout And Fill With 2 #5 Rebar, Add	*9.60*	
		For Scored Block, Add	*0.71*	
		For Curved Wall Application, Add	*2.43*	
		For 3,500 PSI, Add	*0.74*	
		For 5,000 PSI, Add	*1.27*	
04 22 23 13-0036	LF	12" x 8" x 16", Normal Weight, Bond Beam Or Lintel Concrete Block	19.47	
		For Stacked Bond, Add	*4.08*	
		For Grout And Fill With 2 #5 Rebar, Add	*11.63*	
		For Scored Block, Add	*0.76*	
		For Curved Wall Application, Add	*3.14*	
		For 3,500 PSI, Add	*0.79*	
		For 5,000 PSI, Add	*1.36*	

04 22 23 23 Prefaced Concrete Unit Masonry *(04 22 23)*

04 22 23 23-0001 Ground Face Concrete Blocks *(04 22 23 23)*

04 22 23 23-0002	SF	4" x 8" x 16", Ground Face, Concrete Block	16.09	
		For Stacked Bond, Add	*3.30*	
		For Scored Block, Add	*0.68*	
		For Curved Wall Application, Add	*2.54*	
		For <10, Small Area Replacements (Individual Areas), Add	*19.30*	
04 22 23 23-0003	SF	6" x 8" x 16", Ground Face, Concrete Block	18.15	
		For Stacked Bond, Add	*3.72*	
		For Scored Block, Add	*0.77*	
		For Curved Wall Application, Add	*2.86*	
		For <10, Small Area Replacements (Individual Areas), Add	*21.72*	
04 22 23 23-0004	SF	8" x 8" x 16", Ground Face, Concrete Block	19.66	
		For Stacked Bond, Add	*3.93*	
		For Scored Block, Add	*0.91*	
		For Curved Wall Application, Add	*3.02*	
		For <10, Small Area Replacements (Individual Areas), Add	*22.99*	
04 22 23 23-0005	SF	10" x 8" x 16", Ground Face, Concrete Block	21.04	
		For Stacked Bond, Add	*4.16*	
		For Scored Block, Add	*1.01*	
		For Curved Wall Application, Add	*3.20*	
		For <10, Small Area Replacements (Individual Areas), Add	*24.39*	
04 22 23 23-0006	SF	12" x 8" x 16", Ground Face, Concrete Block	25.11	
		For Stacked Bond, Add	*5.10*	
		For Scored Block, Add	*1.10*	
		For Curved Wall Application, Add	*3.92*	
		For <10, Small Area Replacements (Individual Areas), Add	*29.83*	

04 22 23 26 Sound-Absorbing Concrete Unit Masonry *(04 22 23)*

04 22 23 26-0001 Slotted, Acoustical Concrete Block *(04 22 23 26)*

04 22 23 26-0002	SF	4" x 8" x 16", .45 - .55 NRC, Slotted, Acoustical Concrete Block	22.06	
		For Stacked Bond, Add	*3.30*	
		For Curved Wall Application, Add	*2.54*	
		For <10, Small Area Replacements (Individual Areas), Add	*19.75*	
04 22 23 26-0003	SF	6" x 8" x 16", .45 - .55 NRC, Slotted, Acoustical Concrete Block	24.77	
		For Stacked Bond, Add	*3.59*	
		For Curved Wall Application, Add	*2.76*	
		For <10, Small Area Replacements (Individual Areas), Add	*21.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 26-0004	SF	8" x 8" x 16", .45 - .55 NRC, Slotted, Acoustical Concrete Block	28.62	
		For Stacked Bond, Add	*3.93*	
		For Curved Wall Application, Add	*3.02*	
		For <10, Small Area Replacements (Individual Areas), Add	*23.66*	

04 22 23 29 Split-Face Concrete Unit Masonry *(04 22 23)*

04 22 23 29-0001 Split Face, Concrete Blocks *(04 22 23 29)*

04 22 23 29-0002 Plain Or Scored, Split Face, Concrete Blocks *(04 22 23 29-0001)*

04 22 23 29-0003	SF	4" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	16.49	
		For Stacked Bond, Add	*3.30*	
		For Curved Wall Application, Add	*2.54*	
		For <10, Small Area Replacements (Individual Areas), Add	*19.33*	
04 22 23 29-0004	SF	6" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	18.62	
		For Stacked Bond, Add	*3.72*	
		For Curved Wall Application, Add	*2.86*	
		For <10, Small Area Replacements (Individual Areas), Add	*21.76*	
04 22 23 29-0005	SF	8" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	20.20	
		For Stacked Bond, Add	*3.93*	
		For Curved Wall Application, Add	*3.02*	
		For <10, Small Area Replacements (Individual Areas), Add	*23.03*	
04 22 23 29-0006	SF	10" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	21.68	
		For Stacked Bond, Add	*4.16*	
		For Curved Wall Application, Add	*3.20*	
		For <10, Small Area Replacements (Individual Areas), Add	*24.44*	
04 22 23 29-0007	SF	12" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	25.49	
		For Stacked Bond, Add	*5.10*	
		For Curved Wall Application, Add	*3.92*	
		For <10, Small Area Replacements (Individual Areas), Add	*29.86*	

04 22 23 29-0008 Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Blocks *(04 22 23 29-0001)*

04 22 23 29-0009	SF	4" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	17.44	
		For Stacked Bond, Add	*3.30*	
		For Grout And Fill With 2 #5 Rebar, Add	*11.09*	
		For Curved Wall Application, Add	*2.54*	
		For <10, Small Area Replacements (Individual Areas), Add	*19.41*	
04 22 23 29-0010	SF	6" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	19.70	
		For Stacked Bond, Add	*3.72*	
		For Grout And Fill With 2 #5 Rebar, Add	*12.56*	
		For Curved Wall Application, Add	*2.86*	
		For <10, Small Area Replacements (Individual Areas), Add	*21.84*	
04 22 23 29-0011	SF	8" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	21.48	
		For Stacked Bond, Add	*3.93*	
		For Grout And Fill With 2 #5 Rebar, Add	*13.93*	
		For Curved Wall Application, Add	*3.02*	
		For <10, Small Area Replacements (Individual Areas), Add	*23.13*	
04 22 23 29-0012	SF	10" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	23.10	
		For Stacked Bond, Add	*4.16*	
		For Grout And Fill With 2 #5 Rebar, Add	*15.10*	
		For Curved Wall Application, Add	*3.20*	
		For <10, Small Area Replacements (Individual Areas), Add	*24.55*	
04 22 23 29-0013	SF	12" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	26.96	
		For Stacked Bond, Add	*5.10*	
		For Grout And Fill With 2 #5 Rebar, Add	*17.16*	
		For Curved Wall Application, Add	*3.92*	
		For <10, Small Area Replacements (Individual Areas), Add	*29.97*	

04 22 23 29-0014 Split Rib, Concrete Block *(04 22 23 29)*

04 22 23 29-0015 Split Rib, Concrete Block *(04 22 23 29-0014)*

04 22 23 29-0016	SF	4" x 8" x 16", Split Rib, Concrete Block	16.19	
		For Stacked Bond, Add	*3.30*	
		For Curved Wall Application, Add	*2.54*	
		For <10, Small Area Replacements (Individual Areas), Add	*19.31*	
04 22 23 29-0017	SF	6" x 8" x 16", Split Rib, Concrete Block	19.32	
		For Stacked Bond, Add	*3.72*	
		For Curved Wall Application, Add	*2.86*	
		For <10, Small Area Replacements (Individual Areas), Add	*21.81*	
04 22 23 29-0018	SF	8" x 8" x 16", Split Rib, Concrete Block	20.57	
		For Stacked Bond, Add	*3.93*	
		For Curved Wall Application, Add	*3.02*	
		For <10, Small Area Replacements (Individual Areas), Add	*23.06*	
04 22 23 29-0019	SF	10" x 8" x 16", Split Rib, Concrete Block	21.98	
		For Stacked Bond, Add	*4.16*	
		For Curved Wall Application, Add	*3.20*	
		For <10, Small Area Replacements (Individual Areas), Add	*24.46*	
04 22 23 29-0020	SF	12" x 8" x 16", Split Rib, Concrete Block	26.15	
		For Stacked Bond, Add	*5.10*	
		For Curved Wall Application, Add	*3.92*	
		For <10, Small Area Replacements (Individual Areas), Add	*29.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

04 22 23 31 Glazed Concrete Masonry Unit *(04 22 23)*

04 22 23 31-0001 One Glazed Face, Concrete Blocks *(04 22 23 31)*

04 22 23 31-0002 One Glazed Face, Concrete Blocks *(04 22 23 31-0001)*

04 22 23 31-0003	SF	4" x 8" x 16", One Glazed Face, Concrete Block	29.08	
		For Stacked Bond, Add	*3.20*	
		For Curved Wall Application, Add	*2.46*	
		For <10, Small Area Replacements (Individual Areas), Add	*19.72*	
04 22 23 31-0004	SF	6" x 8" x 16", One Glazed Face, Concrete Block	31.12	
		For Stacked Bond, Add	*3.53*	
		For Curved Wall Application, Add	*2.71*	
		For <10, Small Area Replacements (Individual Areas), Add	*21.66*	
04 22 23 31-0005	SF	8" x 8" x 16", One Glazed Face, Concrete Block	32.96	
		For Stacked Bond, Add	*3.72*	
		For Curved Wall Application, Add	*2.86*	
		For <10, Small Area Replacements (Individual Areas), Add	*22.84*	
04 22 23 31-0006	SF	10" x 8" x 16", One Glazed Face, Concrete Block	34.91	
		For Stacked Bond, Add	*3.93*	
		For Curved Wall Application, Add	*3.02*	
		For <10, Small Area Replacements (Individual Areas), Add	*24.14*	
04 22 23 31-0007	SF	12" x 8" x 16", One Glazed Face, Concrete Block	39.25	
		For Stacked Bond, Add	*4.80*	
		For Curved Wall Application, Add	*3.69*	
		For <10, Small Area Replacements (Individual Areas), Add	*29.26*	

04 22 23 31-0008 Two Glazed Faces, Concrete Blocks *(04 22 23 31)*

04 22 23 31-0009 Two Glazed Faces, Concrete Blocks *(04 22 23 31-0008)*

04 22 23 31-0010	SF	4" x 8" x 16", Two Glazed Faces, Concrete Block	38.94	
		For Stacked Bond, Add	*3.65*	
		For Curved Wall Application, Add	*2.81*	
		For <10, Small Area Replacements (Individual Areas), Add	*22.93*	
04 22 23 31-0011	SF	6" x 8" x 16", Two Glazed Faces, Concrete Block	40.83	
		For Stacked Bond, Add	*3.93*	
		For Curved Wall Application, Add	*3.02*	
		For <10, Small Area Replacements (Individual Areas), Add	*24.58*	
04 22 23 31-0012	SF	8" x 8" x 16", Two Glazed Faces, Concrete Block	43.51	
		For Stacked Bond, Add	*4.33*	
		For Curved Wall Application, Add	*3.33*	
		For <10, Small Area Replacements (Individual Areas), Add	*27.02*	

04 23 Glass Unit Masonry *(04 20)*

04 23 13 Vertical Glass Unit Masonry *(04 23)*

Note: Includes 1/4" mortar joints and caulking. Excludes joint reinforcement and anchors.

04 23 13 00-0001 Glass Block Unit Masonry *(04 23 13)*

04 23 13 00-0002	SF	6" x 6" x 4" Plain Glass Block	88.39	
		For Solar Reflective (Suntrol) Blocks, Add	*19.60*	
		For Essex (Horizontal Striated) Blocks, Add	*11.20*	
		For Sculptured Or Patterned Blocks, Add	*19.60*	
		For Colored Glass, Add	*56.00*	
		For Thinline Block, Deduct	*-14.00*	
		For >1,000 To 5,000, Deduct	*-6.02*	
		For >5,000, Deduct	*-10.44*	
04 23 13 00-0003	SF	8" x 8" x 4" Plain Glass Block	63.45	
		For Solar Reflective (Suntrol) Blocks, Add	*13.87*	
		For Essex (Horizontal Striated) Blocks, Add	*7.93*	
		For Sculptured Or Patterned Blocks, Add	*13.87*	
		For Colored Glass, Add	*39.64*	
		For Thinline Block, Deduct	*-9.91*	
		For >1,000 To 5,000, Deduct	*-4.35*	
		For >5,000, Deduct	*-7.52*	
04 23 13 00-0004	SF	12" x 12" x 4" Plain Glass Block	72.56	
		For Solar Reflective (Suntrol) Blocks, Add	*17.73*	
		For Essex (Horizontal Striated) Blocks, Add	*10.13*	
		For Sculptured Or Patterned Blocks, Add	*17.73*	
		For Colored Glass, Add	*50.65*	
		For Thinline Block, Deduct	*-12.66*	
		For >1,000 To 5,000, Deduct	*-4.71*	
		For >5,000, Deduct	*-8.34*	

04 23 13 00-0005 Solid Glass Block (Vistabrik®) *(04 23 13)*

04 23 13 00-0006	SF	3" x 8" x 3" Solid Glass Block (Vistabrik®)	926.21
04 23 13 00-0007	SF	4" x 8" x 3" Solid Glass Block (Vistabrik®)	699.87
04 23 13 00-0008	SF	6" x 8" x 3" Solid Glass Block (Vistabrik®)	476.24
04 23 13 00-0009	SF	8" x 8" x 3" Solid Glass Block (Vistabrik®)	333.01

04 40 Stone Assemblies *(04)*

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

Note: Includes pointing and cleaning of new stone and mortar. All stone prices include material and mortar.

04 41 Dry-Placed Stone *(04 40)*

04 41 00 00-0001 Ashlar Veneer, Random Size, Square Cut Rough Stone *(04 41)*

04 41 00 00-0002	SF	4" Thick Ashlar Veneer, Random Size, Square Cut Rough Stone	25.84	7.56
04 41 00 00-0003	SF	6" Thick Ashlar Veneer, Random Size, Square Cut Rough Stone	26.30	7.56

04 42 Exterior Stone Cladding *(04 40)*

04 42 43 Stone Panels for Curtain Walls *(04 42)*

04 42 43 00-0001 Marble Facing Panels *(04 42 43)*

Note: 3' x 1.5'

04 42 43 00-0002	SF	3/4" Thick Marble Facing Panels	59.07	17.24
04 42 43 00-0003	SF	7/8" Thick Marble Facing Panels	61.82	17.47
04 42 43 00-0004	SF	1-1/2" Thick Marble Facing Panels	69.82	17.80
04 42 43 00-0005	SF	2" Thick Marble Facing Panels	75.91	18.36
04 42 43 00-0006	SF	2-1/4" Thick Marble Facing Panels	80.81	19.47
04 42 43 00-0007	CF	Marble Face Panel	327.85	63.43

04 42 43 00-0008 Smooth Limestone Panels *(04 42 43)*

Note: Up to 12' x 5' panels.

04 42 43 00-0009	SF	1-1/2" Thick Smooth Limestone Panels	59.31	34.61
04 42 43 00-0010	SF	2" Thick Smooth Limestone Panels	62.87	36.28
04 42 43 00-0011	SF	3" Thick Smooth Limestone Panels	66.60	37.95
04 42 43 00-0012	SF	4" Thick Smooth Limestone Panels	77.00	41.73

04 42 43 00-0013 Sandstone Panels *(04 42 43)*

04 42 43 00-0014	SF	2-1/2" Thick Sandstone Panels	67.74	36.28
04 42 43 00-0015	SF	4" Thick Sandstone Panels	74.52	41.73
04 42 43 00-0016	SF	Split Face Sandstone Panels, Random Sizes	68.73	41.73

04 43 Stone Masonry *(04 40)*

04 43 16 Stone Fabrications *(04 43)*

04 43 16 00-0001 Marble *(04 43 16)*

04 43 16 00-0002 Marble Base *(04 43 16 00-0001)*

Note: 1" thick.

04 43 16 00-0003	LF	4" High Marble Base	103.33	69.32
04 43 16 00-0004	LF	6" High Marble Base	115.75	75.51

04 43 16 00-0005 Marble Columns *(04 43 16 00-0001)*

04 43 16 00-0006	CF	Plain Faced Solid Marble Columns	239.67	63.43
04 43 16 00-0007	CF	Fluted, Carved Solid Marble Columns	369.22	63.43

04 43 16 00-0008 Marble Flooring *(04 43 16 00-0001)*

04 43 16 00-0009	SF	3/8" Uniform Color Marble Flooring	27.29	15.87
04 43 16 00-0010	SF	1/2" Uniform Color Marble Flooring	28.73	15.87
04 43 16 00-0011	SF	1/2" Travertine Marble Flooring	34.02	18.13

04 43 16 00-0012 Marble Items *(04 43 16 00-0001)*

04 43 16 00-0013	LF	12" Wide Marble Stair Treads	64.35	24.96
04 43 16 00-0014	LF	6" Wide Marble Stair Risers	49.46	20.01
04 43 16 00-0015	LF	6" Wide x 2" Thick Marble Window Sills	31.00	14.84
04 43 16 00-0016	LF	5" Wide x 7/8" Thick Marble Window Stool, Polished	55.19	18.22
04 43 16 00-0017	SF	7/8" Thick, Non-Skid, Marble Patio Blocks	37.31	23.01

04 43 16 00-0018 Limestone *(04 43 16)*

04 43 16 00-0019 Ashlar Veneer Limestone *(04 43 16 00-0018)*

04 43 16 00-0020	SF	4" Ashlar Veneer Limestone, Random Sizes	59.32	24.96
04 43 16 00-0021	SF	6" To 8" Thick, Pitched Face Ashlar Veneer Limestone, Random Sizes	89.82	34.29

04 43 16 00-0022 Limestone Coping *(04 43 16 00-0018)*

Note: Measured from the highest point. Includes drilling into existing materials, caulk and ties.

04 43 16 00-0023	SF	2-1/2" Thick Limestone Coping	28.97	8.91
04 43 16 00-0024	SF	3" Thick Limestone Coping	32.31	9.46
04 43 16 00-0025	SF	3-1/2" Thick Limestone Coping	35.67	10.02
04 43 16 00-0026	SF	4" Thick Limestone Coping	37.90	10.35
04 43 16 00-0027	SF	5" Thick Limestone Coping	43.48	10.57

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 43 16 00-0028	SF	6" Thick Limestone Coping	62.21	11.12
04 43 16 00-0029	CF	>6" Thick Limestone Coping	102.25	22.54
04 43 16 00-0030		Limestone Stair Treads *(04 43 16 00-0018)*		
04 43 16 00-0031	SF	2" Thick Limestone Treads	35.14	8.35
04 43 16 00-0032	SF	2-1/2" Thick Limestone Treads	37.32	8.91
04 43 16 00-0033	SF	3" Thick Limestone Treads	41.66	9.46
04 43 16 00-0034	SF	3-1/2" Thick Limestone Treads	44.91	10.02
04 43 16 00-0035	SF	4" Thick Limestone Treads	48.13	10.02
04 43 16 00-0036	SF	5" Thick Limestone Treads	52.37	10.57
04 43 16 00-0037	SF	6" Thick Limestone Tread, Smooth Finish	71.33	11.12
04 43 16 00-0038		Limestone Items *(04 43 16 00-0018)*		
04 43 16 00-0039	CF	Sawn Edge Limestone Block, Sill, Lintel, Jamb And Other Trim	181.83	84.53
04 43 16 00-0040		Granite *(04 43 16)*		
04 43 16 00-0041		Polished Granite Veneer Facing Panels *(04 43 16 00-0040)*		
		Note: Excludes structural support steel.		
04 43 16 00-0042	SF	7/8" Thick Black Polished Granite Veneer Facing Panels	116.18	34.84
04 43 16 00-0043	SF	7/8" Thick Gray Polished Granite Veneer Facing Panels	105.14	34.84
04 43 16 00-0044		Granite Stair Treads *(04 43 16 00-0040)*		
04 43 16 00-0045	SF	2" Thick Granite Stair Tread	68.20	8.35
04 43 16 00-0046		Slate *(04 43 16)*		
04 43 16 00-0047		Slate Panels Or Sills *(04 43 16 00-0046)*		
04 43 16 00-0048	SF	1" Thick Slate Panels	61.10	34.84
04 43 16 00-0049	SF	2" Thick Slate Panels	70.62	34.84
04 43 16 00-0050		Slate Sills Or Stools *(04 43 16 00-0046)*		
04 43 16 00-0051	LF	6" Wide, 1" Thick Slate Sills Or Stools With Sand Finish	27.70	14.94
04 43 16 00-0052	LF	10" Wide, 1" Thick Slate Sills Or Stools With Sand Finish	33.75	14.94
04 43 16 00-0053	LF	6" Wide, 2" Thick Slate Sills Or Stools With Sand Finish	32.90	14.94
04 43 16 00-0054	LF	10" Wide, 2" Thick Slate Sills Or Stools With Sand Finish	45.88	14.94
04 43 16 00-0055		Slate Stair Treads *(04 43 16 00-0046)*		
04 43 16 00-0056	SF	2" Thick Slate Stair Tread	41.03	8.35

04 50 Refractory Masonry *(04)*

04 51 Flue Liner Masonry *(04 50)*

Note: Includes mortar joints.

04 51 00 00-0001		Rectangular Flue Liners *(04 51)*		
04 51 00 00-0002	VLF	4" x 8" Clay Flue Liners	18.90	
04 51 00 00-0003	VLF	8" x 8" Clay Flue Liners	25.98	
04 51 00 00-0004	VLF	8" x 12" Clay Flue Liners	29.64	
04 51 00 00-0005	VLF	12" x 12" Clay Flue Liners	36.87	
04 51 00 00-0006	VLF	12" x 16" Clay Flue Liners	44.93	
04 51 00 00-0007	VLF	12" x 18" Clay Flue Liners	51.05	
04 51 00 00-0008	VLF	16" x 16" Clay Flue Liners	55.69	
04 51 00 00-0009	VLF	16" x 20" Clay Flue Liners	68.61	
04 51 00 00-0010	VLF	18" x 18" Clay Flue Liners	73.29	
04 51 00 00-0011	VLF	20" x 20" Clay Flue Liners	94.33	
04 51 00 00-0012	VLF	20" x 24" Clay Flue Liners	102.74	
04 51 00 00-0013	VLF	24" x 24" Clay Flue Liners	121.75	
04 51 00 00-0014		Round Flue Liners *(04 51)*		
04 51 00 00-0015	VLF	6" Diameter Clay Flue Liners	45.93	
04 51 00 00-0016	VLF	8" Diameter Clay Flue Liners	66.63	
04 51 00 00-0017	VLF	10" Diameter Clay Flue Liners	87.54	
04 51 00 00-0018	VLF	12" Diameter Clay Flue Liners	106.55	
04 51 00 00-0019	VLF	15" Diameter Clay Flue Liners	130.58	
04 51 00 00-0020	VLF	18" Diameter Clay Flue Liners	141.13	
04 51 00 00-0021	VLF	21" Diameter Clay Flue Liners	180.00	
04 51 00 00-0022	VLF	24" Diameter Clay Flue Liners	220.98	
04 51 00 00-0023	VLF	27" Diameter Clay Flue Liners	255.00	
04 51 00 00-0024	VLF	30" Diameter Clay Flue Liners	290.03	
04 51 00 00-0025	VLF	33" Diameter Clay Flue Liners	304.27	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 51 00 00-0026	VLF	36" Diameter Clay Flue Liners	309.78	
04 51 00 00-0027		**Standard Chimney Block** *(04 51)*		
		Note: Includes refractory mortar. Excludes flue liners.		
04 51 00 00-0028	EA	14" x 14" x 8" Concrete Block Chimney Unit	32.32	
04 51 00 00-0029	EA	14" x 18" x 8" Concrete Block Chimney Unit	35.52	
04 51 00 00-0030	EA	16" x 16" x 8" Concrete Block Chimney Unit	35.74	
04 51 00 00-0031	EA	17" x 17" x 8" Concrete Block Chimney Unit	37.54	
04 51 00 00-0032	EA	16" x 20" x 8" Concrete Block Chimney Unit	39.54	
04 51 00 00-0033	EA	17" x 21" x 8" Concrete Block Chimney Unit	41.71	
04 51 00 00-0034	EA	21" x 21" x 8" Concrete Block Chimney Unit	47.17	

04 70 Manufactured Masonry *(04)*

04 72 Cast Stone Masonry *(04 70)*

04 72 00 00-0001		**Solid Precast Concrete Lintels** *(04 72)*		
04 72 00 00-0002		**Solid Precast Concrete Lintels** *(04 72 00 00-0001)*		
04 72 00 00-0003	LF	4" x 8", Solid Precast Concrete Lintel	17.80	
04 72 00 00-0004	LF	6" x 8", Solid Precast Concrete Lintel	22.88	
04 72 00 00-0005	LF	8" x 8", Solid Precast Concrete Lintel	28.40	
04 72 00 00-0006		**U Shaped Precast Concrete Lintels** *(04 72 00 00-0001)*		
		Note: Excludes concrete fill and field added reinforcing. See CSI section 04 05 16 26-0001 for concrete fill.		
04 72 00 00-0007	LF	6" x 8", U Shaped Precast Concrete Lintel	19.09	
04 72 00 00-0008	LF	8" x 8", U Shaped Precast Concrete Lintel	23.26	
04 72 00 00-0009	LF	12" x 8", U Shaped Precast Concrete Lintel	38.79	
04 72 00 00-0010		**Precast Concrete Coping** *(04 72)*		
		Note: Includes caulk and ties. Excludes drilling into existing materials or other anchoring bolts. See CSI section 04 43 00 00-0000 for stone coping, 07 62 00 00-0000 for metal copings.		
04 72 00 00-0011		**Precast Concrete Coping** *(04 72 00 00-0010)*		
		Note: Measured at highest point.		
04 72 00 00-0012	SF	2" Thick Precast Concrete Coping	53.15	12.21
04 72 00 00-0013	SF	2-1/2" Thick Precast Concrete Coping	59.89	13.15
04 72 00 00-0014	SF	3" Thick Precast Concrete Coping	69.14	14.08
04 72 00 00-0015	SF	3-1/2" Thick Precast Concrete Coping	74.37	15.03
04 72 00 00-0016	SF	4" Thick Precast Concrete Coping	79.66	15.96
04 72 00 00-0017	SF	5" Thick Precast Concrete Coping	94.69	16.91
04 72 00 00-0018	SF	6" Thick Precast Concrete Coping	107.99	17.84
04 72 00 00-0019		**Precast Concrete Window Sills** *(04 72)*		
		Note: Includes caulk and ties.		
04 72 00 00-0020		**Precast Concrete Window Sills** *(04 72 00 00-0019)*		
04 72 00 00-0021	LF	6" Wide Precast Concrete Window Sill	38.92	9.39
04 72 00 00-0022	LF	10" Wide Precast Concrete Window Sill	58.29	9.39
04 72 00 00-0023	LF	14" Wide Precast Concrete Window Sill	68.81	9.39

END OF SECTION 04

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

06 Wood, Plastics, and Composites

06 01 Maintenance of Wood, Plastics, and Composites *(06)*

06 01 10 Maintenance of Rough Carpentry *(06 01)*

06 01 10 91 Rough Carpenty Restoration *(06 01 10)*

06 01 10 91-0001 Roof Beam Restoration *(06 01 10 91)*

06 01 10 91-0002	EA	Up To 5, Roof Beam Restoration And Fill Note: Includes cutting out damaged/rotten wood, filling with wood fiber restore material, and then with two-part epoxy, or polyester bondo, and sanding.	77.55
06 01 10 91-0003	EA	>5 To 25, Roof Beam Restoration And Fill Note: Includes cutting out damaged/rotten wood, filling with wood fiber restore material, and then with two-part epoxy, or polyester bondo, and sanding.	66.74
06 01 10 91-0004	EA	>25, Roof Beam Restoration And Fill Note: Includes cutting out damaged/rotten wood, filling with wood fiber restore material, and then with two-part epoxy, or polyester bondo, and sanding.	55.93

06 01 10 91-0005 Roof Beam Replacement *(06 01 10 91)*

Note: Includes cutting back the rafter beam back 18" and in a zig- zag Z splice cut for purpose of splicing on new end piece. Attached with glue and screwed on with lag screws counter sunk.

06 01 10 91-0006	EA	Up To 5, Roof Beam Replacement, 6" x 12" Beams Note: Includes cutting off damaged/rotten wood, new beams with screws.	171.47
06 01 10 91-0007	EA	>5 To 25, Roof Beam Replacement, 6" x 12" Beams Note: Includes cutting off damaged/rotten wood, new beams with screws.	160.66
06 01 10 91-0008	EA	>25, Roof Beam Replacement, 6" x 12" Beams Note: Includes cutting off damaged/rotten wood, new beams with screws.	149.85
06 01 10 91-0009	EA	Up To 5, Roof Beam Replacement, 4" x 8" Beams Note: Includes cutting off damaged/rotten wood, new beams with screws.	150.91
06 01 10 91-0010	EA	>5 To 25, Roof Beam Replacement, 4" x 8" Beams Note: Includes cutting off damaged/rotten wood, new beams with screws.	140.10
06 01 10 91-0011	EA	>25, Roof Beam Replacement, 4" x 8" Beams Note: Includes cutting off damaged/rotten wood, new beams with screws.	129.28

06 01 10 91-0012 Roof Beam Caps *(06 01 10 91)*

06 01 10 91-0013	EA	4" x 4" Stainless Steel Beam End Cap	32.49
		For Galvanized Steel, Deduct	*-2.67*
06 01 10 91-0014	EA	4" x 6" Stainless Steel Beam End Cap	48.62
		For Galvanized Steel, Deduct	*-4.69*
06 01 10 91-0015	EA	4" x 8" Stainless Steel Beam End Cap	62.66
		For Galvanized Steel, Deduct	*-6.10*
06 01 10 91-0016	EA	6" x 6" Stainless Steel Beam End Cap	56.79
		For Galvanized Steel, Deduct	*-5.36*
06 01 10 91-0017	EA	6" x 12" Stainless Steel Beam End Cap	71.32
		For Galvanized Steel, Deduct	*-6.83*

06 01 10 91-0018 Field Formed Beam Top/End Caps *(06 01 10 91)*

06 01 10 91-0019	SF	24 Gauge, Stainless Steel Field Formed Beam Top/End Cap Note: Includes forming and bending at edges and around end of exposed beam	14.17
06 01 10 91-0020	SF	24 Gauge, Galvanized Steel Field Formed Beam Top/End Cap Note: Includes forming and bending at edges and around end of exposed beam	11.37

06 01 10 91-0021 Historic Restoration For Retexturing Wood Beams *(06 01 10 91)*

06 01 10 91-0022	SF	Retexture Wood Beams To Match Original Historic Appearance Note: Includes: Retexturing wood surface of beams on (3) sides	37.84
06 01 10 91-0023	LF	Retexture 3" X 6" Wood Beams On (3) Sides To Match Original Historic Appearance	47.32

06 01 20 Maintenance of Finish Carpentry *(06 01)*

06 01 20 91 Finish Carpentry Restoration *(06 01 20)*

06 01 20 91-0001 Wood Trim Repair *(06 01 20 91)*

06 01 20 91-0002	SF	Restoration Of Existing Decorative Woodwork Note: Includes stripping to bare wood, filling or patching, stain or paint to match existing.	8.45

06 01 40 Maintenance of Architectural Woodwork *(06 01)*

06 01 40 51 Architectural Woodwork Cleaning *(06 01 40)*

06 01 40 91 Architectural Woodwork Restoration *(06 01 40)*

06 01 40 91-0001 Cabinet Hardware Replacement *(06 01 40 91)*

06 01 40 91-0002	EA	Removal And Replacement Of Concealed, Full Or Half Overlay, Self Closing, Steel Cabinet Hinges	41.48

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 01 40 91-0003	EA	Removal And Replacement Of Semi-Concealed, Brass Cabinet Hinges		41.90	

06 05 Common Work Results for Wood, Plastics, and Composites *(06)*

06 05 23 Wood, Plastic, and Composite Fastenings *(06 05)*

Note: For additional fasteners above normal conditions, for replacing existing fasteners, for relocating existing materials or fixtures, or for different fasteners required due to load limits on standard fasteners.

06 05 23 00-0001 Threaded Anchor Bolts *(06 05 23)*

Note: Threaded on two ends with two nuts and flat washers.

06 05 23 00-0002	EA	1/2" Diameter x 4" Long, Threaded Anchor Bolt		15.50	
		For >10 To 50, Deduct		*-0.39*	
		For >50 To 100, Deduct		*-0.98*	
		For >100 To 250, Deduct		*-1.96*	
		For >250 To 500, Deduct		*-3.33*	
		For >500, Deduct		*-4.70*	
06 05 23 00-0003	EA	1/2" Diameter x 7-1/2" Long, Threaded Anchor Bolt		21.85	
		For >10 To 50, Deduct		*-0.42*	
		For >50 To 100, Deduct		*-1.18*	
		For >100 To 250, Deduct		*-2.37*	
		For >250 To 500, Deduct		*-3.97*	
		For >500, Deduct		*-5.58*	
06 05 23 00-0004	EA	3/4" Diameter x 7-1/2" Long, Threaded Anchor Bolt		24.42	
		For >10 To 50, Deduct		*-0.42*	
		For >50 To 100, Deduct		*-1.25*	
		For >100 To 250, Deduct		*-2.49*	
		For >250 To 500, Deduct		*-4.17*	
		For >500, Deduct		*-5.84*	
06 05 23 00-0005	EA	3/4" Diameter x 12" Long, Threaded Anchor Bolt		51.60	
		For >10 To 50, Deduct		*-0.58*	
		For >50 To 100, Deduct		*-2.16*	
		For >100 To 250, Deduct		*-4.32*	
		For >250 To 500, Deduct		*-7.07*	
		For >500, Deduct		*-9.81*	

06 05 23 00-0006 Framing Anchors *(06 05 23)*

Note: Including nails.

06 05 23 00-0007	EA	1-7/16" x 2-1/2", 18 Gauge, Galvanized Framing Angle Anchor (Simpson Strong Tie® A34)		7.00	3.31
		For >10 To 50, Deduct		*-0.32*	
		For >50 To 100, Deduct		*-0.65*	
		For >100 To 250, Deduct		*-1.30*	
		For >250 To 500, Deduct		*-2.26*	
		For >500, Deduct		*-3.22*	
06 05 23 00-0008	EA	1-7/16" x 4-1/2", 18 Gauge, Galvanized Framing Angle Anchor (Simpson Strong Tie® A35)		7.82	3.64
		For >10 To 50, Deduct		*-0.35*	
		For >50 To 100, Deduct		*-0.73*	
		For >100 To 250, Deduct		*-1.45*	
		For >250 To 500, Deduct		*-2.54*	
		For >500, Deduct		*-3.62*	

06 05 23 00-0009 Angle Anchors *(06 05 23)*

Note: Including nails.

06 05 23 00-0010	EA	2" x 1-1/2" x 1-3/8" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A21)		7.09	3.31
		For >10 To 50, Deduct		*-0.32*	
		For >50 To 100, Deduct		*-0.65*	
		For >100 To 250, Deduct		*-1.30*	
		For >250 To 500, Deduct		*-2.26*	
		For >500, Deduct		*-3.23*	
06 05 23 00-0011	EA	2" x 1-1/2" x 2-3/4" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A23)		7.79	3.53
		For >10 To 50, Deduct		*-0.34*	
		For >50 To 100, Deduct		*-0.70*	
		For >100 To 250, Deduct		*-1.40*	
		For >250 To 500, Deduct		*-2.44*	
		For >500, Deduct		*-3.47*	
06 05 23 00-0012	EA	3-7/8" x 2" x 2-1/2" Wide, 12 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A24)		13.51	3.64
		For >10 To 50, Deduct		*-0.35*	
		For >50 To 100, Deduct		*-0.87*	
		For >100 To 250, Deduct		*-1.74*	
		For >250 To 500, Deduct		*-2.96*	
		For >500, Deduct		*-4.19*	
06 05 23 00-0013	EA	3" x 3" x 1-1/2" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A33)		12.15	3.64
		For >10 To 50, Deduct		*-0.35*	
		For >50 To 100, Deduct		*-0.84*	
		For >100 To 250, Deduct		*-1.67*	
		For >250 To 500, Deduct		*-2.86*	
		For >500, Deduct		*-4.05*	
06 05 23 00-0014	EA	4-9/16" x 4-9/16" x 1-1/2" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A44)		13.28	4.09
		For >10 To 50, Deduct		*-0.39*	
		For >50 To 100, Deduct		*-0.92*	
		For >100 To 250, Deduct		*-1.84*	
		For >250 To 500, Deduct		*-3.14*	
		For >500, Deduct		*-4.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0015	EA	5-7/8" x 5-7/8" x 1-1/2" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A66)	15.07	4.30
		For >10 To 50, Deduct	*-0.42*	
		For >50 To 100, Deduct	*-1.01*	
		For >100 To 250, Deduct	*-2.01*	
		For >250 To 500, Deduct	*-3.44*	
		For >500, Deduct	*-4.87*	

06 05 23 00-0016 Reinforcing Angle Wood Construction Connectors *(06 05 23)*

Note: Including nails.

06 05 23 00-0017	EA	3" x 3-3/4", 16 Gauge, Galvanized Reinforcing Angle Wood Construction Connectors (Simpson Strong Tie® L30)	7.81	3.09
		For >10 To 50, Deduct	*-0.32*	
		For >50 To 100, Deduct	*-0.67*	
		For >100 To 250, Deduct	*-1.34*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-3.30*	
06 05 23 00-0018	EA	5" x 3-3/4", 16 Gauge, Galvanized Reinforcing Angle Wood Construction Connectors (Simpson Strong Tie® L50)	9.67	3.31
		For >10 To 50, Deduct	*-0.33*	
		For >50 To 100, Deduct	*-0.74*	
		For >100 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-2.56*	
		For >500, Deduct	*-3.64*	
06 05 23 00-0019	EA	7" x 3-3/4", 16 Gauge, Galvanized Reinforcing Angle Wood Construction Connectors (Simpson Strong Tie® L70)	11.02	3.42
		For >10 To 50, Deduct	*-0.35*	
		For >50 To 100, Deduct	*-0.79*	
		For >100 To 250, Deduct	*-1.59*	
		For >250 To 500, Deduct	*-2.72*	
		For >500, Deduct	*-3.86*	
06 05 23 00-0020	EA	9" x 3-3/4", 16 Gauge, Galvanized Reinforcing Angle Wood Construction Connectors (Simpson Strong Tie® L90)	12.24	3.53
		For >10 To 50, Deduct	*-0.36*	
		For >50 To 100, Deduct	*-0.85*	
		For >100 To 250, Deduct	*-1.70*	
		For >250 To 500, Deduct	*-2.91*	
		For >500, Deduct	*-4.12*	
06 05 23 00-0021	EA	3-3/8" x 3-3/4", 18 Gauge, Galvanized Reinforcing Skewable Angle Wood Construction Connectors (Simpson Strong Tie® LS30)	8.54	3.09
		For >10 To 50, Deduct	*-0.32*	
		For >50 To 100, Deduct	*-0.69*	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-2.37*	
		For >500, Deduct	*-3.37*	
06 05 23 00-0022	EA	4-7/8" x 3-3/4", 18 Gauge, Galvanized Reinforcing Skewable Angle Wood Construction Connectors (Simpson Strong Tie® LS50)	9.42	3.31
		For >10 To 50, Deduct	*-0.33*	
		For >50 To 100, Deduct	*-0.74*	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-2.54*	
		For >500, Deduct	*-3.61*	
06 05 23 00-0023	EA	6-3/8" x 3-3/4", 18 Gauge, Galvanized Reinforcing Skewable Angle Wood Construction Connectors (Simpson Strong Tie® LS70)	10.96	3.42
		For >10 To 50, Deduct	*-0.35*	
		For >50 To 100, Deduct	*-0.79*	
		For >100 To 250, Deduct	*-1.58*	
		For >250 To 500, Deduct	*-2.72*	
		For >500, Deduct	*-3.86*	
06 05 23 00-0024	EA	7-7/8" x 3-3/4", 18 Gauge, Galvanized Reinforcing Skewable Angle Wood Construction Connectors (Simpson Strong Tie® LS90)	13.02	3.53
		For >10 To 50, Deduct	*-0.36*	
		For >50 To 100, Deduct	*-0.87*	
		For >100 To 250, Deduct	*-1.74*	
		For >250 To 500, Deduct	*-2.97*	
		For >500, Deduct	*-4.20*	

06 05 23 00-0025 Hold Down Anchors *(06 05 23)*

Note: Including nails.

06 05 23 00-0026	EA	8-5/8" High x 2-1/2" Wide x 2-1/4" Deep, 12 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD3B)	56.69	
		For >10 To 50, Deduct	*-1.71*	
		For >50 To 100, Deduct	*-3.98*	
		For >100 To 250, Deduct	*-7.96*	
		For >250 To 500, Deduct	*-13.66*	
		For >500, Deduct	*-19.35*	
06 05 23 00-0027	EA	9-3/8" High x 2-1/2" Wide x 2-1/2" Deep, 10 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD5B)	79.52	
		For >10 To 50, Deduct	*-1.77*	
		For >50 To 100, Deduct	*-4.64*	
		For >100 To 250, Deduct	*-9.27*	
		For >250 To 500, Deduct	*-15.67*	
		For >500, Deduct	*-22.08*	
06 05 23 00-0028	EA	12-3/8" High x 2-1/2" Wide x 2-1/2" Deep, 10 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD7B)	98.14	
		For >10 To 50, Deduct	*-1.88*	
		For >50 To 100, Deduct	*-5.27*	
		For >100 To 250, Deduct	*-10.54*	
		For >250 To 500, Deduct	*-17.68*	
		For >500, Deduct	*-24.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0029	EA	14" High x 2-1/2" Wide x 2-1/2" Deep, 7 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD9B)	115.84	
		For >10 To 50, Deduct	*-2.10*	
		For >50 To 100, Deduct	*-6.04*	
		For >100 To 250, Deduct	*-12.08*	
		For >250 To 500, Deduct	*-20.22*	
		For >500, Deduct	*-28.35*	
06 05 23 00-0030	EA	20-5/16" High x 3-1/2" Wide x 4-1/2" Deep, 3 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD12)	187.79	
		For >10 To 50, Deduct	*-2.65*	
		For >50 To 100, Deduct	*-8.67*	
		For >100 To 250, Deduct	*-17.33*	
		For >250 To 500, Deduct	*-28.65*	
		For >500, Deduct	*-39.96*	
06 05 23 00-0031	EA	24-1/2" High x 3-1/2" Wide x 4-1/2" Deep, 3 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD19)	253.08	
		For >10 To 50, Deduct	*-2.76*	
		For >50 To 100, Deduct	*-10.46*	
		For >100 To 250, Deduct	*-20.93*	
		For >250 To 500, Deduct	*-34.15*	
		For >500, Deduct	*-47.38*	
06 05 23 00-0032	EA	8-11/16" Height x 3" Wide x 3-1/4" Deep, 14 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU2-SDS2.5)	66.80	
		For >10 To 50, Deduct	*-1.71*	
		For >50 To 100, Deduct	*-4.24*	
		For >100 To 250, Deduct	*-8.47*	
		For >250 To 500, Deduct	*-14.42*	
		For >500, Deduct	*-20.36*	
06 05 23 00-0033	EA	10-15/16" Height x 3" Wide x 3-1/4" Deep, 14 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU4-SDS2.5)	73.94	
		For >10 To 50, Deduct	*-1.77*	
		For >50 To 100, Deduct	*-4.50*	
		For >100 To 250, Deduct	*-8.99*	
		For >250 To 500, Deduct	*-15.26*	
		For >500, Deduct	*-21.52*	
06 05 23 00-0034	EA	13-3/16" Height x 3" Wide x 3-1/4" Deep, 14 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU5-SDS2.5)	82.84	
		For >10 To 50, Deduct	*-1.88*	
		For >50 To 100, Deduct	*-4.89*	
		For >100 To 250, Deduct	*-9.77*	
		For >250 To 500, Deduct	*-16.53*	
		For >500, Deduct	*-23.29*	
06 05 23 00-0035	EA	16-5/8" Height x 3" Wide x 3-1/2" Deep, 10 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU8-SDS2.5)	102.31	
		For >10 To 50, Deduct	*-2.10*	
		For >50 To 100, Deduct	*-5.70*	
		For >100 To 250, Deduct	*-11.40*	
		For >250 To 500, Deduct	*-19.20*	
		For >500, Deduct	*-27.00*	
06 05 23 00-0036	EA	22-1/4" Height x 3" Wide x 3-1/2" Deep, 10 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU11-SDS2.5)	131.77	
		For >10 To 50, Deduct	*-2.65*	
		For >50 To 100, Deduct	*-7.27*	
		For >100 To 250, Deduct	*-14.53*	
		For >250 To 500, Deduct	*-24.45*	
		For >500, Deduct	*-34.36*	
06 05 23 00-0037	EA	25-11/16" Height x 3" Wide x 3-1/2" Deep, 7 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU14-SDS2.5)	147.24	
		For >10 To 50, Deduct	*-2.76*	
		For >50 To 100, Deduct	*-7.82*	
		For >100 To 250, Deduct	*-15.64*	
		For >250 To 500, Deduct	*-26.21*	
		For >500, Deduct	*-36.79*	

06 05 23 00-0038 Joist And Beam Hangers *(06 05 23)*

Note: Including nails.

06 05 23 00-0039	EA	18 Gauge, Galvanized Joist Hanger, For 2" x 4" Joist Also Acceptable For Beam Hangers (Simpson Strong Tie® LU24)	7.46	3.09
		For >10 To 50, Deduct	*-0.32*	
		For >50 To 100, Deduct	*-0.66*	
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-3.27*	
06 05 23 00-0040	EA	18 Gauge, Galvanized Joist Hanger, For 2" x 6" To 2" x 10" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® LU28)	8.31	3.31
		For >10 To 50, Deduct	*-0.33*	
		For >50 To 100, Deduct	*-0.71*	
		For >100 To 250, Deduct	*-1.42*	
		For >250 To 500, Deduct	*-2.46*	
		For >500, Deduct	*-3.50*	
06 05 23 00-0041	EA	16 Gauge, Galvanized Joist Hanger, For 3" x 6" To 3" x 9" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® LUS36)	11.69	3.42
		For >10 To 50, Deduct	*-0.35*	
		For >50 To 100, Deduct	*-0.81*	
		For >100 To 250, Deduct	*-1.62*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0042	EA	16 Gauge, Galvanized Joist Hanger, For 3" x 10" To 3" x 14" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® LUS310)	12.72	3.53
		For >10 To 50, Deduct	*-0.36*	
		For >50 To 100, Deduct	*-0.86*	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.95*	
		For >500, Deduct	*-4.17*	
06 05 23 00-0043	EA	14 Gauge, Galvanized Joist Hanger, For 4" x 6" To 4" x 8" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® HUS46)	19.49	3.75
		For >10 To 50, Deduct	*-0.37*	
		For >50 To 100, Deduct	*-1.05*	
		For >100 To 250, Deduct	*-2.09*	
		For >250 To 500, Deduct	*-3.51*	
		For >500, Deduct	*-4.93*	
06 05 23 00-0044	EA	14 Gauge, Galvanized Joist Hanger, For 4" x 10" To 4" x 14" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® HUS412)	23.23	3.87
		For >10 To 50, Deduct	*-0.38*	
		For >50 To 100, Deduct	*-1.15*	
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-3.84*	
		For >500, Deduct	*-5.38*	
06 05 23 00-0045		**Anchor And Ties** *(06 05 23)*		
		Note: Including nails.		
06 05 23 00-0046	EA	12-3/8" Long, 11 Gauge, Galvanized Heavy Tension Tie (Simpson Strong Tie® HTT4)	35.51	
		Note: Includes nails. Excludes anchor bolt.		
06 05 23 00-0047	EA	16" Long, 11 Gauge, Galvanized Heavy Tension Tie (Simpson Strong Tie® HTT5)	44.00	
		Note: Includes nails. Excludes anchor bolt.		
06 05 23 00-0048	EA	16 Gauge, Zinc Galvanized Finish Mudsill Anchor (Simpson Strong Tie® MASAZ)	4.69	
06 05 23 00-0049	EA	16 Gauge, Zinc Galvanized Finish Mudsill Anchor (Simpson Strong Tie® MASBZ)	5.28	
06 05 23 00-0050		**Hurricane Ties** *(06 05 23)*		
06 05 23 00-0051	EA	6" x 1-3/8" Wide, 18 Gauge, Galvanized Finish Hurricane Ties (Simpson Strong Tie® H2.5A)	8.16	3.42
		For >10 To 50, Deduct	*-0.38*	
		For >50 To 100, Deduct	*-0.77*	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.86*	
06 05 23 00-0052	EA	6" x 1-3/8" Wide, 18 Gauge, Zinc Galvanized Finish Hurricane Ties (Simpson Strong Tie® H2.5AZ)	2.97	
06 05 23 00-0053	EA	6" x 1-3/8" Wide, 18 Gauge, Stainless Steel Hurricane Ties (Simpson Strong Tie® H2.5ASS)	8.08	
06 05 23 00-0054	EA	10-7/16" x 1-1/2" Wide, 18 Gauge, Galvanized Finish Hurricane Ties (Simpson Strong Tie® H2A)	10.06	3.42
		For >10 To 50, Deduct	*-0.38*	
		For >50 To 100, Deduct	*-0.82*	
		For >100 To 250, Deduct	*-1.64*	
		For >250 To 500, Deduct	*-2.85*	
		For >500, Deduct	*-4.05*	
06 05 23 00-0055	EA	19-3/16" x 2-1/4" Wide, 18 Gauge, Galvanized Finish Hurricane Ties (Simpson Strong Tie® H6)	16.91	
06 05 23 00-0056		**Post Column Bases** *(06 05 23)*		
		Note: Including nails.		
06 05 23 00-0057	EA	Adjustable And Standoff 4" x 4" Post Base, With Bolts (Simpson Strong Tie® ABA44)	33.18	
06 05 23 00-0058	EA	Adjustable And Standoff 4" x 6" Post Base, With Bolts (Simpson Strong Tie® ABA46)	50.44	
06 05 23 00-0059	EA	Adjustable And Standoff 6" x 6" Post Base, With Bolts (Simpson Strong Tie® ABA66)	51.92	
06 05 23 00-0060		**Post Column Caps** *(06 05 23)*		
		Note: Including nails.		
06 05 23 00-0061	EA	4" Beam, 4" Post Flange, 18 Gauge, Galvanized Post Cap (Simpson Strong Tie® BC4)	17.30	3.87
		For >10 To 50, Deduct	*-0.42*	
		For >50 To 100, Deduct	*-1.07*	
		For >100 To 250, Deduct	*-2.14*	
		For >250 To 500, Deduct	*-3.63*	
		For >500, Deduct	*-5.13*	
06 05 23 00-0062	EA	6" Beam, 6" Post Flange, 18 Gauge, Galvanized Post Cap (Simpson Strong Tie® BC6)	38.15	3.87
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-1.63*	
		For >100 To 250, Deduct	*-3.25*	
		For >250 To 500, Deduct	*-5.33*	
		For >500, Deduct	*-7.40*	
06 05 23 00-0063	EA	3-1/8" Beam, 4" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC3 1/4-4)	190.27	
		Note: Excludes field welding		
		For >10 To 50, Deduct	*-1.10*	
		For >50 To 100, Deduct	*-6.41*	
		For >100 To 250, Deduct	*-12.82*	
		For >250 To 500, Deduct	*-20.34*	
		For >500, Deduct	*-27.85*	
		For Hot Dipped Galvanized, Add	*75.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0064	EA	3-1/8" Beam, 6" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC3 1/4-6)	198.98	
		For >10 To 50, Deduct	*-1.24*	
		For >50 To 100, Deduct	*-6.84*	
		For >100 To 250, Deduct	*-13.67*	
		For >250 To 500, Deduct	*-21.75*	
		For >500, Deduct	*-29.83*	
		For Hot Dipped Galvanized, Add	*78.37*	
06 05 23 00-0065	EA	4" Beam, 4" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC44) Note: Excludes field welding	122.88	
		For >10 To 50, Deduct	*-1.10*	
		For >50 To 100, Deduct	*-4.73*	
		For >100 To 250, Deduct	*-9.45*	
		For >250 To 500, Deduct	*-15.28*	
		For >500, Deduct	*-21.11*	
		For Hot Dipped Galvanized, Add	*45.37*	
06 05 23 00-0066	EA	4" Beam, 6" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC46)	194.88	
		For >10 To 50, Deduct	*-1.24*	
		For >50 To 100, Deduct	*-6.73*	
		For >100 To 250, Deduct	*-13.47*	
		For >250 To 500, Deduct	*-21.44*	
		For >500, Deduct	*-29.42*	
		For Hot Dipped Galvanized, Add	*76.53*	
06 05 23 00-0067	EA	4" Beam, 8" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC48) Note: Excludes field welding	203.73	
		For >10 To 50, Deduct	*-1.24*	
		For >50 To 100, Deduct	*-6.95*	
		For >100 To 250, Deduct	*-13.91*	
		For >250 To 500, Deduct	*-22.11*	
		For >500, Deduct	*-30.30*	
		For Hot Dipped Galvanized, Add	*80.51*	
06 05 23 00-0068	EA	6" Beam, 4" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC64)	208.17	
		For >10 To 50, Deduct	*-1.19*	
		For >50 To 100, Deduct	*-6.98*	
		For >100 To 250, Deduct	*-13.97*	
		For >250 To 500, Deduct	*-22.14*	
		For >500, Deduct	*-30.31*	
		For Hot Dipped Galvanized, Add	*83.00*	
06 05 23 00-0069	EA	6" Beam, 6" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC66)	210.37	
		For >10 To 50, Deduct	*-1.30*	
		For >50 To 100, Deduct	*-7.20*	
		For >100 To 250, Deduct	*-14.41*	
		For >250 To 500, Deduct	*-22.91*	
		For >500, Deduct	*-31.41*	
		For Hot Dipped Galvanized, Add	*83.00*	
06 05 23 00-0070	EA	6" Beam, 8" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC68)	210.37	
		For >10 To 50, Deduct	*-1.30*	
		For >50 To 100, Deduct	*-7.20*	
		For >100 To 250, Deduct	*-14.41*	
		For >250 To 500, Deduct	*-22.91*	
		For >500, Deduct	*-31.41*	
		For Hot Dipped Galvanized, Add	*83.00*	
06 05 23 00-0071	EA	5-1/8" Beam, 4" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC5 1/4-4)	242.89	
		For >10 To 50, Deduct	*-1.19*	
		For >50 To 100, Deduct	*-7.85*	
		For >100 To 250, Deduct	*-15.70*	
		For >250 To 500, Deduct	*-24.74*	
		For >500, Deduct	*-33.78*	
		For Hot Dipped Galvanized, Add	*98.62*	
06 05 23 00-0072	EA	5-1/8" Beam, 6" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC5 1/4-6)	245.09	
		For >10 To 50, Deduct	*-1.30*	
		For >50 To 100, Deduct	*-8.07*	
		For >100 To 250, Deduct	*-16.14*	
		For >250 To 500, Deduct	*-25.51*	
		For >500, Deduct	*-34.88*	
		For Hot Dipped Galvanized, Add	*98.62*	
06 05 23 00-0073	EA	5-1/8" Beam, 8" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC5 1/4-8)	245.09	
		For >10 To 50, Deduct	*-1.30*	
		For >50 To 100, Deduct	*-8.07*	
		For >100 To 250, Deduct	*-16.14*	
		For >250 To 500, Deduct	*-25.51*	
		For >500, Deduct	*-34.88*	
		For Hot Dipped Galvanized, Add	*98.62*	
06 05 23 00-0074	EA	8" Beam, 4" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC84)	296.66	
		For >10 To 50, Deduct	*-1.19*	
		For >50 To 100, Deduct	*-9.20*	
		For >100 To 250, Deduct	*-18.39*	
		For >250 To 500, Deduct	*-28.78*	
		For >500, Deduct	*-39.16*	
		For Hot Dipped Galvanized, Add	*122.82*	
06 05 23 00-0075	EA	8" Beam, 6" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC86)	298.86	
		For >10 To 50, Deduct	*-1.30*	
		For >50 To 100, Deduct	*-9.42*	
		For >100 To 250, Deduct	*-18.83*	
		For >250 To 500, Deduct	*-29.55*	
		For >500, Deduct	*-40.26*	
		For Hot Dipped Galvanized, Add	*122.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0076	EA	8" Beam, 8" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC88)	298.86	
		For >10 To 50, Deduct	*-1.30*	
		For >50 To 100, Deduct	*-9.42*	
		For >100 To 250, Deduct	*-18.83*	
		For >250 To 500, Deduct	*-29.55*	
		For >500, Deduct	*-40.26*	
		For Hot Dipped Galvanized, Add	*122.82*	
06 05 23 00-0077	EA	3-1/8" Beam, 4" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC3 1/4-4) Note: Excludes field welding	190.27	
		For >10 To 50, Deduct	*-1.10*	
		For >50 To 100, Deduct	*-6.41*	
		For >100 To 250, Deduct	*-12.82*	
		For >250 To 500, Deduct	*-20.34*	
		For >500, Deduct	*-27.85*	
		For Hot Dipped Galvanized, Add	*75.69*	
06 05 23 00-0078	EA	3-1/8" Beam, 6" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC3 1/4-6)	198.98	
		For >10 To 50, Deduct	*-1.24*	
		For >50 To 100, Deduct	*-6.84*	
		For >100 To 250, Deduct	*-13.67*	
		For >250 To 500, Deduct	*-21.75*	
		For >500, Deduct	*-29.83*	
		For Hot Dipped Galvanized, Add	*78.37*	
06 05 23 00-0079	EA	4" Beam, 4" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC44) Note: Excludes field welding	122.88	
		For >10 To 50, Deduct	*-1.10*	
		For >50 To 100, Deduct	*-4.73*	
		For >100 To 250, Deduct	*-9.45*	
		For >250 To 500, Deduct	*-15.28*	
		For >500, Deduct	*-21.11*	
		For Hot Dipped Galvanized, Add	*45.37*	
06 05 23 00-0080	EA	4" Beam, 6" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC46)	194.88	
		For >10 To 50, Deduct	*-1.24*	
		For >50 To 100, Deduct	*-6.73*	
		For >100 To 250, Deduct	*-13.47*	
		For >250 To 500, Deduct	*-21.44*	
		For >500, Deduct	*-29.42*	
		For Hot Dipped Galvanized, Add	*76.53*	
06 05 23 00-0081	EA	4" Beam, 8" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC48) Note: Excludes field welding	203.73	
		For >10 To 50, Deduct	*-1.24*	
		For >50 To 100, Deduct	*-6.95*	
		For >100 To 250, Deduct	*-13.91*	
		For >250 To 500, Deduct	*-22.11*	
		For >500, Deduct	*-30.30*	
		For Hot Dipped Galvanized, Add	*80.51*	
06 05 23 00-0082	EA	6" Beam, 4" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC64)	208.17	
		For >10 To 50, Deduct	*-1.19*	
		For >50 To 100, Deduct	*-6.98*	
		For >100 To 250, Deduct	*-13.97*	
		For >250 To 500, Deduct	*-22.14*	
		For >500, Deduct	*-30.31*	
		For Hot Dipped Galvanized, Add	*83.00*	
06 05 23 00-0083	EA	6" Beam, 6" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC66)	210.37	
		For >10 To 50, Deduct	*-1.30*	
		For >50 To 100, Deduct	*-7.20*	
		For >100 To 250, Deduct	*-14.41*	
		For >250 To 500, Deduct	*-22.91*	
		For >500, Deduct	*-31.41*	
		For Hot Dipped Galvanized, Add	*83.00*	
06 05 23 00-0084	EA	6" Beam, 8" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC68)	210.37	
		For >10 To 50, Deduct	*-1.30*	
		For >50 To 100, Deduct	*-7.20*	
		For >100 To 250, Deduct	*-14.41*	
		For >250 To 500, Deduct	*-22.91*	
		For >500, Deduct	*-31.41*	
		For Hot Dipped Galvanized, Add	*83.00*	
06 05 23 00-0085	EA	5-1/8" Beam, 4" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC5 1/4-4)	242.89	
		For >10 To 50, Deduct	*-1.19*	
		For >50 To 100, Deduct	*-7.85*	
		For >100 To 250, Deduct	*-15.70*	
		For >250 To 500, Deduct	*-24.74*	
		For >500, Deduct	*-33.78*	
		For Hot Dipped Galvanized, Add	*98.62*	
06 05 23 00-0086	EA	5-1/8" Beam, 6" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC5 1/4-6)	245.09	
		For >10 To 50, Deduct	*-1.30*	
		For >50 To 100, Deduct	*-8.07*	
		For >100 To 250, Deduct	*-16.14*	
		For >250 To 500, Deduct	*-25.51*	
		For >500, Deduct	*-34.88*	
		For Hot Dipped Galvanized, Add	*98.62*	
06 05 23 00-0087	EA	5-1/8" Beam, 8" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC5 1/4-8)	245.09	
		For >10 To 50, Deduct	*-1.30*	
		For >50 To 100, Deduct	*-8.07*	
		For >100 To 250, Deduct	*-16.14*	
		For >250 To 500, Deduct	*-25.51*	
		For >500, Deduct	*-34.88*	
		For Hot Dipped Galvanized, Add	*98.62*	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0088	EA	8" Beam, 4" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC84)	296.66	
		For >10 To 50, Deduct	*-1.19*	
		For >50 To 100, Deduct	*-9.20*	
		For >100 To 250, Deduct	*-18.39*	
		For >250 To 500, Deduct	*-28.78*	
		For >500, Deduct	*-39.16*	
		For Hot Dipped Galvanized, Add	*122.82*	
06 05 23 00-0089	EA	8" Beam, 6" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC86)	298.86	
		For >10 To 50, Deduct	*-1.30*	
		For >50 To 100, Deduct	*-9.42*	
		For >100 To 250, Deduct	*-18.83*	
		For >250 To 500, Deduct	*-29.55*	
		For >500, Deduct	*-40.26*	
		For Hot Dipped Galvanized, Add	*122.82*	
06 05 23 00-0090	EA	8" Beam, 8" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC88)	298.86	
		For >10 To 50, Deduct	*-1.30*	
		For >50 To 100, Deduct	*-9.42*	
		For >100 To 250, Deduct	*-18.83*	
		For >250 To 500, Deduct	*-29.55*	
		For >500, Deduct	*-40.26*	
		For Hot Dipped Galvanized, Add	*122.82*	
06 05 23 00-0091		**Rafter Connectors** *(06 05 23)*		
06 05 23 00-0092	EA	Galvanized Rigid Rafter Connector, For 2" x 6" (Simpson Strong Tie® RR)	9.77	3.42
		For >10 To 50, Deduct	*-0.38*	
		For >50 To 100, Deduct	*-0.82*	
		For >100 To 250, Deduct	*-1.63*	
		For >250 To 500, Deduct	*-2.83*	
		For >500, Deduct	*-4.02*	
06 05 23 00-0093		**Bolts And Fasteners** *(06 05 23)*		
06 05 23 00-0094		**Carriage Bolts** *(06 05 23 00-0093)*		
		Note: Includes drilling of holes in any material. Includes nut and washer.		
06 05 23 00-0095		**Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolts** *(06 05 23 00-0094)*		
06 05 23 00-0096	EA	1/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	14.78	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.45*	
		For >100 To 250, Deduct	*-2.89*	
		For >250 To 500, Deduct	*-5.05*	
		For >500, Deduct	*-7.21*	
06 05 23 00-0097	EA	1/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	14.98	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.45*	
		For >100 To 250, Deduct	*-2.90*	
		For >250 To 500, Deduct	*-5.07*	
		For >500, Deduct	*-7.23*	
06 05 23 00-0098	EA	1/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	15.10	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.45*	
		For >100 To 250, Deduct	*-2.91*	
		For >250 To 500, Deduct	*-5.08*	
		For >500, Deduct	*-7.25*	
06 05 23 00-0099	EA	1/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	17.66	
		For >10 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-1.68*	
		For >100 To 250, Deduct	*-3.37*	
		For >250 To 500, Deduct	*-5.88*	
		For >500, Deduct	*-8.39*	
06 05 23 00-0100	EA	3/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	16.41	
		For >10 To 50, Deduct	*-0.77*	
		For >50 To 100, Deduct	*-1.57*	
		For >100 To 250, Deduct	*-3.14*	
		For >250 To 500, Deduct	*-5.48*	
		For >500, Deduct	*-7.82*	
06 05 23 00-0101	EA	3/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	17.83	
		For >10 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-1.69*	
		For >100 To 250, Deduct	*-3.37*	
		For >250 To 500, Deduct	*-5.89*	
		For >500, Deduct	*-8.40*	
06 05 23 00-0102	EA	3/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	18.14	
		For >10 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-1.69*	
		For >100 To 250, Deduct	*-3.39*	
		For >250 To 500, Deduct	*-5.91*	
		For >500, Deduct	*-8.43*	
06 05 23 00-0103	EA	3/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	21.68	
		For >10 To 50, Deduct	*-0.99*	
		For >50 To 100, Deduct	*-2.03*	
		For >100 To 250, Deduct	*-4.06*	
		For >250 To 500, Deduct	*-7.09*	
		For >500, Deduct	*-10.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0104	EA	3/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	23.72	
		For >10 To 50, Deduct	*-1.05*	
		For >50 To 100, Deduct	*-2.17*	
		For >100 To 250, Deduct	*-4.33*	
		For >250 To 500, Deduct	*-7.55*	
		For >500, Deduct	*-10.76*	
06 05 23 00-0105	EA	3/8" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	26.86	
		For >10 To 50, Deduct	*-1.16*	
		For >50 To 100, Deduct	*-2.41*	
		For >100 To 250, Deduct	*-4.82*	
		For >250 To 500, Deduct	*-8.39*	
		For >500, Deduct	*-11.95*	
06 05 23 00-0106	EA	1/2" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	18.49	
		For >10 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-1.70*	
		For >100 To 250, Deduct	*-3.41*	
		For >250 To 500, Deduct	*-5.94*	
		For >500, Deduct	*-8.47*	
06 05 23 00-0107	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	20.41	
		For >10 To 50, Deduct	*-0.88*	
		For >50 To 100, Deduct	*-1.83*	
		For >100 To 250, Deduct	*-3.67*	
		For >250 To 500, Deduct	*-6.39*	
		For >500, Deduct	*-9.11*	
06 05 23 00-0108	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	21.76	
		For >10 To 50, Deduct	*-0.94*	
		For >50 To 100, Deduct	*-1.95*	
		For >100 To 250, Deduct	*-3.90*	
		For >250 To 500, Deduct	*-6.79*	
		For >500, Deduct	*-9.68*	
06 05 23 00-0109	EA	1/2" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	24.42	
		For >10 To 50, Deduct	*-1.05*	
		For >50 To 100, Deduct	*-2.18*	
		For >100 To 250, Deduct	*-4.37*	
		For >250 To 500, Deduct	*-7.60*	
		For >500, Deduct	*-10.83*	
06 05 23 00-0110	EA	1/2" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	28.81	
		For >10 To 50, Deduct	*-1.21*	
		For >50 To 100, Deduct	*-2.54*	
		For >100 To 250, Deduct	*-5.08*	
		For >250 To 500, Deduct	*-8.84*	
		For >500, Deduct	*-12.59*	
06 05 23 00-0111	EA	1/2" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	32.48	
		For >10 To 50, Deduct	*-1.32*	
		For >50 To 100, Deduct	*-2.80*	
		For >100 To 250, Deduct	*-5.60*	
		For >250 To 500, Deduct	*-9.72*	
		For >500, Deduct	*-13.84*	
06 05 23 00-0112	EA	3/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	26.05	
		For >10 To 50, Deduct	*-0.99*	
		For >50 To 100, Deduct	*-2.14*	
		For >100 To 250, Deduct	*-4.28*	
		For >250 To 500, Deduct	*-7.42*	
		For >500, Deduct	*-10.55*	
06 05 23 00-0113	EA	3/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	28.41	
		For >10 To 50, Deduct	*-1.05*	
		For >50 To 100, Deduct	*-2.28*	
		For >100 To 250, Deduct	*-4.57*	
		For >250 To 500, Deduct	*-7.90*	
		For >500, Deduct	*-11.23*	
06 05 23 00-0114	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	34.27	
		For >10 To 50, Deduct	*-1.21*	
		For >50 To 100, Deduct	*-2.68*	
		For >100 To 250, Deduct	*-5.35*	
		For >250 To 500, Deduct	*-9.24*	
		For >500, Deduct	*-13.14*	
06 05 23 00-0115	EA	3/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	39.08	
		For >10 To 50, Deduct	*-1.27*	
		For >50 To 100, Deduct	*-2.88*	
		For >100 To 250, Deduct	*-5.76*	
		For >250 To 500, Deduct	*-9.91*	
		For >500, Deduct	*-14.06*	
06 05 23 00-0116	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	42.42	
		For >10 To 50, Deduct	*-1.38*	
		For >50 To 100, Deduct	*-3.13*	
		For >100 To 250, Deduct	*-6.26*	
		For >250 To 500, Deduct	*-10.77*	
		For >500, Deduct	*-15.27*	
06 05 23 00-0117	EA	3/4" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	43.11	
		For >10 To 50, Deduct	*-1.43*	
		For >50 To 100, Deduct	*-3.23*	
		For >100 To 250, Deduct	*-6.46*	
		For >250 To 500, Deduct	*-11.12*	
		For >500, Deduct	*-15.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0118		Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolts *(06 05 23 00-0094)*		
06 05 23 00-0119	EA	1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	15.13	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.45*	
		For >100 To 250, Deduct	*-2.91*	
		For >250 To 500, Deduct	*-5.08*	
		For >500, Deduct	*-7.25*	
06 05 23 00-0120	EA	1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	15.49	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.46*	
		For >100 To 250, Deduct	*-2.93*	
		For >250 To 500, Deduct	*-5.11*	
		For >500, Deduct	*-7.29*	
06 05 23 00-0121	EA	1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	15.90	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.47*	
		For >100 To 250, Deduct	*-2.95*	
		For >250 To 500, Deduct	*-5.14*	
		For >500, Deduct	*-7.33*	
06 05 23 00-0122	EA	1/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	19.01	
		For >10 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-1.72*	
		For >100 To 250, Deduct	*-3.43*	
		For >250 To 500, Deduct	*-5.98*	
		For >500, Deduct	*-8.52*	
06 05 23 00-0123	EA	3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	16.90	
		For >10 To 50, Deduct	*-0.77*	
		For >50 To 100, Deduct	*-1.58*	
		For >100 To 250, Deduct	*-3.16*	
		For >250 To 500, Deduct	*-5.52*	
		For >500, Deduct	*-7.87*	
06 05 23 00-0124	EA	3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	18.59	
		For >10 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-1.71*	
		For >100 To 250, Deduct	*-3.41*	
		For >250 To 500, Deduct	*-5.95*	
		For >500, Deduct	*-8.48*	
06 05 23 00-0125	EA	3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	19.04	
		For >10 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-1.72*	
		For >100 To 250, Deduct	*-3.43*	
		For >250 To 500, Deduct	*-5.98*	
		For >500, Deduct	*-8.52*	
06 05 23 00-0126	EA	3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	23.04	
		For >10 To 50, Deduct	*-0.99*	
		For >50 To 100, Deduct	*-2.07*	
		For >100 To 250, Deduct	*-4.13*	
		For >250 To 500, Deduct	*-7.19*	
		For >500, Deduct	*-10.25*	
06 05 23 00-0127	EA	3/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	25.25	
		For >10 To 50, Deduct	*-1.05*	
		For >50 To 100, Deduct	*-2.20*	
		For >100 To 250, Deduct	*-4.41*	
		For >250 To 500, Deduct	*-7.66*	
		For >500, Deduct	*-10.91*	
06 05 23 00-0128	EA	3/8" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	28.27	
		For >10 To 50, Deduct	*-1.16*	
		For >50 To 100, Deduct	*-2.44*	
		For >100 To 250, Deduct	*-4.89*	
		For >250 To 500, Deduct	*-8.49*	
		For >500, Deduct	*-12.10*	
06 05 23 00-0129	EA	1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	19.63	
		For >10 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-1.73*	
		For >100 To 250, Deduct	*-3.46*	
		For >250 To 500, Deduct	*-6.02*	
		For >500, Deduct	*-8.58*	
06 05 23 00-0130	EA	1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	21.31	
		For >10 To 50, Deduct	*-0.88*	
		For >50 To 100, Deduct	*-1.86*	
		For >100 To 250, Deduct	*-3.71*	
		For >250 To 500, Deduct	*-6.45*	
		For >500, Deduct	*-9.20*	
06 05 23 00-0131	EA	1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	22.83	
		For >10 To 50, Deduct	*-0.94*	
		For >50 To 100, Deduct	*-1.98*	
		For >100 To 250, Deduct	*-3.95*	
		For >250 To 500, Deduct	*-6.87*	
		For >500, Deduct	*-9.78*	
06 05 23 00-0132	EA	1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	25.96	
		For >10 To 50, Deduct	*-1.05*	
		For >50 To 100, Deduct	*-2.22*	
		For >100 To 250, Deduct	*-4.44*	
		For >250 To 500, Deduct	*-7.71*	
		For >500, Deduct	*-10.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0133	EA	1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	30.31	
		For >10 To 50, Deduct	*-1.21*	
		For >50 To 100, Deduct	*-2.58*	
		For >100 To 250, Deduct	*-5.16*	
		For >250 To 500, Deduct	*-8.95*	
		For >500, Deduct	*-12.74*	
06 05 23 00-0134	EA	1/2" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	33.64	
		For >10 To 50, Deduct	*-1.32*	
		For >50 To 100, Deduct	*-2.83*	
		For >100 To 250, Deduct	*-5.65*	
		For >250 To 500, Deduct	*-9.81*	
		For >500, Deduct	*-13.96*	
06 05 23 00-0135	EA	3/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	29.47	
		For >10 To 50, Deduct	*-0.99*	
		For >50 To 100, Deduct	*-2.23*	
		For >100 To 250, Deduct	*-4.45*	
		For >250 To 500, Deduct	*-7.67*	
		For >500, Deduct	*-10.89*	
06 05 23 00-0136	EA	3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	30.80	
		For >10 To 50, Deduct	*-1.05*	
		For >50 To 100, Deduct	*-2.34*	
		For >100 To 250, Deduct	*-4.69*	
		For >250 To 500, Deduct	*-8.08*	
		For >500, Deduct	*-11.47*	
06 05 23 00-0137	EA	3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	35.97	
		For >10 To 50, Deduct	*-1.21*	
		For >50 To 100, Deduct	*-2.72*	
		For >100 To 250, Deduct	*-5.44*	
		For >250 To 500, Deduct	*-9.37*	
		For >500, Deduct	*-13.31*	
06 05 23 00-0138	EA	3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	38.95	
		For >10 To 50, Deduct	*-1.27*	
		For >50 To 100, Deduct	*-2.88*	
		For >100 To 250, Deduct	*-5.75*	
		For >250 To 500, Deduct	*-9.90*	
		For >500, Deduct	*-14.05*	
06 05 23 00-0139	EA	3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	44.63	
		For >10 To 50, Deduct	*-1.38*	
		For >50 To 100, Deduct	*-3.18*	
		For >100 To 250, Deduct	*-6.37*	
		For >250 To 500, Deduct	*-10.93*	
		For >500, Deduct	*-15.50*	
06 05 23 00-0140	EA	3/4" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	47.71	
		For >10 To 50, Deduct	*-1.43*	
		For >50 To 100, Deduct	*-3.34*	
		For >100 To 250, Deduct	*-6.69*	
		For >250 To 500, Deduct	*-11.47*	
		For >500, Deduct	*-16.25*	

06 05 23 00-0141 304/18-8 Stainless Steel, Carriage Bolts *(06 05 23 00-0094)*

06 05 23 00-0142	EA	1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt	16.08	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.48*	
		For >100 To 250, Deduct	*-2.96*	
		For >250 To 500, Deduct	*-5.15*	
		For >500, Deduct	*-7.34*	
06 05 23 00-0143	EA	1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	17.99	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.53*	
		For >100 To 250, Deduct	*-3.05*	
		For >250 To 500, Deduct	*-5.29*	
		For >500, Deduct	*-7.54*	
06 05 23 00-0144	EA	1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	19.24	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.56*	
		For >100 To 250, Deduct	*-3.11*	
		For >250 To 500, Deduct	*-5.39*	
		For >500, Deduct	*-7.66*	
06 05 23 00-0145	EA	1/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	34.89	
		For >10 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-2.11*	
		For >100 To 250, Deduct	*-4.23*	
		For >250 To 500, Deduct	*-7.17*	
		For >500, Deduct	*-10.11*	
06 05 23 00-0146	EA	3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt	18.96	
		For >10 To 50, Deduct	*-0.77*	
		For >50 To 100, Deduct	*-1.63*	
		For >100 To 250, Deduct	*-3.27*	
		For >250 To 500, Deduct	*-5.67*	
		For >500, Deduct	*-8.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0147	EA	3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	22.83	
		For >10 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-1.81*	
		For >100 To 250, Deduct	*-3.62*	
		For >250 To 500, Deduct	*-6.26*	
		For >500, Deduct	*-8.90*	
06 05 23 00-0148	EA	3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	23.43	
		For >10 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-1.83*	
		For >100 To 250, Deduct	*-3.65*	
		For >250 To 500, Deduct	*-6.31*	
		For >500, Deduct	*-8.96*	
06 05 23 00-0149	EA	3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	46.64	
		For >10 To 50, Deduct	*-0.99*	
		For >50 To 100, Deduct	*-2.66*	
		For >100 To 250, Deduct	*-5.31*	
		For >250 To 500, Deduct	*-8.96*	
		For >500, Deduct	*-12.61*	
06 05 23 00-0150	EA	3/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt	57.69	
		For >10 To 50, Deduct	*-1.05*	
		For >50 To 100, Deduct	*-3.02*	
		For >100 To 250, Deduct	*-6.03*	
		For >250 To 500, Deduct	*-10.09*	
		For >500, Deduct	*-14.16*	
06 05 23 00-0151	EA	3/8" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt	64.72	
		For >10 To 50, Deduct	*-1.16*	
		For >50 To 100, Deduct	*-3.36*	
		For >100 To 250, Deduct	*-6.71*	
		For >250 To 500, Deduct	*-11.23*	
		For >500, Deduct	*-15.74*	
06 05 23 00-0152	EA	1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt	25.06	
		For >10 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-1.87*	
		For >100 To 250, Deduct	*-3.74*	
		For >250 To 500, Deduct	*-6.43*	
		For >500, Deduct	*-9.13*	
06 05 23 00-0153	EA	1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	28.83	
		For >10 To 50, Deduct	*-0.88*	
		For >50 To 100, Deduct	*-2.05*	
		For >100 To 250, Deduct	*-4.09*	
		For >250 To 500, Deduct	*-7.02*	
		For >500, Deduct	*-9.95*	
06 05 23 00-0154	EA	1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	35.71	
		For >10 To 50, Deduct	*-0.94*	
		For >50 To 100, Deduct	*-2.30*	
		For >100 To 250, Deduct	*-4.60*	
		For >250 To 500, Deduct	*-7.83*	
		For >500, Deduct	*-11.07*	
06 05 23 00-0155	EA	1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	59.44	
		For >10 To 50, Deduct	*-1.05*	
		For >50 To 100, Deduct	*-3.06*	
		For >100 To 250, Deduct	*-6.12*	
		For >250 To 500, Deduct	*-10.22*	
		For >500, Deduct	*-14.33*	
06 05 23 00-0156	EA	1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt	66.95	
		For >10 To 50, Deduct	*-1.21*	
		For >50 To 100, Deduct	*-3.49*	
		For >100 To 250, Deduct	*-6.99*	
		For >250 To 500, Deduct	*-11.70*	
		For >500, Deduct	*-16.40*	
06 05 23 00-0157	EA	1/2" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt	108.61	
		For >10 To 50, Deduct	*-1.32*	
		For >50 To 100, Deduct	*-4.70*	
		For >100 To 250, Deduct	*-9.40*	
		For >250 To 500, Deduct	*-15.43*	
		For >500, Deduct	*-21.45*	
06 05 23 00-0158	EA	3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	84.23	
		For >10 To 50, Deduct	*-1.05*	
		For >50 To 100, Deduct	*-3.68*	
		For >100 To 250, Deduct	*-7.36*	
		For >250 To 500, Deduct	*-12.08*	
		For >500, Deduct	*-16.81*	
06 05 23 00-0159	EA	3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	120.88	
		For >10 To 50, Deduct	*-1.21*	
		For >50 To 100, Deduct	*-4.84*	
		For >100 To 250, Deduct	*-9.68*	
		For >250 To 500, Deduct	*-15.74*	
		For >500, Deduct	*-21.80*	
06 05 23 00-0160	EA	3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	134.41	
		For >10 To 50, Deduct	*-1.27*	
		For >50 To 100, Deduct	*-5.26*	
		For >100 To 250, Deduct	*-10.53*	
		For >250 To 500, Deduct	*-17.06*	
		For >500, Deduct	*-23.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0161	EA	3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt	201.35	
		For >10 To 50, Deduct	*-1.38*	
		For >50 To 100, Deduct	*-7.10*	
		For >100 To 250, Deduct	*-14.20*	
		For >250 To 500, Deduct	*-22.69*	
		For >500, Deduct	*-31.17*	
06 05 23 00-0162	EA	3/4" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt	211.90	
		For >10 To 50, Deduct	*-1.43*	
		For >50 To 100, Deduct	*-7.45*	
		For >100 To 250, Deduct	*-14.90*	
		For >250 To 500, Deduct	*-23.78*	
		For >500, Deduct	*-32.67*	

06 05 23 00-0163 316 Stainless Steel, Carriage Bolts *(06 05 23 00-0094)*

06 05 23 00-0164	EA	1/4" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt	24.90	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.70*	
		For >100 To 250, Deduct	*-3.40*	
		For >250 To 500, Deduct	*-5.81*	
		For >500, Deduct	*-8.23*	
06 05 23 00-0165	EA	1/4" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt	28.25	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.78*	
		For >100 To 250, Deduct	*-3.56*	
		For >250 To 500, Deduct	*-6.06*	
		For >500, Deduct	*-8.56*	
06 05 23 00-0166	EA	3/8" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt	30.50	
		For >10 To 50, Deduct	*-0.77*	
		For >50 To 100, Deduct	*-1.92*	
		For >100 To 250, Deduct	*-3.84*	
		For >250 To 500, Deduct	*-6.54*	
		For >500, Deduct	*-9.23*	
06 05 23 00-0167	EA	3/8" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt	36.25	
		For >10 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-2.15*	
		For >100 To 250, Deduct	*-4.30*	
		For >250 To 500, Deduct	*-7.27*	
		For >500, Deduct	*-10.25*	
06 05 23 00-0168	EA	1/2" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt	51.15	
		For >10 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-2.52*	
		For >100 To 250, Deduct	*-5.04*	
		For >250 To 500, Deduct	*-8.39*	
		For >500, Deduct	*-11.74*	
06 05 23 00-0169	EA	1/2" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt	55.87	
		For >10 To 50, Deduct	*-0.88*	
		For >50 To 100, Deduct	*-2.72*	
		For >100 To 250, Deduct	*-5.44*	
		For >250 To 500, Deduct	*-9.05*	
		For >500, Deduct	*-12.65*	
06 05 23 00-0170	EA	1/2" Diameter x 6" Length, 316 Stainless Steel, Carriage Bolt	60.29	
		For >10 To 50, Deduct	*-0.94*	
		For >50 To 100, Deduct	*-2.91*	
		For >100 To 250, Deduct	*-5.83*	
		For >250 To 500, Deduct	*-9.68*	
		For >500, Deduct	*-13.53*	

06 05 23 00-0171 Hex Lag Bolts *(06 05 23 00-0093)*

Note: Includes drilling of holes in any material

06 05 23 00-0172 Zinc Plated Steel, Hex Lag Bolts *(06 05 23 00-0171)*

06 05 23 00-0173	EA	1/4" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt	14.06	
		For >10 To 50, Deduct	*-0.69*	
		For >50 To 100, Deduct	*-1.39*	
		For >100 To 250, Deduct	*-2.77*	
		For >250 To 500, Deduct	*-4.85*	
		For >500, Deduct	*-6.92*	
06 05 23 00-0174	EA	1/4" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt	14.23	
		For >10 To 50, Deduct	*-0.69*	
		For >50 To 100, Deduct	*-1.39*	
		For >100 To 250, Deduct	*-2.78*	
		For >250 To 500, Deduct	*-4.86*	
		For >500, Deduct	*-6.94*	
06 05 23 00-0175	EA	1/4" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt	14.57	
		For >10 To 50, Deduct	*-0.69*	
		For >50 To 100, Deduct	*-1.40*	
		For >100 To 250, Deduct	*-2.80*	
		For >250 To 500, Deduct	*-4.89*	
		For >500, Deduct	*-6.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0176	EA	3/8" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt	15.54	
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-1.52*	
		For >100 To 250, Deduct	*-3.03*	
		For >250 To 500, Deduct	*-5.30*	
		For >500, Deduct	*-7.57*	
06 05 23 00-0177	EA	3/8" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt	16.95	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-1.63*	
		For >100 To 250, Deduct	*-3.26*	
		For >250 To 500, Deduct	*-5.70*	
		For >500, Deduct	*-8.14*	
06 05 23 00-0178	EA	3/8" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt	17.33	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-1.64*	
		For >100 To 250, Deduct	*-3.28*	
		For >250 To 500, Deduct	*-5.73*	
		For >500, Deduct	*-8.18*	
06 05 23 00-0179	EA	3/8" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt	21.32	
		For >10 To 50, Deduct	*-0.97*	
		For >50 To 100, Deduct	*-1.98*	
		For >100 To 250, Deduct	*-3.97*	
		For >250 To 500, Deduct	*-6.91*	
		For >500, Deduct	*-9.86*	
06 05 23 00-0180	EA	3/8" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt	22.60	
		For >10 To 50, Deduct	*-1.02*	
		For >50 To 100, Deduct	*-2.09*	
		For >100 To 250, Deduct	*-4.19*	
		For >250 To 500, Deduct	*-7.30*	
		For >500, Deduct	*-10.42*	
06 05 23 00-0181	EA	1/2" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt	17.32	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-1.65*	
		For >100 To 250, Deduct	*-3.30*	
		For >250 To 500, Deduct	*-5.76*	
		For >500, Deduct	*-8.22*	
06 05 23 00-0182	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt	18.93	
		For >10 To 50, Deduct	*-0.87*	
		For >50 To 100, Deduct	*-1.77*	
		For >100 To 250, Deduct	*-3.54*	
		For >250 To 500, Deduct	*-6.18*	
		For >500, Deduct	*-8.81*	
06 05 23 00-0183	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt	20.73	
		For >10 To 50, Deduct	*-0.92*	
		For >50 To 100, Deduct	*-1.90*	
		For >100 To 250, Deduct	*-3.80*	
		For >250 To 500, Deduct	*-6.61*	
		For >500, Deduct	*-9.43*	
06 05 23 00-0184	EA	1/2" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt	23.69	
		For >10 To 50, Deduct	*-1.03*	
		For >50 To 100, Deduct	*-2.13*	
		For >100 To 250, Deduct	*-4.27*	
		For >250 To 500, Deduct	*-7.43*	
		For >500, Deduct	*-10.59*	
06 05 23 00-0185	EA	1/2" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt	28.03	
		For >10 To 50, Deduct	*-1.19*	
		For >50 To 100, Deduct	*-2.49*	
		For >100 To 250, Deduct	*-4.97*	
		For >250 To 500, Deduct	*-8.65*	
		For >500, Deduct	*-12.32*	
06 05 23 00-0186	EA	1/2" Diameter x 12" Length, Zinc Plated Steel, Hex Lag Bolt	30.58	
		For >10 To 50, Deduct	*-1.30*	
		For >50 To 100, Deduct	*-2.71*	
		For >100 To 250, Deduct	*-5.42*	
		For >250 To 500, Deduct	*-9.43*	
		For >500, Deduct	*-13.44*	
06 05 23 00-0187	EA	3/4" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt	25.98	
		For >10 To 50, Deduct	*-1.03*	
		For >50 To 100, Deduct	*-2.19*	
		For >100 To 250, Deduct	*-4.38*	
		For >250 To 500, Deduct	*-7.60*	
		For >500, Deduct	*-10.82*	
06 05 23 00-0188	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt	31.20	
		For >10 To 50, Deduct	*-1.19*	
		For >50 To 100, Deduct	*-2.57*	
		For >100 To 250, Deduct	*-5.13*	
		For >250 To 500, Deduct	*-8.89*	
		For >500, Deduct	*-12.64*	
06 05 23 00-0189	EA	3/4" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt	34.89	
		For >10 To 50, Deduct	*-1.24*	
		For >50 To 100, Deduct	*-2.74*	
		For >100 To 250, Deduct	*-5.48*	
		For >250 To 500, Deduct	*-9.46*	
		For >500, Deduct	*-13.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0190	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt	39.43	
		For >10 To 50, Deduct	*-1.35*	
		For >50 To 100, Deduct	*-3.01*	
		For >100 To 250, Deduct	*-6.03*	
		For >250 To 500, Deduct	*-10.39*	
		For >500, Deduct	*-14.76*	
06 05 23 00-0191	EA	3/4" Diameter x 12" Length, Zinc Plated Steel, Hex Lag Bolt	44.71	
		For >10 To 50, Deduct	*-1.41*	
		For >50 To 100, Deduct	*-3.23*	
		For >100 To 250, Deduct	*-6.45*	
		For >250 To 500, Deduct	*-11.09*	
		For >500, Deduct	*-15.72*	

06 05 23 00-0192 Hot Dipped Galvanized Steel, Hex Lag Bolts *(06 05 23 00-0171)*

06 05 23 00-0193	EA	1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	14.14	
		For >10 To 50, Deduct	*-0.69*	
		For >50 To 100, Deduct	*-1.39*	
		For >100 To 250, Deduct	*-2.78*	
		For >250 To 500, Deduct	*-4.85*	
		For >500, Deduct	*-6.93*	
06 05 23 00-0194	EA	1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	14.40	
		For >10 To 50, Deduct	*-0.69*	
		For >50 To 100, Deduct	*-1.39*	
		For >100 To 250, Deduct	*-2.79*	
		For >250 To 500, Deduct	*-4.87*	
		For >500, Deduct	*-6.96*	
06 05 23 00-0195	EA	1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	14.67	
		For >10 To 50, Deduct	*-0.69*	
		For >50 To 100, Deduct	*-1.40*	
		For >100 To 250, Deduct	*-2.80*	
		For >250 To 500, Deduct	*-4.89*	
		For >500, Deduct	*-6.98*	
06 05 23 00-0196	EA	3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	15.69	
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-1.52*	
		For >100 To 250, Deduct	*-3.04*	
		For >250 To 500, Deduct	*-5.31*	
		For >500, Deduct	*-7.58*	
06 05 23 00-0197	EA	3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	17.18	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-1.64*	
		For >100 To 250, Deduct	*-3.28*	
		For >250 To 500, Deduct	*-5.72*	
		For >500, Deduct	*-8.16*	
06 05 23 00-0198	EA	3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	17.60	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-1.65*	
		For >100 To 250, Deduct	*-3.30*	
		For >250 To 500, Deduct	*-5.75*	
		For >500, Deduct	*-8.20*	
06 05 23 00-0199	EA	3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	21.83	
		For >10 To 50, Deduct	*-0.97*	
		For >50 To 100, Deduct	*-2.00*	
		For >100 To 250, Deduct	*-3.99*	
		For >250 To 500, Deduct	*-6.95*	
		For >500, Deduct	*-9.92*	
06 05 23 00-0200	EA	3/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	23.46	
		For >10 To 50, Deduct	*-1.02*	
		For >50 To 100, Deduct	*-2.12*	
		For >100 To 250, Deduct	*-4.23*	
		For >250 To 500, Deduct	*-7.37*	
		For >500, Deduct	*-10.50*	
06 05 23 00-0201	EA	1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	17.70	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-1.66*	
		For >100 To 250, Deduct	*-3.32*	
		For >250 To 500, Deduct	*-5.79*	
		For >500, Deduct	*-8.26*	
06 05 23 00-0202	EA	1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	19.15	
		For >10 To 50, Deduct	*-0.87*	
		For >50 To 100, Deduct	*-1.78*	
		For >100 To 250, Deduct	*-3.55*	
		For >250 To 500, Deduct	*-6.19*	
		For >500, Deduct	*-8.84*	
06 05 23 00-0203	EA	1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	21.11	
		For >10 To 50, Deduct	*-0.92*	
		For >50 To 100, Deduct	*-1.91*	
		For >100 To 250, Deduct	*-3.81*	
		For >250 To 500, Deduct	*-6.64*	
		For >500, Deduct	*-9.47*	

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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0204	EA	1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	24.85	
		For >10 To 50, Deduct	*-1.03*	
		For >50 To 100, Deduct	*-2.16*	
		For >100 To 250, Deduct	*-4.33*	
		For >250 To 500, Deduct	*-7.52*	
		For >500, Deduct	*-10.71*	
06 05 23 00-0205	EA	1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	28.59	
		For >10 To 50, Deduct	*-1.19*	
		For >50 To 100, Deduct	*-2.50*	
		For >100 To 250, Deduct	*-5.00*	
		For >250 To 500, Deduct	*-8.69*	
		For >500, Deduct	*-12.38*	
06 05 23 00-0206	EA	1/2" Diameter x 12" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	31.97	
		For >10 To 50, Deduct	*-1.30*	
		For >50 To 100, Deduct	*-2.75*	
		For >100 To 250, Deduct	*-5.49*	
		For >250 To 500, Deduct	*-9.54*	
		For >500, Deduct	*-13.58*	
06 05 23 00-0207	EA	3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	26.84	
		For >10 To 50, Deduct	*-1.03*	
		For >50 To 100, Deduct	*-2.21*	
		For >100 To 250, Deduct	*-4.42*	
		For >250 To 500, Deduct	*-7.66*	
		For >500, Deduct	*-10.90*	
06 05 23 00-0208	EA	3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	31.98	
		For >10 To 50, Deduct	*-1.19*	
		For >50 To 100, Deduct	*-2.58*	
		For >100 To 250, Deduct	*-5.17*	
		For >250 To 500, Deduct	*-8.94*	
		For >500, Deduct	*-12.72*	
06 05 23 00-0209	EA	3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	36.19	
		For >10 To 50, Deduct	*-1.24*	
		For >50 To 100, Deduct	*-2.77*	
		For >100 To 250, Deduct	*-5.54*	
		For >250 To 500, Deduct	*-9.56*	
		For >500, Deduct	*-13.57*	
06 05 23 00-0210	EA	3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	42.50	
		For >10 To 50, Deduct	*-1.35*	
		For >50 To 100, Deduct	*-3.09*	
		For >100 To 250, Deduct	*-6.18*	
		For >250 To 500, Deduct	*-10.62*	
		For >500, Deduct	*-15.07*	
06 05 23 00-0211	EA	3/4" Diameter x 12" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	47.99	
		For >10 To 50, Deduct	*-1.41*	
		For >50 To 100, Deduct	*-3.31*	
		For >100 To 250, Deduct	*-6.62*	
		For >250 To 500, Deduct	*-11.33*	
		For >500, Deduct	*-16.05*	

06 05 23 00-0212 304/18-8 Stainless Steel, Hex Lag Bolts *(06 05 23 00-0171)*

06 05 23 00-0213	EA	1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	14.99	
		For >10 To 50, Deduct	*-0.69*	
		For >50 To 100, Deduct	*-1.41*	
		For >100 To 250, Deduct	*-2.82*	
		For >250 To 500, Deduct	*-4.92*	
		For >500, Deduct	*-7.02*	
06 05 23 00-0214	EA	1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	15.89	
		For >10 To 50, Deduct	*-0.69*	
		For >50 To 100, Deduct	*-1.43*	
		For >100 To 250, Deduct	*-2.86*	
		For >250 To 500, Deduct	*-4.98*	
		For >500, Deduct	*-7.11*	
06 05 23 00-0215	EA	1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	18.32	
		For >10 To 50, Deduct	*-0.69*	
		For >50 To 100, Deduct	*-1.49*	
		For >100 To 250, Deduct	*-2.98*	
		For >250 To 500, Deduct	*-5.17*	
		For >500, Deduct	*-7.35*	
06 05 23 00-0216	EA	3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	18.10	
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-1.58*	
		For >100 To 250, Deduct	*-3.16*	
		For >250 To 500, Deduct	*-5.49*	
		For >500, Deduct	*-7.82*	
06 05 23 00-0217	EA	3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	20.53	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-1.72*	
		For >100 To 250, Deduct	*-3.44*	
		For >250 To 500, Deduct	*-5.97*	
		For >500, Deduct	*-8.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0218	EA	3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	22.08	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-1.76*	
		For >100 To 250, Deduct	*-3.52*	
		For >250 To 500, Deduct	*-6.09*	
		For >500, Deduct	*-8.65*	
06 05 23 00-0219	EA	3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	46.94	
		For >10 To 50, Deduct	*-0.97*	
		For >50 To 100, Deduct	*-2.62*	
		For >100 To 250, Deduct	*-5.25*	
		For >250 To 500, Deduct	*-8.84*	
		For >500, Deduct	*-12.43*	
06 05 23 00-0220	EA	3/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	66.93	
		For >10 To 50, Deduct	*-1.02*	
		For >50 To 100, Deduct	*-3.20*	
		For >100 To 250, Deduct	*-6.41*	
		For >250 To 500, Deduct	*-10.63*	
		For >500, Deduct	*-14.85*	
06 05 23 00-0221	EA	1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	22.25	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-1.77*	
		For >100 To 250, Deduct	*-3.55*	
		For >250 To 500, Deduct	*-6.13*	
		For >500, Deduct	*-8.72*	
06 05 23 00-0222	EA	1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	26.57	
		For >10 To 50, Deduct	*-0.87*	
		For >50 To 100, Deduct	*-1.96*	
		For >100 To 250, Deduct	*-3.92*	
		For >250 To 500, Deduct	*-6.75*	
		For >500, Deduct	*-9.58*	
06 05 23 00-0223	EA	1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	33.26	
		For >10 To 50, Deduct	*-0.92*	
		For >50 To 100, Deduct	*-2.21*	
		For >100 To 250, Deduct	*-4.42*	
		For >250 To 500, Deduct	*-7.55*	
		For >500, Deduct	*-10.68*	
06 05 23 00-0224	EA	1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	71.48	
		For >10 To 50, Deduct	*-1.03*	
		For >50 To 100, Deduct	*-3.33*	
		For >100 To 250, Deduct	*-6.66*	
		For >250 To 500, Deduct	*-11.01*	
		For >500, Deduct	*-15.37*	
06 05 23 00-0225	EA	1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	97.91	
		For >10 To 50, Deduct	*-1.19*	
		For >50 To 100, Deduct	*-4.23*	
		For >100 To 250, Deduct	*-8.47*	
		For >250 To 500, Deduct	*-13.89*	
		For >500, Deduct	*-19.31*	
06 05 23 00-0226	EA	1/2" Diameter x 12" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	114.64	
		For >10 To 50, Deduct	*-1.30*	
		For >50 To 100, Deduct	*-4.81*	
		For >100 To 250, Deduct	*-9.63*	
		For >250 To 500, Deduct	*-15.74*	
		For >500, Deduct	*-21.85*	
06 05 23 00-0227	EA	3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	106.87	
		For >10 To 50, Deduct	*-1.03*	
		For >50 To 100, Deduct	*-4.21*	
		For >100 To 250, Deduct	*-8.43*	
		For >250 To 500, Deduct	*-13.67*	
		For >500, Deduct	*-18.91*	
06 05 23 00-0228	EA	3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	122.12	
		For >10 To 50, Deduct	*-1.19*	
		For >50 To 100, Deduct	*-4.84*	
		For >100 To 250, Deduct	*-9.68*	
		For >250 To 500, Deduct	*-15.70*	
		For >500, Deduct	*-21.73*	
06 05 23 00-0229	EA	3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	127.06	
		For >10 To 50, Deduct	*-1.24*	
		For >50 To 100, Deduct	*-5.04*	
		For >100 To 250, Deduct	*-10.09*	
		For >250 To 500, Deduct	*-16.37*	
		For >500, Deduct	*-22.66*	
06 05 23 00-0230	EA	3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	177.13	
		For >10 To 50, Deduct	*-1.35*	
		For >50 To 100, Deduct	*-6.46*	
		For >100 To 250, Deduct	*-12.91*	
		For >250 To 500, Deduct	*-20.72*	
		For >500, Deduct	*-28.53*	
06 05 23 00-0231	EA	3/4" Diameter x 12" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	193.49	
		For >10 To 50, Deduct	*-1.41*	
		For >50 To 100, Deduct	*-6.95*	
		For >100 To 250, Deduct	*-13.89*	
		For >250 To 500, Deduct	*-22.24*	
		For >500, Deduct	*-30.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

06 05 23 00-0232 Stainless Steel Screws *(06 05 23 00-0093)*

06 05 23 00-0233	EA	#8 x 1-1/2" Stainless Steel Screw	2.18	
06 05 23 00-0234	EA	#9 x 1-1/2" Stainless Steel Screw	2.23	
06 05 23 00-0235	EA	#10 x 1-1/2" Stainless Steel Screw	2.29	
06 05 23 00-0236	EA	#12 x 1-1/2" Stainless Steel Screw	2.46	

06 05 23 00-0237 Galvanized Steel Screws *(06 05 23 00-0093)*

06 05 23 00-0238	EA	#8 x 1-1/2" Galvanized Steel Screw	2.01	
06 05 23 00-0239	EA	#9 x 1-1/2" Galvanized Steel Screw	2.06	
06 05 23 00-0240	EA	#10 x 1-1/2" Galvanized Steel Screw	2.11	
06 05 23 00-0241	EA	#12 x 1-1/2" Galvanized Steel Screw	2.25	
06 05 23 00-0242	EA	#8 x 2-1/2" Galvanized Steel Screw	2.05	
06 05 23 00-0243	EA	#9 x 2-1/2" Galvanized Steel Screw	2.09	
06 05 23 00-0244	EA	#10 x 2-1/2" Galvanized Steel Screw	2.15	
06 05 23 00-0245	EA	#12 x 2-1/2" Galvanized Steel Screw	2.33	

06 05 23 00-0246 Timber Bolts *(06 05 23 00-0093)*

Note: Includes drilling of holes in any material.

06 05 23 00-0247	EA	5/8" - 11 x 4" Threaded x 8" OAL A153 Galvanized Timber Bolt (Fastenal #11103914)	39.10	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-2.69*	
		For >100 To 250, Deduct	*-5.39*	
		For >250 To 500, Deduct	*-9.23*	
		For >500, Deduct	*-13.07*	
06 05 23 00-0248	EA	5/8" - 11 x 4" Threaded x 10" OAL A153 Galvanized Timber Bolt (Fastenal #11103915)	44.26	
		For >10 To 50, Deduct	*-1.28*	
		For >50 To 100, Deduct	*-3.03*	
		For >100 To 250, Deduct	*-6.06*	
		For >250 To 500, Deduct	*-10.37*	
		For >500, Deduct	*-14.67*	
06 05 23 00-0249	EA	5/8" - 11 x 6" Threaded x 12" OAL A153 Galvanized Timber Bolt (Fastenal #11103916)	47.95	
		For >10 To 50, Deduct	*-1.36*	
		For >50 To 100, Deduct	*-3.25*	
		For >100 To 250, Deduct	*-6.49*	
		For >250 To 500, Deduct	*-11.10*	
		For >500, Deduct	*-15.71*	
06 05 23 00-0250	EA	5/8" - 11 x 6" Threaded x 14" OAL A153 Galvanized Timber Bolt (Fastenal #11103917)	53.98	
		For >10 To 50, Deduct	*-1.44*	
		For >50 To 100, Deduct	*-3.51*	
		For >100 To 250, Deduct	*-7.03*	
		For >250 To 500, Deduct	*-11.98*	
		For >500, Deduct	*-16.94*	
06 05 23 00-0251	EA	5/8" - 11 x 6" Threaded x 16" OAL A153 Galvanized Timber Bolt (Fastenal #11103918)	57.56	
		For >10 To 50, Deduct	*-1.52*	
		For >50 To 100, Deduct	*-3.72*	
		For >100 To 250, Deduct	*-7.44*	
		For >250 To 500, Deduct	*-12.68*	
		For >500, Deduct	*-17.92*	
06 05 23 00-0252	EA	5/8" - 11 x 6" Threaded x 18" OAL A153 Galvanized Timber Bolt (Fastenal #11103919)	59.71	
		For >10 To 50, Deduct	*-1.59*	
		For >50 To 100, Deduct	*-3.87*	
		For >100 To 250, Deduct	*-7.75*	
		For >250 To 500, Deduct	*-13.21*	
		For >500, Deduct	*-18.67*	
06 05 23 00-0253	EA	3/4" - 11 x 4" Threaded x 10" OAL A153 Galvanized Timber Bolt (Fastenal #11103920)	53.97	
		For >10 To 50, Deduct	*-1.36*	
		For >50 To 100, Deduct	*-3.40*	
		For >100 To 250, Deduct	*-6.79*	
		For >250 To 500, Deduct	*-11.55*	
		For >500, Deduct	*-16.31*	
06 05 23 00-0254	EA	3/4" - 11 x 6" Threaded x 12" OAL A153 Galvanized Timber Bolt (Fastenal #11103921)	56.51	
		For >10 To 50, Deduct	*-1.42*	
		For >50 To 100, Deduct	*-3.54*	
		For >100 To 250, Deduct	*-7.09*	
		For >250 To 500, Deduct	*-12.05*	
		For >500, Deduct	*-17.01*	
06 05 23 00-0255	EA	3/4" - 11 x 6" Threaded x 14" OAL A153 Galvanized Timber Bolt (Fastenal #11103922)	63.07	
		For >10 To 50, Deduct	*-1.50*	
		For >50 To 100, Deduct	*-3.83*	
		For >100 To 250, Deduct	*-7.66*	
		For >250 To 500, Deduct	*-13.00*	
		For >500, Deduct	*-18.34*	
06 05 23 00-0256	EA	3/4" - 11 x 6" Threaded x 16" OAL A153 Galvanized Timber Bolt (Fastenal #11103923)	67.96	
		For >10 To 50, Deduct	*-1.58*	
		For >50 To 100, Deduct	*-4.07*	
		For >100 To 250, Deduct	*-8.14*	
		For >250 To 500, Deduct	*-13.80*	
		For >500, Deduct	*-19.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0257	EA	3/4" - 11 x 6" Threaded x 18" OAL A153 Galvanized Timber Bolt (Fastenal #11103924)	73.30	
		For >10 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.32*	
		For >100 To 250, Deduct	*-8.64*	
		For >250 To 500, Deduct	*-14.62*	
		For >500, Deduct	*-20.61*	
06 05 23 00-0258		**Supports** *(06 05 23)*		
06 05 23 00-0259		**Shear Plates** *(06 05 23 00-0258)*		
06 05 23 00-0260	EA	2-5/8" Diameter, Shear Plate	15.43	4.09
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-1.08*	
		For >100 To 250, Deduct	*-2.15*	
		For >250 To 500, Deduct	*-3.68*	
		For >500, Deduct	*-5.22*	
06 05 23 00-0261	EA	4" Diameter, Shear Plate	14.83	4.30
		For >10 To 50, Deduct	*-0.48*	
		For >50 To 100, Deduct	*-1.09*	
		For >100 To 250, Deduct	*-2.18*	
		For >250 To 500, Deduct	*-3.75*	
		For >500, Deduct	*-5.32*	
06 05 23 00-0262		**Sill Anchors** *(06 05 23 00-0258)*		
06 05 23 00-0263	EA	Sill Anchor Embedded In Concrete	13.13	4.30
		For >10 To 50, Deduct	*-0.48*	
		For >50 To 100, Deduct	*-1.05*	
		For >100 To 250, Deduct	*-2.10*	
		For >250 To 500, Deduct	*-3.62*	
		For >500, Deduct	*-5.15*	
06 05 23 00-0264		**Spike Grids** *(06 05 23 00-0258)*		
06 05 23 00-0265	EA	3" x 6" Flat Or Curved Spike Grid	11.67	4.09
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-0.98*	
		For >100 To 250, Deduct	*-1.96*	
		For >250 To 500, Deduct	*-3.40*	
		For >500, Deduct	*-4.84*	
06 05 23 00-0266		**Split Rings** *(06 05 23 00-0258)*		
06 05 23 00-0267	EA	2-1/2" Diameter Split Ring	15.64	4.09
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-1.08*	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-3.70*	
		For >500, Deduct	*-5.24*	
06 05 23 00-0268	EA	4" Diameter Split Ring	16.82	4.52
		For >10 To 50, Deduct	*-0.50*	
		For >50 To 100, Deduct	*-1.17*	
		For >100 To 250, Deduct	*-2.35*	
		For >250 To 500, Deduct	*-4.02*	
		For >500, Deduct	*-5.69*	
06 05 23 00-0269		**Toothed Rings** *(06 05 23 00-0258)*		
06 05 23 00-0270	EA	2-5/8" Or 4" Toothed Ring	12.42	4.09
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-1.00*	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-3.46*	
		For >500, Deduct	*-4.92*	
06 05 23 00-0271		**Straps And Shields** *(06 05 23)*		
06 05 23 00-0272		**Shield Plate** *(06 05 23 00-0271)*		
06 05 23 00-0273	EA	5" Wide x 8" Long, 16 Gauge, Galvanized Shield Plate (Simpson Strong Tie® PSPN58Z)	8.64	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.29*	
		For >100 To 250, Deduct	*-0.57*	
		For >250 To 500, Deduct	*-0.99*	
		For >500, Deduct	*-1.50*	
06 05 23 00-0274	EA	5" Wide x 16" Long, 16 Gauge, Galvanized Shield Plate (Simpson Strong Tie® PSPN516Z)	13.81	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.43*	
		For >100 To 250, Deduct	*-0.86*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-2.14*	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0275		Strap Ties *(06 05 23 00-0271)*		
06 05 23 00-0276	EA	1-1/4" Wide x 9" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA9)	3.28	
		For >10 To 50, Deduct	*-0.06*	
		For >50 To 100, Deduct	*-0.14*	
		For >100 To 250, Deduct	*-0.27*	
		For >250 To 500, Deduct	*-0.52*	
		For >500, Deduct	*-0.83*	
06 05 23 00-0277	EA	1-1/4" Wide x 12" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA12)	3.37	
		For >10 To 50, Deduct	*-0.06*	
		For >50 To 100, Deduct	*-0.14*	
		For >100 To 250, Deduct	*-0.28*	
		For >250 To 500, Deduct	*-0.53*	
		For >500, Deduct	*-0.84*	
06 05 23 00-0278	EA	1-1/4" Wide x 15" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA15)	4.31	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.67*	
		For >500, Deduct	*-1.07*	
06 05 23 00-0279	EA	1-1/4" Wide x 18" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA18)	4.48	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.36*	
		For >250 To 500, Deduct	*-0.68*	
		For >500, Deduct	*-1.08*	
06 05 23 00-0280	EA	1-1/4" Wide x 21" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA21)	4.66	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.19*	
		For >100 To 250, Deduct	*-0.37*	
		For >250 To 500, Deduct	*-0.69*	
		For >500, Deduct	*-1.10*	
06 05 23 00-0281	EA	1-1/4" Wide x 24" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA24)	5.35	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.43*	
		For >250 To 500, Deduct	*-0.82*	
		For >500, Deduct	*-1.30*	
06 05 23 00-0282	EA	1-1/4" Wide x 30" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA30)	6.98	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.26*	
		For >100 To 250, Deduct	*-0.51*	
		For >250 To 500, Deduct	*-0.94*	
		For >500, Deduct	*-1.46*	
06 05 23 00-0283	EA	1-1/4" Wide x 36" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA36)	8.09	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.30*	
		For >100 To 250, Deduct	*-0.60*	
		For >250 To 500, Deduct	*-1.09*	
		For >500, Deduct	*-1.70*	
06 05 23 00-0284	EA	1-1/4" Wide x 9" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA9)	3.65	
		For >10 To 50, Deduct	*-0.06*	
		For >50 To 100, Deduct	*-0.15*	
		For >100 To 250, Deduct	*-0.29*	
		For >250 To 500, Deduct	*-0.55*	
		For >500, Deduct	*-0.87*	
06 05 23 00-0285	EA	1-1/4" Wide x 12" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA12)	3.78	
		For >10 To 50, Deduct	*-0.06*	
		For >50 To 100, Deduct	*-0.15*	
		For >100 To 250, Deduct	*-0.30*	
		For >250 To 500, Deduct	*-0.56*	
		For >500, Deduct	*-0.88*	
06 05 23 00-0286	EA	1-1/4" Wide x 15" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA15)	4.82	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.19*	
		For >100 To 250, Deduct	*-0.38*	
		For >250 To 500, Deduct	*-0.71*	
		For >500, Deduct	*-1.12*	
06 05 23 00-0287	EA	1-1/4" Wide x 18" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA18)	5.04	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.20*	
		For >100 To 250, Deduct	*-0.39*	
		For >250 To 500, Deduct	*-0.72*	
		For >500, Deduct	*-1.14*	
06 05 23 00-0288	EA	1-1/4" Wide x 21" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA21)	5.14	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.20*	
		For >100 To 250, Deduct	*-0.40*	
		For >250 To 500, Deduct	*-0.73*	
		For >500, Deduct	*-1.15*	
06 05 23 00-0289	EA	1-1/4" Wide x 24" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA24)	5.86	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.46*	
		For >250 To 500, Deduct	*-0.85*	
		For >500, Deduct	*-1.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0290	EA	1-1/4" Wide x 30" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA30)	7.32	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 250, Deduct	*-0.53*	
		For >250 To 500, Deduct	*-0.96*	
		For >500, Deduct	*-1.49*	
06 05 23 00-0291	EA	1-1/4" Wide x 36" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA36)	8.11	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.30*	
		For >100 To 250, Deduct	*-0.60*	
		For >250 To 500, Deduct	*-1.09*	
		For >500, Deduct	*-1.70*	
06 05 23 00-0292	EA	1-1/4" Wide x 36" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA49)	12.86	
		For >10 To 50, Deduct	*-0.11*	
		For >50 To 100, Deduct	*-0.43*	
		For >100 To 250, Deduct	*-0.86*	
		For >250 To 500, Deduct	*-1.52*	
		For >500, Deduct	*-2.30*	
06 05 23 00-0293	EA	1-1/4" Wide x 9" Long, 16 Gauge, Galvanized Strap Tie (Simpson Strong Tie® ST9)	4.32	
		For >10 To 50, Deduct	*-0.06*	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.33*	
		For >250 To 500, Deduct	*-0.60*	
		For >500, Deduct	*-0.94*	
06 05 23 00-0294	EA	1-1/4" Wide x 12" Long, 16 Gauge, Galvanized Strap Tie (Simpson Strong Tie® ST12)	4.34	
		For >10 To 50, Deduct	*-0.06*	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.33*	
		For >250 To 500, Deduct	*-0.60*	
		For >500, Deduct	*-0.94*	
06 05 23 00-0295	EA	1-1/4" Wide x 18" Long, 16 Gauge, Galvanized Strap Tie (Simpson Strong Tie® ST18)	5.27	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.20*	
		For >100 To 250, Deduct	*-0.40*	
		For >250 To 500, Deduct	*-0.74*	
		For >500, Deduct	*-1.16*	
06 05 23 00-0296	EA	1-1/4" Wide x 22" Long, 16 Gauge, Galvanized Strap Tie (Simpson Strong Tie® ST22)	7.32	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 250, Deduct	*-0.53*	
		For >250 To 500, Deduct	*-0.96*	
		For >500, Deduct	*-1.49*	
06 05 23 00-0297	EA	1-3/8" Wide x 6" Long, 12 Gauge, Galvanized Strap Tie (Simpson Strong Tie® HRS6)	6.27	
		For >10 To 50, Deduct	*-0.06*	
		For >50 To 100, Deduct	*-0.21*	
		For >100 To 250, Deduct	*-0.42*	
		For >250 To 500, Deduct	*-0.75*	
		For >500, Deduct	*-1.13*	
06 05 23 00-0298	EA	1-3/8" Wide x 8" Long, 12 Gauge, Galvanized Strap Tie (Simpson Strong Tie® HRS8)	6.93	
		For >10 To 50, Deduct	*-0.06*	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.46*	
		For >250 To 500, Deduct	*-0.79*	
		For >500, Deduct	*-1.20*	
06 05 23 00-0299	EA	1-3/8" Wide x 12" Long, 12 Gauge, Galvanized Strap Tie (Simpson Strong Tie® HRS12)	9.10	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.30*	
		For >100 To 250, Deduct	*-0.59*	
		For >250 To 500, Deduct	*-1.03*	
		For >500, Deduct	*-1.54*	
06 05 23 00-0300	EA	2-1/16" Wide x 27" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST27)	13.57	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.42*	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.43*	
		For >500, Deduct	*-2.12*	
06 05 23 00-0301	EA	2-1/16" Wide x 37" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST37)	16.92	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.52*	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.75*	
		For >500, Deduct	*-2.58*	
06 05 23 00-0302	EA	2-1/16" Wide x 48" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST48)	25.08	
		For >10 To 50, Deduct	*-0.11*	
		For >50 To 100, Deduct	*-0.74*	
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-2.43*	
		For >500, Deduct	*-3.52*	
06 05 23 00-0303	EA	2-1/16" Wide x 60" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST60)	43.78	
		For >10 To 50, Deduct	*-0.12*	
		For >50 To 100, Deduct	*-1.22*	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-3.90*	
		For >500, Deduct	*-5.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0304	EA	2-1/16" Wide x 72" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST72)	56.47	
		For >10 To 50, Deduct	*-0.14*	
		For >50 To 100, Deduct	*-1.55*	
		For >100 To 250, Deduct	*-3.10*	
		For >250 To 500, Deduct	*-4.93*	
		For >500, Deduct	*-6.92*	
06 05 23 00-0305	EA	3" Wide x 28-1/4" Long, 16 Gauge, Galvanized Strap Ties (Simpson Strong Tie® MSTC28)	16.21	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.49*	
		For >100 To 250, Deduct	*-0.98*	
		For >250 To 500, Deduct	*-1.63*	
		For >500, Deduct	*-2.38*	
06 05 23 00-0306	EA	3" Wide x 40-1/4" Long, 16 Gauge, Galvanized Strap Ties (Simpson Strong Tie® MSTC40)	20.94	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.62*	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-2.05*	
		For >500, Deduct	*-2.98*	
06 05 23 00-0307	EA	3" Wide x 52-1/4" Long, 16 Gauge, Galvanized Strap Ties (Simpson Strong Tie® MSTC52)	24.45	
		For >10 To 50, Deduct	*-0.11*	
		For >50 To 100, Deduct	*-0.72*	
		For >100 To 250, Deduct	*-1.44*	
		For >250 To 500, Deduct	*-2.39*	
		For >500, Deduct	*-3.46*	
06 05 23 00-0308	EA	3" Wide x 66-1/4" Long, 16 Gauge, Galvanized Strap Ties (Simpson Strong Tie® MSTC66)	37.29	
		For >10 To 50, Deduct	*-0.12*	
		For >50 To 100, Deduct	*-1.06*	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-3.42*	
		For >500, Deduct	*-4.87*	

06 05 23 00-0309 Twist Strap Ties *(06 05 23 00-0271)*

06 05 23 00-0310	EA	1-1/4" Wide x 12" Long, 18 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® LTS12)	3.86	
		For >10 To 50, Deduct	*-0.06*	
		For >50 To 100, Deduct	*-0.15*	
		For >100 To 250, Deduct	*-0.30*	
		For >250 To 500, Deduct	*-0.56*	
		For >500, Deduct	*-0.89*	
06 05 23 00-0311	EA	1-1/4" Wide x 16" Long, 18 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® LTS16)	4.87	
		For >10 To 50, Deduct	*-0.06*	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.37*	
		For >250 To 500, Deduct	*-0.68*	
		For >500, Deduct	*-1.06*	
06 05 23 00-0312	EA	1-1/4" Wide x 18" Long, 18 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® LTS18)	5.61	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.21*	
		For >100 To 250, Deduct	*-0.42*	
		For >250 To 500, Deduct	*-0.77*	
		For >500, Deduct	*-1.20*	
06 05 23 00-0313	EA	1-1/4" Wide x 20" Long, 18 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® LTS20)	6.07	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.46*	
		For >250 To 500, Deduct	*-0.83*	
		For >500, Deduct	*-1.30*	
06 05 23 00-0314	EA	1-1/4" Wide x 12" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS12)	3.81	
		For >10 To 50, Deduct	*-0.06*	
		For >50 To 100, Deduct	*-0.15*	
		For >100 To 250, Deduct	*-0.30*	
		For >250 To 500, Deduct	*-0.56*	
		For >500, Deduct	*-0.89*	
06 05 23 00-0315	EA	1-1/4" Wide x 16" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS16)	4.95	
		For >10 To 50, Deduct	*-0.06*	
		For >50 To 100, Deduct	*-0.19*	
		For >100 To 250, Deduct	*-0.37*	
		For >250 To 500, Deduct	*-0.68*	
		For >500, Deduct	*-1.07*	
06 05 23 00-0316	EA	1-1/4" Wide x 18" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS18)	5.75	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.21*	
		For >100 To 250, Deduct	*-0.43*	
		For >250 To 500, Deduct	*-0.78*	
		For >500, Deduct	*-1.21*	
06 05 23 00-0317	EA	1-1/4" Wide x 20" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS20)	6.12	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.46*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0318	EA	1-1/4" Wide x 24" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS24)	8.41	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.29*	
		For >100 To 250, Deduct	*-0.59*	
		For >250 To 500, Deduct	*-1.04*	
		For >500, Deduct	*-1.60*	
06 05 23 00-0319	EA	1-1/4" Wide x 16" Long, 14 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® HTS16)	6.44	
		For >10 To 50, Deduct	*-0.06*	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.79*	
		For >500, Deduct	*-1.22*	
06 05 23 00-0320	EA	1-1/4" Wide x 20" Long, 14 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® HTS20)	7.69	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 250, Deduct	*-0.54*	
		For >250 To 500, Deduct	*-0.96*	
		For >500, Deduct	*-1.47*	
06 05 23 00-0321	EA	1-1/4" Wide x 24" Long, 14 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® HTS24)	8.95	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.31*	
		For >100 To 250, Deduct	*-0.61*	
		For >250 To 500, Deduct	*-1.09*	
		For >500, Deduct	*-1.66*	

06 05 23 00-0322 Retrofit Plate Strap *(06 05 23 00-0271)*

06 05 23 00-0323	EA	1-3/8" Wide x 18-5/16" Long, 16 Gauge, Galvanized Retrofit Plate Strap (Simpson Strong Tie® RPS18)	6.43	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.46*	
		For >250 To 500, Deduct	*-0.83*	
		For >500, Deduct	*-1.28*	
06 05 23 00-0324	EA	1-3/8" Wide x 22-5/16" Long, 16 Gauge, Galvanized Retrofit Plate Strap (Simpson Strong Tie® RPS22)	7.37	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.51*	
		For >250 To 500, Deduct	*-0.90*	
		For >500, Deduct	*-1.37*	
06 05 23 00-0325	EA	1-3/8" Wide x 28-5/16" Long, 16 Gauge, Galvanized Retrofit Plate Strap (Simpson Strong Tie® RPS28)	8.87	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.29*	
		For >100 To 250, Deduct	*-0.58*	
		For >250 To 500, Deduct	*-1.01*	
		For >500, Deduct	*-1.52*	

06 05 23 00-0326 Stud Shoe *(06 05 23 00-0271)*

06 05 23 00-0327	EA	6" High With 3-1/4" Wide Tabs For 2X Stud, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® SS1.5)	11.05	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.36*	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-1.24*	
		For >500, Deduct	*-1.87*	
06 05 23 00-0328	EA	6" High With 3-1/4" Wide Tabs For 3X Stud, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® SS2.5)	22.07	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.63*	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-2.07*	
		For >500, Deduct	*-2.97*	
06 05 23 00-0329	EA	6" High With 3-1/4" Wide Tabs For 2-2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® SS3)	22.17	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.64*	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-2.08*	
		For >500, Deduct	*-2.98*	
06 05 23 00-0330	EA	6" High With 3-1/4" Wide Tabs For 3-2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® SS4.5)	29.82	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.83*	
		For >100 To 250, Deduct	*-1.66*	
		For >250 To 500, Deduct	*-2.65*	
		For >500, Deduct	*-3.74*	
06 05 23 00-0331	EA	7-1/8" High With 3-1/4" Wide Tabs For 2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® HSS2-SDS1.5)	28.00	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.78*	
		For >100 To 250, Deduct	*-1.57*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.56*	
06 05 23 00-0332	EA	7-1/8" High With 3-1/4" Wide Tabs For 2-2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie HSS2-2-SDS3)	30.36	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.84*	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.69*	
		For >500, Deduct	*-3.80*	

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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0333	EA	7-1/8" High With 3-1/4" Wide Tabs For 3-2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® HSS2-3-SDS3)	32.16	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.89*	
		For >100 To 250, Deduct	*-1.77*	
		For >250 To 500, Deduct	*-2.83*	
		For >500, Deduct	*-3.98*	
06 05 23 00-0334	EA	7-1/8" High With 3-1/4" Wide Tabs For 4X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® HSS4-SDS3)	48.77	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-1.30*	
		For >100 To 250, Deduct	*-2.60*	
		For >250 To 500, Deduct	*-4.07*	
		For >500, Deduct	*-5.64*	

06 05 23 00-0335 Nail Stops *(06 05 23 00-0271)*

06 05 23 00-0336	EA	1-1/2" Wide x 3" Long, 16 Gauge, Galvanized Nail Stops (Simpson Strong Tie® NS1)	3.00	
		For >10 To 50, Deduct	*-0.06*	
		For >50 To 100, Deduct	*-0.13*	
		For >100 To 250, Deduct	*-0.26*	
		For >250 To 500, Deduct	*-0.50*	
		For >500, Deduct	*-0.81*	
06 05 23 00-0337	EA	1-1/2" Wide x 6" Long, 16 Gauge, Galvanized Nail Stops (Simpson Strong Tie® NS2)	3.16	
		For >10 To 50, Deduct	*-0.06*	
		For >50 To 100, Deduct	*-0.13*	
		For >100 To 250, Deduct	*-0.27*	
		For >250 To 500, Deduct	*-0.51*	
		For >500, Deduct	*-0.82*	

06 05 73 Wood Treatment *(06 05)*

06 05 73 13 Fire-Retardant Wood Treatment *(06 05 73)*

06 05 73 13-0001 Preservative Treated Lumber *(06 05 73 13)*

06 05 73 13-0002 Fire Retardant Treatment (FRT) For Lumber *(06 05 73 13-0001)*

06 05 73 13-0003	MBF	Fire Retardant Treatment (FRT) For Lumber	794.65	

06 05 73 33 Preservative Wood Treatment *(06 05 73)*

06 05 73 33-0001 Preservative Treatment For Marine And Fresh Water Uses *(06 05 73 33)*

06 05 73 33-0002	MBF	Preservative Treatment For Marine And Fresh Water Lumber	127.17	

06 10 Rough Carpentry *(06)*

06 11 Wood Framing *(06 10)*

Note: All framing lumber is grade #2 or better unless otherwise listed. Dimensions are nominal. See CSI section 06 05 23 00-0000 for anchors and supports.

06 11 13 Engineered Wood Products *(06 11)*

Note: All framing lumber is grade #2 or better unless otherwise listed. Dimensions are nominal.

06 11 13 00-0001 Built-Up Members *(06 11 13)*

Note: A structural framing member made from fastening separate pieces of lumber together.

06 11 13 00-0002 Built-Up Beams Or Joists *(06 11 13 00-0001)*

06 11 13 00-0003	LF	Two 2" x 6" Built-up Wood Beam Or Joist	4.45		1.89
		For Each Additional 2" x_" In The Built Up Member, Add	*0.78*		
06 11 13 00-0004	LF	Two 2" x 8" Built-up Wood Beam Or Joist	5.56		2.23
		For Each Additional 2" x_" In The Built Up Member, Add	*1.11*		
06 11 13 00-0005	LF	Two 2" x 10" Built-up Wood Beam Or Joist	7.09		2.67
		For Each Additional 2" x_" In The Built Up Member, Add	*1.54*		

06 11 13 00-0006 Built-Up Posts *(06 11 13 00-0001)*

06 11 13 00-0007	LF	Two 2" x 6" Built-up Wood Post	4.45		1.89
		For Each Additional 2" x_" In The Built Up Member, Add	*0.78*		
06 11 13 00-0008	LF	Two 2" x 8" Built-up Wood Post	5.56		2.23
		For Each Additional 2" x_" In The Built Up Member, Add	*1.11*		
06 11 13 00-0009	LF	Two 2" x 10" Built-up Wood Post	7.09		2.67
		For Each Additional 2" x_" In The Built Up Member, Add	*1.54*		

06 11 16 Mechanically Graded Lumber *(06 11)*

06 11 16 00-0001 Rafters And Joists *(06 11 16)*

06 11 16 00-0002 Rafters *(06 11 16 00-0001)*

Note: An inclined roof framing member to which a roof covering is attached.

06 11 16 00-0003	LF	2" x 6" Wood Rafter	2.56		1.33
06 11 16 00-0004	LF	2" x 8" Wood Rafter	3.00		1.44

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0005	LF	2" x 10" Wood Rafter	4.32	2.12
06 11 16 00-0006	LF	2" x 12" Wood Rafter	4.98	2.34
06 11 16 00-0007	LF	2" x 14" Wood Rafter	5.41	2.56
06 11 16 00-0008	LF	2" x 6" Pressure Treated Wood Rafter	3.01	1.33
06 11 16 00-0009	LF	2" x 8" Pressure Treated Wood Rafter	3.61	1.44
06 11 16 00-0010	LF	2" x 10" Pressure Treated Wood Rafter	4.91	2.12
06 11 16 00-0011	LF	2" x 12" Pressure Treated Wood Rafter	5.89	2.34
06 11 16 00-0012		**Joists** *(06 11 16 00-0001)*		
		Note: A series of parallel beams to support floors or ceilings.		
06 11 16 00-0013	LF	2" x 6" Wood Floor Joist	2.22	1.11
06 11 16 00-0014	LF	2" x 8" Wood Floor Joist	2.78	1.22
06 11 16 00-0015	LF	2" x 10" Wood Floor Joist	3.54	1.56
06 11 16 00-0016	LF	2" x 12" Wood Floor Joist	4.21	1.78
06 11 16 00-0017	LF	2" x 14" Wood Floor Joist	4.63	1.89
06 11 16 00-0018	LF	2" x 6" Pressure Treated Wood Floor Joist	2.67	1.11
06 11 16 00-0019	LF	2" x 8" Pressure Treated Wood Floor Joist	3.39	1.22
06 11 16 00-0020	LF	2" x 10" Pressure Treated Wood Floor Joist	4.13	1.56
06 11 16 00-0021	LF	2" x 12" Pressure Treated Wood Floor Joist	5.12	1.78
06 11 16 00-0022		**Purlins** *(06 11 16 00-0001)*		
		Note: A horizontal structural member in a roof, supporting the loads from the roof deck or sheathing.		
06 11 16 00-0023	LF	2" x 4" Wood Purlin	1.80	0.67
06 11 16 00-0024	LF	2" x 6" Wood Purlin	2.24	0.73
06 11 16 00-0025	LF	2" x 8" Wood Purlin	2.73	0.81
06 11 16 00-0026	LF	2" x 10" Wood Purlin	3.32	0.89
06 11 16 00-0027	LF	2" x 4" Pressure Treated Wood Purlin	2.07	0.67
06 11 16 00-0028	LF	2" x 6" Pressure Treated Wood Purlin	2.69	0.73
06 11 16 00-0029	LF	2" x 8" Pressure Treated Wood Purlin	3.34	0.81
06 11 16 00-0030	LF	2" x 10" Pressure Treated Wood Purlin	3.91	0.89
06 11 16 00-0031		**Exposed Rafters Or Joists** *(06 11 16 00-0001)*		
06 11 16 00-0032		**Redwood Rafters Or Joists** *(06 11 16 00-0031)*		
06 11 16 00-0033	LF	2" x 6" Redwood Rafter Or Joist	3.37	1.11
06 11 16 00-0034	LF	2" x 8" Redwood Rafter Or Joist	4.11	1.22
06 11 16 00-0035	LF	2" x 10" Redwood Rafter Or Joist	5.12	1.56
06 11 16 00-0036	LF	2" x 12" Redwood Rafter Or Joist	6.21	1.78
06 11 16 00-0037		**Cedar Rafters Or Joists** *(06 11 16 00-0031)*		
06 11 16 00-0038	LF	2" x 6" Cedar Rafter Or Joist	2.23	1.11
06 11 16 00-0039	LF	2" x 8" Cedar Rafter Or Joist	2.51	1.22
06 11 16 00-0040	LF	2" x 10" Cedar Rafter Or Joist	2.89	1.56
06 11 16 00-0041	LF	2" x 12" Cedar Rafter Or Joist	3.28	1.78
06 11 16 00-0042		**Oak Rafters Or Joists** *(06 11 16 00-0031)*		
06 11 16 00-0043	LF	2" x 6" Oak Rafter Or Joist	2.70	1.11
06 11 16 00-0044	LF	2" x 8" Oak Rafter Or Joist	3.69	1.22
06 11 16 00-0045	LF	2" x 10" Oak Rafter Or Joist	4.79	1.56
06 11 16 00-0046	LF	2" x 12" Oak Rafter Or Joist	5.90	1.78
06 11 16 00-0047		**Framing** *(06 11 16)*		
06 11 16 00-0048		**Partition Framing** *(06 11 16 00-0047)*		
06 11 16 00-0049	LF	2" x 4" Wood Stud Framing, For Partition Walls	1.75	0.89
06 11 16 00-0050	LF	2" x 6" Wood Stud Framing, For Partition Walls	2.11	0.95
06 11 16 00-0051	LF	2" x 8" Wood Stud Framing, For Partition Walls	2.50	1.00
06 11 16 00-0052	LF	2" x 4" Pressure Treated Wood Stud Framing, For Partition Walls	2.02	0.89
06 11 16 00-0053	LF	2" x 6" Pressure Treated Wood Stud Framing, For Partition Walls	2.56	0.95
06 11 16 00-0054	LF	2" x 8" Pressure Treated Wood Stud Framing, For Partition Walls	3.11	1.00
06 11 16 00-0055		**Wall Framing Assemblies By The SF** *(06 11 16 00-0047)*		
		Note: Includes single bottom and double top plates, center support bracing, vertical studs and appropriate fastening devices. Excludes blocking for wall mounted fixtures or cabinets. Per SF of wall area measures one side. Do not deduct for openings of less than 25 SF when calculating total wall square footage.		
06 11 16 00-0056		**Wall Framing By The SF, 12" On Center** *(06 11 16 00-0055)*		
06 11 16 00-0057	SF	2" x 4" At 12" On Center, Wood Wall Framing Assembly	2.26	1.07
		For Up To 200, Add	*0.77*	
		For >200 To 500, Add	*0.39*	
06 11 16 00-0058	SF	2" x 6" At 12" On Center, Wood Wall Framing Assembly	3.04	1.38
		For Up To 200, Add	*1.01*	
		For >200 To 500, Add	*0.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0059	SF	2" x 8" At 12" On Center, Wood Wall Framing Assembly	4.06	1.84
		For Up To 200, Add	*1.36*	
		For >200 To 500, Add	*0.68*	
06 11 16 00-0060		**Wall Framing By The SF, 16" On Center** *(06 11 16 00-0055)*		
06 11 16 00-0061	SF	2" x 4" At 16" On Center, Wood Wall Framing Assembly	1.84	0.86
		For Up To 200, Add	*0.62*	
		For >200 To 500, Add	*0.31*	
06 11 16 00-0062	SF	2" x 6" At 16" On Center, Wood Wall Framing Assembly	2.52	1.15
		For Up To 200, Add	*0.84*	
		For >200 To 500, Add	*0.42*	
06 11 16 00-0063	SF	2" x 8" At 16" On Center, Wood Wall Framing Assembly	3.37	1.54
		For Up To 200, Add	*1.13*	
		For >200 To 500, Add	*0.56*	
06 11 16 00-0064		**Wall Framing By The SF, 24" On Center** *(06 11 16 00-0055)*		
06 11 16 00-0065	SF	2" x 4" At 24" On Center, Wood Wall Framing Assembly	1.45	0.68
		For Up To 200, Add	*0.49*	
		For >200 To 500, Add	*0.25*	
06 11 16 00-0066	SF	2" x 6" At 24" On Center, Wood Wall Framing Assembly	1.98	0.89
		For Up To 200, Add	*0.66*	
		For >200 To 500, Add	*0.33*	
06 11 16 00-0067	SF	2" x 8" At 24" On Center, Wood Wall Framing Assembly	2.65	1.19
		For Up To 200, Add	*0.88*	
		For >200 To 500, Add	*0.44*	
06 11 16 00-0068		**Sills And Plates** *(06 11 16)*		
06 11 16 00-0069		**Sills** *(06 11 16 00-0068)*		
		Note: A horizontal member which rests on and is attached to the foundation.		
06 11 16 00-0070	LF	2" x 4" Wood Sill	2.97	1.67
06 11 16 00-0071	LF	2" x 6" Wood Sill	3.56	1.89
06 11 16 00-0072	LF	2" x 8" Wood Sill	4.25	2.12
06 11 16 00-0073	LF	2" x 4" Pressure Treated Wood Sill	3.24	1.67
06 11 16 00-0074	LF	2" x 6" Pressure Treated Wood Sill	4.01	1.89
06 11 16 00-0075	LF	2" x 8" Pressure Treated Wood Sill	4.86	2.12
06 11 16 00-0076		**Plates** *(06 11 16 00-0068)*		
		Note: A horizontal member connecting and terminating studs, posts, joists, rafters, etc. such as the top and bottom plate on a stud framed partition wall.		
06 11 16 00-0077	LF	2" x 4" Wood Plate	2.97	1.67
06 11 16 00-0078	LF	2" x 6" Wood Plate	3.56	1.89
06 11 16 00-0079	LF	2" x 8" Wood Plate	4.22	2.12
06 11 16 00-0080	LF	2" x 4" Pressure Treated Wood Plate	3.24	1.67
06 11 16 00-0081	LF	2" x 6" Pressure Treated Wood Plate	4.01	1.89
06 11 16 00-0082	LF	2" x 8" Pressure Treated Wood Plate	4.83	2.12
06 11 16 00-0083		**Sills And Plates From Redwood** *(06 11 16 00-0068)*		
06 11 16 00-0084		**Construction Grade/Rough** *(06 11 16 00-0083)*		
06 11 16 00-0085	LF	2" x 6" Redwood, Construction Grade/Rough	6.13	1.89
06 11 16 00-0086	LF	2" x 8" Redwood, Construction Grade/Rough	8.24	2.12
06 11 16 00-0087	LF	2" x 10" Redwood, Construction Grade/Rough	10.04	2.34
06 11 16 00-0088	LF	2" x 12" Redwood, Construction Grade/Rough	12.13	2.56
06 11 16 00-0089		**Con Heart/Smooth** *(06 11 16 00-0083)*		
06 11 16 00-0090	LF	2" x 6" Redwood, Con Heart/Smooth	7.55	1.89
06 11 16 00-0091	LF	2" x 8" Redwood, Con Heart/Smooth	10.38	2.12
06 11 16 00-0092	LF	2" x 10" Redwood, Con Heart/Smooth	13.67	2.34
06 11 16 00-0093	LF	2" x 12" Redwood, Con Heart/Smooth	16.43	2.56
06 11 16 00-0094		**Suspended Ceiling Framing** *(06 11 16)*		
06 11 16 00-0095	LF	1" x 2" Wood Suspended Ceiling Framing	2.44	1.44
06 11 16 00-0096	LF	1" x 3" Wood Suspended Ceiling Framing	2.66	1.56
06 11 16 00-0097	LF	1" x 4" Wood Suspended Ceiling Framing	2.79	1.67
06 11 16 00-0098	LF	2" x 2" Wood Suspended Ceiling Framing	2.88	1.67
06 11 16 00-0099	LF	2" x 4" Wood Suspended Ceiling Framing	3.41	1.89
06 11 16 00-0100	LF	1" x 2" Pressure Treated Wood Suspended Ceiling Framing	2.67	1.44
06 11 16 00-0101	LF	1" x 3" Pressure Treated Wood Suspended Ceiling Framing	2.68	1.56
06 11 16 00-0102	LF	1" x 4" Pressure Treated Wood Suspended Ceiling Framing	2.95	1.67
06 11 16 00-0103	LF	2" x 2" Pressure Treated Wood Suspended Ceiling Framing	3.11	1.67
06 11 16 00-0104	LF	2" x 4" Pressure Treated Wood Suspended Ceiling Framing	3.63	1.89
06 11 16 00-0105		**Posts And Girts** *(06 11 16)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0106		**Posts** *(06 11 16 00-0105)*		
		Note: A vertical, upright framing member.		
06 11 16 00-0107	LF	4" x 4" Wood Post	4.32	2.12
06 11 16 00-0108	LF	4" x 5" Wood Post	4.94	2.45
06 11 16 00-0109	LF	4" x 6" Wood Post	5.45	2.67
06 11 16 00-0110	LF	6" x 6" Wood Post	6.05	2.89
06 11 16 00-0111	LF	8" x 8" Wood Post	6.66	3.00
06 11 16 00-0112	LF	10" x 10" Wood Post	7.27	3.45
06 11 16 00-0113	LF	4" x 4" Pressure Treated Wood Post	5.92	2.12
06 11 16 00-0114	LF	3" x 6" Pressure Treated Wood Post	6.82	2.67
06 11 16 00-0115	LF	4" x 6" Pressure Treated Wood Post	8.35	2.67
06 11 16 00-0116	LF	6" x 6" Pressure Treated Wood Post	11.73	2.89
06 11 16 00-0117		**Girts** *(06 11 16 00-0105)*		
		Note: A horizontal member at intermediate level between columns, studs, or posts.		
06 11 16 00-0118	LF	2" x 4" Wood Girt	2.08	0.80
06 11 16 00-0119	LF	2" x 6" Wood Girt	2.54	0.87
06 11 16 00-0120	LF	2" x 8" Wood Girt	3.04	0.97
06 11 16 00-0121	LF	2" x 10" Wood Girt	3.68	1.07
06 11 16 00-0122	LF	4" x 4" Wood Girt	4.19	1.61
06 11 16 00-0123	LF	4" x 5" Wood Girt	4.80	1.80
06 11 16 00-0124	LF	4" x 6" Wood Girt	5.42	2.00
06 11 16 00-0125	LF	6" x 6" Wood Girt	6.03	2.21
06 11 16 00-0126	LF	8" x 8" Wood Girt	6.65	2.40
06 11 16 00-0127	LF	10" x 10" Wood Girt	7.25	2.61
06 11 16 00-0128	LF	2" x 4" Pressure Treated Wood Girt	2.35	0.80
06 11 16 00-0129	LF	2" x 6" Pressure Treated Wood Girt	2.99	0.87
06 11 16 00-0130	LF	2" x 8" Pressure Treated Wood Girt	3.65	0.97
06 11 16 00-0131	LF	2" x 10" Pressure Treated Wood Girt	4.27	1.07
06 11 16 00-0132	LF	4" x 4" Pressure Treated Wood Girt	5.92	1.61
06 11 16 00-0133	LF	3" x 6" Pressure Treated Wood Girt	6.82	2.00
06 11 16 00-0134	LF	4" x 6" Pressure Treated Wood Girt	8.35	2.00
06 11 16 00-0135	LF	6" x 6" Pressure Treated Wood Girt	11.73	2.21
06 11 16 00-0136		**Construction Grade/Rough Redwood Posts** *(06 11 16 00-0105)*		
06 11 16 00-0137	LF	4" x 4" Redwood, Construction Grade/Rough Post	9.66	2.12
		For Smooth "Clear", Add	*1.29*	
06 11 16 00-0138	LF	4" x 5" Redwood, Construction Grade/Rough Post	11.67	2.45
		For Smooth "Clear", Add	*1.61*	
06 11 16 00-0139	LF	4" x 6" Redwood, Construction Grade/Rough Post	13.72	2.67
		For Smooth "Clear", Add	*1.94*	
06 11 16 00-0140	LF	4" x 8" Redwood, Construction Grade/Rough Post	17.13	2.75
		For Smooth "Clear", Add	*2.59*	
06 11 16 00-0141	LF	4" x 10" Redwood, Construction Grade/Rough Post	20.62	2.93
		For Smooth "Clear", Add	*3.24*	
06 11 16 00-0142	LF	6" x 6" Redwood, Construction Grade/Rough Post	18.98	2.89
		For Smooth "Clear", Add	*2.91*	
06 11 16 00-0143	LF	6" x 8" Redwood, Construction Grade/Rough Post	24.01	3.00
		For Smooth "Clear", Add	*3.89*	
06 11 16 00-0144	LF	6" x 10" Redwood, Construction Grade/Rough Post	28.99	2.82
		For Smooth "Clear", Add	*4.86*	
06 11 16 00-0145	LF	8" x 8" Redwood, Construction Grade/Rough Post	30.72	3.00
		For Smooth "Clear", Add	*5.18*	
06 11 16 00-0146		**Stair Stringers** *(06 11 16)*		
		See CSI section 06 43 13 00-0001 for treads and risers.		
06 11 16 00-0147	LF	2" x 10" Wood Stair Stringer	8.18	4.45
06 11 16 00-0148	LF	2" x 12" Wood Stair Stringer	9.68	5.23
06 11 16 00-0149	LF	2" x 10" Pressure Treated Wood Stair Stringer	8.80	4.45
06 11 16 00-0150	LF	2" x 12" Pressure Treated Wood Stair Stringer	10.57	5.23
06 11 16 00-0151		**Blocking And Sleepers** *(06 11 16)*		
06 11 16 00-0152		**Blocking** *(06 11 16 00-0151)*		
06 11 16 00-0153		**Blocking To Wood** *(06 11 16 00-0152)*		
06 11 16 00-0154	LF	2" x 4" Pressure Treated Wood Blocking To Wood	6.41	2.67
06 11 16 00-0155	LF	2" x 6" Pressure Treated Wood Blocking To Wood	7.65	2.94
06 11 16 00-0156	LF	2" x 8" Pressure Treated Wood Blocking To Wood	8.75	3.23
06 11 16 00-0157	LF	4" x 4" Pressure Treated Wood Blocking To Wood	10.17	3.56
06 11 16 00-0158	LF	4" x 6" Pressure Treated Wood Blocking To Wood	12.39	3.91
06 11 16 00-0159	LF	2" x 4" Wood Blocking To Wood	5.82	2.67
06 11 16 00-0160	LF	2" x 6" Wood Blocking To Wood	6.66	2.94
06 11 16 00-0161	LF	2" x 8" Wood Blocking To Wood	7.58	3.23
06 11 16 00-0162	LF	4" x 4" Wood Blocking To Wood	8.24	3.56
06 11 16 00-0163	LF	4" x 6" Wood Blocking To Wood	9.28	3.91

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0164		**Blocking To Steel** *(06 11 16 00-0152)*		
06 11 16 00-0165	LF	2" x 4" Pressure Treated Wood Blocking To Steel	7.32	3.08
06 11 16 00-0166	LF	2" x 6" Pressure Treated Wood Blocking To Steel	8.71	3.38
06 11 16 00-0167	LF	2" x 8" Pressure Treated Wood Blocking To Steel	9.95	3.72
06 11 16 00-0168	LF	2" x 4" Wood Blocking To Steel	6.66	3.08
06 11 16 00-0169	LF	2" x 6" Wood Blocking To Steel	7.62	3.38
06 11 16 00-0170	LF	2" x 8" Wood Blocking To Steel	8.66	3.72
06 11 16 00-0171		**Blocking To Concrete** *(06 11 16 00-0152)*		
06 11 16 00-0172	LF	2" x 4" Pressure Treated Wood Blocking To Concrete	7.32	3.08
06 11 16 00-0173	LF	2" x 6" Pressure Treated Wood Blocking To Concrete	8.71	3.38
06 11 16 00-0174	LF	2" x 8" Pressure Treated Wood Blocking To Concrete	9.95	3.72
06 11 16 00-0175	LF	2" x 4" Wood Blocking To Concrete	6.66	3.08
06 11 16 00-0176	LF	2" x 6" Wood Blocking To Concrete	7.62	3.38
06 11 16 00-0177	LF	2" x 8" Wood Blocking To Concrete	8.66	3.72
06 11 16 00-0178		**Pressure Treated Lattice** *(06 11 16 00-0151)*		
06 11 16 00-0179	SF	3/4" Thick Pressure Treated Wood Lattice	6.59	2.34
06 11 16 00-0180		**Sleepers** *(06 11 16 00-0151)*		
06 11 16 00-0181		**Sleepers To Wood** *(06 11 16 00-0180)*		
06 11 16 00-0182	LF	1" x 2" Pressure Treated Wood Sleeper On Wood	1.22	0.39
06 11 16 00-0183	LF	1" x 3" Pressure Treated Wood Sleeper On Wood	1.23	0.45
06 11 16 00-0184	LF	1" x 4" Pressure Treated Wood Sleeper On Wood	1.45	0.50
06 11 16 00-0185	LF	2" x 4" Pressure Treated Wood Sleeper On Wood	2.29	0.61
06 11 16 00-0186	LF	2" x 6" Pressure Treated Wood Sleeper On Wood	3.11	0.67
06 11 16 00-0187		**Sleepers To Concrete** *(06 11 16 00-0180)*		
06 11 16 00-0188	LF	1" x 2" Pressure Treated Wood Sleeper On Concrete	1.26	0.39
06 11 16 00-0189	LF	1" x 3" Pressure Treated Wood Sleeper On Concrete	1.26	0.45
06 11 16 00-0190	LF	1" x 4" Pressure Treated Wood Sleeper On Concrete	1.49	0.50
06 11 16 00-0191	LF	2" x 4" Pressure Treated Wood Sleeper On Concrete	2.40	0.61
06 11 16 00-0192	LF	2" x 6" Pressure Treated Wood Sleeper On Concrete	3.29	0.67
06 11 16 00-0193		**Roofing Nailers** *(06 11 16)*		
06 11 16 00-0194	LF	2" x 4" Pressure Treated Lumber, For Roofing Nailers	3.30	0.89
06 11 16 00-0195	LF	2" x 6" Pressure Treated Lumber, For Roofing Nailers	3.90	0.95
06 11 16 00-0196	LF	2" x 8" Pressure Treated Lumber, For Roofing Nailers	4.50	1.00
06 11 16 00-0197		**Roofing Sleepers** *(06 11 16)*		
06 11 16 00-0198	LF	2" x 4" Pressure Treated Lumber, For Roofing Sleepers	1.57	
06 11 16 00-0199	LF	4" x 4" Pressure Treated Lumber, For Roofing Sleepers	4.35	
06 11 16 00-0200	LF	4" x 6" Pressure Treated Lumber, For Roofing Sleepers	6.34	
06 11 16 00-0201	LF	6" x 6" Pressure Treated Lumber, For Roofing Sleepers	9.55	
06 11 16 00-0202		**Canopy Framing, Bridging, And Furring** *(06 11 16)*		
06 11 16 00-0203		**Wood And Steel Bridging** *(06 11 16 00-0202)*		
06 11 16 00-0204		**Wood Bridging** *(06 11 16 00-0203)*		
06 11 16 00-0205	EA	1 Pair Wood Bridging, 1" x 3" Cross Type Note: For joists spaced at 16" on center.	8.98	3.90
06 11 16 00-0206	EA	1 Pair Wood Bridging, 2" x 3" Cross Type Note: For joists spaced at 16" on center.	9.23	3.90
06 11 16 00-0207		**Steel Bridging** *(06 11 16 00-0203)*		
06 11 16 00-0208	EA	1 Pair Steel Bridging, Wood Joists At 16" On Center	11.43	3.90
06 11 16 00-0209	EA	1 Pair Steel Bridging, Wood Joists At 24" On Center	11.39	3.90
06 11 16 00-0210		**Light Framing, Trim And Furring** *(06 11 16 00-0202)*		
06 11 16 00-0211		**Pine/Spruce/Fir Light Framing, Trim And Furring** *(06 11 16 00-0210)* Note: S4S board, select grade 1		
06 11 16 00-0212	LF	1" x 1" Pine/Spruce/Fir Light Framing, Trim And Furring	1.97	0.92
06 11 16 00-0213	LF	1" x 2" Pine/Spruce/Fir Light Framing, Trim And Furring	2.21	1.00
06 11 16 00-0214	LF	1" x 4" Pine/Spruce/Fir Light Framing, Trim And Furring	2.55	1.10
06 11 16 00-0215	LF	1" x 6" Pine/Spruce/Fir Light Framing, Trim And Furring	2.83	1.21
06 11 16 00-0216	LF	1" x 8" Pine/Spruce/Fir Light Framing, Trim And Furring	3.15	1.33
06 11 16 00-0217	LF	1" x 10" Pine/Spruce/Fir Light Framing, Trim And Furring	3.48	1.46
06 11 16 00-0218	LF	2" x 2" Pine/Spruce/Fir Light Framing, Trim And Furring	2.85	1.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0219	LF	2" x 4" Pine/Spruce/Fir Light Framing, Trim And Furring	3.19	1.33
06 11 16 00-0220	LF	2" x 6" Pine/Spruce/Fir Light Framing, Trim And Furring	3.72	1.46
06 11 16 00-0221	LF	2" x 8" Pine/Spruce/Fir Light Framing, Trim And Furring	4.33	1.62
06 11 16 00-0222	LF	2" x 10" Pine/Spruce/Fir Light Framing, Trim And Furring	5.09	1.78
06 11 16 00-0223		Cedar Light Framing, Trim And Furring *(06 11 16 00-0210)*		
		Note: S4S board, select grade 1		
06 11 16 00-0224	LF	1" x 1" Cedar Light Framing, Trim And Furring	1.99	0.92
06 11 16 00-0225	LF	1" x 2" Cedar Light Framing, Trim And Furring	2.34	1.00
06 11 16 00-0226	LF	1" x 4" Cedar Light Framing, Trim And Furring	3.05	1.10
06 11 16 00-0227	LF	1" x 6" Cedar Light Framing, Trim And Furring	3.68	1.21
06 11 16 00-0228	LF	1" x 8" Cedar Light Framing, Trim And Furring	5.39	1.33
06 11 16 00-0229	LF	1" x 10" Cedar Light Framing, Trim And Furring	6.34	1.46
06 11 16 00-0230	LF	2" x 2" Cedar Light Framing, Trim And Furring	3.17	1.21
06 11 16 00-0231	LF	2" x 4" Cedar Light Framing, Trim And Furring	3.67	1.33
06 11 16 00-0232		Oak Light Framing, Trim And Furring *(06 11 16 00-0210)*		
		Note: S4S board, select grade 1		
06 11 16 00-0233	LF	1" x 1" Oak Light Framing, Trim And Furring	2.00	0.92
06 11 16 00-0234	LF	1" x 2" Oak Light Framing, Trim And Furring	2.36	1.00
06 11 16 00-0235	LF	1" x 4" Oak Light Framing, Trim And Furring	2.93	1.10
06 11 16 00-0236	LF	1" x 6" Oak Light Framing, Trim And Furring	3.50	1.21
06 11 16 00-0237	LF	1" x 8" Oak Light Framing, Trim And Furring	4.10	1.33
06 11 16 00-0238	LF	1" x 10" Oak Light Framing, Trim And Furring	4.73	1.46
06 11 16 00-0239	LF	2" x 2" Oak Light Framing, Trim And Furring	3.14	1.21
06 11 16 00-0240	LF	2" x 4" Oak Light Framing, Trim And Furring	4.11	1.33
06 11 16 00-0241		Redwood Light Framing, Trim And Furring *(06 11 16 00-0210)*		
		Note: S4S board, select grade 1		
06 11 16 00-0242	LF	1" x 1" Redwood Light Framing, Trim And Furring	1.95	0.92
06 11 16 00-0243	LF	1" x 2" Redwood Light Framing, Trim And Furring	2.26	1.00
06 11 16 00-0244	LF	1" x 4" Redwood Light Framing, Trim And Furring	2.75	1.10
06 11 16 00-0245	LF	1" x 6" Redwood Light Framing, Trim And Furring	3.28	1.21
06 11 16 00-0246	LF	1" x 8" Redwood Light Framing, Trim And Furring	3.88	1.33
06 11 16 00-0247	LF	1" x 10" Redwood Light Framing, Trim And Furring	4.53	1.46
06 11 16 00-0248	LF	2" x 2" Redwood Light Framing, Trim And Furring	3.30	1.21
06 11 16 00-0249	LF	2" x 4" Redwood Light Framing, Trim And Furring	3.90	1.33
06 11 16 00-0250		Poplar Light Framing, Trim And Furring *(06 11 16 00-0210)*		
		Note: S4S board, select grade 1		
06 11 16 00-0251	LF	1" x 1" Poplar Light Framing, Trim And Furring	2.25	0.92
06 11 16 00-0252	LF	1" x 2" Poplar Light Framing, Trim And Furring	2.74	1.00
06 11 16 00-0253	LF	1" x 4" Poplar Light Framing, Trim And Furring	3.43	1.10
06 11 16 00-0254	LF	1" x 6" Poplar Light Framing, Trim And Furring	4.32	1.21
06 11 16 00-0255	LF	1" x 8" Poplar Light Framing, Trim And Furring	5.01	1.33
06 11 16 00-0256	LF	1" x 10" Poplar Light Framing, Trim And Furring	6.56	1.46
06 11 16 00-0257	LF	1" x 12" Poplar Light Framing, Trim And Furring	7.08	1.46
06 11 16 00-0258	LF	2" x 2" Poplar Light Framing, Trim And Furring	5.61	1.21
06 11 16 00-0259	LF	2" x 4" Poplar Light Framing, Trim And Furring	6.29	1.33
06 11 16 00-0260	LF	2" x 6" Poplar Light Framing, Trim And Furring	8.36	1.46
06 11 16 00-0261		Maple Light Framing, Trim And Furring *(06 11 16 00-0210)*		
		Note: S4S board, select grade 1		
06 11 16 00-0262	LF	1" x 4" Maple Light Framing, Trim And Furring	4.23	1.10
06 11 16 00-0263	LF	1" x 6" Maple Light Framing, Trim And Furring	5.57	1.21
06 11 16 00-0264	LF	1" x 8" Maple Light Framing, Trim And Furring	6.95	1.33

06 13 Heavy Timber Construction *(06 10)*

06 13 23 Heavy Timber Framing *(06 13)*

06 13 23 00-0001 Heavy Timber Framing *(06 13 23)*

Note: Excludes fasteners. See CSI section 06 05 23 00-0093 for bolts and fasteners.

06 13 23 00-0002 Heavy Timber Beams *(06 13 23 00-0001)*

06 13 23 00-0003 Pine, Heavy Timber Beams *(06 13 23 00-0002)*

06 13 23 00-0004	LF	4" x 4", Pine, Heavy Timber Beam	6.19	1.97
06 13 23 00-0005	LF	4" x 6", Pine, Heavy Timber Beam	7.47	2.05
06 13 23 00-0006	LF	4" x 8", Pine, Heavy Timber Beam	8.75	2.15
06 13 23 00-0007	LF	4" x 10", Pine, Heavy Timber Beam	11.35	2.28
06 13 23 00-0008	LF	4" x 12", Pine, Heavy Timber Beam	13.47	2.42
06 13 23 00-0009	LF	6" x 6", Pine, Heavy Timber Beam	9.44	2.23
06 13 23 00-0010	LF	6" x 8", Pine, Heavy Timber Beam	11.32	2.34
06 13 23 00-0011	LF	6" x 10", Pine, Heavy Timber Beam	15.18	2.50
06 13 23 00-0012	LF	6" x 12", Pine, Heavy Timber Beam	18.06	2.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 13 23 00-0013	LF	8" x 8", Pine, Heavy Timber Beam	13.78	2.42
06 13 23 00-0014	LF	8" x 10", Pine, Heavy Timber Beam	18.58	2.50
06 13 23 00-0015	LF	8" x 12", Pine, Heavy Timber Beam	22.46	2.56
06 13 23 00-0016	LF	10" x 10", Pine, Heavy Timber Beam	22.19	2.56
06 13 23 00-0017	LF	10" x 12", Pine, Heavy Timber Beam	27.13	2.78
06 13 23 00-0018	LF	12" x 12", Pine, Heavy Timber Beam	31.99	3.06
06 13 23 00-0019	BF	>12" To 16" Pine, Heavy Timber Beam	2.67	0.25
		Note: 1 Board Foot = 12" x 12" x 1" = 144 Cubic Inches.		

06 13 23 00-0020 Douglas Fir, Heavy Timber Beams *(06 13 23 00-0002)*

06 13 23 00-0021	LF	4" x 4", Douglas Fir, Heavy Timber Beam	6.41	1.97
06 13 23 00-0022	LF	4" x 6", Douglas Fir, Heavy Timber Beam	7.81	2.05
06 13 23 00-0023	LF	4" x 8", Douglas Fir, Heavy Timber Beam	9.21	2.15
06 13 23 00-0024	LF	4" x 10", Douglas Fir, Heavy Timber Beam	12.03	2.28
06 13 23 00-0025	LF	4" x 12", Douglas Fir, Heavy Timber Beam	14.32	2.42
06 13 23 00-0026	LF	6" x 6", Douglas Fir, Heavy Timber Beam	9.94	2.23
06 13 23 00-0027	LF	6" x 8", Douglas Fir, Heavy Timber Beam	11.98	2.34
06 13 23 00-0028	LF	6" x 10", Douglas Fir, Heavy Timber Beam	16.19	2.50
06 13 23 00-0029	LF	6" x 12", Douglas Fir, Heavy Timber Beam	19.36	2.56
06 13 23 00-0030	LF	8" x 8", Douglas Fir, Heavy Timber Beam	14.67	2.42
06 13 23 00-0031	LF	8" x 10", Douglas Fir, Heavy Timber Beam	19.93	2.50
06 13 23 00-0032	LF	8" x 12", Douglas Fir, Heavy Timber Beam	24.19	2.56
06 13 23 00-0033	LF	10" x 10", Douglas Fir, Heavy Timber Beam	23.88	2.56
06 13 23 00-0034	LF	10" x 12", Douglas Fir, Heavy Timber Beam	29.26	2.78
06 13 23 00-0035	LF	12" x 12", Douglas Fir, Heavy Timber Beam	34.57	3.06
06 13 23 00-0036	BF	>12" To 16" Douglas Fir, Heavy Timber Beam	2.88	0.25
		Note: 1 Board Foot = 12" x 12" x 1" = 144 Cubic Inches.		

06 13 23 00-0037 Pressure Treated, Heavy Timber Beams *(06 13 23 00-0002)*

06 13 23 00-0038	LF	4" x 4", Pressure Treated, Heavy Timber Beam	6.68	1.97
06 13 23 00-0039	LF	4" x 6", Pressure Treated, Heavy Timber Beam	8.46	2.05
06 13 23 00-0040	LF	4" x 8", Pressure Treated, Heavy Timber Beam	10.01	2.15
06 13 23 00-0041	LF	4" x 10", Pressure Treated, Heavy Timber Beam	13.24	2.28
06 13 23 00-0042	LF	4" x 12", Pressure Treated, Heavy Timber Beam	15.87	2.42
06 13 23 00-0043	LF	6" x 6", Pressure Treated, Heavy Timber Beam	11.73	2.23
06 13 23 00-0044	LF	6" x 8", Pressure Treated, Heavy Timber Beam	14.41	2.34
06 13 23 00-0045	LF	6" x 10", Pressure Treated, Heavy Timber Beam	17.28	2.50
06 13 23 00-0046	LF	6" x 12", Pressure Treated, Heavy Timber Beam	21.24	2.56
06 13 23 00-0047	LF	8" x 8", Pressure Treated, Heavy Timber Beam	21.46	2.42
06 13 23 00-0048	LF	8" x 10", Pressure Treated, Heavy Timber Beam	24.95	2.50
06 13 23 00-0049	LF	8" x 12", Pressure Treated, Heavy Timber Beam	29.41	2.56
06 13 23 00-0050	LF	10" x 10", Pressure Treated, Heavy Timber Beam	29.53	2.56
06 13 23 00-0051	LF	10" x 12", Pressure Treated, Heavy Timber Beam	39.12	2.78
06 13 23 00-0052	LF	12" x 12", Pressure Treated, Heavy Timber Beam	46.41	3.06
06 13 23 00-0053	BF	>12" To 16" Pressure Treated, Heavy Timber Beam	3.87	0.25
		Note: 1 Board Foot = 12" x 12" x 1" = 144 Cubic Inches.		

06 13 23 00-0054 Heavy Timber Columns *(06 13 23 00-0001)*

06 13 23 00-0055 Pine, Heavy Timber Columns *(06 13 23 00-0054)*

06 13 23 00-0056	LF	4" x 4", Pine, Heavy Timber Column	4.31	1.04
06 13 23 00-0057	LF	4" x 6", Pine, Heavy Timber Column	5.55	1.10
06 13 23 00-0058	LF	4" x 8", Pine, Heavy Timber Column	6.73	1.13
06 13 23 00-0059	LF	4" x 10", Pine, Heavy Timber Column	9.19	1.20
06 13 23 00-0060	LF	4" x 12", Pine, Heavy Timber Column	11.17	1.27
06 13 23 00-0061	LF	6" x 6", Pine, Heavy Timber Column	7.35	1.16
06 13 23 00-0062	LF	6" x 8", Pine, Heavy Timber Column	9.13	1.21
06 13 23 00-0063	LF	6" x 10", Pine, Heavy Timber Column	12.81	1.32
06 13 23 00-0064	LF	6" x 12", Pine, Heavy Timber Column	15.63	1.34
06 13 23 00-0065	LF	8" x 8", Pine, Heavy Timber Column	11.48	1.27
06 13 23 00-0066	LF	8" x 10", Pine, Heavy Timber Column	16.21	1.32
06 13 23 00-0067	LF	8" x 12", Pine, Heavy Timber Column	19.99	1.37
06 13 23 00-0068	LF	10" x 10", Pine, Heavy Timber Column	19.72	1.37
06 13 23 00-0069	LF	10" x 12", Pine, Heavy Timber Column	24.50	1.46
06 13 23 00-0070	LF	12" x 12", Pine, Heavy Timber Column	29.09	1.61
06 13 23 00-0071	BF	>12" To 16" Pine, Heavy Timber Column	2.42	0.13
		Note: 1 Board Foot = 12" x 12" x 1" = 144 Cubic Inches.		

06 13 23 00-0072 Douglas Fir, Heavy Timber Columns *(06 13 23 00-0054)*

06 13 23 00-0073	LF	4" x 4", Douglas Fir, Heavy Timber Column	4.53	1.04
06 13 23 00-0074	LF	4" x 6", Douglas Fir, Heavy Timber Column	5.89	1.10
06 13 23 00-0075	LF	4" x 8", Douglas Fir, Heavy Timber Column	7.19	1.13
06 13 23 00-0076	LF	4" x 10", Douglas Fir, Heavy Timber Column	9.87	1.20
06 13 23 00-0077	LF	4" x 12", Douglas Fir, Heavy Timber Column	12.02	1.27
06 13 23 00-0078	LF	6" x 6", Douglas Fir, Heavy Timber Column	7.85	1.16
06 13 23 00-0079	LF	6" x 8", Douglas Fir, Heavy Timber Column	9.79	1.21
06 13 23 00-0080	LF	6" x 10", Douglas Fir, Heavy Timber Column	13.82	1.32

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 13 23 00-0081	LF	6" x 12", Douglas Fir, Heavy Timber Column	16.93	1.34
06 13 23 00-0082	LF	8" x 8", Douglas Fir, Heavy Timber Column	12.37	1.27
06 13 23 00-0083	LF	8" x 10", Douglas Fir, Heavy Timber Column	17.56	1.32
06 13 23 00-0084	LF	8" x 12", Douglas Fir, Heavy Timber Column	21.72	1.37
06 13 23 00-0085	LF	10" x 10", Douglas Fir, Heavy Timber Column	21.41	1.37
06 13 23 00-0086	LF	10" x 12", Douglas Fir, Heavy Timber Column	26.63	1.46
06 13 23 00-0087	LF	12" x 12", Douglas Fir, Heavy Timber Column	31.67	1.61
06 13 23 00-0088	BF	>12" To 16" Douglas Fir, Heavy Timber Column Note: 1 Board Foot = 12" x 12" x 1" = 144 Cubic Inches.	2.63	0.13
06 13 23 00-0089		Pressure Treated, Heavy Timber Columns *(06 13 23 00-0054)*		
06 13 23 00-0090	LF	4" x 4", Pressure Treated, Heavy Timber Column	4.80	1.04
06 13 23 00-0091	LF	4" x 6", Pressure Treated, Heavy Timber Column	6.54	1.10
06 13 23 00-0092	LF	4" x 8", Pressure Treated, Heavy Timber Column	7.99	1.13
06 13 23 00-0093	LF	4" x 10", Pressure Treated, Heavy Timber Column	11.08	1.20
06 13 23 00-0094	LF	4" x 12", Pressure Treated, Heavy Timber Column	13.57	1.27
06 13 23 00-0095	LF	6" x 6", Pressure Treated, Heavy Timber Column	9.64	1.16
06 13 23 00-0096	LF	6" x 8", Pressure Treated, Heavy Timber Column	12.22	1.21
06 13 23 00-0097	LF	6" x 10", Pressure Treated, Heavy Timber Column	14.91	1.32
06 13 23 00-0098	LF	6" x 12", Pressure Treated, Heavy Timber Column	18.81	1.34
06 13 23 00-0099	LF	8" x 8", Pressure Treated, Heavy Timber Column	19.16	1.27
06 13 23 00-0100	LF	8" x 10", Pressure Treated, Heavy Timber Column	22.58	1.32
06 13 23 00-0101	LF	8" x 12", Pressure Treated, Heavy Timber Column	26.94	1.37
06 13 23 00-0102	LF	10" x 10", Pressure Treated, Heavy Timber Column	27.06	1.37
06 13 23 00-0103	LF	10" x 12", Pressure Treated, Heavy Timber Column	36.49	1.46
06 13 23 00-0104	LF	12" x 12", Pressure Treated, Heavy Timber Column	43.51	1.61
06 13 23 00-0105	BF	>12" To 16" Pressure Treated, Heavy Timber Column Note: 1 Board Foot = 12" x 12" x 1" = 144 Cubic Inches.	3.62	0.13

06 15 Wood Decking *(06 10)*

06 15 13 Wood Floor Decking *(06 15)*

06 15 13 00-0001 Wood Deck Systems *(06 15 13)*
Note: Includes the deck, joists, girders, railing posts 8' on-center, pickets and railing. Excludes ground posts.

06 15 13 00-0002 Pressure Treated Wood Deck System *(06 15 13 00-0001)*

06 15 13 00-0003 2" x 8" Joists At 16" On Center, Pressure Treated Wood Deck System *(06 15 13 00-0002)*

06 15 13 00-0004	SF	5/4" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	38.19	7.88
06 15 13 00-0005	SF	5/4" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	36.99	7.49
06 15 13 00-0006	SF	2" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	39.63	8.08
06 15 13 00-0007	SF	2" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	38.44	7.68

06 15 13 00-0008 2" x 10" Joists At 16" On Center, Pressure Treated Wood Deck System *(06 15 13 00-0002)*

06 15 13 00-0009	SF	5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	39.48	8.08
06 15 13 00-0010	SF	5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	38.24	7.67
06 15 13 00-0011	SF	2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	40.95	8.29
06 15 13 00-0012	SF	2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center	39.74	7.87

06 15 13 00-0013 2" x 10" Joists At 24" On Center, Pressure Treated Wood Deck System *(06 15 13 00-0002)*

06 15 13 00-0014	SF	5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	38.19	7.88
06 15 13 00-0015	SF	5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	36.99	7.49
06 15 13 00-0016	SF	2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	39.63	8.08
06 15 13 00-0017	SF	2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	38.44	7.68

06 15 13 00-0018 Redwood With Pressure Treated Joists, Wood Deck System *(06 15 13 00-0001)*

06 15 13 00-0019 2" x 8" Joists At 16" On Center, Redwood With Pressure Treated Joists, Wood Deck System *(06 15 13 00-0018)*

06 15 13 00-0020	SF	5/4" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	40.87	7.88
06 15 13 00-0021	SF	5/4" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	39.79	7.23
06 15 13 00-0022	SF	2" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	42.99	8.08
06 15 13 00-0023	SF	2" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	41.61	7.68

06 15 13 00-0024 2" x 10" Joists At 16" On Center, Redwood With Pressure Treated Joists, Wood Deck System *(06 15 13 00-0018)*

06 15 13 00-0025	SF	5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	43.68	8.08
06 15 13 00-0026	SF	5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	42.57	7.67
06 15 13 00-0027	SF	2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	45.97	8.29
06 15 13 00-0028	SF	2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	44.60	7.87

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LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 15 13 00-0029		2" x 10" Joists At 24" On Center, Redwood With Pressure Treated Joists, Wood Deck System *(06 15 13 00-0018)*		
06 15 13 00-0030	SF	5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	41.95	7.88
06 15 13 00-0031	SF	5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	40.87	7.49
06 15 13 00-0032	SF	2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	44.12	8.08
06 15 13 00-0033	SF	2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	43.61	7.68
06 15 13 00-0034		Wood Ramp Systems *(06 15 13)* Note: Includes the decking, joists, girders, railing posts at corners and along ramp, pickets and railing. Excludes ground posts.		
06 15 13 00-0035		Pressure Treated Wood Ramp System *(06 15 13 00-0034)*		
06 15 13 00-0036		2" x 6" Joists, Pressure Treated Wood Ramp System *(06 15 13 00-0035)*		
06 15 13 00-0037	SF	5/4" x 4" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	44.38	7.68
06 15 13 00-0038	SF	5/4" x 6" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	42.83	7.29
06 15 13 00-0039	SF	2" x 4" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	45.96	7.88
06 15 13 00-0040	SF	2" x 6" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	44.42	7.49
06 15 13 00-0041		2" x 8" Joists, Pressure Treated Wood Ramp System *(06 15 13 00-0035)*		
06 15 13 00-0042	SF	5/4" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	45.80	7.88
06 15 13 00-0043	SF	5/4" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	44.23	7.49
06 15 13 00-0044	SF	2" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	47.44	8.08
06 15 13 00-0045	SF	2" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	45.86	7.68
06 15 13 00-0046		2" x 10" Joists, Pressure Treated Wood Ramp System *(06 15 13 00-0035)*		
06 15 13 00-0047	SF	5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	47.26	8.07
06 15 13 00-0048	SF	5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	45.66	7.67
06 15 13 00-0049	SF	2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	48.96	8.29
06 15 13 00-0050	SF	2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	47.35	7.87
06 15 13 00-0051		Redwood With Pressure Treated Joists, Wood Ramp System *(06 15 13 00-0034)*		
06 15 13 00-0052		2" x 6" Joists, Redwood With Pressure Treated Joists, Wood Ramp System *(06 15 13 00-0051)*		
06 15 13 00-0053	SF	5/4" x 4" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	46.89	7.68
06 15 13 00-0054	SF	5/4" x 6" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	45.47	7.29
06 15 13 00-0055	SF	2" x 4" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	49.12	7.88
06 15 13 00-0056	SF	2" x 6" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	47.39	7.49
06 15 13 00-0057		2" x 8" Joists, Redwood With Pressure Treated Joists, Wood Ramp System *(06 15 13 00-0051)*		
06 15 13 00-0058	SF	5/4" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	48.48	7.88
06 15 13 00-0059	SF	5/4" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	47.03	7.49
06 15 13 00-0060	SF	2" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	50.80	8.08
06 15 13 00-0061	SF	2" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	49.03	7.68
06 15 13 00-0062		2" x 10" Joists, Redwood With Pressure Treated Joists, Wood Ramp System *(06 15 13 00-0051)*		
06 15 13 00-0063	SF	5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	51.48	8.07
06 15 13 00-0064	SF	5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	49.99	7.67
06 15 13 00-0065	SF	2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	53.99	8.29
06 15 13 00-0066	SF	2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	52.76	7.87
06 15 13 00-0067		Cedar With Pressure Treated Joists, Wood Ramp System *(06 15 13 00-0034)*		
06 15 13 00-0068		2" x 6" Joists, Cedar With Pressure Treated Joists, Wood Ramp System *(06 15 13 00-0067)*		
06 15 13 00-0069	SF	5/4" x 4" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	45.27	7.68
06 15 13 00-0070	SF	5/4" x 6" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	43.76	7.29
06 15 13 00-0071	SF	2" x 4" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	46.93	7.88
06 15 13 00-0072	SF	2" x 6" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	45.43	7.49
06 15 13 00-0073		2" x 8" Joists, Cedar With Pressure Treated Joists, Wood Ramp System *(06 15 13 00-0067)*		
06 15 13 00-0074	SF	5/4" x 4" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	46.75	7.88
06 15 13 00-0075	SF	5/4" x 6" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	45.21	7.49
06 15 13 00-0076	SF	2" x 4" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	48.47	8.08
06 15 13 00-0077	SF	2" x 6" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	46.94	7.68
06 15 13 00-0078		2" x 10" Joists, Cedar With Pressure Treated Joists, Wood Ramp System *(06 15 13 00-0067)*		
06 15 13 00-0079	SF	5/4" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	48.30	8.07

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 15 13 00-0080	SF	5/4" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	46.72	7.67
06 15 13 00-0081	SF	2" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	50.05	8.29
06 15 13 00-0082	SF	2" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	48.49	7.87

06 15 13 00-0083 Wood Stair Systems *(06 15 13)*

Note: Includes the decking, joists, girders, railing posts at corners and along stairs, pickets and railing. Excludes ground posts.

06 15 13 00-0084 Pressure Treated Wood Stair System *(06 15 13 00-0083)*

06 15 13 00-0085 2" x 10" Joists, Pressure Treated Wood Stair System *(06 15 13 00-0084)*

06 15 13 00-0086	RSR	3' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	121.06	18.91
06 15 13 00-0087	RSR	3' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	118.22	17.97
06 15 13 00-0088	RSR	3' Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	124.83	19.39
06 15 13 00-0089	RSR	3' Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	121.37	18.43
06 15 13 00-0090	RSR	3'-6" Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	127.12	19.87
06 15 13 00-0091	RSR	3'-6" Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	124.14	18.87
06 15 13 00-0092	RSR	3'-6" Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	131.06	20.37
06 15 13 00-0093	RSR	3'-6" Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	127.44	19.35
06 15 13 00-0094	RSR	4' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	133.32	20.85
06 15 13 00-0095	RSR	4' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	130.18	19.81
06 15 13 00-0096	RSR	4' Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	137.46	21.39
06 15 13 00-0097	RSR	4' Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	133.65	20.32
06 15 13 00-0098	RSR	5' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	141.62	21.90
06 15 13 00-0099	RSR	5' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	138.43	20.80
06 15 13 00-0100	RSR	5' Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	146.05	22.46
06 15 13 00-0101	RSR	5' Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	142.10	21.34

06 15 13 00-0102 2" x 12" Joists, Pressure Treated Wood Stair System *(06 15 13 00-0084)*

06 15 13 00-0103	RSR	3' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	123.64	19.38
06 15 13 00-0104	RSR	3' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	120.22	18.42
06 15 13 00-0105	RSR	3' Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	127.62	19.89
06 15 13 00-0106	RSR	3' Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	124.14	18.89
06 15 13 00-0107	RSR	3'-6" Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	129.82	20.36
06 15 13 00-0108	RSR	3'-6" Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	126.23	19.34
06 15 13 00-0109	RSR	3'-6" Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	134.00	20.87
06 15 13 00-0110	RSR	3'-6" Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	130.35	19.83
06 15 13 00-0111	RSR	4' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	136.17	21.37
06 15 13 00-0112	RSR	4' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	132.39	20.31
06 15 13 00-0113	RSR	4' Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	140.54	21.92
06 15 13 00-0114	RSR	4' Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	136.71	20.83
06 15 13 00-0115	RSR	5' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	144.61	22.45
06 15 13 00-0116	RSR	5' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	140.72	21.33
06 15 13 00-0117	RSR	5' Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	149.29	23.02
06 15 13 00-0118	RSR	5' Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	145.33	21.87

06 15 13 00-0119 Redwood With Pressure Treated Joists, Wood Stair System *(06 15 13 00-0083)*

06 15 13 00-0120 2" x 10" Joists, Redwood With Pressure Treated Joists, Wood Stair System *(06 15 13 00-0119)*

06 15 13 00-0121	RSR	3' Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	135.95	18.91
06 15 13 00-0122	RSR	3' Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	132.97	17.97
06 15 13 00-0123	RSR	3' Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	140.64	19.39
06 15 13 00-0124	RSR	3' Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	137.65	18.43
06 15 13 00-0125	RSR	3'-6" Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	142.75	19.87
06 15 13 00-0126	RSR	3'-6" Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	139.62	18.87
06 15 13 00-0127	RSR	3'-6" Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	147.67	20.37
06 15 13 00-0128	RSR	3'-6" Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	144.53	19.35
06 15 13 00-0129	RSR	4' Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	149.66	20.85
06 15 13 00-0130	RSR	4' Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	146.37	19.81
06 15 13 00-0131	RSR	4' Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	154.81	21.39
06 15 13 00-0132	RSR	4' Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	151.51	20.32
06 15 13 00-0133	RSR	5' Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	159.59	21.90
06 15 13 00-0134	RSR	5' Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	156.23	20.80
06 15 13 00-0135	RSR	5' Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	165.13	22.46
06 15 13 00-0136	RSR	5' Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	161.75	21.34

06 15 13 00-0137 2" x 12" Joists, Redwood With Pressure Treated Joists, Wood Stair System *(06 15 13 00-0119)*

06 15 13 00-0138	RSR	3' Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	134.13	19.38
06 15 13 00-0139	RSR	3' Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	131.09	18.42
06 15 13 00-0140	RSR	3' Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	138.55	19.89
06 15 13 00-0141	RSR	3' Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	135.58	18.89
06 15 13 00-0142	RSR	3'-6" Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	140.84	20.36
06 15 13 00-0143	RSR	3'-6" Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	137.65	19.34
06 15 13 00-0144	RSR	3'-6" Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	145.47	20.87
06 15 13 00-0145	RSR	3'-6" Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	142.36	19.83
06 15 13 00-0146	RSR	4' Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	147.68	21.37
06 15 13 00-0147	RSR	4' Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	144.32	20.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 15 13 00-0148	RSR	4' Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	152.53	21.92
06 15 13 00-0149	RSR	4' Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	149.26	20.83
06 15 13 00-0150	RSR	5' Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	157.28	22.45
06 15 13 00-0151	RSR	5' Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	153.84	21.33
06 15 13 00-0152	RSR	5' Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	162.48	23.02
06 15 13 00-0153	RSR	5' Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	159.14	21.87

06 15 13 00-0154 Wood Deck And Ramp Systems Repairs *(06 15 13)*
Note: Includes removal of material and screws. Excludes anchors and bolts.

06 15 13 00-0155 Deck Joist Or Girt *(06 15 13 00-0154)*
See CSI section 06 11 16 00-0012 for treated wood joist replacement, 06 51 13 00-0012 for plastic/composite lumber joist replacement.

06 15 13 00-0156 Deck Boards *(06 15 13 00-0154)*
See CSI section 06 51 13 00-0035 for plastic/composite lumber decking replacement.

06 15 13 00-0157	LF	5/4" x 4" Round Edge Pressure Treated Deck Boards	2.14	0.85
06 15 13 00-0158	LF	5/4" x 6" Round Edge Pressure Treated Deck Boards	2.36	1.02
06 15 13 00-0159	LF	2" x 4" Round Edge Pressure Treated Deck Boards	2.25	1.02
06 15 13 00-0160	LF	2" x 6" Round Edge Pressure Treated Deck Boards	2.97	1.17
06 15 13 00-0161	LF	2" x 8" Round Edge Pressure Treated Deck Boards	3.80	1.40
06 15 13 00-0162	LF	2" x 10" Round Edge Pressure Treated Deck Boards	4.66	1.71
06 15 13 00-0163	LF	2" x 12" Round Edge Pressure Treated Deck Boards	5.74	2.02
06 15 13 00-0164	LF	2" x 4" Round Edge Cedar Deck Boards	2.51	1.02
06 15 13 00-0165	LF	2" x 6" Round Edge Cedar Deck Boards	3.24	1.17
06 15 13 00-0166	LF	2" x 4" Round Edge Redwood Deck Boards	2.75	1.02
06 15 13 00-0167	LF	2" x 6" Round Edge Redwood Deck Boards	3.59	1.17

06 15 13 00-0168 Deck Posts *(06 15 13 00-0154)*
See CSI section 06 11 16 00-0105 for treated wood post replacement, 06 51 13 00-0024 for plastic/composite lumber column replacement.

06 15 13 00-0169 Deck Railing And Pickets *(06 15 13 00-0154)*
See CSI section 06 51 13 00-0035 for plastic/composite lumber railing replacement.

06 15 13 00-0170	LF	2" x 4" Pressure Treated Deck Railing	2.25	1.02
06 15 13 00-0171	LF	2" x 2" Pressure Treated Deck Railing Picket	1.57	0.78
06 15 13 00-0172	LF	2" x 4" Cedar Deck Railing	2.51	1.02
06 15 13 00-0173	LF	2" x 2" Cedar Deck Railing Picket	1.90	0.78
06 15 13 00-0174	LF	2" x 4" Redwood Deck Railing	2.75	1.02
06 15 13 00-0175	LF	2" x 2" Redwood Deck Railing Picket	2.07	0.78

06 16 Sheathing *(06 10)*

06 16 23 Subflooring *(06 16)*

06 16 23 00-0001 Board Type Subflooring *(06 16 23)*

06 16 23 00-0002	SF	1" x 8" Regular Surface Board Type Subfloor Note: 4 Sides Laid In A Regular Pattern.	3.32	0.89
		For Water Resistant Coating Or Treatment, Add	*0.08*	
		For Foil Backing, Add	*0.13*	
		For Tongue And Groove, Add	*0.09*	
06 16 23 00-0003	SF	1" x 8" Diagonal Surface Board Type Subfloor Note: 4 Sides Laid In A Diagonal Pattern.	3.69	1.11
		For Water Resistant Coating Or Treatment, Add	*0.08*	
		For Foil Backing, Add	*0.13*	
		For Tongue And Groove, Add	*0.09*	
06 16 23 00-0004	SF	1" x 10" Regular Surface Board Type Subfloor Note: 4 sides laid in a regular pattern.	3.19	0.78
		For Water Resistant Coating Or Treatment, Add	*0.08*	
		For Foil Backing, Add	*0.14*	
		For Tongue And Groove, Add	*0.10*	
06 16 23 00-0005	SF	1" x 10" Diagonal Surface Board Type Subfloor Note: 4 sides laid in a diagonal pattern.	3.45	0.89
		For Water Resistant Coating Or Treatment, Add	*0.08*	
		For Foil Backing, Add	*0.14*	
		For Tongue And Groove, Add	*0.10*	

06 16 33 Wood Board Sheathing *(06 16)*

06 16 33 00-0001 Plywood *(06 16 33)*

06 16 33 00-0002 Roof Decking *(06 16 33 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0003	SF	3/8" Thick CDX Plywood Roof Decking Note: Applied to wood rafters.	1.91	0.56
		For Shear Wall Construction, Add	*0.26*	
		For Exterior CC Grade Plywood, Add	*0.09*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.26*	
		For ACQ Preservative Treatment, Add	*0.29*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*1.97*	
		For Fire Retardant Treatment, Add	*0.47*	
		For >1,696 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.05*	
		For >6,400 To 12,800, Deduct	*-0.10*	
		For >12,800, Deduct	*-0.14*	
06 16 33 00-0004	SF	1/2" Thick CDX Plywood Roof Decking Note: Applied to wood rafters.	2.16	0.67
		For Shear Wall Construction, Add	*0.29*	
		For Exterior CC Grade Plywood, Add	*0.11*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.29*	
		For ACQ Preservative Treatment, Add	*0.35*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.15*	
		For Fire Retardant Treatment, Add	*0.58*	
		For >1,696 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.07*	
		For >6,400 To 12,800, Deduct	*-0.12*	
		For >12,800, Deduct	*-0.16*	
06 16 33 00-0005	SF	5/8" Thick CDX Plywood Roof Decking Note: Applied to wood rafters.	2.59	0.67
		For Shear Wall Construction, Add	*0.31*	
		For Exterior CC Grade Plywood, Add	*0.16*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.31*	
		For ACQ Preservative Treatment, Add	*0.50*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.31*	
		For Fire Retardant Treatment, Add	*0.83*	
		For >1,696 To 3,200, Deduct	*-0.06*	
		For >3,200 To 6,400, Deduct	*-0.09*	
		For >6,400 To 12,800, Deduct	*-0.15*	
		For >12,800, Deduct	*-0.20*	
		For Tongue And Groove, Add	*0.07*	
06 16 33 00-0006	SF	3/4" Thick CDX Plywood Roof Decking Note: Applied to wood rafters.	2.88	0.78
		For Shear Wall Construction, Add	*0.33*	
		For Exterior CC Grade Plywood, Add	*0.18*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.33*	
		For ACQ Preservative Treatment, Add	*0.59*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.49*	
		For Fire Retardant Treatment, Add	*0.96*	
		For >1,696 To 3,200, Deduct	*-0.07*	
		For >3,200 To 6,400, Deduct	*-0.11*	
		For >6,400 To 12,800, Deduct	*-0.18*	
		For >12,800, Deduct	*-0.23*	
		For Tongue And Groove, Add	*0.09*	
06 16 33 00-0007	SF	1" Thick CDX Plywood Roof Decking Note: Applied to wood rafters.	3.46	0.89
		For Shear Wall Construction, Add	*0.36*	
		For Exterior CC Grade Plywood, Add	*0.25*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.36*	
		For ACQ Preservative Treatment, Add	*0.79*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.72*	
		For Fire Retardant Treatment, Add	*1.30*	
		For >1,696 To 3,200, Deduct	*-0.10*	
		For >3,200 To 6,400, Deduct	*-0.15*	
		For >6,400 To 12,800, Deduct	*-0.23*	
		For >12,800, Deduct	*-0.29*	
		For Tongue And Groove, Add	*0.12*	
06 16 33 00-0008		Wall Sheathing *(06 16 33 00-0001)*		
06 16 33 00-0009	SF	1/4" Interior BC Plywood Wall Sheathing Note: Applied to wall studs.	2.25	0.78
		For Shear Wall Construction, Add	*0.33*	
		For Exterior CC Grade Plywood, Add	*0.09*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.33*	
		For Ceiling Installation, Add	*0.17*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.49*	
		For Fire Retardant Treatment, Add	*0.47*	
		For >1,696 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.05*	
		For >6,400 To 12,800, Deduct	*-0.11*	
		For >12,800, Deduct	*-0.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0010	SF	5/16" Interior BC Plywood Wall Sheathing	2.28	0.78
		Note: Applied to wall studs.		
		For Shear Wall Construction, Add	*0.33*	
		For Exterior CC Grade Plywood, Add	*0.09*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.33*	
		For Ceiling Installation, Add	*0.17*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.49*	
		For Fire Retardant Treatment, Add	*0.49*	
		For >1,696 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.06*	
		For >6,400 To 12,800, Deduct	*-0.11*	
		For >12,800, Deduct	*-0.16*	
06 16 33 00-0011	SF	3/8" Interior BC Plywood Wall Sheathing	2.34	0.89
		Note: Applied to wall studs.		
		For Shear Wall Construction, Add	*0.33*	
		For Exterior CC Grade Plywood, Add	*0.10*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.33*	
		For Ceiling Installation, Add	*0.17*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.49*	
		For Fire Retardant Treatment, Add	*0.54*	
		For >1,696 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.06*	
		For >6,400 To 12,800, Deduct	*-0.12*	
		For >12,800, Deduct	*-0.16*	
06 16 33 00-0012	SF	1/2" Interior BC Plywood Wall Sheathing	2.63	0.89
		Note: Applied to wall studs.		
		For Shear Wall Construction, Add	*0.35*	
		For Exterior CC Grade Plywood, Add	*0.13*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.35*	
		For Ceiling Installation, Add	*0.18*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.66*	
		For Fire Retardant Treatment, Add	*0.68*	
		For >1,696 To 3,200, Deduct	*-0.05*	
		For >3,200 To 6,400, Deduct	*-0.08*	
		For >6,400 To 12,800, Deduct	*-0.14*	
		For >12,800, Deduct	*-0.19*	
06 16 33 00-0013	SF	5/8" Interior BC Plywood Wall Sheathing	3.10	1.00
		Note: Applied to wall studs.		
		For Shear Wall Construction, Add	*0.38*	
		For Exterior CC Grade Plywood, Add	*0.18*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.38*	
		For Ceiling Installation, Add	*0.19*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.85*	
		For Fire Retardant Treatment, Add	*0.95*	
		For >1,696 To 3,200, Deduct	*-0.07*	
		For >3,200 To 6,400, Deduct	*-0.11*	
		For >6,400 To 12,800, Deduct	*-0.18*	
		For >12,800, Deduct	*-0.24*	
06 16 33 00-0014	SF	3/4" Interior BC Plywood Wall Sheathing	3.42	1.11
		Note: Applied to wall studs.		
		For Shear Wall Construction, Add	*0.41*	
		For Exterior CC Grade Plywood, Add	*0.21*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.41*	
		For Ceiling Installation, Add	*0.21*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*3.08*	
		For Fire Retardant Treatment, Add	*1.08*	
		For >1,696 To 3,200, Deduct	*-0.08*	
		For >3,200 To 6,400, Deduct	*-0.12*	
		For >6,400 To 12,800, Deduct	*-0.20*	
		For >12,800, Deduct	*-0.27*	

06 16 33 00-0015 Floor Decking *(06 16 33 00-0001)*

Note: Includes patching of seams and all fastener holes where necessary.

06 16 33 00-0016	SF	5/16" CD Grade Plywood Floor Decking	1.78	0.67
		Note: Applied to floor or joists.		
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*1.88*	
		For Fire Retardant Treatment, Add	*0.42*	
		For >1,696 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.05*	
		For >6,400 To 12,800, Deduct	*-0.09*	
		For >12,800, Deduct	*-0.13*	
		For ACQ Preservative Treatment, Add	*0.25*	
		For Fir Plywood, Add	*0.10*	
		For BC Grade Plywood, Add	*0.08*	
		For Exterior Glue, Add	*0.05*	
		For Marine Grade, Add	*0.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0017	SF	3/8" CD Grade Plywood Floor Decking	1.81	0.67
		Note: Applied to floor or joists.		
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*1.98*	
		For Fire Retardant Treatment, Add	*0.39*	
		For >1,696 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.04*	
		For >6,400 To 12,800, Deduct	*-0.09*	
		For >12,800, Deduct	*-0.12*	
		For ACQ Preservative Treatment, Add	*0.24*	
		For Fir Plywood, Add	*0.09*	
		For BC Grade Plywood, Add	*0.07*	
		For Exterior Glue, Add	*0.05*	
		For Marine Grade, Add	*0.38*	
06 16 33 00-0018	SF	1/2" CD Grade Plywood Floor Decking	2.04	0.67
		Note: Applied to floor or joists.		
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.09*	
		For Fire Retardant Treatment, Add	*0.51*	
		For >1,696 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.06*	
		For >6,400 To 12,800, Deduct	*-0.11*	
		For >12,800, Deduct	*-0.15*	
		For ACQ Preservative Treatment, Add	*0.31*	
		For Fir Plywood, Add	*0.12*	
		For BC Grade Plywood, Add	*0.10*	
		For Exterior Glue, Add	*0.06*	
		For Marine Grade, Add	*0.51*	
06 16 33 00-0019	SF	5/8" CD Grade Plywood Floor Decking	2.43	0.67
		Note: Applied to floor or joists.		
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.28*	
		For Fire Retardant Treatment, Add	*0.72*	
		For >1,696 To 3,200, Deduct	*-0.05*	
		For >3,200 To 6,400, Deduct	*-0.08*	
		For >6,400 To 12,800, Deduct	*-0.14*	
		For >12,800, Deduct	*-0.19*	
		For ACQ Preservative Treatment, Add	*0.44*	
		For Fir Plywood, Add	*0.17*	
		For BC Grade Plywood, Add	*0.13*	
		For Exterior Glue, Add	*0.08*	
		For Marine Grade, Add	*0.71*	
06 16 33 00-0020	SF	3/4" CD Grade Plywood Floor Decking	2.78	0.67
		Note: Applied to floor or joists.		
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.42*	
		For Fire Retardant Treatment, Add	*0.92*	
		For >1,696 To 3,200, Deduct	*-0.07*	
		For >3,200 To 6,400, Deduct	*-0.11*	
		For >6,400 To 12,800, Deduct	*-0.17*	
		For >12,800, Deduct	*-0.22*	
		For ACQ Preservative Treatment, Add	*0.56*	
		For Fir Plywood, Add	*0.22*	
		For BC Grade Plywood, Add	*0.17*	
		For Exterior Glue, Add	*0.11*	
		For Marine Grade, Add	*0.92*	
06 16 33 00-0021	SF	1-1/8" CD Grade Plywood Floor Decking	4.12	1.00
		Note: Applied to floor or joists.		
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.87*	
		For Fire Retardant Treatment, Add	*1.75*	
		For >1,696 To 3,200, Deduct	*-0.13*	
		For >3,200 To 6,400, Deduct	*-0.20*	
		For >6,400 To 12,800, Deduct	*-0.29*	
		For >12,800, Deduct	*-0.36*	
		For ACQ Preservative Treatment, Add	*1.06*	
		For Fir Plywood, Add	*0.41*	
		For BC Grade Plywood, Add	*0.33*	
		For Exterior Glue, Add	*0.21*	
		For Marine Grade, Add	*1.73*	
06 16 33 00-0022	SF	1/2" AC Fir Plywood Floor Decking	2.43	0.67
		Note: Applied to floor or joists.		
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.09*	
		For Fire Retardant Treatment, Add	*0.82*	
		For >1,696 To 3,200, Deduct	*-0.06*	
		For >3,200 To 6,400, Deduct	*-0.09*	
		For >6,400 To 12,800, Deduct	*-0.15*	
		For >12,800, Deduct	*-0.19*	
		For ACQ Preservative Treatment, Add	*0.50*	
		For Exterior Glue, Add	*0.10*	
		For Marine Grade, Add	*0.81*	
		For Tongue And Groove, Add	*0.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0023	SF	5/8" AC Fir Plywood Floor Decking Note: Applied to floor or joists.	2.94	0.67
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.28*	
		For Fire Retardant Treatment, Add	*1.12*	
		For >1,696 To 3,200, Deduct	*-0.09*	
		For >3,200 To 6,400, Deduct	*-0.13*	
		For >6,400 To 12,800, Deduct	*-0.19*	
		For >12,800, Deduct	*-0.25*	
		For ACQ Preservative Treatment, Add	*0.68*	
		For Exterior Glue, Add	*0.13*	
		For Marine Grade, Add	*1.11*	
		For Tongue And Groove, Add	*0.10*	
06 16 33 00-0024	SF	3/4" AC Fir Plywood Floor Decking Note: Applied to floor or joists.	3.15	0.67
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.42*	
		For Fire Retardant Treatment, Add	*1.22*	
		For >1,696 To 3,200, Deduct	*-0.09*	
		For >3,200 To 6,400, Deduct	*-0.14*	
		For >6,400 To 12,800, Deduct	*-0.21*	
		For >12,800, Deduct	*-0.27*	
		For ACQ Preservative Treatment, Add	*0.74*	
		For Exterior Glue, Add	*0.14*	
		For Marine Grade, Add	*1.21*	
		For Tongue And Groove, Add	*0.11*	

06 16 33 00-0025 Underlayment Grade *(06 16 33 00-0001)*

Note: Includes patching of seams and all fastener holes where necessary.

06 16 33 00-0026	SF	1/4" Thick Plywood Underlayment BC Grade	1.90	0.67
		For Fire Retardant Treatment, Add	*0.49*	
		For >1,696 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.06*	
		For >6,400 To 12,800, Deduct	*-0.09*	
		For >12,800, Deduct	*-0.14*	
06 16 33 00-0027	SF	3/8" Thick Plywood Underlayment BC Grade	2.03	0.67
		For Fire Retardant Treatment, Add	*0.54*	
		For >1,696 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.06*	
		For >6,400 To 12,800, Deduct	*-0.09*	
		For >12,800, Deduct	*-0.15*	
06 16 33 00-0028	SF	1/2" Thick Plywood Underlayment BC Grade	2.12	0.78
		For Fire Retardant Treatment, Add	*0.58*	
		For >1,696 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.07*	
		For >6,400 To 12,800, Deduct	*-0.10*	
		For >12,800, Deduct	*-0.16*	
06 16 33 00-0029	SF	5/8" Thick Plywood Underlayment BC Grade	2.41	0.78
		For Fire Retardant Treatment, Add	*0.69*	
		For >1,696 To 3,200, Deduct	*-0.05*	
		For >3,200 To 6,400, Deduct	*-0.08*	
		For >6,400 To 12,800, Deduct	*-0.12*	
		For >12,800, Deduct	*-0.18*	
		For Tongue And Groove, Add	*0.06*	
06 16 33 00-0030	SF	3/4" Thick Plywood Underlayment BC Grade	2.60	0.78
		For Fire Retardant Treatment, Add	*0.84*	
		For >1,696 To 3,200, Deduct	*-0.06*	
		For >3,200 To 6,400, Deduct	*-0.10*	
		For >6,400 To 12,800, Deduct	*-0.13*	
		For >12,800, Deduct	*-0.20*	
		For Tongue And Groove, Add	*0.07*	
06 16 33 00-0031	SF	1-1/8" Thick Plywood Underlayment BC Grade	3.33	0.89
		For Fire Retardant Treatment, Add	*1.27*	
		For >1,696 To 3,200, Deduct	*-0.10*	
		For >3,200 To 6,400, Deduct	*-0.14*	
		For >6,400 To 12,800, Deduct	*-0.19*	
		For >12,800, Deduct	*-0.28*	
		For Tongue And Groove, Add	*0.11*	
06 16 33 00-0032	SF	3/8" Thick CDX Plywood Underlayment Grade	2.18	0.67
		For Fire Retardant Treatment, Add	*0.66*	
		For >1,696 To 3,200, Deduct	*-0.05*	
		For >3,200 To 6,400, Deduct	*-0.07*	
		For >6,400 To 12,800, Deduct	*-0.11*	
		For >12,800, Deduct	*-0.17*	
06 16 33 00-0033	SF	5/8" Thick CDX Plywood Underlayment Grade	2.77	0.78
		For Fire Retardant Treatment, Add	*0.99*	
		For >1,696 To 3,200, Deduct	*-0.08*	
		For >3,200 To 6,400, Deduct	*-0.11*	
		For >6,400 To 12,800, Deduct	*-0.15*	
		For >12,800, Deduct	*-0.23*	

06 16 33 00-0034 Oriented Strand Board *(06 16 33)*

06 16 33 00-0035 On Roof *(06 16 33 00-0034)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0036	SF	3/8" Thick Structural Oriented Strand Board (OSB) On Roof	1.70	0.67
		For >1,408 To 3,200, Deduct	*-0.02*	
		For >3,200 To 6,400, Deduct	*-0.04*	
		For >6,400 To 12,800, Deduct	*-0.08*	
		For >12,800, Deduct	*-0.11*	
		For Fire Retardant Treatment, Add	*0.31*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*1.97*	
06 16 33 00-0037	SF	1/2" Thick Structural Oriented Strand Board (OSB) On Roof	1.88	0.67
		For >1,408 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.04*	
		For >6,400 To 12,800, Deduct	*-0.09*	
		For >12,800, Deduct	*-0.13*	
		For Fire Retardant Treatment, Add	*0.36*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*2.15*	
06 16 33 00-0038	SF	5/8" Thick Structural Oriented Strand Board (OSB) On Roof	2.20	0.78
		For >1,408 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.06*	
		For >6,400 To 12,800, Deduct	*-0.11*	
		For >12,800, Deduct	*-0.16*	
		For Fire Retardant Treatment, Add	*0.52*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*2.31*	
06 16 33 00-0039	SF	3/4" Thick Structural Oriented Strand Board (OSB) On Roof	2.53	0.78
		For >1,408 To 3,200, Deduct	*-0.05*	
		For >3,200 To 6,400, Deduct	*-0.08*	
		For >6,400 To 12,800, Deduct	*-0.14*	
		For >12,800, Deduct	*-0.19*	
		For Fire Retardant Treatment, Add	*0.69*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*2.49*	

06 16 33 00-0040 On Walls *(06 16 33 00-0034)*

06 16 33 00-0041	SF	3/8" Thick Structural Oriented Strand Board (OSB) On Walls	2.05	0.78
		For >1,408 To 3,200, Deduct	*-0.02*	
		For >3,200 To 6,400, Deduct	*-0.04*	
		For >6,400 To 12,800, Deduct	*-0.08*	
		For >12,800, Deduct	*-0.13*	
		For Fire Retardant Treatment, Add	*0.31*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*2.49*	
06 16 33 00-0042	SF	1/2" Thick Structural Oriented Strand Board (OSB) On Walls	2.22	0.89
		For >1,408 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.04*	
		For >6,400 To 12,800, Deduct	*-0.09*	
		For >12,800, Deduct	*-0.14*	
		For Fire Retardant Treatment, Add	*0.36*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*2.66*	
06 16 33 00-0043	SF	5/8" Thick Structural Oriented Strand Board (OSB) On Walls	2.56	1.00
		For >1,408 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.06*	
		For >6,400 To 12,800, Deduct	*-0.12*	
		For >12,800, Deduct	*-0.17*	
		For Fire Retardant Treatment, Add	*0.52*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*2.85*	
06 16 33 00-0044	SF	3/4" Thick Structural Oriented Strand Board (OSB) On Walls	2.92	1.00
		For >1,408 To 3,200, Deduct	*-0.05*	
		For >3,200 To 6,400, Deduct	*-0.08*	
		For >6,400 To 12,800, Deduct	*-0.15*	
		For >12,800, Deduct	*-0.21*	
		For Fire Retardant Treatment, Add	*0.69*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*3.08*	

06 16 33 00-0045 On Floors *(06 16 33 00-0034)*

Note: Includes patching of seams and all fastener holes where necessary.

06 16 33 00-0046	SF	3/8" Thick Structural Oriented Strand Board (OSB) On Floors	1.73	0.67
		For >1,408 To 3,200, Deduct	*-0.02*	
		For >3,200 To 6,400, Deduct	*-0.04*	
		For >6,400 To 12,800, Deduct	*-0.08*	
		For >12,800, Deduct	*-0.11*	
		For Fire Retardant Treatment, Add	*0.31*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*2.01*	
06 16 33 00-0047	SF	1/2" Thick Structural Oriented Strand Board (OSB) On Floors	2.06	0.78
		For >1,408 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.04*	
		For >6,400 To 12,800, Deduct	*-0.09*	
		For >12,800, Deduct	*-0.13*	
		For Fire Retardant Treatment, Add	*0.36*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*2.42*	
06 16 33 00-0048	SF	5/8" Thick Structural Oriented Strand Board (OSB) On Floors	2.41	0.89
		For >1,408 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.06*	
		For >6,400 To 12,800, Deduct	*-0.12*	
		For >12,800, Deduct	*-0.17*	
		For Fire Retardant Treatment, Add	*0.52*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*2.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0049	SF	3/4" Thick Structural Oriented Strand Board (OSB) On Floors	2.77	1.00
		For >1,408 To 3,200, Deduct	*-0.05*	
		For >3,200 To 6,400, Deduct	*-0.08*	
		For >6,400 To 12,800, Deduct	*-0.14*	
		For >12,800, Deduct	*-0.20*	
		For Fire Retardant Treatment, Add	*0.69*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*2.85*	

06 16 33 00-0050 Particle Board *(06 16 33)*

06 16 33 00-0051 Particle Board Floor Decking *(06 16 33 00-0050)*

Note: Includes patching of seams and all fastener holes where necessary.

06 16 33 00-0052	SF	3/8" Particle Board Floor Decking	1.95	0.56
		Note: Applied to plywood subfloor.		
		For Fire Retardant Treatment Add	*0.51*	
		For >1,536 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.06*	
		For >6,400 To 12,800, Deduct	*-0.10*	
		For >12,800, Deduct	*-0.14*	
		For Tongue And Groove, Add	*0.04*	
06 16 33 00-0053	SF	1/2" Particle Board Floor Decking	2.25	0.56
		Note: Applied to plywood subfloor.		
		For Fire Retardant Treatment Add	*0.69*	
		For >1,536 To 3,200, Deduct	*-0.05*	
		For >3,200 To 6,400, Deduct	*-0.08*	
		For >6,400 To 12,800, Deduct	*-0.13*	
		For >12,800, Deduct	*-0.17*	
		For Tongue And Groove, Add	*0.06*	
06 16 33 00-0054	SF	5/8" Particle Board Floor Decking	2.55	0.67
		Note: Applied to plywood subfloor.		
		For Fire Retardant Treatment Add	*0.86*	
		For >1,536 To 3,200, Deduct	*-0.07*	
		For >3,200 To 6,400, Deduct	*-0.10*	
		For >6,400 To 12,800, Deduct	*-0.16*	
		For >12,800, Deduct	*-0.20*	
		For Tongue And Groove, Add	*0.08*	
06 16 33 00-0055	SF	3/4" Particle Board Floor Decking	2.84	0.67
		Note: Applied to plywood subfloor.		
		For Fire Retardant Treatment Add	*1.01*	
		For >1,536 To 3,200, Deduct	*-0.08*	
		For >3,200 To 6,400, Deduct	*-0.12*	
		For >6,400 To 12,800, Deduct	*-0.18*	
		For >12,800, Deduct	*-0.23*	
		For Tongue And Groove, Add	*0.09*	

06 16 43 Gypsum Sheathing *(06 16)*

06 16 43 00-0001 Exterior Gypsum Sheathing *(06 16 43)*

Note: Includes moisture resistant core and fiberglass mats on both sides and long edges.

06 16 43 00-0002	SF	1/2" Exterior Gypsum Sheathing (GP Dens-Glass Gold)	3.22	0.89
		For Selective Replacement <400 (Includes Removal Of Damaged Gypsum And Fitting New Gypsum To Size), Add	*2.66*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.35*	
		For Ceiling Installation, Add	*0.18*	
		For >1,696 To 3,200, Deduct	*-0.09*	
		For >3,200 To 6,400, Deduct	*-0.13*	
		For >6,400 To 12,800, Deduct	*-0.20*	
		For >12,800, Deduct	*-0.26*	
06 16 43 00-0003	SF	5/8" Exterior Gypsum Sheathing (GP Dens-Glass Gold)	3.48	1.11
		For Selective Replacement <400 (Includes Removal Of Damaged Gypsum And Fitting New Gypsum To Size), Add	*2.85*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.38*	
		For Ceiling Installation, Add	*0.19*	
		For >1,696 To 3,200, Deduct	*-0.09*	
		For >3,200 To 6,400, Deduct	*-0.14*	
		For >6,400 To 12,800, Deduct	*-0.22*	
		For >12,800, Deduct	*-0.28*	

06 17 Shop-Fabricated Structural Wood *(06 10)*

06 17 13 Laminated Veneer Lumber *(06 17)*

06 17 13 00-0001 Laminated Veneer Lumber (LVL) *(06 17 13)*

06 17 13 00-0002	LF	1-3/4" Wide x 5-1/2" Deep Laminated Veneer Lumber (LVL)	7.25	1.92
06 17 13 00-0003	LF	1-3/4" Wide x 7-1/4" Deep Laminated Veneer Lumber (LVL)	7.93	1.95
06 17 13 00-0004	LF	1-3/4" Wide x 9-1/2" Deep Laminated Veneer Lumber (LVL)	8.70	1.98
06 17 13 00-0005	LF	1-3/4" Wide x 11-7/8" Deep Laminated Veneer Lumber (LVL)	9.67	2.01
06 17 13 00-0006	LF	1-3/4" Wide x 14" Deep Laminated Veneer Lumber (LVL)	10.39	2.05
06 17 13 00-0007	LF	1-3/4" Wide x 16" Deep Laminated Veneer Lumber (LVL)	11.43	2.13
06 17 13 00-0008	LF	1-3/4" Wide x 18" Deep Laminated Veneer Lumber (LVL)	12.89	2.16
06 17 13 00-0009	LF	1-3/4" Wide x 24" Deep Laminated Veneer Lumber (LVL)	17.53	2.45

06 17 23 Parallel Strand Lumber *(06 17)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 23 00-0001		**Laminated Strand Lumber (LSL)** *(06 17 23)*		
06 17 23 00-0002	LF	2" x 4" Laminated Strand Lumber (LSL)	2.50	0.89
06 17 23 00-0003	LF	2" x 6" Laminated Strand Lumber (LSL)	3.32	0.95
06 17 33		**Wood I-Joists** *(06 17)*		
06 17 33 00-0001		**Prefabricated Wood I-Joists** *(06 17 33)*		
06 17 33 00-0002	LF	9-1/2" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length	4.55	1.28
		For I-Joists 30' To 40' In Length, Add	*0.56*	
		For I-Joists >40' In Length, Add	*1.37*	
06 17 33 00-0003	LF	11-7/8" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length	4.92	1.41
		For I-Joists 30' To 40' In Length, Add	*0.62*	
		For I-Joists >40' In Length, Add	*1.53*	
06 17 33 00-0004	LF	14" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length	5.74	1.59
		For I-Joists 30' To 40' In Length, Add	*0.70*	
		For I-Joists >40' In Length, Add	*1.72*	
06 17 33 00-0005	LF	16" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length	6.46	1.77
		For I-Joists 30' To 40' In Length, Add	*0.78*	
		For I-Joists >40' In Length, Add	*1.92*	
06 17 43		**Rim Boards** *(06 17)*		
06 17 43 00-0001		**Oriented Strand Board (OSB) Rim Board** *(06 17 43)*		
06 17 43 00-0002	LF	1-1/8" Wide x 9-1/2" Deep, Oriented Strand Board (OSB) Rim Board	6.00	1.98
06 17 43 00-0003	LF	1-1/8" Wide x 11-7/8" Deep, Oriented Strand Board (OSB) Rim Board	6.51	2.01
06 17 43 00-0004	LF	1-1/8" Wide x 14" Deep, Oriented Strand Board (OSB) Rim Board	7.12	2.05
06 17 53		**Shop-Fabricated Wood Trusses** *(06 17)*		
		Note: Includes temporary and permanent bracing, and fastening with truss tie-downs.		
06 17 53 00-0001		**Pre-Assembled Wood Roof Trusses** *(06 17 53)*		
		Note: For King Post, Queen Post, Fink or Howe types. Includes 2" x 4" top and bottom chords up to 42' and with 2" x 6" top and bottom chords >42'.		
06 17 53 00-0002	EA	10' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	185.81	74.43
		For Up To 15, Add	*2.77*	
		For >35, Deduct	*-1.85*	
		For 3 In 12 Slope, Add	*1.11*	
		For 5 In 12 Slope, Add	*2.96*	
		For 6 In 12 Slope, Add	*5.54*	
		For 7 In 12 Slope, Add	*7.39*	
		For 8 In 12 Slope, Add	*8.87*	
06 17 53 00-0003	EA	12' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	206.19	81.52
		For Up To 15, Add	*3.24*	
		For >35, Deduct	*-2.16*	
		For 3 In 12 Slope, Add	*1.29*	
		For 5 In 12 Slope, Add	*3.45*	
		For 6 In 12 Slope, Add	*6.47*	
		For 7 In 12 Slope, Add	*8.63*	
		For 8 In 12 Slope, Add	*10.35*	
06 17 53 00-0004	EA	14' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	229.14	88.61
		For Up To 15, Add	*3.89*	
		For >35, Deduct	*-2.60*	
		For 3 In 12 Slope, Add	*1.56*	
		For 5 In 12 Slope, Add	*4.15*	
		For 6 In 12 Slope, Add	*7.79*	
		For 7 In 12 Slope, Add	*10.38*	
		For 8 In 12 Slope, Add	*12.46*	
06 17 53 00-0005	EA	16' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	258.85	95.70
		For Up To 15, Add	*5.06*	
		For >35, Deduct	*-3.37*	
		For 3 In 12 Slope, Add	*2.02*	
		For 5 In 12 Slope, Add	*5.40*	
		For 6 In 12 Slope, Add	*10.12*	
		For 7 In 12 Slope, Add	*13.49*	
		For 8 In 12 Slope, Add	*16.19*	
06 17 53 00-0006	EA	18' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	284.68	102.79
		For Up To 15, Add	*5.93*	
		For >35, Deduct	*-3.96*	
		For 3 In 12 Slope, Add	*2.37*	
		For 5 In 12 Slope, Add	*6.33*	
		For 6 In 12 Slope, Add	*11.87*	
		For 7 In 12 Slope, Add	*15.82*	
		For 8 In 12 Slope, Add	*18.98*	
06 17 53 00-0007	EA	20' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	300.70	113.42
		For Up To 15, Add	*5.54*	
		For >35, Deduct	*-3.69*	
		For 3 In 12 Slope, Add	*2.22*	
		For 5 In 12 Slope, Add	*5.91*	
		For 6 In 12 Slope, Add	*11.08*	
		For 7 In 12 Slope, Add	*14.77*	
		For 8 In 12 Slope, Add	*17.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0008	EA	22' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	317.04	180.77
		For Up To 15, Add	*5.70*	
		For >35, Deduct	*-3.80*	
		For 3 In 12 Slope, Add	*2.28*	
		For 5 In 12 Slope, Add	*6.08*	
		For 6 In 12 Slope, Add	*11.40*	
		For 7 In 12 Slope, Add	*15.20*	
		For 8 In 12 Slope, Add	*18.24*	
06 17 53 00-0009	EA	24' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	337.67	127.60
		For Up To 15, Add	*6.18*	
		For >35, Deduct	*-4.12*	
		For 3 In 12 Slope, Add	*2.47*	
		For 5 In 12 Slope, Add	*6.60*	
		For 6 In 12 Slope, Add	*12.37*	
		For 7 In 12 Slope, Add	*16.49*	
		For 8 In 12 Slope, Add	*19.79*	
06 17 53 00-0010	EA	26' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	358.98	202.04
		For Up To 15, Add	*6.72*	
		For >35, Deduct	*-4.48*	
		For 3 In 12 Slope, Add	*2.69*	
		For 5 In 12 Slope, Add	*7.17*	
		For 6 In 12 Slope, Add	*13.44*	
		For 7 In 12 Slope, Add	*17.92*	
		For 8 In 12 Slope, Add	*21.50*	
06 17 53 00-0011	EA	28' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	381.24	141.77
		For Up To 15, Add	*7.33*	
		For >35, Deduct	*-4.88*	
		For 3 In 12 Slope, Add	*2.93*	
		For 5 In 12 Slope, Add	*7.81*	
		For 6 In 12 Slope, Add	*14.65*	
		For 7 In 12 Slope, Add	*19.54*	
		For 8 In 12 Slope, Add	*23.44*	
06 17 53 00-0012	EA	30' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	398.52	223.30
		For Up To 15, Add	*7.56*	
		For >35, Deduct	*-5.04*	
		For 3 In 12 Slope, Add	*3.02*	
		For 5 In 12 Slope, Add	*8.06*	
		For 6 In 12 Slope, Add	*15.12*	
		For 7 In 12 Slope, Add	*20.16*	
		For 8 In 12 Slope, Add	*24.19*	
06 17 53 00-0013	EA	32' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	415.67	152.41
		For Up To 15, Add	*8.31*	
		For >35, Deduct	*-5.54*	
		For 3 In 12 Slope, Add	*3.33*	
		For 5 In 12 Slope, Add	*8.87*	
		For 6 In 12 Slope, Add	*16.63*	
		For 7 In 12 Slope, Add	*22.17*	
		For 8 In 12 Slope, Add	*26.60*	
06 17 53 00-0014	EA	34' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	451.91	239.32
		For Up To 15, Add	*9.97*	
		For >35, Deduct	*-6.65*	
		For 3 In 12 Slope, Add	*3.99*	
		For 5 In 12 Slope, Add	*10.63*	
		For 6 In 12 Slope, Add	*19.94*	
		For 7 In 12 Slope, Add	*26.58*	
		For 8 In 12 Slope, Add	*31.90*	
06 17 53 00-0015	EA	36' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	469.46	163.05
		For Up To 15, Add	*10.75*	
		For >35, Deduct	*-7.17*	
		For 3 In 12 Slope, Add	*4.30*	
		For 5 In 12 Slope, Add	*11.47*	
		For 6 In 12 Slope, Add	*21.51*	
		For 7 In 12 Slope, Add	*28.67*	
		For 8 In 12 Slope, Add	*34.41*	
06 17 53 00-0016	EA	38' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	493.43	255.21
		For Up To 15, Add	*11.49*	
		For >35, Deduct	*-7.66*	
		For 3 In 12 Slope, Add	*4.59*	
		For 5 In 12 Slope, Add	*12.25*	
		For 6 In 12 Slope, Add	*22.97*	
		For 7 In 12 Slope, Add	*30.63*	
		For 8 In 12 Slope, Add	*36.76*	
06 17 53 00-0017	EA	40' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	510.90	177.23
		For Up To 15, Add	*11.73*	
		For >35, Deduct	*-7.82*	
		For 3 In 12 Slope, Add	*4.69*	
		For 5 In 12 Slope, Add	*12.52*	
		For 6 In 12 Slope, Add	*23.47*	
		For 7 In 12 Slope, Add	*31.29*	
		For 8 In 12 Slope, Add	*37.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0018	EA	42' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	558.15	276.47
		For Up To 15, Add	*14.21*	
		For >35, Deduct	*-9.48*	
		For 3 In 12 Slope, Add	*5.69*	
		For 5 In 12 Slope, Add	*15.16*	
		For 6 In 12 Slope, Add	*28.43*	
		For 7 In 12 Slope, Add	*37.90*	
		For 8 In 12 Slope, Add	*45.48*	
06 17 53 00-0019	EA	44' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	604.52	191.40
		For Up To 15, Add	*16.63*	
		For >35, Deduct	*-11.09*	
		For 3 In 12 Slope, Add	*6.65*	
		For 5 In 12 Slope, Add	*17.74*	
		For 6 In 12 Slope, Add	*33.26*	
		For 7 In 12 Slope, Add	*44.34*	
		For 8 In 12 Slope, Add	*53.21*	
06 17 53 00-0020	EA	46' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	625.83	198.49
		For Up To 15, Add	*17.16*	
		For >35, Deduct	*-11.44*	
		For 3 In 12 Slope, Add	*6.87*	
		For 5 In 12 Slope, Add	*18.31*	
		For 6 In 12 Slope, Add	*34.33*	
		For 7 In 12 Slope, Add	*45.77*	
		For 8 In 12 Slope, Add	*54.92*	
06 17 53 00-0021	EA	48' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	655.79	205.58
		For Up To 15, Add	*18.35*	
		For >35, Deduct	*-12.23*	
		For 3 In 12 Slope, Add	*7.34*	
		For 5 In 12 Slope, Add	*19.57*	
		For 6 In 12 Slope, Add	*36.69*	
		For 7 In 12 Slope, Add	*48.93*	
		For 8 In 12 Slope, Add	*58.71*	
06 17 53 00-0022	EA	50' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	738.47	212.67
		For Up To 15, Add	*23.49*	
		For >35, Deduct	*-15.66*	
		For 3 In 12 Slope, Add	*9.39*	
		For 5 In 12 Slope, Add	*25.05*	
		For 6 In 12 Slope, Add	*46.97*	
		For 7 In 12 Slope, Add	*62.63*	
		For 8 In 12 Slope, Add	*75.15*	
06 17 53 00-0023	EA	52' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	705.40	191.26
		For Up To 15, Add	*21.01*	
		For >35, Deduct	*-14.00*	
		For 3 In 12 Slope, Add	*8.40*	
		For 5 In 12 Slope, Add	*22.41*	
		For 6 In 12 Slope, Add	*42.01*	
		For 7 In 12 Slope, Add	*56.01*	
		For 8 In 12 Slope, Add	*67.22*	
06 17 53 00-0024	EA	54' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	740.21	223.30
		For Up To 15, Add	*22.02*	
		For >35, Deduct	*-14.68*	
		For 3 In 12 Slope, Add	*8.81*	
		For 5 In 12 Slope, Add	*23.49*	
		For 6 In 12 Slope, Add	*44.04*	
		For 7 In 12 Slope, Add	*58.72*	
		For 8 In 12 Slope, Add	*70.46*	
06 17 53 00-0025	EA	56' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	768.82	207.00
		For Up To 15, Add	*23.10*	
		For >35, Deduct	*-15.40*	
		For 3 In 12 Slope, Add	*9.24*	
		For 5 In 12 Slope, Add	*24.64*	
		For 6 In 12 Slope, Add	*46.20*	
		For 7 In 12 Slope, Add	*61.61*	
		For 8 In 12 Slope, Add	*73.93*	
06 17 53 00-0026	EA	58' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	793.00	233.93
		For Up To 15, Add	*24.38*	
		For >35, Deduct	*-16.26*	
		For 3 In 12 Slope, Add	*9.75*	
		For 5 In 12 Slope, Add	*26.01*	
		For 6 In 12 Slope, Add	*48.77*	
		For 7 In 12 Slope, Add	*65.03*	
		For 8 In 12 Slope, Add	*78.03*	
06 17 53 00-0027	EA	60' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	808.90	237.48
		For Up To 15, Add	*25.05*	
		For >35, Deduct	*-16.70*	
		For 3 In 12 Slope, Add	*10.02*	
		For 5 In 12 Slope, Add	*26.72*	
		For 6 In 12 Slope, Add	*50.09*	
		For 7 In 12 Slope, Add	*66.79*	
		For 8 In 12 Slope, Add	*80.15*	

06 17 53 00-0028 Pre-Assembled Wood Gable End Roof Trusses *(06 17 53)*

Note: 24" on center gable studs. Includes 2" x 4" top and bottom chords up to 42' and with 2" x 6" top and bottom chords >42'.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0029	EA	10' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	190.50	74.43
		For 3 In 12 Slope, Add	*1.25*	
		For 5 In 12 Slope, Add	*3.33*	
		For 6 In 12 Slope, Add	*6.24*	
		For 7 In 12 Slope, Add	*8.33*	
		For 8 In 12 Slope, Add	*9.99*	
		For 16" On Center Gable Studs, Add	*8.33*	
06 17 53 00-0030	EA	12' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	211.67	81.52
		For 3 In 12 Slope, Add	*1.46*	
		For 5 In 12 Slope, Add	*3.89*	
		For 6 In 12 Slope, Add	*7.29*	
		For 7 In 12 Slope, Add	*9.72*	
		For 8 In 12 Slope, Add	*11.67*	
		For 16" On Center Gable Studs, Add	*9.72*	
06 17 53 00-0031	EA	14' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	235.74	88.61
		For 3 In 12 Slope, Add	*1.76*	
		For 5 In 12 Slope, Add	*4.68*	
		For 6 In 12 Slope, Add	*8.78*	
		For 7 In 12 Slope, Add	*11.70*	
		For 8 In 12 Slope, Add	*14.04*	
		For 16" On Center Gable Studs, Add	*11.70*	
06 17 53 00-0032	EA	16' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	267.43	95.70
		For 3 In 12 Slope, Add	*2.28*	
		For 5 In 12 Slope, Add	*6.08*	
		For 6 In 12 Slope, Add	*11.40*	
		For 7 In 12 Slope, Add	*15.21*	
		For 8 In 12 Slope, Add	*18.25*	
		For 16" On Center Gable Studs, Add	*15.21*	
06 17 53 00-0033	EA	18' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	294.74	102.79
		For 3 In 12 Slope, Add	*2.67*	
		For 5 In 12 Slope, Add	*7.13*	
		For 6 In 12 Slope, Add	*13.37*	
		For 7 In 12 Slope, Add	*17.83*	
		For 8 In 12 Slope, Add	*21.40*	
		For 16" On Center Gable Studs, Add	*17.83*	
06 17 53 00-0034	EA	20' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	320.66	113.42
		For 3 In 12 Slope, Add	*2.81*	
		For 5 In 12 Slope, Add	*7.51*	
		For 6 In 12 Slope, Add	*14.07*	
		For 7 In 12 Slope, Add	*18.76*	
		For 8 In 12 Slope, Add	*22.52*	
		For 16" On Center Gable Studs, Add	*18.76*	
06 17 53 00-0035	EA	22' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	337.57	120.51
		For 3 In 12 Slope, Add	*2.90*	
		For 5 In 12 Slope, Add	*7.72*	
		For 6 In 12 Slope, Add	*14.48*	
		For 7 In 12 Slope, Add	*19.31*	
		For 8 In 12 Slope, Add	*23.17*	
		For 16" On Center Gable Studs, Add	*19.31*	
06 17 53 00-0036	EA	24' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	359.94	127.60
		For 3 In 12 Slope, Add	*3.14*	
		For 5 In 12 Slope, Add	*8.38*	
		For 6 In 12 Slope, Add	*15.71*	
		For 7 In 12 Slope, Add	*20.95*	
		For 8 In 12 Slope, Add	*25.14*	
		For 16" On Center Gable Studs, Add	*20.95*	
06 17 53 00-0037	EA	26' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	383.18	134.69
		For 3 In 12 Slope, Add	*3.41*	
		For 5 In 12 Slope, Add	*9.10*	
		For 6 In 12 Slope, Add	*17.07*	
		For 7 In 12 Slope, Add	*22.76*	
		For 8 In 12 Slope, Add	*27.31*	
		For 16" On Center Gable Studs, Add	*22.76*	
06 17 53 00-0038	EA	28' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	407.63	141.77
		For 3 In 12 Slope, Add	*3.72*	
		For 5 In 12 Slope, Add	*9.93*	
		For 6 In 12 Slope, Add	*18.61*	
		For 7 In 12 Slope, Add	*24.81*	
		For 8 In 12 Slope, Add	*29.78*	
		For 16" On Center Gable Studs, Add	*24.81*	
06 17 53 00-0039	EA	30' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	426.83	148.87
		For 3 In 12 Slope, Add	*3.87*	
		For 5 In 12 Slope, Add	*10.33*	
		For 6 In 12 Slope, Add	*19.36*	
		For 7 In 12 Slope, Add	*25.82*	
		For 8 In 12 Slope, Add	*30.98*	
		For 16" On Center Gable Studs, Add	*25.82*	
06 17 53 00-0040	EA	32' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	446.82	152.41
		For 3 In 12 Slope, Add	*4.26*	
		For 5 In 12 Slope, Add	*11.36*	
		For 6 In 12 Slope, Add	*21.30*	
		For 7 In 12 Slope, Add	*28.40*	
		For 8 In 12 Slope, Add	*34.08*	
		For 16" On Center Gable Studs, Add	*28.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0041	EA	34' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	489.25	159.50
		For 3 In 12 Slope, Add	*5.11*	
		For 5 In 12 Slope, Add	*13.62*	
		For 6 In 12 Slope, Add	*25.54*	
		For 7 In 12 Slope, Add	*34.05*	
		For 8 In 12 Slope, Add	*40.86*	
		For 16" On Center Gable Studs, Add	*34.05*	
06 17 53 00-0042	EA	36' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	509.76	163.05
		For 3 In 12 Slope, Add	*5.51*	
		For 5 In 12 Slope, Add	*14.69*	
		For 6 In 12 Slope, Add	*27.55*	
		For 7 In 12 Slope, Add	*36.73*	
		For 8 In 12 Slope, Add	*44.08*	
		For 16" On Center Gable Studs, Add	*36.73*	
06 17 53 00-0043	EA	38' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	536.47	170.14
		For 3 In 12 Slope, Add	*5.89*	
		For 5 In 12 Slope, Add	*15.70*	
		For 6 In 12 Slope, Add	*29.43*	
		For 7 In 12 Slope, Add	*39.24*	
		For 8 In 12 Slope, Add	*47.09*	
		For 16" On Center Gable Studs, Add	*39.24*	
06 17 53 00-0044	EA	40' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	567.48	177.23
		For 3 In 12 Slope, Add	*6.39*	
		For 5 In 12 Slope, Add	*17.04*	
		For 6 In 12 Slope, Add	*31.95*	
		For 7 In 12 Slope, Add	*42.61*	
		For 8 In 12 Slope, Add	*51.13*	
		For 16" On Center Gable Studs, Add	*42.61*	
06 17 53 00-0045	EA	42' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	626.71	184.31
		For 3 In 12 Slope, Add	*7.74*	
		For 5 In 12 Slope, Add	*20.65*	
		For 6 In 12 Slope, Add	*38.71*	
		For 7 In 12 Slope, Add	*51.62*	
		For 8 In 12 Slope, Add	*61.94*	
		For 16" On Center Gable Studs, Add	*51.62*	
06 17 53 00-0046	EA	44' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	684.71	191.40
		For 3 In 12 Slope, Add	*9.06*	
		For 5 In 12 Slope, Add	*24.15*	
		For 6 In 12 Slope, Add	*45.29*	
		For 7 In 12 Slope, Add	*60.38*	
		For 8 In 12 Slope, Add	*72.46*	
		For 16" On Center Gable Studs, Add	*60.38*	
06 17 53 00-0047	EA	46' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	708.61	198.49
		For 3 In 12 Slope, Add	*9.35*	
		For 5 In 12 Slope, Add	*24.93*	
		For 6 In 12 Slope, Add	*46.74*	
		For 7 In 12 Slope, Add	*62.33*	
		For 8 In 12 Slope, Add	*74.79*	
		For 16" On Center Gable Studs, Add	*62.33*	
06 17 53 00-0048	EA	48' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	744.26	205.58
		For 3 In 12 Slope, Add	*9.99*	
		For 5 In 12 Slope, Add	*26.65*	
		For 6 In 12 Slope, Add	*49.97*	
		For 7 In 12 Slope, Add	*66.62*	
		For 8 In 12 Slope, Add	*79.94*	
		For 16" On Center Gable Studs, Add	*66.62*	
06 17 53 00-0049	EA	50' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	807.56	212.67
		For 3 In 12 Slope, Add	*11.47*	
		For 5 In 12 Slope, Add	*30.58*	
		For 6 In 12 Slope, Add	*57.33*	
		For 7 In 12 Slope, Add	*76.45*	
		For 8 In 12 Slope, Add	*91.74*	
		For 16" On Center Gable Studs, Add	*76.45*	
06 17 53 00-0050	EA	52' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	826.85	219.76
		For 3 In 12 Slope, Add	*11.62*	
		For 5 In 12 Slope, Add	*30.99*	
		For 6 In 12 Slope, Add	*58.10*	
		For 7 In 12 Slope, Add	*77.47*	
		For 8 In 12 Slope, Add	*92.96*	
		For 16" On Center Gable Studs, Add	*77.47*	
06 17 53 00-0051	EA	54' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	852.66	223.30
		For 3 In 12 Slope, Add	*12.18*	
		For 5 In 12 Slope, Add	*32.48*	
		For 6 In 12 Slope, Add	*60.91*	
		For 7 In 12 Slope, Add	*81.21*	
		For 8 In 12 Slope, Add	*97.45*	
		For 16" On Center Gable Studs, Add	*81.21*	
06 17 53 00-0052	EA	56' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	886.78	230.39
		For 3 In 12 Slope, Add	*12.78*	
		For 5 In 12 Slope, Add	*34.08*	
		For 6 In 12 Slope, Add	*63.90*	
		For 7 In 12 Slope, Add	*85.20*	
		For 8 In 12 Slope, Add	*102.24*	
		For 16" On Center Gable Studs, Add	*85.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0053	EA	58' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	917.51	233.93
		For 3 In 12 Slope, Add	*13.49*	
		For 5 In 12 Slope, Add	*35.97*	
		For 6 In 12 Slope, Add	*67.45*	
		For 7 In 12 Slope, Add	*89.93*	
		For 8 In 12 Slope, Add	*107.91*	
		For 16" On Center Gable Studs, Add	*89.93*	
06 17 53 00-0054	EA	60' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	936.79	237.48
		For 3 In 12 Slope, Add	*13.85*	
		For 5 In 12 Slope, Add	*36.95*	
		For 6 In 12 Slope, Add	*69.27*	
		For 7 In 12 Slope, Add	*92.37*	
		For 8 In 12 Slope, Add	*110.84*	
		For 16" On Center Gable Studs, Add	*92.37*	

06 18 Glued-Laminated Construction *(06 10)*

06 18 13 Glued-Laminated Beams *(06 18)*

06 18 13 00-0001 Glue Laminated Straight Beams *(06 18 13)*

Note: Based on southern yellow pine or hemlock lumber with waterproof glue and factor applied sealer.

06 18 13 00-0002	LF	3-1/2" x 6" Glue Laminated Straight Beam	9.34	3.07
06 18 13 00-0003	LF	3-1/2" x 7-1/2" Glue Laminated Straight Beam	11.67	3.83
06 18 13 00-0004	LF	3-1/2" x 9" Glue Laminated Straight Beam	14.01	4.60
06 18 13 00-0005	LF	3-1/2" x 9-1/2" Glue Laminated Straight Beam	14.78	4.86
06 18 13 00-0006	LF	3-1/2" x 10-1/2" Glue Laminated Straight Beam	16.34	5.36
06 18 13 00-0007	LF	3-1/2" x 12" Glue Laminated Straight Beam	18.67	6.13
06 18 13 00-0008	LF	3-1/2" x 13-1/2" Glue Laminated Straight Beam	21.01	6.91
06 18 13 00-0009	LF	3-1/2" x 14" Glue Laminated Straight Beam	21.79	7.16
06 18 13 00-0010	LF	3-1/2" x 15" Glue Laminated Straight Beam	23.35	7.67
06 18 13 00-0011	LF	3-1/2" x 16" Glue Laminated Straight Beam	24.89	8.19
06 18 13 00-0012	LF	3-1/2" x 16-1/2" Glue Laminated Straight Beam	25.68	8.45
06 18 13 00-0013	LF	3-1/2" x 18" Glue Laminated Straight Beam	28.00	9.22
06 18 13 00-0014	LF	3-1/2" x 19-1/2" Glue Laminated Straight Beam	30.35	9.98
06 18 13 00-0015	LF	3-1/2" x 21" Glue Laminated Straight Beam	32.68	10.75
06 18 13 00-0016	LF	3-1/2" x 22.5" Glue Laminated Straight Beam	35.03	11.52
06 18 13 00-0017	LF	5-1/2" x 6" Glue Laminated Straight Beam	14.67	4.83
06 18 13 00-0018	LF	5-1/2" x 7-1/2" Glue Laminated Straight Beam	18.35	6.04
06 18 13 00-0019	LF	5-1/2" x 9" Glue Laminated Straight Beam	22.01	7.24
06 18 13 00-0020	LF	5-1/2" x 9-1/2" Glue Laminated Straight Beam	23.24	7.64
06 18 13 00-0021	LF	5-1/2" x 10-1/2" Glue Laminated Straight Beam	25.68	8.45
06 18 13 00-0022	LF	5-1/2" x 12" Glue Laminated Straight Beam	29.35	9.65
06 18 13 00-0023	LF	5-1/2" x 13-1/2" Glue Laminated Straight Beam	33.02	10.86
06 18 13 00-0024	LF	5-1/2" x 14" Glue Laminated Straight Beam	34.24	11.25
06 18 13 00-0025	LF	5-1/2" x 15" Glue Laminated Straight Beam	36.68	12.07
06 18 13 00-0026	LF	5-1/2" x 16" Glue Laminated Straight Beam	39.13	12.87
06 18 13 00-0027	LF	5-1/2" x 16-1/2" Glue Laminated Straight Beam	40.35	13.28
06 18 13 00-0028	LF	5-1/2" x 18" Glue Laminated Straight Beam	44.03	14.48
06 18 13 00-0029	LF	5-1/2" x 19-1/2" Glue Laminated Straight Beam	47.69	15.69
06 18 13 00-0030	LF	5-1/2" x 21" Glue Laminated Straight Beam	51.35	16.88
06 18 13 00-0031	LF	5-1/2" x 22.5" Glue Laminated Straight Beam	55.04	18.09
06 18 13 00-0032	LF	5-1/2" x 24" Glue Laminated Straight Beam	58.70	19.29
06 18 13 00-0033	LF	6-3/4" x 9" Glue Laminated Straight Beam	27.02	8.89
06 18 13 00-0034	LF	6-3/4" x 9-1/2" Glue Laminated Straight Beam	28.51	9.38
06 18 13 00-0035	LF	6-3/4" x 10-1/2" Glue Laminated Straight Beam	31.51	10.36
06 18 13 00-0036	LF	6-3/4" x 12" Glue Laminated Straight Beam	36.02	11.84
06 18 13 00-0037	LF	6-3/4" x 13-1/2" Glue Laminated Straight Beam	40.53	13.32
06 18 13 00-0038	LF	6-3/4" x 14" Glue Laminated Straight Beam	42.02	13.82
06 18 13 00-0039	LF	6-3/4" x 15" Glue Laminated Straight Beam	45.02	14.81
06 18 13 00-0040	LF	6-3/4" x 16" Glue Laminated Straight Beam	48.02	15.78
06 18 13 00-0041	LF	6-3/4" x 16-1/2" Glue Laminated Straight Beam	49.53	16.28
06 18 13 00-0042	LF	6-3/4" x 18" Glue Laminated Straight Beam	54.01	17.76
06 18 13 00-0043	LF	6-3/4" x 19-1/2" Glue Laminated Straight Beam	58.52	19.25
06 18 13 00-0044	LF	6-3/4" x 21" Glue Laminated Straight Beam	63.02	20.72
06 18 13 00-0045	LF	6-3/4" x 22.5" Glue Laminated Straight Beam	67.52	22.21
06 18 13 00-0046	LF	6-3/4" x 24" Glue Laminated Straight Beam	72.03	23.69
06 18 13 00-0047	LF	8-3/4" x 9" Glue Laminated Straight Beam	35.03	11.52
06 18 13 00-0048	LF	8-3/4" x 9-1/2" Glue Laminated Straight Beam	36.96	12.15
06 18 13 00-0049	LF	8-3/4" x 10-1/2" Glue Laminated Straight Beam	40.85	13.44
06 18 13 00-0050	LF	8-3/4" x 12" Glue Laminated Straight Beam	46.69	15.35
06 18 13 00-0051	LF	8-3/4" x 13-1/2" Glue Laminated Straight Beam	52.53	17.27
06 18 13 00-0052	LF	8-3/4" x 14" Glue Laminated Straight Beam	54.47	17.91
06 18 13 00-0053	LF	8-3/4" x 15" Glue Laminated Straight Beam	58.36	19.19
06 18 13 00-0054	LF	8-3/4" x 16" Glue Laminated Straight Beam	62.24	20.47
06 18 13 00-0055	LF	8-3/4" x 16-1/2" Glue Laminated Straight Beam	64.20	21.10
06 18 13 00-0056	LF	8-3/4" x 18" Glue Laminated Straight Beam	70.04	23.02
06 18 13 00-0057	LF	8-3/4" x 19-1/2" Glue Laminated Straight Beam	75.87	24.94
06 18 13 00-0058	LF	8-3/4" x 21" Glue Laminated Straight Beam	81.71	26.87
06 18 13 00-0059	LF	8-3/4" x 22.5" Glue Laminated Straight Beam	87.54	28.79
06 18 13 00-0060	LF	8-3/4" x 24" Glue Laminated Straight Beam	93.38	30.71

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 18 13 00-0061		Glue Laminated Decking *(06 18 13)*		
06 18 13 00-0062	LF	2" - 4" Thick x 4" Wide Glue Laminated Decking	4.74	1.91
06 18 13 00-0063	LF	2" - 4" Thick x 6" Wide Glue Laminated Decking	4.90	1.91
06 18 13 00-0064	LF	2" - 4" Thick x 8" Wide Glue Laminated Decking	5.03	1.79
06 18 16		**Glued-Laminated Columns** *(06 18)*		
06 18 16 00-0001		Glue Laminated Structural Units *(06 18 16)*		
		Note: Based on southern yellow pine or hemlock lumber in 2" laminations with waterproof glue and factor applied sealer.		
06 18 16 00-0002	LF	3-1/4" x 7-1/2" Glue Laminated Purlin Or Column	13.78	3.89
06 18 16 00-0003	LF	3-1/4" x 9-1/4" Glue Laminated Purlin Or Column	15.53	4.32
06 18 16 00-0004	LF	5-1/4" x 9-1/4" Glue Laminated Purlin Or Column	29.32	9.23
06 18 16 00-0005	LF	5-1/4" x 13" Glue Laminated Purlin Or Column	32.16	9.68
06 20		**Finish Carpentry** *(06)*		
06 22		**Millwork** *(06 20)*		
06 22 13		**Standard Pattern Wood Trim** *(06 22)*		
06 22 13 00-0001		Pine Moldings (All Dimensions Are Nominal) *(06 22 13)*		
06 22 13 00-0002	LF	1/4" x 1-1/4" Wood Lattice Strip	3.23	1.11
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.41*	
06 22 13 00-0003	LF	1/4" x 1-5/8" Wood Lattice Strip	3.40	0.89
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.41*	
06 22 13 00-0004	LF	1/4" x 2-1/2" Wood Lattice Strip	4.34	0.89
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.41*	
06 22 13 00-0005	LF	1/4" x 3-1/2" Wood Lattice Strip	4.89	0.89
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.41*	
06 22 13 00-0006		Ceilings (All Dimensions Are Nominal) *(06 22 13)*		
06 22 13 00-0007		White Pine *(06 22 13 00-0006)*		
06 22 13 00-0008	LF	9/16" x 3-5/8" White Pine Crown Or Bed Molding	15.38	3.87
		For Birch, Add	*3.55*	
		For Mahogany, Oak, Maple Or Walnut, Add	*4.99*	
		For Poplar, Add	*1.97*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	
		For Stain Grade Material (No Finger Joints), Add	*1.28*	
06 22 13 00-0009	LF	11/16" x 4-5/8" White Pine Crown Or Bed Molding	20.69	4.63
		For Birch, Add	*5.07*	
		For Mahogany, Oak, Maple Or Walnut, Add	*6.99*	
		For Poplar, Add	*2.81*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.52*	
		For Stain Grade Material (No Finger Joints), Add	*1.83*	
06 22 13 00-0010	LF	3/4" x 3/4" White Pine Crown Or Bed Molding	7.35	2.65
		For Birch, Add	*1.06*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.76*	
		For Poplar, Add	*0.59*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.01*	
		For Stain Grade Material (No Finger Joints), Add	*0.38*	
06 22 13 00-0011	LF	9/16" x 1-5/8" White Pine Crown Or Bed Molding	8.41	2.65
		For Birch, Add	*1.44*	
		For Mahogany, Oak, Maple Or Walnut, Add	*2.24*	
		For Poplar, Add	*0.80*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.01*	
		For Stain Grade Material (No Finger Joints), Add	*0.52*	
06 22 13 00-0012	LF	9/16" x 2-1/4" White Pine Crown Or Bed Molding	11.07	3.31
		For Birch, Add	*2.00*	
		For Mahogany, Oak, Maple Or Walnut, Add	*3.05*	
		For Poplar, Add	*1.11*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	
		For Stain Grade Material (No Finger Joints), Add	*0.72*	
06 22 13 00-0013	LF	3/4" x 3-1/2" White Pine Crown Or Bed Molding	12.83	3.31
		For Birch, Add	*2.63*	
		For Mahogany, Oak, Maple Or Walnut, Add	*3.84*	
		For Poplar, Add	*1.46*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	
		For Stain Grade Material (No Finger Joints), Add	*0.95*	
06 22 13 00-0014	LF	5/8" x 4-1/4" White Pine Crown Or Bed Molding	15.96	3.98
		For Birch, Add	*3.36*	
		For Mahogany, Oak, Maple Or Walnut, Add	*4.87*	
		For Poplar, Add	*1.87*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.52*	
		For Stain Grade Material (No Finger Joints), Add	*1.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 22 13 00-0015	LF	1" x 2" White Pine Dentil Molding	7.62	3.09
		For Birch, Add	*1.16*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.89*	
		For Poplar, Add	*0.64*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.01*	
		For Stain Grade Material (No Finger Joints), Add	*0.42*	
06 22 13 00-0016	LF	9/16" x 1-3/4" White Pine Cove Molding	6.47	2.32
		For Birch, Add	*1.14*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.75*	
		For Poplar, Add	*0.63*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.76*	
		For Stain Grade Material (No Finger Joints), Add	*0.41*	
06 22 13 00-0017	LF	11/16" x 2-3/4" White Pine Cove Molding	9.85	2.32
		For Birch, Add	*2.35*	
		For Mahogany, Oak, Maple Or Walnut, Add	*3.27*	
		For Poplar, Add	*1.31*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.76*	
		For Stain Grade Material (No Finger Joints), Add	*0.85*	
06 22 13 00-0018	LF	3/8" x 3/8" White Pine Cove Molding	3.79	1.33
		For Birch, Add	*0.54*	
		For Mahogany, Oak, Maple Or Walnut, Add	*0.90*	
		For Poplar, Add	*0.30*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.53*	
		For Stain Grade Material (No Finger Joints), Add	*0.19*	
06 22 13 00-0019	LF	1/2" x 1/2" White Pine Cove Molding	4.17	1.33
		For Birch, Add	*0.67*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.07*	
		For Poplar, Add	*0.37*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.53*	
		For Stain Grade Material (No Finger Joints), Add	*0.24*	
06 22 13 00-0020	LF	5/8" x 5/8" White Pine Cove Molding	5.59	1.65
		For Birch, Add	*1.02*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.55*	
		For Poplar, Add	*0.57*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.63*	
		For Stain Grade Material (No Finger Joints), Add	*0.37*	
06 22 13 00-0021	LF	3/4" x 3/4" White Pine Cove Molding	5.59	1.65
		For Birch, Add	*1.02*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.55*	
		For Poplar, Add	*0.57*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.63*	
		For Stain Grade Material (No Finger Joints), Add	*0.37*	
06 22 13 00-0022	LF	15/16" x 15/16" White Pine Cove Molding	7.30	1.65
		For Birch, Add	*1.63*	
		For Mahogany, Oak, Maple Or Walnut, Add	*2.32*	
		For Poplar, Add	*0.91*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.63*	
		For Stain Grade Material (No Finger Joints), Add	*0.59*	
06 22 13 00-0023	LF	7-1/2" Wide White Pine Mullion Covers	48.47	1.98
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.91*	
06 22 13 00-0024	LF	Three Piece White Pine Mullion Trim, 2 Cove Moldings	61.44	1.98
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.91*	
06 22 13 00-0025		Cedar Trim *(06 22 13 00-0006)*		
06 22 13 00-0026	LF	2" x 4" Cedar Ceiling Trim	12.83	5.56
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.84*	
06 22 13 00-0027		Oak Trim *(06 22 13 00-0006)*		
06 22 13 00-0028	LF	1" x 8" Clear Oak Ceiling Trim	13.41	5.12
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.71*	
06 22 13 00-0029		Closet Poles *(06 22 13)*		
06 22 13 00-0030	LF	1-1/8" Diameter Pine Closet Poles	11.25	2.87
06 22 13 00-0031	LF	1-5/8" Diameter Pine Closet Poles	13.78	2.87
06 22 13 00-0032	LF	2" Diameter Pine Closet Poles	18.99	3.20

06 25 Prefinished Paneling *(06 20)*

06 25 16 Prefinished Plywood Paneling *(06 25)*

06 25 16 00-0001 Hardboard Panels *(06 25 16)*
Note: Excludes furring and trim.

06 25 16 00-0002 Tempered Hardboard Panels *(06 25 16 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 25 16 00-0003	SF	1/4" Tempered Hardboard Panels	7.15	2.00
		For Waterproof Glue, Add	*0.18*	
		For Ceiling Installation, Add	*1.37*	
		For Glue Laminated Installation, Add	*0.36*	
		For 1/8" Thick Paneling, Deduct	*-0.75*	
		For 1/2" Thick Paneling, Add	*1.95*	
		For 5/8" Thick Paneling, Add	*2.49*	
		For 3/4" Thick Paneling, Add	*3.19*	
		For Fire Retardant Treatment (Class I), Add	*2.05*	
06 25 16 00-0004	SF	1/4" Plastic Faced Tempered Hardboard Panels	7.71	2.45
		For Waterproof Glue, Add	*0.17*	
		For Ceiling Installation, Add	*1.60*	
		For Glue Laminated Installation, Add	*0.39*	
		For 1/8" Thick Paneling, Deduct	*-0.77*	
		For 1/2" Thick Paneling, Add	*1.92*	
		For 5/8" Thick Paneling, Add	*2.42*	
		For 3/4" Thick Paneling, Add	*3.06*	
		For Fire Retardant Treatment (Class I), Add	*1.87*	
06 25 16 00-0005	SF	1/4" Pegboard Tempered Hardboard Panels	8.92	2.00
		For Waterproof Glue, Add	*0.31*	
		For Ceiling Installation, Add	*1.37*	
		For Glue Laminated Installation, Add	*0.45*	
		For 1/8" Thick Paneling, Deduct	*-1.05*	
		For 1/2" Thick Paneling, Add	*2.90*	
		For 5/8" Thick Paneling, Add	*3.82*	
		For 3/4" Thick Paneling, Add	*4.99*	
		For Fire Retardant Treatment (Class I), Add	*3.44*	
06 25 16 00-0006	SF	1/4" Plastic Faced Pegboard Tempered Hardboard	8.25	2.45
		For Waterproof Glue, Add	*0.20*	
		For Ceiling Installation, Add	*1.60*	
		For Glue Laminated Installation, Add	*0.41*	
		For 1/8" Thick Paneling, Deduct	*-0.86*	
		For 1/2" Thick Paneling, Add	*2.21*	
		For 5/8" Thick Paneling, Add	*2.82*	
		For 3/4" Thick Paneling, Add	*3.61*	
		For Fire Retardant Treatment (Class I), Add	*2.30*	

06 25 16 00-0007 Untempered Hardboard Panels *(06 25 16 00-0001)*

06 25 16 00-0008	SF	1/4" Untempered Hardboard Panels	6.59	2.00
		For Waterproof Glue, Add	*0.14*	
		For Glue Laminated Installation, Add	*0.33*	
		For Lumber Core, Add	*0.22*	
		For Fire Retardant Treatment (Class I), Add	*1.60*	

06 40 Architectural Woodwork *(06)*

06 41 Architectural Wood Casework *(06 40)*

06 41 13 Wood-Veneer-Faced Architectural Cabinets *(06 41)*

06 41 13 00-0001 Removal And Reinstallation Of Cabinet Or Counters *(06 41 13)*

Note: Includes storage, cleaning and supply materials. Any height or width.

06 41 13 00-0002	LF	Removal And Reinstallation Of Wood Base Cabinets	84.45
06 41 13 00-0003	LF	Removal And Reinstallation Of Wall Cabinets	73.43
06 41 13 00-0004	LF	Removal And Reinstallation Of Plastic Laminated Countertops	17.53

06 41 13 00-0005 Wood-Veneer Faced Wall And Base Cabinets *(06 41 13)*

Note: Kitchen cabinets are constructed of 3/8" and 1/2" thick laminated particleboard with corner braces. Shelves are 3/4" laminated particleboard. The face frame is 3/4" x 1-1/2" solid wood. Hinges are 6 way adjustable, fully concealed steel. Drawers are 1/2" thick laminated particleboard boxes with 3/8" laminated particleboard bottoms. Drawer guides are side mounted, epoxy coated double rails. Excludes door or drawer pull hardware.

06 41 13 00-0006 Solid Maple Face Frame And Door, Wall And Base Cabinets *(06 41 13 00-0005)*

06 41 13 00-0007 Base Cabinets, 35" High, 23-3/4" Deep *(06 41 13 00-0006)*

06 41 13 00-0008	EA	12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	414.67	22.07
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*125.47*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0009	EA	15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	441.50	27.59
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*125.47*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0010	EA	18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	461.79	33.11
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*125.47*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0011	EA	21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	486.11	38.63
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*125.47*	
		For All Plywood Box Construction, Add	*130.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0012	EA	24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	554.50	44.15
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*125.47*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0013	EA	27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	580.04	49.67
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*125.47*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0014	EA	30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	628.01	55.19
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*125.47*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0015	EA	33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	661.89	60.71
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*125.47*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0016	EA	36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	682.46	66.23
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*125.47*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0017	EA	48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	779.29	88.31
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*250.94*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0018	EA	30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	866.20	55.19
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*250.94*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0019	EA	36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	962.11	66.23
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*250.94*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0020	EA	30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	909.79	55.19
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*376.42*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0021	EA	36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	1,016.34	66.23
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*376.42*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0022	EA	12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	421.05	22.07
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*376.42*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0023	EA	15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	430.87	27.59
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*376.42*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0024	EA	18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	471.36	33.11
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*376.42*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0025	EA	21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	502.06	38.63
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*376.42*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0026	EA	24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	523.67	44.15
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*376.42*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0027	EA	27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	550.27	49.67
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*376.42*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0028	EA	30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	907.67	55.19
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*376.42*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0029	EA	33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	957.50	60.71
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*376.42*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0030	EA	36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	1,006.77	66.23
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*376.42*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0031	EA	12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	518.88	22.07
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*501.89*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0032	EA	15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	529.75	27.59
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*501.89*	
		For All Plywood Box Construction, Add	*130.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0033	EA	18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	575.56	33.11
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*501.89*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0034	EA	21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	612.65	38.63
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*501.89*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0035	EA	24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	644.89	44.15
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*501.89*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0036	EA	27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	677.87	49.67
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*501.89*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0037	EA	30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	952.33	55.19
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*501.89*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0038	EA	33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	1,007.47	60.71
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*501.89*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0039	EA	36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	1,064.19	66.23
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*501.89*	
		For All Plywood Box Construction, Add	*130.79*	

06 41 13 00-0040 Wall Cabinet, 12" High, 12" Deep *(06 41 13 00-0006)*

06 41 13 00-0041	EA	30" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet	371.08	55.19
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0042	EA	33" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet	396.40	60.71
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0043	EA	36" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet	437.20	66.23
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0044	EA	39" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet	466.98	71.75
		For All Plywood Box Construction, Add	*70.18*	

06 41 13 00-0045 Wall Cabinets, 14" High, 12" Deep *(06 41 13 00-0006)*

06 41 13 00-0046	EA	12" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	314.57	22.07
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0047	EA	15" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	322.08	27.59
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0048	EA	18" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	338.12	33.11
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0049	EA	21" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	346.70	38.63
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0050	EA	24" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	356.35	44.15
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0051	EA	30" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	373.45	55.19
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0052	EA	33" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	400.11	60.71
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0053	EA	36" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	437.20	66.23
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0054	EA	39" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	466.98	71.75
		For All Plywood Box Construction, Add	*70.18*	

06 41 13 00-0055 Wall Cabinets, 18" High, 12" Deep *(06 41 13 00-0006)*

06 41 13 00-0056	EA	12" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	327.33	22.07
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0057	EA	15" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	344.41	27.59
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0058	EA	18" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	357.26	33.11
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0059	EA	21" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	371.15	38.63
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0060	EA	24" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	390.38	44.15
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0061	EA	27" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	412.74	49.70
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0062	EA	30" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	432.99	55.19
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0063	EA	33" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	449.03	60.71
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0064	EA	36" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	458.47	66.23
		For All Plywood Box Construction, Add	*70.18*	

06 41 13 00-0065 Wall Cabinets, 30" High, 12" Deep *(06 41 13 00-0006)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0066	EA	12" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	354.62	22.07
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0067	EA	15" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	386.64	27.59
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0068	EA	18" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	413.08	33.11
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0069	EA	21" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	445.13	38.63
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0070	EA	24" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	476.18	44.15
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0071	EA	27" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	522.99	49.70
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0072	EA	30" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	535.79	55.19
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0073	EA	33" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	584.95	60.71
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0074	EA	36" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	602.21	66.23
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0075		**Wall Cabinets, 36" High, 12" Deep** *(06 41 13 00-0006)*		
06 41 13 00-0076	EA	12" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	400.34	22.07
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0077	EA	15" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	434.49	27.59
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0078	EA	18" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	464.12	33.11
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0079	EA	21" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	498.30	38.63
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0080	EA	24" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	585.70	44.15
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0081	EA	27" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	588.91	49.70
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0082	EA	30" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	610.23	55.19
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0083	EA	33" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	667.89	60.71
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0084	EA	36" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	685.15	66.23
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0085		**Wall Cabinets, 42" High, 12" Deep** *(06 41 13 00-0006)*		
06 41 13 00-0086	EA	12" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	448.19	22.07
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0087	EA	15" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	489.78	27.59
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0088	EA	18" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	521.53	33.11
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0089	EA	21" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	554.65	38.63
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0090	EA	24" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	604.84	44.15
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0091	EA	27" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	646.33	49.70
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0092	EA	30" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	680.41	55.19
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0093	EA	33" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	745.51	60.71
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0094	EA	36" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	768.08	66.23
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0095		**Wall Cabinets, 12" High, 23-3/4" Deep** *(06 41 13 00-0006)*		
06 41 13 00-0096	EA	30" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	424.92	55.19
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0097	EA	33" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	456.67	60.71
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0098	EA	36" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	491.06	66.23
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0099	EA	39" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	531.49	71.75
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0100	EA	48" Wide, 12" High x 23-3/4" Deep, Triple Door, Solid Maple Face Frame and Door, Wall Cabinet	629.43	88.31
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0101		**Utility Cabinets, 84" High** *(06 41 13 00-0006)*		
06 41 13 00-0102	EA	15" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	810.35	49.06
		For All Plywood Box Construction, Add	*259.45*	
06 41 13 00-0103	EA	18" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	917.57	58.87
		For All Plywood Box Construction, Add	*259.45*	
06 41 13 00-0104	EA	21" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,032.24	461.14
		For All Plywood Box Construction, Add	*259.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0105	EA	24" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,084.18	78.50
		For All Plywood Box Construction, Add	*259.45*	
06 41 13 00-0106	EA	30" Wide, 84" High x 12" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,315.80	98.11
		For All Plywood Box Construction, Add	*259.45*	
06 41 13 00-0107	EA	36" Wide, 84" High x 12" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,519.78	117.74
		For All Plywood Box Construction, Add	*259.45*	
06 41 13 00-0108	EA	15" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	918.81	49.06
		For All Plywood Box Construction, Add	*259.45*	
06 41 13 00-0109	EA	18" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,016.46	58.87
		For All Plywood Box Construction, Add	*259.45*	
06 41 13 00-0110	EA	21" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,161.96	68.68
		For All Plywood Box Construction, Add	*259.45*	
06 41 13 00-0111	EA	24" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,234.10	78.50
		For All Plywood Box Construction, Add	*259.45*	
06 41 13 00-0112	EA	30" Wide, 84" High x 24" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,535.91	98.11
		For All Plywood Box Construction, Add	*259.45*	
06 41 13 00-0113	EA	36" Wide, 84" High x 24" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,757.97	117.74
		For All Plywood Box Construction, Add	*259.45*	
06 41 13 00-0114		Solid Oak Face Frame And Door, Wall And Base Cabinets *(06 41 13 00-0005)*		
06 41 13 00-0115		Base Cabinets, 35" High, 23-3/4" Deep *(06 41 13 00-0114)*		
06 41 13 00-0116	EA	12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	373.20	22.07
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*125.47*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0117	EA	15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	396.84	27.59
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*125.47*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0118	EA	18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	415.00	33.11
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*125.47*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0119	EA	21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	437.20	38.63
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*125.47*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0120	EA	24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	497.08	44.15
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*125.47*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0121	EA	27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	520.49	49.67
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*125.47*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0122	EA	30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	562.09	55.19
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*125.47*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0123	EA	33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	592.78	60.71
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*125.47*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0124	EA	36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	611.22	66.23
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*125.47*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0125	EA	48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	697.42	88.31
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*250.94*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0126	EA	30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	772.62	55.19
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*250.94*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0127	EA	36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	856.84	66.23
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*250.94*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0128	EA	30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	810.90	55.19
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*376.42*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0129	EA	36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	904.69	66.23
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*376.42*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0130	EA	12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	379.58	22.07
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*376.42*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0131	EA	15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	388.33	27.59
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*376.42*	
		For All Plywood Box Construction, Add	*130.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0132	EA	18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	423.51	33.11
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*376.42*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0133	EA	21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	451.03	38.63
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*376.42*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0134	EA	24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	470.50	44.15
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*376.42*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0135	EA	27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	493.91	49.67
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*376.42*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0136	EA	30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	808.78	55.19
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*376.42*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0137	EA	33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	852.23	60.71
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*376.42*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0138	EA	36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	896.19	66.23
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*376.42*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0139	EA	12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	464.65	22.07
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*501.89*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0140	EA	15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	475.53	27.59
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*501.89*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0141	EA	18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	516.01	33.11
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*501.89*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0142	EA	21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	548.85	38.63
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*501.89*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0143	EA	24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	576.83	44.15
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*501.89*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0144	EA	27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	606.62	49.67
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*501.89*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0145	EA	30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	848.12	55.19
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*501.89*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0146	EA	33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	896.89	60.71
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*501.89*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0147	EA	36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	947.23	66.23
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*501.89*	
		For All Plywood Box Construction, Add	*130.79*	

06 41 13 00-0148 Wall Cabinets, 12" High, 12" Deep *(06 41 13 00-0114)*

06 41 13 00-0149	EA	30" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet	334.92	55.19
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0150	EA	33" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet	357.06	60.71
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0151	EA	36" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet	393.61	66.23
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0152	EA	39" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet	420.19	71.75
		For All Plywood Box Construction, Add	*70.18*	

06 41 13 00-0153 Wall Cabinets, 14" High, 12" Deep *(06 41 13 00-0114)*

06 41 13 00-0154	EA	12" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	284.79	22.07
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0155	EA	15" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	291.25	27.59
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0156	EA	18" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	305.15	33.11
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0157	EA	21" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	313.73	38.63
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0158	EA	24" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	322.32	44.15
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0159	EA	30" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	337.29	55.19
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0160	EA	33" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	360.77	60.71
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0161	EA	36" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	393.61	66.23
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0162	EA	39" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	420.19	71.75
		For All Plywood Box Construction, Add	*70.18*	

06 41 13 00-0163 Wall Cabinets, 18" High, 12" Deep *(06 41 13 00-0114)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0164	EA	12" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	295.43	22.07
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0165	EA	15" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	310.39	27.59
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0166	EA	18" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	322.17	33.11
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0167	EA	21" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	335.00	38.63
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0168	EA	24" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	352.10	44.15
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0169	EA	27" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	372.34	49.70
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0170	EA	30" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	389.40	55.19
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0171	EA	33" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	404.37	60.71
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0172	EA	36" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	412.75	66.23
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0173		**Wall Cabinets, 30" High, 12" Deep** *(06 41 13 00-0114)*		
06 41 13 00-0174	EA	12" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	321.65	22.07
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0175	EA	15" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	350.49	27.59
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0176	EA	18" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	373.73	33.11
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0177	EA	21" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	401.54	38.63
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0178	EA	24" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	429.39	44.15
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0179	EA	27" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	470.89	49.70
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0180	EA	30" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	482.63	55.19
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0181	EA	33" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	525.40	60.71
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0182	EA	36" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	541.60	66.23
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0183		**Wall Cabinets, 36" High, 12" Deep** *(06 41 13 00-0114)*		
06 41 13 00-0184	EA	12" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	362.06	22.07
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0185	EA	15" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	391.96	27.59
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0186	EA	18" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	418.39	33.11
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0187	EA	21" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	448.32	38.63
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0188	EA	24" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	526.15	44.15
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0189	EA	27" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	528.30	49.70
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0190	EA	30" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	547.49	55.19
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0191	EA	33" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	598.77	60.71
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0192	EA	36" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	613.90	66.23
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0193		**Wall Cabinets, 42" High, 12" Deep** *(06 41 13 00-0114)*		
06 41 13 00-0194	EA	12" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	403.53	22.07
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0195	EA	15" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	440.87	27.59
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0196	EA	18" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	469.43	33.11
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0197	EA	21" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	498.30	38.63
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0198	EA	24" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	543.16	44.15
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0199	EA	27" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	579.34	49.70
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0200	EA	30" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	609.16	55.19
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0201	EA	33" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	666.83	60.71
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0202	EA	36" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	687.27	66.23
		For All Plywood Box Construction, Add	*70.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0203		**Wall Cabinets, 12" High, 23-3/4" Deep** *(06 41 13 00-0114)*		
06 41 13 00-0204	EA	30" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	383.45	55.19
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0205	EA	33" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	412.01	60.71
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0206	EA	36" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	442.15	66.23
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0207	EA	39" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	478.33	71.75
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0208	EA	48" Wide, 12" High x 23-3/4" Deep, Triple Door, Solid Oak Face Frame and Door, Wall Cabinet	564.57	88.31
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0209		**Utility Cabinets, 84" High** *(06 41 13 00-0114)*		
06 41 13 00-0210	EA	15" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet	733.79	49.06
		For All Plywood Box Construction, Add	*259.45*	
06 41 13 00-0211	EA	18" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet	830.38	58.87
		For All Plywood Box Construction, Add	*259.45*	
06 41 13 00-0212	EA	21" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet	933.35	461.14
		For All Plywood Box Construction, Add	*259.45*	
06 41 13 00-0213	EA	24" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet	981.03	78.50
		For All Plywood Box Construction, Add	*259.45*	
06 41 13 00-0214	EA	30" Wide, 84" High x 12" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet	1,186.08	98.11
		For All Plywood Box Construction, Add	*259.45*	
06 41 13 00-0215	EA	36" Wide, 84" High x 12" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet	1,367.73	117.74
		For All Plywood Box Construction, Add	*259.45*	
06 41 13 00-0216	EA	15" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet	829.49	49.06
		For All Plywood Box Construction, Add	*259.45*	
06 41 13 00-0217	EA	18" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet	917.57	58.87
		For All Plywood Box Construction, Add	*259.45*	
06 41 13 00-0218	EA	21" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet	1,047.13	68.68
		For All Plywood Box Construction, Add	*259.45*	
06 41 13 00-0219	EA	24" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet	1,112.89	78.50
		For All Plywood Box Construction, Add	*259.45*	
06 41 13 00-0220	EA	30" Wide, 84" High x 24" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet	1,379.60	98.11
		For All Plywood Box Construction, Add	*259.45*	
06 41 13 00-0221	EA	36" Wide, 84" High x 24" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet	1,577.20	117.74
		For All Plywood Box Construction, Add	*259.45*	
06 41 13 00-0222		**Solid Wood Face Frame And Thermofoil Door, Wall And Base Cabinets** *(06 41 13 00-0005)*		
06 41 13 00-0223		**Base Cabinets, 35" High, 23-3/4" Deep** *(06 41 13 00-0222)*		
06 41 13 00-0224	EA	12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	373.20	22.07
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*125.47*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0225	EA	15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	396.84	27.59
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*125.47*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0226	EA	18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	415.00	33.11
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*125.47*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0227	EA	21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	437.20	38.63
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*125.47*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0228	EA	24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	497.08	44.15
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*125.47*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0229	EA	27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	520.49	49.67
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*125.47*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0230	EA	30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	562.09	55.19
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*125.47*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0231	EA	33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	592.78	60.71
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*125.47*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0232	EA	36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	611.22	66.23
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*125.47*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0233	EA	48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	697.42	88.31
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*250.94*	
		For All Plywood Box Construction, Add	*130.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0234	EA	30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	772.62	55.19
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*250.94*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0235	EA	36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	856.84	66.23
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*250.94*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0236	EA	30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	810.90	55.19
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*376.42*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0237	EA	36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	904.69	66.23
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*376.42*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0238	EA	12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	379.58	22.07
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*376.42*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0239	EA	15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	388.33	27.59
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*376.42*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0240	EA	18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	423.51	33.11
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*376.42*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0241	EA	21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	451.03	38.63
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*376.42*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0242	EA	24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	470.50	44.15
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*376.42*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0243	EA	27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	493.91	49.67
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*376.42*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0244	EA	30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	808.78	55.19
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*376.42*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0245	EA	33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	852.23	60.71
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*376.42*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0246	EA	36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	896.19	66.23
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*376.42*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0247	EA	12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	464.65	22.07
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*501.89*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0248	EA	15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	475.53	27.59
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*501.89*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0249	EA	18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	516.01	33.11
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*501.89*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0250	EA	21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	548.85	38.63
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*501.89*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0251	EA	24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	576.83	44.15
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*501.89*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0252	EA	27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	606.62	49.67
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*501.89*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0253	EA	30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	848.12	55.19
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*501.89*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0254	EA	33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	896.89	60.71
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*501.89*	
		For All Plywood Box Construction, Add	*130.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0255	EA	36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	947.23	66.23
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*501.89*	
		For All Plywood Box Construction, Add	*130.79*	

06 41 13 00-0256 Wall Cabinets, 12" High, 12" Deep *(06 41 13 00-0222)*

06 41 13 00-0257	EA	30" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	334.92	55.19
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0258	EA	33" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	357.06	60.71
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0259	EA	36" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	393.61	66.23
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0260	EA	39" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	420.19	71.75
		For All Plywood Box Construction, Add	*70.18*	

06 41 13 00-0261 Wall Cabinets, 14" High, 12" Deep *(06 41 13 00-0222)*

06 41 13 00-0262	EA	12" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	284.79	22.07
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0263	EA	15" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	291.25	27.59
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0264	EA	18" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	305.15	33.11
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0265	EA	21" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	313.73	38.63
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0266	EA	24" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	322.32	44.15
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0267	EA	30" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	337.29	55.19
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0268	EA	33" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	360.77	60.71
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0269	EA	36" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	393.61	66.23
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0270	EA	39" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	420.19	71.75
		For All Plywood Box Construction, Add	*70.18*	

06 41 13 00-0271 Wall Cabinets, 18" High, 12" Deep *(06 41 13 00-0222)*

06 41 13 00-0272	EA	12" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	295.43	22.07
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0273	EA	15" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	310.39	27.59
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0274	EA	18" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	322.17	33.11
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0275	EA	21" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	335.00	38.63
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0276	EA	24" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	352.10	44.15
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0277	EA	27" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	372.34	49.70
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0278	EA	30" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	389.40	55.19
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0279	EA	33" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	404.37	60.71
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0280	EA	36" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	412.75	66.23
		For All Plywood Box Construction, Add	*70.18*	

06 41 13 00-0281 Wall Cabinets, 30" High, 12" Deep *(06 41 13 00-0222)*

06 41 13 00-0282	EA	12" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	321.65	22.07
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0283	EA	15" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	350.49	27.59
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0284	EA	18" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	373.73	33.11
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0285	EA	21" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	401.54	38.63
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0286	EA	24" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	429.39	44.15
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0287	EA	27" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	470.89	49.70
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0288	EA	30" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	482.63	55.19
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0289	EA	33" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	525.40	60.71
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0290	EA	36" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	541.60	66.23
		For All Plywood Box Construction, Add	*70.18*	

06 41 13 00-0291 Wall Cabinets, 36" High, 12" Deep *(06 41 13 00-0222)*

06 41 13 00-0292	EA	12" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	362.06	22.07
		For All Plywood Box Construction, Add	*70.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0293	EA	15" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	391.96	27.59
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0294	EA	18" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	418.39	33.11
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0295	EA	21" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	448.32	38.63
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0296	EA	24" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	526.15	44.15
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0297	EA	27" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	528.30	49.70
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0298	EA	30" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	547.49	55.19
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0299	EA	33" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	598.77	60.71
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0300	EA	36" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	613.90	66.23
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0301		Wall Cabinets, 42" High, 12" Deep *(06 41 13 00-0222)*		
06 41 13 00-0302	EA	12" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	403.53	22.07
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0303	EA	15" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	440.87	27.59
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0304	EA	18" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	469.43	33.11
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0305	EA	21" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	498.30	38.63
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0306	EA	24" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	543.16	44.15
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0307	EA	27" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	579.34	49.70
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0308	EA	30" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	609.16	55.19
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0309	EA	33" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	666.83	60.71
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0310	EA	36" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	687.27	66.23
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0311		Wall Cabinets, 12" High, 23-3/4" Deep *(06 41 13 00-0222)*		
06 41 13 00-0312	EA	30" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	383.45	55.19
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0313	EA	33" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	412.01	60.71
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0314	EA	36" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	442.15	66.23
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0315	EA	39" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	478.33	71.75
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0316	EA	48" Wide, 12" High x 23-3/4" Deep, Triple Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	564.57	88.31
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0317		Utility Cabinets, 84" High *(06 41 13 00-0222)*		
06 41 13 00-0318	EA	15" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	733.79	49.06
		For All Plywood Box Construction, Add	*259.45*	
06 41 13 00-0319	EA	18" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	830.38	58.87
		For All Plywood Box Construction, Add	*259.45*	
06 41 13 00-0320	EA	21" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	933.35	461.14
		For All Plywood Box Construction, Add	*259.45*	
06 41 13 00-0321	EA	24" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	981.03	78.50
		For All Plywood Box Construction, Add	*259.45*	
06 41 13 00-0322	EA	30" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	1,186.08	98.11
		For All Plywood Box Construction, Add	*259.45*	
06 41 13 00-0323	EA	36" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	1,367.73	117.74
		For All Plywood Box Construction, Add	*259.45*	
06 41 13 00-0324	EA	15" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	829.49	49.06
		For All Plywood Box Construction, Add	*259.45*	
06 41 13 00-0325	EA	18" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	917.57	58.87
		For All Plywood Box Construction, Add	*259.45*	
06 41 13 00-0326	EA	21" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	1,047.13	68.68
		For All Plywood Box Construction, Add	*259.45*	
06 41 13 00-0327	EA	24" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	1,112.89	78.50
		For All Plywood Box Construction, Add	*259.45*	
06 41 13 00-0328	EA	30" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	1,379.60	98.11
		For All Plywood Box Construction, Add	*259.45*	
06 41 13 00-0329	EA	36" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	1,577.20	117.74
		For All Plywood Box Construction, Add	*259.45*	
06 41 13 00-0330		Solid Wood Face Frame And Decorative Laminate Veneer Door, Wall And Base Cabinets *(06 41 13 00-0005)*		
06 41 13 00-0331		Base Cabinets, 35" High, 23-3/4" Deep *(06 41 13 00-0330)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0332	EA	12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	373.20	22.07
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*125.47*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0333	EA	15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	396.84	27.59
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*125.47*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0334	EA	18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	415.00	33.11
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*125.47*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0335	EA	21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	437.20	38.63
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*125.47*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0336	EA	24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	497.08	44.15
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*125.47*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0337	EA	27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	520.49	49.67
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*125.47*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0338	EA	30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	562.09	55.19
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*125.47*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0339	EA	33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	592.78	60.71
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*125.47*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0340	EA	36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	611.22	66.23
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*125.47*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0341	EA	48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	697.42	88.31
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*250.94*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0342	EA	30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	772.62	55.19
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*250.94*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0343	EA	36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	856.84	66.23
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*250.94*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0344	EA	30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	810.90	55.19
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*376.42*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0345	EA	36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	904.69	66.23
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*376.42*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0346	EA	12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	379.58	22.07
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*376.42*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0347	EA	15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	388.33	27.59
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*376.42*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0348	EA	18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	423.51	33.11
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*376.42*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0349	EA	21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	451.03	38.63
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*376.42*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0350	EA	24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	470.50	44.15
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*376.42*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0351	EA	27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	493.91	49.67
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*376.42*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0352	EA	30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	808.78	55.19
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*376.42*	
		For All Plywood Box Construction, Add	*130.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0353	EA	33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	852.23	60.71
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*376.42*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0354	EA	36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	896.19	66.23
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*376.42*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0355	EA	12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	464.65	22.07
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*501.89*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0356	EA	15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	475.53	27.59
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*501.89*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0357	EA	18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	516.01	33.11
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*501.89*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0358	EA	21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	548.85	38.63
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*501.89*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0359	EA	24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	576.83	44.15
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*501.89*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0360	EA	27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	606.62	49.67
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*501.89*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0361	EA	30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	848.12	55.19
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*501.89*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0362	EA	33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	896.89	60.71
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*501.89*	
		For All Plywood Box Construction, Add	*130.79*	
06 41 13 00-0363	EA	36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	947.23	66.23
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*501.89*	
		For All Plywood Box Construction, Add	*130.79*	

06 41 13 00-0364 Wall Cabinets, 12" High, 12" Deep *(06 41 13 00-0330)*

06 41 13 00-0365	EA	30" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	334.92	55.19
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0366	EA	33" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	357.06	60.71
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0367	EA	36" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	393.61	66.23
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0368	EA	39" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	420.19	71.75
		For All Plywood Box Construction, Add	*70.18*	

06 41 13 00-0369 Wall Cabinets, 14" High, 12" Deep *(06 41 13 00-0330)*

06 41 13 00-0370	EA	12" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	284.79	22.07
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0371	EA	15" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	291.25	27.59
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0372	EA	18" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	305.15	33.11
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0373	EA	21" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	313.73	38.63
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0374	EA	24" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	322.32	44.15
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0375	EA	30" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	337.29	55.19
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0376	EA	33" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	360.77	60.71
		For All Plywood Box Construction, Add	*70.18*	

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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0377	EA	36" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	393.61	66.23
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0378	EA	39" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	420.19	71.75
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0379		**Wall Cabinets, 18" High, 12" Deep** *(06 41 13 00-0330)*		
06 41 13 00-0380	EA	12" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	295.43	22.07
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0381	EA	15" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	310.39	27.59
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0382	EA	18" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	322.17	33.11
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0383	EA	21" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	335.00	38.63
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0384	EA	24" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	352.10	44.15
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0385	EA	27" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	372.34	49.70
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0386	EA	30" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	389.40	55.19
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0387	EA	33" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	404.37	60.71
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0388	EA	36" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	412.75	66.23
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0389		**Wall Cabinets, 30" High, 12" Deep** *(06 41 13 00-0330)*		
06 41 13 00-0390	EA	12" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	321.65	22.07
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0391	EA	15" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	350.49	27.59
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0392	EA	18" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	373.73	33.11
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0393	EA	21" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	401.54	38.63
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0394	EA	24" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	429.39	44.15
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0395	EA	27" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	470.89	49.70
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0396	EA	30" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	482.63	55.19
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0397	EA	33" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	525.40	60.71
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0398	EA	36" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	541.60	66.23
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0399		**Wall Cabinets, 36" High, 12" Deep** *(06 41 13 00-0330)*		
06 41 13 00-0400	EA	12" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	362.06	22.07
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0401	EA	15" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	391.96	27.59
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0402	EA	18" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	418.39	33.11
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0403	EA	21" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	448.32	38.63
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0404	EA	24" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	526.15	44.15
		For All Plywood Box Construction, Add	*70.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0405	EA	27" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	528.30	49.70
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0406	EA	30" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	547.49	55.19
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0407	EA	33" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	598.77	60.71
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0408	EA	36" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	613.90	66.23
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0409		**Wall Cabinets, 42" High, 12" Deep** *(06 41 13 00-0330)*		
06 41 13 00-0410	EA	12" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	403.53	22.07
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0411	EA	15" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	440.87	27.59
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0412	EA	18" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	469.43	33.11
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0413	EA	21" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	498.30	38.63
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0414	EA	24" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	543.16	44.15
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0415	EA	27" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	579.34	49.70
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0416	EA	30" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	609.16	55.19
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0417	EA	33" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	666.83	60.71
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0418	EA	36" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	687.27	66.23
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0419		**Wall Cabinets, 12" High, 23-3/4" Deep** *(06 41 13 00-0330)*		
06 41 13 00-0420	EA	30" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	383.45	55.19
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0421	EA	33" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	412.01	60.71
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0422	EA	36" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	442.15	66.23
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0423	EA	39" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	478.33	71.75
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0424	EA	48" Wide, 12" High x 23-3/4" Deep, Triple Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	564.57	88.31
		For All Plywood Box Construction, Add	*70.18*	
06 41 13 00-0425		**Utility Cabinets, 84" High** *(06 41 13 00-0330)*		
06 41 13 00-0426	EA	15" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	733.79	49.06
		For All Plywood Box Construction, Add	*259.45*	
06 41 13 00-0427	EA	18" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	830.38	58.87
		For All Plywood Box Construction, Add	*259.45*	
06 41 13 00-0428	EA	21" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	933.35	461.14
		For All Plywood Box Construction, Add	*259.45*	
06 41 13 00-0429	EA	24" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	981.03	78.50
		For All Plywood Box Construction, Add	*259.45*	
06 41 13 00-0430	EA	30" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	1,186.08	98.11
		For All Plywood Box Construction, Add	*259.45*	
06 41 13 00-0431	EA	36" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	1,367.73	117.74
		For All Plywood Box Construction, Add	*259.45*	
06 41 13 00-0432	EA	15" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	829.49	49.06
		For All Plywood Box Construction, Add	*259.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0433	EA	18" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	917.57	58.87
		For All Plywood Box Construction, Add	*259.45*	
06 41 13 00-0434	EA	21" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	1,047.13	68.68
		For All Plywood Box Construction, Add	*259.45*	
06 41 13 00-0435	EA	24" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	1,112.89	78.50
		For All Plywood Box Construction, Add	*259.45*	
06 41 13 00-0436	EA	30" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	1,379.60	98.11
		For All Plywood Box Construction, Add	*259.45*	
06 41 13 00-0437	EA	36" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	1,577.20	117.74
		For All Plywood Box Construction, Add	*259.45*	

06 41 93 Cabinet and Drawer Hardware *(06 41)*

06 41 93 00-0001 Cabinet Hardware *(06 41 93)*

Note: Includes all finishes, and mounting screws.

06 41 93 00-0002	EA	4" To 6" Long, 1/2" Diameter, Cabinet Bar Pull	27.02	9.39
06 41 93 00-0003	EA	7" To 9" Long, 1/2" Diameter, Cabinet Bar Pull	27.94	9.39
06 41 93 00-0004	EA	10" To 12" Long, 1/2" Diameter, Cabinet Bar Pull	29.55	9.39
06 41 93 00-0005	EA	3" To 4-1/2", Flat Cabinet Pull Handle	31.34	9.39
06 41 93 00-0006	EA	5" To 6-1/2", Flat Cabinet Pull Handle	32.26	9.39
06 41 93 00-0007	EA	7" To 8-1/2", Flat Cabinet Pull Handle	42.16	9.39
06 41 93 00-0008	EA	12" To 12-1/2", Flat Cabinet Pull Handle	83.14	9.39
06 41 93 00-0009	EA	1-7/16" Diameter, Mushroom Cabinet Pull Knobs	21.11	7.17
06 41 93 00-0010	EA	3-7/16" x 1-5/8" x 1" Projection, Cabinet Cup Pull	20.95	7.17
06 41 93 00-0011	EA	1-1/4" Long, Finger Cabinet Pull	28.58	8.28
06 41 93 00-0012	EA	3" Long, Finger Cabinet Pull	32.89	8.28
06 41 93 00-0013	EA	4" Long, Finger Cabinet Pull	35.83	8.28
06 41 93 00-0014	EA	6" Long, Finger Cabinet Pull	39.86	8.28
06 41 93 00-0015	EA	12" Long, Finger Cabinet Pull	58.56	8.28
06 41 93 00-0016	EA	Cabinet Spring Loaded Adjustable Barrel Ball Catch	41.79	11.04
06 41 93 00-0017	EA	Cabinet Surface Mounted Square or Matchbook Latch	61.56	11.04
06 41 93 00-0018	EA	Cabinet Door or Drawer Mortised Lock With 2 Keys	163.46	16.56
06 41 93 00-0019	EA	Cabinet Door or Drawer Bored Lock with 2 Keys	55.03	9.39
06 41 93 00-0020	EA	Cabinet Surface Mounted Slide or Barrel Bolt Latch	37.00	9.39

06 42 Wood Paneling *(06 40)*

Note: Includes glue for installation.

06 42 13 Wood Board Paneling *(06 42)*

06 42 13 00-0001 Solid Wood Paneling *(06 42 13)*

06 42 13 00-0002 7/16" Solid Wood Paneling, Tongue And Groove, 3" To 5" Wide *(06 42 13 00-0001)*

06 42 13 00-0003	SF	Homestead Cedar Paneling Tongue And Groove, 7/16"	10.77	2.32
06 42 13 00-0004	SF	Homestead Juniper Paneling Tongue And Groove, 7/16"	11.36	2.32

06 42 13 00-0005 7/16" Solid Wood Paneling, Tongue And Groove, 6" To 10" Wide *(06 42 13 00-0001)*

06 42 13 00-0006	SF	8" Random Plank Tongue And Groove, 7/16"	23.77	2.20
06 42 13 00-0007	SF	8" Solid Plank Tongue And Groove, 7/16"	21.62	2.20

06 42 13 00-0008 1/2" Solid Wood Paneling, Tongue And Groove, 4" To 6" Wide *(06 42 13 00-0001)*

06 42 13 00-0009	SF	Alder Wood Tongue And Groove Paneling, 1/2"	12.54	2.32

06 42 13 00-0010 1" Solid Wood Paneling, Shiplap, 6" To 8" Wide *(06 42 13 00-0001)*

06 42 13 00-0011	SF	1" Teredo (Driftwood) Wood Shiplap	7.97	1.98

06 42 16 Flush Wood Paneling *(06 42)*

06 42 16 00-0001 Veneer Hardboard Panels *(06 42 16)*

06 42 16 00-0002	SF	1/4" Maple Or Birch Veneer Paneling	8.64	2.00
		For Waterproof Glue, Add	*0.29*	
		For Ceiling Installation, Add	*1.37*	

06 42 16 00-0003 Plywood Unfinished With Trim 1/4" Thick *(06 42 16)*

06 42 16 00-0004 Birch *(06 42 16 00-0003)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 42 16 00-0005	SF	1/4" Unfinished Birch Plywood, Natural Faced With Trim	5.28	1.78
		For Waterproof Glue, Add	*0.09*	
		For Ceiling Installation, Add	*1.20*	
		For Installation On Metal Studs Or Furring, Add	*0.44*	
		For Glue Laminated Installation, Add	*0.26*	
		For Lumber Core, Add	*0.14*	
		For 1/8" Thick Paneling, Deduct	*-0.49*	
		For 1/2" Thick Paneling, Add	*1.17*	
		For 5/8" Thick Paneling, Add	*1.43*	
		For 3/4" Thick Paneling, Add	*1.78*	
		For Fire Retardant Treatment (Class I), Add	*1.00*	
06 42 16 00-0006	SF	1/4" Unfinished Birch Plywood, Select With Trim	5.37	1.78
		For Waterproof Glue, Add	*0.10*	
		For Ceiling Installation, Add	*1.20*	
		For Installation On Metal Studs Or Furring, Add	*0.44*	
		For Glue Laminated Installation, Add	*0.27*	
		For Lumber Core, Add	*0.15*	
		For 1/8" Thick Paneling, Deduct	*-0.51*	
		For 1/2" Thick Paneling, Add	*1.22*	
		For 5/8" Thick Paneling, Add	*1.50*	
		For 3/4" Thick Paneling, Add	*1.87*	
		For Fire Retardant Treatment (Class I), Add	*1.07*	

06 42 16 00-0007 Knotty Pine *(06 42 16 00-0003)*

06 42 16 00-0008	SF	1/4" Knotty Pine Plywood, Grade AA Unfinished With Trim	6.12	2.00
		For Waterproof Glue, Add	*0.12*	
		For Ceiling Installation, Add	*1.34*	
		For Installation On Metal Studs Or Furring, Add	*0.49*	
		For Glue Laminated Installation, Add	*0.31*	
		For Lumber Core, Add	*0.18*	
		For 1/8" Thick Paneling, Deduct	*-0.59*	
		For 1/2" Thick Paneling, Add	*1.44*	
		For 5/8" Thick Paneling, Add	*1.79*	
		For 3/4" Thick Paneling, Add	*2.24*	
		For Fire Retardant Treatment (Class I), Add	*1.32*	
06 42 16 00-0009	SF	1/4" Knotty Pine Plywood, Grade AD Unfinished With Trim	6.05	2.00
		For Waterproof Glue, Add	*0.11*	
		For Ceiling Installation, Add	*1.34*	
		For Installation On Metal Studs Or Furring, Add	*0.49*	
		For Glue Laminated Installation, Add	*0.30*	
		For Lumber Core, Add	*0.18*	
		For 1/8" Thick Paneling, Deduct	*-0.58*	
		For 1/2" Thick Paneling, Add	*1.40*	
		For 5/8" Thick Paneling, Add	*1.73*	
		For 3/4" Thick Paneling, Add	*2.17*	
		For Fire Retardant Treatment (Class I), Add	*1.26*	

06 42 16 00-0010 Cedar (Aromatic - Closet Lining) *(06 42 16 00-0003)*

06 42 16 00-0011	SF	1/4" Cedar Plywood, Standard Grade Unfinished With Trim, Closet Lining	6.07	2.23
		For Waterproof Glue, Add	*0.07*	
		For Ceiling Installation, Add	*1.50*	
		For Installation On Metal Studs Or Furring, Add	*0.55*	
		For Glue Laminated Installation, Add	*0.30*	
		For Lumber Core, Add	*0.12*	
		For 1/8" Thick Paneling, Deduct	*-0.53*	
		For 1/2" Thick Paneling, Add	*1.18*	
		For 5/8" Thick Paneling, Add	*1.40*	
		For 3/4" Thick Paneling, Add	*1.69*	
		For Fire Retardant Treatment (Class I), Add	*0.85*	
06 42 16 00-0012	SF	1/4" Cedar Plywood, Particle Board Unfinished With Trim, Closet Lining	6.14	2.23
		For Waterproof Glue, Add	*0.08*	
		For Ceiling Installation, Add	*1.50*	
		For Installation On Metal Studs Or Furring, Add	*0.55*	
		For Glue Laminated Installation, Add	*0.31*	
		For Lumber Core, Add	*0.13*	
		For 1/8" Thick Paneling, Deduct	*-0.54*	
		For 1/2" Thick Paneling, Add	*1.22*	
		For 5/8" Thick Paneling, Add	*1.46*	
		For 3/4" Thick Paneling, Add	*1.76*	
		For Fire Retardant Treatment (Class I), Add	*0.90*	

06 42 16 00-0013 Top Grade Plywood Prefinished With Trim 1/4" Thick *(06 42 16)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 42 16 00-0014	SF	1/4" Top Grade Plywood, Birch Veneer Prefinished With Trim	5.86	2.00
		For Flitch Matched Veneer, Add	*0.71*	
		For Second Grade Veneer, Deduct	*-0.14*	
		For Third Grade Veneer, Deduct	*-0.21*	
		For Waterproof Glue, Add	*0.10*	
		For Ceiling Installation, Add	*1.34*	
		For Installation On Metal Studs Or Furring, Add	*0.49*	
		For Glue Laminated Installation, Add	*0.29*	
		For Lumber Core, Add	*0.16*	
		For 1/8" Thick Paneling, Deduct	*-0.55*	
		For 1/2" Thick Paneling, Add	*1.30*	
		For 5/8" Thick Paneling, Add	*1.59*	
		For 3/4" Thick Paneling, Add	*1.97*	
		For Fire Retardant Treatment (Class I), Add	*1.11*	
06 42 16 00-0015	SF	1/4" Top Grade Plywood, Cherry Veneer Prefinished With Trim	6.49	2.00
		For Flitch Matched Veneer, Add	*1.02*	
		For Second Grade Veneer, Deduct	*-0.20*	
		For Third Grade Veneer, Deduct	*-0.31*	
		For Waterproof Glue, Add	*0.14*	
		For Ceiling Installation, Add	*1.34*	
		For Installation On Metal Studs Or Furring, Add	*0.49*	
		For Glue Laminated Installation, Add	*0.32*	
		For Lumber Core, Add	*0.22*	
		For 1/8" Thick Paneling, Deduct	*-0.65*	
		For 1/2" Thick Paneling, Add	*1.64*	
		For 5/8" Thick Paneling, Add	*2.06*	
		For 3/4" Thick Paneling, Add	*2.61*	
		For Fire Retardant Treatment (Class I), Add	*1.61*	
06 42 16 00-0016	SF	1/4" Top Grade Plywood, Chestnut Veneer Prefinished With Trim	9.72	2.00
		For Flitch Matched Veneer, Add	*2.20*	
		For Second Grade Veneer, Deduct	*-0.44*	
		For Third Grade Veneer, Deduct	*-0.66*	
		For Waterproof Glue, Add	*0.31*	
		For Ceiling Installation, Add	*1.60*	
		For Installation On Metal Studs Or Furring, Add	*0.59*	
		For Glue Laminated Installation, Add	*0.49*	
		For Lumber Core, Add	*0.48*	
		For 1/8" Thick Paneling, Deduct	*-1.11*	
		For 1/2" Thick Paneling, Add	*3.01*	
		For 5/8" Thick Paneling, Add	*3.93*	
		For 3/4" Thick Paneling, Add	*5.12*	
		For Fire Retardant Treatment (Class I), Add	*3.47*	
06 42 16 00-0017	SF	1/4" Top Grade Plywood, Lauan Veneer Prefinished With Trim	4.93	2.00
		For Flitch Matched Veneer, Add	*0.47*	
		For Second Grade Veneer, Deduct	*-0.09*	
		For Third Grade Veneer, Deduct	*-0.14*	
		For Waterproof Glue, Add	*0.07*	
		For Ceiling Installation, Add	*1.20*	
		For Installation On Metal Studs Or Furring, Add	*0.44*	
		For Glue Laminated Installation, Add	*0.25*	
		For Lumber Core, Add	*0.10*	
		For 1/8" Thick Paneling, Deduct	*-0.44*	
		For 1/2" Thick Paneling, Add	*0.98*	
		For 5/8" Thick Paneling, Add	*1.18*	
		For 3/4" Thick Paneling, Add	*1.43*	
		For Fire Retardant Treatment (Class I), Add	*0.73*	
06 42 16 00-0018	SF	1/4" Top Grade Plywood, Mahogany Veneer Prefinished With Trim	8.53	2.00
		For Flitch Matched Veneer, Add	*1.77*	
		For Second Grade Veneer, Deduct	*-0.35*	
		For Third Grade Veneer, Deduct	*-0.53*	
		For Waterproof Glue, Add	*0.25*	
		For Ceiling Installation, Add	*1.50*	
		For Installation On Metal Studs Or Furring, Add	*0.55*	
		For Glue Laminated Installation, Add	*0.43*	
		For Lumber Core, Add	*0.39*	
		For 1/8" Thick Paneling, Deduct	*-0.94*	
		For 1/2" Thick Paneling, Add	*2.51*	
		For 5/8" Thick Paneling, Add	*3.25*	
		For 3/4" Thick Paneling, Add	*4.20*	
		For Fire Retardant Treatment (Class I), Add	*2.79*	
06 42 16 00-0019	SF	1/4" Top Grade Plywood, Red Oak Veneer Prefinished With Trim	6.01	2.00
		For Flitch Matched Veneer, Add	*0.78*	
		For Second Grade Veneer, Deduct	*-0.16*	
		For Third Grade Veneer, Deduct	*-0.23*	
		For Waterproof Glue, Add	*0.11*	
		For Ceiling Installation, Add	*1.34*	
		For Installation On Metal Studs Or Furring, Add	*0.49*	
		For Glue Laminated Installation, Add	*0.30*	
		For Lumber Core, Add	*0.17*	
		For 1/8" Thick Paneling, Deduct	*-0.57*	
		For 1/2" Thick Paneling, Add	*1.38*	
		For 5/8" Thick Paneling, Add	*1.70*	
		For 3/4" Thick Paneling, Add	*2.13*	
		For Fire Retardant Treatment (Class I), Add	*1.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 42 16 00-0020	SF	1/4" Top Grade Plywood, Pecan Veneer Prefinished With Trim	7.07	2.00
		For Flitch Matched Veneer, Add	*1.04*	
		For Second Grade Veneer, Deduct	*-0.21*	
		For Third Grade Veneer, Deduct	*-0.31*	
		For Waterproof Glue, Add	*0.14*	
		For Ceiling Installation, Add	*1.50*	
		For Installation On Metal Studs Or Furring, Add	*0.55*	
		For Glue Laminated Installation, Add	*0.35*	
		For Lumber Core, Add	*0.23*	
		For 1/8" Thick Paneling, Deduct	*-0.70*	
		For 1/2" Thick Paneling, Add	*1.72*	
		For 5/8" Thick Paneling, Add	*2.15*	
		For 3/4" Thick Paneling, Add	*2.71*	
		For Fire Retardant Treatment (Class I), Add	*1.64*	
06 42 16 00-0021	SF	1/4" Top Grade Plywood, Rosewood Veneer Prefinished With Trim	11.25	2.00
		For Flitch Matched Veneer, Add	*2.50*	
		For Second Grade Veneer, Deduct	*-0.50*	
		For Third Grade Veneer, Deduct	*-0.75*	
		For Waterproof Glue, Add	*0.35*	
		For Ceiling Installation, Add	*1.88*	
		For Installation On Metal Studs Or Furring, Add	*0.69*	
		For Glue Laminated Installation, Add	*0.56*	
		For Lumber Core, Add	*0.55*	
		For 1/8" Thick Paneling, Deduct	*-1.27*	
		For 1/2" Thick Paneling, Add	*3.45*	
		For 5/8" Thick Paneling, Add	*4.50*	
		For 3/4" Thick Paneling, Add	*5.85*	
		For Fire Retardant Treatment (Class I), Add	*3.95*	
06 42 16 00-0022	SF	1/4" Top Grade Plywood, Teak Veneer Prefinished With Trim	8.52	2.00
		For Flitch Matched Veneer, Add	*1.76*	
		For Second Grade Veneer, Deduct	*-0.35*	
		For Third Grade Veneer, Deduct	*-0.53*	
		For Waterproof Glue, Add	*0.25*	
		For Ceiling Installation, Add	*1.50*	
		For Installation On Metal Studs Or Furring, Add	*0.55*	
		For Glue Laminated Installation, Add	*0.43*	
		For Lumber Core, Add	*0.39*	
		For 1/8" Thick Paneling, Deduct	*-0.94*	
		For 1/2" Thick Paneling, Add	*2.50*	
		For 5/8" Thick Paneling, Add	*3.24*	
		For 3/4" Thick Paneling, Add	*4.19*	
		For Fire Retardant Treatment (Class I), Add	*2.78*	
06 42 16 00-0023	SF	1/4" Top Grade Plywood, Walnut Veneer Prefinished With Trim	7.45	2.00
		For Flitch Matched Veneer, Add	*1.50*	
		For Second Grade Veneer, Deduct	*-0.30*	
		For Third Grade Veneer, Deduct	*-0.45*	
		For Waterproof Glue, Add	*0.21*	
		For Ceiling Installation, Add	*1.34*	
		For Installation On Metal Studs Or Furring, Add	*0.49*	
		For Glue Laminated Installation, Add	*0.37*	
		For Lumber Core, Add	*0.33*	
		For 1/8" Thick Paneling, Deduct	*-0.81*	
		For 1/2" Thick Paneling, Add	*2.15*	
		For 5/8" Thick Paneling, Add	*2.78*	
		For 3/4" Thick Paneling, Add	*3.59*	
		For Fire Retardant Treatment (Class I), Add	*2.37*	
06 42 16 00-0024	SF	1/4" Top Grade Plywood, Maple Veneer Prefinished With Trim	6.05	2.00
		For Flitch Matched Veneer, Add	*0.80*	
		For Second Grade Veneer, Deduct	*-0.16*	
		For Third Grade Veneer, Deduct	*-0.24*	
		For Waterproof Glue, Add	*0.11*	
		For Ceiling Installation, Add	*1.34*	
		For Installation On Metal Studs Or Furring, Add	*0.49*	
		For Glue Laminated Installation, Add	*0.30*	
		For Lumber Core, Add	*0.18*	
		For 1/8" Thick Paneling, Deduct	*-0.58*	
		For 1/2" Thick Paneling, Add	*1.40*	
		For 5/8" Thick Paneling, Add	*1.73*	
		For 3/4" Thick Paneling, Add	*2.17*	
		For Fire Retardant Treatment (Class I), Add	*1.26*	
06 42 16 00-0025		Accessories *(06 42 16)*		
06 42 16 00-0026	EA	Aluminum Panel Retainer "J" With Bolt	41.24	

06 42 19 Plastic-Laminate-Faced Wood Paneling *(06 42)*

06 42 19 00-0001		Plastic Laminate *(06 42 19)* Note: Standard colors and patterns.		
06 42 19 00-0002	SF	1/16" Plastic Laminate Faced Panel Note: Includes cutting to fit.	11.12	3.87

06 43 Wood Stairs and Railings *(06 40)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 43 13		**Wood Stairs** *(06 43)*		
06 43 13 00-0001		Stair Parts *(06 43 13)*		
06 43 13 00-0002	EA	30" Baluster, Pine	57.41	22.40
06 43 13 00-0003	EA	30" Baluster, Birch	68.29	22.40
06 43 13 00-0004	EA	42" Baluster, Pine	65.04	23.17
06 43 13 00-0005	EA	42" Baluster, Birch	76.65	23.17
06 43 13 00-0006	EA	3-1/4" Wide Newels, Starting	343.54	88.05
06 43 13 00-0007	EA	3-1/4" Wide Newels, Landing	503.18	123.57
06 43 13 00-0008	LF	Oak Gooseneck, 1 Riser	204.26	77.24
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*25.36*	
06 43 13 00-0009	LF	Oak Gooseneck, 2 Riser	239.72	84.85
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*27.87*	
06 43 13 00-0010	LF	Oak Handrail, 2-1/2" x 3" With Quarter Turn	41.85	11.59
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*3.80*	
06 43 13 00-0011	LF	1-1/16" x 9-1/2" Oak Stair Tread	55.05	6.51
		For Beech, Add	*12.63*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*2.98*	
06 43 13 00-0012	LF	1-1/16" x 11-1/2" Oak Stair Tread	67.03	6.51
		For Beech, Add	*16.22*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*2.98*	
06 43 13 00-0013	LF	1-1/16" x 11-1/2" Pine Stair Tread	29.93	6.51
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*2.98*	
06 43 13 00-0014	LF	3/4" x 7-1/2" High Beech Riser	41.10	6.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*3.11*	
06 43 13 00-0015	LF	3/4" x 7-1/2" High Oak Riser	38.56	6.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*3.11*	
06 43 13 00-0016	LF	3/4" x 7-1/2" High Fir Riser	22.22	6.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*3.11*	
06 43 13 00-0017	LF	3/4" x 7-1/2" High Pine Riser	21.42	6.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*3.11*	
06 43 13 00-0018	SF	Framed Stair Landings, 3/4" Plywood Surface, Per SF Of Landing	45.81	
06 43 13 00-0019		Interior Box Stairs *(06 43 13)*		
		Note: Factory cut and assembled straight closed box stairs, unfinished.		
06 43 13 00-0020	EA	30" Wide Pine Box Stair, Per Riser	302.19	67.19
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*22.08*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*72.79*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*24.00*	
		For Oak Or Maple Treads, Add	*92.79*	
06 43 13 00-0021	EA	32" Wide Pine Box Stair, Per Riser	320.61	68.74
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*22.58*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*73.45*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*24.27*	
		For Oak Or Maple Treads, Add	*100.10*	
06 43 13 00-0022	EA	34" Wide Pine Box Stair, Per Riser	337.98	69.51
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*22.84*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*73.79*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*24.41*	
		For Oak Or Maple Treads, Add	*107.41*	
06 43 13 00-0023	EA	36" Wide Pine Box Stair, Per Riser	358.11	70.28
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*23.09*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*74.11*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*24.55*	
		For Oak Or Maple Treads, Add	*115.98*	
06 43 13 00-0024	EA	38" Wide Pine Box Stair, Per Riser	369.98	71.06
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*23.34*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*74.44*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*24.69*	
		For Oak Or Maple Treads, Add	*120.83*	
06 43 13 00-0025	EA	40" Wide Pine Box Stair, Per Riser	382.96	72.60
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*23.85*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*75.11*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*24.96*	
		For Oak Or Maple Treads, Add	*125.67*	
06 43 13 00-0026	EA	42" Wide Pine Box Stair, Per Riser	394.83	73.37
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*24.10*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*75.44*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*25.10*	
		For Oak Or Maple Treads, Add	*130.51*	
06 43 13 00-0027	EA	44" Wide Pine Box Stair, Per Riser	406.71	74.15
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*24.36*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*75.78*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*25.24*	
		For Oak Or Maple Treads, Add	*135.36*	
06 43 13 00-0028	EA	46" Wide Pine Box Stair, Per Riser	418.55	74.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*24.61*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*76.10*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*25.37*	
		For Oak Or Maple Treads, Add	*140.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 43 13 00-0029	EA	48" Wide Pine Box Stair, Per Riser	432.53	77.24
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*25.38*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*77.10*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*25.79*	
		For Oak Or Maple Treads, Add	*144.99*	

06 43 16 Wood Railings *(06 43)*

06 43 16 00-0001 Handrails *(06 43 16)*

06 43 16 00-0002 Wood Handrail With Brackets *(06 43 16 00-0001)*

Note: Includes pine, fir or red oak interior grade or pressure treated exterior grade handrail with brackets.

06 43 16 00-0003	LF	1-1/2" x 1-11/16", Wood Handrail With Brackets	18.85	5.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*2.54*	
06 43 16 00-0004	LF	1-7/8" x 2-5/8", Wood Handrail With Brackets	20.43	5.52
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*2.54*	
06 43 16 00-0005	LF	1-1/2" Diameter, Wood Handrail With Brackets	25.69	5.52
06 43 16 00-0006	LF	1-3/4" Diameter, Wood Handrail With Brackets	27.00	5.52
06 43 16 00-0007	LF	2" Diameter, Wood Handrail With Brackets	31.73	5.52
06 43 16 00-0008	LF	2-1/2" Diameter, Wood Handrail With Brackets	46.34	5.52

06 44 Ornamental Woodwork *(06 40)*

06 44 39 Wood Posts and Columns *(06 44)*

06 44 39 00-0001 Columns *(06 44 39)*

06 44 39 00-0002 Pine Colonial Columns, Round Tapered With Cap And Base *(06 44 39 00-0001)*

Note: Paint grade/finger jointed pine.

06 44 39 00-0003	LF	6" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	76.73	7.10
06 44 39 00-0004	LF	8" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	95.87	10.37
06 44 39 00-0005	LF	10" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	117.72	12.00
06 44 39 00-0006	LF	12" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	141.13	12.55
06 44 39 00-0007	LF	14" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	316.76	14.19
06 44 39 00-0008	LF	16" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	368.14	15.28
06 44 39 00-0009	LF	18" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	443.41	16.37
06 44 39 00-0010	LF	20" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	529.65	17.47
06 44 39 00-0011	LF	6" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	88.47	7.10
06 44 39 00-0012	LF	8" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	105.28	10.37
06 44 39 00-0013	LF	10" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	130.72	12.00
06 44 39 00-0014	LF	12" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	155.03	12.55
06 44 39 00-0015	LF	14" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	345.00	14.19
06 44 39 00-0016	LF	16" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	469.46	15.28
06 44 39 00-0017	LF	18" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	506.17	16.37
06 44 39 00-0018	LF	20" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	569.99	17.47

06 44 39 00-0019 Pine Colonial Columns, Round Non-Tapered With Cap And Base *(06 44 39 00-0001)*

Note: Paint grade/finger jointed pine.

06 44 39 00-0020	LF	6" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	92.51	7.10
06 44 39 00-0021	LF	8" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	113.80	10.37
06 44 39 00-0022	LF	10" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	141.03	12.00
06 44 39 00-0023	LF	12" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	170.27	12.55
06 44 39 00-0024	LF	14" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	389.88	14.19
06 44 39 00-0025	LF	16" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	453.77	15.28
06 44 39 00-0026	LF	18" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	547.55	16.37
06 44 39 00-0027	LF	20" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	655.08	17.47
06 44 39 00-0028	LF	6" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	107.21	7.10
06 44 39 00-0029	LF	8" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	126.67	10.37
06 44 39 00-0030	LF	10" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	157.89	12.00
06 44 39 00-0031	LF	12" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	188.12	12.55
06 44 39 00-0032	LF	14" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	425.25	14.19
06 44 39 00-0033	LF	16" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	580.78	15.28
06 44 39 00-0034	LF	18" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	626.23	16.37
06 44 39 00-0035	LF	20" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	705.70	17.47

06 44 39 00-0036 Pine Classical Columns, Round Tapered With Cap And Base *(06 44 39 00-0001)*

Note: Paint grade/finger jointed pine.

06 44 39 00-0037	LF	6" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base	82.31	7.10
06 44 39 00-0038	LF	8" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base	102.58	10.37
06 44 39 00-0039	LF	10" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base	126.16	12.00
06 44 39 00-0040	LF	12" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base	151.59	12.55
06 44 39 00-0041	LF	6" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base	95.11	7.10
06 44 39 00-0042	LF	8" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base	112.84	10.37
06 44 39 00-0043	LF	10" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base	140.33	12.00
06 44 39 00-0044	LF	12" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base	166.73	12.55

06 44 39 00-0045 Redwood Colonial Columns, Round Tapered With Cap And Base *(06 44 39 00-0001)*

Note: Paint grade/finger jointed redwood.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 44 39 00-0046	LF	6" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base	129.27	7.10
06 44 39 00-0047	LF	8" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base	155.05	10.37
06 44 39 00-0048	LF	10" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base	193.48	12.00
06 44 39 00-0049	LF	12" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base	237.07	12.55
06 44 39 00-0050	LF	6" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base	148.99	7.10
06 44 39 00-0051	LF	8" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base	176.12	10.37
06 44 39 00-0052	LF	10" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base	218.14	12.00
06 44 39 00-0053	LF	12" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base	269.35	12.55

06 44 39 00-0054 Ornamental Or Decorative Cap And Bases, Resin *(06 44 39 00-0001)*

Note: For tapered wood columns.

06 44 39 00-0055	EA	6" Resin Corinthian Capital And Base	406.06	14.74
06 44 39 00-0056	EA	8" Resin Corinthian Capital And Base	615.56	16.37
06 44 39 00-0057	EA	10" Resin Corinthian Capital And Base	858.62	19.10
06 44 39 00-0058	EA	12" Resin Corinthian Capital And Base	1,097.20	21.83
06 44 39 00-0059	EA	6" Resin Greek Erectheum Cap And Base	361.22	14.74
06 44 39 00-0060	EA	8" Resin Greek Erectheum Cap And Base	503.48	16.37
06 44 39 00-0061	EA	10" Resin Greek Erectheum Cap And Base	625.50	19.10
06 44 39 00-0062	EA	12" Resin Greek Erectheum Cap And Base	819.25	21.83
06 44 39 00-0063	EA	6" Resin Roman Ionic Capital And Base	380.25	15.28
06 44 39 00-0064	EA	8" Resin Roman Ionic Capital And Base	503.48	16.37
06 44 39 00-0065	EA	10" Resin Roman Ionic Capital And Base	625.50	19.10
06 44 39 00-0066	EA	12" Resin Roman Ionic Capital And Base	796.83	21.83
06 44 39 00-0067	EA	6" Resin Scamozzi Capital And Base	384.73	15.28
06 44 39 00-0068	EA	8" Resin Scamozzi Capital And Base	548.31	16.37
06 44 39 00-0069	EA	10" Resin Scamozzi Capital And Base	647.91	19.10
06 44 39 00-0070	EA	12" Resin Scamozzi Capital And Base	890.98	21.83
06 44 39 00-0071	EA	6" Resin Temple Of Winds Cap And Base	384.73	15.28
06 44 39 00-0072	EA	8" Resin Temple Of Winds Cap And Base	597.63	16.37
06 44 39 00-0073	EA	10" Resin Temple Of Winds Cap And Base	791.38	19.10
06 44 39 00-0074	EA	12" Resin Temple Of Winds Cap And Base	980.64	21.83

06 44 39 00-0075 Ornamental Or Decorative Cap And Bases, Plaster *(06 44 39 00-0001)*

Note: For tapered wood columns.

06 44 39 00-0076	EA	6" Plaster Corinthian Capital And Base	822.99	14.74
06 44 39 00-0077	EA	8" Plaster Corinthian Capital And Base	924.90	16.37
06 44 39 00-0078	EA	10" Plaster Corinthian Capital And Base	1,176.92	19.10
06 44 39 00-0079	EA	12" Plaster Corinthian Capital And Base	1,294.46	21.83
06 44 39 00-0080	EA	6" Plaster Greek Erectheum Cap And Base	545.03	14.74
06 44 39 00-0081	EA	8" Plaster Greek Erectheum Cap And Base	633.49	16.37
06 44 39 00-0082	EA	10" Plaster Greek Erectheum Cap And Base	782.41	19.10
06 44 39 00-0083	EA	12" Plaster Greek Erectheum Cap And Base	985.12	21.83
06 44 39 00-0084	EA	6" Plaster Roman Ionic Capital And Base	523.71	15.28
06 44 39 00-0085	EA	8" Plaster Roman Ionic Capital And Base	687.29	16.37
06 44 39 00-0086	EA	10" Plaster Roman Ionic Capital And Base	831.73	19.10
06 44 39 00-0087	EA	12" Plaster Roman Ionic Capital And Base	985.12	21.83
06 44 39 00-0088	EA	6" Plaster Scamozzi Capital And Base	622.34	15.28
06 44 39 00-0089	EA	8" Plaster Scamozzi Capital And Base	826.27	16.37
06 44 39 00-0090	EA	10" Plaster Scamozzi Capital And Base	930.35	19.10
06 44 39 00-0091	EA	12" Plaster Scamozzi Capital And Base	1,182.38	21.83
06 44 39 00-0092	EA	6" Plaster Temple Of Winds Cap And Base	523.71	15.28
06 44 39 00-0093	EA	8" Plaster Temple Of Winds Cap And Base	678.32	16.37
06 44 39 00-0094	EA	10" Plaster Temple Of Winds Cap And Base	885.53	19.10
06 44 39 00-0095	EA	12" Plaster Temple Of Winds Cap And Base	1,133.07	21.83
06 44 39 00-0096	EA	6" Plaster Empire Capital And Base	590.95	15.28
06 44 39 00-0097	EA	8" Plaster Empire Capital And Base	723.16	16.37
06 44 39 00-0098	EA	10" Plaster Empire Capital And Base	881.04	19.10
06 44 39 00-0099	EA	12" Plaster Empire Capital And Base	985.12	21.83

06 46 Wood Trim *(06 40)*

06 46 13 Wood Door and Window Casings *(06 46)*

06 46 13 00-0001 Door and Window Casings *(06 46 13)*

06 46 13 00-0002	LF	1-1/8" Wide Plain Pine Door And Window Molding	5.30	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.91*	
06 46 13 00-0003	LF	1-1/8" Wide Detailed Pine Door And Window Molding	5.35	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.91*	
06 46 13 00-0004	LF	2-1/2" Wide Pine Complete Door And Window Trim	6.81	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.91*	

06 46 19 Wood Base and Shoe Moldings *(06 46)*

06 46 19 00-0001 Base And Shoe Molding *(06 46 19)*

06 46 19 00-0002	LF	1/2" x 1/2" Pine Quarter Round Trim	5.43	2.09
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.06*	
06 46 19 00-0003	LF	3/4" x 3/4" Pine Quarter Round Trim	5.85	2.09
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 19 00-0004	LF	3-1/2" High White Pine Base Molding, All Dimensions Are Nominal	7.08	1.33
		For Clear Birch, Add	*0.85*	
		For Clear Mahogany, Oak, Maple Or Walnut, Add	*1.64*	
		For Stain Grade Material (No Finger Joints), Add	*0.48*	
		For Clear Poplar, Add	*0.53*	
06 46 19 00-0005	LF	4-1/2" High White Pine Base Molding, All Dimensions Are Nominal	8.59	1.65
		For Clear Birch, Add	*0.98*	
		For Clear Mahogany, Oak, Maple Or Walnut, Add	*1.93*	
		For Stain Grade Material (No Finger Joints), Add	*0.55*	
		For Clear Poplar, Add	*0.61*	
06 46 19 00-0006	LF	5-1/2" High White Pine Base Molding, All Dimensions Are Nominal	10.82	1.87
		For Clear Birch, Add	*1.52*	
		For Clear Mahogany, Oak, Maple Or Walnut, Add	*2.74*	
		For Stain Grade Material (No Finger Joints), Add	*0.86*	
		For Clear Poplar, Add	*0.95*	
06 46 19 00-0007	LF	3/4" x 1" Oak Base Shoe	6.93	2.09
06 46 19 00-0008	LF	3/4" x 1" White Pine Base Shoe, Stain Grade	6.69	2.09
06 46 19 00-0009	LF	3/4" x 1" White Pine Base Shoe, Paint Grade	6.15	2.09

06 46 23 Wood Chair Rails *(06 46)*

06 46 23 00-0001 Chair Rails *(06 46 23)*

06 46 23 00-0002	LF	5/8" x 2-1/2" White Pine Shaped Chair Rail	8.79	1.98
		For Birch, Add	*1.40*	
		For Mahogany, Oak, Maple Or Walnut, Add	*2.41*	
		For Poplar, Add	*0.88*	
06 46 23 00-0003	LF	5/8" x 3-1/2" White Pine Shaped Chair Rail	11.00	1.98
		For Birch, Add	*2.11*	
		For Mahogany, Oak, Maple Or Walnut, Add	*3.41*	
		For Poplar, Add	*1.32*	
06 46 23 00-0004	LF	1/2" x 1-5/8" White Pine Shaped Chair Rail	6.51	1.98
		For Birch, Add	*1.02*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.77*	
		For Poplar, Add	*0.64*	

06 46 26 Wood Cornices *(06 46)*

06 46 26 00-0001 Wood Cornices *(06 46 26)*

06 46 26 00-0002	LF	1" x 2" White Pine Cornices, All Dimensions Are Nominal	6.40	1.98
		For Birch, Add	*0.72*	
		For Mahogany, Oak, Maple, Or Walnut, Add	*1.34*	
		For Poplar, Add	*0.90*	
06 46 26 00-0003	LF	1" x 4" White Pine Cornices, All Dimensions Are Nominal	8.20	2.09
		For Birch, Add	*1.30*	
		For Mahogany, Oak, Maple, Or Walnut, Add	*2.08*	
		For Poplar, Add	*1.62*	
06 46 26 00-0004	LF	1" x 6" White Pine Cornices, All Dimensions Are Nominal	11.67	2.20
		For Birch, Add	*2.47*	
		For Mahogany, Oak, Maple, Or Walnut, Add	*3.57*	
		For Poplar, Add	*3.09*	
06 46 26 00-0005	LF	1" x 8" White Pine Cornices, All Dimensions Are Nominal	13.54	2.20
		For Birch, Add	*3.07*	
		For Mahogany, Oak, Maple, Or Walnut, Add	*4.34*	
		For Poplar, Add	*3.84*	
06 46 26 00-0006	LF	1" x 10" White Pine Cornices, All Dimensions Are Nominal	15.72	2.32
		For Birch, Add	*3.77*	
		For Mahogany, Oak, Maple, Or Walnut, Add	*5.24*	
		For Poplar, Add	*4.71*	
06 46 26 00-0007	LF	1" x 12" White Pine Cornices, All Dimensions Are Nominal	20.42	2.54
		For Birch, Add	*5.36*	
		For Mahogany, Oak, Maple, Or Walnut, Add	*7.26*	
		For Poplar, Add	*6.71*	

06 46 29 Wood Fasciae and Soffits *(06 46)*

06 46 29 00-0001 Fascia Board *(06 46 29)*

06 46 29 00-0002 Pine Fascia Board *(06 46 29 00-0001)*

06 46 29 00-0003	LF	1" x 6" Pine Fascia Board	5.14	2.20
06 46 29 00-0004	LF	1" x 8" Pine Fascia Board	5.87	2.45
06 46 29 00-0005	LF	1" x 10" Pine Fascia Board	6.34	2.57
06 46 29 00-0006	LF	1" x 12" Pine Fascia Board	7.45	2.88
06 46 29 00-0007	LF	2" x 6" Pine Fascia Board	5.08	2.20
06 46 29 00-0008	LF	2" x 8" Pine Fascia Board	5.79	2.45
06 46 29 00-0009	LF	2" x 10" Pine Fascia Board	6.45	2.57
06 46 29 00-0010	LF	2" x 12" Pine Fascia Board	7.78	2.88
06 46 29 00-0011	LF	2" x 6" Trim, Exterior, Pine, Resawn Fascia	7.04	2.20
06 46 29 00-0012	LF	2" x 8" Trim, Exterior, Pine, Resawn Fascia	8.37	2.45
06 46 29 00-0013	LF	2" x 10" Trim, Exterior, Pine, Resawn Fascia	9.56	2.57
06 46 29 00-0014	LF	2" x 12" Trim, Exterior, Pine, Resawn Fascia	12.42	2.88

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 29 00-0015		**Cedar Fascia Board** *(06 46 29 00-0001)*		
06 46 29 00-0016	LF	1" x 6" Cedar Fascia Board	5.49	2.20
06 46 29 00-0017	LF	1" x 8" Cedar Fascia Board	6.41	2.45
06 46 29 00-0018	LF	1" x 10" Cedar Fascia Board	7.39	2.57
06 46 29 00-0019	LF	1" x 12" Cedar Fascia Board	8.92	2.88
06 46 29 00-0020		**Engineered Wood Fascia Board** *(06 46 29 00-0001)*		
06 46 29 00-0021	LF	1" x 6" Engineered Wood Fascia Board	4.94	2.20
06 46 29 00-0022	LF	1" x 8" Engineered Wood Fascia Board	5.60	2.45
06 46 29 00-0023	LF	1" x 12" Engineered Wood Fascia Board	6.82	2.88
06 46 29 00-0024		**Soffit** *(06 46 29)*		
06 46 29 00-0025		**Sanded Plywood Soffit** *(06 46 29 00-0024)*		
06 46 29 00-0026	SF	3/8" Thick, Sanded Plywood Soffit	4.38	1.67
06 46 29 00-0027	SF	1/2" Thick, Sanded Plywood Soffit	4.79	1.76
06 46 29 00-0028	SF	5/8" Thick, Sanded Plywood Soffit	5.03	1.83
06 46 29 00-0029	SF	3/4" Thick, Sanded Plywood Soffit	5.55	1.93
06 46 29 00-0030		**MDO Plywood Soffit** *(06 46 29 00-0024)*		
06 46 29 00-0031	SF	3/8" Thick, MDO Plywood Soffit	4.86	1.67
06 46 29 00-0032	SF	1/2" Thick, MDO Plywood Soffit	5.40	1.76
06 46 29 00-0033	SF	3/4" Thick, MDO Plywood Soffit	6.73	1.93
06 46 29 00-0034		**Exterior Ceiling Gypsum Board Soffit** *(06 46 29 00-0024)*		
06 46 29 00-0035	SF	1/2" Thick, Exterior Ceiling Gypsum Board Soffit	3.66	1.45
06 46 29 00-0036	SF	5/8" Thick, Fire Rated, Exterior Ceiling Gypsum Board Soffit	3.96	1.54

06 46 36 Custom Wood Molding *(06 46)*

Note: Includes set-up, knife charge, gluing (Where necessary for widths over 7-1/2"). All dimensions are nominal.

06 46 36 00-0001		**Ash** *(06 46 36)*		
06 46 36 00-0002	LF	3/4" x 1-1/2" Custom Shaped Ash	8.37	1.22
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.89*	
06 46 36 00-0003	LF	3/4" x 2-1/2" Custom Shaped Ash	10.73	1.22
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.92*	
06 46 36 00-0004	LF	3/4" x 3-1/2" Custom Shaped Ash	13.11	1.22
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.95*	
06 46 36 00-0005	LF	3/4" x 4-1/2" Custom Shaped Ash	15.47	1.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.98*	
06 46 36 00-0006	LF	3/4" x 5-1/2" Custom Shaped Ash	17.96	1.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.04*	
06 46 36 00-0007	LF	3/4" x 6-1/2" Custom Shaped Ash	20.44	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.09*	
06 46 36 00-0008	LF	3/4" x 7-1/2" Custom Shaped Ash	22.79	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.12*	
06 46 36 00-0009	LF	3/4" x 8-1/2" Custom Shaped Ash	25.18	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.15*	
06 46 36 00-0010	LF	3/4" x 9-1/2" Custom Shaped Ash	27.50	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.17*	
06 46 36 00-0011	LF	3/4" x 10-1/2" Custom Shaped Ash	30.01	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.23*	
06 46 36 00-0012	LF	3/4" x 11-1/2" Custom Shaped Ash	32.43	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	
06 46 36 00-0013	LF	1" x 1-1/2" Custom Shaped Ash	10.03	1.22
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.92*	
06 46 36 00-0014	LF	1" x 2-1/2" Custom Shaped Ash	13.14	1.22
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.95*	
06 46 36 00-0015	LF	1" x 3-1/2" Custom Shaped Ash	16.26	1.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.98*	
06 46 36 00-0016	LF	1" x 4-1/2" Custom Shaped Ash	19.37	1.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.01*	
06 46 36 00-0017	LF	1" x 5-1/2" Custom Shaped Ash	22.66	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.06*	
06 46 36 00-0018	LF	1" x 6-1/2" Custom Shaped Ash	25.89	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.12*	
06 46 36 00-0019	LF	1" x 7-1/2" Custom Shaped Ash	28.99	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.14*	
06 46 36 00-0020	LF	1" x 8-1/2" Custom Shaped Ash	32.13	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.18*	
06 46 36 00-0021	LF	1" x 9-1/2" Custom Shaped Ash	35.24	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.19*	
06 46 36 00-0022	LF	1" x 10-1/2" Custom Shaped Ash	38.50	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.26*	
06 46 36 00-0023	LF	1" x 11-1/2" Custom Shaped Ash	41.67	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0024	LF	1-1/4" x 1-1/2" Custom Shaped Ash	12.12	1.22
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.95*	
06 46 36 00-0025	LF	1-1/4" x 2-1/2" Custom Shaped Ash	16.24	1.22
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.97*	
06 46 36 00-0026	LF	1-1/4" x 3-1/2" Custom Shaped Ash	20.36	1.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.00*	
06 46 36 00-0027	LF	1-1/4" x 4-1/2" Custom Shaped Ash	24.49	1.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.03*	
06 46 36 00-0028	LF	1-1/4" x 5-1/2" Custom Shaped Ash	28.75	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.09*	
06 46 36 00-0029	LF	1-1/4" x 6-1/2" Custom Shaped Ash	32.99	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.14*	
06 46 36 00-0030	LF	1-1/4" x 7-1/2" Custom Shaped Ash	37.10	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.17*	
06 46 36 00-0031	LF	1-1/4" x 8-1/2" Custom Shaped Ash	41.26	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.20*	
06 46 36 00-0032	LF	1-1/4" x 9-1/2" Custom Shaped Ash	45.33	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.22*	
06 46 36 00-0033	LF	1-1/4" x 10-1/2" Custom Shaped Ash	49.60	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.28*	
06 46 36 00-0034	LF	1-1/4" x 11-1/2" Custom Shaped Ash	53.78	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.32*	
06 46 36 00-0035	LF	1-1/2" x 1-1/2" Custom Shaped Ash	15.11	1.22
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.97*	
06 46 36 00-0036	LF	1-1/2" x 2-1/2" Custom Shaped Ash	20.67	1.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.00*	
06 46 36 00-0037	LF	1-1/2" x 3-1/2" Custom Shaped Ash	26.24	1.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.03*	
06 46 36 00-0038	LF	1-1/2" x 4-1/2" Custom Shaped Ash	31.81	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.06*	
06 46 36 00-0039	LF	1-1/2" x 5-1/2" Custom Shaped Ash	37.39	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.09*	
06 46 36 00-0040	LF	1-1/2" x 6-1/2" Custom Shaped Ash	43.19	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.17*	
06 46 36 00-0041	LF	1-1/2" x 7-1/2" Custom Shaped Ash	48.85	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.19*	
06 46 36 00-0042	LF	1-1/2" x 8-1/2" Custom Shaped Ash	54.34	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.23*	
06 46 36 00-0043	LF	1-1/2" x 9-1/2" Custom Shaped Ash	59.86	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.25*	
06 46 36 00-0044	LF	1-1/2" x 10-1/2" Custom Shaped Ash	66.10	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.31*	
06 46 36 00-0045	LF	1-1/2" x 11-1/2" Custom Shaped Ash	71.18	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.35*	
06 46 36 00-0046		**Basswood** *(06 46 36)*		
06 46 36 00-0047	LF	3/4" x 1-1/2" Custom Shaped Basswood	6.88	1.22
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.89*	
06 46 36 00-0048	LF	3/4" x 2-1/2" Custom Shaped Basswood	8.49	1.22
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.92*	
06 46 36 00-0049	LF	3/4" x 3-1/2" Custom Shaped Basswood	10.12	1.22
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.95*	
06 46 36 00-0050	LF	3/4" x 4-1/2" Custom Shaped Basswood	11.73	1.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.98*	
06 46 36 00-0051	LF	3/4" x 5-1/2" Custom Shaped Basswood	13.48	1.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.04*	
06 46 36 00-0052	LF	3/4" x 6-1/2" Custom Shaped Basswood	15.21	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.09*	
06 46 36 00-0053	LF	3/4" x 7-1/2" Custom Shaped Basswood	16.82	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.12*	
06 46 36 00-0054	LF	3/4" x 8-1/2" Custom Shaped Basswood	18.46	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.15*	
06 46 36 00-0055	LF	3/4" x 9-1/2" Custom Shaped Basswood	20.02	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.17*	
06 46 36 00-0056	LF	3/4" x 10-1/2" Custom Shaped Basswood	21.79	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.23*	
06 46 36 00-0057	LF	3/4" x 11-1/2" Custom Shaped Basswood	23.46	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	
06 46 36 00-0058	LF	1" x 1-1/2" Custom Shaped Basswood	7.90	1.22
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.92*	
06 46 36 00-0059	LF	1" x 2-1/2" Custom Shaped Basswood	9.94	1.22
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.95*	
06 46 36 00-0060	LF	1" x 3-1/2" Custom Shaped Basswood	11.99	1.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.98*	
06 46 36 00-0061	LF	1" x 4-1/2" Custom Shaped Basswood	14.03	1.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.01*	
06 46 36 00-0062	LF	1" x 5-1/2" Custom Shaped Basswood	16.25	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.06*	
06 46 36 00-0063	LF	1" x 6-1/2" Custom Shaped Basswood	18.42	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.12*	
06 46 36 00-0064	LF	1" x 7-1/2" Custom Shaped Basswood	20.45	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0065	LF	1" x 8-1/2" Custom Shaped Basswood	22.52	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.18*	
06 46 36 00-0066	LF	1" x 9-1/2" Custom Shaped Basswood	24.56	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.19*	
06 46 36 00-0067	LF	1" x 10-1/2" Custom Shaped Basswood	26.76	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.26*	
06 46 36 00-0068	LF	1" x 11-1/2" Custom Shaped Basswood	28.86	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.30*	
06 46 36 00-0069	LF	1-1/2" x 1-1/2" Custom Shaped Basswood	10.94	1.22
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.95*	
06 46 36 00-0070	LF	1-1/2" x 2-1/2" Custom Shaped Basswood	14.48	1.22
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.97*	
06 46 36 00-0071	LF	1-1/2" x 3-1/2" Custom Shaped Basswood	18.01	1.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.00*	
06 46 36 00-0072	LF	1-1/2" x 4-1/2" Custom Shaped Basswood	21.56	1.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.03*	
06 46 36 00-0073	LF	1-1/2" x 5-1/2" Custom Shaped Basswood	25.22	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.09*	
06 46 36 00-0074	LF	1-1/2" x 6-1/2" Custom Shaped Basswood	28.88	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.14*	
06 46 36 00-0075	LF	1-1/2" x 7-1/2" Custom Shaped Basswood	32.41	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.17*	
06 46 36 00-0076	LF	1-1/2" x 8-1/2" Custom Shaped Basswood	35.97	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.20*	
06 46 36 00-0077	LF	1-1/2" x 9-1/2" Custom Shaped Basswood	39.46	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.22*	
06 46 36 00-0078	LF	1-1/2" x 10-1/2" Custom Shaped Basswood	43.14	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.28*	
06 46 36 00-0079	LF	1-1/2" x 11-1/2" Custom Shaped Basswood	46.74	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.32*	
06 46 36 00-0080	LF	3-1/2" x 3-1/2" Custom Shaped Basswood	44.03	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.09*	
06 46 36 00-0081	LF	3-1/2" x 4-1/2" Custom Shaped Basswood	54.06	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.14*	
06 46 36 00-0082	LF	3-1/2" x 5-1/2" Custom Shaped Basswood	64.00	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.17*	
06 46 36 00-0083	LF	3-1/2" x 6-1/2" Custom Shaped Basswood	74.15	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.24*	
06 46 36 00-0084	LF	3-1/2" x 7-1/2" Custom Shaped Basswood	84.08	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	
06 46 36 00-0085	LF	3-1/2" x 8-1/2" Custom Shaped Basswood	94.23	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.32*	
06 46 36 00-0086	LF	3-1/2" x 9-1/2" Custom Shaped Basswood	104.04	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.34*	
06 46 36 00-0087	LF	3-1/2" x 10-1/2" Custom Shaped Basswood	113.98	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.37*	
06 46 36 00-0088	LF	3-1/2" x 11-1/2" Custom Shaped Basswood	124.13	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.45*	

06 46 36 00-0089 Birch *(06 46 36)*

06 46 36 00-0090	LF	3/4" x 1-1/2" Custom Shaped Birch	7.41	1.22
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.89*	
06 46 36 00-0091	LF	3/4" x 2-1/2" Custom Shaped Birch	9.29	1.22
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.92*	
06 46 36 00-0092	LF	3/4" x 3-1/2" Custom Shaped Birch	11.18	1.22
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.95*	
06 46 36 00-0093	LF	3/4" x 4-1/2" Custom Shaped Birch	13.07	1.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.98*	
06 46 36 00-0094	LF	3/4" x 5-1/2" Custom Shaped Birch	15.08	1.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.04*	
06 46 36 00-0095	LF	3/4" x 6-1/2" Custom Shaped Birch	17.08	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.09*	
06 46 36 00-0096	LF	3/4" x 7-1/2" Custom Shaped Birch	18.95	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.12*	
06 46 36 00-0097	LF	3/4" x 8-1/2" Custom Shaped Birch	20.86	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.15*	
06 46 36 00-0098	LF	3/4" x 9-1/2" Custom Shaped Birch	22.69	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.17*	
06 46 36 00-0099	LF	3/4" x 10-1/2" Custom Shaped Birch	24.72	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.23*	
06 46 36 00-0100	LF	3/4" x 11-1/2" Custom Shaped Birch	26.66	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	
06 46 36 00-0101	LF	1" x 1-1/2" Custom Shaped Birch	8.70	1.22
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.92*	
06 46 36 00-0102	LF	1" x 2-1/2" Custom Shaped Birch	11.11	1.22
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.95*	
06 46 36 00-0103	LF	1" x 3-1/2" Custom Shaped Birch	13.59	1.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.98*	
06 46 36 00-0104	LF	1" x 4-1/2" Custom Shaped Birch	16.06	1.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.01*	
06 46 36 00-0105	LF	1" x 5-1/2" Custom Shaped Birch	18.66	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0106	LF	1" x 6-1/2" Custom Shaped Birch	21.19	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.12*	
06 46 36 00-0107	LF	1" x 7-1/2" Custom Shaped Birch	23.65	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.14*	
06 46 36 00-0108	LF	1" x 8-1/2" Custom Shaped Birch	26.15	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.18*	
06 46 36 00-0109	LF	1" x 9-1/2" Custom Shaped Birch	28.57	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.19*	
06 46 36 00-0110	LF	1" x 10-1/2" Custom Shaped Birch	31.13	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.26*	
06 46 36 00-0111	LF	1" x 11-1/2" Custom Shaped Birch	33.66	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.30*	
06 46 36 00-0112	LF	1-1/4" x 1-1/2" Custom Shaped Birch	10.19	1.22
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.95*	
06 46 36 00-0113	LF	1-1/4" x 2-1/2" Custom Shaped Birch	13.36	1.22
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.97*	
06 46 36 00-0114	LF	1-1/4" x 3-1/2" Custom Shaped Birch	16.52	1.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.00*	
06 46 36 00-0115	LF	1-1/4" x 4-1/2" Custom Shaped Birch	19.69	1.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.03*	
06 46 36 00-0116	LF	1-1/4" x 5-1/2" Custom Shaped Birch	22.98	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.09*	
06 46 36 00-0117	LF	1-1/4" x 6-1/2" Custom Shaped Birch	26.27	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.14*	
06 46 36 00-0118	LF	1-1/4" x 7-1/2" Custom Shaped Birch	29.42	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.17*	
06 46 36 00-0119	LF	1-1/4" x 8-1/2" Custom Shaped Birch	32.61	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.20*	
06 46 36 00-0120	LF	1-1/4" x 9-1/2" Custom Shaped Birch	35.72	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.22*	
06 46 36 00-0121	LF	1-1/4" x 10-1/2" Custom Shaped Birch	39.03	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.28*	
06 46 36 00-0122	LF	1-1/4" x 11-1/2" Custom Shaped Birch	42.26	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.32*	
06 46 36 00-0123	LF	1-1/2" x 1-1/2" Custom Shaped Birch	12.55	1.22
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.97*	
06 46 36 00-0124	LF	1-1/2" x 2-1/2" Custom Shaped Birch	16.83	1.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.00*	
06 46 36 00-0125	LF	1-1/2" x 3-1/2" Custom Shaped Birch	21.11	1.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.03*	
06 46 36 00-0126	LF	1-1/2" x 4-1/2" Custom Shaped Birch	25.40	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.06*	
06 46 36 00-0127	LF	1-1/2" x 5-1/2" Custom Shaped Birch	29.71	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.09*	
06 46 36 00-0128	LF	1-1/2" x 6-1/2" Custom Shaped Birch	34.22	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.17*	
06 46 36 00-0129	LF	1-1/2" x 7-1/2" Custom Shaped Birch	38.49	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.19*	
06 46 36 00-0130	LF	1-1/2" x 8-1/2" Custom Shaped Birch	42.82	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.23*	
06 46 36 00-0131	LF	1-1/2" x 9-1/2" Custom Shaped Birch	47.05	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.25*	
06 46 36 00-0132	LF	1-1/2" x 10-1/2" Custom Shaped Birch	52.01	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.31*	
06 46 36 00-0133	LF	1-1/2" x 11-1/2" Custom Shaped Birch	55.81	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.35*	

06 46 36 00-0134 Clear Western Cedar *(06 46 36)*

06 46 36 00-0135	LF	3/4" x 1-1/2" Custom Shaped Clear West Cedar	7.41	1.22
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.89*	
06 46 36 00-0136	LF	3/4" x 2-1/2" Custom Shaped Clear West Cedar	9.29	1.22
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.92*	
06 46 36 00-0137	LF	3/4" x 3-1/2" Custom Shaped Clear West Cedar	11.18	1.22
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.95*	
06 46 36 00-0138	LF	3/4" x 4-1/2" Custom Shaped Clear West Cedar	13.07	1.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.98*	
06 46 36 00-0139	LF	3/4" x 5-1/2" Custom Shaped Clear West Cedar	15.08	1.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.04*	
06 46 36 00-0140	LF	3/4" x 6-1/2" Custom Shaped Clear West Cedar	17.08	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.09*	
06 46 36 00-0141	LF	1" x 1-1/2" Custom Shaped Clear West Cedar	8.80	1.22
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.92*	
06 46 36 00-0142	LF	1" x 2-1/2" Custom Shaped Clear West Cedar	11.33	1.22
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.95*	
06 46 36 00-0143	LF	1" x 3-1/2" Custom Shaped Clear West Cedar	13.86	1.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.98*	
06 46 36 00-0144	LF	1" x 4-1/2" Custom Shaped Clear West Cedar	16.38	1.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.01*	
06 46 36 00-0145	LF	1" x 5-1/2" Custom Shaped Clear West Cedar	19.03	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.06*	
06 46 36 00-0146	LF	1" x 6-1/2" Custom Shaped Clear West Cedar	21.67	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0147	LF	1-1/4" x 1-1/2" Custom Shaped Clear West Cedar	11.58	1.22
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.95*	
06 46 36 00-0148	LF	1-1/4" x 2-1/2" Custom Shaped Clear West Cedar	15.44	1.22
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.97*	
06 46 36 00-0149	LF	1-1/4" x 3-1/2" Custom Shaped Clear West Cedar	19.29	1.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.00*	
06 46 36 00-0150	LF	1-1/4" x 4-1/2" Custom Shaped Clear West Cedar	23.16	1.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.03*	
06 46 36 00-0151	LF	1-1/4" x 5-1/2" Custom Shaped Clear West Cedar	27.15	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.09*	
06 46 36 00-0152	LF	1-1/4" x 6-1/2" Custom Shaped Clear West Cedar	31.12	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.14*	
06 46 36 00-0153	LF	1-1/2" x 1-1/2" Custom Shaped Clear West Cedar	11.91	1.22
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.97*	
06 46 36 00-0154	LF	1-1/2" x 2-1/2" Custom Shaped Clear West Cedar	15.87	1.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.00*	
06 46 36 00-0155	LF	1-1/2" x 3-1/2" Custom Shaped Clear West Cedar	19.83	1.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.03*	
06 46 36 00-0156	LF	1-1/2" x 4-1/2" Custom Shaped Clear West Cedar	23.80	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.06*	
06 46 36 00-0157	LF	1-1/2" x 5-1/2" Custom Shaped Clear West Cedar	27.79	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.09*	
06 46 36 00-0158	LF	1-1/2" x 6-1/2" Custom Shaped Clear West Cedar	31.98	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.17*	
06 46 36 00-0159	LF	3-1/2" x 3-1/2" Custom Shaped Clear West Cedar	38.91	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.09*	
06 46 36 00-0160	LF	3-1/2" x 4-1/2" Custom Shaped Clear West Cedar	47.66	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.14*	
06 46 36 00-0161	LF	3-1/2" x 5-1/2" Custom Shaped Clear West Cedar	56.32	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.17*	
06 46 36 00-0162	LF	3-1/2" x 6-1/2" Custom Shaped Clear West Cedar	65.19	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.24*	
06 46 36 00-0163	LF	3-1/2" x 7-1/2" Custom Shaped Clear West Cedar	73.83	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	
06 46 36 00-0164	LF	3-1/2" x 8-1/2" Custom Shaped Clear West Cedar	82.59	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.32*	
06 46 36 00-0165	LF	3-1/2" x 9-1/2" Custom Shaped Clear West Cedar	91.23	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.34*	
06 46 36 00-0166	LF	3-1/2" x 10-1/2" Custom Shaped Clear West Cedar	99.89	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.37*	
06 46 36 00-0167	LF	3-1/2" x 11-1/2" Custom Shaped Clear West Cedar	108.76	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.45*	

06 46 36 00-0168 Cherry *(06 46 36)*

06 46 36 00-0169	LF	3/4" x 1-1/2" Custom Shaped Cherry	9.12	1.22
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.89*	
06 46 36 00-0170	LF	3/4" x 2-1/2" Custom Shaped Cherry	11.86	1.22
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.92*	
06 46 36 00-0171	LF	3/4" x 3-1/2" Custom Shaped Cherry	14.60	1.22
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.95*	
06 46 36 00-0172	LF	3/4" x 4-1/2" Custom Shaped Cherry	17.34	1.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.98*	
06 46 36 00-0173	LF	3/4" x 5-1/2" Custom Shaped Cherry	20.20	1.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.04*	
06 46 36 00-0174	LF	3/4" x 6-1/2" Custom Shaped Cherry	23.06	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.09*	
06 46 36 00-0175	LF	3/4" x 7-1/2" Custom Shaped Cherry	25.78	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.12*	
06 46 36 00-0176	LF	3/4" x 8-1/2" Custom Shaped Cherry	28.55	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.15*	
06 46 36 00-0177	LF	3/4" x 9-1/2" Custom Shaped Cherry	31.23	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.17*	
06 46 36 00-0178	LF	3/4" x 10-1/2" Custom Shaped Cherry	34.12	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.23*	
06 46 36 00-0179	LF	3/4" x 11-1/2" Custom Shaped Cherry	36.91	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	
06 46 36 00-0180	LF	1" x 1-1/2" Custom Shaped Cherry	10.94	1.22
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.92*	
06 46 36 00-0181	LF	1" x 2-1/2" Custom Shaped Cherry	14.53	1.22
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.95*	
06 46 36 00-0182	LF	1" x 3-1/2" Custom Shaped Cherry	18.13	1.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.98*	
06 46 36 00-0183	LF	1" x 4-1/2" Custom Shaped Cherry	21.72	1.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.01*	
06 46 36 00-0184	LF	1" x 5-1/2" Custom Shaped Cherry	25.43	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.06*	
06 46 36 00-0185	LF	1" x 6-1/2" Custom Shaped Cherry	29.14	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.12*	
06 46 36 00-0186	LF	1" x 7-1/2" Custom Shaped Cherry	32.72	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.14*	
06 46 36 00-0187	LF	1" x 8-1/2" Custom Shaped Cherry	36.40	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0188	LF	1" x 9-1/2" Custom Shaped Cherry	39.88	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.19*	
06 46 36 00-0189	LF	1" x 10-1/2" Custom Shaped Cherry	43.62	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.26*	
06 46 36 00-0190	LF	1" x 11-1/2" Custom Shaped Cherry	47.27	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.30*	
06 46 36 00-0191	LF	1-1/4" x 1-1/2" Custom Shaped Cherry	12.92	1.22
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.95*	
06 46 36 00-0192	LF	1-1/4" x 2-1/2" Custom Shaped Cherry	17.47	1.22
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.97*	
06 46 36 00-0193	LF	1-1/4" x 3-1/2" Custom Shaped Cherry	21.96	1.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.00*	
06 46 36 00-0194	LF	1-1/4" x 4-1/2" Custom Shaped Cherry	26.52	1.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.03*	
06 46 36 00-0195	LF	1-1/4" x 5-1/2" Custom Shaped Cherry	31.15	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.09*	
06 46 36 00-0196	LF	1-1/4" x 6-1/2" Custom Shaped Cherry	35.82	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.14*	
06 46 36 00-0197	LF	1-1/4" x 7-1/2" Custom Shaped Cherry	40.30	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.17*	
06 46 36 00-0198	LF	1-1/4" x 8-1/2" Custom Shaped Cherry	44.88	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.20*	
06 46 36 00-0199	LF	1-1/4" x 9-1/2" Custom Shaped Cherry	49.33	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.22*	
06 46 36 00-0200	LF	1-1/4" x 10-1/2" Custom Shaped Cherry	54.03	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.28*	
06 46 36 00-0201	LF	1-1/4" x 11-1/2" Custom Shaped Cherry	58.59	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.32*	
06 46 36 00-0202	LF	1-1/2" x 1-1/2" Custom Shaped Cherry	16.60	1.22
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.97*	
06 46 36 00-0203	LF	1-1/2" x 2-1/2" Custom Shaped Cherry	22.91	1.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.00*	
06 46 36 00-0204	LF	1-1/2" x 3-1/2" Custom Shaped Cherry	29.22	1.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.03*	
06 46 36 00-0205	LF	1-1/2" x 4-1/2" Custom Shaped Cherry	35.55	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.06*	
06 46 36 00-0206	LF	1-1/2" x 5-1/2" Custom Shaped Cherry	41.88	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.09*	
06 46 36 00-0207	LF	1-1/2" x 6-1/2" Custom Shaped Cherry	48.42	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.17*	
06 46 36 00-0208	LF	1-1/2" x 7-1/2" Custom Shaped Cherry	54.72	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.19*	
06 46 36 00-0209	LF	1-1/2" x 8-1/2" Custom Shaped Cherry	61.07	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.23*	
06 46 36 00-0210	LF	1-1/2" x 9-1/2" Custom Shaped Cherry	67.33	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.25*	
06 46 36 00-0211	LF	1-1/2" x 10-1/2" Custom Shaped Cherry	73.89	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.31*	
06 46 36 00-0212	LF	1-1/2" x 11-1/2" Custom Shaped Cherry	80.14	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.35*	
06 46 36 00-0213		Cypress *(06 46 36)*		
06 46 36 00-0214	LF	3/4" x 1-1/2" Custom Shaped Cypress	6.88	1.22
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.89*	
06 46 36 00-0215	LF	3/4" x 2-1/2" Custom Shaped Cypress	8.49	1.22
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.92*	
06 46 36 00-0216	LF	3/4" x 3-1/2" Custom Shaped Cypress	10.12	1.22
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.95*	
06 46 36 00-0217	LF	3/4" x 4-1/2" Custom Shaped Cypress	11.73	1.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.98*	
06 46 36 00-0218	LF	3/4" x 5-1/2" Custom Shaped Cypress	13.48	1.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.04*	
06 46 36 00-0219	LF	3/4" x 6-1/2" Custom Shaped Cypress	15.21	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.09*	
06 46 36 00-0220	LF	3/4" x 7-1/2" Custom Shaped Cypress	17.24	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.12*	
06 46 36 00-0221	LF	3/4" x 8-1/2" Custom Shaped Cypress	18.94	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.15*	
06 46 36 00-0222	LF	3/4" x 9-1/2" Custom Shaped Cypress	22.16	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.17*	
06 46 36 00-0223	LF	3/4" x 10-1/2" Custom Shaped Cypress	24.14	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.23*	
06 46 36 00-0224	LF	1" x 1-1/2" Custom Shaped Cypress	9.23	1.22
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.92*	
06 46 36 00-0225	LF	1" x 2-1/2" Custom Shaped Cypress	11.91	1.22
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.95*	
06 46 36 00-0226	LF	1" x 3-1/2" Custom Shaped Cypress	14.66	1.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.98*	
06 46 36 00-0227	LF	1" x 4-1/2" Custom Shaped Cypress	17.39	1.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.01*	
06 46 36 00-0228	LF	1" x 5-1/2" Custom Shaped Cypress	20.26	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0229	LF	1" x 6-1/2" Custom Shaped Cypress	23.06	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.12*	
06 46 36 00-0230	LF	1" x 7-1/2" Custom Shaped Cypress	25.78	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.14*	
06 46 36 00-0231	LF	1" x 8-1/2" Custom Shaped Cypress	28.55	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.18*	
06 46 36 00-0232	LF	1" x 9-1/2" Custom Shaped Cypress	31.23	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.19*	
06 46 36 00-0233	LF	1" x 10-1/2" Custom Shaped Cypress	34.17	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.26*	
06 46 36 00-0234	LF	1" x 11-1/2" Custom Shaped Cypress	36.86	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.30*	
06 46 36 00-0235	LF	1-1/2" x 1-1/2" Custom Shaped Cypress	10.84	1.22
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.97*	
06 46 36 00-0236	LF	1-1/2" x 2-1/2" Custom Shaped Cypress	14.27	1.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.00*	
06 46 36 00-0237	LF	1-1/2" x 3-1/2" Custom Shaped Cypress	17.70	1.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.03*	
06 46 36 00-0238	LF	1-1/2" x 4-1/2" Custom Shaped Cypress	21.13	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.06*	
06 46 36 00-0239	LF	1-1/2" x 5-1/2" Custom Shaped Cypress	24.58	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.09*	
06 46 36 00-0240	LF	1-1/2" x 6-1/2" Custom Shaped Cypress	28.24	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.17*	
06 46 36 00-0241	LF	1-1/2" x 7-1/2" Custom Shaped Cypress	31.66	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.19*	
06 46 36 00-0242	LF	1-1/2" x 8-1/2" Custom Shaped Cypress	35.13	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.23*	
06 46 36 00-0243	LF	1-1/2" x 9-1/2" Custom Shaped Cypress	41.71	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.25*	
06 46 36 00-0244	LF	1-1/2" x 10-1/2" Custom Shaped Cypress	45.49	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.31*	

06 46 36 00-0245 Fir *(06 46 36)*

06 46 36 00-0246	LF	3/4" x 1-1/2" Custom Shaped Fir	7.73	1.22
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.89*	
06 46 36 00-0247	LF	3/4" x 2-1/2" Custom Shaped Fir	9.77	1.22
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.92*	
06 46 36 00-0248	LF	3/4" x 3-1/2" Custom Shaped Fir	11.83	1.22
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.95*	
06 46 36 00-0249	LF	3/4" x 4-1/2" Custom Shaped Fir	13.87	1.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.98*	
06 46 36 00-0250	LF	3/4" x 5-1/2" Custom Shaped Fir	16.04	1.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.04*	
06 46 36 00-0251	LF	3/4" x 6-1/2" Custom Shaped Fir	18.20	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.09*	
06 46 36 00-0252	LF	3/4" x 7-1/2" Custom Shaped Fir	20.23	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.12*	
06 46 36 00-0253	LF	3/4" x 8-1/2" Custom Shaped Fir	22.30	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.15*	
06 46 36 00-0254	LF	3/4" x 9-1/2" Custom Shaped Fir	24.29	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.17*	
06 46 36 00-0255	LF	3/4" x 10-1/2" Custom Shaped Fir	26.48	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.23*	
06 46 36 00-0256	LF	1" x 1-1/2" Custom Shaped Fir	9.23	1.22
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.92*	
06 46 36 00-0257	LF	1" x 2-1/2" Custom Shaped Fir	11.91	1.22
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.95*	
06 46 36 00-0258	LF	1" x 3-1/2" Custom Shaped Fir	14.66	1.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.98*	
06 46 36 00-0259	LF	1" x 4-1/2" Custom Shaped Fir	17.39	1.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.01*	
06 46 36 00-0260	LF	1" x 5-1/2" Custom Shaped Fir	20.26	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.06*	
06 46 36 00-0261	LF	1" x 6-1/2" Custom Shaped Fir	23.06	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.12*	
06 46 36 00-0262	LF	1" x 7-1/2" Custom Shaped Fir	25.78	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.14*	
06 46 36 00-0263	LF	1" x 8-1/2" Custom Shaped Fir	28.55	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.18*	
06 46 36 00-0264	LF	1" x 9-1/2" Custom Shaped Fir	31.23	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.19*	
06 46 36 00-0265	LF	1" x 10-1/2" Custom Shaped Fir	34.17	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.26*	
06 46 36 00-0266	LF	1" x 11-1/2" Custom Shaped Fir	36.86	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.30*	
06 46 36 00-0267	LF	1-1/4" x 1-1/2" Custom Shaped Fir	10.35	1.22
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.95*	
06 46 36 00-0268	LF	1-1/4" x 2-1/2" Custom Shaped Fir	13.62	1.22
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.97*	
06 46 36 00-0269	LF	1-1/4" x 3-1/2" Custom Shaped Fir	16.84	1.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0270	LF	1-1/4" x 4-1/2" Custom Shaped Fir	20.12	1.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.03*	
06 46 36 00-0271	LF	1-1/4" x 5-1/2" Custom Shaped Fir	23.46	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.09*	
06 46 36 00-0272	LF	1-1/4" x 6-1/2" Custom Shaped Fir	26.85	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.14*	
06 46 36 00-0273	LF	1-1/4" x 7-1/2" Custom Shaped Fir	30.06	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.17*	
06 46 36 00-0274	LF	1-1/4" x 8-1/2" Custom Shaped Fir	33.36	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.20*	
06 46 36 00-0275	LF	1-1/4" x 9-1/2" Custom Shaped Fir	36.52	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.22*	
06 46 36 00-0276	LF	1-1/4" x 10-1/2" Custom Shaped Fir	39.94	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.28*	
06 46 36 00-0277	LF	1-1/4" x 11-1/2" Custom Shaped Fir	43.22	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.32*	
06 46 36 00-0278	LF	1-1/2" x 1-1/2" Custom Shaped Fir	11.91	1.22
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.97*	
06 46 36 00-0279	LF	1-1/2" x 2-1/2" Custom Shaped Fir	15.87	1.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.00*	
06 46 36 00-0280	LF	1-1/2" x 3-1/2" Custom Shaped Fir	19.83	1.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.03*	
06 46 36 00-0281	LF	1-1/2" x 4-1/2" Custom Shaped Fir	23.80	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.06*	
06 46 36 00-0282	LF	1-1/2" x 5-1/2" Custom Shaped Fir	27.79	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.09*	
06 46 36 00-0283	LF	1-1/2" x 6-1/2" Custom Shaped Fir	31.98	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.17*	
06 46 36 00-0284	LF	1-1/2" x 7-1/2" Custom Shaped Fir	35.93	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.19*	
06 46 36 00-0285	LF	1-1/2" x 8-1/2" Custom Shaped Fir	39.93	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.23*	
06 46 36 00-0286	LF	1-1/2" x 9-1/2" Custom Shaped Fir	43.85	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.25*	
06 46 36 00-0287	LF	1-1/2" x 10-1/2" Custom Shaped Fir	47.95	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.31*	
06 46 36 00-0288	LF	1-1/2" x 11-1/2" Custom Shaped Fir	51.96	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.35*	
06 46 36 00-0289	LF	2-1/2" x 1-1/2" Custom Shaped Fir	19.79	1.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.02*	
06 46 36 00-0290	LF	2-1/2" x 2-1/2" Custom Shaped Fir	27.59	1.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.04*	
06 46 36 00-0291	LF	2-1/2" x 3-1/2" Custom Shaped Fir	35.38	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.07*	
06 46 36 00-0292	LF	2-1/2" x 4-1/2" Custom Shaped Fir	43.28	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.12*	
06 46 36 00-0293	LF	2-1/2" x 5-1/2" Custom Shaped Fir	51.08	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.14*	
06 46 36 00-0294	LF	2-1/2" x 6-1/2" Custom Shaped Fir	59.09	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.22*	
06 46 36 00-0295	LF	2-1/2" x 7-1/2" Custom Shaped Fir	66.89	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.24*	
06 46 36 00-0296	LF	2-1/2" x 8-1/2" Custom Shaped Fir	74.91	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.29*	
06 46 36 00-0297	LF	2-1/2" x 9-1/2" Custom Shaped Fir	82.58	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.32*	
06 46 36 00-0298	LF	2-1/2" x 10-1/2" Custom Shaped Fir	90.39	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.35*	
06 46 36 00-0299	LF	3-1/2" x 3-1/2" Custom Shaped Fir	44.14	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.09*	
06 46 36 00-0300	LF	3-1/2" x 4-1/2" Custom Shaped Fir	54.06	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.14*	
06 46 36 00-0301	LF	3-1/2" x 5-1/2" Custom Shaped Fir	64.00	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.17*	
06 46 36 00-0302	LF	3-1/2" x 6-1/2" Custom Shaped Fir	74.15	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.24*	
06 46 36 00-0303	LF	3-1/2" x 7-1/2" Custom Shaped Fir	84.08	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	
06 46 36 00-0304	LF	3-1/2" x 8-1/2" Custom Shaped Fir	94.12	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.32*	
06 46 36 00-0305	LF	3-1/2" x 9-1/2" Custom Shaped Fir	104.04	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.34*	
06 46 36 00-0306	LF	3-1/2" x 10-1/2" Custom Shaped Fir	113.98	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.37*	

06 46 36 00-0307 Honduran Mahogany *(06 46 36)*

06 46 36 00-0308	LF	3/4" x 1-1/2" Custom Shaped Honduras Mahogany	9.76	1.22
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.89*	
06 46 36 00-0309	LF	3/4" x 2-1/2" Custom Shaped Honduras Mahogany	12.82	1.22
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.92*	
06 46 36 00-0310	LF	3/4" x 3-1/2" Custom Shaped Honduras Mahogany	15.88	1.22
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0311	LF	3/4" x 4-1/2" Custom Shaped Honduras Mahogany	18.94	1.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.98*	
06 46 36 00-0312	LF	3/4" x 5-1/2" Custom Shaped Honduras Mahogany	22.12	1.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.04*	
06 46 36 00-0313	LF	3/4" x 6-1/2" Custom Shaped Honduras Mahogany	25.30	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.09*	
06 46 36 00-0314	LF	3/4" x 7-1/2" Custom Shaped Honduras Mahogany	28.34	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.12*	
06 46 36 00-0315	LF	3/4" x 8-1/2" Custom Shaped Honduras Mahogany	31.43	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.15*	
06 46 36 00-0316	LF	3/4" x 9-1/2" Custom Shaped Honduras Mahogany	34.43	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.17*	
06 46 36 00-0317	LF	3/4" x 10-1/2" Custom Shaped Honduras Mahogany	37.64	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.23*	
06 46 36 00-0318	LF	3/4" x 11-1/2" Custom Shaped Honduras Mahogany	40.75	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	
06 46 36 00-0319	LF	1" x 1-1/2" Custom Shaped Honduras Mahogany	11.90	1.22
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.92*	
06 46 36 00-0320	LF	1" x 2-1/2" Custom Shaped Honduras Mahogany	15.92	1.22
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.95*	
06 46 36 00-0321	LF	1" x 3-1/2" Custom Shaped Honduras Mahogany	19.99	1.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.98*	
06 46 36 00-0322	LF	1" x 4-1/2" Custom Shaped Honduras Mahogany	24.06	1.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.01*	
06 46 36 00-0323	LF	1" x 5-1/2" Custom Shaped Honduras Mahogany	28.26	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.06*	
06 46 36 00-0324	LF	1" x 6-1/2" Custom Shaped Honduras Mahogany	32.40	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.12*	
06 46 36 00-0325	LF	1" x 7-1/2" Custom Shaped Honduras Mahogany	36.46	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.14*	
06 46 36 00-0326	LF	1" x 8-1/2" Custom Shaped Honduras Mahogany	40.56	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.18*	
06 46 36 00-0327	LF	1" x 9-1/2" Custom Shaped Honduras Mahogany	44.58	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.19*	
06 46 36 00-0328	LF	1" x 10-1/2" Custom Shaped Honduras Mahogany	48.74	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.26*	
06 46 36 00-0329	LF	1" x 11-1/2" Custom Shaped Honduras Mahogany	53.41	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.30*	
06 46 36 00-0330	LF	1-1/4" x 1-1/2" Custom Shaped Honduras Mahogany	13.56	1.22
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.95*	
06 46 36 00-0331	LF	1-1/4" x 2-1/2" Custom Shaped Honduras Mahogany	18.43	1.22
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.97*	
06 46 36 00-0332	LF	1-1/4" x 3-1/2" Custom Shaped Honduras Mahogany	23.24	1.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.00*	
06 46 36 00-0333	LF	1-1/4" x 4-1/2" Custom Shaped Honduras Mahogany	28.12	1.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.03*	
06 46 36 00-0334	LF	1-1/4" x 5-1/2" Custom Shaped Honduras Mahogany	33.07	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.09*	
06 46 36 00-0335	LF	1-1/4" x 6-1/2" Custom Shaped Honduras Mahogany	38.06	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.14*	
06 46 36 00-0336	LF	1-1/4" x 7-1/2" Custom Shaped Honduras Mahogany	42.87	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.17*	
06 46 36 00-0337	LF	1-1/4" x 8-1/2" Custom Shaped Honduras Mahogany	47.77	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.20*	
06 46 36 00-0338	LF	1-1/4" x 9-1/2" Custom Shaped Honduras Mahogany	51.47	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.22*	
06 46 36 00-0339	LF	1-1/4" x 10-1/2" Custom Shaped Honduras Mahogany	57.55	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.28*	
06 46 36 00-0340	LF	1-1/4" x 11-1/2" Custom Shaped Honduras Mahogany	62.43	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.32*	
06 46 36 00-0341	LF	1-1/2" x 1-1/2" Custom Shaped Honduras Mahogany	16.82	1.22
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.97*	
06 46 36 00-0342	LF	1-1/2" x 2-1/2" Custom Shaped Honduras Mahogany	23.23	1.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.00*	
06 46 36 00-0343	LF	1-1/2" x 3-1/2" Custom Shaped Honduras Mahogany	29.65	1.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.03*	
06 46 36 00-0344	LF	1-1/2" x 4-1/2" Custom Shaped Honduras Mahogany	36.08	1.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.06*	
06 46 36 00-0345	LF	1-1/2" x 5-1/2" Custom Shaped Honduras Mahogany	42.52	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.09*	
06 46 36 00-0346	LF	1-1/2" x 6-1/2" Custom Shaped Honduras Mahogany	49.16	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.17*	
06 46 36 00-0347	LF	1-1/2" x 7-1/2" Custom Shaped Honduras Mahogany	55.57	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.19*	
06 46 36 00-0348	LF	1-1/2" x 8-1/2" Custom Shaped Honduras Mahogany	62.03	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.23*	
06 46 36 00-0349	LF	1-1/2" x 9-1/2" Custom Shaped Honduras Mahogany	68.40	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.25*	
06 46 36 00-0350	LF	1-1/2" x 10-1/2" Custom Shaped Honduras Mahogany	74.96	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.31*	
06 46 36 00-0351	LF	1-1/2" x 11-1/2" Custom Shaped Honduras Mahogany	81.53	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.35*	
06 46 36 00-0352	LF	2" x 1-1/2" Custom Shaped Honduras Mahogany	20.05	1.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0353	LF	2" x 2-1/2" Custom Shaped Honduras Mahogany	28.06	1.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.02*	
06 46 36 00-0354	LF	2" x 3-1/2" Custom Shaped Honduras Mahogany	36.02	1.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.04*	
06 46 36 00-0355	LF	2" x 4-1/2" Custom Shaped Honduras Mahogany	44.13	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.09*	
06 46 36 00-0356	LF	2" x 5-1/2" Custom Shaped Honduras Mahogany	52.09	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.12*	
06 46 36 00-0357	LF	2" x 6-1/2" Custom Shaped Honduras Mahogany	60.31	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.19*	
06 46 36 00-0358	LF	2" x 7-1/2" Custom Shaped Honduras Mahogany	68.27	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.22*	
06 46 36 00-0359	LF	2" x 8-1/2" Custom Shaped Honduras Mahogany	76.40	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	
06 46 36 00-0360	LF	2" x 9-1/2" Custom Shaped Honduras Mahogany	84.34	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.29*	
06 46 36 00-0361	LF	2" x 10-1/2" Custom Shaped Honduras Mahogany	92.36	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.32*	
06 46 36 00-0362	LF	2" x 11-1/2" Custom Shaped Honduras Mahogany	100.54	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.40*	
06 46 36 00-0363	LF	2-1/2" x 1-1/2" Custom Shaped Honduras Mahogany	24.70	1.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.02*	
06 46 36 00-0364	LF	2-1/2" x 2-1/2" Custom Shaped Honduras Mahogany	33.35	1.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.04*	
06 46 36 00-0365	LF	2-1/2" x 3-1/2" Custom Shaped Honduras Mahogany	43.07	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.07*	
06 46 36 00-0366	LF	2-1/2" x 4-1/2" Custom Shaped Honduras Mahogany	52.88	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.12*	
06 46 36 00-0367	LF	2-1/2" x 5-1/2" Custom Shaped Honduras Mahogany	62.61	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.14*	
06 46 36 00-0368	LF	2-1/2" x 6-1/2" Custom Shaped Honduras Mahogany	72.54	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.22*	
06 46 36 00-0369	LF	2-1/2" x 7-1/2" Custom Shaped Honduras Mahogany	82.26	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.24*	
06 46 36 00-0370	LF	2-1/2" x 8-1/2" Custom Shaped Honduras Mahogany	92.09	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.29*	
06 46 36 00-0371	LF	2-1/2" x 9-1/2" Custom Shaped Honduras Mahogany	101.80	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.32*	
06 46 36 00-0372	LF	2-1/2" x 10-1/2" Custom Shaped Honduras Mahogany	111.52	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.35*	
06 46 36 00-0373	LF	2-1/2" x 11-1/2" Custom Shaped Honduras Mahogany	121.46	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.42*	
06 46 36 00-0374	LF	3-1/2" x 3-1/2" Custom Shaped Honduras Mahogany	58.55	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.09*	
06 46 36 00-0375	LF	3-1/2" x 4-1/2" Custom Shaped Honduras Mahogany	72.21	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.14*	
06 46 36 00-0376	LF	3-1/2" x 5-1/2" Custom Shaped Honduras Mahogany	85.78	1.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.17*	
06 46 36 00-0377	LF	3-1/2" x 6-1/2" Custom Shaped Honduras Mahogany	99.56	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.24*	
06 46 36 00-0378	LF	3-1/2" x 7-1/2" Custom Shaped Honduras Mahogany	113.12	1.65
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	
06 46 36 00-0379	LF	3-1/2" x 8-1/2" Custom Shaped Honduras Mahogany	126.79	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.32*	
06 46 36 00-0380	LF	3-1/2" x 9-1/2" Custom Shaped Honduras Mahogany	140.33	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.34*	
06 46 36 00-0381	LF	3-1/2" x 10-1/2" Custom Shaped Honduras Mahogany	153.90	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.37*	
06 46 36 00-0382	LF	3-1/2" x 11-1/2" Custom Shaped Honduras Mahogany	167.68	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.45*	

06 46 36 00-0383 Maple *(06 46 36)*

06 46 36 00-0384	LF	3/4" x 1-1/2" Custom Shaped Maple	7.31	1.22
06 46 36 00-0385	LF	3/4" x 2-1/2" Custom Shaped Maple	9.13	1.22
06 46 36 00-0386	LF	3/4" x 3-1/2" Custom Shaped Maple	10.97	1.22
06 46 36 00-0387	LF	3/4" x 4-1/2" Custom Shaped Maple	12.80	1.33
06 46 36 00-0388	LF	3/4" x 5-1/2" Custom Shaped Maple	14.76	1.33
06 46 36 00-0389	LF	3/4" x 6-1/2" Custom Shaped Maple	16.71	1.43
06 46 36 00-0390	LF	3/4" x 7-1/2" Custom Shaped Maple	18.52	1.43
06 46 36 00-0391	LF	3/4" x 8-1/2" Custom Shaped Maple	20.38	1.43
06 46 36 00-0392	LF	3/4" x 9-1/2" Custom Shaped Maple	22.16	1.54
06 46 36 00-0393	LF	3/4" x 10-1/2" Custom Shaped Maple	24.14	1.65
06 46 36 00-0394	LF	3/4" x 11-1/2" Custom Shaped Maple	26.02	1.65
06 46 36 00-0395	LF	1" x 1-1/2" Custom Shaped Maple	8.70	1.22
06 46 36 00-0396	LF	1" x 2-1/2" Custom Shaped Maple	11.11	1.22
06 46 36 00-0397	LF	1" x 3-1/2" Custom Shaped Maple	13.59	1.33
06 46 36 00-0398	LF	1" x 4-1/2" Custom Shaped Maple	16.06	1.33
06 46 36 00-0399	LF	1" x 5-1/2" Custom Shaped Maple	18.66	1.43
06 46 36 00-0400	LF	1" x 6-1/2" Custom Shaped Maple	21.19	1.43
06 46 36 00-0401	LF	1" x 7-1/2" Custom Shaped Maple	23.65	1.43
06 46 36 00-0402	LF	1" x 8-1/2" Custom Shaped Maple	26.15	1.54
06 46 36 00-0403	LF	1" x 9-1/2" Custom Shaped Maple	28.57	1.54

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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0404	LF	1" x 10-1/2" Custom Shaped Maple	30.06	1.65
06 46 36 00-0405	LF	1" x 11-1/2" Custom Shaped Maple	33.66	1.65
06 46 36 00-0406	LF	1-1/4" x 1-1/2" Custom Shaped Maple	9.87	1.22
06 46 36 00-0407	LF	1-1/4" x 2-1/2" Custom Shaped Maple	12.88	1.22
06 46 36 00-0408	LF	1-1/4" x 3-1/2" Custom Shaped Maple	15.88	1.33
06 46 36 00-0409	LF	1-1/4" x 4-1/2" Custom Shaped Maple	18.89	1.33
06 46 36 00-0410	LF	1-1/4" x 5-1/2" Custom Shaped Maple	22.02	1.43
06 46 36 00-0411	LF	1-1/4" x 6-1/2" Custom Shaped Maple	25.14	1.43
06 46 36 00-0412	LF	1-1/4" x 7-1/2" Custom Shaped Maple	28.14	1.54
06 46 36 00-0413	LF	1-1/4" x 8-1/2" Custom Shaped Maple	31.17	1.54
06 46 36 00-0414	LF	1-1/4" x 9-1/2" Custom Shaped Maple	34.12	1.54
06 46 36 00-0415	LF	1-1/4" x 10-1/2" Custom Shaped Maple	37.27	1.65
06 46 36 00-0416	LF	1-1/4" x 11-1/2" Custom Shaped Maple	40.33	1.76
06 46 36 00-0417	LF	1-1/2" x 1-1/2" Custom Shaped Maple	12.33	1.22
06 46 36 00-0418	LF	1-1/2" x 2-1/2" Custom Shaped Maple	16.51	1.33
06 46 36 00-0419	LF	1-1/2" x 3-1/2" Custom Shaped Maple	20.68	1.33
06 46 36 00-0420	LF	1-1/2" x 4-1/2" Custom Shaped Maple	24.87	1.43
06 46 36 00-0421	LF	1-1/2" x 5-1/2" Custom Shaped Maple	29.07	1.43
06 46 36 00-0422	LF	1-1/2" x 6-1/2" Custom Shaped Maple	33.47	1.54
06 46 36 00-0423	LF	1-1/2" x 7-1/2" Custom Shaped Maple	37.64	1.54
06 46 36 00-0424	LF	1-1/2" x 8-1/2" Custom Shaped Maple	42.39	1.65
06 46 36 00-0425	LF	1-1/2" x 9-1/2" Custom Shaped Maple	45.98	1.65
06 46 36 00-0426	LF	1-1/2" x 10-1/2" Custom Shaped Maple	50.40	1.76
06 46 36 00-0427	LF	1-1/2" x 11-1/2" Custom Shaped Maple	54.52	1.76
06 46 36 00-0428	LF	2" x 1-1/2" Custom Shaped Maple	16.32	1.33
06 46 36 00-0429	LF	2" x 2-1/2" Custom Shaped Maple	22.46	1.33
06 46 36 00-0430	LF	2" x 3-1/2" Custom Shaped Maple	28.55	1.33
06 46 36 00-0431	LF	2" x 4-1/2" Custom Shaped Maple	34.79	1.43
06 46 36 00-0432	LF	2" x 5-1/2" Custom Shaped Maple	40.89	1.43
06 46 36 00-0433	LF	2" x 6-1/2" Custom Shaped Maple	47.24	1.54
06 46 36 00-0434	LF	2" x 7-1/2" Custom Shaped Maple	53.32	1.54
06 46 36 00-0435	LF	2" x 8-1/2" Custom Shaped Maple	59.58	1.65
06 46 36 00-0436	LF	2" x 9-1/2" Custom Shaped Maple	65.66	1.65
06 46 36 00-0437	LF	2" x 10-1/2" Custom Shaped Maple	71.81	1.76
06 46 36 00-0438	LF	2" x 11-1/2" Custom Shaped Maple	78.65	1.87
06 46 36 00-0439	LF	3-1/2" x 3-1/2" Custom Shaped Maple	62.82	1.43
06 46 36 00-0440	LF	3-1/2" x 4-1/2" Custom Shaped Maple	77.54	1.43
06 46 36 00-0441	LF	3-1/2" x 5-1/2" Custom Shaped Maple	92.18	1.54
06 46 36 00-0442	LF	3-1/2" x 6-1/2" Custom Shaped Maple	107.03	1.65
06 46 36 00-0443	LF	3-1/2" x 7-1/2" Custom Shaped Maple	121.66	1.65
06 46 36 00-0444	LF	3-1/2" x 8-1/2" Custom Shaped Maple	136.39	1.76
06 46 36 00-0445	LF	3-1/2" x 9-1/2" Custom Shaped Maple	151.01	1.76
06 46 36 00-0446	LF	3-1/2" x 10-1/2" Custom Shaped Maple	165.65	1.76
06 46 36 00-0447	LF	3-1/2" x 11-1/2" Custom Shaped Maple	180.49	1.87

06 46 36 00-0448 Appl Soft Maple *(06 46 36)*

06 46 36 00-0449	LF	3/4" x 1-1/2" Custom Shaped Appl Soft Maple	7.41	1.22
06 46 36 00-0450	LF	3/4" x 2-1/2" Custom Shaped Appl Soft Maple	9.29	1.22
06 46 36 00-0451	LF	3/4" x 3-1/2" Custom Shaped Appl Soft Maple	11.18	1.22
06 46 36 00-0452	LF	3/4" x 4-1/2" Custom Shaped Appl Soft Maple	13.07	1.33
06 46 36 00-0453	LF	3/4" x 5-1/2" Custom Shaped Appl Soft Maple	15.08	1.33
06 46 36 00-0454	LF	3/4" x 6-1/2" Custom Shaped Appl Soft Maple	17.08	1.43
06 46 36 00-0455	LF	3/4" x 7-1/2" Custom Shaped Appl Soft Maple	18.95	1.43
06 46 36 00-0456	LF	3/4" x 8-1/2" Custom Shaped Appl Soft Maple	20.86	1.43
06 46 36 00-0457	LF	3/4" x 9-1/2" Custom Shaped Appl Soft Maple	22.69	1.54
06 46 36 00-0458	LF	3/4" x 10-1/2" Custom Shaped Appl Soft Maple	24.72	1.65
06 46 36 00-0459	LF	3/4" x 11-1/2" Custom Shaped Appl Soft Maple	26.66	1.65
06 46 36 00-0460	LF	1" x 1-1/2" Custom Shaped Appl Soft Maple	8.43	1.22
06 46 36 00-0461	LF	1" x 2-1/2" Custom Shaped Appl Soft Maple	10.74	1.22
06 46 36 00-0462	LF	1" x 3-1/2" Custom Shaped Appl Soft Maple	13.06	1.33
06 46 36 00-0463	LF	1" x 4-1/2" Custom Shaped Appl Soft Maple	15.31	1.33
06 46 36 00-0464	LF	1" x 5-1/2" Custom Shaped Appl Soft Maple	17.86	1.43
06 46 36 00-0465	LF	1" x 6-1/2" Custom Shaped Appl Soft Maple	20.28	1.43
06 46 36 00-0466	LF	1" x 7-1/2" Custom Shaped Appl Soft Maple	22.58	1.43
06 46 36 00-0467	LF	1" x 8-1/2" Custom Shaped Appl Soft Maple	24.92	1.54
06 46 36 00-0468	LF	1" x 9-1/2" Custom Shaped Appl Soft Maple	27.23	1.54
06 46 36 00-0469	LF	1" x 10-1/2" Custom Shaped Appl Soft Maple	29.69	1.65
06 46 36 00-0470	LF	1" x 11-1/2" Custom Shaped Appl Soft Maple	32.06	1.65
06 46 36 00-0471	LF	1-1/4" x 1-1/2" Custom Shaped Appl Soft Maple	9.39	1.22
06 46 36 00-0472	LF	1-1/4" x 2-1/2" Custom Shaped Appl Soft Maple	12.18	1.22
06 46 36 00-0473	LF	1-1/4" x 3-1/2" Custom Shaped Appl Soft Maple	14.92	1.33
06 46 36 00-0474	LF	1-1/4" x 4-1/2" Custom Shaped Appl Soft Maple	17.72	1.33
06 46 36 00-0475	LF	1-1/4" x 5-1/2" Custom Shaped Appl Soft Maple	20.58	1.43
06 46 36 00-0476	LF	1-1/4" x 6-1/2" Custom Shaped Appl Soft Maple	23.49	1.43
06 46 36 00-0477	LF	1-1/4" x 7-1/2" Custom Shaped Appl Soft Maple	26.21	1.54
06 46 36 00-0478	LF	1-1/4" x 8-1/2" Custom Shaped Appl Soft Maple	29.03	1.54
06 46 36 00-0479	LF	1-1/4" x 9-1/2" Custom Shaped Appl Soft Maple	31.72	1.54
06 46 36 00-0480	LF	1-1/4" x 10-1/2" Custom Shaped Appl Soft Maple	34.66	1.65
06 46 36 00-0481	LF	1-1/4" x 11-1/2" Custom Shaped Appl Soft Maple	37.45	1.76
06 46 36 00-0482	LF	1-1/2" x 1-1/2" Custom Shaped Appl Soft Maple	11.26	1.22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0483	LF	1-1/2" x 2-1/2" Custom Shaped Appl Soft Maple	14.91	1.33
06 46 36 00-0484	LF	1-1/2" x 3-1/2" Custom Shaped Appl Soft Maple	18.55	1.33
06 46 36 00-0485	LF	1-1/2" x 4-1/2" Custom Shaped Appl Soft Maple	22.20	1.43
06 46 36 00-0486	LF	1-1/2" x 5-1/2" Custom Shaped Appl Soft Maple	25.86	1.43
06 46 36 00-0487	LF	1-1/2" x 6-1/2" Custom Shaped Appl Soft Maple	29.74	1.54
06 46 36 00-0488	LF	1-1/2" x 7-1/2" Custom Shaped Appl Soft Maple	33.37	1.54
06 46 36 00-0489	LF	1-1/2" x 8-1/2" Custom Shaped Appl Soft Maple	37.05	1.65
06 46 36 00-0490	LF	1-1/2" x 9-1/2" Custom Shaped Appl Soft Maple	40.64	1.65
06 46 36 00-0491	LF	1-1/2" x 10-1/2" Custom Shaped Appl Soft Maple	44.43	1.76
06 46 36 00-0492	LF	1-1/2" x 11-1/2" Custom Shaped Appl Soft Maple	48.12	1.76
06 46 36 00-0493		**Red Oak** *(06 46 36)*		
06 46 36 00-0494	LF	3/4" x 1-1/2" Custom Shaped Red Oak	7.95	1.22
06 46 36 00-0495	LF	3/4" x 2-1/2" Custom Shaped Red Oak	10.09	1.22
06 46 36 00-0496	LF	3/4" x 3-1/2" Custom Shaped Red Oak	12.25	1.22
06 46 36 00-0497	LF	3/4" x 4-1/2" Custom Shaped Red Oak	14.40	1.33
06 46 36 00-0498	LF	3/4" x 5-1/2" Custom Shaped Red Oak	16.68	1.33
06 46 36 00-0499	LF	3/4" x 6-1/2" Custom Shaped Red Oak	18.95	1.43
06 46 36 00-0500	LF	3/4" x 7-1/2" Custom Shaped Red Oak	21.08	1.43
06 46 36 00-0501	LF	3/4" x 8-1/2" Custom Shaped Red Oak	23.26	1.43
06 46 36 00-0502	LF	3/4" x 9-1/2" Custom Shaped Red Oak	25.36	1.54
06 46 36 00-0503	LF	3/4" x 10-1/2" Custom Shaped Red Oak	27.66	1.65
06 46 36 00-0504	LF	3/4" x 11-1/2" Custom Shaped Red Oak	29.87	1.65
06 46 36 00-0505	LF	1" x 1-1/2" Custom Shaped Red Oak	9.60	1.22
06 46 36 00-0506	LF	1" x 2-1/2" Custom Shaped Red Oak	12.55	1.22
06 46 36 00-0507	LF	1" x 3-1/2" Custom Shaped Red Oak	15.46	1.33
06 46 36 00-0508	LF	1" x 4-1/2" Custom Shaped Red Oak	19.47	1.33
06 46 36 00-0509	LF	1" x 5-1/2" Custom Shaped Red Oak	21.43	1.43
06 46 36 00-0510	LF	1" x 6-1/2" Custom Shaped Red Oak	24.50	1.43
06 46 36 00-0511	LF	1" x 7-1/2" Custom Shaped Red Oak	27.39	1.43
06 46 36 00-0512	LF	1" x 8-1/2" Custom Shaped Red Oak	30.31	1.54
06 46 36 00-0513	LF	1" x 9-1/2" Custom Shaped Red Oak	33.21	1.54
06 46 36 00-0514	LF	1" x 10-1/2" Custom Shaped Red Oak	36.31	1.65
06 46 36 00-0515	LF	1" x 11-1/2" Custom Shaped Red Oak	39.26	1.65
06 46 36 00-0516	LF	1-1/4" x 1-1/2" Custom Shaped Red Oak	11.96	1.22
06 46 36 00-0517	LF	1-1/4" x 2-1/2" Custom Shaped Red Oak	16.03	1.22
06 46 36 00-0518	LF	1-1/4" x 3-1/2" Custom Shaped Red Oak	20.04	1.33
06 46 36 00-0519	LF	1-1/4" x 4-1/2" Custom Shaped Red Oak	24.12	1.33
06 46 36 00-0520	LF	1-1/4" x 5-1/2" Custom Shaped Red Oak	28.27	1.43
06 46 36 00-0521	LF	1-1/4" x 6-1/2" Custom Shaped Red Oak	32.46	1.43
06 46 36 00-0522	LF	1-1/4" x 7-1/2" Custom Shaped Red Oak	36.46	1.54
06 46 36 00-0523	LF	1-1/4" x 8-1/2" Custom Shaped Red Oak	40.56	1.54
06 46 36 00-0524	LF	1-1/4" x 9-1/2" Custom Shaped Red Oak	44.53	1.54
06 46 36 00-0525	LF	1-1/4" x 10-1/2" Custom Shaped Red Oak	48.75	1.65
06 46 36 00-0526	LF	1-1/4" x 11-1/2" Custom Shaped Red Oak	52.82	1.76
06 46 36 00-0527	LF	1-1/2" x 1-1/2" Custom Shaped Red Oak	16.82	1.22
06 46 36 00-0528	LF	1-1/2" x 2-1/2" Custom Shaped Red Oak	23.23	1.33
06 46 36 00-0529	LF	1-1/2" x 3-1/2" Custom Shaped Red Oak	29.65	1.33
06 46 36 00-0530	LF	1-1/2" x 4-1/2" Custom Shaped Red Oak	36.08	1.33
06 46 36 00-0531	LF	1-1/2" x 5-1/2" Custom Shaped Red Oak	42.52	1.43
06 46 36 00-0532	LF	1-1/2" x 6-1/2" Custom Shaped Red Oak	49.27	1.54
06 46 36 00-0533	LF	1-1/2" x 7-1/2" Custom Shaped Red Oak	55.57	1.54
06 46 36 00-0534	LF	1-1/2" x 8-1/2" Custom Shaped Red Oak	63.10	1.65
06 46 36 00-0535	LF	1-1/2" x 9-1/2" Custom Shaped Red Oak	68.40	1.65
06 46 36 00-0536	LF	1-1/2" x 10-1/2" Custom Shaped Red Oak	74.96	1.65
06 46 36 00-0537	LF	1-1/2" x 11-1/2" Custom Shaped Red Oak	81.42	1.76
06 46 36 00-0538	LF	2" x 1-1/2" Custom Shaped Red Oak	25.93	1.33
06 46 36 00-0539	LF	2" x 2-1/2" Custom Shaped Red Oak	36.87	1.33
06 46 36 00-0540	LF	2" x 3-1/2" Custom Shaped Red Oak	47.76	1.33
06 46 36 00-0541	LF	2" x 4-1/2" Custom Shaped Red Oak	58.80	1.43
06 46 36 00-0542	LF	2" x 5-1/2" Custom Shaped Red Oak	69.71	1.43
06 46 36 00-0543	LF	2" x 6-1/2" Custom Shaped Red Oak	80.86	1.54
06 46 36 00-0544	LF	2" x 7-1/2" Custom Shaped Red Oak	91.75	1.54
06 46 36 00-0545	LF	2" x 8-1/2" Custom Shaped Red Oak	102.82	1.65
06 46 36 00-0546	LF	2" x 9-1/2" Custom Shaped Red Oak	113.70	1.65
06 46 36 00-0547	LF	2" x 10-1/2" Custom Shaped Red Oak	124.65	1.76
06 46 36 00-0548	LF	2" x 11-1/2" Custom Shaped Red Oak	135.76	1.87
06 46 36 00-0549		**White Oak** *(06 46 36)*		
06 46 36 00-0550	LF	3/4" x 1-1/2" Custom Shaped White Oak	8.05	1.22
06 46 36 00-0551	LF	3/4" x 2-1/2" Custom Shaped White Oak	10.25	1.22
06 46 36 00-0552	LF	3/4" x 3-1/2" Custom Shaped White Oak	12.47	1.22
06 46 36 00-0553	LF	3/4" x 4-1/2" Custom Shaped White Oak	14.67	1.33
06 46 36 00-0554	LF	3/4" x 5-1/2" Custom Shaped White Oak	17.00	1.33
06 46 36 00-0555	LF	3/4" x 6-1/2" Custom Shaped White Oak	19.32	1.43
06 46 36 00-0556	LF	3/4" x 7-1/2" Custom Shaped White Oak	21.51	1.43
06 46 36 00-0557	LF	3/4" x 8-1/2" Custom Shaped White Oak	23.74	1.43
06 46 36 00-0558	LF	3/4" x 9-1/2" Custom Shaped White Oak	25.89	1.54
06 46 36 00-0559	LF	3/4" x 10-1/2" Custom Shaped White Oak	28.25	1.65

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0560	LF	3/4" x 11-1/2" Custom Shaped White Oak	30.51	1.65
06 46 36 00-0561	LF	1" x 1-1/2" Custom Shaped White Oak	9.60	1.22
06 46 36 00-0562	LF	1" x 2-1/2" Custom Shaped White Oak	12.55	1.22
06 46 36 00-0563	LF	1" x 3-1/2" Custom Shaped White Oak	15.46	1.33
06 46 36 00-0564	LF	1" x 4-1/2" Custom Shaped White Oak	19.47	1.33
06 46 36 00-0565	LF	1" x 5-1/2" Custom Shaped White Oak	21.43	1.43
06 46 36 00-0566	LF	1" x 6-1/2" Custom Shaped White Oak	24.50	1.43
06 46 36 00-0567	LF	1" x 7-1/2" Custom Shaped White Oak	27.39	1.43
06 46 36 00-0568	LF	1" x 8-1/2" Custom Shaped White Oak	30.31	1.54
06 46 36 00-0569	LF	1" x 9-1/2" Custom Shaped White Oak	33.21	1.54
06 46 36 00-0570	LF	1" x 10-1/2" Custom Shaped White Oak	36.31	1.65
06 46 36 00-0571	LF	1" x 11-1/2" Custom Shaped White Oak	39.26	1.65
06 46 36 00-0572	LF	1-1/4" x 1-1/2" Custom Shaped White Oak	12.12	1.22
06 46 36 00-0573	LF	1-1/4" x 2-1/2" Custom Shaped White Oak	16.24	1.22
06 46 36 00-0574	LF	1-1/4" x 3-1/2" Custom Shaped White Oak	20.36	1.33
06 46 36 00-0575	LF	1-1/4" x 4-1/2" Custom Shaped White Oak	24.49	1.33
06 46 36 00-0576	LF	1-1/4" x 5-1/2" Custom Shaped White Oak	28.75	1.43
06 46 36 00-0577	LF	1-1/4" x 6-1/2" Custom Shaped White Oak	32.99	1.43
06 46 36 00-0578	LF	1-1/4" x 7-1/2" Custom Shaped White Oak	37.10	1.54
06 46 36 00-0579	LF	1-1/4" x 8-1/2" Custom Shaped White Oak	41.26	1.54
06 46 36 00-0580	LF	1-1/4" x 9-1/2" Custom Shaped White Oak	45.33	1.54
06 46 36 00-0581	LF	1-1/4" x 10-1/2" Custom Shaped White Oak	49.60	1.65
06 46 36 00-0582	LF	1-1/4" x 11-1/2" Custom Shaped White Oak	53.78	1.76
06 46 36 00-0583	LF	1-1/2" x 1-1/2" Custom Shaped White Oak	20.02	1.22
06 46 36 00-0584	LF	1-1/2" x 2-1/2" Custom Shaped White Oak	28.04	1.33
06 46 36 00-0585	LF	1-1/2" x 3-1/2" Custom Shaped White Oak	36.06	1.33
06 46 36 00-0586	LF	1-1/2" x 4-1/2" Custom Shaped White Oak	44.08	1.43
06 46 36 00-0587	LF	1-1/2" x 5-1/2" Custom Shaped White Oak	52.12	1.43
06 46 36 00-0588	LF	1-1/2" x 6-1/2" Custom Shaped White Oak	60.37	1.54
06 46 36 00-0589	LF	1-1/2" x 7-1/2" Custom Shaped White Oak	68.38	1.54
06 46 36 00-0590	LF	1-1/2" x 8-1/2" Custom Shaped White Oak	76.44	1.65
06 46 36 00-0591	LF	1-1/2" x 9-1/2" Custom Shaped White Oak	83.34	1.65
06 46 36 00-0592	LF	1-1/2" x 10-1/2" Custom Shaped White Oak	92.57	1.76
06 46 36 00-0593	LF	1-1/2" x 11-1/2" Custom Shaped White Oak	100.64	1.76
06 46 36 00-0594		White Pine *(06 46 36)*		
06 46 36 00-0595	LF	3/4" x 1-1/2" Custom Shaped White Pine	9.01	1.22
06 46 36 00-0596	LF	3/4" x 2-1/2" Custom Shaped White Pine	11.70	1.22
06 46 36 00-0597	LF	3/4" x 3-1/2" Custom Shaped White Pine	14.39	1.22
06 46 36 00-0598	LF	3/4" x 4-1/2" Custom Shaped White Pine	17.07	1.33
06 46 36 00-0599	LF	3/4" x 5-1/2" Custom Shaped White Pine	19.88	1.33
06 46 36 00-0600	LF	3/4" x 6-1/2" Custom Shaped White Pine	22.68	1.43
06 46 36 00-0601	LF	3/4" x 7-1/2" Custom Shaped White Pine	25.35	1.43
06 46 36 00-0602	LF	3/4" x 8-1/2" Custom Shaped White Pine	28.07	1.43
06 46 36 00-0603	LF	3/4" x 9-1/2" Custom Shaped White Pine	32.30	1.54
06 46 36 00-0604	LF	3/4" x 10-1/2" Custom Shaped White Pine	35.29	1.65
06 46 36 00-0605	LF	1" x 1-1/2" Custom Shaped White Pine	10.14	1.22
06 46 36 00-0606	LF	1" x 2-1/2" Custom Shaped White Pine	13.35	1.22
06 46 36 00-0607	LF	1" x 3-1/2" Custom Shaped White Pine	16.53	1.33
06 46 36 00-0608	LF	1" x 4-1/2" Custom Shaped White Pine	19.74	1.33
06 46 36 00-0609	LF	1" x 5-1/2" Custom Shaped White Pine	23.03	1.43
06 46 36 00-0610	LF	1" x 6-1/2" Custom Shaped White Pine	26.37	1.43
06 46 36 00-0611	LF	1" x 7-1/2" Custom Shaped White Pine	29.52	1.43
06 46 36 00-0612	LF	1" x 8-1/2" Custom Shaped White Pine	32.77	1.54
06 46 36 00-0613	LF	1" x 9-1/2" Custom Shaped White Pine	35.88	1.54
06 46 36 00-0614	LF	1" x 10-1/2" Custom Shaped White Pine	39.24	1.65
06 46 36 00-0615	LF	1" x 11-1/2" Custom Shaped White Pine	42.47	1.65
06 46 36 00-0616	LF	1-1/4" x 1-1/2" Custom Shaped White Pine	11.48	1.22
06 46 36 00-0617	LF	1-1/4" x 2-1/2" Custom Shaped White Pine	15.28	1.22
06 46 36 00-0618	LF	1-1/4" x 3-1/2" Custom Shaped White Pine	19.19	1.33
06 46 36 00-0619	LF	1-1/4" x 4-1/2" Custom Shaped White Pine	22.89	1.33
06 46 36 00-0620	LF	1-1/4" x 5-1/2" Custom Shaped White Pine	26.83	1.43
06 46 36 00-0621	LF	1-1/4" x 6-1/2" Custom Shaped White Pine	30.75	1.43
06 46 36 00-0622	LF	1-1/4" x 7-1/2" Custom Shaped White Pine	34.54	1.54
06 46 36 00-0623	LF	1-1/4" x 8-1/2" Custom Shaped White Pine	38.37	1.54
06 46 36 00-0624	LF	1-1/4" x 9-1/2" Custom Shaped White Pine	42.13	1.54
06 46 36 00-0625	LF	1-1/4" x 10-1/2" Custom Shaped White Pine	46.08	1.65
06 46 36 00-0626	LF	1-1/4" x 11-1/2" Custom Shaped White Pine	49.94	1.76
06 46 36 00-0627	LF	1-1/2" x 1-1/2" Custom Shaped White Pine	14.47	1.22
06 46 36 00-0628	LF	1-1/2" x 2-1/2" Custom Shaped White Pine	19.71	1.33
06 46 36 00-0629	LF	1-1/2" x 3-1/2" Custom Shaped White Pine	24.95	1.33
06 46 36 00-0630	LF	1-1/2" x 4-1/2" Custom Shaped White Pine	30.21	1.43
06 46 36 00-0631	LF	1-1/2" x 5-1/2" Custom Shaped White Pine	35.47	1.43
06 46 36 00-0632	LF	1-1/2" x 6-1/2" Custom Shaped White Pine	40.95	1.54
06 46 36 00-0633	LF	1-1/2" x 7-1/2" Custom Shaped White Pine	46.18	1.54
06 46 36 00-0634	LF	1-1/2" x 8-1/2" Custom Shaped White Pine	51.46	1.65
06 46 36 00-0635	LF	1-1/2" x 9-1/2" Custom Shaped White Pine	57.72	1.65
06 46 36 00-0636	LF	1-1/2" x 10-1/2" Custom Shaped White Pine	62.04	1.76
06 46 36 00-0637	LF	1-1/2" x 11-1/2" Custom Shaped White Pine	67.33	1.76
06 46 36 00-0638	LF	2" x 1-1/2" Custom Shaped White Pine	22.46	1.33

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0639	LF	2" x 2-1/2" Custom Shaped White Pine	31.64	1.33
06 46 36 00-0640	LF	2" x 3-1/2" Custom Shaped White Pine	40.82	1.33
06 46 36 00-0641	LF	2" x 4-1/2" Custom Shaped White Pine	50.11	1.43
06 46 36 00-0642	LF	2" x 5-1/2" Custom Shaped White Pine	59.30	1.43
06 46 36 00-0643	LF	2" x 6-1/2" Custom Shaped White Pine	68.69	1.54
06 46 36 00-0644	LF	2" x 7-1/2" Custom Shaped White Pine	77.87	1.54
06 46 36 00-0645	LF	2" x 8-1/2" Custom Shaped White Pine	87.18	1.65
06 46 36 00-0646	LF	2" x 9-1/2" Custom Shaped White Pine	96.35	1.65
06 46 36 00-0647	LF	2" x 10-1/2" Custom Shaped White Pine	105.54	1.76
06 46 36 00-0648	LF	2" x 11-1/2" Custom Shaped White Pine	114.95	1.87
06 46 36 00-0649	LF	2-1/2" x 1-1/2" Custom Shaped White Pine	26.84	1.33
06 46 36 00-0650	LF	2-1/2" x 2-1/2" Custom Shaped White Pine	38.15	1.33
06 46 36 00-0651	LF	2-1/2" x 3-1/2" Custom Shaped White Pine	49.47	1.43
06 46 36 00-0652	LF	2-1/2" x 4-1/2" Custom Shaped White Pine	60.89	1.43
06 46 36 00-0653	LF	2-1/2" x 5-1/2" Custom Shaped White Pine	72.22	1.43
06 46 36 00-0654	LF	2-1/2" x 6-1/2" Custom Shaped White Pine	83.75	1.54
06 46 36 00-0655	LF	2-1/2" x 7-1/2" Custom Shaped White Pine	95.07	1.65
06 46 36 00-0656	LF	2-1/2" x 8-1/2" Custom Shaped White Pine	106.50	1.65
06 46 36 00-0657	LF	2-1/2" x 9-1/2" Custom Shaped White Pine	117.81	1.76
06 46 36 00-0658	LF	2-1/2" x 10-1/2" Custom Shaped White Pine	129.14	1.76
06 46 36 00-0659	LF	2-1/2" x 11-1/2" Custom Shaped White Pine	140.67	1.87
06 46 36 00-0660	LF	3-1/2" x 3-1/2" Custom Shaped White Pine	68.80	1.43
06 46 36 00-0661	LF	3-1/2" x 4-1/2" Custom Shaped White Pine	85.02	1.43
06 46 36 00-0662	LF	3-1/2" x 5-1/2" Custom Shaped White Pine	101.15	1.54
06 46 36 00-0663	LF	3-1/2" x 6-1/2" Custom Shaped White Pine	117.49	1.65
06 46 36 00-0664	LF	3-1/2" x 7-1/2" Custom Shaped White Pine	133.61	1.65
06 46 36 00-0665	LF	3-1/2" x 8-1/2" Custom Shaped White Pine	149.84	1.76
06 46 36 00-0666	LF	3-1/2" x 9-1/2" Custom Shaped White Pine	165.95	1.76
06 46 36 00-0667	LF	3-1/2" x 10-1/2" Custom Shaped White Pine	182.08	1.76
06 46 36 00-0668	LF	3-1/2" x 11-1/2" Custom Shaped White Pine	198.43	1.87
06 46 36 00-0669		**Clear Yellow Pine** *(06 46 36)*		
06 46 36 00-0670	LF	3/4" x 1-1/2" Custom Shaped "C" Y Pine	6.02	1.22
06 46 36 00-0671	LF	3/4" x 2-1/2" Custom Shaped "C" Y Pine	7.21	1.22
06 46 36 00-0672	LF	3/4" x 3-1/2" Custom Shaped "C" Y Pine	8.41	1.22
06 46 36 00-0673	LF	3/4" x 4-1/2" Custom Shaped "C" Y Pine	9.60	1.33
06 46 36 00-0674	LF	3/4" x 5-1/2" Custom Shaped "C" Y Pine	10.91	1.33
06 46 36 00-0675	LF	3/4" x 6-1/2" Custom Shaped "C" Y Pine	12.22	1.43
06 46 36 00-0676	LF	3/4" x 7-1/2" Custom Shaped "C" Y Pine	13.40	1.43
06 46 36 00-0677	LF	3/4" x 8-1/2" Custom Shaped "C" Y Pine	14.62	1.43
06 46 36 00-0678	LF	1" x 1-1/2" Custom Shaped "C" Y Pine	6.94	1.22
06 46 36 00-0679	LF	1" x 2-1/2" Custom Shaped "C" Y Pine	8.55	1.22
06 46 36 00-0680	LF	1" x 3-1/2" Custom Shaped "C" Y Pine	10.12	1.33
06 46 36 00-0681	LF	1" x 4-1/2" Custom Shaped "C" Y Pine	11.74	1.33
06 46 36 00-0682	LF	1" x 5-1/2" Custom Shaped "C" Y Pine	13.43	1.43
06 46 36 00-0683	LF	1" x 6-1/2" Custom Shaped "C" Y Pine	15.16	1.43
06 46 36 00-0684	LF	1" x 7-1/2" Custom Shaped "C" Y Pine	17.25	1.43
06 46 36 00-0685	LF	1" x 8-1/2" Custom Shaped "C" Y Pine	18.94	1.54
06 46 36 00-0686	LF	1-1/2" x 1-1/2" Custom Shaped "C" Y Pine	8.06	1.22
06 46 36 00-0687	LF	1-1/2" x 2-1/2" Custom Shaped "C" Y Pine	10.10	1.33
06 46 36 00-0688	LF	1-1/2" x 3-1/2" Custom Shaped "C" Y Pine	12.15	1.33
06 46 36 00-0689	LF	1-1/2" x 4-1/2" Custom Shaped "C" Y Pine	14.20	1.43
06 46 36 00-0690	LF	1-1/2" x 5-1/2" Custom Shaped "C" Y Pine	16.26	1.43
06 46 36 00-0691	LF	1-1/2" x 6-1/2" Custom Shaped "C" Y Pine	18.53	1.54
06 46 36 00-0692	LF	1-1/2" x 7-1/2" Custom Shaped "C" Y Pine	20.56	1.54
06 46 36 00-0693	LF	1-1/2" x 8-1/2" Custom Shaped "C" Y Pine	22.64	1.65
06 46 36 00-0694	LF	1-1/2" x 9-1/2" Custom Shaped "C" Y Pine	26.23	1.65
06 46 36 00-0695	LF	1-1/2" x 10-1/2" Custom Shaped "C" Y Pine	27.03	1.76
06 46 36 00-0696		**Poplar** *(06 46 36)*		
06 46 36 00-0697	LF	3/4" x 1-1/2" Custom Shaped Poplar	6.35	1.22
06 46 36 00-0698	LF	3/4" x 2-1/2" Custom Shaped Poplar	7.69	1.22
06 46 36 00-0699	LF	3/4" x 3-1/2" Custom Shaped Poplar	9.05	1.22
06 46 36 00-0700	LF	3/4" x 4-1/2" Custom Shaped Poplar	10.40	1.33
06 46 36 00-0701	LF	3/4" x 5-1/2" Custom Shaped Poplar	11.88	1.33
06 46 36 00-0702	LF	3/4" x 6-1/2" Custom Shaped Poplar	13.34	1.43
06 46 36 00-0703	LF	3/4" x 7-1/2" Custom Shaped Poplar	14.68	1.43
06 46 36 00-0704	LF	3/4" x 8-1/2" Custom Shaped Poplar	16.06	1.43
06 46 36 00-0705	LF	3/4" x 9-1/2" Custom Shaped Poplar	17.36	1.54
06 46 36 00-0706	LF	3/4" x 10-1/2" Custom Shaped Poplar	18.85	1.65
06 46 36 00-0707	LF	3/4" x 11-1/2" Custom Shaped Poplar	20.37	1.65
06 46 36 00-0708	LF	1" x 1-1/2" Custom Shaped Poplar	7.36	1.22
06 46 36 00-0709	LF	1" x 2-1/2" Custom Shaped Poplar	9.14	1.22
06 46 36 00-0710	LF	1" x 3-1/2" Custom Shaped Poplar	10.92	1.33
06 46 36 00-0711	LF	1" x 4-1/2" Custom Shaped Poplar	12.70	1.33
06 46 36 00-0712	LF	1" x 5-1/2" Custom Shaped Poplar	14.65	1.43
06 46 36 00-0713	LF	1" x 6-1/2" Custom Shaped Poplar	16.55	1.43
06 46 36 00-0714	LF	1" x 7-1/2" Custom Shaped Poplar	18.31	1.43
06 46 36 00-0715	LF	1" x 8-1/2" Custom Shaped Poplar	20.12	1.54

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0716	LF	1" x 9-1/2" Custom Shaped Poplar	21.90	1.54
06 46 36 00-0717	LF	1" x 10-1/2" Custom Shaped Poplar	23.82	1.65
06 46 36 00-0718	LF	1" x 11-1/2" Custom Shaped Poplar	25.65	1.65
06 46 36 00-0719	LF	1-1/4" x 1-1/2" Custom Shaped Poplar	8.27	1.22
06 46 36 00-0720	LF	1-1/4" x 2-1/2" Custom Shaped Poplar	10.47	1.22
06 46 36 00-0721	LF	1-1/4" x 3-1/2" Custom Shaped Poplar	12.68	1.33
06 46 36 00-0722	LF	1-1/4" x 4-1/2" Custom Shaped Poplar	14.89	1.33
06 46 36 00-0723	LF	1-1/4" x 5-1/2" Custom Shaped Poplar	17.22	1.43
06 46 36 00-0724	LF	1-1/4" x 6-1/2" Custom Shaped Poplar	19.54	1.43
06 46 36 00-0725	LF	1-1/4" x 7-1/2" Custom Shaped Poplar	21.73	1.54
06 46 36 00-0726	LF	1-1/4" x 8-1/2" Custom Shaped Poplar	23.96	1.54
06 46 36 00-0727	LF	1-1/4" x 9-1/2" Custom Shaped Poplar	26.11	1.54
06 46 36 00-0728	LF	1-1/4" x 10-1/2" Custom Shaped Poplar	28.47	1.65
06 46 36 00-0729	LF	1-1/4" x 11-1/2" Custom Shaped Poplar	30.73	1.76
06 46 36 00-0730	LF	1-1/2" x 1-1/2" Custom Shaped Poplar	10.41	1.22
06 46 36 00-0731	LF	1-1/2" x 2-1/2" Custom Shaped Poplar	13.63	1.33
06 46 36 00-0732	LF	1-1/2" x 3-1/2" Custom Shaped Poplar	16.84	1.33
06 46 36 00-0733	LF	1-1/2" x 4-1/2" Custom Shaped Poplar	20.07	1.43
06 46 36 00-0734	LF	1-1/2" x 5-1/2" Custom Shaped Poplar	23.30	1.43
06 46 36 00-0735	LF	1-1/2" x 6-1/2" Custom Shaped Poplar	26.75	1.54
06 46 36 00-0736	LF	1-1/2" x 7-1/2" Custom Shaped Poplar	29.95	1.54
06 46 36 00-0737	LF	1-1/2" x 8-1/2" Custom Shaped Poplar	33.21	1.65
06 46 36 00-0738	LF	1-1/2" x 9-1/2" Custom Shaped Poplar	36.38	1.65
06 46 36 00-0739	LF	1-1/2" x 10-1/2" Custom Shaped Poplar	39.73	1.76
06 46 36 00-0740	LF	1-1/2" x 11-1/2" Custom Shaped Poplar	43.00	1.76
06 46 36 00-0741	LF	2" x 1-1/2" Custom Shaped Poplar	13.65	1.33
06 46 36 00-0742	LF	2" x 2-1/2" Custom Shaped Poplar	18.46	1.33
06 46 36 00-0743	LF	2" x 3-1/2" Custom Shaped Poplar	23.21	1.33
06 46 36 00-0744	LF	2" x 4-1/2" Custom Shaped Poplar	28.12	1.43
06 46 36 00-0745	LF	2" x 5-1/2" Custom Shaped Poplar	32.88	1.43
06 46 36 00-0746	LF	2" x 6-1/2" Custom Shaped Poplar	37.90	1.54
06 46 36 00-0747	LF	2" x 7-1/2" Custom Shaped Poplar	42.65	1.54
06 46 36 00-0748	LF	2" x 8-1/2" Custom Shaped Poplar	47.58	1.65
06 46 36 00-0749	LF	2" x 9-1/2" Custom Shaped Poplar	52.32	1.65
06 46 36 00-0750	LF	2" x 10-1/2" Custom Shaped Poplar	57.14	1.76
06 46 36 00-0751	LF	2" x 11-1/2" Custom Shaped Poplar	62.11	1.87
06 46 36 00-0752	LF	2-1/2" x 1-1/2" Custom Shaped Poplar	16.91	1.33
06 46 36 00-0753	LF	2-1/2" x 2-1/2" Custom Shaped Poplar	23.26	1.33
06 46 36 00-0754	LF	2-1/2" x 3-1/2" Custom Shaped Poplar	29.62	1.43
06 46 36 00-0755	LF	2-1/2" x 4-1/2" Custom Shaped Poplar	36.07	1.43
06 46 36 00-0756	LF	2-1/2" x 5-1/2" Custom Shaped Poplar	42.44	1.43
06 46 36 00-0757	LF	2-1/2" x 6-1/2" Custom Shaped Poplar	49.00	1.54
06 46 36 00-0758	LF	2-1/2" x 7-1/2" Custom Shaped Poplar	55.37	1.65
06 46 36 00-0759	LF	2-1/2" x 8-1/2" Custom Shaped Poplar	61.83	1.65
06 46 36 00-0760	LF	2-1/2" x 9-1/2" Custom Shaped Poplar	68.17	1.76
06 46 36 00-0761	LF	2-1/2" x 10-1/2" Custom Shaped Poplar	74.54	1.76
06 46 36 00-0762	LF	2-1/2" x 11-1/2" Custom Shaped Poplar	81.11	1.87
06 46 36 00-0763	LF	3-1/2" x 3-1/2" Custom Shaped Poplar	40.62	1.43
06 46 36 00-0764	LF	3-1/2" x 4-1/2" Custom Shaped Poplar	49.79	1.43
06 46 36 00-0765	LF	3-1/2" x 5-1/2" Custom Shaped Poplar	58.88	1.54
06 46 36 00-0766	LF	3-1/2" x 6-1/2" Custom Shaped Poplar	68.28	1.65
06 46 36 00-0767	LF	3-1/2" x 7-1/2" Custom Shaped Poplar	77.25	1.65
06 46 36 00-0768	LF	3-1/2" x 8-1/2" Custom Shaped Poplar	86.44	1.76
06 46 36 00-0769	LF	3-1/2" x 9-1/2" Custom Shaped Poplar	95.50	1.76
06 46 36 00-0770	LF	3-1/2" x 10-1/2" Custom Shaped Poplar	104.59	1.76
06 46 36 00-0771	LF	3-1/2" x 11-1/2" Custom Shaped Poplar	113.89	1.87

06 46 36 00-0772 Clear Heart Redwood *(06 46 36)*

06 46 36 00-0773	LF	3/4" x 1-1/2" Custom Shaped Clear Heart Redwood	7.84	1.22
06 46 36 00-0774	LF	3/4" x 2-1/2" Custom Shaped Clear Heart Redwood	9.93	1.22
06 46 36 00-0775	LF	3/4" x 3-1/2" Custom Shaped Clear Heart Redwood	12.04	1.22
06 46 36 00-0776	LF	3/4" x 4-1/2" Custom Shaped Clear Heart Redwood	14.13	1.33
06 46 36 00-0777	LF	3/4" x 5-1/2" Custom Shaped Clear Heart Redwood	16.36	1.33
06 46 36 00-0778	LF	3/4" x 6-1/2" Custom Shaped Clear Heart Redwood	18.57	1.43
06 46 36 00-0779	LF	3/4" x 7-1/2" Custom Shaped Clear Heart Redwood	22.79	1.43
06 46 36 00-0780	LF	3/4" x 8-1/2" Custom Shaped Clear Heart Redwood	25.18	1.43
06 46 36 00-0781	LF	3/4" x 9-1/2" Custom Shaped Clear Heart Redwood	25.31	1.54
06 46 36 00-0782	LF	3/4" x 10-1/2" Custom Shaped Clear Heart Redwood	27.07	1.65
06 46 36 00-0783	LF	1" x 1-1/2" Custom Shaped Clear Heart Redwood	9.50	1.22
06 46 36 00-0784	LF	1" x 2-1/2" Custom Shaped Clear Heart Redwood	12.34	1.22
06 46 36 00-0785	LF	1" x 3-1/2" Custom Shaped Clear Heart Redwood	15.19	1.33
06 46 36 00-0786	LF	1" x 4-1/2" Custom Shaped Clear Heart Redwood	18.03	1.33
06 46 36 00-0787	LF	1" x 5-1/2" Custom Shaped Clear Heart Redwood	21.06	1.43
06 46 36 00-0788	LF	1" x 6-1/2" Custom Shaped Clear Heart Redwood	24.02	1.43
06 46 36 00-0789	LF	1" x 7-1/2" Custom Shaped Clear Heart Redwood	30.59	1.43
06 46 36 00-0790	LF	1" x 8-1/2" Custom Shaped Clear Heart Redwood	33.94	1.54
06 46 36 00-0791	LF	1" x 9-1/2" Custom Shaped Clear Heart Redwood	37.21	1.54
06 46 36 00-0792	LF	1" x 10-1/2" Custom Shaped Clear Heart Redwood	40.68	1.65
06 46 36 00-0793	LF	1-1/2" x 1-1/2" Custom Shaped Clear Heart Redwood	12.55	1.22
06 46 36 00-0794	LF	1-1/2" x 2-1/2" Custom Shaped Clear Heart Redwood	16.83	1.33

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0795	LF	1-1/2" x 3-1/2" Custom Shaped Clear Heart Redwood	21.11	1.33
06 46 36 00-0796	LF	1-1/2" x 4-1/2" Custom Shaped Clear Heart Redwood	25.40	1.43
06 46 36 00-0797	LF	1-1/2" x 5-1/2" Custom Shaped Clear Heart Redwood	29.71	1.43
06 46 36 00-0798	LF	1-1/2" x 6-1/2" Custom Shaped Clear Heart Redwood	34.33	1.54
06 46 36 00-0799	LF	1-1/2" x 7-1/2" Custom Shaped Clear Heart Redwood	46.18	1.54
06 46 36 00-0800	LF	1-1/2" x 8-1/2" Custom Shaped Clear Heart Redwood	51.46	1.65
06 46 36 00-0801	LF	1-1/2" x 9-1/2" Custom Shaped Clear Heart Redwood	60.93	1.65
06 46 36 00-0802	LF	1-1/2" x 10-1/2" Custom Shaped Clear Heart Redwood	66.74	1.76
06 46 36 00-0803	LF	3-1/2" x 3-1/2" Custom Shaped Clear Heart Redwood	64.53	1.43
06 46 36 00-0804	LF	3-1/2" x 4-1/2" Custom Shaped Clear Heart Redwood	79.68	1.43
06 46 36 00-0805	LF	3-1/2" x 5-1/2" Custom Shaped Clear Heart Redwood	94.74	1.54
06 46 36 00-0806	LF	3-1/2" x 6-1/2" Custom Shaped Clear Heart Redwood	110.02	1.65
06 46 36 00-0807	LF	3-1/2" x 7-1/2" Custom Shaped Clear Heart Redwood	125.07	1.65
06 46 36 00-0808	LF	3-1/2" x 8-1/2" Custom Shaped Clear Heart Redwood	140.23	1.76
06 46 36 00-0809	LF	3-1/2" x 9-1/2" Custom Shaped Clear Heart Redwood	155.28	1.76
06 46 36 00-0810	LF	3-1/2" x 10-1/2" Custom Shaped Clear Heart Redwood	170.34	1.76
06 46 36 00-0811	LF	3-1/2" x 11-1/2" Custom Shaped Clear Heart Redwood	185.62	1.87
06 46 36 00-0812		**Teak** *(06 46 36)*		
06 46 36 00-0813	LF	3/4" x 1-1/2" Custom Shaped Teak	22.14	1.22
06 46 36 00-0814	LF	3/4" x 2-1/2" Custom Shaped Teak	31.39	1.22
06 46 36 00-0815	LF	3/4" x 3-1/2" Custom Shaped Teak	40.65	1.22
06 46 36 00-0816	LF	3/4" x 4-1/2" Custom Shaped Teak	49.89	1.33
06 46 36 00-0817	LF	3/4" x 5-1/2" Custom Shaped Teak	59.27	1.33
06 46 36 00-0818	LF	3/4" x 6-1/2" Custom Shaped Teak	68.63	1.43
06 46 36 00-0819	LF	3/4" x 7-1/2" Custom Shaped Teak	77.87	1.43
06 46 36 00-0820	LF	3/4" x 8-1/2" Custom Shaped Teak	87.15	1.43
06 46 36 00-0821	LF	3/4" x 9-1/2" Custom Shaped Teak	96.34	1.54
06 46 36 00-0822	LF	3/4" x 10-1/2" Custom Shaped Teak	105.74	1.65
06 46 36 00-0823	LF	3/4" x 11-1/2" Custom Shaped Teak	115.05	1.65
06 46 36 00-0824	LF	1-1/2" x 1-1/2" Custom Shaped Teak	51.40	1.22
06 46 36 00-0825	LF	1-1/2" x 2-1/2" Custom Shaped Teak	59.10	1.33
06 46 36 00-0826	LF	1-1/2" x 3-1/2" Custom Shaped Teak	77.47	1.33
06 46 36 00-0827	LF	1-1/2" x 4-1/2" Custom Shaped Teak	95.85	1.43
06 46 36 00-0828	LF	1-1/2" x 5-1/2" Custom Shaped Teak	114.25	1.43
06 46 36 00-0829	LF	1-1/2" x 6-1/2" Custom Shaped Teak	132.32	1.54
06 46 36 00-0830	LF	1-1/2" x 7-1/2" Custom Shaped Teak	151.21	1.54
06 46 36 00-0831	LF	1-1/2" x 8-1/2" Custom Shaped Teak	169.63	1.65
06 46 36 00-0832	LF	1-1/2" x 9-1/2" Custom Shaped Teak	187.95	1.65
06 46 36 00-0833	LF	1-1/2" x 10-1/2" Custom Shaped Teak	206.46	1.76
06 46 36 00-0834	LF	1-1/2" x 11-1/2" Custom Shaped Teak	224.88	1.76
06 46 36 00-0835		**Walnut** *(06 46 36)*		
06 46 36 00-0836	LF	3/4" x 1-1/2" Custom Shaped Walnut	12.00	1.22
06 46 36 00-0837	LF	3/4" x 2-1/2" Custom Shaped Walnut	16.18	1.22
06 46 36 00-0838	LF	3/4" x 3-1/2" Custom Shaped Walnut	20.36	1.22
06 46 36 00-0839	LF	3/4" x 4-1/2" Custom Shaped Walnut	24.54	1.33
06 46 36 00-0840	LF	3/4" x 5-1/2" Custom Shaped Walnut	28.85	1.33
06 46 36 00-0841	LF	3/4" x 6-1/2" Custom Shaped Walnut	33.14	1.43
06 46 36 00-0842	LF	3/4" x 7-1/2" Custom Shaped Walnut	37.31	1.43
06 46 36 00-0843	LF	3/4" x 8-1/2" Custom Shaped Walnut	41.52	1.43
06 46 36 00-0844	LF	3/4" x 9-1/2" Custom Shaped Walnut	45.64	1.54
06 46 36 00-0845	LF	3/4" x 10-1/2" Custom Shaped Walnut	49.97	1.65
06 46 36 00-0846	LF	3/4" x 11-1/2" Custom Shaped Walnut	54.20	1.65
06 46 36 00-0847	LF	1" x 1-1/2" Custom Shaped Walnut	14.41	1.22
06 46 36 00-0848	LF	1" x 2-1/2" Custom Shaped Walnut	19.76	1.22
06 46 36 00-0849	LF	1" x 3-1/2" Custom Shaped Walnut	25.06	1.33
06 46 36 00-0850	LF	1" x 4-1/2" Custom Shaped Walnut	30.41	1.33
06 46 36 00-0851	LF	1" x 5-1/2" Custom Shaped Walnut	35.84	1.43
06 46 36 00-0852	LF	1" x 6-1/2" Custom Shaped Walnut	41.31	1.43
06 46 36 00-0853	LF	1" x 7-1/2" Custom Shaped Walnut	46.60	1.43
06 46 36 00-0854	LF	1" x 8-1/2" Custom Shaped Walnut	51.98	1.54
06 46 36 00-0855	LF	1" x 9-1/2" Custom Shaped Walnut	57.23	1.54
06 46 36 00-0856	LF	1" x 10-1/2" Custom Shaped Walnut	62.73	1.65
06 46 36 00-0857	LF	1" x 11-1/2" Custom Shaped Walnut	68.08	1.65
06 46 36 00-0858	LF	1-1/4" x 1-1/2" Custom Shaped Walnut	17.72	1.22
06 46 36 00-0859	LF	1-1/4" x 2-1/2" Custom Shaped Walnut	24.67	1.22
06 46 36 00-0860	LF	1-1/4" x 3-1/2" Custom Shaped Walnut	31.57	1.33
06 46 36 00-0861	LF	1-1/4" x 4-1/2" Custom Shaped Walnut	38.53	1.33
06 46 36 00-0862	LF	1-1/4" x 5-1/2" Custom Shaped Walnut	45.56	1.43
06 46 36 00-0863	LF	1-1/4" x 6-1/2" Custom Shaped Walnut	52.63	1.43
06 46 36 00-0864	LF	1-1/4" x 7-1/2" Custom Shaped Walnut	59.52	1.54
06 46 36 00-0865	LF	1-1/4" x 8-1/2" Custom Shaped Walnut	66.50	1.54
06 46 36 00-0866	LF	1-1/4" x 9-1/2" Custom Shaped Walnut	73.35	1.54
06 46 36 00-0867	LF	1-1/4" x 10-1/2" Custom Shaped Walnut	80.45	1.65
06 46 36 00-0868	LF	1-1/4" x 11-1/2" Custom Shaped Walnut	87.41	1.76
06 46 36 00-0869	LF	1-1/2" x 1-1/2" Custom Shaped Walnut	24.07	1.22
06 46 36 00-0870	LF	1-1/2" x 2-1/2" Custom Shaped Walnut	34.12	1.33
06 46 36 00-0871	LF	1-1/2" x 3-1/2" Custom Shaped Walnut	44.17	1.33

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0872	LF	1-1/2" x 4-1/2" Custom Shaped Walnut	54.22	1.43
06 46 36 00-0873	LF	1-1/2" x 5-1/2" Custom Shaped Walnut	64.29	1.43
06 46 36 00-0874	LF	1-1/2" x 6-1/2" Custom Shaped Walnut	74.57	1.54
06 46 36 00-0875	LF	1-1/2" x 7-1/2" Custom Shaped Walnut	84.61	1.54
06 46 36 00-0876	LF	1-1/2" x 8-1/2" Custom Shaped Walnut	94.69	1.65
06 46 36 00-0877	LF	1-1/2" x 9-1/2" Custom Shaped Walnut	105.76	1.65
06 46 36 00-0878	LF	1-1/2" x 10-1/2" Custom Shaped Walnut	114.88	1.76
06 46 36 00-0879	LF	1-1/2" x 11-1/2" Custom Shaped Walnut	124.97	1.76
06 46 36 00-0880	LF	2" x 1-1/2" Custom Shaped Walnut	40.60	1.33
06 46 36 00-0881	LF	2" x 2-1/2" Custom Shaped Walnut	58.86	1.33
06 46 36 00-0882	LF	2" x 3-1/2" Custom Shaped Walnut	77.11	1.33
06 46 36 00-0883	LF	2" x 4-1/2" Custom Shaped Walnut	95.47	1.43
06 46 36 00-0884	LF	2" x 5-1/2" Custom Shaped Walnut	113.74	1.43
06 46 36 00-0885	LF	2" x 6-1/2" Custom Shaped Walnut	132.20	1.54
06 46 36 00-0886	LF	2" x 7-1/2" Custom Shaped Walnut	150.46	1.54
06 46 36 00-0887	LF	2" x 8-1/2" Custom Shaped Walnut	168.84	1.65
06 46 36 00-0888	LF	2" x 9-1/2" Custom Shaped Walnut	187.08	1.65
06 46 36 00-0889	LF	2" x 10-1/2" Custom Shaped Walnut	205.35	1.76
06 46 36 00-0890	LF	2" x 11-1/2" Custom Shaped Walnut	223.82	1.87
06 46 36 00-0891	LF	2-1/2" x 1-1/2" Custom Shaped Walnut	50.85	1.33
06 46 36 00-0892	LF	2-1/2" x 2-1/2" Custom Shaped Walnut	74.18	1.33
06 46 36 00-0893	LF	2-1/2" x 3-1/2" Custom Shaped Walnut	97.51	1.43
06 46 36 00-0894	LF	2-1/2" x 4-1/2" Custom Shaped Walnut	120.93	1.43
06 46 36 00-0895	LF	2-1/2" x 5-1/2" Custom Shaped Walnut	144.27	1.43
06 46 36 00-0896	LF	2-1/2" x 6-1/2" Custom Shaped Walnut	167.80	1.54
06 46 36 00-0897	LF	2-1/2" x 7-1/2" Custom Shaped Walnut	191.14	1.65
06 46 36 00-0898	LF	2-1/2" x 8-1/2" Custom Shaped Walnut	214.58	1.65
06 46 36 00-0899	LF	2-1/2" x 9-1/2" Custom Shaped Walnut	237.89	1.76
06 46 36 00-0900	LF	2-1/2" x 10-1/2" Custom Shaped Walnut	261.23	1.76
06 46 36 00-0901	LF	2-1/2" x 11-1/2" Custom Shaped Walnut	284.78	1.87

06 48 Wood Frames *(06 40)*

Note: Includes perimeter caulk, sealant (as required), anchors and silencers.

06 48 13 Exterior Wood Door Frames *(06 48)*

06 48 13 00-0001 Exterior Door Frames *(06 48 13)*

Note: 6'-8" and 7'-2" frames are the same price as 7' frames. Custom made with threshold, includes all trim molding, up to 8" depth.

06 48 13 00-0002	EA	3' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	298.21	62.64
		For Birch, Add	*60.57*	
		For Mahogany, Add	*147.10*	
06 48 13 00-0003	EA	3'-6" x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	313.54	65.64
		For Birch, Add	*64.00*	
		For Mahogany, Add	*155.43*	
06 48 13 00-0004	EA	4' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	328.90	68.20
		For Birch, Add	*67.42*	
		For Mahogany, Add	*163.74*	
06 48 13 00-0005	EA	5' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	358.22	72.98
		For Birch, Add	*74.26*	
		For Mahogany, Add	*180.35*	
06 48 13 00-0006	EA	6' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	388.20	78.21
		For Birch, Add	*81.12*	
		For Mahogany, Add	*197.00*	
06 48 13 00-0007	EA	3' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	443.59	62.85
06 48 13 00-0008	EA	3'-6" x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	451.77	65.64
06 48 13 00-0009	EA	4' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	459.92	68.41
06 48 13 00-0010	EA	5' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	474.11	72.87
06 48 13 00-0011	EA	6' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	490.61	78.43
06 48 13 00-0012	EA	3' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	348.38	62.85
06 48 13 00-0013	EA	3'-6" x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	365.16	65.64
06 48 13 00-0014	EA	4' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	382.04	68.41
06 48 13 00-0015	EA	5' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	413.40	72.87
06 48 13 00-0016	EA	6' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	446.97	78.43

06 48 16 Interior Wood Door Frames *(06 48)*

06 48 16 00-0001 Interior Door Frames *(06 48 16)*

Note: 6'-8" and 7'-2" frames are the same price as 7' frames. Custom made, includes all trim molding.

06 48 16 00-0002	EA	2'-0" Or 2'-4" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	149.17	29.82
		For Oak Or Maple, Add	*27.77*	
		For Birch, Add	*31.35*	
		For Mahogany, Add	*76.13*	
		For Walnut Frame, Add	*40.31*	
06 48 16 00-0003	EA	2'-6" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	150.20	29.93
		For Oak Or Maple, Add	*28.00*	
		For Birch, Add	*31.61*	
		For Mahogany, Add	*76.77*	
		For Walnut Frame, Add	*40.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 48 16 00-0004	EA	2'-8" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	152.06	30.48
		For Oak Or Maple, Add	*28.21*	
		For Birch, Add	*31.85*	
		For Mahogany, Add	*77.36*	
		For Walnut Frame, Add	*40.95*	
06 48 16 00-0005	EA	3' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	154.49	31.26
		For Oak Or Maple, Add	*28.49*	
		For Birch, Add	*32.17*	
		For Mahogany, Add	*78.12*	
		For Walnut Frame, Add	*41.36*	
06 48 16 00-0006	EA	3'-4" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	158.03	32.04
		For Oak Or Maple, Add	*29.09*	
		For Birch, Add	*32.85*	
		For Mahogany, Add	*79.77*	
		For Walnut Frame, Add	*42.23*	
06 48 16 00-0007	EA	4' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	166.95	34.04
		For Oak Or Maple, Add	*30.63*	
		For Birch, Add	*34.58*	
		For Mahogany, Add	*83.99*	
		For Walnut Frame, Add	*44.46*	
06 48 16 00-0008	EA	5' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	177.49	36.83
		For Oak Or Maple, Add	*32.17*	
		For Birch, Add	*36.33*	
		For Mahogany, Add	*88.22*	
		For Walnut Frame, Add	*46.71*	
06 48 16 00-0009	EA	6' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	186.97	39.15
		For Oak Or Maple, Add	*33.71*	
		For Birch, Add	*38.06*	
		For Mahogany, Add	*92.44*	
		For Walnut Frame, Add	*48.94*	
06 48 16 00-0010	LF	4-9/16", Pine Interior Door Frame	6.98	2.67
		For Oak Or Maple, Add	*0.51*	
		For Birch, Add	*0.57*	
		For Mahogany, Add	*1.39*	
		For Walnut Frame, Add	*0.74*	

06 49 Wood Screens and Exterior Wood Shutters *(06 40)*

06 49 19 Exterior Wood Shutters *(06 49)*

See CSI section 10 71 13 13-0000 for exterior shutters.

06 50 Structural Plastics *(06)*

06 51 Structural Plastic Shapes and Plates *(06 50)*

06 51 13 Plastic Lumber *(06 51)*

06 51 13 00-0001 Beams And Girders, Recycled Plastic Lumber *(06 51 13)*

06 51 13 00-0002	LF	2" x 6", Beam Or Girder, Recycled Plastic Lumber	13.33	1.79
		For Reinforced Structural Plastic Lumber, Add	*3.98*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.65*	
		For White Color, Add	*1.35*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*2.80*	
		For >750, Deduct	*-0.97*	
06 51 13 00-0003	LF	2" x 8", Beam Or Girder, Recycled Plastic Lumber	17.11	1.94
		For Reinforced Structural Plastic Lumber, Add	*5.30*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.86*	
		For White Color, Add	*1.79*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*3.72*	
		For >750, Deduct	*-1.29*	
06 51 13 00-0004	LF	2" x 10", Beam Or Girder, Recycled Plastic Lumber	20.53	2.11
		For Reinforced Structural Plastic Lumber, Add	*6.49*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.05*	
		For White Color, Add	*2.19*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*4.56*	
		For >750, Deduct	*-1.58*	
06 51 13 00-0005	LF	3" x 10", Beam Or Girder, Recycled Plastic Lumber	30.14	2.49
		For Reinforced Structural Plastic Lumber, Add	*9.83*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.59*	
		For White Color, Add	*3.32*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*6.91*	
		For >750, Deduct	*-2.39*	
06 51 13 00-0006	LF	3" x 12", Beam Or Girder, Recycled Plastic Lumber	36.14	2.81
		For Reinforced Structural Plastic Lumber, Add	*11.89*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.93*	
		For White Color, Add	*4.02*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*8.35*	
		For >750, Deduct	*-2.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0007	LF	4" x 4", Beam Or Girder, Recycled Plastic Lumber	19.26	2.41
		For Reinforced Structural Plastic Lumber, Add	*5.85*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.95*	
		For White Color, Add	*1.98*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*4.11*	
		For >500, Deduct	*-1.58*	
06 51 13 00-0008	LF	4" x 6", Beam Or Girder, Recycled Plastic Lumber	26.13	2.57
		For Reinforced Structural Plastic Lumber, Add	*8.31*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.35*	
		For White Color, Add	*2.81*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*5.84*	
		For >500, Deduct	*-2.25*	
06 51 13 00-0009	LF	5" x 5", Beam Or Girder, Recycled Plastic Lumber	27.20	2.64
		For Reinforced Structural Plastic Lumber, Add	*8.67*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.41*	
		For White Color, Add	*2.93*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*6.09*	
		For >500, Deduct	*-2.34*	
06 51 13 00-0010	LF	6" x 6", Beam Or Girder, Recycled Plastic Lumber	37.74	2.88
		For Reinforced Structural Plastic Lumber, Add	*12.44*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*2.02*	
		For White Color, Add	*4.20*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*8.74*	
		For >500, Deduct	*-3.36*	
06 51 13 00-0011	LF	6" x 8", Beam Or Girder, Recycled Plastic Lumber	51.71	3.04
		For Reinforced Structural Plastic Lumber, Add	*17.53*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*2.84*	
		For White Color, Add	*5.92*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*12.32*	
		For >500, Deduct	*-4.74*	

06 51 13 00-0012 Joists, Recycled Plastic Lumber *(06 51 13)*

06 51 13 00-0013	LF	2" x 4", Joist, Recycled Plastic Lumber	8.70	1.00
		For Reinforced Structural Plastic Lumber, Add	*2.69*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.44*	
		For White Color, Add	*0.91*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.89*	
		For >750, Deduct	*-0.65*	
06 51 13 00-0014	LF	2" x 6", Joist, Recycled Plastic Lumber	12.21	1.06
		For Reinforced Structural Plastic Lumber, Add	*3.98*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.65*	
		For White Color, Add	*1.35*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*2.80*	
		For >750, Deduct	*-0.97*	
06 51 13 00-0015	LF	2" x 8", Joist, Recycled Plastic Lumber	15.99	1.17
		For Reinforced Structural Plastic Lumber, Add	*5.30*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.86*	
		For White Color, Add	*1.79*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*3.72*	
		For >750, Deduct	*-1.29*	
06 51 13 00-0016	LF	2" x 10", Joist, Recycled Plastic Lumber	19.53	1.40
		For Reinforced Structural Plastic Lumber, Add	*6.49*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.05*	
		For White Color, Add	*2.19*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*4.56*	
		For >750, Deduct	*-1.58*	
06 51 13 00-0017	LF	3" x 10", Joist, Recycled Plastic Lumber	28.92	1.64
		For Reinforced Structural Plastic Lumber, Add	*9.83*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.59*	
		For White Color, Add	*3.32*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*6.91*	
		For >750, Deduct	*-2.39*	
06 51 13 00-0018	LF	3" x 12", Joist, Recycled Plastic Lumber	35.14	2.11
		For Reinforced Structural Plastic Lumber, Add	*11.89*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.93*	
		For White Color, Add	*4.02*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*8.35*	
		For >750, Deduct	*-2.89*	
06 51 13 00-0019	LF	4" x 4", Joist, Recycled Plastic Lumber	17.93	1.47
		For Reinforced Structural Plastic Lumber, Add	*5.85*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.95*	
		For White Color, Add	*1.98*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*4.11*	
		For >500, Deduct	*-1.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0020	LF	4" x 6", Joist, Recycled Plastic Lumber	24.69	1.56
		For Reinforced Structural Plastic Lumber, Add	*8.31*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.35*	
		For White Color, Add	*2.81*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*5.84*	
		For >500, Deduct	*-2.25*	
06 51 13 00-0021	LF	5" x 5", Joist, Recycled Plastic Lumber	25.87	1.71
		For Reinforced Structural Plastic Lumber, Add	*8.67*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.41*	
		For White Color, Add	*2.93*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*6.09*	
		For >500, Deduct	*-2.34*	
06 51 13 00-0022	LF	6" x 6", Joist, Recycled Plastic Lumber	36.40	1.94
		For Reinforced Structural Plastic Lumber, Add	*12.44*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*2.02*	
		For White Color, Add	*4.20*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*8.74*	
		For >500, Deduct	*-3.36*	
06 51 13 00-0023	LF	6" x 8", Joist, Recycled Plastic Lumber	50.38	2.11
		For Reinforced Structural Plastic Lumber, Add	*17.53*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*2.84*	
		For White Color, Add	*5.92*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*12.32*	
		For >500, Deduct	*-4.74*	
06 51 13 00-0024		**Columns, Recycled Plastic Lumber** *(06 51 13)*		
06 51 13 00-0025	LF	4" x 4", Column, Recycled Plastic Lumber	20.38	3.19
		For Reinforced Structural Plastic Lumber, Add	*5.85*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.95*	
		For White Color, Add	*1.98*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*4.11*	
		For >500, Deduct	*-1.58*	
06 51 13 00-0026	LF	4" x 6", Column, Recycled Plastic Lumber	28.91	4.52
		For Reinforced Structural Plastic Lumber, Add	*8.31*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.35*	
		For White Color, Add	*2.81*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*5.84*	
		For >500, Deduct	*-2.25*	
06 51 13 00-0027	LF	5" x 5", Column, Recycled Plastic Lumber	30.65	5.06
		For Reinforced Structural Plastic Lumber, Add	*8.67*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.41*	
		For White Color, Add	*2.93*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*6.09*	
		For >500, Deduct	*-2.34*	
06 51 13 00-0028	LF	6" x 6", Column, Recycled Plastic Lumber	41.85	5.77
		For Reinforced Structural Plastic Lumber, Add	*12.44*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*2.02*	
		For White Color, Add	*4.20*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*8.74*	
		For >500, Deduct	*-3.36*	
06 51 13 00-0029	LF	6" x 8", Column, Recycled Plastic Lumber	57.50	7.09
		For Reinforced Structural Plastic Lumber, Add	*17.53*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*2.84*	
		For White Color, Add	*5.92*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*12.32*	
		For >500, Deduct	*-4.74*	
06 51 13 00-0030		**Walls, Recycled Plastic Lumber** *(06 51 13)*		
06 51 13 00-0031	LF	2" x 3", Walls, Recycled Plastic Lumber	7.79	1.00
		For Reinforced Structural Plastic Lumber, Add	*2.35*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.38*	
		For White Color, Add	*0.79*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.65*	
		For >750, Deduct	*-0.57*	
06 51 13 00-0032	LF	2" x 4", Walls, Recycled Plastic Lumber	8.93	1.17
		For Reinforced Structural Plastic Lumber, Add	*2.69*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.44*	
		For White Color, Add	*0.91*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.89*	
		For >750, Deduct	*-0.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0033	LF	2" x 6", Walls, Recycled Plastic Lumber	12.55	1.25
		For Reinforced Structural Plastic Lumber, Add	*3.98*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.65*	
		For White Color, Add	*1.35*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*2.80*	
		For >750, Deduct	*-0.97*	
06 51 13 00-0034	LF	2" x 8", Walls, Recycled Plastic Lumber	16.21	1.32
		For Reinforced Structural Plastic Lumber, Add	*5.30*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.86*	
		For White Color, Add	*1.79*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*3.72*	
		For >750, Deduct	*-1.29*	

06 51 13 00-0035 Other Shapes, Recycled Plastic Lumber *(06 51 13)*

06 51 13 00-0036	LF	5/4" x 4", Other Shapes, Recycled Plastic Lumber	7.62	0.89
		For Reinforced Structural Plastic Lumber, Add	*2.32*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.38*	
		For White Color, Add	*0.78*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.63*	
		For Grooved Edge Deck Boards With Hidden Fasteners, Add	*0.40*	
		For >750, Deduct	*-0.56*	
06 51 13 00-0037	LF	5/4" x 6", Other Shapes, Recycled Plastic Lumber	9.74	1.00
		For Reinforced Structural Plastic Lumber, Add	*3.07*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.50*	
		For White Color, Add	*1.04*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*2.16*	
		For Grooved Edge Deck Boards With Hidden Fasteners, Add	*0.40*	
		For >750, Deduct	*-0.75*	
06 51 13 00-0038	LF	5/4" x 8", Other Shapes, Recycled Plastic Lumber	12.83	1.00
		For Reinforced Structural Plastic Lumber, Add	*4.21*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.68*	
		For White Color, Add	*1.42*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*2.96*	
		For Grooved Edge Deck Boards With Hidden Fasteners, Add	*0.40*	
		For >750, Deduct	*-1.03*	
06 51 13 00-0039	LF	1" x 4", Other Shapes, Recycled Plastic Lumber	7.66	0.89
		For Reinforced Structural Plastic Lumber, Add	*2.33*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.38*	
		For White Color, Add	*0.79*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.64*	
		For Grooved Edge Deck Boards With Hidden Fasteners, Add	*0.40*	
		For >750, Deduct	*-0.57*	
06 51 13 00-0040	LF	1" x 6", Other Shapes, Recycled Plastic Lumber	8.48	1.00
		For Reinforced Structural Plastic Lumber, Add	*2.60*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.42*	
		For White Color, Add	*0.88*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.83*	
		For Grooved Edge Deck Boards With Hidden Fasteners, Add	*0.40*	
		For >750, Deduct	*-0.63*	
06 51 13 00-0041	LF	1" x 6", Tongue And Grooved, Other Shapes, Recycled Plastic Lumber	8.64	1.00
		For Reinforced Structural Plastic Lumber, Add	*2.66*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.43*	
		For White Color, Add	*0.90*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.87*	
		For >750, Deduct	*-0.65*	
06 51 13 00-0042	LF	2" x 2", Other Shapes, Recycled Plastic Lumber	5.24	0.85
		For Reinforced Structural Plastic Lumber, Add	*1.48*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.24*	
		For White Color, Add	*0.50*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.04*	
		For >750, Deduct	*-0.36*	
06 51 13 00-0043	LF	2" x 3", Other Shapes, Recycled Plastic Lumber	7.79	1.00
		For Reinforced Structural Plastic Lumber, Add	*2.35*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.38*	
		For White Color, Add	*0.79*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.65*	
		For >750, Deduct	*-0.57*	
06 51 13 00-0044	LF	2" x 4", Other Shapes, Recycled Plastic Lumber	8.93	1.17
		For Reinforced Structural Plastic Lumber, Add	*2.69*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.44*	
		For White Color, Add	*0.91*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.89*	
		For >750, Deduct	*-0.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0045	LF	2" x 6", Other Shapes, Recycled Plastic Lumber	12.55	1.25
		For Reinforced Structural Plastic Lumber, Add	*3.98*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.65*	
		For White Color, Add	*1.35*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*2.80*	
		For >750, Deduct	*-0.97*	
06 51 13 00-0046	LF	2" x 8", Other Shapes, Recycled Plastic Lumber	16.21	1.32
		For Reinforced Structural Plastic Lumber, Add	*5.30*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.86*	
		For White Color, Add	*1.79*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*3.72*	
		For >750, Deduct	*-1.29*	
06 51 13 00-0047	LF	2" x 10", Other Shapes, Recycled Plastic Lumber	19.53	1.40
		For Reinforced Structural Plastic Lumber, Add	*6.49*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.05*	
		For White Color, Add	*2.19*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*4.56*	
		For >750, Deduct	*-1.58*	
06 51 13 00-0048	LF	2" x 12", Other Shapes, Recycled Plastic Lumber	23.67	1.47
		For Reinforced Structural Plastic Lumber, Add	*7.98*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.29*	
		For White Color, Add	*2.70*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*5.61*	
		For >750, Deduct	*-1.94*	
06 51 13 00-0049	LF	3" x 4", Other Shapes, Recycled Plastic Lumber	12.88	1.36
		For Reinforced Structural Plastic Lumber, Add	*4.04*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.66*	
		For White Color, Add	*1.37*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*2.84*	
		For >750, Deduct	*-0.98*	
06 51 13 00-0050	LF	3" x 6", Other Shapes, Recycled Plastic Lumber	19.03	1.45
		For Reinforced Structural Plastic Lumber, Add	*6.28*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.02*	
		For White Color, Add	*2.12*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*4.41*	
		For >750, Deduct	*-1.53*	
06 51 13 00-0051	LF	3" x 8", Other Shapes, Recycled Plastic Lumber	24.90	1.56
		For Reinforced Structural Plastic Lumber, Add	*8.40*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.36*	
		For White Color, Add	*2.84*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*5.90*	
		For >750, Deduct	*-2.04*	
06 51 13 00-0052	LF	3" x 10", Other Shapes, Recycled Plastic Lumber	28.92	1.64
		For Reinforced Structural Plastic Lumber, Add	*9.83*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.59*	
		For White Color, Add	*3.32*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*6.91*	
		For >750, Deduct	*-2.39*	
06 51 13 00-0053	LF	3" x 12", Other Shapes, Recycled Plastic Lumber	35.14	2.11
		For Reinforced Structural Plastic Lumber, Add	*11.89*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.93*	
		For White Color, Add	*4.02*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*8.35*	
		For >750, Deduct	*-2.89*	
06 51 13 00-0054	LF	4" x 4", Other Shapes, Recycled Plastic Lumber	17.93	1.47
		For Reinforced Structural Plastic Lumber, Add	*5.85*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.95*	
		For White Color, Add	*1.98*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*4.11*	
		For >500, Deduct	*-1.58*	
06 51 13 00-0055	LF	4" x 6", Other Shapes, Recycled Plastic Lumber	24.69	1.56
		For Reinforced Structural Plastic Lumber, Add	*8.31*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.35*	
		For White Color, Add	*2.81*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*5.84*	
		For >500, Deduct	*-2.25*	
06 51 13 00-0056	LF	4" x 8", Other Shapes, Recycled Plastic Lumber	33.30	1.69
		For Reinforced Structural Plastic Lumber, Add	*11.43*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.85*	
		For White Color, Add	*3.86*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*8.03*	
		For >500, Deduct	*-3.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0057	LF	5" x 5", Other Shapes, Recycled Plastic Lumber	25.87	1.71
		For Reinforced Structural Plastic Lumber, Add	*8.67*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.41*	
		For White Color, Add	*2.93*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*6.09*	
		For >500, Deduct	*-2.34*	
06 51 13 00-0058	LF	6" x 6", Other Shapes, Recycled Plastic Lumber	36.40	1.94
		For Reinforced Structural Plastic Lumber, Add	*12.44*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*2.02*	
		For White Color, Add	*4.20*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*8.74*	
		For >500, Deduct	*-3.36*	
06 51 13 00-0059	LF	6" x 8", Other Shapes, Recycled Plastic Lumber	50.38	2.11
		For Reinforced Structural Plastic Lumber, Add	*17.53*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*2.84*	
		For White Color, Add	*5.92*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*12.32*	
		For >500, Deduct	*-4.74*	
06 51 13 00-0060	LF	6" x 12", Other Shapes, Recycled Plastic Lumber	71.31	2.34
		For Reinforced Structural Plastic Lumber, Add	*25.15*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*4.08*	
		For White Color, Add	*8.50*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*17.67*	
		For >500, Deduct	*-6.80*	
06 51 13 00-0061	LF	8" x 8", Other Shapes, Recycled Plastic Lumber	63.36	2.25
		For Reinforced Structural Plastic Lumber, Add	*22.26*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*3.61*	
		For White Color, Add	*7.52*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*15.64*	
		For >500, Deduct	*-6.02*	
06 51 13 00-0062	LF	8" x 10", Other Shapes, Recycled Plastic Lumber	108.66	2.34
		For Reinforced Structural Plastic Lumber, Add	*38.97*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*6.32*	
		For White Color, Add	*13.17*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*27.38*	
		For >500, Deduct	*-10.53*	
06 51 13 00-0063	LF	10" x 10", Other Shapes, Recycled Plastic Lumber	150.96	2.45
		For Reinforced Structural Plastic Lumber, Add	*54.57*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*8.85*	
		For White Color, Add	*18.44*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*38.34*	
		For >500, Deduct	*-14.75*	
06 51 13 00-0064	LF	2" Diameter, Other Shapes, Recycled Plastic Lumber	5.66	0.78
		For Reinforced Structural Plastic Lumber, Add	*1.68*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.27*	
		For White Color, Add	*0.57*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.18*	
06 51 13 00-0065	LF	3-1/2" Diameter, Other Shapes, Recycled Plastic Lumber	16.56	1.00
		For Reinforced Structural Plastic Lumber, Add	*5.59*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.91*	
		For White Color, Add	*1.89*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*3.93*	
06 51 13 00-0066	LF	4" Diameter, Other Shapes, Recycled Plastic Lumber	18.26	1.17
		For Reinforced Structural Plastic Lumber, Add	*6.14*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.00*	
		For White Color, Add	*2.07*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*4.31*	
06 51 13 00-0067	LF	5" Diameter, Other Shapes, Recycled Plastic Lumber	22.61	1.40
		For Reinforced Structural Plastic Lumber, Add	*7.63*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.24*	
		For White Color, Add	*2.58*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*5.36*	
06 51 13 00-0068	LF	6" Diameter, Other Shapes, Recycled Plastic Lumber	50.46	1.64
		For Reinforced Structural Plastic Lumber, Add	*17.80*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*2.89*	
		For White Color, Add	*6.02*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*12.51*	
06 51 13 00-0069	SF	1/8" Thick, Other Shapes, Recycled Plastic Sheeting	4.51	0.85
06 51 13 00-0070	SF	1/4" Thick, Other Shapes, Recycled Plastic Sheeting	6.69	0.89
06 51 13 00-0071	SF	3/8" Thick, Other Shapes, Recycled Plastic Sheeting	9.76	0.95
06 51 13 00-0072	SF	1/2" Thick, Other Shapes, Recycled Plastic Sheeting	12.51	0.98

06 51 23 Plastic Channel and Shapes *(06 51)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 23 00-0001		**Channel** *(06 51 23)*		
06 51 23 00-0002	LF	1-5/8" x 1-5/8" Plastic Polyester Channel (B-Line BFP22)	18.05	2.49
06 51 23 00-0003	LF	1-5/8" x 1-5/8" Plastic Polyester Channel (B-Line BFP22H1-7/8)	32.46	2.49
06 51 23 00-0004	LF	1-5/8" x 1-5/8" Plastic Polyester Channel (B-Line BFP22SH)	32.46	2.49
06 51 23 00-0005	LF	1-5/8" x 1-5/8" Plastic Polyester Channel (B-Line BFP22A)	42.07	2.49
06 51 23 00-0006	LF	1-5/8" x 1-5/8" Vinyl Ester Resin Channel (B-Line BFV22)	22.28	2.49
06 51 23 00-0007	LF	1-5/8" x 1-5/8" Vinyl Ester Resin Channel (B-Line BFV22H1-7/8)	36.88	2.49
06 51 23 00-0008	LF	1-5/8" x 1-5/8" Vinyl Ester Resin Channel (B-Line BFV22SH)	36.88	2.49
06 51 23 00-0009	LF	1-5/8" x 1-5/8" Vinyl Ester Resin Channel (B-Line BFV22A)	46.11	2.49
06 51 23 00-0010	LF	1-5/8" x 1" Plastic Polyester Channel (B-Line BFP42)	18.24	2.49
06 51 23 00-0011	LF	1-5/8" x 1" Plastic Polyester Channel (B-Line BFP42H1-7/8)	28.43	2.49
06 51 23 00-0012	LF	1-5/8" x 1" Plastic Polyester Channel (B-Line BFP42SH)	28.43	2.49
06 51 23 00-0013	LF	1-5/8" x 1" Plastic Polyester Channel (B-Line BFP42A)	38.03	2.49
06 51 23 00-0014	LF	1-5/8" x 1" Vinyl Ester Resin Channel (B-Line BFV42)	21.89	2.49
06 51 23 00-0015	LF	1-5/8" x 1" Vinyl Ester Resin Channel (B-Line BFV42H1-7/8)	32.46	2.49
06 51 23 00-0016	LF	1-5/8" x 1" Vinyl Ester Resin Channel (B-Line BFV42SH)	32.46	2.49
06 51 23 00-0017	LF	1-5/8" x 1" Vinyl Ester Resin Channel (B-Line BFV42A)	39.76	2.49

06 51 33 Carbon Fiber Plates *(06 51)*

06 51 33 00-0001		**Carbon Fiber Plates** *(06 51 33)* Note: Outer Material: 2x2 Twill Carbon Fiber Prepreg, Inner Material: 0/90 (Balanced) Unidirectional Carbon Fiber Prepreg, Exterior Finish: Matte/Matte		
06 51 33 00-0002	EA	6" x 6", 0.039" Thickness, Carbon Fiber Plates	19.88	
06 51 33 00-0003	EA	6" x 12", 0.039" Thickness, Carbon Fiber Plates	31.38	
06 51 33 00-0004	EA	6" x 24", 0.039" Thickness, Carbon Fiber Plates	54.28	
06 51 33 00-0005	EA	12" x 12", 0.039" Thickness, Carbon Fiber Plates	54.28	
06 51 33 00-0006	EA	12" x 24", 0.039" Thickness, Carbon Fiber Plates	96.89	
06 51 33 00-0007	EA	12" x 48", 0.039" Thickness, Carbon Fiber Plates	179.86	
06 51 33 00-0008	EA	24" x 24", 0.039" Thickness, Carbon Fiber Plates	180.42	
06 51 33 00-0009	EA	24" x 48", 0.039" Thickness, Carbon Fiber Plates	343.83	
06 51 33 00-0010	EA	38" x 48", 0.039" Thickness, Carbon Fiber Plates	516.26	
06 51 33 00-0011	EA	38" x 96", 0.039" Thickness, Carbon Fiber Plates	1,028.72	
06 51 33 00-0012	EA	6" x 6", 1/16" Thickness, Carbon Fiber Plates	24.94	
06 51 33 00-0013	EA	6" x 12", 1/16" Thickness, Carbon Fiber Plates	44.04	
06 51 33 00-0014	EA	6" x 24", 1/16" Thickness, Carbon Fiber Plates	75.80	
06 51 33 00-0015	EA	12" x 12", 1/16" Thickness, Carbon Fiber Plates	75.80	
06 51 33 00-0016	EA	12" x 24", 1/16" Thickness, Carbon Fiber Plates	134.87	
06 51 33 00-0017	EA	12" x 48", 1/16" Thickness, Carbon Fiber Plates	254.56	
06 51 33 00-0018	EA	24" x 24", 1/16" Thickness, Carbon Fiber Plates	255.12	
06 51 33 00-0019	EA	24" x 48", 1/16" Thickness, Carbon Fiber Plates	483.09	
06 51 33 00-0020	EA	38" x 48", 1/16" Thickness, Carbon Fiber Plates	731.48	
06 51 33 00-0021	EA	38" x 96", 1/16" Thickness, Carbon Fiber Plates	1,459.16	
06 51 33 00-0022	EA	6" x 6", 0.079" Thickness, Carbon Fiber Plates	30.01	
06 51 33 00-0023	EA	6" x 12", 0.079" Thickness, Carbon Fiber Plates	49.11	
06 51 33 00-0024	EA	6" x 24", 0.079" Thickness, Carbon Fiber Plates	87.20	
06 51 33 00-0025	EA	12" x 12", 0.079" Thickness, Carbon Fiber Plates	87.20	
06 51 33 00-0026	EA	12" x 24", 0.079" Thickness, Carbon Fiber Plates	174.12	
06 51 33 00-0027	EA	12" x 48", 0.079" Thickness, Carbon Fiber Plates	333.05	
06 51 33 00-0028	EA	24" x 24", 0.079" Thickness, Carbon Fiber Plates	333.61	
06 51 33 00-0029	EA	24" x 48", 0.079" Thickness, Carbon Fiber Plates	552.72	
06 51 33 00-0030	EA	38" x 48", 0.079" Thickness, Carbon Fiber Plates	840.36	
06 51 33 00-0031	EA	38" x 96", 0.079" Thickness, Carbon Fiber Plates	1,665.52	
06 51 33 00-0032	EA	6" x 6", 3/32" Thickness, Carbon Fiber Plates	33.81	
06 51 33 00-0033	EA	6" x 12", 3/32" Thickness, Carbon Fiber Plates	57.97	
06 51 33 00-0034	EA	6" x 24", 3/32" Thickness, Carbon Fiber Plates	96.06	
06 51 33 00-0035	EA	12" x 12", 3/32" Thickness, Carbon Fiber Plates	96.06	
06 51 33 00-0036	EA	12" x 24", 3/32" Thickness, Carbon Fiber Plates	176.65	
06 51 33 00-0037	EA	12" x 48", 3/32" Thickness, Carbon Fiber Plates	331.78	
06 51 33 00-0038	EA	24" x 24", 3/32" Thickness, Carbon Fiber Plates	332.34	
06 51 33 00-0039	EA	24" x 48", 3/32" Thickness, Carbon Fiber Plates	635.01	
06 51 33 00-0040	EA	38" x 48", 3/32" Thickness, Carbon Fiber Plates	960.63	
06 51 33 00-0041	EA	38" x 96", 3/32" Thickness, Carbon Fiber Plates	1,914.92	
06 51 33 00-0042	EA	6" x 6", 0.119" Thickness, Carbon Fiber Plates	38.87	
06 51 33 00-0043	EA	6" x 12", 0.119" Thickness, Carbon Fiber Plates	70.63	
06 51 33 00-0044	EA	6" x 24", 0.119" Thickness, Carbon Fiber Plates	113.78	
06 51 33 00-0045	EA	12" x 12", 0.119" Thickness, Carbon Fiber Plates	113.78	
06 51 33 00-0046	EA	12" x 24", 0.119" Thickness, Carbon Fiber Plates	204.50	
06 51 33 00-0047	EA	12" x 48", 0.119" Thickness, Carbon Fiber Plates	390.02	
06 51 33 00-0048	EA	24" x 24", 0.119" Thickness, Carbon Fiber Plates	390.58	
06 51 33 00-0049	EA	24" x 48", 0.119" Thickness, Carbon Fiber Plates	741.35	
06 51 33 00-0050	EA	38" x 48", 0.119" Thickness, Carbon Fiber Plates	1,123.94	
06 51 33 00-0051	EA	38" x 96", 0.119" Thickness, Carbon Fiber Plates	2,237.75	
06 51 33 00-0052	EA	6" x 6", 1/8" Thickness, Carbon Fiber Plates	37.60	
06 51 33 00-0053	EA	6" x 12", 1/8" Thickness, Carbon Fiber Plates	66.83	
06 51 33 00-0054	EA	6" x 24", 1/8" Thickness, Carbon Fiber Plates	113.78	
06 51 33 00-0055	EA	12" x 12", 1/8" Thickness, Carbon Fiber Plates	113.78	
06 51 33 00-0056	EA	12" x 24", 1/8" Thickness, Carbon Fiber Plates	190.57	
06 51 33 00-0057	EA	12" x 48", 1/8" Thickness, Carbon Fiber Plates	369.76	
06 51 33 00-0058	EA	24" x 24", 1/8" Thickness, Carbon Fiber Plates	370.32	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 33 00-0059	EA	24" x 48", 1/8" Thickness, Carbon Fiber Plates	703.37	
06 51 33 00-0060	EA	38" x 48", 1/8" Thickness, Carbon Fiber Plates	1,111.28	
06 51 33 00-0061	EA	38" x 96", 1/8" Thickness, Carbon Fiber Plates	2,173.18	
06 51 33 00-0062	EA	6" x 6", 0.157" Thickness, Carbon Fiber Plates	46.47	
06 51 33 00-0063	EA	6" x 12", 0.157" Thickness, Carbon Fiber Plates	92.15	
06 51 33 00-0064	EA	6" x 24", 0.157" Thickness, Carbon Fiber Plates	139.10	
06 51 33 00-0065	EA	12" x 12", 0.157" Thickness, Carbon Fiber Plates	139.10	
06 51 33 00-0066	EA	12" x 24", 0.157" Thickness, Carbon Fiber Plates	241.21	
06 51 33 00-0067	EA	12" x 48", 0.157" Thickness, Carbon Fiber Plates	459.65	
06 51 33 00-0068	EA	24" x 24", 0.157" Thickness, Carbon Fiber Plates	460.21	
06 51 33 00-0069	EA	24" x 48", 0.157" Thickness, Carbon Fiber Plates	880.61	
06 51 33 00-0070	EA	38" x 48", 0.157" Thickness, Carbon Fiber Plates	1,334.10	
06 51 33 00-0071	EA	38" x 96", 0.157" Thickness, Carbon Fiber Plates	2,661.86	
06 51 33 00-0072	EA	6" x 6", 3/16" Thickness, Carbon Fiber Plates	52.80	
06 51 33 00-0073	EA	6" x 12", 3/16" Thickness, Carbon Fiber Plates	94.68	
06 51 33 00-0074	EA	6" x 24", 3/16" Thickness, Carbon Fiber Plates	159.36	
06 51 33 00-0075	EA	12" x 12", 3/16" Thickness, Carbon Fiber Plates	159.36	
06 51 33 00-0076	EA	12" x 24", 3/16" Thickness, Carbon Fiber Plates	274.13	
06 51 33 00-0077	EA	12" x 48", 3/16" Thickness, Carbon Fiber Plates	529.28	
06 51 33 00-0078	EA	24" x 24", 3/16" Thickness, Carbon Fiber Plates	529.84	
06 51 33 00-0079	EA	24" x 48", 3/16" Thickness, Carbon Fiber Plates	1,007.21	
06 51 33 00-0080	EA	38" x 48", 3/16" Thickness, Carbon Fiber Plates	1,524.00	
06 51 33 00-0081	EA	38" x 96", 3/16" Thickness, Carbon Fiber Plates	3,029.00	
06 51 33 00-0082	EA	6" x 6", 0.197" Thickness, Carbon Fiber Plates	54.06	
06 51 33 00-0083	EA	6" x 12", 0.197" Thickness, Carbon Fiber Plates	101.01	
06 51 33 00-0084	EA	6" x 24", 0.197" Thickness, Carbon Fiber Plates	173.29	
06 51 33 00-0085	EA	12" x 12", 0.197" Thickness, Carbon Fiber Plates	151.76	
06 51 33 00-0086	EA	12" x 24", 0.197" Thickness, Carbon Fiber Plates	304.51	
06 51 33 00-0087	EA	12" x 48", 0.197" Thickness, Carbon Fiber Plates	534.34	
06 51 33 00-0088	EA	24" x 24", 0.197" Thickness, Carbon Fiber Plates	534.90	
06 51 33 00-0089	EA	24" x 48", 0.197" Thickness, Carbon Fiber Plates	1,014.81	
06 51 33 00-0090	EA	38" x 48", 0.197" Thickness, Carbon Fiber Plates	1,541.72	
06 51 33 00-0091	EA	38" x 96", 0.197" Thickness, Carbon Fiber Plates	3,060.65	
06 51 33 00-0092	EA	6" x 6", 1/4" Thickness, Carbon Fiber Plates	62.92	
06 51 33 00-0093	EA	6" x 12", 1/4" Thickness, Carbon Fiber Plates	113.67	
06 51 33 00-0094	EA	6" x 24", 1/4" Thickness, Carbon Fiber Plates	189.74	
06 51 33 00-0095	EA	12" x 12", 1/4" Thickness, Carbon Fiber Plates	189.74	
06 51 33 00-0096	EA	12" x 24", 1/4" Thickness, Carbon Fiber Plates	342.49	
06 51 33 00-0097	EA	12" x 48", 1/4" Thickness, Carbon Fiber Plates	654.61	
06 51 33 00-0098	EA	24" x 24", 1/4" Thickness, Carbon Fiber Plates	655.17	
06 51 33 00-0099	EA	24" x 48", 1/4" Thickness, Carbon Fiber Plates	1,247.75	
06 51 33 00-0100	EA	38" x 48", 1/4" Thickness, Carbon Fiber Plates	1,896.20	
06 51 33 00-0101	EA	38" x 96", 1/4" Thickness, Carbon Fiber Plates	3,768.34	

06 52 Plastic Structural Assemblies *(06 50)*

06 52 13 Plastic Columns *(06 52)*

06 52 13 00-0001 Round Fiberglass Columns *(06 52 13)*

06 52 13 00-0002	LF	6" Diameter, Round Fiberglass Column	19.24	7.21
06 52 13 00-0003	LF	8" Diameter, Round Fiberglass Column	27.31	10.47
06 52 13 00-0004	LF	10" Diameter, Round Fiberglass Column	31.53	11.79
06 52 13 00-0005	LF	12" Diameter, Round Fiberglass Column	37.94	12.33
06 52 13 00-0006	LF	15" Diameter, Round Fiberglass Column	45.93	14.24
06 52 13 00-0007	EA	6" Diameter, Base And Cap For Round Fiberglass Columns	36.93	13.65
06 52 13 00-0008	EA	8" Diameter, Base And Cap For Round Fiberglass Columns	40.75	14.74
06 52 13 00-0009	EA	10" Diameter, Base And Cap For Round Fiberglass Columns	47.57	16.37
06 52 13 00-0010	EA	12" Diameter, Base And Cap For Round Fiberglass Columns	63.42	17.47
06 52 13 00-0011	EA	15" Diameter, Base And Cap For Round Fiberglass Columns	83.84	19.10

06 52 13 00-0012 Fluted Fiberglass Columns *(06 52 13)*

06 52 13 00-0013	LF	6" Diameter, Fluted Fiberglass Column	20.19	7.21
06 52 13 00-0014	LF	8" Diameter, Fluted Fiberglass Column	28.57	10.47
06 52 13 00-0015	LF	10" Diameter, Fluted Fiberglass Column	33.13	11.79
06 52 13 00-0016	LF	12" Diameter, Fluted Fiberglass Column	40.62	12.33
06 52 13 00-0017	LF	15" Diameter, Fluted Fiberglass Column	49.42	14.30
06 52 13 00-0018	EA	6" Diameter, Base And Cap For Fluted Fiberglass Columns	38.86	13.65
06 52 13 00-0019	EA	8" Diameter, Base And Cap For Fluted Fiberglass Columns	43.00	14.74
06 52 13 00-0020	EA	10" Diameter, Base And Cap For Fluted Fiberglass Columns	50.54	16.37
06 52 13 00-0021	EA	12" Diameter, Base And Cap For Fluted Fiberglass Columns	69.11	17.47
06 52 13 00-0022	EA	15" Diameter, Base And Cap For Fluted Fiberglass Columns	92.96	19.10

06 52 13 00-0023 Ornamental Or Decorative Cap And Base For Fiberglass Columns *(06 52 13)*

06 52 13 00-0024	EA	8" Roman Ionic Cap And Base For Fiberglass Columns	134.81	16.37
06 52 13 00-0025	EA	10" Roman Ionic Cap And Base For Fiberglass Columns	178.37	19.10
06 52 13 00-0026	EA	12" Roman Ionic Cap And Base For Fiberglass Columns	227.11	21.83
06 52 13 00-0027	EA	8" Scamozzi Cap And Base For Fiberglass Columns	158.71	16.37
06 52 13 00-0028	EA	10" Scamozzi Cap And Base For Fiberglass Columns	190.65	19.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 52 13 00-0029	EA	12" Scamozzi Cap And Base For Fiberglass Columns	274.91	21.83
06 52 13 00-0030	EA	8" Corinthian Cap And Base For Fiberglass Columns	197.47	16.37
06 52 13 00-0031	EA	10" Corinthian Cap And Base For Fiberglass Columns	239.09	19.10
06 52 13 00-0032	EA	12" Corinthian Cap And Base For Fiberglass Columns	314.96	21.83
06 52 13 00-0033	EA	8" Temple Of Winds Cap And Base For Fiberglass Columns	136.75	16.37
06 52 13 00-0034	EA	10" Temple Of Winds Cap And Base For Fiberglass Columns	182.25	19.10
06 52 13 00-0035	EA	12" Temple Of Winds Cap And Base For Fiberglass Columns	230.99	21.83
06 52 13 00-0036	EA	8" Greek Erectheum Cap And Base For Fiberglass Columns	136.75	16.37
06 52 13 00-0037	EA	10" Greek Erectheum Cap And Base For Fiberglass Columns	164.16	19.10
06 52 13 00-0038	EA	12" Greek Erectheum Cap And Base For Fiberglass Columns	214.84	21.83

06 53 Plastic Decking *(06 50)*

06 53 16 Plastic Stair Treads *(06 53)*

06 53 16 00-0001 Fiberglass Reinforced Plastic Stair Treads *(06 53 16)*

Note: Includes standard colors and anchors. Excludes stringers.

06 53 16 00-0002	LF	1" Thick, 12" Wide, Fiberglass Reinforced Plastic Stair Tread With Safety Nosing, Excluding Stringer	49.08	2.81
06 53 16 00-0003	LF	1-1/2" Thick, 12" Wide, Fiberglass Reinforced Plastic Stair Tread With Safety Nosing, Excluding Stringer	66.62	3.37
06 53 16 00-0004	LF	2" Thick, 12" Wide, Fiberglass Reinforced Plastic Stair Tread With Safety Nosing, Excluding Stringer	90.69	3.72

06 60 Plastic Fabrications *(06)*

06 65 Plastic Trim *(06 60)*

06 65 00 00-0001 Plastic Moldings *(06 65)*

Note: All dimensions are nominal.

06 65 00 00-0002 Base, Plastic Moldings *(06 65 00 00-0001)*

06 65 00 00-0003	LF	3-1/2" High, Base, Plastic Molding	6.50	2.20
06 65 00 00-0004	LF	4-1/2" High, Base, Plastic Molding	7.93	2.76
06 65 00 00-0005	LF	3/4" x 1", Base Shoe, Plastic Molding	6.03	2.32

06 65 00 00-0006 Cornice, Plastic Moldings *(06 65 00 00-0001)*

06 65 00 00-0007	LF	1" x 2" Cornice, Plastic Molding	5.97	2.20
06 65 00 00-0008	LF	1" x 4" Cornice, Plastic Molding	7.42	2.32
06 65 00 00-0009	LF	1" x 6" Cornice, Plastic Molding	10.18	2.43
06 65 00 00-0010	LF	1" x 8" Cornice, Plastic Molding	11.68	2.54
06 65 00 00-0011	LF	1" x 10" Cornice, Plastic Molding	13.44	2.65
06 65 00 00-0012	LF	1" x 12" Cornice, Plastic Molding	17.18	2.76

06 65 00 00-0013 Crown Or Bed, Plastic Moldings *(06 65 00 00-0001)*

06 65 00 00-0014	LF	9/16" x 1-5/8" Crown Or Bed, Plastic Molding	10.67	2.20
06 65 00 00-0015	LF	9/16" x 2-1/4" Crown Or Bed, Plastic Molding	14.29	2.76
06 65 00 00-0016	LF	9/16" x 3-1/2" Crown Or Bed, Plastic Molding	14.89	2.76
06 65 00 00-0017	LF	9/16" x 3-5/8" Crown Or Bed, Plastic Molding	15.49	2.76
06 65 00 00-0018	LF	5/8" x 4-1/4" Crown Or Bed, Plastic Molding	20.20	3.31
06 65 00 00-0019	LF	11/16" x 4-5/8" Crown Or Bed, Plastic Molding	23.94	3.31

06 65 00 00-0020 Dentil, Plastic Moldings *(06 65 00 00-0001)*

06 65 00 00-0021	LF	11/16" x 1-3/8" Dentil, Plastic Molding	9.08	2.20
06 65 00 00-0022	LF	5/8" x 2-1/2" Dentil, Plastic Molding	10.22	2.20
06 65 00 00-0023	LF	1-3/8" x 3-3/8" Dentil, Plastic Molding	12.79	2.20
06 65 00 00-0024	LF	1-1/2" x 4-1/2" Dentil, Plastic Molding	17.23	2.20

06 65 00 00-0025 Cove, Plastic Moldings *(06 65 00 00-0001)*

06 65 00 00-0026	LF	3/8" x 3/8" Cove, Plastic Molding	3.47	1.22
06 65 00 00-0027	LF	1/2" x 1/2" Cove, Plastic Molding	3.77	1.22
06 65 00 00-0028	LF	5/8" x 5/8" Cove, Plastic Molding	4.97	1.43
06 65 00 00-0029	LF	3/4" x 3/4" Cove, Plastic Molding	4.97	1.43
06 65 00 00-0030	LF	15/16" x 15/16" Cove, Plastic Molding	6.31	1.43
06 65 00 00-0031	LF	9/16" x 1-3/4" Cove, Plastic Molding	8.25	1.65
06 65 00 00-0032	LF	11/16" x 2-3/4" Cove, Plastic Molding	11.07	1.65

06 65 00 00-0033 Chair Rail, Plastic Moldings *(06 65 00 00-0001)*

06 65 00 00-0034	LF	1/2" x 1-5/8" Chair Rail, Plastic Molding	5.81	1.65
06 65 00 00-0035	LF	5/8" x 2-1/2" Chair Rail, Plastic Molding	7.83	2.20
06 65 00 00-0036	LF	5/8" x 3-1/2" Chair Rail, Plastic Molding	9.57	2.20

06 65 00 00-0037 Door, Plastic Moldings *(06 65 00 00-0001)*

06 65 00 00-0038	LF	1-1/8" Wide, Door, Plastic Molding	5.00	1.98
06 65 00 00-0039	LF	1-1/8" Wide, Detailed Door, Plastic Molding	5.04	1.98

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LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 65 00 00-0040		**Trim, Plastic Moldings** *(06 65 00 00-0001)*		
06 65 00 00-0041	LF	1/2" x 1/2" Quarter Round Trim, Plastic Molding	5.25	2.32
06 65 00 00-0042	LF	3/4" x 3/4" Quarter Round Trim, Plastic Molding	6.98	2.32
06 65 00 00-0043	LF	1-1/4" x 2" Brick Mould, Plastic Molding	6.89	2.20
06 65 00 00-0044	LF	1-17/32" x 1-1/2" x 1-3/8" Sill Nose, Plastic Molding	8.05	2.20
06 65 00 00-0045	LF	11/16" x 1-5/8" Drip Cap, Plastic Molding	5.76	2.20
06 65 00 00-0046	LF	2-3/4" x 2" Water Table, Plastic Molding	8.89	2.20
06 65 00 00-0047	LF	3/8" x 2" Garage Door Stop, Plastic Molding	6.40	2.20
06 65 00 00-0048		**Extruded Polyvinyl Chloride (PVC) Trimboard** *(06 65)*		
		Note: As manufactured by Azek or Kleer. All dimensions are nominal.		
06 65 00 00-0049	LF	1" x 4" Extruded Polyvinyl Chloride (PVC) Trimboard	4.42	0.89
06 65 00 00-0050	LF	1" x 6" Extruded Polyvinyl Chloride (PVC) Trimboard	6.39	1.00
06 65 00 00-0051	LF	1" x 8" Extruded Polyvinyl Chloride (PVC) Trimboard	8.39	1.11
06 65 00 00-0052	LF	1" x 10" Extruded Polyvinyl Chloride (PVC) Trimboard	10.15	1.13
06 65 00 00-0053	LF	1" x 12" Extruded Polyvinyl Chloride (PVC) Trimboard	12.07	1.16
06 65 00 00-0054	LF	5/4" x 4" Extruded Polyvinyl Chloride (PVC) Trimboard	5.46	0.89
06 65 00 00-0055	LF	5/4" x 6" Extruded Polyvinyl Chloride (PVC) Trimboard	7.98	1.00
06 65 00 00-0056	LF	5/4" x 8" Extruded Polyvinyl Chloride (PVC) Trimboard	10.17	1.11
06 65 00 00-0057	LF	5/4" x 10" Extruded Polyvinyl Chloride (PVC) Trimboard	12.59	1.13
06 65 00 00-0058	LF	5/4" x 12" Extruded Polyvinyl Chloride (PVC) Trimboard	14.79	1.16
06 65 00 00-0059	LF	3-1/2" x 3-1/2" Extruded Polyvinyl Chloride (PVC) Corner Board	12.02	1.13
06 65 00 00-0060	LF	5-1/2" x 5-1/2" Extruded Polyvinyl Chloride (PVC) Corner Board	16.01	1.16
06 65 00 00-0061	SF	1/2" Smooth/Wood Grain Reversible Extruded Polyvinyl Chloride (PVC) Sheets	8.39	1.00
06 65 00 00-0062	SF	3/4" Smooth/Wood Grain Reversible Extruded Polyvinyl Chloride (PVC) Sheets	12.13	1.11

06 70 Structural Composites *(06)*

06 74 Composite Gratings *(06 70)*

06 74 13 Fiberglass Reinforced Gratings *(06 74)*

06 74 13 00-0001		**Molded Fiberglass Gratings And Coverings** *(06 74 13)*		
06 74 13 00-0002		**Vi-Corr Resin System** *(06 74 13 00-0001)*		
		Note: Orange or dark gray.		
06 74 13 00-0003	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, Vi-Corr Resin, Meniscus Top	46.36	2.02
06 74 13 00-0004	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Meniscus Top	45.02	2.02
06 74 13 00-0005	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Meniscus Top	58.83	2.02
06 74 13 00-0006	SF	2" Molded Fiberglass Grate, 2" x 2" Mesh, Vi-Corr Resin, Meniscus Top	63.67	2.59
06 74 13 00-0007	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, Vi-Corr Resin, Applied Grit Top	48.66	2.02
06 74 13 00-0008	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Applied Grit Top	47.28	2.02
06 74 13 00-0009	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Applied Grit Top	62.16	2.02
06 74 13 00-0010	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, Vi-Corr Resin, Applied Grit Top	66.80	2.59
06 74 13 00-0011	SF	1/4" Vi-Corr Resin Polyester Resin, Fiberplate Covering	43.96	1.62
06 74 13 00-0012	SF	1/2" Vi-Corr Resin Polyester Resin, Fiberplate Covering	71.32	1.78
06 74 13 00-0013	SF	3/4 Vi-Corr Resin Polyester Resin, Fiberplate Covering	97.80	1.96
06 74 13 00-0014		**IFR Fire Retardant Isophthalic Resin** *(06 74 13 00-0001)*		
06 74 13 00-0015	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	42.62	2.02
06 74 13 00-0016	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	39.90	2.02
06 74 13 00-0017	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	51.42	2.02
06 74 13 00-0018	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	55.44	2.59
06 74 13 00-0019	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	44.50	2.02
06 74 13 00-0020	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	40.97	2.02
06 74 13 00-0021	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	55.84	2.59
06 74 13 00-0022	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	58.54	2.59
06 74 13 00-0023	SF	1/4" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering	38.73	1.62
06 74 13 00-0024	SF	1/2" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering	54.89	1.78
06 74 13 00-0025	SF	3/4" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering	75.47	1.96
06 74 13 00-0026		**Corvex Polyester Resin** *(06 74 13 00-0001)*		
		Note: Dark gray.		
06 74 13 00-0027	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, Corvex Polyester Resin, Meniscus Top	36.12	2.02
06 74 13 00-0028	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Meniscus Top	34.68	2.02
06 74 13 00-0029	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Meniscus Top	42.10	2.02
06 74 13 00-0030	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, Corvex Polyester Resin, Meniscus Top	48.37	2.59
06 74 13 00-0031	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, Corvex Polyester Resin, Applied Grit Top	38.51	2.02
06 74 13 00-0032	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Applied Grit Top	37.05	2.02
06 74 13 00-0033	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Applied Grit Top	44.87	2.02
06 74 13 00-0034	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, Corvex Polyester Resin, Applied Grit Top	50.74	2.59
06 74 13 00-0035	SF	1/4" Corvex Polyester Resin, Fiberplate Covering	34.17	1.62
06 74 13 00-0036	SF	1/2" Corvex Polyester Resin, Fiberplate Covering	54.65	1.78
06 74 13 00-0037	SF	3/4" Corvex Polyester Resin, Fiberplate Covering	75.86	1.96

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 74 13 00-0038		**XFR Extra Fire Retardant** *(06 74 13 00-0001)*		
06 74 13 00-0039	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, XFR Extra Fire Retardant, Meniscus Top	53.27	2.02
06 74 13 00-0040	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Meniscus Top	51.71	2.02
06 74 13 00-0041	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Meniscus Top	70.89	2.02
06 74 13 00-0042	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, XFR Extra Fire Retardant, Meniscus Top	75.69	2.59
06 74 13 00-0043	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh XFR Extra Fire Retardant, Applied Grit Top	55.61	2.02
06 74 13 00-0044	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Applied Grit Top	54.08	2.02
06 74 13 00-0045	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Applied Grit Top	73.66	2.02
06 74 13 00-0046	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, XFR Extra Fire Retardant, Applied Grit Top	79.05	2.59
06 74 13 00-0047	SF	1/4" XFR Extra Fire Retardant Resin, Fiberplate Covering	50.39	1.62
06 74 13 00-0048	SF	1/2" XFR Extra Fire Retardant Resin, Fiberplate Covering	81.61	1.78
06 74 13 00-0049		**ELS Extremely Low Smoke Resin** *(06 74 13 00-0001)*		
06 74 13 00-0050	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, ELS Extremity Low Smoke Resin, Meniscus Top	54.64	2.02
06 74 13 00-0051	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Meniscus Top	52.98	2.02
06 74 13 00-0052	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Meniscus Top	68.98	2.02
06 74 13 00-0053	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, ELS Extremity Low Smoke Resin, Meniscus Top	73.89	2.59
06 74 13 00-0054	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top	56.80	2.02
06 74 13 00-0055	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top	55.44	2.02
06 74 13 00-0056	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top	71.65	2.02
06 74 13 00-0057	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top	76.59	2.59
06 74 13 00-0058	SF	1/4" ELS Extremity Low Smoke Resin, Fiberplate Covering	56.35	1.62
06 74 13 00-0059	SF	1/2 ELS Extremity Low Smoke Resin, Fiberplate Covering	101.76	1.78
06 74 13 00-0060		**Pultruded Fiberglass Grating** *(06 74 13)*		
06 74 13 00-0061		**ISOFR Isophthalic Polyester Resin System** *(06 74 13 00-0060)*		
		Note: For moderately corrosive environments, green.		
06 74 13 00-0062		**1" ISOFR Isophthalic Polyester Resin System** *(06 74 13 00-0061)*		
06 74 13 00-0063	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	38.77	2.59
06 74 13 00-0064	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	34.37	2.02
06 74 13 00-0065	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	43.88	2.59
06 74 13 00-0066	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	40.55	2.02
06 74 13 00-0067	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 38% Open, ISOFR Isophthalic Polyester Resin	30.18	2.59
06 74 13 00-0068	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 38% Open, ISOFR Isophthalic Polyester Resin	26.69	2.02
06 74 13 00-0069	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	34.61	2.59
06 74 13 00-0070	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	31.22	2.02
06 74 13 00-0071		**1-1/2" ISOFR Isophthalic Polyester Resin System** *(06 74 13 00-0061)*		
06 74 13 00-0072	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	43.83	2.59
06 74 13 00-0073	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	39.55	2.02
06 74 13 00-0074	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	49.30	2.59
06 74 13 00-0075	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	46.24	2.02
06 74 13 00-0076	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	38.49	2.59
06 74 13 00-0077	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	35.10	2.02
06 74 13 00-0078		**2" ISOFR Isophthalic Polyester Resin System** *(06 74 13 00-0061)*		
06 74 13 00-0079	SF	2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	37.92	2.59
06 74 13 00-0080	SF	2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	42.01	2.59
06 74 13 00-0081	SF	2" Pultruded Fiberglass Grate, 6" Bar Space, 33% Open, ISOFR Isophthalic Polyester Resin	50.87	2.59
06 74 13 00-0082	SF	2" Pultruded Fiberglass Grate, 12" Bar Space, 33% Open, ISOFR Isophthalic Polyester Resin	47.97	2.59
06 74 13 00-0083		**VERF Vinyl Ester Resin System** *(06 74 13 00-0060)*		
06 74 13 00-0084		**1" VERF Vinyl Ester Resin System** *(06 74 13 00-0083)*		
06 74 13 00-0085	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VERF Vinyl Ester Resin	41.07	2.02
06 74 13 00-0086	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VERF Vinyl Ester Resin	36.69	2.02
06 74 13 00-0087	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, VERF Vinyl Ester Resin	46.24	2.02
06 74 13 00-0088	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, VERF Vinyl Ester Resin	53.13	2.02
06 74 13 00-0089	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 38% Open, VERF Vinyl Ester Resin	31.44	2.02
06 74 13 00-0090	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 38% Open, VERF Vinyl Ester Resin	28.06	2.02
06 74 13 00-0091	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, VERF Vinyl Ester Resin	36.15	2.02
06 74 13 00-0092	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, VERF Vinyl Ester Resin	33.14	2.02
06 74 13 00-0093		**1-1/2" VERF Vinyl Ester Resin System** *(06 74 13 00-0083)*		
06 74 13 00-0094	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VERF Vinyl Ester Resin	45.13	2.02
06 74 13 00-0095	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VERF Vinyl Ester Resin	40.80	2.02
06 74 13 00-0096	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, VERF Vinyl Ester Resin	51.64	2.02
06 74 13 00-0097	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, VERF Vinyl Ester Resin	48.19	2.02
06 74 13 00-0098	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, VERF Vinyl Ester Resin	40.52	2.02
06 74 13 00-0099	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, VERF Vinyl Ester Resin	37.30	2.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 74 13 00-0100		2" VERF Vinyl Ester Resin System *(06 74 13 00-0083)*		
06 74 13 00-0101	SF	2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VERF Vinyl Ester Resin	39.86	2.59
06 74 13 00-0102	SF	2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VERF Vinyl Ester Resin	36.73	2.59
06 74 13 00-0103	SF	2" Pultruded Fiberglass Grate, 6" Bar Space, 33% Open, VERF Vinyl Ester Resin	53.59	2.59
06 74 13 00-0104	SF	2" Pultruded Fiberglass Grate, 12" Bar Space, 33% Open, VERF Vinyl Ester Resin	52.03	2.59

06 80 Composite Fabrications *(06)*

06 81 Composite Railings *(06 80)*

06 81 13 Glass-Fiber-Reinforced Plastic Railings *(06 81)*

06 81 13 00-0001		Fiberglass Handrail Assemblies *(06 81 13)* Note: Assembly includes posts, rails, kick plates, fasteners and accessories. Not to be used in conjunction with handrail components.		
06 81 13 00-0002	LF	Fiberglass Side Mount Handrail, 2-1/8" Square Tube Posts Up To 42" High, Set 5' On Center, Two Horizontal 1-3/4" Square Tube Rails, 4" Kick Plate, Stainless Steel Fasteners And Accessories Assembly	79.07	22.51
		For Each LF Of Anchoring Posts Into Masonry Or Concrete, Add	*3.00*	
		For Sloped Floor Installation, Add	*6.21*	
		For Stair Installation (Without Kick Plates), Add	*11.56*	
06 81 13 00-0003	LF	Fiberglass Top Mount Handrail, 2-1/8" Square Tube Posts Up To 42" High, Set 5' On Center, Two Horizontal 1-3/4" Square Tube Rails, 4" Kick Plate, Stainless Steel Fasteners And Accessories Assembly	89.61	21.11
06 81 13 00-0004	LF	Fiberglass Handrail For Stairs, 2-1/8" Square Tube Posts Up To 42" High, Set 5' On Center, Two Horizontal 1-3/4" Square Tube Rails, Stainless Steel Fasteners And Accessories Assembly	84.87	28.14
06 81 13 00-0005		Fiberglass Handrail Components *(06 81 13)* Note: This section is only to be used when entire handrail assembly is not required.		
06 81 13 00-0006	LF	Fiberglass Kick Plate (12' Sections) With Splice Kit	18.62	5.63
06 81 13 00-0007	LF	Fiberglass Kick Plate (24' sections) With Splice Kit	16.58	5.63
06 81 13 00-0008	EA	Fiberglass Side Mount Post For Handrail	179.53	33.77
06 81 13 00-0009	EA	Fiberglass Top Mount Post For Handrail With Stainless Steel Base	207.82	22.51
06 81 13 00-0010	LF	Fiberglass Square Tube For Horizontal Handrail, ISOFR 1-3/4" x 1/8" (12' sections)	20.25	6.76
06 81 13 00-0011	LF	Fiberglass Square Tube For Horizontal Handrail, ISOFR 1-3/4" x 1/8" (24' sections)	19.19	6.76
06 81 13 00-0012	LF	Fiberglass Square Tube For Horizontal Handrail, ISOFR 2-1/8" x 3/16" (21' sections)	20.77	6.76

06 82 Composite Trim *(06 80)*

06 82 00 00-0001		Fiberglass Castings *(06 82)*		
06 82 00 00-0002		Fiberglass Angle, Equal Legs *(06 82 00 00-0001)*		
06 82 00 00-0003	LF	1" x 1" x 1/8" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	9.73	3.37
06 82 00 00-0004	LF	1" x 1" x 1/8" Thick Fiberglass Angle, VERF Vinyl Ester Resin	10.22	3.37
06 82 00 00-0005	LF	3" x 3" x 1/4" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	18.41	4.05
06 82 00 00-0006	LF	3" x 3" x 1/4" Thick Fiberglass Angle, VERF Vinyl Ester Resin	20.37	4.05
06 82 00 00-0007	LF	4" x 4" x 1/4" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	20.49	4.05
06 82 00 00-0008	LF	4" x 4" x 1/4" Thick Fiberglass Angle, VERF Vinyl Ester Resin	21.91	4.05
06 82 00 00-0009	LF	4" x 4" x 3/8" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	23.81	4.05
06 82 00 00-0010	LF	4" x 4" x 3/8" Thick Fiberglass Angle, VERF Vinyl Ester Resin	26.84	4.05
06 82 00 00-0011	LF	6" x 6" x 1/2" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	64.71	5.07
06 82 00 00-0012	LF	6" x 6" x 1/2" Thick Fiberglass Angle, VERF Vinyl Ester Resin	74.50	5.07
06 82 00 00-0013		Fiberglass Channels *(06 82 00 00-0001)*		
06 82 00 00-0014	LF	3" x 1" x 1/4" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	11.23	5.07
06 82 00 00-0015	LF	3" x 1" x 1/4" Fiberglass Channel, VERF Vinyl Ester Resin	11.72	5.07
06 82 00 00-0016	LF	4" x 1 1/8" x 1/4" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	23.82	5.74
06 82 00 00-0017	LF	4" x 1 1/8" x 1/4" Fiberglass Channel, VERF Vinyl Ester Resin	23.82	5.74
06 82 00 00-0018	LF	6" x 1 11/16" x 3/8" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	37.56	5.74
06 82 00 00-0019	LF	6" x 1 11/16" x 3/8" Fiberglass Channel, VERF Vinyl Ester Resin	43.74	5.74
06 82 00 00-0020	LF	8" x 2 3/16" x 3/8" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	35.25	5.74
06 82 00 00-0021	LF	8" x 2 3/16" x 3/8" Fiberglass Channel, VERF Vinyl Ester Resin	42.62	5.74
06 82 00 00-0022	LF	10" x 2-3/4" x 1/2" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	53.70	7.88
06 82 00 00-0023	LF	10" x 2-3/4" x 1/2" Fiberglass Channel, VERF Vinyl Ester Resin	61.67	7.88
06 82 00 00-0024		Fiberglass Wide Flange Beams *(06 82 00 00-0001)*		
06 82 00 00-0025	LF	4" x 4" x 1/4"Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	32.53	6.76
06 82 00 00-0026	LF	4" x 4" x 1/4" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin	35.61	6.76
06 82 00 00-0027	LF	6" x 6" x 1/4" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	41.66	8.11
06 82 00 00-0028	LF	6" x 6" x 1/4" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin	43.13	8.11
06 82 00 00-0029	LF	8" x 8" x 3/8" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	67.43	10.13
06 82 00 00-0030	LF	8" x 8" x 3/8" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin	84.83	10.13
06 82 00 00-0031	LF	10" x 10" x 1/2" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	150.62	12.38
06 82 00 00-0032	LF	10" x 10" x 1/2" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin	169.65	12.38
06 82 00 00-0033		Fiberglass Flat Sheet *(06 82 00 00-0001)* Note: Not to be used for bathroom board.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 82 00 00-0034	SF	1/8" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	26.86	5.74
06 82 00 00-0035	SF	1/8" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	28.07	5.74
06 82 00 00-0036	SF	1/4" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	42.40	6.76
06 82 00 00-0037	SF	1/4" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	48.86	6.76
06 82 00 00-0038	SF	3/8" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	57.61	8.11
06 82 00 00-0039	SF	3/8" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	67.32	8.11
06 82 00 00-0040	SF	1/2" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	77.76	10.13
06 82 00 00-0041	SF	1/2" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	92.61	10.13
06 82 00 00-0042		**Fiberglass Bars** *(06 82 00 00-0001)*		
06 82 00 00-0043		**Square Bars** *(06 82 00 00-0042)*		
06 82 00 00-0044	LF	1" Square Fiberglass Solid Square Bar, ISO Isophthalic Polyester Resin	15.93	4.05
06 82 00 00-0045	LF	1-1/4" Square Fiberglass Solid Square Bar, ISO Isophthalic Polyester Resin	22.95	5.96
06 82 00 00-0046	LF	1-1/2" Square Fiberglass Solid Square Bar, ISOFR Isophthalic Polyester Resin	26.94	7.88
06 82 00 00-0047		**Round Bars** *(06 82 00 00-0042)*		
06 82 00 00-0048	LF	1/4" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	10.17	3.37
06 82 00 00-0049	LF	1" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	22.00	5.07
06 82 00 00-0050	LF	1" Diameter Fiberglass Solid Round Bar, VERF Vinyl Ester Resin	24.95	5.07
06 82 00 00-0051	LF	1-1/4" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	33.19	5.07
06 82 00 00-0052	LF	1-1/2" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	39.68	5.74
06 82 00 00-0053		**Fiberglass Tubes** *(06 82 00 00-0001)*		
06 82 00 00-0054		**Square Tube** *(06 82 00 00-0053)*		
06 82 00 00-0055	LF	1" x 1" x 1/8" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin	11.50	3.37
06 82 00 00-0056	LF	1" x 1" x 1/8" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	12.45	3.37
06 82 00 00-0057	LF	2" x 2" x 1/8" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin	17.09	4.05
06 82 00 00-0058	LF	2" x 2" x 1/8" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	18.77	4.05
06 82 00 00-0059	LF	3" x 3" x 1/4" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin	32.83	5.07
06 82 00 00-0060	LF	3" x 3" x 1/4" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	36.71	5.07
06 82 00 00-0061	LF	4" x 4" x 1/4" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin	38.61	6.08
06 82 00 00-0062	LF	4" x 4" x 1/4" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	49.42	6.08
06 82 00 00-0063		**Round Tube** *(06 82 00 00-0053)*		
06 82 00 00-0064	LF	1" Diameter x 1/8" Thick Fiberglass Round Tube, ISOFR Isophthalic Polyester Resin	11.00	3.37
06 82 00 00-0065	LF	1" Diameter x 1/8" Thick Fiberglass Round Tube, VERF Vinyl Ester Resin	11.43	3.37
06 82 00 00-0066	LF	2" Diameter x 1/4" Thick Fiberglass Round Tube, ISOFR Isophthalic Polyester Resin	20.83	4.05
06 82 00 00-0067	LF	2" Diameter x 1/4" Thick Fiberglass Round Tube, VERF Vinyl Ester Resin	22.25	4.05
06 82 00 00-0068		**Fiberglass Threaded Rods** *(06 82 00 00-0001)*		
06 82 00 00-0069	LF	3/8" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	15.04	2.59
06 82 00 00-0070	LF	1/2" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	16.03	2.59
06 82 00 00-0071	LF	5/8" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	18.39	2.93
06 82 00 00-0072	LF	3/4" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	20.30	2.93
06 82 00 00-0073	LF	1" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	22.47	2.93
06 82 00 00-0074		**Grating Support Legs, VEFR Resin** *(06 82 00 00-0001)*		
06 82 00 00-0075	EA	Grating Support Legs, Fixed Height With Base Miscellaneous Fiberglass Castings	14.44	
06 82 00 00-0076	EA	Grate Support Legs Fixed Height Without Base Miscellaneous Fiberglass Castings	6.19	
06 82 00 00-0077	EA	Grating Support Legs, Adjustable To 60" Miscellaneous Fiberglass Castings	23.26	
06 82 00 00-0078		**Fiberglass Netting** *(06 82 00 00-0001)*		
06 82 00 00-0079	SF	1/2" x 1/2" Mesh, Clear Flexible Fiberglass Netting	0.82	0.40
06 82 00 00-0080	SF	1/2" x 2" Mesh, Clear Flexible Fiberglass Netting	0.82	0.40
06 82 00 00-0081	SF	3/4" x 5/8" Mesh, Clear Flexible Fiberglass Netting	0.82	0.40
06 82 00 00-0082	SF	7/8" x 7/8" Mesh, Clear Flexible Fiberglass Netting	0.82	0.40
06 82 00 00-0083	SF	1" x 1" Mesh, Clear Flexible Fiberglass Netting	0.82	0.40
06 82 00 00-0084	SF	1/2" x 1/2" Mesh, Green Flexible Fiberglass Netting	0.81	0.40
06 82 00 00-0085	SF	1/2" x 2" Mesh, Green Flexible Fiberglass Netting	0.81	0.40
06 82 00 00-0086	SF	3/4" x 5/8" Mesh, Green Flexible Fiberglass Netting	0.81	0.40
06 82 00 00-0087	SF	7/8" x 7/8" Mesh, Green Flexible Fiberglass Netting	0.81	0.40
06 82 00 00-0088	SF	1" x 1" Mesh, Green Flexible Fiberglass Netting	0.81	0.40
06 82 00 00-0089		**Fiberglass Stair Treads** *(06 82)*		
06 82 00 00-0090		**Fiberglass Stair Treads** *(06 82 00 00-0089)*		
06 82 00 00-0091		**10-1/2" Deep Isophthalic Resin System** *(06 82 00 00-0090)*		
06 82 00 00-0092	EA	1" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System	113.33	17.68
06 82 00 00-0093	EA	1" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System	132.86	17.68
06 82 00 00-0094	EA	1" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System	152.40	17.68

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 82 00 00-0095	EA	1" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System	171.94	17.68
06 82 00 00-0096	EA	1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System	125.05	17.68
06 82 00 00-0097	EA	1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System	147.51	17.68
06 82 00 00-0098	EA	1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System	169.98	17.68
06 82 00 00-0099	EA	1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System	192.45	17.68
06 82 00 00-0100	EA	2" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System	143.02	17.68
06 82 00 00-0101	EA	2" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System	169.98	17.68
06 82 00 00-0102	EA	2" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System	196.94	17.68
06 82 00 00-0103	EA	2" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System	223.90	17.68
06 82 00 00-0104		12" Deep Isophthalic Resin System *(06 82 00 00-0090)*		
06 82 00 00-0105	EA	1" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System	124.49	17.68
06 82 00 00-0106	EA	1" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System	146.82	17.68
06 82 00 00-0107	EA	1" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System	169.15	17.68
06 82 00 00-0108	EA	1" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System	191.48	17.68
06 82 00 00-0109	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System	137.89	17.68
06 82 00 00-0110	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System	163.57	17.68
06 82 00 00-0111	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System	189.25	17.68
06 82 00 00-0112	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System	214.92	17.68
06 82 00 00-0113	EA	2" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System	158.43	17.68
06 82 00 00-0114	EA	2" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System	189.24	17.68
06 82 00 00-0115	EA	2" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System	220.06	17.68
06 82 00 00-0116	EA	2" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System	250.87	17.68
06 82 00 00-0117		Other Fiberglass *(06 82)*		
06 82 00 00-0118		Fiberglass Splash Blocks *(06 82 00 00-0117)*		
06 82 00 00-0119	EA	Standard Size Fiberglass Splash Block	19.66	3.98

06 83 Composite Paneling *(06 80)*

06 83 16 Fiberglass Reinforced Paneling *(06 83)*

06 83 16 00-0001 Fiberglass Reinforced Polyester (FRP) Panels *(06 83 16)*
Note: Includes adhesive and trim.

06 83 16 00-0002	SF	Fiberglass Reinforced Polyester (FRP) Paneling Note: Including Adhesive And Trim	3.93	2.00

END OF SECTION 06

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 Thermal And Moisture Protection

07 01 Operation and Maintenance of Thermal and Moisture Protection (07)

07 01 50 Maintenance of Membrane Roofing (07 01)

07 01 50 19 Preparation for Re-Roofing (07 01 50)

07 01 50 19-0001 Preparation For Re-Roofing (07 01 50 19)

07 01 50 19-0002	SQ	Removal Of Pea Gravel Ballast From Roof, Vacuum And Disposal	83.79	
07 01 50 19-0003	SQ	Removal Of Gravel Ballast From Roof, Vacuum And Disposal	146.60	

07 01 50 81 Roof Replacement (07 01 50)

07 01 50 81-0001 Roof Repair (07 01 50 81)

Note: Less than 100 SF areas. Excludes mobilization of crew for small quantity of roof work. See CSI section 07 05 13 00-0001 for mobilization of crew for small quantity of roof work.

07 01 50 81-0002	LF	Heat Weld Roofing Seams For Repair	8.14	

07 01 50 81-0003 Emergency Roof Patch (07 01 50 81)

Note: 4 Hour response time.

07 01 50 81-0004	EA	Mobilize For Emergency Roof Patching	774.53	
07 01 50 81-0005	EA	16 SF Granule Emergency Roof Patch Cover	102.74	

07 01 50 81-0006 Adhesives (07 01 50 81)

Note: For repair of seams.

07 01 50 81-0007 Mastic Sealer (07 01 50 81-0006)

07 01 50 81-0008 Applied At Joints Only (07 01 50 81-0007)

07 01 50 81-0009	LF	Mastic Sealer, 1/4" Bead At Joint For Roof Repair	5.10	2.20

07 01 50 91 Roofing Restoration (07 01 50)

07 01 50 91-0001 Pressure Wash Membrane Roofing (07 01 50 91)

07 01 50 91-0002	SF	Up To 2,500 PSI, Pressure Wash Membrane Roofing	0.23
		For Up To 100, Add	*0.17*
		For >100 To 250, Add	*0.08*
		For >250 To 500, Add	*0.03*
		For >5,000 To 10,000, Deduct	*-0.01*
		For >10,000 To 15,000, Deduct	*-0.02*
		For >15,000 To 30,000, Deduct	*-0.03*
		For >30,000, Deduct	*-0.05*

07 01 60 Maintenance of Flashing and Sheet Metal (07 01)

07 01 60 91 Flashing and Sheet Metal Restoration (07 01 60)

07 01 60 91-0001 Re-connecting Downspouts To Gutters (07 01 60 91)

07 01 60 91-0002	EA	Re-connecting Existing Downspouts To Gutter With Fasteners	36.62
07 01 60 91-0003	EA	Re-connecting Existing Downspouts To Gutter By Welding	59.53

07 01 70 Operation and Maintenance of Roof Specialties and Accessories (07 01)

07 01 70 00-0001 Metal Roofing Edge Repair (07 01 70)

07 01 70 00-0002	LF	Cut Existing Metal Roofing Edge, 20 to 26 Gauge	5.08
07 01 70 00-0003	LF	Cut Existing Metal Roofing Edge, 16 to 19 Gauge	6.36
07 01 70 00-0004	LF	Cut Existing Metal Roofing Edge, 11 to 15 Gauge	7.26

07 01 70 00-0005 Metal Roofing Repair (07 01 70)

07 01 70 00-0006	SF	Roof Repair, 24 Gauge Galvanized Metal Standing Seam Roofing, Up To 10 SF	28.50
07 01 70 00-0007	SF	Roof Repair, 24 Gauge Galvanized Metal Standing Seam Roofing, 11 To 25 SF	25.84
07 01 70 00-0008	SF	Roof Repair, 24 Gauge Galvanized Metal Standing Seam Roofing, 25 To 50 SF	23.80
07 01 70 00-0009	SF	Roof Repair, 24 Gauge Galvanized Metal Standing Seam Roofing, 50 To 100 SF	22.36

07 01 70 00-0010 Removal And Reinstallation Of Metal Coping (07 01 70)

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 01 70 00-0011	LF	Removal And Reinstallation Of Metal Coping	10.87	
		For Up To 25 LF, Add	*5.44*	
		For >25 To 100 LF, Add	*2.72*	
		For >1,000 LF, Deduct	*-1.09*	

07 05 Common Work Results for Thermal and Moisture Protection *(07)*

07 05 13 Mobilization Of Crew For Small Quantity Of Roof Work *(07 05)*

07 05 13 00-0001 Mobilization Of Crew For Small Quantity Of Roof Work *(07 05 13)*

Note: For use with all roofing tasks where the total quantity of roof work is 4 squares or less.

07 05 13 00-0002	EA	Up To 1 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	1,551.54
07 05 13 00-0003	EA	>1 To 2 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	1,160.87
07 05 13 00-0004	EA	>2 To 3 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	775.77
07 05 13 00-0005	EA	>3 To 4 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	386.96

07 10 Dampproofing and Waterproofing *(07)*

Note: The following tasks are for application to vertical (walls and foundations) surfaces. For horizontal (flat) surfaces apply the appropriate modifier to reduce the labor cost (where listed). Waterproofing is the treatment of a surface or structure to PREVENT the passage of water under hydrostatic pressure. Dampproofing is the treatment of a surface or structure to RESIST the passage of water in the absence of hydrostatic pressure.

07 11 Dampproofing *(07 10)*

07 11 13 Bituminous Dampproofing *(07 11)*

07 11 13 00-0001 Fibrous Asphalt Dampproofing, Brush, Roller Or Spray *(07 11 13)*

07 11 13 00-0002	CSF	1 Coat, Fibrous Asphalt Dampproofing, Brush, Roller Or Spray	194.42
07 11 13 00-0003	CSF	2 Coats, Brush, Roller Or Spray, Fibrous Asphalt Dampproofing	297.69

07 11 13 00-0004 Fibrous Asphalt Dampproofing, Troweled On *(07 11 13)*

07 11 13 00-0005	CSF	Primer And 1 Coat, Fibrous Asphalt Dampproofing, Troweled On	335.51
07 11 13 00-0006	CSF	Primer And 2 Coats, Troweled On, Fibrous Asphalt Dampproofing	522.40

07 11 13 00-0007 Asphaltic Paint Dampproofing *(07 11 13)*

07 11 13 00-0008	CSF	1 Coat, Asphaltic Paint Dampproofing, Brushed On	155.69
07 11 13 00-0009	CSF	2 Coats, Brushed On, Asphaltic Paint Dampproofing	288.12

07 11 19 Sheet Dampproofing *(07 11)*

07 11 19 00-0001 Neoprene *(07 11 19)*

07 11 19 00-0002	SF	1/16" Patch Neoprene Roof (5 To 20 SF)	41.13

07 13 Sheet Waterproofing *(07 10)*

07 13 13 Bituminous Sheet Waterproofing *(07 13)*

07 13 13 00-0001 15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped *(07 13 13)*

07 13 13 00-0002	CSF	1 Ply, 15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	349.46	123.66
		For 30 Lb. Felt, Add	*76.60*	
		For Application To Horizontal Surfaces, Deduct	*-37.10*	
07 13 13 00-0003	CSF	2 Ply, 15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	438.96	139.12
		For 30 Lb. Felt, Add	*120.53*	
		For Application To Horizontal Surfaces, Deduct	*-41.74*	
07 13 13 00-0004	CSF	3 Ply, 15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	528.45	154.58
		For 30 Lb. Felt, Add	*164.47*	
		For Application To Horizontal Surfaces, Deduct	*-46.37*	
07 13 13 00-0005	CSF	4 Ply, 15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	617.95	170.04
		For 30 Lb. Felt, Add	*208.40*	
		For Application To Horizontal Surfaces, Deduct	*-51.01*	
07 13 13 00-0006	CSF	5 Ply, 15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	707.44	185.50
		For 30 Lb. Felt, Add	*252.34*	
		For Application To Horizontal Surfaces, Deduct	*-55.65*	

07 13 13 00-0007 Asphalt Coated Protective Board *(07 13 13)*

07 13 13 00-0008	CSF	1/8" Asphalt Coated Protective Board	306.15	124.31
		For Application To Horizontal Surfaces, Deduct	*-41.46*	
07 13 13 00-0009	CSF	1/4" Asphalt Coated Protective Board	399.37	129.09
		For Application To Horizontal Surfaces, Deduct	*-43.03*	
07 13 13 00-0010	CSF	3/8" Asphalt Coated Protective Board	511.66	134.51
		For Application To Horizontal Surfaces, Deduct	*-44.82*	
07 13 13 00-0011	CSF	1/2" Asphalt Coated Protective Board	569.46	139.94
		For Application To Horizontal Surfaces, Deduct	*-46.65*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 13 53 Elastomeric Sheet Waterproofing *(07 13)*

07 13 53 00-0001 Rubberized Membrane Sheet *(07 13 53)*

07 13 53 00-0002	SF	215 Mil Rubberized Asphalt Membrane Sheet, Vertical Surface	8.34	1.29
		For Floor Surfaces, Deduct	*-1.26*	

07 13 53 00-0003 Ethylene Propylene Diene Monomer (EPDM) *(07 13 53)*

07 13 53 00-0004	CSF	45 Mil Ethylene Propylene Diene Monomer (EPDM) Membrane	516.92	181.64
		For Application To Horizontal Surfaces, Deduct	*-54.48*	
07 13 53 00-0005	CSF	60 Mil Ethylene Propylene Diene Monomer (EPDM) Membrane	587.87	181.64
		For Application To Horizontal Surfaces, Deduct	*-54.48*	

07 13 53 00-0006 Butyl Sheet Waterproofing *(07 13 53)*

07 13 53 00-0007	CSF	1/32" Butyl Sheet Waterproofing	108.74	45.41
		For Joint Taping, Add	*15.90*	
		For Each Additional Ply, Add	*80.67*	
		For Application To Horizontal Surfaces, Deduct	*-6.83*	
07 13 53 00-0008	CSF	1/16" Butyl Sheet Waterproofing	128.87	45.41
		For Joint Taping, Add	*16.91*	
		For Each Additional Ply, Add	*94.76*	
		For Application To Horizontal Surfaces, Deduct	*-6.83*	

07 13 53 00-0009 Butyl With Nylon *(07 13 53)*

07 13 53 00-0010	CSF	1/32" Butyl Elastomeric Waterproofing With Nylon	120.25	45.41
		For Joint Taping, Add	*16.48*	
		For Each Additional Ply, Add	*88.73*	
		For Application To Horizontal Surfaces, Deduct	*-6.83*	
07 13 53 00-0011	CSF	1/16" Butyl Elastomeric Waterproofing With Nylon	133.19	45.41
		For Joint Taping, Add	*17.12*	
		For Each Additional Ply, Add	*97.78*	
		For Application To Horizontal Surfaces, Deduct	*-6.83*	

07 13 53 00-0012 Neoprene Sheet Waterproofing *(07 13 53)*

07 13 53 00-0013	CSF	1/32" Neoprene Sheet Waterproofing	186.44	45.41
		For Joint Taping, Add	*19.79*	
		For Each Additional Ply, Add	*135.06*	
		For Application To Horizontal Surfaces, Deduct	*-6.83*	
07 13 53 00-0014	CSF	1/16" Neoprene Sheet Waterproofing	272.10	45.41
		For Joint Taping, Add	*24.07*	
		For Each Additional Ply, Add	*195.02*	
		For Application To Horizontal Surfaces, Deduct	*-6.83*	

07 13 53 00-0015 Neoprene With Nylon *(07 13 53)*

07 13 53 00-0016	CSF	1/32" Neoprene Elastomeric Waterproofing With Nylon	195.38	45.41
		For Joint Taping, Add	*20.23*	
		For Each Additional Ply, Add	*141.32*	
		For Application To Horizontal Surfaces, Deduct	*-6.83*	
07 13 53 00-0017	CSF	1/16" Neoprene Elastomeric Waterproofing With Nylon	286.38	45.41
		For Joint Taping, Add	*24.78*	
		For Each Additional Ply, Add	*205.02*	
		For Application To Horizontal Surfaces, Deduct	*-6.83*	

07 13 53 00-0018 Plastic Vapor Barrier (Polyethylene) *(07 13 53)*

07 13 53 00-0019	CSF	4 Mil Polyethylene Vapor Barrier	37.31	13.46
		For Joint Taping, Add	*8.72*	
		For Each Additional Ply, Add	*29.10*	
		For Application To Horizontal Surfaces, Deduct	*-4.47*	
07 13 53 00-0020	CSF	6 Mil Polyethylene Vapor Barrier	38.61	13.46
		For Joint Taping, Add	*8.78*	
		For Each Additional Ply, Add	*30.01*	
		For Application To Horizontal Surfaces, Deduct	*-4.47*	
07 13 53 00-0021	CSF	10 Mil Polyethylene Vapor Barrier	65.99	13.46
		For Joint Taping, Add	*10.15*	
		For Each Additional Ply, Add	*49.17*	
		For Application To Horizontal Surfaces, Deduct	*-4.47*	
07 13 53 00-0022	CSF	60 Mil Polyethylene Vapor Barrier With Bentonite	144.55	13.46
		Note: Includes seam tape, liquid mastic, anchors and termination bar.		
		For Each Additional Ply, Add	*104.50*	
		For Application To Horizontal Surfaces, Deduct	*-4.97*	

07 13 53 00-0023 Plastic Vapor Barrier (PVC) *(07 13 53)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 13 53 00-0024	CSF	10 Mil Polyvinyl Chloride (PVC) Vapor Barrier	53.35	14.90
		For Joint Taping, Add	*9.52*	
		For Each Additional Ply, Add	*40.32*	
		For Application To Horizontal Surfaces, Deduct	*-4.47*	
07 13 53 00-0025	CSF	20 Mil Polyvinyl Chloride (PVC) Vapor Barrier	71.62	15.45
		For Joint Taping, Add	*10.69*	
		For Each Additional Ply, Add	*53.23*	
		For Application To Horizontal Surfaces, Deduct	*-4.64*	
07 13 53 00-0026	CSF	30 Mil Polyvinyl Chloride (PVC) Vapor Barrier	96.26	15.99
		For Joint Taping, Add	*12.17*	
		For Each Additional Ply, Add	*70.58*	
		For Application To Horizontal Surfaces, Deduct	*-4.80*	
07 13 53 00-0027		Vinyl Plastic Vapor Barrier *(07 13 53)*		
07 13 53 00-0028	CSF	4 Mil Vinyl Plastic Vapor Barrier With Fiberglass Insulation At Joints (Tu-Tuf #4)	45.63	13.79

07 13 54 Thermoplastic Sheet Waterproofing *(07 13)*

07 13 54 00-0001		Thermoplastic Sheet Waterproofing *(07 13 54)*		
07 13 54 00-0002	SF	60 Mil Thermoplastic Active Polymer Core Membrane (Cetco Coreflex 60)	11.35	
07 13 54 00-0003	SF	Cortex Active Polymer Core Seperation Sheet (Cetco Coretex)	7.48	
07 13 54 00-0004	SF	Hardscape Walk Path Drain Board (Cetco Aquadrain 30HD)	2.57	
07 13 54 00-0005	SF	Planted Area Drain Board (Cetco GS-300)	4.54	
07 13 54 00-0006	SF	Root Barrier (Cetco GS-120)	3.23	
07 13 54 00-0007	LF	Stainless Steel Termination Bar (Cetco)	5.31	

07 14 Fluid-Applied Waterproofing *(07 10)*

07 14 13 Hot Fluid-Applied Rubberized Asphalt Waterproofing *(07 14)*

07 14 13 00-0001		Hot Applied Rubberized Asphalt Waterproofing Coating *(07 14 13)*		
07 14 13 00-0002	SF	90 Mil Hot Applied Rubberized Asphalt Waterproofing Coating, Vertical Surface Note: Includes primer.	2.63	
		For Application To Horizontal Surfaces, Deduct	*-0.24*	
		For Reinforcing Fabric, Add	*0.59*	
07 14 13 00-0003	SF	125 Mil Hot Applied Rubberized Asphalt Waterproofing Coating, Vertical Surface Note: Includes primer.	3.09	
		For Application To Horizontal Surfaces, Deduct	*-0.25*	
		For Reinforcing Fabric, Add	*0.59*	

07 14 16 Cold Fluid-Applied Waterproofing *(07 14)*

07 14 16 00-0001		Fluid Applied Neoprene *(07 14 16)*		
07 14 16 00-0002	CSF	1/8" Fiberglass Reinforced, Fluid Applied Neoprene	600.03	
		For Application To Horizontal Surfaces, Deduct	*-66.17*	
07 14 16 00-0003	CSF	50 Mil, 4 Coats, Fluid Applied Neoprene	1,123.37	
		For Application To Horizontal Surfaces, Deduct	*-129.81*	
07 14 16 00-0004	CSF	90 Mil, 4 Coats, Fluid Applied Neoprene	1,813.38	
		For Application To Horizontal Surfaces, Deduct	*-194.61*	
07 14 16 00-0005		Fluid Applied Rubber Based Polyurethane *(07 14 16)*		
07 14 16 00-0006	SF	60 Mil Thick, Applied In 2 Coats, Fluid Applied, Rubber Base, Polyurethane Waterproofing	4.45	
		For Application To Horizontal Surfaces, Deduct	*-0.55*	
07 14 16 00-0007	SF	90 Mil Thick, Applied In 2 Coats, Fluid Applied, Rubber Base, Polyurethane Waterproofing	5.04	
		For Application To Horizontal Surfaces, Deduct	*-0.58*	
07 14 16 00-0008	SF	120 Mil Thick, Applied In 2 Coats, Fluid Applied, Rubber Base, Polyurethane Waterproofing	5.68	
		For Application To Horizontal Surfaces, Deduct	*-0.61*	
07 14 16 00-0009		One Part Solution Of Chlorosulfonated Polyethylene Polymer *(07 14 16)*		
07 14 16 00-0010	SF	15 Mil Finish Coat, 1 Part Solution, Chlorosulfonated Polyethylene (CSM) Polymer	3.26	
07 14 16 00-0011		Copolymer Compound *(07 14 16)*		
07 14 16 00-0012	SF	32 Mil, Fluid Elastomeric Copolymer Compound For Slabs	5.08	
07 14 16 00-0013		Waterproofing (Sika) *(07 14 16)*		
07 14 16 00-0014	SF	30 Mil Thick, Two-Component Polyurethane, Roller Grade Bitumen Modified Waterproofing, (Sika Sikagard®-7600 HG)	6.34	

07 16 Cementitious and Reactive Waterproofing *(07 10)*

07 16 13 Polymer Modified Cement Waterproofing *(07 16)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 16 13 00-0001	SF	Polymer Modified Cementitious Waterproofing Assembly, 2 Coats Note: As manufactured by Thoro Consumer Products. Includes Thoroseal, Acryl 60, acrylic waterproof coating and white pigmented acrylic copolymer primer.	4.94	

07 16 16 Crystalline Waterproofing *(07 16)*

07 16 16 00-0001	SF	Crystalline Cementitious Waterproofing. 2 Coats (Xypex Concentrate)	6.02	

07 16 19 Metal Oxide Waterproofing *(07 16)*

07 16 19 00-0001 Metallic Oxide Waterproofing *(07 16 19)*
Note: Includes one broom applied bond coat and three brush applied waterproof coats. Excludes concrete repairs to subbase and final protective concrete surface coat. See CSI section 03 54 16 00-0001 for self leveling underlayment for concrete floors.

07 16 19 00-0002	CSF	Catalyzed Metallic Waterproofing Treatment, Metal Oxide Waterproofing (Euclid Iron Waterpeller)	510.71	
		For Application To Horizontal Surfaces, Deduct	*-63.70*	

07 17 Bentonite Waterproofing *(07 10)*

07 17 13 Bentonite Panel Waterproofing *(07 17)*

07 17 13 00-0001	CSF	3/16" Bentonite Waterproofing Panels	495.84	148.33
		For Application To Horizontal Surfaces, Deduct	*-44.51*	
07 17 13 00-0002	CSF	1/4" Bentonite Waterproofing Panels	460.27	156.72
		For Application To Horizontal Surfaces, Deduct	*-48.17*	
07 17 13 00-0003	CSF	5/8" Bentonite Waterproofing Panels	617.56	163.43
		For Application To Horizontal Surfaces, Deduct	*-49.02*	
07 17 13 00-0004	CSF	3/8" Granular Bentonite, Troweled	499.30	135.93
		For Application To Horizontal Surfaces, Deduct	*-40.76*	

07 18 Traffic Coatings *(07 10)*

07 18 13 Pedestrian Traffic Coatings *(07 18)*

07 18 13 00-0001 Elastomeric Plaza Deck System (Garland Dura-Walk®) *(07 18 13)*
Note: For pedestrian and vehicular traffic. Includes 10 year warranty. Exlucdes surface preparaion, deck crack repair, joint sealants or markings.

07 18 13 00-0002	SQ	Porous Concrete Primer (Garland Dura-Walk® FC Primer Kit)	178.85	
07 18 13 00-0003	SQ	32 mils, Base Coat, One-Component, Polyurethane, Elastomeric Plaza Deck System (Garland Dura-Walk®)	509.67	
07 18 13 00-0004	SQ	16 mils, Wear Coat, One-Component, Polyurethane, Elastomeric Plaza Deck System (Garland Dura-Walk®)	294.13	
07 18 13 00-0005	SQ	16 mils, Top Coat, One-Component, Polyurethane, Elastomeric Plaza Deck System (Garland Dura-Walk®)	351.70	
07 18 13 00-0006	LF	6" Wide, Poly Joint Tape (Garland Dura-Walk®)	1.79	

07 18 16 Vehicular Traffic Coatings *(07 18)*

07 18 16 00-0001 Preparation For Vehicular Traffic Coating *(07 18 16)*
See CSI section 03 01 30 71-0053 for crack repairs, 32 17 23 00-0000 for pavement markings.

07 18 16 00-0002	SF	Grinding Of Existing Concrete Floor Prior To Installation Of Deck Coating	1.09	
07 18 16 00-0003	SF	Shot Blasting Concrete Surface For Vehicular Traffic Coating	2.66	

07 18 16 00-0004 Vehicular Traffic Bearing Waterproofing System System (UPI) *(07 18 16)*
Note: Excludes deck crack repair, joint sealants or pavement markings. See CSI section 03 01 30 71-0053 for crack repairs, 32 17 23 00-0000 for pavement markings.

07 18 16 00-0005	SF	Vehicular Traffic Bearing Waterproofing System Complete (UPI UREADEK 6700-VT) Note: Includes primer (UI-71 18), 32 mil base coat (UI-7013), 16 mil intermediate coat (UI-7016 AR), 16 mil top coat (UI-7016 AL), and non-slip texture finish. Excludes crack repair or caulking.	10.47	
		For second coat 16 mil intermediate coat (UI-7016 AR), Add	*1.98*	

07 18 16 00-0006 Vehicular Traffic Coating (Sika) *(07 18 16)*
Note: Excludes surface preparaion, deck crack repair, joint sealants or pavement markings. See CSI section 03 01 30 71-0053 for crack repairs, 07 18 16 00-0001 for surface preparaion, 32 17 23 00-0000 for pavement markings.

07 18 16 00-0007	SF	23 Mil Thick, Traffic Coating, Two-Component, Elastomeric Polyurethane Waterproofing, Concrete Coating With Primer (Sika Sikalastic® 720) Note: Excludes crack repair or caulking.	3.92	
07 18 16 00-0008	SF	12 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Protective Concrete Coating (Sika Sikalastic®-745 AL) Note: Excludes crack repair or caulking.	2.41	
07 18 16 00-0009	SF	14 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Protective Concrete Coating (Sika Sikalastic®-745 AL) Note: Excludes crack repair or caulking.	2.56	
07 18 16 00-0010	SF	16 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Protective Concrete Coating (Sika Sikalastic®-745 AL) Note: Excludes crack repair or caulking.	2.73	
07 18 16 00-0011	SF	18 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Protective Concrete Coating (Sika Sikalastic®-745 AL) Note: Excludes crack repair or caulking.	2.87	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 18 16 00-0012	SF	14 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Wear And Top Concrete Coating (Sika Sikalastic®-745 Textured) Note: Excludes crack repair or caulking.	2.78	
07 18 16 00-0013	SF	16 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Wear And Top Concrete Coating (Sika Sikalastic®-745 Textured) Note: Excludes crack repair or caulking.	3.02	
07 18 16 00-0014	SF	18 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Wear And Top Concrete Coating (Sika Sikalastic®-745 Textured) Note: Excludes crack repair or caulking.	3.27	
07 18 16 00-0015		Vehicular Traffic Bearing Waterproofing System System (Dex-O-Tex Auto-Dex V) *(07 18 16)* Note: Excludes surface preparaion, deck crack repair, joint sealants or pavement markings. See CSI section 03 01 30 71-0053 for crack repairs, 07 18 16 00-0001 for surface preparaion, 32 17 23 00-0000 for pavement markings.		
07 18 16 00-0016	SF	Vehicular Traffic Bearing Waterproofing System (Dex-O-Tex Auto-Dex V) Note: A. Troweled waterproof neoprene co-polymer composition vehicular traffic bearing waterproof surfacing system shall be Dex-O-Tex Auto-Dex V as manufactured by Crossfield Products Corp., in Rancho Dominguez, California and Roselle Park, New Jersey. B. The trowel applied waterproof neoprene co-polymer composition vehicular traffic bearing waterproof surfacing system shall be composed of a co-polymer bondcoat, neoprene waterproof membrane, and cementitious co-polymer traffic topping surfacing. 1.) All resin binders and all rubber emulsions shall be compounded with neoprene or polyacrylate co-polymer liquids and shall have a minimum polymer, neoprene, solids content of 35% when tested by the dry cup method. 2.) Aggregate for traffic surface coating shall be suitably graded, fine trap-rock passing a #20 mesh sieve and retained on a #40 mesh sieve. 3.) Fabric used as reinforcement for waterproof membrane shall be 7-1/2 oz. Woven polypropylene fabric.	14.81	
07 18 16 00-0017		Traffic Coating Repair (Sika) *(07 18 16)* Note: Excludes surface preparaion, deck crack repair, joint sealants or pavement markings. See CSI section 03 01 30 71-0053 for crack repairs, 07 18 16 00-0001 for surface preparaion, 32 17 23 00-0000 for pavement markings.		
07 18 16 00-0018	SF	5 +/- 1 mils (Dry Film Thickness per Coat), Two Component, High Solids, Liquid Applied Primer (Sika Sikalastic® Recoat Primer)	0.94	
07 18 16 00-0019	SF	Low-modulus, Low-viscosity, Epoxy Resin Primer (Sikadur® 21)	0.63	
07 18 16 00-0020	SF	Up To 1/2" Thick, Low-modulus, Low-viscosity, Epoxy Resin Mortar Binder (Sikadur® 21)	1.43	
07 18 16 00-0021	SF	Low-modulus, Fast-setting, Medium Viscosity, Urethane Modified, Epoxy Resin Primer (Sikadur® 22)	0.84	
07 18 16 00-0022	SF	50 Mils, Low-modulus, Fast-setting, Medium Viscosity, Urethane Modified, Epoxy Resin Binder (Sikadur® 22)	1.54	
07 18 16 00-0023	SF	Broadcast Sand Coating	0.25	
07 18 16 00-0024	SF	Low-modulus, Fast-setting, Medium Viscosity, Urethane Modified, Epoxy Resin Top Coat (Sikadur® 22)	0.89	
07 18 16 00-0025	SF	Low-modulus, Fast-setting, Medium Viscosity, Urethane Modified, Epoxy Resin Traffic Overlay (Sikadur® 22)	4.07	
07 18 21		**Traffic-Bearing Roof Deck Surfacing** *(07 18)*		
07 18 21 00-0001		Decking Coating System (Polycoat POLY-I-GARD® 575FC) *(07 18 21)* Note: Excludes surface preparaion, deck crack repair or other joint sealants. See CSI section 07 18 16 00-0001 for surface preparaion.		
07 18 21 00-0002	SF	4 Dry Mils, Epoxy Primer For Deck Coating System (Polycoat Polyprime® 21)	1.31	
07 18 21 00-0003	SF	24 ± 2 Dry Mils, Base For Deck Coating System (Polycoat PC-260)	3.77	
07 18 21 00-0004	SF	18 ± 2 Dry Mils, Topcoat For Deck Coating System (Polycoat Poly-I-Gard® 295)	3.52	
07 18 21 00-0005	SF	15 ± 2 Dry Mils, Topcoat For Deck Coating System (Polycoat Poly-I-Gard® 295) Note: Additional coat for ramps, turn radii, and other heavy traffic areas.	3.12	
07 18 21 00-0006		Weatherwear Roof Deck Coating System (Dex-O-Tex) *(07 18 21)*		
07 18 21 00-0007	SF	Dex-O-Tex Weatherwear Promenade Roof Deck System Note: Includes mobilize and set up. Install Dex-O-Tex Weatherwear Promenade Roof Deck System per manufacturer's specifications and waterproof at drain locations. (Supply and installation of drains by others). Final clean up and demobilize.	38.28	
07 18 21 00-0008	LF	Dex-O-Tex 26G Bonderized 4" x 8" flashing Note: supply and install 26G Bonderized 4" x 8" flashing at deck to wall transitions per plans and specifications. (Flashing per detail A.1/3.)	17.65	
07 18 21 00-0009	SF	Dex-O-Tex G-26 Underlayment at 3" Average for Sloping Note: Includes mobilize and set up. Install Dex-O-Tex G-26 Cementitious Underlayment for sloping at 3" average per A.1/B. Clean up.	44.84	
07 18 21 00-0010	SF	Mechanically Prepare Surface For Underlayment Note: Mechanically prepare surface to create bonding profile per manufacturer specifications.	3.28	
07 19		**Water Repellents** *(07 10)*		
07 19 13		**Acrylic Sealer** *(07 19)* Note: Per coat.		
07 19 13 00-0001	SF	Spray On Concrete, Acrylic Sealer	2.81	
07 19 13 00-0002	SF	Spray On Concrete Block/Brick, Acrylic Sealer	3.35	
07 19 13 00-0003	SF	Spray On Stone, Acrylic Sealer	3.68	
07 19 16		**Silane Water Repellents** *(07 19)*		
07 19 16 00-0001		Silane Concrete Sealer *(07 19 16)*		
07 19 16 00-0002	SF	Spray On Concrete, Water Based, Silane Penetrating Water Repellent Sealer (Specchem SpecSilane 40 WB)	0.78	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 19 16 00-0003	SF	Spray On Concrete Block/Brick, Water Based, Silane Penetrating Water Repellent Sealer (Specchem SpecSilane 40 WB)	1.14	

07 19 16 00-0004 Silane/Siloxane Concrete Sealer *(07 19 16)*

07 19 16 00-0005	SF	Spray On Concrete, Solvent Based, Silane/Siloxane Concrete Penetrating Water Repellent Sealer (Anti-Hydro Aridox 40) Note: 40% silane, alcohol based.	1.38	
07 19 16 00-0006	SF	Spray On Concrete Block/Brick, Solvent Based, Silane/Siloxane Penetrating Water Repellent Sealer (Anti-Hydro Aridox 40) Note: 40% silane, alcohol based.	2.01	
07 19 16 00-0007	SF	Spray On Concrete, Water-Based, Silane/Siloxane Penetrating Water Repellent Sealer (Prosoco Saltguard WB) Note: 200 SF/GAL	0.54	
07 19 16 00-0008	SF	Spray On Concrete Block/Masonry, Water-Based, Silane/Siloxane Penetrating Water Repellent Sealer (Prosoco Saltguard WB)	0.79	

07 20 Thermal Protection *(07)*

07 21 Thermal Insulation *(07 20)*

07 21 13 Board Insulation *(07 21)*

Note: Types are stock sizes, mastic applied.

07 21 13 13 Foam Board Insulation *(07 21 13)*

07 21 13 13-0001 Cold Adhesive Applied Foam Board Insulation *(07 21 13 13)*

07 21 13 13-0002 Cold Adhesive Applied, Foam Glass (Cellular Glass), Foam Board Insulation *(07 21 13 13-0001)*

07 21 13 13-0003	SF	1" Thick, R3.44, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied	4.21	0.38
		For Horizontal Surface Application, Deduct	*-0.06*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0004	SF	1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied	5.93	0.38
		For Horizontal Surface Application, Deduct	*-0.06*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0005	SF	2" Thick, R6.88, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied	7.08	0.39
		For Horizontal Surface Application, Deduct	*-0.07*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0006	SF	2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied	9.37	0.40
		For Horizontal Surface Application, Deduct	*-0.07*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	

07 21 13 13-0007 Cold Adhesive Applied, Expanded Polystyrene, Foam Board Insulation *(07 21 13 13-0001)*

07 21 13 13-0008	SF	3/8" Thick, R1.44, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	1.81	0.37
		For Horizontal Surface Application, Deduct	*-0.06*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0009	SF	1/2" Thick, R1.93, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	1.88	0.37
		For Horizontal Surface Application, Deduct	*-0.06*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0010	SF	3/4" Thick, R2.89, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	2.17	0.38
		For Horizontal Surface Application, Deduct	*-0.06*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0011	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	2.44	0.38
		For Horizontal Surface Application, Deduct	*-0.06*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0012	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	3.56	0.39
		For Horizontal Surface Application, Deduct	*-0.07*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0013	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	4.66	0.40
		For Horizontal Surface Application, Deduct	*-0.07*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0014	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	5.78	0.41
		For Horizontal Surface Application, Deduct	*-0.07*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0015	SF	5" Thick, R19.25, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	6.88	0.42
		For Horizontal Surface Application, Deduct	*-0.07*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0016	SF	6" Thick, R23.1, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	8.00	0.43
		For Horizontal Surface Application, Deduct	*-0.07*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	

07 21 13 13-0017 Cold Adhesive Applied, Extruded Polystyrene, Foam Board Insulation *(07 21 13 13-0001)*

Note: 15 PSI compressive strength.

07 21 13 13-0018	SF	3/8" Thick, R1.9, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	2.04	0.37
		For Horizontal Surface Application, Deduct	*-0.06*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.23*	
		For 40 PSI Compressive Strength, Add	*0.54*	
		For 60 PSI Compressive Strength, Add	*0.85*	
		For 115 PSI Compressive Strength, Add	*3.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0019	SF	1/2" Thick, R2.5, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	2.40	0.37
		For Horizontal Surface Application, Deduct	*-0.06*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.28*	
		For 40 PSI Compressive Strength, Add	*0.68*	
		For 60 PSI Compressive Strength, Add	*1.06*	
		For 115 PSI Compressive Strength, Add	*4.64*	
07 21 13 13-0020	SF	3/4" Thick, R3.7, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	2.70	0.38
		For Horizontal Surface Application, Deduct	*-0.06*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.33*	
		For 40 PSI Compressive Strength, Add	*0.79*	
		For 60 PSI Compressive Strength, Add	*1.23*	
		For 115 PSI Compressive Strength, Add	*5.38*	
07 21 13 13-0021	SF	1" Thick, R5.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	2.84	0.38
		For Horizontal Surface Application, Deduct	*-0.06*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.35*	
		For 40 PSI Compressive Strength, Add	*0.84*	
		For 60 PSI Compressive Strength, Add	*1.31*	
		For 115 PSI Compressive Strength, Add	*5.74*	
07 21 13 13-0022	SF	2" Thick, R10.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	4.36	0.39
		For Horizontal Surface Application, Deduct	*-0.07*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.59*	
		For 40 PSI Compressive Strength, Add	*1.41*	
		For 60 PSI Compressive Strength, Add	*2.18*	
		For 115 PSI Compressive Strength, Add	*9.60*	
07 21 13 13-0023	SF	3" Thick, R15.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	5.87	0.40
		For Horizontal Surface Application, Deduct	*-0.07*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.83*	
		For 40 PSI Compressive Strength, Add	*1.98*	
		For 60 PSI Compressive Strength, Add	*3.05*	
		For 115 PSI Compressive Strength, Add	*13.46*	
07 21 13 13-0024	SF	4" Thick, R20.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	6.64	0.41
		For Horizontal Surface Application, Deduct	*-0.07*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.95*	
		For 40 PSI Compressive Strength, Add	*2.26*	
		For 60 PSI Compressive Strength, Add	*3.49*	
		For 115 PSI Compressive Strength, Add	*15.39*	

07 21 13 13-0025 Mechanically Fastened Foam Board Insulation *(07 21 13 13)*

Note: Mechanically fastened to wood or steel.

07 21 13 13-0026 Mechanically Fastened, Foam Glass (Cellular Glass), Foam Board Insulation *(07 21 13 13-0025)*

Note: Mechanically fastened to wood or steel.

07 21 13 13-0027	SF	1" Thick, R3.44, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened	4.14	0.38
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.73*	
		For Mechanically Fastened To Gypsum, Add	*2.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.77*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.32*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.76*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.15*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.47*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.13*	
07 21 13 13-0028	SF	1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened	5.95	0.38
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.79*	
		For Mechanically Fastened To Gypsum, Add	*2.19*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.95*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.39*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.76*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.41*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.53*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.13*	
07 21 13 13-0029	SF	2" Thick, R6.88, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened	7.11	0.39
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.79*	
		For Mechanically Fastened To Gypsum, Add	*2.19*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.95*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.39*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.79*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.41*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.53*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0030	SF	2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened	9.49	0.40
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.84*	
		For Mechanically Fastened To Gypsum, Add	*2.28*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.08*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.53*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.97*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.62*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.79*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.45*	
07 21 13 13-0031		**Mechanically Fastened, Expanded Polystyrene, Foam Board Insulation** *(07 21 13 13-0025)*		
07 21 13 13-0032	SF	3/8" Thick, R1.44, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	1.73	0.37
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.73*	
		For Mechanically Fastened To Gypsum, Add	*2.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.77*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.32*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.76*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.15*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.47*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.13*	
07 21 13 13-0033	SF	1/2" Thick, R1.93, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	1.80	0.37
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.73*	
		For Mechanically Fastened To Gypsum, Add	*2.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.77*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.32*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.76*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.15*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.47*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.13*	
07 21 13 13-0034	SF	3/4" Thick, R2.89, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	2.08	0.38
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.73*	
		For Mechanically Fastened To Gypsum, Add	*2.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.77*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.32*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.76*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.15*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.47*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.13*	
07 21 13 13-0035	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	2.36	0.38
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.73*	
		For Mechanically Fastened To Gypsum, Add	*2.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.77*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.32*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.76*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.15*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.47*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.13*	
07 21 13 13-0036	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	3.58	0.39
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.79*	
		For Mechanically Fastened To Gypsum, Add	*2.19*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.95*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.39*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.79*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.41*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.53*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.17*	
07 21 13 13-0037	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	4.79	0.40
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.84*	
		For Mechanically Fastened To Gypsum, Add	*2.28*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.08*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.53*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.97*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.62*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.79*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.45*	

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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0038	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	6.05	0.41
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.89*	
		For Mechanically Fastened To Gypsum, Add	*2.29*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.27*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.13*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.91*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.10*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.70*	
07 21 13 13-0039	SF	5" Thick, R19.25, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	7.36	0.42
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.94*	
		For Mechanically Fastened To Gypsum, Add	*2.64*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.52*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.98*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.29*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*8.66*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.46*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.93*	
07 21 13 13-0040	SF	6" Thick, R23.1, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	8.78	0.43
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.84*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.32*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.55*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.77*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.98*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.32*	

07 21 13 13-0041 Mechanically Fastened, Extruded Polystyrene, Foam Board Insulation *(07 21 13 13-0025)*

Note: 15 PSI compressive strength. Mechanically fastened to wood or steel.

07 21 13 13-0042	SF	3/8" Thick, R1.9, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	1.96	0.37
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.19*	
		For 40 PSI Compressive Strength, Add	*0.46*	
		For 60 PSI Compressive Strength, Add	*0.74*	
		For 115 PSI Compressive Strength, Add	*3.18*	
		For Mechanically Fastened To Concrete, Add	*1.73*	
		For Mechanically Fastened To Gypsum, Add	*2.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.77*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.32*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.76*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.15*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.47*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.13*	
07 21 13 13-0043	SF	1/2" Thick, R2.5, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	2.32	0.37
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.25*	
		For 40 PSI Compressive Strength, Add	*0.60*	
		For 60 PSI Compressive Strength, Add	*0.95*	
		For 115 PSI Compressive Strength, Add	*4.11*	
		For Mechanically Fastened To Concrete, Add	*1.73*	
		For Mechanically Fastened To Gypsum, Add	*2.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.77*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.32*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.76*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.15*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.47*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.13*	
07 21 13 13-0044	SF	3/4" Thick, R3.7, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	2.61	0.38
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.30*	
		For 40 PSI Compressive Strength, Add	*0.71*	
		For 60 PSI Compressive Strength, Add	*1.12*	
		For 115 PSI Compressive Strength, Add	*4.86*	
		For Mechanically Fastened To Concrete, Add	*1.73*	
		For Mechanically Fastened To Gypsum, Add	*2.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.77*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.32*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.76*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.15*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.47*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0045	SF	1" Thick, R5.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	2.76	0.38
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.32*	
		For 40 PSI Compressive Strength, Add	*0.76*	
		For 60 PSI Compressive Strength, Add	*1.20*	
		For 115 PSI Compressive Strength, Add	*5.22*	
		For Mechanically Fastened To Concrete, Add	*1.73*	
		For Mechanically Fastened To Gypsum, Add	*2.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.77*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.32*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.76*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.15*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.47*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.13*	
07 21 13 13-0046	SF	2" Thick, R10.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	4.38	0.39
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.57*	
		For 40 PSI Compressive Strength, Add	*1.36*	
		For 60 PSI Compressive Strength, Add	*2.12*	
		For 115 PSI Compressive Strength, Add	*9.31*	
		For Mechanically Fastened To Concrete, Add	*1.79*	
		For Mechanically Fastened To Gypsum, Add	*2.19*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.95*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.39*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.79*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.41*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.53*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.17*	
07 21 13 13-0047	SF	3" Thick, R15.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	6.00	0.40
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.83*	
		For 40 PSI Compressive Strength, Add	*1.97*	
		For 60 PSI Compressive Strength, Add	*3.05*	
		For 115 PSI Compressive Strength, Add	*13.42*	
		For Mechanically Fastened To Concrete, Add	*1.84*	
		For Mechanically Fastened To Gypsum, Add	*2.28*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.08*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.53*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.97*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.62*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.79*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.45*	
07 21 13 13-0048	SF	4" Thick, R20.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	6.91	0.41
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.97*	
		For 40 PSI Compressive Strength, Add	*2.31*	
		For 60 PSI Compressive Strength, Add	*3.57*	
		For 115 PSI Compressive Strength, Add	*15.73*	
		For Mechanically Fastened To Concrete, Add	*1.89*	
		For Mechanically Fastened To Gypsum, Add	*2.29*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.27*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.13*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.91*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.10*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.70*	

07 21 13 16 Fibrous Board Insulation *(07 21 13)*

07 21 13 16-0001 Cold Adhesive Applied Fibrous Board Insulation *(07 21 13 16)*

07 21 13 16-0002 Cold Adhesive Applied, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation *(07 21 13 16-0001)*

07 21 13 16-0003	SF	1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Cold Adhesive Applied	2.64	0.47
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 16-0004	SF	2" Thick, R5.2, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Cold Adhesive Applied	3.92	0.57
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 16-0005	SF	3" Thick, R7.8, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Cold Adhesive Applied	5.19	0.66
		For Horizontal Surface Application, Deduct	*-0.11*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	

07 21 13 16-0006 Cold Adhesive Applied, Fiberglass, Fibrous Board Insulation *(07 21 13 16-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 16-0007	SF	1" Thick, R4.2, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	4.87	0.38
		For Horizontal Surface Application, Deduct	*-0.06*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 16-0008	SF	1-1/2" Thick, R6.0, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	5.78	0.38
		For Horizontal Surface Application, Deduct	*-0.06*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 16-0009	SF	2" Thick, R8.0, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	7.16	0.39
		For Horizontal Surface Application, Deduct	*-0.07*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 16-0010	SF	2-1/2" Thick, R10.0, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	8.28	0.39
		For Horizontal Surface Application, Deduct	*-0.07*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 16-0011	SF	3" Thick, R12.4, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	9.40	0.40
		For Horizontal Surface Application, Deduct	*-0.07*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	

07 21 13 16-0012 Mechanically Fastened Fibrous Board Insulation *(07 21 13 16)*

Note: Mechanically fastened to wood or steel.

07 21 13 16-0013 Mechanically Fastened, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation *(07 21 13 16-0012)*

Note: Mechanically fastened to wood or steel.

07 21 13 16-0014	SF	1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Mechanically Fastened	2.43	0.47
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.73*	
		For Mechanically Fastened To Gypsum, Add	*2.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.77*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.32*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.76*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.15*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.47*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.13*	
07 21 13 16-0015	SF	2" Thick, R5.2, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Mechanically Fastened	3.80	0.57
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.79*	
		For Mechanically Fastened To Gypsum, Add	*2.19*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.95*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.39*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.79*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.41*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.53*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.17*	
07 21 13 16-0016	SF	3" Thick, R7.8, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Mechanically Fastened	5.17	0.66
		For Horizontal Surface Application, Deduct	*-0.11*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.84*	
		For Mechanically Fastened To Gypsum, Add	*2.28*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.08*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.53*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.97*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.62*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.79*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.45*	

07 21 13 16-0017 Mechanically Fastened, Fiberglass, Fibrous Board Insulation *(07 21 13 16-0012)*

Note: Mechanically fastened to wood or steel.

07 21 13 16-0018	SF	1" Thick, R4.2, Fiberglass, Fibrous Board Insulation, Mechanically Fastened	4.79	0.38
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.73*	
		For Mechanically Fastened To Gypsum, Add	*2.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.77*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.32*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.76*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.15*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.47*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 16-0019	SF	1-1/2" Thick, R6.0, Fiberglass, Fibrous Board Insulation, Mechanically Fastened	5.80	0.38
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.79*	
		For Mechanically Fastened To Gypsum, Add	*2.19*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.95*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.39*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.76*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.41*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.53*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.13*	
07 21 13 16-0020	SF	2" Thick, R8.0, Fiberglass, Fibrous Board Insulation, Mechanically Fastened	7.19	0.39
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.79*	
		For Mechanically Fastened To Gypsum, Add	*2.19*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.95*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.39*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.79*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.41*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.53*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.17*	
07 21 13 16-0021	SF	2-1/2" Thick, R10.0, Fiberglass, Fibrous Board Insulation, Mechanically Fastened	8.41	0.39
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.84*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.08*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.53*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.62*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.79*	
		For Mechanically Fastened To Gypsum, Add	*2.22*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.92*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.36*	
07 21 13 16-0022	SF	3" Thick, R12.4, Fiberglass, Fibrous Board Insulation, Mechanically Fastened	9.52	0.40
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.84*	
		For Mechanically Fastened To Gypsum, Add	*2.28*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.08*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.53*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.97*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.62*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.79*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.45*	

07 21 13 19 Mineral Board Insulation *(07 21 13)*

07 21 13 19-0001 Cold Adhesive Applied Mineral Board Insulation *(07 21 13 19)*

07 21 13 19-0002 Cold Adhesive Applied, High-Density Fiberboard, Mineral Board Insulation
(07 21 13 19-0001)

07 21 13 19-0003	SF	1/2" Thick, R1.3, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	1.98	0.43
		For Horizontal Surface Application, Deduct	*-0.07*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 19-0004	SF	25/32" Thick, R1.9, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	2.37	0.45
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 19-0005	SF	1" Thick, R2.5, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	2.77	0.47
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 19-0006	SF	1-1/2" Thick, R3.8, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	3.48	0.52
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 19-0007	SF	2" Thick, R5.0, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	4.19	0.57
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 19-0008	SF	3" Thick, R7.5, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	5.60	0.66
		For Horizontal Surface Application, Deduct	*-0.11*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	

07 21 13 19-0009 Mechanically Fastened Mineral Board Insulation *(07 21 13 19)*
Note: Mechanically fastened to wood or steel.

07 21 13 19-0010 Mechanically Fastened, High-Density Fiberboard, Mineral Board Insulation
(07 21 13 19-0009)
Note: Mechanically fastened to wood or steel.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 19-0011	SF	1/2" Thick, R1.3, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened	1.77	0.43
		For Horizontal Surface Application, Deduct	*-0.07*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.73*	
		For Mechanically Fastened To Gypsum, Add	*2.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.77*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.32*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.76*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.15*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.47*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.13*	
07 21 13 19-0012	SF	25/32" Thick, R1.9, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened	2.16	0.45
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.73*	
		For Mechanically Fastened To Gypsum, Add	*2.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.77*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.32*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.76*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.15*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.47*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.13*	
07 21 13 19-0013	SF	1" Thick, R2.5, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened	2.56	0.47
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.73*	
		For Mechanically Fastened To Gypsum, Add	*2.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.77*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.32*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.76*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.15*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.47*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.13*	
07 21 13 19-0014	SF	1-1/2" Thick, R3.8, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened	3.36	0.52
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.79*	
		For Mechanically Fastened To Gypsum, Add	*2.19*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.95*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.39*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.76*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.41*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.53*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.13*	
07 21 13 19-0015	SF	2" Thick, R5.0, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened	4.07	0.57
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.79*	
		For Mechanically Fastened To Gypsum, Add	*2.19*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.95*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.39*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.79*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.41*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.53*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.17*	
07 21 13 19-0016	SF	3" Thick, R7.5, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened	5.57	0.66
		For Horizontal Surface Application, Deduct	*-0.11*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.84*	
		For Mechanically Fastened To Gypsum, Add	*2.28*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.08*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.53*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.97*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.62*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.79*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.45*	

07 21 16 Blanket Insulation *(07 21)*

Note: All insulation rolls or batts applied to wood or steel studs or between rafters or between metal building "skin" and framing.

07 21 16 00-0001 Fiberglass Flexible Insulation *(07 21 16)*

Note: Rolls or batts.

07 21 16 00-0002 Kraft Faced, Fiberglass Flexible Insulation *(07 21 16 00-0001)*

07 21 16 00-0003	SF	3-1/2" Thick, Kraft Faced, R-11 Fiberglass Flexible Insulation	1.56	0.46
		For >1,600, Deduct	*-0.18*	
07 21 16 00-0004	SF	3-1/2" Thick, Kraft Faced, R-13 Fiberglass Flexible Insulation	1.69	0.46
		For >1,600, Deduct	*-0.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 16 00-0005	SF	3-1/2" Thick, Kraft Faced, R-15 Fiberglass Flexible Insulation	1.74	0.46
		For >1,600, Deduct	*-0.21*	
07 21 16 00-0006	SF	5-1/2" Thick, Kraft Faced, R-21 Fiberglass Flexible Insulation	2.35	0.46
		For >1,600, Deduct	*-0.33*	
07 21 16 00-0007	SF	6-1/4" Thick, Kraft Faced, R-19 Fiberglass Flexible Insulation	1.97	0.46
		For >1,600, Deduct	*-0.25*	
07 21 16 00-0008	SF	9-1/2" Thick, Kraft Faced, R-30 Fiberglass Flexible Insulation	2.77	0.57
		For >1,600, Deduct	*-0.39*	
07 21 16 00-0009	SF	12" Thick, Kraft Faced, R-38 Fiberglass Flexible Insulation	3.14	0.57
		For >1,600, Deduct	*-0.43*	
07 21 16 00-0010		**Unfaced, Fiberglass Flexible Insulation** *(07 21 16 00-0001)*		
07 21 16 00-0011	SF	3-1/2" Thick, Unfaced, R-11 Fiberglass Flexible Insulation	1.47	0.46
		For >1,600, Deduct	*-0.16*	
07 21 16 00-0012	SF	3-1/2" Thick, Unfaced, R-13 Fiberglass Flexible Insulation	1.63	0.46
		For >1,600, Deduct	*-0.19*	
07 21 16 00-0013	SF	3-1/2" Thick, Unfaced, R-15 Fiberglass Flexible Insulation	2.08	0.46
		For >1,600, Deduct	*-0.28*	
07 21 16 00-0014	SF	5-1/2" Thick, Unfaced, R-21 Fiberglass Flexible Insulation	2.25	0.46
		For >1,600, Deduct	*-0.31*	
07 21 16 00-0015	SF	6-1/4" Thick, Unfaced, R-19 Fiberglass Flexible Insulation	2.34	0.46
		For >1,600, Deduct	*-0.32*	
07 21 16 00-0016	SF	9-1/2" Thick, Unfaced, R-30 Fiberglass Flexible Insulation	2.59	0.57
		For >1,600, Deduct	*-0.35*	
07 21 16 00-0017	SF	12" Thick, Unfaced, R-38 Fiberglass Flexible Insulation	3.03	0.57
		For >1,600, Deduct	*-0.41*	
07 21 16 00-0018		**Foil Faced, Fiberglass Flexible Insulation** *(07 21 16 00-0001)*		
07 21 16 00-0019	SF	3-1/2" Thick, Foil Faced, R-11 Fiberglass Flexible Insulation	1.80	0.46
		For >1,600, Deduct	*-0.23*	
07 21 16 00-0020	SF	3-1/2" Thick, Foil Faced, R-13 Fiberglass Flexible Insulation	2.02	0.46
		For >1,600, Deduct	*-0.27*	
07 21 16 00-0021	SF	6-1/4" Thick, Foil Faced, R-19 Fiberglass Flexible Insulation	2.28	0.46
		For >1,600, Deduct	*-0.31*	
07 21 16 00-0022	SF	10-1/4" Thick, Foil Faced, R-38 Fiberglass Flexible Insulation	3.24	0.57
		For >1,600, Deduct	*-0.46*	
07 21 16 00-0023	SF	12" Thick, Foil Faced, R-38 Fiberglass Flexible Insulation	3.56	0.57
		For >1,600, Deduct	*-0.52*	
07 21 16 00-0024		**Poly-Encapsulated, Fiberglass Flexible Insulation** *(07 21 16 00-0001)*		
07 21 16 00-0025	SF	3-1/2" Thick, Poly-Encapsulated, R-11 Fiberglass Flexible Insulation	1.60	0.46
		For >1,600, Deduct	*-0.19*	
07 21 16 00-0026	SF	3-1/2" Thick, Poly-Encapsulated, R-13 Fiberglass Flexible Insulation	1.74	0.46
		For >1,600, Deduct	*-0.21*	
07 21 16 00-0027	SF	5-1/2" Thick, Poly-Encapsulated, R-21 Fiberglass Flexible Insulation	2.43	0.46
		For >1,600, Deduct	*-0.35*	
07 21 16 00-0028	SF	6-1/2" Thick, Poly-Encapsulated, R-19 Fiberglass Flexible Insulation	1.99	0.46
		For >1,600, Deduct	*-0.25*	
07 21 16 00-0029	SF	8-1/4" Thick, Poly-Encapsulated, R-25 Fiberglass Flexible Insulation	2.70	0.57
		For >1,600, Deduct	*-0.38*	
07 21 16 00-0030	SF	10-1/4" Thick, Poly-Encapsulated, R-30 Fiberglass Flexible Insulation	3.03	0.57
		For >1,600, Deduct	*-0.41*	
07 21 16 00-0031		**Mineral Wool Flexible Insulation** *(07 21 16)*		
07 21 16 00-0032		**Kraft Faced, Mineral Wool Flexible Insulation** *(07 21 16 00-0031)*		
07 21 16 00-0033	SF	3-1/2" Kraft Faced, R-11 Mineral Wool Flexible Insulation	1.76	0.46
		For >1,600, Deduct	*-0.22*	
07 21 16 00-0034	SF	6-1/4" Kraft Faced, R-19 Mineral Wool Flexible Insulation	2.37	0.46
		For >1,600, Deduct	*-0.33*	
07 21 16 00-0035	SF	9-1/2" Kraft Faced, R-30 Mineral Wool Flexible Insulation	3.76	0.46
		For >1,600, Deduct	*-0.58*	
07 21 16 00-0036	SF	12" Kraft Faced, R-38 Mineral Wool Flexible Insulation	4.48	0.46
		For >1,600, Deduct	*-0.70*	
07 21 16 00-0037		**Unfaced, Mineral Wool Flexible Insulation** *(07 21 16 00-0031)*		
07 21 16 00-0038	SF	3-1/2" Unfaced, R-11 Mineral Wool Flexible Insulation	1.63	0.46
		For >1,600, Deduct	*-0.19*	
07 21 16 00-0039	SF	6-1/4" Unfaced, R-19 Mineral Wool Flexible Insulation	2.17	0.46
		For >1,600, Deduct	*-0.29*	
07 21 16 00-0040	SF	9-1/2" Unfaced, R-30 Mineral Wool Flexible Insulation	3.36	0.46
		For >1,600, Deduct	*-0.50*	
07 21 16 00-0041	SF	12" Unfaced, R-38 Mineral Wool Flexible Insulation	4.00	0.46
		For >1,600, Deduct	*-0.61*	
07 21 16 00-0042		**Natural Cotton Insulation** *(07 21 16)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 16 00-0043		UltraTouch™ Natural Cotton Insulation *(07 21 16 00-0042)* Note: 85% recycled denim cotton.		
07 21 16 00-0044	SF	3-1/2", R-13 UltraTouch™ Natural Cotton Insulation	2.45	0.46
		For >1,600, Deduct	*-0.36*	
07 21 16 00-0045	SF	5-1/2", R-19 UltraTouch™ Natural Cotton Insulation	2.74	0.46
		For >1,600, Deduct	*-0.41*	
07 21 16 00-0046	SF	5-1/2", R-21 UltraTouch™ Natural Cotton Insulation	3.08	0.46
		For >1,600, Deduct	*-0.48*	
07 21 16 00-0047	SF	8", R-30 UltraTouch™ Natural Cotton Insulation	4.13	0.46
		For >1,600, Deduct	*-0.67*	
07 21 19		**Foamed-In-Place Insulation** *(07 21)*		
07 21 19 00-0001		Polyurethane Foam Insulation, Sprayed On *(07 21 19)*		
07 21 19 00-0002	EA	Foamed-In-Place, Spray Polyurethane Insulation Minimum Charge Note: For projects where the total foamed-in-place insulation charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	1,413.54	
07 21 19 00-0003	SF	1" Thick, R3.8, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	1.49	
		For Up To 250 SF, Add	*0.55*	
		For >250 To 500 SF, Add	*0.28*	
		For >500 To 1,000 SF, Add	*0.12*	
		For >5,000 To 10,000 SF, Deduct	*-0.18*	
		For >10,000 SF, Deduct	*-0.44*	
07 21 19 00-0004	SF	1-1/2" Thick, R5.7, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	2.04	
		For Up To 250 SF, Add	*0.73*	
		For >250 To 500 SF, Add	*0.37*	
		For >500 To 1,000 SF, Add	*0.16*	
		For >5,000 To 10,000 SF, Deduct	*-0.23*	
		For >10,000 SF, Deduct	*-0.58*	
07 21 19 00-0005	SF	2" Thick, R7.6, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	2.57	
		For Up To 250 SF, Add	*0.90*	
		For >250 To 500 SF, Add	*0.45*	
		For >500 To 1,000 SF, Add	*0.19*	
		For >5,000 To 10,000 SF, Deduct	*-0.29*	
		For >10,000 SF, Deduct	*-0.71*	
07 21 19 00-0006	SF	2-1/2" Thick, R9.5, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	3.09	
		For Up To 250 SF, Add	*1.07*	
		For >250 To 500 SF, Add	*0.53*	
		For >500 To 1,000 SF, Add	*0.23*	
		For >5,000 To 10,000 SF, Deduct	*-0.34*	
		For >10,000 SF, Deduct	*-0.84*	
07 21 19 00-0007	SF	3" Thick, R11.4, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	3.63	
		For Up To 250 SF, Add	*1.24*	
		For >250 To 500 SF, Add	*0.62*	
		For >500 To 1,000 SF, Add	*0.27*	
		For >5,000 To 10,000 SF, Deduct	*-0.40*	
		For >10,000 SF, Deduct	*-0.97*	
07 21 19 00-0008	SF	3-1/2" Thick, R13.3, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	4.16	
		For Up To 250 SF, Add	*1.41*	
		For >250 To 500 SF, Add	*0.71*	
		For >500 To 1,000 SF, Add	*0.30*	
		For >5,000 To 10,000 SF, Deduct	*-0.46*	
		For >10,000 SF, Deduct	*-1.11*	
07 21 19 00-0009	SF	4" Thick, R15.2, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	4.69	
		For Up To 250 SF, Add	*1.58*	
		For >250 To 500 SF, Add	*0.79*	
		For >500 To 1,000 SF, Add	*0.34*	
		For >5,000 To 10,000 SF, Deduct	*-0.51*	
		For >10,000 SF, Deduct	*-1.24*	
07 21 19 00-0010	SF	4-1/2" Thick, R17.1, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	5.22	
		For Up To 250 SF, Add	*1.75*	
		For >250 To 500 SF, Add	*0.87*	
		For >500 To 1,000 SF, Add	*0.38*	
		For >5,000 To 10,000 SF, Deduct	*-0.57*	
		For >10,000 SF, Deduct	*-1.37*	
07 21 19 00-0011	SF	5" Thick, R19.0, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	5.76	
		For Up To 250 SF, Add	*1.92*	
		For >250 To 500 SF, Add	*0.96*	
		For >500 To 1,000 SF, Add	*0.42*	
		For >5,000 To 10,000 SF, Deduct	*-0.62*	
		For >10,000 SF, Deduct	*-1.51*	
07 21 19 00-0012	SF	5-1/2" Thick, R20.9, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	6.30	
		For Up To 250 SF, Add	*2.10*	
		For >250 To 500 SF, Add	*1.05*	
		For >500 To 1,000 SF, Add	*0.45*	
		For >5,000 To 10,000 SF, Deduct	*-0.68*	
		For >10,000 SF, Deduct	*-1.64*	
07 21 19 00-0013	SF	6" Thick, R22.8, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	6.83	
		For Up To 250 SF, Add	*2.27*	
		For >250 To 500 SF, Add	*1.13*	
		For >500 To 1,000 SF, Add	*0.49*	
		For >5,000 To 10,000 SF, Deduct	*-0.74*	
		For >10,000 SF, Deduct	*-1.77*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 19 00-0014		SF	1" Thick, R6.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	2.89	
			For Up To 250 SF, Add	*1.06*	
			For >250 To 500 SF, Add	*0.53*	
			For >500 To 1,000 SF, Add	*0.23*	
			For >5,000 To 10,000 SF, Deduct	*-0.34*	
			For >10,000 SF, Deduct	*-0.84*	
07 21 19 00-0015		SF	1-1/2" Thick, R9.75, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	3.84	
			For Up To 250 SF, Add	*1.35*	
			For >250 To 500 SF, Add	*0.67*	
			For >500 To 1,000 SF, Add	*0.29*	
			For >5,000 To 10,000 SF, Deduct	*-0.43*	
			For >10,000 SF, Deduct	*-1.06*	
07 21 19 00-0016		SF	2" Thick, R13.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	4.69	
			For Up To 250 SF, Add	*1.58*	
			For >250 To 500 SF, Add	*0.79*	
			For >500 To 1,000 SF, Add	*0.34*	
			For >5,000 To 10,000 SF, Deduct	*-0.51*	
			For >10,000 SF, Deduct	*-1.24*	
07 21 19 00-0017		SF	2-1/2" Thick, R16.25, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	5.65	
			For Up To 250 SF, Add	*1.87*	
			For >250 To 500 SF, Add	*0.93*	
			For >500 To 1,000 SF, Add	*0.41*	
			For >5,000 To 10,000 SF, Deduct	*-0.61*	
			For >10,000 SF, Deduct	*-1.46*	
07 21 19 00-0018		SF	3" Thick, R19.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	6.50	
			For Up To 250 SF, Add	*2.10*	
			For >250 To 500 SF, Add	*1.05*	
			For >500 To 1,000 SF, Add	*0.46*	
			For >5,000 To 10,000 SF, Deduct	*-0.69*	
			For >10,000 SF, Deduct	*-1.64*	
07 21 19 00-0019		SF	3-1/2" Thick, R22.75, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	7.47	
			For Up To 250 SF, Add	*2.39*	
			For >250 To 500 SF, Add	*1.20*	
			For >500 To 1,000 SF, Add	*0.52*	
			For >5,000 To 10,000 SF, Deduct	*-0.79*	
			For >10,000 SF, Deduct	*-1.87*	
07 21 19 00-0020		SF	4" Thick, R26.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	8.32	
			For Up To 250 SF, Add	*2.63*	
			For >250 To 500 SF, Add	*1.32*	
			For >500 To 1,000 SF, Add	*0.58*	
			For >5,000 To 10,000 SF, Deduct	*-0.87*	
			For >10,000 SF, Deduct	*-2.05*	
07 21 19 00-0021		SF	4-1/2" Thick, R29.25, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	9.28	
			For Up To 250 SF, Add	*2.92*	
			For >250 To 500 SF, Add	*1.46*	
			For >500 To 1,000 SF, Add	*0.64*	
			For >5,000 To 10,000 SF, Deduct	*-0.96*	
			For >10,000 SF, Deduct	*-2.28*	
07 21 19 00-0022		SF	5" Thick, R32.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	10.13	
			For Up To 250 SF, Add	*3.15*	
			For >250 To 500 SF, Add	*1.58*	
			For >500 To 1,000 SF, Add	*0.69*	
			For >5,000 To 10,000 SF, Deduct	*-1.04*	
			For >10,000 SF, Deduct	*-2.46*	
07 21 19 00-0023		SF	5-1/2" Thick, R35.75, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	11.09	
			For Up To 250 SF, Add	*3.44*	
			For >250 To 500 SF, Add	*1.72*	
			For >500 To 1,000 SF, Add	*0.76*	
			For >5,000 To 10,000 SF, Deduct	*-1.14*	
			For >10,000 SF, Deduct	*-2.68*	
07 21 19 00-0024		SF	6" Thick, R39.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	11.94	
			For Up To 250 SF, Add	*3.67*	
			For >250 To 500 SF, Add	*1.84*	
			For >500 To 1,000 SF, Add	*0.81*	
			For >5,000 To 10,000 SF, Deduct	*-1.22*	
			For >10,000 SF, Deduct	*-2.86*	

07 21 19 00-0025 Expanding Foam Insulation To Fill Hollow Metal Door Frames *(07 21 19)*

07 21 19 00-0026		LF	Expanding Foam Insulation To Fill 4-3/4" Deep Hollow Metal Door Frame	4.63	
07 21 19 00-0027		LF	Expanding Foam Insulation To Fill 5-3/4" Deep Hollow Metal Door Frame	5.78	
07 21 19 00-0028		LF	Expanding Foam Insulation To Fill 6-3/4" Deep Hollow Metal Door Frame	6.94	
07 21 19 00-0029		LF	Expanding Foam Insulation To Fill 6-3/4" Through 8-3/4" Deep Hollow Metal Door Frame	8.14	
07 21 19 00-0030		LF	Expanding Foam Insulation To Fill 8-7/8" Through 13" Deep Hollow Metal Door Frame	9.44	

07 21 19 00-0031 Expanding Foam Insulation To Fill Window Frames *(07 21 19)*

07 21 19 00-0032		LF	Expanding Foam Insulation To Fill Window Frame	4.52	

07 21 23 Loose-Fill Insulation *(07 21)*

07 21 23 00-0001 Poured Type, Loose Fill Insulation *(07 21 23)*

07 21 23 00-0002		CF	R-4/Inch, Poured Type, Fiberglass Loose Fill Insulation	6.93	2.64
07 21 23 00-0003		CF	R-3.8/Inch, Poured Type, Cellulose Loose Fill Insulation	7.54	2.64

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 23 00-0004		Concrete Block Wall Cavity Insulation *(07 21 23)*		
07 21 23 00-0005	CF	R-2.7, Vermiculite Or Perlite, Concrete Block Wall Cavity Insulation	10.04	2.64
07 21 23 00-0006	CF	R-4, Polystyrene Foam, Concrete Block Wall Cavity Insulation	9.94	2.64
07 21 26		**Blown Insulation** *(07 21)*		
07 21 26 00-0001		Fiberglass Blown-In Insulation *(07 21 26)*		
07 21 26 00-0002		Attic, Fiberglass Blown-In Insulation *(07 21 26 00-0001)*		
07 21 26 00-0003	SF	4-1/2" Thick, R-11 Attic, Fiberglass Blown In Insulation	1.52	1.20
07 21 26 00-0004	SF	5-1/4" Thick, R-13 Attic, Fiberglass Blown In Insulation	1.70	1.32
07 21 26 00-0005	SF	6-1/2" Thick, R-17 Attic, Fiberglass Blown In Insulation	1.88	1.43
07 21 26 00-0006	SF	7-1/2" Thick, R-19 Attic, Fiberglass Blown In Insulation	2.10	1.55
07 21 26 00-0007	SF	8-1/2" Thick, R-22 Attic, Fiberglass Blown In Insulation	2.25	1.62
07 21 26 00-0008	SF	10-1/4" Thick, R-26 Attic, Fiberglass Blown In Insulation	2.43	1.67
07 21 26 00-0009	SF	11-1/2" Thick, R-30 Attic, Fiberglass Blown In Insulation	2.63	1.74
07 21 26 00-0010	SF	12-1/2" Thick, R-32 Attic, Fiberglass Blown In Insulation	2.76	1.80
07 21 26 00-0011	SF	13-1/2" Thick, R-35 Attic, Fiberglass Blown In Insulation	2.97	1.92
07 21 26 00-0012	SF	14-1/2" Thick, R-38 Attic, Fiberglass Blown In Insulation	3.12	1.97
07 21 26 00-0013	SF	16-1/2" Thick, R-44 Attic, Fiberglass Blown In Insulation	3.38	2.04
07 21 26 00-0014	SF	18-1/2" Thick, R-49 Attic, Fiberglass Blown In Insulation	3.67	2.16
07 21 26 00-0015	SF	21-3/4" Thick, R-60 Attic, Fiberglass Blown In Insulation	4.25	2.39
07 21 26 00-0016		New Wall, Fiberglass Blown-In Insulation *(07 21 26 00-0001)*		
07 21 26 00-0017	SF	3-1/2" Thick, R-15 New Wall, Fiberglass Blown In Insulation	2.30	1.20
07 21 26 00-0018	SF	5-1/2" Thick, R-23 New Wall, Fiberglass Blown In Insulation	3.07	1.43
07 21 26 00-0019	SF	7-1/4" Thick, R-31 New Wall, Fiberglass Blown In Insulation	3.65	1.55
07 21 26 00-0020	SF	9-1/4" Thick, R-39 New Wall, Fiberglass Blown In Insulation	4.37	1.67
07 21 26 00-0021		Existing Wall, Fiberglass Blown-In Insulation *(07 21 26 00-0001)* Note: Includes drilling. Excludes patching.		
07 21 26 00-0022	SF	3-1/2" Thick, R-15 Existing Wall, Fiberglass Blown In Insulation	2.17	1.20
07 21 26 00-0023	SF	5-1/2" Thick, R-23 Existing Wall, Fiberglass Blown In Insulation	2.94	1.43
07 21 26 00-0024	SF	7-1/4" Thick, R-31 Existing Wall, Fiberglass Blown In Insulation	3.53	1.55
07 21 26 00-0025	SF	9-1/4" Thick, R-39 Existing Wall, Fiberglass Blown In Insulation	4.24	1.67
07 21 26 00-0026		Cellulose Blown-In Insulation *(07 21 26)*		
07 21 26 00-0027		Attic, Cellulose Blown-In Insulation *(07 21 26 00-0026)*		
07 21 26 00-0028	SF	3-3/4" Thick, R-13 Attic, Cellulose Blown In Insulation	1.64	1.20
07 21 26 00-0029	SF	5-1/2" Thick, R-19 Attic, Cellulose Blown In Insulation	1.99	1.32
07 21 26 00-0030	SF	6-1/4" Thick, R-22 Attic, Cellulose Blown In Insulation	2.22	1.43
07 21 26 00-0031	SF	7-3/4" Thick, R-28 Attic, Cellulose Blown In Insulation	2.61	1.55
07 21 26 00-0032	SF	8-1/2" Thick, R-30 Attic, Cellulose Blown In Insulation	2.67	1.55
07 21 26 00-0033	SF	10-3/4" Thick, R-38 Attic, Cellulose Blown In Insulation	3.13	1.67
07 21 26 00-0034	SF	11-1/4" Thick, R-40 Attic, Cellulose Blown In Insulation	3.22	1.67
07 21 26 00-0035	SF	12-1/2" Thick, R-45 Attic, Cellulose Blown In Insulation	3.55	1.80
07 21 26 00-0036	SF	13-3/4" Thick, R-50 Attic, Cellulose Blown In Insulation	3.79	1.80
07 21 26 00-0037	SF	15-1/2" Thick, R-55 Attic, Cellulose Blown In Insulation	4.11	1.92
07 21 26 00-0038	SF	16-1/2" Thick, R-60 Attic, Cellulose Blown In Insulation	4.35	1.92
07 21 26 00-0039		New Wall, Cellulose Blown-In Insulation *(07 21 26 00-0026)*		
07 21 26 00-0040	SF	3-1/2" Thick, R-13 New Wall, Cellulose Blown In Insulation	2.26	1.20
07 21 26 00-0041	SF	5-1/2" Thick, R-20 New Wall, Cellulose Blown In Insulation	3.03	1.43
07 21 26 00-0042	SF	7-1/4" Thick, R-27 New Wall, Cellulose Blown In Insulation	3.59	1.55
07 21 26 00-0043	SF	9-1/4" Thick, R-34 New Wall, Cellulose Blown In Insulation	4.28	1.67
07 21 26 00-0044		Existing Wall, Cellulose Blown-In Insulation *(07 21 26 00-0026)* Note: Includes drilling. Excludes patching.		
07 21 26 00-0045	SF	3-1/2" Thick, R-13 Existing Wall, Cellulose Blown In Insulation	2.14	1.20
07 21 26 00-0046	SF	5-1/2" Thick, R-20 Existing Wall, Cellulose Blown In Insulation	2.90	1.43
07 21 26 00-0047	SF	7-1/4" Thick, R-27 Existing Wall, Cellulose Blown In Insulation	3.46	1.55
07 21 26 00-0048	SF	9-1/4" Thick, R-34 Existing Wall, Cellulose Blown In Insulation	4.15	1.67
07 21 29		**Sprayed Insulation** *(07 21)*		
07 21 29 00-0001		Fiber Sprayed On Insulation *(07 21 29)* Note: Per each 1" of thickness.		
07 21 29 00-0002	SF	1" Thick, R2.7, Spray-on Perlite Insulation	2.67	0.75
07 21 29 00-0003	SF	1" Thick, R3.7, Spray-on Fibrous/Cementitious Insulation	1.95	0.75

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 29 00-0004		Cellulose Sprayed On Insulation *(07 21 29)*		
07 21 29 00-0005	SF	1" Thick, Spray-on Cellulose Insulation	3.88	0.75
07 21 53		**Reflective Insulation** *(07 21)*		
07 21 53 00-0001		Reflective Barrier Insulation (Foil - Single Bubble - Foil) *(07 21 53)*		
07 21 53 00-0002	SF	3/16" Nominal Thickness, Reflective Barrier Insulation, With Single Bubble Air Space	1.17	
07 21 53 00-0003		Reflective Radiant Foil Backed Paper *(07 21 53)*		
07 21 53 00-0004	CSF	Reflective Radiant Foil Backed Kraft Paper With Tape	71.88	23.29
		For >15' To 20' Installed Height, Add	*4.65*	
		For >20' To 25' Installed Height, Add	*6.97*	
		For >25' To 30' Installed Height, Add	*11.62*	
07 22		**Roof and Deck Insulation** *(07 20)*		
07 22 16		**Roof Board Insulation** *(07 22)*		
		Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements. Types are stock sizes set in cold applied adhesive. Apply modifiers for specified alternate attachment.		
07 22 16 00-0001		Rigid Board Roofing Insulation *(07 22 16)*		
		Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements. See CSI section 07 22 16 00-0466 for demolition of insulation board.		
07 22 16 00-0002		Cold Adhesive Applied Rigid Board Roofing Insulation *(07 22 16 00-0001)*		
07 22 16 00-0003		Cold Adhesive Applied, High-Density Fiberboard, Roof Board Insulation *(07 22 16 00-0002)*		
07 22 16 00-0004	SF	1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	2.66	
07 22 16 00-0005	SF	25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	3.10	
07 22 16 00-0006	SF	1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	3.52	
07 22 16 00-0007	SF	1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	4.31	
07 22 16 00-0008	SF	2" Thick, R5, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	5.09	
07 22 16 00-0009		Cold Adhesive Applied, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation *(07 22 16 00-0002)*		
07 22 16 00-0010	SF	1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Cold Adhesive Applied	2.90	
07 22 16 00-0011	SF	1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Cold Adhesive Applied	3.39	
07 22 16 00-0012		Cold Adhesive Applied, Perlite, Roof Board Insulation *(07 22 16 00-0002)*		
07 22 16 00-0013	SF	1/2" Thick, R1.32, Perlite, Roof Board Insulation, Cold Adhesive Applied	2.58	
07 22 16 00-0014	SF	1/2" Thick, R1.32, Perlite, Roof Board Insulation, Cold Adhesive Applied	2.58	
07 22 16 00-0015	SF	3/4" Thick, R2.08, Perlite, Roof Board Insulation, Cold Adhesive Applied	2.84	
07 22 16 00-0016	SF	1" Thick, R2.78, Perlite, Roof Board Insulation, Cold Adhesive Applied	3.14	
07 22 16 00-0017	SF	1-1/2" Thick, R4.17, Perlite, Roof Board Insulation, Cold Adhesive Applied	3.89	
07 22 16 00-0018	SF	2" Thick, R5.56, Perlite, Roof Board Insulation, Cold Adhesive Applied	4.38	
07 22 16 00-0019		Cold Adhesive Applied, Basalt Mineral Wool, Roof Board Insulation *(07 22 16 00-0002)*		
07 22 16 00-0020	SF	1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation, Cold Adhesive Applied	3.55	
07 22 16 00-0021	SF	2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation, Cold Adhesive Applied	4.75	
07 22 16 00-0022	SF	3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation, Cold Adhesive Applied	6.16	
07 22 16 00-0023		Cold Adhesive Applied, Foam Glass (Cellular Glass), Roof Board Insulation *(07 22 16 00-0002)*		
07 22 16 00-0024	SF	1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied	6.54	
07 22 16 00-0025	SF	2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied	7.70	
07 22 16 00-0026	SF	2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied	10.01	
07 22 16 00-0027	SF	3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied	13.12	
07 22 16 00-0028		Cold Adhesive Applied, Molded Expanded Polystyrene, Roof Board Insulation *(07 22 16 00-0002)*		
07 22 16 00-0029	SF	3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	2.24	
		For Loose-Laid, Deduct	*-1.23*	
07 22 16 00-0030	SF	1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	2.31	
		For Loose-Laid, Deduct	*-1.23*	
07 22 16 00-0031	SF	3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	2.60	
		For Loose-Laid, Deduct	*-1.23*	
07 22 16 00-0032	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	2.87	
		For Loose-Laid, Deduct	*-1.23*	
07 22 16 00-0033	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	4.00	
		For Loose-Laid, Deduct	*-1.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0034	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	5.11	
		For Loose-Laid, Deduct	*-1.26*	
07 22 16 00-0035	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	6.24	
		For Loose-Laid, Deduct	*-1.27*	
07 22 16 00-0036	SF	5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	7.36	
		For Loose-Laid, Deduct	*-1.29*	
07 22 16 00-0037	SF	6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	8.48	
		For Loose-Laid, Deduct	*-1.30*	

07 22 16 00-0038 Cold Adhesive Applied, Extruded Polystyrene, Roof Board Insulation *(07 22 16 00-0002)*

Note: 15 PSI compressive strength.

07 22 16 00-0039	SF	3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	3.30	
		For Loose-Laid, Deduct	*-1.32*	
		For 25 PSI Compressive Strength, Add	*0.33*	
		For 40 PSI Compressive Strength, Add	*0.79*	
		For 60 PSI Compressive Strength, Add	*1.26*	
		For 115 PSI Compressive Strength, Add	*5.44*	
07 22 16 00-0040	SF	1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	3.44	
		For Loose-Laid, Deduct	*-1.32*	
		For 25 PSI Compressive Strength, Add	*0.35*	
		For 40 PSI Compressive Strength, Add	*0.84*	
		For 60 PSI Compressive Strength, Add	*1.34*	
		For 115 PSI Compressive Strength, Add	*5.80*	
07 22 16 00-0041	SF	1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	4.37	
		For Loose-Laid, Deduct	*-1.32*	
		For 25 PSI Compressive Strength, Add	*0.50*	
		For 40 PSI Compressive Strength, Add	*1.19*	
		For 60 PSI Compressive Strength, Add	*1.88*	
		For 100 PSI Compressive Strength, Add	*2.42*	
		For 115 PSI Compressive Strength, Add	*8.19*	
07 22 16 00-0042	SF	2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	4.98	
		For Loose-Laid, Deduct	*-1.34*	
		For 25 PSI Compressive Strength, Add	*0.59*	
		For 40 PSI Compressive Strength, Add	*1.41*	
		For 60 PSI Compressive Strength, Add	*2.22*	
		For 115 PSI Compressive Strength, Add	*9.66*	
07 22 16 00-0043	SF	2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	6.02	
		For Loose-Laid, Deduct	*-1.34*	
		For 25 PSI Compressive Strength, Add	*0.76*	
		For 40 PSI Compressive Strength, Add	*1.81*	
		For 60 PSI Compressive Strength, Add	*2.82*	
		For 100 PSI Compressive Strength, Add	*3.63*	
		For 115 PSI Compressive Strength, Add	*12.33*	
07 22 16 00-0044	SF	3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	6.51	
		For Loose-Laid, Deduct	*-1.35*	
		For 25 PSI Compressive Strength, Add	*0.83*	
		For 40 PSI Compressive Strength, Add	*1.98*	
		For 60 PSI Compressive Strength, Add	*3.09*	
		For 115 PSI Compressive Strength, Add	*13.52*	
07 22 16 00-0045	SF	4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	7.29	
		For Loose-Laid, Deduct	*-1.37*	
		For 25 PSI Compressive Strength, Add	*0.95*	
		For 40 PSI Compressive Strength, Add	*2.26*	
		For 60 PSI Compressive Strength, Add	*3.52*	
		For 115 PSI Compressive Strength, Add	*15.45*	

07 22 16 00-0046 Cold Adhesive Applied, Polyisocyanurate Board Roofing Insulation *(07 22 16 00-0002)*

07 22 16 00-0047	SF	3/4" Thick, R4.3, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	2.97	
		For Loose-Laid, Deduct	*-1.32*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.17*	
07 22 16 00-0048	SF	1" Thick, R5.7, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	3.07	
		For Loose-Laid, Deduct	*-1.32*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.18*	
07 22 16 00-0049	SF	1-1/2" Thick, R8.6, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	3.25	
		For Loose-Laid, Deduct	*-1.33*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.20*	
07 22 16 00-0050	SF	2" Thick, R11.4, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	3.69	
		For Loose-Laid, Deduct	*-1.34*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.24*	
07 22 16 00-0051	SF	2-1/2" Thick, R14.4, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	4.13	
		For Loose-Laid, Deduct	*-1.34*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.29*	
07 22 16 00-0052	SF	3" Thick, R17.4, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	4.57	
		For Loose-Laid, Deduct	*-1.35*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0053	SF	3-1/2" Thick, R20.5, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	5.05	
		For Loose-Laid, Deduct	*-1.36*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.37*	
07 22 16 00-0054	SF	4" Thick, R23.6, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	5.48	
		For Loose-Laid, Deduct	*-1.37*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.42*	
07 22 16 00-0055		**Cold Adhesive Applied, High-Density Polyisocyanurate Cover Board And Roofing Insulation** *(07 22 16 00-0002)*		
07 22 16 00-0056	SF	1/2" Thick, R2.5, High-Density Polyisocyanurate Cover Board And Roofing Insulation, Cold Adhesive Applied	3.44	
07 22 16 00-0057		**Cold Adhesive Applied, Gypsum-Fiber, Roof Board Insulation (USG Securock)** *(07 22 16 00-0002)*		
07 22 16 00-0058	SF	1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied	3.27	
07 22 16 00-0059	SF	3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied	3.46	
07 22 16 00-0060	SF	1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied	3.59	
07 22 16 00-0061	SF	5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied	3.66	
07 22 16 00-0062		**Cold Adhesive Applied, Glass-Mat, Roof Board Insulation (USG Securock)** *(07 22 16 00-0002)*		
07 22 16 00-0063	SF	1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Cold Adhesive Applied	3.20	
07 22 16 00-0064	SF	1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Cold Adhesive Applied	3.49	
07 22 16 00-0065	SF	5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Cold Adhesive Applied	3.56	
07 22 16 00-0066		**Cold Adhesive Applied, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation** *(07 22 16 00-0002)*		
		Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer.		
07 22 16 00-0067	SF	1.5" Thick, R6.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	5.45	
07 22 16 00-0068	SF	2" Thick, R9.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	5.72	
07 22 16 00-0069	SF	2.5" Thick, R12.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	6.09	
07 22 16 00-0070	SF	3" Thick, R15.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	6.32	
07 22 16 00-0071	SF	3.5" Thick, R18.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	6.85	
07 22 16 00-0072	SF	4" Thick, R21.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	7.08	
07 22 16 00-0073	SF	4.5" Thick, R24.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	7.45	
07 22 16 00-0074		**Cold Adhesive Applied, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation** *(07 22 16 00-0002)*		
		Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer.		
07 22 16 00-0075	SF	2.5" Thick, R5.7, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	5.50	
07 22 16 00-0076	SF	3" Thick, R8.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	5.98	
07 22 16 00-0077	SF	3.5" Thick, R11.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	6.55	
07 22 16 00-0078	SF	4" Thick, R14.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	6.91	
07 22 16 00-0079	SF	4.5" Thick, R17.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	7.38	
07 22 16 00-0080	SF	5" Thick, R20.5, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	7.89	
07 22 16 00-0081	SF	5.5" Thick, R23.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	8.81	
07 22 16 00-0082		**Hot-Mopped Rigid Board Roofing Insulation** *(07 22 16 00-0001)*		
07 22 16 00-0083		**Hot-Mopped, High-Density Fiberboard, Roof Board Insulation** *(07 22 16 00-0082)*		
07 22 16 00-0084	SF	1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped	2.38	
07 22 16 00-0085	SF	25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped	2.81	
07 22 16 00-0086	SF	1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped	3.25	
07 22 16 00-0087	SF	1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped	4.05	
07 22 16 00-0088	SF	2" Thick, R5, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped	4.85	
07 22 16 00-0089		**Hot-Mopped, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation** *(07 22 16 00-0082)*		
07 22 16 00-0090	SF	1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Hot-Mopped	2.62	
07 22 16 00-0091	SF	1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Hot-Mopped	3.12	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0092		**Hot-Mopped, Perlite, Roof Board Insulation** *(07 22 16 00-0082)*		
07 22 16 00-0093	SF	1/2" Thick, R1.32, Perlite, Roof Board Insulation, Hot-Mopped	2.27	
07 22 16 00-0094	SF	3/4" Thick, R2.08, Perlite, Roof Board Insulation, Hot-Mopped	2.52	
07 22 16 00-0095	SF	1" Thick, R2.78, Perlite, Roof Board Insulation, Hot-Mopped	2.84	
07 22 16 00-0096	SF	1-1/2" Thick, R4.17, Perlite, Roof Board Insulation, Hot-Mopped	3.58	
07 22 16 00-0097	SF	2" Thick, R5.56, Perlite, Roof Board Insulation, Hot-Mopped	4.07	
07 22 16 00-0098		**Hot-Mopped, Basalt Mineral Wool, Roof Board Insulation** *(07 22 16 00-0082)*		
07 22 16 00-0099	SF	1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation, Hot-Mopped	3.25	
07 22 16 00-0100	SF	2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation, Hot-Mopped	4.44	
07 22 16 00-0101	SF	3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation, Hot-Mopped	5.87	
07 22 16 00-0102		**Hot-Mopped, Foam Glass (Cellular Glass), Roof Board Insulation** *(07 22 16 00-0082)*		
07 22 16 00-0103	SF	1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped	6.23	
07 22 16 00-0104	SF	2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped	7.39	
07 22 16 00-0105	SF	2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped	9.72	
07 22 16 00-0106	SF	3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped	12.83	
07 22 16 00-0107		**Hot-Mopped, Molded Expanded Polystyrene, Roof Board Insulation** *(07 22 16 00-0082)*		
07 22 16 00-0108	SF	3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	1.92	
07 22 16 00-0109	SF	1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	1.99	
07 22 16 00-0110	SF	3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	2.17	
07 22 16 00-0111	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	2.54	
07 22 16 00-0112	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	3.67	
07 22 16 00-0113	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	4.80	
07 22 16 00-0114	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	5.92	
07 22 16 00-0115	SF	5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	7.05	
07 22 16 00-0116	SF	6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	8.17	
07 22 16 00-0117		**Hot-Mopped, Extruded Polystyrene, Roof Board Insulation** *(07 22 16 00-0082)*		
		Note: 15 PSI compressive strength.		
07 22 16 00-0118	SF	3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	2.98	
		For 25 PSI Compressive Strength, Add	*0.26*	
		For 40 PSI Compressive Strength, Add	*0.62*	
		For 60 PSI Compressive Strength, Add	*1.02*	
		For 115 PSI Compressive Strength, Add	*4.35*	
07 22 16 00-0119	SF	1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	3.14	
		For 25 PSI Compressive Strength, Add	*0.28*	
		For 40 PSI Compressive Strength, Add	*0.68*	
		For 60 PSI Compressive Strength, Add	*1.10*	
		For 115 PSI Compressive Strength, Add	*4.71*	
07 22 16 00-0120	SF	1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	4.07	
		For 25 PSI Compressive Strength, Add	*0.43*	
		For 40 PSI Compressive Strength, Add	*1.03*	
		For 60 PSI Compressive Strength, Add	*1.64*	
		For 100 PSI Compressive Strength, Add	*2.10*	
		For 115 PSI Compressive Strength, Add	*7.10*	
07 22 16 00-0121	SF	2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	4.82	
		For 25 PSI Compressive Strength, Add	*0.52*	
		For 40 PSI Compressive Strength, Add	*1.25*	
		For 60 PSI Compressive Strength, Add	*1.98*	
		For 115 PSI Compressive Strength, Add	*8.58*	
07 22 16 00-0122	SF	2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	18.24	
		For 25 PSI Compressive Strength, Add	*0.69*	
		For 40 PSI Compressive Strength, Add	*1.64*	
		For 60 PSI Compressive Strength, Add	*3.20*	
		For 100 PSI Compressive Strength, Add	*3.94*	
		For 115 PSI Compressive Strength, Add	*12.49*	
07 22 16 00-0123	SF	3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	6.22	
		For 25 PSI Compressive Strength, Add	*0.76*	
		For 40 PSI Compressive Strength, Add	*1.82*	
		For 60 PSI Compressive Strength, Add	*2.84*	
		For 115 PSI Compressive Strength, Add	*12.43*	
07 22 16 00-0124	SF	4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	7.00	
		For 25 PSI Compressive Strength, Add	*0.88*	
		For 40 PSI Compressive Strength, Add	*2.10*	
		For 60 PSI Compressive Strength, Add	*3.28*	
		For 115 PSI Compressive Strength, Add	*14.36*	
07 22 16 00-0125		**Hot-Mopped, Polyisocyanurate Board Roofing Insulation** *(07 22 16 00-0082)*		
07 22 16 00-0126	SF	3/4" Thick, R4.3, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	2.66	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0127	SF	1" Thick, R5.7, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	2.77	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.14*	
07 22 16 00-0128	SF	1-1/2" Thick, R8.6, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	2.93	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.16*	
07 22 16 00-0129	SF	2" Thick, R11.4, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	3.38	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.20*	
07 22 16 00-0130	SF	2-1/2" Thick, R14.4, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	3.84	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.24*	
07 22 16 00-0131	SF	3" Thick, R17.4, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	4.28	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.28*	
07 22 16 00-0132	SF	3-1/2" Thick, R20.5, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	4.62	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.33*	
07 22 16 00-0133	SF	4" Thick, R23.6, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	5.19	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.37*	

07 22 16 00-0134 Hot-Mopped, Gypsum-Fiber, Roof Board Insulation (USG Securock) *(07 22 16 00-0082)*

07 22 16 00-0135	SF	1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped	2.99	
07 22 16 00-0136	SF	3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped	3.18	
07 22 16 00-0137	SF	1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped	3.31	
07 22 16 00-0138	SF	5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped	3.38	

07 22 16 00-0139 Hot-Mopped, Glass-Mat, Roof Board Insulation (USG Securock) *(07 22 16 00-0082)*

07 22 16 00-0140	SF	1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Hot-Mopped	2.92	
07 22 16 00-0141	SF	1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Hot-Mopped	3.21	
07 22 16 00-0142	SF	5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Hot-Mopped	3.28	

07 22 16 00-0143 Mechanically Fastened Rigid Board Roofing Insulation *(07 22 16 00-0001)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0144 Mechanically Fastened, High-Density Fiberboard, Roof Board Insulation *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0145	SF	1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened	2.45	
		For Mechanically Fastened To Concrete, Add	*1.73*	
		For Mechanically Fastened To Gypsum, Add	*2.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.77*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.76*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.15*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.80*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.13*	
07 22 16 00-0146	SF	25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened	2.89	
		For Mechanically Fastened To Concrete, Add	*1.73*	
		For Mechanically Fastened To Gypsum, Add	*2.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.77*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.72*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.76*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.15*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.83*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.13*	
07 22 16 00-0147	SF	1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened	3.31	
		For Mechanically Fastened To Concrete, Add	*1.73*	
		For Mechanically Fastened To Gypsum, Add	*2.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.77*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.76*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.15*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.85*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.13*	
07 22 16 00-0148	SF	1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened	4.19	
		For Mechanically Fastened To Concrete, Add	*1.79*	
		For Mechanically Fastened To Gypsum, Add	*2.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.95*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.39*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.76*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.41*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.57*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0149	SF	2" Thick, R5, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened	4.97	
		For Mechanically Fastened To Concrete, Add	*1.79*	
		For Mechanically Fastened To Gypsum, Add	*2.19*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.95*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.39*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.79*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.41*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.57*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.17*	

07 22 16 00-0150 Mechanically Fastened, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0151	SF	1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Mechanically Fastened	2.69	
		For Mechanically Fastened To Concrete, Add	*1.73*	
		For Mechanically Fastened To Gypsum, Add	*2.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.77*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.76*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.15*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.85*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.13*	
07 22 16 00-0152	SF	1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Mechanically Fastened	3.18	
		For Mechanically Fastened To Concrete, Add	*1.73*	
		For Mechanically Fastened To Gypsum, Add	*2.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.77*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.76*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.15*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.85*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.13*	

07 22 16 00-0153 Mechanically Fastened, Perlite, Roof Board Insulation *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0154	SF	1/2" Thick, R1.32, Perlite, Roof Board Insulation, Mechanically Fastened	2.37	
		For Mechanically Fastened To Concrete, Add	*1.73*	
		For Mechanically Fastened To Gypsum, Add	*2.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.77*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.63*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.76*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.15*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.74*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.13*	
07 22 16 00-0155	SF	3/4" Thick, R2.08, Perlite, Roof Board Insulation, Mechanically Fastened	2.63	
		For Mechanically Fastened To Concrete, Add	*1.73*	
		For Mechanically Fastened To Gypsum, Add	*2.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.77*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.64*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.76*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.15*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.75*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.13*	
07 22 16 00-0156	SF	1" Thick, R2.78, Perlite, Roof Board Insulation, Mechanically Fastened	2.93	
		For Mechanically Fastened To Concrete, Add	*1.73*	
		For Mechanically Fastened To Gypsum, Add	*2.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.77*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.64*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.76*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.15*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.75*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.13*	
07 22 16 00-0157	SF	1-1/2" Thick, R4.17, Perlite, Roof Board Insulation, Mechanically Fastened	3.78	
		For Mechanically Fastened To Concrete, Add	*1.79*	
		For Mechanically Fastened To Gypsum, Add	*2.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.95*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.39*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.76*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.41*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.57*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.13*	
07 22 16 00-0158	SF	2" Thick, R5.56, Perlite, Roof Board Insulation, Mechanically Fastened	4.26	
		For Mechanically Fastened To Concrete, Add	*1.79*	
		For Mechanically Fastened To Gypsum, Add	*2.19*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.95*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.39*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.79*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.41*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.57*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.17*	

07 22 16 00-0159 Mechanically Fastened, Basalt Mineral Wool, Roof Board Insulation *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0160	SF	1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation, Mechanically Fastened	3.34	
		For Mechanically Fastened To Concrete, Add	*1.73*	
		For Mechanically Fastened To Gypsum, Add	*2.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.77*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.64*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.76*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.15*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.75*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.13*	
07 22 16 00-0161	SF	2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation, Mechanically Fastened	4.63	
		For Mechanically Fastened To Concrete, Add	*1.79*	
		For Mechanically Fastened To Gypsum, Add	*2.19*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.95*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.39*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.79*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.41*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.57*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.17*	
07 22 16 00-0162	SF	3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation, Mechanically Fastened	6.14	
		For Mechanically Fastened To Concrete, Add	*1.84*	
		For Mechanically Fastened To Gypsum, Add	*2.28*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.08*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.02*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.62*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.22*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.45*	

07 22 16 00-0163 Mechanically Fastened, Foam Glass (Cellular Glass), Roof Board Insulation *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0164	SF	1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened	6.42	
		For Mechanically Fastened To Concrete, Add	*1.79*	
		For Mechanically Fastened To Gypsum, Add	*2.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.95*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.39*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.76*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.41*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.57*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.13*	
07 22 16 00-0165	SF	2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened	7.59	
		For Mechanically Fastened To Concrete, Add	*1.79*	
		For Mechanically Fastened To Gypsum, Add	*2.19*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.95*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.39*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.79*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.41*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.57*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.17*	
07 22 16 00-0166	SF	2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened	9.99	
		For Mechanically Fastened To Concrete, Add	*1.84*	
		For Mechanically Fastened To Gypsum, Add	*2.28*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.08*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.02*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.62*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.22*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.45*	
07 22 16 00-0167	SF	3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened	13.26	
		For Mechanically Fastened To Concrete, Add	*1.89*	
		For Mechanically Fastened To Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.27*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.49*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.91*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.10*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.01*	

07 22 16 00-0168 Mechanically Fastened, Molded Expanded Polystyrene, Roof Board Insulation *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0169	SF	3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	2.03	
		For Mechanically Fastened To Concrete, Add	*1.73*	
		For Mechanically Fastened To Gypsum, Add	*2.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.77*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.58*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.76*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.15*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.69*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.13*	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0170	SF	1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	2.10	
		For Mechanically Fastened To Concrete, Add	*1.73*	
		For Mechanically Fastened To Gypsum, Add	*2.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.77*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.58*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.76*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.15*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.69*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.13*	
07 22 16 00-0171	SF	3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	2.39	
		For Mechanically Fastened To Concrete, Add	*1.73*	
		For Mechanically Fastened To Gypsum, Add	*2.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.77*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.58*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.76*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.15*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.69*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.13*	
07 22 16 00-0172	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	2.66	
		For Mechanically Fastened To Concrete, Add	*1.73*	
		For Mechanically Fastened To Gypsum, Add	*2.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.77*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.58*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.76*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.15*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.69*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.13*	
07 22 16 00-0173	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	3.88	
		For Mechanically Fastened To Concrete, Add	*1.79*	
		For Mechanically Fastened To Gypsum, Add	*2.19*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.95*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.39*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.79*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.41*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.57*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.17*	
07 22 16 00-0174	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	5.09	
		For Mechanically Fastened To Concrete, Add	*1.84*	
		For Mechanically Fastened To Gypsum, Add	*2.28*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.08*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.90*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.02*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.62*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.16*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.45*	
07 22 16 00-0175	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	6.37	
		For Mechanically Fastened To Concrete, Add	*1.89*	
		For Mechanically Fastened To Gypsum, Add	*2.29*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.27*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.13*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.91*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.10*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.70*	
07 22 16 00-0176	SF	5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	7.69	
		For Mechanically Fastened To Concrete, Add	*1.94*	
		For Mechanically Fastened To Gypsum, Add	*2.25*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.52*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.98*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.68*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.27*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.46*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.32*	
07 22 16 00-0177	SF	6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	9.35	
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.84*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.32*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.77*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.98*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.71*	

07 22 16 00-0178 Mechanically Fastened, Extruded Polystyrene, Roof Board Insulation *(07 22 16 00-0143)*

Note: 15 PSI compressive strength. Mechanically fastened to wood or steel.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0179	SF	3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	3.09	
		For 25 PSI Compressive Strength, Add	*0.30*	
		For 40 PSI Compressive Strength, Add	*0.71*	
		For 60 PSI Compressive Strength, Add	*1.14*	
		For 115 PSI Compressive Strength, Add	*4.90*	
		For Mechanically Fastened To Concrete, Add	*1.73*	
		For Mechanically Fastened To Gypsum, Add	*2.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.77*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.64*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.76*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.15*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.75*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.13*	
07 22 16 00-0180	SF	1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	3.23	
		For 25 PSI Compressive Strength, Add	*0.32*	
		For 40 PSI Compressive Strength, Add	*0.76*	
		For 60 PSI Compressive Strength, Add	*1.22*	
		For 115 PSI Compressive Strength, Add	*5.26*	
		For Mechanically Fastened To Concrete, Add	*1.73*	
		For Mechanically Fastened To Gypsum, Add	*2.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.77*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.64*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.76*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.15*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.75*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.13*	
07 22 16 00-0181	SF	1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	4.25	
		For 25 PSI Compressive Strength, Add	*0.48*	
		For 40 PSI Compressive Strength, Add	*1.15*	
		For 60 PSI Compressive Strength, Add	*1.81*	
		For 100 PSI Compressive Strength, Add	*2.33*	
		For 115 PSI Compressive Strength, Add	*7.88*	
		For Mechanically Fastened To Concrete, Add	*1.79*	
		For Mechanically Fastened To Gypsum, Add	*2.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.95*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.39*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.76*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.41*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.57*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.13*	
07 22 16 00-0182	SF	2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	4.86	
		For 25 PSI Compressive Strength, Add	*0.57*	
		For 40 PSI Compressive Strength, Add	*1.36*	
		For 60 PSI Compressive Strength, Add	*2.15*	
		For 115 PSI Compressive Strength, Add	*9.35*	
		For Mechanically Fastened To Concrete, Add	*1.79*	
		For Mechanically Fastened To Gypsum, Add	*2.19*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.95*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.39*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.79*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.41*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.57*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.17*	
07 22 16 00-0183	SF	2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	6.00	
		For 25 PSI Compressive Strength, Add	*0.76*	
		For 40 PSI Compressive Strength, Add	*1.80*	
		For 60 PSI Compressive Strength, Add	*2.81*	
		For 100 PSI Compressive Strength, Add	*3.61*	
		For 115 PSI Compressive Strength, Add	*12.28*	
		For Mechanically Fastened To Concrete, Add	*1.84*	
		For Mechanically Fastened To Gypsum, Add	*2.22*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.08*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.95*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.92*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.62*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.21*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.36*	
07 22 16 00-0184	SF	3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	6.49	
		For 25 PSI Compressive Strength, Add	*0.83*	
		For 40 PSI Compressive Strength, Add	*1.97*	
		For 60 PSI Compressive Strength, Add	*3.08*	
		For 115 PSI Compressive Strength, Add	*13.47*	
		For Mechanically Fastened To Concrete, Add	*1.84*	
		For Mechanically Fastened To Gypsum, Add	*2.28*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.08*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.02*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.62*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.22*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0185	SF	4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	7.42	
		For 25 PSI Compressive Strength, Add	*0.97*	
		For 40 PSI Compressive Strength, Add	*2.31*	
		For 60 PSI Compressive Strength, Add	*3.60*	
		For 115 PSI Compressive Strength, Add	*15.78*	
		For Mechanically Fastened To Concrete, Add	*1.89*	
		For Mechanically Fastened To Gypsum, Add	*2.29*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.27*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.13*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.91*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.10*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.70*	

07 22 16 00-0186 Mechanically Fastened, Polyisocyanurate Board Roofing Insulation *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0187	SF	3/4" Thick, R4.3, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	2.76	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.15*	
		For Mechanically Fastened To Concrete, Add	*1.73*	
		For Mechanically Fastened To Gypsum, Add	*2.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.77*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.64*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.76*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.15*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.75*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.13*	
07 22 16 00-0188	SF	1" Thick, R5.7, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	2.86	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.16*	
		For Mechanically Fastened To Concrete, Add	*1.73*	
		For Mechanically Fastened To Gypsum, Add	*2.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.77*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.64*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.76*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.15*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.75*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.13*	
07 22 16 00-0189	SF	1-1/2" Thick, R8.6, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	3.13	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.19*	
		For Mechanically Fastened To Concrete, Add	*1.79*	
		For Mechanically Fastened To Gypsum, Add	*2.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.95*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.39*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.76*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.41*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.57*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.13*	
07 22 16 00-0190	SF	2" Thick, R11.4, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	3.57	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.23*	
		For Mechanically Fastened To Concrete, Add	*1.79*	
		For Mechanically Fastened To Gypsum, Add	*2.19*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.95*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.39*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.79*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.41*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.57*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.17*	
07 22 16 00-0191	SF	2-1/2" Thick, R14.4, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	4.10	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.28*	
		For Mechanically Fastened To Concrete, Add	*1.84*	
		For Mechanically Fastened To Gypsum, Add	*2.22*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.08*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.95*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.92*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.62*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.21*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.36*	
07 22 16 00-0192	SF	3" Thick, R17.4, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	4.55	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.33*	
		For Mechanically Fastened To Concrete, Add	*1.84*	
		For Mechanically Fastened To Gypsum, Add	*2.28*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.08*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.02*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.62*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.22*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0193	SF	3-1/2" Thick, R20.5, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	5.18	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.39*	
		For Mechanically Fastened To Concrete, Add	*1.89*	
		For Mechanically Fastened To Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.27*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.49*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.91*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.10*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.01*	
07 22 16 00-0194	SF	4" Thick, R23.6, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	5.61	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.43*	
		For Mechanically Fastened To Concrete, Add	*1.89*	
		For Mechanically Fastened To Gypsum, Add	*2.29*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.27*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.13*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.91*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.10*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.70*	

07 22 16 00-0195 Mechanically Fastened, High-Density Polyisocyanurate Cover Board And Roofing Insulation *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0196	SF	1/2" Thick, R2.5, High-Density Polyisocyanurate Cover Board And Roofing Insulation, Mechanically Fastened	3.23	
		For Mechanically Fastened To Concrete, Add	*1.73*	
		For Mechanically Fastened To Gypsum, Add	*2.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.77*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.76*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.15*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.80*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.13*	

07 22 16 00-0197 Mechanically Fastened, Gypsum-Fiber, Roof Board Insulation (USG Securock) *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0198	SF	1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened	3.06	
		For Mechanically Fastened To Concrete, Add	*1.73*	
		For Mechanically Fastened To Gypsum, Add	*2.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.77*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.76*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.15*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.80*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.13*	
07 22 16 00-0199	SF	3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened	3.25	
		For Mechanically Fastened To Concrete, Add	*1.73*	
		For Mechanically Fastened To Gypsum, Add	*2.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.77*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.76*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.15*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.80*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.13*	
07 22 16 00-0200	SF	1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened	3.38	
		For Mechanically Fastened To Concrete, Add	*1.73*	
		For Mechanically Fastened To Gypsum, Add	*2.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.77*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.76*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.15*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.80*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.13*	
07 22 16 00-0201	SF	5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened	3.45	
		For Mechanically Fastened To Concrete, Add	*1.73*	
		For Mechanically Fastened To Gypsum, Add	*2.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.77*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.76*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.15*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.80*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.13*	

07 22 16 00-0202 Mechanically Fastened, Glass-Mat, Roof Board Insulation (USG Securock) *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.

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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0203	SF	1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Mechanically Fastened	2.99	
		For Mechanically Fastened To Concrete, Add	*1.73*	
		For Mechanically Fastened To Gypsum, Add	*2.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.77*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.76*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.15*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.80*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.13*	
07 22 16 00-0204	SF	1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Mechanically Fastened	3.28	
		For Mechanically Fastened To Concrete, Add	*1.73*	
		For Mechanically Fastened To Gypsum, Add	*2.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.77*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.76*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.15*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.80*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.13*	
07 22 16 00-0205	SF	5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Mechanically Fastened	3.35	
		For Mechanically Fastened To Concrete, Add	*1.73*	
		For Mechanically Fastened To Gypsum, Add	*2.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.77*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.69*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.76*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.15*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.80*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.13*	

07 22 16 00-0206 Mechanically Fastened, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation *(07 22 16 00-0143)*

Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer. Mechanically fastened to wood or steel.

07 22 16 00-0207	SF	1.5" Thick, R6.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	5.34	
		For Mechanically Fastened To Concrete, Add	*1.79*	
		For Mechanically Fastened To Gypsum, Add	*2.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.95*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.39*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.79*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.41*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.57*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.17*	
07 22 16 00-0208	SF	2" Thick, R9.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	5.61	
		For Mechanically Fastened To Concrete, Add	*1.79*	
		For Mechanically Fastened To Gypsum, Add	*2.19*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.95*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.39*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.79*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.41*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.57*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.17*	
07 22 16 00-0209	SF	2.5" Thick, R12.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	6.07	
		For Mechanically Fastened To Concrete, Add	*1.84*	
		For Mechanically Fastened To Gypsum, Add	*2.22*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.08*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.15*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.92*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.62*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.41*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.36*	
07 22 16 00-0210	SF	3" Thick, R15.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	6.29	
		For Mechanically Fastened To Concrete, Add	*1.84*	
		For Mechanically Fastened To Gypsum, Add	*2.28*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.08*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.16*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.02*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.62*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.42*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.45*	
07 22 16 00-0211	SF	3.5" Thick, R18.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	6.99	
		For Mechanically Fastened To Concrete, Add	*1.89*	
		For Mechanically Fastened To Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.27*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.70*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.91*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.10*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0212	SF	4" Thick, R21.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	7.21	
		For Mechanically Fastened To Concrete, Add	*1.89*	
		For Mechanically Fastened To Gypsum, Add	*2.29*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.27*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.13*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.91*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.10*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.70*	
07 22 16 00-0213	SF	4.5" Thick, R24.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	7.77	
		For Mechanically Fastened To Concrete, Add	*1.94*	
		For Mechanically Fastened To Gypsum, Add	*2.25*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.52*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.98*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.99*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.27*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.46*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.63*	

07 22 16 00-0214 Mechanically Fastened, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation *(07 22 16 00-0143)*

Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer. Mechanically fastened to wood or steel.

07 22 16 00-0215	SF	2.5" Thick, R5.7, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened	5.48	
		For Mechanically Fastened To Concrete, Add	*1.84*	
		For Mechanically Fastened To Gypsum, Add	*2.22*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.08*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.14*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.92*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.62*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.40*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.36*	
07 22 16 00-0216	SF	3" Thick, R8.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened	5.95	
		For Mechanically Fastened To Concrete, Add	*1.84*	
		For Mechanically Fastened To Gypsum, Add	*2.28*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.08*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.14*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.02*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.62*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.40*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.45*	
07 22 16 00-0217	SF	3.5" Thick, R11.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened	6.68	
		For Mechanically Fastened To Concrete, Add	*1.89*	
		For Mechanically Fastened To Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.27*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.68*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.91*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.10*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.20*	
07 22 16 00-0218	SF	4" Thick, R14.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened	7.04	
		For Mechanically Fastened To Concrete, Add	*1.89*	
		For Mechanically Fastened To Gypsum, Add	*2.29*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.27*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.13*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.91*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.10*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.70*	
07 22 16 00-0219	SF	4.5" Thick, R17.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened	7.71	
		For Mechanically Fastened To Concrete, Add	*1.94*	
		For Mechanically Fastened To Gypsum, Add	*2.25*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.52*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.98*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.93*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.27*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.46*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.57*	
07 22 16 00-0220	SF	5" Thick, R20.5, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened	8.21	
		For Mechanically Fastened To Concrete, Add	*1.94*	
		For Mechanically Fastened To Gypsum, Add	*2.25*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.52*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.98*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.27*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.46*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0221	SF	5.5" Thick, R23.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened	9.43	
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.84*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.32*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*4.25*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.77*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.98*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*6.02*	

07 22 16 00-0222 Rigid Board Tapered Roofing Insulation *(07 22 16)*

Note: Includes tapered board and filler board required to maintain slope starting at 1/2" minimum thickness. Excludes base layer of board, if required. Average thickness and average R-value of tapered system excludes thickness and R-value of base layer insulation and/or cover board. See CSI section 07 22 16 00-0466 for demolition of insulation board.

07 22 16 00-0223 Cold Adhesive Applied Rigid Board Tapered Roofing Insulation *(07 22 16 00-0222)*

07 22 16 00-0224 Cold Adhesive Applied, Tapered Polyisocyanurate Board *(07 22 16 00-0223)*

Note: Includes polyurethane adhesive.

07 22 16 00-0225 Cold Adhesive Applied, 1/8" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0224)*

07 22 16 00-0226	SF	2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	5.32	
		For 25 PSI Compressive Strength, Add	*0.35*	
07 22 16 00-0227	SF	2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	7.31	
		For 25 PSI Compressive Strength, Add	*0.40*	
07 22 16 00-0228	SF	3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	7.93	
		For 25 PSI Compressive Strength, Add	*0.46*	
07 22 16 00-0229	SF	3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	8.55	
		For 25 PSI Compressive Strength, Add	*0.53*	
07 22 16 00-0230	SF	4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	9.16	
		For 25 PSI Compressive Strength, Add	*0.59*	
07 22 16 00-0231	SF	4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	11.16	
		For 25 PSI Compressive Strength, Add	*0.64*	
07 22 16 00-0232	SF	5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	11.78	
		For 25 PSI Compressive Strength, Add	*0.70*	
07 22 16 00-0233	SF	5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	12.40	
		For 25 PSI Compressive Strength, Add	*0.77*	
07 22 16 00-0234	SF	6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	13.02	
		For 25 PSI Compressive Strength, Add	*0.83*	
07 22 16 00-0235	SF	6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	14.99	
		For 25 PSI Compressive Strength, Add	*0.88*	

07 22 16 00-0236 Cold Adhesive Applied, 1/4" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0224)*

07 22 16 00-0237	SF	2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	5.01	
		For 25 PSI Compressive Strength, Add	*0.32*	
07 22 16 00-0238	SF	3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	7.62	
		For 25 PSI Compressive Strength, Add	*0.43*	
07 22 16 00-0239	SF	4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	8.86	
		For 25 PSI Compressive Strength, Add	*0.56*	
07 22 16 00-0240	SF	5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	11.47	
		For 25 PSI Compressive Strength, Add	*0.67*	
07 22 16 00-0241	SF	6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	12.71	
		For 25 PSI Compressive Strength, Add	*0.80*	
07 22 16 00-0242	SF	7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	15.30	
		For 25 PSI Compressive Strength, Add	*0.91*	

07 22 16 00-0243 Cold Adhesive Applied, 1/2" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0224)*

07 22 16 00-0244	SF	3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	8.24	
		For 25 PSI Compressive Strength, Add	*0.50*	
07 22 16 00-0245	SF	5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	12.09	
		For 25 PSI Compressive Strength, Add	*0.73*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0246	SF	7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	15.92	
		For 25 PSI Compressive Strength, Add	*0.97*	
07 22 16 00-0247	SF	9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	19.77	
		For 25 PSI Compressive Strength, Add	*1.21*	

07 22 16 00-0248 Cold Adhesive Applied, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0223)*

Note: Includes polyurethane adhesive.

07 22 16 00-0249 Cold Adhesive Applied, 1/8" Slope, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0248)*

07 22 16 00-0250	SF	2.25" Average Thickness (10.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	4.63	
07 22 16 00-0251	SF	2.75" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	6.65	
07 22 16 00-0252	SF	3.25" Average Thickness (14.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	7.11	
07 22 16 00-0253	SF	3.75" Average Thickness (16.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	7.58	
07 22 16 00-0254	SF	4.25" Average Thickness (19.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	8.04	
07 22 16 00-0255	SF	4.75" Average Thickness (21.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	10.07	
07 22 16 00-0256	SF	5.25" Average Thickness (23.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	10.53	
07 22 16 00-0257	SF	5.75" Average Thickness (25.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	11.00	
07 22 16 00-0258	SF	6.25" Average Thickness (28.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	11.46	
07 22 16 00-0259	SF	6.75" Average Thickness (30.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	13.47	

07 22 16 00-0260 Cold Adhesive Applied, 1/4" Slope, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0248)*

07 22 16 00-0261	SF	2" Average Thickness (9 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	4.39	
07 22 16 00-0262	SF	3" Average Thickness (13.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	6.88	
07 22 16 00-0263	SF	4" Average Thickness (18 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	7.81	
07 22 16 00-0264	SF	5" Average Thickness (22.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	10.30	
07 22 16 00-0265	SF	6" Average Thickness (27 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	11.23	
07 22 16 00-0266	SF	7" Average Thickness (31.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	13.71	

07 22 16 00-0267 Cold Adhesive Applied, 1/2" Slope, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0248)*

07 22 16 00-0268	SF	3.5" Average Thickness (15.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	7.35	
07 22 16 00-0269	SF	5.5" Average Thickness (24.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	10.77	
07 22 16 00-0270	SF	7.5" Average Thickness (33.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	14.17	
07 22 16 00-0271	SF	9.5" Average Thickness (42.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	18.06	

07 22 16 00-0272 Cold Adhesive Applied, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0223)*

Note: Includes polyurethane adhesive.

07 22 16 00-0273 Cold Adhesive Applied, 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0272)*

07 22 16 00-0274	SF	2.25" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	5.18	
07 22 16 00-0275	SF	2.75" Average Thickness (15.125 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	7.17	
07 22 16 00-0276	SF	3.25" Average Thickness (17.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	7.76	
07 22 16 00-0277	SF	3.75" Average Thickness (20.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	8.35	
07 22 16 00-0278	SF	4.25" Average Thickness (23.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	8.94	
07 22 16 00-0279	SF	4.75" Average Thickness (26.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	10.94	
07 22 16 00-0280	SF	5.25" Average Thickness (28.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	11.53	

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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0281	SF	5.75" Average Thickness (31.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	12.12	
07 22 16 00-0282	SF	6.25" Average Thickness (34.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	12.71	
07 22 16 00-0283	SF	6.75" Average Thickness (37.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	14.69	
07 22 16 00-0284		Cold Adhesive Applied, 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0272)*		
07 22 16 00-0285	SF	2" Average Thickness (11 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	4.89	
07 22 16 00-0286	SF	3" Average Thickness (16.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	7.47	
07 22 16 00-0287	SF	4" Average Thickness (22 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	8.65	
07 22 16 00-0288	SF	5" Average Thickness (27.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	11.24	
07 22 16 00-0289	SF	6" Average Thickness (33 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	12.41	
07 22 16 00-0290	SF	7" Average Thickness (38.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	14.98	
07 22 16 00-0291		Cold Adhesive Applied, 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0272)*		
07 22 16 00-0292	SF	3.5" Average Thickness (19.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	8.06	
		For Mechanically Fastened To Concrete, Add	*1.84*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.28*	
07 22 16 00-0293	SF	5.5" Average Thickness (30.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	11.82	
07 22 16 00-0294	SF	7.5" Average Thickness (41.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	15.57	
07 22 16 00-0295	SF	9.5" Average Thickness (52.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	19.34	
07 22 16 00-0296		Cold Adhesive Applied, Tapered Perlite Board *(07 22 16 00-0223)*		
		Note: Includes polyurethane adhesive.		
07 22 16 00-0297		Cold Adhesive Applied, 1/8" Slope, Tapered Perlite Board *(07 22 16 00-0296)*		
07 22 16 00-0298	SF	2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	7.59	
07 22 16 00-0299	SF	2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	8.98	
07 22 16 00-0300	SF	3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	10.25	
07 22 16 00-0301	SF	3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	10.84	
07 22 16 00-0302	SF	4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	12.11	
07 22 16 00-0303	SF	4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	13.49	
07 22 16 00-0304	SF	5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	14.77	
07 22 16 00-0305	SF	5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	15.35	
07 22 16 00-0306	SF	6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	16.63	
07 22 16 00-0307	SF	6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	18.01	
07 22 16 00-0308		Cold Adhesive Applied, 1/4" Slope, Tapered Perlite Board *(07 22 16 00-0296)*		
07 22 16 00-0309	SF	2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	6.95	
07 22 16 00-0310	SF	3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	9.61	
07 22 16 00-0311	SF	4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	11.47	
07 22 16 00-0312	SF	5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	14.13	
07 22 16 00-0313	SF	6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	15.99	
07 22 16 00-0314	SF	7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	18.65	
07 22 16 00-0315		Cold Adhesive Applied, 1/2" Slope, Tapered Perlite Board *(07 22 16 00-0296)*		
07 22 16 00-0316	SF	3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied	10.89	
07 22 16 00-0317	SF	5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied	15.40	
07 22 16 00-0318	SF	7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied	19.92	
07 22 16 00-0319	SF	9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied	24.44	
07 22 16 00-0320		Hot-Mopped Rigid Board Tapered Roofing Insulation *(07 22 16 00-0222)*		
07 22 16 00-0321		Hot-Mopped, Tapered Polyisocyanurate Board *(07 22 16 00-0320)*		
07 22 16 00-0322		Hot-Mopped, 1/8" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0321)*		
07 22 16 00-0323	SF	2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	4.89	
		For 25 PSI Compressive Strength, Add	*0.31*	
07 22 16 00-0324	SF	2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	6.83	
		For 25 PSI Compressive Strength, Add	*0.32*	
07 22 16 00-0325	SF	3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	7.45	
		For 25 PSI Compressive Strength, Add	*0.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0326	SF	3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	7.73	
		For 25 PSI Compressive Strength, Add	*0.44*	
07 22 16 00-0327	SF	4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	8.68	
		For 25 PSI Compressive Strength, Add	*0.51*	
07 22 16 00-0328	SF	4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	10.45	
		For 25 PSI Compressive Strength, Add	*0.52*	
07 22 16 00-0329	SF	5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	11.07	
		For 25 PSI Compressive Strength, Add	*0.58*	
07 22 16 00-0330	SF	5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	11.69	
		For 25 PSI Compressive Strength, Add	*0.65*	
07 22 16 00-0331	SF	6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	12.31	
		For 25 PSI Compressive Strength, Add	*0.71*	
07 22 16 00-0332	SF	6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	14.05	
		For 25 PSI Compressive Strength, Add	*0.72*	

07 22 16 00-0333 Hot-Mopped, 1/4" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0321)*

07 22 16 00-0334	SF	2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	4.77	
		For 25 PSI Compressive Strength, Add	*0.28*	
07 22 16 00-0335	SF	3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	7.14	
		For 25 PSI Compressive Strength, Add	*0.35*	
07 22 16 00-0336	SF	4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	8.37	
		For 25 PSI Compressive Strength, Add	*0.48*	
07 22 16 00-0337	SF	5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	10.76	
		For 25 PSI Compressive Strength, Add	*0.55*	
07 22 16 00-0338	SF	6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	12.00	
		For 25 PSI Compressive Strength, Add	*0.68*	
07 22 16 00-0339	SF	7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	14.36	
		For 25 PSI Compressive Strength, Add	*0.75*	

07 22 16 00-0340 Hot-Mopped, 1/2" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0321)*

07 22 16 00-0341	SF	3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	7.76	
		For 25 PSI Compressive Strength, Add	*0.41*	
07 22 16 00-0342	SF	5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	11.38	
		For 25 PSI Compressive Strength, Add	*0.62*	
07 22 16 00-0343	SF	7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	14.98	
		For 25 PSI Compressive Strength, Add	*0.81*	
07 22 16 00-0344	SF	9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	18.59	
		For 25 PSI Compressive Strength, Add	*1.02*	

07 22 16 00-0345 Hot-Mopped, Tapered Perlite Board *(07 22 16 00-0320)*

07 22 16 00-0346 Hot-Mopped, 1/8" Slope, Tapered Perlite Board *(07 22 16 00-0345)*

07 22 16 00-0347	SF	2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	6.68
07 22 16 00-0348	SF	2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	8.49
07 22 16 00-0349	SF	3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	9.77
07 22 16 00-0350	SF	3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	9.69
07 22 16 00-0351	SF	4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	10.96
07 22 16 00-0352	SF	4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	12.78
07 22 16 00-0353	SF	5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	14.06
07 22 16 00-0354	SF	5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	13.98
07 22 16 00-0355	SF	6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	15.25
07 22 16 00-0356	SF	6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	17.07

07 22 16 00-0357 Hot-Mopped, 1/4" Slope, Tapered Perlite Board *(07 22 16 00-0345)*

07 22 16 00-0358	SF	2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped	6.04
07 22 16 00-0359	SF	3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped	9.13
07 22 16 00-0360	SF	4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped	10.33
07 22 16 00-0361	SF	5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped	13.42
07 22 16 00-0362	SF	6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped	14.61
07 22 16 00-0363	SF	7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped	17.70

07 22 16 00-0364 Hot-Mopped, 1/2" Slope, Tapered Perlite Board *(07 22 16 00-0345)*

07 22 16 00-0365	SF	3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped	10.41
07 22 16 00-0366	SF	5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped	14.69
07 22 16 00-0367	SF	7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped	80.48
07 22 16 00-0368	SF	9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped	23.25

07 22 16 00-0369 Mechanically Fastened Tapered Roofing Insulation *(07 22 16 00-0222)*

Note: Mechanically fastened to wood or steel. Includes tapered board and filler board required to maintain slope starting at 1/2" minimum thickness. Excludes base layer of board, if required. Average thickness and average R-value of tapered system excludes thickness and R-value of base layer insulation and/or coverboard.

07 22 16 00-0370 Mechanically Fastened, Tapered Polyisocyanurate Board *(07 22 16 00-0369)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0371 Mechanically Fastened, 1/8" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0370)*

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LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0372	SF	2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	5.20	
		For 25 PSI Compressive Strength, Add	*0.34*	
		For Mechanically Fastened To Concrete, Add	*1.79*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.95*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.39*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.76*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.41*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.57*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.13*	
07 22 16 00-0373	SF	2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	6.62	
		For 25 PSI Compressive Strength, Add	*0.33*	
		For Mechanically Fastened To Concrete, Add	*1.84*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.22*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.08*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.53*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.92*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.62*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.79*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.36*	
07 22 16 00-0374	SF	3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	7.24	
		For 25 PSI Compressive Strength, Add	*0.40*	
		For Mechanically Fastened To Concrete, Add	*1.84*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.28*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.08*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.53*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.97*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.62*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.79*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.45*	
07 22 16 00-0375	SF	3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	8.01	
		For 25 PSI Compressive Strength, Add	*0.47*	
		For Mechanically Fastened To Concrete, Add	*1.89*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.27*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.06*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.91*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.10*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.58*	
07 22 16 00-0376	SF	4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	8.63	
		For 25 PSI Compressive Strength, Add	*0.53*	
		For Mechanically Fastened To Concrete, Add	*1.89*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.29*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.27*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.13*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.91*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.10*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.70*	
07 22 16 00-0377	SF	4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	10.15	
		For 25 PSI Compressive Strength, Add	*0.54*	
		For Mechanically Fastened To Concrete, Add	*1.94*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.25*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.52*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.98*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.29*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.27*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.46*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.93*	
07 22 16 00-0378	SF	5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	10.77	
		For 25 PSI Compressive Strength, Add	*0.60*	
		For Mechanically Fastened To Concrete, Add	*1.94*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.25*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.52*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.98*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.29*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.27*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.46*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0379	SF	5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	11.68	
		For 25 PSI Compressive Strength, Add	*0.69*	
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.84*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.32*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.55*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.77*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.98*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.32*	
07 22 16 00-0380	SF	6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	12.30	
		For 25 PSI Compressive Strength, Add	*0.76*	
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.84*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.32*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.55*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.77*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.98*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.32*	
07 22 16 00-0381	SF	6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	13.90	
		For 25 PSI Compressive Strength, Add	*0.77*	
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.32*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.13*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.61*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.20*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.41*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.90*	

07 22 16 00-0382 Mechanically Fastened, 1/4" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0370)*

07 22 16 00-0383	SF	2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	4.90	
		For 25 PSI Compressive Strength, Add	*0.31*	
		For Mechanically Fastened To Concrete, Add	*1.79*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.95*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.39*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.76*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.41*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.57*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.13*	
07 22 16 00-0384	SF	3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	6.92	
		For 25 PSI Compressive Strength, Add	*0.36*	
		For Mechanically Fastened To Concrete, Add	*1.84*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.22*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.08*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.53*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.92*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.62*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.79*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.36*	
07 22 16 00-0385	SF	4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	8.32	
		For 25 PSI Compressive Strength, Add	*0.50*	
		For Mechanically Fastened To Concrete, Add	*1.89*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.27*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.06*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.91*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.10*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.58*	
07 22 16 00-0386	SF	5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	10.46	
		For 25 PSI Compressive Strength, Add	*0.57*	
		For Mechanically Fastened To Concrete, Add	*1.94*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.25*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.52*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.98*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.29*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.27*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.46*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0387	SF	6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	11.99	
		For 25 PSI Compressive Strength, Add	*0.72*	
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.84*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.32*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.55*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.77*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.98*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.32*	
07 22 16 00-0388	SF	7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	14.21	
		For 25 PSI Compressive Strength, Add	*0.80*	
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.32*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.13*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.61*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.20*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.41*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.90*	
07 22 16 00-0389		Mechanically Fastened, 1/2" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0370)*		
07 22 16 00-0390	SF	3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	7.55	
		For 25 PSI Compressive Strength, Add	*0.43*	
		For Mechanically Fastened To Concrete, Add	*1.84*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.28*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.08*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.53*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.97*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.62*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.79*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.45*	
07 22 16 00-0391	SF	5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	10.69	
		For 25 PSI Compressive Strength, Add	*0.59*	
		For Mechanically Fastened To Concrete, Add	*1.94*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.25*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.52*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.98*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.29*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.27*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.46*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.93*	
07 22 16 00-0392	SF	7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	14.83	
		For 25 PSI Compressive Strength, Add	*0.86*	
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.32*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.13*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.61*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.20*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.41*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.90*	
07 22 16 00-0393	SF	9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	18.82	
		For 25 PSI Compressive Strength, Add	*1.12*	
		For Mechanically Fastened To Concrete, Add	*1.81*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.98*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*4.24*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*4.49*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*6.37*	
07 22 16 00-0394		Mechanically Fastened, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0369)*		
		Note: Mechanically fastened to wood or steel.		
07 22 16 00-0395		Mechanically Fastened, 1/8" Slope, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0394)*		
07 22 16 00-0396	SF	2.25" Average Thickness (10.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	4.51	
		For Mechanically Fastened To Concrete, Add	*1.79*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.95*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.39*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.76*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.41*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.57*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0397	SF	2.75" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	5.96	
		For Mechanically Fastened To Concrete, Add	*1.84*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.22*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.08*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.53*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.92*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.62*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.79*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.36*	
07 22 16 00-0398	SF	3.25" Average Thickness (14.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	6.42	
		For Mechanically Fastened To Concrete, Add	*1.84*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.28*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.08*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.53*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.97*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.62*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.79*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.45*	
07 22 16 00-0399	SF	3.75" Average Thickness (16.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	7.04	
		For Mechanically Fastened To Concrete, Add	*1.89*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.27*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.06*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.91*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.10*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.58*	
07 22 16 00-0400	SF	4.25" Average Thickness (19.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	7.51	
		For Mechanically Fastened To Concrete, Add	*1.89*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.29*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.27*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.13*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.91*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.10*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.70*	
07 22 16 00-0401	SF	4.75" Average Thickness (21.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	9.06	
		For Mechanically Fastened To Concrete, Add	*1.94*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.25*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.52*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.98*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.29*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.27*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.46*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.93*	
07 22 16 00-0402	SF	5.25" Average Thickness (23.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	9.52	
		For Mechanically Fastened To Concrete, Add	*1.94*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.25*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.52*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.98*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.29*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.27*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.46*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.93*	
07 22 16 00-0403	SF	5.75" Average Thickness (25.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	10.28	
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.84*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.32*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.55*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.77*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.98*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.32*	
07 22 16 00-0404	SF	6.25" Average Thickness (28.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	10.75	
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.84*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.32*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.55*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.77*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.98*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.32*	

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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0405	SF	6.75" Average Thickness (30.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	12.38	
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.32*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.13*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.61*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.20*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.41*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.90*	

07 22 16 00-0406 Mechanically Fastened, 1/4" Slope, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0394)*

07 22 16 00-0407	SF	2" Average Thickness (9 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	4.28	
		For Mechanically Fastened To Concrete, Add	*1.79*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.95*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.39*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.76*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.41*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.57*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.13*	
07 22 16 00-0408	SF	3" Average Thickness (13.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	6.19	
		For Mechanically Fastened To Concrete, Add	*1.84*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.22*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.08*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.53*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.92*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.62*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.79*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.36*	
07 22 16 00-0409	SF	4" Average Thickness (18 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	7.27	
		For Mechanically Fastened To Concrete, Add	*1.89*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.27*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.06*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.91*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.10*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.58*	
07 22 16 00-0410	SF	5" Average Thickness (22.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	9.29	
		For Mechanically Fastened To Concrete, Add	*1.94*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.25*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.52*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.98*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.29*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.27*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.46*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.93*	
07 22 16 00-0411	SF	6" Average Thickness (27 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	10.51	
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.84*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.32*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.55*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.77*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.98*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.32*	
07 22 16 00-0412	SF	7" Average Thickness (31.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	12.61	
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.32*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.13*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.61*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.20*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.41*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.90*	

07 22 16 00-0413 Mechanically Fastened, 1/2" Slope, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0394)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0414	SF	3.5" Average Thickness (15.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	6.65	
		For Mechanically Fastened To Concrete, Add	*1.84*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.28*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.08*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.53*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.97*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.62*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.79*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.45*	
07 22 16 00-0415	SF	5.5" Average Thickness (24.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	9.75	
		For Mechanically Fastened To Concrete, Add	*1.94*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.25*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.52*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.98*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.29*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.27*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.46*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.93*	
07 22 16 00-0416	SF	7.5" Average Thickness (33.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	13.08	
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.32*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.13*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.61*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.20*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.41*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.90*	
07 22 16 00-0417	SF	9.5" Average Thickness (42.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	17.11	
		For Mechanically Fastened To Concrete, Add	*1.81*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.98*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*4.24*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*4.49*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*6.37*	

07 22 16 00-0418 Mechanically Fastened, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0369)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0419 Mechanically Fastened, 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0418)*

07 22 16 00-0420	SF	2.25" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	5.07	
		For Mechanically Fastened To Concrete, Add	*1.79*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.95*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.39*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.76*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.41*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.57*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.13*	
07 22 16 00-0421	SF	2.75" Average Thickness (15.125 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	6.48	
		For Mechanically Fastened To Concrete, Add	*1.84*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.22*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.08*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.53*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.92*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.62*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.79*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.36*	
07 22 16 00-0422	SF	3.25" Average Thickness (17.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	8.46	
		For Mechanically Fastened To Concrete, Add	*1.84*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.28*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.08*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.53*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.97*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.62*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.79*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.45*	
07 22 16 00-0423	SF	3.75" Average Thickness (20.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	7.82	
		For Mechanically Fastened To Concrete, Add	*1.89*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.27*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.06*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.91*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.10*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0424	SF	4.25" Average Thickness (23.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	8.41	
		For Mechanically Fastened To Concrete, Add	*1.89*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.29*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.27*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.13*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.91*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.10*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.70*	
07 22 16 00-0425	SF	4.75" Average Thickness (26.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	9.93	
		For Mechanically Fastened To Concrete, Add	*1.94*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.25*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.52*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.98*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.29*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.27*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.46*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.93*	
07 22 16 00-0426	SF	5.25" Average Thickness (28.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	10.52	
		For Mechanically Fastened To Concrete, Add	*1.94*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.25*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.52*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.98*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.29*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.27*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.46*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.93*	
07 22 16 00-0427	SF	5.75" Average Thickness (31.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	11.40	
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.84*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.32*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.55*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.77*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.98*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.32*	
07 22 16 00-0428	SF	6.25" Average Thickness (34.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	11.99	
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.84*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.32*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.55*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.77*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.98*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.32*	
07 22 16 00-0429	SF	6.75" Average Thickness (37.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	13.59	
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.32*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.13*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.61*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.20*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.41*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.90*	

07 22 16 00-0430 Mechanically Fastened, 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0418)*

07 22 16 00-0431	SF	2" Average Thickness (11 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	4.77	
		For Mechanically Fastened To Concrete, Add	*1.79*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.95*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.39*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.76*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.41*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.57*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.13*	
07 22 16 00-0432	SF	3" Average Thickness (16.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	6.78	
		For Mechanically Fastened To Concrete, Add	*1.84*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.22*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.08*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.53*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.92*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.62*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.79*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0433	SF	4" Average Thickness (22 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	8.11	
		For Mechanically Fastened To Concrete, Add	*1.89*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.27*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.06*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.91*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.10*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.58*	
07 22 16 00-0434	SF	5" Average Thickness (27.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	10.22	
		For Mechanically Fastened To Concrete, Add	*1.94*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.25*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.52*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.98*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.29*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.27*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.46*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.93*	
07 22 16 00-0435	SF	6" Average Thickness (33 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	11.70	
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.84*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.32*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.55*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.77*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.98*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.32*	
07 22 16 00-0436	SF	7" Average Thickness (38.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	13.89	
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.32*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.13*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.61*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.20*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.41*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.90*	

07 22 16 00-0437 Mechanically Fastened, 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0418)*

07 22 16 00-0438	SF	3.5" Average Thickness (19.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	7.37	
		For Mechanically Fastened To Concrete, Add	*1.84*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.28*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.08*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.53*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.97*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.62*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.79*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.45*	
07 22 16 00-0439	SF	5.5" Average Thickness (30.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	10.81	
		For Mechanically Fastened To Concrete, Add	*1.94*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.25*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.52*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.98*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.29*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.27*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.46*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.93*	
07 22 16 00-0440	SF	7.5" Average Thickness (41.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	14.48	
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.32*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.13*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.61*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.20*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.41*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.90*	
07 22 16 00-0441	SF	9.5" Average Thickness (52.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	18.13	
		For Mechanically Fastened To Concrete, Add	*1.81*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.98*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*4.24*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*4.49*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*6.37*	

07 22 16 00-0442 Mechanically Fastened, Tapered Perlite Board *(07 22 16 00-0369)*

Note: Mechanically fastened to wood or steel.

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LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 22 16 00-0443 Mechanically Fastened, 1/8" Slope, Tapered Perlite Board *(07 22 16 00-0442)*

07 22 16 00-0444	SF	2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	6.80	
		For Mechanically Fastened To Concrete, Add	*1.79*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.95*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.39*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.76*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.41*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.57*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.13*	
07 22 16 00-0445	SF	2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	8.28	
		For Mechanically Fastened To Concrete, Add	*1.84*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.22*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.08*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.53*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.92*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.62*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.79*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.36*	
07 22 16 00-0446	SF	3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	9.56	
		For Mechanically Fastened To Concrete, Add	*1.84*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.28*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.08*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.53*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.97*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.62*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.79*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.45*	
07 22 16 00-0447	SF	3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	9.64	
		For Mechanically Fastened To Concrete, Add	*1.89*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.27*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.06*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.91*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.10*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.58*	
07 22 16 00-0448	SF	4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	10.91	
		For Mechanically Fastened To Concrete, Add	*1.89*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.29*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.27*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.13*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.91*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.10*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.70*	
07 22 16 00-0449	SF	4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	12.48	
		For Mechanically Fastened To Concrete, Add	*1.94*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.25*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.52*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.98*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.29*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.27*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.46*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.93*	
07 22 16 00-0450	SF	5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	13.76	
		For Mechanically Fastened To Concrete, Add	*1.94*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.25*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.52*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.98*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.29*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.27*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.46*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.93*	
07 22 16 00-0451	SF	5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	13.97	
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.84*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.32*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.55*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.77*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.98*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.32*	
07 22 16 00-0452	SF	6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	15.25	
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.84*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.32*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.55*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.77*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.98*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0453	SF	6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	16.91	
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.32*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.13*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.61*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.20*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.41*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.90*	
07 22 16 00-0454		Mechanically Fastened, 1/4" Slope, Tapered Perlite Board *(07 22 16 00-0442)*		
07 22 16 00-0455	SF	2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened	6.16	
		For Mechanically Fastened To Concrete, Add	*1.79*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.95*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.39*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.76*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.41*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.57*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.13*	
07 22 16 00-0456	SF	3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened	8.92	
		For Mechanically Fastened To Concrete, Add	*1.84*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.22*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.08*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.53*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.92*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.62*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.79*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.36*	
07 22 16 00-0457	SF	4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened	10.27	
		For Mechanically Fastened To Concrete, Add	*1.89*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.27*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.74*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.06*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.91*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.10*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.58*	
07 22 16 00-0458	SF	5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened	13.12	
		For Mechanically Fastened To Concrete, Add	*1.94*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.25*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.52*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.98*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.29*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.27*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.46*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.93*	
07 22 16 00-0459	SF	6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened	14.61	
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.21*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.84*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.32*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.55*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.77*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.98*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.32*	
07 22 16 00-0460	SF	7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened	17.55	
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.32*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.13*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.61*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.20*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.41*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.90*	
07 22 16 00-0461		Mechanically Fastened, 1/2" Slope, Tapered Perlite Board *(07 22 16 00-0442)*		
07 22 16 00-0462	SF	3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened	10.20	
		For Mechanically Fastened To Concrete, Add	*1.84*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.28*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.08*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.53*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.97*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.62*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.79*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.45*	

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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0463	SF	5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened	14.39	
		For Mechanically Fastened To Concrete, Add	*1.94*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.25*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.52*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.98*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.29*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.27*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.46*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.93*	
07 22 16 00-0464	SF	7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened	18.83	
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.32*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.13*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.61*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.20*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.41*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.90*	
07 22 16 00-0465	SF	9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened	23.48	
		For Mechanically Fastened To Concrete, Add	*1.81*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.98*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*4.24*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.94*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*4.49*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*6.37*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.90*	

07 22 16 00-0466 Demolish Rigid Board Roofing Insulation *(07 22 16)*

Note: Includes removing any combination of roofing insulation systems and/or recovery board. Includes removal of any basic roof accessories and any sheet metals; except special existing conditions (mechanical equipment piping, electrical, ducts, etc.).

07 22 16 00-0467	SF	Demolish Up To 1/2" Average Thickness, Rigid Board Roofing Insulation		0.68
07 22 16 00-0468	SF	Demolish >1/2" To 1" Average Thickness, Rigid Board Roofing Insulation		0.70
07 22 16 00-0469	SF	Demolish >1" To 2" Average Thickness, Rigid Board Roofing Insulation		0.71
07 22 16 00-0470	SF	Demolish >2" To 3" Average Thickness, Rigid Board Roofing Insulation		0.74
07 22 16 00-0471	SF	Demolish >3" To 4" Average Thickness, Rigid Board Roofing Insulation		0.76
07 22 16 00-0472	SF	Demolish >4" To 5" Average Thickness, Rigid Board Roofing Insulation		0.78
07 22 16 00-0473	SF	Demolish >5" To 6" Average Thickness, Rigid Board Roofing Insulation		0.79
07 22 16 00-0474	SF	Demolish >6" To 7" Average Thickness, Rigid Board Roofing Insulation		0.81
07 22 16 00-0475	SF	Demolish >7" To 8" Average Thickness, Rigid Board Roofing Insulation		0.83
07 22 16 00-0476	SF	Demolish >8" To 9" Average Thickness, Rigid Board Roofing Insulation		0.85
07 22 16 00-0477	SF	Demolish >9" To 10" Average Thickness, Rigid Board Roofing Insulation		0.87
07 22 16 00-0478	SF	Demolish >10" To 11" Average Thickness, Rigid Board Roofing Insulation		0.89
07 22 16 00-0479	SF	Demolish >11" To 12" Average Thickness, Rigid Board Roofing Insulation		0.91

07 24 Exterior Insulation and Finish Systems *(07 20)*

07 24 13 Polymer-Based Exterior Insulation and Finish System *(07 24)*

07 24 13 00-0001 Exterior Insulation Finishing System (EIFS) *(07 24 13)*

07 24 13 00-0002 Insulation For Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*

07 24 13 00-0003	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied		4.14
		For Up To 100, Add	*0.82*	
		For >100 To 500, Add	*0.41*	
		For >5,000, Deduct	*-0.16*	
		For Adhesive And Mechanically Fastened To Wood Or Steel, Add	*1.65*	
		For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	*2.45*	
07 24 13 00-0004	SF	1-1/2" Thick, R5.78, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied		4.72
		For Up To 100, Add	*0.83*	
		For >100 To 500, Add	*0.42*	
		For >5,000, Deduct	*-0.17*	
		For Adhesive And Mechanically Fastened To Wood Or Steel, Add	*1.68*	
		For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	*2.47*	
07 24 13 00-0005	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied		5.29
		For Up To 100, Add	*0.84*	
		For >100 To 500, Add	*0.42*	
		For >5,000, Deduct	*-0.17*	
		For Adhesive And Mechanically Fastened To Wood Or Steel, Add	*1.85*	
		For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	*2.62*	
07 24 13 00-0006	SF	2-1/2" Thick, R9.63, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied		5.86
		For Up To 100, Add	*0.85*	
		For >100 To 500, Add	*0.43*	
		For >5,000, Deduct	*-0.17*	
		For Adhesive And Mechanically Fastened To Wood Or Steel, Add	*1.94*	
		For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	*2.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 24 13 00-0007	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied	6.42	
		For Up To 100, Add	*0.86*	
		For >100 To 500, Add	*0.43*	
		For >5,000, Deduct	*-0.17*	
		For Adhesive And Mechanically Fastened To Wood Or Steel, Add	*1.94*	
		For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	*2.75*	
07 24 13 00-0008	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied	7.54	
		For Up To 100, Add	*0.87*	
		For >100 To 500, Add	*0.44*	
		For >5,000, Deduct	*-0.17*	
		For Adhesive And Mechanically Fastened To Wood Or Steel, Add	*2.17*	
		For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	*2.93*	

07 24 13 00-0009 Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*

Note: Includes applying a layer of base coat to the insulation board and fully embedding the reinforcing fabric in the wet base coat.

07 24 13 00-0010	SF	4.3 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit S-Mesh), Embedded In A Layer Of Base Coat	5.34	
		For Up To 100, Add	*1.64*	
		For >100 To 500, Add	*0.82*	
		For >5,000, Deduct	*-0.33*	
07 24 13 00-0011	SF	6.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit SP-Mesh), Embedded In A Layer Of Base Coat	5.95	
		For Up To 100, Add	*1.64*	
		For >100 To 500, Add	*0.82*	
		For >5,000, Deduct	*-0.33*	
07 24 13 00-0012	SF	15.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit Panzer® 15), Embedded In A Layer Of Base Coat	7.59	
		For Up To 100, Add	*1.64*	
		For >100 To 500, Add	*0.82*	
		For >5,000, Deduct	*-0.33*	
07 24 13 00-0013	SF	20.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit Panzer® 20), Embedded In A Layer Of Base Coat	8.09	
		For Up To 100, Add	*1.64*	
		For >100 To 500, Add	*0.82*	
		For >5,000, Deduct	*-0.33*	

07 24 13 00-0014 Base Coats For Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*

07 24 13 00-0015	SF	Polymer-Based, Fiber-Reinforced Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Genesis® DM)	2.60	
		For Up To 100, Add	*0.82*	
		For >100 To 500, Add	*0.41*	
		For >5,000, Deduct	*-0.16*	
07 24 13 00-0016	SF	Acrylic-Modified, Fiber-Reinforced Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Genesis®)	3.05	
		For Up To 100, Add	*0.82*	
		For >100 To 500, Add	*0.41*	
		For >5,000, Deduct	*-0.16*	
07 24 13 00-0017	SF	Water Resistant, Acrylic Co-Polymer Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Dryflex®)	5.49	
		For Up To 100, Add	*0.82*	
		For >100 To 500, Add	*0.41*	
		For >5,000, Deduct	*-0.16*	
07 24 13 00-0018	SF	Hydrostatic Water Resistant, Acrylic Co-Polymer Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Dryflex®)	7.43	
		For Up To 100, Add	*0.82*	
		For >100 To 500, Add	*0.41*	
		For >5,000, Deduct	*-0.16*	

07 24 13 00-0019 Finish Coats For Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*

Note: Includes all standard manufacturers' colors.

07 24 13 00-0020	SF	100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit DPR Finish)	4.36	
		For Up To 100, Add	*1.64*	
		For >100 To 500, Add	*0.82*	
		For >5,000, Deduct	*-0.33*	
07 24 13 00-0021	SF	100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit DPR Finish)	4.46	
		For Up To 100, Add	*1.64*	
		For >100 To 500, Add	*0.82*	
		For >5,000, Deduct	*-0.33*	
07 24 13 00-0022	SF	Lightweight Elastic, 100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit E™ Finish)	5.17	
		For Up To 100, Add	*1.64*	
		For >100 To 500, Add	*0.82*	
		For >5,000, Deduct	*-0.33*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 24 13 00-0023	SF	Lightweight Elastic, 100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit E™ Finish)	5.81	
		For Up To 100, Add	*1.64*	
		For >100 To 500, Add	*0.82*	
		For >5,000, Deduct	*-0.33*	
07 24 13 00-0024	SF	Mildew Resistant, 100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit PMR™ Finish)	5.18	
		For Up To 100, Add	*1.64*	
		For >100 To 500, Add	*0.82*	
		For >5,000, Deduct	*-0.33*	
07 24 13 00-0025	SF	Mildew Resistant, 100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit PMR™ Finish)	5.81	
		For Up To 100, Add	*1.64*	
		For >100 To 500, Add	*0.82*	
		For >5,000, Deduct	*-0.33*	
07 24 13 00-0026	SF	Flexible Elastomeric, 100% Acrylic-Based Smooth Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Weatherlastic® Smooth)	4.56	
		For Up To 100, Add	*1.64*	
		For >100 To 500, Add	*0.82*	
		For >5,000, Deduct	*-0.33*	
07 24 13 00-0027	SF	Flexible Elastomeric, 100% Acrylic-Based Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Weatherlastic®)	5.22	
		For Up To 100, Add	*1.64*	
		For >100 To 500, Add	*0.82*	
		For >5,000, Deduct	*-0.33*	
07 24 13 00-0028	SF	100% Acrylic-Based Finish With Multi-Colored Quartz Aggregates, Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Ameristone™)	10.88	
		For Up To 100, Add	*1.64*	
		For >100 To 500, Add	*0.82*	
		For >5,000, Deduct	*-0.33*	
07 24 13 00-0029		**Primer And Sealers For Exterior Insulation Finishing Systems (EIFS)** *(07 24 13 00-0001)*		
07 24 13 00-0030	SF	100% Acrylic-Based Primer/Adhesion Promoter For Exterior Insulation Finishing Systems (EIFS) (Dryvit Prymit®)	1.32	
		For Up To 100, Add	*0.46*	
		For >100 To 500, Add	*0.23*	
		For >5,000, Deduct	*-0.09*	
07 24 13 00-0031	SF	100% Acrylic Emulsion Primer/Sealer For Exterior Insulation Finishing Systems (EIFS) (Dryvit SealClear™)	1.35	
		For Up To 100, Add	*0.46*	
		For >100 To 500, Add	*0.23*	
		For >5,000, Deduct	*-0.09*	
07 24 13 00-0032		**Air/Water/Vapor Barriers For Exterior Insulation Finishing Systems (EIFS)** *(07 24 13 00-0001)*		
07 24 13 00-0033	SF	Smooth, High Performance, Polymer-Based, Non-Cementitious Water-Resistive Membrane And Air Barrier For Exterior Insulation Finishing Systems (EIFS) (Dryvit Backstop® NT™), Per Coat	1.85	
		For Up To 100, Add	*0.46*	
		For >100 To 500, Add	*0.23*	
		For >5,000, Deduct	*-0.09*	
07 24 13 00-0034	SF	Texture, High Performance, Polymer-Based, Non-Cementitious Water-Resistive Membrane And Air Barrier For Exterior Insulation Finishing Systems (EIFS) (Dryvit Backstop® NT™), Per Coat	2.31	
		For Up To 100, Add	*0.46*	
		For >100 To 500, Add	*0.23*	
		For >5,000, Deduct	*-0.09*	
07 24 13 00-0035		**Drainage Accessories For Exterior Insulation Finishing Systems (EIFS)** *(07 24 13 00-0001)*		
07 24 13 00-0036	SF	1/8" Thick, Flexible Polyamide Drainage Mat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Drainage Mat)	2.87	
		For Up To 100, Add	*0.51*	
		For >100 To 500, Add	*0.26*	
		For >5,000, Deduct	*-0.10*	
07 24 13 00-0037		**Starter Tracks For Exterior Insulation Finishing Systems (EIFS)** *(07 24 13 00-0001)*		
07 24 13 00-0038	LF	1" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP)	4.24	
07 24 13 00-0039	LF	1-1/2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP)	4.58	
07 24 13 00-0040	LF	2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP)	4.98	
07 24 13 00-0041	LF	3" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP)	5.81	
07 24 13 00-0042	LF	1" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE)	4.58	
07 24 13 00-0043	LF	1-1/2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE)	4.98	
07 24 13 00-0044	LF	2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE)	5.37	
07 24 13 00-0045	LF	3" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE)	6.29	
07 24 13 00-0046		**Demolish Exterior Insulation Finishing Systems (EIFS)** *(07 24 13 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 24 13 00-0047	SF	Demolish Exterior Insulation Finishing Systems (EIFS)	6.85	
		Note: Includes demolition of all finish coats, base coats, reinforcing layers and insulation layers down to the substrate. Excludes demolition of sheathing.		
		For Up To 100, Add	*3.43*	
		For >100 To 500, Add	*1.71*	
		For >5,000, Deduct	*-0.69*	

07 25 Weather Barriers *(07)*

07 26 Vapor Retarders *(07 25)*

07 26 13 Above-Grade Vapor Retarders *(07 26)*

07 26 13 00-0001	CSF	Two Layer Kraft Paper Laminated With Asphalt, Grade "B" Building Paper (Aquabar B)	30.83
07 26 13 00-0002	CSF	Asphalt Saturated Kraft Building Paper, Grade D (Fortifiber Jumbo Tex)	28.50
07 26 13 00-0003	CSF	60 Minute Asphalt Saturated Kraft Building Paper, Grade D (Fortifiber Super Jumbo Tex 60 Minute)	35.97
07 26 13 00-0004	CSF	Two Ply 60 Minute Asphalt Saturated Kraft Building Paper, Grade D (Fortifiber Two Ply Super Jumbo Tex 60 Minute)	46.94
07 26 13 00-0005	CSF	Regular Weight Red Rosin Sized Sheathing	26.10
07 26 13 00-0006	CLF	6" Wide Two Layer Kraft Paper Laminated With Asphalt, Building Flashing Paper (Bond Beam Paper)	87.57
07 26 13 00-0007	CLF	4" Wide Self-Adhering Butyl Sealing Tape	135.00
07 26 13 00-0008	CLF	6" Wide Self Adhesive Butyl Sealing Tape	195.97
07 26 13 00-0009	CLF	9" Wide Self Adhesive Butyl Sealing Tape	273.54
07 26 13 00-0010	CSF	Building Wrap (Tyvek)	76.61

07 27 Air Barriers *(07 25)*

07 27 23 Board Product Air Barriers *(07 27)*

07 27 23 00-0001 Barriers For Plenums *(07 27 23)*

07 27 23 00-0002	SF	0.5" Thick Leaded Vinyl Acoustic Plenum Barrier 0.48 Lb./SF	13.06	3.31
		For Up To 50, Add	*4.56*	
		For >50 To 200, Add	*2.60*	
		For >200 To 500, Add	*0.98*	
		For >2,500, Deduct	*-0.65*	
07 27 23 00-0003	SF	0.625" Thick Leaded Vinyl Acoustic Plenum Barrier 0.87 Lb./SF	14.11	3.31
		For Up To 50, Add	*4.96*	
		For >50 To 200, Add	*2.84*	
		For >200 To 500, Add	*1.06*	
		For >2,500, Deduct	*-0.71*	
07 27 23 00-0004	SF	Aluminum Foil Fiberglass Reinforced Plenum Bar Parallel With Joists 1" Thick	4.94	2.20
		For Up To 50, Add	*2.35*	
		For >50 To 200, Add	*1.30*	
		For >200 To 500, Add	*0.45*	
		For >2,500, Deduct	*-0.25*	
07 27 23 00-0005	SF	Aluminum Foil Fiberglass Reinforced Plenum Bar Perpendicular With Joists 1" Thick	9.06	3.31
		For Up To 50, Add	*4.21*	
		For >50 To 200, Add	*2.33*	
		For >200 To 500, Add	*0.81*	
		For >2,500, Deduct	*-0.45*	
07 27 23 00-0006	SF	Aluminum Mesh Barrier For Plenum Kraft Paper Backed	6.26	2.20
		For Up To 50, Add	*2.55*	
		For >50 To 200, Add	*1.43*	
		For >200 To 500, Add	*0.51*	
		For >2,500, Deduct	*-0.31*	
07 27 23 00-0007	SF	1/64" Thick Sheet Lead Barrier For Plenum 1 Lb./SF	10.18	2.20
		For Up To 50, Add	*3.00*	
		For >50 To 200, Add	*1.75*	
		For >200 To 500, Add	*0.69*	
		For >2,500, Deduct	*-0.51*	

07 27 23 00-0008 Under Slab Insulation, Extruded Polystyrene (XPS) Sheets *(07 27 23)*

07 27 23 00-0009	SF	1" Extruded Polystyrene Foam (XPS) Sheet Under Slab Insulation	2.15
07 27 23 00-0010	SF	2" Extruded Polystyrene Foam (XPS) Sheet Under Slab Insulation	3.31
07 27 23 00-0011	SF	3" Extruded Polystyrene Foam (XPS) Sheet Under Slab Insulation	4.37
07 27 23 00-0012	SF	4" Extruded Polystyrene Foam (XPS) Sheet Under Slab Insulation	5.40

07 30 Steep Slope Roofing *(07)*

Note: Includes starter strips and manufacturer's product specific warranties.

07 31 Shingles and Shakes *(07 30)*

07 31 13 Asphalt Shingles *(07 31)*

07 31 13 13 Fiberglass-Reinforced Asphalt Shingles *(07 31 13)*

07 31 13 13-0001 Three Tab Fiberglass Reinforced, Asphalt Composition Shingle *(07 31 13 13)*

Note: Excludes underlayment, drip edges, and ridge vent/shingles.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 13 13-0002	SQ	200 Lb./SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed CT 20)	324.84	223.28
		For >35 To 75, Deduct	*-12.18*	
		For >75 To 100, Deduct	*-19.69*	
		For >100 To 200, Deduct	*-29.64*	
		For >200, Deduct	*-44.66*	
		For Steep Roof, Over 7 To 12, Add	*64.98*	
07 31 13 13-0003	SQ	220 Lb./SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed XT 25)	340.69	234.49
		For >35 To 75, Deduct	*-12.75*	
		For >75 To 100, Deduct	*-20.63*	
		For >100 To 200, Deduct	*-31.06*	
		For >200, Deduct	*-46.82*	
		For Steep Roof, Over 7 To 12, Add	*68.21*	
07 31 13 13-0004	SQ	230 Lb./SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed XT 30)	391.90	246.18
		For >35 To 75, Deduct	*-16.80*	
		For >75 To 100, Deduct	*-25.76*	
		For >100 To 200, Deduct	*-38.08*	
		For >200, Deduct	*-55.99*	
		For Steep Roof, Over 7 To 12, Add	*71.64*	

07 31 13 13-0005 Architectural Fiberglass Reinforced, Asphalt Composition Shingle *(07 31 13 13)*

Note: Excludes underlayment, drip edges, and ridge vent/shingles.

07 31 13 13-0006	SQ	245 Lb./SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark)	405.74	285.04
		For >35 To 75, Deduct	*-14.67*	
		For >75 To 100, Deduct	*-24.08*	
		For >100 To 200, Deduct	*-36.42*	
		For >200, Deduct	*-55.24*	
		For Steep Roof, Over 7 To 12, Add	*82.91*	
07 31 13 13-0007	SQ	240 Lb./SQ, 8" Exposure, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Highland Slate)	426.66	271.39
		For >35 To 75, Deduct	*-17.99*	
		For >75 To 100, Deduct	*-27.75*	
		For >100 To 200, Deduct	*-41.12*	
		For >200, Deduct	*-60.65*	
		For Steep Roof, Over 7 To 12, Add	*78.97*	
07 31 13 13-0008	SQ	265 Lb./SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Plus)	462.69	299.29
		For >35 To 75, Deduct	*-19.06*	
		For >75 To 100, Deduct	*-29.67*	
		For >100 To 200, Deduct	*-44.10*	
		For >200, Deduct	*-65.33*	
		For Steep Roof, Over 7 To 12, Add	*87.08*	
07 31 13 13-0009	SQ	235 Lb./SQ, 8" Exposure, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Hatteras)	443.90	258.48
		For >35 To 75, Deduct	*-20.89*	
		For >75 To 100, Deduct	*-30.95*	
		For >100 To 200, Deduct	*-45.18*	
		For >200, Deduct	*-65.28*	
		For Steep Roof, Over 7 To 12, Add	*75.19*	
07 31 13 13-0010	SQ	300 Lb./SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Premium)	500.96	314.27
		For >35 To 75, Deduct	*-21.53*	
		For >75 To 100, Deduct	*-32.98*	
		For >100 To 200, Deduct	*-48.73*	
		For >200, Deduct	*-71.63*	
		For Steep Roof, Over 7 To 12, Add	*91.40*	
07 31 13 13-0011	SQ	300 Lb./SQ, 5" Exposure, Random Laminated Tabs, One Piece, Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Independence)	532.52	314.27
		For >35 To 75, Deduct	*-24.69*	
		For >75 To 100, Deduct	*-36.77*	
		For >100 To 200, Deduct	*-53.78*	
		For >200, Deduct	*-77.94*	
		For Steep Roof, Over 7 To 12, Add	*91.40*	
07 31 13 13-0012	SQ	355 Lb./SQ, 4" Exposure, Sculpted Edge, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Presidential Shake)	581.88	346.43
		For >35 To 75, Deduct	*-26.69*	
		For >75 To 100, Deduct	*-39.90*	
		For >100 To 200, Deduct	*-58.45*	
		For >200, Deduct	*-84.88*	
		For Steep Roof, Over 7 To 12, Add	*100.80*	
07 31 13 13-0013	SQ	340 Lb./SQ, 5" Exposure, Three Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark TL)	575.76	329.98
		For >35 To 75, Deduct	*-27.59*	
		For >75 To 100, Deduct	*-40.60*	
		For >100 To 200, Deduct	*-59.13*	
		For >200, Deduct	*-85.16*	
		For Steep Roof, Over 7 To 12, Add	*95.97*	
07 31 13 13-0014	SQ	300 Lb./SQ, 5" Exposure, Reflective Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Solaris)	571.33	314.27
		For >35 To 75, Deduct	*-28.57*	
		For >75 To 100, Deduct	*-41.42*	
		For >100 To 200, Deduct	*-59.99*	
		For >200, Deduct	*-85.70*	
		For Steep Roof, Over 7 To 12, Add	*91.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 13 13-0015	SQ	355 Lb./SQ, 8" Exposure, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Centennial Slate)	666.84	346.43
		For >35 To 75, Deduct	*-35.18*	
		For >75 To 100, Deduct	*-50.09*	
		For >100 To 200, Deduct	*-72.04*	
		For >200, Deduct	*-101.87*	
		For Steep Roof, Over 7 To 12, Add	*100.80*	
07 31 13 13-0016	SQ	355 Lb./SQ, 8" Exposure, Scalloped Cut, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Carriage House)	688.97	346.43
		For >35 To 75, Deduct	*-37.40*	
		For >75 To 100, Deduct	*-52.75*	
		For >100 To 200, Deduct	*-75.58*	
		For >200, Deduct	*-106.29*	
		For Steep Roof, Over 7 To 12, Add	*100.80*	
07 31 13 13-0017	SQ	480 Lb./SQ, 4" Exposure, Sculpted Edge, Three Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Presidential Shake TL)	765.13	382.00
		For >35 To 75, Deduct	*-41.79*	
		For >75 To 100, Deduct	*-58.82*	
		For >100 To 200, Deduct	*-84.22*	
		For >200, Deduct	*-118.30*	
		For Steep Roof, Over 7 To 12, Add	*111.13*	
07 31 13 13-0018	SQ	425 Lb./SQ, 8" Exposure, Random Laminated Tabs, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed GrandManor)	752.40	363.73
		For >35 To 75, Deduct	*-42.17*	
		For >75 To 100, Deduct	*-58.87*	
		For >100 To 200, Deduct	*-84.00*	
		For >200, Deduct	*-117.41*	
		For Steep Roof, Over 7 To 12, Add	*105.83*	

07 31 13 13-0019 Asphalt Shingle Accessories *(07 31 13 13)*

07 31 13 13-0020	LF	Hip And Ridge Roll Vent Note: Excludes shingles.	9.30	1.34
07 31 13 13-0021	LF	Three Tab Hip And Ridge Shingles	4.60	3.32
07 31 13 13-0022	LF	Architectural Hip And Ridge Shingles	5.53	3.70
07 31 13 13-0023	SQ	Demolish Each Additional Layer Of Shingles	103.54	

07 31 16 Metal Shingles *(07 31)*

07 31 16 00-0001 Aluminum Shingles *(07 31 16)*

07 31 16 00-0002	SQ	Aluminum Shingles, Mill Finish, 0.020" Thick	794.87	215.19
		For Colors, Anodized Finish, Add	*30.00*	
		For Bonderized Finish, Add	*47.00*	
		For 1" Factory Applied Polystyrene, Add	*37.00*	
07 31 16 00-0003	SQ	Aluminum Shingles, Mill Finish, 0.030" Thick	1,056.80	235.20
		For Colors, Anodized Finish, Add	*30.00*	
		For Bonderized Finish, Add	*47.00*	
		For 1" Factory Applied Polystyrene, Add	*37.00*	
07 31 16 00-0004	LF	Aluminum Shingles, Ridge Cap, 0.020" Thick	14.12	3.10
07 31 16 00-0005	LF	Aluminum Shingles, Ridge Cap, 0.030" Thick	14.71	3.10
07 31 16 00-0006	LF	Aluminum Shingles, Valley Section, 0.020" Thick	9.67	3.10
07 31 16 00-0007	LF	Aluminum Shingles, Valley Section, 0.030" Thick	10.86	3.10

07 31 16 00-0008 Galvanized Steel Shingles *(07 31 16)*

07 31 16 00-0009	SQ	24 Gauge, 0.0276" Thickness, Galvanized Steel Shingles	639.19	188.14
		For Factory Applied 1" Polystyrene Insulation, Add	*24.75*	
		For >50 To 75, Deduct	*-10.51*	
		For >75 To 100, Deduct	*-27.81*	
		For >100 To 200, Deduct	*-47.73*	
		For >200, Deduct	*-65.02*	
		For Steep Roof, Over 7 To 12, Add	*120.43*	
07 31 16 00-0010	SQ	26 Gauge, 0.0217" Thickness, Galvanized Steel Shingles	614.34	186.64
		For Factory Applied 1" Polystyrene Insulation, Add	*24.75*	
		For >50 To 75, Deduct	*-9.65*	
		For >75 To 100, Deduct	*-26.21*	
		For >100 To 200, Deduct	*-45.19*	
		For >200, Deduct	*-61.75*	
		For Steep Roof, Over 7 To 12, Add	*119.41*	
07 31 16 00-0011	SQ	24 Gauge, 0.0276" Thickness, Galvanized And Bonderized Steel Shingles	1,022.39	188.14
		For Factory Applied 1" Polystyrene Insulation, Add	*24.75*	
		For >50 To 75, Deduct	*-25.84*	
		For >75 To 100, Deduct	*-54.63*	
		For >100 To 200, Deduct	*-89.88*	
		For >200, Deduct	*-118.67*	
		For Steep Roof, Over 7 To 12, Add	*120.43*	
07 31 16 00-0012	SQ	26 Gauge, 0.0276" Thickness, Galvanized And Bonderized Steel Shingles	939.54	186.64
		For Factory Applied 1" Polystyrene Insulation, Add	*24.75*	
		For >50 To 75, Deduct	*-22.66*	
		For >75 To 100, Deduct	*-48.98*	
		For >100 To 200, Deduct	*-80.96*	
		For >200, Deduct	*-107.28*	
		For Steep Roof, Over 7 To 12, Add	*119.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 16 00-0013	LF	Galvanized Steel Shingles, Ridge Or Valley	10.47	2.51
		For Factory Applied 1" Polystyrene Insulation, Add	*24.75*	
		For >50 To 75, Deduct	*-0.22*	
		For >75 To 100, Deduct	*-0.51*	
		For >100 To 200, Deduct	*-0.86*	
		For >200, Deduct	*-1.15*	
		For Steep Roof, Over 7 To 12, Add	*1.57*	

07 31 26 Slate Shingles *(07 31)*

Note: Includes 30 Lb. felt and fasteners.

07 31 26 00-0001 Shingles Including 30 Lb. Felt And Nails *(07 31 26)*

07 31 26 00-0002	SQ	Slate Shingles, Buckingham, Virginia Black, 3/16" Thick	1,223.82	320.90
		For >50 To 75, Deduct	*-20.43*	
		For >75 To 100, Deduct	*-53.58*	
		For >100 To 200, Deduct	*-91.84*	
		For >200, Deduct	*-124.99*	
		For Graduated Shapes, Add	*76.61*	
		For Steep Roof, Over 7 To 12, Add	*228.18*	
07 31 26 00-0003	SQ	Slate Shingles, Buckingham, Virginia Black, 1/4" Thick	1,361.17	320.90
		For >50 To 75, Deduct	*-25.92*	
		For >75 To 100, Deduct	*-63.19*	
		For >100 To 200, Deduct	*-106.95*	
		For >200, Deduct	*-144.21*	
		For Graduated Shapes, Add	*97.22*	
		For Steep Roof, Over 7 To 12, Add	*228.18*	
07 31 26 00-0004	SQ	Slate Shingles, Penn Black Bangor	1,319.96	320.90
		For >50 To 75, Deduct	*-24.28*	
		For >75 To 100, Deduct	*-60.31*	
		For >100 To 200, Deduct	*-102.41*	
		For >200, Deduct	*-138.45*	
		For Graduated Shapes, Add	*91.04*	
		For Steep Roof, Over 7 To 12, Add	*228.18*	
07 31 26 00-0005	SQ	Slate Shingles, Vermont, Unfading Colors, Green	1,333.70	320.90
		For >50 To 75, Deduct	*-24.83*	
		For >75 To 100, Deduct	*-61.27*	
		For >100 To 200, Deduct	*-103.92*	
		For >200, Deduct	*-140.37*	
		For Graduated Shapes, Add	*93.10*	
		For Steep Roof, Over 7 To 12, Add	*228.18*	
07 31 26 00-0006	SQ	Slate Shingles, Vermont, Unfading Colors, Semi-Weathered, Green/Gray	1,388.64	320.90
		For >50 To 75, Deduct	*-27.02*	
		For >75 To 100, Deduct	*-65.12*	
		For >100 To 200, Deduct	*-109.97*	
		For >200, Deduct	*-148.06*	
		For Graduated Shapes, Add	*101.34*	
		For Steep Roof, Over 7 To 12, Add	*228.18*	
07 31 26 00-0007	SQ	Slate Shingles, Vermont, Unfading Color, Purple	1,319.96	320.90
		For >50 To 75, Deduct	*-24.28*	
		For >75 To 100, Deduct	*-60.31*	
		For >100 To 200, Deduct	*-102.41*	
		For >200, Deduct	*-138.45*	
		For Graduated Shapes, Add	*91.04*	
		For Steep Roof, Over 7 To 12, Add	*228.18*	
07 31 26 00-0008	SQ	Slate Shingles, Vermont, Unfading Color, Black Or Gray	1,278.76	320.90
		For >50 To 75, Deduct	*-22.63*	
		For >75 To 100, Deduct	*-57.43*	
		For >100 To 200, Deduct	*-97.88*	
		For >200, Deduct	*-132.68*	
		For Graduated Shapes, Add	*84.86*	
		For Steep Roof, Over 7 To 12, Add	*228.18*	
07 31 26 00-0009	SQ	Slate Shingles, Vermont, Unfading Color, Red	2,136.99	320.90
		For >50 To 75, Deduct	*-56.96*	
		For >75 To 100, Deduct	*-117.50*	
		For >100 To 200, Deduct	*-192.29*	
		For >200, Deduct	*-252.83*	
		For Graduated Shapes, Add	*213.59*	
		For Steep Roof, Over 7 To 12, Add	*228.18*	
07 31 26 00-0010	SQ	Slate Shingles, Vermont, Unfading Color, Variegated Purple	1,319.96	320.90
		For >50 To 75, Deduct	*-24.28*	
		For >75 To 100, Deduct	*-60.31*	
		For >100 To 200, Deduct	*-102.41*	
		For >200, Deduct	*-138.45*	
		For Graduated Shapes, Add	*91.04*	
		For Steep Roof, Over 7 To 12, Add	*228.18*	

07 31 29 Wood Shingles and Shakes *(07 31)*

07 31 29 13 Wood Shingles *(07 31 29)*

07 31 29 13-0001 #1 Grade, Red Cedar Shingles *(07 31 29 13)*

07 31 29 13-0002 #1 Grade, Red Cedar Shingles Installed On Roofs *(07 31 29 13-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 29 13-0003	SQ	3-3/4" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	935.35	220.66
		For Steep Roof, Over 7 To 12, Add	*141.23*	
		For Pressure-Impregnated Treated (Preservative), Add	*74.10*	
07 31 29 13-0004	SQ	5" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	676.82	165.50
		For Steep Roof, Over 7 To 12, Add	*105.92*	
		For Pressure-Impregnated Treated (Preservative), Add	*51.87*	
07 31 29 13-0005	SQ	4-1/2" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	832.09	187.57
		For Steep Roof, Over 7 To 12, Add	*120.04*	
		For Pressure-Impregnated Treated (Preservative), Add	*68.54*	
07 31 29 13-0006	SQ	5-1/2" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	681.35	154.46
		For Steep Roof, Over 7 To 12, Add	*98.86*	
		For Pressure-Impregnated Treated (Preservative), Add	*55.86*	
07 31 29 13-0007	SQ	5-3/4" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	914.89	146.19
		For Steep Roof, Over 7 To 12, Add	*93.56*	
		For Pressure-Impregnated Treated (Preservative), Add	*93.38*	
07 31 29 13-0008	SQ	7-1/2" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	705.78	124.12
		For Steep Roof, Over 7 To 12, Add	*79.44*	
		For Pressure-Impregnated Treated (Preservative), Add	*68.63*	

07 31 29 13-0009 #1 Grade, Red Cedar Shingles Installed On Walls *(07 31 29 13-0001)*

07 31 29 13-0010	SQ	7" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall	644.21	198.60
		For Pressure-Impregnated Treated (Preservative), Add	*37.05*	
07 31 29 13-0011	SQ	8" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall	631.98	187.57
		For Pressure-Impregnated Treated (Preservative), Add	*38.53*	
07 31 29 13-0012	SQ	10-1/2" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall	652.30	162.75
		For Pressure-Impregnated Treated (Preservative), Add	*49.02*	

07 31 29 13-0013 #2 Grade, Red Cedar Shingles *(07 31 29 13)*

07 31 29 13-0014 #2 Grade, Red Cedar Shingles Installed On Roofs *(07 31 29 13-0013)*

07 31 29 13-0015	SQ	3-1/2" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	862.41	231.70
		For Steep Roof, Over 7 To 12, Add	*148.28*	
		For Pressure-Impregnated Treated (Preservative), Add	*59.85*	
07 31 29 13-0016	SQ	4" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	768.40	209.63
		For Steep Roof, Over 7 To 12, Add	*134.16*	
		For Pressure-Impregnated Treated (Preservative), Add	*52.37*	
07 31 29 13-0017	SQ	4" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	822.87	209.63
		For Steep Roof, Over 7 To 12, Add	*134.16*	
		For Pressure-Impregnated Treated (Preservative), Add	*60.54*	
07 31 29 13-0018	SQ	4-1/2" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	734.18	187.57
		For Steep Roof, Over 7 To 12, Add	*120.04*	
		For Pressure-Impregnated Treated (Preservative), Add	*53.86*	
07 31 29 13-0019	SQ	5-3/4" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	726.69	146.19
		For Steep Roof, Over 7 To 12, Add	*93.56*	
		For Pressure-Impregnated Treated (Preservative), Add	*65.15*	
07 31 29 13-0020	SQ	6-1/2" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	592.04	126.88
		For Steep Roof, Over 7 To 12, Add	*81.20*	
		For Pressure-Impregnated Treated (Preservative), Add	*50.74*	

07 31 29 13-0021 #2 Grade, Red Cedar Shingles Installed On Walls *(07 31 29 13-0013)*

07 31 29 13-0022	SQ	6" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall	618.77	209.63
		For Pressure-Impregnated Treated (Preservative), Add	*29.93*	
07 31 29 13-0023	SQ	7" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall	599.00	198.60
		For Pressure-Impregnated Treated (Preservative), Add	*30.27*	
07 31 29 13-0024	SQ	9" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall	581.07	176.54
		For Pressure-Impregnated Treated (Preservative), Add	*34.20*	

07 31 29 16 Wood Shakes *(07 31 29)*

07 31 29 16-0001 #1 Grade, Red Cedar Shakes *(07 31 29 16)*

07 31 29 16-0002 #1 Grade, Red Cedar Shakes Installed On Roofs *(07 31 29 16-0001)*

07 31 29 16-0003	SQ	8-1/2" Exposure, 1/2" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Roof	677.80	179.29
		For Steep Roof, Over 7 To 12, Add	*114.75*	
		For Pressure-Impregnated Treated (Preservative), Add	*47.88*	
07 31 29 16-0004	SQ	8-1/2" Exposure, 3/4" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Roof	784.20	179.29
		For Steep Roof, Over 7 To 12, Add	*114.75*	
		For Pressure-Impregnated Treated (Preservative), Add	*63.84*	
07 31 29 16-0005	SQ	10" Exposure, 1/2" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Roof	731.30	146.19
		For Steep Roof, Over 7 To 12, Add	*93.56*	
		For Pressure-Impregnated Treated (Preservative), Add	*65.84*	
07 31 29 16-0006	SQ	10" Exposure, 3/4" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Roof	776.52	146.19
		For Steep Roof, Over 7 To 12, Add	*93.56*	
		For Pressure-Impregnated Treated (Preservative), Add	*72.62*	

07 31 29 16-0007 #1 Grade, Red Cedar Shakes Installed On Walls *(07 31 29 16-0001)*

07 31 29 16-0008	SQ	8-1/2" Exposure, 1/2" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Wall	705.39	193.08
		For Pressure-Impregnated Treated (Preservative), Add	*47.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 29 16-0009	SQ	8-1/2" Exposure, 3/4" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Wall	811.79	193.08
		For Pressure-Impregnated Treated (Preservative), Add	*63.84*	
07 31 29 16-0010	SQ	10" Exposure, 1/2" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Wall	769.92	165.50
		For Pressure-Impregnated Treated (Preservative), Add	*65.84*	
07 31 29 16-0011	SQ	10" Exposure, 3/4" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Wall	815.14	165.50
		For Pressure-Impregnated Treated (Preservative), Add	*72.62*	

07 31 29 19 Wood Shingles And Shakes Cap *(07 31 29)*

07 31 29 19-0001 Accessories *(07 31 29 19)*

07 31 29 19-0002	LF	Hip Or Ridge Cap For Wood Shingles Or Shakes	11.76	1.43
		For Steep Roof, Over 7 To 12, Add	*1.07*	
		For Pressure-Impregnated Treated (Preservative) Ridge, Add	*1.26*	

07 31 33 Composite Rubber Shingles *(07 31)*

07 31 33 00-0001 Synthetic Polymeric Rubber Slate Shingles *(07 31 33)*

Note: As manufactured by EcoStar.

07 31 33 00-0002	SQ	Class C Rectangular Edges Polymeric Rubber Slate Shingles, 7.0" Exposure Note: Gray or black.	1,448.24	288.38
		For Purple Or Green Color, Add	*139.45*	
		For Brown Or Red Color, Add	*357.33*	
		For Steep Roof, Over 7 To 12, Add	*184.54*	
		For >50 To 75, Deduct	*-21.79*	
		For >75 To 100, Deduct	*-57.99*	
		For >100 To 200, Deduct	*-94.20*	
		For >200, Deduct	*-144.82*	
		For 6.5" Exposure, Add	*100.70*	
		For 6.0" Exposure, Add	*201.40*	
07 31 33 00-0003	SQ	Class A Rectangular Edges Polymeric Rubber Slate Shingles, 7.0" Exposure Note: Fire resistant. Gray or black.	2,029.27	288.38
		For Purple, Green, Brown Or Red, Add	*217.89*	
		For Steep Roof, Over 7 To 12, Add	*184.54*	
		For >50 To 75, Deduct	*-36.31*	
		For >75 To 100, Deduct	*-87.05*	
		For >100 To 200, Deduct	*-137.78*	
		For >200, Deduct	*-202.93*	
		For 6.5" Exposure, Add	*142.20*	
		For 6.0" Exposure, Add	*284.40*	
07 31 33 00-0004	SQ	Class C Shaped Polymeric Rubber Slate Shingle, 7.0" Exposure Note: Beaver tail, chisel point or beveled edges. Gray or black.	1,687.49	288.38
		For Purple, Green, Brown Or Red, Add	*399.88*	
		For Steep Roof, Over 7 To 12, Add	*184.54*	
		For >50 To 75, Deduct	*-27.77*	
		For >75 To 100, Deduct	*-69.96*	
		For >100 To 200, Deduct	*-112.14*	
		For >200, Deduct	*-168.75*	
		For 6.5" Exposure, Add	*117.79*	
		For 6.0" Exposure, Add	*235.58*	
07 31 33 00-0005	SQ	Class A Shaped Polymeric Rubber Slate Shingle, 7.0" Exposure Note: Fire resistant. Beaver tail, chisel point or beveled edges. Gray or black.	2,148.90	288.38
		For Purple, Green, Brown Or Red, Add	*172.94*	
		For Steep Roof, Over 7 To 12, Add	*184.54*	
		For >50 To 75, Deduct	*-39.31*	
		For >75 To 100, Deduct	*-93.03*	
		For >100 To 200, Deduct	*-146.75*	
		For >200, Deduct	*-214.89*	
		For 6.5" Exposure, Add	*150.75*	
		For 6.0" Exposure, Add	*301.49*	
07 31 33 00-0006	LF	Hip Or Ridge Polymeric Rubber Slate Shingle Note: Beveled or pointed edges, gray or black.	16.54	1.94

07 32 Roof Tiles *(07 30)*

07 32 13 Clay Roof Tiles *(07 32)*

Note: 8-1/4" x 11" exposure. Includes mortar, battens, fasteners, felt underlayment and 90# cap sheet.

07 32 13 00-0001 Clay Roofing Tile 8-1/4" x 11" Exposure *(07 32 13)*

Note: Includes mortar, battens, fasteners, felt underlayment and 90# cap sheet.

07 32 13 00-0002	SQ	Lanai Or Classic Tile, 158 Piece Per SQ	1,393.18	304.34
		For >25 To 50, Deduct	*-47.07*	
		For >50 To 75, Deduct	*-93.66*	
		For >75 To 100, Deduct	*-132.41*	
		For >100 To 200, Deduct	*-163.32*	
		For >200, Deduct	*-186.38*	
		For 20 Year Warranty, Add	*54.91*	
07 32 13 00-0003	SQ	Americana (Most Colors) Tile Roofing, 158 Piece Per SQ	1,644.64	304.34
		For >25 To 50, Deduct	*-62.15*	
		For >50 To 75, Deduct	*-118.81*	
		For >75 To 100, Deduct	*-165.10*	
		For >100 To 200, Deduct	*-201.04*	
		For >200, Deduct	*-226.62*	
		For 20 Year Warranty, Add	*72.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 32 13 00-0004	SQ	Americana (Green, Gray Or Brown) Tile, 158 Piece Per SQ	1,644.64	304.34
		For >25 To 50, Deduct	*-62.15*	
		For >50 To 75, Deduct	*-118.81*	
		For >75 To 100, Deduct	*-165.10*	
		For >100 To 200, Deduct	*-201.04*	
		For >200, Deduct	*-226.62*	
		For 20 Year Warranty, Add	*72.51*	
07 32 13 00-0005	SQ	Americana (Blue) Tile, 158 Piece Per SQ	1,858.00	304.34
		For >25 To 50, Deduct	*-74.96*	
		For >50 To 75, Deduct	*-140.14*	
		For >75 To 100, Deduct	*-192.84*	
		For >100 To 200, Deduct	*-233.04*	
		For >200, Deduct	*-260.76*	
		For 20 Year Warranty, Add	*87.45*	
07 32 13 00-0006	SQ	French Tile Roofing, Red, 133 Piece Per SQ	1,663.82	372.11
		For >25 To 50, Deduct	*-55.18*	
		For >50 To 75, Deduct	*-110.57*	
		For >75 To 100, Deduct	*-156.76*	
		For >100 To 200, Deduct	*-193.76*	
		For >200, Deduct	*-221.56*	
		For 20 Year Warranty, Add	*64.37*	
07 32 13 00-0007	SQ	French Tile Roofing, Blue Or Green, 133 Piece Per SQ	2,039.16	372.11
		For >25 To 50, Deduct	*-77.70*	
		For >50 To 75, Deduct	*-148.10*	
		For >75 To 100, Deduct	*-205.56*	
		For >100 To 200, Deduct	*-250.06*	
		For >200, Deduct	*-281.61*	
		For 20 Year Warranty, Add	*90.65*	
07 32 13 00-0008	SQ	Norman Tile Roofing, 317 Piece Per SQ	2,611.07	501.99
		For >25 To 50, Deduct	*-96.44*	
		For >50 To 75, Deduct	*-185.83*	
		For >75 To 100, Deduct	*-259.14*	
		For >100 To 200, Deduct	*-316.38*	
		For >200, Deduct	*-357.55*	
		For 20 Year Warranty, Add	*112.52*	
07 32 13 00-0009	SQ	Williamsburg Tile Roofing, Aged Cedar, 158 Piece Per SQ	1,476.03	372.11
		For >25 To 50, Deduct	*-43.91*	
		For >50 To 75, Deduct	*-91.79*	
		For >75 To 100, Deduct	*-132.35*	
		For >100 To 200, Deduct	*-165.59*	
		For >200, Deduct	*-191.51*	
		For 20 Year Warranty, Add	*51.23*	
07 32 13 00-0010	SQ	Williamsburg Tile Roofing, Gray Or Green, 158 Piece Per SQ	1,780.08	372.11
		For >25 To 50, Deduct	*-62.15*	
		For >50 To 75, Deduct	*-122.19*	
		For >75 To 100, Deduct	*-171.88*	
		For >100 To 200, Deduct	*-211.20*	
		For >200, Deduct	*-240.16*	
		For 20 Year Warranty, Add	*72.51*	
07 32 13 00-0011	SQ	Spanish Tile Roofing, Red, 171 Piece Per SQ	1,250.27	278.61
		For >25 To 50, Deduct	*-41.58*	
		For >50 To 75, Deduct	*-83.23*	
		For >75 To 100, Deduct	*-117.95*	
		For >100 To 200, Deduct	*-145.74*	
		For >200, Deduct	*-166.61*	
		For 20 Year Warranty, Add	*48.51*	
07 32 13 00-0012	SQ	Spanish Tile Roofing, Blend, 171 Piece Per SQ	1,577.93	278.61
		For >25 To 50, Deduct	*-61.24*	
		For >50 To 75, Deduct	*-116.00*	
		For >75 To 100, Deduct	*-160.55*	
		For >100 To 200, Deduct	*-194.89*	
		For >200, Deduct	*-219.03*	
		For 20 Year Warranty, Add	*71.45*	
07 32 13 00-0013	SQ	Spanish Tile Roofing, Glazed White, 171 Piece Per SQ	1,859.87	278.61
		For >25 To 50, Deduct	*-78.16*	
		For >50 To 75, Deduct	*-144.19*	
		For >75 To 100, Deduct	*-197.20*	
		For >100 To 200, Deduct	*-237.18*	
		For >200, Deduct	*-264.14*	
		For 20 Year Warranty, Add	*91.18*	
07 32 13 00-0014	SQ	Two Piece Mission Tile Roofing, 192 Piece Per SQ	2,290.35	436.73
		For >25 To 50, Deduct	*-85.01*	
		For >50 To 75, Deduct	*-163.53*	
		For >75 To 100, Deduct	*-227.87*	
		For >100 To 200, Deduct	*-278.04*	
		For >200, Deduct	*-314.05*	
		For 20 Year Warranty, Add	*99.18*	
07 32 13 00-0015	SQ	One Piece Mission Tile Roofing, 75 Piece Per SQ	1,065.52	304.34
		For >25 To 50, Deduct	*-27.41*	
		For >50 To 75, Deduct	*-60.90*	
		For >75 To 100, Deduct	*-89.82*	
		For >100 To 200, Deduct	*-114.17*	
		For >200, Deduct	*-133.96*	
		For 20 Year Warranty, Add	*31.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 32 13 00-0016	SQ	One Piece Mission Tile Roofing, 134 Piece Per SQ	1,433.10	436.73
		For >25 To 50, Deduct	*-33.58*	
		For >50 To 75, Deduct	*-77.80*	
		For >75 To 100, Deduct	*-116.43*	
		For >100 To 200, Deduct	*-149.46*	
		For >200, Deduct	*-176.89*	
		For 20 Year Warranty, Add	*39.17*	

07 32 16 Concrete Roof Tiles *(07 32)*

07 32 16 00-0001 Corrugated Tiles And Shakes Nailed To Wood *(07 32 16)*

Note: Includes 30 Lb. felt underlayment.

07 32 16 00-0002	SQ	13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 Lb./SQ, Earthtone Colors, Corrugated	1,219.37	461.33
		For >50 To 75, Deduct	*-11.86*	
		For >75 To 100, Deduct	*-43.83*	
		For >100 To 200, Deduct	*-78.76*	
		For >200, Deduct	*-110.73*	
		For Steep Roof, Over 7 To 12, Add	*295.29*	
07 32 16 00-0003	SQ	13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 Lb./SQ, Custom Blues, Corrugated	1,515.52	461.33
		For >50 To 75, Deduct	*-23.71*	
		For >75 To 100, Deduct	*-64.56*	
		For >100 To 200, Deduct	*-111.34*	
		For >200, Deduct	*-152.19*	
		For Steep Roof, Over 7 To 12, Add	*295.29*	
07 32 16 00-0004	SQ	13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 Lb./SQ, Custom Greens Corrugated	1,278.60	461.33
		For >50 To 75, Deduct	*-14.23*	
		For >75 To 100, Deduct	*-47.98*	
		For >100 To 200, Deduct	*-85.28*	
		For >200, Deduct	*-119.02*	
		For Steep Roof, Over 7 To 12, Add	*295.29*	
07 32 16 00-0005	SQ	13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 Lb./SQ, Colors, Shakes	1,196.28	412.76
		For >50 To 75, Deduct	*-14.82*	
		For >75 To 100, Deduct	*-46.58*	
		For >100 To 200, Deduct	*-82.05*	
		For >200, Deduct	*-113.81*	
		For Steep Roof, Over 7 To 12, Add	*264.21*	

07 32 16 00-0006 Accessories *(07 32 16)*

07 32 16 00-0007	EA	Ridge And Hip, 10" X 16-1/2", 8 Lb. Each For Concrete Tile Roof	5.00
07 32 16 00-0008	EA	Rake, 6-1/2" X 16-3/4", 9 Lb. Each For Concrete Tile Roof	3.29
07 32 16 00-0009	EA	Mansard Hip, 10" X 16-1/2", 9.2 Lb. Each For Concrete Tile Roof	4.97
07 32 16 00-0010	EA	Hip Starter, 10" X 16-1/2", 10.5 Lb. Each For Concrete Tile Roof	5.69
07 32 16 00-0011	EA	3 Or 4 Way Apex, 10" Each Side, 11.5 Lb. Each For Concrete Tile Roof	5.92

07 32 16 00-0012 Concrete Roof Tiles (Boral) *(07 32 16)*

07 32 16 00-0013	SQ	13" x 17" Concrete Roof Tile, 85/SQ, 930 Lb./SQ, Saxony® 900 Slate, California Mission Blend Color	1,107.73	461.33
		For >50 To 75, Deduct	*-7.40*	
		For >75 To 100, Deduct	*-36.02*	
		For >100 To 200, Deduct	*-66.48*	
		For >200, Deduct	*-95.10*	
		For Steep Roof, Over 7 To 12, Add	*295.29*	

07 32 16 00-0014 ConcreteTiles Accessories (Boral) *(07 32 16)*

07 32 16 00-0015	EA	Saxony Galvanized Clip For Concrete Roof Tile	0.23
07 32 16 00-0016	EA	1" x 3" x 8" Elevated Battens For Concrete Roof Tile	4.68

07 34 Roofing Underlayment *(07 30)*

07 34 00 00-0001 Mechanically Fastened, Roofing Underlayment *(07 34)*

Note: Standard slope.

07 34 00 00-0002	SQ	15 Lb., Asphalt Saturated Organic Felt Roofing Underlayment, Mechanically Fastened	40.96	9.29
		For Steep Roof, Over 7 To 12, Add	*5.95*	
		For >50 To 75, Deduct	*-0.89*	
		For >75 To 100, Deduct	*-2.03*	
		For >100 To 200, Deduct	*-3.39*	
		For >200, Deduct	*-4.99*	
07 34 00 00-0003	SQ	30 Lb., Asphalt Saturated Organic Felt Roofing Underlayment, Mechanically Fastened	62.95	12.78
		For Steep Roof, Over 7 To 12, Add	*8.18*	
		For >50 To 75, Deduct	*-1.50*	
		For >75 To 100, Deduct	*-3.26*	
		For >100 To 200, Deduct	*-5.39*	
		For >200, Deduct	*-7.79*	
07 34 00 00-0004	SQ	30 Lb., Asphalt Saturated Organic Felt Shake Underlayment, Mechanically Fastened	69.99	12.78
		For Steep Roof, Over 7 To 12, Add	*8.18*	
		For >50 To 75, Deduct	*-1.78*	
		For >75 To 100, Deduct	*-3.75*	
		For >100 To 200, Deduct	*-6.17*	
		For >200, Deduct	*-8.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 34 00 00-0005	SQ	Fire Rated, Polypropylene Roofing Underlayment, Mechanically Fastened (Rex™ Synfelt)	78.66	19.36
		For Steep Roof, Over 7 To 12, Add	*12.39*	
		For >50 To 75, Deduct	*-1.60*	
		For >75 To 100, Deduct	*-3.76*	
		For >100 To 200, Deduct	*-6.33*	
		For >200, Deduct	*-9.46*	
07 34 00 00-0006	SQ	17 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 25)	86.99	19.36
		For Steep Roof, Over 7 To 12, Add	*12.39*	
		For >50 To 75, Deduct	*-1.93*	
		For >75 To 100, Deduct	*-4.35*	
		For >100 To 200, Deduct	*-7.25*	
		For >200, Deduct	*-10.63*	
07 34 00 00-0007	SQ	25 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 30)	100.73	19.36
		For Steep Roof, Over 7 To 12, Add	*12.39*	
		For >50 To 75, Deduct	*-2.48*	
		For >75 To 100, Deduct	*-5.31*	
		For >100 To 200, Deduct	*-8.76*	
		For >200, Deduct	*-12.55*	
07 34 00 00-0008	SQ	30 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 50)	93.86	19.36
		For Steep Roof, Over 7 To 12, Add	*12.39*	
		For >50 To 75, Deduct	*-2.21*	
		For >75 To 100, Deduct	*-4.83*	
		For >100 To 200, Deduct	*-8.00*	
		For >200, Deduct	*-11.59*	

07 34 00 00-0009 Self-Adhering, Roofing Underlayment *(07 34)*

Note: Standard slope.

07 34 00 00-0010	SQ	48 Mil, Fire Rated, Polymeric Asphalt Surfaced, Fiberglass Mat Reinforced, Styrene-Butadiene-Styrene (SBS) Modified Roofing Underlayment, Self-Adhering (Owens Corning® WeatherLock® Mat)	160.99	23.49
		For Steep Roof, Over 7 To 12, Add	*15.02*	
		For >50 To 75, Deduct	*-4.56*	
		For >75 To 100, Deduct	*-9.16*	
		For >100 To 200, Deduct	*-14.89*	
		For >200, Deduct	*-20.66*	
07 34 00 00-0011	SQ	60 Mil, Fire Rated, Granule Surfaced, Rubberized Asphalt Adhesive, Roofing Underlayment, Self-Adhering (Grace Basik®)	240.64	23.49
		For Steep Roof, Over 7 To 12, Add	*15.02*	
		For >50 To 75, Deduct	*-7.75*	
		For >75 To 100, Deduct	*-14.73*	
		For >100 To 200, Deduct	*-23.65*	
		For >200, Deduct	*-31.81*	
07 34 00 00-0012	SQ	53 Mil, Fire Rated, Granule Surfaced, Fiberglass Mat Reinforced, Styrene-Butadiene-Styrene (SBS) Modified Roofing Underlayment, Self-Adhering (Owens Corning® WeatherLock® G)	170.84	23.49
		For Steep Roof, Over 7 To 12, Add	*15.02*	
		For >50 To 75, Deduct	*-4.96*	
		For >75 To 100, Deduct	*-9.85*	
		For >100 To 200, Deduct	*-15.98*	
		For >200, Deduct	*-22.04*	
07 34 00 00-0013	SQ	65 Mil, Fire Rated, Polyester Non-Woven Fabric Surfaced, Fiberglass Mat Reinforced, Styrene-Butadiene-Styrene (SBS) Modified Roofing Underlayment, Self-Adhering (Owens Corning® WeatherLock® Specialty Tile And Metal)	160.99	23.49
		For Steep Roof, Over 7 To 12, Add	*15.02*	
		For >50 To 75, Deduct	*-4.56*	
		For >75 To 100, Deduct	*-9.16*	
		For >100 To 200, Deduct	*-14.89*	
		For >200, Deduct	*-20.66*	
07 34 00 00-0014	SQ	45 Mil, Fire Rated, High Temperature, Synthetic Polymer Surfaced, Modified Rubberized Asphalt, Roofing Underlayment, Self-Adhering (TITANIUM™ PSU-30)	229.15	23.49
		For Steep Roof, Over 7 To 12, Add	*15.02*	
		For >50 To 75, Deduct	*-7.29*	
		For >75 To 100, Deduct	*-13.93*	
		For >100 To 200, Deduct	*-22.39*	
		For >200, Deduct	*-30.20*	
07 34 00 00-0015	SQ	25 Mil, Fire Rated, Embossed Surface, Rubberized Asphalt Adhesive, High-Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Select)	193.16	23.49
		For Steep Roof, Over 7 To 12, Add	*15.02*	
		For >50 To 75, Deduct	*-5.85*	
		For >75 To 100, Deduct	*-11.41*	
		For >100 To 200, Deduct	*-18.43*	
		For >200, Deduct	*-25.16*	
07 34 00 00-0016	SQ	40 Mil, Fire Rated, Embossed Surface, Rubberized Asphalt Adhesive, High-Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ice And Water Shield®)	285.90	23.49
		For Steep Roof, Over 7 To 12, Add	*15.02*	
		For >50 To 75, Deduct	*-9.56*	
		For >75 To 100, Deduct	*-17.90*	
		For >100 To 200, Deduct	*-28.63*	
		For >200, Deduct	*-38.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 34 00 00-0017	SQ	40 Mil, Fire Rated, High Temperature, Embossed Surface, Rubberized Asphalt Adhesive, High-Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ice And Water Shield® HT)	326.53	23.49
		For Steep Roof, Over 7 To 12, Add	*15.02*	
		For >50 To 75, Deduct	*-11.18*	
		For >75 To 100, Deduct	*-20.74*	
		For >100 To 200, Deduct	*-33.10*	
		For >200, Deduct	*-43.84*	
07 34 00 00-0018	SQ	30 Mil, Fire Rated, High Temperature, Fire Rated, Embossed Surface, Butyl Rubber Based Adhesive, High-Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ultra)	478.95	23.49
		For Steep Roof, Over 7 To 12, Add	*15.02*	
		For >50 To 75, Deduct	*-17.28*	
		For >75 To 100, Deduct	*-31.41*	
		For >100 To 200, Deduct	*-49.87*	
		For >200, Deduct	*-65.18*	

07 40 Roofing and Siding Panels *(07)*

07 41 Roof Panels *(07 40)*

Note: Includes standard fasteners, grommets, cleats for installation.

07 41 13 Metal Roof Panels *(07 41)*

07 41 13 00-0001 Exposed Fastener Metal Roofing *(07 41 13)*

Note: Includes 15 year warranty and all warranties are no dollar limit to include material and labor.

07 41 13 00-0002 Galvanized Exposed Fastener Metal Roofing *(07 41 13 00-0001)*

07 41 13 00-0003 Galvanized Steel Exposed Fastener Metal Roof Panels *(07 41 13 00-0002)*

07 41 13 00-0004	SF	18 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels	7.63	2.87
		For Fluoropolymer (Kynar®) Coating, Add	*1.66*	
		For Steep Roof, Over 7 To 12, Add	*1.47*	
07 41 13 00-0005	SF	20 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels	7.09	2.87
		For Fluoropolymer (Kynar®) Coating, Add	*1.66*	
		For Steep Roof, Over 7 To 12, Add	*1.47*	
07 41 13 00-0006	SF	22 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels	6.72	2.87
		For Fluoropolymer (Kynar®) Coating, Add	*1.66*	
		For Steep Roof, Over 7 To 12, Add	*1.47*	
07 41 13 00-0007	SF	24 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels	6.35	2.87
		For Fluoropolymer (Kynar®) Coating, Add	*1.66*	
		For Steep Roof, Over 7 To 12, Add	*1.47*	
07 41 13 00-0008	SF	26 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels	6.04	2.87
		For Fluoropolymer (Kynar®) Coating, Add	*1.66*	
		For Steep Roof, Over 7 To 12, Add	*1.47*	
07 41 13 00-0009	SF	28 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels	5.78	2.87
		For Fluoropolymer (Kynar®) Coating, Add	*1.66*	
		For Steep Roof, Over 7 To 12, Add	*1.47*	
07 41 13 00-0010	SF	30 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels	5.67	2.87
		For Fluoropolymer (Kynar®) Coating, Add	*1.66*	
		For Steep Roof, Over 7 To 12, Add	*1.47*	

07 41 13 00-0011 Galvanized Exposed Fastener Metal Roof Accessories *(07 41 13 00-0002)*

See CSI section 07 41 13 00-0038 for accessories.

07 41 13 00-0012	LF	Ridge Flashing For Galvanized Steel Exposed Fastener Roofing	28.03	2.99
		For Steep Roof, Over 7 To 12, Add	*3.86*	
		For Fluoropolymer (Kynar®) Coating, Add	*1.60*	
07 41 13 00-0013	LF	9" To 12" Girth, Eave Or Gable Flashing For Galvanized Steel Exposed Fastener Roofing	17.51	1.96
		For Steep Roof, Over 7 To 12, Add	*2.57*	
		For Fluoropolymer (Kynar®) Coating, Add	*0.95*	
07 41 13 00-0014	LF	Valley Flashing For Galvanized Steel Exposed Fastener Roofing	34.31	2.99
		For Steep Roof, Over 7 To 12, Add	*3.86*	
		For Fluoropolymer (Kynar®) Coating, Add	*2.23*	
07 41 13 00-0015	LF	Hip Flashing For Galvanized Steel Exposed Fastener Roofing	28.60	2.99
		For Steep Roof, Over 7 To 12, Add	*3.86*	
		For Fluoropolymer (Kynar®) Coating, Add	*1.66*	

07 41 13 00-0016 Aluminum Exposed Fastener Metal Roofing *(07 41 13 00-0001)*

07 41 13 00-0017 Aluminum Exposed Fastener Metal Roof Panels *(07 41 13 00-0016)*

07 41 13 00-0018	SF	0.0155", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	8.42	2.87
		For Fluoropolymer (Kynar®) Coating, Add	*1.66*	
		For Steep Roof, Over 7 To 12, Add	*1.47*	
07 41 13 00-0019	SF	0.018", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	9.04	2.87
		For Fluoropolymer (Kynar®) Coating, Add	*1.66*	
		For Steep Roof, Over 7 To 12, Add	*1.47*	
07 41 13 00-0020	SF	0.024", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	10.52	2.87
		For Fluoropolymer (Kynar®) Coating, Add	*1.66*	
		For Steep Roof, Over 7 To 12, Add	*1.47*	
07 41 13 00-0021	SF	0.032", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	12.49	2.87
		For Fluoropolymer (Kynar®) Coating, Add	*1.66*	
		For Steep Roof, Over 7 To 12, Add	*1.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0022	SF	0.040", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	14.47	2.87
		For Fluoropolymer (Kynar®) Coating, Add	*1.66*	
		For Steep Roof, Over 7 To 12, Add	*1.47*	
07 41 13 00-0023	SF	0.050", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	16.94	2.87
		For Fluoropolymer (Kynar®) Coating, Add	*1.66*	
		For Steep Roof, Over 7 To 12, Add	*1.47*	

07 41 13 00-0024 Aluminum Exposed Fastener Metal Roof Accessories *(07 41 13 00-0016)*

07 41 13 00-0025	LF	Ridge Flashing For Aluminum Exposed Fastener Metal Roofing	31.88	2.99
		For Steep Roof, Over 7 To 12, Add	*3.86*	
		For Fluoropolymer (Kynar®) Coating, Add	*1.98*	
07 41 13 00-0026	LF	9" To 12" Girth, Eave Or Gable Flashing For Aluminum Exposed Fastener Metal Roofing	19.73	2.07
		For Steep Roof, Over 7 To 12, Add	*2.57*	
		For Fluoropolymer (Kynar®) Coating, Add	*1.17*	
07 41 13 00-0027	LF	Valley Flashing For Aluminum Exposed Fastener Metal Roofing	39.72	2.99
		For Steep Roof, Over 7 To 12, Add	*3.86*	
		For Fluoropolymer (Kynar®) Coating, Add	*2.77*	
07 41 13 00-0028	LF	Hip Flashing For Aluminum Exposed Fastener Metal Roofing	32.59	2.99
		For Steep Roof, Over 7 To 12, Add	*3.86*	
		For Fluoropolymer (Kynar®) Coating, Add	*2.05*	

07 41 13 00-0029 Standing Seam Roofs *(07 41 13)*

Note: Includes all profiles of vertical leg and batten style standing seam roofing. Includes all clips, neoprene closures, metal closures, battens, tape sealer, tube sealant, fasteners, vent material, panel starters and cleats. Based on Garland R-Mer Clad or R-Mer Seam architectural roofing, R-Mer Loc architectural/structural roofing, and R-Mer Span structural roofing. Architectural roofing requires a solid substrate and underlayment, requires a minimum 3:12 pitch, and includes a 20 year no dollar limit warranty. Architectural/structural roofing does not require a solid substrate or underlayment, requires a minimum 3:12 pitch, and includes a 25 year no dollar limit warranty. Structural roofing does not require a solid substrate or underlayment, requires a minimum 1/4" per foot slope, and includes a 25 year no dollar limit warranty.

07 41 13 00-0030 Galvanized Steel Standing Seam Concealed Fastener Roofing *(07 41 13 00-0029)*

Note: All steel is galvanized G90 rated or galvalume®. Factory paint finish is Kynar 500®, Hylar 5000® or equal polyvinylidene fluoride (PVDF) finish.

07 41 13 00-0031 Galvanized Steel Standing Seam Concealed Fastener Roofing *(07 41 13 00-0030)*

07 41 13 00-0032	SF	Architectural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	13.36	3.05
		For Steep Roof, Over 6 To 12, Add	*1.82*	
		For Panels <16" Wide, Add	*1.79*	
		For 140 MPH Wind Load, Add	*0.75*	
		For Up To 1,500, Add	*3.34*	
		For >1,500 To 5,000, Add	*2.00*	
		For >5,000 To 10,000, Add	*0.33*	
07 41 13 00-0033	SF	Architectural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	14.05	3.05
		For Steep Roof, Over 6 To 12, Add	*1.82*	
		For Panels <16" Wide, Add	*1.83*	
		For 140 MPH Wind Load, Add	*0.77*	
		For Up To 1,500, Add	*3.51*	
		For >1,500 To 5,000, Add	*2.11*	
		For >5,000 To 10,000, Add	*0.35*	
07 41 13 00-0034	SF	Architectural/Structural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	12.76	3.05
		For Steep Roof, Over 6 To 12, Add	*1.82*	
		For Panels <16" Wide, Add	*1.76*	
		For 140 MPH Wind Load, Add	*0.74*	
		For Up To 1,500, Add	*3.19*	
		For >1,500 To 5,000, Add	*1.91*	
		For >5,000 To 10,000, Add	*0.32*	
07 41 13 00-0035	SF	Architectural/Structural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	13.00	3.05
		For Steep Roof, Over 6 To 12, Add	*1.82*	
		For Panels <16" Wide, Add	*1.77*	
		For 140 MPH Wind Load, Add	*0.75*	
		For Up To 1,500, Add	*3.25*	
		For >1,500 To 5,000, Add	*1.95*	
		For >5,000 To 10,000, Add	*0.33*	
07 41 13 00-0036	SF	Structural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	13.27	3.05
		For Steep Roof, Over 6 To 12, Add	*1.82*	
		For Panels <16" Wide, Add	*1.79*	
		For 140 MPH Wind Load, Add	*0.75*	
		For Up To 1,500, Add	*3.32*	
		For >1,500 To 5,000, Add	*1.99*	
		For >5,000 To 10,000, Add	*0.33*	
07 41 13 00-0037	SF	Structural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	14.26	3.05
		For Steep Roof, Over 6 To 12, Add	*1.82*	
		For Panels <16" Wide, Add	*1.84*	
		For 140 MPH Wind Load, Add	*0.77*	
		For Up To 1,500, Add	*3.57*	
		For >1,500 To 5,000, Add	*2.14*	
		For >5,000 To 10,000, Add	*0.36*	

07 41 13 00-0038 Accessories For Galvanized Steel Standing Seam Roofing *(07 41 13 00-0030)*

07 41 13 00-0039	LF	Ridge Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing	29.63	2.99
		For Steep Roof, Over 6 To 12, Add	*3.62*	
		For 140 MPH Wind Load, Add	*1.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0040	LF	9" To 12" Girth, Eave Or Gable Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing	18.46	2.07
		For Steep Roof, Over 6 To 12, Add	*2.41*	
		For 140 MPH Wind Load, Add	*1.01*	
07 41 13 00-0041	LF	Valley Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing	36.53	2.99
		For Steep Roof, Over 6 To 12, Add	*3.62*	
		For 140 MPH Wind Load, Add	*1.69*	
07 41 13 00-0042	LF	Hip Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing	30.25	2.99
		For Steep Roof, Over 6 To 12, Add	*3.62*	
		For 140 MPH Wind Load, Add	*1.57*	

07 41 13 00-0043 Aluminum Standing Seam Concealed Fastener Roofing *(07 41 13 00-0029)*

Note: Factory paint finish is Kynar 500®, Hylar 5000® or equal polyvinylidene fluoride (PVDF) finish.

07 41 13 00-0044 Aluminum Standing Seam Concealed Fastener Roofing *(07 41 13 00-0043)*

07 41 13 00-0045	SF	Architectural 0.032" Aluminum Standing Seam Concealed Fastener Roofing	13.84	3.05
		For Steep Roof, Over 6 To 12, Add	*1.82*	
		For 140 MPH Wind Load, Add	*0.76*	
		For Up To 1,500, Add	*3.46*	
		For Panels < 16" Wide, Add	*1.82*	
		For Up To 5000, Add	*0.76*	
		For > 5000 To 10000, Add	*0.35*	
07 41 13 00-0046	SF	Architectural 0.040" Aluminum Standing Seam Concealed Fastener Roofing	14.42	3.05
		For Steep Roof, Over 6 To 12, Add	*1.82*	
		For 140 MPH Wind Load, Add	*0.77*	
		For Up To 1,500, Add	*3.61*	
		For Panels < 16" Wide, Add	*1.85*	
		For Up To 5000, Add	*0.77*	
		For > 5000 To 10000, Add	*0.36*	
07 41 13 00-0047	SF	Architectural/Structural Or Structural 0.032" Aluminum Standing Seam Concealed Fastener Roofing	13.51	3.05
		For Steep Roof, Over 6 To 12, Add	*1.82*	
		For 140 MPH Wind Load, Add	*0.76*	
		For Up To 1,500, Add	*3.38*	
		For Panels < 16" Wide, Add	*1.80*	
		For Up To 5000, Add	*0.76*	
		For > 5000 To 10000, Add	*0.34*	
07 41 13 00-0048	SF	Architectural/Structural Or Structural 0.040" Aluminum Standing Seam Concealed Fastener Roofing	14.58	3.05
		For Steep Roof, Over 6 To 12, Add	*1.82*	
		For 140 MPH Wind Load, Add	*0.78*	
		For Up To 1,500, Add	*3.65*	
		For Panels < 16" Wide, Add	*1.85*	
		For Up To 5000, Add	*0.78*	
		For > 5000 To 10000, Add	*0.36*	

07 41 13 00-0049 Accessories For Aluminum Standing Seam Roofing *(07 41 13 00-0043)*

07 41 13 00-0050	LF	Ridge Flashing For Aluminum Standing Seam Concealed Fastener Roofing	33.86	2.99
		For Steep Roof, Over 6 To 12, Add	*3.62*	
		For 140 MPH Wind Load, Add	*1.64*	
07 41 13 00-0051	LF	9" To 12" Girth, Eave Or Gable Flashing For Aluminum Standing Seam Concealed Fastener Roofing	20.90	2.07
		For Steep Roof, Over 6 To 12, Add	*2.41*	
		For 140 MPH Wind Load, Add	*1.06*	
07 41 13 00-0052	LF	Valley Flashing For Aluminum Standing Seam Concealed Fastener Roofing	42.49	2.99
		For Steep Roof, Over 6 To 12, Add	*3.62*	
		For 140 MPH Wind Load, Add	*1.81*	
07 41 13 00-0053	LF	Hip Flashing For Aluminum Standing Seam Concealed Fastener Roofing	34.65	2.99
		For Steep Roof, Over 6 To 12, Add	*3.62*	
		For 140 MPH Wind Load, Add	*1.66*	

07 41 13 00-0054 Stainless Steel Standing Seam Concealed Fastener Roofing *(07 41 13 00-0029)*

07 41 13 00-0055 Stainless Steel Standing Seam Concealed Fastener Roofing *(07 41 13 00-0054)*

07 41 13 00-0056	SF	Architectural 24 Gauge T304 Stainless Steel Standing Seam Concealed Fastener Roofing	25.88	3.65
		For Steep Roof, Over 6 To 12, Add	*2.74*	
		For 140 MPH Wind Load, Add	*1.25*	
		For Up To 1,500, Add	*6.47*	
		For Up To 5000, Add	*2.59*	
		For > 5000 To 10000, Add	*0.65*	
		For Panels < 16" Wide, Add	*2.98*	
07 41 13 00-0057	SF	Architectural 22 Gauge T304 Stainless Steel Standing Seam Concealed Fastener Roofing	29.45	3.65
		For Steep Roof, Over 6 To 12, Add	*2.74*	
		For 140 MPH Wind Load, Add	*1.32*	
		For Up To 1,500, Add	*7.36*	
		For Up To 5000, Add	*2.95*	
		For > 5000 To 10000, Add	*0.74*	
		For Panels < 16" Wide, Add	*3.16*	
07 41 13 00-0058	SF	Architectural 24 Gauge T316 Stainless Steel Standing Seam Concealed Fastener Roofing	33.67	3.65
		For Steep Roof, Over 6 To 12, Add	*2.74*	
		For 140 MPH Wind Load, Add	*1.40*	
		For Up To 1,500, Add	*8.42*	
		For Up To 5000, Add	*3.37*	
		For > 5000 To 10000, Add	*0.84*	
		For Panels < 16" Wide, Add	*3.37*	

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			MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0059	SF		Architectural 22 Gauge T316 Stainless Steel Standing Seam Concealed Fastener Roofing	39.09	3.65
			For Steep Roof, Over 6 To 12, Add	*2.74*	
			For 140 MPH Wind Load, Add	*1.51*	
			For Up To 1,500, Add	*9.77*	
			For Up To 5000, Add	*3.91*	
			For > 5000 To 10000, Add	*0.98*	
			For Panels < 16" Wide, Add	*3.64*	

07 41 13 00-0060 Accessories For Stainless Steel Standing Seam Concealed Fastener Roofing *(07 41 13 00-0054)*

07 41 13 00-0061	LF		Ridge Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing	78.74	3.33
			For Steep Roof, Over 6 To 12, Add	*4.00*	
			For 140 MPH Wind Load, Add	*2.64*	
07 41 13 00-0062	LF		9" To 12" Girth, Eave Or Gable Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing	42.59	2.18
			For Steep Roof, Over 6 To 12, Add	*2.66*	
			For 140 MPH Wind Load, Add	*1.56*	
07 41 13 00-0063	LF		Valley Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing	108.58	3.33
			For Steep Roof, Over 6 To 12, Add	*3.96*	
			For 140 MPH Wind Load, Add	*3.23*	
07 41 13 00-0064	LF		Hip Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing	81.11	3.33
			For Steep Roof, Over 6 To 12, Add	*4.00*	
			For 140 MPH Wind Load, Add	*2.69*	

07 41 13 00-0065 Metal Roof Surfacing *(07 41 13)*

07 41 13 00-0066	SF		Acrylic, Metal Roof Primer, One Coat	0.81	
			For Steep Roof, Over 7 To 12, Add	*0.17*	
07 41 13 00-0067	SF		Acrylic Elastomeric, Surface Or Base Coating For Metal Roofing, One Coat Note: 55% solids by volume.	1.06	
			For Steep Roof, Over 7 To 12, Add	*0.17*	

07 41 33 Plastic Roof Panels *(07 41)*

07 41 33 00-0001 Polyvinyl Chloride (PVC) Roofing Panels *(07 41 33)*

07 41 33 00-0002 Polyvinyl Chloride (PVC) Roofing Panels *(07 41 33 00-0001)*

07 41 33 00-0003	SF		Solid Polyvinyl Chloride (PVC) Roofing Panels, 8" Wide	7.45	2.59
07 41 33 00-0004	SF		Solid Polyvinyl Chloride (PVC) Roofing Panels, 10" Wide	7.09	2.34
07 41 33 00-0005	SF		Solid Polyvinyl Chloride (PVC) Roofing Panels, Double 8" Wide	7.70	2.59
07 41 33 00-0006	SF		Solid Polyvinyl Chloride (PVC) Roofing Panels, Double 10" Wide	7.30	2.34

07 41 33 00-0007 Polyvinyl Chloride (PVC) Roofing Accessories *(07 41 33 00-0001)*

07 41 33 00-0008	LF		1" "J" Channel, Starter Strip Trim	4.61	1.95
07 41 33 00-0009	LF		3-1/2" "J" Channel, Starter Strip Trim	6.51	1.95
07 41 33 00-0010	LF		Outside Corner Post, 7/8" Pocket	7.06	1.95
07 41 33 00-0011	LF		Inside Corner Post, 7/8" Pocket	5.58	1.95

07 41 33 00-0012 Fiberglass Roofing Panel *(07 41 33)*

07 41 33 00-0013 Corrugated Panels *(07 41 33 00-0012)*

07 41 33 00-0014	SF		8 Ounce Corrugated Fiberglass Panel	7.92	2.08
07 41 33 00-0015	SF		12 Ounce Corrugated Fiberglass Panel	9.14	2.08

07 42 Wall Panels *(07 40)*

07 42 13 Metal Wall Panels *(07 42)*

07 42 13 19 Insulated Metal Wall Panels *(07 42 13)*

07 42 13 19-0001 Insulated Panels For Sash/Window Replacement *(07 42 13 19)*

Note: Porcelain or polymer finish on aluminum panel with polystyrene core.

07 42 13 19-0002	SF		1" Insulated Panel For Sash Or Window Replacement	39.16	4.41
			For Non-Insulated Panels, Deduct	*-7.57*	
07 42 13 19-0003	SF		1-1/4" Insulated Panel For Sash Or Window Replacement	42.19	4.96
			For Non-Insulated Panels, Deduct	*-8.09*	
07 42 13 19-0004	SF		1-3/4" Insulated Panel For Sash Or Window Replacement	45.04	5.52
			For Non-Insulated Panels, Deduct	*-8.61*	
07 42 13 19-0005	SF		2-1/4" Insulated Panel For Sash Or Window Replacement	48.02	5.74
			For Non-Insulated Panels, Deduct	*-9.13*	
07 42 13 19-0006	SF		3-1/4" Insulated Panel For Sash Or Window Replacement	54.97	6.29
			For Non-Insulated Panels, Deduct	*-10.61*	
07 42 13 19-0007	SF		4-1/4" Insulated Panel For Sash Or Window Replacement	64.70	6.96
			For Non-Insulated Panels, Deduct	*-12.73*	

07 42 13 23 Metal Composite Material Wall Panels *(07 42 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 42 13 23-0001		24 Gauge, Galvanized Steel Insulated Tongue And Groove Metal Siding Panels *(07 42 13 23)*		
		Note: G-90 galvanized steel, 24 gauge exterior face and 24 gauge interior liner. Galvalume® AZ-55 coating designation with texture. Non-CFC polyurethane foam core. Standard color on exterior and interior panels. CF Mesa Profile wall panels as manufactured by Metl-Span Corporation.		
07 42 13 23-0002	SF	2" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels	23.45	2.64
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
07 42 13 23-0003	SF	2-1/2" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels	26.28	2.99
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
07 42 13 23-0004	SF	3" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels	28.65	3.39
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
07 42 13 23-0005	SF	4" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels	31.86	4.48
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
07 42 63		**Fabricated Wall Panel Assemblies** *(07 42)*		
07 42 63 00-0001		Insulated Freezer And Chiller Panels *(07 42 63)*		
		Note: Excludes suspension system for ceiling support.		
07 42 63 00-0002		Polyurethane Sandwich Panel *(07 42 63 00-0001)*		
		Note: With 22 gauge galvanized sheet metal face excludes painting.		
07 42 63 00-0003	SF	2" 22 Gauge Freezer Panel Sheet Metal Both Faces	28.25	1.83
07 42 63 00-0004	SF	3" 22 Gauge Freezer Panel Sheet Metal Both Faces	30.01	1.83
07 42 63 00-0005	SF	4" 22 Gauge Freezer Panel Sheet Metal Both Faces	35.97	1.83
07 42 63 00-0006	SF	5" 22 Gauge Freezer Panel Sheet Metal Both Faces	39.02	1.95
07 42 63 00-0007	SF	6" 22 Gauge Freezer Panel Sheet Metal Both Faces	41.48	1.95
07 42 63 00-0008	SF	2" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	25.38	1.51
07 42 63 00-0009	SF	3" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	27.73	1.51
07 42 63 00-0010	SF	4" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	33.66	1.62
07 42 63 00-0011	SF	5" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	32.58	1.62
07 42 63 00-0012	SF	6" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	38.54	1.62
07 42 63 00-0013		Polyurethane Sandwich Panel *(07 42 63 00-0001)*		
		Note: With .040 aluminum baked enamel finish.		
07 42 63 00-0014	SF	2" Freezer Panel 0.040" Aluminum Finish Both Faces	25.03	1.83
07 42 63 00-0015	SF	3" Freezer Panel 0.040" Aluminum Finish Both Faces	26.97	1.83
07 42 63 00-0016	SF	4" Freezer Panel 0.040" Aluminum Finish Both Faces	31.93	1.83
07 42 63 00-0017	SF	5" Freezer Panel 0.040" Aluminum Finish Both Faces	34.96	1.95
07 42 63 00-0018	SF	6" Freezer Panel 0.040" Aluminum Finish Both Faces	37.03	1.95
07 42 63 00-0019	SF	2" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	22.56	1.51
07 42 63 00-0020	SF	3" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	24.51	1.51
07 42 63 00-0021	SF	4" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	26.51	1.62
07 42 63 00-0022	SF	5" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	31.47	1.62
07 42 63 00-0023	SF	6" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	34.48	1.62
07 42 93		**Soffit Panels** *(07 42)*		
07 42 93 00-0001		Aluminum Soffit And Fascia *(07 42 93)*		
		Note: Excludes J-channel.		
07 42 93 00-0002	LF	6" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	4.66	1.55
		For 0.015" Thick, Deduct	*-0.11*	
07 42 93 00-0003	LF	10" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	5.85	1.63
		For 0.015" Thick, Deduct	*-0.17*	
07 42 93 00-0004	LF	1' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	6.45	1.67
		For 0.015" Thick, Deduct	*-0.21*	
07 42 93 00-0005	LF	1'-6" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	8.18	1.76
		For 0.015" Thick, Deduct	*-0.34*	
07 42 93 00-0006	LF	2' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	10.08	1.92
		For 0.015" Thick, Deduct	*-0.45*	
07 42 93 00-0007	LF	3' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	13.57	2.13
		For 0.015" Thick, Deduct	*-0.68*	
07 42 93 00-0008	LF	4' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	17.11	2.34
		For 0.015" Thick, Deduct	*-0.89*	
07 42 93 00-0009	LF	5' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	20.69	2.57
		For 0.015" Thick, Deduct	*-1.12*	
07 42 93 00-0010	LF	4" Exposure, 0.024" Thick, Aluminum Fascia	5.57	1.52
07 42 93 00-0011	LF	6" Exposure, 0.024" Thick, Aluminum Fascia	6.12	1.55
07 42 93 00-0012	LF	8" Exposure, 0.024" Thick, Aluminum Fascia	7.26	1.59
07 42 93 00-0013	LF	10" Exposure, 0.024" Thick, Aluminum Fascia	8.48	1.63

07 46 Siding *(07 40)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 16		**Aluminum Siding** *(07 46)*		
		Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.		
07 46 16 00-0001		Aluminum Coil Stock Cladding *(07 46 16)*		
		Note: Per SF of board, includes overlappage.		
07 46 16 00-0002	SF	0.016" Thick, Aluminum Clad Siding	12.42	3.95
07 46 16 00-0003	SF	0.019" Thick, Aluminum Clad Siding	12.59	3.95
07 46 16 00-0004	SF	0.024" Thick, Aluminum Clad Siding	12.88	3.95
07 46 16 00-0005		Aluminum Siding Panels *(07 46 16)*		
07 46 16 00-0006		Corrugated Aluminum Siding Panels *(07 46 16 00-0005)*		
		Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.		
07 46 16 00-0007	SF	0.019", Painted Finish, Corrugated Aluminum Siding Panel	9.20	2.30
07 46 16 00-0008	SF	0.021", Painted Finish, Corrugated Aluminum Siding Panel	9.61	2.30
07 46 16 00-0009	SF	0.024", Painted Finish, Corrugated Aluminum Siding Panel	10.89	2.30
07 46 16 00-0010	SF	0.032", Painted Finish, Corrugated Aluminum Siding Panel	13.40	2.30
07 46 16 00-0011		V- Beam Aluminum Siding Panels *(07 46 16 00-0005)*		
		Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.		
07 46 16 00-0012	SF	0.032", Painted Finish, V- Beam Aluminum Siding Panel	13.30	2.30
07 46 16 00-0013	SF	0.040", Painted Finish, V- Beam Aluminum Siding Panel	14.98	2.30
07 46 16 00-0014	SF	0.050", Painted Finish, V- Beam Aluminum Siding Panel	18.97	2.30
07 46 16 00-0015		Box Ribbed Aluminum Siding Panels *(07 46 16 00-0005)*		
		Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.		
07 46 16 00-0016	SF	0.032", Painted Finish, Box Ribbed Aluminum Siding Panel	14.04	2.30
07 46 16 00-0017	SF	0.040", Painted Finish, Box Ribbed Aluminum Siding Panel	15.66	2.30
07 46 16 00-0018	SF	0.050", Painted Finish, Box Ribbed Aluminum Siding Panel	16.66	2.30
07 46 16 00-0019		Aluminum Siding Accessories *(07 46 16)*		
07 46 16 00-0020	LF	3/8" Pocket, Aluminum J-Channel	3.58	1.44
07 46 16 00-0021	LF	1/2" Pocket, Aluminum J-Channel	3.58	1.44
07 46 16 00-0022	LF	3/4" Pocket, Aluminum J-Channel	4.29	1.44
07 46 16 00-0023	LF	3/8" Pocket, Aluminum F-Channel	4.00	1.44
07 46 16 00-0024	LF	1/2" Pocket, Aluminum F-Channel	4.00	1.44
07 46 19		**Steel Siding** *(07 46)*		
		Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.		
07 46 19 00-0001		Steel Siding Panels *(07 46 19)*		
07 46 19 00-0002		Corrugated Steel Siding Panels *(07 46 19 00-0001)*		
		Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.		
07 46 19 00-0003	SF	20 Gauge, Painted Finish, Corrugated Steel Siding Panel	13.25	2.30
		For Galvanized Instead Of Painted Steel, Add	*2.17*	
07 46 19 00-0004	SF	22 Gauge, Painted Finish, Corrugated Steel Siding Panel	12.14	2.30
		For Galvanized Instead Of Painted Steel, Add	*1.89*	
07 46 19 00-0005	SF	24 Gauge, Painted Finish, Corrugated Steel Siding Panel	11.86	2.30
		For Galvanized Instead Of Painted Steel, Add	*1.82*	
07 46 19 00-0006	SF	26 Gauge, Painted Finish, Corrugated Steel Siding Panel	8.56	2.30
		For Galvanized Instead Of Painted Steel, Add	*0.99*	
07 46 19 00-0007	SF	28 Gauge, Painted Finish, Corrugated Steel Siding Panel	8.33	2.30
		For Galvanized Instead Of Painted Steel, Add	*0.94*	
07 46 19 00-0008	SF	30 Gauge, Painted Finish, Corrugated Steel Siding Panel	8.17	2.30
		For Galvanized Instead Of Painted Steel, Add	*0.90*	
07 46 19 00-0009		Box Ribbed Steel Siding Panels *(07 46 19 00-0001)*		
		Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.		
07 46 19 00-0010	SF	20 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	12.42	2.30
		For Galvanized Instead Of Painted Steel, Add	*1.96*	
07 46 19 00-0011	SF	22 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	11.91	2.30
		For Galvanized Instead Of Painted Steel, Add	*1.83*	
07 46 19 00-0012	SF	24 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	11.58	2.30
		For Galvanized Instead Of Painted Steel, Add	*1.75*	
07 46 19 00-0013	SF	26 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	11.02	2.30
		For Galvanized Instead Of Painted Steel, Add	*1.61*	
07 46 19 00-0014	SF	28 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	9.82	2.30
		For Galvanized Instead Of Painted Steel, Add	*1.31*	
07 46 19 00-0015		Clapboard Steel Siding Panels *(07 46 19 00-0001)*		
		Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.		
07 46 19 00-0016	SF	29 Gauge, Painted Finish, Clapboard Steel Siding Panel	9.44	1.15
07 46 23		**Wood Siding** *(07 46)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
		Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.		
07 46 23 00-0001		Wood Lap Siding *(07 46 23)*		
07 46 23 00-0002	LF	8" Wide Rough Sawn Cedar Lap Siding	4.21	1.60
07 46 23 00-0003	LF	10" Wide Rough Sawn Cedar Lap Siding	4.76	1.71
07 46 23 00-0004	LF	12" Wide Rough Sawn Cedar Lap Siding	5.33	1.82
07 46 23 00-0005	LF	6" To 8" Wide Southern Yellow Pine Lap Siding, D Grade	4.51	1.60
07 46 23 00-0006	LF	6" To 8" Wide Spruce Lap Siding, #2 Or Better	5.03	1.60
07 46 23 00-0007	LF	6" To 8" Wide Western Red Cedar, B Grade Lap Siding	6.14	1.60
07 46 23 00-0008	LF	6" To 8" Wide Western Red Cedar, A Grade Lap Siding	6.57	1.60
07 46 23 00-0009	LF	6" To 8" Wide Clear Heart Redwood Lap Siding	5.95	1.60
07 46 23 00-0010	LF	1" x 8" Cedar Round Or Flat Front Siding, Log Cabin	4.18	1.71
07 46 23 00-0011	LF	1" x 8" Cedar Beveled Siding, Channel, Rustic	4.18	1.71
07 46 23 00-0012		Tongue And Groove Siding *(07 46 23)*		
07 46 23 00-0013	SF	1" x 6" Tongue And Groove Southern Yellow Pine Siding	4.21	1.60
07 46 23 00-0014	SF	1" x 8" Tongue And Groove Southern Yellow Pine Siding	4.67	1.60
07 46 23 00-0015	SF	1" x 6" 105 Southern Yellow Pine Siding	4.32	1.60
07 46 23 00-0016	SF	1" x 8" 105 Southern Yellow Pine Siding	4.94	1.60
07 46 29		**Plywood Siding** *(07 46)*		
		Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.		
07 46 29 00-0001		T-111 Siding *(07 46 29)*		
07 46 29 00-0002	SF	5/8" T-111, Fine Grade Siding, Paint Ready Applied To Blackboard / Stud	3.02	0.78
		For Pressure Treated, Add	*0.18*	
07 46 33		**Plastic Siding** *(07 46)*		
		Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.		
07 46 33 00-0001		Vinyl Siding *(07 46 33)*		
		Note: Includes standard manufacturer's colors.		
07 46 33 00-0002		Vinyl Siding Panels *(07 46 33 00-0001)*		
		Note: Excludes J-channels, starter strips and trim.		
07 46 33 00-0003		Horizontal Vinyl Siding Panels *(07 46 33 00-0002)*		
		Note: Includes single, double or triple profiles. Includes traditional clapboard or dutch lap styles.		
07 46 33 00-0004	SF	7" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel	5.09	1.89
		For 0.040" Thick, Deduct	*-0.19*	
		For 0.042" Thick, Deduct	*-0.08*	
		For 0.046" Thick, Add	*0.94*	
		For Manufacturer's Custom Colors, Add	*0.07*	
07 46 33 00-0005	SF	8" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel	4.87	1.78
		For 0.040" Thick, Deduct	*-0.19*	
		For 0.042" Thick, Deduct	*-0.08*	
		For 0.046" Thick, Add	*0.94*	
		For Manufacturer's Custom Colors, Add	*0.07*	
07 46 33 00-0006	SF	9" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel	4.71	1.70
		For 0.040" Thick, Deduct	*-0.19*	
		For 0.042" Thick, Deduct	*-0.08*	
		For 0.046" Thick, Add	*0.94*	
		For Manufacturer's Custom Colors, Add	*0.07*	
07 46 33 00-0007	SF	10" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel	4.53	1.62
		For 0.040" Thick, Deduct	*-0.19*	
		For 0.042" Thick, Deduct	*-0.08*	
		For 0.046" Thick, Add	*0.94*	
		For Manufacturer's Custom Colors, Add	*0.07*	
07 46 33 00-0008	SF	12" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel	4.31	1.51
		For 0.040" Thick, Deduct	*-0.19*	
		For 0.042" Thick, Deduct	*-0.08*	
		For 0.046" Thick, Add	*0.94*	
		For Manufacturer's Custom Colors, Add	*0.07*	
07 46 33 00-0009		Vertical Vinyl Siding Panels *(07 46 33 00-0002)*		
07 46 33 00-0010	SF	7" Exposure, 0.048" Thick, Board And Batten, Vinyl Siding Panel	6.11	1.89
		For Manufacturer's Custom Colors, Add	*0.12*	
07 46 33 00-0011		Vinyl Siding Accessories *(07 46 33 00-0001)*		
07 46 33 00-0012	LF	3/4" Pocket, Outside Corner Post For Vinyl Siding	6.23	1.44
		For Manufacturer's Custom Colors, Add	*0.17*	
07 46 33 00-0013	LF	1-1/8" Pocket, Outside Corner Post For Vinyl Siding	11.34	1.44
		For Manufacturer's Custom Colors, Add	*0.42*	
07 46 33 00-0014	LF	3/4" Pocket, Inside Corner Post For Vinyl Siding	4.95	1.44
		For Manufacturer's Custom Colors, Add	*0.10*	
07 46 33 00-0015	LF	1-1/8" Pocket, Inside Corner Post For Vinyl Siding	6.03	1.44
		For Manufacturer's Custom Colors, Add	*0.16*	
07 46 33 00-0016	LF	3/8" Pocket, J-Channel For Vinyl Siding	3.69	1.44
		For Manufacturer's Custom Colors, Add	*0.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 33 00-0017	LF	1/2" Pocket, J-Channel For Vinyl Siding	3.45	1.44
		For Manufacturer's Custom Colors, Add	*0.04*	
07 46 33 00-0018	LF	5/8" Pocket, J-Channel For Vinyl Siding	3.40	1.44
		For Manufacturer's Custom Colors, Add	*0.04*	
07 46 33 00-0019	LF	3/4" Pocket, J-Channel For Vinyl Siding	3.56	1.44
		For Manufacturer's Custom Colors, Add	*0.04*	
07 46 33 00-0020	LF	1" Pocket, J-Channel For Vinyl Siding	4.21	1.44
		For Manufacturer's Custom Colors, Add	*0.07*	
07 46 33 00-0021	LF	1-1/4" Pocket, J-Channel For Vinyl Siding	4.58	1.44
		For Manufacturer's Custom Colors, Add	*0.08*	
07 46 33 00-0022	LF	2-1/2" Pocket, J-Channel For Vinyl Siding	5.14	1.44
		For Manufacturer's Custom Colors, Add	*0.08*	
07 46 33 00-0023	LF	1/2" Pocket, F-Channel For Vinyl Siding	3.50	1.44
		For Manufacturer's Custom Colors, Add	*0.06*	
07 46 33 00-0024	LF	3/4" Pocket, 3-1/2" Lineal Trim For Vinyl Siding	7.95	2.00
		For Manufacturer's Custom Colors, Add	*0.20*	
07 46 33 00-0025	LF	3/4" Pocket, 5" Lineal Trim For Vinyl Siding	8.30	2.00
		For Manufacturer's Custom Colors, Add	*0.21*	
07 46 33 00-0026	LF	1-1/8" Pocket, 3-1/2" Lineal Trim For Vinyl Siding	9.10	2.00
		For Manufacturer's Custom Colors, Add	*0.25*	
07 46 33 00-0027	LF	3/8" Pocket, 1-7/8" H-Mold For Vinyl Siding	4.74	1.44
		For Manufacturer's Custom Colors, Add	*0.09*	
07 46 33 00-0028	LF	Vinyl Starter Strip For Vinyl Siding	5.87	1.44
		For Manufacturer's Custom Colors, Add	*0.15*	
07 46 33 00-0029	LF	Undersill Trim For Vinyl Siding	5.06	1.44
		For Manufacturer's Custom Colors, Add	*0.11*	
07 46 33 00-0030		**Vinyl Soffit And Fascia** *(07 46 33 00-0001)*		
		Note: Excludes J-channel.		
07 46 33 00-0031	LF	6" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	4.30	1.55
		For 0.038" Thick, Deduct	*-0.55*	
		For 0.040" Thick, Deduct	*-0.46*	
		For Manufacturer's Custom Colors, Add	*0.06*	
07 46 33 00-0032	LF	10" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	5.27	1.63
		For 0.038" Thick, Deduct	*-0.92*	
		For 0.040" Thick, Deduct	*-0.77*	
		For Manufacturer's Custom Colors, Add	*0.10*	
07 46 33 00-0033	LF	1' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	5.75	1.67
		For 0.038" Thick, Deduct	*-1.09*	
		For 0.040" Thick, Deduct	*-0.91*	
		For Manufacturer's Custom Colors, Add	*0.12*	
07 46 33 00-0034	LF	1'-6" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	7.12	1.76
		For 0.038" Thick, Deduct	*-1.66*	
		For 0.040" Thick, Deduct	*-1.39*	
		For Manufacturer's Custom Colors, Add	*0.18*	
07 46 33 00-0035	LF	2' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	8.68	1.92
		For 0.038" Thick, Deduct	*-2.21*	
		For 0.040" Thick, Deduct	*-1.84*	
		For Manufacturer's Custom Colors, Add	*0.24*	
07 46 33 00-0036	LF	3' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	11.46	2.13
		For 0.038" Thick, Deduct	*-3.32*	
		For 0.040" Thick, Deduct	*-2.78*	
		For Manufacturer's Custom Colors, Add	*0.36*	
07 46 33 00-0037	LF	4' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	14.29	2.34
		For 0.038" Thick, Deduct	*-4.41*	
		For 0.040" Thick, Deduct	*-3.71*	
		For Manufacturer's Custom Colors, Add	*0.48*	
07 46 33 00-0038	LF	5' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	17.17	2.57
		For 0.038" Thick, Deduct	*-5.53*	
		For 0.040" Thick, Deduct	*-4.64*	
		For Manufacturer's Custom Colors, Add	*0.60*	
07 46 33 00-0039	LF	4" Exposure, Vinyl Fascia	4.48	1.52
		For Manufacturer's Custom Colors, Add	*0.07*	
07 46 33 00-0040	LF	6" Exposure, Vinyl Fascia	4.97	1.55
		For Manufacturer's Custom Colors, Add	*0.09*	
07 46 33 00-0041	LF	8" Exposure, Vinyl Fascia	4.92	1.59
		For Manufacturer's Custom Colors, Add	*0.09*	
07 46 33 00-0042	LF	10" Exposure, Vinyl Fascia	5.62	1.63
		For Manufacturer's Custom Colors, Add	*0.12*	
07 46 33 00-0043		**Fiberglass Siding** *(07 46 33)*		
07 46 33 00-0044		**Corrugated Panels** *(07 46 33 00-0043)*		
07 46 33 00-0045	SF	6 Ounce Corrugated Fiberglass Panels	7.25	2.23
07 46 33 00-0046	SF	8 Ounce Corrugated Fiberglass Panels	7.76	2.00
07 46 33 00-0047	SF	12 Ounce Corrugated Fiberglass Panels	8.69	2.00
07 46 33 00-0048		**Flat Panels** *(07 46 33 00-0043)*		
07 46 33 00-0049	SF	6 Ounce Flat Fiberglass Panels	6.92	2.00
07 46 33 00-0050	SF	8 Ounce Flat Fiberglass Panels	7.76	2.00

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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 46		**Fiber-Cement Siding** *(07 46)*		
		Note: Smooth or patterns. Includes sealer and primer.		
07 46 46 00-0001		5/16" Thick, Fiber Cement Lap Siding *(07 46 46)*		
07 46 46 00-0002	SF	5-1/4" Board with 4" Exposure, 5/16" Thick, Fiber Cement Lap Siding	6.83	2.34
07 46 46 00-0003	SF	6-1/4" Board with 5" Exposure, 5/16" Thick, Fiber Cement Lap Siding	6.50	2.23
07 46 46 00-0004	SF	7-1/4" Board with 6" Exposure, 5/16" Thick, Fiber Cement Lap Siding	6.36	2.17
07 46 46 00-0005	SF	8-1/4" Board with 7" Exposure, 5/16" Thick, Fiber Cement Lap Siding	6.21	2.12
07 46 46 00-0006	SF	9-1/2" Board with 8" Exposure, 5/16" Thick, Fiber Cement Lap Siding	5.95	2.00
07 46 46 00-0007	SF	12" Board with 10-3/4" Exposure, 5/16" Thick, Fiber Cement Lap Siding	5.67	1.89
07 46 46 00-0008	LF	Starter Strip, Fiber Cement Lap Siding	1.49	0.56
07 46 46 00-0009		Fiber Cement Shingle Siding *(07 46 46)*		
07 46 46 00-0010	SF	Fiber Cement Shingle Siding	10.73	2.05
07 46 46 00-0011		Fiber Cement Vertical Panel Siding *(07 46 46)*		
07 46 46 00-0012	SF	Fiber Cement Vertical Panel Siding	5.04	1.67
07 46 46 00-0013		Fiber Cement Trim Boards *(07 46 46)*		
07 46 46 00-0014		7/16" Thick, Fiber Cement Trim Boards *(07 46 46 00-0013)*		
07 46 46 00-0015	LF	4" Wide, 7/16" Thick, Fiber Cement Trim Board	3.28	1.11
07 46 46 00-0016	LF	6" Wide, 7/16" Thick, Fiber Cement Trim Board	4.20	1.22
07 46 46 00-0017	LF	8" Wide, 7/16" Thick, Fiber Cement Trim Board	5.08	1.33
07 46 46 00-0018	LF	12" Wide, 7/16" Thick, Fiber Cement Trim Board	6.70	1.56
07 46 46 00-0019		3/4" Thick Fiber Cement Trim Boards *(07 46 46 00-0013)*		
07 46 46 00-0020	LF	4" Wide, 3/4" Thick, Fiber Cement Trim Board	3.46	1.11
07 46 46 00-0021	LF	6" Wide, 3/4" Thick, Fiber Cement Trim Board	4.46	1.22
07 46 46 00-0022	LF	8" Wide, 3/4" Thick, Fiber Cement Trim Board	5.52	1.33
07 46 46 00-0023	LF	12" Wide, 3/4" Thick, Fiber Cement Trim Board	5.74	1.56
07 46 46 00-0024		1" Thick Fiber Cement Trim Boards *(07 46 46 00-0013)*		
07 46 46 00-0025	LF	4" Wide, 1" Thick, Fiber Cement Trim Board	3.67	1.11
07 46 46 00-0026	LF	6" Wide, 1" Thick, Fiber Cement Trim Board	4.86	1.22
07 46 46 00-0027	LF	8" Wide, 1" Thick, Fiber Cement Trim Board	6.09	1.33
07 46 46 00-0028	LF	12" Wide, 1" Thick, Fiber Cement Trim Board	8.15	1.56
07 46 46 00-0029		Fiber Cement Fascia Board *(07 46 46)*		
07 46 46 00-0030	LF	5/4" x 3-1/2" Fiber Cement Fascia Board	5.76	2.20
07 46 46 00-0031	LF	5/4" x 5-1/2" Fiber Cement Fascia Board	7.04	2.45
07 46 46 00-0032	LF	5/4" x 7-1/4" Fiber Cement Fascia Board	7.72	2.45
07 46 46 00-0033	LF	5/4" x 11-1/4" Fiber Cement Fascia Board	10.05	2.88
07 46 46 00-0034		Fiber Cement Soffit Boards *(07 46 46)*		
07 46 46 00-0035	SF	1/4" Thick, Non-Vented Fiber Cement Soffit	7.32	1.59
07 46 46 00-0036	SF	1/4" Thick, Vented Fiber Cement Soffit	7.86	1.59
07 46 63		**Fabricated Panel Assemblies with Siding** *(07 46)*		
07 46 63 00-0001		Metal Liner Panels *(07 46 63)*		
07 46 63 00-0002		Galvanized Metal Liner Panels *(07 46 63 00-0001)*		
07 46 63 00-0003	SF	24 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel	10.52	1.91
07 46 63 00-0004	SF	22 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel	11.59	1.91
07 46 63 00-0005	SF	20 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel	13.48	1.91
07 46 63 00-0006	SF	18 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel	13.67	1.91

07 50 Membrane Roofing *(07)*

See CSI section 07 22 16 00-0000 for insulation, 07 60 00 00-0000 for additional flashing, sheet metal and trim, 07 70 00 00-0000 for additional roof accessories.

07 51 Built-Up Bituminous Roofing *(07 50)*

07 51 13 Built-Up Asphalt Roofing *(07 51)*

07 51 13 00-0001 Built-Up Asphalt Roofing Components *(07 51 13)*

07 51 13 00-0002 Built-Up Asphalt Membrane Roofing *(07 51 13 00-0001)*

Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0067 for built-up roofing demolition.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0003		Cold Adhesive Applied, Built-Up Asphalt Membrane Roofing *(07 51 13 00-0002)*		
		Note: Includes applying cold adhesive and embedding the membrane.		
07 51 13 00-0004		Cold Adhesive Applied, Built-Up Asphalt Roofing Base, Ply And Cap Sheets *(07 51 13 00-0003)*		
07 51 13 00-0005	SQ	Type IV, Asphalt Coated Fiberglass Ply Sheet, Cold Adhesive Applied	119.01	
		For Up To 10, Add	*31.92*	
		For >10 To 20, Add	*17.99*	
		For >20 To 40, Add	*10.01*	
		For >75 To 100, Deduct	*-5.01*	
		For >100 To 200, Deduct	*-11.03*	
		For >200, Deduct	*-16.03*	
07 51 13 00-0006	SQ	Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Cold Adhesive Applied	323.37	
		For Up To 10, Add	*72.79*	
		For >10 To 20, Add	*38.43*	
		For >20 To 40, Add	*20.23*	
		For >75 To 100, Deduct	*-10.11*	
		For >100 To 200, Deduct	*-21.24*	
		For >200, Deduct	*-31.36*	
07 51 13 00-0007		Cold Adhesive Applied, Built-Up Asphalt Roofing Flashing *(07 51 13 00-0003)*		
07 51 13 00-0008	SF	Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Cold Adhesive Applied	7.85	
07 51 13 00-0009		Hot-Mopped, Built-Up Asphalt Membrane Roofing *(07 51 13 00-0002)*		
		Note: Includes mopping hot asphalt and embedding the membrane.		
07 51 13 00-0010		Hot-Mopped, Built-Up Asphalt Roofing Base, Ply And Cap Sheets *(07 51 13 00-0009)*		
07 51 13 00-0011	SQ	Type IV, Asphalt Coated Fiberglass Ply Sheet, Hot-Mopped	88.51	
		For Up To 10, Add	*25.95*	
		For >10 To 20, Add	*15.03*	
		For >20 To 40, Add	*8.55*	
		For >75 To 100, Deduct	*-4.27*	
		For >100 To 200, Deduct	*-9.58*	
		For >200, Deduct	*-13.85*	
07 51 13 00-0012	SQ	Type VI, Asphalt Coated Fiberglass Ply Sheet, Hot-Mopped	94.34	
		For Up To 10, Add	*27.11*	
		For >10 To 20, Add	*15.62*	
		For >20 To 40, Add	*8.84*	
		For >75 To 100, Deduct	*-4.42*	
		For >100 To 200, Deduct	*-9.87*	
		For >200, Deduct	*-14.29*	
07 51 13 00-0013	SQ	Fine Mineral Surfaced, Asphalt Coated Fiberglass Base Sheet, Hot-Mopped	100.96	
		For Up To 10, Add	*28.44*	
		For >10 To 20, Add	*16.28*	
		For >20 To 40, Add	*9.17*	
		For >75 To 100, Deduct	*-4.59*	
		For >100 To 200, Deduct	*-10.20*	
		For >200, Deduct	*-14.79*	
07 51 13 00-0014	SQ	Asphalt Coated Fiberglass Venting Base Sheet, Hot-Mopped	174.39	
		For Up To 10, Add	*43.12*	
		For >10 To 20, Add	*23.62*	
		For >20 To 40, Add	*12.84*	
		For >75 To 100, Deduct	*-6.42*	
		For >100 To 200, Deduct	*-13.87*	
		For >200, Deduct	*-20.29*	
07 51 13 00-0015	SQ	Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Hot-Mopped	292.87	
		For Up To 10, Add	*66.82*	
		For >10 To 20, Add	*35.47*	
		For >20 To 40, Add	*18.77*	
		For >75 To 100, Deduct	*-9.38*	
		For >100 To 200, Deduct	*-19.80*	
		For >200, Deduct	*-29.18*	
07 51 13 00-0016	SQ	Granule Surfaced, Asphalt Coated Fiberglass Cap Sheet, Hot-Mopped	223.11	
		For Up To 10, Add	*53.65*	
		For >10 To 20, Add	*29.08*	
		For >20 To 40, Add	*15.67*	
		For >75 To 100, Deduct	*-7.83*	
		For >100 To 200, Deduct	*-16.80*	
		For >200, Deduct	*-24.63*	
07 51 13 00-0017		Hot-Mopped, Built-Up Asphalt Roofing Flashing *(07 51 13 00-0009)*		
07 51 13 00-0018	SF	Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Hot-Mopped	5.07	
07 51 13 00-0019		Mechanically Fastened, Built-Up Asphalt Membrane Roofing *(07 51 13 00-0002)*		
		Note: Includes fasteners.		
07 51 13 00-0020		Mechanically Fastened, Built-Up Asphalt Roofing Base, Ply And Cap Sheets *(07 51 13 00-0019)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0021	SQ	Type VI, Asphalt Coated Fiberglass Ply Sheet, Mechanically Fastened	91.28	
		For Up To 10, Add	*22.31*	
		For >10 To 20, Add	*12.17*	
		For >20 To 40, Add	*6.59*	
		For >75 To 100, Deduct	*-3.30*	
		For >100 To 200, Deduct	*-7.10*	
		For >200, Deduct	*-10.40*	
07 51 13 00-0022	SQ	Asphalt Coated Fiberglass Venting Base Sheet, Mechanically Fastened	171.34	
		For Up To 10, Add	*38.32*	
		For >10 To 20, Add	*20.18*	
		For >20 To 40, Add	*10.60*	
		For >75 To 100, Deduct	*-5.30*	
		For >100 To 200, Deduct	*-11.10*	
		For >200, Deduct	*-16.40*	
07 51 13 00-0023	SQ	Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Mechanically Fastened	289.82	
		For Up To 10, Add	*62.02*	
		For >10 To 20, Add	*32.02*	
		For >20 To 40, Add	*16.52*	
		For >75 To 100, Deduct	*-8.26*	
		For >100 To 200, Deduct	*-17.03*	
		For >200, Deduct	*-25.29*	

07 51 13 00-0024 Mechanically Fastened, Built-Up Asphalt Roofing Flashing *(07 51 13 00-0019)*

07 51 13 00-0025	SF	Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Mechanically Fastened	6.10	

07 51 13 00-0026 Asphalt Saturated Organic Felt *(07 51 13 00-0001)*

07 51 13 00-0027 Cold Adhesive Applied, Asphalt Saturated Organic Felt *(07 51 13 00-0026)*

Note: Includes applying cold adhesive and embedding the felt.

07 51 13 00-0028	SQ	15 Lb., Asphalt Saturated Organic Base Or Ply Sheet, Cold Adhesive Applied	115.37	
		For Up To 10, Add	*31.19*	
		For >10 To 20, Add	*17.63*	
		For >20 To 40, Add	*9.83*	
		For >75 To 100, Deduct	*-4.91*	
		For >100 To 200, Deduct	*-10.84*	
		For >200, Deduct	*-15.76*	
07 51 13 00-0029	SQ	30 Lb., Asphalt Saturated Organic Base Or Ply Sheet, Cold Adhesive Applied	130.39	
		For Up To 10, Add	*34.20*	
		For >10 To 20, Add	*19.13*	
		For >20 To 40, Add	*10.58*	
		For >75 To 100, Deduct	*-5.29*	
		For >100 To 200, Deduct	*-11.59*	
		For >200, Deduct	*-16.88*	

07 51 13 00-0030 Hot-Mopped, Asphalt Saturated Organic Felt *(07 51 13 00-0026)*

Note: Includes mopping hot asphalt and embedding the felt.

07 51 13 00-0031	SQ	15 Lb., Asphalt Saturated Organic Base Or Ply Sheet, Hot-Mopped	84.87	
		For Up To 10, Add	*25.22*	
		For >10 To 20, Add	*14.67*	
		For >20 To 40, Add	*8.37*	
		For >75 To 100, Deduct	*-4.18*	
		For >100 To 200, Deduct	*-9.40*	
		For >200, Deduct	*-13.58*	
07 51 13 00-0032	SQ	30 Lb., Asphalt Saturated Organic Base Or Ply Sheet, Hot-Mopped	99.89	
		For Up To 10, Add	*28.22*	
		For >10 To 20, Add	*16.17*	
		For >20 To 40, Add	*9.12*	
		For >75 To 100, Deduct	*-4.56*	
		For >100 To 200, Deduct	*-10.15*	
		For >200, Deduct	*-14.71*	

07 51 13 00-0033 Mechanically Fastened, Asphalt Saturated Organic Felt *(07 51 13 00-0026)*

Note: Includes fasteners.

07 51 13 00-0034	SQ	15 Lb., Asphalt Saturated Organic Base Or Ply Sheet, Mechanically Fastened	42.65	
		For Up To 10, Add	*12.59*	
		For >10 To 20, Add	*7.31*	
		For >20 To 40, Add	*4.16*	
		For >75 To 100, Deduct	*-2.08*	
		For >100 To 200, Deduct	*-4.67*	
		For >200, Deduct	*-6.75*	
07 51 13 00-0035	SQ	30 Lb., Asphalt Saturated Organic Base Or Ply Sheet, Mechanically Fastened	57.67	
		For Up To 10, Add	*15.59*	
		For >10 To 20, Add	*8.81*	
		For >20 To 40, Add	*4.91*	
		For >75 To 100, Deduct	*-2.46*	
		For >100 To 200, Deduct	*-5.42*	
		For >200, Deduct	*-7.87*	

07 51 13 00-0036 Surfacing *(07 51 13 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0037	SQ	400 Lb./SQ, Gravel Roofing Ballast, Set In Hot Asphalt Flood Coat	189.47	
		For Up To 10, Add	*58.20*	
		For >10 To 20, Add	*34.17*	
		For >20 To 40, Add	*19.62*	
		For >75 To 100, Deduct	*-9.81*	
		For >100 To 200, Deduct	*-22.16*	
		For >200, Deduct	*-31.97*	
07 51 13 00-0038	SQ	400 Lb./SQ, Gravel Roofing Ballast, Set In Cold Adhesive Flood Coat	277.90	
		For Up To 10, Add	*75.88*	
		For >10 To 20, Add	*43.02*	
		For >20 To 40, Add	*24.05*	
		For >75 To 100, Deduct	*-12.02*	
		For >100 To 200, Deduct	*-26.58*	
		For >200, Deduct	*-38.61*	
07 51 13 00-0039	CY	Gravel Roofing Ballast, Spread To Desired Thickness Note: Excludes hot asphalt or cold adhesive.	200.84	
07 51 13 00-0040	SQ	Protective Polypropylene Fabric Mat, Loose Laid Note: Installed as a separator mat (under membrane), a crushed stone mat (above membrane) or as a stone separator mat in ballasted systems.	55.18	
		For Up To 10, Add	*13.72*	
		For >10 To 20, Add	*7.53*	
		For >20 To 40, Add	*4.10*	
		For >75 To 100, Deduct	*-2.05*	
		For >100 To 200, Deduct	*-4.43*	
		For >200, Deduct	*-6.48*	
07 51 13 00-0041	SQ	Clay-Stabilized, Water-Based Asphalt Emulsion With Reinforcing Fibers, Weather-Proofing Surface Coating, Price Per Coat Note: Protective coating for use over built-up, SBS and APP modified bitumen, metal, concrete and wood roofs.	133.09	
		For Up To 10, Add	*31.49*	
		For >10 To 20, Add	*16.96*	
		For >20 To 40, Add	*9.09*	
		For >75 To 100, Deduct	*-4.55*	
		For >100 To 200, Deduct	*-9.70*	
		For >200, Deduct	*-14.24*	
07 51 13 00-0042	SQ	Fibrated Aluminum, Asphalt-Based, Reflective Weather-Proofing Surface Coating, Price Per Coat Note: Protective and reflective coating for use over built-up, SBS and APP modified bitumen and metal roofs.	118.46	
		For Up To 10, Add	*28.56*	
		For >10 To 20, Add	*15.50*	
		For >20 To 40, Add	*8.36*	
		For >75 To 100, Deduct	*-4.18*	
		For >100 To 200, Deduct	*-8.97*	
		For >200, Deduct	*-13.15*	
07 51 13 00-0043	SQ	Aluminum Flakes And Reinforcing Fibers Suspended In Emulsified Asphalt, Reflective Surface Coating, Price Per Coat Note: Reflective coating for use over smooth-surfaced built-up roofs.	158.37	
		For Up To 10, Add	*36.55*	
		For >10 To 20, Add	*19.49*	
		For >20 To 40, Add	*10.35*	
		For >75 To 100, Deduct	*-5.18*	
		For >100 To 200, Deduct	*-10.96*	
		For >200, Deduct	*-16.14*	
07 51 13 00-0044	SQ	100% Acrylic Elastomeric, Reflective Surface Coating, Price Per Coat Note: Reflective coating for use over built-up, SBS and APP modified bitumen roofs. For use on smooth or granule surfaced roofing systems.	159.67	
		For Up To 10, Add	*36.81*	
		For >10 To 20, Add	*19.62*	
		For >20 To 40, Add	*10.42*	
		For >75 To 100, Deduct	*-5.21*	
		For >100 To 200, Deduct	*-11.03*	
		For >200, Deduct	*-16.24*	
		For Installation Over Granule Surfaced Asphalt Roof Systems, Add	*47.09*	
07 51 13 00-0045	SQ	100% Acrylic Elastomeric, Bleed Blocking Base Coating, Price Per Coat Note: Bleed blocking coating for use over built-up, Styrene-Butadiene-Styrene (SBS) and Atactic-Polypropylene (APP) modified bitumen roofs. For use on smooth or granule surfaced roofing systems.	165.05	
		For Up To 10, Add	*37.88*	
		For >10 To 20, Add	*20.16*	
		For >20 To 40, Add	*10.69*	
		For >75 To 100, Deduct	*-5.34*	
		For >100 To 200, Deduct	*-11.30*	
		For >200, Deduct	*-16.64*	
		For Installation Over Granule Surfaced Asphalt Roof Systems, Add	*48.86*	
07 51 13 00-0046	SF	Ceramic Coated Roofing Granules, Hand Broadcast Note: For application over liquid flashing/membranes, asphalt bleed-out areas, modified or BUR membrane repairs, etc.	2.69	
07 51 13 00-0047	SF	Energy Star, Ceramic Coated UltraWhite Roofing Granules, Hand Broadcast Note: For application over liquid flashing/membranes, asphalt bleed-out areas, modified or BUR membrane repairs, etc.	4.76	
07 51 13 00-0048	SQ	Vapor Permeable Synthetic Underlayment (GAF Deck-Armor™)	43.38	

07 51 13 00-0049 Walkway Pads *(07 51 13 00-0001)*

Note: Set in hot asphalt or cold adhesive.

07 51 13 00-0050	LF	5/16" Thick, 32" Wide, Skid Resistant, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Walkway Pad	33.30	
07 51 13 00-0051	LF	1/2" Thick, 32" Wide, Skid Resistant, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Walkway Pad	39.60	

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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0052		**Cant And Tapered Edge Strips** *(07 51 13 00-0001)*		
07 51 13 00-0053	LF	2" x 2" Perlite Cant Strip	4.84	
07 51 13 00-0054	LF	3" x 3" Perlite Cant Strip	4.98	
07 51 13 00-0055	LF	4" x 4" Perlite Cant Strip	5.67	
07 51 13 00-0056	LF	3" x 3" Pressure Treated Wood Cant Strip, Cut Diagonally	4.58	
07 51 13 00-0057	LF	4" x 4" Pressure Treated Wood Cant Strip, Cut Diagonally	4.69	
07 51 13 00-0058	LF	1/2" x 6" Perlite Tapered Edge Strip	5.42	
07 51 13 00-0059	LF	1/2" x 12" Perlite Tapered Edge Strip	6.21	
07 51 13 00-0060	LF	1" x 12" Perlite Tapered Edge Strip	6.42	
07 51 13 00-0061	LF	1" x 24" Perlite Tapered Edge Strip	7.24	
07 51 13 00-0062	LF	1-1/2" x 12" Perlite Tapered Edge Strip	7.16	
07 51 13 00-0063	LF	1-1/2" x 18" Perlite Tapered Edge Strip	8.65	
07 51 13 00-0064	LF	1-1/2" x 24" Perlite Tapered Edge Strip	9.73	
07 51 13 00-0065		**Asphalt Primer** *(07 51 13 00-0001)*		
07 51 13 00-0066	SQ	Asphalt Primer For Roofing Systems Note: Foundation coating for hot-mopped and cold applied asphalt coatings, roof cements, and asphalt based roof adhesives. For use on weathered roofing, asphalt, concrete, gypsum, masonry, block, brick and metal surfaces.	40.36	
07 51 13 00-0067		**Demolish Built-Up Roofing** *(07 51 13 00-0001)* Note: For removing any asphalt, coal tar or modified bitumen roofing system, including surfacing material down to the insulation or recovery board. Includes removal of any basic roof accessories and any sheet metals; except special existing conditions (mechanical equipment piping, electrical, ducts, etc.). See CSI section 01 74 19 00-0000 for chutes, dumpsters and hauling.		
07 51 13 00-0068	SQ	Demolish Gravel/Slag Surfaced, Built Up Roofing System		426.34
		For Up To 10, Add		*105.84*
		For >10 To 25, Add		*63.50*
07 51 13 00-0069	SQ	Demolish Cap Sheet Surfaced, Built Up Roofing System Note: Includes protective surfacing.		328.90
		For Up To 10, Add		*81.65*
		For >10 To 25, Add		*48.99*
07 51 13 00-0070		**Roofing System Warranty** *(07 51 13 00-0001)* Note: The warranty tasks below are only to be used in conjunction with the built-up bituminous and modified bituminous membrane roofing sections. The appropriate task is to be applied to the completed roofing membrane systems, not individual components. All warranties are no dollar limit to include material, equipment and labor.		
07 51 13 00-0071	EA	Up To 50 SQ, 10 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	653.66	
07 51 13 00-0072	SQ	>50 SQ, 10 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	9.34	
07 51 13 00-0073	EA	Up To 50 SQ, 15 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	747.04	
07 51 13 00-0074	SQ	>50 SQ, 15 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	14.94	
07 51 13 00-0075	EA	Up To 50 SQ, 20 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	1,027.18	
07 51 13 00-0076	SQ	>50 SQ, 20 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	20.54	
07 51 13 00-0077		**Built-Up Roofing Components (Tremco)** *(07 51 13)* Note: All tasks presented as a single layer. Adhesives are priced separately.		
07 51 13 00-0078		**Cold Applied BUR Base Plies And Ply Sheets** *(07 51 13 00-0077)*		
07 51 13 00-0079	SQ	BURmastic Composite Ply, Cold Applied BUR Component Note: Asphalt coated polyester/glass/polyester trilaminate reinforced ply sheet. Type II. 55 mils. Also used as a hot or cold applied base sheet.	150.44	
07 51 13 00-0080	SQ	BURmastic Premium Composite Ply, Cold Applied BUR Component Note: Asphalt coated polyester/glass/polyester trilaminate reinforced high strength ply sheet. Type II. 57 mil. Also used as a hot or cold applied base sheet.	182.40	
07 51 13 00-0081	SQ	BURmastic Supreme Composite Ply, Cold Applied BUR Component Note: Asphalt coated polyester/glass/polyester trilaminate reinforced high strength ply sheet. Type II. 51 mil. Also used as a hot or cold applied base sheet.	209.85	
07 51 13 00-0082	SQ	28 Lb. BURmastic Glass Ply, Cold Applied BUR Component Note: Asphalt coated fiberglass base or ply sheet. Type II.	47.79	
07 51 13 00-0083	SQ	33 Lb. BURmastic Glass Ply, Cold Applied BUR Component Note: Asphalt coated fiberglass base or ply sheet. Type II.	69.21	
07 51 13 00-0084	SQ	POWERply Modified HE Base Sheet, Hot Or Cold Applied BUR Component Note: Smooth surfaced, high elongation polyester reinforced modified bitumen base sheet. Type I, Grade S. 94 mil.	286.90	
07 51 13 00-0085	SQ	POWERply Modified Heavy-Duty Base Sheet, Hot Applied BUR Component Note: A smooth surfaced, non-woven fiberglass/scrim fiberglass bilaminate reinforced modified bitumen membrane. 120 mil.	265.41	
07 51 13 00-0086		**Hot Or Cold Applied Modified Bitumen Cap Membrane** *(07 51 13 00-0077)*		
07 51 13 00-0087	SQ	POWERply Standard Smooth Cap Membrane, Hot Or Cold Applied BUR Component Note: Fiberglass reinforced modified bitumen membrane. Type I, Grade S. 80 mils. Also used as a hot or cold applied ply.	162.64	
07 51 13 00-0088	SQ	POWERply Premium Smooth Cap Membrane, Hot Or Cold Applied BUR Component Note: Polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 90 mils. Also used as a hot or cold applied ply.	430.08	
07 51 13 00-0089	SQ	POWERply Supreme Smooth Cap Membrane, Hot Or Cold Applied BUR Component Note: Polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 98 mils. Also used as a hot or cold applied ply.	711.13	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0090	SQ	POWERply Standard Cap Membrane, Hot Or Cold Applied BUR Component Note: Granule surface, fiberglass reinforced modified bitumen cap sheet membrane. 120 mils. Black or white surface.	190.09	
07 51 13 00-0091	SQ	POWERply Standard FR Cap Membrane, Hot Or Cold Applied BUR Component Note: Fire rated, granule surfaced, fiberglass reinforced modified bitumen membrane. Type I, Grade G. 120 mils.	291.37	
07 51 13 00-0092	SQ	POWERply Premium FR Cap Membrane, Hot Or Cold Applied BUR Component Note: Fire rated, granule surfaced, polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 160 mils. Black or white surface.	705.72	
07 51 13 00-0093	SQ	POWERply Standard FR GT24W Cap Membrane, Hot Or Cold Applied BUR Component Note: Highly reflective, fire rated, granule surfaced, fiberglass reinforced modified bitumen membrane meeting California's Title 24 requirements. Type I, Grade G. 120 mils.	513.83	
07 51 13 00-0094	SQ	POWERply HE FR Cap Sheet, Hot Applied BUR Component Note: High elongation, fire rated, granule surfaced, polyester reinforced modified bitumen membrane. 160 mils.	509.04	
07 51 13 00-0095		**Self Adhesive Base Plies And Ply Sheets** *(07 51 13 00-0077)*		
07 51 13 00-0096	SQ	POWERply SA Base Sheet, Self Adhesive Roofing Note: A self adhesive, fiberglass reinforced Styrene-Butadiene-Styrene (SBS) modified bitumen base sheet/underlayment. Type 1, Grade S. 80 mils.	295.63	
07 51 13 00-0097	SQ	POWERply SA FR Membrane, Self Adhesive Roofing Note: A fire rated, granule surfaced, polyester reinforced, self adhesive Styrene-Butadiene-Styrene (SBS) modified bitumen membrane. Type I, Grade G. 130 mils.	585.94	
07 51 13 00-0098		**Flashings** *(07 51 13 00-0077)*		
07 51 13 00-0099	LF	11-1/2" Hypalon Elastomeric Flashing Note: 45 mils.	18.36	
07 51 13 00-0100	LF	19" Hypalon Elastomeric Flashing Note: 45 mils.	29.79	
07 51 13 00-0101	LF	25" Hypalon Elastomeric Flashing Note: 45 mils.	39.56	
07 51 13 00-0102	LF	38" Hypalon Elastomeric Flashing Note: 45 mils.	58.05	
07 51 13 00-0103	LF	60-1/2" Hypalon Elastomeric Flashing Note: 45 mils.	95.59	
07 51 13 00-0104	LF	12" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	14.56	
07 51 13 00-0105	LF	18" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	23.70	
07 51 13 00-0106	LF	24" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	31.58	
07 51 13 00-0107	LF	36" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	46.17	
07 51 13 00-0108	LF	60" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	77.71	
07 51 13 00-0109	LF	4" BURmesh Fabric Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	4.12	
07 51 13 00-0110	LF	6" BURmesh Fabric Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	4.30	
07 51 13 00-0111	LF	12" BURmesh Fabric Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	6.06	
07 51 13 00-0112	LF	36" BURmesh Fabric Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	15.66	
07 51 13 00-0113		**Cold Applied Adhesives** *(07 51 13 00-0077)*		
07 51 13 00-0114	SQ	BURmastic Inter-Ply Cold Applied Adhesive	184.03	
07 51 13 00-0115	SQ	BURmastic Flood Coat Cold Applied Adhesive	303.40	
07 51 13 00-0116	SQ	BURmastic SF Inter-Ply Cold Applied Adhesive	234.25	
07 51 13 00-0117	SQ	BURmastic LV Inter-Ply Cold Applied Adhesive	184.03	
07 51 13 00-0118	SQ	POWERply Standard Inter-Ply Cold Applied Adhesive	93.53	
07 51 13 00-0119	SQ	POWERply Standard Flood Coat Cold Applied Adhesive	207.60	
07 51 13 00-0120	SQ	POWERply White On White Cold Applied Adhesive	204.87	
07 51 13 00-0121	SQ	Rock-It Cold Applied Adhesive For Gravel Applications	570.03	
07 51 13 00-0122	SQ	FAS-n-FREE Cold Applied Adhesive (Beads 12" OC) Note: For insulation only.	315.06	
07 51 13 00-0123	SQ	ECOLastic Cold Applied Adhesive	354.34	
07 51 13 00-0124		**Hot Applied Adhesives** *(07 51 13 00-0077)*		
07 51 13 00-0125	SQ	Premium III Asphalt Inter-Ply Hot Applied Adhesive	66.68	
07 51 13 00-0126	SQ	Premium III Asphalt Flood Coat Hot Applied Adhesive	123.04	
07 51 13 00-0127		**Flashings Adhesives** *(07 51 13 00-0077)*		
07 51 13 00-0128	LF	Sheeting Bond Flashing Adhesive Note: Used to attach Hypalon sheeting to asphalt or coal-tar roofing membranes.	22.54	
07 51 13 00-0129	LF	Polyroof SF Flashing Mastic Note: A solvent free, one part elastomeric roof mastic. Used to seal edges or as a repair mastic for split or cracked seals.	29.73	
07 51 13 00-0130	LF	ELS Flashing Mastic Note: Used for repairing flashings and asphalt built-up roof defects.	18.22	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0131	LF	TremSEAL D General Purpose Sealant	6.95	
07 51 13 00-0132	LF	TremSEAL HP High Performance Sealant	7.14	
07 51 13 00-0133	LF	TremSEAL S Silicone Sealant	6.99	
07 51 13 00-0134		**Surfacing** *(07 51 13 00-0077)*		
07 51 13 00-0135	SQ	TremLastic SP Non-Fibered Elastomeric Emulsion Cold Applied Coating	274.06	
07 51 13 00-0136	SQ	ICE Coating, Water Based, Heavy Bodied Elastomeric Roof Coating	613.14	
07 51 13 00-0137	SQ	Polar Coat	157.76	
07 51 13 00-0138	SQ	Alumanation 301, Asphalt Based, Fibrated Aluminum Roof Coating	193.26	
07 51 13 00-0139	SQ	Wall-Tite, Elastomeric Coating For Exterior Above-Grade Walls	560.87	
07 51 13 00-0140	SQ	Solarguard Hy-Build, Elastomeric Coating For Exterior Above-Grade Walls	254.78	
07 51 13 00-0141	SQ	100% Stitchbonded, Polyester Fabric (Tremco PERMAFAB)	72.28	
07 51 13 00-0142		**Walkway Protection Pads** *(07 51 13 00-0077)*		
07 51 13 00-0143	LF	36" Wide, Fiberglass Reinforced Asphaltic Walkway Protection Pad (Tremco Trem-Tred®)	35.68	
07 51 13 00-0144		**Primer** *(07 51 13 00-0077)*		
07 51 13 00-0145	SQ	TREMprime WB Primer Note: Water based polymer modified asphalt primer.	40.80	
07 51 13 00-0146	SQ	Solarguard Masonry Primer, Acrylic Latex Primer For Wall Tite F Coating	90.39	
07 51 13 00-0147		**Liquid Applied Roofing** *(07 51 13 00-0077)*		
07 51 13 00-0148	SQ	Trem-LAR LRM H Waterproofing (Horizontal) Note: One part liquid applied elastomeric roofing membrane. 60 mils.	466.38	
07 51 13 00-0149	SQ	Trem-LAR LRM V Waterproofing (Vertical) Note: One part liquid applied elastomeric roofing membrane. 60 mils.	475.12	
07 51 13 00-0150	SQ	AlphaGuard BIO Base Coat, High Performance, Two-Part, Polyurethane Roof Coating For Smooth BUR/MB, Concrete Or Single Ply Surfaces Note: Two part liquid applied polyurethane roof coating. 48 mils.	610.01	
07 51 13 00-0151	SQ	AlphaGuard BIO Base Coat, High Performance, Two-Part, Polyurethane Roof Coating For Granule MB Surfaces Note: Two part liquid applied polyurethane roof coating. 64 mils.	793.35	
07 51 13 00-0152	SQ	AlphaGuard BIO Top Coat, High Performance, Two-Part, Polyurethane Roof Coating Note: Two part liquid applied polyurethane roof coating. 32 mils.	463.01	
07 51 13 00-0153	SQ	AlphaGuard Glass Mat Note: Reinforcement mat for AlphaGuard systems.	88.97	
07 51 13 00-0154	SQ	AlphaGuard C-Prime Primer Note: 100% solids epoxy primer for concrete surfaces.	90.49	
07 51 13 00-0155	SQ	AlphaGuard M-Prime Primer Note: Water based primer for metal and plastic surfaces.	97.22	
07 51 13 00-0156	SQ	Geogard Primer Note: Reactivation primer for cured AlphaGuard MT roof systems and coatings.	71.80	
07 51 13 00-0157	SQ	AlphaGuard Primer WB Note: Water based polymer modified primer which conditions a variety of roofing substrates prior to the application of AlphaGuard systems.	64.64	
07 51 13 00-0158		**Atactic-Polypropylene (APP) Products** *(07 51 13 00-0077)*		
07 51 13 00-0159	SQ	POWERply Atactic-Polypropylene (APP) Base Sheet	240.67	
07 51 13 00-0160	SQ	POWERply Atactic-Polypropylene (APP) FR	455.17	
07 51 13 00-0161	SQ	POWERply Atactic-Polypropylene (APP) Smooth	364.77	
07 51 13 00-0162		**Tri-Polymer Alloy (TPA) White Membrane** *(07 51 13 00-0077)*		
07 51 13 00-0163	SQ	45 Mil Tri-Polymer Alloy (TPA) White Membrane	639.64	
07 51 13 00-0164	SQ	60 Mil Tri-Polymer Alloy (TPA) White Membrane	876.50	
07 51 13 00-0165	SQ	80 Mil Tri-Polymer Alloy (TPA) White Membrane	995.50	
07 51 13 00-0166		**Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane** *(07 51 13 00-0077)*		
07 51 13 00-0167	SQ	45 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane	735.08	
07 51 13 00-0168	SQ	60 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane	901.22	
07 51 13 00-0169	SQ	80 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane	1,102.11	
07 51 13 00-0170		**Tri-Polymer Alloy (TPA) Membrane Accessories** *(07 51 13 00-0077)*		
07 51 13 00-0171	EA	>1" To 4" Pipe Diameter, Prefabricated Tri-Polymer Alloy (TPA) Pipe Cone/Boot (Tremco)	131.57	
07 51 13 00-0172	EA	>4" To 8" Pipe Diameter, Prefabricated Tri-Polymer Alloy (TPA) Pipe Cone/Boot (Tremco)	149.42	
07 51 13 00-0173	LF	36" Wide, Thermoplastic Tri-Polymer Alloy (TPA) Walkway Protection Pad (Tremco)	21.56	
07 51 13 00-0174	SQ	Factory Coated Steel Fasteners And Steel Or Plastic Membrane Plates (Tremco)	74.83	
07 51 13 00-0175		**Thermoplastic Polyolefin (TPO) Polyester White Membrane** *(07 51 13 00-0077)*		
07 51 13 00-0176	SQ	45 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane	344.40	
07 51 13 00-0177	SQ	60 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane	348.64	
07 51 13 00-0178	SQ	80 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane	620.38	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0179		**Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane** *(07 51 13 00-0077)*		
07 51 13 00-0180	SQ	45 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane	399.87	
07 51 13 00-0181	SQ	60 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane	450.21	
07 51 13 00-0182	SQ	80 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane	654.31	
07 51 13 00-0183		**Chlorosulfonated Polyethylene (CSPE) White Membrane (Tremply HP 4510)** *(07 51 13 00-0077)*		
07 51 13 00-0184	SQ	45 Mil Chlorosulfonated Polyethylene (CSPE) White Membrane (Tremply HP 4510)	1,071.38	
07 51 13 00-0185		**Single Ply Adhesives** *(07 51 13 00-0077)*		
07 51 13 00-0186	SQ	Low VOC, TPA Bonding Adhesive (Tremco)	174.18	
07 51 13 00-0187	SQ	Water Based, TPA Bonding Adhesive (Tremco)	196.62	
07 51 13 00-0188	SQ	Water Based, Fleece Backed Single Ply Bonding Adhesive (Tremco)	170.93	
07 51 13 00-0189	SQ	Low VOC, TPO Bonding Adhesive (Tremco)	114.35	
07 51 13 00-0190		**Warranty (Tremco)** *(07 51 13 00-0077)*		
07 51 13 00-0191	EA	Up To 10,000 SF 15 Year Roofing System Warranty	1,500.00	
07 51 13 00-0192	SF	>10,000 SF 15 Year Roofing System Warranty	0.15	
07 51 13 00-0193	EA	Up To 10,000 SF 20 Year Roofing System Warranty	2,000.00	
07 51 13 00-0194	SF	>10,000 SF 20 Year Roofing System Warranty	0.20	
07 51 13 00-0195		**Built-Up Roofing Components (Garland)** *(07 51 13)* Note: All tasks presented as a single layer. Adhesives are priced separately.		
07 51 13 00-0196		**Modified Cap Membranes** *(07 51 13 00-0195)* See CSI section 07 51 13 00-0220 for base membrane.		
07 51 13 00-0197		**Modified Cap Membranes, Hot/Cold Applied** *(07 51 13 00-0196)* Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty.		
07 51 13 00-0198	SQ	Stressply® FR Mineral Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Fiberglass Reinforced Membrane, Minimum 145 Mil	747.46	
07 51 13 00-0199	SQ	Stressply® Plus Poly/Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Membrane With Recycled Rubber, 105 Mil	534.95	
07 51 13 00-0200	SQ	Stressply® Plus FR Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Fiberglass Reinforced Membrane With Recycled Rubber, Minimum 155 Mil	662.16	
07 51 13 00-0201	SQ	Stressply® E Eco-Responsible, Smooth Styrene-Butadiene-Styrene (SBS)/Styrene-Isoprene-Styrene (SIS) Membrane With High Recycled Content And Renewable Materials	688.05	
07 51 13 00-0202	SQ	Stressply® E FR Mineral Eco-Responsible, Styrene-Butadiene-Styrene (SBS)/Styrene-Isoprene-Styrene (SIS) Membrane With High Recycled Content And Renewable Materials, Minimum 160 Mil	957.69	
07 51 13 00-0203	SQ	Stressply® EUV Fiberglass Reinforced, Minimum Poly/Fiberglass Reinforced White T-24 Styrene-Butadiene-Styrene (SBS)/Styrene-Isoprene-Styrene (SIS) Modified Membrane With Recycled Rubber, 160 Mil	1,076.51	
07 51 13 00-0204	SQ	Versiply® III 80 Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, 80 Mil Note: Low strength cap sheet for hot or cold modified systems used with gravel.	452.05	
07 51 13 00-0205	SQ	Versiply® III Mineral Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, Minimum 145 Mil	570.76	
07 51 13 00-0206	SQ	BiFlex® Cap Fiberglass Reinforced, Mineral Surfaced Styrene-Butadiene-Styrene (SBS) Modified Membrane, 140 Mil	349.32	
07 51 13 00-0207		**Modified Cap Membranes, Self-Adhering** *(07 51 13 00-0196)* Note: As manufactured by Garland. Pricing represents single ply per square. Includes 25 year leak-free warranty.		
07 51 13 00-0208	SQ	Stressply® SA FR Mineral Styrene-Butadiene-Styrene (SBS) Modified Self-Adhering Fiberglass Reinforced Membrane, Minimum 140 Mil Note: Self adhering system. One HPR SA FR base with one ply Stress Ply SA FR cap sheet.	676.63	
07 51 13 00-0209		**Modified Cap Membranes, Torch-Applied** *(07 51 13 00-0196)* Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty.		
07 51 13 00-0210	SQ	Stressply® IV Dual Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, 180 Mil Note: Smooth surfaced Styrene-Butadiene-Styrene (SBS) torch modified top ply of torch system with gravel.	832.78	
07 51 13 00-0211	SQ	Stressply® IV Mineral Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, Minimum 195 Mil	905.91	
07 51 13 00-0212	SQ	Stressply® IV UV Mineral Fiberglass Reinforced, Starburst Surface Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, Title 24 Compliant, 195 Mil	954.65	
07 51 13 00-0213	SQ	StressPly® IV Plus Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, 180 Mil	872.39	
07 51 13 00-0214	SQ	StressPly® IV Plus Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Mineral Surfaced Membrane, Torch Applied, 195 Mil	924.19	
07 51 13 00-0215	SQ	StressPly® IV Plus UV Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Reflective Mineral Membrane, Torch Applied, 195 Mil	969.89	
07 51 13 00-0216		**Modified Cap Membranes, Coal Tar Pitch Systems** *(07 51 13 00-0196)* Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0217	SQ	Millennium® Poly/Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Coal Tar Membrane, Minimum 120 Mil	766.96	
07 51 13 00-0218	SQ	Millennium® FR Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Coal Tar Fiberglass Reinforced Membrane, Minimum 160 Mil	1,213.62	
07 51 13 00-0219	SQ	Millennium® Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Coal Tar Membrane, Minimum 160 Mil	988.17	
07 51 13 00-0220		**Base Ply** *(07 51 13 00-0195)* Note: Used with modified cap membranes, underlayment for metal systems, and reinforcement for restoration systems. See CSI section 07 51 13 00-0196 for cap membrane.		
07 51 13 00-0221	SQ	Flexbase® E120 Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Base Sheet Used As Base Ply With Biflex Cap, 120 Mil	683.48	
07 51 13 00-0222	SQ	Flexbase® 80 Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Base Sheet Used As Base Ply With Biflex Cap, 80 Mil	429.84	
07 51 13 00-0223	SQ	HPR® Glasbase Heavy-Duty Double Coated ASTM D 4601, Type II Fiberglass, Type II, 55 Mil Note: Glasbase used in cold system, nailed to deck, or inner ply 2 plies with cap.	98.64	
07 51 13 00-0224	SQ	HPR® Glasfelt Asphalt Saturated Fiberglass Felt, ASTM D 2178 Type IV, 20 Mil Note: Inner ply felts for hot applied built up and modified BUR systems.	65.43	
07 51 13 00-0225	SQ	HPR® Premium Glasbase High Strength, Double Coated Premium Base Sheet, Far Exceeds ASTM D 4601 Type II, 55 Mil	79.59	
07 51 13 00-0226	SQ	HPR® Premium Glasfelt Premium Asphalt Saturated Fiberglass Felt, ASTM D 2178 Type VI, 25 Mil	86.44	
07 51 13 00-0227	SQ	HPR® Tribase Premium Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Base Sheet, 60 Mil Note: Inner plies for cold applied modified, Styrene-Butadiene-Styrene (SBS) modified, or 2 plies under cap sheet.	134.00	
07 51 13 00-0228	SQ	Millennium® Base Poly/Fiberglass Reinforced Coal Tar Base Sheet For Cold Millennium Systems, 80 Mil	434.87	
07 51 13 00-0229	SQ	HPR® SA FR Base Sheet Styrene-Butadiene-Styrene (SBS) Modified Self-Adhering Underlayment Used In SP SA Fiberglass Reinforced Systems, Minimum 80 Mil Note: Self adhering base ply for self adhering 2 ply system.	375.77	
07 51 13 00-0230	SQ	SA Base IV Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Underlayment Used With StressPly Cap Sheets, 110 Mil	350.18	
07 51 13 00-0231	SQ	StressBase® 120 Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Underlayment Used With VersiPly And StressPly Cap Sheets, 120 Mil	381.22	
07 51 13 00-0232	SQ	StressBase® 80 Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Underlayment Used With VersiPly And StressPly Cap Sheets, 80 Mil	316.48	
07 51 13 00-0233	LF	Garmesh® 6" Styrene-Butadiene-Styrene (SBS) Coated Woven Fiberglass Reinforcing Fabric	5.89	
07 51 13 00-0234	LF	Grip Polyester® Firm Polyester Reinforcement Used For Cold Application Over Smooth BUR Or Modified Roof Systems	16.09	
07 51 13 00-0235	SQ	Grip Polyester® Soft Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	76.16	
07 51 13 00-0236	LF	Grip Polyester® Soft 12" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	7.66	
07 51 13 00-0237	LF	Grip Polyester® Soft 4" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	5.58	
07 51 13 00-0238	LF	Grip Polyester® Soft 6" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	6.47	
07 51 13 00-0239	SQ	HPR® Polyscrim Plus Polyester Reinforcement For Hot Bitumen Applications	165.97	
07 51 13 00-0240		**Coatings And Mastics For Roof Installation, Restoration And Repairs** *(07 51 13 00-0195)*		
07 51 13 00-0241	SQ	Water Based Roof Primer, GarlaPrime VOC Primer	48.66	
07 51 13 00-0242	SQ	Black-Knight® Primer	45.07	
07 51 13 00-0243	SQ	Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Interply	183.09	
07 51 13 00-0244	SQ	Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Flood Coat (4-5 GAL/SQ)	194.34	
07 51 13 00-0245	SQ	Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Restoration (6-8 GAL/SQ)	309.45	
07 51 13 00-0246	SQ	Black-Knight® LV Hot Applied Polymer Modified Lower Viscosity Coal Tar Adhesive, Interply	496.12	
07 51 13 00-0247	SQ	Black-Knight® LV Hot Applied Polymer Modified Lower Viscosity Coal Tar Adhesive, Flood Coat	511.12	
07 51 13 00-0248	SQ	Energizer® K Plus FR Cold Applied Styrene-Butadiene-Styrene (SBS) Modified Asphalt Coating With Kevlar® For Smooth And Mineral Restoration, One Coat (3 GAL/SQ)	239.22	
07 51 13 00-0249	SQ	Energizer® K Plus FR Cold Applied Styrene-Butadiene-Styrene (SBS) Modified Asphalt Coating With Kevlar® For Smooth And Mineral Restoration, Restoration	395.38	
07 51 13 00-0250	SQ	Energizer® LO Low Odor Cold Applied Polyurethane Modified Asphalt Liquid Membrane For Smooth And Mineral Restoration, One Coat (3 GAL/SQ)	608.37	
07 51 13 00-0251	SQ	Energizer® LO Low Odor Cold Applied Polyurethane Modified Asphalt Liquid Membrane For Smooth And Mineral Restoration, Restoration	1,010.82	
07 51 13 00-0252	SQ	Garlastic® KM Plus Premium Hot Applied, Styrene-Ethylene-Butadiene-Styrene (SEBS) Modified Adhesive/Waterproofer, Interply	423.70	
07 51 13 00-0253	SQ	Garlastic® KM Plus Premium Hot Applied, Styrene-Ethylene-Butadiene-Styrene (SEBS) Modified Adhesive/Waterproofer, Flood Coat	438.70	
07 51 13 00-0254	SQ	Green-Lock® Flashing Adhesive 100% Solids Polyether, Zero VOC, Flashing Adhesive To Be Used With Styrene-Butadiene-Styrene (SBS) Sheets Only	927.94	
07 51 13 00-0255	SQ	Green-Lock® Membrane Adhesive 100% Solids Polyether, Zero VOC, Membrane Adhesive To Be Used With Styrene-Butadiene-Styrene (SBS) Sheets Only	402.40	
07 51 13 00-0256	SQ	HPR® All-Temp Asphalt Hot Applied, High Softening Point, High Penetration Mopping Asphalt, Interply	197.28	
07 51 13 00-0257	SQ	HPR® All-Temp Asphalt Hot Applied, High Softening Point, High Penetration Mopping Asphalt, Flood Coat	212.28	
07 51 13 00-0258	SQ	Insul-Lock® E HR Bio-Based High Rise Urethane Insulation Adhesive For New Construction Or Gravel	184.65	
07 51 13 00-0259	SQ	Insul-Lock® HR High Rise Urethane Insulation Adhesive For New Construction Or Gravel Recovers	172.55	
07 51 13 00-0260	SQ	Insul-Lock® HR Universal Primer All-Purpose Water Based Primer Designed For Use With The Insul-Lock Products Note: Adheres all insulation layers for cold systems.	22.30	
07 51 13 00-0261	SQ	Pyramic® Plus LO White, Water-Based Acrylic, Low VOC, Reflective Roof Coating, Energy Star, Top Coat Required	207.64	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0262	SQ	Pyramic® Plus LO Base Coat, Water-Based, Acrylic, Low VOC, Base Coating For A Pyramic System	201.31	
07 51 13 00-0263	LF	Silver-Flash® Aluminized Asphalt Fibered Trowel Grade Mastic Used With GarMesh	26.10	
07 51 13 00-0264	SQ	Solex® White, Kynar® Acrylic Topcoat Roof Coating Used With Pyramic Base Coat	268.60	
07 51 13 00-0265	SQ	Tuff-Flash™ Multi-Purpose Asphaltic Polyurethane Liquid Flashing Membrane Used With Reinforcing Fabric	1,546.49	
07 51 13 00-0266	SQ	Weatherscreen™ Rubberized, Fiber-Reinforced Fire-Rated Restoration For Modified And Gravel, Flood Coat (4-5 GAL/SQ)	343.48	
07 51 13 00-0267	SQ	Weatherscreen™ Rubberized, Fiber-Reinforced Fire-Rated Restoration For Modified And Gravel	418.73	
07 51 13 00-0268	SQ	Weatherking® Cold Applied Rubber Modified Asphalt Interplay Adhesive For Slopes Up To 3:12, Interply	156.36	
07 51 13 00-0269	SQ	Weatherking® Flashing Adhesive Brush Grade, Cold Applied Asphalt Adhesive For Flashings In A Weatherking System	524.08	
07 51 13 00-0270	SQ	Weatherking® Plus WC Cold Applied Rubber Modified, VOC Compliant Asphalt Interply Adhesive For Slopes Up To 2:12, Interply	155.20	
		Note: Inner ply and flood coat SEBS modified adhesive for all cold systems with gravel.		

07 52 Modified Bituminous Membrane Roofing *(07 50)*

07 52 13 Atactic-Polypropylene Modified Bituminous Membrane Roofing *(07 52)*

Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0001 for additional components such as concrete primers, cant strips, surfacing, walkway boards, demolition and warranties.

07 52 13 11 Cold Adhesive Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing *(07 52 13)*

07 52 13 11-0001 Cold Adhesive Applied Atactic-Polypropylene (APP) Modified Bituminous Membrane Roofing *(07 52 13 11)*

Note: Includes fiberglass and/or polyester reinforcement. Includes applying cold adhesive and embedding the membrane. Includes heat welding side and end laps when required.

07 52 13 11-0002 Cold Adhesive Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 13 11-0001)*

07 52 13 11-0003	SQ	80 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Sheet, Cold Adhesive Applied	216.97
		For Up To 10, Add	*51.51*
		For >10 To 20, Add	*27.79*
		For >20 To 40, Add	*14.91*
		For >75 To 100, Deduct	*-7.45*
		For >100 To 200, Deduct	*-15.92*
		For >200, Deduct	*-23.38*
07 52 13 11-0004	SQ	90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Cold Adhesive Applied	263.63
		For Up To 10, Add	*60.85*
		For >10 To 20, Add	*32.45*
		For >20 To 40, Add	*17.24*
		For >75 To 100, Deduct	*-8.62*
		For >100 To 200, Deduct	*-18.26*
		For >200, Deduct	*-26.88*
07 52 13 11-0005	SQ	160 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Cold Adhesive Applied	412.62
		For Up To 10, Add	*90.64*
		For >10 To 20, Add	*47.35*
		For >20 To 40, Add	*24.69*
		For >75 To 100, Deduct	*-12.35*
		For >100 To 200, Deduct	*-25.71*
		For >200, Deduct	*-38.05*
07 52 13 11-0006	SQ	160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	416.48
		For Up To 10, Add	*92.19*
		For >10 To 20, Add	*48.32*
		For >20 To 40, Add	*25.27*
		For >75 To 100, Deduct	*-12.64*
		For >100 To 200, Deduct	*-26.38*
		For >200, Deduct	*-39.02*
07 52 13 11-0007	SQ	160 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	298.81
		For Up To 10, Add	*68.65*
		For >10 To 20, Add	*36.55*
		For >20 To 40, Add	*19.39*
		For >75 To 100, Deduct	*-9.69*
		For >100 To 200, Deduct	*-20.50*
		For >200, Deduct	*-30.19*
		For Factory Applied White Reflective Surfacing, Add	*108.28*
07 52 13 11-0008	SQ	160 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	346.00
		For Up To 10, Add	*78.09*
		For >10 To 20, Add	*41.27*
		For >20 To 40, Add	*21.75*
		For >75 To 100, Deduct	*-10.87*
		For >100 To 200, Deduct	*-22.86*
		For >200, Deduct	*-33.73*
		For Factory Applied White Reflective Surfacing, Add	*108.28*
07 52 13 11-0009	SQ	180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	474.60
		For Up To 10, Add	*103.81*
		For >10 To 20, Add	*54.13*
		For >20 To 40, Add	*28.18*
		For >75 To 100, Deduct	*-14.09*
		For >100 To 200, Deduct	*-29.29*
		For >200, Deduct	*-43.38*
		For Factory Applied White Reflective Surfacing, Add	*108.28*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 13 11-0010		Cold Adhesive Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Flashing *(07 52 13 11-0001)*		
07 52 13 11-0011	SF	160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Cold Adhesive Applied	6.20	
07 52 13 11-0012	SF	180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Cold Adhesive Applied	9.33	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 13 13		**Torch-Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing** *(07 52 13)*		
07 52 13 13-0001		Torch-Applied Atactic-Polypropylene (APP) Modified Bituminous Membrane Roofing *(07 52 13 13)*		
		Note: Includes fiberglass and/or polyester reinforcement. Includes adhering the membrane with a torch.		
07 52 13 13-0002		Torch-Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 13 13-0001)*		
07 52 13 13-0003	SQ	80 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Sheet, Torch-Applied	157.19	
		For Up To 10, Add	*39.55*	
		For >10 To 20, Add	*21.80*	
		For >20 To 40, Add	*11.92*	
		For >75 To 100, Deduct	*-5.96*	
		For >100 To 200, Deduct	*-12.93*	
		For >200, Deduct	*-18.89*	
07 52 13 13-0004	SQ	90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Torch-Applied	203.85	
		For Up To 10, Add	*48.88*	
		For >10 To 20, Add	*26.47*	
		For >20 To 40, Add	*14.25*	
		For >75 To 100, Deduct	*-7.12*	
		For >100 To 200, Deduct	*-15.26*	
		For >200, Deduct	*-22.39*	
07 52 13 13-0005	SQ	150 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Torch-Applied	246.11	
		For Up To 10, Add	*61.40*	
		For >10 To 20, Add	*33.75*	
		For >20 To 40, Add	*18.40*	
		For >75 To 100, Deduct	*-9.20*	
		For >100 To 200, Deduct	*-19.92*	
		For >200, Deduct	*-29.12*	
07 52 13 13-0006	SQ	160 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Torch-Applied	258.06	
		For Up To 10, Add	*63.79*	
		For >10 To 20, Add	*34.94*	
		For >20 To 40, Add	*18.99*	
		For >75 To 100, Deduct	*-9.50*	
		For >100 To 200, Deduct	*-20.52*	
		For >200, Deduct	*-30.01*	
07 52 13 13-0007	SQ	180 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Torch-Applied	354.99	
		For Up To 10, Add	*83.18*	
		For >10 To 20, Add	*44.64*	
		For >20 To 40, Add	*23.84*	
		For >75 To 100, Deduct	*-11.92*	
		For >100 To 200, Deduct	*-25.36*	
		For >200, Deduct	*-37.28*	
07 52 13 13-0008	SQ	150 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	246.11	
		For Up To 10, Add	*61.40*	
		For >10 To 20, Add	*33.75*	
		For >20 To 40, Add	*18.40*	
		For >75 To 100, Deduct	*-9.20*	
		For >100 To 200, Deduct	*-19.92*	
		For >200, Deduct	*-29.12*	
07 52 13 13-0009	SQ	160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	261.04	
		For Up To 10, Add	*64.39*	
		For >10 To 20, Add	*35.24*	
		For >20 To 40, Add	*19.14*	
		For >75 To 100, Deduct	*-9.57*	
		For >100 To 200, Deduct	*-20.67*	
		For >200, Deduct	*-30.24*	
07 52 13 13-0010	SQ	180 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	354.99	
		For Up To 10, Add	*83.18*	
		For >10 To 20, Add	*44.64*	
		For >20 To 40, Add	*23.84*	
		For >75 To 100, Deduct	*-11.92*	
		For >100 To 200, Deduct	*-25.36*	
		For >200, Deduct	*-37.28*	
07 52 13 13-0011	SQ	160 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	255.52	
		For Up To 10, Add	*63.29*	
		For >10 To 20, Add	*34.69*	
		For >20 To 40, Add	*18.87*	
		For >75 To 100, Deduct	*-9.43*	
		For >100 To 200, Deduct	*-20.39*	
		For >200, Deduct	*-29.82*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 13 13-0012	SQ	170 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	270.00	
		For Up To 10, Add	*66.18*	
		For >10 To 20, Add	*36.14*	
		For >20 To 40, Add	*19.59*	
		For >75 To 100, Deduct	*-9.80*	
		For >100 To 200, Deduct	*-21.11*	
		For >200, Deduct	*-30.91*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 13 13-0013	SQ	160 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	305.55	
		For Up To 10, Add	*73.29*	
		For >10 To 20, Add	*39.69*	
		For >20 To 40, Add	*21.37*	
		For >75 To 100, Deduct	*-10.68*	
		For >100 To 200, Deduct	*-22.89*	
		For >200, Deduct	*-33.58*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 13 13-0014	SQ	170 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	309.88	
		For Up To 10, Add	*74.16*	
		For >10 To 20, Add	*40.12*	
		For >20 To 40, Add	*21.59*	
		For >75 To 100, Deduct	*-10.79*	
		For >100 To 200, Deduct	*-23.11*	
		For >200, Deduct	*-33.90*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 13 13-0015	SQ	180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	431.30	
		For Up To 10, Add	*98.44*	
		For >10 To 20, Add	*52.27*	
		For >20 To 40, Add	*27.66*	
		For >75 To 100, Deduct	*-13.83*	
		For >100 To 200, Deduct	*-29.18*	
		For >200, Deduct	*-43.01*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	

07 52 13 13-0016 Torch-Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Flashing *(07 52 13 13-0001)*

07 52 13 13-0017	SF	150 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	3.67	
07 52 13 13-0018	SF	160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	3.82	
07 52 13 13-0019	SF	180 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	4.76	
07 52 13 13-0020	SF	170 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	3.91	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 13 13-0021	SF	170 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	4.31	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 13 13-0022	SF	180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	5.52	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	

07 52 13 14 Mechanically Fastened Atactic-Polypropylene-Modified Bituminous Membrane Roofing *(07 52 13)*

07 52 13 14-0001 Mechanically Fastened Atactic-Polypropylene (APP) Modified Bituminous Membrane Roofing *(07 52 13 14)*

Note: Includes fiberglass and/or polyester reinforcement. Includes fasteners.

07 52 13 14-0002 Mechanically Fastened, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base And Ply Sheets *(07 52 13 14-0001)*

07 52 13 14-0003	SQ	90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Mechanically Fastened	230.08	
		For Up To 10, Add	*50.07*	
		For >10 To 20, Add	*26.05*	
		For >20 To 40, Add	*13.53*	
		For >75 To 100, Deduct	*-6.77*	
		For >100 To 200, Deduct	*-14.04*	
		For >200, Deduct	*-20.81*	

07 52 16 Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52)*

Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0001 for additional components such as concrete primers, cant strips, surfacing, walkway boards, demolition and warranties.

07 52 16 11 Cold Adhesive Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52 16)*

07 52 16 11-0001 Cold Adhesive Applied Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing *(07 52 16 11)*

Note: Includes fiberglass and/or polyester reinforcement. Includes applying cold adhesive and embedding the membrane. Includes heat welding side and end laps when required.

07 52 16 11-0002 Cold Adhesive Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 16 11-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 11-0003	SQ	50 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Cold Adhesive Applied	171.28	
		For Up To 10, Add	*42.38*	
		For >10 To 20, Add	*23.22*	
		For >20 To 40, Add	*12.62*	
		For >75 To 100, Deduct	*-6.31*	
		For >100 To 200, Deduct	*-13.64*	
		For >200, Deduct	*-19.95*	
07 52 16 11-0004	SQ	80 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Cold Adhesive Applied	223.09	
		For Up To 10, Add	*52.74*	
		For >10 To 20, Add	*28.40*	
		For >20 To 40, Add	*15.21*	
		For >75 To 100, Deduct	*-7.61*	
		For >100 To 200, Deduct	*-16.23*	
		For >200, Deduct	*-23.84*	
07 52 16 11-0005	SQ	90 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Cold Adhesive Applied	229.78	
		For Up To 10, Add	*54.08*	
		For >10 To 20, Add	*29.07*	
		For >20 To 40, Add	*15.55*	
		For >75 To 100, Deduct	*-7.77*	
		For >100 To 200, Deduct	*-16.56*	
		For >200, Deduct	*-24.34*	
07 52 16 11-0006	SQ	120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Cold Adhesive Applied	312.42	
		For Up To 10, Add	*70.60*	
		For >10 To 20, Add	*37.33*	
		For >20 To 40, Add	*19.68*	
		For >75 To 100, Deduct	*-9.84*	
		For >100 To 200, Deduct	*-20.70*	
		For >200, Deduct	*-30.54*	
07 52 16 11-0007	SQ	125 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Ply Sheet, Cold Adhesive Applied	396.06	
		For Up To 10, Add	*87.33*	
		For >10 To 20, Add	*45.70*	
		For >20 To 40, Add	*23.86*	
		For >75 To 100, Deduct	*-11.93*	
		For >100 To 200, Deduct	*-24.88*	
		For >200, Deduct	*-36.81*	
07 52 16 11-0008	SQ	140 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	330.59	
		For Up To 10, Add	*75.01*	
		For >10 To 20, Add	*39.73*	
		For >20 To 40, Add	*20.98*	
		For >75 To 100, Deduct	*-10.49*	
		For >100 To 200, Deduct	*-22.09*	
		For >200, Deduct	*-32.57*	
07 52 16 11-0009	SQ	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	339.58	
		For Up To 10, Add	*76.81*	
		For >10 To 20, Add	*40.63*	
		For >20 To 40, Add	*21.43*	
		For >75 To 100, Deduct	*-10.71*	
		For >100 To 200, Deduct	*-22.54*	
		For >200, Deduct	*-33.25*	
07 52 16 11-0010	SQ	125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	297.46	
		For Up To 10, Add	*68.38*	
		For >10 To 20, Add	*36.42*	
		For >20 To 40, Add	*19.32*	
		For >75 To 100, Deduct	*-9.66*	
		For >100 To 200, Deduct	*-20.43*	
		For >200, Deduct	*-30.09*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 11-0011	SQ	140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	301.35	
		For Up To 10, Add	*69.16*	
		For >10 To 20, Add	*36.80*	
		For >20 To 40, Add	*19.51*	
		For >75 To 100, Deduct	*-9.76*	
		For >100 To 200, Deduct	*-20.63*	
		For >200, Deduct	*-30.38*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 11-0012	SQ	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	337.19	
		For Up To 10, Add	*76.33*	
		For >10 To 20, Add	*40.39*	
		For >20 To 40, Add	*21.31*	
		For >75 To 100, Deduct	*-10.65*	
		For >100 To 200, Deduct	*-22.42*	
		For >200, Deduct	*-33.07*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 11-0013	SQ	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	343.16	
		For Up To 10, Add	*77.52*	
		For >10 To 20, Add	*40.99*	
		For >20 To 40, Add	*21.60*	
		For >75 To 100, Deduct	*-10.80*	
		For >100 To 200, Deduct	*-22.72*	
		For >200, Deduct	*-33.52*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 11-0014	SQ	170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	395.44	
		For Up To 10, Add	*87.98*	
		For >10 To 20, Add	*46.21*	
		For >20 To 40, Add	*24.22*	
		For >75 To 100, Deduct	*-12.11*	
		For >100 To 200, Deduct	*-25.33*	
		For >200, Deduct	*-37.44*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 11-0015	SQ	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	490.67	
		For Up To 10, Add	*107.03*	
		For >10 To 20, Add	*55.74*	
		For >20 To 40, Add	*28.98*	
		For >75 To 100, Deduct	*-14.49*	
		For >100 To 200, Deduct	*-30.09*	
		For >200, Deduct	*-44.58*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 11-0016	SQ	125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	303.94	
		For Up To 10, Add	*69.68*	
		For >10 To 20, Add	*37.06*	
		For >20 To 40, Add	*19.64*	
		For >75 To 100, Deduct	*-9.82*	
		For >100 To 200, Deduct	*-20.75*	
		For >200, Deduct	*-30.58*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 11-0017	SQ	140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	313.29	
		For Up To 10, Add	*71.55*	
		For >10 To 20, Add	*38.00*	
		For >20 To 40, Add	*20.11*	
		For >75 To 100, Deduct	*-10.06*	
		For >100 To 200, Deduct	*-21.22*	
		For >200, Deduct	*-31.28*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 11-0018	SQ	150 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	364.07	
		For Up To 10, Add	*81.71*	
		For >10 To 20, Add	*43.08*	
		For >20 To 40, Add	*22.65*	
		For >75 To 100, Deduct	*-11.32*	
		For >100 To 200, Deduct	*-23.76*	
		For >200, Deduct	*-35.09*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 11-0019	SQ	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	365.27	
		For Up To 10, Add	*81.95*	
		For >10 To 20, Add	*43.20*	
		For >20 To 40, Add	*22.71*	
		For >75 To 100, Deduct	*-11.35*	
		For >100 To 200, Deduct	*-23.82*	
		For >200, Deduct	*-35.18*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 11-0020	SQ	170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	387.97	
		For Up To 10, Add	*86.49*	
		For >10 To 20, Add	*45.47*	
		For >20 To 40, Add	*23.84*	
		For >75 To 100, Deduct	*-11.92*	
		For >100 To 200, Deduct	*-24.96*	
		For >200, Deduct	*-36.88*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	

07 52 16 11-0021 Cold Adhesive Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing *(07 52 16 11-0001)*

07 52 16 11-0022	SF	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	5.43	
07 52 16 11-0023	SF	125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	5.01	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 11-0024	SF	140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	5.05	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 11-0025	SF	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	5.47	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 11-0026	SF	170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	5.99	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 11-0027	SF	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	6.94	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 11-0028	SF	125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	5.08	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 11-0029	SF	140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	5.17	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 11-0030	SF	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	5.69	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 11-0031	SF	170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	5.92	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 11-0032	SF	145 Mil, Aluminum Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	7.78	
07 52 16 11-0033	SF	160 Mil, Copper Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	14.49	

07 52 16 12 Hot-Mopped Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52 16)*

07 52 16 12-0001 Hot-Mopped Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing *(07 52 16 12)*

Note: Includes fiberglass and/or polyester reinforcement. Includes mopping hot asphalt and embedding the membrane.

07 52 16 12-0002 Hot-Mopped, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 16 12-0001)*

07 52 16 12-0003	SQ	50 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Hot-Mopped	140.78	
		For Up To 10, Add	*36.40*	
		For >10 To 20, Add	*20.26*	
		For >20 To 40, Add	*11.16*	
		For >75 To 100, Deduct	*-5.58*	
		For >100 To 200, Deduct	*-12.19*	
		For >200, Deduct	*-17.77*	
07 52 16 12-0004	SQ	80 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Hot-Mopped	192.59	
		For Up To 10, Add	*46.76*	
		For >10 To 20, Add	*25.44*	
		For >20 To 40, Add	*13.75*	
		For >75 To 100, Deduct	*-6.88*	
		For >100 To 200, Deduct	*-14.78*	
		For >200, Deduct	*-21.66*	
07 52 16 12-0005	SQ	90 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Hot-Mopped	199.28	
		For Up To 10, Add	*48.10*	
		For >10 To 20, Add	*26.11*	
		For >20 To 40, Add	*14.09*	
		For >75 To 100, Deduct	*-7.04*	
		For >100 To 200, Deduct	*-15.12*	
		For >200, Deduct	*-22.16*	
07 52 16 12-0006	SQ	120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Hot-Mopped	281.92	
		For Up To 10, Add	*64.63*	
		For >10 To 20, Add	*34.38*	
		For >20 To 40, Add	*18.22*	
		For >75 To 100, Deduct	*-9.11*	
		For >100 To 200, Deduct	*-19.25*	
		For >200, Deduct	*-28.36*	
07 52 16 12-0007	SQ	125 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Ply Sheet, Hot-Mopped	365.56	
		For Up To 10, Add	*81.36*	
		For >10 To 20, Add	*42.74*	
		For >20 To 40, Add	*22.40*	
		For >75 To 100, Deduct	*-11.20*	
		For >100 To 200, Deduct	*-23.43*	
		For >200, Deduct	*-34.63*	
07 52 16 12-0008	SQ	140 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	300.15	
		For Up To 10, Add	*69.06*	
		For >10 To 20, Add	*36.79*	
		For >20 To 40, Add	*19.52*	
		For >75 To 100, Deduct	*-9.76*	
		For >100 To 200, Deduct	*-20.65*	
		For >200, Deduct	*-30.41*	
07 52 16 12-0009	SQ	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	309.14	
		For Up To 10, Add	*70.86*	
		For >10 To 20, Add	*37.69*	
		For >20 To 40, Add	*19.97*	
		For >75 To 100, Deduct	*-9.99*	
		For >100 To 200, Deduct	*-21.10*	
		For >200, Deduct	*-31.09*	
07 52 16 12-0010	SQ	125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	267.02	
		For Up To 10, Add	*62.43*	
		For >10 To 20, Add	*33.47*	
		For >20 To 40, Add	*17.87*	
		For >75 To 100, Deduct	*-8.93*	
		For >100 To 200, Deduct	*-18.99*	
		For >200, Deduct	*-27.93*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 12-0011	SQ	140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	270.91	
		For Up To 10, Add	*63.21*	
		For >10 To 20, Add	*33.86*	
		For >20 To 40, Add	*18.06*	
		For >75 To 100, Deduct	*-9.03*	
		For >100 To 200, Deduct	*-19.19*	
		For >200, Deduct	*-28.22*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 12-0012	SQ	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	306.75	
		For Up To 10, Add	*70.38*	
		For >10 To 20, Add	*37.45*	
		For >20 To 40, Add	*19.85*	
		For >75 To 100, Deduct	*-9.93*	
		For >100 To 200, Deduct	*-20.98*	
		For >200, Deduct	*-30.91*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 12-0013	SQ	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	312.73	
		For Up To 10, Add	*71.57*	
		For >10 To 20, Add	*38.04*	
		For >20 To 40, Add	*20.15*	
		For >75 To 100, Deduct	*-10.08*	
		For >100 To 200, Deduct	*-21.28*	
		For >200, Deduct	*-31.35*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 12-0014	SQ	170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	365.00	
		For Up To 10, Add	*82.03*	
		For >10 To 20, Add	*43.27*	
		For >20 To 40, Add	*22.76*	
		For >75 To 100, Deduct	*-11.38*	
		For >100 To 200, Deduct	*-23.89*	
		For >200, Deduct	*-35.27*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 12-0015	SQ	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	460.23	
		For Up To 10, Add	*101.07*	
		For >10 To 20, Add	*52.79*	
		For >20 To 40, Add	*27.53*	
		For >75 To 100, Deduct	*-13.76*	
		For >100 To 200, Deduct	*-28.65*	
		For >200, Deduct	*-42.42*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 12-0016	SQ	125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	273.51	
		For Up To 10, Add	*63.73*	
		For >10 To 20, Add	*34.12*	
		For >20 To 40, Add	*18.19*	
		For >75 To 100, Deduct	*-9.09*	
		For >100 To 200, Deduct	*-19.32*	
		For >200, Deduct	*-28.41*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 12-0017	SQ	140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	282.85	
		For Up To 10, Add	*65.60*	
		For >10 To 20, Add	*35.06*	
		For >20 To 40, Add	*18.66*	
		For >75 To 100, Deduct	*-9.33*	
		For >100 To 200, Deduct	*-19.79*	
		For >200, Deduct	*-29.11*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 12-0018	SQ	150 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	333.63	
		For Up To 10, Add	*75.75*	
		For >10 To 20, Add	*40.13*	
		For >20 To 40, Add	*21.20*	
		For >75 To 100, Deduct	*-10.60*	
		For >100 To 200, Deduct	*-22.32*	
		For >200, Deduct	*-32.92*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 12-0019	SQ	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	334.83	
		For Up To 10, Add	*75.99*	
		For >10 To 20, Add	*40.25*	
		For >20 To 40, Add	*21.26*	
		For >75 To 100, Deduct	*-10.63*	
		For >100 To 200, Deduct	*-22.38*	
		For >200, Deduct	*-33.01*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 12-0020	SQ	170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	357.53	
		For Up To 10, Add	*80.53*	
		For >10 To 20, Add	*42.52*	
		For >20 To 40, Add	*22.39*	
		For >75 To 100, Deduct	*-11.20*	
		For >100 To 200, Deduct	*-23.52*	
		For >200, Deduct	*-34.71*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 12-0021		Hot-Mopped, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing *(07 52 16 12-0001)*		
07 52 16 12-0022	SF	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.20	
07 52 16 12-0023	SF	125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	4.78	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 12-0024	SF	140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	4.81	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 12-0025	SF	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.17	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 12-0026	SF	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.23	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 12-0027	SF	170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.76	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 12-0028	SF	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	6.71	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 12-0029	SF	125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	4.84	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 12-0030	SF	140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	4.93	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 12-0031	SF	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.36	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 12-0032	SF	170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.68	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 12-0033	SF	145 Mil, Aluminum Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	7.54	
07 52 16 12-0034	SF	160 Mil, Copper Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	14.25	
07 52 16 13		**Torch-Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing** *(07 52 16)*		
07 52 16 13-0001		Torch-Applied Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing *(07 52 16 13)*		
		Note: Includes fiberglass and/or polyester reinforcement. Includes adhering the membrane with a torch.		
07 52 16 13-0002		Torch-Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 16 13-0001)*		
07 52 16 13-0003	SQ	120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Torch-Applied	287.93	
		For Up To 10, Add	*69.77*	
		For >10 To 20, Add	*37.93*	
		For >20 To 40, Add	*20.49*	
		For >75 To 100, Deduct	*-10.24*	
		For >100 To 200, Deduct	*-22.01*	
		For >200, Deduct	*-32.25*	
07 52 16 13-0004	SQ	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	258.95	
		For Up To 10, Add	*63.97*	
		For >10 To 20, Add	*35.03*	
		For >20 To 40, Add	*19.04*	
		For >75 To 100, Deduct	*-9.52*	
		For >100 To 200, Deduct	*-20.56*	
		For >200, Deduct	*-30.08*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 13-0005	SQ	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	293.00	
		For Up To 10, Add	*70.78*	
		For >10 To 20, Add	*38.44*	
		For >20 To 40, Add	*20.74*	
		For >75 To 100, Deduct	*-10.37*	
		For >100 To 200, Deduct	*-22.26*	
		For >200, Deduct	*-32.63*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 13-0006	SQ	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	447.37	
		For Up To 10, Add	*101.66*	
		For >10 To 20, Add	*53.87*	
		For >20 To 40, Add	*28.46*	
		For >75 To 100, Deduct	*-14.23*	
		For >100 To 200, Deduct	*-29.98*	
		For >200, Deduct	*-44.21*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 13-0007	SQ	150 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	268.69	
		For Up To 10, Add	*65.92*	
		For >10 To 20, Add	*36.01*	
		For >20 To 40, Add	*19.53*	
		For >75 To 100, Deduct	*-9.76*	
		For >100 To 200, Deduct	*-21.05*	
		For >200, Deduct	*-30.81*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 13-0008	SQ	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	308.84	
		For Up To 10, Add	*73.95*	
		For >10 To 20, Add	*40.02*	
		For >20 To 40, Add	*21.53*	
		For >75 To 100, Deduct	*-10.77*	
		For >100 To 200, Deduct	*-23.06*	
		For >200, Deduct	*-33.82*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 13-0009	SQ	165 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	321.70	
		For Up To 10, Add	*76.71*	
		For >10 To 20, Add	*41.44*	
		For >20 To 40, Add	*22.27*	
		For >75 To 100, Deduct	*-11.13*	
		For >100 To 200, Deduct	*-23.81*	
		For >200, Deduct	*-34.95*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 13-0010	SQ	180 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	415.41	
		For Up To 10, Add	*95.45*	
		For >10 To 20, Add	*50.82*	
		For >20 To 40, Add	*26.95*	
		For >75 To 100, Deduct	*-13.48*	
		For >100 To 200, Deduct	*-28.50*	
		For >200, Deduct	*-41.98*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	

07 52 16 13-0011 Torch-Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing *(07 52 16 13-0001)*

07 52 16 13-0012	SF	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	4.17	
07 52 16 13-0013	SF	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	4.15	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 13-0014	SF	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	5.68	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 13-0015	SF	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	4.34	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 13-0016	SF	165 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	4.42	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 13-0017	SF	180 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	5.36	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 13-0018	SF	150 Mil, Aluminum Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	5.57	
07 52 16 13-0019	SF	160 Mil, Copper Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	13.23	

07 52 16 14 Mechanically Fastened Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52 16)*

07 52 16 14-0001 Mechanically Fastened Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing *(07 52 16 14)*

Note: Includes fiberglass and/or polyester reinforcement. Includes fasteners.

07 52 16 14-0002 Mechanically Fastened, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base And Ply Sheets *(07 52 16 14-0001)*

07 52 16 14-0003	SQ	35 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Ply Sheet, Mechanically Fastened	178.60	
		For Up To 10, Add	*39.78*	
		For >10 To 20, Add	*20.90*	
		For >20 To 40, Add	*10.96*	
		For >75 To 100, Deduct	*-5.48*	
		For >100 To 200, Deduct	*-11.47*	
		For >200, Deduct	*-16.94*	
07 52 16 14-0004	SQ	50 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Mechanically Fastened	137.73	
		For Up To 10, Add	*31.60*	
		For >10 To 20, Add	*16.82*	
		For >20 To 40, Add	*8.91*	
		For >75 To 100, Deduct	*-4.46*	
		For >100 To 200, Deduct	*-9.42*	
		For >200, Deduct	*-13.88*	
07 52 16 14-0005	SQ	80 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Mechanically Fastened	177.97	
		For Up To 10, Add	*39.65*	
		For >10 To 20, Add	*20.84*	
		For >20 To 40, Add	*10.93*	
		For >75 To 100, Deduct	*-5.46*	
		For >100 To 200, Deduct	*-11.43*	
		For >200, Deduct	*-16.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 14-0006	SQ	90 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Mechanically Fastened	222.42	
		For Up To 10, Add	*48.54*	
		For >10 To 20, Add	*25.28*	
		For >20 To 40, Add	*13.15*	
		For >75 To 100, Deduct	*-6.57*	
		For >100 To 200, Deduct	*-13.66*	
		For >200, Deduct	*-20.23*	
07 52 16 14-0007	SQ	120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Mechanically Fastened	278.87	
		For Up To 10, Add	*59.83*	
		For >10 To 20, Add	*30.93*	
		For >20 To 40, Add	*15.97*	
		For >75 To 100, Deduct	*-7.99*	
		For >100 To 200, Deduct	*-16.48*	
		For >200, Deduct	*-24.46*	

07 52 16 14-0008 Mechanically Fastened, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing *(07 52 16 14-0001)*

07 52 16 14-0009	SF	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Mechanically Fastened	3.57	
07 52 16 14-0010	SF	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Mechanically Fastened	3.65	

07 52 16 15 Self-Adhering Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52 16)*

07 52 16 15-0001 Self-Adhering Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing *(07 52 16 15)*

Note: Includes fiberglass and/or polyester reinforcement. Includes removing the release film(s) from the membrane and applying the membrane.

07 52 16 15-0002 Self-Adhering, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 16 15-0001)*

07 52 16 15-0003	SQ	60 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Self-Adhering	143.74	
		For Up To 10, Add	*33.62*	
		For >10 To 20, Add	*18.03*	
		For >20 To 40, Add	*9.62*	
		For >75 To 100, Deduct	*-4.81*	
		For >100 To 200, Deduct	*-10.23*	
		For >200, Deduct	*-15.04*	
07 52 16 15-0004	SQ	70 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Self-Adhering	152.21	
		For Up To 10, Add	*35.31*	
		For >10 To 20, Add	*18.88*	
		For >20 To 40, Add	*10.05*	
		For >75 To 100, Deduct	*-5.02*	
		For >100 To 200, Deduct	*-10.66*	
		For >200, Deduct	*-15.68*	
07 52 16 15-0005	SQ	120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Self-Adhering	255.83	
		For Up To 10, Add	*56.40*	
		For >10 To 20, Add	*29.51*	
		For >20 To 40, Add	*15.41*	
		For >75 To 100, Deduct	*-7.71*	
		For >100 To 200, Deduct	*-16.07*	
		For >200, Deduct	*-23.77*	
07 52 16 15-0006	SQ	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Self-Adhering	305.48	
		For Up To 10, Add	*66.33*	
		For >10 To 20, Add	*34.48*	
		For >20 To 40, Add	*17.89*	
		For >75 To 100, Deduct	*-8.95*	
		For >100 To 200, Deduct	*-18.55*	
		For >200, Deduct	*-27.49*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 15-0007	SQ	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Self-Adhering	451.84	
		For Up To 10, Add	*95.61*	
		For >10 To 20, Add	*49.11*	
		For >20 To 40, Add	*25.21*	
		For >75 To 100, Deduct	*-12.61*	
		For >100 To 200, Deduct	*-25.87*	
		For >200, Deduct	*-38.47*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	

07 52 16 15-0008 Self-Adhering, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing *(07 52 16 15-0001)*

07 52 16 15-0009	SF	70 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Self-Adhering	4.13	
07 52 16 15-0010	SF	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Self-Adhering	4.61	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 15-0011	SF	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Self-Adhering	6.08	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	

07 53 Elastomeric Membrane Roofing *(07 50)*

Note: Includes 10 year warranty. All warranties are no dollar limit to include material, equipment and labor. Excludes concrete primer, insulation, slip sheets, wood nailers, cant strips, coping removal and reinstallation, gravel stop, walkway pads and drainage devices.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
		See CSI section 07 26 13 00-0000 for wood deck building paper.		
07 53 16		**Chlorosulfonate-Polyethylene Roofing** *(07 53)*		
07 53 16 00-0001		Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membranes *(07 53 16)* Note: Includes hot air welding or adhesive bonding of seams.		
07 53 16 00-0002	SQ	45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Fully Adhered Note: Includes adhesive.	557.53	97.45
		For Up To 10, Add	*150.49*	
		For >10 To 20, Add	*84.99*	
		For >20 To 40, Add	*47.37*	
		For >75 To 100, Deduct	*-23.68*	
		For >100 To 200, Deduct	*-52.24*	
		For >200, Deduct	*-75.92*	
		For 15 Year Warranty, Add	*3.00*	
07 53 16 00-0003	SQ	45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Ballasted Note: Includes ballast.	407.48	48.72
		For Up To 10, Add	*100.99*	
		For >10 To 20, Add	*55.37*	
		For >20 To 40, Add	*30.12*	
		For >75 To 100, Deduct	*-15.06*	
		For >100 To 200, Deduct	*-32.56*	
		For >200, Deduct	*-47.61*	
		For 15 Year Warranty, Add	*3.00*	
07 53 16 00-0004	SQ	45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	439.94	73.09
		For Up To 10, Add	*117.22*	
		For >10 To 20, Add	*65.92*	
		For >20 To 40, Add	*36.61*	
		For >75 To 100, Deduct	*-18.31*	
		For >100 To 200, Deduct	*-40.27*	
		For >200, Deduct	*-58.58*	
		For 15 Year Warranty, Add	*3.00*	
		For Mechanically Fastened To Concrete Decks, Add	*36.54*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*37.86*	
07 53 23		**Ethylene-Propylene-Diene-Monomer Roofing** *(07 53)*		
07 53 23 00-0001		Ethylene Propylene Diene Monomer (EPDM) Roofing Membranes *(07 53 23)* Note: Includes splicing of seams using adhesive or seam tape. Black ethylene propylene diene monomer (EPDM).		
07 53 23 00-0002	SQ	45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted Note: Includes ballast.	300.64	48.72
		For Up To 10, Add	*79.62*	
		For >10 To 20, Add	*44.68*	
		For >20 To 40, Add	*24.78*	
		For >75 To 100, Deduct	*-12.39*	
		For >100 To 200, Deduct	*-27.21*	
		For >200, Deduct	*-39.60*	
		For 15 Year Warranty, Add	*3.00*	
		For Low Slope Fire Rated, Add	*8.70*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*27.45*	
07 53 23 00-0003	SQ	60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted Note: Includes ballast.	384.88	51.77
		For Up To 10, Add	*97.68*	
		For >10 To 20, Add	*54.02*	
		For >20 To 40, Add	*29.60*	
		For >75 To 100, Deduct	*-14.80*	
		For >100 To 200, Deduct	*-32.19*	
		For >200, Deduct	*-46.99*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*8.70*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*27.45*	
07 53 23 00-0004	SQ	90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted Note: Includes ballast.	513.97	54.81
		For Up To 10, Add	*124.72*	
		For >10 To 20, Add	*67.84*	
		For >20 To 40, Add	*36.66*	
		For >75 To 100, Deduct	*-18.33*	
		For >100 To 200, Deduct	*-39.40*	
		For >200, Deduct	*-57.73*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*8.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 23 00-0005	SQ	45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%) Note: Includes adhesive and fasteners.	359.95	73.09
		For Up To 10, Add	*101.22*	
		For >10 To 20, Add	*57.92*	
		For >20 To 40, Add	*32.61*	
		For >75 To 100, Deduct	*-16.31*	
		For >100 To 200, Deduct	*-36.27*	
		For >200, Deduct	*-52.58*	
		For 15 Year Warranty, Add	*3.00*	
		For Low Slope Fire Rated, Add	*8.70*	
		For Low VOC Adhesive, Add	*32.54*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*27.45*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*83.02*	
		For Integral Polyester Fleece-Backing, Add	*117.38*	
07 53 23 00-0006	SQ	60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%) Note: Includes adhesive and fasteners.	444.19	76.13
		For Up To 10, Add	*119.29*	
		For >10 To 20, Add	*67.26*	
		For >20 To 40, Add	*37.44*	
		For >75 To 100, Deduct	*-18.72*	
		For >100 To 200, Deduct	*-41.24*	
		For >200, Deduct	*-59.96*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*8.70*	
		For Low VOC Adhesive, Add	*32.54*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*27.45*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*83.02*	
		For Integral Polyester Fleece-Backing, Add	*130.14*	
07 53 23 00-0007	SQ	90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%) Note: Includes adhesive and fasteners.	573.28	79.17
		For Up To 10, Add	*146.33*	
		For >10 To 20, Add	*81.08*	
		For >20 To 40, Add	*44.50*	
		For >75 To 100, Deduct	*-22.25*	
		For >100 To 200, Deduct	*-48.46*	
		For >200, Deduct	*-70.71*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*8.70*	
		For Low VOC Adhesive, Add	*32.54*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*83.02*	
		For Integral Polyester Fleece-Backing, Add	*144.06*	
07 53 23 00-0008	SQ	45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered Note: Includes adhesive and fasteners.	474.45	97.45
		For Up To 10, Add	*133.87*	
		For >10 To 20, Add	*76.68*	
		For >20 To 40, Add	*43.21*	
		For >75 To 100, Deduct	*-21.61*	
		For >100 To 200, Deduct	*-48.09*	
		For >200, Deduct	*-69.69*	
		For 15 Year Warranty, Add	*3.00*	
		For Low Slope Fire Rated, Add	*8.70*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*27.45*	
		For Low VOC Adhesive, Add	*81.35*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*83.02*	
		For Integral Polyester Fleece-Backing, Add	*117.38*	
07 53 23 00-0009	SQ	60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered Note: Includes adhesive and fasteners.	558.69	100.49
		For Up To 10, Add	*151.94*	
		For >10 To 20, Add	*86.02*	
		For >20 To 40, Add	*48.03*	
		For >75 To 100, Deduct	*-24.02*	
		For >100 To 200, Deduct	*-53.06*	
		For >200, Deduct	*-77.08*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*8.70*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*27.45*	
		For Low VOC Adhesive, Add	*81.35*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*83.02*	
		For Integral Polyester Fleece-Backing, Add	*130.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 23 00-0010	SQ	90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered Note: Includes adhesive and fasteners.	687.77	103.54
		For Up To 10, Add	*178.97*	
		For >10 To 20, Add	*99.84*	
		For >20 To 40, Add	*55.10*	
		For >75 To 100, Deduct	*-27.55*	
		For >100 To 200, Deduct	*-60.27*	
		For >200, Deduct	*-87.82*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*8.70*	
		For Low VOC Adhesive, Add	*81.35*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*83.02*	
		For Integral Polyester Fleece-Backing, Add	*144.06*	
07 53 23 00-0011	SQ	45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	332.85	73.09
		For Up To 10, Add	*95.80*	
		For >10 To 20, Add	*55.21*	
		For >20 To 40, Add	*31.26*	
		For >75 To 100, Deduct	*-15.63*	
		For >100 To 200, Deduct	*-34.91*	
		For >200, Deduct	*-50.54*	
		For 15 Year Warranty, Add	*3.00*	
		For Low Slope Fire Rated, Add	*8.70*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*27.45*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*83.02*	
		For Mechanically Fastened To Concrete Decks, Add	*36.54*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*37.86*	
07 53 23 00-0012	SQ	60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	417.09	76.13
		For Up To 10, Add	*113.87*	
		For >10 To 20, Add	*64.55*	
		For >20 To 40, Add	*36.08*	
		For >75 To 100, Deduct	*-18.04*	
		For >100 To 200, Deduct	*-39.89*	
		For >200, Deduct	*-57.93*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*8.70*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*27.45*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*83.02*	
		For Mechanically Fastened To Concrete Decks, Add	*38.07*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*39.39*	
07 53 23 00-0013	SQ	90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	546.18	79.17
		For Up To 10, Add	*140.91*	
		For >10 To 20, Add	*78.37*	
		For >20 To 40, Add	*43.15*	
		For >75 To 100, Deduct	*-21.57*	
		For >100 To 200, Deduct	*-47.10*	
		For >200, Deduct	*-68.68*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*8.70*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*83.02*	
		For Mechanically Fastened To Concrete Decks, Add	*39.59*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*40.91*	

07 53 23 00-0014 Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane Accessories *(07 53 23)*

07 53 23 00-0015	SQ	Acrylic, Ethylene Propylene Diene Monomer (EPDM) Roofing Primer, Price Per Coat	75.26	
		For Up To 10, Add	*19.92*	
		For >10 To 20, Add	*11.18*	
		For >20 To 40, Add	*6.20*	
		For >75 To 100, Deduct	*-3.10*	
		For >100 To 200, Deduct	*-6.81*	
		For >200, Deduct	*-9.91*	
07 53 23 00-0016	SQ	Acrylic Elastomeric, Surface Or Base Coating For Ethylene Propylene Diene Monomer (EPDM) Roofing, Price Per Coat Note: 55% solids by volume.	77.80	
		For Up To 10, Add	*20.43*	
		For >10 To 20, Add	*11.43*	
		For >20 To 40, Add	*6.33*	
		For >75 To 100, Deduct	*-3.16*	
		For >100 To 200, Deduct	*-6.94*	
		For >200, Deduct	*-10.10*	
07 53 23 00-0017	EA	Up To 4" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	47.86	11.57
07 53 23 00-0018	EA	>4" To 8" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	67.95	11.57
07 53 23 00-0019	EA	>8" To 13" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	125.91	11.57

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 23 00-0020	EA	6" Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Penetration Pocket Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.	166.70	12.79
07 53 23 00-0021	LF	30" Wide, Ethylene Propylene Diene Monomer (EPDM) Walkway Protection Pad Note: Includes factory installed peel and stick adhesive tape.	37.00	7.07
07 53 23 00-0022	SF	Ethylene Propylene Diene Monomer (EPDM) Membrane Base Flashing	7.08	1.82
07 53 23 00-0023	SF	Ethylene Propylene Diene Monomer (EPDM) Membrane Curb Flashing	8.90	2.74

07 53 29 Polyisobutylene Roofing *(07 53)*

07 53 29 00-0001 Polyisobutylene (PIB) Roofing Membranes *(07 53 29)*

Note: Includes integral polyester fleece-backing. Includes splicing of seams using adhesive or seam tape.

07 53 29 00-0002	SQ	100 Mil, Single Ply PIB Roofing Membrane, Ballasted Note: Includes ballast.	543.24	54.81
		For Up To 10, Add	*130.58*	
		For >10 To 20, Add	*70.77*	
		For >20 To 40, Add	*38.13*	
		For >75 To 100, Deduct	*-19.06*	
		For >100 To 200, Deduct	*-40.87*	
		For >200, Deduct	*-59.93*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
07 53 29 00-0003	SQ	100 Mil, Single Ply PIB Roofing Membrane, Partially Adhered (40%) Note: Includes adhesive.	608.70	79.17
		For Up To 10, Add	*153.41*	
		For >10 To 20, Add	*84.62*	
		For >20 To 40, Add	*46.27*	
		For >75 To 100, Deduct	*-23.14*	
		For >100 To 200, Deduct	*-50.23*	
		For >200, Deduct	*-73.37*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
07 53 29 00-0004	SQ	100 Mil, Single Ply PIB Roofing Membrane, Fully Adhered Note: Includes adhesive.	732.42	103.54
		For Up To 10, Add	*187.90*	
		For >10 To 20, Add	*104.30*	
		For >20 To 40, Add	*57.33*	
		For >75 To 100, Deduct	*-28.66*	
		For >100 To 200, Deduct	*-62.51*	
		For >200, Deduct	*-91.17*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	

07 54 Thermoplastic Membrane Roofing *(07 50)*

Note: Includes 10 year warranty. All warranties are no dollar limit to include material, equipment and labor. Excludes concrete primer, insulation, slip sheets, wood nailers, cant strips, coping removal and reinstallation, gravel stop, walkway pads and drainage devices. See CSI section 07 26 13 00-0000 for wood deck building paper.

07 54 19 Polyvinyl-Chloride Roofing *(07 54)*

07 54 19 00-0001 Reinforced Polyvinyl Chloride (RPVC) Roofing Membranes *(07 54 19)*

Note: Includes polyester fabric reinforcement and hot air welding of seams. RPVC membranes meet or exceed all of the requirements of ASTM D4434 Type III.

07 54 19 00-0002	SQ	48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted Note: Includes ballast.	233.00	48.72
		For Up To 10, Add	*66.09*	
		For >10 To 20, Add	*37.92*	
		For >20 To 40, Add	*21.40*	
		For >75 To 100, Deduct	*-10.70*	
		For >100 To 200, Deduct	*-23.83*	
		For >200, Deduct	*-34.53*	
		For 15 Year Warranty, Add	*3.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*36.82*	
07 54 19 00-0003	SQ	60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted Note: Includes ballast.	258.35	51.77
		For Up To 10, Add	*72.38*	
		For >10 To 20, Add	*41.37*	
		For >20 To 40, Add	*23.27*	
		For >75 To 100, Deduct	*-11.64*	
		For >100 To 200, Deduct	*-25.86*	
		For >200, Deduct	*-37.50*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*36.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 19 00-0004	SQ	72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted	285.99	53.29
		Note: Includes ballast.		
		For Up To 10, Add	*78.51*	
		For >10 To 20, Add	*44.59*	
		For >20 To 40, Add	*24.96*	
		For >75 To 100, Deduct	*-12.48*	
		For >100 To 200, Deduct	*-27.62*	
		For >200, Deduct	*-40.10*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*36.82*	
07 54 19 00-0005	SQ	80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted	299.75	54.81
		Note: Includes ballast.		
		For Up To 10, Add	*81.88*	
		For >10 To 20, Add	*46.42*	
		For >20 To 40, Add	*25.95*	
		For >75 To 100, Deduct	*-12.98*	
		For >100 To 200, Deduct	*-28.69*	
		For >200, Deduct	*-41.67*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*36.82*	
07 54 19 00-0006	SQ	48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered	450.89	97.45
		Note: Includes adhesive.		
		For Up To 10, Add	*129.16*	
		For >10 To 20, Add	*74.32*	
		For >20 To 40, Add	*42.03*	
		For >75 To 100, Deduct	*-21.02*	
		For >100 To 200, Deduct	*-46.91*	
		For >200, Deduct	*-67.92*	
		For 15 Year Warranty, Add	*3.00*	
		For Colors, Add	*26.00*	
		For Low VOC Adhesive, Add	*83.59*	
		For Integral Polyester Fleece-Backing, Add	*36.82*	
07 54 19 00-0007	SQ	60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered	476.23	100.49
		Note: Includes adhesive.		
		For Up To 10, Add	*135.44*	
		For >10 To 20, Add	*77.77*	
		For >20 To 40, Add	*43.91*	
		For >75 To 100, Deduct	*-21.96*	
		For >100 To 200, Deduct	*-48.94*	
		For >200, Deduct	*-70.89*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Low VOC Adhesive, Add	*83.59*	
		For Integral Polyester Fleece-Backing, Add	*36.82*	
07 54 19 00-0008	SQ	72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered	503.88	102.01
		Note: Includes adhesive.		
		For Up To 10, Add	*141.58*	
		For >10 To 20, Add	*80.99*	
		For >20 To 40, Add	*45.60*	
		For >75 To 100, Deduct	*-22.80*	
		For >100 To 200, Deduct	*-50.70*	
		For >200, Deduct	*-73.50*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Low VOC Adhesive, Add	*83.59*	
		For Integral Polyester Fleece-Backing, Add	*36.82*	
07 54 19 00-0009	SQ	80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered	517.63	103.54
		Note: Includes adhesive.		
		For Up To 10, Add	*144.94*	
		For >10 To 20, Add	*82.83*	
		For >20 To 40, Add	*46.59*	
		For >75 To 100, Deduct	*-23.29*	
		For >100 To 200, Deduct	*-51.77*	
		For >200, Deduct	*-75.06*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Low VOC Adhesive, Add	*83.59*	
		For Integral Polyester Fleece-Backing, Add	*36.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 19 00-0010	SQ	48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	256.96	73.09
		For Up To 10, Add	*80.63*	
		For >10 To 20, Add	*47.62*	
		For >20 To 40, Add	*27.47*	
		For >75 To 100, Deduct	*-13.73*	
		For >100 To 200, Deduct	*-31.12*	
		For >200, Deduct	*-44.85*	
		For 15 Year Warranty, Add	*3.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*36.82*	
		For Mechanically Fastened To Concrete Decks, Add	*36.54*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*37.86*	
07 54 19 00-0011	SQ	60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	282.31	76.13
		For Up To 10, Add	*86.91*	
		For >10 To 20, Add	*51.07*	
		For >20 To 40, Add	*29.34*	
		For >75 To 100, Deduct	*-14.67*	
		For >100 To 200, Deduct	*-33.15*	
		For >200, Deduct	*-47.82*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*36.82*	
		For Mechanically Fastened To Concrete Decks, Add	*38.07*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*39.39*	
07 54 19 00-0012	SQ	72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	309.97	77.65
		For Up To 10, Add	*93.06*	
		For >10 To 20, Add	*54.29*	
		For >20 To 40, Add	*31.03*	
		For >75 To 100, Deduct	*-15.51*	
		For >100 To 200, Deduct	*-34.91*	
		For >200, Deduct	*-50.43*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*36.82*	
		For Mechanically Fastened To Concrete Decks, Add	*38.83*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*40.15*	
07 54 19 00-0013	SQ	80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	323.71	79.17
		For Up To 10, Add	*96.41*	
		For >10 To 20, Add	*56.13*	
		For >20 To 40, Add	*32.02*	
		For >75 To 100, Deduct	*-16.01*	
		For >100 To 200, Deduct	*-35.98*	
		For >200, Deduct	*-51.99*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*36.82*	
		For Mechanically Fastened To Concrete Decks, Add	*39.59*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*40.91*	

07 54 19 00-0014 Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane Accessories *(07 54 19)*

07 54 19 00-0015	SQ	Acrylic, Polyvinyl Chloride (PVC) Roofing Cleaner/Primer, Price Per Coat	75.26	
		For Up To 10, Add	*19.92*	
		For >10 To 20, Add	*11.18*	
		For >20 To 40, Add	*6.20*	
		For >75 To 100, Deduct	*-3.10*	
		For >100 To 200, Deduct	*-6.81*	
		For >200, Deduct	*-9.91*	
07 54 19 00-0016	SQ	Acrylic Elastomeric, Surface Or Base Coating For Polyvinyl Chloride (PVC) Roofing, Price Per Coat Note: 55% solids by volume.	77.80	
		For Up To 10, Add	*20.43*	
		For >10 To 20, Add	*11.43*	
		For >20 To 40, Add	*6.33*	
		For >75 To 100, Deduct	*-3.16*	
		For >100 To 200, Deduct	*-6.94*	
		For >200, Deduct	*-10.10*	
07 54 19 00-0017	EA	Up To 3" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	78.32	10.35
07 54 19 00-0018	EA	>3" To 7" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	109.62	11.57
07 54 19 00-0019	EA	>7" To 12" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	139.99	12.79
07 54 19 00-0020	EA	6" Diameter, Prefabricated Polyvinyl Chloride (PVC) Penetration Pocket Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.	177.71	12.79
07 54 19 00-0021	LF	36" Wide, Polyvinyl Chloride (PVC) Walkway Protection Pad	31.82	7.07
07 54 19 00-0022	SF	Polyvinyl Chloride (PVC) Membrane Base Flashing	8.39	1.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 19 00-0023	SF	Polyvinyl Chloride (PVC) Membrane Curb Flashing	10.21	2.74
07 54 19 00-0024	SF	Polyvinyl Chloride (PVC) Clad Edge Metal Or Base Flashing	11.27	1.82
		Note: 20 Mil polyvinyl chloride (PVC) membrane laminated to 24 gauge galvanized steel.		

07 54 19 00-0025 Reinforced Polyvinyl Chloride (RPVC) Roofing Membranes (Sika Sarnafil® EnergySmart Roof® Membranes) *(07 54 19)*

07 54 19 00-0026 Reinforced Polyvinyl Chloride (RPVC) Roofing Membranes (Sika Sarnafil® EnergySmart Roof® Membranes) *(07 54 19 00-0025)*

Note: Includes integral fiberglass mat reinforcement and hot air welding of seams. Sarnafil® G410 fully adhered membranes meet or exceed all of the requirements of ASTM D4434 Type II. Sarnafil® S327 mechanically attached membranes meet or exceed all of the requirements of ASTM D4434 Type III.

07 54 19 00-0027	SQ	48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane (Sika Sarnafil® EnergySmart Roof® Membranes), Fully Adhered	535.22	97.45
		Note: Includes adhesive.		
		For Up To 10, Add	*146.02*	
		For >10 To 20, Add	*82.76*	
		For >20 To 40, Add	*46.25*	
		For >75 To 100, Deduct	*-23.13*	
		For >100 To 200, Deduct	*-51.12*	
		For >200, Deduct	*-74.25*	
		For 15 Year Warranty, Add	*3.71*	
		For 20 Year Warranty, Add	*12.99*	
		For 25 Year Warranty, Add	*24.12*	
		For Integral Felt Backing, Add	*64.91*	
07 54 19 00-0028	SQ	60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane (Sika Sarnafil® EnergySmart Roof® Membranes), Fully Adhered	574.81	100.49
		Note: Includes adhesive.		
		For Up To 10, Add	*155.16*	
		For >10 To 20, Add	*87.63*	
		For >20 To 40, Add	*48.84*	
		For >75 To 100, Deduct	*-24.42*	
		For >100 To 200, Deduct	*-53.86*	
		For >200, Deduct	*-78.28*	
		For 15 Year Warranty, Add	*3.71*	
		For 20 Year Warranty, Add	*12.99*	
		For 25 Year Warranty, Add	*24.12*	
		For Integral Felt Backing, Add	*64.91*	
07 54 19 00-0029	SQ	72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane (Sika Sarnafil® EnergySmart Roof® Membranes), Fully Adhered	613.45	102.01
		Note: Includes adhesive.		
		For Up To 10, Add	*163.50*	
		For >10 To 20, Add	*91.95*	
		For >20 To 40, Add	*51.08*	
		For >75 To 100, Deduct	*-25.54*	
		For >100 To 200, Deduct	*-56.18*	
		For >200, Deduct	*-81.71*	
		For 15 Year Warranty, Add	*3.71*	
		For 20 Year Warranty, Add	*12.99*	
		For 25 Year Warranty, Add	*24.12*	
		For Integral Felt Backing, Add	*64.91*	
07 54 19 00-0030	SQ	80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane (Sika Sarnafil® EnergySmart Roof® Membranes), Fully Adhered	654.19	103.54
		Note: Includes adhesive.		
		For Up To 10, Add	*172.25*	
		For >10 To 20, Add	*96.48*	
		For >20 To 40, Add	*53.42*	
		For >75 To 100, Deduct	*-26.71*	
		For >100 To 200, Deduct	*-58.59*	
		For >200, Deduct	*-85.30*	
		For 15 Year Warranty, Add	*3.71*	
		For 20 Year Warranty, Add	*12.99*	
		For 25 Year Warranty, Add	*24.12*	
		For Integral Felt Backing, Add	*64.91*	
07 54 19 00-0031	SQ	48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane (Sika Sarnafil® EnergySmart Roof® Membranes), Mechanically Fastened	433.02	73.09
		Note: Includes fasteners and plates for mechanically fastening to wood or steel decks.		
		For Up To 10, Add	*115.84*	
		For >10 To 20, Add	*65.23*	
		For >20 To 40, Add	*36.27*	
		For >75 To 100, Deduct	*-18.13*	
		For >100 To 200, Deduct	*-39.92*	
		For >200, Deduct	*-58.06*	
		For Mechanically Fastened To Concrete Decks, Add	*36.54*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*37.86*	
		For 15 Year Warranty, Add	*3.71*	
		For 20 Year Warranty, Add	*12.99*	
		For 25 Year Warranty, Add	*24.12*	
		For Integral Felt Backing, Add	*64.91*	
		For Mechanically Fastened With Sarnabar, Add	*38.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 19 00-0032	SQ	60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane (Sika Sarnafil® EnergySmart Roof® Membranes), Mechanically Fastened	472.61	76.13
		Note: Includes fasteners and plates for mechanically fastening to wood or steel decks.		
		For Up To 10, Add	*124.97*	
		For >10 To 20, Add	*70.10*	
		For >20 To 40, Add	*38.86*	
		For >75 To 100, Deduct	*-19.43*	
		For >100 To 200, Deduct	*-42.66*	
		For >200, Deduct	*-62.09*	
		For Mechanically Fastened To Concrete Decks, Add	*38.07*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*39.39*	
		For 15 Year Warranty, Add	*3.71*	
		For 20 Year Warranty, Add	*12.99*	
		For 25 Year Warranty, Add	*24.12*	
		For Integral Felt Backing, Add	*64.91*	
		For Mechanically Fastened With Sarnabar, Add	*38.13*	
07 54 19 00-0033	SQ	72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane (Sika Sarnafil® EnergySmart Roof® Membranes), Mechanically Fastened	511.26	77.65
		Note: Includes fasteners and plates for mechanically fastening to wood or steel decks.		
		For Up To 10, Add	*133.31*	
		For >10 To 20, Add	*74.42*	
		For >20 To 40, Add	*41.09*	
		For >75 To 100, Deduct	*-20.55*	
		For >100 To 200, Deduct	*-44.98*	
		For >200, Deduct	*-65.52*	
		For Mechanically Fastened To Concrete Decks, Add	*38.83*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*40.15*	
		For 15 Year Warranty, Add	*3.71*	
		For 20 Year Warranty, Add	*12.99*	
		For 25 Year Warranty, Add	*24.12*	
		For Integral Felt Backing, Add	*64.91*	
		For Mechanically Fastened With Sarnabar, Add	*38.13*	
07 54 19 00-0034	SQ	80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane (Sika Sarnafil® EnergySmart Roof® Membranes), Mechanically Fastened	552.00	79.17
		Note: Includes fasteners and plates for mechanically fastening to wood or steel decks.		
		For Up To 10, Add	*142.07*	
		For >10 To 20, Add	*78.95*	
		For >20 To 40, Add	*43.44*	
		For >75 To 100, Deduct	*-21.72*	
		For >100 To 200, Deduct	*-47.40*	
		For >200, Deduct	*-69.11*	
		For Mechanically Fastened To Concrete Decks, Add	*39.59*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*40.91*	
		For 15 Year Warranty, Add	*3.71*	
		For 20 Year Warranty, Add	*12.99*	
		For 25 Year Warranty, Add	*24.12*	
		For Integral Felt Backing, Add	*64.91*	
		For Mechanically Fastened With Sarnabar, Add	*38.13*	

07 54 19 00-0035 Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane Accessories (Sika Sarnafil® EnergySmart Roof® Membranes) *(07 54 19 00-0025)*

07 54 19 00-0036	LF	3/4" Wide Multi-Purpose Tape (Sika Sarnafil®)	1.23	
07 54 19 00-0037	LF	Roofing Membrane Aluminum Termination Bar (Sika Sarnafil® Sarnastop)	5.63	1.75
		Note: Includes fasteners and caulking.		
07 54 19 00-0038	EA	4-1/2" Diameter, Polyvinyl Chloride (PVC) Membrane Prefabricated Patch (Sika Sarnafil® Sarnacircles)	5.82	1.52
07 54 19 00-0039	LF	8" Polyvinyl Chloride (PVC) Membrane Cover Strip (Sika Sarnafil® Coverstrip)	6.39	1.52
		Note: Includes aluminum tape.		
07 54 19 00-0040	LF	12" Polyvinyl Chloride (PVC) Membrane Cover Strip (Sika Sarnafil® Coverstrip)	6.39	1.52
		Note: Includes aluminum tape.		
07 54 19 00-0041	LF	Surface Mount Vertical Termination Bar (Sika Sarnafil® Sarnareglet)	8.56	1.95
		Note: Includes fasteners, splice plates and caulking.		
07 54 19 00-0042	SF	Polyvinyl Chloride (PVC) Membrane Flashing (Sika Sarnafil® G459)	8.95	1.82
07 54 19 00-0043	SF	Polyvinyl Chloride (PVC) Membrane Flashing (Sika Sarnafil® Detail Membrane)	10.76	2.74
07 54 19 00-0044	SF	Polyvinyl Chloride (PVC) Clad Edge Metal Or Base Flashing (Sika Sarnafil® Sarnaclad)	12.93	1.82
		Note: 20 Mil white polyvinyl chloride (PVC) membrane laminated to 24 gauge galvanized steel.		
		For Colored PVC, Add	*1.34*	
07 54 19 00-0045	LF	39" Wide, 96 Mil, Polyester Reinforced, Polyvinyl Chloride (PVC) Walkway Protection Pad (Sika Sarnafil® Sarnatred -V)	34.73	7.07
07 54 19 00-0046	EA	Up To 3" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot (Sika Sarnafil® Sarnastack)	92.94	10.35
		Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 19 00-0047	EA	>3" To 5" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot (Sika Sarnafil® Sarnastack)	95.38	11.57
		Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 19 00-0048	EA	>5" To 7" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot (Sika Sarnafil® Sarnastack)	97.82	12.79
		Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 19 00-0049	EA	6" Diameter, Seamless Heavy-Duty Aluminum Roof Drain (Sika Sarnafil® Sarnadrain With U-Flow®)	1,321.13	215.58
07 54 19 00-0050	EA	Inside Corner, Prefabricated Polyvinyl Chloride (PVC) Membrane Flashing (Sika Sarnafil® Sarnacorners - Inside)	26.99	
07 54 19 00-0051	EA	Outside Corner, Prefabricated Polyvinyl Chloride (PVC) Membrane Flashing (Sika Sarnafil® Sarnacorners - Outside)	26.99	
07 54 19 00-0052	SQ	9 OZ/SY, Protective Polypropylene Fabric Separation Layer (Sika Sarnafil® Sarnafelt NWP), Loose Laid	64.53	
07 54 19 00-0053	SQ	11 OZ/SY, Protective Polypropylene Fabric Separation Layer (Sika Sarnafil® Sarnafelt), Loose Laid	101.05	
07 54 19 00-0054	SQ	10 Mil, Low Density Polyethylene, Vapor/Air Barrier Sheet (Sika Sarnafil® Sarnavap - 10), Loose Laid	56.25	
07 54 19 00-0055	SQ	32 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Vapor/Air Barrier Sheet (Sika Sarnafil® Sarnavap Self-Adhered), Self-Adhering	158.76	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 19 00-0056		Snap-On Cover Fascia (Sika Sarnafil® Edge Grip) *(07 54 19 00-0025)*		
07 54 19 00-0057		Aluminum Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) *(07 54 19 00-0056)*		
07 54 19 00-0058		Mill Finish, Aluminum Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) *(07 54 19 00-0057)*		
07 54 19 00-0059		Mill Finish, Aluminum Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) *(07 54 19 00-0058)*		
07 54 19 00-0060	LF	8.25" Face Height, Mill Finish, Aluminum Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip)	22.32	3.50
07 54 19 00-0061		Accessories For Mill Finish, Aluminum Snap-On Cover Fascia Systems *(07 54 19 00-0058)*		
07 54 19 00-0062	EA	Fascia Overflow Scupper For 8.25" Face Height, Mill Finish, Aluminum Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip)	138.53	12.97
07 54 19 00-0063	EA	Fascia Spillout Scupper For 8.25" Face Height, Mill Finish, Aluminum Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip)	138.53	12.97
07 54 19 00-0064	EA	Fascia Downspout Scupper For 8.25" Face Height, Mill Finish, Aluminum Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip)	169.15	12.97
07 54 19 00-0065	EA	Inside/Outside Miter For 8.25" Face Height, Mill Finish, Aluminum Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip)	63.85	3.50
07 54 19 00-0066		KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) *(07 54 19 00-0057)*		
07 54 19 00-0067		KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) *(07 54 19 00-0066)*		
07 54 19 00-0068	LF	8.25" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip)	25.86	3.50
07 54 19 00-0069		Accessories For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems *(07 54 19 00-0066)*		
07 54 19 00-0070	EA	Fascia Overflow Scupper For 8.25" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip)	145.60	12.97
07 54 19 00-0071	EA	Fascia Spillout Scupper For 8.25" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip)	145.60	12.97
07 54 19 00-0072	EA	Fascia Downspout Scupper For 8.25" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip)	183.29	12.97
07 54 19 00-0073	EA	Inside/Outside Miter For 8.25" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip)	70.94	3.50
07 54 19 00-0074		Galvanized Steel Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) *(07 54 19 00-0056)*		
07 54 19 00-0075		KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) *(07 54 19 00-0074)*		
07 54 19 00-0076		KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) *(07 54 19 00-0075)*		
07 54 19 00-0077	LF	8.25" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip)	23.14	3.50
07 54 19 00-0078		Accessories For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip) *(07 54 19 00-0075)*		
07 54 19 00-0079	EA	Fascia Overflow Scupper For 8.25" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip)	140.16	12.97
07 54 19 00-0080	EA	Fascia Spillout Scupper For 8.25" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip)	140.16	12.97
07 54 19 00-0081	EA	Fascia Downspout Scupper For 8.25" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip)	172.42	12.97
07 54 19 00-0082	EA	Inside/Outside Miter For 8.25" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip)	65.48	3.50

07 54 23 Thermoplastic-Polyolefin Roofing *(07 54)*

07 54 23 00-0001 Thermoplastic Polyolefin (TPO) Roofing Membranes *(07 54 23)*
Note: Includes polyester fabric reinforcement and hot air welding of seams.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 23 00-0002	SQ	45 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Fully Adhered Note: Includes adhesive.	465.62	97.45
		For Up To 10, Add	*132.10*	
		For >10 To 20, Add	*75.80*	
		For >20 To 40, Add	*42.77*	
		For >75 To 100, Deduct	*-21.39*	
		For >100 To 200, Deduct	*-47.64*	
		For >200, Deduct	*-69.03*	
		For 15 Year Warranty, Add	*3.00*	
		For Low VOC Adhesive, Add	*81.35*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
07 54 23 00-0003	SQ	50 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Fully Adhered Note: Includes adhesive.	486.90	98.97
		For Up To 10, Add	*136.97*	
		For >10 To 20, Add	*78.38*	
		For >20 To 40, Add	*44.14*	
		For >75 To 100, Deduct	*-22.07*	
		For >100 To 200, Deduct	*-49.09*	
		For >200, Deduct	*-71.16*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low VOC Adhesive, Add	*81.35*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
07 54 23 00-0004	SQ	60 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Fully Adhered Note: Includes adhesive.	498.07	100.49
		For Up To 10, Add	*139.81*	
		For >10 To 20, Add	*79.96*	
		For >20 To 40, Add	*45.00*	
		For >75 To 100, Deduct	*-22.50*	
		For >100 To 200, Deduct	*-50.03*	
		For >200, Deduct	*-72.53*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low VOC Adhesive, Add	*81.35*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
07 54 23 00-0005	SQ	80 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Fully Adhered Note: Includes adhesive.	639.57	103.54
		For Up To 10, Add	*169.33*	
		For >10 To 20, Add	*95.02*	
		For >20 To 40, Add	*52.69*	
		For >75 To 100, Deduct	*-26.34*	
		For >100 To 200, Deduct	*-57.86*	
		For >200, Deduct	*-84.21*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low VOC Adhesive, Add	*81.35*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
07 54 23 00-0006	SQ	45 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	311.22	73.09
		For Up To 10, Add	*91.48*	
		For >10 To 20, Add	*53.05*	
		For >20 To 40, Add	*30.18*	
		For >75 To 100, Deduct	*-15.09*	
		For >100 To 200, Deduct	*-33.83*	
		For >200, Deduct	*-48.92*	
		For 15 Year Warranty, Add	*3.00*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
		For Mechanically Fastened To Concrete Decks, Add	*36.54*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*37.86*	
07 54 23 00-0007	SQ	50 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	332.51	74.61
		For Up To 10, Add	*96.35*	
		For >10 To 20, Add	*55.63*	
		For >20 To 40, Add	*31.55*	
		For >75 To 100, Deduct	*-15.77*	
		For >100 To 200, Deduct	*-35.28*	
		For >200, Deduct	*-51.05*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
		For Mechanically Fastened To Concrete Decks, Add	*37.31*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*38.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 23 00-0008	SQ	60 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	343.66	76.13
		For Up To 10, Add	*99.18*	
		For >10 To 20, Add	*57.21*	
		For >20 To 40, Add	*32.41*	
		For >75 To 100, Deduct	*-16.20*	
		For >100 To 200, Deduct	*-36.22*	
		For >200, Deduct	*-52.42*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
		For Mechanically Fastened To Concrete Decks, Add	*38.07*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*39.39*	
07 54 23 00-0009	SQ	80 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	485.18	79.17
		For Up To 10, Add	*128.71*	
		For >10 To 20, Add	*72.27*	
		For >20 To 40, Add	*40.10*	
		For >75 To 100, Deduct	*-20.05*	
		For >100 To 200, Deduct	*-44.05*	
		For >200, Deduct	*-64.10*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
		For Mechanically Fastened To Concrete Decks, Add	*39.59*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*40.91*	
07 54 23 00-0010		Thermoplastic Polyolefin (TPO) Roofing Membrane Accessories *(07 54 23)*		
07 54 23 00-0011	SQ	Acrylic, Thermoplastic Polyolefin (TPO) Roofing Primer, Price Per Coat	89.26	
		For Up To 10, Add	*22.72*	
		For >10 To 20, Add	*12.58*	
		For >20 To 40, Add	*6.90*	
		For >75 To 100, Deduct	*-3.45*	
		For >100 To 200, Deduct	*-7.51*	
		For >200, Deduct	*-10.96*	
07 54 23 00-0012	SQ	Acrylic Elastomeric, Surface Or Base Coating For Thermoplastic Polyolefin (TPO) Roofing, Price Per Coat Note: 55% solids by volume.	77.80	
		For Up To 10, Add	*20.43*	
		For >10 To 20, Add	*11.43*	
		For >20 To 40, Add	*6.33*	
		For >75 To 100, Deduct	*-3.16*	
		For >100 To 200, Deduct	*-6.94*	
		For >200, Deduct	*-10.10*	
		For Tan Or Gray Color, Add	*2.67*	
07 54 23 00-0013	EA	Up To 3" Pipe Diameter, Prefabricated Thermoplastic Polyolefin (TPO) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	67.62	10.35
07 54 23 00-0014	EA	>3" To 8" Pipe Diameter, Prefabricated Thermoplastic Polyolefin (TPO) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	73.04	11.57
07 54 23 00-0015	EA	6" Diameter, Prefabricated Thermoplastic Polyolefin (TPO) Penetration Pocket Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.	133.18	12.79
07 54 23 00-0016	LF	30" Wide, Thermoplastic Polyolefin (TPO) Walkway Protection Pad	31.43	7.07
07 54 23 00-0017	SF	Thermoplastic Polyolefin (TPO) Membrane Base Flashing	8.76	1.82
07 54 23 00-0018	SF	Thermoplastic Polyolefin (TPO) Curb Flashing	7.68	1.82
		For Tan Or Gray Color, Add	*0.11*	
07 54 23 00-0019	SF	Thermoplastic Polyolefin (TPO) Clad Edge Metal Or Base Flashing Note: 20 Mil TPO membrane laminated to 24 gauge galvanized steel.	12.74	1.82

07 55 Protected Membrane Roofing *(07 50)*

07 55 52 Modified Bituminous Protected Membrane Roofing *(07 55)*

07 55 52 13 Atactic-Polypropylene Modified Bituminous Protected Membrane Roofing *(07 55 52)*

See CSI section 07 22 16 00-0000 for roof board insulation, 07 51 13 00-0039 for gravel roof ballast, 07 52 13 00-0000 for atactic-polypropylene modified bituminous membrane roofing.

07 55 52 16 Styrene-Butadiene-Styrene Modified Bituminous Protected Membrane Roofing *(07 55 52)*

See CSI section 07 22 16 00-0000 for roof board insulation, 07 51 13 00-0039 for gravel roof ballast, 07 52 16 00-0000 for styrene-butadiene-styrene modified bituminous membrane roofing.

07 56 Fluid-Applied Roofing *(07 50)*

07 56 00 00-0001		Neoprene Hypalon Liquid Roofing, 5 Coats *(07 56)*		
07 56 00 00-0002	SQ	60 Mil 5 Coat Spray-on Neoprene Hypalon Liquid Roofing	1,114.24	162.46
		For Each Additional Coat, Add	*167.14*	
07 56 00 00-0003		Vinyl Spray Liquid Roofing *(07 56)*		
07 56 00 00-0004	SQ	2 Mil Vinyl Liquid Roofing	1,318.07	171.21
07 56 00 00-0005	SQ	4 Mil Vinyl Liquid Roofing	1,474.90	191.20

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 56 00 00-0006		**Silicone Elastomeric Liquid Roofing** *(07 56)*		
07 56 00 00-0007	SQ	65% Solids, Silicone Elastomeric Spray-on Roofing, 3 Coats, 16 Mil Per Coat	470.26	98.10
07 56 00 00-0008	SQ	65% Solids, Silicone Elastomeric Rolled-on Roofing, 3 Coats, 16 Mil Per Coat	565.34	98.10
07 56 00 00-0009	SQ	65% Solids, Silicone Elastomeric Brushed-on Roofing, 3 Coats, 16 Mil Per Coat	636.84	98.10
07 56 00 00-0010		**Urethane Liquid Roofing Membrane** *(07 56)*		
		Note: Garland White Knight Energy Star single component urethane restoration system. 10 year warranty. Used for restoration of membrane, built up, metal and modified roofing systems.		
07 56 00 00-0011	SQ	Ulti-Mat™ 38" Non-Woven Fiberglass Reinforcing Membrane For White-Knight Systems	101.28	
07 56 00 00-0012	LF	Ulti-Mat™ 6" Non-Woven Fiberglass Reinforcing Membrane For White-Knight Systems	5.76	
07 56 00 00-0013	SQ	White-Knight® Premium Multi-Purpose Urethane Restoration Reflective Coating For Metal, Membrane, BUR, Single-Ply (2 GAL/SQ)	386.13	
07 56 00 00-0014	SQ	White-Knight® Metal Primer One Component Metal Primer For Placement Under The White-Knight System	100.01	
07 56 00 00-0015	SQ	White-Knight® Plus High Strength, Multi-Purpose Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply	950.70	
07 56 00 00-0016	SQ	White-Knight® Plus Base Coat High Strength, Multi-Purpose Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply	1,436.20	
07 56 00 00-0017	SQ	White-Knight® Plus WC High Strength, Multi-Purpose, VOC Compliant, Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply	983.50	
07 56 00 00-0018	SQ	White-Star Premium, White Polyurea Restoration Adhesive For Mineral And Smooth Modified And BUR (2 GAL/SQ)	254.69	
07 56 00 00-0019	SQ	White-Star Premium, White Polyurea Restoration Adhesive For Mineral And Smooth Modified And BUR (2 GAL/SQ) With 3/8" Glacial Gravel Surfacing At 125 LBS/SQ	992.26	

07 57 Coated Foamed Roofing *(07 50)*

07 57 13 Sprayed Polyurethane Foam Roofing *(07 57)*

Note: Includes power washing. Excludes ballast removal and priming metal surfaces. Excludes walkways.

07 57 13 00-0001		**Sprayed Polyurethane Foam Roofing Systems** *(07 57 13)*		
07 57 13 00-0002		**Sprayed Polyurethane Foam Roofing Systems With Acrylic Elastomeric Coating** *(07 57 13 00-0001)*		
07 57 13 00-0003		**Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating** *(07 57 13 00-0002)*		
		Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with acrylic elastomeric coating. Includes 5 year warranty.		
07 57 13 00-0004	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	410.50	60.54
07 57 13 00-0005	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	493.05	64.87
07 57 13 00-0006	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	575.60	69.20
07 57 13 00-0007	SQ	2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	666.38	73.52
07 57 13 00-0008	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	757.17	77.84
07 57 13 00-0009	SQ	3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	831.47	82.17
07 57 13 00-0010	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	905.79	86.50
07 57 13 00-0011	SQ	4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	988.34	90.82
07 57 13 00-0012	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	1,070.89	95.14
07 57 13 00-0013	SQ	5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	1,153.43	99.47
07 57 13 00-0014	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	1,235.97	103.79
07 57 13 00-0015		**Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating** *(07 57 13 00-0002)*		
		Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with acrylic elastomeric coating. Includes 10 year warranty.		
07 57 13 00-0016	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	423.32	60.54
07 57 13 00-0017	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	505.86	64.87
07 57 13 00-0018	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	588.42	69.20
07 57 13 00-0019	SQ	2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	670.96	73.52
07 57 13 00-0020	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	753.51	77.84
07 57 13 00-0021	SQ	3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	836.05	82.17

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 57 13 00-0022	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	918.60	86.50
07 57 13 00-0023	SQ	4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	1,001.16	90.82
07 57 13 00-0024	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	1,083.70	95.14
07 57 13 00-0025	SQ	5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	1,166.25	99.47
07 57 13 00-0026	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	1,248.79	103.79

07 57 13 00-0027 Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating *(07 57 13 00-0002)*

Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with acrylic elastomeric coating. Includes 15 year warranty.

07 57 13 00-0028	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	454.44	60.54
07 57 13 00-0029	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	534.24	64.87
07 57 13 00-0030	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	614.05	69.20
07 57 13 00-0031	SQ	2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	696.59	73.52
07 57 13 00-0032	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	779.14	77.84
07 57 13 00-0033	SQ	3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	895.92	82.17
07 57 13 00-0034	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	1,012.71	86.50
07 57 13 00-0035	SQ	4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	1,102.22	90.82
07 57 13 00-0036	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	1,191.73	95.14
07 57 13 00-0037	SQ	5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	1,281.23	99.47
07 57 13 00-0038	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	1,370.73	103.79

07 57 13 00-0039 Sprayed Polyurethane Foam Roofing Systems With Silicone Elastomeric Coating *(07 57 13 00-0001)*

07 57 13 00-0040 Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating *(07 57 13 00-0039)*

Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 5 year warranty.

07 57 13 00-0041	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	463.60	60.54
07 57 13 00-0042	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	553.10	64.87
07 57 13 00-0043	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	642.61	69.20
07 57 13 00-0044	SQ	2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	732.11	73.52
07 57 13 00-0045	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	821.62	77.84
07 57 13 00-0046	SQ	3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	911.12	82.17
07 57 13 00-0047	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	1,000.63	86.50
07 57 13 00-0048	SQ	4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	1,090.14	90.82
07 57 13 00-0049	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	1,179.64	95.14
07 57 13 00-0050	SQ	5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	1,269.14	99.47
07 57 13 00-0051	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	1,358.64	103.79

07 57 13 00-0052 Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating *(07 57 13 00-0039)*

Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 10 year warranty.

07 57 13 00-0053	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	481.72	60.54
07 57 13 00-0054	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	571.23	64.87
07 57 13 00-0055	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	660.74	69.20
07 57 13 00-0056	SQ	2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	750.24	73.52

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 57 13 00-0057	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	839.74	77.84
07 57 13 00-0058	SQ	3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	929.24	82.17
07 57 13 00-0059	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	1,018.75	86.50
07 57 13 00-0060	SQ	4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	1,108.27	90.82
07 57 13 00-0061	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	1,197.77	95.14
07 57 13 00-0062	SQ	5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	1,287.27	99.47
07 57 13 00-0063	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	1,376.77	103.79

07 57 13 00-0064 Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating *(07 57 13 00-0039)*

Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 15 year warranty.

07 57 13 00-0065	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	495.82	60.54
07 57 13 00-0066	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	585.32	64.87
07 57 13 00-0067	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	674.84	69.20
07 57 13 00-0068	SQ	2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	764.34	73.52
07 57 13 00-0069	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	853.84	77.84
07 57 13 00-0070	SQ	3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	943.34	82.17
07 57 13 00-0071	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	1,032.85	86.50
07 57 13 00-0072	SQ	4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	1,122.36	90.82
07 57 13 00-0073	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	1,211.87	95.14
07 57 13 00-0074	SQ	5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	1,301.37	99.47
07 57 13 00-0075	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	1,390.87	103.79

07 58 Roll Roofing *(07 50)*

07 58 00 00-0001 Prepared Roll Roofing *(07 58)*

Note: Fastened with roofing nails and roofing cement. Includes fasteners and adhesive. Excludes warranty. See CSI section 07 51 13 00-0033 for underlayment.

07 58 00 00-0002	SQ	Granule Surfaced, 90 Lb., Asphalt Saturated Organic Felt Roll Roofing	262.68	38.73

07 59 Membrane Roofing Termination Bar *(07 50)*

07 59 00 00-0001 Membrane Roofing Termination Bar *(07 59)*

07 59 00 00-0002	LF	Membrane Roofing Termination Bar Note: Includes fasteners and caulking.	5.40	1.75

07 60 Flashing and Sheet Metal *(07)*

07 61 Sheet Metal Roofing *(07 60)*

07 61 13 Standing Seam Sheet Metal Roofing *(07 61)*

07 61 13 00-0001 Standing Seam Concealed Fastener Roofing *(07 61 13)*

07 61 13 00-0002 Copper Standing Seam Concealed Fastener Roofing *(07 61 13 00-0001)*

07 61 13 00-0003	SF	Architectural 16 Ounce Copper Standing Seam Concealed Fastener Roofing	37.04	3.54
		For Steep Roof, Over 6 To 12, Add	*2.12*	
		For 140 MPH Wind Load, Add	*1.31*	
		For Up To 1,500, Add	*9.26*	
		For Panels < 16" Wide, Add	*3.16*	
		For Up To 5000, Add	*3.70*	
		For > 5000 To 10000, Add	*0.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 61 13 00-0004	SF	Architectural 18 Ounce Copper Standing Seam Concealed Fastener Roofing	40.56	3.83
		For Steep Roof, Over 6 To 12, Add	*2.30*	
		For Panels <16" Wide, Add	*3.45*	
		For 140 MPH Wind Load, Add	*1.42*	
		For Up To 1,500, Add	*10.14*	
		For >1,500 To 5,000, Add	*6.08*	
		For >5,000 To 10,000, Add	*1.01*	
		For Panels < 16" Wide, Add	*3.45*	
		For Up To 5000, Add	*4.06*	
		For > 5000 To 10000, Add	*1.01*	
07 61 13 00-0005	SF	Architectural 20 Ounce Copper Standing Seam Concealed Fastener Roofing	47.83	4.18
		For Steep Roof, Over 6 To 12, Add	*2.51*	
		For 140 MPH Wind Load, Add	*1.62*	
		For Up To 1,500, Add	*11.96*	
		For Panels < 16" Wide, Add	*3.94*	
		For Up To 5000, Add	*4.78*	
		For > 5000 To 10000, Add	*1.20*	
07 61 13 00-0006		Zinc/Copper Standing Seam Concealed Fastener Roofing *(07 61 13 00-0001)*		
07 61 13 00-0007	SF	0.020" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing	43.34	3.83
		For Steep Roof, Over 6 To 12, Add	*2.30*	
		For Panels <16" Wide, Add	*3.58*	
		For 140 MPH Wind Load, Add	*1.48*	
		For Up To 1,500, Add	*10.84*	
		For >1,500 To 5,000, Add	*6.50*	
		For >5,000 To 10,000, Add	*1.08*	
		For Tin/Copper, Deduct	*-0.71*	
07 61 13 00-0008	SF	0.027" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing	52.58	3.99
		For Steep Roof, Over 6 To 12, Add	*2.39*	
		For Panels <16" Wide, Add	*4.11*	
		For 140 MPH Wind Load, Add	*1.69*	
		For Up To 1,500, Add	*13.15*	
		For >1,500 To 5,000, Add	*7.89*	
		For >5,000 To 10,000, Add	*1.31*	
		For Tin/Copper, Deduct	*-0.89*	
07 61 13 00-0009	SF	0.032" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing	59.82	4.18
		For Steep Roof, Over 6 To 12, Add	*2.51*	
		For Panels <16" Wide, Add	*4.54*	
		For 140 MPH Wind Load, Add	*1.86*	
		For Up To 1,500, Add	*14.96*	
		For >1,500 To 5,000, Add	*8.97*	
		For >5,000 To 10,000, Add	*1.50*	
		For Tin/Copper, Deduct	*-1.03*	
07 61 13 00-0010	SF	0.040" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing	75.13	4.38
		For Steep Roof, Over 6 To 12, Add	*2.63*	
		For Panels <16" Wide, Add	*5.38*	
		For 140 MPH Wind Load, Add	*2.20*	
		For Up To 1,500, Add	*18.78*	
		For >1,500 To 5,000, Add	*11.27*	
		For >5,000 To 10,000, Add	*1.88*	
		For Tin/Copper, Deduct	*-1.33*	
07 61 13 00-0011		Accessories For Copper Standing Seam Concealed Fastener Roofing *(07 61 13 00-0001)*		
07 61 13 00-0012	LF	Ridge Flashing For Copper Standing Seam Concealed Fastener Roofing	156.32	7.30
		For Steep Roof, Over 6 To 12, Add	*5.48*	
		For 140 MPH Wind Load, Add	*4.59*	
07 61 13 00-0013	LF	Eave Flashing For Copper Standing Seam Concealed Fastener Roofing	89.46	7.30
		For Steep Roof, Over 6 To 12, Add	*5.48*	
		For 140 MPH Wind Load, Add	*3.25*	
07 61 13 00-0014	LF	Valley Flashing For Copper Standing Seam Concealed Fastener Roofing	219.53	7.30
		For Steep Roof, Over 6 To 12, Add	*5.48*	
		For 140 MPH Wind Load, Add	*5.85*	
07 61 13 00-0015	LF	Hip Flashing For Copper Standing Seam Concealed Fastener Roofing	161.31	7.30
		For Steep Roof, Over 6 To 12, Add	*5.48*	
		For 140 MPH Wind Load, Add	*4.69*	
07 61 16		**Batten Seam Sheet Metal Roofing** *(07 61)*		
07 61 16 00-0001		Copper Batten Seam Concealed Fastener Roofing *(07 61 16)*		
07 61 16 00-0002		Copper Batten Seam Concealed Fastener Roofing *(07 61 16 00-0001)*		
07 61 16 00-0003	SF	16 Ounce Copper Batten Seam Concealed Fastener Roofing	45.64	4.18
		For Steep Roof, Over 6 To 12, Add	*2.51*	
		For Panels <16" Wide, Add	*3.83*	
		For 140 MPH Wind Load, Add	*1.58*	
		For Up To 1,500, Add	*11.41*	
		For >1,500 To 5,000, Add	*6.85*	
		For >5,000 To 10,000, Add	*1.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 61 16 00-0004	SF	18 Ounce Copper Batten Seam Concealed Fastener Roofing	50.44	4.39
		For Steep Roof, Over 6 To 12, Add	*2.63*	
		For Panels <16" Wide, Add	*4.14*	
		For 140 MPH Wind Load, Add	*1.71*	
		For Up To 1,500, Add	*12.61*	
		For >1,500 To 5,000, Add	*7.57*	
		For >5,000 To 10,000, Add	*1.26*	
07 61 16 00-0005	SF	20 Ounce Copper Batten Seam Concealed Fastener Roofing	58.90	4.59
		For Steep Roof, Over 6 To 12, Add	*2.76*	
		For Panels <16" Wide, Add	*4.65*	
		For 140 MPH Wind Load, Add	*1.91*	
		For Up To 1,500, Add	*14.73*	
		For >1,500 To 5,000, Add	*8.84*	
		For >5,000 To 10,000, Add	*1.47*	
07 61 16 00-0006		Zinc/Copper Batten Seam Concealed Fastener Roofing *(07 61 16 00-0001)*		
07 61 16 00-0007	SF	0.020" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing	46.41	3.83
		For Steep Roof, Over 6 To 12, Add	*2.30*	
		For Panels <16" Wide, Add	*3.74*	
		For 140 MPH Wind Load, Add	*1.54*	
		For Up To 1,500, Add	*11.60*	
		For >1,500 To 5,000, Add	*6.96*	
		For >5,000 To 10,000, Add	*1.16*	
		For Tin/Copper, Deduct	*-0.78*	
07 61 16 00-0008	SF	0.027" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing	56.97	3.99
		For Steep Roof, Over 6 To 12, Add	*2.40*	
		For Panels <16" Wide, Add	*4.33*	
		For 140 MPH Wind Load, Add	*1.78*	
		For Up To 1,500, Add	*14.24*	
		For >1,500 To 5,000, Add	*8.55*	
		For >5,000 To 10,000, Add	*1.42*	
		For Tin/Copper, Deduct	*-0.98*	
07 61 16 00-0009	SF	0.032" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing	63.91	4.18
		For Steep Roof, Over 6 To 12, Add	*2.51*	
		For Panels <16" Wide, Add	*4.74*	
		For 140 MPH Wind Load, Add	*1.95*	
		For Up To 1,500, Add	*15.98*	
		For >1,500 To 5,000, Add	*9.59*	
		For >5,000 To 10,000, Add	*1.60*	
		For Tin/Copper, Deduct	*-1.11*	
07 61 16 00-0010	SF	0.040" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing	80.40	4.38
		For Steep Roof, Over 6 To 12, Add	*2.63*	
		For Panels <16" Wide, Add	*5.64*	
		For 140 MPH Wind Load, Add	*2.31*	
		For Up To 1,500, Add	*20.10*	
		For >1,500 To 5,000, Add	*12.06*	
		For >5,000 To 10,000, Add	*2.01*	
		For Tin/Copper, Deduct	*-1.43*	

07 61 19 Flat Seam Sheet Metal Roofing *(07 61)*

07 61 19 00-0001 Copper Flat Seam Concealed Fastener Roofing *(07 61 19)*

07 61 19 00-0002 Copper Flat Seam Concealed Fastener Roofing *(07 61 19 00-0001)*

07 61 19 00-0003	SF	16 Ounce Copper Flat Seam Concealed Fastener Roofing	35.15	3.83
		For Steep Roof, Over 6 To 12, Add	*2.30*	
		For Panels <16" Wide, Add	*3.17*	
		For 140 MPH Wind Load, Add	*1.32*	
		For Up To 1,500, Add	*8.79*	
		For >1,500 To 5,000, Add	*5.27*	
		For >5,000 To 10,000, Add	*0.88*	
07 61 19 00-0004	SF	18 Ounce Copper Flat Seam Concealed Fastener Roofing	38.70	3.99
		For Steep Roof, Over 6 To 12, Add	*2.40*	
		For Panels <16" Wide, Add	*3.41*	
		For 140 MPH Wind Load, Add	*1.41*	
		For Up To 1,500, Add	*9.68*	
		For >1,500 To 5,000, Add	*5.81*	
		For >5,000 To 10,000, Add	*0.97*	
07 61 19 00-0005	SF	20 Ounce Copper Flat Seam Concealed Fastener Roofing	44.91	4.18
		For Steep Roof, Over 6 To 12, Add	*2.51*	
		For Panels <16" Wide, Add	*3.79*	
		For 140 MPH Wind Load, Add	*1.57*	
		For Up To 1,500, Add	*11.23*	
		For >1,500 To 5,000, Add	*6.74*	
		For >5,000 To 10,000, Add	*1.12*	

07 61 19 00-0006 Zinc/Copper Flat Seam Concealed Fastener Roofing *(07 61 19 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 61 19 00-0007	SF	0.020" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing	40.56	3.83
		For Steep Roof, Over 6 To 12, Add	*2.30*	
		For Panels <16" Wide, Add	*3.45*	
		For 140 MPH Wind Load, Add	*1.42*	
		For Up To 1,500, Add	*10.14*	
		For >1,500 To 5,000, Add	*6.08*	
		For >5,000 To 10,000, Add	*1.01*	
		For Tin/Copper, Deduct	*-0.66*	
07 61 19 00-0008	SF	0.027" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing	49.66	3.99
		For Steep Roof, Over 6 To 12, Add	*2.40*	
		For Panels <16" Wide, Add	*3.96*	
		For 140 MPH Wind Load, Add	*1.63*	
		For Up To 1,500, Add	*12.42*	
		For >1,500 To 5,000, Add	*7.45*	
		For >5,000 To 10,000, Add	*1.24*	
		For Tin/Copper, Deduct	*-0.83*	
07 61 19 00-0009	SF	0.032" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing	55.87	4.18
		For Steep Roof, Over 6 To 12, Add	*2.51*	
		For Panels <16" Wide, Add	*4.34*	
		For 140 MPH Wind Load, Add	*1.79*	
		For Up To 1,500, Add	*13.97*	
		For >1,500 To 5,000, Add	*8.38*	
		For >5,000 To 10,000, Add	*1.40*	
		For Tin/Copper, Deduct	*-0.95*	
07 61 19 00-0010	SF	0.040" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing	70.16	4.38
		For Steep Roof, Over 6 To 12, Add	*2.63*	
		For Panels <16" Wide, Add	*5.13*	
		For 140 MPH Wind Load, Add	*2.10*	
		For Up To 1,500, Add	*17.54*	
		For >1,500 To 5,000, Add	*10.52*	
		For >5,000 To 10,000, Add	*1.75*	
		For Tin/Copper, Deduct	*-1.23*	

07 62 Sheet Metal Flashing and Trim *(07 60)*

07 62 13 Fabricated Copings *(07 62)*

07 62 13 00-0001 Lead Flashing And Trim *(07 62 13)*

07 62 13 00-0002	SF	2.5 Lb./SF, Sheet Lead Flashing	24.21	5.75
		For Up To 100, Add	*6.05*	
07 62 13 00-0003	SF	4 Lb./SF, Sheet Lead Flashing	31.74	5.75
		For Up To 100, Add	*7.94*	

07 62 13 00-0004 Copper Flashing And Trim *(07 62 13)*

07 62 13 00-0005 Copper Flashing And Trim *(07 62 13 00-0004)*

07 62 13 00-0006	SF	16 Ounce, 0.021" Thick, Copper Flashing And Trim	28.66	5.61
		For Up To 100, Add	*7.17*	
		For >500 To 2,000, Deduct	*-3.95*	
		For >2,000, Deduct	*-4.83*	
		For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add	*2.22*	
		For Wrap Around Window Panning, Add	*11.10*	
07 62 13 00-0007	SF	20 Ounce, 0.027" Thick, Copper Flashing And Trim	29.59	5.75
		For Up To 100, Add	*7.40*	
		For >500 To 2,000, Deduct	*-4.08*	
		For >2,000, Deduct	*-4.98*	
		For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add	*2.32*	
		For Wrap Around Window Panning, Add	*11.60*	
07 62 13 00-0008	SF	24 Ounce, 0.032" Thick, Copper Flashing And Trim	33.75	6.13
		For Up To 100, Add	*8.44*	
		For >500 To 2,000, Deduct	*-4.63*	
		For >2,000, Deduct	*-5.71*	
		For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add	*2.43*	
		For Wrap Around Window Panning, Add	*12.16*	
07 62 13 00-0009	SF	32 Ounce, 0.043" Thick, Copper Flashing And Trim	41.55	6.38
		For Up To 100, Add	*10.39*	
		For >500 To 2,000, Deduct	*-5.66*	
		For >2,000, Deduct	*-7.10*	
		For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add	*2.55*	
		For Wrap Around Window Panning, Add	*12.76*	

07 62 13 00-0010 Stainless Steel Flashing And Trim *(07 62 13)*

07 62 13 00-0011 Stainless Steel Flashing And Trim *(07 62 13 00-0010)*

07 62 13 00-0012	SF	32 Gauge, 0.010" Thick, Stainless Steel Flashing And Trim	10.45	3.06
		For Up To 100, Add	*2.61*	
		For Wrap Around Window Panning, Add	*7.88*	
		For Mechanically Keyed Flashing, Add	*1.03*	
07 62 13 00-0013	SF	30 Gauge, 0.0125" Thick, Stainless Steel Flashing And Trim	11.21	3.44
		For Up To 100, Add	*2.80*	
		For Wrap Around Window Panning, Add	*8.00*	
		For Mechanically Keyed Flashing, Add	*1.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 13 00-0014	SF	28 Gauge, 0.0156" Thick, Stainless Steel Flashing And Trim	11.98	3.82
		For Up To 100, Add	*3.00*	
		For Wrap Around Window Panning, Add	*8.13*	
		For Mechanically Keyed Flashing, Add	*1.54*	
07 62 13 00-0015	SF	26 Gauge, 0.0187" Thick, Stainless Steel Flashing And Trim	13.20	4.22
		For Up To 100, Add	*3.30*	
		For Wrap Around Window Panning, Add	*8.39*	
		For Mechanically Keyed Flashing, Add	*1.92*	
07 62 13 00-0016	SF	24 Gauge, 0.025" Thick, Stainless Steel Flashing And Trim	15.28	4.47
		For Up To 100, Add	*3.82*	
		For Wrap Around Window Panning, Add	*8.87*	
		For Mechanically Keyed Flashing, Add	*2.56*	
07 62 13 00-0017	SF	22 Gauge, 0.031" Thick, Stainless Steel Flashing And Trim	16.62	4.69
		For Up To 100, Add	*4.16*	
		For Wrap Around Window Panning, Add	*9.38*	
		For Mechanically Keyed Flashing, Add	*2.90*	
07 62 13 00-0018	SF	20 Gauge, 0.0375" Thick, Stainless Steel Flashing And Trim	17.77	4.98
		For Up To 100, Add	*4.44*	
		For Wrap Around Window Panning, Add	*9.93*	
		For Mechanically Keyed Flashing, Add	*3.14*	
07 62 13 00-0019		Aluminum Flashing And Trim *(07 62 13)*		
07 62 13 00-0020		Aluminum Flashing And Trim *(07 62 13 00-0019)*		
07 62 13 00-0021	SF	0.013" Thick, Mill Finish, Aluminum Flashing And Trim	13.12	3.95
		For Up To 100, Add	*3.28*	
		For Baked Aluminum Colors, Add	*0.43*	
		For Wrap Around Window Panning, Add	*8.80*	
07 62 13 00-0022	SF	0.016" Thick, Mill Finish, Aluminum Flashing And Trim	14.06	3.95
		For Up To 100, Add	*3.52*	
		For Baked Aluminum Colors, Add	*0.53*	
		For Wrap Around Window Panning, Add	*8.80*	
07 62 13 00-0023	SF	0.019" Thick, Mill Finish, Aluminum Flashing And Trim	14.81	3.95
		For Up To 100, Add	*3.70*	
		For Baked Aluminum Colors, Add	*0.60*	
		For Wrap Around Window Panning, Add	*8.80*	
07 62 13 00-0024	SF	0.024" Thick, Mill Finish, Aluminum Flashing And Trim	15.89	3.95
		For Up To 100, Add	*3.97*	
		For Baked Aluminum Colors, Add	*0.71*	
		For Wrap Around Window Panning, Add	*8.80*	
07 62 13 00-0025	SF	0.032" Thick, Mill Finish, Aluminum Flashing And Trim	17.40	3.95
		For Up To 100, Add	*4.35*	
		For Baked Aluminum Colors, Add	*0.86*	
		For Wrap Around Window Panning, Add	*8.80*	
07 62 13 00-0026	SF	0.040" Thick, Mill Finish, Aluminum Flashing And Trim	18.33	3.95
		For Up To 100, Add	*4.58*	
		For Baked Aluminum Colors, Add	*0.95*	
		For Wrap Around Window Panning, Add	*8.80*	
07 62 13 00-0027	SF	0.050" Thick, Mill Finish, Aluminum Flashing And Trim	19.08	3.95
		For Up To 100, Add	*4.77*	
		For Baked Aluminum Colors, Add	*1.03*	
		For Wrap Around Window Panning, Add	*8.80*	
07 62 13 00-0028		Steel Flashing And Trim *(07 62 13)*		
07 62 13 00-0029		Galvanized Steel Flashing And Trim *(07 62 13 00-0028)*		
07 62 13 00-0030	SF	28 Gauge, 0.019" Thick, Galvanized Steel Flashing	12.80	3.82
		For Up To 100, Add	*3.20*	
		For Wrap Around Window Panning, Add	*8.13*	
07 62 13 00-0031	SF	26 Gauge, 0.022" Thick, Galvanized Steel Flashing	13.31	4.22
		For Up To 100, Add	*3.33*	
		For Wrap Around Window Panning, Add	*8.39*	
07 62 13 00-0032	SF	24 Gauge, 0.028" Thick, Galvanized Steel Flashing	14.19	4.47
		For Up To 100, Add	*3.55*	
		For Wrap Around Window Panning, Add	*8.87*	
07 62 13 00-0033	SF	22 Gauge, 0.034" Thick, Galvanized Steel Flashing	15.08	4.69
		For Up To 100, Add	*3.77*	
		For Wrap Around Window Panning, Add	*9.38*	
07 62 13 00-0034	SF	20 Gauge, 0.04" Thick, Galvanized Steel Flashing	16.31	4.98
		For Up To 100, Add	*4.08*	
		For Wrap Around Window Panning, Add	*9.93*	

07 62 19 Fabricated Gravel Stops and Fasciae *(07 62)*

07 62 19 00-0001		Drip Edge *(07 62 19)*		
07 62 19 00-0002		Aluminum Drip Edge *(07 62 19 00-0001)* Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 19 00-0003		KYNAR 500® Finish, Aluminum Drip Edge *(07 62 19 00-0002)*		
07 62 19 00-0004		0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge *(07 62 19 00-0003)*		
07 62 19 00-0005	LF	Up To 5" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	13.77	1.95

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 19 00-0006	LF	>5" To 7" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	17.13	2.08
07 62 19 00-0007	LF	>7" To 9" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	19.35	2.34
07 62 19 00-0008	LF	>9" To 12" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	23.24	2.46
07 62 19 00-0009	LF	>12" To 15" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	29.66	2.59
07 62 19 00-0010		**0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge** *(07 62 19 00-0003)*		
07 62 19 00-0011	LF	Up To 5" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	14.72	1.95
07 62 19 00-0012	LF	>5" To 7" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	18.18	2.08
07 62 19 00-0013	LF	>7" To 9" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	20.93	2.34
07 62 19 00-0014	LF	>9" To 12" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	25.14	2.46
07 62 19 00-0015	LF	>12" To 15" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	31.46	2.59
07 62 19 00-0016		**0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge** *(07 62 19 00-0003)*		
07 62 19 00-0017	LF	Up To 5" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	15.67	1.95
07 62 19 00-0018	LF	>5" To 7" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	19.45	2.08
07 62 19 00-0019	LF	>7" To 9" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	22.47	2.34
07 62 19 00-0020	LF	>9" To 12" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	27.04	2.46
07 62 19 00-0021	LF	>12" To 15" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	34.00	2.59
07 62 19 00-0022		**0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge** *(07 62 19 00-0003)*		
07 62 19 00-0023	LF	Up To 5" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	17.57	1.95
07 62 19 00-0024	LF	>5" To 7" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	21.99	2.08
07 62 19 00-0025	LF	>7" To 9" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	25.48	2.34
07 62 19 00-0026	LF	>9" To 12" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	30.85	2.46
07 62 19 00-0027	LF	>12" To 15" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	39.07	2.59
07 62 19 00-0028		**0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge** *(07 62 19 00-0003)*		
07 62 19 00-0029	LF	Up To 5" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	18.20	1.95
07 62 19 00-0030	LF	>5" To 7" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	22.94	2.08
07 62 19 00-0031	LF	>7" To 9" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	26.48	2.34
07 62 19 00-0032	LF	>9" To 12" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	32.12	2.46
07 62 19 00-0033	LF	>12" To 15" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	40.76	2.59
07 62 19 00-0034		**0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge** *(07 62 19 00-0003)*		
07 62 19 00-0035	LF	Up To 5" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	20.42	1.95
07 62 19 00-0036	LF	>5" To 7" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	25.79	2.08
07 62 19 00-0037	LF	>7" To 9" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	29.97	2.34
07 62 19 00-0038	LF	>9" To 12" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	36.55	2.46
07 62 19 00-0039	LF	>12" To 15" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	46.68	2.59
07 62 19 00-0040		**0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge** *(07 62 19 00-0003)*		
07 62 19 00-0041	LF	Up To 5" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	23.59	1.95
07 62 19 00-0042	LF	>5" To 7" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	30.02	2.08
07 62 19 00-0043	LF	>7" To 9" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	34.99	2.34
07 62 19 00-0044	LF	>9" To 12" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	42.89	2.46
07 62 19 00-0045	LF	>12" To 15" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	55.13	2.59
07 62 19 00-0046		**0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge** *(07 62 19 00-0003)*		
07 62 19 00-0047	LF	Up To 5" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	27.40	1.95
07 62 19 00-0048	LF	>5" To 7" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	35.09	2.08
07 62 19 00-0049	LF	>7" To 9" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	41.01	2.34
07 62 19 00-0050	LF	>9" To 12" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	50.50	2.46
07 62 19 00-0051	LF	>12" To 15" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	65.27	2.59
07 62 19 00-0052		**Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0002)*		
07 62 19 00-0053		**0.016" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0052)*		
07 62 19 00-0054	LF	Up To 5" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	11.31	1.95
07 62 19 00-0055	LF	>5" To 7" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	13.78	2.08
07 62 19 00-0056	LF	>7" To 9" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	15.48	2.34
07 62 19 00-0057	LF	>9" To 12" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	18.32	2.46
07 62 19 00-0058	LF	>12" To 15" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	22.88	2.59
07 62 19 00-0059		**0.019" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0052)*		
07 62 19 00-0060	LF	Up To 5" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	11.96	1.95
07 62 19 00-0061	LF	>5" To 7" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	14.51	2.08
07 62 19 00-0062	LF	>7" To 9" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	16.57	2.34
07 62 19 00-0063	LF	>9" To 12" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	19.63	2.46
07 62 19 00-0064	LF	>12" To 15" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	24.11	2.59

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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 19 00-0065		**0.025" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0052)*		
07 62 19 00-0066	LF	Up To 5" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	12.62	1.95
07 62 19 00-0067	LF	>5" To 7" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	15.39	2.08
07 62 19 00-0068	LF	>7" To 9" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	17.63	2.34
07 62 19 00-0069	LF	>9" To 12" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	20.94	2.46
07 62 19 00-0070	LF	>12" To 15" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	25.86	2.59
07 62 19 00-0071		**0.032" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0052)*		
07 62 19 00-0072	LF	Up To 5" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge	13.93	1.95
07 62 19 00-0073	LF	>5" To 7" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge	17.14	2.08
07 62 19 00-0074	LF	>7" To 9" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge	19.71	2.34
07 62 19 00-0075	LF	>9" To 12" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge	23.57	2.46
07 62 19 00-0076	LF	>12" To 15" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge	29.36	2.59
07 62 19 00-0077		**0.040" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0052)*		
07 62 19 00-0078	LF	Up To 5" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge	14.37	1.95
07 62 19 00-0079	LF	>5" To 7" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge	17.79	2.08
07 62 19 00-0080	LF	>7" To 9" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge	20.40	2.34
07 62 19 00-0081	LF	>9" To 12" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge	24.44	2.46
07 62 19 00-0082	LF	>12" To 15" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge	30.53	2.59
07 62 19 00-0083		**0.050" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0052)*		
07 62 19 00-0084	LF	Up To 5" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge	15.90	1.95
07 62 19 00-0085	LF	>5" To 7" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge	19.76	2.08
07 62 19 00-0086	LF	>7" To 9" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge	22.80	2.34
07 62 19 00-0087	LF	>9" To 12" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge	27.50	2.46
07 62 19 00-0088	LF	>12" To 15" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge	34.61	2.59
07 62 19 00-0089		**0.063" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0052)*		
07 62 19 00-0090	LF	Up To 5" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge	18.08	1.95
07 62 19 00-0091	LF	>5" To 7" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge	22.67	2.08
07 62 19 00-0092	LF	>7" To 9" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge	26.26	2.34
07 62 19 00-0093	LF	>9" To 12" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge	31.88	2.46
07 62 19 00-0094	LF	>12" To 15" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge	40.44	2.59
07 62 19 00-0095		**0.080" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0052)*		
07 62 19 00-0096	LF	Up To 5" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge	20.71	1.95
07 62 19 00-0097	LF	>5" To 7" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge	26.17	2.08
07 62 19 00-0098	LF	>7" To 9" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge	30.42	2.34
07 62 19 00-0099	LF	>9" To 12" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge	37.12	2.46
07 62 19 00-0100	LF	>12" To 15" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge	47.43	2.59
07 62 19 00-0101		**Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0002)*		
07 62 19 00-0102		**0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0101)*		
07 62 19 00-0103	LF	Up To 5" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge	14.24	1.95
07 62 19 00-0104	LF	>5" To 7" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge	17.77	2.08
07 62 19 00-0105	LF	>7" To 9" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge	20.10	2.34
07 62 19 00-0106	LF	>9" To 12" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge	24.19	2.46
07 62 19 00-0107	LF	>12" To 15" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge	30.98	2.59
07 62 19 00-0108		**0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0101)*		
07 62 19 00-0109	LF	Up To 5" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge	15.25	1.95
07 62 19 00-0110	LF	>5" To 7" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge	18.89	2.08
07 62 19 00-0111	LF	>7" To 9" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge	21.78	2.34
07 62 19 00-0112	LF	>9" To 12" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge	26.21	2.46
07 62 19 00-0113	LF	>12" To 15" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge	32.88	2.59
07 62 19 00-0114		**0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0101)*		
07 62 19 00-0115	LF	Up To 5" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge	16.26	1.95
07 62 19 00-0116	LF	>5" To 7" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge	20.24	2.08
07 62 19 00-0117	LF	>7" To 9" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge	23.40	2.34
07 62 19 00-0118	LF	>9" To 12" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge	28.22	2.46
07 62 19 00-0119	LF	>12" To 15" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge	35.57	2.59
07 62 19 00-0120		**0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0101)*		
07 62 19 00-0121	LF	Up To 5" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge	18.27	1.95
07 62 19 00-0122	LF	>5" To 7" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge	22.93	2.08
07 62 19 00-0123	LF	>7" To 9" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge	26.59	2.34
07 62 19 00-0124	LF	>9" To 12" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge	32.26	2.46

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 19 00-0125	LF	>12" To 15" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge	40.94	2.59
07 62 19 00-0126		**0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0101)*		
07 62 19 00-0127	LF	Up To 5" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge	18.95	1.95
07 62 19 00-0128	LF	>5" To 7" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge	23.94	2.08
07 62 19 00-0129	LF	>7" To 9" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge	27.66	2.34
07 62 19 00-0130	LF	>9" To 12" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge	33.60	2.46
07 62 19 00-0131	LF	>12" To 15" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge	42.74	2.59
07 62 19 00-0132		**0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0101)*		
07 62 19 00-0133	LF	Up To 5" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge	21.30	1.95
07 62 19 00-0134	LF	>5" To 7" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge	26.96	2.08
07 62 19 00-0135	LF	>7" To 9" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge	31.35	2.34
07 62 19 00-0136	LF	>9" To 12" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge	38.30	2.46
07 62 19 00-0137	LF	>12" To 15" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge	49.01	2.59
07 62 19 00-0138		**0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0101)*		
07 62 19 00-0139	LF	Up To 5" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge	24.66	1.95
07 62 19 00-0140	LF	>5" To 7" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge	31.44	2.08
07 62 19 00-0141	LF	>7" To 9" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge	36.67	2.34
07 62 19 00-0142	LF	>9" To 12" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge	45.03	2.46
07 62 19 00-0143	LF	>12" To 15" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge	57.97	2.59
07 62 19 00-0144		**0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0101)*		
07 62 19 00-0145	LF	Up To 5" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	28.69	1.95
07 62 19 00-0146	LF	>5" To 7" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	36.82	2.08
07 62 19 00-0147	LF	>7" To 9" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	43.06	2.34
07 62 19 00-0148	LF	>9" To 12" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	53.09	2.46
07 62 19 00-0149	LF	>12" To 15" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	68.72	2.59
07 62 19 00-0150		**Galvanized Steel Drip Edge** *(07 62 19 00-0001)* Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 19 00-0151		**Galvanized Steel Drip Edge** *(07 62 19 00-0150)*		
07 62 19 00-0152		**26 Gauge, Galvanized Steel Drip Edge** *(07 62 19 00-0151)*		
07 62 19 00-0153	LF	Up To 5" Girth, 26 Gauge, Galvanized Steel Drip Edge	13.13	1.95
07 62 19 00-0154	LF	>5" To 7" Girth, 26 Gauge, Galvanized Steel Drip Edge	16.13	2.08
07 62 19 00-0155	LF	>7" To 9" Girth, 26 Gauge, Galvanized Steel Drip Edge	18.44	2.34
07 62 19 00-0156	LF	>9" To 12" Girth, 26 Gauge, Galvanized Steel Drip Edge	21.97	2.46
07 62 19 00-0157	LF	>12" To 15" Girth, 26 Gauge, Galvanized Steel Drip Edge	27.24	2.59
07 62 19 00-0158		**24 Gauge, Galvanized Steel Drip Edge** *(07 62 19 00-0151)*		
07 62 19 00-0159	LF	Up To 5" Girth, 24 Gauge, Galvanized Steel Drip Edge	14.23	1.95
07 62 19 00-0160	LF	>5" To 7" Girth, 24 Gauge, Galvanized Steel Drip Edge	17.60	2.08
07 62 19 00-0161	LF	>7" To 9" Girth, 24 Gauge, Galvanized Steel Drip Edge	20.18	2.34
07 62 19 00-0162	LF	>9" To 12" Girth, 24 Gauge, Galvanized Steel Drip Edge	24.17	2.46
07 62 19 00-0163	LF	>12" To 15" Girth, 24 Gauge, Galvanized Steel Drip Edge	30.14	2.59
07 62 19 00-0164		**KYNAR 500® Finish, Galvanized Steel Drip Edge** *(07 62 19 00-0150)*		
07 62 19 00-0165		**26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge** *(07 62 19 00-0164)*		
07 62 19 00-0166	LF	Up To 5" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	16.41	1.95
07 62 19 00-0167	LF	>5" To 7" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	20.54	2.08
07 62 19 00-0168	LF	>7" To 9" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	23.64	2.34
07 62 19 00-0169	LF	>9" To 12" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	28.54	2.46
07 62 19 00-0170	LF	>12" To 15" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	35.99	2.59
07 62 19 00-0171		**24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge** *(07 62 19 00-0164)*		
07 62 19 00-0172	LF	Up To 5" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	18.00	1.95
07 62 19 00-0173	LF	>5" To 7" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	22.67	2.08
07 62 19 00-0174	LF	>7" To 9" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	26.16	2.34
07 62 19 00-0175	LF	>9" To 12" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	31.71	2.46
07 62 19 00-0176	LF	>12" To 15" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	40.22	2.59
07 62 19 00-0177		**Stainless Steel Drip Edge** *(07 62 19 00-0001)* Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 19 00-0178		**26 Gauge, Stainless Steel Drip Edge** *(07 62 19 00-0177)*		
07 62 19 00-0179	LF	Up To 5" Girth, 26 Gauge, Stainless Steel Drip Edge	22.47	1.95
07 62 19 00-0180	LF	>5" To 7" Girth, 26 Gauge, Stainless Steel Drip Edge	28.52	2.08
07 62 19 00-0181	LF	>7" To 9" Girth, 26 Gauge, Stainless Steel Drip Edge	33.21	2.34

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 19 00-0182	LF	>9" To 12" Girth, 26 Gauge, Stainless Steel Drip Edge	40.65	2.46
07 62 19 00-0183	LF	>12" To 15" Girth, 26 Gauge, Stainless Steel Drip Edge	52.13	2.59
07 62 19 00-0184		24 Gauge, Stainless Steel Drip Edge *(07 62 19 00-0177)*		
07 62 19 00-0185	LF	Up To 5" Girth, 24 Gauge, Stainless Steel Drip Edge	27.70	1.95
07 62 19 00-0186	LF	>5" To 7" Girth, 24 Gauge, Stainless Steel Drip Edge	35.50	2.08
07 62 19 00-0187	LF	>7" To 9" Girth, 24 Gauge, Stainless Steel Drip Edge	41.52	2.34
07 62 19 00-0188	LF	>9" To 12" Girth, 24 Gauge, Stainless Steel Drip Edge	51.11	2.46
07 62 19 00-0189	LF	>12" To 15" Girth, 24 Gauge, Stainless Steel Drip Edge	66.09	2.59
07 62 19 00-0190		22 Gauge, Stainless Steel Drip Edge *(07 62 19 00-0177)*		
07 62 19 00-0191	LF	Up To 5" Girth, 22 Gauge, Stainless Steel Drip Edge	33.86	1.95
07 62 19 00-0192	LF	>5" To 7" Girth, 22 Gauge, Stainless Steel Drip Edge	43.71	2.08
07 62 19 00-0193	LF	>7" To 9" Girth, 22 Gauge, Stainless Steel Drip Edge	51.27	2.34
07 62 19 00-0194	LF	>9" To 12" Girth, 22 Gauge, Stainless Steel Drip Edge	63.43	2.46
07 62 19 00-0195	LF	>12" To 15" Girth, 22 Gauge, Stainless Steel Drip Edge	82.51	2.59

07 63 Sheet Metal Roofing Specialties *(07 60)*

07 63 00 00-0001 Pitch Pockets *(07 63)*
Note: Cut into deck, filled with non-shrink grout, includes blocking.

07 63 00 00-0002 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pockets *(07 63 00 00-0001)*

07 63 00 00-0003	EA	4" x 4" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	96.32	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*20.31*	
		For Pourable Sealer Filled, Add	*40.59*	
07 63 00 00-0004	EA	6" x 6" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	116.53	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*45.82*	
		For Pourable Sealer Filled, Add	*91.38*	
07 63 00 00-0005	EA	8" x 8" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	142.25	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*81.00*	
		For Pourable Sealer Filled, Add	*162.37*	
07 63 00 00-0006	EA	8" x 10" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	156.17	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*101.81*	
		For Pourable Sealer Filled, Add	*202.96*	
07 63 00 00-0007	EA	8" x 12" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	169.41	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*121.79*	
		For Pourable Sealer Filled, Add	*243.55*	
07 63 00 00-0008	SF	24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	199.36	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*181.54*	
		For Pourable Sealer Filled, Add	*365.33*	

07 63 00 00-0009 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pockets *(07 63 00 00-0001)*

07 63 00 00-0010	EA	4" x 4" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	96.36	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*20.31*	
		For Pourable Sealer Filled, Add	*40.59*	
07 63 00 00-0011	EA	6" x 6" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	116.29	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*45.82*	
		For Pourable Sealer Filled, Add	*91.38*	
07 63 00 00-0012	EA	8" x 8" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	142.47	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*81.00*	
		For Pourable Sealer Filled, Add	*162.37*	
07 63 00 00-0013	EA	8" x 10" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	159.15	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*101.81*	
		For Pourable Sealer Filled, Add	*202.96*	
07 63 00 00-0014	EA	8" x 12" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	172.02	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*121.79*	
		For Pourable Sealer Filled, Add	*243.55*	
07 63 00 00-0015	SF	16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	202.31	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*181.54*	
		For Pourable Sealer Filled, Add	*365.33*	

07 63 00 00-0016 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pockets *(07 63 00 00-0001)*

07 63 00 00-0017	EA	4" x 4" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	94.85	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*20.31*	
		For Pourable Sealer Filled, Add	*40.59*	
07 63 00 00-0018	EA	6" x 6" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	113.76	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*45.82*	
		For Pourable Sealer Filled, Add	*91.38*	
07 63 00 00-0019	EA	8" x 8" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	134.02	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*81.00*	
		For Pourable Sealer Filled, Add	*162.37*	
07 63 00 00-0020	EA	8" x 10" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	146.71	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*101.81*	
		For Pourable Sealer Filled, Add	*202.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 63 00 00-0021	EA	8" x 12" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	158.41	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*121.79*	
		For Pourable Sealer Filled, Add	*243.55*	
07 63 00 00-0022	SF	24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	185.63	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*181.54*	
		For Pourable Sealer Filled, Add	*365.33*	
07 63 00 00-0023		Clean, Repair And Refill Existing Pitch Pockets With Non-Shrink Grout *(07 63 00 00-0001)*		
		Note: Includes removing existing filler and refilling with non-shrink grout.		
07 63 00 00-0024	EA	Clean, Repair And Refill Existing 4" x 4" Pitch Pocket With Non-Shrink Grout	85.16	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*20.31*	
		For Pourable Sealer Filled, Add	*40.59*	
07 63 00 00-0025	EA	Clean, Repair And Refill Existing 6" x 6" Pitch Pocket With Non-Shrink Grout	97.33	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*45.82*	
		For Pourable Sealer Filled, Add	*91.38*	
07 63 00 00-0026	EA	Clean, Repair And Refill Existing 8" x 8" Pitch Pocket With Non-Shrink Grout	113.45	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*81.00*	
		For Pourable Sealer Filled, Add	*162.37*	
07 63 00 00-0027	EA	Clean, Repair And Refill Existing 8" x 10" Pitch Pocket With Non-Shrink Grout	123.74	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*101.81*	
		For Pourable Sealer Filled, Add	*202.96*	
07 63 00 00-0028	EA	Clean, Repair And Refill Existing 8" x 12" Pitch Pocket With Non-Shrink Grout	134.03	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*121.79*	
		For Pourable Sealer Filled, Add	*243.55*	
07 63 00 00-0029	SF	Clean, Repair And Refill Existing Pitch Pocket With Non-Shrink Grout	159.74	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*181.54*	
		For Pourable Sealer Filled, Add	*365.33*	
07 63 00 00-0030		Lead Pipe Flashing For Roofs *(07 63)*		
		Note: Includes 6" skirt base.		
07 63 00 00-0031	EA	1-1/4" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 3/4" Pipe	93.96	30.79
07 63 00 00-0032	EA	1-1/2" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 1" Pipe	93.96	30.79
07 63 00 00-0033	EA	2-3/4" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 2" Pipe	112.11	30.79
07 63 00 00-0034	EA	3-3/4" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 3" Pipe	122.49	30.79
07 63 00 00-0035	EA	4-1/4" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 3-1/2" Pipe	127.67	30.79
07 63 00 00-0036	EA	4-3/4" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 4" Pipe	130.27	30.79
07 63 00 00-0037	EA	6-7/8" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 6" Pipe	156.20	30.79
07 63 00 00-0038	EA	8-7/8" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 8" Pipe	167.87	30.79
07 63 00 00-0039		Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing *(07 63)*		
07 63 00 00-0040	EA	2" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing	83.40	19.89
07 63 00 00-0041	EA	3" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing	84.75	19.89
07 63 00 00-0042	EA	4" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing	89.63	19.89
07 63 00 00-0043	EA	6" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing	93.83	19.89

07 65 Flexible Flashing *(07 60)*

07 65 16 Modified Bituminous Sheet Flashing *(07 65)*

07 65 16 00-0001		Liquid Flashing System For Modified And BUR Systems *(07 65 16)*		
		See CSI section 07 51 13 00-0036 for ceramic coated roofing granules.		
07 65 16 00-0002	SF	60 Mil, Urethane Elastomer Liquid Applied Flashing	14.77	2.44
		Note: Includes applying a 30 mil base coat, rolling in a stichbonded polyester reinforcing scrim and applying a 30 mil second coat.		

07 65 19 Plastic Sheet Flashing *(07 65)*

07 65 19 00-0001		Plastic Flashing And Trim *(07 65 19)*		
07 65 19 00-0002		Neoprene Flashing *(07 65 19 00-0001)*		
07 65 19 00-0003		60 Mil Thick *(07 65 19 00-0002)*		
07 65 19 00-0004	LF	6" Wide Strip, 60 Mil, Neoprene Flashing	10.73	3.48
07 65 19 00-0005	LF	12" Wide Strip, 60 Mil, Neoprene Flashing	14.13	3.74
07 65 19 00-0006	LF	18" Wide Strip, 60 Mil, Neoprene Flashing	17.92	4.13
07 65 19 00-0007	LF	24" Wide Strip, 60 Mil, Neoprene Flashing	21.92	4.65

07 65 33 Flexible Roof Boot *(07 65)*

07 65 33 00-0001		Neoprene Roof Boot *(07 65 33)*		
07 65 33 00-0002	EA	2" Diameter Pipe, Neoprene Roof Boot	48.85	10.72
07 65 33 00-0003	EA	3" Diameter Pipe, Neoprene Roof Boot	57.31	12.00
07 65 33 00-0004	EA	4" Diameter Pipe, Neoprene Roof Boot	63.59	12.91

07 70 Roof and Wall Specialties and Accessories *(07)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 71 Roof Specialties *(07 70)*

07 71 13 Manufactured Copings *(07 71)*

07 71 13 00-0001 Galvanized Steel Copings *(07 71 13)*

07 71 13 00-0002 KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats *(07 71 13 00-0001)*

Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.

07 71 13 00-0003	LF	10" To 14" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	35.75	2.80
		For Up To 25 LF, Add	*5.44*	
		For >25 To 100 LF, Add	*2.72*	
		For >1,000 LF, Deduct	*-0.47*	
07 71 13 00-0004	LF	>14" To 16" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	37.73	3.04
		For Up To 25 LF, Add	*5.80*	
		For >25 To 100 LF, Add	*2.90*	
		For >1,000 LF, Deduct	*-0.51*	
07 71 13 00-0005	LF	>16" To 22" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	42.97	3.19
		For Up To 25 LF, Add	*6.43*	
		For >25 To 100 LF, Add	*3.21*	
		For >1,000 LF, Deduct	*-0.53*	
07 71 13 00-0006	LF	>22" To 30" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	49.88	3.50
		For Up To 25 LF, Add	*7.32*	
		For >25 To 100 LF, Add	*3.66*	
		For >1,000 LF, Deduct	*-0.58*	
07 71 13 00-0007	LF	>30" To 42" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	60.16	3.66
		For Up To 25 LF, Add	*8.46*	
		For >25 To 100 LF, Add	*4.23*	
		For >1,000 LF, Deduct	*-0.61*	

07 71 13 00-0008 Aluminum Copings *(07 71 13)*

07 71 13 00-0009 Mill Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0008)*

Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.

07 71 13 00-0010 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0009)*

07 71 13 00-0011	LF	10" To 14" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	28.50	2.80
		For Up To 25 LF, Add	*4.72*	
		For >25 To 100 LF, Add	*2.36*	
		For >1,000 LF, Deduct	*-0.47*	
07 71 13 00-0012	LF	>14" To 16" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	30.43	3.04
		For Up To 25 LF, Add	*5.07*	
		For >25 To 100 LF, Add	*2.53*	
		For >1,000 LF, Deduct	*-0.51*	
07 71 13 00-0013	LF	>16" To 22" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	35.40	3.19
		For Up To 25 LF, Add	*5.67*	
		For >25 To 100 LF, Add	*2.83*	
		For >1,000 LF, Deduct	*-0.53*	
07 71 13 00-0014	LF	>22" To 30" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	42.20	3.50
		For Up To 25 LF, Add	*6.56*	
		For >25 To 100 LF, Add	*3.28*	
		For >1,000 LF, Deduct	*-0.58*	
07 71 13 00-0015	LF	>30" To 42" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	52.30	3.66
		For Up To 25 LF, Add	*7.67*	
		For >25 To 100 LF, Add	*3.84*	
		For >1,000 LF, Deduct	*-0.61*	

07 71 13 00-0016 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0009)*

07 71 13 00-0017	LF	10" To 14" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	30.88	2.80
		For Up To 25 LF, Add	*4.96*	
		For >25 To 100 LF, Add	*2.48*	
		For >1,000 LF, Deduct	*-0.47*	
07 71 13 00-0018	LF	>14" To 16" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	32.97	3.04
		For Up To 25 LF, Add	*5.32*	
		For >25 To 100 LF, Add	*2.66*	
		For >1,000 LF, Deduct	*-0.51*	
07 71 13 00-0019	LF	>16" To 22" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	38.41	3.19
		For Up To 25 LF, Add	*5.97*	
		For >25 To 100 LF, Add	*2.98*	
		For >1,000 LF, Deduct	*-0.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 13 00-0020	LF	>22" To 30" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	45.84	3.50
		For Up To 25 LF, Add	*6.92*	
		For >25 To 100 LF, Add	*3.46*	
		For >1,000 LF, Deduct	*-0.58*	
07 71 13 00-0021	LF	>30" To 42" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	56.91	3.66
		For Up To 25 LF, Add	*8.13*	
		For >25 To 100 LF, Add	*4.07*	
		For >1,000 LF, Deduct	*-0.61*	

07 71 13 00-0022 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0009)*

07 71 13 00-0023	LF	10" To 14" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	32.84	2.80
		For Up To 25 LF, Add	*5.15*	
		For >25 To 100 LF, Add	*2.58*	
		For >1,000 LF, Deduct	*-0.47*	
07 71 13 00-0024	LF	>14" To 16" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	35.23	3.04
		For Up To 25 LF, Add	*5.55*	
		For >25 To 100 LF, Add	*2.77*	
		For >1,000 LF, Deduct	*-0.51*	
07 71 13 00-0025	LF	>16" To 22" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	42.15	3.19
		For Up To 25 LF, Add	*6.34*	
		For >25 To 100 LF, Add	*3.17*	
		For >1,000 LF, Deduct	*-0.53*	
07 71 13 00-0026	LF	>22" To 30" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	52.54	3.50
		For Up To 25 LF, Add	*7.59*	
		For >25 To 100 LF, Add	*3.80*	
		For >1,000 LF, Deduct	*-0.58*	
07 71 13 00-0027	LF	>30" To 42" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	67.76	3.66
		For Up To 25 LF, Add	*9.22*	
		For >25 To 100 LF, Add	*4.61*	
		For >1,000 LF, Deduct	*-0.61*	

07 71 13 00-0028 KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0008)*

Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.

07 71 13 00-0029 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0028)*

07 71 13 00-0030	LF	10" To 14" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	39.22	2.80
		For Up To 25 LF, Add	*5.79*	
		For >25 To 100 LF, Add	*2.90*	
		For >1,000 LF, Deduct	*-0.47*	
07 71 13 00-0031	LF	>14" To 16" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	41.85	3.04
		For Up To 25 LF, Add	*6.21*	
		For >25 To 100 LF, Add	*3.10*	
		For >1,000 LF, Deduct	*-0.51*	
07 71 13 00-0032	LF	>16" To 22" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	48.94	3.19
		For Up To 25 LF, Add	*7.02*	
		For >25 To 100 LF, Add	*3.51*	
		For >1,000 LF, Deduct	*-0.53*	
07 71 13 00-0033	LF	>22" To 30" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	58.57	3.50
		For Up To 25 LF, Add	*8.19*	
		For >25 To 100 LF, Add	*4.10*	
		For >1,000 LF, Deduct	*-0.58*	
07 71 13 00-0034	LF	>30" To 42" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	73.08	3.66
		For Up To 25 LF, Add	*9.75*	
		For >25 To 100 LF, Add	*4.87*	
		For >1,000 LF, Deduct	*-0.61*	

07 71 13 00-0035 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0028)*

07 71 13 00-0036	LF	10" To 14" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	42.67	2.80
		For Up To 25 LF, Add	*6.14*	
		For >25 To 100 LF, Add	*3.07*	
		For >1,000 LF, Deduct	*-0.47*	
07 71 13 00-0037	LF	>14" To 16" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	45.53	3.04
		For Up To 25 LF, Add	*6.58*	
		For >25 To 100 LF, Add	*3.29*	
		For >1,000 LF, Deduct	*-0.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 13 00-0038	LF	>16" To 22" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	53.30	3.19
		For Up To 25 LF, Add	*7.46*	
		For >25 To 100 LF, Add	*3.73*	
		For >1,000 LF, Deduct	*-0.53*	
07 71 13 00-0039	LF	>22" To 30" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	63.84	3.50
		For Up To 25 LF, Add	*8.72*	
		For >25 To 100 LF, Add	*4.36*	
		For >1,000 LF, Deduct	*-0.58*	
07 71 13 00-0040	LF	>30" To 42" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	79.78	3.66
		For Up To 25 LF, Add	*10.42*	
		For >25 To 100 LF, Add	*5.21*	
		For >1,000 LF, Deduct	*-0.61*	

07 71 13 00-0041 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0028)*

07 71 13 00-0042	LF	10" To 14" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	45.51	2.80
		For Up To 25 LF, Add	*6.42*	
		For >25 To 100 LF, Add	*3.21*	
		For >1,000 LF, Deduct	*-0.47*	
07 71 13 00-0043	LF	>14" To 16" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	48.81	3.04
		For Up To 25 LF, Add	*6.91*	
		For >25 To 100 LF, Add	*3.45*	
		For >1,000 LF, Deduct	*-0.51*	
07 71 13 00-0044	LF	>16" To 22" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	58.72	3.19
		For Up To 25 LF, Add	*8.00*	
		For >25 To 100 LF, Add	*4.00*	
		For >1,000 LF, Deduct	*-0.53*	
07 71 13 00-0045	LF	>22" To 30" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	73.56	3.50
		For Up To 25 LF, Add	*9.69*	
		For >25 To 100 LF, Add	*4.85*	
		For >1,000 LF, Deduct	*-0.58*	
07 71 13 00-0046	LF	>30" To 42" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	95.51	3.66
		For Up To 25 LF, Add	*11.99*	
		For >25 To 100 LF, Add	*6.00*	
		For >1,000 LF, Deduct	*-0.61*	

07 71 13 00-0047 Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0008)*

Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.

07 71 13 00-0048 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0047)*

07 71 13 00-0049	LF	10" To 14" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	41.29	2.80
		For Up To 25 LF, Add	*6.00*	
		For >25 To 100 LF, Add	*3.00*	
		For >1,000 LF, Deduct	*-0.47*	
07 71 13 00-0050	LF	>14" To 16" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	44.06	3.04
		For Up To 25 LF, Add	*6.43*	
		For >25 To 100 LF, Add	*3.22*	
		For >1,000 LF, Deduct	*-0.51*	
07 71 13 00-0051	LF	>16" To 22" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	51.55	3.19
		For Up To 25 LF, Add	*7.28*	
		For >25 To 100 LF, Add	*3.64*	
		For >1,000 LF, Deduct	*-0.53*	
07 71 13 00-0052	LF	>22" To 30" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	61.73	3.50
		For Up To 25 LF, Add	*8.51*	
		For >25 To 100 LF, Add	*4.25*	
		For >1,000 LF, Deduct	*-0.58*	
07 71 13 00-0053	LF	>30" To 42" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	77.10	3.66
		For Up To 25 LF, Add	*10.15*	
		For >25 To 100 LF, Add	*5.08*	
		For >1,000 LF, Deduct	*-0.61*	

07 71 13 00-0054 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0047)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 13 00-0055	LF	10" To 14" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	44.95	2.80
		For Up To 25 LF, Add	*6.36*	
		For >25 To 100 LF, Add	*3.18*	
		For >1,000 LF, Deduct	*-0.47*	
07 71 13 00-0056	LF	>14" To 16" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	47.96	3.04
		For Up To 25 LF, Add	*6.82*	
		For >25 To 100 LF, Add	*3.41*	
		For >1,000 LF, Deduct	*-0.51*	
07 71 13 00-0057	LF	>16" To 22" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	56.18	3.19
		For Up To 25 LF, Add	*7.75*	
		For >25 To 100 LF, Add	*3.87*	
		For >1,000 LF, Deduct	*-0.53*	
07 71 13 00-0058	LF	>22" To 30" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	67.32	3.50
		For Up To 25 LF, Add	*9.07*	
		For >25 To 100 LF, Add	*4.53*	
		For >1,000 LF, Deduct	*-0.58*	
07 71 13 00-0059	LF	>30" To 42" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	84.20	3.66
		For Up To 25 LF, Add	*10.86*	
		For >25 To 100 LF, Add	*5.43*	
		For >1,000 LF, Deduct	*-0.61*	

07 71 13 00-0060 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0047)*

07 71 13 00-0061	LF	10" To 14" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	47.96	2.80
		For Up To 25 LF, Add	*6.66*	
		For >25 To 100 LF, Add	*3.33*	
		For >1,000 LF, Deduct	*-0.47*	
07 71 13 00-0062	LF	>14" To 16" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	51.44	3.04
		For Up To 25 LF, Add	*7.17*	
		For >25 To 100 LF, Add	*3.58*	
		For >1,000 LF, Deduct	*-0.51*	
07 71 13 00-0063	LF	>16" To 22" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	61.92	3.19
		For Up To 25 LF, Add	*8.32*	
		For >25 To 100 LF, Add	*4.16*	
		For >1,000 LF, Deduct	*-0.53*	
07 71 13 00-0064	LF	>22" To 30" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	77.62	3.50
		For Up To 25 LF, Add	*10.10*	
		For >25 To 100 LF, Add	*5.05*	
		For >1,000 LF, Deduct	*-0.58*	
07 71 13 00-0065	LF	>30" To 42" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	100.87	3.66
		For Up To 25 LF, Add	*12.53*	
		For >25 To 100 LF, Add	*6.26*	
		For >1,000 LF, Deduct	*-0.61*	

07 71 19 Manufactured Gravel Stops and Fasciae *(07 71)*

07 71 19 00-0001 Gravel Stop *(07 71 19)*

07 71 19 00-0002 Aluminum Gravel Stop *(07 71 19 00-0001)*

07 71 19 00-0003 Aluminum Gravel Stop *(07 71 19 00-0002)*

07 71 19 00-0004 KYNAR 500® Finish, Aluminum Gravel Stop *(07 71 19 00-0003)*

07 71 19 00-0005 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop *(07 71 19 00-0004)*

07 71 19 00-0006	LF	4" To 6" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	42.19	2.21
		For Up To 25 LF, Add	*6.82*	
		For >25 To 100 LF, Add	*3.41*	
		For >1,000 LF, Deduct	*-0.65*	
07 71 19 00-0007	LF	>6" To 10" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	43.65	2.59
		For Up To 25 LF, Add	*7.43*	
		For >25 To 100 LF, Add	*3.71*	
		For >1,000 LF, Deduct	*-0.77*	
07 71 19 00-0008	LF	>10" To 18" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	45.15	2.85
		For Up To 25 LF, Add	*7.99*	
		For >25 To 100 LF, Add	*4.00*	
		For >1,000 LF, Deduct	*-0.87*	

07 71 19 00-0009 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop *(07 71 19 00-0004)*

07 71 19 00-0010	LF	4" To 6" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	44.82	2.21
		For Up To 25 LF, Add	*7.08*	
		For >25 To 100 LF, Add	*3.54*	
		For >1,000 LF, Deduct	*-0.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0011	LF	>6" To 10" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	46.39	2.59
		For Up To 25 LF, Add	*7.70*	
		For >25 To 100 LF, Add	*3.85*	
		For >1,000 LF, Deduct	*-0.77*	
07 71 19 00-0012	LF	>10" To 18" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	48.04	2.85
		For Up To 25 LF, Add	*8.28*	
		For >25 To 100 LF, Add	*4.14*	
		For >1,000 LF, Deduct	*-0.87*	
07 71 19 00-0013		**0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop** *(07 71 19 00-0004)*		
07 71 19 00-0014	LF	4" To 6" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	48.25	2.21
		For Up To 25 LF, Add	*7.42*	
		For >25 To 100 LF, Add	*3.71*	
		For >1,000 LF, Deduct	*-0.65*	
07 71 19 00-0015	LF	>6" To 10" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	49.67	2.59
		For Up To 25 LF, Add	*8.03*	
		For >25 To 100 LF, Add	*4.02*	
		For >1,000 LF, Deduct	*-0.77*	
07 71 19 00-0016	LF	>10" To 18" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	51.69	2.85
		For Up To 25 LF, Add	*8.65*	
		For >25 To 100 LF, Add	*4.32*	
		For >1,000 LF, Deduct	*-0.87*	
07 71 19 00-0017		**0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop** *(07 71 19 00-0004)*		
07 71 19 00-0018	LF	4" To 6" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	50.57	2.21
		For Up To 25 LF, Add	*7.65*	
		For >25 To 100 LF, Add	*3.83*	
		For >1,000 LF, Deduct	*-0.65*	
07 71 19 00-0019	LF	>6" To 10" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	52.08	2.59
		For Up To 25 LF, Add	*8.27*	
		For >25 To 100 LF, Add	*4.14*	
		For >1,000 LF, Deduct	*-0.77*	
07 71 19 00-0020	LF	>10" To 18" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	54.24	2.85
		For Up To 25 LF, Add	*8.90*	
		For >25 To 100 LF, Add	*4.45*	
		For >1,000 LF, Deduct	*-0.87*	
07 71 19 00-0021		**Mill Finish, Aluminum Gravel Stop** *(07 71 19 00-0003)*		
07 71 19 00-0022		**0.032" Thick, Mill Finish, Aluminum Gravel Stop** *(07 71 19 00-0021)*		
07 71 19 00-0023	LF	4" To 6" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop	27.62	2.21
		For Up To 25 LF, Add	*5.36*	
		For >25 To 100 LF, Add	*2.68*	
		For >1,000 LF, Deduct	*-0.65*	
07 71 19 00-0024	LF	>6" To 10" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop	29.81	2.59
		For Up To 25 LF, Add	*6.05*	
		For >25 To 100 LF, Add	*3.02*	
		For >1,000 LF, Deduct	*-0.77*	
07 71 19 00-0025	LF	>10" To 18" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop	32.01	2.85
		For Up To 25 LF, Add	*6.68*	
		For >25 To 100 LF, Add	*3.34*	
		For >1,000 LF, Deduct	*-0.87*	
07 71 19 00-0026		**0.040" Thick, Mill Finish, Aluminum Gravel Stop** *(07 71 19 00-0021)*		
07 71 19 00-0027	LF	4" To 6" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop	29.81	2.21
		For Up To 25 LF, Add	*5.58*	
		For >25 To 100 LF, Add	*2.79*	
		For >1,000 LF, Deduct	*-0.65*	
07 71 19 00-0028	LF	>6" To 10" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop	31.71	2.59
		For Up To 25 LF, Add	*6.24*	
		For >25 To 100 LF, Add	*3.12*	
		For >1,000 LF, Deduct	*-0.77*	
07 71 19 00-0029	LF	>10" To 18" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop	33.47	2.85
		For Up To 25 LF, Add	*6.82*	
		For >25 To 100 LF, Add	*3.41*	
		For >1,000 LF, Deduct	*-0.87*	
07 71 19 00-0030		**0.050" Thick, Mill Finish, Aluminum Gravel Stop** *(07 71 19 00-0021)*		
07 71 19 00-0031	LF	4" To 6" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop	32.00	2.21
		For Up To 25 LF, Add	*5.80*	
		For >25 To 100 LF, Add	*2.90*	
		For >1,000 LF, Deduct	*-0.65*	
07 71 19 00-0032	LF	>6" To 10" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop	33.90	2.59
		For Up To 25 LF, Add	*6.45*	
		For >25 To 100 LF, Add	*3.23*	
		For >1,000 LF, Deduct	*-0.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0033	LF	>10" To 18" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop	35.84	2.85
		For Up To 25 LF, Add	*7.06*	
		For >25 To 100 LF, Add	*3.53*	
		For >1,000 LF, Deduct	*-0.87*	

07 71 19 00-0034 0.063" Thick, Mill Finish, Aluminum Gravel Stop *(07 71 19 00-0021)*

07 71 19 00-0035	LF	4" To 6" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop	34.36	2.21
		For Up To 25 LF, Add	*6.03*	
		For >25 To 100 LF, Add	*3.02*	
		For >1,000 LF, Deduct	*-0.65*	
07 71 19 00-0036	LF	>6" To 10" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop	36.08	2.59
		For Up To 25 LF, Add	*6.67*	
		For >25 To 100 LF, Add	*3.34*	
		For >1,000 LF, Deduct	*-0.77*	
07 71 19 00-0037	LF	>10" To 18" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop	37.59	2.85
		For Up To 25 LF, Add	*7.24*	
		For >25 To 100 LF, Add	*3.62*	
		For >1,000 LF, Deduct	*-0.87*	

07 71 19 00-0038 Clear Anodized Finish, Aluminum Gravel Stop *(07 71 19 00-0003)*

07 71 19 00-0039 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop *(07 71 19 00-0038)*

07 71 19 00-0040	LF	4" To 6" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop	50.28	2.21
		For Up To 25 LF, Add	*7.62*	
		For >25 To 100 LF, Add	*3.81*	
		For >1,000 LF, Deduct	*-0.65*	
07 71 19 00-0041	LF	>6" To 10" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop	52.09	2.59
		For Up To 25 LF, Add	*8.27*	
		For >25 To 100 LF, Add	*4.14*	
		For >1,000 LF, Deduct	*-0.77*	
07 71 19 00-0042	LF	>10" To 18" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop	53.71	2.85
		For Up To 25 LF, Add	*8.85*	
		For >25 To 100 LF, Add	*4.42*	
		For >1,000 LF, Deduct	*-0.87*	

07 71 19 00-0043 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop *(07 71 19 00-0038)*

07 71 19 00-0044	LF	4" To 6" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop	53.44	2.21
		For Up To 25 LF, Add	*7.94*	
		For >25 To 100 LF, Add	*3.97*	
		For >1,000 LF, Deduct	*-0.65*	
07 71 19 00-0045	LF	>6" To 10" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop	55.38	2.59
		For Up To 25 LF, Add	*8.60*	
		For >25 To 100 LF, Add	*4.30*	
		For >1,000 LF, Deduct	*-0.77*	
07 71 19 00-0046	LF	>10" To 18" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop	57.15	2.85
		For Up To 25 LF, Add	*9.19*	
		For >25 To 100 LF, Add	*4.60*	
		For >1,000 LF, Deduct	*-0.87*	

07 71 19 00-0047 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop *(07 71 19 00-0038)*

07 71 19 00-0048	LF	4" To 6" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop	57.55	2.21
		For Up To 25 LF, Add	*8.35*	
		For >25 To 100 LF, Add	*4.18*	
		For >1,000 LF, Deduct	*-0.65*	
07 71 19 00-0049	LF	>6" To 10" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop	59.31	2.59
		For Up To 25 LF, Add	*9.00*	
		For >25 To 100 LF, Add	*4.50*	
		For >1,000 LF, Deduct	*-0.77*	
07 71 19 00-0050	LF	>10" To 18" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop	60.80	2.85
		For Up To 25 LF, Add	*9.56*	
		For >25 To 100 LF, Add	*4.78*	
		For >1,000 LF, Deduct	*-0.87*	

07 71 19 00-0051 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop *(07 71 19 00-0038)*

07 71 19 00-0052	LF	4" To 6" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop	60.34	2.21
		For Up To 25 LF, Add	*8.63*	
		For >25 To 100 LF, Add	*4.32*	
		For >1,000 LF, Deduct	*-0.65*	
07 71 19 00-0053	LF	>6" To 10" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop	62.21	2.59
		For Up To 25 LF, Add	*9.29*	
		For >25 To 100 LF, Add	*4.64*	
		For >1,000 LF, Deduct	*-0.77*	
07 71 19 00-0054	LF	>10" To 18" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop	63.80	2.85
		For Up To 25 LF, Add	*9.86*	
		For >25 To 100 LF, Add	*4.93*	
		For >1,000 LF, Deduct	*-0.87*	

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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0055		Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0002)* Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0056		KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0055)*		
07 71 19 00-0057		0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0056)*		
07 71 19 00-0058	LF	4" To 6" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	47.57	2.34
		For Up To 25 LF, Add	*7.61*	
		For >25 To 100 LF, Add	*3.80*	
		For >1,000 LF, Deduct	*-0.71*	
07 71 19 00-0059	LF	>6" To 10" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	50.62	2.79
		For Up To 25 LF, Add	*8.43*	
		For >25 To 100 LF, Add	*4.22*	
		For >1,000 LF, Deduct	*-0.84*	
07 71 19 00-0060	LF	>10" To 18" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	54.08	3.18
		For Up To 25 LF, Add	*9.25*	
		For >25 To 100 LF, Add	*4.62*	
		For >1,000 LF, Deduct	*-0.96*	
07 71 19 00-0061		0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0056)*		
07 71 19 00-0062	LF	4" To 6" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	50.20	2.34
		For Up To 25 LF, Add	*7.87*	
		For >25 To 100 LF, Add	*3.94*	
		For >1,000 LF, Deduct	*-0.71*	
07 71 19 00-0063	LF	>6" To 10" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	53.36	2.79
		For Up To 25 LF, Add	*8.71*	
		For >25 To 100 LF, Add	*4.35*	
		For >1,000 LF, Deduct	*-0.84*	
07 71 19 00-0064	LF	>10" To 18" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	56.97	3.18
		For Up To 25 LF, Add	*9.54*	
		For >25 To 100 LF, Add	*4.77*	
		For >1,000 LF, Deduct	*-0.96*	
07 71 19 00-0065		0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0056)*		
07 71 19 00-0066	LF	4" To 6" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	53.62	2.34
		For Up To 25 LF, Add	*8.21*	
		For >25 To 100 LF, Add	*4.11*	
		For >1,000 LF, Deduct	*-0.71*	
07 71 19 00-0067	LF	>6" To 10" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	56.64	2.79
		For Up To 25 LF, Add	*9.04*	
		For >25 To 100 LF, Add	*4.52*	
		For >1,000 LF, Deduct	*-0.84*	
07 71 19 00-0068	LF	>10" To 18" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	60.61	3.18
		For Up To 25 LF, Add	*9.90*	
		For >25 To 100 LF, Add	*4.95*	
		For >1,000 LF, Deduct	*-0.96*	
07 71 19 00-0069		0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0056)*		
07 71 19 00-0070	LF	4" To 6" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	55.95	2.34
		For Up To 25 LF, Add	*8.45*	
		For >25 To 100 LF, Add	*4.22*	
		For >1,000 LF, Deduct	*-0.71*	
07 71 19 00-0071	LF	>6" To 10" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	59.05	2.79
		For Up To 25 LF, Add	*9.28*	
		For >25 To 100 LF, Add	*4.64*	
		For >1,000 LF, Deduct	*-0.84*	
07 71 19 00-0072	LF	>10" To 18" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	63.16	3.18
		For Up To 25 LF, Add	*10.16*	
		For >25 To 100 LF, Add	*5.08*	
		For >1,000 LF, Deduct	*-0.96*	
07 71 19 00-0073		Mill Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0055)*		
07 71 19 00-0074		0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0073)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0075	LF	4" To 6" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	35.02	2.34
		For Up To 25 LF, Add	*6.35*	
		For >25 To 100 LF, Add	*3.18*	
		For >1,000 LF, Deduct	*-0.71*	
07 71 19 00-0076	LF	>6" To 10" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	37.52	2.79
		For Up To 25 LF, Add	*7.12*	
		For >25 To 100 LF, Add	*3.56*	
		For >1,000 LF, Deduct	*-0.84*	
07 71 19 00-0077	LF	>10" To 18" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	40.39	3.18
		For Up To 25 LF, Add	*7.88*	
		For >25 To 100 LF, Add	*3.94*	
		For >1,000 LF, Deduct	*-0.96*	

07 71 19 00-0078 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0073)*

07 71 19 00-0079	LF	4" To 6" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	36.83	2.34
		For Up To 25 LF, Add	*6.54*	
		For >25 To 100 LF, Add	*3.27*	
		For >1,000 LF, Deduct	*-0.71*	
07 71 19 00-0080	LF	>6" To 10" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	39.41	2.79
		For Up To 25 LF, Add	*7.31*	
		For >25 To 100 LF, Add	*3.66*	
		For >1,000 LF, Deduct	*-0.84*	
07 71 19 00-0081	LF	>10" To 18" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	42.39	3.18
		For Up To 25 LF, Add	*8.08*	
		For >25 To 100 LF, Add	*4.04*	
		For >1,000 LF, Deduct	*-0.96*	

07 71 19 00-0082 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0073)*

07 71 19 00-0083	LF	4" To 6" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	39.20	2.34
		For Up To 25 LF, Add	*6.77*	
		For >25 To 100 LF, Add	*3.39*	
		For >1,000 LF, Deduct	*-0.71*	
07 71 19 00-0084	LF	>6" To 10" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	41.68	2.79
		For Up To 25 LF, Add	*7.54*	
		For >25 To 100 LF, Add	*3.77*	
		For >1,000 LF, Deduct	*-0.84*	
07 71 19 00-0085	LF	>10" To 18" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	44.76	3.18
		For Up To 25 LF, Add	*8.32*	
		For >25 To 100 LF, Add	*4.16*	
		For >1,000 LF, Deduct	*-0.96*	

07 71 19 00-0086 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0073)*

07 71 19 00-0087	LF	4" To 6" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	40.80	2.34
		For Up To 25 LF, Add	*6.93*	
		For >25 To 100 LF, Add	*3.47*	
		For >1,000 LF, Deduct	*-0.71*	
07 71 19 00-0088	LF	>6" To 10" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	43.34	2.79
		For Up To 25 LF, Add	*7.71*	
		For >25 To 100 LF, Add	*3.85*	
		For >1,000 LF, Deduct	*-0.84*	
07 71 19 00-0089	LF	>10" To 18" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	46.52	3.18
		For Up To 25 LF, Add	*8.49*	
		For >25 To 100 LF, Add	*4.25*	
		For >1,000 LF, Deduct	*-0.96*	

07 71 19 00-0090 Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0055)*

07 71 19 00-0091 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0090)*

07 71 19 00-0092	LF	4" To 6" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	55.66	2.34
		For Up To 25 LF, Add	*8.42*	
		For >25 To 100 LF, Add	*4.21*	
		For >1,000 LF, Deduct	*-0.71*	
07 71 19 00-0093	LF	>6" To 10" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	59.05	2.79
		For Up To 25 LF, Add	*9.28*	
		For >25 To 100 LF, Add	*4.64*	
		For >1,000 LF, Deduct	*-0.84*	
07 71 19 00-0094	LF	>10" To 18" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	62.63	3.18
		For Up To 25 LF, Add	*10.10*	
		For >25 To 100 LF, Add	*5.05*	
		For >1,000 LF, Deduct	*-0.96*	

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LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0095		**0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat** *(07 71 19 00-0090)*		
07 71 19 00-0096	LF	4" To 6" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	58.81	2.34
		For Up To 25 LF, Add	*8.73*	
		For >25 To 100 LF, Add	*4.37*	
		For >1,000 LF, Deduct	*-0.71*	
07 71 19 00-0097	LF	>6" To 10" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	62.34	2.79
		For Up To 25 LF, Add	*9.61*	
		For >25 To 100 LF, Add	*4.80*	
		For >1,000 LF, Deduct	*-0.84*	
07 71 19 00-0098	LF	>10" To 18" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	66.08	3.18
		For Up To 25 LF, Add	*10.45*	
		For >25 To 100 LF, Add	*5.22*	
		For >1,000 LF, Deduct	*-0.96*	
07 71 19 00-0099		**0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat** *(07 71 19 00-0090)*		
07 71 19 00-0100	LF	4" To 6" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	62.92	2.34
		For Up To 25 LF, Add	*9.14*	
		For >25 To 100 LF, Add	*4.57*	
		For >1,000 LF, Deduct	*-0.71*	
07 71 19 00-0101	LF	>6" To 10" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	66.28	2.79
		For Up To 25 LF, Add	*10.00*	
		For >25 To 100 LF, Add	*5.00*	
		For >1,000 LF, Deduct	*-0.84*	
07 71 19 00-0102	LF	>10" To 18" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	69.72	3.18
		For Up To 25 LF, Add	*10.81*	
		For >25 To 100 LF, Add	*5.41*	
		For >1,000 LF, Deduct	*-0.96*	
07 71 19 00-0103		**0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat** *(07 71 19 00-0090)*		
07 71 19 00-0104	LF	4" To 6" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	65.71	2.34
		For Up To 25 LF, Add	*9.42*	
		For >25 To 100 LF, Add	*4.71*	
		For >1,000 LF, Deduct	*-0.71*	
07 71 19 00-0105	LF	>6" To 10" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	69.17	2.79
		For Up To 25 LF, Add	*10.29*	
		For >25 To 100 LF, Add	*5.14*	
		For >1,000 LF, Deduct	*-0.84*	
07 71 19 00-0106	LF	>10" To 18" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	72.73	3.18
		For Up To 25 LF, Add	*11.11*	
		For >25 To 100 LF, Add	*5.56*	
		For >1,000 LF, Deduct	*-0.96*	
07 71 19 00-0107		**Stainless Steel Gravel Stop** *(07 71 19 00-0001)*		
07 71 19 00-0108		**Stainless Steel Gravel Stop** *(07 71 19 00-0107)*		
07 71 19 00-0109		**26 Gauge, Stainless Steel Gravel Stop** *(07 71 19 00-0108)*		
07 71 19 00-0110	LF	4" To 6" Face Height, 26 Gauge, Stainless Steel Gravel Stop	40.46	2.21
		For Up To 25 LF, Add	*6.64*	
		For >25 To 100 LF, Add	*3.32*	
		For >1,000 LF, Deduct	*-0.65*	
07 71 19 00-0111	LF	>6" To 10" Face Height, 26 Gauge, Stainless Steel Gravel Stop	53.13	2.59
		For Up To 25 LF, Add	*8.38*	
		For >25 To 100 LF, Add	*4.19*	
		For >1,000 LF, Deduct	*-0.77*	
07 71 19 00-0112	LF	>10" To 18" Face Height, 26 Gauge, Stainless Steel Gravel Stop	78.69	2.85
		For Up To 25 LF, Add	*11.35*	
		For >25 To 100 LF, Add	*5.67*	
		For >1,000 LF, Deduct	*-0.87*	
07 71 19 00-0113		**24 Gauge, Stainless Steel Gravel Stop** *(07 71 19 00-0108)*		
07 71 19 00-0114	LF	4" To 6" Face Height, 24 Gauge, Stainless Steel Gravel Stop	50.32	2.21
		For Up To 25 LF, Add	*7.63*	
		For >25 To 100 LF, Add	*3.81*	
		For >1,000 LF, Deduct	*-0.65*	
07 71 19 00-0115	LF	>6" To 10" Face Height, 24 Gauge, Stainless Steel Gravel Stop	66.27	2.59
		For Up To 25 LF, Add	*9.69*	
		For >25 To 100 LF, Add	*4.85*	
		For >1,000 LF, Deduct	*-0.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0116	LF	>10" To 18" Face Height, 24 Gauge, Stainless Steel Gravel Stop	98.40	2.85
		For Up To 25 LF, Add	*13.32*	
		For >25 To 100 LF, Add	*6.66*	
		For >1,000 LF, Deduct	*-0.87*	

07 71 19 00-0117 22 Gauge, Stainless Steel Gravel Stop *(07 71 19 00-0108)*

07 71 19 00-0118	LF	4" To 6" Face Height, 22 Gauge, Stainless Steel Gravel Stop	60.79	2.21
		For Up To 25 LF, Add	*8.68*	
		For >25 To 100 LF, Add	*4.34*	
		For >1,000 LF, Deduct	*-0.65*	
07 71 19 00-0119	LF	>6" To 10" Face Height, 22 Gauge, Stainless Steel Gravel Stop	80.23	2.59
		For Up To 25 LF, Add	*11.09*	
		For >25 To 100 LF, Add	*5.54*	
		For >1,000 LF, Deduct	*-0.77*	
07 71 19 00-0120	LF	>10" To 18" Face Height, 22 Gauge, Stainless Steel Gravel Stop	119.34	2.85
		For Up To 25 LF, Add	*15.41*	
		For >25 To 100 LF, Add	*7.71*	
		For >1,000 LF, Deduct	*-0.87*	

07 71 19 00-0121 Stainless Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0107)*

Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.

07 71 19 00-0122 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0121)*

07 71 19 00-0123	LF	4" To 6" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	47.78	2.34
		For Up To 25 LF, Add	*7.63*	
		For >25 To 100 LF, Add	*3.82*	
		For >1,000 LF, Deduct	*-0.71*	
07 71 19 00-0124	LF	>6" To 10" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	62.62	2.79
		For Up To 25 LF, Add	*9.63*	
		For >25 To 100 LF, Add	*4.82*	
		For >1,000 LF, Deduct	*-0.84*	
07 71 19 00-0125	LF	>10" To 18" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	90.89	3.18
		For Up To 25 LF, Add	*12.93*	
		For >25 To 100 LF, Add	*6.46*	
		For >1,000 LF, Deduct	*-0.96*	

07 71 19 00-0126 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0121)*

07 71 19 00-0127	LF	4" To 6" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	57.63	2.34
		For Up To 25 LF, Add	*8.62*	
		For >25 To 100 LF, Add	*4.31*	
		For >1,000 LF, Deduct	*-0.71*	
07 71 19 00-0128	LF	>6" To 10" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	75.76	2.79
		For Up To 25 LF, Add	*10.95*	
		For >25 To 100 LF, Add	*5.47*	
		For >1,000 LF, Deduct	*-0.84*	
07 71 19 00-0129	LF	>10" To 18" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	110.60	3.18
		For Up To 25 LF, Add	*14.90*	
		For >25 To 100 LF, Add	*7.45*	
		For >1,000 LF, Deduct	*-0.96*	

07 71 19 00-0130 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0121)*

07 71 19 00-0131	LF	4" To 6" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	68.10	2.34
		For Up To 25 LF, Add	*9.66*	
		For >25 To 100 LF, Add	*4.83*	
		For >1,000 LF, Deduct	*-0.71*	
07 71 19 00-0132	LF	>6" To 10" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	89.72	2.79
		For Up To 25 LF, Add	*12.34*	
		For >25 To 100 LF, Add	*6.17*	
		For >1,000 LF, Deduct	*-0.84*	
07 71 19 00-0133	LF	>10" To 18" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	131.54	3.18
		For Up To 25 LF, Add	*16.99*	
		For >25 To 100 LF, Add	*8.50*	
		For >1,000 LF, Deduct	*-0.96*	

07 71 19 00-0134 Galvanized Steel Gravel Stop *(07 71 19 00-0001)*

07 71 19 00-0135 Galvanized Steel Gravel Stop *(07 71 19 00-0134)*

07 71 19 00-0136 KYNAR 500® Finish, Galvanized Steel Gravel Stop *(07 71 19 00-0135)*

07 71 19 00-0137 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop *(07 71 19 00-0136)*

07 71 19 00-0138	LF	4" To 6" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop	38.74	2.21
		For Up To 25 LF, Add	*6.47*	
		For >25 To 100 LF, Add	*3.24*	
		For >1,000 LF, Deduct	*-0.65*	
07 71 19 00-0139	LF	>6" To 10" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop	40.13	2.59
		For Up To 25 LF, Add	*7.08*	
		For >25 To 100 LF, Add	*3.54*	
		For >1,000 LF, Deduct	*-0.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0140	LF	>10" To 18" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop	41.80	2.85
		For Up To 25 LF, Add	*7.66*	
		For >25 To 100 LF, Add	*3.83*	
		For >1,000 LF, Deduct	*-0.87*	

07 71 19 00-0141 Galvanized Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0134)*

Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.

07 71 19 00-0142 KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0141)*

07 71 19 00-0143 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0142)*

07 71 19 00-0144	LF	4" To 6" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat	44.27	2.34
		For Up To 25 LF, Add	*7.28*	
		For >25 To 100 LF, Add	*3.64*	
		For >1,000 LF, Deduct	*-0.71*	
07 71 19 00-0145	LF	>6" To 10" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat	47.30	2.79
		For Up To 25 LF, Add	*8.10*	
		For >25 To 100 LF, Add	*4.05*	
		For >1,000 LF, Deduct	*-0.84*	
07 71 19 00-0146	LF	>10" To 18" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat	50.99	3.18
		For Up To 25 LF, Add	*8.94*	
		For >25 To 100 LF, Add	*4.47*	
		For >1,000 LF, Deduct	*-0.96*	

07 71 19 00-0147 Copper Gravel Stop *(07 71 19 00-0001)*

07 71 19 00-0148 Copper Gravel Stop *(07 71 19 00-0147)*

07 71 19 00-0149 20 Ounce, Copper Gravel Stop *(07 71 19 00-0148)*

07 71 19 00-0150	LF	4" To 6" Face Height, 20 Ounce, Copper Gravel Stop	64.63	2.21
		For Up To 25 LF, Add	*9.06*	
		For >25 To 100 LF, Add	*4.53*	
		For >1,000 LF, Deduct	*-0.65*	
07 71 19 00-0151	LF	>6" To 10" Face Height, 20 Ounce, Copper Gravel Stop	74.02	2.59
		For Up To 25 LF, Add	*10.47*	
		For >25 To 100 LF, Add	*5.23*	
		For >1,000 LF, Deduct	*-0.77*	
07 71 19 00-0152	LF	>10" To 18" Face Height, 20 Ounce, Copper Gravel Stop	85.50	2.85
		For Up To 25 LF, Add	*12.03*	
		For >25 To 100 LF, Add	*6.01*	
		For >1,000 LF, Deduct	*-0.87*	

07 71 19 00-0153 16 Ounce, Copper Gravel Stop *(07 71 19 00-0148)*

07 71 19 00-0154	LF	4" To 6" Face Height, 16 Ounce, Copper Gravel Stop	78.43	2.21
		For Up To 25 LF, Add	*10.44*	
		For >25 To 100 LF, Add	*5.22*	
		For >1,000 LF, Deduct	*-0.65*	
07 71 19 00-0155	LF	>6" To 10" Face Height, 16 Ounce, Copper Gravel Stop	90.88	2.59
		For Up To 25 LF, Add	*12.15*	
		For >25 To 100 LF, Add	*6.08*	
		For >1,000 LF, Deduct	*-0.77*	
07 71 19 00-0156	LF	>10" To 18" Face Height, 16 Ounce, Copper Gravel Stop	103.89	2.85
		For Up To 25 LF, Add	*13.87*	
		For >25 To 100 LF, Add	*6.93*	
		For >1,000 LF, Deduct	*-0.87*	

07 71 19 00-0157 Copper Gravel Stop System With Continuous Cleat *(07 71 19 00-0147)*

Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.

07 71 19 00-0158 20 Ounce, Copper Gravel Stop System With Continuous Cleat *(07 71 19 00-0157)*

07 71 19 00-0159	LF	4" To 6" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat	67.27	2.34
		For Up To 25 LF, Add	*9.58*	
		For >25 To 100 LF, Add	*4.79*	
		For >1,000 LF, Deduct	*-0.71*	
07 71 19 00-0160	LF	>6" To 10" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat	77.39	2.79
		For Up To 25 LF, Add	*11.11*	
		For >25 To 100 LF, Add	*5.56*	
		For >1,000 LF, Deduct	*-0.84*	
07 71 19 00-0161	LF	>10" To 18" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat	89.78	3.18
		For Up To 25 LF, Add	*12.82*	
		For >25 To 100 LF, Add	*6.41*	
		For >1,000 LF, Deduct	*-0.96*	

07 71 19 00-0162 16 Ounce, Copper Gravel Stop System With Continuous Cleat *(07 71 19 00-0157)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0163	LF	4" To 6" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat	81.06	2.34
		For Up To 25 LF, Add	*10.96*	
		For >25 To 100 LF, Add	*5.48*	
		For >1,000 LF, Deduct	*-0.71*	
07 71 19 00-0164	LF	>6" To 10" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat	94.25	2.79
		For Up To 25 LF, Add	*12.80*	
		For >25 To 100 LF, Add	*6.40*	
		For >1,000 LF, Deduct	*-0.84*	
07 71 19 00-0165	LF	>10" To 18" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat	108.17	3.18
		For Up To 25 LF, Add	*14.66*	
		For >25 To 100 LF, Add	*7.33*	
		For >1,000 LF, Deduct	*-0.96*	

07 71 19 00-0166 Fascia *(07 71 19)*

07 71 19 00-0167 Snap-On Cover Fascia *(07 71 19 00-0166)*

Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.

07 71 19 00-0168 Galvanized Steel Snap-On Cover Fascia *(07 71 19 00-0167)*

07 71 19 00-0169 KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia *(07 71 19 00-0168)*

07 71 19 00-0170 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia *(07 71 19 00-0169)*

07 71 19 00-0171	LF	3" To 5" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat	47.30	3.25
		For Up To 25 LF, Add	*7.33*	
		For >25 To 100 LF, Add	*3.66*	
		For >1,000 LF, Deduct	*-0.65*	
07 71 19 00-0172	LF	>5" To 7" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat	53.19	3.37
		For Up To 25 LF, Add	*8.02*	
		For >25 To 100 LF, Add	*4.01*	
		For >1,000 LF, Deduct	*-0.68*	
07 71 19 00-0173	LF	>7" To 9" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat	56.96	3.50
		For Up To 25 LF, Add	*8.50*	
		For >25 To 100 LF, Add	*4.25*	
		For >1,000 LF, Deduct	*-0.70*	

07 71 19 00-0174 Accessories For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems *(07 71 19 00-0169)*

07 71 19 00-0175 Fascia Sumps For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems *(07 71 19 00-0174)*

07 71 19 00-0176	EA	Fascia Sump For 3" To 5" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	327.97	4.54
07 71 19 00-0177	EA	Fascia Sump For >5" To 7" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	350.28	4.54
07 71 19 00-0178	EA	Fascia Sump For >7" To 9" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	364.29	4.54

07 71 19 00-0179 Fascia Spillout Scuppers For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems *(07 71 19 00-0174)*

07 71 19 00-0180	EA	Fascia Spillout Scupper For 3" To 5" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	267.22	4.54
07 71 19 00-0181	EA	Fascia Spillout Scupper For >5" To 7" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	278.48	4.54
07 71 19 00-0182	EA	Fascia Spillout Scupper For >7" To 9" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	285.34	4.54

07 71 19 00-0183 Aluminum Snap-On Cover Fascia *(07 71 19 00-0167)*

07 71 19 00-0184 KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0183)*

07 71 19 00-0185 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0184)*

07 71 19 00-0186	LF	3" To 5" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	26.91	3.25
		For Up To 25 LF, Add	*5.29*	
		For >25 To 100 LF, Add	*2.64*	
		For >1,000 LF, Deduct	*-0.65*	
07 71 19 00-0187	LF	>5" To 7" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	30.39	3.37
		For Up To 25 LF, Add	*5.74*	
		For >25 To 100 LF, Add	*2.87*	
		For >1,000 LF, Deduct	*-0.68*	
07 71 19 00-0188	LF	>7" To 9" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	32.23	3.50
		For Up To 25 LF, Add	*6.03*	
		For >25 To 100 LF, Add	*3.01*	
		For >1,000 LF, Deduct	*-0.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0189		0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0184)*		
07 71 19 00-0190	LF	3" To 5" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	28.24	3.25
		For Up To 25 LF, Add	*5.42*	
		For >25 To 100 LF, Add	*2.71*	
		For >1,000 LF, Deduct	*-0.65*	
07 71 19 00-0191	LF	>5" To 7" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	32.11	3.37
		For Up To 25 LF, Add	*5.91*	
		For >25 To 100 LF, Add	*2.96*	
		For >1,000 LF, Deduct	*-0.68*	
07 71 19 00-0192	LF	>7" To 9" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	34.16	3.50
		For Up To 25 LF, Add	*6.22*	
		For >25 To 100 LF, Add	*3.11*	
		For >1,000 LF, Deduct	*-0.70*	
07 71 19 00-0193		Accessories For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0184)*		
07 71 19 00-0194		Fascia Sumps For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0193)*		
07 71 19 00-0195	EA	Fascia Sump For 3" To 5" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	171.58	4.54
07 71 19 00-0196	EA	Fascia Sump For >5" To 7" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	186.02	4.54
07 71 19 00-0197	EA	Fascia Sump For >7" To 9" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	192.33	4.54
07 71 19 00-0198		Fascia Spillout Scuppers For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0193)*		
07 71 19 00-0199	EA	Fascia Spillout Scupper For 3" To 5" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	136.01	4.54
07 71 19 00-0200	EA	Fascia Spillout Scupper For >5" To 7" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	143.19	4.54
07 71 19 00-0201	EA	Fascia Spillout Scupper For >7" To 9" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	146.34	4.54
07 71 19 00-0202		Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0183)*		
07 71 19 00-0203		0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0202)*		
07 71 19 00-0204	LF	3" To 5" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	30.99	3.25
		For Up To 25 LF, Add	*5.70*	
		For >25 To 100 LF, Add	*2.85*	
		For >1,000 LF, Deduct	*-0.65*	
07 71 19 00-0205	LF	>5" To 7" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	35.12	3.37
		For Up To 25 LF, Add	*6.21*	
		For >25 To 100 LF, Add	*3.11*	
		For >1,000 LF, Deduct	*-0.68*	
07 71 19 00-0206	LF	>7" To 9" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	37.28	3.50
		For Up To 25 LF, Add	*6.53*	
		For >25 To 100 LF, Add	*3.27*	
		For >1,000 LF, Deduct	*-0.70*	
07 71 19 00-0207		0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0202)*		
07 71 19 00-0208	LF	3" To 5" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	32.60	3.25
		For Up To 25 LF, Add	*5.86*	
		For >25 To 100 LF, Add	*2.93*	
		For >1,000 LF, Deduct	*-0.65*	
07 71 19 00-0209	LF	>5" To 7" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	37.18	3.37
		For Up To 25 LF, Add	*6.42*	
		For >25 To 100 LF, Add	*3.21*	
		For >1,000 LF, Deduct	*-0.68*	
07 71 19 00-0210	LF	>7" To 9" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	39.59	3.50
		For Up To 25 LF, Add	*6.76*	
		For >25 To 100 LF, Add	*3.38*	
		For >1,000 LF, Deduct	*-0.70*	

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CSI		MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0211			Accessories For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0202)*		
07 71 19 00-0212			Fascia Sumps For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0211)*		
07 71 19 00-0213		EA	Fascia Sump For 3" To 5" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	212.21	4.54
07 71 19 00-0214		EA	Fascia Sump For >5" To 7" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	230.25	4.54
07 71 19 00-0215		EA	Fascia Sump For >7" To 9" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	238.14	4.54
07 71 19 00-0216			Fascia Spillout Scuppers For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0211)*		
07 71 19 00-0217		EA	Fascia Spillout Scupper For 3" To 5" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	167.74	4.54
07 71 19 00-0218		EA	Fascia Spillout Scupper For >5" To 7" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	176.72	4.54
07 71 19 00-0219		EA	Fascia Spillout Scupper For >7" To 9" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	180.65	4.54
07 71 23			**Manufactured Gutters and Downspouts** *(07 71)*		
			Note: Includes all necessary support straps.		
07 71 23 00-0001			Aluminum Gutters And Downspouts *(07 71 23)*		
07 71 23 00-0002			Aluminum Gutters *(07 71 23 00-0001)*		
			Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0003			K-Style Aluminum Gutters *(07 71 23 00-0002)*		
07 71 23 00-0004		LF	5", 0.027" Thick, K-Style Aluminum Gutter	11.18	4.72
			For Up To 100', Add	*2.29*	
			For >100' To 250', Add	*0.95*	
			For >1,000', Deduct	*-0.78*	
			For Kynar 500® Finish, Add	*1.53*	
07 71 23 00-0005		LF	6", 0.027" Thick, K-Style Aluminum Gutter	12.49	4.98
			For Up To 100', Add	*2.47*	
			For >100' To 250', Add	*1.03*	
			For >1,000', Deduct	*-0.82*	
			For Kynar 500® Finish, Add	*1.94*	
07 71 23 00-0006		LF	5", 0.032" Thick, K-Style Aluminum Gutter	11.67	4.72
			For Up To 100', Add	*2.34*	
			For >100' To 250', Add	*0.97*	
			For >1,000', Deduct	*-0.78*	
			For Kynar 500® Finish, Add	*1.75*	
07 71 23 00-0007		LF	6", 0.032" Thick, K-Style Aluminum Gutter	13.12	4.98
			For Up To 100', Add	*2.54*	
			For >100' To 250', Add	*1.06*	
			For >1,000', Deduct	*-0.82*	
			For Kynar 500® Finish, Add	*2.23*	
07 71 23 00-0008		LF	7", 0.032" Thick, K-Style Aluminum Gutter	24.81	5.23
			For Up To 100', Add	*3.80*	
			For >100' To 250', Add	*1.68*	
			For >1,000', Deduct	*-0.88*	
			For Kynar 500® Finish, Add	*7.20*	
07 71 23 00-0009		LF	8", 0.032" Thick, K-Style Aluminum Gutter	27.20	5.87
			For Up To 100', Add	*4.18*	
			For >100' To 250', Add	*1.85*	
			For >1,000', Deduct	*-0.97*	
			For Kynar 500® Finish, Add	*7.88*	
07 71 23 00-0010		LF	8", 0.040" Thick, K-Style Aluminum Gutter	30.58	5.87
			For Up To 100', Add	*4.51*	
			For >100' To 250', Add	*2.01*	
			For >1,000', Deduct	*-0.97*	
			For Kynar 500® Finish, Add	*9.40*	
07 71 23 00-0011			Half Round Aluminum Gutters *(07 71 23 00-0002)*		
07 71 23 00-0012		LF	5", 0.027" Thick, Half Round Aluminum Gutter	20.96	4.72
			For Up To 100', Add	*3.26*	
			For >100' To 250', Add	*1.44*	
			For >1,000', Deduct	*-0.78*	
			For Kynar 500® Finish, Add	*5.93*	
07 71 23 00-0013		LF	6", 0.032" Thick, Half Round Aluminum Gutter	25.32	4.98
			For Up To 100', Add	*3.76*	
			For >100' To 250', Add	*1.67*	
			For >1,000', Deduct	*-0.82*	
			For Kynar 500® Finish, Add	*7.72*	
07 71 23 00-0014			Box Style Aluminum Gutters *(07 71 23 00-0002)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0015	LF	6", 0.027" Thick, Box Style Aluminum Gutter	21.92	5.87
		For Up To 100', Add	*3.65*	
		For >100' To 250', Add	*1.58*	
		For >1,000', Deduct	*-0.97*	
		For Kynar 500® Finish, Add	*5.50*	
07 71 23 00-0016	LF	6", 0.032" Thick, Box Style Aluminum Gutter	21.98	5.87
		For Up To 100', Add	*3.65*	
		For >100' To 250', Add	*1.58*	
		For >1,000', Deduct	*-0.97*	
		For Kynar 500® Finish, Add	*5.53*	
07 71 23 00-0017	LF	7", 0.032" Thick, Box Style Aluminum Gutter	25.64	6.25
		For Up To 100', Add	*4.11*	
		For >100' To 250', Add	*1.80*	
		For >1,000', Deduct	*-1.03*	
		For Kynar 500® Finish, Add	*6.89*	
07 71 23 00-0018	LF	8", 0.032" Thick, Box Style Aluminum Gutter	29.00	6.63
		For Up To 100', Add	*4.55*	
		For >100' To 250', Add	*2.00*	
		For >1,000', Deduct	*-1.10*	
		For Kynar 500® Finish, Add	*8.11*	

07 71 23 00-0019 Aluminum Gutter End Caps *(07 71 23 00-0001)*

07 71 23 00-0020 K-Style, Aluminum Gutter End Caps *(07 71 23 00-0019)*

07 71 23 00-0021	EA	5", K-Style Aluminum Gutter End Cap	3.74	
		For Kynar 500® Finish, Add	*0.53*	
07 71 23 00-0022	EA	6", K-Style Aluminum Gutter End Cap	4.70	
		For Kynar 500® Finish, Add	*0.96*	
07 71 23 00-0023	EA	7", K-Style Aluminum Gutter End Cap	10.52	
		For Kynar 500® Finish, Add	*3.58*	
07 71 23 00-0024	EA	8", K-Style Aluminum Gutter End Cap	12.30	
		For Kynar 500® Finish, Add	*4.38*	

07 71 23 00-0025 Half Round, Aluminum Gutter End Caps *(07 71 23 00-0019)*

07 71 23 00-0026	EA	5", Half Round Aluminum Gutter End Cap	6.19	
		For Kynar 500® Finish, Add	*1.63*	
07 71 23 00-0027	EA	6", Half Round Aluminum Gutter End Cap	9.72	
		For Kynar 500® Finish, Add	*3.22*	

07 71 23 00-0028 Box Style, Aluminum Gutter End Caps *(07 71 23 00-0019)*

07 71 23 00-0029	EA	6", Box Style Aluminum Gutter End Cap	11.50	
		For Kynar 500® Finish, Add	*4.02*	
07 71 23 00-0030	EA	7", Box Style Aluminum Gutter End Cap	12.53	
		For Kynar 500® Finish, Add	*4.49*	
07 71 23 00-0031	EA	8", Box Style Aluminum Gutter End Cap	14.75	
		For Kynar 500® Finish, Add	*5.49*	

07 71 23 00-0032 Aluminum Gutter Miters *(07 71 23 00-0001)*

Note: Inside or outside miters.

07 71 23 00-0033 K-Style, Aluminum Gutter Miters *(07 71 23 00-0032)*

07 71 23 00-0034	EA	5", K-Style Aluminum Gutter Miter	22.21	
		For Kynar 500® Finish, Add	*4.19*	
07 71 23 00-0035	EA	6", K-Style Aluminum Gutter Miter	29.92	
		For Kynar 500® Finish, Add	*7.26*	
07 71 23 00-0036	EA	7", K-Style Aluminum Gutter Miter	92.30	
		For Kynar 500® Finish, Add	*34.93*	
07 71 23 00-0037	EA	8", K-Style Aluminum Gutter Miter	100.23	
		For Kynar 500® Finish, Add	*38.04*	

07 71 23 00-0038 Half Round, Aluminum Gutter Miters *(07 71 23 00-0032)*

07 71 23 00-0039	EA	5", Half Round Aluminum Gutter Miter	39.32	
		For Kynar 500® Finish, Add	*11.89*	
07 71 23 00-0040	EA	6", Half Round Aluminum Gutter Miter	62.46	
		For Kynar 500® Finish, Add	*21.90*	

07 71 23 00-0041 Box Style, Aluminum Gutter Miters *(07 71 23 00-0032)*

07 71 23 00-0042	EA	6", Box Style Aluminum Gutter Miter	74.63	
		For Kynar 500® Finish, Add	*27.38*	
07 71 23 00-0043	EA	7", Box Style Aluminum Gutter Miter	111.72	
		For Kynar 500® Finish, Add	*43.67*	
07 71 23 00-0044	EA	8", Box Style Aluminum Gutter Miter	121.36	
		For Kynar 500® Finish, Add	*47.55*	

07 71 23 00-0045 Aluminum Gutter Wire Strainers *(07 71 23 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0046	EA	3" Diameter, Round Aluminum Wire Strainer	16.20	3.19
		For Kynar 500® Finish, Add	*4.30*	
		For 0.024" Thick, Add	*1.34*	
		For 0.027" Thick, Add	*2.77*	
		For 0.031" Thick, Add	*4.01*	
07 71 23 00-0047	EA	4" Diameter, Round Aluminum Wire Strainer	24.24	3.19
		For Kynar 500® Finish, Add	*7.92*	
		For 0.024" Thick, Add	*2.46*	
		For 0.027" Thick, Add	*5.10*	
		For 0.031" Thick, Add	*7.39*	

07 71 23 00-0048 Aluminum Downspouts *(07 71 23 00-0001)*

Note: Includes elbows, hangers and fasteners.

07 71 23 00-0049 Round Aluminum Downspouts *(07 71 23 00-0048)*

07 71 23 00-0050	LF	3" Diameter, 0.019" Thick, Round Aluminum Downspout	7.97	3.06
		For Up To 100', Add	*1.30*	
		For >100 To 250', Add	*0.56*	
		For >1,000', Deduct	*-0.33*	
		For Kynar 500® Finish, Add	*2.09*	
		For 0.024" Thick, Add	*0.65*	
		For 0.027" Thick, Add	*1.35*	
		For 0.031" Thick, Add	*1.95*	
07 71 23 00-0051	LF	4" Diameter, 0.019" Thick, Round Aluminum Downspout	9.06	3.06
		For Up To 100', Add	*1.40*	
		For >100 To 250', Add	*0.62*	
		For >1,000', Deduct	*-0.33*	
		For Kynar 500® Finish, Add	*2.58*	
		For 0.024" Thick, Add	*0.80*	
		For 0.027" Thick, Add	*1.66*	
		For 0.031" Thick, Add	*2.41*	

07 71 23 00-0052 Rectangular Aluminum Downspouts *(07 71 23 00-0048)*

07 71 23 00-0053	LF	2" x 3", 0.019" Thick, Rectangular Aluminum Downspout	5.70	3.06
		For Up To 100', Add	*1.07*	
		For >100 To 250', Add	*0.45*	
		For >1,000', Deduct	*-0.33*	
		For Kynar 500® Finish, Add	*1.07*	
		For 0.024" Thick, Add	*0.33*	
		For 0.027" Thick, Add	*0.69*	
		For 0.031" Thick, Add	*1.00*	
07 71 23 00-0054	LF	3" x 4", 0.019" Thick, Rectangular Aluminum Downspout	7.09	3.06
		For Up To 100', Add	*1.21*	
		For >100 To 250', Add	*0.52*	
		For >1,000', Deduct	*-0.33*	
		For Kynar 500® Finish, Add	*1.70*	
		For 0.024" Thick, Add	*0.53*	
		For 0.027" Thick, Add	*1.09*	
		For 0.031" Thick, Add	*1.58*	
07 71 23 00-0055	LF	4" x 5", 0.019" Thick, Rectangular Aluminum Downspout	12.92	3.06
		For Up To 100', Add	*1.79*	
		For >100 To 250', Add	*0.81*	
		For >1,000', Deduct	*-0.33*	
		For Kynar 500® Finish, Add	*4.32*	
		For 0.024" Thick, Add	*1.34*	
		For 0.027" Thick, Add	*2.78*	
		For 0.031" Thick, Add	*4.03*	

07 71 23 00-0056 Aluminum Devices *(07 71 23 00-0001)*

07 71 23 00-0057	EA	Thru-Wall Aluminum Scupper Outlet	274.71	29.04
		For Kynar 500® Finish, Add	*80.05*	
07 71 23 00-0058	EA	Aluminum Leader/Conductor Head	266.76	32.28
		For Kynar 500® Finish, Add	*91.00*	

07 71 23 00-0059 Copper Gutters And Downspouts *(07 71 23)*

07 71 23 00-0060 Copper Gutters *(07 71 23 00-0059)*

Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.

07 71 23 00-0061 K-Style Copper Gutters *(07 71 23 00-0060)*

07 71 23 00-0062	LF	4", 16 Ounce, K-Style Copper Gutter	18.32	4.47
		For Up To 100', Add	*2.94*	
		For >100' To 250', Add	*1.29*	
		For >1,000', Deduct	*-0.74*	
07 71 23 00-0063	LF	5", 16 Ounce, K-Style Copper Gutter	25.51	4.72
		For Up To 100', Add	*3.72*	
		For >100' To 250', Add	*1.67*	
		For >1,000', Deduct	*-0.78*	
07 71 23 00-0064	LF	6", 16 Ounce, K-Style Copper Gutter	30.24	4.98
		For Up To 100', Add	*4.25*	
		For >100' To 250', Add	*1.92*	
		For >1,000', Deduct	*-0.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0065	LF	5", 20 Ounce, K-Style Copper Gutter	31.88	4.72
		For Up To 100', Add	*4.36*	
		For >100' To 250', Add	*1.98*	
		For >1,000', Deduct	*-0.78*	
07 71 23 00-0066	LF	6", 20 Ounce, K-Style Copper Gutter	39.26	4.98
		For Up To 100', Add	*5.15*	
		For >100' To 250', Add	*2.37*	
		For >1,000', Deduct	*-0.82*	
07 71 23 00-0067	LF	7", 20 Ounce, K-Style Copper Gutter	45.78	5.23
		For Up To 100', Add	*5.90*	
		For >100' To 250', Add	*2.73*	
		For >1,000', Deduct	*-0.88*	
07 71 23 00-0068	LF	8", 20 Ounce, K-Style Copper Gutter	50.88	5.87
		For Up To 100', Add	*6.54*	
		For >100' To 250', Add	*3.03*	
		For >1,000', Deduct	*-0.97*	

07 71 23 00-0069 Half Round Copper Gutters *(07 71 23 00-0060)*

07 71 23 00-0070	LF	5", 16 Ounce, Half Round Copper Gutter	22.19	4.72
		For Up To 100', Add	*3.39*	
		For >100' To 250', Add	*1.50*	
		For >1,000', Deduct	*-0.78*	
07 71 23 00-0071	LF	6", 16 Ounce, Half Round Copper Gutter	27.77	4.98
		For Up To 100', Add	*4.00*	
		For >100' To 250', Add	*1.80*	
		For >1,000', Deduct	*-0.82*	
07 71 23 00-0072	LF	7", 16 Ounce, Half Round Copper Gutter	45.70	5.23
		For Up To 100', Add	*5.89*	
		For >100' To 250', Add	*2.73*	
		For >1,000', Deduct	*-0.88*	
07 71 23 00-0073	LF	5", 20 Ounce, Half Round Copper Gutter	25.67	4.72
		For Up To 100', Add	*3.74*	
		For >100' To 250', Add	*1.67*	
		For >1,000', Deduct	*-0.78*	
07 71 23 00-0074	LF	6", 20 Ounce, Half Round Copper Gutter	31.46	4.98
		For Up To 100', Add	*4.37*	
		For >100' To 250', Add	*1.98*	
		For >1,000', Deduct	*-0.82*	
07 71 23 00-0075	LF	7", 20 Ounce, Half Round Copper Gutter	47.96	5.23
		For Up To 100', Add	*6.12*	
		For >100' To 250', Add	*2.84*	
		For >1,000', Deduct	*-0.88*	
07 71 23 00-0076	LF	8", 20 Ounce, Half Round Copper Gutter	54.44	5.87
		For Up To 100', Add	*6.90*	
		For >100' To 250', Add	*3.21*	
		For >1,000', Deduct	*-0.97*	

07 71 23 00-0077 Box Style Copper Gutters *(07 71 23 00-0060)*

07 71 23 00-0078	LF	5", 16 Ounce, Box Style Copper Gutter	25.11	5.36
		For Up To 100', Add	*3.85*	
		For >100' To 250', Add	*1.70*	
		For >1,000', Deduct	*-0.89*	
07 71 23 00-0079	LF	6", 16 Ounce, Box Style Copper Gutter	26.94	5.87
		For Up To 100', Add	*4.15*	
		For >100' To 250', Add	*1.83*	
		For >1,000', Deduct	*-0.97*	
07 71 23 00-0080	LF	7", 16 Ounce, Box Style Copper Gutter	32.39	6.25
		For Up To 100', Add	*4.79*	
		For >100' To 250', Add	*2.14*	
		For >1,000', Deduct	*-1.03*	
07 71 23 00-0081	LF	8", 16 Ounce, Box Style Copper Gutter	33.18	6.63
		For Up To 100', Add	*4.97*	
		For >100' To 250', Add	*2.21*	
		For >1,000', Deduct	*-1.10*	
07 71 23 00-0082	LF	5", 20 Ounce, Box Style Copper Gutter	28.50	5.36
		For Up To 100', Add	*4.19*	
		For >100' To 250', Add	*1.87*	
		For >1,000', Deduct	*-0.89*	
07 71 23 00-0083	LF	6", 20 Ounce, Box Style Copper Gutter	30.34	5.87
		For Up To 100', Add	*4.49*	
		For >100' To 250', Add	*2.00*	
		For >1,000', Deduct	*-0.97*	
07 71 23 00-0084	LF	7", 20 Ounce, Box Style Copper Gutter	35.79	6.25
		For Up To 100', Add	*5.13*	
		For >100' To 250', Add	*2.31*	
		For >1,000', Deduct	*-1.03*	
07 71 23 00-0085	LF	8", 20 Ounce, Box Style Copper Gutter	36.57	6.63
		For Up To 100', Add	*5.30*	
		For >100' To 250', Add	*2.38*	
		For >1,000', Deduct	*-1.10*	

07 71 23 00-0086 Copper Gutter End Caps *(07 71 23 00-0059)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0087		**K-Style, Copper Gutter End Caps** *(07 71 23 00-0086)*		
07 71 23 00-0088	EA	4", K-Style Copper Gutter End Cap	6.32	
07 71 23 00-0089	EA	5", K-Style Copper Gutter End Cap	6.74	
07 71 23 00-0090	EA	6", K-Style Copper Gutter End Cap	7.15	
07 71 23 00-0091	EA	7", K-Style Copper Gutter End Cap	18.28	
07 71 23 00-0092	EA	8", K-Style Copper Gutter End Cap	22.18	
07 71 23 00-0093		**Half Round, Copper Gutter End Caps** *(07 71 23 00-0086)*		
07 71 23 00-0094	EA	4", Half Round Copper Gutter End Cap	7.55	
07 71 23 00-0095	EA	5", Half Round Copper Gutter End Cap	8.43	
07 71 23 00-0096	EA	6", Half Round Copper Gutter End Cap	12.51	
07 71 23 00-0097	EA	7", Half Round Copper Gutter End Cap	36.74	
07 71 23 00-0098	EA	8", Half Round Copper Gutter End Cap	43.31	
07 71 23 00-0099		**Box Style, Copper Gutter End Caps** *(07 71 23 00-0086)*		
07 71 23 00-0100	EA	5", Box Style Copper Gutter End Cap	14.11	
07 71 23 00-0101	EA	6", Box Style Copper Gutter End Cap	14.79	
07 71 23 00-0102	EA	7", Box Style Copper Gutter End Cap	15.46	
07 71 23 00-0103	EA	8", Box Style Copper Gutter End Cap	16.82	
07 71 23 00-0104		**Copper Gutter Miters** *(07 71 23 00-0059)*		
		Note: Inside or outside miters.		
07 71 23 00-0105		**K-Style, Copper Gutter Miters** *(07 71 23 00-0104)*		
07 71 23 00-0106	EA	4", K-Style Copper Gutter Miter	39.87	
07 71 23 00-0107	EA	5", K-Style Copper Gutter Miter	45.05	
07 71 23 00-0108	EA	6", K-Style Copper Gutter Miter	64.03	
07 71 23 00-0109	EA	7", K-Style Copper Gutter Miter	89.75	
07 71 23 00-0110	EA	8", K-Style Copper Gutter Miter	105.04	
07 71 23 00-0111		**Half Round, Copper Gutter Miters** *(07 71 23 00-0104)*		
07 71 23 00-0112	EA	4", Half Round Copper Gutter Miter	61.11	
07 71 23 00-0113	EA	5", Half Round Copper Gutter Miter	56.82	
07 71 23 00-0114	EA	6", Half Round Copper Gutter Miter	81.06	
07 71 23 00-0115	EA	7", Half Round Copper Gutter Miter	96.36	
07 71 23 00-0116	EA	8", Half Round Copper Gutter Miter	113.60	
07 71 23 00-0117		**Box Style, Copper Gutter Miters** *(07 71 23 00-0104)*		
07 71 23 00-0118	EA	5", 16 Ounce Box Style Copper Gutter Miter	67.16	
07 71 23 00-0119	EA	6", 16 Ounce Box Style Copper Gutter Miter	69.42	
07 71 23 00-0120	EA	7", 16 Ounce Box Style Copper Gutter Miter	75.73	
07 71 23 00-0121	EA	8", 16 Ounce Box Style Copper Gutter Miter	77.38	
07 71 23 00-0122	EA	5", 20 Ounce Box Style Copper Gutter Miter	73.95	
07 71 23 00-0123	EA	6", 20 Ounce Box Style Copper Gutter Miter	76.21	
07 71 23 00-0124	EA	7", 20 Ounce Box Style Copper Gutter Miter	82.52	
07 71 23 00-0125	EA	8", 20 Ounce Box Style Copper Gutter Miter	90.34	
07 71 23 00-0126		**Copper Gutter Wire Strainers** *(07 71 23 00-0059)*		
07 71 23 00-0127	EA	2" Diameter, Round Copper Wire Strainer	21.09	3.19
07 71 23 00-0128	EA	3" Diameter, Round Copper Wire Strainer	25.84	3.19
07 71 23 00-0129	EA	4" Diameter, Round Copper Wire Strainer	41.33	3.19
07 71 23 00-0130	EA	5" Diameter, Round Copper Wire Strainer	54.83	3.19
07 71 23 00-0131	EA	6" Diameter, Round Copper Wire Strainer	66.13	3.19
07 71 23 00-0132		**Copper Downspouts** *(07 71 23 00-0059)*		
		Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0133		**Round Copper Downspouts** *(07 71 23 00-0132)*		
07 71 23 00-0134	LF	2" Diameter, 16 Ounce, Round Copper Downspout	24.86	3.06
		For Up To 100', Add	*2.98*	
		For >100 To 250', Add	*1.41*	
		For >1,000', Deduct	*-0.33*	
07 71 23 00-0135	LF	3" Diameter, 16 Ounce, Round Copper Downspout	17.51	3.06
		For Up To 100', Add	*2.25*	
		For >100 To 250', Add	*1.04*	
		For >1,000', Deduct	*-0.33*	
07 71 23 00-0136	LF	4" Diameter, 16 Ounce, Round Copper Downspout	21.90	3.06
		For Up To 100', Add	*2.69*	
		For >100 To 250', Add	*1.26*	
		For >1,000', Deduct	*-0.33*	
07 71 23 00-0137	LF	5" Diameter, 16 Ounce, Round Copper Downspout	34.62	3.06
		For Up To 100', Add	*3.96*	
		For >100 To 250', Add	*1.90*	
		For >1,000', Deduct	*-0.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0138	LF	6" Diameter, 16 Ounce, Round Copper Downspout	44.33	3.06
		For Up To 100', Add	*4.93*	
		For >100 To 250', Add	*2.38*	
		For >1,000', Deduct	*-0.33*	
07 71 23 00-0139	LF	3" Diameter, 20 Ounce, Round Copper Downspout	23.46	3.06
		For Up To 100', Add	*2.84*	
		For >100 To 250', Add	*1.34*	
		For >1,000', Deduct	*-0.33*	
07 71 23 00-0140	LF	4" Diameter, 20 Ounce, Round Copper Downspout	30.25	3.06
		For Up To 100', Add	*3.52*	
		For >100 To 250', Add	*1.68*	
		For >1,000', Deduct	*-0.33*	
07 71 23 00-0141	LF	5" Diameter, 20 Ounce, Round Copper Downspout	45.66	3.06
		For Up To 100', Add	*5.06*	
		For >100 To 250', Add	*2.45*	
		For >1,000', Deduct	*-0.33*	

07 71 23 00-0142 Square Copper Downspouts *(07 71 23 00-0132)*

07 71 23 00-0143	LF	3" Diameter, 16 Ounce, Square Copper Downspout	12.32	3.06
		For Up To 100', Add	*1.73*	
		For >100 To 250', Add	*0.78*	
		For >1,000', Deduct	*-0.33*	
07 71 23 00-0144	LF	4" Diameter, 16 Ounce, Square Copper Downspout	15.24	3.06
		For Up To 100', Add	*2.02*	
		For >100 To 250', Add	*0.93*	
		For >1,000', Deduct	*-0.33*	
07 71 23 00-0145	LF	5" Diameter, 16 Ounce, Square Copper Downspout	21.54	3.06
		For Up To 100', Add	*2.65*	
		For >100 To 250', Add	*1.24*	
		For >1,000', Deduct	*-0.33*	
07 71 23 00-0146	LF	3" Diameter, 20 Ounce, Square Copper Downspout	14.12	3.06
		For Up To 100', Add	*1.91*	
		For >100 To 250', Add	*0.87*	
		For >1,000', Deduct	*-0.33*	
07 71 23 00-0147	LF	4" Diameter, 20 Ounce, Square Copper Downspout	17.77	3.06
		For Up To 100', Add	*2.28*	
		For >100 To 250', Add	*1.05*	
		For >1,000', Deduct	*-0.33*	
07 71 23 00-0148	LF	5" Diameter, 20 Ounce, Square Copper Downspout	25.25	3.06
		For Up To 100', Add	*3.02*	
		For >100 To 250', Add	*1.43*	
		For >1,000', Deduct	*-0.33*	

07 71 23 00-0149 Rectangular Copper Downspouts *(07 71 23 00-0132)*

07 71 23 00-0150	LF	2" x 3", 16 Ounce, Rectangular Copper Downspout	17.96	3.06
		For Up To 100', Add	*2.29*	
		For >100 To 250', Add	*1.06*	
		For >1,000', Deduct	*-0.33*	
07 71 23 00-0151	LF	3" x 4", 16 Ounce, Rectangular Copper Downspout	22.55	3.06
		For Up To 100', Add	*2.75*	
		For >100 To 250', Add	*1.29*	
		For >1,000', Deduct	*-0.33*	
07 71 23 00-0152	LF	4" x 5", 16 Ounce, Rectangular Copper Downspout	31.81	3.06
		For Up To 100', Add	*3.68*	
		For >100 To 250', Add	*1.76*	
		For >1,000', Deduct	*-0.33*	
07 71 23 00-0153	LF	2" x 3", 20 Ounce, Rectangular Copper Downspout	20.81	3.06
		For Up To 100', Add	*2.58*	
		For >100 To 250', Add	*1.21*	
		For >1,000', Deduct	*-0.33*	
07 71 23 00-0154	LF	3" x 4", 20 Ounce, Rectangular Copper Downspout	26.50	3.06
		For Up To 100', Add	*3.15*	
		For >100 To 250', Add	*1.49*	
		For >1,000', Deduct	*-0.33*	
07 71 23 00-0155	LF	4" x 5", 20 Ounce, Rectangular Copper Downspout	37.77	3.06
		For Up To 100', Add	*4.28*	
		For >100 To 250', Add	*2.05*	
		For >1,000', Deduct	*-0.33*	

07 71 23 00-0156 Copper Devices And Accessories *(07 71 23 00-0059)*

07 71 23 00-0157	EA	Thru-Wall Copper Scupper Outlet	219.41	29.04
07 71 23 00-0158	EA	Copper Leader/Conductor Head	297.94	32.28
07 71 23 00-0159	EA	Copper Eave Box	133.63	19.14

07 71 23 00-0160 Galvanized Steel Gutters And Downspouts *(07 71 23)*

07 71 23 00-0161 Galvanized Steel Gutters *(07 71 23 00-0160)*

Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.

07 71 23 00-0162 K-Style Galvanized Steel Gutters *(07 71 23 00-0161)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0163	LF	5", 26 Gauge, K-Style Galvanized Steel Gutter	14.30	4.72
		For Up To 100', Add	*2.60*	
		For >100' To 250', Add	*1.10*	
		For >1,000', Deduct	*-0.78*	
		For Kynar 500® Finish, Add	*2.93*	
		For 24 Gauge, Add	*1.82*	
		For 22 Gauge, Add	*3.58*	
07 71 23 00-0164	LF	6", 26 Gauge, K-Style Galvanized Steel Gutter	16.67	4.98
		For Up To 100', Add	*2.89*	
		For >100' To 250', Add	*1.24*	
		For >1,000', Deduct	*-0.82*	
		For Kynar 500® Finish, Add	*3.83*	
		For 24 Gauge, Add	*2.38*	
		For 22 Gauge, Add	*4.68*	
07 71 23 00-0165	LF	7", 26 Gauge, K-Style Galvanized Steel Gutter	34.96	5.23
		For Up To 100', Add	*4.82*	
		For >100' To 250', Add	*2.19*	
		For >1,000', Deduct	*-0.88*	
		For Kynar 500® Finish, Add	*11.77*	
		For 24 Gauge, Add	*7.32*	
		For 22 Gauge, Add	*14.39*	
07 71 23 00-0166	LF	8", 26 Gauge, K-Style Galvanized Steel Gutter	36.85	5.87
		For Up To 100', Add	*5.14*	
		For >100' To 250', Add	*2.33*	
		For >1,000', Deduct	*-0.97*	
		For Kynar 500® Finish, Add	*12.22*	
		For 24 Gauge, Add	*7.60*	
		For 22 Gauge, Add	*14.93*	

07 71 23 00-0167 Half Round Galvanized Steel Gutters *(07 71 23 00-0161)*

07 71 23 00-0168	LF	5", 26 Gauge, Half Round Galvanized Steel Gutter	21.03	4.72
		For Up To 100', Add	*3.27*	
		For >100' To 250', Add	*1.44*	
		For >1,000', Deduct	*-0.78*	
		For Kynar 500® Finish, Add	*5.96*	
		For 24 Gauge, Add	*3.71*	
		For 22 Gauge, Add	*7.28*	
07 71 23 00-0169	LF	6", 26 Gauge, Half Round Galvanized Steel Gutter	26.58	4.98
		For Up To 100', Add	*3.88*	
		For >100' To 250', Add	*1.74*	
		For >1,000', Deduct	*-0.82*	
		For Kynar 500® Finish, Add	*8.28*	
		For 24 Gauge, Add	*5.15*	
		For 22 Gauge, Add	*10.13*	
07 71 23 00-0170	LF	7", 26 Gauge, Half Round Galvanized Steel Gutter	67.45	5.23
		For Up To 100', Add	*8.07*	
		For >100' To 250', Add	*3.81*	
		For >1,000', Deduct	*-0.88*	
		For Kynar 500® Finish, Add	*26.39*	
		For 24 Gauge, Add	*16.42*	
		For 22 Gauge, Add	*32.26*	
07 71 23 00-0171	LF	8", 26 Gauge, Half Round Galvanized Steel Gutter	71.95	5.87
		For Up To 100', Add	*8.65*	
		For >100' To 250', Add	*4.08*	
		For >1,000', Deduct	*-0.97*	
		For Kynar 500® Finish, Add	*28.01*	
		For 24 Gauge, Add	*17.43*	
		For 22 Gauge, Add	*34.24*	

07 71 23 00-0172 Box Style Galvanized Steel Gutters *(07 71 23 00-0161)*

07 71 23 00-0173	LF	5", 24 Gauge, Box Style Galvanized Steel Gutter	25.18	5.36
		For Up To 100', Add	*3.86*	
		For >100' To 250', Add	*1.71*	
		For >1,000', Deduct	*-0.89*	
		For Kynar 500® Finish, Add	*7.31*	
		For 22 Gauge, Add	*3.57*	
07 71 23 00-0174	LF	6", 24 Gauge, Box Style Galvanized Steel Gutter	29.59	5.87
		For Up To 100', Add	*4.41*	
		For >100' To 250', Add	*1.96*	
		For >1,000', Deduct	*-0.97*	
		For Kynar 500® Finish, Add	*8.95*	
		For 22 Gauge, Add	*4.38*	
07 71 23 00-0175	LF	7", 24 Gauge, Box Style Galvanized Steel Gutter	37.55	5.23
		For Up To 100', Add	*5.08*	
		For >100' To 250', Add	*2.32*	
		For >1,000', Deduct	*-0.88*	
		For Kynar 500® Finish, Add	*12.94*	
		For 22 Gauge, Add	*6.33*	
07 71 23 00-0176	LF	8", 24 Gauge, Box Style Galvanized Steel Gutter	41.66	6.63
		For Up To 100', Add	*5.81*	
		For >100' To 250', Add	*2.63*	
		For >1,000', Deduct	*-1.10*	
		For Kynar 500® Finish, Add	*13.81*	
		For 22 Gauge, Add	*6.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 71 23 00-0177 Galvanized Steel Gutter End Caps *(07 71 23 00-0160)*

07 71 23 00-0178 K-Style, Galvanized Steel Gutter End Caps *(07 71 23 00-0177)*

07 71 23 00-0179	EA	5", K-Style Galvanized Steel Gutter End Cap	6.46	
		For Kynar 500® Finish, Add	*1.76*	
07 71 23 00-0180	EA	6", K-Style Galvanized Steel Gutter End Cap	7.49	
		For Kynar 500® Finish, Add	*2.22*	
07 71 23 00-0181	EA	7", K-Style Galvanized Steel Gutter End Cap	16.60	
		For Kynar 500® Finish, Add	*6.32*	
07 71 23 00-0182	EA	8", K-Style Galvanized Steel Gutter End Cap	24.21	
		For Kynar 500® Finish, Add	*9.74*	

07 71 23 00-0183 Half Round, Galvanized Steel Gutter End Caps *(07 71 23 00-0177)*

07 71 23 00-0184	EA	5", Half Round Galvanized Steel Gutter End Cap	8.39	
		For Kynar 500® Finish, Add	*2.62*	
07 71 23 00-0185	EA	6", Half Round Galvanized Steel Gutter End Cap	9.70	
		For Kynar 500® Finish, Add	*3.21*	
07 71 23 00-0186	EA	7", Half Round Galvanized Steel Gutter End Cap	18.34	
		For Kynar 500® Finish, Add	*7.10*	
07 71 23 00-0187	EA	8", Half Round Galvanized Steel Gutter End Cap	24.90	
		For Kynar 500® Finish, Add	*10.05*	

07 71 23 00-0188 Box Style, Galvanized Steel Gutter End Caps *(07 71 23 00-0177)*

07 71 23 00-0189	EA	5", Box Style Galvanized Steel Gutter End Cap	15.29	
		For Kynar 500® Finish, Add	*5.73*	
07 71 23 00-0190	EA	6", Box Style Galvanized Steel Gutter End Cap	18.47	
		For Kynar 500® Finish, Add	*7.16*	
07 71 23 00-0191	EA	7", Box Style Galvanized Steel Gutter End Cap	20.73	
		For Kynar 500® Finish, Add	*8.18*	
07 71 23 00-0192	EA	8", Box Style Galvanized Steel Gutter End Cap	27.87	
		For Kynar 500® Finish, Add	*11.39*	

07 71 23 00-0193 Galvanized Steel Gutter Miters *(07 71 23 00-0160)*

Note: Inside or outside miters.

07 71 23 00-0194 K-Style, Galvanized Steel Gutter Miters *(07 71 23 00-0193)*

07 71 23 00-0195	EA	5", K-Style Galvanized Steel Gutter Miter	39.34	
		For Kynar 500® Finish, Add	*11.90*	
07 71 23 00-0196	EA	6", K-Style Galvanized Steel Gutter Miter	64.39	
		For Kynar 500® Finish, Add	*22.77*	
07 71 23 00-0197	EA	7", K-Style Galvanized Steel Gutter Miter	103.66	
		For Kynar 500® Finish, Add	*40.05*	
07 71 23 00-0198	EA	8", K-Style Galvanized Steel Gutter Miter	116.60	
		For Kynar 500® Finish, Add	*45.41*	

07 71 23 00-0199 Half Round, Galvanized Steel Gutter Miters *(07 71 23 00-0193)*

07 71 23 00-0200	EA	5", Half Round Galvanized Steel Gutter Miter	54.29	
		For Kynar 500® Finish, Add	*18.63*	
07 71 23 00-0201	EA	6", Half Round Galvanized Steel Gutter Miter	61.08	
		For Kynar 500® Finish, Add	*21.28*	
07 71 23 00-0202	EA	7", Half Round Galvanized Steel Gutter Miter	175.49	
		For Kynar 500® Finish, Add	*72.37*	
07 71 23 00-0203	EA	8", Half Round Galvanized Steel Gutter Miter	185.45	
		For Kynar 500® Finish, Add	*76.39*	

07 71 23 00-0204 Box Style, Galvanized Steel Gutter Miters *(07 71 23 00-0193)*

07 71 23 00-0205	EA	5", Box Style Galvanized Steel Gutter Miter	51.29	
		For Kynar 500® Finish, Add	*17.28*	
07 71 23 00-0206	EA	6", Box Style Galvanized Steel Gutter Miter	84.18	
		For Kynar 500® Finish, Add	*31.68*	
07 71 23 00-0207	EA	7", Box Style Galvanized Steel Gutter Miter	109.61	
		For Kynar 500® Finish, Add	*42.72*	
07 71 23 00-0208	EA	8", Box Style Galvanized Steel Gutter Miter	116.60	
		For Kynar 500® Finish, Add	*45.41*	

07 71 23 00-0209 Galvanized Steel Gutter Wire Strainers *(07 71 23 00-0160)*

07 71 23 00-0210	EA	3" Diameter, Round Galvanized Steel Wire Strainer	14.25	3.19
		For Kynar 500® Finish, Add	*3.42*	
07 71 23 00-0211	EA	4" Diameter, Round Galvanized Steel Wire Strainer	20.73	3.19
		For Kynar 500® Finish, Add	*6.34*	

07 71 23 00-0212 Galvanized Steel Downspouts *(07 71 23 00-0160)*

Note: Includes elbows, hangers and fasteners.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0213		**Round Galvanized Steel Downspouts** *(07 71 23 00-0212)*		
07 71 23 00-0214	LF	3" Diameter, 26 Gauge, Round Galvanized Steel Downspout	8.08	3.06
		For Up To 100', Add	*1.31*	
		For >100 To 250', Add	*0.57*	
		For >1,000', Deduct	*-0.33*	
		For Kynar 500® Finish, Add	*2.14*	
		For 24 Gauge, Add	*1.33*	
		For 22 Gauge, Add	*2.62*	
07 71 23 00-0215	LF	4" Diameter, 26 Gauge, Round Galvanized Steel Downspout	10.11	3.06
		For Up To 100', Add	*1.51*	
		For >100 To 250', Add	*0.67*	
		For >1,000', Deduct	*-0.33*	
		For Kynar 500® Finish, Add	*3.06*	
		For 24 Gauge, Add	*1.90*	
		For 22 Gauge, Add	*3.73*	
07 71 23 00-0216	LF	5" Diameter, 26 Gauge, Round Galvanized Steel Downspout	13.87	3.06
		For Up To 100', Add	*1.89*	
		For >100 To 250', Add	*0.86*	
		For >1,000', Deduct	*-0.33*	
		For Kynar 500® Finish, Add	*4.75*	
		For 24 Gauge, Add	*2.95*	
		For 22 Gauge, Add	*5.80*	
07 71 23 00-0217	LF	6" Diameter, 26 Gauge, Round Galvanized Steel Downspout	31.25	3.06
		For Up To 100', Add	*3.62*	
		For >100 To 250', Add	*1.73*	
		For >1,000', Deduct	*-0.33*	
		For Kynar 500® Finish, Add	*12.57*	
		For 24 Gauge, Add	*7.82*	
		For 22 Gauge, Add	*15.36*	
07 71 23 00-0218		**Square Galvanized Steel Downspouts** *(07 71 23 00-0212)*		
07 71 23 00-0219	LF	4" x 4", 26 Gauge, Square Galvanized Steel Downspout	9.21	3.06
		For Up To 100', Add	*1.42*	
		For >100 To 250', Add	*0.63*	
		For >1,000', Deduct	*-0.33*	
		For Kynar 500® Finish, Add	*2.65*	
		For 24 Gauge, Add	*1.65*	
		For 22 Gauge, Add	*3.24*	
07 71 23 00-0220	LF	5" x 5", 26 Gauge, Square Galvanized Steel Downspout	11.89	3.06
		For Up To 100', Add	*1.69*	
		For >100 To 250', Add	*0.76*	
		For >1,000', Deduct	*-0.33*	
		For Kynar 500® Finish, Add	*3.86*	
		For 24 Gauge, Add	*2.40*	
		For 22 Gauge, Add	*4.71*	
07 71 23 00-0221		**Rectangular Galvanized Steel Downspouts** *(07 71 23 00-0212)*		
07 71 23 00-0222	LF	2" x 3", 26 Gauge, Rectangular Galvanized Steel Downspout	8.23	3.06
		For Up To 100', Add	*1.32*	
		For >100 To 250', Add	*0.58*	
		For >1,000', Deduct	*-0.33*	
		For Kynar 500® Finish, Add	*2.21*	
		For 24 Gauge, Add	*1.37*	
		For 22 Gauge, Add	*2.70*	
07 71 23 00-0223	LF	3" x 4", 26 Gauge, Rectangular Galvanized Steel Downspout	10.58	3.06
		For Up To 100', Add	*1.56*	
		For >100 To 250', Add	*0.70*	
		For >1,000', Deduct	*-0.33*	
		For Kynar 500® Finish, Add	*3.27*	
		For 24 Gauge, Add	*2.03*	
		For 22 Gauge, Add	*3.99*	
07 71 23 00-0224	LF	4" x 5", 26 Gauge, Rectangular Galvanized Steel Downspout	19.92	3.06
		For Up To 100', Add	*2.49*	
		For >100 To 250', Add	*1.16*	
		For >1,000', Deduct	*-0.33*	
		For Kynar 500® Finish, Add	*7.47*	
		For 24 Gauge, Add	*4.65*	
		For 22 Gauge, Add	*9.13*	
07 71 23 00-0225		**Galvanized Steel Devices** *(07 71 23 00-0160)*		
07 71 23 00-0226	EA	Galvanized Steel Leader/Conductor Head	368.37	32.28
		For Kynar 500® Finish, Add	*136.72*	
07 71 23 00-0227	EA	Thru-Wall Galvanized Steel Scupper Outlet	199.81	29.04
		For Kynar 500® Finish, Add	*46.35*	

07 71 23 00-0228 Stainless Steel Gutters And Downspouts *(07 71 23)*
Note: AISI type 304 stainless steel.

07 71 23 00-0229 Stainless Steel Gutters *(07 71 23 00-0228)*
Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0230		**K-Style, Stainless Steel Gutters** *(07 71 23 00-0229)*		
07 71 23 00-0231	LF	5", 26 Gauge, K-Style Stainless Steel Gutter	26.24	4.72
		For Up To 100', Add	*3.79*	
		For >100' To 250', Add	*1.70*	
		For >1,000', Deduct	*-0.78*	
		For 316 Stainless Steel, Add	*7.01*	
		For 24 Gauge, Add	*6.09*	
		For 22 Gauge, Add	*12.18*	
		For 20 Gauge, Add	*18.27*	
07 71 23 00-0232	LF	6", 26 Gauge, K-Style Stainless Steel Gutter	31.24	4.98
		For Up To 100', Add	*4.35*	
		For >100' To 250', Add	*1.97*	
		For >1,000', Deduct	*-0.82*	
		For 316 Stainless Steel, Add	*8.77*	
		For 24 Gauge, Add	*7.61*	
		For 22 Gauge, Add	*15.23*	
		For 20 Gauge, Add	*22.84*	
07 71 23 00-0233		**Half Round, Stainless Steel Gutters** *(07 71 23 00-0229)*		
07 71 23 00-0234	LF	5", 26 Gauge, Half Round Stainless Steel Gutter	35.73	4.72
		For Up To 100', Add	*4.74*	
		For >100' To 250', Add	*2.18*	
		For >1,000', Deduct	*-0.78*	
		For 316 Stainless Steel, Add	*10.62*	
		For 24 Gauge, Add	*9.22*	
		For 22 Gauge, Add	*18.44*	
		For 20 Gauge, Add	*27.66*	
07 71 23 00-0235	LF	6", 26 Gauge, Half Round Stainless Steel Gutter	43.04	4.98
		For Up To 100', Add	*5.53*	
		For >100' To 250', Add	*2.56*	
		For >1,000', Deduct	*-0.82*	
		For 316 Stainless Steel, Add	*13.25*	
		For 24 Gauge, Add	*11.51*	
		For 22 Gauge, Add	*23.01*	
		For 20 Gauge, Add	*34.52*	
07 71 23 00-0236		**Box Style, Stainless Steel Gutters** *(07 71 23 00-0229)*		
07 71 23 00-0237	LF	5", 26 Gauge, Box Style Stainless Steel Gutter	35.25	5.36
		For Up To 100', Add	*4.87*	
		For >100' To 250', Add	*2.21*	
		For >1,000', Deduct	*-0.89*	
		For 316 Stainless Steel, Add	*10.00*	
		For 24 Gauge, Add	*8.68*	
		For 22 Gauge, Add	*17.36*	
		For 20 Gauge, Add	*26.05*	
		For 18 Gauge, Add	*43.67*	
		For Seamless Gutter, Add	*0.03*	
07 71 23 00-0238	LF	6", 26 Gauge, Box Style Stainless Steel Gutter	42.76	5.87
		For Up To 100', Add	*5.73*	
		For >100' To 250', Add	*2.62*	
		For >1,000', Deduct	*-0.97*	
		For 316 Stainless Steel, Add	*12.56*	
		For 24 Gauge, Add	*10.91*	
		For 22 Gauge, Add	*21.82*	
		For 20 Gauge, Add	*32.73*	
		For 18 Gauge, Add	*54.88*	
		For Seamless Gutter, Add	*-0.20*	
07 71 23 00-0239	LF	7", 26 Gauge, Box Style Stainless Steel Gutter	50.28	6.25
		For Up To 100', Add	*6.58*	
		For >100' To 250', Add	*3.03*	
		For >1,000', Deduct	*-1.03*	
		For 316 Stainless Steel, Add	*15.18*	
		For 24 Gauge, Add	*13.18*	
		For 22 Gauge, Add	*26.37*	
		For 20 Gauge, Add	*39.55*	
		For 18 Gauge, Add	*66.32*	
		For Seamless Gutter, Add	*-0.45*	
07 71 23 00-0240	LF	8", 26 Gauge, Box Style Stainless Steel Gutter	54.63	6.63
		For Up To 100', Add	*7.11*	
		For >100' To 250', Add	*3.28*	
		For >1,000', Deduct	*-1.10*	
		For 316 Stainless Steel, Add	*16.59*	
		For 24 Gauge, Add	*14.40*	
		For 22 Gauge, Add	*28.81*	
		For 20 Gauge, Add	*43.21*	
		For 18 Gauge, Add	*72.46*	
		For Seamless Gutter, Add	*-0.54*	
07 71 23 00-0241		**Stainless Steel Gutter End Caps** *(07 71 23 00-0228)*		
07 71 23 00-0242		**K-Style, Stainless Steel Gutter End Caps** *(07 71 23 00-0241)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0243	EA	5", K-Style Stainless Steel Gutter End Cap	8.33	
		For 316 Stainless Steel, Add	*2.19*	
07 71 23 00-0244	EA	6", K-Style Stainless Steel Gutter End Cap	9.49	
		For 316 Stainless Steel, Add	*2.63*	

07 71 23 00-0245 Half Round, Stainless Steel Gutter End Caps *(07 71 23 00-0241)*

07 71 23 00-0246	EA	5", Half Round Stainless Steel Gutter End Cap	9.78	
		For 316 Stainless Steel, Add	*2.74*	
07 71 23 00-0247	EA	6", Half Round Stainless Steel Gutter End Cap	11.22	
		For 316 Stainless Steel, Add	*3.29*	

07 71 23 00-0248 Box Style, Stainless Steel Gutter End Caps *(07 71 23 00-0241)*

07 71 23 00-0249	EA	5", Box Style Stainless Steel Gutter End Cap	10.41	
		For 316 Stainless Steel, Add	*2.74*	
07 71 23 00-0250	EA	6", Box Style Stainless Steel Gutter End Cap	11.85	
		For 316 Stainless Steel, Add	*3.29*	
07 71 23 00-0251	EA	7", Box Style Stainless Steel Gutter End Cap	12.32	
		For 316 Stainless Steel, Add	*3.55*	
07 71 23 00-0252	EA	8", Box Style Stainless Steel Gutter End Cap	14.91	
		For 316 Stainless Steel, Add	*4.38*	

07 71 23 00-0253 Stainless Steel Gutter Miters *(07 71 23 00-0228)*

Note: Inside or outside box miters.

07 71 23 00-0254 K-Style, Stainless Steel Gutter Miters *(07 71 23 00-0253)*

07 71 23 00-0255	EA	5", K-Style Stainless Steel Gutter Miter	42.72	
		For 316 Stainless Steel, Add	*11.34*	
07 71 23 00-0256	EA	6", K-Style Stainless Steel Gutter Miter	66.71	
		For 316 Stainless Steel, Add	*20.11*	

07 71 23 00-0257 Half Round, Stainless Steel Gutter Miters *(07 71 23 00-0253)*

07 71 23 00-0258	EA	5", Half Round Stainless Steel Gutter Miter	100.44	
		For 316 Stainless Steel, Add	*33.27*	
07 71 23 00-0259	EA	6", Half Round Stainless Steel Gutter Miter	122.47	
		For 316 Stainless Steel, Add	*41.30*	

07 71 23 00-0260 Box-Style, Stainless Steel Gutter Miters *(07 71 23 00-0253)*

07 71 23 00-0261	EA	5", Box-Style Stainless Steel Gutter Miter	48.68	
		For 316 Stainless Steel, Add	*13.60*	
07 71 23 00-0262	EA	6", Box-Style Stainless Steel Gutter Miter	77.29	
		For 316 Stainless Steel, Add	*24.13*	
07 71 23 00-0263	EA	7", Box-Style Stainless Steel Gutter Miter	88.75	
		For 316 Stainless Steel, Add	*28.15*	
07 71 23 00-0264	EA	8", Box-Style Stainless Steel Gutter Miter	100.37	
		For 316 Stainless Steel, Add	*32.17*	

07 71 23 00-0265 Stainless Steel Gutter Wire Strainers *(07 71 23 00-0228)*

07 71 23 00-0266	EA	3" Diameter, Round Stainless Steel Wire Strainer	47.55	3.19
07 71 23 00-0267	EA	4" Diameter, Round Stainless Steel Wire Strainer	48.67	3.19

07 71 23 00-0268 Stainless Steel Downspouts *(07 71 23 00-0228)*

Note: Includes elbows, hangers and fasteners.

07 71 23 00-0269 Round Stainless Steel Downspouts *(07 71 23 00-0268)*

07 71 23 00-0270	LF	3" Diameter, 26 Gauge, Round Stainless Steel Downspout	15.24	3.06
		For Up To 100', Add	*2.02*	
		For >100 To 250', Add	*0.93*	
		For >1,000', Deduct	*-0.33*	
		For 316 Stainless Steel, Add	*4.53*	
		For 24 Gauge, Add	*3.93*	
		For 22 Gauge, Add	*7.87*	
		For 20 Gauge, Add	*11.80*	
07 71 23 00-0271	LF	4" Diameter, 26 Gauge, Round Stainless Steel Downspout	19.87	3.06
		For Up To 100', Add	*2.49*	
		For >100 To 250', Add	*1.16*	
		For >1,000', Deduct	*-0.33*	
		For 316 Stainless Steel, Add	*6.29*	
		For 24 Gauge, Add	*5.46*	
		For 22 Gauge, Add	*10.92*	
		For 20 Gauge, Add	*16.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0272	LF	5" Diameter, 26 Gauge, Round Stainless Steel Downspout	28.60	3.06
		For Up To 100', Add	*3.36*	
		For >100 To 250', Add	*1.60*	
		For >1,000', Deduct	*-0.33*	
		For 316 Stainless Steel, Add	*9.61*	
		For 24 Gauge, Add	*8.34*	
		For 22 Gauge, Add	*16.68*	
		For 20 Gauge, Add	*25.03*	
07 71 23 00-0273		**Rectangular Stainless Steel Downspouts** *(07 71 23 00-0268)*		
07 71 23 00-0274	LF	2" x 3", 26 Gauge, Rectangular Stainless Steel Downspout	15.58	3.06
		For Up To 100', Add	*2.06*	
		For >100 To 250', Add	*0.95*	
		For >1,000', Deduct	*-0.33*	
		For 316 Stainless Steel, Add	*4.66*	
		For 24 Gauge, Add	*4.05*	
		For 22 Gauge, Add	*8.09*	
		For 20 Gauge, Add	*12.14*	
		For 18 Gauge, Add	*20.35*	
07 71 23 00-0275	LF	3" x 4", 26 Gauge, Rectangular Stainless Steel Downspout	20.56	3.06
		For Up To 100', Add	*2.55*	
		For >100 To 250', Add	*1.19*	
		For >1,000', Deduct	*-0.33*	
		For 316 Stainless Steel, Add	*6.55*	
		For 24 Gauge, Add	*5.69*	
		For 22 Gauge, Add	*11.38*	
		For 20 Gauge, Add	*17.07*	
		For 18 Gauge, Add	*28.62*	
07 71 23 00-0276	LF	4" x 5", 26 Gauge, Rectangular Stainless Steel Downspout	26.38	3.06
		For Up To 100', Add	*3.14*	
		For >100 To 250', Add	*1.49*	
		For >1,000', Deduct	*-0.33*	
		For 316 Stainless Steel, Add	*8.76*	
		For 24 Gauge, Add	*7.61*	
		For 22 Gauge, Add	*15.22*	
		For 20 Gauge, Add	*22.83*	
		For 18 Gauge, Add	*38.28*	
07 71 23 00-0277		**Stainless Steel Devices** *(07 71 23 00-0228)*		
07 71 23 00-0278	EA	Thru-Wall Stainless Steel Scupper Outlet	275.72	28.71
		For 316 Stainless Steel, Add	*68.41*	
07 71 23 00-0279	EA	Stainless Steel Leader/Conductor Head	489.17	28.71
		For 316 Stainless Steel, Add	*161.64*	
07 71 23 00-0280		**Vinyl Gutters And Downspouts** *(07 71 23)*		
07 71 23 00-0281		**Vinyl Gutters** *(07 71 23 00-0280)*		
		Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0282		**K-Style Vinyl Gutters** *(07 71 23 00-0281)*		
07 71 23 00-0283	LF	4", K-Style Vinyl Gutter	12.19	3.19
		For Up To 100', Add	*2.02*	
		For >100' To 250', Add	*0.88*	
		For >1,000', Deduct	*-0.53*	
07 71 23 00-0284	LF	5", K-Style Vinyl Gutter	15.73	3.19
		For Up To 100', Add	*2.37*	
		For >100' To 250', Add	*1.05*	
		For >1,000', Deduct	*-0.53*	
07 71 23 00-0285		**Half Round Vinyl Gutters** *(07 71 23 00-0281)*		
07 71 23 00-0286	LF	4", Half Round Vinyl Gutter	12.59	3.19
		For Up To 100', Add	*2.06*	
		For >100' To 250', Add	*0.90*	
		For >1,000', Deduct	*-0.53*	
07 71 23 00-0287	LF	5", Half Round Vinyl Gutter	13.24	3.19
		For Up To 100', Add	*2.12*	
		For >100' To 250', Add	*0.93*	
		For >1,000', Deduct	*-0.53*	
07 71 23 00-0288		**Vinyl Gutter End Caps** *(07 71 23 00-0280)*		
07 71 23 00-0289		**K-Style, Vinyl Gutter End Caps** *(07 71 23 00-0288)*		
07 71 23 00-0290	EA	4", K-Style Vinyl Gutter End Cap	7.54	
07 71 23 00-0291	EA	5", K-Style Vinyl Gutter End Cap	10.48	
07 71 23 00-0292		**Half Round, Vinyl Gutter End Caps** *(07 71 23 00-0288)*		
07 71 23 00-0293	EA	4", Half Round Vinyl Gutter End Cap	8.62	
07 71 23 00-0294	EA	5", Half Round Vinyl Gutter End Cap	8.14	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0295		**Vinyl Gutter Miters** *(07 71 23 00-0280)* Note: Inside or outside miters.		
07 71 23 00-0296		**K-Style, Vinyl Gutter Miters** *(07 71 23 00-0295)*		
07 71 23 00-0297	EA	4", K-Style Vinyl Gutter Miter	18.79	
07 71 23 00-0298	EA	5", K-Style Vinyl Gutter Miter	28.27	
07 71 23 00-0299		**Half Round, Vinyl Gutter Miters** *(07 71 23 00-0295)*		
07 71 23 00-0300	EA	4", Half Round Vinyl Gutter Miter	18.79	
07 71 23 00-0301	EA	5", Half Round Vinyl Gutter Miter	20.42	
07 71 23 00-0302		**Vinyl Downspouts** *(07 71 23 00-0280)* Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0303		**Round Vinyl Downspouts** *(07 71 23 00-0302)*		
07 71 23 00-0304	LF	2-1/2" Diameter, Round Vinyl Downspout	8.01	3.06
		For Up To 100', Add	*1.30*	
		For >100 To 250', Add	*0.57*	
		For >1,000', Deduct	*-0.33*	
07 71 23 00-0305	LF	3" Diameter, Round Vinyl Downspout	8.35	3.06
		For Up To 100', Add	*1.33*	
		For >100 To 250', Add	*0.58*	
		For >1,000', Deduct	*-0.33*	
07 71 23 00-0306		**Square Vinyl Downspouts** *(07 71 23 00-0302)*		
07 71 23 00-0307	LF	2-1/2", Square Vinyl Downspout	7.87	3.06
		For Up To 100', Add	*1.29*	
		For >100 To 250', Add	*0.56*	
		For >1,000', Deduct	*-0.33*	
07 71 23 00-0308		**Rectangular Vinyl Downspouts** *(07 71 23 00-0302)*		
07 71 23 00-0309	LF	2" x 3", Rectangular Vinyl Downspout	10.08	3.06
		For Up To 100', Add	*1.51*	
		For >100 To 250', Add	*0.67*	
		For >1,000', Deduct	*-0.33*	
07 71 23 00-0310		**Gutter And Downspout Boots** *(07 71 23)*		
07 71 23 00-0311		**Cast Iron Roof Drainage Downspout Boots** *(07 71 23 00-0310)*		
07 71 23 00-0312	EA	2" x 3" x 18" Long, Cast Iron Roof Drainage Downspout Boot	347.97	4.60
07 71 23 00-0313	EA	3" x 4" x 18" Long, Cast Iron Roof Drainage Downspout Boot	453.82	4.60
07 71 23 00-0314	EA	4" x 5" x 24" Long, Cast Iron Roof Drainage Downspout Boot	541.84	4.60
07 71 23 00-0315		**Cast Iron Roof Drainage Downspout Boots With Cleanouts** *(07 71 23 00-0310)*		
07 71 23 00-0316	EA	3" x 4" x 18" Long, Cast Iron Roof Drainage Downspout Boot With Cleanout	601.75	4.60
07 71 23 00-0317	EA	4" x 5" x 24" Long, Cast Iron Roof Drainage Downspout Boot With Cleanout	735.32	4.60
07 71 23 00-0318	EA	5" x 7" x 30" Long, Cast Iron Roof Drainage Downspout Boot With Cleanout	1,335.14	4.60
07 71 23 00-0319		**Wall Mounted Downspout Covers With Hinged Perforated Cover** *(07 71 23)*		
07 71 23 00-0320	EA	3" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-03)	1,198.52	29.10
		For Polished Brass Finish (-PB), Add	*114.03*	
		For Chrome Plated Finish (-CP), Add	*171.05*	
		For Vandal Proof (-U), Add	*57.02*	
07 71 23 00-0321	EA	4" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-04)	1,217.92	38.80
		For Polished Brass Finish (-PB), Add	*114.03*	
		For Chrome Plated Finish (-CP), Add	*171.05*	
		For Vandal Proof (-U), Add	*57.02*	
07 71 23 00-0322	EA	6" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-06)	1,308.84	52.26
		For Polished Brass Finish (-PB), Add	*120.43*	
		For Chrome Plated Finish (-CP), Add	*180.65*	
		For Vandal Proof (-U), Add	*60.22*	
07 71 23 00-0323	EA	8" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-08)	1,394.24	65.98
		For Polished Brass Finish (-PB), Add	*126.23*	
		For Chrome Plated Finish (-CP), Add	*189.34*	
		For Vandal Proof (-U), Add	*63.11*	
07 71 23 00-0324	EA	10" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-10)	1,498.26	81.28
		For Polished Brass Finish (-PB), Add	*133.57*	
		For Chrome Plated Finish (-CP), Add	*200.36*	
		For Vandal Proof (-U), Add	*66.79*	
07 71 23 00-0325	EA	12" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-12)	1,643.80	113.47
		For Polished Brass Finish (-PB), Add	*141.68*	
		For Chrome Plated Finish (-CP), Add	*212.53*	
		For Vandal Proof (-U), Add	*70.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0326	EA	15" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-15)	1,812.49	157.82
		For Polished Brass Finish (-PB), Add	*149.69*	
		For Chrome Plated Finish (-CP), Add	*224.53*	
		For Vandal Proof (-U), Add	*74.84*	

07 71 23 00-0327 Wall Mounted Downspout Nozzle *(07 71 23)*

07 71 23 00-0328	EA	3" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-03)	304.38	29.10
		For Nickel Bronze Finish (-NB), Add	*172.32*	
		For Polished Bronze Finish (-PB), Add	*135.39*	
		For Chrome Plated Finish (-CP), Add	*219.09*	
07 71 23 00-0329	EA	4" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-04)	323.78	38.80
		For Nickel Bronze Finish (-NB), Add	*172.32*	
		For Polished Bronze Finish (-PB), Add	*135.39*	
		For Chrome Plated Finish (-CP), Add	*219.09*	
07 71 23 00-0330	EA	6" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-06)	688.45	52.26
		For Nickel Bronze Finish (-NB), Add	*175.19*	
		For Polished Bronze Finish (-PB), Add	*99.27*	
		For Chrome Plated Finish (-CP), Add	*256.94*	
07 71 23 00-0331	EA	8" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-08)	1,018.37	65.98
		For Nickel Bronze Finish (-NB), Add	*150.69*	
		For Polished Bronze Finish (-PB), Add	*115.23*	
		For Chrome Plated Finish (-CP), Add	*257.06*	
07 71 23 00-0332	EA	10" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-10)	1,313.36	81.28
		For Nickel Bronze Finish (-NB), Add	*195.64*	
		For Polished Bronze Finish (-PB), Add	*149.60*	
		For Chrome Plated Finish (-CP), Add	*333.73*	
07 71 23 00-0333	EA	12" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-12)	1,674.70	113.47
		For Nickel Bronze Finish (-NB), Add	*246.12*	
		For Polished Bronze Finish (-PB), Add	*188.21*	
		For Chrome Plated Finish (-CP), Add	*419.84*	

07 71 23 00-0334 Leaf Guards And Cleaning *(07 71 23)*

07 71 23 00-0335	LF	Aluminum Mesh Gutter Leaf Guard	3.91	0.89
		For Up To 100', Add	*0.65*	
		For >100' To 250', Add	*0.28*	
		For >1,000', Deduct	*-0.18*	
07 71 23 00-0336	LF	Vinyl Mesh Gutter Leaf Guard	2.98	0.89
		For Up To 100', Add	*0.56*	
		For >100' To 250', Add	*0.24*	
		For >1,000', Deduct	*-0.18*	
07 71 23 00-0337	LF	6" Wide Stainless Steel Gutter Leaf Guard, 1/4" x 1/4" x 0.08" Wire	16.71	1.11
		For Up To 100', Add	*2.01*	
		For >100' To 250', Add	*0.95*	
		For >1,000', Deduct	*-0.22*	
07 71 23 00-0338	LF	9" Wide Stainless Steel Gutter Leaf Guard, 1/4" x 1/4" x 0.08" Wire	23.98	1.11
		For Up To 100', Add	*2.73*	
		For >100' To 250', Add	*1.31*	
		For >1,000', Deduct	*-0.22*	
07 71 23 00-0339	LF	6" Wide Stainless Steel Gutter Leaf Guard, 3/8" x 3/8" Mesh	12.71	1.11
		For Up To 100', Add	*1.53*	
		For >100' To 250', Add	*0.72*	
		For >1,000', Deduct	*-0.18*	
07 71 23 00-0340	LF	9" Wide Stainless Steel Gutter Leaf Guard, 3/8" x 3/8" Mesh	19.68	1.11
		For Up To 100', Add	*2.23*	
		For >100' To 250', Add	*1.07*	
		For >1,000', Deduct	*-0.18*	
07 71 23 00-0341	EA	Cleanout Roof Drain Note: Includes removing dome and flushing.	176.32	
07 71 23 00-0342	LF	Cleanout Roof Gutters And Downspouts	2.06	
07 71 23 00-0343	LF	Cleanout Blocked Downspouts By Hydrojetting	3.39	

07 71 26 Reglets *(07 71)*

07 71 26 00-0001 Counter Flashing With Reglet *(07 71 26)*

Note: Includes reglet cut.

07 71 26 00-0002 Galvanized Steel Counter Flashing With Reglet *(07 71 26 00-0001)*

07 71 26 00-0003 Galvanized Steel Counter Flashing With Reglet *(07 71 26 00-0002)*

07 71 26 00-0004	LF	28 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	17.23	5.77
07 71 26 00-0005	LF	26 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	17.39	5.77
07 71 26 00-0006	LF	24 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	17.66	5.77
07 71 26 00-0007	LF	22 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	18.69	5.77
07 71 26 00-0008	LF	20 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	19.28	5.77
07 71 26 00-0009	LF	18 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	19.95	5.77

07 71 26 00-0010 KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet *(07 71 26 00-0002)*

07 71 26 00-0011	LF	28 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	19.79	5.77
07 71 26 00-0012	LF	26 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	20.01	5.77
07 71 26 00-0013	LF	24 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	20.41	5.77

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 26 00-0014	LF	22 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	21.90	5.77
07 71 26 00-0015	LF	20 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	22.75	5.77
07 71 26 00-0016	LF	18 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	23.73	5.77
07 71 26 00-0017		Aluminum Counter Flashing With Reglet *(07 71 26 00-0001)*		
07 71 26 00-0018		KYNAR 500® Finish, Aluminum Counter Flashing With Reglet *(07 71 26 00-0017)*		
07 71 26 00-0019	LF	0.019" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	15.80	5.77
07 71 26 00-0020	LF	0.025" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	16.48	5.77
07 71 26 00-0021	LF	0.032" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	17.15	5.77
07 71 26 00-0022	LF	0.040" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	17.63	5.77
07 71 26 00-0023	LF	0.050" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	18.72	5.77
07 71 26 00-0024	LF	0.063" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	20.28	5.77
07 71 26 00-0025		Mill Finish, Aluminum Counter Flashing With Reglet *(07 71 26 00-0017)*		
07 71 26 00-0026	LF	0.019" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	14.27	5.77
07 71 26 00-0027	LF	0.025" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	14.70	5.77
07 71 26 00-0028	LF	0.032" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	15.12	5.77
07 71 26 00-0029	LF	0.040" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	15.43	5.77
07 71 26 00-0030	LF	0.050" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	16.13	5.77
07 71 26 00-0031	LF	0.063" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	17.13	5.77
07 71 26 00-0032		Clear Anodized Finish, Aluminum Counter Flashing With Reglet *(07 71 26 00-0017)*		
07 71 26 00-0033	LF	0.019" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	15.49	5.77
07 71 26 00-0034	LF	0.025" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	16.11	5.77
07 71 26 00-0035	LF	0.032" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	16.73	5.77
07 71 26 00-0036	LF	0.040" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	17.18	5.77
07 71 26 00-0037	LF	0.050" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	18.18	5.77
07 71 26 00-0038	LF	0.063" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	19.64	5.77
07 71 26 00-0039		Stainless Steel Counter Flashing With Reglet *(07 71 26 00-0001)*		
07 71 26 00-0040		Stainless Steel Counter Flashing With Reglet *(07 71 26 00-0039)*		
07 71 26 00-0041	LF	24 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet	21.30	5.77
07 71 26 00-0042	LF	22 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet	22.60	5.77
07 71 26 00-0043	LF	20 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet	23.03	5.77
07 71 26 00-0044		Copper Counter Flashing With Reglet *(07 71 26 00-0001)*		
07 71 26 00-0045		Copper Counter Flashing With Reglet *(07 71 26 00-0044)*		
07 71 26 00-0046	LF	16 Ounce, Up To 12" Wide, Copper Counter Flashing With Reglet	50.67	5.77

07 72 Roof Accessories *(07 70)*

07 72 13 Manufactured Curbs *(07 72)*

07 72 13 00-0001 Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13)*
Note: Includes fasteners and sealants. Excludes flashing. See CSI section 07 62 13 00-0000 for flashinig and trim.

07 72 13 00-0002 Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0001)*
Note: Includes pressure treated wood nailer, 1-1/2" rigid foam insulation, mill finish galvanized steel exterior wall construction, painted galvanized steel interior wall construction, installation clips and 3/16" wire mesh, 6" x 6" grids, safety security guard with installation clips.

07 72 13 00-0003 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0002)*

07 72 13 00-0004 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0003)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0005	EA	26" x 26" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,023.78	263.27
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*69.47*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*171.85*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-36.17*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*10.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.64*	
07 72 13 00-0006	EA	26" x 38" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,039.34	263.27
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*71.03*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*174.96*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-44.39*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*17.57*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*39.70*	
07 72 13 00-0007	EA	26" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,129.38	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*75.92*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*188.85*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-54.24*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*23.20*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*38.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0008	EA	26" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,189.01	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*81.88*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*200.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-72.33*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*27.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*42.73*	
07 72 13 00-0009	EA	26" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,233.09	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*86.29*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*209.60*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*128.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*141.96*	
07 72 13 00-0010	EA	26" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,491.69	329.09
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*108.03*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*257.20*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-120.01*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-20.44*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*21.60*	
07 72 13 00-0011	EA	38" x 38" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,044.52	263.27
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*71.54*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*176.00*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*139.97*	
07 72 13 00-0012	EA	38" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,131.97	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*76.18*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*189.37*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-69.04*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*23.89*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*61.51*	
07 72 13 00-0013	EA	38" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,165.68	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*79.55*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*196.11*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-85.48*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*11.87*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*42.85*	
07 72 13 00-0014	EA	38" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,178.64	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*80.84*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*198.71*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*126.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.57*	
07 72 13 00-0015	EA	38" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,450.20	329.09
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*103.88*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*248.90*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*143.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*188.10*	
07 72 13 00-0016	EA	38" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,586.92	362.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*113.44*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*272.13*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*32.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*167.52*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*220.64*	
07 72 13 00-0017	EA	50" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,251.24	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*88.10*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*213.23*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-88.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*8.58*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.93*	
07 72 13 00-0018	EA	50" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,367.23	329.09
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*95.59*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*232.31*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-106.87*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-16.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*28.12*	
07 72 13 00-0019	EA	50" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,395.75	329.09
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*98.44*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*238.01*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-126.60*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-49.13*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*26.09*	
07 72 13 00-0020	EA	50" x 86" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,532.47	362.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*108.00*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*261.24*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-147.96*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-48.39*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*22.42*	
07 72 13 00-0021	EA	51" x 99" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,645.87	394.90
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*115.22*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*279.81*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*34.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*158.12*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*213.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0022	EA	51" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,779.98	427.81
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*124.52*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*302.52*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-203.88*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-64.46*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*10.78*	
07 72 13 00-0023	EA	62" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,395.75	329.09
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*98.44*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*238.01*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*184.34*	
07 72 13 00-0024	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,503.95	362.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*105.15*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*255.54*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-154.54*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-46.10*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*22.48*	
07 72 13 00-0025	EA	62" x 86" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,643.27	394.90
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*114.96*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*279.29*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-200.59*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-92.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-27.98*	
07 72 13 00-0026	EA	62" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,669.20	394.90
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*117.56*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*284.48*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*40.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*148.93*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*259.58*	
07 72 13 00-0027	EA	62" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,808.51	427.81
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*127.37*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*308.23*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-253.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-142.54*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-0.91*	

07 72 13 00-0028 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0003)*

07 72 13 00-0029	EA	26" x 26" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,057.49	263.27
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*72.84*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*178.59*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-36.17*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*10.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.64*	
07 72 13 00-0030	EA	26" x 38" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,065.27	263.27
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*73.62*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*180.15*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-44.39*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*17.57*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*39.70*	
07 72 13 00-0031	EA	26" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,155.30	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*78.51*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*194.04*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-54.24*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*23.20*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*38.69*	
07 72 13 00-0032	EA	26" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,222.72	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*85.25*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*207.52*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-72.33*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*27.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*42.73*	
07 72 13 00-0033	EA	26" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,271.98	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*90.18*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*217.37*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*128.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*141.96*	
07 72 13 00-0034	EA	26" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,522.80	329.09
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*111.14*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*263.42*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-120.01*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-20.44*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*21.60*	
07 72 13 00-0035	EA	38" x 38" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,067.86	263.27
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*73.88*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*180.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*139.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0036	EA	38" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,201.98	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*83.18*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*203.37*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-69.04*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*23.89*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*61.51*	
07 72 13 00-0037	EA	38" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,253.83	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*88.36*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*213.74*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-85.48*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*11.87*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*42.85*	
07 72 13 00-0038	EA	38" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,313.47	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*94.33*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*225.67*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*126.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.57*	
07 72 13 00-0039	EA	38" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,491.69	329.09
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*108.03*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*257.20*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*143.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*188.10*	
07 72 13 00-0040	EA	38" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,638.78	362.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*118.63*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*282.51*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*32.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*167.52*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*220.64*	
07 72 13 00-0041	EA	50" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,282.36	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*91.21*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*219.45*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-88.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*8.58*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.93*	
07 72 13 00-0042	EA	50" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,393.16	329.09
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*98.18*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*237.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-106.87*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-16.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*28.12*	
07 72 13 00-0043	EA	50" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,434.64	329.09
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*102.33*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*245.79*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-126.60*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-49.13*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*26.09*	
07 72 13 00-0044	EA	50" x 86" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,573.96	362.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*112.15*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*269.54*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-147.96*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-48.39*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*22.42*	
07 72 13 00-0045	EA	51" x 99" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,695.13	394.90
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*120.15*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*289.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*34.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*158.12*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*213.44*	
07 72 13 00-0046	EA	51" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,837.03	427.81
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*130.23*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*313.93*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-203.88*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-64.46*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*10.78*	
07 72 13 00-0047	EA	62" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,434.64	329.09
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*102.33*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*245.79*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*184.34*	
07 72 13 00-0048	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,545.44	362.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*109.29*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*263.84*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-154.54*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-46.10*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*22.48*	
07 72 13 00-0049	EA	62" x 86" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,687.35	394.90
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*119.37*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*288.11*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-200.59*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-92.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-27.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0050	EA	62" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,721.06	394.90
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*122.74*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*294.85*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*40.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*148.93*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*259.58*	
07 72 13 00-0051	EA	62" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,865.55	427.81
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*133.08*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*319.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-253.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-142.54*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-0.91*	
07 72 13 00-0052		14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0003)*		
07 72 13 00-0053	EA	26" x 26" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,075.64	263.27
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*74.66*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*182.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-36.17*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*10.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.64*	
07 72 13 00-0054	EA	26" x 38" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,083.42	263.27
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*75.43*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*183.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-44.39*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*17.57*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*39.70*	
07 72 13 00-0055	EA	26" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,168.27	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*79.81*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*196.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-54.24*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*23.20*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*38.69*	
07 72 13 00-0056	EA	26" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,243.46	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*87.32*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*211.67*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-72.33*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*27.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*42.73*	
07 72 13 00-0057	EA	26" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,300.51	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*93.03*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*223.08*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*128.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*141.96*	
07 72 13 00-0058	EA	26" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,559.10	329.09
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*114.77*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*270.68*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-120.01*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-20.44*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*21.60*	
07 72 13 00-0059	EA	38" x 38" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,083.42	263.27
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*75.43*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*183.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*139.97*	
07 72 13 00-0060	EA	38" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,168.27	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*79.81*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*196.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-69.04*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*23.89*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*61.51*	
07 72 13 00-0061	EA	38" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,300.51	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*93.03*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*223.08*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-85.48*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*11.87*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*42.85*	
07 72 13 00-0062	EA	38" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,362.74	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*99.25*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*235.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*126.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.57*	
07 72 13 00-0063	EA	38" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,522.80	329.09
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*111.14*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*263.42*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*143.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*188.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0064	EA	38" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,672.49	362.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*122.00*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*289.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*32.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*167.52*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*220.64*	
07 72 13 00-0065	EA	50" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,303.10	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*93.29*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*223.60*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-88.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*8.58*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.93*	
07 72 13 00-0066	EA	50" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,333.92	329.09
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*92.26*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*225.65*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-106.87*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-16.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*28.12*	
07 72 13 00-0067	EA	50" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,460.57	329.09
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*104.92*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*250.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-126.60*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-49.13*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*26.09*	
07 72 13 00-0068	EA	50" x 86" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,605.07	362.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*115.26*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*275.76*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-147.96*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-48.39*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*22.42*	
07 72 13 00-0069	EA	51" x 99" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,726.25	394.90
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*123.26*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*295.89*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*34.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*158.12*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*213.44*	
07 72 13 00-0070	EA	51" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,873.33	427.81
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*133.86*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*321.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-203.88*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-64.46*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*10.78*	
07 72 13 00-0071	EA	62" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,460.57	329.09
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*104.92*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*250.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*184.34*	
07 72 13 00-0072	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,573.96	362.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*112.15*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*269.54*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-154.54*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-46.10*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*22.48*	
07 72 13 00-0073	EA	62" x 86" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,721.06	394.90
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*122.74*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*294.85*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-200.59*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-92.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-27.98*	
07 72 13 00-0074	EA	62" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,754.77	394.90
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*126.11*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*301.59*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*40.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*148.93*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*259.58*	
07 72 13 00-0075	EA	62" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,904.44	427.81
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*136.97*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*327.41*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-253.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-142.54*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-0.91*	

07 72 13 00-0076 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0002)*

07 72 13 00-0077 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0076)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0078	EA	26" x 26" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	995.26	263.27
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*66.62*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*166.14*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-36.17*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*10.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.64*	
07 72 13 00-0079	EA	26" x 38" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,028.96	263.27
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*69.99*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*172.88*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-44.39*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*17.57*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*39.70*	
07 72 13 00-0080	EA	26" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,176.05	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*80.58*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*198.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-54.24*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*23.20*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*38.69*	
07 72 13 00-0081	EA	26" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,253.83	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*88.36*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*213.74*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-72.33*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*27.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*42.73*	
07 72 13 00-0082	EA	26" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,310.88	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*94.07*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*225.15*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*128.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*141.96*	
07 72 13 00-0083	EA	26" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,600.59	329.09
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*118.92*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*278.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-120.01*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-20.44*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*21.60*	
07 72 13 00-0084	EA	38" x 38" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,091.19	263.27
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*76.21*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*185.33*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*139.97*	
07 72 13 00-0085	EA	38" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,196.79	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*82.66*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*202.34*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-69.04*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*23.89*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*61.51*	
07 72 13 00-0086	EA	38" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,222.72	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*85.25*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*207.52*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-85.48*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*11.87*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*42.85*	
07 72 13 00-0087	EA	38" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,246.06	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*87.58*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*212.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*126.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.57*	
07 72 13 00-0088	EA	38" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,538.36	329.09
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*112.70*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*266.54*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*143.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*188.10*	
07 72 13 00-0089	EA	38" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,690.64	362.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*123.81*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*292.88*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*32.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*167.52*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*220.64*	
07 72 13 00-0090	EA	50" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,313.47	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*94.33*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*225.67*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-88.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*8.58*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.93*	
07 72 13 00-0091	EA	50" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,432.05	329.09
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*102.07*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*245.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-106.87*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-16.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*28.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0092	EA	50" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,473.54	329.09
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*106.22*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*253.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-126.60*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-49.13*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*26.09*	
07 72 13 00-0093	EA	50" x 86" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,620.63	362.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*116.81*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*278.88*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-147.96*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-48.39*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*22.42*	
07 72 13 00-0094	EA	51" x 99" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,741.80	394.90
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*124.82*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*299.00*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*34.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*158.12*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*213.44*	
07 72 13 00-0095	EA	51" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,891.48	427.81
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*135.67*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*324.82*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-203.88*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-64.46*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*10.78*	
07 72 13 00-0096	EA	62" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,473.54	329.09
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*106.22*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*253.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*184.34*	
07 72 13 00-0097	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,586.92	362.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*113.44*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*272.13*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-154.54*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-46.10*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*22.48*	
07 72 13 00-0098	EA	62" x 86" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,736.62	394.90
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*124.30*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*297.96*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-200.59*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-92.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-27.98*	
07 72 13 00-0099	EA	62" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,772.92	394.90
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*127.93*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*305.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*40.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*148.93*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*259.58*	
07 72 13 00-0100	EA	62" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,925.19	427.81
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*139.04*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*331.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-253.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-142.54*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-0.91*	

07 72 13 00-0101 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0076)*

07 72 13 00-0102	EA	26" x 26" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,018.59	263.27
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*68.95*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*170.81*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-36.17*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*10.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.64*	
07 72 13 00-0103	EA	26" x 38" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,057.49	263.27
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*72.84*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*178.59*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-44.39*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*17.57*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*39.70*	
07 72 13 00-0104	EA	26" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,214.94	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*84.47*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*205.97*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-54.24*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*23.20*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*38.69*	
07 72 13 00-0105	EA	26" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,300.51	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*93.03*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*223.08*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-72.33*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*27.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*42.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0106	EA	26" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,370.51	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*100.03*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*237.08*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*128.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*141.96*	
07 72 13 00-0107	EA	26" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,610.96	329.09
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*119.96*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*281.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-120.01*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-20.44*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*21.60*	
07 72 13 00-0108	EA	38" x 38" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,124.90	263.27
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*79.58*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*192.07*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*139.97*	
07 72 13 00-0109	EA	38" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,238.28	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*86.81*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*210.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-69.04*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*23.89*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*61.51*	
07 72 13 00-0110	EA	38" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,271.98	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*90.18*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*217.37*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-85.48*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*11.87*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*42.85*	
07 72 13 00-0111	EA	38" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,303.10	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*93.29*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*223.60*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*126.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.57*	
07 72 13 00-0112	EA	38" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,600.59	329.09
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*118.92*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*278.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*143.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*188.10*	
07 72 13 00-0113	EA	38" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,765.83	362.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*131.33*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*307.92*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*32.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*167.52*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*220.64*	
07 72 13 00-0114	EA	50" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,360.14	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*98.99*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*235.01*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-88.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*8.58*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.93*	
07 72 13 00-0115	EA	50" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,483.91	329.09
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*107.26*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*255.65*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-106.87*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-16.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*28.12*	
07 72 13 00-0116	EA	50" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,533.17	329.09
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*112.18*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*265.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-126.60*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-49.13*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*26.09*	
07 72 13 00-0117	EA	50" x 86" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,682.86	362.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*123.04*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*291.32*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-147.96*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-48.39*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*22.42*	
07 72 13 00-0118	EA	51" x 99" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,814.41	394.90
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*132.08*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*313.52*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*34.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*158.12*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*213.44*	
07 72 13 00-0119	EA	51" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,974.45	427.81
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*143.97*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*341.41*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-203.88*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-64.46*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*10.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0120	EA	62" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,533.17	329.09
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*112.18*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*265.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*184.34*	
07 72 13 00-0121	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,654.34	362.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*120.18*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*285.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-154.54*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-46.10*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*22.48*	
07 72 13 00-0122	EA	62" x 86" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,809.22	394.90
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*131.56*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*312.48*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-200.59*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-92.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-27.98*	
07 72 13 00-0123	EA	62" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,848.11	394.90
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*135.45*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*320.26*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*40.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*148.93*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*259.58*	
07 72 13 00-0124	EA	62" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	2,013.35	427.81
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*147.86*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*349.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-253.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-142.54*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-0.91*	

07 72 13 00-0125 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0076)*

07 72 13 00-0126	EA	26" x 26" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,036.74	263.27
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*70.77*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*174.44*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-36.17*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*10.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.64*	
07 72 13 00-0127	EA	26" x 38" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,078.23	263.27
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*74.91*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*182.74*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-44.39*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*17.57*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*39.70*	
07 72 13 00-0128	EA	26" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,238.28	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*86.81*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*210.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-54.24*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*23.20*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*38.69*	
07 72 13 00-0129	EA	26" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,331.62	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*96.14*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*229.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-72.33*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*27.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*42.73*	
07 72 13 00-0130	EA	26" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,409.41	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*103.92*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*244.86*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*128.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*141.96*	
07 72 13 00-0131	EA	26" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,693.93	329.09
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*128.26*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*297.65*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-120.01*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-20.44*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*21.60*	
07 72 13 00-0132	EA	38" x 38" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,150.83	263.27
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*82.17*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*197.26*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*139.97*	
07 72 13 00-0133	EA	38" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,282.36	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*91.21*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*219.45*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-69.04*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*23.89*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*61.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0134	EA	38" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,329.03	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*95.88*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*228.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-85.48*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*11.87*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*42.85*	
07 72 13 00-0135	EA	38" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,339.40	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*96.92*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*230.86*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*126.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.57*	
07 72 13 00-0136	EA	38" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,647.26	329.09
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*123.59*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*288.32*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*143.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*188.10*	
07 72 13 00-0137	EA	38" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,817.69	362.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*136.52*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*318.29*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*32.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*167.52*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*220.64*	
07 72 13 00-0138	EA	50" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,391.26	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*102.10*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*241.23*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-88.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*8.58*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.93*	
07 72 13 00-0139	EA	50" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,415.80	329.09
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*100.44*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*242.02*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-106.87*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-16.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*28.12*	
07 72 13 00-0140	EA	50" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,572.07	329.09
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*116.07*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*273.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-126.60*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-49.13*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*26.09*	
07 72 13 00-0141	EA	50" x 86" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,729.53	362.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*127.70*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*300.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-147.96*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-48.39*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*22.42*	
07 72 13 00-0142	EA	51" x 99" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,861.08	394.90
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*136.74*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*322.85*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*34.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*158.12*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*213.44*	
07 72 13 00-0143	EA	51" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	2,031.50	427.81
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*149.67*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*352.82*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-203.88*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-64.46*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*10.78*	
07 72 13 00-0144	EA	62" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,572.07	329.09
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*116.07*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*273.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*184.34*	
07 72 13 00-0145	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,701.01	362.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*124.85*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*294.95*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-154.54*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-46.10*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*22.48*	
07 72 13 00-0146	EA	62" x 86" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,853.30	394.90
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*135.97*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*321.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-200.59*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-92.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-27.98*	
07 72 13 00-0147	EA	62" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,899.97	394.90
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*140.63*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*330.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*40.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*148.93*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*259.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0148	EA	62" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	2,070.39	427.81
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*153.56*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*360.60*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-253.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-142.54*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-0.91*	

07 72 13 00-0149 Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs *(07 72 13 00-0001)*

Note: Includes 1" rigid foam insulation, mill finish galvanized steel exterior wall construction, painted galvanized steel interior wall construction and installation clips.

07 72 13 00-0150 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs *(07 72 13 00-0149)*

07 72 13 00-0151	EA	14-1/2" To 23" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	979.17	263.27
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*65.01*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*162.93*	
07 72 13 00-0152	EA	23-1/2" To 32" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,121.67	263.27
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*79.26*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*191.43*	
07 72 13 00-0153	EA	32-1/2" To 41" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,283.18	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*91.30*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*219.61*	
07 72 13 00-0154	EA	41" To 49-1/2" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,396.96	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*102.67*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*242.37*	
07 72 13 00-0155	EA	50" To 58-1/2" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,545.41	329.09
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*113.41*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*267.95*	

07 72 13 00-0156 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs *(07 72 13 00-0149)*

07 72 13 00-0157	EA	14-1/2" To 23" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,187.83	263.27
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*85.87*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*204.66*	
07 72 13 00-0158	EA	23-1/2" To 32" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,381.23	263.27
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*105.21*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*243.34*	
07 72 13 00-0159	EA	32-1/2" To 41" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,468.94	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*109.87*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*256.77*	
07 72 13 00-0160	EA	41" To 49-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,541.65	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*117.14*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*271.31*	
07 72 13 00-0161	EA	50" To 58-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,725.71	329.09
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*131.44*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*304.01*	
07 72 13 00-0162	EA	64" To 72-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	2,697.92	362.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*224.54*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*494.33*	

07 72 13 00-0163 18" To 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs *(07 72 13 00-0149)*

07 72 13 00-0164	EA	17-1/2" To 22" Square Outside Dimensions, 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,530.64	263.27
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*120.16*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*273.22*	
07 72 13 00-0165	EA	24" To 29" Square Outside Dimensions, 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,728.39	263.27
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*139.93*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*312.77*	
07 72 13 00-0166	EA	31" To 46" Square Outside Dimensions, 18" Height, 16 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	2,045.49	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*167.53*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*372.08*	

07 72 13 00-0167 High Wind Applications, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0168	EA	38-1/2" Square Outside Dimensions, 24" Height, High Wind Applications, Insulated Galvanized Steel, Prefabricated Roof Curb (Greenheck GPF-40-G24)	1,364.47	123.41
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*124.11*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*260.55*	
07 72 13 00-0169	EA	38-1/2" Square Outside Dimensions, 27" Height, High Wind Applications, Insulated Galvanized Steel, Prefabricated Roof Curb (Greenheck GPF-40-G27)	1,451.15	123.41
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*132.77*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*277.89*	

07 72 13 00-0170 Wood, Prefabricated Roof Curbs *(07 72 13)*

Note: Includes Douglas fir construction, galvanized steel corner straps, fasteners, sealants, and installation clips. Includes 3/16" wire mesh, 6" x 6" grids, safety security guard with installation clips. Excludes flashing. See CSI section 07 62 13 00-0000 for flashing and trim.

07 72 13 00-0171 Wood Framed, Prefabricated Roof Curbs *(07 72 13 00-0170)*

07 72 13 00-0172 2 x 6 Wood Framed, Prefabricated Roof Curbs *(07 72 13 00-0171)*

07 72 13 00-0173	EA	26" x 26" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	837.43	263.27
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*50.83*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*134.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-36.17*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*10.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.64*	
07 72 13 00-0174	EA	26" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	932.97	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*56.28*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*149.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-54.24*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*23.20*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*38.69*	
07 72 13 00-0175	EA	26" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	990.51	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*62.03*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*161.08*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*128.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*141.96*	
07 72 13 00-0176	EA	38" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	983.87	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*61.37*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*159.75*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-85.48*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*11.87*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*42.85*	
07 72 13 00-0177	EA	38" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	999.36	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*62.91*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*162.85*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*126.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.57*	
07 72 13 00-0178	EA	38" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,119.26	329.09
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*70.79*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*182.72*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*143.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*188.10*	
07 72 13 00-0179	EA	50" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	994.94	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*62.47*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*161.97*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-88.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*8.58*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.93*	
07 72 13 00-0180	EA	50" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,139.18	329.09
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*72.78*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*186.70*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-126.60*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-49.13*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*26.09*	
07 72 13 00-0181	EA	51" x 99" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,303.73	394.90
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*81.01*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*211.38*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*34.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*158.12*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*213.44*	
07 72 13 00-0182	EA	62" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,099.34	329.09
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*68.80*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*178.73*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*184.34*	
07 72 13 00-0183	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,208.17	362.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*75.57*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*196.38*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-154.54*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-46.10*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*22.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0184	EA	62" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,347.99	394.90
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*85.44*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*220.23*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*40.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*148.93*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*259.58*	

07 72 13 00-0185 2 x 8 Wood Framed, Prefabricated Roof Curbs *(07 72 13 00-0171)*

07 72 13 00-0186	EA	26" x 26" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	850.71	263.27
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*52.16*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*137.23*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-36.17*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*10.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.64*	
07 72 13 00-0187	EA	26" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	948.46	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*57.82*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*152.67*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-54.24*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*23.20*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*38.69*	
07 72 13 00-0188	EA	26" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,032.56	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*66.23*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*169.49*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*128.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*141.96*	
07 72 13 00-0189	EA	38" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,010.43	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*64.02*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*165.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-85.48*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*11.87*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*42.85*	
07 72 13 00-0190	EA	38" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,032.56	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*66.23*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*169.49*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*126.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.57*	
07 72 13 00-0191	EA	38" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,152.46	329.09
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*74.11*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*189.36*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*143.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*188.10*	
07 72 13 00-0192	EA	50" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,019.28	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*64.91*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*166.83*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-88.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*8.58*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.93*	
07 72 13 00-0193	EA	50" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,170.16	329.09
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*75.88*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*192.90*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-126.60*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-49.13*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*26.09*	
07 72 13 00-0194	EA	51" x 99" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,334.71	394.90
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*84.11*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*217.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*34.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*158.12*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*213.44*	
07 72 13 00-0195	EA	62" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,123.69	329.09
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*71.23*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*183.60*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*184.34*	
07 72 13 00-0196	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,236.94	362.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*78.44*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*202.14*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-154.54*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-46.10*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*22.48*	
07 72 13 00-0197	EA	62" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,378.97	394.90
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*88.53*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*226.43*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*40.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*148.93*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*259.58*	

07 72 13 00-0198 2 x 10 Wood Framed, Prefabricated Roof Curbs *(07 72 13 00-0171)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0199	EA	26" x 26" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	859.56	263.27
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*53.05*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*139.00*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-36.17*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*10.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.64*	
07 72 13 00-0200	EA	26" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	963.95	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*59.37*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*155.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-54.24*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*23.20*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*38.69*	
07 72 13 00-0201	EA	26" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,036.98	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*66.68*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*170.37*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*128.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*141.96*	
07 72 13 00-0202	EA	38" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,025.92	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*65.57*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*168.16*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-85.48*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*11.87*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*42.85*	
07 72 13 00-0203	EA	38" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,052.47	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*68.23*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*173.47*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*126.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.57*	
07 72 13 00-0204	EA	38" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,174.59	329.09
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*76.32*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*193.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*143.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*188.10*	
07 72 13 00-0205	EA	50" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,034.77	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*66.46*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*169.93*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-88.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*8.58*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.93*	
07 72 13 00-0206	EA	50" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,190.08	329.09
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*77.87*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*196.88*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-126.60*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-49.13*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*26.09*	
07 72 13 00-0207	EA	51" x 99" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,354.63	394.90
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*86.10*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*221.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*34.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*158.12*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*213.44*	
07 72 13 00-0208	EA	62" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,139.18	329.09
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*72.78*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*186.70*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*184.34*	
07 72 13 00-0209	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,254.64	362.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*80.21*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*205.68*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-154.54*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-46.10*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*22.48*	
07 72 13 00-0210	EA	62" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,401.10	394.90
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*90.75*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*230.86*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*40.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*148.93*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*259.58*	
07 72 13 00-0211		2 x 12 Wood Framed, Prefabricated Roof Curbs *(07 72 13 00-0171)*		
07 72 13 00-0212	EA	26" x 26" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	870.63	263.27
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*54.15*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*141.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-36.17*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*10.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0213	EA	26" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	972.80	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*60.26*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*157.54*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-54.24*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*23.20*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*38.69*	
07 72 13 00-0214	EA	26" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,056.90	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*68.67*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*174.36*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*128.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*141.96*	
07 72 13 00-0215	EA	38" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,074.60	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*70.44*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*177.90*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*126.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.57*	
07 72 13 00-0216	EA	38" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,198.93	329.09
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*78.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*198.65*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*143.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*188.10*	
07 72 13 00-0217	EA	50" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,054.69	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*68.45*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*173.92*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-88.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*8.58*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.93*	
07 72 13 00-0218	EA	50" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,212.21	329.09
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*80.09*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*201.31*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-126.60*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-49.13*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*26.09*	
07 72 13 00-0219	EA	51" x 99" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,381.18	394.90
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*88.75*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*226.87*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*34.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*158.12*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*213.44*	
07 72 13 00-0220	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,272.35	362.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*81.99*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*209.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-154.54*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-46.10*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*22.48*	

07 72 13 00-0221 Wood Framed With Liner, Prefabricated Roof Curbs *(07 72 13 00-0170)*

07 72 13 00-0222 2 x 6 Wood Framed With Liner, Prefabricated Roof Curbs *(07 72 13 00-0221)*

07 72 13 00-0223	EA	26" x 26" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	855.14	263.27
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*52.61*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*138.12*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-36.17*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*10.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.64*	
07 72 13 00-0224	EA	26" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	948.46	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*57.82*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*152.67*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-54.24*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*23.20*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*38.69*	
07 72 13 00-0225	EA	26" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,019.28	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*64.91*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*166.83*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*128.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*141.96*	
07 72 13 00-0226	EA	38" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,003.79	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*63.36*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*163.74*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-85.48*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*11.87*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*42.85*	
07 72 13 00-0227	EA	38" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,023.70	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*65.35*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*167.72*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*126.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0228	EA	38" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,145.82	329.09
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*73.45*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*188.03*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*143.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*188.10*	
07 72 13 00-0229	EA	50" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,014.85	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*64.46*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*165.95*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-88.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*8.58*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.93*	
07 72 13 00-0230	EA	50" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,163.52	329.09
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*75.22*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*191.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-126.60*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-49.13*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*26.09*	
07 72 13 00-0231	EA	51" x 99" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,328.07	394.90
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*83.44*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*216.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*34.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*158.12*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*213.44*	
07 72 13 00-0232	EA	62" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,125.90	329.09
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*71.45*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*184.04*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*184.34*	
07 72 13 00-0233	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,232.51	362.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*78.00*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*201.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-154.54*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-46.10*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*22.48*	
07 72 13 00-0234	EA	62" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,378.97	394.90
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*88.53*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*226.43*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*40.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*148.93*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*259.58*	
07 72 13 00-0235		2 x 8 Wood Framed With Liner, Prefabricated Roof Curbs *(07 72 13 00-0221)*		
07 72 13 00-0236	EA	26" x 26" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	870.63	263.27
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*54.15*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*141.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-36.17*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*10.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.64*	
07 72 13 00-0237	EA	26" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	966.17	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*59.60*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*156.21*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-54.24*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*23.20*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*38.69*	
07 72 13 00-0238	EA	26" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,045.83	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*67.56*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*172.14*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*128.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*141.96*	
07 72 13 00-0239	EA	38" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,030.34	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*66.01*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*169.05*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-85.48*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*11.87*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*42.85*	
07 72 13 00-0240	EA	38" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,059.11	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*68.89*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*174.80*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*126.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.57*	
07 72 13 00-0241	EA	38" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,185.65	329.09
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*77.43*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*195.99*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*143.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*188.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0242	EA	50" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,045.83	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*67.56*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*172.14*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-88.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*8.58*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.93*	
07 72 13 00-0243	EA	50" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,201.14	329.09
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*78.98*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*199.09*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-126.60*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-49.13*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*26.09*	
07 72 13 00-0244	EA	51" x 99" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,370.12	394.90
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*87.65*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*224.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*34.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*158.12*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*213.44*	
07 72 13 00-0245	EA	62" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,154.67	329.09
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*74.33*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*189.80*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*184.34*	
07 72 13 00-0246	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,265.71	362.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*81.32*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*207.89*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-154.54*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-46.10*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*22.48*	
07 72 13 00-0247	EA	62" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,416.59	394.90
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*92.30*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*233.95*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*40.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*148.93*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*259.58*	
07 72 13 00-0248		2 x 10 Wood Framed With Liner, Prefabricated Roof Curbs *(07 72 13 00-0221)*		
07 72 13 00-0249	EA	26" x 26" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	883.91	263.27
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*55.48*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*143.87*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-36.17*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*10.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.64*	
07 72 13 00-0250	EA	26" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	983.87	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*61.37*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*159.75*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-54.24*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*23.20*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*38.69*	
07 72 13 00-0251	EA	26" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,072.39	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*70.22*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*177.46*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*128.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*141.96*	
07 72 13 00-0252	EA	38" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,050.26	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*68.00*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*173.03*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-85.48*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*11.87*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*42.85*	
07 72 13 00-0253	EA	38" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,085.67	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*71.55*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*180.11*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*126.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.57*	
07 72 13 00-0254	EA	38" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,214.42	329.09
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*80.31*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*201.75*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*143.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*188.10*	
07 72 13 00-0255	EA	50" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,065.75	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*69.55*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*176.13*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-88.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*8.58*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0256	EA	50" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,225.49	329.09
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*81.41*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*203.96*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-126.60*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-49.13*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*26.09*	
07 72 13 00-0257	EA	51" x 99" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,396.67	394.90
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*90.30*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*229.97*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*34.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*158.12*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*213.44*	
07 72 13 00-0258	EA	62" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,176.80	329.09
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*76.54*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*194.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*184.34*	
07 72 13 00-0259	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,290.05	362.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*83.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*212.76*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-154.54*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-46.10*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*22.48*	
07 72 13 00-0260	EA	62" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,445.36	394.90
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*95.17*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*239.71*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*40.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*148.93*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*259.58*	

07 72 13 00-0261 2 x 12 Wood Framed With Liner, Prefabricated Roof Curbs *(07 72 13 00-0221)*

07 72 13 00-0262	EA	26" x 26" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	910.46	263.27
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*58.14*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*149.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-36.17*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*10.30*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.64*	
07 72 13 00-0263	EA	26" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	997.15	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*62.69*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*162.41*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-54.24*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*23.20*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*38.69*	
07 72 13 00-0264	EA	26" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,092.31	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*72.21*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*181.44*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*128.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*141.96*	
07 72 13 00-0265	EA	38" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,107.80	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*73.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*184.54*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*126.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.57*	
07 72 13 00-0266	EA	38" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,298.52	329.09
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*88.72*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*218.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*143.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*188.10*	
07 72 13 00-0267	EA	50" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,129.93	296.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*75.97*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*188.96*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-88.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*8.58*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.93*	
07 72 13 00-0268	EA	50" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,302.94	329.09
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*89.16*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*219.45*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-126.60*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-49.13*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*26.09*	
07 72 13 00-0269	EA	51" x 99" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,485.19	394.90
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*99.16*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*247.67*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*34.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*158.12*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*213.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0270	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,371.93	362.00
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*91.94*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*229.14*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-154.54*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-46.10*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*22.48*	

07 72 13 00-0271 Penetration Seals (ChemLink) *(07 72 13)*

07 72 13 00-0272 ChemCurb Penetration Seals (ChemLink ChemCurb) *(07 72 13 00-0271)*

07 72 13 00-0273	EA	5" Inside Diameter Penetration Seals (ChemLink ChemCurb System) Note: Includes 5-inch inside diameter round ChemCurb, M-1® structural adhesive/sealant, and 1-part pourable sealant	135.51
07 72 13 00-0274	EA	7-1/2" Inside Diameter Penetration Seals (ChemLink ChemCurb System) Note: Includes 7.5-inch inside diameter round ChemCurb, M-1® structural adhesive/sealant, and 1-part pourable sealant	218.88

07 72 13 00-0275 E-Curb Penetration Seals (ChemLink E-Curb) *(07 72 13 00-0271)*

07 72 13 00-0276	EA	3" Inside Diameter E-Curb Penetration Seals (ChemLink) Note: Includes 3-inch inside diameter round E-Curb, M-1® structural adhesive/sealant, and 1-part pourable sealant	62.07
07 72 13 00-0277	EA	4" Inside Diameter E-Curb Penetration Seals (ChemLink) Note: Includes 4-inch inside diameter round E-Curb, M-1® structural adhesive/sealant, and 1-part pourable sealant	76.12
07 72 13 00-0278	EA	5" Inside Diameter E-Curb Penetration Seals (ChemLink) Note: Includes 5-inch inside diameter round E-Curb, M-1® structural adhesive/sealant, and 1-part pourable sealant	100.38
07 72 13 00-0279	EA	6" Inside Diameter E-Curb Penetration Seals (ChemLink) Note: Includes 6-inch inside diameter round E-Curb, M-1® structural adhesive/sealant, and 1-part pourable sealant	105.95
07 72 13 00-0280	EA	9" Inside Diameter E-Curb Penetration Seals (ChemLink) Note: Includes 9-inch inside diameter round E-Curb, M-1® structural adhesive/sealant, and 1-part pourable sealant	142.79

07 72 13 00-0281 ChemCurb And E-Curb Penetration Seals Accessories *(07 72 13 00-0271)*

07 72 13 00-0282	EA	5" Long ChemCurb Straight Piece For Penetration Seals (ChemLink) Note: For use with ChemCurb seals too make oval/rectangular curbs.	45.22
07 72 13 00-0283	EA	12" Long ChemCurb Straight Piece For Penetration Seals (ChemLink) Note: For use with ChemCurb seals too make oval/rectangular curbs.	50.44
07 72 13 00-0284	EA	8" Long E-Curb Straight Piece For Penetration Seals (ChemLink) Note: For use with E-Curb seals too make rectangular or "L" shaped curbs.	20.01
07 72 13 00-0285	EA	1/2 Gallon, 1-Part Pourable Penetration Sealant (ChemLink SS-Chem-F1426) Note: For use with ChemCurb and E-Curb seals.	81.71
07 72 13 00-0286	EA	10.1 oz, M-1 Structural Adhesive/Sealant (ChemLink SS-Chem-F1270) Note: For use with ChemCurb and E-Curb seals.	25.62

07 72 23 Relief Vents *(07 72)*

07 72 23 00-0001 Wind Driven Turbine Ventilators *(07 72 23)*
Note: Excludes curb or flange base.

07 72 23 00-0002 Galvanized Steel, Wind Driven Turbine Ventilators *(07 72 23 00-0001)*

07 72 23 00-0003	EA	6" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	190.39	35.67
		For Curb Or Flange Base, Add	*208.99*	
07 72 23 00-0004	EA	9" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	229.01	39.49
		For Curb Or Flange Base, Add	*229.47*	
07 72 23 00-0005	EA	12" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	246.37	47.14
		For Curb Or Flange Base, Add	*254.49*	
07 72 23 00-0006	EA	15" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	480.18	52.23
		For Curb Or Flange Base, Add	*415.51*	
07 72 23 00-0007	EA	18" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	663.80	58.60
		For Curb Or Flange Base, Add	*449.62*	
07 72 23 00-0008	EA	21" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	802.24	63.69
		For Curb Or Flange Base, Add	*488.19*	
07 72 23 00-0009	EA	24" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	1,026.49	71.33
		For Curb Or Flange Base, Add	*599.37*	
07 72 23 00-0010	EA	36" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	1,699.81	95.54
		For Curb Or Flange Base, Add	*988.27*	

07 72 23 00-0011 Mill Finish Aluminum, Wind Driven Turbine Ventilators *(07 72 23 00-0001)*

07 72 23 00-0012	EA	6" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	176.32	35.67
		For Curb Or Flange Base, Add	*209.50*	
07 72 23 00-0013	EA	9" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	220.26	39.49
		For Curb Or Flange Base, Add	*230.61*	
07 72 23 00-0014	EA	12" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	246.37	47.14
		For Curb Or Flange Base, Add	*255.30*	
07 72 23 00-0015	EA	15" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	442.19	52.23
		For Curb Or Flange Base, Add	*440.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 23 00-0016	EA	18" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	571.54	58.60
		For Curb Or Flange Base, Add	*470.69*	
07 72 23 00-0017	EA	21" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	724.16	63.69
		For Curb Or Flange Base, Add	*530.78*	
07 72 23 00-0018	EA	24" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	979.30	71.33
		For Curb Or Flange Base, Add	*641.84*	
07 72 23 00-0019	EA	36" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	1,459.83	95.54
		For Curb Or Flange Base, Add	*966.68*	

07 72 23 00-0020 Stationary Siphon Ventilators *(07 72 23)*

Note: Excludes curb or flange base.

07 72 23 00-0021 Galvanized Steel, Stationary Siphon Ventilators *(07 72 23 00-0020)*

07 72 23 00-0022	EA	6" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	159.77	35.67
		For Curb Or Flange Base, Add	*208.99*	
07 72 23 00-0023	EA	9" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	211.50	39.49
		For Curb Or Flange Base, Add	*229.47*	
07 72 23 00-0024	EA	12" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	232.02	47.14
		For Curb Or Flange Base, Add	*254.49*	
07 72 23 00-0025	EA	15" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	401.62	52.23
		For Curb Or Flange Base, Add	*415.51*	
07 72 23 00-0026	EA	18" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	464.98	58.60
		For Curb Or Flange Base, Add	*449.62*	
07 72 23 00-0027	EA	21" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	661.73	63.69
		For Curb Or Flange Base, Add	*488.19*	
07 72 23 00-0028	EA	24" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	863.64	71.33
		For Curb Or Flange Base, Add	*599.37*	
07 72 23 00-0029	EA	36" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	1,253.09	95.54
		For Curb Or Flange Base, Add	*988.27*	

07 72 23 00-0030 Mill Finish Aluminum, Stationary Siphon Ventilators *(07 72 23 00-0020)*

07 72 23 00-0031	EA	6" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	169.36	35.67
		For Curb Or Flange Base, Add	*209.50*	
07 72 23 00-0032	EA	9" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	224.42	39.49
		For Curb Or Flange Base, Add	*230.61*	
07 72 23 00-0033	EA	12" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	249.86	47.14
		For Curb Or Flange Base, Add	*255.30*	
07 72 23 00-0034	EA	15" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	409.40	52.23
		For Curb Or Flange Base, Add	*440.78*	
07 72 23 00-0035	EA	18" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	515.84	58.60
		For Curb Or Flange Base, Add	*470.69*	
07 72 23 00-0036	EA	21" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	633.62	63.69
		For Curb Or Flange Base, Add	*530.78*	
07 72 23 00-0037	EA	24" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	909.70	71.33
		For Curb Or Flange Base, Add	*641.84*	
07 72 23 00-0038	EA	36" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	1,370.86	95.54
		For Curb Or Flange Base, Add	*966.68*	

07 72 23 00-0039 Spun Aluminum, Stationary Mushroom Gravity Ventilators *(07 72 23)*

Note: Includes flange base and bird screen. Excludes curb.

07 72 23 00-0040	EA	8" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	341.92	57.32
		For Backdraft Damper, Add	*189.08*	
		For Curb Base, Add	*271.71*	
07 72 23 00-0041	EA	10" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	423.94	63.69
		For Backdraft Damper, Add	*206.87*	
		For Curb Base, Add	*297.09*	
07 72 23 00-0042	EA	12" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	478.02	76.43
		For Backdraft Damper, Add	*282.50*	
		For Curb Base, Add	*377.42*	
07 72 23 00-0043	EA	16" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	586.11	84.08
		For Backdraft Damper, Add	*322.54*	
		For Curb Base, Add	*438.07*	
07 72 23 00-0044	EA	24" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	1,596.80	114.65
		For Backdraft Damper, Add	*404.85*	
		For Curb Base, Add	*576.14*	
07 72 23 00-0045	EA	30" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	1,952.80	132.48
		For Backdraft Damper, Add	*478.25*	
		For Curb Base, Add	*689.48*	
07 72 23 00-0046	EA	36" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	2,671.08	152.86
		For Backdraft Damper, Add	*478.25*	
		For Curb Base, Add	*714.79*	
07 72 23 00-0047	EA	42" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	3,772.87	165.60
		For Backdraft Damper, Add	*500.50*	
		For Curb Base, Add	*739.51*	
07 72 23 00-0048	EA	48" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	5,450.80	178.34
		For Backdraft Damper, Add	*556.11*	
		For Curb Base, Add	*833.19*	

07 72 23 00-0049 Galvanized Steel, Stationary Gooseneck Ventilators *(07 72 23)*

Note: Includes flange base and bird screen. Excludes curb.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 23 00-0050	EA	8" x 8", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator	671.67	63.69
07 72 23 00-0051	EA	12" x 12", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator	783.02	84.08
07 72 23 00-0052	EA	16" x 16", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator	1,130.73	114.65
07 72 23 00-0053	EA	24" x 24", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator	1,778.29	132.48

07 72 26 Ridge Vents *(07 72)*

07 72 26 00-0001 Aluminum Ridge Vents *(07 72 26)*

07 72 26 00-0002	LF	Aluminum Ridge Vent Strips	15.82	3.70
07 72 26 00-0003	EA	Aluminum Ridge Univent Connectors	59.31	22.97
07 72 26 00-0004	EA	Aluminum Ridge Univent End Cap	54.71	22.97

07 72 26 00-0005 Galvanized Ridge Vents *(07 72 26)*

07 72 26 00-0006	LF	Galvanized Sheet Metal Ridge Vent Strips	14.43	3.95

07 72 29 Rafter Vent *(07 72)*

07 72 29 00-0001 Rafter Vent *(07 72 29)*

Note: Built-in baffle is designed to help keep air flowing freely from soffits to ridge vents.

07 72 29 00-0002	EA	22" x 4' Rafter Vent	11.01	
07 72 29 00-0003	EA	14" x 4' Rafter Vent	9.90	

07 72 33 Roof Hatches *(07 72)*

Note: Includes curb with integral insulation, lockable hatch and gaskets.

07 72 33 00-0001 Galvanized Steel Cover And Curb *(07 72 33)*

07 72 33 00-0002	EA	2'-6" x 3'-0" Galvanized Steel Roof Hatch	1,495.55	165.36
07 72 33 00-0003	EA	2'-6" x 4'-6" Galvanized Steel Roof Hatch	2,208.44	183.73
07 72 33 00-0004	EA	2'-6" x 8'-0" Galvanized Steel Roof Hatch	3,917.04	250.57
07 72 33 00-0005	EA	3'-0" x 3'-0" Galvanized Steel Roof Hatch	2,179.13	183.73
07 72 33 00-0006	EA	4'-0" x 4'-0" Galvanized Steel Roof Hatch	2,460.03	204.17
07 72 33 00-0007	EA	3'-0" x 8'-0" Galvanized Steel Roof Hatch	4,048.77	278.46

07 72 33 00-0008 Aluminum Cover And Curb *(07 72 33)*

07 72 33 00-0009	EA	2'-6" x 3'-0" Aluminum Roof Hatch	1,247.58	165.36
07 72 33 00-0010	EA	2'-6" x 4'-6" Aluminum Roof Hatch	1,614.66	183.73
07 72 33 00-0011	EA	2'-6" x 8'-0" Aluminum Roof Hatch	2,916.39	250.57
07 72 33 00-0012	EA	3'-0" x 3'-0" Aluminum Roof Hatch	1,577.77	183.73
07 72 33 00-0013	EA	4'-0" x 4'-0" Aluminum Roof Hatch	2,787.08	204.17
07 72 33 00-0014	EA	3'-0" x 8'-0" Aluminum Roof Hatch	3,072.27	278.46
07 72 33 00-0015	EA	3'-0" x 2'-6" Aluminum Roof Scuttle With Skylight	1,763.51	183.73

07 72 33 00-0016 Steel, Plain, Primed *(07 72 33)*

07 72 33 00-0017	EA	2'-6" x 3'-0" Plain Steel Roof Hatch Primed	1,432.55	165.36
07 72 33 00-0018	EA	2'-6" x 4'-6" Plain Steel Roof Hatch Primed	1,946.75	183.73
07 72 33 00-0019	EA	2'-6" x 8'-0" Plain Steel Roof Hatch Primed	2,667.21	250.57
07 72 33 00-0020	EA	3'-0" x 3'-0" Plain Steel Roof Hatch Primed	1,807.10	183.73
07 72 33 00-0021	EA	4'-0" x 4'-0" Plain Steel Roof Hatch Primed	2,220.01	204.17
07 72 33 00-0022	EA	3'-0" x 8'-0" Plain Steel Roof Hatch Primed	3,016.68	278.46

07 72 33 00-0023 Stainless Steel *(07 72 33)*

07 72 33 00-0024	EA	2'-6" x 3'-0" Stainless Steel Roof Hatch	3,059.85	165.36
07 72 33 00-0025	EA	2'-6" x 4'-6" Stainless Steel Roof Hatch	5,863.69	183.73
07 72 33 00-0026	EA	2'-6" x 8'-0" Stainless Steel Roof Hatch	8,819.30	250.57
07 72 33 00-0027	EA	3'-0" x 3'-0" Stainless Steel Roof Hatch	4,704.46	183.73
07 72 33 00-0028	EA	4'-0" x 4'-0" Stainless Steel Roof Hatch	9,953.56	204.17
07 72 33 00-0029	EA	3'-0" x 8'-0" Stainless Steel Roof Hatch	11,145.59	278.46

07 72 33 00-0030 Removal And Reinstallation Of Roof Hatch *(07 72 33)*

Note: Includes storage, cleaning and supply materials.

07 72 33 00-0031	EA	Removal And Reinstallation Of Roof Hatch (All Types)	508.62	

07 72 33 00-0032 Aluminum Cover And Galvanized Steel Curb *(07 72 33)*

07 72 33 00-0033	EA	Aluminum Cover, Galvanized Steel Curb 3'-0" x 2'-6" Roof	1,209.64	183.73
07 72 33 00-0034	EA	Aluminum Cover, Galvanized Steel Curb 2'-6" x 4'-6" Roof	1,576.73	204.17
07 72 33 00-0035	EA	Aluminum Cover, Galvanized Steel Curb 2'-6" x 8'-0" Roof	2,817.76	278.35
07 72 33 00-0036	EA	Aluminum Cover, Galvanized Steel Curb 3'-0" x 3'-0" Roof	1,547.42	189.48
07 72 33 00-0037	EA	Aluminum Cover, Galvanized Steel Curb 4'-0" x 4'-0" Roof	2,703.62	209.91

07 72 33 00-0038 Roof Hatch Safety Railing *(07 72 33)*

Note: Included mounting bracket to attach to roof hatch

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 33 00-0039	EA	24" x 24" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	2,092.54	
07 72 33 00-0040	EA	24" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	2,172.21	
07 72 33 00-0041	EA	30" x 30" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	2,227.03	
07 72 33 00-0042	EA	30" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	2,423.91	
07 72 33 00-0043	EA	36" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	2,651.10	
07 72 33 00-0044	EA	48" x 48" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	3,392.60	
07 72 33 00-0045		Roof Hatch Accessories *(07 72 33)*		
07 72 33 00-0046	EA	Enamel Steel, Roof Hatch Ladderup Safety Post	938.02	86.12
07 72 36		**Smoke Vents** *(07 72)*		
07 72 36 00-0001		Fire Vent *(07 72 36)*		
07 72 36 00-0002		Galvanized Steel Covers And Curb *(07 72 36 00-0001)*		
07 72 36 00-0003	EA	4'-0" x 4'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	3,973.98	153.19
07 72 36 00-0004	EA	4'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	4,564.14	210.61
07 72 36 00-0005	EA	4'-0" x 7'-6" Galvanized Steel Covers And Curb, Smoke And Fire Vent	5,204.91	229.78
07 72 36 00-0006	EA	4'-0" x 8'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	5,306.14	241.26
07 72 36 00-0007	EA	5'-0" x 5'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	6,172.28	210.61
07 72 36 00-0008	EA	5'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	6,561.03	229.78
07 72 36 00-0009	EA	5'-0" x 7'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	6,925.74	248.95
07 72 36 00-0010	EA	5'-0" x 8'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	7,890.52	268.14
07 72 36 00-0011	EA	5'-0" x 10'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	9,803.38	287.20
07 72 36 00-0012	EA	5'-6" x 5'-6" Galvanized Steel Covers And Curb, Smoke And Fire Vent	6,553.71	248.95
07 72 36 00-0013	EA	5'-6" x 12'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	13,840.45	306.37
07 72 36 00-0014	EA	6'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	7,544.61	325.55
07 72 36 00-0015		Aluminum Covers And Galvanized Steel Curb *(07 72 36 00-0001)*		
07 72 36 00-0016	EA	4'-0" x 4'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	2,687.94	153.19
07 72 36 00-0017	EA	4'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	3,085.14	210.61
07 72 36 00-0018	EA	4'-0" x 7'-6" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	3,470.46	229.78
07 72 36 00-0019	EA	4'-0" x 8'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	3,593.90	241.26
07 72 36 00-0020	EA	5'-0" x 5'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	3,487.26	210.61
07 72 36 00-0021	EA	5'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	4,449.21	229.78
07 72 36 00-0022	EA	5'-0" x 7'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	4,758.62	248.95
07 72 36 00-0023	EA	5'-0" x 8'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	4,635.59	268.14
07 72 36 00-0024	EA	5'-0" x 10'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	6,500.40	287.20
07 72 36 00-0025	EA	5'-6" x 5'-6" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	4,493.07	248.95
07 72 36 00-0026	EA	5'-6" x 12'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	8,516.99	306.37
07 72 36 00-0027	EA	6'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	4,418.22	325.55
07 72 36 00-0028		Aluminum Covers And Curb *(07 72 36 00-0001)*		
07 72 36 00-0029	EA	4'-0" x 4'-0" Aluminum Covers And Curb, Smoke And Fire Vent	2,930.73	153.19
07 72 36 00-0030	EA	4'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent	3,487.26	210.61
07 72 36 00-0031	EA	4'-0" x 7'-6" Aluminum Covers And Curb, Smoke And Fire Vent	3,827.06	229.78
07 72 36 00-0032	EA	4'-0" x 8'-0" Aluminum Covers And Curb, Smoke And Fire Vent	4,049.13	241.26
07 72 36 00-0033	EA	5'-0" x 5'-0" Aluminum Covers And Curb, Smoke And Fire Vent	3,669.35	210.61
07 72 36 00-0034	EA	5'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent	4,638.89	229.78
07 72 36 00-0035	EA	5'-0" x 7'-0" Aluminum Covers And Curb, Smoke And Fire Vent	4,925.54	248.95
07 72 36 00-0036	EA	5'-0" x 8'-0" Aluminum Covers And Curb, Smoke And Fire Vent	5,090.82	268.14
07 72 36 00-0037	EA	5'-0" x 10'-0" Aluminum Covers And Curb, Smoke And Fire Vent	6,174.15	287.20
07 72 36 00-0038	EA	5'-6" x 5'-6" Aluminum Covers And Curb, Smoke And Fire Vent	4,705.51	248.95
07 72 36 00-0039	EA	5'-6" x 12'-0" Aluminum Covers And Curb, Smoke And Fire Vent	9,298.48	306.37
07 72 36 00-0040	EA	6'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent	4,873.45	325.55
07 72 36 00-0041		Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb *(07 72 36)*		
07 72 36 00-0042	EA	4'-0" x 4'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent	2,900.38	152.72
07 72 36 00-0043	EA	4'-0" x 6'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent	3,676.94	210.61
07 72 36 00-0044	EA	4'-0" x 8'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent	3,889.79	241.26
07 72 36 00-0045	EA	5'-0" x 5'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent	4,170.12	210.61
07 72 36 00-0046	EA	5'-0" x 8'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent	4,407.98	268.14
07 72 38		**Roof Dormers** *(07 72)*		
07 72 38 13		**Roof Dormer Vent** *(07 72 38)*		
07 72 38 13-0001		Copper Roof Dormer Vent *(07 72 38 13)*		
		Note: Includes insect screen on the inside of the louvers and fabricated with sturdy wooden framing.		
07 72 38 13-0002		Half Round Copper Roof Dormer Vent *(07 72 38 13-0001)*		
07 72 38 13-0003	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	456.57	72.74
07 72 38 13-0004	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	571.33	72.74
07 72 38 13-0005	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	701.49	72.74

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 38 13-0006	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	799.11	72.74
07 72 38 13-0007	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	915.58	72.74
07 72 38 13-0008	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,028.62	72.74
07 72 38 13-0009	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,143.37	72.74
07 72 38 13-0010	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,258.12	72.74
07 72 38 13-0011	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	1,372.87	72.74
07 72 38 13-0012	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	1,485.91	72.74
07 72 38 13-0013	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	1,600.66	72.74
07 72 38 13-0014	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	1,715.41	72.74
07 72 38 13-0015	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	826.52	72.74
07 72 38 13-0016	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	941.27	72.74
07 72 38 13-0017	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,071.43	72.74
07 72 38 13-0018	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,169.06	72.74
07 72 38 13-0019	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,285.52	72.74
07 72 38 13-0020	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	1,398.56	72.74
07 72 38 13-0021	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	1,513.31	72.74
07 72 38 13-0022	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	1,628.06	72.74
07 72 38 13-0023	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	1,742.81	72.74
07 72 38 13-0024	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	1,855.85	72.74
07 72 38 13-0025	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	1,970.60	72.74
07 72 38 13-0026	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,085.35	72.74
07 72 38 13-0027	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	539.25	88.06
07 72 38 13-0028	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	654.00	88.06
07 72 38 13-0029	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	784.17	88.06
07 72 38 13-0030	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	881.79	88.06
07 72 38 13-0031	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	998.26	88.06
07 72 38 13-0032	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,111.30	88.06
07 72 38 13-0033	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,226.05	88.06
07 72 38 13-0034	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,340.80	88.06
07 72 38 13-0035	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	1,455.55	88.06
07 72 38 13-0036	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	1,568.59	88.06
07 72 38 13-0037	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	1,683.34	88.06
07 72 38 13-0038	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	1,798.09	88.06
07 72 38 13-0039	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	909.20	88.06
07 72 38 13-0040	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,023.95	88.06
07 72 38 13-0041	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,154.11	88.06
07 72 38 13-0042	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,251.74	88.06
07 72 38 13-0043	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,368.20	88.06
07 72 38 13-0044	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	1,481.24	88.06
07 72 38 13-0045	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	1,595.99	88.06
07 72 38 13-0046	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	1,710.74	88.06
07 72 38 13-0047	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	1,825.49	88.06
07 72 38 13-0048	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	1,938.53	88.06
07 72 38 13-0049	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,053.28	88.06
07 72 38 13-0050	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,168.03	88.06
07 72 38 13-0051	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	627.60	98.26
07 72 38 13-0052	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	742.35	98.26
07 72 38 13-0053	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	872.51	98.26
07 72 38 13-0054	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	970.14	98.26
07 72 38 13-0055	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,086.60	98.26
07 72 38 13-0056	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,199.64	98.26
07 72 38 13-0057	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,314.39	98.26
07 72 38 13-0058	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,429.14	98.26
07 72 38 13-0059	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	1,543.89	98.26
07 72 38 13-0060	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	1,656.93	98.26
07 72 38 13-0061	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	1,771.68	98.26
07 72 38 13-0062	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	1,886.43	98.26
07 72 38 13-0063	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	997.54	98.26
07 72 38 13-0064	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,112.29	98.26
07 72 38 13-0065	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,242.46	98.26
07 72 38 13-0066	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,340.08	98.26
07 72 38 13-0067	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,456.55	98.26
07 72 38 13-0068	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	1,569.58	98.26
07 72 38 13-0069	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	1,684.33	98.26
07 72 38 13-0070	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	1,799.09	98.26
07 72 38 13-0071	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	1,913.84	98.26
07 72 38 13-0072	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,026.87	98.26
07 72 38 13-0073	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,141.63	98.26
07 72 38 13-0074	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,256.38	98.26
07 72 38 13-0075	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	732.41	112.30
07 72 38 13-0076	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	847.16	112.30
07 72 38 13-0077	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	977.33	112.30
07 72 38 13-0078	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,074.95	112.30
07 72 38 13-0079	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,191.41	112.30
07 72 38 13-0080	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,304.45	112.30
07 72 38 13-0081	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,419.20	112.30
07 72 38 13-0082	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,533.95	112.30
07 72 38 13-0083	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	1,648.70	112.30
07 72 38 13-0084	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	1,761.74	112.30
07 72 38 13-0085	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	1,876.49	112.30
07 72 38 13-0086	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	1,991.24	112.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 38 13-0087	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,102.35	112.30
07 72 38 13-0088	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,217.10	112.30
07 72 38 13-0089	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,347.27	112.30
07 72 38 13-0090	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,444.89	112.30
07 72 38 13-0091	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,561.36	112.30
07 72 38 13-0092	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	1,674.40	112.30
07 72 38 13-0093	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	1,789.15	112.30
07 72 38 13-0094	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	1,903.90	112.30
07 72 38 13-0095	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,018.65	112.30
07 72 38 13-0096	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,131.69	112.30
07 72 38 13-0097	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,246.44	112.30
07 72 38 13-0098	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,361.19	112.30
07 72 38 13-0099	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	1,040.05	125.06
07 72 38 13-0100	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,154.80	125.06
07 72 38 13-0101	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,284.96	125.06
07 72 38 13-0102	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,382.59	125.06
07 72 38 13-0103	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,499.05	125.06
07 72 38 13-0104	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,612.09	125.06
07 72 38 13-0105	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,726.84	125.06
07 72 38 13-0106	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,841.59	125.06
07 72 38 13-0107	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	1,956.34	125.06
07 72 38 13-0108	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	2,069.38	125.06
07 72 38 13-0109	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,184.13	125.06
07 72 38 13-0110	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,298.88	125.06
07 72 38 13-0111	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,409.99	125.06
07 72 38 13-0112	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,524.74	125.06
07 72 38 13-0113	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,654.91	125.06
07 72 38 13-0114	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,752.53	125.06
07 72 38 13-0115	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,868.99	125.06
07 72 38 13-0116	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	1,982.03	125.06
07 72 38 13-0117	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	2,096.78	125.06
07 72 38 13-0118	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,211.53	125.06
07 72 38 13-0119	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,326.29	125.06
07 72 38 13-0120	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,439.32	125.06
07 72 38 13-0121	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,554.07	125.06
07 72 38 13-0122	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,668.83	125.06
07 72 38 13-0123	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	1,406.99	125.06
07 72 38 13-0124	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,538.33	135.27
07 72 38 13-0125	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,668.50	135.27
07 72 38 13-0126	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,766.12	135.27
07 72 38 13-0127	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,882.59	135.27
07 72 38 13-0128	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,995.63	135.27
07 72 38 13-0129	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	2,110.38	135.27
07 72 38 13-0130	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	2,225.13	135.27
07 72 38 13-0131	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	2,339.88	135.27
07 72 38 13-0132	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	2,452.92	135.27
07 72 38 13-0133	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,567.67	135.27
07 72 38 13-0134	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,682.42	135.27
07 72 38 13-0135	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,793.53	135.27
07 72 38 13-0136	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,908.28	135.27
07 72 38 13-0137	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	2,038.44	135.27
07 72 38 13-0138	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	2,136.07	135.27
07 72 38 13-0139	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	2,252.53	135.27
07 72 38 13-0140	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	2,365.57	135.27
07 72 38 13-0141	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	2,480.32	135.27
07 72 38 13-0142	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,595.07	135.27
07 72 38 13-0143	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,709.82	135.27
07 72 38 13-0144	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,822.86	135.27
07 72 38 13-0145	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,937.61	135.27
07 72 38 13-0146	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	3,052.36	135.27

07 72 38 13-0147 Third Round Copper Roof Dormer Vent *(07 72 38 13-0001)*

07 72 38 13-0148	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	687.90	112.30
07 72 38 13-0149	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	802.65	112.30
07 72 38 13-0150	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	932.81	112.30
07 72 38 13-0151	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,030.44	112.30
07 72 38 13-0152	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,146.90	112.30
07 72 38 13-0153	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,259.94	112.30
07 72 38 13-0154	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,374.69	112.30
07 72 38 13-0155	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,489.44	112.30
07 72 38 13-0156	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	1,604.19	112.30
07 72 38 13-0157	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	1,717.23	112.30
07 72 38 13-0158	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	1,831.98	112.30
07 72 38 13-0159	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	1,946.73	112.30
07 72 38 13-0160	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	903.70	112.30
07 72 38 13-0161	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,018.45	112.30
07 72 38 13-0162	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,148.61	112.30
07 72 38 13-0163	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,246.24	112.30
07 72 38 13-0164	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,362.70	112.30
07 72 38 13-0165	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	1,475.74	112.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 38 13-0166	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	1,590.49	112.30
07 72 38 13-0167	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	1,705.24	112.30
07 72 38 13-0168	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	1,819.99	112.30
07 72 38 13-0169	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	1,933.03	112.30
07 72 38 13-0170	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,047.78	112.30
07 72 38 13-0171	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,162.53	112.30
07 72 38 13-0172	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	783.42	125.06
07 72 38 13-0173	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	898.17	125.06
07 72 38 13-0174	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,028.33	125.06
07 72 38 13-0175	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,125.96	125.06
07 72 38 13-0176	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,242.42	125.06
07 72 38 13-0177	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,355.46	125.06
07 72 38 13-0178	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,470.21	125.06
07 72 38 13-0179	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,584.96	125.06
07 72 38 13-0180	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	1,699.71	125.06
07 72 38 13-0181	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	1,812.75	125.06
07 72 38 13-0182	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	1,927.50	125.06
07 72 38 13-0183	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,042.25	125.06
07 72 38 13-0184	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	999.22	125.06
07 72 38 13-0185	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,113.97	125.06
07 72 38 13-0186	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,244.13	125.06
07 72 38 13-0187	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,341.76	125.06
07 72 38 13-0188	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,458.22	125.06
07 72 38 13-0189	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	1,571.26	125.06
07 72 38 13-0190	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	1,686.01	125.06
07 72 38 13-0191	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	1,800.76	125.06
07 72 38 13-0192	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	1,915.51	125.06
07 72 38 13-0193	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,028.55	125.06
07 72 38 13-0194	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,143.30	125.06
07 72 38 13-0195	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,258.05	125.06
07 72 38 13-0196	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	1,000.23	125.06
07 72 38 13-0197	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,131.57	135.27
07 72 38 13-0198	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,261.73	135.27
07 72 38 13-0199	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,359.36	135.27
07 72 38 13-0200	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,475.82	135.27
07 72 38 13-0201	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,588.86	135.27
07 72 38 13-0202	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,703.61	135.27
07 72 38 13-0203	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,818.36	135.27
07 72 38 13-0204	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	1,933.11	135.27
07 72 38 13-0205	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	2,046.15	135.27
07 72 38 13-0206	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,160.90	135.27
07 72 38 13-0207	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,275.65	135.27
07 72 38 13-0208	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,232.62	135.27
07 72 38 13-0209	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,347.37	135.27
07 72 38 13-0210	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,477.53	135.27
07 72 38 13-0211	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,575.16	135.27
07 72 38 13-0212	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,691.62	135.27
07 72 38 13-0213	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	1,804.66	135.27
07 72 38 13-0214	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	1,919.41	135.27
07 72 38 13-0215	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,034.16	135.27
07 72 38 13-0216	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,148.91	135.27
07 72 38 13-0217	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,261.95	135.27
07 72 38 13-0218	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,376.70	135.27
07 72 38 13-0219	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,491.45	135.27

07 72 46 Roof Walkways *(07 72)*

07 72 46 00-0001 Recycled Rubber Walkway Pads *(07 72 46)*

07 72 46 00-0002	SF	3/8" Thick, Button Surface, Recycled Rubber Walkway Pad	13.11	3.13
		For Diamond Surface, Add	*1.16*	
07 72 46 00-0003	SF	1/2" Thick, Button Surface, Recycled Rubber Walkway Pad	14.60	3.75
		For Diamond Surface, Add	*1.35*	
07 72 46 00-0004	SF	3/4" Thick, Button Surface, Recycled Rubber Walkway Pad	16.11	3.75
		For Diamond Surface, Add	*1.51*	

07 72 63 Waste Containment Assemblies *(07 72)*

07 72 63 00-0001 Rooftop Oil And Grease Containment System *(07 72 63)*

07 72 63 00-0002 Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD-E) *(07 72 63 00-0001)*

07 72 63 00-0003	EA	48" Length, 48" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD100-E)	3,252.12	259.48
07 72 63 00-0004	EA	60" Length, 60" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD101-E)	3,630.90	259.48
07 72 63 00-0005	EA	60" Length, 90" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD106-E)	4,448.16	269.86
07 72 63 00-0006	EA	72" Length, 72" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD102-E)	4,426.51	269.86

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 63 00-0007	EA	72" Length, 108" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD103-E)	5,774.18	291.92
07 72 63 00-0008	EA	72" Length, 144" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD111-E)	4,513.03	291.92
07 72 63 00-0009	EA	90" Length, 90" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD105-E)	5,032.45	345.89
07 72 63 00-0010	EA	108" Length, 108" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD112-E)	7,402.86	432.43
07 72 63 00-0011	EA	120" Length, 120" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD107-E)	9,178.20	432.43
07 72 63 00-0012	EA	144" Length, 144" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD113-E)	11,613.89	432.43

07 72 63 00-0013 Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD) *(07 72 63 00-0001)*

07 72 63 00-0014	EA	48" Length, 48" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD100)	3,993.54	259.48
07 72 63 00-0015	EA	60" Length, 60" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD101)	4,486.11	259.48
07 72 63 00-0016	EA	60" Length, 90" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD106)	5,536.11	269.86
07 72 63 00-0017	EA	72" Length, 72" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD102)	5,633.56	269.86
07 72 63 00-0018	EA	72" Length, 108" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD103)	8,031.26	291.92
07 72 63 00-0019	EA	72" Length, 144" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD111)	8,805.27	291.92
07 72 63 00-0020	EA	90" Length, 90" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD105)	8,193.44	345.89
07 72 63 00-0021	EA	108" Length, 108" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD112)	9,232.33	432.43
07 72 63 00-0022	EA	120" Length, 120" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD107)	11,543.52	432.43
07 72 63 00-0023	EA	144" Length, 144" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD113)	14,709.91	432.43

07 72 63 00-0024 Replacement Filter Sets For Rooftop Oil And Grease Containment System *(07 72 63)*

Note: Includes removing old filters and installing new filters.

07 72 63 00-0025 Top And Center Replacement Filter Sets For Rooftop Oil And Grease Containment System *(07 72 63 00-0024)*

07 72 63 00-0026 Light Duty, Top And Center Replacement Filter Sets For Rooftop Oil And Grease Containment System *(07 72 63 00-0025)*

07 72 63 00-0027	SET	48" Length, 48" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-E)	267.33
07 72 63 00-0028	SET	60" Length, 60" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-E)	375.59
07 72 63 00-0029	SET	60" Length, 90" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-E)	537.95
07 72 63 00-0030	SET	72" Length, 72" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-E)	496.80
07 72 63 00-0031	SET	72" Length, 108" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-E)	929.82
07 72 63 00-0032	SET	72" Length, 144" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-E)	940.63
07 72 63 00-0033	SET	90" Length, 90" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-E)	726.29
07 72 63 00-0034	SET	108" Length, 108" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-E)	942.80
07 72 63 00-0035	SET	120" Length, 120" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-E)	1,381.22
07 72 63 00-0036	SET	144" Length, 144" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-E)	1,819.65

07 72 63 00-0037 Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System *(07 72 63 00-0024)*

07 72 63 00-0038 Light Duty, Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System *(07 72 63 00-0037)*

07 72 63 00-0039	SET	48" Length, 48" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-EC)	557.41
07 72 63 00-0040	SET	60" Length, 60" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-EC)	741.45
07 72 63 00-0041	SET	60" Length, 90" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-EC)	1,077.04
07 72 63 00-0042	SET	72" Length, 72" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-EC)	1,003.40

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 63 00-0043	SET	72" Length, 108" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-EC)	1,928.96	
07 72 63 00-0044	SET	72" Length, 144" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-EC)	1,939.78	
07 72 63 00-0045	SET	90" Length, 90" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-EC)	1,438.56	
07 72 63 00-0046	SET	108" Length, 108" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-EC)	1,941.94	
07 72 63 00-0047	SET	120" Length, 120" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-EC)	2,845.85	
07 72 63 00-0048	SET	144" Length, 144" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-EC)	3,787.65	

07 72 63 00-0049 Heavy-Duty, Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System *(07 72 63 00-0037)*

07 72 63 00-0050	SET	48" Length, 48" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-C)	692.74	
07 72 63 00-0051	SET	60" Length, 60" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-C)	860.54	
07 72 63 00-0052	SET	60" Length, 90" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-C)	1,261.06	
07 72 63 00-0053	SET	72" Length, 72" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-C)	1,192.85	
07 72 63 00-0054	SET	72" Length, 108" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-C)	2,324.08	
07 72 63 00-0055	SET	72" Length, 144" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-C)	2,313.26	
07 72 63 00-0056	SET	90" Length, 90" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-C)	1,687.56	
07 72 63 00-0057	SET	108" Length, 108" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-C)	2,337.06	
07 72 63 00-0058	SET	120" Length, 120" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-C)	3,278.86	
07 72 63 00-0059	SET	144" Length, 144" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-C)	4,561.67	

07 73 Roof Protection Board *(07 70)*

07 73 00 00-0001 Roof Protection Board *(07 73)*

Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements.

07 73 00 00-0002 Cold Adhesive Applied, Roof Protection Board (Georgia-Pacific DensDeck®) *(07 73 00 00-0001)*

07 73 00 00-0003	SF	1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck®)	4.33	0.65
		For No Adhesive, Deduct	*-0.96*	
07 73 00 00-0004	SF	1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck®)	4.89	0.72
		For No Adhesive, Deduct	*-0.99*	
07 73 00 00-0005	SF	5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck®)	5.16	0.78
		For No Adhesive, Deduct	*-1.01*	
07 73 00 00-0006	SF	1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck® Prime)	4.39	0.65
		For No Adhesive, Deduct	*-0.96*	
07 73 00 00-0007	SF	1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck® Prime)	4.98	0.72
		For No Adhesive, Deduct	*-0.99*	
07 73 00 00-0008	SF	5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck® Prime)	5.25	0.78
		For No Adhesive, Deduct	*-1.01*	

07 73 00 00-0009 Hot-Mopped, Roof Protection Board (Georgia-Pacific DensDeck®) *(07 73 00 00-0001)*

07 73 00 00-0010	SF	1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck®)	4.16	0.65
07 73 00 00-0011	SF	1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck®)	4.75	0.72
07 73 00 00-0012	SF	5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck®)	5.04	0.78
07 73 00 00-0013	SF	1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck® Prime)	4.22	0.65
07 73 00 00-0014	SF	1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck® Prime)	4.84	0.72
07 73 00 00-0015	SF	5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck® Prime)	5.13	0.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 73 00 00-0016		Mechanically Fastened, Roof Protection Board (Georgia-Pacific DensDeck®) *(07 73 00 00-0001)*		
		Note: Mechanically fastened to wood or steel.		
07 73 00 00-0017	SF	1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck®)	4.12	0.65
		For Mechanically Fastened To Concrete, Add	*1.73*	
		For Mechanically Fastened To Gypsum, Add	*2.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.77*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.08*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.76*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.15*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.19*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.13*	
07 73 00 00-0018	SF	1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck®)	4.68	0.72
		For Mechanically Fastened To Concrete, Add	*1.73*	
		For Mechanically Fastened To Gypsum, Add	*2.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.77*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.18*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.76*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.15*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.29*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.13*	
07 73 00 00-0019	SF	5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck®)	4.95	0.78
		For Mechanically Fastened To Concrete, Add	*1.73*	
		For Mechanically Fastened To Gypsum, Add	*2.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.77*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.25*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.76*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.15*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.36*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.13*	
07 73 00 00-0020	SF	1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck® Prime)	4.18	0.65
		For Mechanically Fastened To Concrete, Add	*1.73*	
		For Mechanically Fastened To Gypsum, Add	*2.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.77*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.08*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.76*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.15*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.19*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.13*	
07 73 00 00-0021	SF	1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck® Prime)	4.77	0.72
		For Mechanically Fastened To Concrete, Add	*1.73*	
		For Mechanically Fastened To Gypsum, Add	*2.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.77*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.18*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.76*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.15*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.29*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.13*	
07 73 00 00-0022	SF	5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck® Prime)	5.04	0.78
		For Mechanically Fastened To Concrete, Add	*1.73*	
		For Mechanically Fastened To Gypsum, Add	*2.26*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.77*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.25*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.76*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.15*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.36*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.13*	

07 76 Roof Pavers *(07 70)*

07 76 16 Roof Decking Pavers *(07 76)*

07 76 16 00-0001		Roof Pavers *(07 76 16)*		
		Note: For walkway application over roofing system.		
07 76 16 00-0002	SF	Up To 100 SF, 2" Concrete Roof Paver	12.93	8.13
		For 1-1/2" Thickness, Deduct	*-1.29*	
		For 2-1/2" Thickness, Add	*1.41*	
		For 3" Thickness, Add	*2.82*	
07 76 16 00-0003	SF	>100 To 200 SF, 2" Concrete Roof Paver	11.56	6.12
		For 1-1/2" Thickness, Deduct	*-1.16*	
		For 2-1/2" Thickness, Add	*1.27*	
		For 3" Thickness, Add	*2.53*	
07 76 16 00-0004	SF	>200 To 400 SF, 2" Concrete Roof Paver	10.82	4.88
		For 1-1/2" Thickness, Deduct	*-1.08*	
		For 2-1/2" Thickness, Add	*1.19*	
		For 3" Thickness, Add	*2.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 76 16 00-0005	SF	>400 To 1,000 SF, 2" Concrete Roof Paver	10.38	4.25
		For 1-1/2" Thickness, Deduct	*-1.04*	
		For 2-1/2" Thickness, Add	*1.14*	
		For 3" Thickness, Add	*2.27*	
07 76 16 00-0006	SF	>1,000 SF, 2" Concrete Roof Paver	9.81	3.87
		For 1-1/2" Thickness, Deduct	*-0.98*	
		For 2-1/2" Thickness, Add	*1.07*	
		For 3" Thickness, Add	*2.14*	
07 76 16 00-0007		**Roof Paver Pedestal** *(07 76 16)*		
07 76 16 00-0008	EA	2" To 3" High Adjustable Roof Paver Pedestal, 2" Base, 2" Top (Hanover Elevator)	27.00	1.30
07 76 16 00-0009	EA	3" To 4-3/4" High Adjustable Roof Paver Pedestal, 3" Base, 3" Top (Hanover Elevator)	28.29	1.30
07 76 16 00-0010	EA	4-3/4" To 7-3/4" High Adjustable Roof Paver Pedestal, 4" Base, 4" Top (Hanover Elevator)	29.59	1.30
07 76 16 00-0011	EA	Adjustable Roof Paver Pedestal Coupler, Adds 2-1/2" To 4" (Hanover Elevator)	14.99	1.30
07 76 16 00-0012	EA	Stay Bar, Used With Roof Paver Pedestals >16' High (Hanover Elevator)	13.43	1.30
07 76 16 00-0013	EA	5/8" High Tab Roof Paver Pedestal (Hanover High Tab Pedestal) Note: Stackable.	13.75	1.30
07 76 16 00-0014	EA	1/16" And 1/8" Flexible Leveling Plates For Roof Paver Pedestal Note: Used with High Tab and Elevator pedestals.	7.73	1.30
07 76 16 00-0015	EA	Roof Paver Leveling System, Twist To Adjust Pitch (Hanover Compensator) Note: Each Compensator levels 1/8" of slope and are stackable. Used with High Tab and Elevator pedestals.	10.33	1.30
07 76 16 00-0016		**Roof Paver** *(07 76 16)* Note: For walkway application over roofing system.		
07 76 16 00-0017	EA	2" Thick, 48" x 48" Nonimal, Reinforced Precast Concrete Pavers Note: Custom color and finish to match existing	923.11	
07 76 19		**Composite Insulation Concrete Protection Board** *(07 76)* Note: Manufactured by T. Clear Corp. 25 year warranty.		
07 76 19 00-0001		**Composite Insulation Concrete Protection Board** *(07 76 19)* Note: Manufactured by T. Clear Corp. 25 year warranty.		
07 76 19 00-0002	SF	2" Extruded Polystyrene Insulation Board Lightguard Composite With 3/8" Latex Modified Concrete, 4.5 PSF	6.37	
		For 20 Year Warranty, Deduct	*-0.37*	
		For 15 Year Warranty, Deduct	*-0.75*	
		For 10 Year Warranty, Deduct	*-1.02*	
		For Winds >90 MPH To 120 MPH Warranty, Add	*0.10*	
07 76 19 00-0003	SF	3" Extruded Polystyrene Insulation Board Lightguard Composite With 3/8" Latex Modified Concrete, 4.5 PSF	8.29	
		For 20 Year Warranty, Deduct	*-0.53*	
		For 15 Year Warranty, Deduct	*-1.07*	
		For 10 Year Warranty, Deduct	*-1.44*	
		For Winds >90 MPH To 120 MPH Warranty, Add	*0.10*	
07 76 19 00-0004	SF	2" Extruded Polystyrene Insulation Board Heavyguard Composite With 15/16" Latex Modified Concrete, 11 PSF	9.75	
		For 20 Year Warranty, Deduct	*-0.62*	
		For 15 Year Warranty, Deduct	*-1.24*	
		For 10 Year Warranty, Deduct	*-1.68*	
		For Winds >90 MPH To 120 MPH Warranty, Add	*0.10*	
07 76 19 00-0005	SF	3" Extruded Polystyrene Insulation Board Heavyguard Composite With 15/16" Latex Modified Concrete, 11 PSF	11.77	
		For 20 Year Warranty, Deduct	*-0.77*	
		For 15 Year Warranty, Deduct	*-1.56*	
		For 10 Year Warranty, Deduct	*-2.10*	
		For Winds >90 MPH To 120 MPH Warranty, Add	*0.10*	

07 80 Fire and Smoke Protection *(07)*

07 81 Applied Fireproofing *(07 80)*

Note: Includes bonding agents as required.

07 81 16 Cementitious Fireproofing *(07 81)*

07 81 16 00-0001		**Monokote Fireproofing** *(07 81 16)*		
07 81 16 00-0002	SF	Monokote Fireproofing For Ceiling/Decking, Per Inch Of Thickness	2.31	0.80
07 81 16 00-0003	SF	Monokote Fireproofing For Structural Steel, Per Inch Of Thickness	3.22	1.20
07 81 16 00-0004		**Gunite Fireproofing** *(07 81 16)*		
07 81 16 00-0005	SF	1" Thick, Non-Reinforced, Gunite Fireproofing	3.78	0.71
07 81 16 00-0006	SF	1" Thick, Reinforced, Gunite Fireproofing	5.49	0.71

07 81 23 Intumescent Fireproofing *(07 81)*

07 81 23 00-0001		**Intumescent Thin Film Fireproofing (Albi Clad TF)** *(07 81 23)*		
07 81 23 00-0002		**Intumescent Thin Film Fireproofing For Beams (Albi Clad TF)** *(07 81 23 00-0001)* Note: Excludes primer.		
07 81 23 00-0003	SF	1 Hour, Intumescent Thin Film Fireproofing For Beams (Albi Clad TF)	17.74	
		For >10,000, Deduct	*-1.72*	
07 81 23 00-0004	SF	1-1/2 Hour, Intumescent Thin Film Fireproofing For Beams (Albi Clad TF)	28.68	
		For >10,000, Deduct	*-2.81*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 81 23 00-0005		Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF) *(07 81 23 00-0001)*		
		Note: Excludes primer.		
07 81 23 00-0006	SF	1 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	11.38	
		For >10,000, Deduct	*-1.08*	
07 81 23 00-0007	SF	1-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	25.64	
		For >10,000, Deduct	*-2.50*	
07 81 23 00-0008	SF	2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	58.50	
		For >10,000, Deduct	*-5.78*	
07 81 23 00-0009	SF	2-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	80.65	
		For >10,000, Deduct	*-7.99*	
07 81 23 00-0010	SF	3 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	102.82	
		For >10,000, Deduct	*-10.20*	
07 81 23 00-0011	SF	3-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	125.03	
		For >10,000, Deduct	*-12.42*	
07 81 23 00-0012		Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF) *(07 81 23 00-0001)*		
		Note: Excludes primer.		
07 81 23 00-0013	SF	1 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	23.34	
		For >10,000, Deduct	*-2.27*	
07 81 23 00-0014	SF	1-1/2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	43.69	
		For >10,000, Deduct	*-4.30*	
07 81 23 00-0015	SF	2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	69.55	
		For >10,000, Deduct	*-6.88*	
07 81 23 00-0016	SF	2-1/2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	97.24	
		For >10,000, Deduct	*-9.65*	
07 81 23 00-0017	SF	3 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	123.10	
		For >10,000, Deduct	*-12.23*	
07 81 23 00-0018		Intumescent Thin Film Fireproofing (Albi Clad FP) *(07 81 23)*		
07 81 23 00-0019		Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP) *(07 81 23 00-0018)*		
		Note: Excludes primer.		
07 81 23 00-0020	SF	1 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	11.25	
		For >10,000, Deduct	*-1.08*	
07 81 23 00-0021	SF	1-1/2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	25.92	
		For >10,000, Deduct	*-2.55*	
07 81 23 00-0022	SF	2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	59.72	
		For >10,000, Deduct	*-5.92*	
07 81 23 00-0023	SF	2-1/2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	82.50	
		For >10,000, Deduct	*-8.20*	
07 81 23 00-0024	SF	3 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	105.30	
		For >10,000, Deduct	*-10.47*	
07 81 33		**Mineral-Fiber Fireproofing** *(07 81)*		
07 81 33 00-0001		Cellulose Fireproofing *(07 81 33)*		
07 81 33 00-0002	SF	Cellulose Fireproofing, Per Inch Of Thickness	2.67	0.71
07 84		**Firestopping** *(07 80)*		
07 84 13		**Penetration Firestopping** *(07 84)*		
07 84 13 16		**Penetration Firestopping Devices** *(07 84 13)*		
07 84 13 16-0001		Firestopping Systems For Cable Penetrations *(07 84 13 16)*		
07 84 13 16-0002		Intumescent Firestop Cable Sleeve For New Installations *(07 84 13 16-0001)*		
		Note: Includes putty, escutcheon plates, gaskets and bushings.		
07 84 13 16-0003	EA	1" Diameter Intumescent Firestop Sleeve (STI FS100)	66.92	
07 84 13 16-0004	EA	2" Diameter Intumescent Firestop Sleeve (STI FS201)	91.36	
07 84 13 16-0005	EA	4" Diameter Intumescent Firestop Sleeve (STI FS401)	150.83	
07 84 13 16-0006		Intumescent Firestop Cable Pathway For New Or Existing Cable Installations *(07 84 13 16-0001)*		
		Note: Includes pathway, putty and wall/floor mounting plates.		
07 84 13 16-0007	EA	1-1/64" x 1-1/64" Intumescent Firestop Cable Pathway Through Up To 9" Thick Walls (STI EZD22)	125.88	
07 84 13 16-0008	EA	3" x 3" Intumescent Firestop Cable Pathway Through Up To 9" Thick Walls (STI EZDP33FWS)	223.32	
07 84 13 16-0009	EA	4" x 4-5/8" Intumescent Firestop Cable Pathway Through Up To 10" Thick Walls (STI EZDP44)	411.97	

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LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 13 16-0010		**3M Intumescent Firestopping Multi-Trade Pass Through Device** *(07 84 13 16)*		
07 84 13 16-0011	EA	2-1/2" Square Opening, Intumescent Firestop Multi-Trade Pass Through Device (3M QP2.5SD)	284.56	
07 84 13 16-0012	EA	4" Square Opening, Intumescent Firestop Multi-Trade Pass Through Device (3M QP4SD)	262.96	
07 84 13 16-0013	EA	4" Diameter Intumescent Firestop Multi-Trade Pass Through Device (3M QP2.5SD)	271.16	
07 84 13 16-0014		**Intumescent Firestopping Pipe Collar** *(07 84 13 16)*		
07 84 13 16-0015	EA	1-1/2" Intumescent Firestop Pipe Collar (3M ULTRAPPD1.5)	42.19	11.71
07 84 13 16-0016	EA	2" Intumescent Firestop Pipe Collar (3M ULTRAPPD2.0)	51.25	11.71
07 84 13 16-0017	EA	3" Intumescent Firestop Pipe Collar (3M ULTRAPPD3.0)	59.73	12.88
07 84 13 16-0018	EA	4" Intumescent Firestop Pipe Collar (3M ULTRAPPD4.0)	94.32	14.63
07 84 13 16-0019	EA	8" Intumescent Firestop Pipe Collar (Hilti CP644 8")	471.70	17.56
07 84 13 16-0020	EA	10" Intumescent Firestop Pipe Collar (Hilti CP644 10")	609.92	19.31
07 84 13 16-0021		**Fire Rated Enclosures (Fire Rated Product Specialties Corp.)** *(07 84 13 16)*		
		Note: Includes fasteners. Excludes additional perimeter caulk where required. See CSI section 07 84 43 00-0001 for perimeter sealant caulk where required.		
07 84 13 16-0022	EA	12.2" Wide x 20.2" Long x 9.5" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-12-20-9)	168.64	
		Note: Used for recessed lighting, speakers, controls, valves, plumbing drain terminations, etc.		
07 84 13 16-0023	EA	15.2" Wide x 16.2" Long x 9.5" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-15-16-9)	179.51	
		Note: Used for recessed lighting, speakers, controls, valves, plumbing drain terminations, etc.		
07 84 13 16-0024	EA	11.8" Wide x 19.8" Long x 9.12" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-12-20-9-EXH)	361.40	
		Note: Includes 4" duct connector. For use with bathroom ventilation and exhaust fans.		
07 84 13 16-0025	EA	14.0" Wide x 14.0" Long x 3.2" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-14-14-3)	227.35	
		Note: Used for shut-off valves, shower and tub valves, washer boxes, icemaker water feeds, speakers, controls, junction boxes, etc.		
07 84 13 16-0026		**Intumescent Firestopping Wrap Strips** *(07 84 13 16)*		
07 84 13 16-0027	LF	1/8" Thick, 1-1/2" Wide, Intumescent Firestopping Wrap Strip (STI SpecSeal SSW Series)	6.96	
07 84 13 19		**Penetration Firestopping Caulk** *(07 84 13)*		
07 84 13 19-0001		**Intumescent Firestopping For Sealing Pipe Penetrations (3M CP 25WB+)** *(07 84 13 19)*		
		Note: Includes firestop caulk and batt for floor or ceiling penetration or one side of a wall penetration. 1/2" thick caulk for annular spaces 1" and less. 1" thick caulk for annular spaces 1-1/4" or more.		
07 84 13 19-0002	EA	1" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	22.25	
		For Intumescent Sealant For Plastic Pipe, Add	*0.08*	
07 84 13 19-0003	EA	1-1/2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	27.51	
		For Intumescent Sealant For Plastic Pipe, Add	*0.41*	
07 84 13 19-0004	EA	1-1/2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	27.25	
		For Intumescent Sealant For Plastic Pipe, Add	*0.31*	
07 84 13 19-0005	EA	1-1/2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	26.82	
		For Intumescent Sealant For Plastic Pipe, Add	*0.14*	
07 84 13 19-0006	EA	2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	31.99	
		For Intumescent Sealant For Plastic Pipe, Add	*0.88*	
07 84 13 19-0007	EA	2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	31.73	
		For Intumescent Sealant For Plastic Pipe, Add	*0.77*	
07 84 13 19-0008	EA	2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	31.30	
		For Intumescent Sealant For Plastic Pipe, Add	*0.60*	
07 84 13 19-0009	EA	2" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	30.63	
		For Intumescent Sealant For Plastic Pipe, Add	*0.33*	
07 84 13 19-0010	EA	2" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	30.06	
		For Intumescent Sealant For Plastic Pipe, Add	*0.10*	
07 84 13 19-0011	EA	2-1/2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	38.98	
		For Intumescent Sealant For Plastic Pipe, Add	*1.47*	
07 84 13 19-0012	EA	2-1/2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	38.73	
		For Intumescent Sealant For Plastic Pipe, Add	*1.37*	
07 84 13 19-0013	EA	2-1/2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	38.29	
		For Intumescent Sealant For Plastic Pipe, Add	*1.20*	
07 84 13 19-0014	EA	2-1/2" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	37.62	
		For Intumescent Sealant For Plastic Pipe, Add	*0.93*	
07 84 13 19-0015	EA	2-1/2" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	37.06	
		For Intumescent Sealant For Plastic Pipe, Add	*0.70*	
07 84 13 19-0016	EA	2-1/2" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	35.71	
		For Intumescent Sealant For Plastic Pipe, Add	*0.16*	
07 84 13 19-0017	EA	3" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	54.06	
		For Intumescent Sealant For Plastic Pipe, Add	*3.97*	
07 84 13 19-0018	EA	3" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	49.39	
		For Intumescent Sealant For Plastic Pipe, Add	*2.10*	
07 84 13 19-0019	EA	3" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	48.96	
		For Intumescent Sealant For Plastic Pipe, Add	*1.93*	
07 84 13 19-0020	EA	3" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	48.28	
		For Intumescent Sealant For Plastic Pipe, Add	*1.66*	
07 84 13 19-0021	EA	3" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	47.72	
		For Intumescent Sealant For Plastic Pipe, Add	*1.44*	
07 84 13 19-0022	EA	3" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	46.37	
		For Intumescent Sealant For Plastic Pipe, Add	*0.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 13 19-0023	EA	3" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	44.62	
		For Intumescent Sealant For Plastic Pipe, Add	*0.20*	
07 84 13 19-0024	EA	4" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	73.49	
		For Intumescent Sealant For Plastic Pipe, Add	*7.33*	
07 84 13 19-0025	EA	4" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	73.01	
		For Intumescent Sealant For Plastic Pipe, Add	*7.14*	
07 84 13 19-0026	EA	4" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	72.24	
		For Intumescent Sealant For Plastic Pipe, Add	*6.83*	
07 84 13 19-0027	EA	4" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	71.03	
		For Intumescent Sealant For Plastic Pipe, Add	*6.34*	
07 84 13 19-0028	EA	4" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	70.01	
		For Intumescent Sealant For Plastic Pipe, Add	*5.94*	
07 84 13 19-0029	EA	4" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	62.06	
		For Intumescent Sealant For Plastic Pipe, Add	*2.76*	
07 84 13 19-0030	EA	4" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	60.32	
		For Intumescent Sealant For Plastic Pipe, Add	*2.06*	
07 84 13 19-0031	EA	4" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	57.67	
		For Intumescent Sealant For Plastic Pipe, Add	*1.00*	
07 84 13 19-0032	EA	6" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	119.51	
		For Intumescent Sealant For Plastic Pipe, Add	*16.91*	
07 84 13 19-0033	EA	6" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	119.04	
		For Intumescent Sealant For Plastic Pipe, Add	*16.72*	
07 84 13 19-0034	EA	6" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	118.26	
		For Intumescent Sealant For Plastic Pipe, Add	*16.41*	
07 84 13 19-0035	EA	6" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	117.06	
		For Intumescent Sealant For Plastic Pipe, Add	*15.93*	
07 84 13 19-0036	EA	6" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	116.04	
		For Intumescent Sealant For Plastic Pipe, Add	*15.52*	
07 84 13 19-0037	EA	6" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	113.60	
		For Intumescent Sealant For Plastic Pipe, Add	*14.54*	
07 84 13 19-0038	EA	6" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	110.46	
		For Intumescent Sealant For Plastic Pipe, Add	*13.29*	
07 84 13 19-0039	EA	6" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	105.69	
		For Intumescent Sealant For Plastic Pipe, Add	*11.38*	
07 84 13 19-0040	EA	6" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	87.72	
		For Intumescent Sealant For Plastic Pipe, Add	*4.19*	
07 84 13 19-0041	EA	8" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	160.53	
		For Intumescent Sealant For Plastic Pipe, Add	*26.70*	
07 84 13 19-0042	EA	8" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	155.76	
		For Intumescent Sealant For Plastic Pipe, Add	*24.79*	
07 84 13 19-0043	EA	8" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	146.18	
		For Intumescent Sealant For Plastic Pipe, Add	*20.96*	
07 84 13 19-0044	EA	8" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	107.12	
		For Intumescent Sealant For Plastic Pipe, Add	*5.34*	
07 84 13 19-0045	EA	10" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	205.85	
		For Intumescent Sealant For Plastic Pipe, Add	*38.21*	
07 84 13 19-0046	EA	10" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	177.45	
		For Intumescent Sealant For Plastic Pipe, Add	*26.85*	
07 84 13 19-0047	EA	10" Diameter Hole With 8" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	127.31	
		For Intumescent Sealant For Plastic Pipe, Add	*6.79*	

07 84 13 19-0048 Smoke, Noise And Infectious/Dust Control Sealant For Sealing Pipe Penetrations *(07 84 13 19)*

Note: Includes sealant and fiberglass or mineral wool batt for floor, ceiling or wall penetrations.

07 84 13 19-0049	EA	1-1/2" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	26.83
07 84 13 19-0050	EA	1-1/2" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	26.73
07 84 13 19-0051	EA	1-1/2" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	26.59
07 84 13 19-0052	EA	2" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	30.53
07 84 13 19-0053	EA	2" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	30.43
07 84 13 19-0054	EA	2" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	30.30
07 84 13 19-0055	EA	2" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	30.09
07 84 13 19-0056	EA	2" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	29.90
07 84 13 19-0057	EA	2.5" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	36.57
07 84 13 19-0058	EA	2.5" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	36.48
07 84 13 19-0059	EA	2.5" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	36.33
07 84 13 19-0060	EA	2.5" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	36.13
07 84 13 19-0061	EA	2.5" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	35.94
07 84 13 19-0062	EA	2.5" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	35.48

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 13 19-0063	EA	3" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	46.01	
07 84 13 19-0064	EA	3" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	45.92	
07 84 13 19-0065	EA	3" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	45.78	
07 84 13 19-0066	EA	3" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	45.57	
07 84 13 19-0067	EA	3" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	45.38	
07 84 13 19-0068	EA	3" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	44.92	
07 84 13 19-0069	EA	3" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	44.27	
07 84 13 19-0070	EA	4" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	58.67	
07 84 13 19-0071	EA	4" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	58.57	
07 84 13 19-0072	EA	4" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	58.43	
07 84 13 19-0073	EA	4" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	58.20	
07 84 13 19-0074	EA	4" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	57.99	
07 84 13 19-0075	EA	4" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	57.52	
07 84 13 19-0076	EA	4" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	56.93	
07 84 13 19-0077	EA	4" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	56.01	
07 84 13 19-0078	EA	6" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	85.30	
07 84 13 19-0079	EA	6" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	85.20	
07 84 13 19-0080	EA	6" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	85.06	
07 84 13 19-0081	EA	6" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	84.86	
07 84 13 19-0082	EA	6" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	84.67	
07 84 13 19-0083	EA	6" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	84.21	
07 84 13 19-0084	EA	6" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	83.56	
07 84 13 19-0085	EA	6" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	82.69	
07 84 13 19-0086	EA	6" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	80.80	
07 84 13 19-0087	EA	8" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	106.51	
07 84 13 19-0088	EA	8" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	105.63	
07 84 13 19-0089	EA	8" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	103.74	
07 84 13 19-0090	EA	8" Diameter Hole With 6" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	98.40	
07 84 13 19-0091	EA	10" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	128.55	
07 84 13 19-0092	EA	10" Diameter Hole With 6" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	123.19	
07 84 13 19-0093	EA	10" Diameter Hole With 8" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	116.12	

07 84 13 19-0094 Intumescent Firestopping For Sealing Pipe Penetrations (STI SpecSeal SSS Series) *(07 84 13 19)*

Note: Includes sealant and fiberglass or mineral wool batt for floor, ceiling or wall penetrations.

07 84 13 19-0095	EA	1-1/2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	27.39	
07 84 13 19-0096	EA	1-1/2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	27.11	
07 84 13 19-0097	EA	1-1/2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	26.78	
07 84 13 19-0098	EA	2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	31.66	
07 84 13 19-0099	EA	2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	31.37	
07 84 13 19-0100	EA	2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	31.04	
07 84 13 19-0101	EA	2" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	30.09	
07 84 13 19-0102	EA	2.5" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	38.63	
07 84 13 19-0103	EA	2.5" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	38.35	
07 84 13 19-0104	EA	2.5" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	38.02	
07 84 13 19-0105	EA	2.5" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	37.53	
07 84 13 19-0106	EA	2.5" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	37.07	
07 84 13 19-0107	EA	2.5" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	35.85	
07 84 13 19-0108	EA	3" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	49.01	
07 84 13 19-0109	EA	3" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	48.73	
07 84 13 19-0110	EA	3" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	48.40	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 13 19-0111	EA	3" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	47.91	
07 84 13 19-0112	EA	3" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	47.45	
07 84 13 19-0113	EA	3" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	46.23	
07 84 13 19-0114	EA	3" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	44.46	
07 84 13 19-0115	EA	4" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	64.29	
07 84 13 19-0116	EA	4" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	64.00	
07 84 13 19-0117	EA	4" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	63.68	
07 84 13 19-0118	EA	4" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	63.08	
07 84 13 19-0119	EA	4" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	62.49	
07 84 13 19-0120	EA	4" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	61.27	
07 84 13 19-0121	EA	4" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	59.75	
07 84 13 19-0122	EA	4" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	57.32	
07 84 13 19-0123	EA	6" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	98.23	
07 84 13 19-0124	EA	6" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	97.94	
07 84 13 19-0125	EA	6" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	97.62	
07 84 13 19-0126	EA	6" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	97.13	
07 84 13 19-0127	EA	6" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	96.67	
07 84 13 19-0128	EA	6" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	95.45	
07 84 13 19-0129	EA	6" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	93.68	
07 84 13 19-0130	EA	6" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	91.50	
07 84 13 19-0131	EA	6" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	86.43	
07 84 13 19-0132	EA	8" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	126.94	
07 84 13 19-0133	EA	8" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	124.75	
07 84 13 19-0134	EA	8" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	119.68	
07 84 13 19-0135	EA	8" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	105.89	
07 84 13 19-0136	EA	10" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	157.79	
07 84 13 19-0137	EA	10" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	144.00	
07 84 13 19-0138	EA	10" Diameter Hole With 8" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	125.30	

07 84 16 Annular Space Firestopping Protection *(07 84)*

07 84 16 00-0001 Intumescent Firestopping For Electrical Outlet Boxes *(07 84 16)*

07 84 16 00-0002 Intumescent Putty Pads For Wrapping Outlet Box Exteriors *(07 84 16 00-0001)*

07 84 16 00-0003	EA	1 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	36.42	
07 84 16 00-0004	EA	2 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	53.00	
07 84 16 00-0005	EA	3 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	55.21	
07 84 16 00-0006	EA	4 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	57.42	
07 84 16 00-0007	EA	5 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	59.62	
07 84 16 00-0008	EA	6 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	76.19	

07 84 16 00-0009 Intumescent Firestop Gasket For Wall Plates *(07 84 16 00-0001)*

07 84 16 00-0010	EA	Single Switch Wall Plate, Intumescent Firestop Gasket (RectorSeal 66276)	14.50	
07 84 16 00-0011	EA	Double Switch Wall Plate, Intumescent Firestop Gasket (RectorSeal 66274)	15.10	
07 84 16 00-0012	EA	Single Receptacle Wall Plate, Intumescent Firestop Gasket (RectorSeal 66272)	13.98	
07 84 16 00-0013	EA	Double Receptacle Wall Plate, Intumescent Firestop Gasket (RectorSeal 66270)	15.15	
07 84 16 00-0014	EA	Single Decor Wall Plate, Intumescent Firestop Gasket (RectorSeal 66266)	14.69	
07 84 16 00-0015	EA	Double Decor Wall Plate, Intumescent Firestop Gasket (RectorSeal 66265)	14.06	

07 84 16 00-0016 Intumescent Fire Barrier Pillows For Sealing Large Openings *(07 84 16)*

07 84 16 00-0017	EA	2" x 4" x 9" Intumescent Fire Barrier Pillow (3M FB249)	39.98	
07 84 16 00-0018	EA	2" x 6" x 9" Intumescent Fire Barrier Pillow (3M FB269)	42.93	
07 84 16 00-0019	EA	3" x 6" x 9" Intumescent Fire Barrier Pillow (3M FB369)	46.56	

07 84 16 00-0020 Intumescent Fire Barrier Sheets For Sealing Large Openings *(07 84 16)*

Note: Price includes intumescent sheet, mounting fasteners and caulk for sealing one side of an opening.

07 84 16 00-0021	EA	16" x 28" Intumescent Firestop Sheet (3M CS-195+16x28)	358.51	
07 84 16 00-0022	EA	36" x 24" Intumescent Firestop Sheet (3M CS-195+3x2)	509.59	
07 84 16 00-0023	EA	36" x 36" Intumescent Firestop Sheet (3M CS-195+3x3)	693.31	

07 84 16 00-0024 Endothermic Mat Wrap Fire Barrier *(07 84 16)*

Note: Price includes endothermic mat wrap and sealant. Excludes cavity fill material; putty or fireproof caulk/sealant. See CSI section 07 84 16 00-0026 for filling openings.

07 84 16 00-0025	SF	0.408" Thick Aluminum Foil Faced Endothermic Mat (3M Interam E-5A-4)	52.78	

07 84 16 00-0026 Firestopping Caulk For Filling Opening *(07 84 16)*

07 84 16 00-0027	GAL	Latex Based Intumescent Fire Barrier Sealant (3M CP-25WB+)	148.37	

07 84 16 00-0028 Firestopping Mortar For Filling Opening *(07 84 16)*

07 84 16 00-0029	CF	Light-Weight Portland Cement-Based Firestop Mortar (STI SpecSeal SSM Series)	186.21	

07 84 23 Silicone Firestopping Foams *(07 84)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 23 00-0001		**Silicone RTV Foam Seal For Blank Openings** *(07 84 23)* Note: Includes 7" depth of silicone foam barrier and 1" depth backer board		
07 84 23 00-0002	EA	2" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam	43.40	
07 84 23 00-0003	EA	4" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam	96.90	
07 84 23 00-0004	EA	6" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam	175.35	
07 84 23 00-0005	EA	8" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam	264.73	
07 84 23 00-0006	EA	10" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam	378.91	
07 84 23 00-0007	EA	12" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam	515.16	
07 84 23 00-0008	EA	16" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam	1,054.73	
07 84 23 00-0009	EA	20" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam	1,581.14	
07 84 23 00-0010	EA	24" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam	2,221.63	
07 84 43		**Joint Firestopping** *(07 84)*		
07 84 43 00-0001		**Intumescent Firestopping Sealant For Joints (3M CP 25WB+)** *(07 84 43)*		
07 84 43 00-0002	CLF	1/4" x 1/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	399.59	99.30
		For Up To 6 CLF, Add	*22.52*	
		For >30 CLF, Deduct	*-25.06*	
07 84 43 00-0003	CLF	1/4" x 3/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	450.48	99.30
		For Up To 4 CLF, Add	*26.34*	
		For >20 CLF, Deduct	*-30.15*	
07 84 43 00-0004	CLF	1/4" x 1/2" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	512.36	102.61
		For Up To 3 CLF, Add	*30.70*	
		For >15 CLF, Deduct	*-35.79*	
07 84 43 00-0005	CLF	3/8" x 3/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	537.79	102.61
		For Up To 2.5 CLF, Add	*32.61*	
		For >13 CLF, Deduct	*-38.33*	
07 84 43 00-0006	CLF	3/8" x 1/2" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	614.07	102.61
		For Up To 2 CLF, Add	*38.33*	
		For >10 CLF, Deduct	*-45.96*	
07 84 43 00-0007	CLF	3/8" x 5/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	690.36	102.61
		For Up To 1.5 CLF, Add	*44.05*	
		For >8 CLF, Deduct	*-53.59*	
07 84 43 00-0008	CLF	3/8" x 3/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	777.67	107.02
		For Up To 1.3 CLF, Add	*50.33*	
		For >7 CLF, Deduct	*-61.77*	
07 84 43 00-0009	CLF	1/2" x 1/2" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	726.82	107.02
		For Up To 1.4 CLF, Add	*46.51*	
		For >7.5 CLF, Deduct	*-56.68*	
07 84 43 00-0010	CLF	1/2" x 5/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	839.57	110.33
		For Up To 1.15 CLF, Add	*54.69*	
		For >6 CLF, Deduct	*-67.41*	
07 84 43 00-0011	CLF	1/2" x 3/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	941.28	110.33
		For Up To 1 CLF, Add	*62.32*	
		For >5 CLF, Deduct	*-77.58*	
07 84 43 00-0012	CLF	1/2" x 7/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	1,054.03	113.64
		For Up To 0.8 CLF, Add	*70.50*	
		For >4.5 CLF, Deduct	*-88.30*	
07 84 43 00-0013	CLF	1/2" x 1" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	1,166.77	118.05
		For Up To 0.75 CLF, Add	*78.68*	
		For >4 CLF, Deduct	*-99.02*	
07 84 43 00-0014	CLF	3/4" x 3/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	1,279.52	121.36
		For Up To 0.65 CLF, Add	*86.86*	
		For >3.5 CLF, Deduct	*-109.75*	
07 84 43 00-0015	CLF	3/4" x 1" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	1,617.77	132.40
		For Up To 0.5 CLF, Add	*111.40*	
		For >2.5 CLF, Deduct	*-141.92*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*183.09*	
07 84 43 00-0016	CLF	1" x 1" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	2,068.75	146.74
		For Up To 0.4 CLF, Add	*144.12*	
		For >2 CLF, Deduct	*-184.81*	
07 84 43 00-0017		**Latex-Based, Intumescent Firestop Sealant For Joints (STI SSS Series)** *(07 84 43)*		
07 84 43 00-0018	CLF	1/4" x 1/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	413.76	99.30
		For Up To 6 CLF, Add	*23.58*	
		For >30 CLF, Deduct	*-26.48*	
07 84 43 00-0019	CLF	1/4" x 3/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	471.68	99.30
		For Up To 4 CLF, Add	*27.93*	
		For >20 CLF, Deduct	*-32.27*	
07 84 43 00-0020	CLF	1/4" x 1/2" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	540.64	102.61
		For Up To 3 CLF, Add	*32.82*	
		For >15 CLF, Deduct	*-38.62*	
07 84 43 00-0021	CLF	3/8" x 3/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	569.61	102.61
		For Up To 2.5 CLF, Add	*35.00*	
		For >13 CLF, Deduct	*-41.51*	
07 84 43 00-0022	CLF	3/8" x 1/2" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	656.50	102.61
		For Up To 2 CLF, Add	*41.51*	
		For >10 CLF, Deduct	*-50.20*	
07 84 43 00-0023	CLF	3/8" x 5/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	743.39	102.61
		For Up To 1.5 CLF, Add	*48.03*	
		For >8 CLF, Deduct	*-58.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 43 00-0024	CLF	3/8" x 3/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	841.31	107.02
		For Up To 1.3 CLF, Add	*55.10*	
		For >7 CLF, Deduct	*-68.13*	
07 84 43 00-0025	CLF	1/2" x 1/2" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	783.38	107.02
		For Up To 1.4 CLF, Add	*50.75*	
		For >7.5 CLF, Deduct	*-62.34*	
07 84 43 00-0026	CLF	1/2" x 5/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	910.28	110.33
		For Up To 1.15 CLF, Add	*60.00*	
		For >6 CLF, Deduct	*-74.48*	
07 84 43 00-0027	CLF	1/2" x 3/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	1,026.14	110.33
		For Up To 1 CLF, Add	*68.69*	
		For >5 CLF, Deduct	*-86.06*	
07 84 43 00-0028	CLF	1/2" x 7/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	1,153.02	113.64
		For Up To 0.8 CLF, Add	*77.93*	
		For >4.5 CLF, Deduct	*-98.20*	
07 84 43 00-0029	CLF	1/2" x 1" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	1,279.91	118.05
		For Up To 0.75 CLF, Add	*87.17*	
		For >4 CLF, Deduct	*-110.34*	
07 84 43 00-0030	CLF	3/4" x 3/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	1,406.79	121.36
		For Up To 0.65 CLF, Add	*96.41*	
		For >3.5 CLF, Deduct	*-122.47*	
07 84 43 00-0031	CLF	3/4" x 1" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	1,787.47	132.40
		For Up To 0.5 CLF, Add	*124.13*	
		For >2.5 CLF, Deduct	*-158.89*	
07 84 43 00-0032	CLF	1" x 1" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	2,295.02	146.74
		For Up To 0.4 CLF, Add	*161.09*	
		For >2 CLF, Deduct	*-207.44*	

07 84 43 00-0033 Passive Smoke And Fire Protection Sealant For Joints (STI ES Series) *(07 84 43)*

07 84 43 00-0034	CLF	1/4" x 1/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	357.83	99.30
		For Up To 6 CLF, Add	*19.39*	
		For >30 CLF, Deduct	*-20.89*	
07 84 43 00-0035	CLF	1/4" x 3/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	387.79	99.30
		For Up To 4 CLF, Add	*21.64*	
		For >20 CLF, Deduct	*-23.88*	
07 84 43 00-0036	CLF	1/4" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	428.78	102.61
		For Up To 3 CLF, Add	*24.44*	
		For >15 CLF, Deduct	*-27.43*	
07 84 43 00-0037	CLF	3/8" x 3/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	443.76	102.61
		For Up To 2.5 CLF, Add	*25.56*	
		For >13 CLF, Deduct	*-28.93*	
07 84 43 00-0038	CLF	3/8" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	488.71	102.61
		For Up To 2 CLF, Add	*28.93*	
		For >10 CLF, Deduct	*-33.42*	
07 84 43 00-0039	CLF	3/8" x 5/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	533.65	102.61
		For Up To 1.5 CLF, Add	*32.30*	
		For >8 CLF, Deduct	*-37.92*	
07 84 43 00-0040	CLF	3/8" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	589.62	107.02
		For Up To 1.3 CLF, Add	*36.22*	
		For >7 CLF, Deduct	*-42.96*	
07 84 43 00-0041	CLF	1/2" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	559.66	107.02
		For Up To 1.4 CLF, Add	*33.98*	
		For >7.5 CLF, Deduct	*-39.97*	
07 84 43 00-0042	CLF	1/2" x 5/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	630.63	110.33
		For Up To 1.15 CLF, Add	*39.02*	
		For >6 CLF, Deduct	*-46.51*	
07 84 43 00-0043	CLF	1/2" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	690.55	110.33
		For Up To 1 CLF, Add	*43.52*	
		For >5 CLF, Deduct	*-52.51*	
07 84 43 00-0044	CLF	1/2" x 7/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	761.51	113.64
		For Up To 0.8 CLF, Add	*48.56*	
		For >4.5 CLF, Deduct	*-59.05*	
07 84 43 00-0045	CLF	1/2" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	832.46	118.05
		For Up To 0.75 CLF, Add	*53.61*	
		For >4 CLF, Deduct	*-65.59*	
07 84 43 00-0046	CLF	3/4" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	903.42	121.36
		For Up To 0.65 CLF, Add	*58.65*	
		For >3.5 CLF, Deduct	*-72.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 43 00-0047	CLF	3/4" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	1,116.31	132.40
		For Up To 0.5 CLF, Add	*73.79*	
		For >2.5 CLF, Deduct	*-91.77*	
07 84 43 00-0048	CLF	1" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	1,400.14	146.74
		For Up To 0.4 CLF, Add	*93.98*	
		For >2 CLF, Deduct	*-117.95*	

07 84 43 00-0049 Elastomeric Spray Firestopping For Joints And Penetrations *(07 84 43)*

07 84 43 00-0050	LF	1" Joint Width, 1/8" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	0.90
07 84 43 00-0051	LF	2" Joint Width, 1/8" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	1.78
07 84 43 00-0052	LF	3" Joint Width, 1/8" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	2.57
07 84 43 00-0053	LF	4" Joint Width, 1/8" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	3.48
07 84 43 00-0054	LF	5" Joint Width, 1/8" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	4.31
07 84 43 00-0055	LF	6" Joint Width, 1/8" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	5.27
07 84 43 00-0056	LF	1" Joint Width, 1/4" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	1.79
07 84 43 00-0057	LF	2" Joint Width, 1/4" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	3.56
07 84 43 00-0058	LF	3" Joint Width, 1/4" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	5.14
07 84 43 00-0059	LF	4" Joint Width, 1/4" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	6.96
07 84 43 00-0060	LF	5" Joint Width, 1/4" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	8.62
07 84 43 00-0061	LF	6" Joint Width, 1/4" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	10.52
07 84 43 00-0062	LF	1" Joint Width, 1/2" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	3.58
07 84 43 00-0063	LF	2" Joint Width, 1/2" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	7.13
07 84 43 00-0064	LF	3" Joint Width, 1/2" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	10.28
07 84 43 00-0065	LF	4" Joint Width, 1/2" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	13.93
07 84 43 00-0066	LF	5" Joint Width, 1/2" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	17.25
07 84 43 00-0067	LF	6" Joint Width, 1/2" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	21.06
07 84 43 00-0068	LF	1" Joint Width, 1" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	7.18
07 84 43 00-0069	LF	2" Joint Width, 1" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	14.27
07 84 43 00-0070	LF	3" Joint Width, 1" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	20.56
07 84 43 00-0071	LF	4" Joint Width, 1" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	27.86
07 84 43 00-0072	LF	5" Joint Width, 1" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	34.49
07 84 43 00-0073	LF	6" Joint Width, 1" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	42.12

07 84 43 00-0074 Intumescent Firestopping Sealant For Joints *(07 84 43)*

07 84 43 00-0075	CLF	1/4" x 1/4" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	386.46	99.30
		For Up To 6 CLF, Add	*21.54*	
		For >30 CLF, Deduct	*-23.75*	
07 84 43 00-0076	CLF	1/4" x 3/8" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	430.75	99.30
		For Up To 4 CLF, Add	*24.86*	
		For >20 CLF, Deduct	*-28.18*	
07 84 43 00-0077	CLF	1/4" x 1/2" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	486.06	102.61
		For Up To 3 CLF, Add	*28.73*	
		For >15 CLF, Deduct	*-33.16*	
07 84 43 00-0078	CLF	3/8" x 3/8" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	508.20	102.61
		For Up To 2.5 CLF, Add	*30.39*	
		For >13 CLF, Deduct	*-35.37*	
07 84 43 00-0079	CLF	3/8" x 1/2" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	574.62	102.61
		For Up To 2 CLF, Add	*35.37*	
		For >10 CLF, Deduct	*-42.02*	
07 84 43 00-0080	CLF	3/8" x 5/8" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	641.05	102.61
		For Up To 1.5 CLF, Add	*40.36*	
		For >8 CLF, Deduct	*-48.66*	
07 84 43 00-0081	CLF	3/8" x 3/4" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	718.50	107.02
		For Up To 1.3 CLF, Add	*45.89*	
		For >7 CLF, Deduct	*-55.85*	
07 84 43 00-0082	CLF	1/2" x 1/2" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	674.22	107.02
		For Up To 1.4 CLF, Add	*42.57*	
		For >7.5 CLF, Deduct	*-51.42*	
07 84 43 00-0083	CLF	1/2" x 5/8" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	773.82	110.33
		For Up To 1.15 CLF, Add	*49.76*	
		For >6 CLF, Deduct	*-60.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 43 00-0084	CLF	1/2" x 3/4" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	862.39	110.33
		For Up To 1 CLF, Add	*56.40*	
		For >5 CLF, Deduct	*-69.69*	
07 84 43 00-0085	CLF	1/2" x 7/8" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	961.98	113.64
		For Up To 0.8 CLF, Add	*63.60*	
		For >4.5 CLF, Deduct	*-79.10*	
07 84 43 00-0086	CLF	1/2" x 1" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	1,061.58	118.05
		For Up To 0.75 CLF, Add	*70.79*	
		For >4 CLF, Deduct	*-88.51*	
07 84 43 00-0087	CLF	3/4" x 3/4" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	1,161.17	121.36
		For Up To 0.65 CLF, Add	*77.99*	
		For >3.5 CLF, Deduct	*-97.91*	
07 84 43 00-0088	CLF	3/4" x 1" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	1,459.97	132.40
		For Up To 0.5 CLF, Add	*99.57*	
		For >2.5 CLF, Deduct	*-126.14*	
07 84 43 00-0089	CLF	1" x 1" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	1,858.36	146.74
		For Up To 0.4 CLF, Add	*128.34*	
		For >2 CLF, Deduct	*-163.77*	

07 84 56 Fire Safing *(07 84)*

07 84 56 13 Fibrous Fire Safing *(07 84 56)*

07 84 56 13-0001 Thermal Barrier Wrap *(07 84 56 13)*

Note: Includes cutting wrap to fit pipe or conduit and sealing edges.

07 84 56 13-0002	SF	1/2" Thick Fire Barrier Plenum Wrap (3M Plenum Wrap 5A)	11.20	
		For Work In Restricted Working Space, Add	*1.43*	
07 84 56 13-0003	SF	1-1/2" Thick Fire Barrier Duct Wrap (3M Duct Wrap 15A)	18.13	
		Note: Includes cutting wrap to fit pipe or conduit and sealing edges.		
		For Work In Restricted Working Space, Add	*1.43*	
07 84 56 13-0004	SF	2" Thick Fire Barrier Duct Wrap (3M Duct Wrap 20A)	19.79	
		Note: Includes cutting wrap to fit pipe or conduit and sealing edges.		
		For Work In Restricted Working Space, Add	*1.43*	

07 84 56 13-0005 FireMaster Blanket Wrap Fireproofing *(07 84 56 13)*

07 84 56 13-0006	SF	1/2" Thermal Ceramics FireMaster Blanket Wrap	19.81	11.45
		For Work In Restricted Working Space, Add	*4.60*	
		For >500 To 5,000, Deduct	*-1.80*	
		For >5,000, Deduct	*-3.19*	
07 84 56 13-0007	SF	1" Thermal Ceramics FireMaster Blanket Wrap	23.50	11.45
		For Work In Restricted Working Space, Add	*4.60*	
		For >500 To 5,000, Deduct	*-2.64*	
		For >5,000, Deduct	*-4.55*	
07 84 56 13-0008	SF	1-1/2" Thermal Ceramics FireMaster Blanket Wrap	27.55	11.45
		For Work In Restricted Working Space, Add	*4.60*	
		For >500 To 5,000, Deduct	*-3.58*	
		For >5,000, Deduct	*-6.05*	
07 84 56 13-0009	SF	2" Thermal Ceramics FireMaster Blanket Wrap	31.61	11.45
		For Work In Restricted Working Space, Add	*4.60*	
		For >500 To 5,000, Deduct	*-4.51*	
		For >5,000, Deduct	*-7.55*	

07 84 56 13-0010 Fire Safing (SAFE), Mineral Wool Insulation *(07 84 56 13)*

07 84 56 13-0011	SF	4" Thick, Fire Safing (SAFE), Mineral Wool Insulation (Rockwool Roxul)	3.88	0.46
		For Work In Restricted Working Space, Add	*0.38*	

07 90 Joint Protection *(07)*

07 91 Preformed Joint Seals *(07 90)*

07 91 23 Backer Rods *(07 91)*

07 91 23 00-0001 Backer Rods *(07 91 23)*

07 91 23 00-0002	LF	1/4" Polyethylene Or Polyurethane Backer Rod	2.39	0.64
07 91 23 00-0003	LF	3/8" Polyethylene Or Polyurethane Backer Rod	2.58	0.64
07 91 23 00-0004	LF	1/2" Polyethylene Or Polyurethane Backer Rod	2.89	0.64
07 91 23 00-0005	LF	5/8" Polyethylene Or Polyurethane Backer Rod	3.39	0.64
07 91 23 00-0006	LF	3/4" Polyethylene Or Polyurethane Backer Rod	3.55	0.77
07 91 23 00-0007	LF	7/8" Polyethylene Or Polyurethane Backer Rod	3.98	0.77
07 91 23 00-0008	LF	1" Polyethylene Or Polyurethane Backer Rod	5.12	0.77
07 91 23 00-0009	LF	1-1/4" Polyethylene Or Polyurethane Backer Rod	6.20	0.90
07 91 23 00-0010	LF	1-1/2" Polyethylene Or Polyurethane Backer Rod	7.40	1.03
07 91 23 00-0011	LF	2" Polyethylene Or Polyurethane Backer Rod	10.28	1.16
07 91 23 00-0012	LF	3" Polyethylene Or Polyurethane Backer Rod	21.60	1.42

07 91 26 Joint Fillers *(07 91)*

07 91 26 00-0001 Butyl Rubber Fillers *(07 91 26)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 91 26 00-0002	LF	1/4" x 1/4" Butyl Rubber Filler	2.97	0.77
		For Custom Match Coloring, Add	*0.05*	
07 91 26 00-0003	LF	1/2" x 1/2" Butyl Rubber Filler	8.98	2.20
		For Custom Match Coloring, Add	*0.22*	
07 91 26 00-0004	LF	1/2" x 3/4" Butyl Rubber Filler	10.89	2.33
		For Custom Match Coloring, Add	*0.34*	
07 91 26 00-0005	LF	3/4" x 3/4" Butyl Rubber Filler	11.89	2.45
07 91 26 00-0006	LF	1" x 1" Butyl Rubber Filler	16.01	4.52
07 91 26 00-0007		**Closed Cell Neoprene** *(07 91 26)*		
07 91 26 00-0008	CLF	1/8" x 3" Neoprene Gasket Closed Cell, Adhesive	511.24	148.97
07 91 26 00-0009	CLF	1/8" x 6" Neoprene Gasket Closed Cell, Adhesive	805.66	215.19
07 91 26 00-0010	CLF	1/4" x 3" Neoprene Gasket Closed Cell, Adhesive	651.23	184.47
07 91 26 00-0011	CLF	1/4" x 6" Neoprene Gasket Closed Cell, Adhesive	738.85	193.63
07 91 26 00-0012	CLF	1/2" x 6" Neoprene Gasket Closed Cell, Adhesive	1,128.42	297.94
07 91 26 00-0013	CLF	1/2" x 9" Neoprene Gasket Closed Cell, Adhesive	1,280.58	322.72
07 91 26 00-0014	CLF	1/2" x 12" Neoprene Gasket Closed Cell, Adhesive	1,123.36	234.69
07 91 26 00-0015		**Closed Cell Polyvinyl Chloride** *(07 91 26)*		
07 91 26 00-0016	CLF	1/8" x 3" Polyethylene Joint Backing, Closed Cell	531.90	184.47
07 91 26 00-0017	CLF	1/8" x 6" Polyethylene Joint Backing, Closed Cell	929.64	297.94
07 91 26 00-0018	CLF	1/4" x 3" Polyethylene Joint Backing, Closed Cell	704.03	254.31
07 91 26 00-0019	CLF	1/4" x 6" Polyethylene Joint Backing, Closed Cell	869.72	268.50
07 91 26 00-0020	CLF	1/2" x 6" Polyethylene Joint Backing, Closed Cell	1,322.43	411.80
07 91 26 00-0021	CLF	1/2" x 9" Polyethylene Joint Backing, Closed Cell	1,567.58	446.90
07 91 26 00-0022	CLF	1/2" x 12" Polyethylene Joint Backing, Closed Cell	2,107.35	535.71
07 91 26 00-0023		**Silicon RTV Foam Penetration Seal** *(07 91 26)*		
07 91 26 00-0024	CLF	1/4" x 1/2" Silicon RTV Foam Seal	168.35	29.56
07 91 26 00-0025	CLF	1/2" x 1/2" Silicon RTV Foam Seal	336.67	58.99
07 91 26 00-0026	CLF	1/2" x 3/4" Silicon RTV Foam Seal	501.68	87.65
07 91 26 00-0027	CLF	3/4" x 3/4" Silicon RTV Foam Seal	708.37	118.12
07 91 26 00-0028	CLF	1/8" x 1" Silicon RTV Foam Seal	168.35	29.56
07 91 26 00-0029	CLF	1/8" x 3" Silicon RTV Foam Seal	501.15	87.40
07 91 26 00-0030	CLF	1/4" x 3" Silicon RTV Foam Seal	857.02	131.28
07 91 26 00-0031	CLF	1/4" x 6" Silicon RTV Foam Seal	1,711.74	261.66
07 91 26 00-0032	CLF	1/2" x 6" Silicon RTV Foam Seal	3,245.65	472.34
07 91 26 00-0033	CLF	1/2" x 9" Silicon RTV Foam Seal	4,963.42	737.87
07 91 26 00-0034	CLF	1/2" x 12" Silicon RTV Foam Seal	7,293.65	1,180.64
07 91 26 00-0035		**Seals O-Ring Type Cord "J-Seal"** *(07 91 26)*		
07 91 26 00-0036	LF	1/4" Seals O-Ring Cord, J-Seal	5.53	1.68
07 91 26 00-0037	LF	1/2" Seals O-Ring Cord, J-Seal	5.86	1.68
07 91 26 00-0038	LF	3/4" Seals O-Ring Cord, J-Seal	6.15	1.82
07 91 26 00-0039	LF	1" Seals O-Ring Cord, J-Seal	6.47	1.95
07 91 26 00-0040	LF	1-1/4" Seals O-Ring Cord, J-Seal	6.93	2.08
07 91 26 00-0041	LF	1-1/2" Seals O-Ring Cord, J-Seal	7.24	2.08
07 91 26 00-0042	LF	1-3/4" Seals O-Ring Cord, J-Seal	7.64	2.21
07 91 26 00-0043	LF	2" Seals O-Ring Cord, J-Seal	7.86	2.21

07 91 33 Expansion Joint Seal Systems *(07 91)*

07 91 33 00-0001 Expansion Joint Seal Systems (Wabo®) *(07 91 33)*

07 91 33 00-0002 Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal Systems (Wabo® HSeal) *(07 91 33 00-0001)*

Note: Includes a pre-compressed seal, epoxy adhesive and traffic grade elastomeric top coating.

07 91 33 00-0003	LF	1/2" Minimum, 1-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 25EH)	94.50	7.01
07 91 33 00-0004	LF	3/4" Minimum, 2-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 40EH)	127.88	7.34
07 91 33 00-0005	LF	1" Minimum, 3" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 50EH)	163.09	7.68
07 91 33 00-0006	LF	1-1/4" Minimum, 3-3/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 65EH)	202.29	8.01
07 91 33 00-0007	LF	1-1/2" Minimum, 4-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 75EH)	263.90	8.34
07 91 33 00-0008	LF	1-3/4" Minimum, 5-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 90EH)	303.77	8.67
07 91 33 00-0009	LF	2" Minimum, 6" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 100EH)	353.28	9.01

07 91 33 00-0010 Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal Systems (Wabo® CompressionSeal) *(07 91 33 00-0001)*

Note: Includes preformed neoprene joint seal and lubricant adhesive.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 91 33 00-0011	LF	0.625" Minimum, 1.381" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-162)	45.85	7.01
07 91 33 00-0012	LF	0.688" Minimum, 1.488" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-175)	50.44	7.11
07 91 33 00-0013	LF	0.875" Minimum, 1.700" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-200)	61.98	7.21
07 91 33 00-0014	LF	0.953" Minimum, 1.913" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-225)	66.01	7.34
07 91 33 00-0015	LF	1.000" Minimum, 2.125" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-250)	70.81	7.44
07 91 33 00-0016	LF	1.125" Minimum, 2.550" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-300)	87.96	7.55
07 91 33 00-0017	LF	1.375" Minimum, 2.975" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-350)	109.69	7.68
07 91 33 00-0018	LF	1.625" Minimum, 3.400" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-400)	130.52	8.01
07 91 33 00-0019	LF	1.687" Minimum, 4.250" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-500)	148.29	8.34

07 91 33 00-0020 Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal Systems (Wabo® CompressionSeal) *(07 91 33 00-0001)*

Note: Includes preformed Santoprene® joint seal and lubricant adhesive.

07 91 33 00-0021	LF	0.500" Minimum, 1.500" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-100)	37.56	7.01
07 91 33 00-0022	LF	0.688" Minimum, 1.938" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-225)	50.10	7.34
07 91 33 00-0023	LF	1.063" Minimum, 2.125" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-250)	62.42	7.68
07 91 33 00-0024	LF	1.250" Minimum, 2.563" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-300)	66.11	7.84
07 91 33 00-0025	LF	1.250" Minimum, 3.375" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-400)	73.83	8.01
07 91 33 00-0026	LF	1.438" Minimum, 4.250" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-500)	108.19	8.34
07 91 33 00-0027	LF	1.813" Minimum, 5.125" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-600)	150.75	8.67

07 91 33 00-0028 Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal Systems (Wabo® Seismic WeatherSeal) *(07 91 33 00-0001)*

Note: Includes a pre-compressed foam seal and silicone sealant.

07 91 33 00-0029	LF	1/2" Minimum, 1-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-100)	35.58	2.78
07 91 33 00-0030	LF	3/4" Minimum, 2-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-150)	60.46	2.89
07 91 33 00-0031	LF	1" Minimum, 3" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-200)	91.60	3.00
07 91 33 00-0032	LF	1-1/4" Minimum, 3-3/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-250)	115.80	3.11
07 91 33 00-0033	LF	1-1/2" Minimum, 4-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-300)	152.76	3.22
07 91 33 00-0034	LF	1-3/4" Minimum, 5-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-350)	202.50	3.34
07 91 33 00-0035	LF	2" Minimum, 6" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-400)	248.66	3.45
07 91 33 00-0036	LF	2-1/2" Minimum, 7-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-500)	335.82	3.56
07 91 33 00-0037	LF	3" Minimum, 9" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-600)	392.27	3.67

07 91 33 00-0038 Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal Systems (Wabo® WeatherSeal II) *(07 91 33 00-0001)*

Note: Includes a pre-compressed foam seal and silicone sealant.

07 91 33 00-0039	LF	0.75" Minimum, 1.25" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-100)	34.69	2.78
07 91 33 00-0040	LF	1.13" Minimum, 1.88" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-150)	46.12	2.89
07 91 33 00-0041	LF	1.50" Minimum, 2.50" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-200)	62.25	3.00
07 91 33 00-0042	LF	1.88" Minimum, 3.13" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-250)	84.87	3.11
07 91 33 00-0043	LF	2.25" Minimum, 3.75" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-300)	96.97	3.22
07 91 33 00-0044	LF	2.63" Minimum, 4.38" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-350)	135.06	3.34
07 91 33 00-0045	LF	3.00" Minimum, 5.00" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-400)	181.89	3.45
07 91 33 00-0046	LF	3.75" Minimum, 6.25" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-500)	196.45	3.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 91 33 00-0047		Molded EPDM Rubber Cover, For Pedestrian Foot Traffic And Slow Speed Non-Commercial Vehicular Traffic (Wabo® SafetyFlexl) *(07 91 33 00-0001)*		
07 91 33 00-0048	LF	2-1/2" Minimum, 12" Maximum Joint Opening, Elastomeric Hinged Cover System for Pedestrian Walkway And Low-speed Vehicular Traffic Areas (Wabo® SafetyFlex SFP-600)	261.00	9.01
07 91 33 00-0049		Closed Cell Neoprene Expanded Rubber Foam Seal, Preformed Flexible Joint Seal Systems (Wabo® InverSeal) *(07 91 33 00-0001)*		
		Note: Includes epoxy adhesive.		
07 91 33 00-0050	LF	0.45" Minimum, 1.25" Maximum Joint Opening, Closed Cell Neoprene Expanded Rubber Foam Seal, Preformed Flexible Joint Seal Systems (Wabo® InverSeal IV-100)	28.61	
07 91 33 00-0051	LF	0.675" Minimum, 1.875" Maximum Joint Opening, Closed Cell Neoprene Expanded Rubber Foam Seal, Preformed Flexible Joint Seal Systems (Wabo® InverSeal IV-150)	31.36	
07 91 33 00-0052	LF	0.90" Minimum, 2.50" Maximum Joint Opening, Closed Cell Neoprene Expanded Rubber Foam Seal, Preformed Flexible Joint Seal Systems (Wabo® InverSeal IV-200)	41.36	
07 91 33 00-0053	LF	1.125" Minimum, 3.125" Maximum Joint Opening, Closed Cell Neoprene Expanded Rubber Foam Seal, Preformed Flexible Joint Seal Systems (Wabo® InverSeal IV-250)	51.46	
07 91 33 00-0054	LF	1.35" Minimum, 3.75" Maximum Joint Opening, Closed Cell Neoprene Expanded Rubber Foam Seal, Preformed Flexible Joint Seal Systems (Wabo® InverSeal IV-300)	117.99	
07 91 33 00-0055	LF	1.80" Minimum, 5.00" Maximum Joint Opening, Closed Cell Neoprene Expanded Rubber Foam Seal, Preformed Flexible Joint Seal Systems (Wabo® InverSeal IV-400)	155.55	

07 92 Joint Sealants *(07 90)*

07 92 13 Elastomeric Joint Sealants *(07 92)*

07 92 13 00-0001		Silicone Sealant And Caulking *(07 92 13)*		
07 92 13 00-0002	CLF	1/4" x 1/4" Joint, Silicone Sealant And Caulking	356.37	99.30
		For Custom Match Coloring, Add	*14.03*	
		For Up To 6 CLF, Add	*19.28*	
		For >30 CLF, Deduct	*-20.74*	
		For 1 Part Mildew Resistant, Add	*20.46*	
		For High-Modulus Non-Acid Curing, Add	*11.69*	
07 92 13 00-0003	CLF	1/4" x 3/8" Joint, Silicone Sealant And Caulking	385.60	99.30
		For Custom Match Coloring, Add	*21.05*	
		For Up To 4 CLF, Add	*21.47*	
		For >20 CLF, Deduct	*-23.67*	
		For 1 Part Mildew Resistant, Add	*30.70*	
		For High-Modulus Non-Acid Curing, Add	*17.54*	
07 92 13 00-0004	CLF	1/4" x 1/2" Joint, Silicone Sealant And Caulking	425.87	102.61
		For Custom Match Coloring, Add	*28.07*	
		For Up To 3 CLF, Add	*24.22*	
		For >15 CLF, Deduct	*-27.14*	
		For 1 Part Mildew Resistant, Add	*40.93*	
		For High-Modulus Non-Acid Curing, Add	*23.39*	
07 92 13 00-0005	CLF	3/8" x 3/8" Joint, Silicone Sealant And Caulking	440.48	102.61
		For Custom Match Coloring, Add	*31.57*	
		For Up To 2.5 CLF, Add	*25.31*	
		For >13 CLF, Deduct	*-28.60*	
		For 1 Part Mildew Resistant, Add	*46.04*	
		For High-Modulus Non-Acid Curing, Add	*26.31*	
07 92 13 00-0006	CLF	3/8" x 1/2" Joint, Silicone Sealant And Caulking	484.33	102.61
		For Custom Match Coloring, Add	*42.10*	
		For Up To 2 CLF, Add	*28.60*	
		For >10 CLF, Deduct	*-32.99*	
		For 1 Part Mildew Resistant, Add	*61.39*	
		For High-Modulus Non-Acid Curing, Add	*35.08*	
07 92 13 00-0007	CLF	3/8" x 5/8" Joint, Silicone Sealant And Caulking	528.19	102.61
		For Custom Match Coloring, Add	*52.62*	
		For Up To 1.5 CLF, Add	*31.89*	
		For >8 CLF, Deduct	*-37.37*	
		For 1 Part Mildew Resistant, Add	*76.74*	
		For High-Modulus Non-Acid Curing, Add	*43.85*	
07 92 13 00-0008	CLF	3/8" x 3/4" Joint, Silicone Sealant And Caulking	583.07	107.02
		For Custom Match Coloring, Add	*63.15*	
		For Up To 1.3 CLF, Add	*35.73*	
		For >7 CLF, Deduct	*-42.31*	
		For 1 Part Mildew Resistant, Add	*92.09*	
		For High-Modulus Non-Acid Curing, Add	*52.62*	
07 92 13 00-0009	CLF	1/2" x 1/2" Joint, Silicone Sealant And Caulking	553.83	107.02
		For Custom Match Coloring, Add	*56.13*	
		For Up To 1.4 CLF, Add	*33.54*	
		For >7.5 CLF, Deduct	*-39.39*	
		For 1 Part Mildew Resistant, Add	*81.85*	
		For High-Modulus Non-Acid Curing, Add	*46.77*	
07 92 13 00-0010	CLF	1/2" x 5/8" Joint, Silicone Sealant And Caulking	623.34	110.33
		For Custom Match Coloring, Add	*70.16*	
		For Up To 1.15 CLF, Add	*38.48*	
		For >6 CLF, Deduct	*-45.78*	
		For 1 Part Mildew Resistant, Add	*102.32*	
		For High-Modulus Non-Acid Curing, Add	*58.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0011	CLF	1/2" x 3/4" Joint, Silicone Sealant And Caulking	681.81	110.33
		For Custom Match Coloring, Add	*84.19*	
		For Up To 1 CLF, Add	*42.86*	
		For >5 CLF, Deduct	*-51.63*	
		For 1 Part Mildew Resistant, Add	*122.78*	
		For High-Modulus Non-Acid Curing, Add	*70.16*	
07 92 13 00-0012	CLF	1/2" x 7/8" Joint, Silicone Sealant And Caulking	751.31	113.64
		For Custom Match Coloring, Add	*98.23*	
		For Up To 0.8 CLF, Add	*47.80*	
		For >4.5 CLF, Deduct	*-58.03*	
		For 1 Part Mildew Resistant, Add	*143.25*	
		For High-Modulus Non-Acid Curing, Add	*81.86*	
07 92 13 00-0013	CLF	1/2" x 1" Joint, Silicone Sealant And Caulking	820.81	118.05
		For Custom Match Coloring, Add	*112.26*	
		For Up To 0.75 CLF, Add	*52.73*	
		For >4 CLF, Deduct	*-64.43*	
		For 1 Part Mildew Resistant, Add	*163.71*	
		For High-Modulus Non-Acid Curing, Add	*93.55*	
07 92 13 00-0014	CLF	3/4" x 3/4" Joint, Silicone Sealant And Caulking	890.30	121.36
		For Custom Match Coloring, Add	*126.29*	
		For Up To 0.65 CLF, Add	*57.67*	
		For >3.5 CLF, Deduct	*-70.83*	
		For 1 Part Mildew Resistant, Add	*184.17*	
		For High-Modulus Non-Acid Curing, Add	*105.24*	
07 92 13 00-0015	CLF	3/4" x 1" Joint, Silicone Sealant And Caulking	1,098.82	132.40
		For Custom Match Coloring, Add	*168.39*	
		For Up To 0.5 CLF, Add	*72.48*	
		For >2.5 CLF, Deduct	*-90.02*	
		For 1 Part Mildew Resistant, Add	*245.57*	
		For High-Modulus Non-Acid Curing, Add	*140.32*	
07 92 13 00-0016	CLF	1" x 1" Joint, Silicone Sealant And Caulking	1,376.82	146.74
		For Custom Match Coloring, Add	*224.52*	
		For Up To 0.4 CLF, Add	*92.23*	
		For >2 CLF, Deduct	*-115.62*	
		For 1 Part Mildew Resistant, Add	*327.42*	
		For High-Modulus Non-Acid Curing, Add	*187.10*	

07 92 13 00-0017 Acrylic/Latex Sealant And Caulking *(07 92 13)*

07 92 13 00-0018	CLF	1/4" x 1/4" Joint, Acrylic/Latex Sealant And Caulking	318.41	99.30
		For Up To 6 CLF, Add	*16.43*	
		For >30 CLF, Deduct	*-16.95*	
07 92 13 00-0019	CLF	1/4" x 3/8" Joint, Acrylic/Latex Sealant And Caulking	328.67	99.30
		For Up To 4 CLF, Add	*17.20*	
		For >20 CLF, Deduct	*-17.97*	
07 92 13 00-0020	CLF	1/4" x 1/2" Joint, Acrylic/Latex Sealant And Caulking	349.96	102.61
		For Up To 3 CLF, Add	*18.52*	
		For >15 CLF, Deduct	*-19.55*	
07 92 13 00-0021	CLF	3/8" x 3/8" Joint, Acrylic/Latex Sealant And Caulking	355.08	102.61
		For Up To 2.5 CLF, Add	*18.91*	
		For >13 CLF, Deduct	*-20.06*	
07 92 13 00-0022	CLF	3/8" x 1/2" Joint, Acrylic/Latex Sealant And Caulking	370.47	102.61
		For Up To 2 CLF, Add	*20.06*	
		For >10 CLF, Deduct	*-21.60*	
07 92 13 00-0023	CLF	3/8" x 5/8" Joint, Acrylic/Latex Sealant And Caulking	385.85	102.61
		For Up To 1.5 CLF, Add	*21.22*	
		For >8 CLF, Deduct	*-23.14*	
07 92 13 00-0024	CLF	3/8" x 3/4" Joint, Acrylic/Latex Sealant And Caulking	412.27	107.02
		For Up To 1.3 CLF, Add	*22.92*	
		For >7 CLF, Deduct	*-25.23*	
07 92 13 00-0025	CLF	1/2" x 1/2" Joint, Acrylic/Latex Sealant And Caulking	402.01	107.02
		For Up To 1.4 CLF, Add	*22.15*	
		For >7.5 CLF, Deduct	*-24.20*	
07 92 13 00-0026	CLF	1/2" x 5/8" Joint, Acrylic/Latex Sealant And Caulking	433.56	110.33
		For Up To 1.15 CLF, Add	*24.24*	
		For >6 CLF, Deduct	*-26.81*	
07 92 13 00-0027	CLF	1/2" x 3/4" Joint, Acrylic/Latex Sealant And Caulking	454.08	110.33
		For Up To 1 CLF, Add	*25.78*	
		For >5 CLF, Deduct	*-28.86*	
07 92 13 00-0028	CLF	1/2" x 7/8" Joint, Acrylic/Latex Sealant And Caulking	485.62	113.64
		For Up To 0.8 CLF, Add	*27.87*	
		For >4.5 CLF, Deduct	*-31.46*	
07 92 13 00-0029	CLF	1/2" x 1" Joint, Acrylic/Latex Sealant And Caulking	517.16	118.05
		For Up To 0.75 CLF, Add	*29.96*	
		For >4 CLF, Deduct	*-34.06*	
07 92 13 00-0030	CLF	3/4" x 3/4" Joint, Acrylic/Latex Sealant And Caulking	548.70	121.36
		For Up To 0.65 CLF, Add	*32.05*	
		For >3.5 CLF, Deduct	*-36.67*	
07 92 13 00-0031	CLF	3/4" x 1" Joint, Acrylic/Latex Sealant And Caulking	643.35	132.40
		For Up To 0.5 CLF, Add	*38.32*	
		For >2.5 CLF, Deduct	*-44.48*	
07 92 13 00-0032	CLF	1" x 1" Joint, Acrylic/Latex Sealant And Caulking	769.53	146.74
		For Up To 0.4 CLF, Add	*46.68*	
		For >2 CLF, Deduct	*-54.89*	

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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0033		**Flexible Polysulfide Sealant And Caulking, Clear** *(07 92 13)*		
		Note: 1 or 2 part, non-sag.		
07 92 13 00-0034	CLF	1/4" x 1/4" Joint, Polysulfide Sealant And Caulking	347.00	99.30
		For Up To 6 CLF, Add	*18.58*	
		For >30 CLF, Deduct	*-19.81*	
07 92 13 00-0035	CLF	1/4" x 3/8" Joint, Polysulfide Sealant And Caulking	371.57	99.30
		For Up To 4 CLF, Add	*20.42*	
		For >20 CLF, Deduct	*-22.26*	
07 92 13 00-0036	CLF	1/4" x 1/2" Joint, Polysulfide Sealant And Caulking	407.15	102.61
		For Up To 3 CLF, Add	*22.81*	
		For >15 CLF, Deduct	*-25.27*	
07 92 13 00-0037	CLF	3/8" x 3/8" Joint, Polysulfide Sealant And Caulking	419.42	102.61
		For Up To 2.5 CLF, Add	*23.73*	
		For >13 CLF, Deduct	*-26.50*	
07 92 13 00-0038	CLF	3/8" x 1/2" Joint, Polysulfide Sealant And Caulking	456.27	102.61
		For Up To 2 CLF, Add	*26.50*	
		For >10 CLF, Deduct	*-30.18*	
07 92 13 00-0039	CLF	3/8" x 5/8" Joint, Polysulfide Sealant And Caulking	493.09	102.61
		For Up To 1.5 CLF, Add	*29.26*	
		For >8 CLF, Deduct	*-33.86*	
07 92 13 00-0040	CLF	3/8" x 3/4" Joint, Polysulfide Sealant And Caulking	540.95	107.02
		For Up To 1.3 CLF, Add	*32.57*	
		For >7 CLF, Deduct	*-38.10*	
07 92 13 00-0041	CLF	1/2" x 1/2" Joint, Polysulfide Sealant And Caulking	516.40	107.02
		For Up To 1.4 CLF, Add	*30.73*	
		For >7.5 CLF, Deduct	*-35.64*	
07 92 13 00-0042	CLF	1/2" x 5/8" Joint, Polysulfide Sealant And Caulking	576.56	110.33
		For Up To 1.15 CLF, Add	*34.97*	
		For >6 CLF, Deduct	*-41.11*	
07 92 13 00-0043	CLF	1/2" x 3/4" Joint, Polysulfide Sealant And Caulking	625.66	110.33
		For Up To 1 CLF, Add	*38.65*	
		For >5 CLF, Deduct	*-46.02*	
07 92 13 00-0044	CLF	1/2" x 7/8" Joint, Polysulfide Sealant And Caulking	685.81	113.64
		For Up To 0.8 CLF, Add	*42.89*	
		For >4.5 CLF, Deduct	*-51.48*	
07 92 13 00-0045	CLF	1/2" x 1" Joint, Polysulfide Sealant And Caulking	745.94	118.05
		For Up To 0.75 CLF, Add	*47.12*	
		For >4 CLF, Deduct	*-56.94*	
07 92 13 00-0046	CLF	3/4" x 3/4" Joint, Polysulfide Sealant And Caulking	806.09	121.36
		For Up To 0.65 CLF, Add	*51.35*	
		For >3.5 CLF, Deduct	*-62.40*	
07 92 13 00-0047	CLF	3/4" x 1" Joint, Polysulfide Sealant And Caulking	986.51	132.40
		For Up To 0.5 CLF, Add	*64.06*	
		For >2.5 CLF, Deduct	*-78.79*	
07 92 13 00-0048		**Polyurethane Sealant And Caulking** *(07 92 13)*		
		Note: 1 or 2 part, non-sag.		
07 92 13 00-0049	CLF	1/4" x 1/4" Joint, Polyurethane Sealant And Caulking	342.74	99.30
		For Up To 6 CLF, Add	*18.26*	
		For >30 CLF, Deduct	*-19.38*	
07 92 13 00-0050	CLF	1/4" x 3/8" Joint, Polyurethane Sealant And Caulking	365.17	99.30
		For Up To 4 CLF, Add	*19.94*	
		For >20 CLF, Deduct	*-21.62*	
07 92 13 00-0051	CLF	1/4" x 1/2" Joint, Polyurethane Sealant And Caulking	398.62	102.61
		For Up To 3 CLF, Add	*22.17*	
		For >15 CLF, Deduct	*-24.42*	
07 92 13 00-0052	CLF	3/8" x 3/8" Joint, Polyurethane Sealant And Caulking	409.83	102.61
		For Up To 2.5 CLF, Add	*23.01*	
		For >13 CLF, Deduct	*-25.54*	
07 92 13 00-0053	CLF	3/8" x 1/2" Joint, Polyurethane Sealant And Caulking	443.46	102.61
		For Up To 2 CLF, Add	*25.54*	
		For >10 CLF, Deduct	*-28.90*	
07 92 13 00-0054	CLF	3/8" x 5/8" Joint, Polyurethane Sealant And Caulking	477.09	102.61
		For Up To 1.5 CLF, Add	*28.06*	
		For >8 CLF, Deduct	*-32.26*	
07 92 13 00-0055	CLF	3/8" x 3/4" Joint, Polyurethane Sealant And Caulking	521.75	107.02
		For Up To 1.3 CLF, Add	*31.13*	
		For >7 CLF, Deduct	*-36.18*	
07 92 13 00-0056	CLF	1/2" x 1/2" Joint, Polyurethane Sealant And Caulking	499.33	107.02
		For Up To 1.4 CLF, Add	*29.45*	
		For >7.5 CLF, Deduct	*-33.94*	
07 92 13 00-0057	CLF	1/2" x 5/8" Joint, Polyurethane Sealant And Caulking	555.22	110.33
		For Up To 1.15 CLF, Add	*33.37*	
		For >6 CLF, Deduct	*-38.97*	
07 92 13 00-0058	CLF	1/2" x 3/4" Joint, Polyurethane Sealant And Caulking	600.06	110.33
		For Up To 1 CLF, Add	*36.73*	
		For >5 CLF, Deduct	*-43.46*	
07 92 13 00-0059	CLF	1/2" x 7/8" Joint, Polyurethane Sealant And Caulking	655.93	113.64
		For Up To 0.8 CLF, Add	*40.64*	
		For >4.5 CLF, Deduct	*-48.49*	
07 92 13 00-0060	CLF	1/2" x 1" Joint, Polyurethane Sealant And Caulking	711.81	118.05
		For Up To 0.75 CLF, Add	*44.56*	
		For >4 CLF, Deduct	*-53.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0061	CLF	3/4" x 3/4" Joint, Polyurethane Sealant And Caulking	767.68	121.36
		For Up To 0.65 CLF, Add	*48.47*	
		For >3.5 CLF, Deduct	*-58.56*	
07 92 13 00-0062	CLF	3/4" x 1" Joint, Polyurethane Sealant And Caulking	935.32	132.40
		For Up To 0.5 CLF, Add	*60.22*	
		For >2.5 CLF, Deduct	*-73.67*	
07 92 13 00-0063		**Flexible Polyurethane Security Sealant And Caulking** *(07 92 13)*		
		Note: 1 or 2 part, non-sag.		
07 92 13 00-0064	CLF	1/4" x 1/4" Joint, Flexible Polyurethane Security Sealant And Caulking	357.42	99.30
		For Up To 6 CLF, Add	*19.36*	
		For >30 CLF, Deduct	*-20.85*	
07 92 13 00-0065	CLF	1/4" x 3/8" Joint, Flexible Polyurethane Security Sealant And Caulking	387.18	99.30
		For Up To 4 CLF, Add	*21.59*	
		For >20 CLF, Deduct	*-23.82*	
07 92 13 00-0066	CLF	1/4" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking	427.96	102.61
		For Up To 3 CLF, Add	*24.37*	
		For >15 CLF, Deduct	*-27.35*	
07 92 13 00-0067	CLF	3/8" x 3/8" Joint, Flexible Polyurethane Security Sealant And Caulking	442.84	102.61
		For Up To 2.5 CLF, Add	*25.49*	
		For >13 CLF, Deduct	*-28.84*	
07 92 13 00-0068	CLF	3/8" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking	487.48	102.61
		For Up To 2 CLF, Add	*28.84*	
		For >10 CLF, Deduct	*-33.30*	
07 92 13 00-0069	CLF	3/8" x 5/8" Joint, Flexible Polyurethane Security Sealant And Caulking	532.12	102.61
		For Up To 1.5 CLF, Add	*32.19*	
		For >8 CLF, Deduct	*-37.77*	
07 92 13 00-0070	CLF	3/8" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking	587.78	107.02
		For Up To 1.3 CLF, Add	*36.08*	
		For >7 CLF, Deduct	*-42.78*	
07 92 13 00-0071	CLF	1/2" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking	558.03	107.02
		For Up To 1.4 CLF, Add	*33.85*	
		For >7.5 CLF, Deduct	*-39.81*	
07 92 13 00-0072	CLF	1/2" x 5/8" Joint, Flexible Polyurethane Security Sealant And Caulking	628.58	110.33
		For Up To 1.15 CLF, Add	*38.87*	
		For >6 CLF, Deduct	*-46.31*	
07 92 13 00-0073	CLF	1/2" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking	688.10	110.33
		For Up To 1 CLF, Add	*43.33*	
		For >5 CLF, Deduct	*-52.26*	
07 92 13 00-0074	CLF	1/2" x 7/8" Joint, Flexible Polyurethane Security Sealant And Caulking	758.64	113.64
		For Up To 0.8 CLF, Add	*48.35*	
		For >4.5 CLF, Deduct	*-58.76*	
07 92 13 00-0075	CLF	1/2" x 1" Joint, Flexible Polyurethane Security Sealant And Caulking	829.19	118.05
		For Up To 0.75 CLF, Add	*53.36*	
		For >4 CLF, Deduct	*-65.27*	
07 92 13 00-0076	CLF	3/4" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking	899.74	121.36
		For Up To 0.65 CLF, Add	*58.38*	
		For >3.5 CLF, Deduct	*-71.77*	
07 92 13 00-0077	CLF	3/4" x 1" Joint, Flexible Polyurethane Security Sealant And Caulking	1,111.40	132.40
		For Up To 0.5 CLF, Add	*73.43*	
		For >2.5 CLF, Deduct	*-91.28*	
07 92 19		**Acoustical Joint Sealants** *(07 92)*		
07 92 19 00-0001		**Acoustical Sealant** *(07 92 19)*		
07 92 19 00-0002	CLF	1/4" x 1/4" Joint, Acoustical Sealant	350.53	99.30
		For Custom Match Coloring, Add	*12.63*	
		For Up To 6 CLF, Add	*18.84*	
		For >30 CLF, Deduct	*-20.16*	
		For 1 Part Mildew Resistant, Add	*18.42*	
		For High-Modulus Non-Acid Curing, Add	*10.53*	
07 92 19 00-0003	CLF	1/4" x 3/8" Joint, Acoustical Sealant	370.51	99.30
		For Custom Match Coloring, Add	*17.43*	
		For Up To 4 CLF, Add	*20.34*	
		For >20 CLF, Deduct	*-22.16*	
		For 1 Part Mildew Resistant, Add	*25.41*	
		For High-Modulus Non-Acid Curing, Add	*14.52*	
07 92 19 00-0004	CLF	1/4" x 1/2" Joint, Acoustical Sealant	393.32	102.61
		For Custom Match Coloring, Add	*20.25*	
		For Up To 3 CLF, Add	*21.78*	
		For >15 CLF, Deduct	*-23.89*	
		For 1 Part Mildew Resistant, Add	*29.54*	
		For High-Modulus Non-Acid Curing, Add	*16.88*	
07 92 19 00-0005	CLF	3/8" x 3/8" Joint, Acoustical Sealant	426.02	102.61
		For Custom Match Coloring, Add	*28.10*	
		For Up To 2.5 CLF, Add	*24.23*	
		For >13 CLF, Deduct	*-27.16*	
		For 1 Part Mildew Resistant, Add	*40.98*	
		For High-Modulus Non-Acid Curing, Add	*23.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 19 00-0006	CLF	3/8" x 1/2" Joint, Acoustical Sealant	460.02	102.61
		For Custom Match Coloring, Add	*36.26*	
		For Up To 2 CLF, Add	*26.78*	
		For >10 CLF, Deduct	*-30.56*	
		For 1 Part Mildew Resistant, Add	*52.88*	
		For High-Modulus Non-Acid Curing, Add	*30.22*	
07 92 19 00-0007	CLF	1/2" x 1/2" Joint, Acoustical Sealant	532.85	107.02
		For Custom Match Coloring, Add	*51.09*	
		For Up To 1.4 CLF, Add	*31.96*	
		For >7.5 CLF, Deduct	*-37.29*	
		For 1 Part Mildew Resistant, Add	*74.51*	
		For High-Modulus Non-Acid Curing, Add	*42.58*	

07 95 Expansion Control *(07 90)*

07 95 13 Expansion Joint Cover Assemblies *(07 95)*

Note: Includes necessary waterproofing mastics/caulking.

07 95 13 13 Interior Expansion Joint Cover Assemblies *(07 95 13)*

07 95 13 13-0001 Interior Floor Expansion Joint Cover Assemblies *(07 95 13 13)*

07 95 13 13-0002 With 1" Space *(07 95 13 13-0001)*

07 95 13 13-0003	LF	1" Opening Floor Assembly Type, With Aluminum Expansion Joint Cover	77.68	6.76
07 95 13 13-0004	LF	1" Opening Floor Assembly Type, With Bronze Expansion Joint Cover	64.41	6.76
07 95 13 13-0005	LF	1" Opening Floor Assembly Type, With Stainless Steel Expansion Joint Cover	96.03	6.76

07 95 13 13-0006 With 2" Space *(07 95 13 13-0001)*

07 95 13 13-0007	LF	2" Opening Floor Assembly Type, Aluminum Expansion Joint Cover	104.64	6.76
07 95 13 13-0008	LF	2" Opening Floor Assembly Type, Bronze Expansion Joint Cover	77.96	6.76
07 95 13 13-0009	LF	2" Opening Floor Assembly Type, Stainless Steel Expansion Joint Cover	132.18	6.76

07 95 13 13-0010 With 3" Space *(07 95 13 13-0001)*

07 95 13 13-0011	LF	3" Opening Floor Assembly Type, Aluminum Expansion Joint Cover	134.78	6.76
07 95 13 13-0012	LF	3" Opening Floor Assembly Type, Bronze Expansion Joint Cover	100.09	6.76
07 95 13 13-0013	LF	3" Opening Floor Assembly Type, Stainless Steel Expansion Joint Cover	170.57	6.76

07 95 13 13-0014 With 4" Space *(07 95 13 13-0001)*

07 95 13 13-0015	LF	4" Opening Floor Assembly Type, Aluminum Expansion Joint Cover	155.00	6.76
07 95 13 13-0016	LF	4" Opening Floor Assembly Type, Bronze Expansion Joint Cover	113.64	6.76
07 95 13 13-0017	LF	4" Opening Floor Assembly Type, Stainless Steel Expansion Joint Cover	197.68	6.76

07 95 13 13-0018 Interior Ceiling And Wall Expansion Joint Cover Assemblies *(07 95 13 13)*

07 95 13 13-0019 With 1" Space *(07 95 13 13-0018)*

07 95 13 13-0020	LF	1" Opening Ceiling And Wall Assembly Type, Aluminum Expansion Joint Cover	56.58	6.76
07 95 13 13-0021	LF	1" Opening Ceiling And Wall Assembly Type, Bronze Expansion Joint Cover	56.73	6.76
07 95 13 13-0022	LF	1" Opening Ceiling And Wall Assembly Type, Stainless Steel Expansion Joint Cover	83.83	6.76

07 95 13 13-0023 With 2" Space *(07 95 13 13-0018)*

07 95 13 13-0024	LF	2" Opening Ceiling And Wall Assembly Type, Aluminum Expansion Joint Cover	72.76	6.76
07 95 13 13-0025	LF	2" Opening Ceiling And Wall Assembly Type, Bronze Expansion Joint Cover	63.50	6.76
07 95 13 13-0026	LF	2" Opening Ceiling And Wall Assembly Type, Stainless Steel Expansion Joint Cover	101.90	6.76

07 95 13 13-0027 With 3" Space *(07 95 13 13-0018)*

07 95 13 13-0028	LF	3" Opening Ceiling And Wall Assembly Type, Aluminum Expansion Joint Cover	85.71	6.76
07 95 13 13-0029	LF	3" Opening Ceiling And Wall Assembly Type, Bronze Expansion Joint Cover	73.66	6.76
07 95 13 13-0030	LF	3" Opening Ceiling And Wall Assembly Type, Stainless Steel Expansion Joint Cover	123.59	6.76

07 95 13 13-0031 With 4" Space *(07 95 13 13-0018)*

07 95 13 13-0032	LF	4" Opening Ceiling And Wall Assembly Type, Aluminum Expansion Joint Cover	96.49	6.76
07 95 13 13-0033	LF	4" Opening Ceiling And Wall Assembly Type, Bronze Expansion Joint Cover	82.13	6.76
07 95 13 13-0034	LF	4" Opening Ceiling And Wall Assembly Type, Stainless Steel Expansion Joint Cover	141.66	6.76

07 95 13 16 Exterior Expansion Joint Cover Assemblies *(07 95 13)*

07 95 13 16-0001 Exterior Roof Aluminum Expansion Joint Cover Assemblies *(07 95 13 16)*

07 95 13 16-0002 Roof To Roof *(07 95 13 16-0001)*

07 95 13 16-0003	LF	1" Opening Aluminum Assemblies, Exterior Roof To Roof Expansion Joint	106.81	4.50
07 95 13 16-0004	LF	2" Opening Aluminum Assemblies, Exterior Roof To Roof Expansion Joint	129.50	4.50
07 95 13 16-0005	LF	3" Opening Aluminum Assemblies, Exterior Roof To Roof Expansion Joint	145.13	4.50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 95 13 16-0006		**Roof To Wall** *(07 95 13 16-0001)*		
07 95 13 16-0007	LF	1" Opening Aluminum Assemblies, Exterior Roof To Wall Expansion Joint	78.38	4.50
07 95 13 16-0008	LF	2" Opening Aluminum Assemblies, Exterior Roof To Wall Expansion Joint	106.16	4.50
07 95 13 16-0009		**Flat Wall To Wall** *(07 95 13 16-0001)*		
07 95 13 16-0010	LF	1" Opening Aluminum Assemblies, Exterior Wall To Wall Expansion Joint	57.65	4.50
07 95 13 16-0011	LF	2" Opening Aluminum Assemblies, Exterior Wall To Wall Expansion Joint	74.32	4.50
07 95 13 16-0012	LF	3" Opening Aluminum Assemblies, Exterior Wall To Wall Expansion Joint	94.44	4.50
07 95 13 16-0013		**Corner To Flat Wall** *(07 95 13 16-0001)*		
07 95 13 16-0014	LF	1" Opening Aluminum Assemblies, Exterior Corner To Wall Expansion Joint	53.81	4.50
07 95 13 16-0015	LF	2" Opening Aluminum Assemblies, Exterior Corner To Wall Expansion Joint	64.92	4.50
07 95 13 16-0016	LF	3" Opening Aluminum Assemblies, Exterior Corner To Wall Expansion Joint	96.15	4.50
07 95 13 16-0017		**Exterior Roof Galvanized Steel Expansion Joint Cover Assemblies** *(07 95 13 16)*		
07 95 13 16-0018		**Roof To Roof** *(07 95 13 16-0017)*		
07 95 13 16-0019	LF	1" Opening Galvanized Steel Assemblies, Exterior Roof To Roof Expansion Joint	93.60	4.50
07 95 13 16-0020	LF	2" Opening Galvanized Steel Assemblies, Exterior Roof To Roof Expansion Joint	112.89	4.50
07 95 13 16-0021	LF	3" Opening Galvanized Steel Assemblies, Exterior Roof To Roof Expansion Joint	126.18	4.50
07 95 13 16-0022		**Roof To Wall** *(07 95 13 16-0017)*		
07 95 13 16-0023	LF	1" Opening Galvanized Steel Assemblies, Exterior Roof To Wall Expansion Joint	69.70	4.50
07 95 13 16-0024	LF	2" Opening Galvanized Steel Assemblies, Exterior Roof To Wall Expansion Joint	93.31	4.50
07 95 13 16-0025		**Flat Wall To Wall** *(07 95 13 16-0017)*		
07 95 13 16-0026	LF	1" Opening Galvanized Steel Assemblies, Exterior Wall To Wall Expansion Joint	51.82	4.50
07 95 13 16-0027	LF	2" Opening Galvanized Steel Assemblies, Exterior Wall To Wall Expansion Joint	65.99	4.50
07 95 13 16-0028	LF	3" Opening Galvanized Steel Assemblies, Exterior Wall To Wall Expansion Joint	83.09	4.50
07 95 13 16-0029		**Corner To Flat Wall** *(07 95 13 16-0017)*		
07 95 13 16-0030	LF	1" Opening Galvanized Steel Assemblies, Exterior Corner To Wall Expansion Joint	48.81	4.50
07 95 13 16-0031	LF	2" Opening Galvanized Steel Assemblies, Exterior Corner To Wall Expansion Joint	58.25	4.50
07 95 13 16-0032	LF	3" Opening Galvanized Steel Assemblies, Exterior Corner To Wall Expansion Joint	84.80	4.50

END OF SECTION 07

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
		09 Finishes		
		09 90 Painting and Coating *(09)*		
		Note: Includes masking, safety signs, cleaning of area (dry wiping down walls, floors, doors, etc.), removal of loose paint (paint, caulk, etc.), feathering rough edges, sanding between coats, protective work to contain dust and paint splatters (drop cloths), unless otherwise noted, removal and reinstallation of cabinet hardware, switch covers and outlet plates, equipment to place paint and ladders. New construction work additionally includes filling knots, divots, depressions, holes (screw and nail holes in drywall to 1/4" diameter of unlimited quantity). All work designated as "brush/roller" includes brush work for cut and roller work up to cut in. See CSI section 01 56 16 00-0010 for temporary plastic sheeting to protect existing equipment or materials, 07 92 00 00-0000 for caulking where required.		
		09 91 Painting *(09 90)*		
		09 91 13 Exterior Painting *(09 91)*		
		Note: Acrylic latex paint unless otherwise stated. Paint tasks covers all paint sheens: flat, eggshell, satin, semi-gloss, or gloss.		
09 91 13 00-0001		Paint Exterior Walls/Siding *(09 91 13)*		
09 91 13 00-0002		Paint Exterior Brick Walls *(09 91 13 00-0001)*		
09 91 13 00-0003	SF	1 Coat Filler, Brush Work, Paint Exterior Brick Walls	1.02	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 13 00-0004	SF	1 Coat Paint, Brush Work, Paint Exterior Brick Walls	1.43	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.60*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.87*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.29*	
09 91 13 00-0005	SF	2 Coats Paint, Brush Work, Paint Exterior Brick Walls	2.14	
		For Oil Based Paint, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.80*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.20*	
		For >100 To 250, Add	*0.58*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.32*	
		For >20,000, Deduct	*-0.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0006	SF	1 Coat Filler, Brush/Roller Work, Paint Exterior Brick Walls	0.73	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.37*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0007	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Brick Walls	1.18	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 13 00-0008	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Brick Walls	1.81	
		For Oil Based Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.89*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.27*	
		For >20,000, Deduct	*-0.36*	
09 91 13 00-0009	SF	1 Coat Filler, Sprayed, Paint Exterior Brick Walls	0.74	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0010	SF	1 Coat Paint, Sprayed, Paint Exterior Brick Walls	0.79	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.30*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0011	SF	2 Coats Paint, Sprayed, Paint Exterior Brick Walls	1.63	
		For Oil Based Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.73*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.33*	
09 91 13 00-0012	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Brick Walls	0.24	
		For Oil Based Paint, Add	*0.02*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.14*	
		For >100 To 250, Add	*0.07*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.04*	
		For >20,000, Deduct	*-0.05*	

09 91 13 00-0013 Paint Exterior Concrete Walls *(09 91 13 00-0001)*

09 91 13 00-0014	SF	1 Coat Filler, Brush Work, Paint Exterior Concrete Walls	0.87	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 13 00-0015	SF	1 Coat Filler, Brush Work, Paint Exterior Concrete Walls	0.91	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0016	SF	2 Coats Paint, Brush Work, Paint Exterior Concrete Walls	1.73	
		For Oil Based Paint, Add	*0.11*	
		For Epoxy Paint, Add	*0.20*	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.74*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.06*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.35*	
09 91 13 00-0017	SF	1 Coat Filler, Brush/Roller Work, Paint Exterior Concrete Walls	0.72	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 13 00-0018	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Walls	0.78	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 13 00-0019	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Walls	1.34	
		For Oil Based Paint, Add	*0.09*	
		For Epoxy Paint, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.77*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0020	SF	1 Coat Filler, Sprayed, Paint Exterior Concrete Walls	0.66	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.32*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 13 00-0021	SF	1 Coat Paint, Sprayed, Paint Exterior Concrete Walls	0.60	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.31*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 13 00-0022	SF	2 Coats Paint, Sprayed, Paint Exterior Concrete Walls	1.06	
		For Oil Based Paint, Add	*0.08*	
		For Epoxy Paint, Add	*0.20*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0023	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Walls	0.15	
		For Oil Based Paint, Add	*0.01*	
		For Epoxy Paint, Add	*0.02*	
		For Work >15' To 20' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.09*	
		For >100 To 250, Add	*0.05*	
		For >250 To 500, Add	*0.02*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.02*	
		For >20,000, Deduct	*-0.03*	

09 91 13 00-0024 Paint Exterior Concrete Block Walls *(09 91 13 00-0001)*

09 91 13 00-0025 Paint Exterior Concrete Block Walls, Epoxy Paint *(09 91 13 00-0024)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0026	LF	1 Coat Epoxy Paint, Cut-in Brush Work, Paint Exterior Concrete Block Walls	0.22	
		For Work >15' To 20' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.12*	
		For >100 To 250, Add	*0.06*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.04*	
09 91 13 00-0027	SF	1 Coat Epoxy Filler, Brush Work, Paint Exterior Concrete Block Walls	1.25	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.67*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 13 00-0028	SF	1 Coat Epoxy Paint, Brush Work, Paint Exterior Concrete Block Walls	1.41	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.79*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 13 00-0029	SF	2 Coats Epoxy Paint, Brush Work, Paint Exterior Concrete Block Walls	2.50	
		For Work >15' To 20' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.65*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.90*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.35*	
		For >100 To 250, Add	*0.66*	
		For >250 To 500, Add	*0.29*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.25*	
		For >10,000 To 20,000, Deduct	*-0.38*	
		For >20,000, Deduct	*-0.50*	
09 91 13 00-0030	SF	1 Coat Epoxy Filler, Brush/Roller Work, Paint Exterior Concrete Block Walls	1.06	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0031	SF	1 Coat Epoxy Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls	1.16	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 13 00-0032	SF	2 Coats Epoxy Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls	2.08	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.67*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.04*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.31*	
		For >20,000, Deduct	*-0.42*	
09 91 13 00-0033	SF	1 Coat Epoxy Filler, Sprayed, Paint Exterior Concrete Block Walls	0.92	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.37*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0034	SF	1 Coat Epoxy Paint, Sprayed, Paint Exterior Concrete Block Walls	1.00	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.43*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 13 00-0035	SF	2 Coats Epoxy Paint, Sprayed, Paint Exterior Concrete Block Walls	1.98	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.81*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000, Deduct	*-0.40*	

09 91 13 00-0036 Paint Exterior Concrete Block Walls, Acrylic Latex Paint *(09 91 13 00-0024)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0037	SF	1 Coat Filler, Brush Work, Paint Exterior Concrete Block Walls	1.10	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
09 91 13 00-0038	SF	1 Coat Paint, Brush Work, Paint Exterior Concrete Block Walls	1.33	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.76*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	
09 91 13 00-0039	SF	2 Coats Paint, Brush Work, Paint Exterior Concrete Block Walls	2.46	
		For Oil Based Paint, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.67*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.92*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.38*	
		For >100 To 250, Add	*0.67*	
		For >250 To 500, Add	*0.29*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.25*	
		For >10,000 To 20,000, Deduct	*-0.37*	
		For >20,000, Deduct	*-0.49*	
09 91 13 00-0040	SF	1 Coat Texture Paint, Brush Work, Paint Exterior Concrete Block Walls	1.49	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.85*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.30*	
09 91 13 00-0041	SF	1 Coat Filler, Brush/Roller Work, Paint Exterior Concrete Block Walls	0.90	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0042	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls	1.15	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 13 00-0043	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls	2.03	
		For Oil Based Paint, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.69*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.05*	
		For >100 To 250, Add	*0.52*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000, Deduct	*-0.41*	
09 91 13 00-0044	SF	1 Coat Texture Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls	1.29	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.70*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.26*	
09 91 13 00-0045	SF	1 Coat Filler, Sprayed, Paint Exterior Concrete Block Walls	0.92	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0046	SF	1 Coat Paint, Sprayed, Paint Exterior Concrete Block Walls	0.99	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0047	SF	2 Coats Paint, Sprayed, Paint Exterior Concrete Block Walls	1.49	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.76*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.30*	
09 91 13 00-0048	SF	1 Coat Texture Paint, Sprayed, Paint Exterior Concrete Block Walls	1.26	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 13 00-0049	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Block Walls	0.21	
		For Oil Based Paint, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.12*	
		For >100 To 250, Add	*0.06*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.04*	

09 91 13 00-0050 Paint Exterior Drywall/Plaster Walls *(09 91 13 00-0001)*

09 91 13 00-0051	SF	1 Coat Primer, Brush Work, Paint Exterior Drywall/Plaster Wall	0.89	
		For Oil Based Paint, Add	*0.06*	
		For Orange Peel Finish, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
		For Epoxy Paint, Add	*0.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0052	SF	1 Coat Paint, Brush Work, Paint Exterior Drywall/Plaster Walls	0.94	
		For Oil Based Paint, Add	*0.06*	
		For Orange Peel Finish, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
		For Epoxy Paint, Add	*0.10*	
09 91 13 00-0053	SF	2 Coats Paint, Brush Work, Paint Exterior Drywall/Plaster Walls	1.74	
		For Oil Based Paint, Add	*0.11*	
		For Orange Peel Finish, Add	*0.24*	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.74*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.07*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.35*	
		For Epoxy Paint, Add	*0.20*	
09 91 13 00-0054	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Drywall/Plaster Walls	0.72	
		For Oil Based Paint, Add	*0.05*	
		For Orange Peel Finish, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
		For Epoxy Paint, Add	*0.11*	
09 91 13 00-0055	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Walls	0.70	
		For Oil Based Paint, Add	*0.04*	
		For Orange Peel Finish, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
		For Epoxy Paint, Add	*0.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0056	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Walls	1.32	
		For Oil Based Paint, Add	*0.09*	
		For Orange Peel Finish, Add	*0.17*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.76*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
		For Epoxy Paint, Add	*0.18*	
09 91 13 00-0057	SF	1 Coat Primer, Sprayed, Paint Exterior Drywall/Plaster Walls	0.66	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.32*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
		For Epoxy Paint, Add	*0.12*	
09 91 13 00-0058	SF	1 Coat Paint, Sprayed, Paint Exterior Drywall/Plaster Walls	0.68	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.37*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.14*	
		For Epoxy Paint, Add	*0.11*	
09 91 13 00-0059	SF	2 Coats Paint, Sprayed, Paint Exterior Drywall/Plaster Walls	1.15	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
		For Epoxy Paint, Add	*0.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0060	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Drywall/Plaster Walls	0.15	
		For Oil Based Paint, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.09*	
		For >100 To 250, Add	*0.05*	
		For >250 To 500, Add	*0.02*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.02*	
		For >20,000, Deduct	*-0.03*	
		For Epoxy Paint, Add	*0.02*	

09 91 13 00-0061 Paint Exterior Metal Walls *(09 91 13 00-0001)*

09 91 13 00-0062 Paint Exterior Galvanized Walls *(09 91 13 00-0061)*

Note: Linseed oil or acrylic latex paint.

09 91 13 00-0063	SF	1 Coat Primer, Brush Work, Paint Exterior Galvanized Wall Surfaces	1.11	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
09 91 13 00-0064	SF	1 Coat Paint, Brush Work, Paint Exterior Galvanized Wall Surfaces	1.21	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 13 00-0065	SF	2 Coats Paint, Brush Work, Paint Exterior Galvanized Wall Surfaces	2.24	
		For Work >15' To 20' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.80*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.21*	
		For >100 To 250, Add	*0.59*	
		For >250 To 500, Add	*0.26*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.34*	
		For >20,000, Deduct	*-0.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0066	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Galvanized Walls	0.85	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 13 00-0067	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Galvanized Walls	0.96	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 13 00-0068	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Galvanized Walls	1.81	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.63*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.96*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.27*	
		For >20,000, Deduct	*-0.36*	
09 91 13 00-0069	SF	1 Coat Primer, Sprayed, Paint Exterior Galvanized Walls	0.77	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.31*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0070	SF	1 Coat Paint, Sprayed, Paint Exterior Galvanized Walls	0.97	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0071	SF	2 Coats Paint, Sprayed, Paint Exterior Galvanized Walls	1.68	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.73*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.34*	
09 91 13 00-0072		Paint Exterior Aluminum And Aluminum Alloy Walls *(09 91 13 00-0061)*		
		Note: Alkyd enamel paint.		
09 91 13 00-0073	SF	1 Coat Primer, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces	1.11	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
09 91 13 00-0074	SF	1 Coat Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces	1.21	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 13 00-0075	SF	2 Coats Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces	2.22	
		For Work >15' To 20' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.80*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.21*	
		For >100 To 250, Add	*0.59*	
		For >250 To 500, Add	*0.26*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.33*	
		For >20,000, Deduct	*-0.44*	
09 91 13 00-0076	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Walls	0.96	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0077	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Walls	1.07	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0078	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Walls	2.04	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.63*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.00*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.31*	
		For >20,000, Deduct	*-0.41*	
09 91 13 00-0079	SF	1 Coat Primer, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Walls	0.83	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.17*	
09 91 13 00-0080	SF	1 Coat Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Walls	0.97	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.19*	
09 91 13 00-0081	SF	2 Coats Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Walls	1.68	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.73*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.34*	

09 91 13 00-0082 Paint Exterior Aluminum And Aluminum Alloy Roof Stacks *(09 91 13 00-0061)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0083	LF	1 Coat Primer, Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, Per LF Of Stack	14.04	
		For Work >15' To 20' Above Floor, Add	*1.77*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*2.96*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*4.73*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*6.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*9.20*	
		For >100 To 250, Add	*4.36*	
		For >250 To 500, Add	*1.89*	
		For >2,500 To 5,000, Deduct	*-0.70*	
		For >5,000 To 10,000, Deduct	*-1.40*	
		For >10,000 To 20,000, Deduct	*-2.11*	
		For >20,000, Deduct	*-2.81*	
09 91 13 00-0084	LF	1 Coat Paint, Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, Per LF Of Stack	15.63	
		For Work >15' To 20' Above Floor, Add	*1.97*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*3.29*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*5.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*7.23*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*10.23*	
		For >100 To 250, Add	*4.85*	
		For >250 To 500, Add	*2.10*	
		For >2,500 To 5,000, Deduct	*-0.78*	
		For >5,000 To 10,000, Deduct	*-1.56*	
		For >10,000 To 20,000, Deduct	*-2.34*	
		For >20,000, Deduct	*-3.13*	
09 91 13 00-0085	LF	2 Coats Paint, Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, Per LF Of Stack	29.13	
		For Work >15' To 20' Above Floor, Add	*3.71*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*6.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*9.88*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*13.59*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*19.19*	
		For >100 To 250, Add	*9.09*	
		For >250 To 500, Add	*3.93*	
		For >2,500 To 5,000, Deduct	*-1.46*	
		For >5,000 To 10,000, Deduct	*-2.91*	
		For >10,000 To 20,000, Deduct	*-4.37*	
		For >20,000, Deduct	*-5.83*	

09 91 13 00-0086 Paint Exterior Corrugated Metal Walls *(09 91 13 00-0061)*

09 91 13 00-0087	SF	1 Coat Primer, Sprayed, Paint Exterior Corrugated Metal Walls	0.95	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 13 00-0088	SF	1 Coat Paint, Sprayed, Paint Exterior Corrugated Metal Walls	1.21	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0089	SF	2 Coats Paint, Sprayed, Paint Exterior Corrugated Metal Walls	2.08	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.95*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.31*	
		For >20,000, Deduct	*-0.42*	

09 91 13 00-0090 Paint Exterior Stucco Walls *(09 91 13 00-0001)*

09 91 13 00-0091	SF	1 Coat Primer, Brush Work, Paint Exterior Stucco Wall Surfaces	1.44	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.63*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.91*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	
09 91 13 00-0092	SF	1 Coat Paint, Brush Work, Paint Exterior Stucco Wall Surfaces	1.59	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.69*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.99*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	
09 91 13 00-0093	SF	2 Coats Paint, Brush Work, Paint Exterior Stucco Wall Surfaces	2.97	
		For Oil Based Paint, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.92*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.82*	
		For >100 To 250, Add	*0.87*	
		For >250 To 500, Add	*0.38*	
		For >2,500 To 5,000, Deduct	*-0.15*	
		For >5,000 To 10,000, Deduct	*-0.30*	
		For >10,000 To 20,000, Deduct	*-0.45*	
		For >20,000, Deduct	*-0.59*	
09 91 13 00-0094	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Stucco Walls	1.12	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.67*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0095	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Stucco Walls	1.27	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.75*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 13 00-0096	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Stucco Walls	2.36	
		For Oil Based Paint, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.67*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.92*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.36*	
		For >100 To 250, Add	*0.66*	
		For >250 To 500, Add	*0.29*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000 To 20,000, Deduct	*-0.35*	
		For >20,000, Deduct	*-0.47*	
09 91 13 00-0097	SF	1 Coat Primer, Sprayed, Paint Exterior Stucco Walls	0.89	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0098	SF	1 Coat Paint, Sprayed, Paint Exterior Stucco Walls	1.11	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
09 91 13 00-0099	SF	2 Coats Paint, Sprayed, Paint Exterior Stucco Walls	2.10	
		For Oil Based Paint, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.73*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.11*	
		For >100 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.32*	
		For >20,000, Deduct	*-0.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0100	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Stucco Wall Surfaces	0.27	
		For Oil Based Paint, Add	*0.02*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.17*	
		For >100 To 250, Add	*0.08*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 20,000, Deduct	*-0.04*	
		For >20,000, Deduct	*-0.05*	

09 91 13 00-0101 Paint Exterior Wood Siding *(09 91 13 00-0001)*

09 91 13 00-0102 Paint Exterior Smooth Wood Siding *(09 91 13 00-0101)*

Note: Includes tongue and groove, beveled, drop or board and batten siding.

09 91 13 00-0103	SF	1 Coat Primer, Brush Work, Paint Exterior Wood Smooth Siding	1.25	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.73*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 13 00-0104	SF	1 Coat Paint, Brush Work, Paint Exterior Wood Smooth Siding	1.30	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.80*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
09 91 13 00-0105	SF	2 Coats Paint, Brush Work, Paint Exterior Wood Smooth Siding	2.34	
		For Oil Based Paint, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.70*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.97*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.41*	
		For >100 To 250, Add	*0.67*	
		For >250 To 500, Add	*0.29*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.35*	
		For >20,000, Deduct	*-0.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0106	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Smooth Wood Siding	1.02	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 13 00-0107	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Smooth Wood Siding	1.09	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.22*	
09 91 13 00-0108	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Smooth Wood Siding	2.06	
		For Oil Based Paint, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.55*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.76*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.14*	
		For >100 To 250, Add	*0.55*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.31*	
		For >20,000, Deduct	*-0.41*	
09 91 13 00-0109	SF	1 Coat Primer, Sprayed, Paint Exterior Smooth Wood Siding	0.87	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 13 00-0110	SF	1 Coat Paint, Sprayed, Paint Exterior Smooth Wood Siding	1.02	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0111	SF	2 Coats Paint, Sprayed, Paint Exterior Smooth Wood Siding	1.67	
		For Oil Based Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.81*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.33*	
09 91 13 00-0112	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Wood Smooth Siding	0.21	
		For Oil Based Paint, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.13*	
		For >100 To 250, Add	*0.06*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.04*	

09 91 13 00-0113 Paint Exterior Rough Wood Siding *(09 91 13 00-0101)*

Note: Includes shingles, shakes or rough sawn siding.

09 91 13 00-0114	SF	1 Coat Primer, Brush Work, Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding	1.65	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.69*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.00*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.33*	
09 91 13 00-0115	SF	1 Coat Paint, Brush Work, Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding	1.61	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.73*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.03*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0116	SF	2 Coats Paint, Brush Work, Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding	2.99	
		For Oil Based Paint, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.60*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.96*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.33*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.89*	
		For >100 To 250, Add	*0.90*	
		For >250 To 500, Add	*0.39*	
		For >2,500 To 5,000, Deduct	*-0.15*	
		For >5,000 To 10,000, Deduct	*-0.30*	
		For >10,000 To 20,000, Deduct	*-0.45*	
		For >20,000, Deduct	*-0.60*	
09 91 13 00-0117	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn)	1.56	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.79*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.31*	
09 91 13 00-0118	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn)	1.68	
		For Oil Based Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.88*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.34*	
09 91 13 00-0119	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn)	3.14	
		For Oil Based Paint, Add	*0.22*	
		For Work >15' To 20' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.75*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.03*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.60*	
		For >100 To 250, Add	*0.78*	
		For >250 To 500, Add	*0.35*	
		For >2,500 To 5,000, Deduct	*-0.16*	
		For >5,000 To 10,000, Deduct	*-0.31*	
		For >10,000 To 20,000, Deduct	*-0.47*	
		For >20,000, Deduct	*-0.63*	
09 91 13 00-0120	SF	1 Coat Primer, Sprayed, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn)	1.19	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0121	SF	1 Coat Paint, Sprayed, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn)	1.32	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.67*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
09 91 13 00-0122	SF	2 Coats Paint, Sprayed, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn)	2.52	
		For Oil Based Paint, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.80*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.25*	
		For >100 To 250, Add	*0.61*	
		For >250 To 500, Add	*0.27*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.25*	
		For >10,000 To 20,000, Deduct	*-0.38*	
		For >20,000, Deduct	*-0.50*	

09 91 13 00-0123 Paint Exterior Vinyl Siding *(09 91 13 00-0001)*

09 91 13 00-0124	SF	1 Coat Primer, Brush Work, Paint Exterior Vinyl Siding	0.97	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.19*	
09 91 13 00-0125	SF	1 Coat Paint, Brush Work, Paint Exterior Vinyl Siding	1.05	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.58*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0126	SF	2 Coats Paint, Brush Work, Paint Exterior Vinyl Siding	1.98	
		For Oil Based Paint, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.69*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.05*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000, Deduct	*-0.40*	
09 91 13 00-0127	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Vinyl Siding	0.91	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0128	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Vinyl Siding	0.91	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0129	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Vinyl Siding	1.71	
		For Oil Based Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.81*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.34*	
09 91 13 00-0130	SF	1 Coat Primer, Sprayed, Paint Exterior Vinyl Siding	0.87	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0131	SF	1 Coat Paint, Sprayed, Paint Exterior Vinyl Siding	1.02	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.39*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 13 00-0132	SF	2 Coats Paint, Sprayed, Paint Exterior Vinyl Siding	2.00	
		For Oil Based Paint, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.77*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000, Deduct	*-0.40*	
09 91 13 00-0133	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Vinyl Siding	0.18	
		For Oil Based Paint, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.10*	
		For >100 To 250, Add	*0.05*	
		For >250 To 500, Add	*0.02*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.04*	

09 91 13 00-0134 Paint Exterior Ceilings *(09 91 13)*

09 91 13 00-0135 Paint Exterior Concrete Ceilings *(09 91 13 00-0134)*

09 91 13 00-0136	SF	1 Coat Filler, Brush Work, Paint Exterior Concrete Ceiling	0.97	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.58*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0137	SF	1 Coat Paint, Brush Work, Paint Exterior Concrete Ceiling	1.02	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 13 00-0138	SF	2 Coats Paint, Brush Work, Paint Exterior Concrete Ceiling	1.85	
		For Oil Based Paint, Add	*0.11*	
		For Epoxy Paint, Add	*0.21*	
		For Work >15' To 20' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.80*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.15*	
		For >100 To 250, Add	*0.55*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000, Deduct	*-0.37*	
09 91 13 00-0139	SF	1 Coat Filler, Brush/Roller Work, Paint Exterior Concrete Ceiling	0.77	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.43*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0140	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Ceiling	0.82	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0141	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Ceiling	1.54	
		For Oil Based Paint, Add	*0.10*	
		For Epoxy Paint, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.63*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.92*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.31*	
09 91 13 00-0142	SF	1 Coat Filler, Sprayed, Paint Exterior Concrete Ceiling	0.68	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.14*	
09 91 13 00-0143	SF	1 Coat Paint, Sprayed, Paint Exterior Concrete Ceiling	0.77	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.43*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0144	SF	2 Coats Paint, Sprayed, Paint Exterior Concrete Ceiling	1.27	
		For Oil Based Paint, Add	*0.09*	
		For Epoxy Paint, Add	*0.21*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.66*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0145	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Ceiling	0.17	
		For Oil Based Paint, Add	*0.01*	
		For Epoxy Paint, Add	*0.02*	
		For Work >15' To 20' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.11*	
		For >100 To 250, Add	*0.05*	
		For >250 To 500, Add	*0.02*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.03*	

09 91 13 00-0146 Drywall/Plaster *(09 91 13 00-0134)*

09 91 13 00-0147	SF	1 Coat Primer, Brush Work, Paint Exterior Drywall/Plaster Ceiling	0.97	
		For Oil Based Paint, Add	*0.06*	
		For Orange Peel Finish, Add	*0.13*	
		For Epoxy Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.58*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.19*	
		For Epoxy Paint, Add	*0.12*	
09 91 13 00-0148	SF	1 Coat Paint, Brush Work, Paint Exterior Drywall/Plaster Ceiling	1.03	
		For Oil Based Paint, Add	*0.06*	
		For Orange Peel Finish, Add	*0.14*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.66*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.21*	
		For Epoxy Paint, Add	*0.11*	
09 91 13 00-0149	SF	2 Coats Paint, Brush Work, Paint Exterior Drywall/Plaster Ceiling	1.85	
		For Oil Based Paint, Add	*0.11*	
		For Orange Peel Finish, Add	*0.25*	
		For Epoxy Paint, Add	*0.21*	
		For Work >15' To 20' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.80*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.15*	
		For >100 To 250, Add	*0.55*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000, Deduct	*-0.37*	
		For Epoxy Paint, Add	*0.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0150	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Drywall/Plaster Ceiling	0.75	
		For Oil Based Paint, Add	*0.05*	
		For Orange Peel Finish, Add	*0.10*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
		For Epoxy Paint, Add	*0.11*	
09 91 13 00-0151	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Ceiling	0.82	
		For Oil Based Paint, Add	*0.05*	
		For Orange Peel Finish, Add	*0.11*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
		For Epoxy Paint, Add	*0.10*	
09 91 13 00-0152	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Ceiling	1.54	
		For Oil Based Paint, Add	*0.10*	
		For Orange Peel Finish, Add	*0.21*	
		For Epoxy Paint, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.63*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.92*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.31*	
		For Epoxy Paint, Add	*0.19*	
09 91 13 00-0153	SF	1 Coat Primer, Sprayed, Paint Exterior Drywall/Plaster Ceiling	0.68	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.14*	
		For Epoxy Paint, Add	*0.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0154	SF	1 Coat Paint, Sprayed, Paint Exterior Drywall/Plaster Ceiling	0.77	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.43*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.15*	
		For Epoxy Paint, Add	*0.11*	
09 91 13 00-0155	SF	2 Coats Paint, Sprayed, Paint Exterior Drywall/Plaster Ceiling	1.27	
		For Oil Based Paint, Add	*0.09*	
		For Epoxy Paint, Add	*0.21*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.66*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
		For Epoxy Paint, Add	*0.21*	
09 91 13 00-0156	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Drywall/Plaster Ceiling	0.17	
		For Oil Based Paint, Add	*0.01*	
		For Epoxy Paint, Add	*0.02*	
		For Work >15' To 20' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.11*	
		For >100 To 250, Add	*0.05*	
		For >250 To 500, Add	*0.02*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.03*	
		For Epoxy Paint, Add	*0.02*	

09 91 13 00-0157 Paint Exterior Wood Ceilings *(09 91 13 00-0134)*

09 91 13 00-0158 Paint Exterior Smooth Wood Ceilings *(09 91 13 00-0157)*

09 91 13 00-0159	SF	1 Coat Primer, Brush Work, Paint Exterior Wood Smooth Ceiling	1.21	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.70*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0160	SF	1 Coat Paint, Brush Work, Paint Exterior Wood Smooth Ceiling	1.23	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.75*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.25*	
09 91 13 00-0161	SF	2 Coats Paint, Brush Work, Paint Exterior Wood Smooth Ceiling	2.26	
		For Oil Based Paint, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.67*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.92*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.35*	
		For >100 To 250, Add	*0.65*	
		For >250 To 500, Add	*0.28*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.34*	
		For >20,000, Deduct	*-0.45*	
09 91 13 00-0162	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Smooth Wood Ceiling	1.02	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 13 00-0163	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Smooth Wood Ceiling	1.07	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0164	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Smooth Wood Ceiling	1.93	
		For Oil Based Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.69*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.04*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0165	SF	1 Coat Primer, Sprayed, Paint Exterior Smooth Wood Ceiling	0.82	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 13 00-0166	SF	1 Coat Paint, Sprayed, Paint Exterior Smooth Wood Ceiling	0.82	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 13 00-0167	SF	2 Coats Paint, Sprayed, Paint Exterior Smooth Wood Ceiling	1.50	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.78*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.30*	
09 91 13 00-0168	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Wood Smooth Ceiling	0.20	
		For Oil Based Paint, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.12*	
		For >100 To 250, Add	*0.06*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.04*	

09 91 13 00-0169 Paint Exterior Rough Wood Ceilings *(09 91 13 00-0157)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0170	SF	1 Coat Primer, Brush Work, Paint Exterior Wood Rough Ceiling	1.79	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.72*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.05*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.27*	
		For >20,000, Deduct	*-0.36*	
09 91 13 00-0171	SF	1 Coat Paint, Brush Work, Paint Exterior Wood Rough Ceiling	1.76	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.59*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.81*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.15*	
		For >100 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.35*	
09 91 13 00-0172	SF	2 Coats Paint, Brush Work, Paint Exterior Wood Rough Ceiling	3.09	
		For Oil Based Paint, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.63*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*1.00*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.38*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.97*	
		For >100 To 250, Add	*0.94*	
		For >250 To 500, Add	*0.41*	
		For >2,500 To 5,000, Deduct	*-0.15*	
		For >5,000 To 10,000, Deduct	*-0.31*	
		For >10,000 To 20,000, Deduct	*-0.46*	
		For >20,000, Deduct	*-0.62*	
09 91 13 00-0173	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Rough Wood Ceiling	1.68	
		For Oil Based Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.88*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.34*	
09 91 13 00-0174	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Rough Wood Ceiling	1.78	
		For Oil Based Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.63*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.96*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.27*	
		For >20,000, Deduct	*-0.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0175	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Rough Wood Ceiling	3.24	
		For Oil Based Paint, Add	*0.23*	
		For Work >15' To 20' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.79*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.09*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.67*	
		For >100 To 250, Add	*0.82*	
		For >250 To 500, Add	*0.36*	
		For >2,500 To 5,000, Deduct	*-0.16*	
		For >5,000 To 10,000, Deduct	*-0.32*	
		For >10,000 To 20,000, Deduct	*-0.49*	
		For >20,000, Deduct	*-0.65*	
09 91 13 00-0176	SF	1 Coat Primer, Sprayed, Paint Exterior Rough Wood Ceiling	1.31	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.66*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
09 91 13 00-0177	SF	1 Coat Paint, Sprayed, Paint Exterior Rough Wood Ceiling	1.45	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.77*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	
09 91 13 00-0178	SF	2 Coats Paint, Sprayed, Paint Exterior Rough Wood Ceiling	2.66	
		For Oil Based Paint, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.64*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.87*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.35*	
		For >100 To 250, Add	*0.66*	
		For >250 To 500, Add	*0.29*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.27*	
		For >10,000 To 20,000, Deduct	*-0.40*	
		For >20,000, Deduct	*-0.53*	

09 91 13 00-0179 Paint Exterior Metal Ceilings *(09 91 13 00-0134)*

09 91 13 00-0180 Paint Exterior Galvanized Ceilings *(09 91 13 00-0179)*
Note: Linseed oil or acrylic latex paint.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0181	SF	1 Coat Primer, Brush Work, Paint Exterior Galvanized Ceiling	1.21	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 13 00-0182	SF	1 Coat Paint, Brush Work, Paint Exterior Galvanized Ceiling	1.32	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.76*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
09 91 13 00-0183	SF	2 Coats Paint, Brush Work, Paint Exterior Galvanized Ceiling	2.44	
		For Work >15' To 20' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.67*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.92*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.37*	
		For >100 To 250, Add	*0.66*	
		For >250 To 500, Add	*0.29*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000 To 20,000, Deduct	*-0.37*	
		For >20,000, Deduct	*-0.49*	
09 91 13 00-0184	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Galvanized Ceiling	0.95	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 13 00-0185	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Galvanized Ceiling	1.05	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0186	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Galvanized Ceiling	1.88	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.69*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.03*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000, Deduct	*-0.38*	
09 91 13 00-0187	SF	1 Coat Primer, Sprayed, Paint Exterior Galvanized Ceiling	0.97	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.19*	
09 91 13 00-0188	SF	1 Coat Paint, Sprayed, Paint Exterior Galvanized Ceiling	1.08	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.55*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.22*	
09 91 13 00-0189	SF	2 Coats Paint, Sprayed, Paint Exterior Galvanized Ceiling	1.81	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.82*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.27*	
		For >20,000, Deduct	*-0.36*	

09 91 13 00-0190 Paint Exterior Aluminum And Aluminum Alloy Ceilings *(09 91 13 00-0179)*

Note: Alkyd enamel paint.

09 91 13 00-0191	SF	1 Coat Primer, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling	1.21	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0192	SF	1 Coat Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling	1.32	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.76*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
09 91 13 00-0193	SF	2 Coats Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling	2.44	
		For Work >15' To 20' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.67*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.92*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.37*	
		For >100 To 250, Add	*0.66*	
		For >250 To 500, Add	*0.29*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000 To 20,000, Deduct	*-0.37*	
		For >20,000, Deduct	*-0.49*	
09 91 13 00-0194	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling	1.07	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0195	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling	1.17	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.23*	
09 91 13 00-0196	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling	2.14	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.69*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.07*	
		For >100 To 250, Add	*0.53*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.32*	
		For >20,000, Deduct	*-0.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0197	SF	1 Coat Primer, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Ceiling	0.97	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.19*	
09 91 13 00-0198	SF	1 Coat Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Ceiling	0.97	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.19*	
09 91 13 00-0199	SF	2 Coats Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Ceiling	1.81	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.82*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.27*	
		For >20,000, Deduct	*-0.36*	

09 91 13 00-0200 Paint Exterior Corrugated Metal Ceilings *(09 91 13 00-0179)*

09 91 13 00-0201	SF	1 Coat Primer, Sprayed, Paint Exterior Corrugated Metal Ceiling	1.07	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0202	SF	1 Coat Paint, Sprayed, Paint Exterior Corrugated Metal Ceiling	1.21	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0203	SF	2 Coats Paint, Sprayed, Paint Exterior Corrugated Metal Ceiling	2.24	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.67*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.07*	
		For >100 To 250, Add	*0.53*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.34*	
		For >20,000, Deduct	*-0.45*	

09 91 13 00-0204 Paint Exterior Floors *(09 91 13)*

09 91 13 00-0205 Paint Exterior Concrete Floors *(09 91 13 00-0204)*

09 91 13 00-0206	SF	1 Coat Primer, Brush Work, Paint Exterior Concrete Floors And Decks	0.76	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.11*	
		For Up To 100, Add	*0.43*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0207	SF	1 Coat Paint, Brush Work, Paint Exterior Concrete Floors And Decks	0.82	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.10*	
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 13 00-0208	SF	2 Coats Paint, Brush Work, Paint Exterior Concrete Floors And Decks	1.54	
		For Oil Based Paint, Add	*0.10*	
		For Epoxy Paint, Add	*0.19*	
		For Up To 100, Add	*0.92*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.31*	
09 91 13 00-0209	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	0.65	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.10*	
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 13 00-0210	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	0.71	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.09*	
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 13 00-0211	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	1.20	
		For Oil Based Paint, Add	*0.08*	
		For Epoxy Paint, Add	*0.18*	
		For Up To 100, Add	*0.67*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0212	SF	1 Coat Primer, Sprayed, Paint Exterior Concrete Floors And Decks	0.55	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.11*	
		For Up To 100, Add	*0.24*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 91 13 00-0213	SF	1 Coat Paint, Sprayed, Paint Exterior Concrete Floors And Decks	0.63	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.10*	
		For Up To 100, Add	*0.33*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.13*	
09 91 13 00-0214	SF	2 Coats Paint, Sprayed, Paint Exterior Concrete Floors And Decks	1.14	
		For Oil Based Paint, Add	*0.08*	
		For Epoxy Paint, Add	*0.20*	
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 13 00-0215	SF	1 Coat Non-Slip Paint, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	2.16	
		For Up To 100, Add	*0.64*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.32*	
		For >20,000, Deduct	*-0.43*	
09 91 13 00-0216	SF	1 Coat Anti-Slip Paint, Single Component Epoxy Coating, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	5.33	
		For Up To 100, Add	*1.11*	
		For >100 To 250, Add	*0.66*	
		For >250 To 500, Add	*0.32*	
		For >2,500 To 5,000, Deduct	*-0.27*	
		For >5,000 To 10,000, Deduct	*-0.53*	
		For >10,000 To 20,000, Deduct	*-0.80*	
		For >20,000, Deduct	*-1.07*	
09 91 13 00-0217	SF	1 Coat Anti-Slip Paint, High Performance Epoxy Coating, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	6.65	
		For Up To 100, Add	*1.31*	
		For >100 To 250, Add	*0.80*	
		For >250 To 500, Add	*0.38*	
		For >2,500 To 5,000, Deduct	*-0.33*	
		For >5,000 To 10,000, Deduct	*-0.67*	
		For >10,000 To 20,000, Deduct	*-1.00*	
		For >20,000, Deduct	*-1.33*	
09 91 13 00-0218	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Floors And Decks	0.13	
		For Up To 100, Add	*0.08*	
		For >100 To 250, Add	*0.04*	
		For >250 To 500, Add	*0.02*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.01*	
		For >10,000 To 20,000, Deduct	*-0.02*	
		For >20,000, Deduct	*-0.03*	

09 91 13 00-0219 Paint Exterior Wood Floors *(09 91 13 00-0204)*

09 91 13 00-0220	SF	1 Coat Primer, Brush Work, Paint Exterior Wood Floors And Decks	0.97	
		For Oil Based Paint, Add	*0.07*	
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.19*	
09 91 13 00-0221	SF	1 Coat Paint, Brush Work, Paint Exterior Wood Floors And Decks	1.02	
		For Oil Based Paint, Add	*0.07*	
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0222	SF	2 Coats Paint, Brush Work, Paint Exterior Wood Floors And Decks	1.93	
		For Oil Based Paint, Add	*0.13*	
		For Up To 100, Add	*1.10*	
		For >100 To 250, Add	*0.53*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.39*	
09 91 13 00-0223	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Floors And Decks	0.92	
		For Oil Based Paint, Add	*0.07*	
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0224	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Floors And Decks	0.97	
		For Oil Based Paint, Add	*0.07*	
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.19*	
09 91 13 00-0225	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Floors And Decks	1.62	
		For Oil Based Paint, Add	*0.12*	
		For Up To 100, Add	*0.81*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	
09 91 13 00-0226	SF	1 Coat Primer, Sprayed, Paint Exterior Wood Floors And Decks	0.68	
		For Oil Based Paint, Add	*0.05*	
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.14*	
09 91 13 00-0227	SF	1 Coat Paint, Sprayed, Paint Exterior Wood Floors And Decks	0.82	
		For Oil Based Paint, Add	*0.06*	
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 13 00-0228	SF	2 Coats Paint, Sprayed, Paint Exterior Wood Floors And Decks	1.37	
		For Oil Based Paint, Add	*0.10*	
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.27*	
09 91 13 00-0229	SF	1 Coat Non-Slip Paint, Brush Work, Paint Exterior Wood Floors And Decks	2.27	
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.34*	
		For >20,000, Deduct	*-0.45*	
09 91 13 00-0230	SF	1 Coat Non-Slip Epoxy Paint, Brush Work, Paint Exterior Wood Floors And Decks	6.76	
		For Up To 100, Add	*1.39*	
		For >100 To 250, Add	*0.83*	
		For >250 To 500, Add	*0.40*	
		For >2,500 To 5,000, Deduct	*-0.34*	
		For >5,000 To 10,000, Deduct	*-0.68*	
		For >10,000 To 20,000, Deduct	*-1.01*	
		For >20,000, Deduct	*-1.35*	
09 91 13 00-0231	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Wood Floors And Decks	0.17	
		For Up To 100, Add	*0.10*	
		For >100 To 250, Add	*0.05*	
		For >250 To 500, Add	*0.02*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0232		**Paint Exterior Doors And Windows** *(09 91 13)*		
09 91 13 00-0233		**Paint Exterior Door Frames** *(09 91 13 00-0232)*		
09 91 13 00-0234	LF	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Door Frame And Trim	1.18	
		For Painting Either Interior Or Exterior Only, Deduct	*-0.32*	
09 91 13 00-0235	LF	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Door Frame And Trim	1.51	
		For Painting Either Interior Or Exterior Only, Deduct	*-0.40*	
09 91 13 00-0236	LF	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Door Frame And Trim	2.54	
		For Painting Either Interior Or Exterior Only, Deduct	*-0.68*	
09 91 13 00-0237	LF	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Door Frame And Trim	1.19	
		For Painting Either Interior Or Exterior Only, Deduct	*-0.32*	
09 91 13 00-0238	LF	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door Frame And Trim	1.52	
		For Painting Either Interior Or Exterior Only, Deduct	*-0.41*	
09 91 13 00-0239	LF	2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Door Frame And Trim	2.55	
		For Painting Either Interior Or Exterior Only, Deduct	*-0.68*	
09 91 13 00-0240		**Paint Exterior Metal Doors** *(09 91 13 00-0232)*		
09 91 13 00-0241	EA	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Door	56.48	
		Note: One face		
		For Half Louvered Door, Add	*4.55*	
		For Full Louvered Door, Add	*7.58*	
		For Electrostatic Painting, Add	*9.58*	
		For >5 To 10, Deduct	*-2.82*	
		For >10 To 25, Deduct	*-5.65*	
		For >25, Deduct	*-8.47*	
09 91 13 00-0242	EA	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door	56.48	
		Note: One face		
		For Half Louvered Door, Add	*4.55*	
		For Full Louvered Door, Add	*7.58*	
		For Electrostatic Painting, Add	*9.58*	
		For >5 To 10, Deduct	*-2.82*	
		For >10 To 25, Deduct	*-5.65*	
		For >25, Deduct	*-8.47*	
09 91 13 00-0243	EA	2 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door	103.21	
		Note: One face		
		For Half Louvered Door, Add	*7.68*	
		For Full Louvered Door, Add	*12.79*	
		For Electrostatic Painting, Add	*18.13*	
		For >5 To 10, Deduct	*-5.16*	
		For >10 To 25, Deduct	*-10.32*	
		For >25, Deduct	*-15.48*	
09 91 13 00-0244	EA	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Door	101.37	
		Note: Both faces		
		For Half Louvered Door, Add	*8.15*	
		For Full Louvered Door, Add	*13.58*	
		For Electrostatic Painting, Add	*17.19*	
		For >5 To 10, Deduct	*-5.07*	
		For >10 To 25, Deduct	*-10.14*	
		For >25, Deduct	*-15.21*	
09 91 13 00-0245	EA	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door	101.37	
		Note: Both faces		
		For Half Louvered Door, Add	*8.15*	
		For Full Louvered Door, Add	*13.58*	
		For Electrostatic Painting, Add	*17.19*	
		For >5 To 10, Deduct	*-5.07*	
		For >10 To 25, Deduct	*-10.14*	
		For >25, Deduct	*-15.21*	
09 91 13 00-0246	EA	2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Door	186.01	
		Note: Both faces		
		For Half Louvered Door, Add	*13.79*	
		For Full Louvered Door, Add	*22.98*	
		For Electrostatic Painting, Add	*32.72*	
		For >5 To 10, Deduct	*-9.30*	
		For >10 To 25, Deduct	*-18.60*	
		For >25, Deduct	*-27.90*	
09 91 13 00-0247	EA	1 Coat Primer, Sprayed, Paint Exterior Metal Door	54.26	
		Note: One face		
		For Half Louvered Door, Add	*3.82*	
		For Full Louvered Door, Add	*6.37*	
		For Electrostatic Painting, Add	*9.75*	
		For >5 To 10, Deduct	*-2.71*	
		For >10 To 25, Deduct	*-5.43*	
		For >25, Deduct	*-8.14*	
09 91 13 00-0248	EA	1 Coat Paint, Sprayed, Paint Exterior Metal Door	54.26	
		Note: One face		
		For Half Louvered Door, Add	*3.82*	
		For Full Louvered Door, Add	*6.37*	
		For Electrostatic Painting, Add	*9.75*	
		For >5 To 10, Deduct	*-2.71*	
		For >10 To 25, Deduct	*-5.43*	
		For >25, Deduct	*-8.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0249	EA	2 Coats Paint, Sprayed, Paint Exterior Metal Door Note: One face	100.23	
		For Half Louvered Door, Add	*6.45*	
		For Full Louvered Door, Add	*10.75*	
		For Electrostatic Painting, Add	*18.61*	
		For >5 To 10, Deduct	*-5.01*	
		For >10 To 25, Deduct	*-10.02*	
		For >25, Deduct	*-15.03*	
09 91 13 00-0250	EA	1 Coat Primer, Sprayed, Paint Exterior Metal Door Note: Both faces	97.41	
		For Half Louvered Door, Add	*6.85*	
		For Full Louvered Door, Add	*11.41*	
		For Electrostatic Painting, Add	*17.51*	
		For >5 To 10, Deduct	*-4.87*	
		For >10 To 25, Deduct	*-9.74*	
		For >25, Deduct	*-14.61*	
09 91 13 00-0251	EA	1 Coat Paint, Sprayed, Paint Exterior Metal Door Note: Both faces	97.41	
		For Half Louvered Door, Add	*6.85*	
		For Full Louvered Door, Add	*11.41*	
		For Electrostatic Painting, Add	*17.51*	
		For >5 To 10, Deduct	*-4.87*	
		For >10 To 25, Deduct	*-9.74*	
		For >25, Deduct	*-14.61*	
09 91 13 00-0252	EA	2 Coats Paint, Sprayed, Paint Exterior Metal Door Note: Both faces	180.76	
		For Half Louvered Door, Add	*11.59*	
		For Full Louvered Door, Add	*19.31*	
		For Electrostatic Painting, Add	*33.60*	
		For >5 To 10, Deduct	*-9.04*	
		For >10 To 25, Deduct	*-18.08*	
		For >25, Deduct	*-27.11*	
09 91 13 00-0253	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door	2.51	
		For Electrostatic Painting, Add	*0.32*	
09 91 13 00-0254	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door	2.68	
		For Electrostatic Painting, Add	*0.36*	
09 91 13 00-0255	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Overhead, Section Door, Or Roll Up Door	5.47	
		For Electrostatic Painting, Add	*0.71*	
09 91 13 00-0256	SF	1 Coat Primer, Sprayed, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door	2.83	
		For Electrostatic Painting, Add	*0.35*	
09 91 13 00-0257	SF	1 Coat Paint, Sprayed, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door	3.00	
		For Electrostatic Painting, Add	*0.39*	
09 91 13 00-0258	SF	2 Coats Paint, Sprayed, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door	5.81	
		For Electrostatic Painting, Add	*0.76*	

09 91 13 00-0259 Paint Exterior Wood Doors *(09 91 13 00-0232)*

09 91 13 00-0260	EA	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Door Note: One face	53.23	
		For Half Louvered Door, Add	*4.55*	
		For Full Louvered Door, Add	*7.58*	
		For >5 To 10, Deduct	*-2.66*	
		For >10 To 25, Deduct	*-5.32*	
		For >25, Deduct	*-7.98*	
09 91 13 00-0261	EA	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Door Note: One face	53.23	
		For Half Louvered Door, Add	*4.55*	
		For Full Louvered Door, Add	*7.58*	
		For >5 To 10, Deduct	*-2.66*	
		For >10 To 25, Deduct	*-5.32*	
		For >25, Deduct	*-7.98*	
09 91 13 00-0262	EA	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Door Note: One face	96.74	
		For Half Louvered Door, Add	*7.68*	
		For Full Louvered Door, Add	*12.79*	
		For >5 To 10, Deduct	*-4.84*	
		For >10 To 25, Deduct	*-9.67*	
		For >25, Deduct	*-14.51*	
09 91 13 00-0263	EA	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Door Note: Both faces	95.52	
		For Half Louvered Door, Add	*8.15*	
		For Full Louvered Door, Add	*13.58*	
		For >5 To 10, Deduct	*-4.78*	
		For >10 To 25, Deduct	*-9.55*	
		For >25, Deduct	*-14.33*	
09 91 13 00-0264	EA	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Door Note: Both faces	95.52	
		For Half Louvered Door, Add	*8.15*	
		For Full Louvered Door, Add	*13.58*	
		For >5 To 10, Deduct	*-4.78*	
		For >10 To 25, Deduct	*-9.55*	
		For >25, Deduct	*-14.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0265	EA	2 Coats Paint, Brush Roller Work, Paint Exterior Wood Door	174.31	
		Note: Both faces		
		For Half Louvered Door, Add	*13.79*	
		For Full Louvered Door, Add	*22.98*	
		For >5 To 10, Deduct	*-8.72*	
		For >10 To 25, Deduct	*-17.43*	
		For >25, Deduct	*-26.15*	
09 91 13 00-0266	EA	1 Coat Primer, Sprayed, Paint Exterior Wood Door	50.68	
		Note: One face		
		For Half Louvered Door, Add	*3.82*	
		For Full Louvered Door, Add	*6.37*	
		For >5 To 10, Deduct	*-2.53*	
		For >10 To 25, Deduct	*-5.07*	
		For >25, Deduct	*-7.60*	
09 91 13 00-0267	EA	1 Coat Paint, Sprayed, Paint Exterior Wood Door	50.68	
		Note: One face		
		For Half Louvered Door, Add	*3.82*	
		For Full Louvered Door, Add	*6.37*	
		For >5 To 10, Deduct	*-2.53*	
		For >10 To 25, Deduct	*-5.07*	
		For >25, Deduct	*-7.60*	
09 91 13 00-0268	EA	2 Coats Paint, Sprayed, Paint Exterior Wood Door	93.14	
		Note: One face		
		For Half Louvered Door, Add	*6.45*	
		For Full Louvered Door, Add	*10.76*	
		For >5 To 10, Deduct	*-4.66*	
		For >10 To 25, Deduct	*-9.31*	
		For >25, Deduct	*-13.97*	
09 91 13 00-0269	EA	1 Coat Primer, Sprayed, Paint Exterior Wood Door	90.97	
		Note: Both faces		
		For Half Louvered Door, Add	*6.85*	
		For Full Louvered Door, Add	*11.41*	
		For >5 To 10, Deduct	*-4.55*	
		For >10 To 25, Deduct	*-9.10*	
		For >25, Deduct	*-13.65*	
09 91 13 00-0270	EA	1 Coat Paint, Sprayed, Paint Exterior Wood Door	90.97	
		Note: Both faces		
		For Half Louvered Door, Add	*6.85*	
		For Full Louvered Door, Add	*11.41*	
		For >5 To 10, Deduct	*-4.55*	
		For >10 To 25, Deduct	*-9.10*	
		For >25, Deduct	*-13.65*	
09 91 13 00-0271	EA	2 Coats Paint, Sprayed, Paint Exterior Wood Door	167.89	
		Note: Both faces		
		For Half Louvered Door, Add	*11.59*	
		For Full Louvered Door, Add	*19.31*	
		For >5 To 10, Deduct	*-8.39*	
		For >10 To 25, Deduct	*-16.79*	
		For >25, Deduct	*-25.18*	
09 91 13 00-0272	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	2.48	
09 91 13 00-0273	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	2.60	
09 91 13 00-0274	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	5.33	
09 91 13 00-0275	SF	1 Coat Primer, Sprayed, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	2.78	
09 91 13 00-0276	SF	1 Coat Paint, Sprayed, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	2.92	
09 91 13 00-0277	SF	2 Coats Paint, Sprayed, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	5.67	

09 91 13 00-0278 Paint Exterior Metal Windows *(09 91 13 00-0232)*

Note: Two finish coats paint over rust inhibitive primer.

09 91 13 00-0279	EA	Up To 8 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim	85.30	
		For Electrostatic Painting, Add	*11.14*	
		For >5 To 10, Deduct	*-4.27*	
		For >10 To 25, Deduct	*-8.53*	
		For >25, Deduct	*-12.80*	
09 91 13 00-0280	EA	>8 To 14 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim	105.22	
		For Electrostatic Painting, Add	*14.55*	
		For >5 To 10, Deduct	*-5.26*	
		For >10 To 25, Deduct	*-10.52*	
		For >25, Deduct	*-15.78*	
09 91 13 00-0281	EA	>14 To 20 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim	142.63	
		For Electrostatic Painting, Add	*19.99*	
		For >5 To 10, Deduct	*-7.13*	
		For >10 To 25, Deduct	*-14.26*	
		For >25, Deduct	*-21.39*	
09 91 13 00-0282	EA	>20 To 26 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim	160.68	
		For Electrostatic Painting, Add	*22.54*	
		For >5 To 10, Deduct	*-8.03*	
		For >10 To 25, Deduct	*-16.07*	
		For >25, Deduct	*-24.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0283	EA	>26 To 34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim	178.05	
		For Electrostatic Painting, Add	*24.92*	
		For >5 To 10, Deduct	*-8.90*	
		For >10 To 25, Deduct	*-17.81*	
		For >25, Deduct	*-26.71*	
09 91 13 00-0284	SF	>34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim	5.64	
		For Electrostatic Painting, Add	*0.79*	

09 91 13 00-0285 Paint Exterior Wood Windows *(09 91 13 00-0232)*

Note: Two finish coats paint over primer.

09 91 13 00-0286	EA	Up To 8 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	83.14	
		For >5 To 10, Deduct	*-4.16*	
		For >10 To 25, Deduct	*-8.31*	
		For >25, Deduct	*-12.47*	
09 91 13 00-0287	EA	>8 To 14 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	101.88	
		For >5 To 10, Deduct	*-5.09*	
		For >10 To 25, Deduct	*-10.19*	
		For >25, Deduct	*-15.28*	
09 91 13 00-0288	EA	>14 To 20 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	137.89	
		For >5 To 10, Deduct	*-6.89*	
		For >10 To 25, Deduct	*-13.79*	
		For >25, Deduct	*-20.68*	
09 91 13 00-0289	EA	>20 To 26 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	155.32	
		For >5 To 10, Deduct	*-7.77*	
		For >10 To 25, Deduct	*-15.53*	
		For >25, Deduct	*-23.30*	
09 91 13 00-0290	EA	>26 To 34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	172.15	
		For >5 To 10, Deduct	*-8.61*	
		For >10 To 25, Deduct	*-17.22*	
		For >25, Deduct	*-25.82*	
09 91 13 00-0291	SF	>34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	5.73	

09 91 13 00-0292 Paint Exterior Security Screens *(09 91 13 00-0232)*

09 91 13 00-0293	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Security Screen	1.51	
		For Electrostatic Painting, Add	*0.21*	
09 91 13 00-0294	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Security Screen	1.51	
		For Electrostatic Painting, Add	*0.19*	
09 91 13 00-0295	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Security Screen	2.50	
		For Electrostatic Painting, Add	*0.33*	

09 91 13 00-0296 Paint Exterior Window Guards *(09 91 13 00-0232)*

09 91 13 00-0297	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Window Guards	1.51	
09 91 13 00-0298	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Window Guards	1.51	
09 91 13 00-0299	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Window Guards	2.50	

09 91 13 00-0300 Paint Exterior Window Trim *(09 91 13 00-0232)*

09 91 13 00-0301	LF	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Window Frame And Trim	1.41	
09 91 13 00-0302	LF	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Window Frame And Trim	1.41	
09 91 13 00-0303	LF	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Window Frame And Trim	2.33	
09 91 13 00-0304	LF	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Window Frame And Trim	1.63	
09 91 13 00-0305	LF	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Window Frame And Trim	1.63	
09 91 13 00-0306	LF	2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Window Frame And Trim	2.79	

09 91 13 00-0307 Paint Exterior Roofing And Trim *(09 91 13)*

09 91 13 00-0308 Paint Stain Or Seal Wood Roofing *(09 91 13 00-0307)*

09 91 13 00-0309	SF	1 Coat Paint, Brush/Roller Work, Stain And Seal Shingles/Shake	2.13	
		For Up To 100, Add	*0.99*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.22*	
09 91 13 00-0310	SF	2 Coats Stain, Brush/Roller Work, Stain And Seal Shingles/Shake	3.94	
		For Up To 100, Add	*1.79*	
		For >100 To 250, Add	*0.89*	
		For >250 To 500, Add	*0.40*	

09 91 13 00-0311 Paint Metal Roofing *(09 91 13 00-0307)*

09 91 13 00-0312	SF	1 Coat Paint, Brush/Roller Work, Paint Metal Roofing	0.94	
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0313	SF	2 Coats Paint, Brush/Roller Work, Paint Metal Roofing	1.63	
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
09 91 13 00-0314	SF	1 Coat Epoxy Polyamide Cured Resin Primer, Sprayed, Paint Metal Roof	0.92	
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
09 91 13 00-0315	SF	1 Coat Aliphatic Polyurethane, Sprayed, Paint Metal Roof	0.90	
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
09 91 13 00-0316		**Paint Fascia Board** *(09 91 13 00-0307)*		
09 91 13 00-0317	LF	1 Coat Primer, Brush/Roller Work, Paint Fascia Board	0.88	
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
09 91 13 00-0318	LF	1 Coat Paint, Brush/Roller Work, Paint Fascia Board	0.88	
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
09 91 13 00-0319	LF	2 Coats Paint, Brush/Roller Work, Paint Fascia Board	1.53	
		For Up To 100, Add	*0.71*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.16*	
09 91 13 00-0320		**Paint Soffit** *(09 91 13 00-0307)*		
09 91 13 00-0321	SF	1 Coat Primer, Brush/Roller Work, Paint Soffit	1.07	
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
09 91 13 00-0322	SF	1 Coat Paint, Brush/Roller Work, Paint Soffit	1.07	
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
09 91 13 00-0323	SF	2 Coats Paint, Brush/Roller Work, Paint Soffit	1.82	
		For Up To 100, Add	*0.75*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	
09 91 13 00-0324		**Special Coatings For Metal Roofs** *(09 91 13 00-0307)*		
09 91 13 00-0325	SF	Carboline Carboxane 950 Coating System With 15 year warranty	12.01	
09 91 13 00-0326	SF	Carboline Carbothane 134HG Coating System With 1 year warranty	7.35	
09 91 13 00-0327		**Acrylic Elastomeric Coating For All Types Of Roofs** *(09 91 13 00-0307)*		
09 91 13 00-0328	SF	2 Coats (20 Mil), Cool Roof Acrylic Elastomeric Roof Coating	2.23	
		For Each Coat Of Primer, Add	*0.48*	
09 91 13 00-0329	SF	2 Coats, Energy-Armor Ultra SunWhite Ultra Premium Acrylic Elastomeric Roof Coating (ICP APOC® AP-252)	3.13	
09 91 13 00-0330		**Elastomeric Coating For All Types Of Roofs** *(09 91 13 00-0307)*		
09 91 13 00-0331	SF	1 Coat, White Elastomeric Lquid Silicone Roof Membrane Coating (ICP APOC® Armor Flex® AP-585) Note: Per Coat	3.82	
09 91 13 00-0332		**Acrylic Latex Elastomeric Coating For All Types Of Roofs** *(09 91 13 00-0307)* Note: (Henry)		
09 91 13 00-0333	SF	1 Coat, Premium Gray Elastomeric Roof Base Coating (Henry 291)	1.37	
09 91 13 00-0334	SF	1 Coat, White Acrylic Latex Roof Coating (Henry 280DC)	1.24	
09 91 13 00-0335	SF	1 Coat, White Elastomeric Roof Coating (Henry SolarFlex 287)	1.09	
09 91 13 00-0336		**Acrylic Coating For All Types Of Roofs** *(09 91 13 00-0307)* Note: (GAF)		
09 91 13 00-0337	SF	1 Coat, Water Based, Acrylic Elastomeric Roof Base Coating (GAF Roof Mate™ Base Coat)	1.07	
09 91 13 00-0338	SF	1 Coat, Water Based, Acrylic Elastomeric Roof Top Coating (GAF Roof Mate™ Top Coat)	1.24	
09 91 13 00-0339		**Paint Metal Surfaces** *(09 91 13)* Note: Tasks can be used for exterior or interior applications.		
09 91 13 00-0340		**Paint Structural Steel** *(09 91 13 00-0339)*		
09 91 13 00-0341		**Paint Structural Steel, Brush Work** *(09 91 13 00-0340)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0342	SF	1 Field Coat Primer, Brush/Roller Work, Paint Exterior Structural Steel	1.03	
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For Epoxy Paint, Add	*0.13*	
09 91 13 00-0343	SF	1 Field Coat Paint, Brush/Roller Work, Paint Exterior Structural Steel	0.92	
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For Epoxy Paint, Add	*0.12*	

09 91 13 00-0344 Paint Structural Steel, Spray Work *(09 91 13 00-0340)*

09 91 13 00-0345	SF	1 Field Coat Primer, Sprayed, Paint Exterior Structural Steel	0.79	
		For Electrostatic Painting, Add	*0.12*	
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For Epoxy Paint, Add	*0.11*	
09 91 13 00-0346	SF	1 Field Coat Paint, Sprayed, Paint Exterior Structural Steel	0.66	
		For Electrostatic Painting, Add	*0.10*	
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For Epoxy Paint, Add	*0.11*	

09 91 13 00-0347 Paint Metal Decking, Beams And Bar Joist *(09 91 13 00-0340)*

09 91 13 00-0348	SF	1 Coat Primer, Sprayed, Paint Exposed Metal Decking	0.88	
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For Epoxy Paint, Add	*0.12*	
09 91 13 00-0349	SF	1 Coat Paint, Sprayed, Paint Exposed Metal Decking	0.88	
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For Epoxy Paint, Add	*0.12*	
09 91 13 00-0350	SF	2 Coats Paint, Sprayed, Paint Exposed Metal Decking	1.51	
		For Up To 100, Add	*0.83*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.18*	
		For Epoxy Paint, Add	*0.23*	
09 91 13 00-0351	SF	1 Coat Primer, Brush/Roller Work, Paint Metal Beams And Bar Joists	1.29	
		For Up To 100, Add	*0.67*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For Epoxy Paint, Add	*0.21*	
09 91 13 00-0352	SF	1 Coat Paint, Brush/Roller Work, Paint Metal Beams And Bar Joists	1.24	
		For Up To 100, Add	*0.67*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For Epoxy Paint, Add	*0.19*	
09 91 13 00-0353	SF	2 Coats Paint, Brush/Roller Work, Paint Metal Beams And Bar Joists	2.36	
		For Up To 100, Add	*1.25*	
		For >100 To 250, Add	*0.61*	
		For >250 To 500, Add	*0.27*	
		For Epoxy Paint, Add	*0.38*	
09 91 13 00-0354	SF	1 Coat Primer, Sprayed, Paint Metal Beams And Bar Joists	1.11	
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For Epoxy Paint, Add	*0.17*	
09 91 13 00-0355	SF	1 Coat Paint, Sprayed, Paint Metal Beams And Bar Joists	1.11	
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For Epoxy Paint, Add	*0.17*	
09 91 13 00-0356	SF	2 Coats Paint, Sprayed, Paint Metal Beams And Bar Joists	1.89	
		For Up To 100, Add	*0.97*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
		For Epoxy Paint, Add	*0.32*	

09 91 13 00-0357 Paint Steel Pipes *(09 91 13 00-0339)*

Note: Includes pipe, tubes, rails, conduit, etc.

09 91 13 00-0358	LF	1 Coat Primer, 1/2" To 1-1/2" Diameter, Paint Conduit Or Steel Pipe	1.69	
		For Electrostatic Painting, Add	*0.23*	
		For Epoxy Paint, Add	*0.20*	
09 91 13 00-0359	LF	1 Coat Primer, 2" To 3-1/2" Diameter, Paint Conduit Or Steel Pipe	1.89	
		For Electrostatic Painting, Add	*0.26*	
		For Epoxy Paint, Add	*0.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0360	LF	1 Coat Primer, 4" Diameter, Paint Steel Pipes	2.13	
		For Electrostatic Painting, Add	*0.29*	
		For Epoxy Paint, Add	*0.26*	
09 91 13 00-0361	LF	1 Coat Primer, 6" To 8" Diameter, Paint Steel Pipes	2.66	
		For Electrostatic Painting, Add	*0.36*	
		For Epoxy Paint, Add	*0.32*	
09 91 13 00-0362	LF	1 Coat Primer, 10" To 12" Diameter, Paint Steel Pipes	3.37	
		For Electrostatic Painting, Add	*0.45*	
		For Epoxy Paint, Add	*0.40*	
09 91 13 00-0363	LF	1 Coat Paint, 1/2"To 1-1/2" Diameter, Paint Conduit Or Steel Pipe	1.69	
		For Electrostatic Painting, Add	*0.23*	
		For Epoxy Paint, Add	*0.20*	
09 91 13 00-0364	LF	1 Coat Paint, 2" To 3-1/2" Diameter, Paint Conduit Or Steel Pipe	1.89	
		For Electrostatic Painting, Add	*0.26*	
		For Epoxy Paint, Add	*0.23*	
09 91 13 00-0365	LF	1 Coat Paint, 4" Diameter, Paint Steel Pipes	2.13	
		For Electrostatic Painting, Add	*0.29*	
		For Epoxy Paint, Add	*0.26*	
09 91 13 00-0366	LF	1 Coat Paint, 6" To 8" Diameter, Paint Steel Pipes	2.66	
		For Electrostatic Painting, Add	*0.36*	
		For Epoxy Paint, Add	*0.32*	
09 91 13 00-0367	LF	1 Coat Paint, 10" To 12" Diameter, Paint Steel Pipes	3.37	
		For Electrostatic Painting, Add	*0.45*	
		For Epoxy Paint, Add	*0.40*	
09 91 13 00-0368	LF	2 Coats Paint, 1/2" To 1-1/2" Diameter, Paint Conduit Or Steel Pipe	3.49	
		For Electrostatic Painting, Add	*0.50*	
		For Epoxy Paint, Add	*0.47*	
09 91 13 00-0369	LF	2 Coats Paint, 2" To 3-1/2" Diameter, Paint Conduit Or Steel Pipe	3.79	
		For Electrostatic Painting, Add	*0.51*	
		For Epoxy Paint, Add	*0.46*	
09 91 13 00-0370	LF	2 Coats Paint, 4" Diameter, Paint Steel Pipes	4.11	
		For Electrostatic Painting, Add	*0.56*	
		For Epoxy Paint, Add	*0.51*	
09 91 13 00-0371	LF	2 Coats Paint, 6" To 8" Diameter, Paint Steel Pipes	5.18	
		For Electrostatic Painting, Add	*0.70*	
		For Epoxy Paint, Add	*0.63*	
09 91 13 00-0372	LF	2 Coats Paint, 10" To 12" Diameter, Paint Steel Pipes	6.38	
		For Electrostatic Painting, Add	*0.87*	
		For Epoxy Paint, Add	*0.78*	
09 91 13 00-0373	EA	1 Coat Paint, Paint Exposed Single Or Double Gang Outlet Box	7.91	
		For Electrostatic Painting, Add	*0.85*	
		For Epoxy Paint, Add	*0.51*	
09 91 13 00-0374		**Paint Metal Louvers** *(09 91 13 00-0339)*		
09 91 13 00-0375	SF	1 Coat Primer, Brush/Roller Work, Paint Ventilation Louver, SF Of Opening Area	1.39	
		For Electrostatic Painting, Add	*0.17*	
09 91 13 00-0376	SF	1 Coat Alkyd Paint, Brush/Roller Work, Paint Ventilation Louver, SF Of Opening Area	1.42	
		For Electrostatic Painting, Add	*0.18*	
09 91 13 00-0377	SF	2 Coats Alkyd Paint, Brush/Roller Work, Paint Ventilation Louver, SF Of Opening Area	2.93	
		For Electrostatic Painting, Add	*0.38*	
09 91 13 00-0378		**Paint Ladders** *(09 91 13 00-0339)*		
09 91 13 00-0379	LF	1 Coat Alkyd Primer, Brush/Roller Work, Paint Ladders	3.72	
		For Epoxy Paint, Add	*0.24*	
09 91 13 00-0380	LF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Ladders	4.15	
		For Epoxy Paint, Add	*0.26*	
09 91 13 00-0381	LF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Ladders	8.14	
		For Epoxy Paint, Add	*0.48*	
09 91 13 00-0382		**Paint Handrails** *(09 91 13 00-0339)*		
09 91 13 00-0383	LF	1 Coat Alkyd Primer, Brush/Roller Work, 1 Rail, Paint Hand Rail And Bracket	1.51	
		For Epoxy Paint, Add	*0.13*	
09 91 13 00-0384	LF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Hand Rail And Bracket	1.67	
		For Epoxy Paint, Add	*0.14*	
09 91 13 00-0385	LF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Hand Rail And Bracket	2.72	
		For Epoxy Paint, Add	*0.19*	
09 91 13 00-0386	LF	1 Coat Alkyd Primer, Brush/Roller Work, 1 Rail, Paint Pipe Rail And Pickets	2.90	
		For Epoxy Paint, Add	*0.41*	
09 91 13 00-0387	LF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Pipe Rail And Pickets	3.15	
		For Epoxy Paint, Add	*0.42*	
09 91 13 00-0388	LF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Pipe Rail And Pickets	5.36	
		For Epoxy Paint, Add	*0.67*	
09 91 13 00-0389	LF	1 Coat Alkyd Primer, Brush/Roller Work, 2 Rails, Paint Pipe Rail And Pickets	3.10	
		For Epoxy Paint, Add	*0.42*	
09 91 13 00-0390	LF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, 2 Rails, Paint Pipe Rail And Pickets	3.38	
		For Epoxy Paint, Add	*0.44*	
09 91 13 00-0391	LF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, 2 Rails, Paint Pipe Rail And Pickets	5.66	
		For Epoxy Paint, Add	*0.69*	
09 91 13 00-0392	LF	1 Coat Alkyd Primer, Brush/Roller Work, Paint Balustrades	1.72	
		For Epoxy Paint, Add	*0.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0393	LF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Balustrades	1.87	
		For Epoxy Paint, Add	*0.23*	
09 91 13 00-0394	LF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Balustrades	3.45	
		For Epoxy Paint, Add	*0.44*	
09 91 13 00-0395		**Paint Grating** *(09 91 13 00-0339)*		
09 91 13 00-0396	SF	1 Coat Primer, Brush/Roller Work, Paint Gratings And Frames	2.72	
		For Epoxy Paint, Add	*0.19*	
09 91 13 00-0397	SF	1 Coat Paint, Brush/Roller Work, Paint Gratings And Frames	2.78	
		For Epoxy Paint, Add	*0.21*	
09 91 13 00-0398	SF	2 Coats Paint, Brush/Roller Work, Paint Gratings And Frames	4.20	
		For Epoxy Paint, Add	*0.36*	
09 91 13 00-0399		**Equipment And Tanks** *(09 91 13 00-0339)*		
09 91 13 00-0400		**Paint Valves** *(09 91 13 00-0399)*		
		Note: Includes 1 coat primer and 1 coat paint finish		
09 91 13 00-0401	EA	Prime And Paint 4" And Smaller Valve	29.63	
09 91 13 00-0402	EA	Prime And Paint 6" To 10" Valve	36.53	
09 91 13 00-0403	EA	Prime And Paint 12" To 18" Valve	47.89	
09 91 13 00-0404	EA	Prime And Paint 20" To 24" Valve	63.70	
09 91 13 00-0405	EA	Prime And Paint >24" To 36" Valve	86.42	
09 91 13 00-0406	EA	Prime And Paint >36" To 48" Valve	118.49	
09 91 13 00-0407		**Paint Pumps And Motors** *(09 91 13 00-0399)*		
		Note: Includes 1 coat primer and 1 coat paint finish		
09 91 13 00-0408	EA	Prime And Paint Pump Under 1 HP	91.33	
09 91 13 00-0409	EA	Prime And Paint Pump, 1 HP To 5 HP	121.43	
09 91 13 00-0410	EA	Prime And Paint Pump, >5 HP To 10 HP	147.08	
09 91 13 00-0411	EA	Prime And Paint Pump, >10 HP To 20 HP	165.82	
09 91 13 00-0412	EA	Prime And Paint Pump, >20 HP To 30 HP	193.45	
09 91 13 00-0413	EA	Prime And Paint Pump, >30 HP To 50 HP	221.08	
09 91 13 00-0414	EA	Prime And Paint Pump, >50 HP To 75 HP	244.27	
09 91 13 00-0415	EA	Prime And Paint Pump, >75 HP	276.36	
09 91 13 00-0416		**Paint Storage Tanks** *(09 91 13 00-0399)*		
09 91 13 00-0417	SF	1 Coat Primer, Roller, Paint Storage Tank, Exterior Surface	1.18	
09 91 13 00-0418	SF	1 Coat Paint, Roller, Paint Storage Tank, Exterior Surface	1.58	
09 91 13 00-0419	SF	2 Coats Paint, Roller, Paint Storage Tank, Exterior Surface	3.03	
09 91 13 00-0420	SF	1 Coat Primer, Roller, Paint Storage Tank, Interior Surface	1.55	
09 91 13 00-0421	SF	1 Coat Paint, Roller, Paint Storage Tank, Interior Surface	2.00	
09 91 13 00-0422	SF	2 Coats Paint, Roller, Paint Storage Tank, Interior Surface	3.86	
09 91 13 00-0423	SF	1 Coat Primer, Sprayed, Paint Storage Tank, Exterior Surface	1.29	
09 91 13 00-0424	SF	1 Coat Paint, Sprayed, Paint Storage Tank, Exterior Surface	1.62	
09 91 13 00-0425	SF	2 Coats Paint, Sprayed, Paint Storage Tank, Exterior Surface	3.15	
09 91 13 00-0426	SF	1 Coat Primer, Sprayed, Paint Storage Tank, Interior Surface	1.46	
09 91 13 00-0427	SF	1 Coat Paint, Sprayed, Paint Storage Tank, Interior Surface	1.96	
09 91 13 00-0428	SF	2 Coats Paint, Sprayed, Paint Storage Tank, Interior Surface	3.80	
09 91 13 00-0429		**Other Site Work Painting** *(09 91 13)*		
09 91 13 00-0430		**Paint Fencing** *(09 91 13 00-0429)*		
		Note: Per side of fence. Based on gross fence area (length of fence x height of fence).		
09 91 13 00-0431	SF	1 Coat Paint, Brush/Roller, Paint Existing Chain Link Fence	0.85	
		For Epoxy Paint, Add	*0.11*	
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
09 91 13 00-0432	SF	2 Coats Paint, Brush/Roller, Paint Existing Chain Link Fence	1.60	
		For Epoxy Paint, Add	*0.21*	
		For Up To 100, Add	*0.94*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.20*	
09 91 13 00-0433	SF	1 Coat Paint, Sprayed, Paint Existing Chain Link Fence	0.81	
		For Epoxy Paint, Add	*0.12*	
		For Electrostatic Painting, Add	*0.12*	
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
09 91 13 00-0434	SF	2 Coats Paint, Sprayed, Paint Existing Chain Link Fence	1.51	
		For Epoxy Paint, Add	*0.24*	
		For Electrostatic Painting, Add	*0.23*	
		For Up To 100, Add	*0.80*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0435	SF	1 Coat Primer, Brush/Roller, Paint Wrought Iron Fence	0.80	
		For Epoxy Paint, Add	*0.12*	
		For Up To 100, Add	*0.43*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
09 91 13 00-0436	SF	1 Coat Paint, Brush/Roller, Paint Wrought Iron Fence	0.74	
		For Epoxy Paint, Add	*0.10*	
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
09 91 13 00-0437	SF	Each Additional Coat, Brush/Roller, Paint Wrought Iron Fence	0.55	
		For Epoxy Paint, Add	*0.09*	
		For Up To 100, Add	*0.28*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	
09 91 13 00-0438	SF	1 Coat Primer, Brush/Roller, Paint Picket Fence	0.98	
		For Epoxy Paint, Add	*0.09*	
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.13*	
09 91 13 00-0439	SF	1 Coat Paint, Brush/Roller, Paint Picket Fence	0.98	
		For Epoxy Paint, Add	*0.09*	
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.13*	
09 91 13 00-0440	SF	Each Additional Coat, Brush/Roller, Paint Picket Fence	0.72	
		For Epoxy Paint, Add	*0.08*	
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
09 91 13 00-0441	SF	1 Coat Paint, Brush/Roller, Paint Wood Fences	0.76	
		For Up To 100, Add	*0.43*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
09 91 13 00-0442	SF	2 Coats Paint, Brush/Roller, Paint Wood Fences	1.38	
		For Up To 100, Add	*0.75*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
09 91 13 00-0443	SF	1 Coat Paint, Sprayed, Paint Wood Fences	0.63	
		For Up To 100, Add	*0.33*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
09 91 13 00-0444	SF	2 Coats Paint, Sprayed, Paint Wood Fences	1.19	
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	

09 91 13 00-0445 Paint Shutters Or Blinds, Solid Panel *(09 91 13 00-0429)*

09 91 13 00-0446	SF	1 Coat Primer, Brush Work, Paint Shutter Or Blinds, Solid Panel	2.96	
09 91 13 00-0447	SF	1 Coat Paint, Brush Work, Paint Shutter Or Blinds, Solid Panel	2.97	
09 91 13 00-0448	SF	2 Coats Paint, Brush Work, Paint Shutter Or Blinds, Solid Panel	5.30	
09 91 13 00-0449	SF	1 Coat Primer, Sprayed, Paint Shutter Or Blinds, Solid Panel	1.92	
09 91 13 00-0450	SF	1 Coat Paint, Sprayed, Paint Shutter Or Blinds, Solid Panel	1.94	
09 91 13 00-0451	SF	2 Coats Paint, Sprayed, Paint Shutter Or Blinds, Solid Panel	3.61	

09 91 13 00-0452 Paint Shutters Or Blinds, Louvered Panel *(09 91 13 00-0429)*

09 91 13 00-0453	SF	1 Coat Primer, Brush Work, Paint Shutter Or Blinds, Louvered Panel	3.64	
09 91 13 00-0454	SF	1 Coat Paint, Brush Work, Paint Shutter Or Blinds, Louvered Panel	3.65	
09 91 13 00-0455	SF	2 Coats Paint, Brush Work, Paint Shutter Or Blinds, Louvered Panel	6.51	
09 91 13 00-0456	SF	1 Coat Primer, Sprayed, Paint Shutter Or Blinds, Louvered Panel	2.32	
09 91 13 00-0457	SF	1 Coat Paint, Sprayed, Paint Shutter Or Blinds, Louvered Panel	2.34	
09 91 13 00-0458	SF	2 Coats Paint, Sprayed, Paint Shutter Or Blinds, Louvered Panel	4.34	

09 91 13 00-0459 Paint Flagpoles *(09 91 13 00-0429)*

09 91 13 00-0460	EA	1 Coat Paint, 20' High, Paint Steel Flagpole	228.15	
09 91 13 00-0461	EA	1 Coat Paint, 30' High, Paint Steel Flagpole	308.05	
09 91 13 00-0462	EA	1 Coat Paint, 40' High, Paint Steel Flagpole	388.01	
09 91 13 00-0463	EA	1 Coat Paint, 50' High, Paint Steel Flagpole	467.97	
09 91 13 00-0464	EA	1 Coat Paint, 70' High, Paint Steel Flagpole	617.40	
09 91 13 00-0465	EA	1 Coat Paint, 80' High, Paint Steel Flagpole	696.04	
09 91 13 00-0466	EA	1 Coat Paint, 90' High, Paint Steel Flagpole	774.70	

09 91 13 00-0467 Paint Lattice Or Trellis *(09 91 13 00-0429)*

09 91 13 00-0468	SF	1 Coat Paint, Sprayed, Per Side, Paint Wood Lattice Or Trellis	1.51	
		For Up To 100, Add	*0.99*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0469	SF	2 Coats Paint, Sprayed, Per Side, Paint Wood Lattice Or Trellis	2.80	
		For Up To 100, Add	*1.81*	
		For >100 To 250, Add	*0.86*	
		For >250 To 500, Add	*0.37*	

09 91 13 00-0470 Paint Exterior Stairs *(09 91 13)*

09 91 13 00-0471 Paint Exterior Concrete Stairs *(09 91 13 00-0470)*

09 91 13 00-0472	RSR	1 Coat Primer, Brush/Roller Work, Paint Exterior Concrete Stair (To 4' Wide)	16.18
09 91 13 00-0473	RSR	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Concrete Stair (To 4' Wide)	16.18
09 91 13 00-0474	RSR	1 Coat Non-Slip Paint, Brush/Roller Work, Paint Exterior Concrete Stair (To 4' Wide)	22.34
09 91 13 00-0475	RSR	1 Coat Non-Slip Epoxy Paint, Brush/Roller Work, Paint Exterior Concrete Stair (To 4' Wide)	40.30
09 91 13 00-0476	RSR	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Concrete Stair (To 4' Wide)	32.37

09 91 13 00-0477 Paint Exterior Metal Stairs *(09 91 13 00-0470)*

09 91 13 00-0478	RSR	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Stair (To 4' Wide)	8.63
		For Oil Based Paint, Add	*0.48*
09 91 13 00-0479	RSR	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Metal Stair (To 4' Wide)	8.63
		For Oil Based Paint, Add	*0.48*
09 91 13 00-0480	RSR	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Metal Stair (To 4' Wide)	17.25
		For Oil Based Paint, Add	*0.96*

09 91 13 00-0481 Paint Exterior Wood Stairs *(09 91 13 00-0470)*

09 91 13 00-0482	RSR	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Stair (To 4' Wide)	8.51
09 91 13 00-0483	RSR	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Wood Stair (To 4' Wide)	8.50
09 91 13 00-0484	RSR	1 Coat Non-Slip Paint, Brush/Roller Work, Paint Exterior Wood Stair (To 4' Wide)	14.66
09 91 13 00-0485	RSR	1 Coat Non-Slip Epoxy Paint, Brush/Roller Work, Paint Exterior Wood Stair (To 4' Wide)	32.62
09 91 13 00-0486	RSR	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Wood Stair (To 4' Wide)	17.01

09 91 13 00-0487 Paint Exterior Stair Nosing *(09 91 13 00-0470)*

09 91 13 00-0488	LF	1 Coat Paint, Up To 2", Non-Slip, Brush Work, Paint Exterior Yellow Stair Safety Strip	1.60

09 91 13 00-0489 Paint Exterior Trim *(09 91 13)*

09 91 13 00-0490 Paint Exterior Metal Trim And Gutters *(09 91 13 00-0489)*

09 91 13 00-0491	SF	1 Coat Primer, Brush Work, Paint Exterior Exposed Metal Trim	1.15
		For Work >15' To 20' Above Floor, Add	*0.14*
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	*0.23*
		Note: Applied only to work area above 20'.	
		For Work >30' To 40' Above Floor, Add	*0.36*
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	*0.50*
		Note: Applied only to work area above 40'.	
09 91 13 00-0492	SF	1 Coat Paint, Brush Work, Paint Exterior Exposed Metal Trim	1.25
		For Work >15' To 20' Above Floor, Add	*0.15*
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	*0.25*
		Note: Applied only to work area above 20'.	
		For Work >30' To 40' Above Floor, Add	*0.40*
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	*0.55*
		Note: Applied only to work area above 40'.	
09 91 13 00-0493	SF	2 Coats Paint, Brush Work, Paint Exterior Exposed Metal Trim	2.27
		For Work >15' To 20' Above Floor, Add	*0.27*
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	*0.44*
		Note: Applied only to work area above 20'.	
		For Work >30' To 40' Above Floor, Add	*0.71*
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	*0.97*
		Note: Applied only to work area above 40'.	
09 91 13 00-0494	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Exposed Metal Trim	1.05
		For Work >15' To 20' Above Floor, Add	*0.12*
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	*0.20*
		Note: Applied only to work area above 20'.	
		For Work >30' To 40' Above Floor, Add	*0.32*
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	*0.44*
		Note: Applied only to work area above 40'.	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0495	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Exposed Metal Trim	1.14	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 40'.		
09 91 13 00-0496	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Exposed Metal Trim	2.05	
		For Work >15' To 20' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.85*	
		Note: Applied only to work area above 40'.		
09 91 13 00-0497	LF	1 Coat Paint, Brush Work, Paint Exterior Gutter And Downspout	1.79	
		For Work >15' To 20' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.80*	
		Note: Applied only to work area above 40'.		
09 91 13 00-0498	LF	2 Coats Paint, Brush Work, Paint Exterior Gutter And Downspout	2.19	
		For Work >15' To 20' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.85*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.17*	
		Note: Applied only to work area above 40'.		

09 91 13 00-0499 Paint Exterior Wood Trim *(09 91 13 00-0489)*

09 91 13 00-0500	SF	1 Coat Primer, Brush Work, Paint Exterior Wood Trim	1.68	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.68*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.00*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.34*	
09 91 13 00-0501	SF	1 Coat Paint, Brush Work, Paint Exterior Wood Trim	1.82	
		For Oil Based Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.74*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.08*	
		For >100 To 250, Add	*0.52*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.27*	
		For >20,000, Deduct	*-0.36*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0502	SF	2 Coats Paint, Brush Work, Paint Exterior Wood Trim	3.35	
		For Oil Based Paint, Add	*0.22*	
		For Work >15' To 20' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.60*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.95*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.31*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.93*	
		For >100 To 250, Add	*0.93*	
		For >250 To 500, Add	*0.41*	
		For >2,500 To 5,000, Deduct	*-0.17*	
		For >5,000 To 10,000, Deduct	*-0.34*	
		For >10,000 To 20,000, Deduct	*-0.50*	
		For >20,000, Deduct	*-0.67*	
09 91 13 00-0503	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Trim	1.37	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.76*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.27*	
09 91 13 00-0504	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Trim	1.52	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.85*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.30*	
09 91 13 00-0505	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Trim	2.85	
		For Oil Based Paint, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.75*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.03*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.56*	
		For >100 To 250, Add	*0.76*	
		For >250 To 500, Add	*0.33*	
		For >2,500 To 5,000, Deduct	*-0.14*	
		For >5,000 To 10,000, Deduct	*-0.29*	
		For >10,000 To 20,000, Deduct	*-0.43*	
		For >20,000, Deduct	*-0.57*	
09 91 13 00-0506	SF	1 Coat Primer, Sprayed, Paint Exterior Wood Trim	1.19	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0507	SF	1 Coat Paint, Sprayed, Paint Exterior Wood Trim	1.32	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.67*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
09 91 13 00-0508	SF	2 Coats Paint, Sprayed, Paint Exterior Wood Trim	2.52	
		For Oil Based Paint, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.80*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.25*	
		For >100 To 250, Add	*0.61*	
		For >250 To 500, Add	*0.27*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.25*	
		For >10,000 To 20,000, Deduct	*-0.38*	
		For >20,000, Deduct	*-0.50*	

09 91 13 00-0509 Paint Exterior Miscellaneous Metal Surfaces *(09 91 13)*

09 91 13 00-0510	SF	1 Coat Alkyd Anticorrosive Metal Primer, Brush/Roller Work, Paint Exterior Miscellaneous Metal Surfaces	1.40	
		For Epoxy Paint, Add	*0.19*	
		For Electrostatic Painting, Add	*0.20*	
09 91 13 00-0511	SF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Miscellaneous Metal Surfaces	1.26	
		For Epoxy Paint, Add	*0.14*	
		For Electrostatic Painting, Add	*0.16*	
09 91 13 00-0512	SF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Miscellaneous Metal Surfaces	2.57	
		For Epoxy Paint, Add	*0.29*	
		For Electrostatic Painting, Add	*0.34*	

09 91 23 Interior Painting *(09 91)*

Note: Acrylic latex paint unless otherwise stated. VOC compliant in all regulated areas, review specifications for levels. Paint tasks covers all paint sheens: flat, eggshell, satin, semi-gloss, or gloss. See CSI section 09 91 13 00-0339 for additional interior materials.

09 91 23 00-0001 Paint Interior Walls *(09 91 23)*

09 91 23 00-0002 Paint Interior Brick Walls *(09 91 23 00-0001)*

09 91 23 00-0003	SF	1 Coat Filler, Brush Work, Paint Interior Brick Walls	1.04	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.64*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0004	SF	1 Coat Paint, Brush Work, Paint Interior Brick Walls	1.19	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 23 00-0005	SF	2 Coat Paint, Brush Work, Paint Interior Brick Walls	2.15	
		For Oil Based Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.65*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.89*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.29*	
		For >100 To 250, Add	*0.62*	
		For >250 To 500, Add	*0.27*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.32*	
		For >20,000, Deduct	*-0.43*	
09 91 23 00-0006	SF	1 Coat Filler, Brush/Roller Work, Paint Interior Brick Walls	0.86	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 23 00-0007	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Brick Walls	1.07	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 23 00-0008	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Brick Walls	1.85	
		For Oil Based Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.69*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.03*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000, Deduct	*-0.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0009	SF	1 Coat Filler, Sprayed, Paint Interior Brick Walls	0.79	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
		For Backroll, Add	*0.09*	
09 91 23 00-0010	SF	1 Coat Paint, Sprayed, Paint Interior Brick Walls	0.90	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
		For Backroll, Add	*0.10*	
09 91 23 00-0011	SF	2 Coats Paint, Sprayed, Paint Interior Brick Walls	1.54	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.77*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.31*	
		For Backroll, Add	*0.17*	
09 91 23 00-0012	SF	1 Coat Bonding Agent, Brush Work, Paint Interior Brick Walls	1.08	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.22*	
09 91 23 00-0013	SF	1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Brick Walls	0.90	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0014	SF	1 Coat Bonding Agent, Sprayed, Paint Interior Brick Walls	0.84	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
		For Backroll, Add	*0.10*	
09 91 23 00-0015	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Brick Walls	0.20	
		For Work >15' To 20' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.13*	
		For >100 To 250, Add	*0.06*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.04*	

09 91 23 00-0016 Paint Interior Concrete Walls *(09 91 23 00-0001)*

09 91 23 00-0017	SF	1 Coat Filler, Brush Work, Paint Interior Concrete Walls	0.88	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.55*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0018	SF	1 Coat Paint, Brush Work, Paint Interior Concrete Walls	0.95	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0019	SF	2 Coats Paint, Brush Work, Paint Interior Concrete Walls	1.74	
		For Oil Based Paint, Add	*0.10*	
		For Epoxy Paint, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.60*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.82*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.16*	
		For >100 To 250, Add	*0.55*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.35*	
09 91 23 00-0020	SF	1 Coat Filler, Brush/Roller Work, Paint Interior Concrete Walls	0.72	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.43*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 23 00-0021	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Walls	0.80	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0022	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Concrete Walls	1.47	
		For Oil Based Paint, Add	*0.09*	
		For Epoxy Paint, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.64*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.92*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0023	SF	1 Coat Filler, Sprayed, Paint Interior Concrete Walls	0.64	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
		For Backroll, Add	*0.07*	
09 91 23 00-0024	SF	1 Coat Paint, Sprayed, Paint Interior Concrete Walls	0.72	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.43*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
		For Backroll, Add	*0.09*	
09 91 23 00-0025	SF	2 Coats Paint, Sprayed, Paint Interior Concrete Walls	1.17	
		For Oil Based Paint, Add	*0.08*	
		For Epoxy Paint, Add	*0.17*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.23*	
		For Backroll, Add	*0.14*	
09 91 23 00-0026	SF	1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Walls	0.91	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.55*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0027	SF	1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Concrete Walls	0.75	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.43*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0028	SF	1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Walls	0.68	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.14*	
		For Backroll, Add	*0.08*	
09 91 23 00-0029	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Concrete Walls	0.16	
		For Work >15' To 20' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.10*	
		For >100 To 250, Add	*0.05*	
		For >250 To 500, Add	*0.02*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.02*	
		For >20,000, Deduct	*-0.03*	

09 91 23 00-0030 Paint Interior Concrete Block Walls *(09 91 23 00-0001)*

09 91 23 00-0031 Paint Interior Concrete Block Walls, Epoxy Paint *(09 91 23 00-0030)*

09 91 23 00-0032	LF	1 Coat Epoxy Paint, Cut-in Brush Work, Paint Interior Concrete Block Walls	0.51	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.18*	
		For >100 To 250, Add	*0.09*	
		For >250 To 500, Add	*0.04*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.10*	
09 91 23 00-0033	SF	1 Coat Epoxy Filler, Brush Work, Paint Interior Concrete Block Walls	1.24	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.73*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0034	SF	1 Coat Epoxy Paint, Brush Work, Paint Interior Concrete Block Walls	1.43	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.60*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.87*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.29*	
09 91 23 00-0035	SF	2 Coats Epoxy Paint, Brush Work, Paint Interior Concrete Block Walls	2.56	
		For Work >15' To 20' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.75*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.03*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.51*	
		For >100 To 250, Add	*0.73*	
		For >250 To 500, Add	*0.32*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.26*	
		For >10,000 To 20,000, Deduct	*-0.38*	
		For >20,000, Deduct	*-0.51*	
09 91 23 00-0036	SF	1 Coat Epoxy Filler, Brush/Roller Work, Paint Interior Concrete Block Walls	1.03	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.21*	
09 91 23 00-0037	SF	1 Coat Epoxy Paint, Brush/Roller Work, Paint Interior Concrete Block Walls	1.13	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.64*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 23 00-0038	SF	2 Coats Epoxy Paint, Brush/Roller Work, Paint Interior Concrete Block Walls	2.14	
		For Work >15' To 20' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.80*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.20*	
		For >100 To 250, Add	*0.58*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.32*	
		For >20,000, Deduct	*-0.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0039	SF	1 Coat Epoxy Filler, Sprayed, Paint Interior Concrete Block Walls	0.89	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
		For Backroll, Add	*0.09*	
09 91 23 00-0040	SF	1 Coat Epoxy Paint, Sprayed, Paint Interior Concrete Block Walls	1.08	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.22*	
		For Backroll, Add	*0.12*	
09 91 23 00-0041	SF	2 Coats Epoxy Paint, Sprayed, Paint Interior Concrete Block Walls	1.96	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.60*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.95*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.39*	
		For Backroll, Add	*0.21*	

09 91 23 00-0042 Paint Interior Concrete Block Walls, Acrylic Latex Paint *(09 91 23 00-0030)*

09 91 23 00-0043	SF	1 Coat Filler, Brush Work, Paint Interior Concrete Block Walls	1.13	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.71*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0044	SF	1 Coat Paint, Brush Work, Paint Interior Concrete Block Walls	1.35	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.83*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	
09 91 23 00-0045	SF	2 Coats Paint, Brush Work, Paint Interior Concrete Block Walls	2.46	
		For Oil Based Paint, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.74*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.02*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.49*	
		For >100 To 250, Add	*0.71*	
		For >250 To 500, Add	*0.31*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.25*	
		For >10,000 To 20,000, Deduct	*-0.37*	
		For >20,000, Deduct	*-0.49*	
09 91 23 00-0046	SF	1 Coat Texture Paint, Brush Work, Paint Interior Concrete Block Walls	1.50	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.64*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.92*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.30*	
09 91 23 00-0047	SF	1 Coat Filler, Brush/Roller Work, Paint Interior Concrete Block Walls	0.97	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.19*	
09 91 23 00-0048	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Block Walls	1.15	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0049	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Concrete Block Walls	2.07	
		For Oil Based Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.59*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.81*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.19*	
		For >100 To 250, Add	*0.57*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.31*	
		For >20,000, Deduct	*-0.41*	
09 91 23 00-0050	SF	1 Coat Texture Paint, Brush/Roller Work, Paint Interior Concrete Block Walls	1.29	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.76*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.26*	
09 91 23 00-0051	SF	1 Coat Filler, Sprayed, Paint Interior Concrete Block Walls	0.89	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
		For Backroll, Add	*0.10*	
09 91 23 00-0052	SF	1 Coat Paint, Sprayed, Paint Interior Concrete Block Walls	1.04	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.55*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
		For Backroll, Add	*0.12*	
09 91 23 00-0053	SF	2 Coats Paint, Sprayed, Paint Interior Concrete Block Walls	1.71	
		For Oil Based Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.85*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.34*	
		For Backroll, Add	*0.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0054	SF	1 Coat Texture Paint, Sprayed, Paint Interior Concrete Block Walls	1.20	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
		For Backroll, Add	*0.14*	
09 91 23 00-0055	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Concrete Block Walls	0.22	
		For Oil Based Paint, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.14*	
		For >100 To 250, Add	*0.06*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.04*	

09 91 23 00-0056 Paint Interior Concrete Block Walls With Bonding Agent *(09 91 23 00-0030)*

09 91 23 00-0057	SF	1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Block Walls	1.17	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.23*	
09 91 23 00-0058	SF	1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Concrete Block Walls	1.01	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 23 00-0059	SF	1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Block Walls	0.95	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
		For Backroll, Add	*0.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0060		Paint Interior Plaster/Drywall Walls *(09 91 23 00-0001)*		
09 91 23 00-0061		Paint Interior Plaster/Drywall Walls *(09 91 23 00-0060)*		
09 91 23 00-0062	SF	1 Coat Primer, Brush Work, Paint Interior Plaster/Drywall Walls	0.92	
		For Oil Based Paint, Add	*0.06*	
		For Orange Peel Finish, Add	*0.13*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.58*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0063	SF	1 Coat Paint, Brush Work, Paint Interior Plaster/Drywall Walls	0.96	
		For Oil Based Paint, Add	*0.06*	
		For Orange Peel Finish, Add	*0.13*	
		For Epoxy Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 23 00-0064	SF	2 Coats Paint, Brush Work, Paint Interior Plaster/Drywall Walls	1.76	
		For Oil Based Paint, Add	*0.10*	
		For Orange Peel Finish, Add	*0.24*	
		For Epoxy Paint, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.80*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.14*	
		For >100 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.35*	
09 91 23 00-0065	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Plaster/Drywall Walls	0.74	
		For Oil Based Paint, Add	*0.05*	
		For Orange Peel Finish, Add	*0.10*	
		For Epoxy Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0066	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Plaster/Drywall Walls	0.83	
		For Oil Based Paint, Add	*0.05*	
		For Orange Peel Finish, Add	*0.11*	
		For Epoxy Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.17*	
09 91 23 00-0067	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Plaster/Drywall Walls	1.49	
		For Oil Based Paint, Add	*0.09*	
		For Orange Peel Finish, Add	*0.20*	
		For Epoxy Paint, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.63*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.91*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.30*	
09 91 23 00-0068	SF	1 Coat Primer, Sprayed, Paint Interior Plaster/Drywall Walls	0.67	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
		For Backroll, Add	*0.08*	
09 91 23 00-0069	SF	1 Coat Paint, Sprayed, Paint Interior Plaster/Drywall Walls	0.72	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.43*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
		For Backroll, Add	*0.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0070	SF	2 Coats Paint, Sprayed, Paint Interior Plaster/Drywall Walls	1.17	
		For Oil Based Paint, Add	*0.08*	
		For Epoxy Paint, Add	*0.17*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.23*	
		For Backroll, Add	*0.14*	
09 91 23 00-0071	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Plaster/Drywall Walls	0.17	
		For Oil Based Paint, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.11*	
		For >100 To 250, Add	*0.05*	
		For >250 To 500, Add	*0.02*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.03*	

09 91 23 00-0072 Paint Interior Plaster/Drywall Or Masonry Walls With Polymix Multi-Color Paint *(09 91 23 00-0060)*

09 91 23 00-0073	SF	2 Tone Polymix With Base Coat, Sprayed, Paint Interior Plaster/Drywall Or Masonry Walls	2.06	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.87*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.31*	
		For >20,000, Deduct	*-0.41*	
09 91 23 00-0074	SF	3 Tone Polymix With Base Coat, Sprayed, Paint Interior Plaster/Drywall Or Masonry Walls	2.25	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.90*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.34*	
		For >20,000, Deduct	*-0.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0075	SF	4 Tone Polymix With Base Coat, Sprayed, Paint Interior Plaster/Drywall Or Masonry Walls	2.44	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.92*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000 To 20,000, Deduct	*-0.37*	
		For >20,000, Deduct	*-0.49*	

09 91 23 00-0076 Paint Interior Plaster/Drywall Walls, Acoustic Texture *(09 91 23 00-0060)*

09 91 23 00-0077	SF	1 Coat Primer, Sprayed, Acoustic Texture, Paint Interior Plaster/Drywall Walls	0.82	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0078	SF	1 Coat Finish, Sprayed, Acoustic Texture, Paint Interior Plaster/Drywall Walls	0.96	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 23 00-0079	SF	2 Coats Finish, Sprayed, Acoustic Texture, Paint Interior Plaster/Drywall Walls	1.52	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.78*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.30*	
09 91 23 00-0080	SF	Stipple Finish (Drippowder), Paint Interior Plaster/Drywall Walls	1.46	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.74*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.02*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	

09 91 23 00-0081 Paint Interior Metal Walls *(09 91 23 00-0001)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0082		Paint Interior Galvanized Walls *(09 91 23 00-0081)*		
		Note: Linseed oil or acrylic latex paint.		
09 91 23 00-0083	SF	1 Coat Primer, Brush Work, Paint Interior Galvanized Wall Surfaces	1.19	
		For Electrostatic Painting, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.66*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 23 00-0084	SF	1 Coat Paint, Brush Work, Paint Interior Galvanized Wall Surfaces	1.30	
		For Electrostatic Painting, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.75*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
09 91 23 00-0085	SF	2 Coats Paint, Brush Work, Paint Interior Galvanized Wall Surfaces	2.40	
		For Electrostatic Painting, Add	*0.36*	
		For Work >15' To 20' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.65*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.89*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.33*	
		For >100 To 250, Add	*0.65*	
		For >250 To 500, Add	*0.28*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000 To 20,000, Deduct	*-0.36*	
		For >20,000, Deduct	*-0.48*	
09 91 23 00-0086	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Galvanized Walls	0.90	
		For Electrostatic Painting, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0087	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Galvanized Wall	1.03	
		For Electrostatic Painting, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0088	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Galvanized Walls	1.94	
		For Electrostatic Painting, Add	*0.29*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.70*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.06*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.39*	
09 91 23 00-0089	SF	1 Coat Primer, Sprayed, Paint Interior Galvanized Walls	0.81	
		For Electrostatic Painting, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
		For Backroll, Add	*0.08*	
09 91 23 00-0090	SF	1 Coat Paint, Sprayed, Paint Interior Galvanized Walls	1.03	
		For Electrostatic Painting, Add	*0.17*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.21*	
		For Backroll, Add	*0.11*	
09 91 23 00-0091	SF	2 Coats Paint, Sprayed, Paint Interior Galvanized Walls	1.76	
		For Electrostatic Painting, Add	*0.31*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.79*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.35*	
		For Backroll, Add	*0.18*	

09 91 23 00-0092 Paint Interior Aluminum And Aluminum Alloy Walls *(09 91 23 00-0081)*
Note: Alkyd enamel paint.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0093	SF	1 Coat Primer, Brush Work, Paint Interior Aluminum And Aluminum Alloy Wall Surfaces	1.19	
		For Electrostatic Painting, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.66*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 23 00-0094	SF	1 Coat Paint, Brush Work, Paint Interior Aluminum And Aluminum Alloy Wall Surfaces	1.30	
		For Electrostatic Painting, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.75*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
09 91 23 00-0095	SF	2 Coats Paint, Brush Work, Paint Interior Aluminum And Aluminum Alloy Wall Surfaces	2.38	
		For Electrostatic Painting, Add	*0.35*	
		For Work >15' To 20' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.65*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.89*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.33*	
		For >100 To 250, Add	*0.64*	
		For >250 To 500, Add	*0.28*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000 To 20,000, Deduct	*-0.36*	
		For >20,000, Deduct	*-0.48*	
09 91 23 00-0096	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Walls	1.02	
		For Electrostatic Painting, Add	*0.17*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 23 00-0097	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Walls	1.14	
		For Electrostatic Painting, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0098	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Walls	2.17	
		For Electrostatic Painting, Add	*0.35*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.70*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.09*	
		For >100 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.33*	
		For >20,000, Deduct	*-0.43*	
09 91 23 00-0099	SF	1 Coat Primer, Sprayed, Paint Interior Aluminum And Aluminum Alloy Walls	0.88	
		For Electrostatic Painting, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
		For Backroll, Add	*0.09*	
09 91 23 00-0100	SF	1 Coat Paint, Sprayed, Paint Interior Aluminum And Aluminum Alloy Walls	1.03	
		For Electrostatic Painting, Add	*0.17*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.21*	
		For Backroll, Add	*0.11*	
09 91 23 00-0101	SF	2 Coats Paint, Sprayed, Paint Interior Aluminum And Aluminum Alloy Walls	1.76	
		For Electrostatic Painting, Add	*0.31*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.79*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.35*	
		For Backroll, Add	*0.18*	

09 91 23 00-0102 Paint Interior Corrugated Metal Walls *(09 91 23 00-0081)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0103	SF	1 Coat Primer, Sprayed, Paint Interior Corrugated Metal Walls	0.99	
		For Electrostatic Painting, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
		For Backroll, Add	*0.10*	
09 91 23 00-0104	SF	1 Coat Paint, Sprayed, Paint Interior Corrugated Metal Walls	1.29	
		For Electrostatic Painting, Add	*0.21*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.66*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.26*	
		For Backroll, Add	*0.14*	
09 91 23 00-0105	SF	2 Coats Paint, Sprayed, Paint Interior Corrugated Metal Walls	2.19	
		For Electrostatic Painting, Add	*0.37*	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.64*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.03*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.33*	
		For >20,000, Deduct	*-0.44*	
		For Backroll, Add	*0.23*	

09 91 23 00-0106 Paint Interior Stucco Walls *(09 91 23 00-0001)*

09 91 23 00-0107	SF	1 Coat Primer, Brush Work, Paint Interior Stucco Wall Surfaces	1.51	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.70*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.99*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0108	SF	1 Coat Paint, Brush Work, Paint Interior Stucco Wall Surfaces	1.65	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.76*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.08*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.33*	
09 91 23 00-0109	SF	2 Coats Paint, Brush Work, Paint Interior Stucco Wall Surfaces	2.94	
		For Oil Based Paint, Add	*0.17*	
		For Work >15' To 20' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.60*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.96*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.33*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.89*	
		For >100 To 250, Add	*0.90*	
		For >250 To 500, Add	*0.39*	
		For >2,500 To 5,000, Deduct	*-0.15*	
		For >5,000 To 10,000, Deduct	*-0.29*	
		For >10,000 To 20,000, Deduct	*-0.44*	
		For >20,000, Deduct	*-0.59*	
09 91 23 00-0110	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Stucco Wall Surfaces	1.15	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 23 00-0111	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Stucco Wall Surfaces	1.30	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.82*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
09 91 23 00-0112	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Stucco Wall Surfaces	2.40	
		For Oil Based Paint, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.75*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.03*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.48*	
		For >100 To 250, Add	*0.71*	
		For >250 To 500, Add	*0.31*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000 To 20,000, Deduct	*-0.36*	
		For >20,000, Deduct	*-0.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0113	SF	1 Coat Primer, Sprayed, Paint Interior Stucco Wall Surfaces	0.87	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
		For Backroll, Add	*0.10*	
09 91 23 00-0114	SF	1 Coat Paint, Sprayed, Paint Interior Stucco Wall Surfaces	1.08	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.22*	
		For Backroll, Add	*0.13*	
09 91 23 00-0115	SF	2 Coats Paint, Sprayed, Paint Interior Stucco Wall Surfaces	2.07	
		For Oil Based Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.59*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.81*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.19*	
		For >100 To 250, Add	*0.57*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.31*	
		For >20,000, Deduct	*-0.41*	
		For Backroll, Add	*0.25*	
09 91 23 00-0116	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Stucco Wall Surfaces	0.27	
		For Oil Based Paint, Add	*0.02*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.18*	
		For >100 To 250, Add	*0.08*	
		For >250 To 500, Add	*0.04*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 20,000, Deduct	*-0.04*	
		For >20,000, Deduct	*-0.05*	

09 91 23 00-0117 Paint Interior Wood Walls *(09 91 23 00-0001)*

09 91 23 00-0118 Interior Wood Walls *(09 91 23 00-0117)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0119	SF	1 Coat Paint, Brush Work, Paint Interior Wood Wall Surfaces	1.13	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.73*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 23 00-0120	SF	2 Coats Paint, Brush Work, Paint Interior Wood Wall Surfaces	2.07	
		For Oil Based Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.68*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.93*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.32*	
		For >100 To 250, Add	*0.63*	
		For >250 To 500, Add	*0.27*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.31*	
		For >20,000, Deduct	*-0.41*	
09 91 23 00-0121	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Wood Walls	0.81	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0122	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Wood Walls	0.92	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.58*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0123	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Wood Walls	1.63	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.69*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.99*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0124	SF	1 Coat Primer, Sprayed, Paint Interior Wood Walls	0.63	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.33*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.13*	
		For Backroll, Add	*0.07*	
09 91 23 00-0125	SF	1 Coat Paint, Sprayed, Paint Interior Wood Walls	0.79	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
		For Backroll, Add	*0.09*	
09 91 23 00-0126	SF	2 Coats Paint, Sprayed, Paint Interior Wood Walls	1.46	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.78*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	
		For Backroll, Add	*0.17*	
09 91 23 00-0127	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Wood Wall Surfaces	0.19	
		For Oil Based Paint, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.12*	
		For >100 To 250, Add	*0.06*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.04*	

09 91 23 00-0128 Paint Interior Ceilings *(09 91 23)*

09 91 23 00-0129 Paint Interior Acoustical Ceilings *(09 91 23 00-0128)*
Note: Includes grid.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0130	SF	1 Coat Primer, Brush Work, Paint Interior Acoustical Ceiling	1.00	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.64*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 23 00-0131	SF	1 Coat Paint, Brush Work, Paint Interior Acoustical Ceiling	1.08	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.22*	
09 91 23 00-0132	SF	2 Coats Paint, Brush Work, Paint Interior Acoustical Ceiling	1.92	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.65*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.89*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.26*	
		For >100 To 250, Add	*0.60*	
		For >250 To 500, Add	*0.26*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.38*	
09 91 23 00-0133	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Acoustical Ceiling	0.87	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 23 00-0134	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Acoustical Ceiling	0.84	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0135	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Acoustical Ceiling	1.58	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.70*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.01*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	
09 91 23 00-0136	SF	1 Coat Primer, Sprayed, Paint Interior Acoustical Ceiling	0.81	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
		For Backroll, Add	*0.10*	
09 91 23 00-0137	SF	1 Coat Paint, Sprayed, Paint Interior Acoustical Ceiling	0.78	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
		For Backroll, Add	*0.10*	
09 91 23 00-0138	SF	2 Coats Paint, Sprayed, Paint Interior Acoustical Ceiling	1.27	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
		For Backroll, Add	*0.15*	
09 91 23 00-0139	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Acoustical Ceiling	0.32	
		For Oil Based Paint, Add	*0.02*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.15*	
		For >100 To 250, Add	*0.07*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 20,000, Deduct	*-0.05*	
		For >20,000, Deduct	*-0.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0140		Paint Interior Concrete Ceilings *(09 91 23 00-0128)*		
09 91 23 00-0141	SF	1 Coat Filler, Brush Work, Paint Interior Concrete Ceiling	1.00	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.64*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 23 00-0142	SF	1 Coat Paint, Brush Work, Paint Interior Concrete Ceiling	1.08	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.22*	
09 91 23 00-0143	SF	2 Coats Paint, Brush Work, Paint Interior Concrete Ceiling	1.92	
		For Oil Based Paint, Add	*0.11*	
		For Epoxy Paint, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.65*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.89*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.26*	
		For >100 To 250, Add	*0.60*	
		For >250 To 500, Add	*0.26*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.38*	
09 91 23 00-0144	SF	1 Coat Filler, Brush/Roller Work, Paint Interior Concrete Ceiling	0.77	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0145	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Ceiling	0.85	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.55*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 23 00-0146	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Concrete Ceiling	1.58	
		For Oil Based Paint, Add	*0.09*	
		For Epoxy Paint, Add	*0.17*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.70*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.01*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	
09 91 23 00-0147	SF	1 Coat Filler, Sprayed, Paint Interior Concrete Ceiling	0.77	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.15*	
		For Backroll, Add	*0.09*	
09 91 23 00-0148	SF	1 Coat Paint, Sprayed, Paint Interior Concrete Ceiling	0.78	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
		For Backroll, Add	*0.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0149	SF	2 Coats Paint, Sprayed, Paint Interior Concrete Ceiling	1.25	
		For Oil Based Paint, Add	*0.08*	
		For Epoxy Paint, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.71*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
		For Backroll, Add	*0.15*	
09 91 23 00-0150	SF	1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Ceiling	1.03	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.64*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.21*	
09 91 23 00-0151	SF	1 Coat Bonding Agent, Brush/Roller, Paint Interior Concrete Ceiling	0.80	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0152	SF	1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Ceiling	0.81	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
		For Backroll, Add	*0.09*	
09 91 23 00-0153	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Concrete Ceiling	0.18	
		For Work >15' To 20' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.12*	
		For >100 To 250, Add	*0.06*	
		For >250 To 500, Add	*0.02*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.04*	

09 91 23 00-0154 Paint Interior Drywall/Plaster Ceilings *(09 91 23 00-0128)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0155	SF	1 Coat Primer, Brush Work, Pain Interior Drywall/Plaster Ceiling	1.00	
		For Epoxy Paint, Add	*0.11*	
		For Oil Based Paint, Add	*0.06*	
		For Orange Peel Finish, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.64*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 23 00-0156	SF	1 Coat Paint, Brush Work, Paint Interior Drywall/Plaster Ceiling	1.08	
		For Epoxy Paint, Add	*0.10*	
		For Oil Based Paint, Add	*0.06*	
		For Orange Peel Finish, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.22*	
09 91 23 00-0157	SF	2 Coats Paint, Brush Work, Paint Interior Drywall/Plaster Ceiling	1.92	
		For Epoxy Paint, Add	*0.19*	
		For Oil Based Paint, Add	*0.11*	
		For Orange Peel Finish, Add	*0.27*	
		For Work >15' To 20' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.65*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.89*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.26*	
		For >100 To 250, Add	*0.60*	
		For >250 To 500, Add	*0.26*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.38*	
09 91 23 00-0158	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Drywall/Plaster Ceiling	0.87	
		For Epoxy Paint, Add	*0.10*	
		For Oil Based Paint, Add	*0.05*	
		For Orange Peel Finish, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0159	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Drywall/Plaster Ceiling	0.84	
		For Epoxy Paint, Add	*0.09*	
		For Oil Based Paint, Add	*0.05*	
		For Orange Peel Finish, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 23 00-0160	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Drywall/Plaster Ceiling	1.58	
		For Epoxy Paint, Add	*0.17*	
		For Oil Based Paint, Add	*0.09*	
		For Orange Peel Finish, Add	*0.22*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.70*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.01*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	
09 91 23 00-0161	SF	1 Coat Primer, Sprayed, Paint Interior Drywall/Plaster Ceiling	0.81	
		For Epoxy Paint, Add	*0.11*	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
		For Backroll, Add	*0.10*	
09 91 23 00-0162	SF	1 Coat Paint, Sprayed, Paint Interior Drywall/Plaster Ceiling	0.78	
		For Epoxy Paint, Add	*0.10*	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
		For Backroll, Add	*0.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0163	SF	2 Coats Paint, Sprayed, Paint Interior Drywall/Plaster Ceiling	1.27	
		For Epoxy Paint, Add	*0.18*	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
		For Backroll, Add	*0.15*	
09 91 23 00-0164	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Drywall/Plaster Ceiling	0.18	
		For Epoxy Paint, Add	*0.02*	
		For Oil Based Paint, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.12*	
		For >100 To 250, Add	*0.06*	
		For >250 To 500, Add	*0.02*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.04*	

09 91 23 00-0165 Paint Interior Metal Ceilings *(09 91 23 00-0128)*

09 91 23 00-0166 Galvanized Surfaces, Galvanized Primer *(09 91 23 00-0165)*

Note: Linseed oil or acrylic latex paint.

09 91 23 00-0167	SF	1 Coat Primer, Brush Work, Paint Interior Galvanized Ceiling	1.30	
		For Electrostatic Painting, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.75*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
09 91 23 00-0168	SF	1 Coat Paint, Brush Work, Paint Interior Galvanized Ceiling	1.43	
		For Electrostatic Painting, Add	*0.20*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.84*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0169	SF	2 Coats Paint, Brush Work, Paint Interior Galvanized Ceiling	2.62	
		For Electrostatic Painting, Add	*0.38*	
		For Work >15' To 20' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.74*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.02*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.51*	
		For >100 To 250, Add	*0.73*	
		For >250 To 500, Add	*0.32*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.26*	
		For >10,000 To 20,000, Deduct	*-0.39*	
		For >20,000, Deduct	*-0.52*	
09 91 23 00-0170	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Galvanized Ceiling	1.02	
		For Electrostatic Painting, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 23 00-0171	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Galvanized Ceiling	1.13	
		For Electrostatic Painting, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.66*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 23 00-0172	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Galvanized Ceiling	2.09	
		For Electrostatic Painting, Add	*0.30*	
		For Work >15' To 20' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.80*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.19*	
		For >100 To 250, Add	*0.57*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.31*	
		For >20,000, Deduct	*-0.42*	
09 91 23 00-0173	SF	1 Coat Primer, Sprayed, Paint Interior Galvanized Ceiling	1.03	
		For Electrostatic Painting, Add	*0.17*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.21*	
		For Backroll, Add	*0.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0174	SF	1 Coat Paint, Sprayed, Paint Interior Galvanized Ceiling	1.17	
		For Electrostatic Painting, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.23*	
		For Backroll, Add	*0.13*	
09 91 23 00-0175	SF	2 Coats Paint, Sprayed, Paint Interior Galvanized Ceiling	1.91	
		For Electrostatic Painting, Add	*0.32*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.90*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.38*	
		For Backroll, Add	*0.20*	

09 91 23 00-0176 Aluminum And Aluminum Alloy Surface Pretreatment Primer *(09 91 23 00-0165)*

Note: Alkyd enamel paint.

09 91 23 00-0177	SF	1 Coat Primer, Brush Work, Paint Interior Aluminum And Aluminum Alloy Ceiling	1.30	
		For Electrostatic Painting, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.75*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
09 91 23 00-0178	SF	1 Coat Paint, Brush Work, Paint Interior Aluminum And Aluminum Alloy Ceiling	1.43	
		For Electrostatic Painting, Add	*0.20*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.84*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0179	SF	2 Coats Paint, Brush Work, Paint Interior Aluminum And Aluminum Alloy Ceiling	2.62	
		For Electrostatic Painting, Add	*0.38*	
		For Work >15' To 20' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.74*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.02*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.51*	
		For >100 To 250, Add	*0.73*	
		For >250 To 500, Add	*0.32*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.26*	
		For >10,000 To 20,000, Deduct	*-0.39*	
		For >20,000, Deduct	*-0.52*	
09 91 23 00-0180	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Ceiling	1.14	
		For Electrostatic Painting, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 23 00-0181	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Ceiling	1.25	
		For Electrostatic Painting, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.67*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 23 00-0182	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Ceiling	2.39	
		For Electrostatic Painting, Add	*0.37*	
		For Work >15' To 20' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.60*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.83*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.26*	
		For >100 To 250, Add	*0.61*	
		For >250 To 500, Add	*0.27*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000 To 20,000, Deduct	*-0.36*	
		For >20,000, Deduct	*-0.48*	
09 91 23 00-0183	SF	1 Coat Primer, Sprayed, Paint Interior Aluminum And Aluminum Alloy Ceiling	1.03	
		For Electrostatic Painting, Add	*0.17*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.21*	
		For Backroll, Add	*0.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0184	SF	1 Coat Paint, Sprayed, Paint Interior Aluminum And Aluminum Alloy Ceiling	1.17	
		For Electrostatic Painting, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.23*	
		For Backroll, Add	*0.13*	
09 91 23 00-0185	SF	2 Coats Paint, Sprayed, Paint Interior Aluminum And Aluminum Alloy Ceiling	1.91	
		For Electrostatic Painting, Add	*0.32*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.90*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.38*	
		For Backroll, Add	*0.20*	

09 91 23 00-0186 Paint Interior Ceiling Tile Grid *(09 91 23 00-0165)*

Note: Grid only.

09 91 23 00-0187	LF	1 Coat Paint, Brush/Roller Work, Paint Interior Ceiling Tile Grid	0.27	
		For Electrostatic Painting, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.17*	
		For >100 To 250, Add	*0.08*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 20,000, Deduct	*-0.04*	
		For >20,000, Deduct	*-0.05*	
09 91 23 00-0188	LF	2 Coats Paint, Brush/Roller Work, Paint Interior Ceiling Tile Grid	0.55	
		For Electrostatic Painting, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	

09 91 23 00-0189 Paint Interior Corrugated Metal Ceilings *(09 91 23 00-0165)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0190	SF	1 Coat Primer, Sprayed, Paint Interior Corrugated Metal Ceiling	1.37	
		For Electrostatic Painting, Add	*0.23*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.67*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.27*	
		For Backroll, Add	*0.15*	
09 91 23 00-0191	SF	1 Coat Paint, Sprayed, Paint Interior Corrugated Metal Ceiling	1.56	
		For Electrostatic Painting, Add	*0.24*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.82*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.31*	
		For Backroll, Add	*0.18*	
09 91 23 00-0192	SF	2 Coats Paint, Sprayed, Paint Interior Corrugated Metal Ceiling	2.55	
		For Electrostatic Painting, Add	*0.43*	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.55*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.75*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.20*	
		For >100 To 250, Add	*0.60*	
		For >250 To 500, Add	*0.26*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.26*	
		For >10,000 To 20,000, Deduct	*-0.38*	
		For >20,000, Deduct	*-0.51*	
		For Backroll, Add	*0.26*	

09 91 23 00-0193 Paint Interior Wood Ceilings *(09 91 23 00-0128)*

09 91 23 00-0194 Paint Interior Smooth Wood Ceilings *(09 91 23 00-0193)*

09 91 23 00-0195	SF	1 Coat Primer, Brush Work, Paint Interior Wood Smooth Ceiling	1.22	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.76*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0196	SF	1 Coat Paint, Brush Work, Paint Interior Wood Smooth Ceiling	1.28	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.82*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.26*	
09 91 23 00-0197	SF	2 Coats Paint, Brush Work, Paint Interior Wood Smooth Ceiling	2.31	
		For Oil Based Paint, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.74*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.02*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.46*	
		For >100 To 250, Add	*0.70*	
		For >250 To 500, Add	*0.30*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.35*	
		For >20,000, Deduct	*-0.46*	
09 91 23 00-0198	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Smooth Wood Ceiling	1.00	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 23 00-0199	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Smooth Wood Ceiling	1.07	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 23 00-0200	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Smooth Wood Ceiling	2.03	
		For Oil Based Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.60*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.83*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.20*	
		For >100 To 250, Add	*0.58*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000, Deduct	*-0.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0201	SF	1 Coat Primer, Sprayed, Paint Interior Smooth Wood Ceiling	0.82	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
		For Backroll, Add	*0.10*	
09 91 23 00-0202	SF	1 Coat Paint, Sprayed, Paint Interior Smooth Wood Ceiling	0.97	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.19*	
		For Backroll, Add	*0.12*	
09 91 23 00-0203	SF	2 Coats Paint, Sprayed, Paint Interior Smooth Wood Ceiling	1.47	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.83*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	
		For Backroll, Add	*0.18*	
09 91 23 00-0204	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Wood Smooth Ceiling	0.21	
		For Oil Based Paint, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.13*	
		For >100 To 250, Add	*0.06*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.04*	

09 91 23 00-0205 Paint Interior Wood Beams *(09 91 23 00-0128)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0206	SF	1 Coat Primer, Brush Work, Paint Interior Wood Beams	1.35	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.60*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.86*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	
09 91 23 00-0207	SF	1 Coat Paint, Brush Work, Paint Interior Wood Beams	1.38	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.63*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.90*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 23 00-0208	SF	2 Coats Paint, Brush Work, Paint Interior Wood Beams	2.52	
		For Oil Based Paint, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.83*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.14*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.62*	
		For >100 To 250, Add	*0.77*	
		For >250 To 500, Add	*0.33*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.25*	
		For >10,000 To 20,000, Deduct	*-0.38*	
		For >20,000, Deduct	*-0.50*	
09 91 23 00-0209	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Wood Beams	1.10	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
09 91 23 00-0210	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Wood Beams	1.07	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0211	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Wood Beams	2.03	
		For Oil Based Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.60*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.83*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.20*	
		For >100 To 250, Add	*0.58*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000, Deduct	*-0.41*	
09 91 23 00-0212	SF	1 Coat Primer, Sprayed, Paint Interior Wood Beams	0.97	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.19*	
		For Backroll, Add	*0.12*	
09 91 23 00-0213	SF	1 Coat Paint, Sprayed, Paint Interior Wood Beams	0.97	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.19*	
		For Backroll, Add	*0.12*	
09 91 23 00-0214	SF	2 Coats Paint, Sprayed, Paint Interior Wood Beams	1.60	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.63*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.93*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	
		For Backroll, Add	*0.20*	

09 91 23 00-0215 Dryfall Coating *(09 91 23 00-0128)*

09 91 23 00-0216	SF	Dryfall Interior Acrylic Ceiling Coating, 1 Coat, Sprayed	0.55	
		For Oil Based Paint, Add	*0.03*	
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0217	SF	Dryfall Interior Latex Ceiling Coating, 1 Coat, Sprayed	0.58	
		For Oil Based Paint, Add	*0.04*	
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	

09 91 23 00-0218 Paint Interior Floors And Decks *(09 91 23)*

09 91 23 00-0219 Paint Interior Concrete Floors And Decks *(09 91 23 00-0218)*

09 91 23 00-0220	SF	1 Coat Primer, Brush Work, Paint Interior Concrete Floors And Decks	0.77	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.10*	
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0221	SF	1 Coat Paint, Brush Work, Paint Interior Concrete Floors And Decks	0.84	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.09*	
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 23 00-0222	SF	2 Coats Paint, Brush Work, Paint Interior Concrete Floors And Decks	1.66	
		For Oil Based Paint, Add	*0.10*	
		For Epoxy Paint, Add	*0.17*	
		For Up To 100, Add	*1.07*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.33*	
09 91 23 00-0223	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Concrete Floors And Decks	0.76	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.10*	
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0224	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Floors And Decks	0.73	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.08*	
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0225	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Concrete Floors And Decks	1.20	
		For Oil Based Paint, Add	*0.08*	
		For Epoxy Paint, Add	*0.15*	
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 23 00-0226	SF	1 Coat Primer, Sprayed, Paint Interior Concrete Floors And Decks	0.63	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.10*	
		For Up To 100, Add	*0.33*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.13*	
		For Backroll, Add	*0.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0227	SF	1 Coat Paint, Sprayed, Paint Interior Concrete Floors And Decks	0.63	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.09*	
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.13*	
		For Backroll, Add	*0.08*	
09 91 23 00-0228	SF	2 Coats Paint, Sprayed, Paint Interior Concrete Floors And Decks	1.12	
		For Oil Based Paint, Add	*0.08*	
		For Epoxy Paint, Add	*0.17*	
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
		For Backroll, Add	*0.13*	
09 91 23 00-0229	SF	1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Floors And Decks	0.80	
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0230	SF	1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Concrete Floors And Decks	0.79	
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0231	SF	1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Floors And Decks	0.67	
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
		For Backroll, Add	*0.07*	
09 91 23 00-0232	SF	1 Coat Non-Slip Paint, Brush Work, Paint Interior Concrete Floors And Decks	2.34	
		For Up To 100, Add	*0.77*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.35*	
		For >20,000, Deduct	*-0.47*	
09 91 23 00-0233	SF	1 Coat Non-Slip Epoxy Paint, Brush Work, Paint Interior Concrete Floors And Decks (Rust-Oleum® AS91864251)	6.83	
		For Up To 100, Add	*1.44*	
		For >100 To 250, Add	*0.86*	
		For >250 To 500, Add	*0.41*	
		For >2,500 To 5,000, Deduct	*-0.34*	
		For >5,000 To 10,000, Deduct	*-0.68*	
		For >10,000 To 20,000, Deduct	*-1.02*	
		For >20,000, Deduct	*-1.37*	
09 91 23 00-0234	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Concrete Floors And Decks	0.14	
		For Up To 100, Add	*0.09*	
		For >100 To 250, Add	*0.04*	
		For >250 To 500, Add	*0.02*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.01*	
		For >10,000 To 20,000, Deduct	*-0.02*	
		For >20,000, Deduct	*-0.03*	

09 91 23 00-0235 Paint Interior Wood Floors And Decks *(09 91 23 00-0218)*

09 91 23 00-0236	SF	1 Coat Primer, Brush Work, Paint Interior Wood Floors And Decks	0.96	
		For Oil Based Paint, Add	*0.06*	
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0237	SF	1 Coat Paint, Brush Work, Paint Interior Wood Floors And Decks	1.04	
		For Oil Based Paint, Add	*0.06*	
		For Up To 100, Add	*0.64*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 23 00-0238	SF	2 Coats Paint, Brush Work, Paint Interior Wood Floors And Decks	1.95	
		For Oil Based Paint, Add	*0.12*	
		For Up To 100, Add	*1.19*	
		For >100 To 250, Add	*0.57*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.39*	
09 91 23 00-0239	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Wood Floors And Decks	0.79	
		For Oil Based Paint, Add	*0.05*	
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0240	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Wood Floors And Decks	0.84	
		For Oil Based Paint, Add	*0.06*	
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 23 00-0241	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Wood Floors And Decks	1.68	
		For Oil Based Paint, Add	*0.11*	
		For Up To 100, Add	*0.94*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.34*	
09 91 23 00-0242	SF	1 Coat Primer, Sprayed, Paint Interior Wood Floors And Decks	0.67	
		For Oil Based Paint, Add	*0.05*	
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
		For Backroll, Add	*0.08*	
09 91 23 00-0243	SF	1 Coat Paint, Sprayed, Paint Interior Wood Floors And Decks	0.82	
		For Oil Based Paint, Add	*0.05*	
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
		For Backroll, Add	*0.10*	
09 91 23 00-0244	SF	2 Coats Paint, Sprayed, Paint Interior Wood Floors And Decks	1.20	
		For Oil Based Paint, Add	*0.08*	
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
		For Backroll, Add	*0.14*	
09 91 23 00-0245	SF	1 Coat Non-Slip Paint, Brush Work, Paint Interior Wood Floors And Decks	2.34	
		For Up To 100, Add	*0.77*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.35*	
		For >20,000, Deduct	*-0.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0246	SF	1 Coat Non-Slip Epoxy Paint, Brush Work, Paint Interior Wood Floors And Decks	6.83	
		For Up To 100, Add	*1.44*	
		For >100 To 250, Add	*0.86*	
		For >250 To 500, Add	*0.41*	
		For >2,500 To 5,000, Deduct	*-0.34*	
		For >5,000 To 10,000, Deduct	*-0.68*	
		For >10,000 To 20,000, Deduct	*-1.02*	
		For >20,000, Deduct	*-1.37*	
09 91 23 00-0247	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Wood Floors And Decks	0.17	
		For Up To 100, Add	*0.10*	
		For >100 To 250, Add	*0.05*	
		For >250 To 500, Add	*0.02*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.03*	

09 91 23 00-0248 Paint Interior Doors And Windows *(09 91 23)*

09 91 23 00-0249 Paint Interior Door Frames *(09 91 23 00-0248)*

09 91 23 00-0250	LF	1 Coat Primer, Brush/Roller Work, Paint Interior Wood Door Frame And Trim	1.14	
		For Oil Based Paint, Add	*0.06*	
		For Painting One Face Of Frame Only, Deduct	*-0.30*	
09 91 23 00-0251	LF	1 Coat Paint, Brush/Roller Work, Paint Interior Wood Door Frame And Trim	1.47	
		For Oil Based Paint, Add	*0.08*	
		For Painting One Face Of Frame Only, Deduct	*-0.39*	
09 91 23 00-0252	LF	2 Coats Paint, Brush/Roller Work, Paint Interior Wood Door Frame And Trim	2.48	
		For Oil Based Paint, Add	*0.14*	
		For Painting One Face Of Frame Only, Deduct	*-0.65*	
09 91 23 00-0253	LF	1 Coat Primer, Brush/Roller Work, Paint Interior Metal Door Frame And Trim	1.19	
		For Oil Based Paint, Add	*0.07*	
		For Painting One Face Of Frame Only, Deduct	*-0.32*	
09 91 23 00-0254	LF	1 Coat Paint, Brush/Roller Work, Paint Interior Metal Door Frame And Trim	1.52	
		For Oil Based Paint, Add	*0.09*	
		For Painting One Face Of Frame Only, Deduct	*-0.41*	
09 91 23 00-0255	LF	2 Coats Paint, Brush/Roller Work, Paint Interior Metal Door Frame And Trim	2.55	
		For Oil Based Paint, Add	*0.14*	
		For Painting One Face Of Frame Only, Deduct	*-0.68*	

09 91 23 00-0256 Paint Interior Metal Doors *(09 91 23 00-0248)*

09 91 23 00-0257	EA	1 Coat Primer, Brush/Roller Work, One Face, Paint Interior Metal Door	59.84	
		For Electrostatic Painting, Add	*9.91*	
		For Half Louvered Door, Add	*5.05*	
		For Full Louvered Door, Add	*8.42*	
		For Oil Based Paint, Add	*4.30*	
		For >5 To 10, Deduct	*-2.99*	
		For >10 To 25, Deduct	*-5.98*	
		For >25, Deduct	*-8.98*	
09 91 23 00-0258	EA	1 Coat Paint, Brush/Roller Work, One Face, Paint Interior Metal Door	59.84	
		For Electrostatic Painting, Add	*9.91*	
		For Half Louvered Door, Add	*5.05*	
		For Full Louvered Door, Add	*8.42*	
		For Oil Based Paint, Add	*4.30*	
		For >5 To 10, Deduct	*-2.99*	
		For >10 To 25, Deduct	*-5.98*	
		For >25, Deduct	*-8.98*	
09 91 23 00-0259	EA	2 Coats Paint, Brush/Roller Work, One Face, Paint Interior Metal Door	108.90	
		For Electrostatic Painting, Add	*18.70*	
		For Half Louvered Door, Add	*8.53*	
		For Full Louvered Door, Add	*14.22*	
		For Oil Based Paint, Add	*8.05*	
		For >5 To 10, Deduct	*-5.45*	
		For >10 To 25, Deduct	*-10.89*	
		For >25, Deduct	*-16.34*	
09 91 23 00-0260	EA	1 Coat Primer, Brush/Roller Work, Both Faces, Paint Interior Metal Door	107.40	
		For Electrostatic Painting, Add	*17.80*	
		For Half Louvered Door, Add	*9.05*	
		For Full Louvered Door, Add	*15.09*	
		For Oil Based Paint, Add	*7.72*	
		For >5 To 10, Deduct	*-5.37*	
		For >10 To 25, Deduct	*-10.74*	
		For >25, Deduct	*-16.11*	
09 91 23 00-0261	EA	1 Coat Paint, Brush/Roller Work, Both Faces, Paint Interior Metal Door	107.41	
		For Electrostatic Painting, Add	*17.80*	
		For Half Louvered Door, Add	*9.05*	
		For Full Louvered Door, Add	*15.09*	
		For Oil Based Paint, Add	*7.72*	
		For >5 To 10, Deduct	*-5.37*	
		For >10 To 25, Deduct	*-10.74*	
		For >25, Deduct	*-16.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0262	EA	2 Coats Paint, Brush/Roller Work, Both Faces, Paint Interior Metal Door	196.22	
		For Electrostatic Painting, Add	*33.74*	
		For Half Louvered Door, Add	*15.32*	
		For Full Louvered Door, Add	*25.53*	
		For Oil Based Paint, Add	*14.52*	
		For >5 To 10, Deduct	*-9.81*	
		For >10 To 25, Deduct	*-19.62*	
		For >25, Deduct	*-29.43*	
09 91 23 00-0263	EA	1 Coat Primer, Sprayed, One Face, Paint Interior Metal Door	54.26	
		For Electrostatic Painting, Add	*9.75*	
		For Half Louvered Door, Add	*3.82*	
		For Full Louvered Door, Add	*6.37*	
		For Oil Based Paint, Add	*4.15*	
		For >5 To 10, Deduct	*-2.71*	
		For >10 To 25, Deduct	*-5.43*	
		For >25, Deduct	*-8.14*	
		For Backroll, Add	*5.26*	
09 91 23 00-0264	EA	1 Coat Paint, Sprayed, One Face, Paint Interior Metal Door	54.26	
		For Electrostatic Painting, Add	*9.75*	
		For Half Louvered Door, Add	*3.82*	
		For Full Louvered Door, Add	*6.37*	
		For Oil Based Paint, Add	*4.15*	
		For >5 To 10, Deduct	*-2.71*	
		For >10 To 25, Deduct	*-5.43*	
		For >25, Deduct	*-8.14*	
		For Backroll, Add	*5.26*	
09 91 23 00-0265	EA	2 Coats Paint, Sprayed, One Face, Paint Interior Metal Door	100.23	
		For Electrostatic Painting, Add	*18.61*	
		For Half Louvered Door, Add	*6.45*	
		For Full Louvered Door, Add	*10.75*	
		For Oil Based Paint, Add	*7.87*	
		For >5 To 10, Deduct	*-5.01*	
		For >10 To 25, Deduct	*-10.02*	
		For >25, Deduct	*-15.03*	
		For Backroll, Add	*9.31*	
09 91 23 00-0266	EA	1 Coat Primer, Sprayed, Both Faces, Paint Interior Metal Door	97.41	
		For Electrostatic Painting, Add	*17.51*	
		For Half Louvered Door, Add	*6.85*	
		For Full Louvered Door, Add	*11.41*	
		For Oil Based Paint, Add	*7.46*	
		For >5 To 10, Deduct	*-4.87*	
		For >10 To 25, Deduct	*-9.74*	
		For >25, Deduct	*-14.61*	
		For Backroll, Add	*9.44*	
09 91 23 00-0267	EA	1 Coat Paint, Sprayed, Both Faces, Paint Interior Metal Door	97.41	
		For Electrostatic Painting, Add	*17.51*	
		For Half Louvered Door, Add	*6.85*	
		For Full Louvered Door, Add	*11.41*	
		For Oil Based Paint, Add	*7.46*	
		For >5 To 10, Deduct	*-4.87*	
		For >10 To 25, Deduct	*-9.74*	
		For >25, Deduct	*-14.61*	
		For Backroll, Add	*9.44*	
09 91 23 00-0268	EA	2 Coats Paint, Sprayed, Both Faces, Paint Interior Metal Door	180.76	
		For Electrostatic Painting, Add	*33.60*	
		For Half Louvered Door, Add	*11.59*	
		For Full Louvered Door, Add	*19.31*	
		For Oil Based Paint, Add	*14.21*	
		For >5 To 10, Deduct	*-9.04*	
		For >10 To 25, Deduct	*-18.08*	
		For >25, Deduct	*-27.11*	
		For Backroll, Add	*16.76*	

09 91 23 00-0269 Paint Interior Wood Doors *(09 91 23 00-0248)*

09 91 23 00-0270	EA	1 Coat Primer, Brush/Roller Work, One Face, Paint Interior Wood Door	51.50	
		For Oil Based Paint, Add	*3.47*	
		For Half Louvered Door, Add	*5.05*	
		For Full Louvered Door, Add	*8.42*	
		For >5 To 10, Deduct	*-2.58*	
		For >10 To 25, Deduct	*-5.15*	
		For >25, Deduct	*-7.73*	
09 91 23 00-0271	EA	1 Coat Paint, Brush/Roller Work, One Face, Paint Interior Wood Door	51.50	
		For Oil Based Paint, Add	*3.47*	
		For Half Louvered Door, Add	*5.05*	
		For Full Louvered Door, Add	*8.42*	
		For >5 To 10, Deduct	*-2.58*	
		For >10 To 25, Deduct	*-5.15*	
		For >25, Deduct	*-7.73*	
09 91 23 00-0272	EA	2 Coats Paint, Brush/Roller Work, One Face, Paint Interior Wood Door	92.31	
		For Oil Based Paint, Add	*6.39*	
		For Half Louvered Door, Add	*8.53*	
		For Full Louvered Door, Add	*14.22*	
		For >5 To 10, Deduct	*-4.62*	
		For >10 To 25, Deduct	*-9.23*	
		For >25, Deduct	*-13.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0273	EA	1 Coat Primer, Brush/Roller Work, Both Faces, Paint Interior Wood Door	92.41	
		For Oil Based Paint, Add	*6.22*	
		For Half Louvered Door, Add	*9.05*	
		For Full Louvered Door, Add	*15.09*	
		For >5 To 10, Deduct	*-4.62*	
		For >10 To 25, Deduct	*-9.24*	
		For >25, Deduct	*-13.86*	
09 91 23 00-0274	EA	1 Coat Paint, Brush/Roller Work, Both Faces, Paint Interior Wood Door	92.41	
		For Oil Based Paint, Add	*6.22*	
		For Half Louvered Door, Add	*9.05*	
		For Full Louvered Door, Add	*15.09*	
		For >5 To 10, Deduct	*-4.62*	
		For >10 To 25, Deduct	*-9.24*	
		For >25, Deduct	*-13.86*	
09 91 23 00-0275	EA	2 Coats Paint, Brush/Roller Work, Both Faces, Paint Interior Wood Door	166.22	
		For Oil Based Paint, Add	*11.52*	
		For Half Louvered Door, Add	*15.32*	
		For Full Louvered Door, Add	*25.53*	
		For >5 To 10, Deduct	*-8.31*	
		For >10 To 25, Deduct	*-16.62*	
		For >25, Deduct	*-24.93*	
09 91 23 00-0276	EA	1 Coat Primer, Sprayed, One Face, Paint Interior Wood Door	45.08	
		For Oil Based Paint, Add	*3.24*	
		For Half Louvered Door, Add	*3.82*	
		For Full Louvered Door, Add	*6.37*	
		For >5 To 10, Deduct	*-2.25*	
		For >10 To 25, Deduct	*-4.51*	
		For >25, Deduct	*-6.76*	
		For Backroll, Add	*4.80*	
09 91 23 00-0277	EA	1 Coat Paint, Sprayed, One Face, Paint Interior Wood Door	45.08	
		For Oil Based Paint, Add	*3.24*	
		For Half Louvered Door, Add	*3.82*	
		For Full Louvered Door, Add	*6.37*	
		For >5 To 10, Deduct	*-2.25*	
		For >10 To 25, Deduct	*-4.51*	
		For >25, Deduct	*-6.76*	
		For Backroll, Add	*4.80*	
09 91 23 00-0278	EA	2 Coats Paint, Sprayed, One Face, Paint Interior Wood Door	82.01	
		For Oil Based Paint, Add	*6.05*	
		For Half Louvered Door, Add	*6.45*	
		For Full Louvered Door, Add	*10.76*	
		For >5 To 10, Deduct	*-4.10*	
		For >10 To 25, Deduct	*-8.20*	
		For >25, Deduct	*-12.30*	
		For Backroll, Add	*8.40*	
09 91 23 00-0279	EA	1 Coat Primer, Sprayed, Both Faces, Paint Interior Wood Door	80.91	
		For Oil Based Paint, Add	*5.81*	
		For Half Louvered Door, Add	*6.85*	
		For Full Louvered Door, Add	*11.41*	
		For >5 To 10, Deduct	*-4.05*	
		For >10 To 25, Deduct	*-8.09*	
		For >25, Deduct	*-12.14*	
		For Backroll, Add	*8.61*	
09 91 23 00-0280	EA	1 Coat Paint, Sprayed, Both Faces, Paint Interior Wood Door	80.91	
		For Oil Based Paint, Add	*5.81*	
		For Half Louvered Door, Add	*6.85*	
		For Full Louvered Door, Add	*11.41*	
		For >5 To 10, Deduct	*-4.05*	
		For >10 To 25, Deduct	*-8.09*	
		For >25, Deduct	*-12.14*	
		For Backroll, Add	*8.61*	
09 91 23 00-0281	EA	2 Coats Paint, Sprayed, Both Faces, Paint Interior Wood Door	147.76	
		For Oil Based Paint, Add	*10.91*	
		For Half Louvered Door, Add	*11.59*	
		For Full Louvered Door, Add	*19.31*	
		For >5 To 10, Deduct	*-7.39*	
		For >10 To 25, Deduct	*-14.78*	
		For >25, Deduct	*-22.16*	
		For Backroll, Add	*15.11*	

09 91 23 00-0282 Paint Interior Metal Windows *(09 91 23 00-0248)*

Note: Two finish coats paint over rust inhibitive primer.

09 91 23 00-0283	EA	Up To 8 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	92.85	
		For Oil Based Paint, Add	*5.51*	
		For Electrostatic Painting, Add	*11.89*	
		For >5 To 10, Deduct	*-4.64*	
		For >10 To 25, Deduct	*-9.29*	
		For >25, Deduct	*-13.93*	
09 91 23 00-0284	EA	>8 To 14 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	113.92	
		For Oil Based Paint, Add	*7.04*	
		For Electrostatic Painting, Add	*15.42*	
		For >5 To 10, Deduct	*-5.70*	
		For >10 To 25, Deduct	*-11.39*	
		For >25, Deduct	*-17.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0285	EA	>14 To 20 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	154.24	
		For Oil Based Paint, Add	*9.62*	
		For Electrostatic Painting, Add	*21.15*	
		For >5 To 10, Deduct	*-7.71*	
		For >10 To 25, Deduct	*-15.42*	
		For >25, Deduct	*-23.14*	
09 91 23 00-0286	EA	>20 To 26 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	173.75	
		For Oil Based Paint, Add	*10.84*	
		For Electrostatic Painting, Add	*23.85*	
		For >5 To 10, Deduct	*-8.69*	
		For >10 To 25, Deduct	*-17.38*	
		For >25, Deduct	*-26.06*	
09 91 23 00-0287	EA	>26 To 34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	192.55	
		For Oil Based Paint, Add	*12.00*	
		For Electrostatic Painting, Add	*26.37*	
		For >5 To 10, Deduct	*-9.63*	
		For >10 To 25, Deduct	*-19.26*	
		For >25, Deduct	*-28.88*	
09 91 23 00-0288	SF	>34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	6.10	
		For Oil Based Paint, Add	*0.38*	
		For Electrostatic Painting, Add	*0.83*	

09 91 23 00-0289 Paint Interior Wood Windows *(09 91 23 00-0248)*

Note: Two finish coats paint over primer.

09 91 23 00-0290	EA	Up To 8 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	87.30	
		For Oil Based Paint, Add	*4.96*	
		For >5 To 10, Deduct	*-4.37*	
		For >10 To 25, Deduct	*-8.73*	
		For >25, Deduct	*-13.10*	
09 91 23 00-0291	EA	>8 To 14 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	105.35	
		For Oil Based Paint, Add	*6.18*	
		For >5 To 10, Deduct	*-5.27*	
		For >10 To 25, Deduct	*-10.54*	
		For >25, Deduct	*-15.80*	
09 91 23 00-0292	EA	>14 To 20 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	149.58	
		For Oil Based Paint, Add	*8.78*	
		For >5 To 10, Deduct	*-7.48*	
		For >10 To 25, Deduct	*-14.96*	
		For >25, Deduct	*-22.44*	
09 91 23 00-0293	EA	>20 To 26 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	168.43	
		For Oil Based Paint, Add	*9.89*	
		For >5 To 10, Deduct	*-8.42*	
		For >10 To 25, Deduct	*-16.84*	
		For >25, Deduct	*-25.26*	
09 91 23 00-0294	EA	>26 To 34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	177.42	
		For Oil Based Paint, Add	*10.49*	
		For >5 To 10, Deduct	*-8.87*	
		For >10 To 25, Deduct	*-17.74*	
		For >25, Deduct	*-26.61*	
09 91 23 00-0295	SF	>34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	5.92	
		For Oil Based Paint, Add	*0.35*	

09 91 23 00-0296 Paint Interior Security Screens *(09 91 23 00-0248)*

09 91 23 00-0297	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Security Screen	1.51	
		For Oil Based Paint, Add	*0.10*	
		For Electrostatic Painting, Add	*0.21*	
09 91 23 00-0298	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Security Screen	1.51	
		For Oil Based Paint, Add	*0.09*	
		For Electrostatic Painting, Add	*0.19*	
09 91 23 00-0299	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Security Screen	2.50	
		For Oil Based Paint, Add	*0.15*	
		For Electrostatic Painting, Add	*0.33*	

09 91 23 00-0300 Paint Interior Window Guards *(09 91 23 00-0248)*

09 91 23 00-0301	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Metal Window Guards	1.51	
		For Oil Based Paint, Add	*0.10*	
09 91 23 00-0302	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Metal Window Guards	1.51	
		For Oil Based Paint, Add	*0.09*	
09 91 23 00-0303	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Metal Window Guards	2.50	
		For Oil Based Paint, Add	*0.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0304		**Paint Interior Window Trim** *(09 91 23 00-0248)*		
09 91 23 00-0305	LF	1 Coat Primer, Brush/Roller Work, Paint Interior Wood Window Frame And Trim	1.42	
		For Oil Based Paint, Add	*0.09*	
		For Painting One Face Of Frame Only, Deduct	*-0.41*	
09 91 23 00-0306	LF	1 Coat Paint, Brush/Roller Work, Paint Interior Wood Window Frame And Trim	1.42	
		For Oil Based Paint, Add	*0.09*	
		For Painting One Face Of Frame Only, Deduct	*-0.41*	
09 91 23 00-0307	LF	2 Coats Paint, Brush/Roller Work, Paint Interior Wood Window Frame And Trim	3.09	
		For Oil Based Paint, Add	*0.19*	
		For Painting One Face Of Frame Only, Deduct	*-0.87*	
09 91 23 00-0308	LF	1 Coat Primer, Brush/Roller Work, Paint Interior Metal Window Frame And Trim Note: Brush/roller work.	1.66	
		For Painting One Face Of Frame Only, Deduct	*-0.50*	
09 91 23 00-0309	LF	1 Coat Paint, Brush/Roller Work, Paint Interior Metal Window Frame And Trim Note: Brush/roller work.	1.66	
		For Painting One Face Of Frame Only, Deduct	*-0.50*	
09 91 23 00-0310	LF	2 Coats Paint, Brush/Roller Work, Paint Interior Metal Window Frame And Trim Note: Brush/roller work.	3.57	
		For Painting One Face Of Frame Only, Deduct	*-1.07*	
09 91 23 00-0311		**Paint Interior Cabinets And Casework** *(09 91 23)*		
09 91 23 00-0312		**Paint Interior Wood Cabinets And Casework** *(09 91 23 00-0311)*		
09 91 23 00-0313	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Wood Cabinets And Casework	1.26	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.19*	
09 91 23 00-0314	SF	1 Coat Enamel Primer And 1 Coat Alkyd Or Latex Paint, Brush/Roller Work, Paint Interior Wood Cabinets And Casework	1.73	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.26*	
09 91 23 00-0315	SF	1 Coat Enamel Primer And 2 Coats Alkyd Or Latex Paint, Brush/Roller Work, Paint Interior Wood Cabinets And Casework	2.88	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.43*	
09 91 23 00-0316		**Paint Exposed Metal Lockers And Cabinets** *(09 91 23 00-0311)*		
09 91 23 00-0317	SF	1 Coat Primer, Brush/Roller Work, Paint Exposed Metal Locker	1.40	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.21*	
09 91 23 00-0318	SF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Exposed Metal Locker	1.38	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.21*	
09 91 23 00-0319	SF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Exposed Metal Locker	2.57	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.39*	
09 91 23 00-0320		**Paint Interior Stairs** *(09 91 23)*		
09 91 23 00-0321		**Paint Interior Concrete Stairs** *(09 91 23 00-0320)* Note: Includes the riser and tread.		
09 91 23 00-0322	RSR	1 Coat Primer, Brush/Roller Work, Paint Interior Concrete Stair (To 4' Wide)	17.70	
09 91 23 00-0323	RSR	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Concrete Stair (To 4' Wide)	17.70	
09 91 23 00-0324	RSR	1 Coat Non-Slip Paint, Brush/Roller Work, Paint Interior Concrete Stair (To 4' Wide) Note: Excludes riser.	15.53	
09 91 23 00-0325	RSR	1 Coat Non-Slip Epoxy Paint, Brush/Roller Work, Paint Interior Concrete Stair (To 4' Wide) Note: Excludes riser.	33.49	
09 91 23 00-0326	RSR	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Concrete Stair (To 4' Wide)	35.41	
09 91 23 00-0327		**Paint Interior Metal Stairs** *(09 91 23 00-0320)* Note: Includes the riser and tread.		
09 91 23 00-0328	RSR	1 Coat Primer, Brush/Roller Work, Paint Interior Metal Stair (To 4' Wide)	9.85	
09 91 23 00-0329	RSR	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Metal Stair (To 4' Wide)	9.48	
09 91 23 00-0330	RSR	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Metal Stair (To 4' Wide)	18.96	
09 91 23 00-0331		**Paint Interior Wood Stairs** *(09 91 23 00-0320)* Note: Includes the riser and tread.		
09 91 23 00-0332	RSR	1 Coat Primer, Brush/Roller Work, Paint Interior Wood Stair (To 4' Wide)	9.17	
09 91 23 00-0333	RSR	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Wood Stair (To 4' Wide)	9.17	
09 91 23 00-0334	RSR	1 Coat Non-Slip Paint, Brush/Roller Work, Paint Interior Wood Stair (To 4' Wide) Note: Excludes riser.	11.25	
09 91 23 00-0335	RSR	1 Coat Non-Slip Epoxy Paint, Brush/Roller Work, Paint Interior Wood Stair (To 4' Wide) Note: Excludes riser.	29.21	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0336	RSR	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Wood Stair (To 4' Wide)	18.34	

09 91 23 00-0337 Paint Interior Stair Nosing *(09 91 23 00-0320)*

09 91 23 00-0338	LF	1 Coat Paint, Up To 2", Non-Slip, Brush Work, Paint Interior Yellow Stair Safety Strip	1.55	

09 91 23 00-0339 Paint Interior Trim *(09 91 23)*

09 91 23 00-0340 Paint Interior Metal Trim *(09 91 23 00-0339)*

09 91 23 00-0341	SF	1 Coat Primer, Brush Work, Paint Interior Exposed Metal Trim	1.25	
		For Work >15' To 20' Above Floor, Add		*0.15*
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add		*0.25*
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add		*0.40*
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add		*0.55*
		Note: Applied only to work area above 40'.		
09 91 23 00-0342	SF	1 Coat Paint, Brush Work, Paint Interior Exposed Metal Trim	1.36	
		For Work >15' To 20' Above Floor, Add		*0.17*
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add		*0.28*
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add		*0.44*
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add		*0.61*
		Note: Applied only to work area above 40'.		
09 91 23 00-0343	SF	2 Coats Paint, Brush Work, Paint Interior Exposed Metal Trim	2.47	
		For Work >15' To 20' Above Floor, Add		*0.30*
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add		*0.49*
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add		*0.79*
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add		*1.08*
		Note: Applied only to work area above 40'.		
09 91 23 00-0344	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Exposed Metal Trim	1.06	
		For Work >15' To 20' Above Floor, Add		*0.12*
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add		*0.20*
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add		*0.32*
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add		*0.45*
		Note: Applied only to work area above 40'.		
09 91 23 00-0345	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Exposed Metal Trim	1.14	
		For Work >15' To 20' Above Floor, Add		*0.13*
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add		*0.22*
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add		*0.36*
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add		*0.49*
		Note: Applied only to work area above 40'.		
09 91 23 00-0346	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Exposed Metal Trim	2.07	
		For Work >15' To 20' Above Floor, Add		*0.24*
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add		*0.39*
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add		*0.63*
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add		*0.86*
		Note: Applied only to work area above 40'.		

09 91 23 00-0347 Paint Interior Wood Trim *(09 91 23 00-0339)*

09 91 23 00-0348	LF	1 Coat Primer, Brush Work, Paint Interior Wood Trim To 6" Wide	0.78	
		For Work >15' To 20' Above Floor, Add		*0.11*
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add		*0.18*
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add		*0.28*
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add		*0.39*
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add		*0.04*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0349	LF	1 Coat Paint, Brush Work, Paint Interior Wood Trim To 6" Wide	0.86	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.05*	
09 91 23 00-0350	LF	2 Coats Paint, Brush Work, Paint Interior Wood Trim To 6" Wide	1.78	
		For Work >15' To 20' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.66*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.91*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.10*	
09 91 23 00-0351	SF	1 Coat Primer, Brush Work, Paint Interior Wood Trim	2.41	
		For Work >15' To 20' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.83*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.14*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.14*	
09 91 23 00-0352	SF	1 Coat Paint, Brush Work, Paint Interior Wood Trim	2.67	
		For Work >15' To 20' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.92*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.26*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.15*	
09 91 23 00-0353	SF	2 Coats Paint, Brush Work, Paint Interior Wood Trim	4.85	
		For Work >15' To 20' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*1.03*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*1.64*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*2.26*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.28*	
09 91 23 00-0354	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Wood Trim	1.99	
		For Work >15' To 20' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.66*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.91*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.12*	
09 91 23 00-0355	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Wood Trim	2.22	
		For Work >15' To 20' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.74*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.01*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.13*	
09 91 23 00-0356	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Wood Trim	4.01	
		For Work >15' To 20' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.82*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*1.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.79*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.24*	

09 91 23 00-0357 Paint Interior Metal Surfaces *(09 91 23)*

09 91 23 00-0358 Paint Interior Miscellaneous Metal Surfaces *(09 91 23 00-0357)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0359	SF	1 Coat Alkyd Anticorrosive Metal Primer, Brush/Roller Work, Paint Interior Miscellaneous Metal Surfaces	0.86	
		For Electrostatic Painting, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 23 00-0360	SF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Miscellaneous Metal Surfaces	1.03	
		For Electrostatic Painting, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.21*	
09 91 23 00-0361	SF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Miscellaneous Metal Surfaces	1.82	
		For Electrostatic Painting, Add	*0.25*	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.55*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.75*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.10*	
		For >100 To 250, Add	*0.52*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.27*	
		For >20,000, Deduct	*-0.36*	
09 91 23 00-0362	SF	1 Coat Alkyd Anticorrosive Metal Primer, Sprayed, Paint Interior Miscellaneous Metal Surfaces	1.19	
		For Electrostatic Painting, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
		For Backroll, Add	*0.15*	
09 91 23 00-0363	SF	1 Coat Alkyd Enamel Paint, Sprayed, Paint Interior Miscellaneous Metal Surfaces	1.19	
		For Electrostatic Painting, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
		For Backroll, Add	*0.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0364	SF	2 Coats Alkyd Enamel Paint, Sprayed, Paint Interior Miscellaneous Metal Surfaces	1.93	
		For Electrostatic Painting, Add	*0.27*	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.77*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.13*	
		For >100 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.39*	
		For Backroll, Add	*0.24*	
09 91 23 00-0365	LF	1 Coat Alkyd Enamel, Cut-in Brush Work, Paint Interior Miscellaneous Exposed Metal	0.17	
		For Electrostatic Painting, Add	*0.02*	
		For Work >15' To 20' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.10*	
		For >100 To 250, Add	*0.05*	
		For >250 To 500, Add	*0.02*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.03*	

09 91 23 00-0366 Paint Additives *(09 91 23)*

09 91 23 00-0367	SF	Mildewcide/Mold Killing Paint Additive Per Each Coat	0.02	
09 91 23 00-0368	SF	Class "B" Fire Rating, Fire Resistant Paint Additive	0.08	
		For Class "A" Fire Rating, Add	*0.08*	

09 91 23 00-0369 Hand Painting Letters/Numbers *(09 91 23)*

Note: Painting on walls, floors, poles, signs, etc.

09 91 23 00-0370	EA	Up To 1" High, Hand Paint, Per Letter/Number	2.40	
09 91 23 00-0371	EA	1" To 2" High, Hand Paint, Per Letter/Number	2.79	
09 91 23 00-0372	EA	2" To 3" High, Hand Paint, Per Letter/Number	4.22	
09 91 23 00-0373	EA	3" To 4" High, Hand Paint, Per Letter/Number	5.16	
09 91 23 00-0374	EA	4" To 6" High, Hand Paint, Per Letter/Number	7.12	
09 91 23 00-0375	EA	6" To 12" High, Hand Paint, Per Letter/Number	9.02	
09 91 23 00-0376	EA	Over 12" High, Hand Paint, Per Letter/Number	10.56	

09 91 23 00-0377 Glove/Mitt Application *(09 91 23)*

09 91 23 00-0378 Conduit/Pipe *(09 91 23 00-0377)*

09 91 23 00-0379	CSF	Acid Wash (Muriatic Acid) Conduit Or Pipe With Glove/Mitt	45.34	
		For Work >15' To 20' Above Floor, Add	*6.27*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*10.45*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*16.72*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*22.98*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0380	CSF	Metal Primer Conduit Or Pipe With Glove/Mitt	78.83	
		For Work >15' To 20' Above Floor, Add	*7.52*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*12.54*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*20.06*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*27.58*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0381	CSF	Enamel Paint, Oil Base Paint, First Coat Conduit Or Pipe With Glove/Mitt	62.61	
		For Work >15' To 20' Above Floor, Add	*5.52*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*9.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*14.71*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*20.22*	
		Note: Applied only to work area above 40'.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0382	CSF	Enamel Paint, Oil Base Paint, Second Coat Conduit Or Pipe With Glove/Mitt	51.78	
		For Work >15' To 20' Above Floor, Add	*4.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*6.90*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*11.03*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*15.17*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0383	CSF	Epoxy Paint, First Coat Conduit Or Pipe With Glove/Mitt	100.15	
		For Work >15' To 20' Above Floor, Add	*6.27*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*10.45*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*16.72*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*22.98*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0384	CSF	Epoxy Paint, Second Coat Conduit Or Pipe With Glove/Mitt	92.71	
		For Work >15' To 20' Above Floor, Add	*5.52*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*9.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*14.71*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*20.22*	
		Note: Applied only to work area above 40'.		

09 91 23 00-0385 Ductwork *(09 91 23 00-0377)*

09 91 23 00-0386	CSF	Acid Wash (Muriatic Acid) Ductwork With Glove/Mitt	45.34	
		For Work >15' To 20' Above Floor, Add	*6.27*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*10.45*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*16.72*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*22.98*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0387	CSF	Metal Primer Ductwork With Glove/Mitt	75.79	
		For Work >15' To 20' Above Floor, Add	*6.27*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*10.45*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*16.72*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*22.98*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0388	CSF	Enamel Paint, Oil Base Paint Ductwork With Glove/Mitt	56.89	
		For Work >15' To 20' Above Floor, Add	*5.01*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*8.36*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*13.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*18.39*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0389	CSF	Epoxy Paint, First Coat Ductwork With Glove/Mitt	95.96	
		For Work >15' To 20' Above Floor, Add	*6.27*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*10.45*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*16.72*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*22.98*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0390	CSF	Epoxy Paint, Second Coat Ductwork With Glove/Mitt	84.21	
		For Work >15' To 20' Above Floor, Add	*5.01*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*8.36*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*13.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*18.39*	
		Note: Applied only to work area above 40'.		

09 91 23 00-0391 Stencil Painting Letters/Numbers *(09 91 23)*

Note: Painting on walls, floors, poles, etc. Includes stencil cutout and paint.

09 91 23 00-0392	EA	Up To 1" High, Stencil Painting, Per Letter/Number	1.98	
		For >200 To 500, Deduct	*-0.16*	
		For >500 To 1,000, Deduct	*-0.25*	
		For >1,000 To 2,000, Deduct	*-0.32*	
		For >2,000, Deduct	*-0.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0393	EA	1" To 2" High, Stencil Painting, Per Letter/Number	2.28	
		For >200 To 500, Deduct	*-0.18*	
		For >500 To 1,000, Deduct	*-0.29*	
		For >1,000 To 2,000, Deduct	*-0.36*	
		For >2,000, Deduct	*-0.46*	
09 91 23 00-0394	EA	2" To 3" High, Stencil Painting, Per Letter/Number	3.81	
		For >200 To 500, Deduct	*-0.30*	
		For >500 To 1,000, Deduct	*-0.48*	
		For >1,000 To 2,000, Deduct	*-0.61*	
		For >2,000, Deduct	*-0.76*	
09 91 23 00-0395	EA	3" To 4" High, Stencil Painting, Per Letter/Number	4.68	
		For >200 To 500, Deduct	*-0.37*	
		For >500 To 1,000, Deduct	*-0.59*	
		For >1,000 To 2,000, Deduct	*-0.75*	
		For >2,000, Deduct	*-0.94*	
09 91 23 00-0396	EA	4" To 6" High, Stencil Painting, Per Letter/Number	6.43	
		For >200 To 500, Deduct	*-0.51*	
		For >500 To 1,000, Deduct	*-0.80*	
		For >1,000 To 2,000, Deduct	*-1.03*	
		For >2,000, Deduct	*-1.29*	
09 91 23 00-0397	EA	6" To 12" High, Stencil Painting, Per Letter/Number	8.53	
		For >200 To 500, Deduct	*-0.68*	
		For >500 To 1,000, Deduct	*-1.07*	
		For >1,000 To 2,000, Deduct	*-1.36*	
		For >2,000, Deduct	*-1.71*	
09 91 23 00-0398	EA	Over 12" High, Stencil Painting, Per Letter/Number	10.05	
		For >200 To 500, Deduct	*-0.80*	
		For >500 To 1,000, Deduct	*-1.26*	
		For >1,000 To 2,000, Deduct	*-1.61*	
		For >2,000, Deduct	*-2.01*	

09 91 33 Painting Materials *(09 91)*

Note: Paint per gallon for owners to obtain extra paint. Not to be used in conjunction with other painting tasks.

09 91 33 00-0001 Primer *(09 91 33)*

09 91 33 00-0002	GAL	Alkyd Primer/Sealer, Interior, 500 SF Per Gallon	64.77
09 91 33 00-0003	GAL	Alkyd Wood Primer, Exterior, 400 SF Per Gallon	43.27
09 91 33 00-0004	GAL	Prime Coat Oil Wood Primer, 310 SF Per Gallon	54.87
09 91 33 00-0005	GAL	Catalyzed Epoxy Primer, Two Component Type, 425 SF Per Gallon	148.22
09 91 33 00-0006	EA	Cement Base Primer, 25 Lb. Sack	45.25
09 91 33 00-0007	GAL	Alkali Resistant Concrete And Masonry Primer, Exterior, 225 SF Per Gallon	69.76
09 91 33 00-0008	GAL	Alkali Resistant Concrete And Masonry Primer, Interior, 225 SF Per Gallon	56.00
09 91 33 00-0009	GAL	Acrylic Latex Primer, Flat Exterior, Fast Drying Wood Undercoat And Back Primer, 400 SF per Gallon	43.27
09 91 33 00-0010	GAL	Acrylic (Vinyl Acrylic) Block Filler, 50 SF Per Gallon	39.31
09 91 33 00-0011	GAL	Acrylic (Vinyl Acrylic) Rust Inhibiting Metal, Primer - 500 SF Per Gallon: Paint - 260 SF Per Gallon	69.29
09 91 33 00-0012	GAL	Acrylic Heavy-Duty Wall Primer/Sealer, Low Odor Type, Alkali-Resistant, 800 SF Per Gallon	57.70
09 91 33 00-0013	GAL	Acrylic (Vinyl Acrylic) Undercoat, All Purpose, Interior/Exterior, 500 SF Per Gallon	57.70
09 91 33 00-0014	GAL	Latex Wood Primer, Exterior, 300 SF Per Gallon	65.05
09 91 33 00-0015	GAL	Linseed (Oil Base) Primer, Exterior/Interior, 300 SF Per Gallon	42.42
09 91 33 00-0016	GAL	Red Alkyd Primer, 500 SF Per Gallon	110.85
09 91 33 00-0017	GAL	Wood Sealer/Primer, Interior, Clear, 600 SF Per Gallon	45.25
09 91 33 00-0018	GAL	Zinc Chromate Primer, 300 SF Per Gallon	36.20
09 91 33 00-0019	GAL	Zinc Dust/Zinc Oxide Primer, 300 SF Per Gallon	93.62
09 91 33 00-0020	GAL	Stain Killer, Alcohol Base	58.38
09 91 33 00-0021	GAL	Sealer, Primer Kilz, 400 SF Per Gallon	65.87

09 91 33 00-0022 Paint *(09 91 33)*

09 91 33 00-0023	GAL	Aluminum Fiber Roof Coat On Composition Roof, 50 SF Per Gallon	31.68
09 91 33 00-0024	GAL	Acrylic Urethane Sealer	157.06
09 91 33 00-0025	GAL	Asphalt-Fiber Roof And Foundation Coating, Solvent Type Note: 75 SF per gallon on roof or concrete, 100 SF per gallon on metal.	16.97
09 91 33 00-0026	GAL	Concrete Enamel Epoxy, 350 SF Per Gallon	98.14
09 91 33 00-0027	GAL	Concrete Acrylic Sealer, 400 SF Per Gallon	51.47
09 91 33 00-0028	GAL	Tar Emulsion, Driveway Coating, 120 SF Per Gallon	21.81
09 91 33 00-0029	GAL	Acrylic Latex, Driveway Coating, 250 SF Per Gallon	33.08
09 91 33 00-0030	GAL	Exterior, Oil Base, Gloss Enamel, 400 SF Per Gallon	90.23
09 91 33 00-0031	GAL	Exterior, Oil Base, Gloss, 400 SF Per Gallon	89.07
09 91 33 00-0032	GAL	Exterior, Oil Base, Semi-Gloss, 400 SF Per Gallon	72.71
09 91 33 00-0033	GAL	Exterior, Flat, Oil Base	66.65
09 91 33 00-0034	GAL	Exterior, Latex, Semi-Gloss, 400 SF Per Gallon	63.26
09 91 33 00-0035	GAL	Exterior, Flat Latex, Trim Paint, 500 SF Per Gallon	74.53
09 91 33 00-0036	GAL	Exterior, Latex Flat Paint, 300 SF Per Gallon	66.17
09 91 33 00-0037	GAL	Exterior, Water Base, Latex Gloss Enamel	94.19
09 91 33 00-0038	GAL	Cold Galvanizing Paint	363.46
09 91 33 00-0039	GAL	High Heat Paint	156.94
09 91 33 00-0040	GAL	Heat Resistant Paint	104.63
09 91 33 00-0041	GAL	Zinc Chromate Paint	94.66
09 91 33 00-0042	QT	Anti-Rust Enamel, 500 SF Per Quart	37.37
09 91 33 00-0043	GAL	Rust Inhibitor, Ferrous Metal	104.63
09 91 33 00-0044	GAL	Masonry Waterproofing, 100 SF Per Gallon	66.17
09 91 33 00-0045	GAL	Alkyd Latex, Black	77.64

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 33 00-0046	GAL	Alkyd Latex, White	70.58	
09 91 33 00-0047	GAL	Alkyd Latex, Colors	85.11	
09 91 33 00-0048	QT	Wrought Iron Paint, Black	95.49	
09 91 33 00-0049	GAL	Vinyl Paint	86.54	
09 91 33 00-0050	GAL	Silicone Alkyd	105.21	
09 91 33 00-0051	GAL	2 Component Solvent Based Acrylic Epoxy	106.91	
09 91 33 00-0052	GAL	2 Component Solvent Based Polyester Epoxy	134.06	
09 91 33 00-0053	GAL	Chlorinated Rubber	98.42	
09 91 33 00-0054	GAL	Polyamide Epoxy Sealer	101.82	
09 91 33 00-0055	GAL	Coal Tar Epoxy	72.97	
09 91 33 00-0056	GAL	Swimming Pool Enamel, 350 SF Per Gallon	91.07	
09 91 33 00-0057	GAL	Swimming Pool Epoxy Or Urethane Base	118.79	
09 91 33 00-0058	GAL	Swimming Pool Rubber Base	81.45	
09 91 33 00-0059	GAL	Interior, Latex Flat Paint, 300 SF Per Gallon	51.76	
09 91 33 00-0060	GAL	Interior, Latex Eggshell Or Semi-Gloss Enamel, 300 SF Per Gallon	63.78	
09 91 33 00-0061	GAL	Interior, Fire-Retardant Flat Paint, 200 SF Per Gallon	106.06	
09 91 33 00-0062	GAL	Interior, Ceiling White Latex Flat, 350 SF Per Gallon	35.92	
09 91 33 00-0063	GAL	Linseed Oil	31.39	
09 91 33 00-0064	GAL	Latex Floor Paint, 300 SF Per Gallon	51.47	
09 91 33 00-0065	GAL	Acrylic Floor Paint, 400 SF Per Gallon	57.98	
09 91 33 00-0066	GAL	Textured Paint, Sand Texture Latex, Armor Coat, 100 SF Per Gallon	53.03	
09 91 33 00-0067	GAL	Acoustic Spray-On Texture, Finish	42.61	

09 91 33 00-0068 Stain, Varnish *(09 91 33)*

09 91 33 00-0069	GAL	Thompson Water Sealer, 150 SF Per Gallon	29.41	
09 91 33 00-0070	GAL	Latex Redwood Stain, Water Base, 300 SF Per Gallon	54.87	
09 91 33 00-0071	GAL	Redwood Oil Stain, 300 SF Per Gallon	48.93	
09 91 33 00-0072	GAL	Varnish, Clear	45.37	
09 91 33 00-0073	GAL	Penetrating Water-Repellent Stain	32.96	
09 91 33 00-0074	GAL	Redwood Hue Or Clear Stain	29.45	
09 91 33 00-0075	GAL	Polyurethane	51.71	
09 91 33 00-0076	GAL	Lacquer, Semi-Gloss	51.63	
09 91 33 00-0077	GAL	Shellac, Clear	67.73	
09 91 33 00-0078	GAL	Acetone	22.34	
09 91 33 00-0079	GAL	Paint Thinner	5.52	
09 91 33 00-0080	GAL	Shellac Or Lacquer Thinner	22.63	
09 91 33 00-0081	GAL	Turpentine	31.11	
09 91 33 00-0082	GAL	Wood Filler Paste	53.17	
09 91 33 00-0083	GAL	Wood Preservative, Pentachlorophenol, General Purpose, 40%, 150 SF Per Gallon	42.42	
09 91 33 00-0084	GAL	Water Based Alkyd Urethane (Sherwin Williams B53W01153)	106.51	

09 91 43 Surface Preparation *(09 91)*

09 91 43 00-0001 Protection Of Surfaces *(09 91 43)*

09 91 43 00-0002	SF	Drop Cloths Note: Remove after use.	0.41
09 91 43 00-0003	LF	Painter Masking Tape Note: Remove after use.	0.27

09 93 Staining and Transparent Finishing *(09 90)*

Note: Includes light sanding or screening between coats.

09 93 13 Exterior Staining and Finishing *(09 93)*

09 93 13 13 Exterior Staining *(09 93 13)*

09 93 13 13-0001 Wood Wall, Deck, Ceiling Finishes *(09 93 13 13)*

09 93 13 13-0002 Stain Wood Walls *(09 93 13 13-0001)*

09 93 13 13-0003 Stain Smooth Wood Walls *(09 93 13 13-0002)*

Note: Includes tongue and groove, beveled, drop or board and batten siding.

09 93 13 13-0004	SF	Stain Exterior Wood Smooth Siding, 1 Coat Stain, Brush Work	0.98
		For Work >20' To 30' Above Floor, Add	*0.19*
		Note: Applied only to work area above 20'.	
		For Up To 100, Add	*0.60*
		For >100 To 250, Add	*0.29*
		For >250 To 500, Add	*0.12*
		For >2,500 To 5,000, Deduct	*-0.05*
		For >5,000 To 10,000, Deduct	*-0.10*
		For >10,000 To 20,000, Deduct	*-0.15*
		For >20,000, Deduct	*-0.20*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 93 13 13-0005	SF	Stain Exterior Wood Smooth Siding, 2 Coats Stain, Brush Work	1.79	
		For Work >20' To 30' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*1.06*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.27*	
		For >20,000, Deduct	*-0.36*	
09 93 13 13-0006	SF	Stain Exterior Wood Smooth Siding, 1 Coat Stain, Sprayed	0.78	
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 93 13 13-0007	SF	Stain Exterior Wood Smooth Siding, 2 Coats Stain, Sprayed	1.29	
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.26*	

09 93 13 13-0008 Stain Rough Wood Walls *(09 93 13 13-0002)*

Note: Includes shingles, shakes or rough sawn siding.

09 93 13 13-0009	SF	Stain Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, 1 Coat Stain, Brush Work	1.42	
		For Work >20' To 30' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.93*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 93 13 13-0010	SF	Stain Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, 2 Coats Stain, Brush Work	2.63	
		For Work >20' To 30' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*1.69*	
		For >100 To 250, Add	*0.80*	
		For >250 To 500, Add	*0.35*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.26*	
		For >10,000 To 20,000, Deduct	*-0.39*	
		For >20,000, Deduct	*-0.53*	
09 93 13 13-0011	SF	Stain Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, 1 Coat Stain, Sprayed	1.14	
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 93 13 13-0012	SF	Stain Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, 2 Coats Stain, Sprayed	2.16	
		For Work >20' To 30' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*1.11*	
		For >100 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.32*	
		For >20,000, Deduct	*-0.43*	

09 93 13 13-0013 Stain Wood Ceilings *(09 93 13 13-0001)*

09 93 13 13-0014 Stain Smooth Wood Ceilings *(09 93 13 13-0013)*

Note: Includes tongue and groove, beveled, drop or board and batten siding.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 93 13 13-0015	SF	Stain Exterior Wood Smooth Ceiling, 1 Coat Stain, Brush Work	1.08	
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.67*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.22*	
09 93 13 13-0016	SF	Stain Exterior Wood Smooth Ceiling, 2 Coats Stain, Brush Work	1.97	
		For Work >20' To 30' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*1.20*	
		For >100 To 250, Add	*0.57*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000, Deduct	*-0.39*	
09 93 13 13-0017	SF	Stain Exterior Wood Smooth Ceiling, 1 Coat Stain, Sprayed	0.70	
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.39*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 93 13 13-0018	SF	Stain Exterior Wood Smooth Ceiling, 2 Coats Stain, Sprayed	1.31	
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.70*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
09 93 13 13-0019		Ceilings Rough Wood *(09 93 13 13-0013)*		
		Note: Includes shingles, shakes or rough sawn siding.		
09 93 13 13-0020	SF	Stain Exterior Wood Rough Ceiling, 1 Coat Stain, Brush Work	1.55	
		For Work >20' To 30' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*1.02*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.31*	
09 93 13 13-0021	SF	Stain Exterior Wood Rough Ceiling, 2 Coats Stain, Brush Work	2.72	
		For Work >20' To 30' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*1.76*	
		For >100 To 250, Add	*0.83*	
		For >250 To 500, Add	*0.36*	
		For >2,500 To 5,000, Deduct	*-0.14*	
		For >5,000 To 10,000, Deduct	*-0.27*	
		For >10,000 To 20,000, Deduct	*-0.41*	
		For >20,000, Deduct	*-0.54*	
09 93 13 13-0022	SF	Stain Exterior Wood Rough Ceiling, 1 Coat Stain, Sprayed	1.26	
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 93 13 13-0023	SF	Stain Exterior Wood Rough Ceiling, 2 Coats Stain, Sprayed	2.28	
		For Work >20' To 30' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*1.20*	
		For >100 To 250, Add	*0.59*	
		For >250 To 500, Add	*0.26*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.34*	
		For >20,000, Deduct	*-0.46*	
09 93 13 13-0024		Stain Wood Decks *(09 93 13 13-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 93 13 13-0025	SF	Stain Exterior Wood Floors And Decks, 1 Coat Stain, Brush Work	0.89	
		For Oil Based Paint, Add	*0.06*	
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 93 13 13-0026	SF	Stain Exterior Wood Floors And Decks, 2 Coats Stain, Brush Work	1.69	
		For Oil Based Paint, Add	*0.11*	
		For Up To 100, Add	*0.99*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.34*	
09 93 13 13-0027	SF	Stain Exterior Wood Floors And Decks, 1 Coat Stain, Sprayed	0.59	
		For Oil Based Paint, Add	*0.04*	
		For Up To 100, Add	*0.30*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 93 13 13-0028	SF	Stain Exterior Wood Floors And Decks, 2 Coats Stain, Sprayed	1.18	
		For Oil Based Paint, Add	*0.08*	
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	

09 93 13 13-0029 Stain Wood Posts And Trim *(09 93 13 13-0001)*

09 93 13 13-0030	SF	Stain Exterior Wood Posts And Trim, 1 Coat Stain, Brush Work	1.60	
		For Oil Based Paint, Add	*0.10*	
09 93 13 13-0031	SF	Stain Exterior Wood Posts And Trim, 2 Coats Stain, Brush Work	2.92	
		For Oil Based Paint, Add	*0.19*	
09 93 13 13-0032	SF	Stain Exterior Wood Posts And Trim, 1 Coat Stain, Sprayed	1.32	
		For Oil Based Paint, Add	*0.09*	
09 93 13 13-0033	SF	Stain Exterior Wood Posts And Trim, 2 Coats Stain, Sprayed	2.48	
		For Oil Based Paint, Add	*0.16*	

09 93 13 13-0034 Pre-Stain Wood Conditioner *(09 93 13 13)*

Note: Measured by surface area of wall or ceiling.

09 93 13 13-0035	SF	Pre-Stain Wood Conditioner, Brush/Roller Work	0.85	
		For Ceiling Work, Add	*0.09*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 20,000, Deduct	*-0.05*	
		For >20,000, Deduct	*-0.08*	

09 93 13 13-0036 Rustic Brown Stain, Field Applied (Natina Or Equal) *(09 93 13 13)*

09 93 13 13-0037	LF	Stain Existing Chain Link Fence, Up To 6' Height, Rustic Brown Finish Note: Includes posts and both sides	10.49	
09 93 13 13-0038	LF	Stain Existing Chain Link Fence, >6' To 10' Height, Rustic Brown Finish Note: Includes posts and both sides	17.48	
09 93 13 13-0039	LF	Stain Existing Cable Barrier Fence, Rustic Brown Finish Note: Includes posts and all sides	5.77	
09 93 13 13-0040	EA	Stain Existing Gate, Up To 6' Wide, Rustic Brown Finish Note: Includes posts and both sides	150.84	
09 93 13 13-0041	EA	Stain Existing Gate, >6' To 10' Wide, Rustic Brown Finish Note: Includes posts and both sides	251.38	
09 93 13 13-0042	EA	Stain Existing Gate, >10' To 16' Wide, Rustic Brown Finish Note: Includes posts and both sides	402.21	
09 93 13 13-0043	LF	Stain Existing Up To 4" Diameter Pole, Rustic Brown Finish	3.10	
09 93 13 13-0044	LF	Stain Existing 6" To 8" Diameter Pole, Rustic Brown Finish	3.98	
09 93 13 13-0045	LF	Stain Existing 10" To 12" Diameter Pole, Rustic Brown Finish	5.38	
09 93 13 13-0046	SF	Stain Existing Steel Surface, Rustic Brown Finish Note: Single side	1.22	

09 93 13 53 Exterior Finishing *(09 93 13)*

09 93 13 53-0001 Stain Sealer *(09 93 13 53)*

Note: Measured by surface area of wall or ceiling.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 93 13 53-0002	SF	Stain Sealer, Brush Work	0.93	
		For Ceiling Work, Add	*0.12*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 20,000, Deduct	*-0.05*	
		For >20,000, Deduct	*-0.08*	
09 93 13 53-0003	SF	Stain Sealer, Brush/Roller Work	0.75	
		For Ceiling Work, Add	*0.09*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.04*	
		For >20,000, Deduct	*-0.07*	
09 93 13 53-0004	SF	Stain Sealer, Sprayed	0.31	
		For Ceiling Work, Add	*0.03*	
		For >5,000 To 10,000, Deduct	*-0.01*	
		For >10,000 To 20,000, Deduct	*-0.02*	
		For >20,000, Deduct	*-0.03*	

09 93 23 Interior Staining and Finishing *(09 93)*

Note: VOC compliant in all regulated areas, review specifications for levels.

09 93 23 13 Interior Staining *(09 93 23)*

09 93 23 13-0001 Stain Wood Trim *(09 93 23 13)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 93 23 13-0002	LF	Stain Wood Trim, Up To 6" Wide, 1 Coat Stain, With Brush And Wipe Off	1.13	
		For Up To 100, Add	*0.80*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.16*	
		For >4,000, Deduct	*-0.06*	
09 93 23 13-0003	SF	Stain Wood Trim, 1 Coat Stain, With Brush And Wipe Off	1.68	
		For Up To 100, Add	*1.17*	
		For >100 To 250, Add	*0.55*	
		For >250 To 500, Add	*0.24*	
		For >4,000, Deduct	*-0.08*	

09 93 23 13-0004 Stain Wood Floor *(09 93 23 13)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 93 23 13-0005	SF	Stain Or Varnish Wood Floor, 1 Coat Stain, Brush Work	0.56	
		For Up To 100, Add	*0.33*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >4,000, Deduct	*-0.03*	
09 93 23 13-0006	SF	Stain Or Varnish Wood Floor, 1 Coat Stain, Brush/Roller Work	0.42	
		For Up To 100, Add	*0.23*	
		For >100 To 250, Add	*0.11*	
		For >250 To 500, Add	*0.05*	
		For >4,000, Deduct	*-0.02*	

09 93 23 13-0007 Stain Wood Door And Window *(09 93 23 13)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 93 23 13-0008	EA	Stain Wood Door, 1 Coat Stain With Brush And Wipe Off Wood Door (Per Face)	54.12	
		For Up To 4, Add	*39.21*	
		For >4 To 10, Add	*18.37*	
		For >10 To 20, Add	*7.89*	
		For >160, Deduct	*-2.71*	
09 93 23 13-0009	EA	Stain Wood Window, 1 Coat Stain With Brush And Wipe Off Wood Window And Frame (Per Face)	38.90	
		For Up To 4, Add	*27.14*	
		For >4 To 10, Add	*12.77*	
		For >10 To 20, Add	*5.50*	
		For >160, Deduct	*-1.95*	

09 93 23 13-0010 Stain Wood Cabinet *(09 93 23 13)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 93 23 13-0011	SF	Stain Cabinet, 1 Coat Stain With Brush And Wipe	1.35	

09 93 23 53 Interior Finishing *(09 93 23)*

09 93 23 53-0001 Concrete Finishes *(09 93 23 53)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 93 23 53-0002	SF	Finish Concrete Floor, 1 Coat Polyurethane	0.85	
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >4,000, Deduct	*-0.04*	

09 93 23 53-0003 Wood Trim Finishes *(09 93 23 53)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 93 23 53-0004	SF	Finish Wood Trim, 1 Coat Sealer And 1 Coat Varnish Or Polyurethane	1.40	
		For Up To 100, Add	*0.91*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
		For >4,000, Deduct	*-0.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 93 23 53-0005	SF	Finish Wood Trim, 1 Coat Varnish Or Polyurethane	0.92	
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >4,000, Deduct	*-0.05*	

09 93 23 53-0006 Wood Door And Window Finishes *(09 93 23 53)*

09 93 23 53-0007	EA	Varnish Or Polyurethane Wood Door, 1 Coat Shellac (Per Face)	39.13	
		For Up To 4, Add	*28.26*	
		For >4 To 10, Add	*13.24*	
		For >10 To 20, Add	*5.69*	
		For >160, Deduct	*-1.96*	
09 93 23 53-0008	EA	Varnish Or Polyurethane Wood Door, 3 Coats Shellac, With Light Sanding Between Coats (Per Face)	119.25	
		For Up To 4, Add	*84.42*	
		For >4 To 10, Add	*39.65*	
		For >10 To 20, Add	*17.05*	
		For >160, Deduct	*-5.96*	

09 93 23 53-0009 Wood Floor Finishes *(09 93 23 53)*

09 93 23 53-0010	SF	Refinish Wood Floor, 2 Coats Polyurethane Note: Includes sanding existing floor.	3.14	
		For Up To 100, Add	*2.21*	
		For >100 To 250, Add	*1.04*	
		For >250 To 500, Add	*0.45*	
		For >4,000, Deduct	*-0.16*	
09 93 23 53-0011	SF	Polyurethane Wood Floor, 1 Coat Polyurethane, With Wool Applicator Or Brush Work Note: Includes screening between coats.	0.71	
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.09*	
		For >4,000, Deduct	*-0.04*	
09 93 23 53-0012	SF	Refinish Wood Floor, 1 Coat Sealer And 2 Coats Polyurethane Note: Includes sanding existing floor.	3.58	
		For Up To 100, Add	*2.49*	
		For >100 To 250, Add	*1.17*	
		For >250 To 500, Add	*0.50*	
		For >4,000, Deduct	*-0.18*	

09 93 23 53-0013 Cabinet Finishes *(09 93 23 53)*

09 93 23 53-0014	SF	Finish Cabinet, 1 Coat Shellac, Varnish Or Polyurethane	1.36	

09 93 23 53-0015 Gym, Stage And Dance Floor Finishes *(09 93 23 53)*

09 93 23 53-0016	SF	Yearly Maintenance Refinish Of Gym, Stage Or Dance Floor Note: Includes screening, one coat of finish and buffing. Excludes repainting of game lines.	0.88	
09 93 23 53-0017	SF	Finish New Elementary School Wood Gym, Stage Or Dance Floor Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	3.87	
		For Stage Or Dance Floors, Deduct	*-0.08*	
09 93 23 53-0018	SF	Finish New Middle Or Junior School Wood Gym, Stage Or Dance Floor Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	3.96	
		For Stage Or Dance Floors, Deduct	*-0.08*	
09 93 23 53-0019	SF	Finish New High School Wood Gym, Stage Or Dance Floor Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	4.04	
		For Stage Or Dance Floors, Deduct	*-0.08*	
09 93 23 53-0020	SF	Refinish Existing Elementary School Wood Gym, Stage Or Dance Floor Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	3.87	
		For Stage Or Dance Floors, Deduct	*-0.08*	
09 93 23 53-0021	SF	Refinish Existing Middle Or Junior School Wood Gym, Stage Or Dance Floor Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	3.96	
		For Stage Or Dance Floors, Deduct	*-0.08*	
09 93 23 53-0022	SF	Refinish Existing High School Wood Gym, Stage Or Dance Floor Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	4.04	
		For Stage Or Dance Floors, Deduct	*-0.08*	
09 93 23 53-0023	EA	Minimum Service Charge For Repair Of Wood Gym, Stage Or Dance Floor	675.88	

09 96 High-Performance Coatings *(09 90)*

09 96 23 Graffiti-Resistant Coatings *(09 96)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 96 23 00-0001 Anti-Graffiti Coating *(09 96 23)*

09 96 23 00-0002	SF	Sacrificial Anti-Graffiti Coating, Per Coat	1.46	
		For Up To 100, Add	*0.85*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
09 96 23 00-0003	SF	Permanent (Non-Sacrificial) Anti-Graffiti Coating, Per Coat	1.57	
		For Up To 100, Add	*0.87*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	

09 96 53 Elastomeric Coatings *(09 96)*

09 96 53 00-0001 Elastomeric *(09 96 53)*

Note: Per coat.

09 96 53 00-0002	SF	1 Coat, 5.3 To 8 Wet Mils, Brush Work, Elastomeric Primer Applied To Walls And Floors	0.87	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 96 53 00-0003	SF	1 Coat, 5.3 To 8 Wet Mils, Brush/Roller Work, Elastomeric Primer Applied To Walls And Floors	0.75	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 96 53 00-0004	SF	1 Coat, 5.3 To 8 Wet Mils, Sprayed, Elastomeric Primer Applied To Walls And Floors	0.68	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.37*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.14*	
09 96 53 00-0005	SF	1 Coat, 13 To 16 Wet Mils, Brush Work, Elastomeric Paint Applied To Walls And Floors	1.98	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.78*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000, Deduct	*-0.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 96 53 00-0006	SF	1 Coat, 13 To 16 Wet Mils, Brush/Roller Work, Elastomeric Paint Applied To Walls And Floors	1.85	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000, Deduct	*-0.37*	
09 96 53 00-0007	SF	1 Coat, 13 To 16 Wet Mils, Sprayed, Elastomeric Paint Applied To Walls And Floors	2.10	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.32*	
		For >20,000, Deduct	*-0.42*	
09 96 53 00-0008	SF	1 Coat, 5.3 To 8 Wet Mils, Brush Work, Elastomeric Primer Applied To Ceilings And Overhead	0.98	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 96 53 00-0009	SF	1 Coat, 5.3 To 8 Wet Mils, Brush/Roller Work, Elastomeric Primer Applied To Ceilings And Overhead	0.84	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 96 53 00-0010	SF	1 Coat, 5.3 To 8 Wet Mils, Sprayed, Elastomeric Primer Applied To Ceilings And Overhead	0.75	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 96 53 00-0011	SF	1 Coat, 13 To 16 Wet Mils, Brush Work, Elastomeric Paint Applied To Ceilings And Overhead	2.11	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.87*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.32*	
		For >20,000, Deduct	*-0.42*	
09 96 53 00-0012	SF	1 Coat, 13 To 16 Wet Mils, Brush/Roller Work, Elastomeric Paint Applied To Ceilings And Overhead	1.96	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.76*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.39*	
09 96 53 00-0013	SF	1 Coat, 13 To 16 Wet Mils, Sprayed, Elastomeric Paint Applied To Ceilings And Overhead	2.19	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.33*	
		For >20,000, Deduct	*-0.44*	
09 96 53 00-0014	SF	1 Coat, 20 Wet Mils, Brush Work, Two-Part Elastomeric Epoxy Paint Applied To Walls And Floors (Sherwin Williams RESUFLOR 3555V)	2.37	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.84*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000 To 20,000, Deduct	*-0.36*	
		For >20,000, Deduct	*-0.47*	
09 96 53 00-0015	SF	1 Coat, 20 Wet Mils, Brush/Roller Work, Two-Part Elastomeric Epoxy Paint Applied To Walls And Floors (Sherwin Williams RESUFLOR 3555V)	2.24	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.34*	
		For >20,000, Deduct	*-0.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 96 53 00-0016	SF	1 Coat, 20 Wet Mils, Brush Work, Two-Part Elastomeric Epoxy Paint Applied To Ceilings And Overhead (Sherwin Williams RESUFLOR 3555V)	2.50	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.93*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.25*	
		For >10,000 To 20,000, Deduct	*-0.38*	
		For >20,000, Deduct	*-0.50*	
09 96 53 00-0017	SF	1 Coat, 20 Wet Mils, Brush/Roller Work, Two-Part Elastomeric Epoxy Paint Applied To Ceilings And Overhead (Sherwin Williams RESUFLOR 3555V)	2.35	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.82*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000 To 20,000, Deduct	*-0.35*	
		For >20,000, Deduct	*-0.47*	

09 96 56 Epoxy Coatings *(09 96)*

09 96 56 00-0001 High Build Epoxy *(09 96 56)*

09 96 56 00-0002	SF	50 Mil, High Build Epoxy	3.25

09 96 56 00-0003 Laminated Epoxy With Fiberglass *(09 96 56)*

09 96 56 00-0004	SF	Laminated Epoxy With Fiberglass	5.98

09 96 66 Aggregate Wall Coatings *(09 96)*

09 96 66 00-0001 Troweled On *(09 96 66)*

09 96 66 00-0002	SF	Exposed Aggregate - 1/16" To 1/4" - Troweled On	4.56
09 96 66 00-0003	SF	Exposed Aggregate - 1/2" To 5/8" Troweled On	8.15
09 96 66 00-0004	SF	Exposed Aggregate - 1" Troweled On	12.26

09 96 66 00-0005 Sprayed On *(09 96 66)*

09 96 66 00-0006	SF	Exposed Aggregate - 1/8" - Sprayed On	3.73

09 97 Special Coatings *(09 90)*

09 97 13 Steel Coatings *(09 97)*

09 97 13 23 Exterior Steel Coatings *(09 97 13)*

Note: Steel Structure Painting Council, SSPC; Surface Preparation, SP.

09 97 13 23-0001 Surface Preparation For Structural Steel *(09 97 13 23)*

Note: Type 1 structural steel - up to 2 SF per LF, Type 2 structural steel - over 2 SF to 5 SF per LF, Type 3 structural steel - over 5 SF per LF, and piping - under 14" diameter.

09 97 13 23-0002 SSPC SP1 Chemical Or Steam Cleaning Surface Preparation For Structural Steel *(09 97 13 23-0001)*

Note: Solvent Cleaning is a method for removing all visible oil, grease, soil, drawing and cutting compounds and other soluble contaminants. Solvent cleaning does not remove rust or mill scale. Change rags and cleaning solution frequently so that deposits of oil and grease are not spread over additional areas in the cleaning process. Be sure to allow adequate ventilation. For complete instructions, refer to Society of Protective Coatings Surface Preparation Specification No. 1.

09 97 13 23-0003	SF	Type 1 Structural Steel SP1 Chemical Or Steam Cleaning Surface Preparation	0.73	
		For Up To 100, Add	*0.55*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
09 97 13 23-0004	SF	Type 2 Structural Steel SP1 Chemical Or Steam Cleaning Surface Preparation	0.71	
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0005	SF	Type 3 Structural Steel SP1 Chemical Or Steam Cleaning Surface Preparation	0.71	
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
09 97 13 23-0006	SF	Up To 14" Diameter Pipe SP1 Chemical Or Steam Cleaning Surface Preparation	0.95	
		For Up To 100, Add	*0.71*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
09 97 13 23-0007	SF	>14" Diameter Pipe SP1 Chemical Or Steam Cleaning Surface Preparation	0.86	
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	

09 97 13 23-0008 SSPC SP2 Hand Tool Cleaning Surface Preparation For Structural Steel *(09 97 13 23-0001)*

Note: Hand Tool Cleaning removes all loose mill scale, loose rust and other detrimental foreign matter. It is not intended that adherent mill scale, rust and paint be removed by this process. Mill scale, rust, and paint are considered adherent if they cannot be removed by lifting with a dull putty knife. Before hand tool cleaning, remove visible oil, grease, soluble welding residues and salts by the methods outlined in SSPC-SP1. For complete instructions, refer to Society of Protective Coatings Surface Preparation Specification No. 2 or ISO 8501-1 St 3.

09 97 13 23-0009	SF	Type 1 Structural Steel SP2 Hand Tool Cleaning Surface Preparation	1.47	
		For Up To 100, Add	*1.10*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.22*	
09 97 13 23-0010	SF	Type 2 Structural Steel SP2 Hand Tool Cleaning Surface Preparation	1.41	
		For Up To 100, Add	*1.06*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.21*	
09 97 13 23-0011	SF	Type 3 Structural Steel SP2 Hand Tool Cleaning Surface Preparation	1.41	
		For Up To 100, Add	*1.06*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.21*	
09 97 13 23-0012	SF	Up To 14" Diameter Pipe SP2 Hand Tool Cleaning Surface Preparation	1.91	
		For Up To 100, Add	*1.43*	
		For >100 To 250, Add	*0.67*	
		For >250 To 500, Add	*0.29*	
09 97 13 23-0013	SF	>14" Diameter Pipe SP2 Hand Tool Cleaning Surface Preparation	1.73	
		For Up To 100, Add	*1.30*	
		For >100 To 250, Add	*0.61*	
		For >250 To 500, Add	*0.26*	

09 97 13 23-0014 SSPC SP3 Power Tool Cleaning Surface Preparation For Structural Steel *(09 97 13 23-0001)*

Note: Power Tool Cleaning removes all loose mill scale, loose rust and other detrimental foreign matter. It is not intended that adherent mill scale, rust and paint be removed by this process. Mill scale, rust and paint are considered adherent if they cannot be removed by lifting with a dull putty knife. Before power tool cleaning, remove visible oil, grease, soluble welding residues and salts by the methods outlined in SSPC-SP1. For complete instructions, refer to Society of Protective Coatings Surface Preparation Specification No. 3 or ISO 8501-1 St 3.

09 97 13 23-0015	SF	Type 1 Structural Steel SP3 Power Tool Cleaning Surface Preparation	1.86	
		For Up To 100, Add	*1.40*	
		For >100 To 250, Add	*0.65*	
		For >250 To 500, Add	*0.28*	
09 97 13 23-0016	SF	Type 2 Structural Steel SP3 Power Tool Cleaning Surface Preparation	1.79	
		For Up To 100, Add	*1.34*	
		For >100 To 250, Add	*0.63*	
		For >250 To 500, Add	*0.27*	
09 97 13 23-0017	SF	Type 3 Structural Steel SP3 Power Tool Cleaning Surface Preparation	1.79	
		For Up To 100, Add	*1.34*	
		For >100 To 250, Add	*0.63*	
		For >250 To 500, Add	*0.27*	
09 97 13 23-0018	SF	Up To 14" Diameter Pipe SP3 Power Tool Cleaning Surface Preparation	2.42	
		For Up To 100, Add	*1.82*	
		For >100 To 250, Add	*0.85*	
		For >250 To 500, Add	*0.36*	
09 97 13 23-0019	SF	>14" Diameter Pipe SP3 Power Tool Cleaning Surface Preparation	2.18	
		For Up To 100, Add	*1.64*	
		For >100 To 250, Add	*0.76*	
		For >250 To 500, Add	*0.33*	

09 97 13 23-0020 SSPC SP5 White Metal Blast Cleaning Surface Preparation For Structural Steel *(09 97 13 23-0001)*

Note: A White Metal Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products and other foreign matter. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods. For complete Instructions, refer to Joint Surface Preparation Standard SSPC-SP5/NACE 1 or ISO 8501-1 Sa 3.

09 97 13 23-0021	SF	Type 1 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation	5.29	
		For Up To 100, Add	*3.80*	
		For >100 To 250, Add	*1.78*	
		For >250 To 500, Add	*0.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0022	SF	Type 2 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation	4.53	
		For Up To 100, Add	*3.24*	
		For >100 To 250, Add	*1.52*	
		For >250 To 500, Add	*0.65*	
09 97 13 23-0023	SF	Type 3 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation	4.16	
		For Up To 100, Add	*2.96*	
		For >100 To 250, Add	*1.39*	
		For >250 To 500, Add	*0.60*	
09 97 13 23-0024	SF	Up To 14" Diameter Pipe SP5 White Metal Blast Cleaning Surface Preparation	6.40	
		For Up To 100, Add	*4.63*	
		For >100 To 250, Add	*2.17*	
		For >250 To 500, Add	*0.93*	
09 97 13 23-0025	SF	>14" Diameter Pipe SP5 White Metal Blast Cleaning Surface Preparation	5.79	
		For Up To 100, Add	*4.17*	
		For >100 To 250, Add	*1.96*	
		For >250 To 500, Add	*0.84*	

09 97 13 23-0026 SSPC SP6 Commercial Blast Cleaning Surface Preparation For Structural Steel *(09 97 13 23-0001)*

Note: A Commercial Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products and other foreign matter, except for staining. Staining shall be limited to no more than 33% of each square inch of surface area and may consist of light shadows, slight streaks or minor discoloration caused by stains of rust, stains of mill scale or stains of previously applied paint. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP6/NACE 3 or ISO 8501-1 Sa 2.

09 97 13 23-0027	SF	Type 1 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation	2.71	
		For Up To 100, Add	*1.94*	
		For >100 To 250, Add	*0.91*	
		For >250 To 500, Add	*0.39*	
09 97 13 23-0028	SF	Type 2 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation	2.37	
		For Up To 100, Add	*1.68*	
		For >100 To 250, Add	*0.79*	
		For >250 To 500, Add	*0.34*	
09 97 13 23-0029	SF	Type 3 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation	2.20	
		For Up To 100, Add	*1.55*	
		For >100 To 250, Add	*0.73*	
		For >250 To 500, Add	*0.31*	
09 97 13 23-0030	SF	Up To 14" Diameter Pipe SP6 Commercial Blast Cleaning Surface Preparation	3.40	
		For Up To 100, Add	*2.45*	
		For >100 To 250, Add	*1.15*	
		For >250 To 500, Add	*0.49*	
09 97 13 23-0031	SF	>14" Diameter Pipe SP6 Commercial Blast Cleaning Surface Preparation	3.08	
		For Up To 100, Add	*2.21*	
		For >100 To 250, Add	*1.04*	
		For >250 To 500, Add	*0.45*	

09 97 13 23-0032 SSPC SP7 Brush Off Blast Cleaning Surface Preparation For Structural Steel *(09 97 13 23-0001)*

Note: A Brush-Off Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, loose mill scale, loose rust and loose paint. Tightly adherent mill scale, rust and paint may remain on the surface. Mill scale, rust and coating are considered adherent if they cannot be removed by lifting with a dull putty knife after abrasive blast cleaning has been performed. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP11

09 97 13 23-0033	SF	Type 1 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation	1.06	
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
09 97 13 23-0034	SF	Type 2 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation	0.93	
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.13*	
09 97 13 23-0035	SF	Type 3 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation	0.92	
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
09 97 13 23-0036	SF	Up To 14" Diameter Pipe SP7 Brush Off Blast Cleaning Surface Preparation	1.31	
		For Up To 100, Add	*0.93*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
09 97 13 23-0037	SF	>14" Diameter Pipe SP7 Brush Off Blast Cleaning Surface Preparation	1.18	
		For Up To 100, Add	*0.83*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 97 13 23-0038 SSPC SP10 Near White Metal Blast Cleaning Surface Preparation For Structural Steel *(09 97 13 23-0001)*

Note: A Near-White Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products and other foreign matter, except for staining. Staining shall be limited to no more than 5 percent of each square inch of surface area and may consist of light shadows, slight streaks or minor discoloration caused by stains of rust, stains of mill scale or stains of previously applied paint. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP10/NACE 2 or ISO 8501-1 Sa 2.5.

09 97 13 23-0039	SF	Type 1 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation		3.94	
		For Up To 100, Add		*2.82*	
		For >100 To 250, Add		*1.32*	
		For >250 To 500, Add		*0.57*	
09 97 13 23-0040	SF	Type 2 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation		3.35	
		For Up To 100, Add		*2.39*	
		For >100 To 250, Add		*1.12*	
		For >250 To 500, Add		*0.48*	
09 97 13 23-0041	SF	Type 3 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation		3.17	
		For Up To 100, Add		*2.26*	
		For >100 To 250, Add		*1.06*	
		For >250 To 500, Add		*0.46*	
09 97 13 23-0042	SF	Up To 14" Diameter Pipe SP10 Near White Metal Blast Cleaning Surface Preparation		4.65	
		For Up To 100, Add		*3.37*	
		For >100 To 250, Add		*1.58*	
		For >250 To 500, Add		*0.68*	
09 97 13 23-0043	SF	>14" Diameter Pipe SP10 Near White Metal Blast Cleaning Surface Preparation		4.20	
		For Up To 100, Add		*3.03*	
		For >100 To 250, Add		*1.42*	
		For >250 To 500, Add		*0.61*	

09 97 13 23-0044 SSPC SP11 Bare Metal Power Tool Cleaning Surface Preparation For Structural Steel *(09 97 13 23-0001)*

Note: Metallic surfaces that are prepared according to this specification, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxide corrosion products and other foreign matter. Slight residues of rust and paint may be left in the lower portions of pits if the original surface is pitted. The profile shall not be less than 1 mil. Prior to power tool surface preparation, remove visible deposits of oil or grease by any of the methods specified in SSPC-SP1, Solvent Cleaning, or other agreed upon methods. For complete instructions, refer to Society of Protective Coatings Surface Preparation Specification No. 11.

09 97 13 23-0045	SF	Type 1 Structural Steel SP11 Bare Metal Power Tool Cleaning Surface Preparation		7.35	
09 97 13 23-0046	SF	Type 2 Structural Steel SP11 Bare Metal Power Tool Cleaning Surface Preparation		7.07	
09 97 13 23-0047	SF	Type 3 Structural Steel SP11 Bare Metal Power Tool Cleaning Surface Preparation		7.07	
09 97 13 23-0048	SF	Up To 14" Diameter Pipe SP11 Bare Metal Power Tool Cleaning Surface Preparation		9.56	
09 97 13 23-0049	SF	>14" Diameter Pipe SP11 Bare Metal Power Tool Cleaning Surface Preparation		8.61	

09 97 13 23-0050 Protective Coatings For Tanks And Structural Steel *(09 97 13 23)*

Note: Type 1 structural steel - up to 2 SF per LF, Type 2 structural steel - over 2 SF to 5 SF per LF, Type 3 structural steel - over 5 SF per LF, and piping - under 14" diameter.

09 97 13 23-0051 1.5 Mil Prime Coat For Structural Steel *(09 97 13 23-0050)*

09 97 13 23-0052	SF	Spray Type 1 Structural Steel 1.5 Mil Prime Coat		1.22	
		For Up To 100, Add		*0.80*	
		For >100 To 250, Add		*0.38*	
		For >250 To 500, Add		*0.16*	
09 97 13 23-0053	SF	Spray Type 2 Structural Steel 1.5 Mil Prime Coat		0.91	
		For Up To 100, Add		*0.58*	
		For >100 To 250, Add		*0.28*	
		For >250 To 500, Add		*0.12*	
09 97 13 23-0054	SF	Spray Type 3 Structural Steel 1.5 Mil Prime Coat		0.82	
		For Up To 100, Add		*0.51*	
		For >100 To 250, Add		*0.24*	
		For >250 To 500, Add		*0.11*	
09 97 13 23-0055	SF	Spray Up To 14" Diameter Pipe 1.5 Mil Prime Coat		1.46	
		For Up To 100, Add		*0.98*	
		For >100 To 250, Add		*0.46*	
		For >250 To 500, Add		*0.20*	
09 97 13 23-0056	SF	Brush Type 1 Structural Steel 1.5 Mil Prime Coat		1.46	
		For Up To 100, Add		*0.98*	
		For >100 To 250, Add		*0.46*	
		For >250 To 500, Add		*0.20*	
09 97 13 23-0057	SF	Brush Type 2 Structural Steel 1.5 Mil Prime Coat		1.09	
		For Up To 100, Add		*0.72*	
		For >100 To 250, Add		*0.34*	
		For >250 To 500, Add		*0.15*	
09 97 13 23-0058	SF	Brush Type 3 Structural Steel 1.5 Mil Prime Coat		0.98	
		For Up To 100, Add		*0.63*	
		For >100 To 250, Add		*0.30*	
		For >250 To 500, Add		*0.13*	
09 97 13 23-0059	SF	Brush Up To 14" Diameter Pipe 1.5 Mil Prime Coat		1.74	
		For Up To 100, Add		*1.19*	
		For >100 To 250, Add		*0.56*	
		For >250 To 500, Add		*0.24*	

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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0060		**1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats For Structural Steel** *(09 97 13 23-0050)*		
09 97 13 23-0061	SF	Spray Type 1 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	3.62	
		For Up To 100, Add	*2.33*	
		For >100 To 250, Add	*1.11*	
		For >250 To 500, Add	*0.48*	
09 97 13 23-0062	SF	Spray Type 2 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.63	
		For Up To 100, Add	*1.62*	
		For >100 To 250, Add	*0.78*	
		For >250 To 500, Add	*0.34*	
09 97 13 23-0063	SF	Spray Type 3 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.44	
		For Up To 100, Add	*1.48*	
		For >100 To 250, Add	*0.71*	
		For >250 To 500, Add	*0.31*	
09 97 13 23-0064	SF	Spray Up To 14" Diameter Pipe 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	4.38	
		For Up To 100, Add	*2.89*	
		For >100 To 250, Add	*1.37*	
		For >250 To 500, Add	*0.59*	
09 97 13 23-0065	SF	Spray Type 1 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	2.71	
		For Up To 100, Add	*1.74*	
		For >100 To 250, Add	*0.83*	
		For >250 To 500, Add	*0.36*	
09 97 13 23-0066	SF	Spray Type 2 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.97	
		For Up To 100, Add	*1.22*	
		For >100 To 250, Add	*0.58*	
		For >250 To 500, Add	*0.25*	
09 97 13 23-0067	SF	Spray Type 3 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.83	
		For Up To 100, Add	*1.11*	
		For >100 To 250, Add	*0.53*	
		For >250 To 500, Add	*0.23*	
09 97 13 23-0068	SF	Spray Up To 14" Diameter Pipe 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	3.28	
		For Up To 100, Add	*2.17*	
		For >100 To 250, Add	*1.03*	
		For >250 To 500, Add	*0.44*	
09 97 13 23-0069	SF	Brush Type 1 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	4.65	
		For Up To 100, Add	*3.10*	
		For >100 To 250, Add	*1.47*	
		For >250 To 500, Add	*0.63*	
09 97 13 23-0070	SF	Brush Type 2 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	3.34	
		For Up To 100, Add	*2.16*	
		For >100 To 250, Add	*1.02*	
		For >250 To 500, Add	*0.44*	
09 97 13 23-0071	SF	Brush Type 3 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	3.09	
		For Up To 100, Add	*1.97*	
		For >100 To 250, Add	*0.94*	
		For >250 To 500, Add	*0.41*	
09 97 13 23-0072	SF	Brush Up To 14" Diameter Pipe 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	5.67	
		For Up To 100, Add	*3.86*	
		For >100 To 250, Add	*1.82*	
		For >250 To 500, Add	*0.78*	
09 97 13 23-0073	SF	Brush Type 1 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	3.49	
		For Up To 100, Add	*2.33*	
		For >100 To 250, Add	*1.10*	
		For >250 To 500, Add	*0.48*	
09 97 13 23-0074	SF	Brush Type 2 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	2.49	
		For Up To 100, Add	*1.61*	
		For >100 To 250, Add	*0.76*	
		For >250 To 500, Add	*0.33*	
09 97 13 23-0075	SF	Brush Type 3 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	2.31	
		For Up To 100, Add	*1.47*	
		For >100 To 250, Add	*0.70*	
		For >250 To 500, Add	*0.30*	
09 97 13 23-0076	SF	Brush Up To 14" Diameter Pipe 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	4.24	
		For Up To 100, Add	*2.89*	
		For >100 To 250, Add	*1.36*	
		For >250 To 500, Add	*0.59*	
09 97 13 23-0077		**Touch-Up And Two 1.5 Mil Alkyd Finish Coats For Structural Steel** *(09 97 13 23-0050)*		
09 97 13 23-0078	SF	Spray Type 1 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.79	
		For Up To 100, Add	*1.82*	
		For >100 To 250, Add	*0.86*	
		For >250 To 500, Add	*0.37*	
09 97 13 23-0079	SF	Spray Type 2 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.28	
		For Up To 100, Add	*1.46*	
		For >100 To 250, Add	*0.69*	
		For >250 To 500, Add	*0.30*	
09 97 13 23-0080	SF	Spray Type 3 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.09	
		For Up To 100, Add	*1.32*	
		For >100 To 250, Add	*0.63*	
		For >250 To 500, Add	*0.27*	
09 97 13 23-0081	SF	Spray Up To 14" Diameter Pipe Touch-Up And Two 1.5 Mil Alkyd Finish Coats	3.46	
		For Up To 100, Add	*2.31*	
		For >100 To 250, Add	*1.09*	
		For >250 To 500, Add	*0.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0082	SF	Spray Type 1 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.79	
		For Up To 100, Add	*1.16*	
		For >100 To 250, Add	*0.55*	
		For >250 To 500, Add	*0.24*	
09 97 13 23-0083	SF	Spray Type 2 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.46	
		For Up To 100, Add	*0.93*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
09 97 13 23-0084	SF	Spray Type 3 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.35	
		For Up To 100, Add	*0.85*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
09 97 13 23-0085	SF	Spray Up To 14" Diameter Pipe Touch-Up And One 1.5 Mil Alkyd Finish Coat	2.21	
		For Up To 100, Add	*1.47*	
		For >100 To 250, Add	*0.70*	
		For >250 To 500, Add	*0.30*	
09 97 13 23-0086	SF	Brush Type 1 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	3.32	
		For Up To 100, Add	*2.21*	
		For >100 To 250, Add	*1.05*	
		For >250 To 500, Add	*0.45*	
09 97 13 23-0087	SF	Brush Type 2 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.70	
		For Up To 100, Add	*1.77*	
		For >100 To 250, Add	*0.84*	
		For >250 To 500, Add	*0.36*	
09 97 13 23-0088	SF	Brush Type 3 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.47	
		For Up To 100, Add	*1.60*	
		For >100 To 250, Add	*0.76*	
		For >250 To 500, Add	*0.33*	
09 97 13 23-0089	SF	Brush Up To 14" Diameter Pipe Touch-Up And Two 1.5 Mil Alkyd Finish Coats	4.13	
		For Up To 100, Add	*2.81*	
		For >100 To 250, Add	*1.33*	
		For >250 To 500, Add	*0.57*	
09 97 13 23-0090	SF	Brush Type 1 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	2.13	
		For Up To 100, Add	*1.42*	
		For >100 To 250, Add	*0.67*	
		For >250 To 500, Add	*0.29*	
09 97 13 23-0091	SF	Brush Type 2 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.73	
		For Up To 100, Add	*1.14*	
		For >100 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.23*	
09 97 13 23-0092	SF	Brush Type 3 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.59	
		For Up To 100, Add	*1.03*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.21*	
09 97 13 23-0093	SF	Brush Up To 14" Diameter Pipe Touch-Up And One 1.5 Mil Alkyd Finish Coat	2.66	
		For Up To 100, Add	*1.81*	
		For >100 To 250, Add	*0.85*	
		For >250 To 500, Add	*0.37*	

09 97 13 23-0094 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats For Structural Steel *(09 97 13 23-0050)*

09 97 13 23-0095	SF	Spray Type 1 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	4.64	
		For Up To 100, Add	*2.71*	
		For >100 To 250, Add	*1.30*	
		For >250 To 500, Add	*0.57*	
09 97 13 23-0096	SF	Spray Type 2 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	3.40	
		For Up To 100, Add	*1.85*	
		For >100 To 250, Add	*0.90*	
		For >250 To 500, Add	*0.39*	
09 97 13 23-0097	SF	Spray Type 3 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	3.03	
		For Up To 100, Add	*1.57*	
		For >100 To 250, Add	*0.77*	
		For >250 To 500, Add	*0.34*	
09 97 13 23-0098	SF	Spray Up To 14" Diameter Pipe 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	5.24	
		For Up To 100, Add	*3.13*	
		For >100 To 250, Add	*1.50*	
		For >250 To 500, Add	*0.65*	
09 97 13 23-0099	SF	Spray Type 1 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	3.25	
		For Up To 100, Add	*1.90*	
		For >100 To 250, Add	*0.91*	
		For >250 To 500, Add	*0.40*	
09 97 13 23-0100	SF	Spray Type 2 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.38	
		For Up To 100, Add	*1.29*	
		For >100 To 250, Add	*0.63*	
		For >250 To 500, Add	*0.28*	
09 97 13 23-0101	SF	Spray Type 3 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.12	
		For Up To 100, Add	*1.10*	
		For >100 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.24*	
09 97 13 23-0102	SF	Spray Up To 14" Diameter Pipe Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	3.67	
		For Up To 100, Add	*2.19*	
		For >100 To 250, Add	*1.05*	
		For >250 To 500, Add	*0.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0103		2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats For Structural Steel *(09 97 13 23-0050)*		
09 97 13 23-0104	SF	Spray Type 1 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	5.00	
		For Up To 100, Add	*2.76*	
		For >100 To 250, Add	*1.34*	
		For >250 To 500, Add	*0.59*	
09 97 13 23-0105	SF	Spray Type 2 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	3.73	
		For Up To 100, Add	*1.90*	
		For >100 To 250, Add	*0.93*	
		For >250 To 500, Add	*0.41*	
09 97 13 23-0106	SF	Spray Type 3 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	3.36	
		For Up To 100, Add	*1.62*	
		For >100 To 250, Add	*0.80*	
		For >250 To 500, Add	*0.35*	
09 97 13 23-0107	SF	Spray Up To 14" Diameter Pipe 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	5.61	
		For Up To 100, Add	*3.19*	
		For >100 To 250, Add	*1.54*	
		For >250 To 500, Add	*0.67*	
09 97 13 23-0108	SF	Spray Type 1 Structural Steel Two 6 Mil High Build Epoxy Finish Coats	4.10	
		For Up To 100, Add	*2.27*	
		For >100 To 250, Add	*1.10*	
		For >250 To 500, Add	*0.48*	
09 97 13 23-0109	SF	Spray Type 2 Structural Steel Two 6 Mil High Build Epoxy Finish Coats	3.06	
		For Up To 100, Add	*1.56*	
		For >100 To 250, Add	*0.76*	
		For >250 To 500, Add	*0.34*	
09 97 13 23-0110	SF	Spray Type 3 Structural Steel Two 6 Mil High Build Epoxy Finish Coats	2.76	
		For Up To 100, Add	*1.33*	
		For >100 To 250, Add	*0.66*	
		For >250 To 500, Add	*0.29*	
09 97 13 23-0111	SF	Spray Up To 14" Diameter Pipe Two 6 Mil High Build Epoxy Finish Coats	4.60	
		For Up To 100, Add	*2.61*	
		For >100 To 250, Add	*1.26*	
		For >250 To 500, Add	*0.55*	
09 97 13 23-0112		1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats For Structural Steel *(09 97 13 23-0050)*		
09 97 13 23-0113	SF	Spray Type 1 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	10.44	
		For Up To 100, Add	*5.93*	
		For >100 To 250, Add	*2.86*	
		For >250 To 500, Add	*1.25*	
09 97 13 23-0114	SF	Spray Type 2 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	7.96	
		For Up To 100, Add	*4.27*	
		For >100 To 250, Add	*2.08*	
		For >250 To 500, Add	*0.91*	
09 97 13 23-0115	SF	Spray Type 3 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	7.68	
		For Up To 100, Add	*4.06*	
		For >100 To 250, Add	*1.98*	
		For >250 To 500, Add	*0.87*	
09 97 13 23-0116	SF	Spray Up To 14" Diameter Pipe 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	12.08	
		For Up To 100, Add	*7.12*	
		For >100 To 250, Add	*3.42*	
		For >250 To 500, Add	*1.49*	
09 97 13 23-0117		1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats For Structural Steel *(09 97 13 23-0050)*		
09 97 13 23-0118	SF	Spray Type 1 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	5.53	
		For Up To 100, Add	*2.89*	
		For >100 To 250, Add	*1.41*	
		For >250 To 500, Add	*0.62*	
09 97 13 23-0119	SF	Spray Type 2 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	4.41	
		For Up To 100, Add	*2.06*	
		For >100 To 250, Add	*1.02*	
		For >250 To 500, Add	*0.45*	
09 97 13 23-0120	SF	Spray Type 3 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	4.22	
		For Up To 100, Add	*1.92*	
		For >100 To 250, Add	*0.96*	
		For >250 To 500, Add	*0.43*	
09 97 13 23-0121	SF	Spray Up To 14" Diameter Pipe 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	6.25	
		For Up To 100, Add	*3.39*	
		For >100 To 250, Add	*1.65*	
		For >250 To 500, Add	*0.72*	
09 97 13 23-0122	SF	Spray Type 1 Structural Steel Two 4 Mil High Build Vinyl Finish Coats	4.37	
		For Up To 100, Add	*2.29*	
		For >100 To 250, Add	*1.12*	
		For >250 To 500, Add	*0.49*	
09 97 13 23-0123	SF	Spray Type 2 Structural Steel Two 4 Mil High Build Vinyl Finish Coats	3.48	
		For Up To 100, Add	*1.63*	
		For >100 To 250, Add	*0.81*	
		For >250 To 500, Add	*0.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0124	SF	Spray Type 3 Structural Steel Two 4 Mil High Build Vinyl Finish Coats	3.34	
		For Up To 100, Add	*1.52*	
		For >100 To 250, Add	*0.76*	
		For >250 To 500, Add	*0.34*	
09 97 13 23-0125	SF	Spray Up To 14" Diameter Pipe Two 4 Mil High Build Vinyl Finish Coats	4.95	
		For Up To 100, Add	*2.69*	
		For >100 To 250, Add	*1.31*	
		For >250 To 500, Add	*0.57*	
09 97 13 23-0126		**Two 8 Mil Coal Tar Epoxy Coats For Structural Steel** *(09 97 13 23-0050)*		
09 97 13 23-0127	SF	Spray Type 1 Structural Steel Two 8 Mil Coal Tar Epoxy Coats	4.63	
		For Up To 100, Add	*2.76*	
		For >100 To 250, Add	*1.32*	
		For >250 To 500, Add	*0.58*	
09 97 13 23-0128	SF	Spray Type 2 Structural Steel Two 8 Mil Coal Tar Epoxy Coats	3.78	
		For Up To 100, Add	*2.19*	
		For >100 To 250, Add	*1.05*	
		For >250 To 500, Add	*0.46*	
09 97 13 23-0129	SF	Spray Type 3 Structural Steel Two 8 Mil Coal Tar Epoxy Coats	3.50	
		For Up To 100, Add	*1.98*	
		For >100 To 250, Add	*0.96*	
		For >250 To 500, Add	*0.42*	
09 97 13 23-0130	SF	Spray Up To 14" Diameter Pipe Two 8 Mil Coal Tar Epoxy Coats	5.70	
		For Up To 100, Add	*3.54*	
		For >100 To 250, Add	*1.69*	
		For >250 To 500, Add	*0.73*	
09 97 13 23-0131		**One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat For Structural Steel** *(09 97 13 23-0050)*		
09 97 13 23-0132	SF	Spray Type 1 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	4.44	
		For Up To 100, Add	*2.79*	
		For >100 To 250, Add	*1.33*	
		For >250 To 500, Add	*0.58*	
09 97 13 23-0133	SF	Spray Type 2 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	3.18	
		For Up To 100, Add	*1.88*	
		For >100 To 250, Add	*0.90*	
		For >250 To 500, Add	*0.39*	
09 97 13 23-0134	SF	Spray Type 3 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	2.71	
		For Up To 100, Add	*1.52*	
		For >100 To 250, Add	*0.74*	
		For >250 To 500, Add	*0.32*	
09 97 13 23-0135	SF	Spray Up To 14" Diameter Pipe One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	5.05	
		For Up To 100, Add	*3.21*	
		For >100 To 250, Add	*1.53*	
		For >250 To 500, Add	*0.66*	
09 97 13 23-0136		**One 3 Mil High Zinc Silicate Coat For Structural Steel** *(09 97 13 23-0050)*		
09 97 13 23-0137	SF	Spray Type 1 Structural Steel One 3 Mil High Zinc Silicate Coat	2.43	
		For Up To 100, Add	*1.26*	
		For >100 To 250, Add	*0.62*	
		For >250 To 500, Add	*0.27*	
09 97 13 23-0138	SF	Spray Type 2 Structural Steel One 3 Mil High Zinc Silicate Coat	1.78	
		For Up To 100, Add	*0.83*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
09 97 13 23-0139	SF	Spray Type 3 Structural Steel One 3 Mil High Zinc Silicate Coat	1.69	
		For Up To 100, Add	*0.76*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	
09 97 13 23-0140	SF	Spray Up To 14" Diameter Pipe One 3 Mil High Zinc Silicate Coat	2.55	
		For Up To 100, Add	*1.33*	
		For >100 To 250, Add	*0.65*	
		For >250 To 500, Add	*0.29*	
09 97 13 23-0141		**Two 1.5 Mil Vinyl Enamel Finish Coats For Structural Steel** *(09 97 13 23-0050)*		
		Note: Installed over existing primer.		
09 97 13 23-0142	SF	Spray Type 1 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats	3.70	
		For Up To 100, Add	*2.12*	
		For >100 To 250, Add	*1.02*	
		For >250 To 500, Add	*0.45*	
09 97 13 23-0143	SF	Spray Type 2 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats	3.04	
		For Up To 100, Add	*1.69*	
		For >100 To 250, Add	*0.82*	
		For >250 To 500, Add	*0.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0144	SF	Spray Type 3 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats	2.66	
		For Up To 100, Add	*1.40*	
		For >100 To 250, Add	*0.68*	
		For >250 To 500, Add	*0.30*	
09 97 13 23-0145	SF	Spray Up To 14" Diameter Pipe Two 1.5 Mil Vinyl Enamel Finish Coats	4.29	
		For Up To 100, Add	*2.54*	
		For >100 To 250, Add	*1.22*	
		For >250 To 500, Add	*0.53*	
09 97 13 23-0146		One 3 Mil Aromatic Urethane Zinc Primer And Two 5 Mil Polyamidoamine Epoxy Finish Coats For Pipe Exterior *(09 97 13 23-0050)*		
09 97 13 23-0147	SF	Spray Up To 14" Diameter Pipe One 3 Mil Aromatic Urethane Zinc Primer And Two 5 Mil Polyamidoamine Epoxy Finish Coats For Pipe Exterior	5.36	
		For Up To 100, Add	*2.72*	
		For >100 To 250, Add	*1.34*	
		For >250 To 500, Add	*0.59*	
09 97 13 23-0148	SF	Spray >14" Diameter Pipe One 3 Mil Aromatic Urethane Zinc Primer And Two 5 Mil Polyamidoamine Epoxy Finish Coats For Pipe Exterior	5.21	
		For Up To 100, Add	*2.61*	
		For >100 To 250, Add	*1.28*	
		For >250 To 500, Add	*0.57*	
09 97 13 23-0149		Two 6 Mil Modified Polyamine Epoxy Coats For Pipe Interior *(09 97 13 23-0050)*		
09 97 13 23-0150	SF	Spray Two 6 Mil Modified Polyamine Epoxy Coats For Pipe Interior	7.98	
		For Up To 100, Add	*5.05*	
		For >100 To 250, Add	*2.40*	
		For >250 To 500, Add	*1.04*	
09 97 13 23-0151		Hot Stick Galvanizing *(09 97 13 23)*		
09 97 13 23-0152	SI	Hot Stick Galvanizing Note: Includes wire brush cleaning, heating with torch, applying stick galvanizing and final wire brush cleaning.	3.50	
09 97 13 24		**Steel Water Storage Tank Painting** *(09 97 13)*		
09 97 13 24-0001		Surface Preparation For Tanks *(09 97 13 24)* Note: Small pressure vessels and tanks - up to 12' diameter, large pressure vessels and tanks - over 12' diameter, tank interiors - over 6' diameter.		
09 97 13 24-0002		SSPC SP1 Chemical Or Steam Cleaning Surface Preparation For Tanks *(09 97 13 24-0001)*		
09 97 13 24-0003	SF	Small Vessel/Tank SP1 Chemical Or Steam Cleaning Surface Preparation	0.71	
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
09 97 13 24-0004	SF	Large Vessel/Tank SP1 Chemical Or Steam Cleaning Surface Preparation	0.63	
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.09*	
09 97 13 24-0005	SF	Vessel/Tank Interior SP1 Chemical Or Steam Cleaning Surface Preparation	0.88	
		For Up To 100, Add	*0.66*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.13*	
09 97 13 24-0006		SSPC SP2 Or 3 Hand Or Power Tool Cleaning Surface Preparation For Tanks *(09 97 13 24-0001)*		
09 97 13 24-0007	SF	Small Vessel/Tank SP2/3 Hand Or Power Tool Cleaning Surface Preparation	1.41	
		For Up To 100, Add	*1.06*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.21*	
09 97 13 24-0008	SF	Large Vessel/Tank SP2/3 Hand Or Power Tool Cleaning Surface Preparation	1.25	
		For Up To 100, Add	*0.94*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
09 97 13 24-0009	SF	Vessel/Tank Interior SP2/3 Hand Or Power Tool Cleaning Surface Preparation	1.77	
		For Up To 100, Add	*1.33*	
		For >100 To 250, Add	*0.62*	
		For >250 To 500, Add	*0.27*	
09 97 13 24-0010		SSPC SP5 White Metal Blast Cleaning Surface Preparation For Tanks *(09 97 13 24-0001)*		
09 97 13 24-0011	SF	Small Vessel/Tank SP5 White Metal Blast Cleaning Surface Preparation	3.96	
		For Up To 100, Add	*2.82*	
		For >100 To 250, Add	*1.32*	
		For >250 To 500, Add	*0.57*	
09 97 13 24-0012	SF	Large Vessel/Tank SP5 White Metal Blast Cleaning Surface Preparation	3.77	
		For Up To 100, Add	*2.68*	
		For >100 To 250, Add	*1.26*	
		For >250 To 500, Add	*0.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0013	SF	Vessel/Tank Interior SP5 White Metal Blast Cleaning Surface Preparation	5.53	
		For Up To 100, Add	*4.00*	
		For >100 To 250, Add	*1.87*	
		For >250 To 500, Add	*0.80*	

09 97 13 24-0014 SSPC SP6 Commercial Blast Cleaning Surface Preparation For Tanks *(09 97 13 24-0001)*

09 97 13 24-0015	SF	Small Vessel/Tank SP6 Commercial Blast Cleaning Surface Preparation	2.19	
		For Up To 100, Add	*1.55*	
		For >100 To 250, Add	*0.73*	
		For >250 To 500, Add	*0.31*	
09 97 13 24-0016	SF	Large Vessel/Tank SP6 Commercial Blast Cleaning Surface Preparation	2.00	
		For Up To 100, Add	*1.41*	
		For >100 To 250, Add	*0.66*	
		For >250 To 500, Add	*0.29*	
09 97 13 24-0017	SF	Vessel/Tank Interior SP6 Commercial Blast Cleaning Surface Preparation	2.93	
		For Up To 100, Add	*2.11*	
		For >100 To 250, Add	*0.99*	
		For >250 To 500, Add	*0.42*	

09 97 13 24-0018 SSPC SP7 Brush Off Blast Cleaning Surface Preparation For Tanks *(09 97 13 24-0001)*

09 97 13 24-0019	SF	Small Vessel/Tank SP7 Brush Off Blast Cleaning Surface Preparation	0.89	
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
09 97 13 24-0020	SF	Large Vessel/Tank SP7 Brush Off Blast Cleaning Surface Preparation	0.72	
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
09 97 13 24-0021	SF	Vessel/Tank Interior SP7 Brush Off Blast Cleaning Surface Preparation	1.26	
		For Up To 100, Add	*0.92*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.18*	

09 97 13 24-0022 SSPC SP10 Near White Metal Blast Cleaning Surface Preparation For Tanks *(09 97 13 24-0001)*

09 97 13 24-0023	SF	Small Vessel/Tank SP10 Near White Metal Blast Cleaning Surface Preparation	3.16	
		For Up To 100, Add	*2.26*	
		For >100 To 250, Add	*1.06*	
		For >250 To 500, Add	*0.46*	
09 97 13 24-0024	SF	Large Vessel/Tank SP10 Near White Metal Blast Cleaning Surface Preparation	3.16	
		For Up To 100, Add	*2.26*	
		For >100 To 250, Add	*1.06*	
		For >250 To 500, Add	*0.46*	
09 97 13 24-0025	SF	Vessel/Tank Interior SP10 Near White Metal Blast Cleaning Surface Preparation	4.64	
		For Up To 100, Add	*3.37*	
		For >100 To 250, Add	*1.58*	
		For >250 To 500, Add	*0.68*	

09 97 13 24-0026 SSPC SP11 Power Tool Cleaning Surface Preparation For Tanks *(09 97 13 24-0001)*

09 97 13 24-0027	SF	Small Vessel/Tank SP11 Power Tool Cleaning Surface Preparation	7.07	
09 97 13 24-0028	SF	Large Vessel/Tank SP11 Power Tool Cleaning Surface Preparation	6.25	
09 97 13 24-0029	SF	Vessel/Tank Interior SP11 Power Tool Cleaning Surface Preparation	8.82	

09 97 13 24-0030 Protective Coatings For Tanks *(09 97 13 24)*

Note: Small pressure vessels and tanks - up to 12' diameter, large pressure vessels and tanks - over 12' diameter, tank interiors - over 6' diameter.

09 97 13 24-0031 1.5 Mil Prime Coat For Tanks *(09 97 13 24-0030)*

09 97 13 24-0032	SF	Spray Small Vessel/Tank 1.5 Mil Prime Coat	0.72	
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
09 97 13 24-0033	SF	Spray Large Vessel/Tank 1.5 Mil Prime Coat	0.58	
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
09 97 13 24-0034	SF	Spray Tank Interior 1.5 Mil Prime Coat	1.37	
		For Up To 100, Add	*0.93*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
09 97 13 24-0035	SF	Brush Small Vessel/Tank 1.5 Mil Prime Coat	0.84	
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
09 97 13 24-0036	SF	Brush Large Vessel/Tank 1.5 Mil Prime Coat	0.68	
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0037	SF	Brush Tank Interior 1.5 Mil Prime Coat	1.65	
		For Up To 100, Add	*1.14*	
		For >100 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.23*	

09 97 13 24-0038 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats For Tanks *(09 97 13 24-0030)*

09 97 13 24-0039	SF	Spray Small Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.14	
		For Up To 100, Add	*1.27*	
		For >100 To 250, Add	*0.61*	
		For >250 To 500, Add	*0.27*	
09 97 13 24-0040	SF	Spray Large Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	1.68	
		For Up To 100, Add	*0.92*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.20*	
09 97 13 24-0041	SF	Spray Tank Interior 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	3.91	
		For Up To 100, Add	*2.60*	
		For >100 To 250, Add	*1.23*	
		For >250 To 500, Add	*0.53*	
09 97 13 24-0042	SF	Spray Small Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.61	
		For Up To 100, Add	*0.96*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
09 97 13 24-0043	SF	Spray Large Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.26	
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
09 97 13 24-0044	SF	Spray Tank Interior 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	2.93	
		For Up To 100, Add	*1.95*	
		For >100 To 250, Add	*0.92*	
		For >250 To 500, Add	*0.40*	
09 97 13 24-0045	SF	Brush Small Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.69	
		For Up To 100, Add	*1.68*	
		For >100 To 250, Add	*0.80*	
		For >250 To 500, Add	*0.35*	
09 97 13 24-0046	SF	Brush Large Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.06	
		For Up To 100, Add	*1.21*	
		For >100 To 250, Add	*0.58*	
		For >250 To 500, Add	*0.25*	
09 97 13 24-0047	SF	Brush Tank Interior 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	5.07	
		For Up To 100, Add	*3.47*	
		For >100 To 250, Add	*1.63*	
		For >250 To 500, Add	*0.70*	
09 97 13 24-0048	SF	Brush Small Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	2.02	
		For Up To 100, Add	*1.26*	
		For >100 To 250, Add	*0.60*	
		For >250 To 500, Add	*0.26*	
09 97 13 24-0049	SF	Brush Large Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.55	
		For Up To 100, Add	*0.91*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
09 97 13 24-0050	SF	Brush Tank Interior 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	3.80	
		For Up To 100, Add	*2.60*	
		For >100 To 250, Add	*1.23*	
		For >250 To 500, Add	*0.53*	

09 97 13 24-0051 Touch-Up And Two 1.5 Mil Alkyd Finish Coats For Tanks *(09 97 13 24-0030)*

09 97 13 24-0052	SF	Spray Small Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.90	
		For Up To 100, Add	*1.18*	
		For >100 To 250, Add	*0.56*	
		For >250 To 500, Add	*0.24*	
09 97 13 24-0053	SF	Spray Large Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.62	
		For Up To 100, Add	*0.97*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
09 97 13 24-0054	SF	Spray Tank Interior Touch-Up And Two 1.5 Mil Alkyd Finish Coats	4.04	
		For Up To 100, Add	*2.78*	
		For >100 To 250, Add	*1.31*	
		For >250 To 500, Add	*0.57*	
09 97 13 24-0055	SF	Spray Small Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.21	
		For Up To 100, Add	*0.75*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
09 97 13 24-0056	SF	Spray Large Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.04	
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
09 97 13 24-0057	SF	Spray Tank Interior Touch-Up And One 1.5 Mil Alkyd Finish Coats	2.59	
		For Up To 100, Add	*1.79*	
		For >100 To 250, Add	*0.84*	
		For >250 To 500, Add	*0.36*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0058	SF	Brush Small Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.24	
		For Up To 100, Add	*1.43*	
		For >100 To 250, Add	*0.68*	
		For >250 To 500, Add	*0.30*	
09 97 13 24-0059	SF	Brush Large Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.90	
		For Up To 100, Add	*1.18*	
		For >100 To 250, Add	*0.56*	
		For >250 To 500, Add	*0.24*	
09 97 13 24-0060	SF	Brush Tank Interior Touch-Up And Two 1.5 Mil Alkyd Finish Coats	5.14	
		For Up To 100, Add	*3.70*	
		For >100 To 250, Add	*1.73*	
		For >250 To 500, Add	*0.75*	
09 97 13 24-0061	SF	Brush Small Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.43	
		For Up To 100, Add	*0.92*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
09 97 13 24-0062	SF	Brush Large Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.21	
		For Up To 100, Add	*0.75*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
09 97 13 24-0063	SF	Brush Tank Interior Touch-Up And One 1.5 Mil Alkyd Finish Coats	3.39	
		For Up To 100, Add	*2.39*	
		For >100 To 250, Add	*1.12*	
		For >250 To 500, Add	*0.48*	

09 97 13 24-0064 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats For Tanks *(09 97 13 24-0030)*

09 97 13 24-0065	SF	Spray Small Vessel/Tank 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.80	
		For Up To 100, Add	*1.42*	
		For >100 To 250, Add	*0.70*	
		For >250 To 500, Add	*0.31*	
09 97 13 24-0066	SF	Spray Large Vessel/Tank 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.43	
		For Up To 100, Add	*1.14*	
		For >100 To 250, Add	*0.57*	
		For >250 To 500, Add	*0.25*	
09 97 13 24-0067	SF	Spray Small Vessel/Tank Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	1.97	
		For Up To 100, Add	*1.00*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.22*	
09 97 13 24-0068	SF	Spray Large Vessel/Tank Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	1.70	
		For Up To 100, Add	*0.80*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.18*	

09 97 13 24-0069 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats For Tanks *(09 97 13 24-0030)*

09 97 13 24-0070	SF	Spray Small Vessel/Tank 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	3.12	
		For Up To 100, Add	*1.47*	
		For >100 To 250, Add	*0.73*	
		For >250 To 500, Add	*0.32*	
09 97 13 24-0071	SF	Spray Large Vessel/Tank 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	2.75	
		For Up To 100, Add	*1.19*	
		For >100 To 250, Add	*0.60*	
		For >250 To 500, Add	*0.27*	
09 97 13 24-0072	SF	Spray Small Vessel/Tank Two 6 Mil High Build Epoxy Finish Coats	2.56	
		For Up To 100, Add	*1.21*	
		For >100 To 250, Add	*0.60*	
		For >250 To 500, Add	*0.27*	
09 97 13 24-0073	SF	Spray Large Vessel/Tank Two 6 Mil High Build Epoxy Finish Coats	2.25	
		For Up To 100, Add	*0.97*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.22*	

09 97 13 24-0074 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats For Tanks *(09 97 13 24-0030)*

09 97 13 24-0075	SF	Spray Small Vessel/Tank 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	7.41	
		For Up To 100, Add	*3.90*	
		For >100 To 250, Add	*1.90*	
		For >250 To 500, Add	*0.84*	
09 97 13 24-0076	SF	Spray Large Vessel/Tank 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	6.85	
		For Up To 100, Add	*3.48*	
		For >100 To 250, Add	*1.71*	
		For >250 To 500, Add	*0.75*	
09 97 13 24-0077	SF	Spray Tank Interior 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	11.14	
		For Up To 100, Add	*6.70*	
		For >100 To 250, Add	*3.21*	
		For >250 To 500, Add	*1.40*	

09 97 13 24-0078 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats For Tanks *(09 97 13 24-0030)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0079	SF	Spray Small Vessel/Tank 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	3.93	
		For Up To 100, Add	*1.84*	
		For >100 To 250, Add	*0.92*	
		For >250 To 500, Add	*0.41*	
09 97 13 24-0080	SF	Spray Large Vessel/Tank 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	3.51	
		For Up To 100, Add	*1.53*	
		For >100 To 250, Add	*0.77*	
		For >250 To 500, Add	*0.34*	
09 97 13 24-0081	SF	Spray Tank Interior 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	5.75	
		For Up To 100, Add	*3.21*	
		For >100 To 250, Add	*1.55*	
		For >250 To 500, Add	*0.68*	
09 97 13 24-0082	SF	Spray Small Vessel/Tank Two 4 Mil High Build Vinyl Finish Coats	3.10	
		For Up To 100, Add	*1.45*	
		For >100 To 250, Add	*0.72*	
		For >250 To 500, Add	*0.32*	
09 97 13 24-0083	SF	Spray Large Vessel/Tank Two 4 Mil High Build Vinyl Finish Coats	2.78	
		For Up To 100, Add	*1.21*	
		For >100 To 250, Add	*0.61*	
		For >250 To 500, Add	*0.27*	
09 97 13 24-0084	SF	Spray Tank Interior Two 4 Mil High Build Vinyl Finish Coats	4.55	
		For Up To 100, Add	*2.54*	
		For >100 To 250, Add	*1.23*	
		For >250 To 500, Add	*0.54*	

09 97 13 24-0085 Two 8 Mil Coal Tar Epoxy Coats For Tanks *(09 97 13 24-0030)*

09 97 13 24-0086	SF	Spray Small Vessel/Tank Two 8 Mil Coal Tar Epoxy Coats	3.47	
		For Up To 100, Add	*1.97*	
		For >100 To 250, Add	*0.95*	
		For >250 To 500, Add	*0.42*	
09 97 13 24-0087	SF	Spray Large Vessel/Tank Two 8 Mil Coal Tar Epoxy Coats	2.91	
		For Up To 100, Add	*1.55*	
		For >100 To 250, Add	*0.76*	
		For >250 To 500, Add	*0.33*	
09 97 13 24-0088	SF	Spray Tank Interior Two 8 Mil Coal Tar Epoxy Coats	4.40	
		For Up To 100, Add	*2.67*	
		For >100 To 250, Add	*1.28*	
		For >250 To 500, Add	*0.56*	

09 97 13 24-0089 One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat For Tanks *(09 97 13 24-0030)*

09 97 13 24-0090	SF	Spray Small Vessel/Tank One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	2.40	
		For Up To 100, Add	*1.31*	
		For >100 To 250, Add	*0.64*	
		For >250 To 500, Add	*0.28*	
09 97 13 24-0091	SF	Spray Large Vessel/Tank One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	2.22	
		For Up To 100, Add	*1.17*	
		For >100 To 250, Add	*0.57*	
		For >250 To 500, Add	*0.25*	
09 97 13 24-0092	SF	Spray Tank Interior One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	3.61	
		For Up To 100, Add	*2.22*	
		For >100 To 250, Add	*1.06*	
		For >250 To 500, Add	*0.46*	

09 97 13 24-0093 Two 6 Mil High Build Epoxy Finish Coats For Tanks Interior *(09 97 13 24-0030)*

09 97 13 24-0094	SF	Spray Small Tank Interior Two 6 Mil High Build Epoxy Finish Coats	5.26	
		For Up To 100, Add	*3.02*	
		For >100 To 250, Add	*1.46*	
		For >250 To 500, Add	*0.64*	
09 97 13 24-0095	SF	Spray Large Tank Interior Two 6 Mil High Build Epoxy Finish Coats	3.26	
		For Up To 100, Add	*1.61*	
		For >100 To 250, Add	*0.79*	
		For >250 To 500, Add	*0.35*	

09 97 13 24-0096 One 3 Mil High Zinc Silicate Coat For Tanks *(09 97 13 24-0030)*

09 97 13 24-0097	SF	Spray Small Vessel/Tank One 3 Mil High Zinc Silicate Coat	1.57	
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
09 97 13 24-0098	SF	Spray Large Vessel/Tank One 3 Mil High Zinc Silicate Coat	1.53	
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.15*	
09 97 13 24-0099	SF	Spray Tank Interior One 3 Mil High Zinc Silicate Coat	2.41	
		For Up To 100, Add	*1.31*	
		For >100 To 250, Add	*0.64*	
		For >250 To 500, Add	*0.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 97 13 24-0100 Two 1.5 Mil Vinyl Enamel Finish Coats For Tanks *(09 97 13 24-0030)*

Note: Installed over existing primer.

09 97 13 24-0101	SF	Spray Small Vessel/Tank Two 1.5 Mil Vinyl Enamel Finish Coats	2.54	
		For Up To 100, Add	*1.33*	
		For >100 To 250, Add	*0.65*	
		For >250 To 500, Add	*0.29*	
09 97 13 24-0102	SF	Spray Large Vessel/Tank Two 1.5 Mil Vinyl Enamel Finish Coats	2.26	
		For Up To 100, Add	*1.12*	
		For >100 To 250, Add	*0.55*	
		For >250 To 500, Add	*0.24*	
09 97 13 24-0103	SF	Spray Tank Interior Two 1.5 Mil Vinyl Enamel Finish Coats	3.47	
		For Up To 100, Add	*2.03*	
		For >100 To 250, Add	*0.97*	
		For >250 To 500, Add	*0.42*	

09 97 13 24-0104 One 1 Mil Primer And 95 Mil Hot Coal Tar Enamel Finish Coat For Tanks *(09 97 13 24-0030)*

09 97 13 24-0105	SF	Spray/Mop Large Vessel/Tank One 1 Mil Primer And 95 Mil Hot Coal Tar Enamel Finish Coat	9.05	
		For Up To 100, Add	*5.61*	
		For >100 To 250, Add	*2.68*	
		For >250 To 500, Add	*1.16*	

09 97 13 24-0106 One 3 Mil Epoxy Primer And Two 6 Mil Epoxy Finish Coats For Tank Interior *(09 97 13 24-0030)*

09 97 13 24-0107	SF	Brush One 3 Mil Epoxy Primer And Spray Two 6 Mil Epoxy Finish Coats For Contact Area Between Rafters And Underside of Tank Roof Note: Devran 233H	3.73	
		For Up To 100, Add	*1.96*	
		For >100 To 250, Add	*0.96*	
		For >250 To 500, Add	*0.42*	
09 97 13 24-0108	SF	Spray One 3 Mil Epoxy Primer And Spray Two 6 Mil Epoxy Finish Coats For Rafters, Underside Of Tank Roof, And Walls 2' Above Floor Note: Devran 233H	3.42	
		For Up To 100, Add	*1.73*	
		For >100 To 250, Add	*0.85*	
		For >250 To 500, Add	*0.37*	

09 97 13 24-0109 One 15 Mil Epoxy Primer And One 15 Mil Epoxy Finish Coats For Tank Interior *(09 97 13 24-0030)*

09 97 13 24-0110	SF	Spray One 15 Mil Epoxy Primer And Spray One 15 Mil Epoxy Finish Coats For Tank Floor Interior And Up To 3' Of Wall Note: Applied in 5 mil coats.	7.69	
		For Up To 100, Add	*3.57*	
		For >100 To 250, Add	*1.77*	
		For >250 To 500, Add	*0.79*	

09 97 13 24-0111 One 2 To 4 Mil Inorganic Zinc Primer, One 4 To 6 Mil Epoxy Intermediate Coat And One 2 To 3 Mil Aliphatic Urethane Finish Coat For Tank Exterior *(09 97 13 24-0030)*

09 97 13 24-0112	SF	Spray One 2 To 4 Mil Inorganic Zinc Primer, Spray One 4 To 6 Mil Epoxy Intermediate Coat And Spray One 2 To 3 Mil Aliphatic Urethane Finish Coat For Tank Exterior Note: Devoe: Catha-Coat 302H primer, Bar-Rust 231H intermediate, and Devthane 379H finish or Tnemec: 91H2O Hydro-Zinc primer, N140F Pota-Pox intermediate, and 1075 Endura-Shield finish.	2.94	
		For Up To 100, Add	*1.44*	
		For >100 To 250, Add	*0.71*	
		For >250 To 500, Add	*0.31*	

09 97 13 24-0113 Polyamide Epoxy Exterior Prime Coat For Tanks (Macropoxy 646 FC) *(09 97 13 24-0030)*

09 97 13 24-0114	SF	Spray 5 Mil (Dry) Polyamide Epoxy Exterior Prime Coat On Vessel/Tank (Macropoxy 646 FC)	1.99	
		For Up To 100, Add	*1.07*	
		For >100 To 250, Add	*0.52*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000, Deduct	*-0.23*	
09 97 13 24-0115	SF	Spray 8 Mil (Dry) Polyamide Epoxy Exterior Prime Coat On Vessel/Tank (Macropoxy 646 FC)	2.93	
		For Up To 100, Add	*1.53*	
		For >100 To 250, Add	*0.75*	
		For >250 To 500, Add	*0.33*	
		For >2,500 To 5,000, Deduct	*-0.15*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000, Deduct	*-0.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0116	SF	Spray 10 Mil (Dry) Polyamide Epoxy Exterior Prime Coat On Vessel/Tank (Macropoxy 646 FC)	3.38	
		For Up To 100, Add	*1.72*	
		For >100 To 250, Add	*0.84*	
		For >250 To 500, Add	*0.37*	
		For >2,500 To 5,000, Deduct	*-0.17*	
		For >5,000 To 10,000, Deduct	*-0.27*	
		For >10,000, Deduct	*-0.37*	
09 97 13 24-0117	SF	Brush 5 Mil (Dry) Polyamide Epoxy Exterior Prime Coat On Vessel/Tank (Macropoxy 646 FC)	2.32	
		For Up To 100, Add	*1.32*	
		For >100 To 250, Add	*0.64*	
		For >250 To 500, Add	*0.28*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000, Deduct	*-0.28*	
09 97 13 24-0118	SF	Brush 8 Mil (Dry) Polyamide Epoxy Exterior Prime Coat On Vessel/Tank (Macropoxy 646 FC)	3.40	
		For Up To 100, Add	*1.88*	
		For >100 To 250, Add	*0.91*	
		For >250 To 500, Add	*0.40*	
		For >2,500 To 5,000, Deduct	*-0.17*	
		For >5,000 To 10,000, Deduct	*-0.28*	
		For >10,000, Deduct	*-0.40*	
09 97 13 24-0119	SF	Brush 10 Mil (Dry) Polyamide Epoxy Exterior Prime Coat On Vessel/Tank (Macropoxy 646 FC)	3.90	
		For Up To 100, Add	*2.11*	
		For >100 To 250, Add	*1.03*	
		For >250 To 500, Add	*0.45*	
		For >2,500 To 5,000, Deduct	*-0.20*	
		For >5,000 To 10,000, Deduct	*-0.32*	
		For >10,000, Deduct	*-0.45*	

09 97 13 24-0120 Aliphatic Acrylic Polyurethane Exterior Topcoat For Tanks (High-Solids Polyurethane 250) *(09 97 13 24-0030)*

09 97 13 24-0121	SF	Spray 3 Mil (Dry) Aliphatic Acrylic Polyurethane Exterior Topcoat On Vessel/Tank (High-Solids Polyurethane 250)	1.75	
		For Up To 100, Add	*0.83*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000, Deduct	*-0.18*	
09 97 13 24-0122	SF	Spray 4 Mil (Dry) Aliphatic Acrylic Polyurethane Exterior Topcoat On Vessel/Tank (High-Solids Polyurethane 250)	2.22	
		For Up To 100, Add	*1.02*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000, Deduct	*-0.23*	
09 97 13 24-0123	SF	Brush 3 Mil (Dry) Aliphatic Acrylic Polyurethane Exterior Topcoat On Vessel/Tank (High-Solids Polyurethane 250)	2.00	
		For Up To 100, Add	*1.02*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000, Deduct	*-0.22*	
09 97 13 24-0124	SF	Brush 4 Mil (Dry) Aliphatic Acrylic Polyurethane Exterior Topcoat On Vessel/Tank (High-Solids Polyurethane 250)	2.51	
		For Up To 100, Add	*1.24*	
		For >100 To 250, Add	*0.61*	
		For >250 To 500, Add	*0.27*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000, Deduct	*-0.27*	

09 97 13 24-0125 Polyamide Epoxy Submerged Primer/Stripe Coat For Tanks (Macropoxy 646 PW) *(09 97 13 24-0030)*

See CSI section 01 22 23 00-0902 for confined space ventilation.

09 97 13 24-0126	SF	Spray 3 Mil (Dry) Polyamide Epoxy Submerged Primer/Stripe Coat On Vessel/Tank (Macropoxy 646 PW)	2.16	
		For Up To 100, Add	*1.37*	
		For >100 To 250, Add	*0.65*	
		For >250 To 500, Add	*0.28*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000, Deduct	*-0.28*	
		For Work In Restricted Working Space, Add	*0.52*	
09 97 13 24-0127	SF	Spray 5 Mil (Dry) Polyamide Epoxy Submerged Primer/Stripe Coat On Vessel/Tank (Macropoxy 646 PW)	1.98	
		For Up To 100, Add	*1.07*	
		For >100 To 250, Add	*0.52*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000, Deduct	*-0.23*	
		For Work In Restricted Working Space, Add	*0.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0128	SF	Spray 6 Mil (Dry) Polyamide Epoxy Submerged Primer/Stripe Coat On Vessel/Tank (Macropoxy 646 PW)	2.21	
		For Up To 100, Add	*1.15*	
		For >100 To 250, Add	*0.56*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000, Deduct	*-0.25*	
		For Work In Restricted Working Space, Add	*0.41*	
09 97 13 24-0129	SF	Spray 8 Mil (Dry) Polyamide Epoxy Submerged Primer/Stripe Coat On Vessel/Tank (Macropoxy 646 PW)	2.74	
		For Up To 100, Add	*1.39*	
		For >100 To 250, Add	*0.68*	
		For >250 To 500, Add	*0.30*	
		For >2,500 To 5,000, Deduct	*-0.14*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000, Deduct	*-0.30*	
		For Work In Restricted Working Space, Add	*0.49*	
09 97 13 24-0130	SF	Spray 10 Mil (Dry) Polyamide Epoxy Submerged Primer/Stripe Coat On Vessel/Tank (Macropoxy 646 PW)	3.17	
		For Up To 100, Add	*1.56*	
		For >100 To 250, Add	*0.77*	
		For >250 To 500, Add	*0.34*	
		For >2,500 To 5,000, Deduct	*-0.16*	
		For >5,000 To 10,000, Deduct	*-0.25*	
		For >10,000, Deduct	*-0.34*	
		For Work In Restricted Working Space, Add	*0.54*	
09 97 13 24-0131	SF	Brush 3 Mil (Dry) Polyamide Epoxy Submerged Primer/Stripe Coat On Vessel/Tank (Macropoxy 646 PW)	1.50	
		For Up To 100, Add	*0.87*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000, Deduct	*-0.18*	
		For Work In Restricted Working Space, Add	*0.32*	
09 97 13 24-0132	SF	Brush 5 Mil (Dry) Polyamide Epoxy Submerged Primer/Stripe Coat On Vessel/Tank (Macropoxy 646 PW)	2.32	
		For Up To 100, Add	*1.32*	
		For >100 To 250, Add	*0.64*	
		For >250 To 500, Add	*0.28*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000, Deduct	*-0.28*	
		For Work In Restricted Working Space, Add	*0.49*	
09 97 13 24-0133	SF	Brush 6 Mil (Dry) Polyamide Epoxy Submerged Primer/Stripe Coat On Vessel/Tank (Macropoxy 646 PW)	2.57	
		For Up To 100, Add	*1.42*	
		For >100 To 250, Add	*0.69*	
		For >250 To 500, Add	*0.30*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000, Deduct	*-0.30*	
		For Work In Restricted Working Space, Add	*0.52*	
09 97 13 24-0134	SF	Brush 8 Mil (Dry) Polyamide Epoxy Submerged Primer/Stripe Coat On Vessel/Tank (Macropoxy 646 PW)	3.17	
		For Up To 100, Add	*1.71*	
		For >100 To 250, Add	*0.83*	
		For >250 To 500, Add	*0.36*	
		For >2,500 To 5,000, Deduct	*-0.16*	
		For >5,000 To 10,000, Deduct	*-0.26*	
		For >10,000, Deduct	*-0.36*	
		For Work In Restricted Working Space, Add	*0.62*	
09 97 13 24-0135	SF	Brush 10 Mil (Dry) Polyamide Epoxy Submerged Primer/Stripe Coat On Vessel/Tank (Macropoxy 646 PW)	3.63	
		For Up To 100, Add	*1.91*	
		For >100 To 250, Add	*0.93*	
		For >250 To 500, Add	*0.41*	
		For >2,500 To 5,000, Deduct	*-0.18*	
		For >5,000 To 10,000, Deduct	*-0.30*	
		For >10,000, Deduct	*-0.41*	
		For Work In Restricted Working Space, Add	*0.68*	

09 97 13 24-0136 Amine Epoxy Submerged Topcoat For Tanks (Sherplate PW Epoxy) *(09 97 13 24-0030)*

See CSI section 01 22 23 00-0902 for confined space ventilation.

09 97 13 24-0137	SF	Spray 16 Mil Amine Epoxy Submerged Topcoat On Vessel/Tank (Sherplate PW Epoxy)	3.73	
		For Up To 100, Add	*1.78*	
		For >100 To 250, Add	*0.88*	
		For >250 To 500, Add	*0.39*	
		For >2,500 To 5,000, Deduct	*-0.19*	
		For >5,000 To 10,000, Deduct	*-0.29*	
		For >10,000, Deduct	*-0.39*	
		For Work In Restricted Working Space, Add	*0.61*	
09 97 13 24-0138	SF	Spray 20 Mil Amine Epoxy Submerged Topcoat On Vessel/Tank (Sherplate PW Epoxy)	4.54	
		For Up To 100, Add	*2.13*	
		For >100 To 250, Add	*1.06*	
		For >250 To 500, Add	*0.47*	
		For >2,500 To 5,000, Deduct	*-0.23*	
		For >5,000 To 10,000, Deduct	*-0.35*	
		For >10,000, Deduct	*-0.47*	
		For Work In Restricted Working Space, Add	*0.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0139	SF	Spray 24 Mil Amine Epoxy Submerged Topcoat On Vessel/Tank (Sherplate PW Epoxy)	5.30	
		For Up To 100, Add	*2.45*	
		For >100 To 250, Add	*1.22*	
		For >250 To 500, Add	*0.54*	
		For >2,500 To 5,000, Deduct	*-0.27*	
		For >5,000 To 10,000, Deduct	*-0.40*	
		For >10,000, Deduct	*-0.54*	
		For Work In Restricted Working Space, Add	*0.83*	
09 97 13 24-0140	SF	Spray 30 Mil Amine Epoxy Submerged Topcoat On Vessel/Tank (Sherplate PW Epoxy)	6.44	
		For Up To 100, Add	*2.93*	
		For >100 To 250, Add	*1.46*	
		For >250 To 500, Add	*0.65*	
		For >2,500 To 5,000, Deduct	*-0.32*	
		For >5,000 To 10,000, Deduct	*-0.49*	
		For >10,000, Deduct	*-0.65*	
		For Work In Restricted Working Space, Add	*0.98*	
09 97 13 24-0141	SF	Spray 36 Mil Amine Epoxy Submerged Topcoat On Vessel/Tank (Sherplate PW Epoxy)	7.53	
		For Up To 100, Add	*3.36*	
		For >100 To 250, Add	*1.68*	
		For >250 To 500, Add	*0.75*	
		For >2,500 To 5,000, Deduct	*-0.38*	
		For >5,000 To 10,000, Deduct	*-0.56*	
		For >10,000, Deduct	*-0.75*	
		For Work In Restricted Working Space, Add	*1.12*	
09 97 13 24-0142	SF	Spray 42 Mil Amine Epoxy Submerged Topcoat On Vessel/Tank (Sherplate PW Epoxy)	8.56	
		For Up To 100, Add	*3.76*	
		For >100 To 250, Add	*1.89*	
		For >250 To 500, Add	*0.84*	
		For >2,500 To 5,000, Deduct	*-0.43*	
		For >5,000 To 10,000, Deduct	*-0.63*	
		For >10,000, Deduct	*-0.84*	
		For Work In Restricted Working Space, Add	*1.24*	
09 97 13 24-0143	SF	Spray 50 Mil Amine Epoxy Submerged Topcoat On Vessel/Tank (Sherplate PW Epoxy)	9.96	
		For Up To 100, Add	*4.30*	
		For >100 To 250, Add	*2.16*	
		For >250 To 500, Add	*0.97*	
		For >2,500 To 5,000, Deduct	*-0.50*	
		For >5,000 To 10,000, Deduct	*-0.73*	
		For >10,000, Deduct	*-0.97*	
		For Work In Restricted Working Space, Add	*1.40*	
09 97 13 24-0144	SF	Brush 16 Mil Amine Epoxy Submerged Topcoat On Vessel/Tank (Sherplate PW Epoxy)	4.26	
		For Up To 100, Add	*2.18*	
		For >100 To 250, Add	*1.07*	
		For >250 To 500, Add	*0.47*	
		For >2,500 To 5,000, Deduct	*-0.21*	
		For >5,000 To 10,000, Deduct	*-0.34*	
		For >10,000, Deduct	*-0.47*	
		For Work In Restricted Working Space, Add	*0.77*	
09 97 13 24-0145	SF	Brush 20 Mil Amine Epoxy Submerged Topcoat On Vessel/Tank (Sherplate PW Epoxy)	5.17	
		For Up To 100, Add	*2.61*	
		For >100 To 250, Add	*1.28*	
		For >250 To 500, Add	*0.56*	
		For >2,500 To 5,000, Deduct	*-0.26*	
		For >5,000 To 10,000, Deduct	*-0.41*	
		For >10,000, Deduct	*-0.56*	
		For Work In Restricted Working Space, Add	*0.92*	
09 97 13 24-0146	SF	Brush 24 Mil Amine Epoxy Submerged Topcoat On Vessel/Tank (Sherplate PW Epoxy)	6.01	
		For Up To 100, Add	*2.98*	
		For >100 To 250, Add	*1.47*	
		For >250 To 500, Add	*0.65*	
		For >2,500 To 5,000, Deduct	*-0.30*	
		For >5,000 To 10,000, Deduct	*-0.47*	
		For >10,000, Deduct	*-0.65*	
		For Work In Restricted Working Space, Add	*1.04*	
09 97 13 24-0147	SF	Brush 30 Mil Amine Epoxy Submerged Topcoat On Vessel/Tank (Sherplate PW Epoxy)	7.30	
		For Up To 100, Add	*3.57*	
		For >100 To 250, Add	*1.76*	
		For >250 To 500, Add	*0.78*	
		For >2,500 To 5,000, Deduct	*-0.37*	
		For >5,000 To 10,000, Deduct	*-0.57*	
		For >10,000, Deduct	*-0.78*	
		For Work In Restricted Working Space, Add	*1.24*	
09 97 13 24-0148	SF	Brush 36 Mil Amine Epoxy Submerged Topcoat On Vessel/Tank (Sherplate PW Epoxy)	8.51	
		For Up To 100, Add	*4.10*	
		For >100 To 250, Add	*2.03*	
		For >250 To 500, Add	*0.90*	
		For >2,500 To 5,000, Deduct	*-0.43*	
		For >5,000 To 10,000, Deduct	*-0.66*	
		For >10,000, Deduct	*-0.90*	
		For Work In Restricted Working Space, Add	*1.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0149	SF	Brush 42 Mil Amine Epoxy Submerged Topcoat On Vessel/Tank (Sherplate PW Epoxy)	9.65	
		For Up To 100, Add	*4.57*	
		For >100 To 250, Add	*2.27*	
		For >250 To 500, Add	*1.00*	
		For >2,500 To 5,000, Deduct	*-0.48*	
		For >5,000 To 10,000, Deduct	*-0.74*	
		For >10,000, Deduct	*-1.00*	
		For Work In Restricted Working Space, Add	*1.56*	
09 97 13 24-0150	SF	Brush 50 Mil Amine Epoxy Submerged Topcoat On Vessel/Tank (Sherplate PW Epoxy)	11.19	
		For Up To 100, Add	*5.22*	
		For >100 To 250, Add	*2.59*	
		For >250 To 500, Add	*1.15*	
		For >2,500 To 5,000, Deduct	*-0.56*	
		For >5,000 To 10,000, Deduct	*-0.85*	
		For >10,000, Deduct	*-1.15*	
		For Work In Restricted Working Space, Add	*1.77*	

09 97 13 24-0151 Epoxy Exterior Prime Coat For Tanks (Bar-Rust 231) *(09 97 13 24-0030)*

09 97 13 24-0152	SF	Spray 4 Mil (Dry) Epoxy Exterior Prime Coat On Vessel/Tank (Bar-Rust 231)	1.46	
		For Up To 100, Add	*0.91*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000, Deduct	*-0.19*	
09 97 13 24-0153	SF	Spray 6 Mil (Dry) Epoxy Exterior Prime Coat On Vessel/Tank (Bar-Rust 231)	2.02	
		For Up To 100, Add	*1.23*	
		For >100 To 250, Add	*0.59*	
		For >250 To 500, Add	*0.26*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000, Deduct	*-0.26*	
09 97 13 24-0154	SF	Spray 8 Mil (Dry) Epoxy Exterior Prime Coat On Vessel/Tank (Bar-Rust 231)	2.50	
		For Up To 100, Add	*1.50*	
		For >100 To 250, Add	*0.72*	
		For >250 To 500, Add	*0.31*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000, Deduct	*-0.31*	
09 97 13 24-0155	SF	Brush 4 Mil (Dry) Epoxy Exterior Prime Coat On Vessel/Tank (Bar-Rust 231)	2.14	
		For Up To 100, Add	*1.19*	
		For >100 To 250, Add	*0.57*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000, Deduct	*-0.25*	
09 97 13 24-0156	SF	Brush 6 Mil (Dry) Epoxy Exterior Prime Coat On Vessel/Tank (Bar-Rust 231)	2.80	
		For Up To 100, Add	*1.59*	
		For >100 To 250, Add	*0.77*	
		For >250 To 500, Add	*0.34*	
		For >2,500 To 5,000, Deduct	*-0.14*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000, Deduct	*-0.34*	
09 97 13 24-0157	SF	Brush 8 Mil (Dry) Epoxy Exterior Prime Coat On Vessel/Tank (Bar-Rust 231)	3.50	
		For Up To 100, Add	*1.94*	
		For >100 To 250, Add	*0.94*	
		For >250 To 500, Add	*0.41*	
		For >2,500 To 5,000, Deduct	*-0.18*	
		For >5,000 To 10,000, Deduct	*-0.29*	
		For >10,000, Deduct	*-0.41*	

09 97 13 24-0158 Aliphatic Urethane Exterior Topcoat For Tanks (Devthane 359) *(09 97 13 24-0030)*

09 97 13 24-0159	SF	Spray 4 Mil (Dry) Aliphatic Urethane Exterior Topcoat On Vessel/Tank (Devthane 359)	2.04	
		For Up To 100, Add	*1.00*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000, Deduct	*-0.22*	
09 97 13 24-0160	SF	Spray 6 Mil (Dry) Aliphatic Urethane Exterior Topcoat On Vessel/Tank (Devthane 359)	2.87	
		For Up To 100, Add	*1.35*	
		For >100 To 250, Add	*0.67*	
		For >250 To 500, Add	*0.30*	
		For >2,500 To 5,000, Deduct	*-0.14*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000, Deduct	*-0.30*	
09 97 13 24-0161	SF	Brush 4 Mil (Dry) Aliphatic Urethane Exterior Topcoat On Vessel/Tank (Devthane 359)	2.33	
		For Up To 100, Add	*1.21*	
		For >100 To 250, Add	*0.59*	
		For >250 To 500, Add	*0.26*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000, Deduct	*-0.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0162	SF	Brush 6 Mil (Dry) Aliphatic Urethane Exterior Topcoat On Vessel/Tank (Devthane 359)	3.25	
		For Up To 100, Add	*1.65*	
		For >100 To 250, Add	*0.81*	
		For >250 To 500, Add	*0.36*	
		For >2,500 To 5,000, Deduct	*-0.16*	
		For >5,000 To 10,000, Deduct	*-0.26*	
		For >10,000, Deduct	*-0.36*	
09 97 13 24-0163		Epoxy Submerged Primer/Stripe Coat For Tanks (Bar-Rust 233H) *(09 97 13 24-0030)*		
		See CSI section 01 22 23 00-0902 for confined space ventilation.		
09 97 13 24-0164	SF	Spray 4 Mil (Dry) Epoxy Submerged Primer/Stripe Coat For Tanks (Bar-Rust 233H)	1.49	
		For Up To 100, Add	*0.91*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000, Deduct	*-0.19*	
		For Work In Restricted Working Space, Add	*0.35*	
09 97 13 24-0165	SF	Spray 6 Mil (Dry) Epoxy Submerged Primer/Stripe Coat For Tanks (Bar-Rust 233H)	2.03	
		For Up To 100, Add	*1.22*	
		For >100 To 250, Add	*0.59*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000, Deduct	*-0.25*	
		For Work In Restricted Working Space, Add	*0.46*	
09 97 13 24-0166	SF	Brush 4 Mil (Dry) Epoxy Submerged Primer/Stripe Coat For Tanks (Bar-Rust 233H)	1.78	
		For Up To 100, Add	*1.13*	
		For >100 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000, Deduct	*-0.23*	
		For Work In Restricted Working Space, Add	*0.43*	
09 97 13 24-0167	SF	Brush 6 Mil (Dry) Epoxy Submerged Primer/Stripe Coat For Tanks (Bar-Rust 233H)	2.44	
		For Up To 100, Add	*1.53*	
		For >100 To 250, Add	*0.73*	
		For >250 To 500, Add	*0.32*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000, Deduct	*-0.32*	
		For Work In Restricted Working Space, Add	*0.58*	
09 97 13 24-0168		Epoxy Submerged Topcoat For Tanks (Bar-Rust 234P) *(09 97 13 24-0030)*		
		See CSI section 01 22 23 00-0902 for confined space ventilation.		
09 97 13 24-0169	SF	Spray 25 Mil Epoxy Submerged Topcoat On Vessel/Tank (Bar-Rust 234P)	4.82	
		For Up To 100, Add	*2.37*	
		For >100 To 250, Add	*1.17*	
		For >250 To 500, Add	*0.52*	
		For >2,500 To 5,000, Deduct	*-0.24*	
		For >5,000 To 10,000, Deduct	*-0.38*	
		For >10,000, Deduct	*-0.52*	
		For Work In Restricted Working Space, Add	*0.83*	
09 97 13 24-0170	SF	Spray 30 Mil Epoxy Submerged Topcoat On Vessel/Tank (Bar-Rust 234P)	5.77	
		For Up To 100, Add	*2.83*	
		For >100 To 250, Add	*1.40*	
		For >250 To 500, Add	*0.62*	
		For >2,500 To 5,000, Deduct	*-0.29*	
		For >5,000 To 10,000, Deduct	*-0.45*	
		For >10,000, Deduct	*-0.62*	
		For Work In Restricted Working Space, Add	*0.98*	
09 97 13 24-0171	SF	Spray 35 Mil Epoxy Submerged Topcoat On Vessel/Tank (Bar-Rust 234P)	6.53	
		For Up To 100, Add	*3.16*	
		For >100 To 250, Add	*1.56*	
		For >250 To 500, Add	*0.69*	
		For >2,500 To 5,000, Deduct	*-0.33*	
		For >5,000 To 10,000, Deduct	*-0.51*	
		For >10,000, Deduct	*-0.69*	
		For Work In Restricted Working Space, Add	*1.09*	
09 97 13 24-0172	SF	Spray 40 Mil Epoxy Submerged Topcoat On Vessel/Tank (Bar-Rust 234P)	7.26	
		For Up To 100, Add	*3.45*	
		For >100 To 250, Add	*1.71*	
		For >250 To 500, Add	*0.76*	
		For >2,500 To 5,000, Deduct	*-0.36*	
		For >5,000 To 10,000, Deduct	*-0.56*	
		For >10,000, Deduct	*-0.76*	
		For Work In Restricted Working Space, Add	*1.18*	
09 97 13 24-0173	SF	Spray 45 Mil Epoxy Submerged Topcoat On Vessel/Tank (Bar-Rust 234P)	8.05	
		For Up To 100, Add	*3.80*	
		For >100 To 250, Add	*1.89*	
		For >250 To 500, Add	*0.83*	
		For >2,500 To 5,000, Deduct	*-0.40*	
		For >5,000 To 10,000, Deduct	*-0.62*	
		For >10,000, Deduct	*-0.83*	
		For Work In Restricted Working Space, Add	*1.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0174	SF	Spray 50 Mil Epoxy Submerged Topcoat On Vessel/Tank (Bar-Rust 234P)	8.82	
		For Up To 100, Add	*4.13*	
		For >100 To 250, Add	*2.05*	
		For >250 To 500, Add	*0.91*	
		For >2,500 To 5,000, Deduct	*-0.44*	
		For >5,000 To 10,000, Deduct	*-0.67*	
		For >10,000, Deduct	*-0.91*	
		For Work In Restricted Working Space, Add	*1.40*	
09 97 13 24-0175	SF	Brush 25 Mil Epoxy Submerged Topcoat On Vessel/Tank (Bar-Rust 234P)	5.69	
		For Up To 100, Add	*3.03*	
		For >100 To 250, Add	*1.47*	
		For >250 To 500, Add	*0.65*	
		For >2,500 To 5,000, Deduct	*-0.28*	
		For >5,000 To 10,000, Deduct	*-0.47*	
		For >10,000, Deduct	*-0.65*	
		For Work In Restricted Working Space, Add	*1.09*	
09 97 13 24-0176	SF	Brush 30 Mil Epoxy Submerged Topcoat On Vessel/Tank (Bar-Rust 234P)	6.62	
		For Up To 100, Add	*3.47*	
		For >100 To 250, Add	*1.69*	
		For >250 To 500, Add	*0.74*	
		For >2,500 To 5,000, Deduct	*-0.33*	
		For >5,000 To 10,000, Deduct	*-0.54*	
		For >10,000, Deduct	*-0.74*	
		For Work In Restricted Working Space, Add	*1.24*	
09 97 13 24-0177	SF	Brush 35 Mil Epoxy Submerged Topcoat On Vessel/Tank (Bar-Rust 234P)	7.47	
		For Up To 100, Add	*3.86*	
		For >100 To 250, Add	*1.89*	
		For >250 To 500, Add	*0.83*	
		For >2,500 To 5,000, Deduct	*-0.37*	
		For >5,000 To 10,000, Deduct	*-0.60*	
		For >10,000, Deduct	*-0.83*	
		For Work In Restricted Working Space, Add	*1.37*	
09 97 13 24-0178	SF	Brush 40 Mil Epoxy Submerged Topcoat On Vessel/Tank (Bar-Rust 234P)	8.28	
		For Up To 100, Add	*4.22*	
		For >100 To 250, Add	*2.07*	
		For >250 To 500, Add	*0.91*	
		For >2,500 To 5,000, Deduct	*-0.41*	
		For >5,000 To 10,000, Deduct	*-0.66*	
		For >10,000, Deduct	*-0.91*	
		For Work In Restricted Working Space, Add	*1.49*	
09 97 13 24-0179	SF	Brush 45 Mil Epoxy Submerged Topcoat On Vessel/Tank (Bar-Rust 234P)	9.17	
		For Up To 100, Add	*4.64*	
		For >100 To 250, Add	*2.28*	
		For >250 To 500, Add	*1.00*	
		For >2,500 To 5,000, Deduct	*-0.46*	
		For >5,000 To 10,000, Deduct	*-0.73*	
		For >10,000, Deduct	*-1.00*	
		For Work In Restricted Working Space, Add	*1.63*	
09 97 13 24-0180	SF	Brush 50 Mil Epoxy Submerged Topcoat On Vessel/Tank (Bar-Rust 234P)	10.05	
		For Up To 100, Add	*5.05*	
		For >100 To 250, Add	*2.48*	
		For >250 To 500, Add	*1.09*	
		For >2,500 To 5,000, Deduct	*-0.50*	
		For >5,000 To 10,000, Deduct	*-0.80*	
		For >10,000, Deduct	*-1.09*	
		For Work In Restricted Working Space, Add	*1.77*	

09 97 26 Cementitious Coatings *(09 97)*

09 97 26 13 Interior Cementitious Coatings *(09 97 26)*

09 97 26 13-0001 Ceramic-Like Glazed Coating *(09 97 26 13)*

09 97 26 13-0002 Ceramic-Like Glazed Coating, Cementitious *(09 97 26 13-0001)*

09 97 26 13-0003	SF	Ceramic-like Glazed Coating. - Cementitious	2.72

09 97 26 13-0004 Ceramic-Like Glazed Coating, Resin Base *(09 97 26 13-0001)*

09 97 26 13-0005	SF	Ceramic-like Glazed Coating - Resin	2.26

09 97 35 Dry Erase Coatings *(09 97)*

09 97 35 00-0001 Dry-Erase Paint *(09 97 35)*

09 97 35 00-0002 Dry-Erase Paint (IdeaPaint™ PRO) *(09 97 35 00-0001)*

09 97 35 00-0003	SF	Dry-Erase Paint (IdeaPaint™ PRO), Applied With Roller Note: Includes two coats of primer and white, white sand, light beige or light gray surface.	12.62

09 97 35 00-0004 Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE) *(09 97 35 00-0001)*

09 97 35 00-0005	SF	Clear, Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE), Applied With Roller Note: For application over existing latex-based top coats.	7.05
09 97 35 00-0006	SF	Black Or White, Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE), Applied With Roller Note: Includes two coats of primer and white or black surface coat.	13.53

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 97 63 Special Coatings and Protection Systems *(09 97)*

09 97 63 00-0001 Acrylic Glazed Coating *(09 97 63)*

09 97 63 00-0002	SF	Acrylic Glazed Coating	1.75	

09 97 63 00-0003 Adsil HVAC Equipment Coatings *(09 97 63)*

Note: Shop applied. A small job has 1 to 6 units and a total of less than 100 tons. A large job has greater than 7 units and 100 tons.

09 97 63 00-0004	TON	<40 Ton Condenser, Small Job, Adsil HVAC Equipment Coating	227.32	
		For Field Applied, Add	*34.10*	
09 97 63 00-0005	TON	40 To 49 Ton Condenser, Small Job, Adsil HVAC Equipment Coating	222.48	
		For Field Applied, Add	*33.37*	
09 97 63 00-0006	TON	>49 Ton Condenser, Small Job, Adsil HVAC Equipment Coating	212.81	
		For Field Applied, Add	*31.92*	
09 97 63 00-0007	TON	<40 Ton Evaporator, Small Job, Adsil HVAC Equipment Coating	116.08	
09 97 63 00-0008	TON	40 To 49 Ton Evaporator, Small Job, Adsil HVAC Equipment Coating	111.24	
09 97 63 00-0009	TON	>49 Ton Evaporator, Small Job, Adsil HVAC Equipment Coating	106.41	
09 97 63 00-0010	TON	<40 Ton Cabinet, Small Job, Adsil HVAC Equipment Coating	43.53	
09 97 63 00-0011	TON	40 To 49 Ton Cabinet, Small Job, Adsil HVAC Equipment Coating	38.69	
09 97 63 00-0012	TON	>49 Ton Cabinet, Small Job, Adsil HVAC Equipment Coating	33.86	
09 97 63 00-0013	TON	51 To 100 Ton Condenser, Large Job, Adsil HVAC Equipment Coating	221.27	
		For Field Applied, Add	*33.19*	
		For Cabinet, Add	*44.25*	
09 97 63 00-0014	TON	>100 Ton Condenser, Large Job, Adsil HVAC Equipment Coating	201.93	
		For Field Applied, Add	*30.29*	
		For Cabinet, Add	*40.39*	
09 97 63 00-0015	TON	51 To 100 Ton Evaporator, Large Job Adsil HVAC Equipment Coating	106.41	
		For Cabinet, Add	*21.28*	
09 97 63 00-0016	TON	>100 Ton Evaporator, Large Job, Adsil HVAC Equipment Coating	101.57	
		For Cabinet, Add	*20.31*	

END OF SECTION 09

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 Specialties

10 01 Operation and Maintenance of Specialties *(10)*

10 01 30 Operation and Maintenance of Fireplaces and Stoves *(10 01)*

10 01 30 00-0001 Fireplace Cleaning *(10 01 30)*

10 01 30 00-0002	EA	Inspect And Clean Fireplace Insert	248.99	
10 01 30 00-0003	EA	Inspect And Clean Fireplace Insert And Chimney	298.79	
10 01 30 00-0004	EA	Inspect And Clean Fireplace Brick/Masonry Chimney	398.38	

10 01 40 Operation and Maintenance of Safety Specialties *(10 01)*

10 01 40 00-0001 Recharge Existing Portable Fire Extinguishers *(10 01 40)*

Note: Includes removal, filling, testing, certification and reinstallation.

10 01 40 00-0002 Recharge Carbon Dioxide, Class BC Portable Fire Extinguishers *(10 01 40 00-0001)*

10 01 40 00-0003	EA	Recharge 2.5 Lb. Carbon Dioxide Portable Fire Extinguisher	18.49	
10 01 40 00-0004	EA	Recharge 5 Lb. Carbon Dioxide Portable Fire Extinguisher	20.54	
10 01 40 00-0005	EA	Recharge 10 Lb. Carbon Dioxide Portable Fire Extinguisher	21.36	
10 01 40 00-0006	EA	Recharge 15 Lb. Carbon Dioxide Portable Fire Extinguisher	24.18	
10 01 40 00-0007	EA	Recharge 20 Lb. Carbon Dioxide Portable Fire Extinguisher	27.94	

10 01 40 00-0008 Recharge Dry Chemical, Class ABC Portable Fire Extinguishers *(10 01 40 00-0001)*

10 01 40 00-0009	EA	Recharge 2.5 Lb. Dry Chemical Portable Fire Extinguisher	22.30	
10 01 40 00-0010	EA	Recharge 5 Lb. Dry Chemical Portable Fire Extinguisher	27.00	
10 01 40 00-0011	EA	Recharge 10 Lb. Dry Chemical Portable Fire Extinguisher	38.15	
10 01 40 00-0012	EA	Recharge 20 Lb. Dry Chemical Portable Fire Extinguisher	60.22	

10 01 40 00-0013 Recharge Other Portable Fire Extinguishers *(10 01 40 00-0001)*

10 01 40 00-0014	EA	Recharge 2.5 Gallon Pressurized Water Portable Fire Extinguisher	22.07	
10 01 40 00-0015	EA	Recharge 1.6 Gallon Wet Chemical Class K Fire Extinguisher	157.30	
10 01 40 00-0016	EA	Recharge 2.5 Gallon Wet Chemical Class K Fire Extinguisher	220.21	
10 01 40 00-0017	EA	Recharge 30 Lb. Dry Powder Class D Portable Fire Extinguisher	90.67	

10 01 50 Operation and Maintenance of Storage Specialties *(10 01)*

10 01 50 11 Operation and Maintenance of Storage Specialties *(10 01 50)*

10 01 50 11-0001 Locker Repair And Refinishing *(10 01 50 11)*

10 01 50 11-0002	EA	Removal And Replacement Of Single Tier Locker Door	364.31	
10 01 50 11-0003	EA	Removal And Replacement Of Two Tier Locker Door	286.39	
10 01 50 11-0004	EA	Removal And Replacement Of Three Tier Locker Door	245.28	
10 01 50 11-0005	EA	Removal And Replacement Of Four Tier Locker Door	206.74	
10 01 50 11-0006	EA	Removal And Replacement Of Six Tier Or Sixteen Person Locker Door	113.56	
10 01 50 11-0007	EA	Realign Metal Locker Door For Proper Closure	49.80	
10 01 50 11-0008	EA	Patch Small Drill Holes in Locker	9.96	

10 10 Information Specialties *(10)*

10 11 Visual Display Units *(10 10)*

10 11 13 Chalkboards *(10 11)*

10 11 13 13 Fixed Chalkboards *(10 11 13)*

Note: Select task based off the square footage of an individual chalkboard. For example use the >12 To 16 SF range for each 3' x 5' chalkboard.

10 11 13 13-0001 Porcelain Enamel Steel Chalkboards *(10 11 13 13)*

10 11 13 13-0002 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboards (Claridge 800 Series) *(10 11 13 13-0001)*

Note: Includes up to 1/2" core material, aluminum backing, full-length map rail, map hooks, chalk tray and mounting hardware.

10 11 13 13-0003	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	50.16	9.39
10 11 13 13-0004	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	32.15	4.41
10 11 13 13-0005	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	27.78	3.81
10 11 13 13-0006	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	23.09	2.49
10 11 13 13-0007	SF	>24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	19.35	1.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 13 13-0008		1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboards (Claridge 1300 Series) *(10 11 13 13-0001)*		
		Note: Includes up to 1/2" core material, aluminum backing, full-length map rail, map hooks, chalk tray and mounting hardware.		
10 11 13 13-0009	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	53.07	9.39
10 11 13 13-0010	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	34.99	4.41
10 11 13 13-0011	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	30.40	3.81
10 11 13 13-0012	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	26.26	2.49
10 11 13 13-0013	SF	>24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	22.46	1.38
10 11 13 13-0014		1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboards (Claridge 1600 Series) *(10 11 13 13-0001)*		
		Note: Includes up to 1/2" core material, aluminum backing, chalk tray and mounting hardware.		
10 11 13 13-0015	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	48.36	9.39
10 11 13 13-0016	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	30.31	4.41
10 11 13 13-0017	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	26.03	3.81
10 11 13 13-0018	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	21.62	2.49
10 11 13 13-0019	SF	>24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	17.71	1.38
10 11 13 13-0020		Removal And Reinstallation Of Chalkboards *(10 11 13 13)*		
		Note: Includes storage and cleaning.		
10 11 13 13-0021	SF	Removal And Reinstallation Of Chalkboard	11.56	
10 11 13 13-0022		Field Applied Chalkboard And Accessories *(10 11 13 13)*		
10 11 13 13-0023		Chalkboard Face Sheets And Panels *(10 11 13 13-0022)*		
10 11 13 13-0024	SF	Porcelain Enamel Steel Chalkboard Face Sheet (Claridge Vitracite)	16.65	4.41
		Note: Includes porcelain enamel steel chalkboard skin.		
10 11 13 13-0025	SF	Porcelain Enamel Steel Chalkboard Panel (Claridge VIT)	19.89	4.41
		Note: Includes porcelain enamel steel surface mounted on either particleboard or hardboard core with an aluminum moisture barrier back.		
10 11 13 13-0026		Chalkboard And Markerboard Accessory Trays And Trim *(10 11 13 13-0022)*		
10 11 13 13-0027	LF	Chalk And Marker Tray, Field Applied	24.18	6.07
10 11 13 13-0028	PR	Chalk And Marker Tray End Closures, Field Applied	30.00	11.04
10 11 13 13-0029	LF	Mullion Trim For Chalkboards And Markerboards, Field Applied	17.03	6.07
10 11 13 13-0030	LF	Screw On Trim For Chalkboards And Markerboards, Field Applied	16.64	6.07
10 11 13 13-0031	LF	1/2" Leg Map Rail For Chalkboards And Markerboards, Field Applied	17.74	6.07
10 11 13 13-0032	LF	1/4" Leg Map Rail For Chalkboards And Markerboards, Field Applied	19.83	6.07
10 11 13 13-0033	LF	No Leg Map Rail For Chalkboards And Markerboards, Field Applied	17.74	6.07
10 11 13 33		**Rail-Mounted Chalkboards** *(10 11 13)*		
10 11 13 33-0001		Horizontal Sliding, Porcelain Enamel Steel Chalkboards (Claridge HS Series) *(10 11 13 33)*		
10 11 13 33-0002		Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0001)*		
10 11 13 33-0003	EA	4' x 6' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	2,324.18	110.38
10 11 13 33-0004	EA	4' x 8' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	2,610.02	110.38
10 11 13 33-0005	EA	4' x 10' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	2,956.48	117.56
10 11 13 33-0006	EA	4' x 12' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,288.59	117.56
10 11 13 33-0007	EA	4' x 14' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,098.82	126.38
10 11 13 33-0008	EA	4' x 16' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,363.73	126.38
10 11 13 33-0009	EA	4' x 20' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,931.02	132.45
10 11 13 33-0010	EA	4' x 24' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	5,588.63	132.45
10 11 13 33-0011		Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0001)*		
10 11 13 33-0012	EA	4' x 6' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,176.81	110.38
10 11 13 33-0013	EA	4' x 8' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,768.89	110.38
10 11 13 33-0014	EA	4' x 10' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,313.64	117.56
10 11 13 33-0015	EA	4' x 12' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,857.25	117.56
10 11 13 33-0016	EA	4' x 14' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	5,537.49	126.38
10 11 13 33-0017	EA	4' x 16' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	5,777.07	126.38
10 11 13 33-0018	EA	4' x 20' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	6,775.09	132.45
10 11 13 33-0019	EA	4' x 24' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	7,574.80	132.45
10 11 13 33-0020		Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0001)*		
10 11 13 33-0021	EA	4' x 6' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,540.34	110.38
10 11 13 33-0022	EA	4' x 8' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,024.46	110.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 13 33-0023	EA	4' x 10' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,548.28	117.56
10 11 13 33-0024	EA	4' x 12' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	5,104.01	117.56
10 11 13 33-0025	EA	4' x 14' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	6,180.82	126.38
10 11 13 33-0026	EA	4' x 16' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	6,435.82	126.38
10 11 13 33-0027	EA	4' x 20' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	7,600.18	132.45
10 11 13 33-0028	EA	4' x 24' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	8,485.33	132.45
10 11 13 33-0029		Vertical Sliding, Porcelain Enamel Steel Chalkboards (Claridge TW Series) *(10 11 13 33)*		
10 11 13 33-0030		One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0029)*		
10 11 13 33-0031	EA	8' x 4' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard	2,778.56	110.38
10 11 13 33-0032	EA	8' x 5' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard	3,066.61	110.38
10 11 13 33-0033	EA	8' x 6' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard	3,353.58	117.56
10 11 13 33-0034	EA	8' x 8' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard	3,853.66	117.56
10 11 13 33-0035	EA	8' x 10' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard	4,221.58	126.38
10 11 13 33-0036	EA	8' x 12' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard	4,683.10	126.38
10 11 13 33-0037		Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0029)*		
10 11 13 33-0038	EA	8' x 4' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	4,076.15	110.38
10 11 13 33-0039	EA	8' x 5' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	4,523.35	110.38
10 11 13 33-0040	EA	8' x 6' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	4,971.68	117.56
10 11 13 33-0041	EA	8' x 8' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	5,794.48	117.56
10 11 13 33-0042	EA	8' x 10' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	6,306.67	126.38
10 11 13 33-0043	EA	8' x 12' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	7,053.46	126.38
10 11 13 33-0044		Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0029)*		
10 11 13 33-0045	EA	8' x 4' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	5,566.51	110.38
10 11 13 33-0046	EA	8' x 5' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	6,176.18	110.38
10 11 13 33-0047	EA	8' x 6' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	6,786.97	117.56
10 11 13 33-0048	EA	8' x 8' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	7,931.39	117.56
10 11 13 33-0049	EA	8' x 10' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	8,601.06	126.38
10 11 13 33-0050	EA	8' x 12' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	9,652.95	126.38
10 11 13 33-0051		Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards (Claridge MO Series) *(10 11 13 33)* Note: Excludes remotes.		
10 11 13 33-0052		One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0051)*		
10 11 13 33-0053	EA	10' x 4' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	8,928.61	220.76
10 11 13 33-0054	EA	10' x 5' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	9,183.74	220.76
10 11 13 33-0055	EA	10' x 6' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	9,468.08	227.66
10 11 13 33-0056	EA	10' x 8' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	9,935.37	227.66
10 11 13 33-0057	EA	10' x 10' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	10,451.72	234.55
10 11 13 33-0058	EA	10' x 12' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	10,902.49	234.55
10 11 13 33-0059	EA	10' x 14' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	11,883.18	248.35
10 11 13 33-0060	EA	10' x 16' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	12,007.88	248.35
10 11 13 33-0061		Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0051)*		
10 11 13 33-0062	EA	10' x 4' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	14,047.04	220.76
10 11 13 33-0063	EA	10' x 5' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	14,384.34	220.76
10 11 13 33-0064	EA	10' x 6' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	14,760.78	227.66
10 11 13 33-0065	EA	10' x 8' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	15,447.51	227.66
10 11 13 33-0066	EA	10' x 10' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	16,130.42	234.55
10 11 13 33-0067	EA	10' x 12' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	16,783.00	234.55
10 11 13 33-0068	EA	10' x 14' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	18,107.61	248.35
10 11 13 33-0069	EA	10' x 16' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	18,305.23	248.35
10 11 13 33-0070		Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0051)*		
10 11 13 33-0071	EA	10' x 4' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	18,250.04	220.76
10 11 13 33-0072	EA	10' x 5' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	19,101.35	220.76
10 11 13 33-0073	EA	10' x 6' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	19,552.25	227.66
10 11 13 33-0074	EA	10' x 8' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	20,445.20	227.66
10 11 13 33-0075	EA	10' x 10' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	21,383.90	234.55
10 11 13 33-0076	EA	10' x 12' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	22,286.76	234.55
10 11 13 33-0077	EA	10' x 14' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	24,067.65	248.35
10 11 13 33-0078	EA	10' x 16' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	24,415.31	248.35
10 11 13 33-0079		Sliding Chalkboard And Markerboard Accessories *(10 11 13 33)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 13 33-0080	EA	One Sliding Panel, Remote Control For Motor Operated Sliding Chalkboard Or Markerboard	670.89	
10 11 13 33-0081	EA	Two Sliding Panel, Remote Control For Motor Operated Sliding Chalkboard Or Markerboard	1,145.68	

10 11 16 Markerboards *(10 11)*

10 11 16 13 Fixed Markerboards *(10 11 16)*

Note: Select task based off the square footage of an individual markerboard. For example use the >12 To 16 SF range for each 3' x 5' markerboard.

10 11 16 13-0001 Porcelain Enamel Steel Markerboards *(10 11 16 13)*

10 11 16 13-0002 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboards (Claridge 800 Series) *(10 11 16 13-0001)*

Note: Includes up to 1/2" core material, aluminum backing, full-length map rail, map hooks, marker tray and mounting hardware.

10 11 16 13-0003	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	50.34	9.39
10 11 16 13-0004	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	32.79	4.41
10 11 16 13-0005	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	27.78	3.81
10 11 16 13-0006	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	23.32	2.49
10 11 16 13-0007	SF	>24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	19.09	1.38

10 11 16 13-0008 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboards (Claridge 1300 Series) *(10 11 16 13-0001)*

Note: Includes up to 1/2" core material, aluminum backing, full-length map rail, map hooks, marker tray and mounting hardware.

10 11 16 13-0009	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	53.11	9.39
10 11 16 13-0010	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	33.62	4.41
10 11 16 13-0011	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	29.02	3.81
10 11 16 13-0012	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	24.88	2.49
10 11 16 13-0013	SF	>24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	21.65	1.38

10 11 16 13-0014 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboards (Claridge LCS Series) *(10 11 16 13-0001)*

Note: Includes up to 1/2" core material, aluminum backing, marker tray and mounting hardware.

10 11 16 13-0015	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard	48.34	9.39
10 11 16 13-0016	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard	30.32	4.41
10 11 16 13-0017	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard	27.37	3.81
10 11 16 13-0018	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard	21.76	2.49
10 11 16 13-0019	SF	>24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard	17.40	1.38

10 11 16 13-0020 Melamine Markerboards *(10 11 16 13)*

10 11 16 13-0021 1-1/4" Face Aluminum Frame, Melamine Markerboard (Claridge MLC Series) *(10 11 16 13-0020)*

Note: Includes full-length map rail, map hooks, marker tray and mounting hardware.

10 11 16 13-0022	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard	39.87	9.39
10 11 16 13-0023	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard	24.49	4.41
10 11 16 13-0024	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard	21.24	3.81
10 11 16 13-0025	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard	15.98	2.49
10 11 16 13-0026	SF	>24 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard	12.99	1.38

10 11 16 13-0027 1-3/4" Face Wood Frame, Melamine Markerboard (Claridge MLC Series) *(10 11 16 13-0020)*

Note: Includes marker tray and mounting hardware.

10 11 16 13-0028	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	38.93	9.39
10 11 16 13-0029	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	24.05	4.41
10 11 16 13-0030	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	20.62	3.81
10 11 16 13-0031	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	14.87	2.49
10 11 16 13-0032	SF	>24 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	11.99	1.38

10 11 16 13-0033 Nonporous, Non-Staining Markerboards *(10 11 16 13)*

10 11 16 13-0034 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) *(10 11 16 13-0033)*

Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.

10 11 16 13-0035	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	55.43	9.39
		For Magnetic Surface, Add	*3.67*	
10 11 16 13-0036	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	36.73	4.41
		For Magnetic Surface, Add	*2.79*	
10 11 16 13-0037	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	31.68	3.81
		For Magnetic Surface, Add	*2.41*	
10 11 16 13-0038	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	28.08	2.49
		For Magnetic Surface, Add	*2.31*	
10 11 16 13-0039	SF	>24 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	24.32	1.38
		For Magnetic Surface, Add	*2.16*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 16 13-0040		1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) *(10 11 16 13-0033)*		
		Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.		
10 11 16 13-0041	SF	Up To 6 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	55.43	9.39
		For Magnetic Surface, Add	*3.67*	
10 11 16 13-0042	SF	>6 To 12 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	36.73	4.41
		For Magnetic Surface, Add	*2.79*	
10 11 16 13-0043	SF	>12 To 16 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	31.68	3.81
		For Magnetic Surface, Add	*2.41*	
10 11 16 13-0044	SF	>16 To 24 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	28.08	2.49
		For Magnetic Surface, Add	*2.31*	
10 11 16 13-0045	SF	>24 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	24.32	1.38
		For Magnetic Surface, Add	*2.16*	
10 11 16 13-0046		1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) *(10 11 16 13-0033)*		
		Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.		
10 11 16 13-0047	SF	Up To 6 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard	100.88	9.39
		For Magnetic Surface, Add	*8.21*	
10 11 16 13-0048	SF	>6 To 12 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard	64.04	4.41
		For Magnetic Surface, Add	*5.52*	
10 11 16 13-0049	SF	>12 To 16 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard	54.10	3.81
		For Magnetic Surface, Add	*4.65*	
10 11 16 13-0050	SF	>16 To 24 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard	45.82	2.49
		For Magnetic Surface, Add	*4.09*	
10 11 16 13-0051	SF	>24 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard	35.65	1.38
		For Magnetic Surface, Add	*3.29*	
10 11 16 13-0052		Nonporous, Non-Staining Markerboard Resurfacing Panels (EverWhite EverEZ Resurfacing Panels) *(10 11 16 13-0033)*		
		Note: Includes non-staining, permanent marker resistant, magnetic dry erase surface. Excludes frame. Resurfacing panel for mounting to existing chalkboard or markerboard consists of dry erase surface; 24-gauge treated steel interlayer and pressure-sensitive adhesive backing.		
10 11 16 13-0053	SF	Up To 16 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing	24.95	3.81
10 11 16 13-0054	SF	>16 To 24 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing	21.40	2.49
10 11 16 13-0055	SF	>24 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing	18.08	1.38
10 11 16 13-0056		Removal And Reinstallation Of Markerboard *(10 11 16 13)*		
		Note: Includes storage and cleaning.		
10 11 16 13-0057	EA	Up To 6 SF, Removal And Reinstallation Of Markerboard	66.23	
10 11 16 13-0058	EA	>6 To 12 SF, Removal And Reinstallation Of Markerboard	77.27	
10 11 16 13-0059	EA	>12 To 16 SF, Removal And Reinstallation Of Markerboard	88.31	
10 11 16 13-0060	EA	>16 To 24 SF, Removal And Reinstallation Of Markerboard	99.34	
10 11 16 13-0061	EA	>24 SF, Removal And Reinstallation Of Markerboard	110.38	
10 11 16 13-0062		Field Applied Markerboard And Accessories *(10 11 16 13)*		
10 11 16 13-0063		Markerboard Face Sheets And Panels *(10 11 16 13-0062)*		
10 11 16 13-0064	SF	Porcelain Enamel Steel Markerboard Face Sheet (Claridge LCS)	16.39	4.41
		Note: Includes porcelain enamel steel markerboard skin backed with double-sided tape.		
10 11 16 13-0065	SF	Porcelain Enamel Steel Markerboard Face Sheet With Double Sided Tape (Claridge LCS EZ Stick)	19.30	4.41
		Note: Includes porcelain enamel steel markerboard skin backed with double-sided tape.		
10 11 16 13-0066	SF	Porcelain Enamel Steel Markerboard Panel (Claridge LCS)	19.23	4.41
		Note: Includes porcelain enamel steel surface mounted on either 3/8" particleboard or 1/4" hardboard core with an aluminum moisture barrier back.		
10 11 16 13-0067	SF	Melamine Markerboard Panel (Claridge 1032)	11.12	4.41
		Note: Includes 1/4" thick melamine panel.		
10 11 16 13-0068		Chalkboard And Markerboard Accessory Trays And Trim *(10 11 16 13-0062)*		
		See CSI section 10 11 13 13-0026 for chalkboard and markerboard accessory trays and trim.		
10 11 16 33		**Rail-Mounted Markerboards** *(10 11 16)*		
10 11 16 33-0001		Horizontal Sliding, Porcelain Enamel Steel Markerboards (Claridge HS Series) *(10 11 16 33)*		
10 11 16 33-0002		Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0001)*		
10 11 16 33-0003	EA	4' x 6' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	2,296.16	110.38
10 11 16 33-0004	EA	4' x 8' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	2,572.65	110.38
10 11 16 33-0005	EA	4' x 10' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	2,909.77	117.56

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 16 33-0006	EA	4' x 12' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,232.54	117.56
10 11 16 33-0007	EA	4' x 14' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,033.43	126.38
10 11 16 33-0008	EA	4' x 16' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,289.00	126.38
10 11 16 33-0009	EA	4' x 20' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,837.61	132.45
10 11 16 33-0010	EA	4' x 24' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	5,476.53	132.45

10 11 16 33-0011 Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0001)*

10 11 16 33-0012	EA	4' x 6' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,148.79	110.38
10 11 16 33-0013	EA	4' x 8' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,731.53	110.38
10 11 16 33-0014	EA	4' x 10' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,266.93	117.56
10 11 16 33-0015	EA	4' x 12' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,801.20	117.56
10 11 16 33-0016	EA	4' x 14' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	5,472.10	126.38
10 11 16 33-0017	EA	4' x 16' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	5,702.34	126.38
10 11 16 33-0018	EA	4' x 20' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	6,681.67	132.45
10 11 16 33-0019	EA	4' x 24' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	7,462.70	132.45

10 11 16 33-0020 Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0001)*

10 11 16 33-0021	EA	4' x 6' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,512.31	110.38
10 11 16 33-0022	EA	4' x 8' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,987.10	110.38
10 11 16 33-0023	EA	4' x 10' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,501.57	117.56
10 11 16 33-0024	EA	4' x 12' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	5,047.96	117.56
10 11 16 33-0025	EA	4' x 14' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	6,115.43	126.38
10 11 16 33-0026	EA	4' x 16' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	6,361.09	126.38
10 11 16 33-0027	EA	4' x 20' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	7,506.76	132.45
10 11 16 33-0028	EA	4' x 24' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	8,401.25	132.45

10 11 16 33-0029 Vertical Sliding, Porcelain Enamel Steel Markerboards (Claridge TW Series) *(10 11 16 33)*

10 11 16 33-0030 One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0029)*

10 11 16 33-0031	EA	8' x 4' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	2,741.20	110.38
10 11 16 33-0032	EA	8' x 5' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	3,019.90	110.38
10 11 16 33-0033	EA	8' x 6' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	3,297.53	117.56
10 11 16 33-0034	EA	8' x 8' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	3,778.93	117.56
10 11 16 33-0035	EA	8' x 10' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,128.16	126.38
10 11 16 33-0036	EA	8' x 12' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,571.00	126.38

10 11 16 33-0037 Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0029)*

10 11 16 33-0038	EA	8' x 4' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,001.42	110.38
10 11 16 33-0039	EA	8' x 5' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,429.94	110.38
10 11 16 33-0040	EA	8' x 6' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,859.58	117.56
10 11 16 33-0041	EA	8' x 8' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	5,645.02	117.56
10 11 16 33-0042	EA	8' x 10' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	6,119.84	126.38
10 11 16 33-0043	EA	8' x 12' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	6,829.26	126.38

10 11 16 33-0044 Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0029)*

10 11 16 33-0045	EA	8' x 4' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	5,454.41	110.38
10 11 16 33-0046	EA	8' x 5' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	6,036.05	110.38
10 11 16 33-0047	EA	8' x 6' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	6,618.82	117.56
10 11 16 33-0048	EA	8' x 8' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	7,707.19	117.56
10 11 16 33-0049	EA	8' x 10' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	8,320.82	126.38
10 11 16 33-0050	EA	8' x 12' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	9,316.65	126.38

10 11 16 33-0051 Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards (Claridge MO Series) *(10 11 16 33)*

Note: Excludes remotes.

10 11 16 33-0052 One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0051)*

10 11 16 33-0053	EA	10' x 4' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	8,881.90	220.76
10 11 16 33-0054	EA	10' x 5' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	9,125.35	220.76
10 11 16 33-0055	EA	10' x 6' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	9,398.02	227.66
10 11 16 33-0056	EA	10' x 8' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	9,841.96	227.66
10 11 16 33-0057	EA	10' x 10' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	10,334.95	234.55
10 11 16 33-0058	EA	10' x 12' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	10,762.37	234.55
10 11 16 33-0059	EA	10' x 14' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	11,719.71	248.35
10 11 16 33-0060	EA	10' x 16' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	11,821.06	248.35

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 16 33-0061		Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0051)*		
10 11 16 33-0062	EA	10' x 4' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	13,953.62	220.76
10 11 16 33-0063	EA	10' x 5' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	14,267.58	220.76
10 11 16 33-0064	EA	10' x 6' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	14,620.66	227.66
10 11 16 33-0065	EA	10' x 8' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	15,260.68	227.66
10 11 16 33-0066	EA	10' x 10' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	15,896.88	234.55
10 11 16 33-0067	EA	10' x 12' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	16,502.75	234.55
10 11 16 33-0068	EA	10' x 14' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	17,780.66	248.35
10 11 16 33-0069	EA	10' x 16' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	17,931.57	248.35
10 11 16 33-0070		Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0051)*		
10 11 16 33-0071	EA	10' x 4' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	18,109.92	220.76
10 11 16 33-0072	EA	10' x 5' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	18,926.20	220.76
10 11 16 33-0073	EA	10' x 6' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	19,342.07	227.66
10 11 16 33-0074	EA	10' x 8' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	20,164.96	227.66
10 11 16 33-0075	EA	10' x 10' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	21,033.59	234.55
10 11 16 33-0076	EA	10' x 12' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	21,866.39	234.55
10 11 16 33-0077	EA	10' x 14' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	23,577.22	248.35
10 11 16 33-0078	EA	10' x 16' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	23,854.82	248.35
10 11 16 33-0079		Sliding Chalkboard And Markerboard Accessories *(10 11 16 33)* See CSI section 10 11 13 33-0079 for sliding chalkboard and markerboard accessories.		
10 11 23		**Tackboards** *(10 11)*		
10 11 23 13		**Fixed Tackboards** *(10 11 23)* Note: Select task based off the square footage of an individual tackboard. For example use the >12 To 16 SF range for each 3' x 5' tackboard.		
10 11 23 13-0001		Fixed Tackboards *(10 11 23 13)* Note: Select task based off the square footage of an individual tackboard. For example use the >12 To 16 SF range for each 3' x 5' tackboard.		
10 11 23 13-0002		Cork Surface, Fixed Tackboards *(10 11 23 13-0001)* Note: Includes up to 1/4" cork surface, unmounted or mounted on duracore or hardboard.		
10 11 23 13-0003		5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboards (Claridge 800 Series) *(10 11 23 13-0002)*		
10 11 23 13-0004	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	33.54	9.39
10 11 23 13-0005	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	19.11	4.41
10 11 23 13-0006	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	16.56	3.81
10 11 23 13-0007	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	13.22	2.49
10 11 23 13-0008	SF	>24 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	10.82	1.38
10 11 23 13-0009		1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboards (Claridge 900A Series) *(10 11 23 13-0002)*		
10 11 23 13-0010	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	35.28	9.39
10 11 23 13-0011	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	19.92	4.41
10 11 23 13-0012	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	16.15	3.81
10 11 23 13-0013	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	12.58	2.49
10 11 23 13-0014	SF	>24 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	9.81	1.38
10 11 23 13-0015		1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboards (Claridge 700 Series) *(10 11 23 13-0002)*		
10 11 23 13-0016	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	35.47	9.39
10 11 23 13-0017	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	21.62	4.41
10 11 23 13-0018	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	20.00	3.81
10 11 23 13-0019	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	15.38	2.49
10 11 23 13-0020	SF	>24 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	12.16	1.38
10 11 23 13-0021		Burlap Backed Cork Surface, Fixed Tackboards *(10 11 23 13-0001)* Note: Includes burlap backed 1/4" self-healing cork surface, unmounted or mounted on hardboard.		
10 11 23 13-0022		5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboards (Claridge 800 Series) *(10 11 23 13-0021)*		
10 11 23 13-0023	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	38.59	9.39
10 11 23 13-0024	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	25.17	4.41
10 11 23 13-0025	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	22.96	3.81
10 11 23 13-0026	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	19.65	2.49
10 11 23 13-0027	SF	>24 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	17.36	1.38
10 11 23 13-0028		1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboards (Claridge 700 Series) *(10 11 23 13-0021)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 23 13-0029	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	42.81	9.39
10 11 23 13-0030	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	29.68	4.41
10 11 23 13-0031	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	27.51	3.81
10 11 23 13-0032	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	22.95	2.49
10 11 23 13-0033	SF	>24 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	19.77	1.38
10 11 23 13-0034		Polyester Fabric Surface, Fixed Tackboards *(10 11 23 13-0001)*		
		Note: Includes polyester fabric on cork underlay, unmounted or mounted on duracore. Class A rating.		
10 11 23 13-0035		5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboards (Claridge 800 Series) *(10 11 23 13-0034)*		
10 11 23 13-0036	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	34.73	9.39
10 11 23 13-0037	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	20.58	4.41
10 11 23 13-0038	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	18.21	3.81
10 11 23 13-0039	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	14.92	2.49
10 11 23 13-0040	SF	>24 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	12.33	1.38
10 11 23 13-0041		1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboards (Claridge 700 Series) *(10 11 23 13-0034)*		
10 11 23 13-0042	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	37.12	9.39
10 11 23 13-0043	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	23.68	4.41
10 11 23 13-0044	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	21.93	3.81
10 11 23 13-0045	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	17.49	2.49
10 11 23 13-0046	SF	>24 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	14.36	1.38
10 11 23 13-0047		Vinyl Fabric Surface, Fixed Tackboards *(10 11 23 13-0001)*		
		Note: Includes vinyl fabric on cork underlay, unmounted or mounted on duracore.		
10 11 23 13-0048		5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboards (Claridge 800 Series) *(10 11 23 13-0047)*		
10 11 23 13-0049	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	33.54	9.39
10 11 23 13-0050	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	19.20	4.41
10 11 23 13-0051	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	16.70	3.81
10 11 23 13-0052	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	13.22	2.49
10 11 23 13-0053	SF	>24 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	10.61	1.38
10 11 23 13-0054		1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboards (Claridge 700 Series) *(10 11 23 13-0047)*		
10 11 23 13-0055	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	35.47	9.39
10 11 23 13-0056	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	22.47	4.41
10 11 23 13-0057	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	20.00	3.81
10 11 23 13-0058	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	15.38	2.49
10 11 23 13-0059	SF	4' x 8', 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	12.16	1.38
10 12		**Display Cases** *(10 10)*		
10 12 00 00-0001		Counter Display Cases *(10 12)*		
10 12 00 00-0002	EA	30" x 12" x 36" Counter Display Cases	1,882.02	169.10
10 12 00 00-0003	EA	30" x 12" x 48" Counter Display Cases	2,035.64	169.10
10 12 00 00-0004	EA	30" x 18" x 36" Counter Display Cases	1,973.08	169.10
10 12 00 00-0005	EA	30" x 18" x 48" Counter Display Cases	1,978.99	75.16
10 12 00 00-0006		Upright Display Case *(10 12)*		
10 12 00 00-0007	EA	72" High x 20" Deep x 70" Wide, Upright Display Case	3,965.89	169.10
10 12 00 00-0008		Full Vision Display Case *(10 12)*		
10 12 00 00-0009	EA	38" x 20" x 70" Full Vision Display Case	2,576.59	169.10
10 13		**Directories** *(10 10)*		
10 13 11		**Directory and Bulletin Boards** *(10 13)*		
		Note: Select task based off the square footage of an individual directory or bulletin board. For example use the >12 To 16 SF range for each 3' x 5' directory or bulletin board.		
10 13 11 00-0001		Wall Mounted Directories *(10 13 11)*		
		Note: Includes changeable letters.		
10 13 11 00-0002		Open Face, Wall Mounted Directories *(10 13 11 00-0001)*		
		Note: Includes vinyl or felt back panel.		
10 13 11 00-0003		Wood Frame, Open Face, Wall Mounted Directories (Claridge 350 Series) *(10 13 11 00-0002)*		
10 13 11 00-0004	SF	Up To 6 SF, Wood Frame, Open Face, Wall Mounted Directory	55.85	9.39
10 13 11 00-0005	SF	>6 To 12 SF, Wood Frame, Open Face, Wall Mounted Directory	36.65	4.41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 11 00-0006	SF	>12 To 16 SF, Wood Frame, Open Face, Wall Mounted Directory	33.31	3.81
10 13 11 00-0007	SF	>16 To 24 SF, Wood Frame, Open Face, Wall Mounted Directory	25.48	2.49
10 13 11 00-0008	SF	>24 SF, Wood Frame, Open Face, Wall Mounted Directory	20.39	1.38

10 13 11 00-0009 Aluminum Frame, Open Face, Wall Mounted Directories (Claridge 432 Series) *(10 13 11 00-0002)*

10 13 11 00-0010	SF	Up To 6 SF, Aluminum Frame, Open Face, Wall Mounted Directory	56.40	9.39
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0011	SF	>6 To 12 SF, Aluminum Frame, Open Face, Wall Mounted Directory	37.01	4.41
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0012	SF	>12 To 16 SF, Aluminum Frame, Open Face, Wall Mounted Directory	34.05	3.81
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0013	SF	>16 To 24 SF, Aluminum Frame, Open Face, Wall Mounted Directory	24.28	2.49
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0014	SF	>24 SF, Aluminum Frame, Open Face, Wall Mounted Directory	20.94	1.38
		For Bronze Anodize Finish, Add	*12.00*	

10 13 11 00-0015 Glass Encased, Wall Mounted Directory Cabinets *(10 13 11 00-0001)*

Note: Includes vinyl or felt back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.

10 13 11 00-0016 Wood Frame, Glass Encased, Wall Mounted Directory Cabinets *(10 13 11 00-0015)*

10 13 11 00-0017 Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge 3052 Series) *(10 13 11 00-0016)*

10 13 11 00-0018	SF	Up To 6 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	138.65	9.39
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0019	SF	>6 To 12 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	111.37	4.41
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0020	SF	>12 To 16 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	93.26	3.81
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0021	SF	>16 To 24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	86.43	2.49
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0022	SF	>24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	78.22	1.38
		For Fluorescent Lights, Add	*15.00*	

10 13 11 00-0023 Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge 345 Series) *(10 13 11 00-0016)*

10 13 11 00-0024	SF	Up To 12 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	119.19	9.39
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0025	SF	>12 To 16 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	96.32	3.81
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0026	SF	>16 To 24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	69.08	2.49
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0027	SF	>24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	62.25	1.38
		For Fluorescent Lights, Add	*15.00*	

10 13 11 00-0028 Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets *(10 13 11 00-0015)*

10 13 11 00-0029 Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge Contemporary Series) *(10 13 11 00-0028)*

10 13 11 00-0030	SF	Up To 6 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	124.06	9.39
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*21.06*	
10 13 11 00-0031	SF	>6 To 12 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	96.23	4.41
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*17.48*	
10 13 11 00-0032	SF	>12 To 16 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	81.43	3.81
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*14.76*	
10 13 11 00-0033	SF	>16 To 24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	59.87	2.49
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*10.98*	
10 13 11 00-0034	SF	>24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	55.92	1.38
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*10.63*	

10 13 11 00-0035 Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge Contemporary Series) *(10 13 11 00-0028)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 11 00-0036	SF	Up To 6 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	191.44	9.39
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*34.54*	
10 13 11 00-0037	SF	>6 To 12 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	111.29	4.41
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*20.49*	
10 13 11 00-0038	SF	>12 To 16 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	93.75	3.81
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*17.23*	
10 13 11 00-0039	SF	>16 To 24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	72.30	2.49
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*13.47*	
10 13 11 00-0040	SF	>24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	66.94	1.38
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*12.84*	

10 13 11 00-0041 Outdoor, Glass Encased, Wall Mounted Directory Cabinets *(10 13 11 00-0001)*

Note: Includes vinyl or felt back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.

10 13 11 00-0042 Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Directory Cabinets *(10 13 11 00-0041)*

10 13 11 00-0043 Hinged Door, Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Directory Cabinets (Claridge 548 Series) *(10 13 11 00-0042)*

10 13 11 00-0044	SF	Up To 6 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet	188.04	9.39
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0045	SF	>6 To 12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet	125.70	4.41
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0046	SF	>12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet	122.18	3.81
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	

10 13 11 00-0047 Wall Mounted Bulletin Boards *(10 13 11)*

10 13 11 00-0048 Glass Encased, Wall Mounted Bulletin Board Cabinets *(10 13 11 00-0047)*

Note: Includes cork, fabric or hook-fab back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.

10 13 11 00-0049 Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets *(10 13 11 00-0048)*

10 13 11 00-0050 Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge 3070 Series) *(10 13 11 00-0049)*

10 13 11 00-0051	SF	Up To 6 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	135.34	9.39
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0052	SF	>6 To 12 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	108.89	4.41
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0053	SF	>12 To 16 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	90.78	3.81
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0054	SF	>16 To 24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	84.09	2.49
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0055	SF	>24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	77.12	1.38
		For Fluorescent Lights, Add	*15.00*	

10 13 11 00-0056 Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge 310 Series) *(10 13 11 00-0049)*

10 13 11 00-0057	SF	Up To 12 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	113.31	9.39
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0058	SF	>12 To 16 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	90.74	3.81
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0059	SF	>16 To 24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	64.77	2.49
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0060	SF	>24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	58.94	1.38
		For Fluorescent Lights, Add	*15.00*	

10 13 11 00-0061 Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets *(10 13 11 00-0048)*

10 13 11 00-0062 Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge Contemporary Series) *(10 13 11 00-0061)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 11 00-0063	SF	Up To 6 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	127.08	9.39
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*21.66*	
10 13 11 00-0064	SF	>6 To 12 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	99.25	4.41
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*18.08*	
10 13 11 00-0065	SF	>12 To 16 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	84.45	3.81
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*15.37*	
10 13 11 00-0066	SF	>16 To 24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	62.89	2.49
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*11.59*	
10 13 11 00-0067	SF	>24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	58.94	1.38
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*11.24*	

10 13 11 00-0068 Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge Contemporary Series) *(10 13 11 00-0061)*

10 13 11 00-0069	SF	Up To 6 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	194.46	9.39
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*35.14*	
10 13 11 00-0070	SF	>6 To 12 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	114.31	4.41
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*21.10*	
10 13 11 00-0071	SF	>12 To 16 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	96.77	3.81
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*17.83*	
10 13 11 00-0072	SF	>16 To 24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	75.32	2.49
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*14.07*	
10 13 11 00-0073	SF	>24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	69.96	1.38
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*13.44*	

10 13 11 00-0074 Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets *(10 13 11 00-0047)*

Note: Includes cork, fabric or hook-fab back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.

10 13 11 00-0075 Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets *(10 13 11 00-0074)*

10 13 11 00-0076 Hinged Door, Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets *(10 13 11 00-0075)*

10 13 11 00-0077	SF	Up To 6 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet	185.02	9.39
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0078	SF	>6 To 12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet	122.69	4.41
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0079	SF	>12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet	119.19	3.81
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	

10 14 Signage *(10 10)*

Note: Where required, signage excludes electrical connection, disconnect, or terminations unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection wiring, 26 05 83 00-0001 for terminations.

10 14 16 Plaques *(10 14)*

Note: Includes minimum 1/4" to 3/8" plaque with custom 1/4" raised lettering and emblem casting. Sizes one to four SF each.

10 14 16 00-0001 Metal Cased Plaque *(10 14 16)*

10 14 16 00-0002	SF	Bronze Cast Plaque With lettering Including Emblem Size 1-4 SF Each	541.13	27.58
		For >5 To 10, Deduct	*-58.42*	
		For >10 Each, Deduct	*-101.50*	
10 14 16 00-0003	SF	Aluminum Cast Plaque With lettering Including Emblem Size 1-4 SF Each	378.70	27.58
		For >5 To 10, Deduct	*-40.55*	
		For >10 Each, Deduct	*-67.39*	

10 14 16 00-0004 Metal Engraved Plaque, Etched *(10 14 16)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 16 00-0005	SF	Porcelainized Steel Engraved Plaque Including Emblem Size 1-4 SF Each	415.24	27.58
		For >5 To 10, Deduct	*-44.57*	
		For >10 Each, Deduct	*-75.06*	
10 14 16 00-0006	SF	Stainless Steel Engraved Plaque Including Emblem Size 1-4 SF Each	387.52	27.58
		For >5 To 10, Deduct	*-41.52*	
		For >10 Each, Deduct	*-69.24*	
10 14 16 00-0007	SF	Brass Engraved Plaque Including Emblem Size 1-4 SF Each	267.82	27.58
		For >5 To 10, Deduct	*-28.36*	
		For >10 Each, Deduct	*-44.11*	
10 14 16 00-0008	SF	Aluminum Engraved Plaque Including Emblem Size 1-4 SF Each	259.01	27.58
		For >5 To 10, Deduct	*-27.39*	
		For >10 Each, Deduct	*-42.26*	

10 14 16 00-0009 Metal Built-Up Plaque *(10 14 16)*

10 14 16 00-0010	SF	Bronze Built-up Plaque	414.49	34.20
		Note: Including Emblem Size 1-4 SF Each		
		For >5 To 10, Deduct	*-44.21*	
		For >10 Each, Deduct	*-71.87*	
10 14 16 00-0011	SF	Copper And Bronze Built-up Plaque	422.87	34.20
		Note: Including Emblem Size 1-4 SF Each		
		For >5 To 10, Deduct	*-45.14*	
		For >10 Each, Deduct	*-73.63*	
10 14 16 00-0012	SF	Copper And Aluminum Built-up Plaque	423.92	34.20
		Note: Including Emblem Size 1-4 SF Each		
		For >5 To 10, Deduct	*-45.25*	
		For >10 Each, Deduct	*-73.85*	
10 14 16 00-0013	SF	Bronze Built-up Dedication Plaque	480.20	68.96
		Note: Including Raised Bronze Lettering		
		For >5 To 10, Deduct	*-51.44*	
		For >10 Each, Deduct	*-85.67*	
10 14 16 00-0014	SF	Bronze Built-up Plaque	410.34	68.96
		Note: Including Raised Bronze Lettering		
		For >5 To 10, Deduct	*-43.76*	
		For >10 Each, Deduct	*-71.00*	

10 14 16 00-0015 Metal Nameplate Plaques *(10 14 16)*

10 14 16 00-0016	SF	Cast Bronze Nameplate Plaque Including Emblem Size 1-4 SF Each	213.27	18.76
		For >5 To 10, Deduct	*-22.72*	
		For >10 Each, Deduct	*-36.69*	
10 14 16 00-0017	SF	Cast Aluminum Nameplate Plaque Including Emblem Size 1-4 SF Each	294.07	18.76
		For >5 To 10, Deduct	*-31.61*	
		For >10 Each, Deduct	*-53.66*	
10 14 16 00-0018	EA	1-1/2" x 6" Engraved Bronze Nameplate Including Emblem Size 1-4 SF Each	157.39	18.76
		For >5 To 10, Deduct	*-16.58*	
		For >10 Each, Deduct	*-24.96*	
10 14 16 00-0019	EA	1-1/2" x 6" Engraved Aluminum Nameplate Including Emblem Size 1-4 SF Each	149.18	18.76
		For >5 To 10, Deduct	*-15.67*	
		For >10 Each, Deduct	*-23.23*	
10 14 16 00-0020	SF	Bronze Built-up Plaque Including Raised Bronze Lettering (3' x 9")	400.36	68.96
		For >5 To 10, Deduct	*-42.66*	
		For >10 Each, Deduct	*-68.91*	

10 14 19 Dimensional Letter Signage *(10 14)*

Note: Mounted on masonry or concrete.

10 14 19 00-0001 Cast Characters *(10 14 19)*

Note: Any font.

10 14 19 00-0002 Satin Finish, Cast Aluminum Characters *(10 14 19 00-0001)*

10 14 19 00-0003	EA	2" High x 3/8" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	50.92	6.90
		For Installation With Adhesive, Deduct	*-5.30*	
		For Clear Anodized, Add	*2.33*	
		For Satin Face And Enameled Return, Add	*7.00*	
		For Patina Finish, Add	*9.34*	
		For Color Anodized, Add	*11.67*	
10 14 19 00-0004	EA	3" High x 1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	60.31	7.45
		For Installation With Adhesive, Deduct	*-5.99*	
		For Clear Anodized, Add	*3.05*	
		For Satin Face And Enameled Return, Add	*9.16*	
		For Patina Finish, Add	*12.21*	
		For Color Anodized, Add	*15.26*	
10 14 19 00-0005	EA	4" High x 5/8" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	66.11	8.00
		For Installation With Adhesive, Deduct	*-6.51*	
		For Clear Anodized, Add	*3.41*	
		For Satin Face And Enameled Return, Add	*10.23*	
		For Patina Finish, Add	*13.64*	
		For Color Anodized, Add	*17.06*	
10 14 19 00-0006	EA	5" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	75.91	9.16
		For Installation With Adhesive, Deduct	*-7.44*	
		For Clear Anodized, Add	*3.95*	
		For Satin Face And Enameled Return, Add	*11.85*	
		For Patina Finish, Add	*15.80*	
		For Color Anodized, Add	*19.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0007	EA	6" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	83.50	9.65
		For Installation With Adhesive, Deduct	*-8.04*	
		For Clear Anodized, Add	*4.49*	
		For Satin Face And Enameled Return, Add	*13.47*	
		For Patina Finish, Add	*17.96*	
		For Color Anodized, Add	*22.45*	
10 14 19 00-0008	EA	8" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	99.79	11.03
		For Installation With Adhesive, Deduct	*-9.40*	
		For Clear Anodized, Add	*5.57*	
		For Satin Face And Enameled Return, Add	*16.70*	
		For Patina Finish, Add	*22.26*	
		For Color Anodized, Add	*27.83*	
10 14 19 00-0009	EA	9" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	110.98	11.59
		For Installation With Adhesive, Deduct	*-10.18*	
		For Clear Anodized, Add	*6.46*	
		For Satin Face And Enameled Return, Add	*19.39*	
		For Patina Finish, Add	*25.86*	
		For Color Anodized, Add	*32.32*	
10 14 19 00-0010	EA	10" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	126.85	12.41
		For Installation With Adhesive, Deduct	*-11.31*	
		For Clear Anodized, Add	*7.72*	
		For Satin Face And Enameled Return, Add	*23.16*	
		For Patina Finish, Add	*30.88*	
		For Color Anodized, Add	*38.61*	
10 14 19 00-0011	EA	12" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	154.34	14.34
		For Installation With Adhesive, Deduct	*-13.46*	
		For Clear Anodized, Add	*9.70*	
		For Satin Face And Enameled Return, Add	*29.09*	
		For Patina Finish, Add	*38.78*	
		For Color Anodized, Add	*48.48*	
10 14 19 00-0012	EA	14" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	184.70	16.55
		For Installation With Adhesive, Deduct	*-15.86*	
		For Clear Anodized, Add	*11.85*	
		For Satin Face And Enameled Return, Add	*35.55*	
		For Patina Finish, Add	*47.40*	
		For Color Anodized, Add	*59.25*	
10 14 19 00-0013	EA	15" High x 1-1/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	202.87	18.39
		For Installation With Adhesive, Deduct	*-17.50*	
		For Clear Anodized, Add	*12.93*	
		For Satin Face And Enameled Return, Add	*38.78*	
		For Patina Finish, Add	*51.71*	
		For Color Anodized, Add	*64.64*	
10 14 19 00-0014	EA	16" High x 1-1/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	226.67	19.86
		For Installation With Adhesive, Deduct	*-19.28*	
		For Clear Anodized, Add	*14.72*	
		For Satin Face And Enameled Return, Add	*44.17*	
		For Patina Finish, Add	*58.89*	
		For Color Anodized, Add	*73.62*	
10 14 19 00-0015	EA	18" High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	275.00	22.06
		For Installation With Adhesive, Deduct	*-22.58*	
		For Clear Anodized, Add	*18.67*	
		For Satin Face And Enameled Return, Add	*56.02*	
		For Patina Finish, Add	*74.69*	
		For Color Anodized, Add	*93.37*	
10 14 19 00-0016	EA	20" High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	332.72	24.82
		For Installation With Adhesive, Deduct	*-26.57*	
		For Clear Anodized, Add	*23.34*	
		For Satin Face And Enameled Return, Add	*70.03*	
		For Patina Finish, Add	*93.37*	
		For Color Anodized, Add	*116.71*	
10 14 19 00-0017	EA	24" High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	401.20	27.58
		For Installation With Adhesive, Deduct	*-31.09*	
		For Clear Anodized, Add	*29.09*	
		For Satin Face And Enameled Return, Add	*87.26*	
		For Patina Finish, Add	*116.35*	
		For Color Anodized, Add	*145.44*	

10 14 19 00-0018 Satin Finish, Cast Bronze Characters *(10 14 19 00-0001)*

10 14 19 00-0019	EA	2" High x 3/8" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	61.58	7.59
		For Installation With Adhesive, Deduct	*-6.11*	
		For Oxidized Finish, Add	*4.69*	
		For Polished Or Patina Finish, Add	*9.37*	
10 14 19 00-0020	EA	3" High x 1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	88.14	8.27
		For Installation With Adhesive, Deduct	*-7.72*	
		For Oxidized Finish, Add	*8.26*	
		For Polished Or Patina Finish, Add	*16.51*	
10 14 19 00-0021	EA	4" High x 5/8" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	96.31	8.83
		For Installation With Adhesive, Deduct	*-8.35*	
		For Oxidized Finish, Add	*9.15*	
		For Polished Or Patina Finish, Add	*18.30*	
10 14 19 00-0022	EA	5" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	117.08	9.92
		For Installation With Adhesive, Deduct	*-9.83*	
		For Oxidized Finish, Add	*11.60*	
		For Polished Or Patina Finish, Add	*23.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0023	EA	6" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	130.25	10.59
		For Installation With Adhesive, Deduct	*-10.76*	
		For Oxidized Finish, Add	*13.17*	
		For Polished Or Patina Finish, Add	*26.33*	
10 14 19 00-0024	EA	8" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	173.52	12.14
		For Installation With Adhesive, Deduct	*-13.53*	
		For Oxidized Finish, Add	*18.75*	
		For Polished Or Patina Finish, Add	*37.49*	
10 14 19 00-0025	EA	9" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	198.03	12.69
		For Installation With Adhesive, Deduct	*-14.98*	
		For Oxidized Finish, Add	*22.09*	
		For Polished Or Patina Finish, Add	*44.18*	
10 14 19 00-0026	EA	10" High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	221.79	13.79
		For Installation With Adhesive, Deduct	*-16.61*	
		For Oxidized Finish, Add	*24.99*	
		For Polished Or Patina Finish, Add	*49.99*	
10 14 19 00-0027	EA	12" High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	263.34	15.99
		For Installation With Adhesive, Deduct	*-19.57*	
		For Oxidized Finish, Add	*29.90*	
		For Polished Or Patina Finish, Add	*59.81*	
10 14 19 00-0028	EA	14" High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	309.36	18.21
		For Installation With Adhesive, Deduct	*-22.75*	
		For Oxidized Finish, Add	*35.48*	
		For Polished Or Patina Finish, Add	*70.96*	
10 14 19 00-0029	EA	15" High x 1-1/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	366.47	22.06
		For Installation With Adhesive, Deduct	*-27.15*	
		For Oxidized Finish, Add	*41.73*	
		For Polished Or Patina Finish, Add	*83.46*	
10 14 19 00-0030	EA	16" High x 1-1/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	380.52	23.73
		For Installation With Adhesive, Deduct	*-28.51*	
		For Oxidized Finish, Add	*42.85*	
		For Polished Or Patina Finish, Add	*85.69*	
10 14 19 00-0031	EA	18" High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	540.27	27.58
		For Installation With Adhesive, Deduct	*-38.05*	
		For Oxidized Finish, Add	*64.49*	
		For Polished Or Patina Finish, Add	*128.98*	
10 14 19 00-0032	EA	20" High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	650.76	31.03
		For Installation With Adhesive, Deduct	*-44.95*	
		For Oxidized Finish, Add	*79.00*	
		For Polished Or Patina Finish, Add	*157.99*	
10 14 19 00-0033	EA	24" High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	827.77	35.85
		For Installation With Adhesive, Deduct	*-55.73*	
		For Oxidized Finish, Add	*102.65*	
		For Polished Or Patina Finish, Add	*205.30*	

10 14 19 00-0034 Molded Characters *(10 14 19)*
Note: Any font.

10 14 19 00-0035 Molded Plastic Characters *(10 14 19 00-0034)*

10 14 19 00-0036	EA	4" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	38.23	5.52
		For Installation With Adhesive, Deduct	*-4.12*	
10 14 19 00-0037	EA	5" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	41.43	6.07
		For Installation With Adhesive, Deduct	*-4.50*	
10 14 19 00-0038	EA	6" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	45.74	6.62
		For Installation With Adhesive, Deduct	*-4.94*	
10 14 19 00-0039	EA	8" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	58.28	7.17
		For Installation With Adhesive, Deduct	*-5.78*	
10 14 19 00-0040	EA	9" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	62.97	7.72
		For Installation With Adhesive, Deduct	*-6.24*	
10 14 19 00-0041	EA	10" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	68.18	8.27
		For Installation With Adhesive, Deduct	*-6.72*	
10 14 19 00-0042	EA	12" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	79.46	9.65
		For Installation With Adhesive, Deduct	*-7.83*	
10 14 19 00-0043	EA	15" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	104.58	12.14
		For Installation With Adhesive, Deduct	*-10.08*	
10 14 19 00-0044	EA	18" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	132.91	14.34
		For Installation With Adhesive, Deduct	*-12.38*	
10 14 19 00-0045	EA	24" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	195.95	17.66
		For Installation With Adhesive, Deduct	*-16.86*	
10 14 19 00-0046	EA	30" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	289.71	20.69
		For Installation With Adhesive, Deduct	*-22.76*	
10 14 19 00-0047	EA	36" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	379.53	23.73
		For Installation With Adhesive, Deduct	*-28.46*	
10 14 19 00-0048	EA	48" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	706.97	31.72
		For Installation With Adhesive, Deduct	*-48.04*	

10 14 19 00-0049 Cutout Characters *(10 14 19)*
Note: Any font.

10 14 19 00-0050 Satin Finish, Aluminum Characters *(10 14 19 00-0049)*

10 14 19 00-0051 1/4" Deep, Satin Finish, Aluminum Characters *(10 14 19 00-0050)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0052	EA	2" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	47.33	6.90
		For Installation With Adhesive, Deduct	*-5.12*	
		For Clear Anodized, Add	*1.98*	
		For Satin Face And Enameled Return, Add	*6.91*	
		For Color Anodized, Add	*9.88*	
		For Polished Or Patina Finish, Add	*9.88*	
		For Polished Anodized Finish, Add	*14.81*	
10 14 19 00-0053	EA	4" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	66.11	8.00
		For Installation With Adhesive, Deduct	*-6.51*	
		For Clear Anodized, Add	*3.41*	
		For Satin Face And Enameled Return, Add	*11.94*	
		For Color Anodized, Add	*17.06*	
		For Polished Or Patina Finish, Add	*17.06*	
		For Polished Anodized Finish, Add	*25.58*	
10 14 19 00-0054	EA	6" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	88.88	9.65
		For Installation With Adhesive, Deduct	*-8.31*	
		For Clear Anodized, Add	*5.03*	
		For Satin Face And Enameled Return, Add	*17.59*	
		For Color Anodized, Add	*25.14*	
		For Polished Or Patina Finish, Add	*25.14*	
		For Polished Anodized Finish, Add	*37.70*	
10 14 19 00-0055	EA	8" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	108.77	11.03
		For Installation With Adhesive, Deduct	*-9.85*	
		For Clear Anodized, Add	*6.46*	
		For Satin Face And Enameled Return, Add	*22.62*	
		For Color Anodized, Add	*32.32*	
		For Polished Or Patina Finish, Add	*32.32*	
		For Polished Anodized Finish, Add	*48.48*	
10 14 19 00-0056	EA	10" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	125.05	12.41
		For Installation With Adhesive, Deduct	*-11.22*	
		For Clear Anodized, Add	*7.54*	
		For Satin Face And Enameled Return, Add	*26.39*	
		For Color Anodized, Add	*37.71*	
		For Polished Or Patina Finish, Add	*37.71*	
		For Polished Anodized Finish, Add	*56.56*	
10 14 19 00-0057	EA	12" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	143.56	14.34
		For Installation With Adhesive, Deduct	*-12.92*	
		For Clear Anodized, Add	*8.62*	
		For Satin Face And Enameled Return, Add	*30.16*	
		For Color Anodized, Add	*43.09*	
		For Polished Or Patina Finish, Add	*43.09*	
		For Polished Anodized Finish, Add	*64.64*	
10 14 19 00-0058	EA	14" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	168.54	16.55
		For Installation With Adhesive, Deduct	*-15.05*	
		For Clear Anodized, Add	*10.23*	
		For Satin Face And Enameled Return, Add	*35.82*	
		For Color Anodized, Add	*51.17*	
		For Polished Or Patina Finish, Add	*51.17*	
		For Polished Anodized Finish, Add	*76.76*	
10 14 19 00-0059	EA	16" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	199.74	19.86
		For Installation With Adhesive, Deduct	*-17.93*	
		For Clear Anodized, Add	*12.03*	
		For Satin Face And Enameled Return, Add	*42.11*	
		For Color Anodized, Add	*60.15*	
		For Polished Or Patina Finish, Add	*60.15*	
		For Polished Anodized Finish, Add	*90.23*	
10 14 19 00-0060	EA	18" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	224.73	22.06
		For Installation With Adhesive, Deduct	*-20.06*	
		For Clear Anodized, Add	*13.65*	
		For Satin Face And Enameled Return, Add	*47.76*	
		For Color Anodized, Add	*68.23*	
		For Polished Or Patina Finish, Add	*68.23*	
		For Polished Anodized Finish, Add	*102.35*	
10 14 19 00-0061	EA	20" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	269.87	24.82
		For Installation With Adhesive, Deduct	*-23.42*	
		For Clear Anodized, Add	*17.06*	
		For Satin Face And Enameled Return, Add	*59.70*	
		For Color Anodized, Add	*85.29*	
		For Polished Or Patina Finish, Add	*85.29*	
		For Polished Anodized Finish, Add	*127.93*	
10 14 19 00-0062	EA	22" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	309.51	26.20
		For Installation With Adhesive, Deduct	*-25.96*	
		For Clear Anodized, Add	*20.47*	
		For Satin Face And Enameled Return, Add	*71.64*	
		For Color Anodized, Add	*102.35*	
		For Polished Or Patina Finish, Add	*102.35*	
		For Polished Anodized Finish, Add	*153.52*	
10 14 19 00-0063	EA	24" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	383.25	27.58
		For Installation With Adhesive, Deduct	*-30.20*	
		For Clear Anodized, Add	*27.29*	
		For Satin Face And Enameled Return, Add	*95.52*	
		For Color Anodized, Add	*136.46*	
		For Polished Or Patina Finish, Add	*136.46*	
		For Polished Anodized Finish, Add	*204.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0064	EA	30" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	548.36	33.10
		For Installation With Adhesive, Deduct	*-40.66*	
		For Clear Anodized, Add	*41.60*	
		For Satin Face And Enameled Return, Add	*145.59*	
		For Color Anodized, Add	*207.98*	
		For Polished Or Patina Finish, Add	*207.98*	
		For Polished Anodized Finish, Add	*311.97*	

10 14 19 00-0065 3/8" Deep, Satin Finish, Aluminum Characters *(10 14 19 00-0050)*

10 14 19 00-0066	EA	2" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	59.97	6.90
		For Installation With Adhesive, Deduct	*-5.76*	
		For Clear Anodized, Add	*3.24*	
		For Satin Face And Enameled Return, Add	*11.34*	
		For Color Anodized, Add	*16.20*	
		For Polished Or Patina Finish, Add	*16.20*	
		For Polished Anodized Finish, Add	*24.29*	
10 14 19 00-0067	EA	4" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	85.90	8.00
		For Installation With Adhesive, Deduct	*-7.50*	
		For Clear Anodized, Add	*5.39*	
		For Satin Face And Enameled Return, Add	*18.87*	
		For Color Anodized, Add	*26.95*	
		For Polished Or Patina Finish, Add	*26.95*	
		For Polished Anodized Finish, Add	*40.43*	
10 14 19 00-0068	EA	6" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	108.49	9.65
		For Installation With Adhesive, Deduct	*-9.29*	
		For Clear Anodized, Add	*6.99*	
		For Satin Face And Enameled Return, Add	*24.46*	
		For Color Anodized, Add	*34.94*	
		For Polished Or Patina Finish, Add	*34.94*	
		For Polished Anodized Finish, Add	*52.41*	
10 14 19 00-0069	EA	8" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	135.92	11.03
		For Installation With Adhesive, Deduct	*-11.21*	
		For Clear Anodized, Add	*9.18*	
		For Satin Face And Enameled Return, Add	*32.13*	
		For Color Anodized, Add	*45.90*	
		For Polished Or Patina Finish, Add	*45.90*	
		For Polished Anodized Finish, Add	*68.84*	
10 14 19 00-0070	EA	10" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	157.48	12.41
		For Installation With Adhesive, Deduct	*-12.84*	
		For Clear Anodized, Add	*10.78*	
		For Satin Face And Enameled Return, Add	*37.74*	
		For Color Anodized, Add	*53.92*	
		For Polished Or Patina Finish, Add	*53.92*	
		For Polished Anodized Finish, Add	*80.88*	
10 14 19 00-0071	EA	12" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	184.93	14.34
		For Installation With Adhesive, Deduct	*-14.98*	
		For Clear Anodized, Add	*12.76*	
		For Satin Face And Enameled Return, Add	*44.64*	
		For Color Anodized, Add	*63.78*	
		For Polished Or Patina Finish, Add	*63.78*	
		For Polished Anodized Finish, Add	*95.66*	
10 14 19 00-0072	EA	14" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	216.64	16.55
		For Installation With Adhesive, Deduct	*-17.45*	
		For Clear Anodized, Add	*15.04*	
		For Satin Face And Enameled Return, Add	*52.65*	
		For Color Anodized, Add	*75.22*	
		For Polished Or Patina Finish, Add	*75.22*	
		For Polished Anodized Finish, Add	*112.83*	
10 14 19 00-0073	EA	16" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	268.31	19.86
		For Installation With Adhesive, Deduct	*-21.36*	
		For Clear Anodized, Add	*18.89*	
		For Satin Face And Enameled Return, Add	*66.10*	
		For Color Anodized, Add	*94.44*	
		For Polished Or Patina Finish, Add	*94.44*	
		For Polished Anodized Finish, Add	*141.65*	
10 14 19 00-0074	EA	18" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	310.70	22.06
		For Installation With Adhesive, Deduct	*-24.36*	
		For Clear Anodized, Add	*22.24*	
		For Satin Face And Enameled Return, Add	*77.85*	
		For Color Anodized, Add	*111.22*	
		For Polished Or Patina Finish, Add	*111.22*	
		For Polished Anodized Finish, Add	*166.82*	
10 14 19 00-0075	EA	20" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	360.28	24.82
		For Installation With Adhesive, Deduct	*-27.94*	
		For Clear Anodized, Add	*26.10*	
		For Satin Face And Enameled Return, Add	*91.34*	
		For Color Anodized, Add	*130.49*	
		For Polished Or Patina Finish, Add	*130.49*	
		For Polished Anodized Finish, Add	*195.74*	
10 14 19 00-0076	EA	22" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	403.66	26.20
		For Installation With Adhesive, Deduct	*-30.67*	
		For Clear Anodized, Add	*29.88*	
		For Satin Face And Enameled Return, Add	*104.59*	
		For Color Anodized, Add	*149.42*	
		For Polished Or Patina Finish, Add	*149.42*	
		For Polished Anodized Finish, Add	*224.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0077	EA	24" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	448.75	27.58
		For Installation With Adhesive, Deduct	*-33.47*	
		For Clear Anodized, Add	*33.84*	
		For Satin Face And Enameled Return, Add	*118.45*	
		For Color Anodized, Add	*169.21*	
		For Polished Or Patina Finish, Add	*169.21*	
		For Polished Anodized Finish, Add	*253.82*	
10 14 19 00-0078	EA	30" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	617.18	33.10
		For Installation With Adhesive, Deduct	*-44.10*	
		For Clear Anodized, Add	*48.48*	
		For Satin Face And Enameled Return, Add	*169.67*	
		For Color Anodized, Add	*242.39*	
		For Polished Or Patina Finish, Add	*242.39*	
		For Polished Anodized Finish, Add	*363.59*	

10 14 19 00-0079 1/2" Deep, Satin Finish, Aluminum Characters *(10 14 19 00-0050)*

10 14 19 00-0080	EA	2" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	74.59	6.90
		For Installation With Adhesive, Deduct	*-6.49*	
		For Clear Anodized, Add	*4.70*	
		For Satin Face And Enameled Return, Add	*16.45*	
		For Color Anodized, Add	*23.51*	
		For Polished Or Patina Finish, Add	*23.51*	
		For Polished Anodized Finish, Add	*35.26*	
10 14 19 00-0081	EA	4" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	96.48	8.00
		For Installation With Adhesive, Deduct	*-8.02*	
		For Clear Anodized, Add	*6.45*	
		For Satin Face And Enameled Return, Add	*22.57*	
		For Color Anodized, Add	*32.24*	
		For Polished Or Patina Finish, Add	*32.24*	
		For Polished Anodized Finish, Add	*48.36*	
10 14 19 00-0082	EA	6" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	121.06	9.65
		For Installation With Adhesive, Deduct	*-9.91*	
		For Clear Anodized, Add	*8.25*	
		For Satin Face And Enameled Return, Add	*28.86*	
		For Color Anodized, Add	*41.23*	
		For Polished Or Patina Finish, Add	*41.23*	
		For Polished Anodized Finish, Add	*61.84*	
10 14 19 00-0083	EA	8" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	143.03	11.03
		For Installation With Adhesive, Deduct	*-11.56*	
		For Clear Anodized, Add	*9.89*	
		For Satin Face And Enameled Return, Add	*34.62*	
		For Color Anodized, Add	*49.45*	
		For Polished Or Patina Finish, Add	*49.45*	
		For Polished Anodized Finish, Add	*74.18*	
10 14 19 00-0084	EA	10" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	166.53	12.41
		For Installation With Adhesive, Deduct	*-13.29*	
		For Clear Anodized, Add	*11.69*	
		For Satin Face And Enameled Return, Add	*40.91*	
		For Color Anodized, Add	*58.45*	
		For Polished Or Patina Finish, Add	*58.45*	
		For Polished Anodized Finish, Add	*87.67*	
10 14 19 00-0085	EA	12" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	204.75	14.34
		For Installation With Adhesive, Deduct	*-15.98*	
		For Clear Anodized, Add	*14.74*	
		For Satin Face And Enameled Return, Add	*51.58*	
		For Color Anodized, Add	*73.69*	
		For Polished Or Patina Finish, Add	*73.69*	
		For Polished Anodized Finish, Add	*110.53*	
10 14 19 00-0086	EA	14" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	252.47	16.55
		For Installation With Adhesive, Deduct	*-19.24*	
		For Clear Anodized, Add	*18.63*	
		For Satin Face And Enameled Return, Add	*65.19*	
		For Color Anodized, Add	*93.14*	
		For Polished Or Patina Finish, Add	*93.14*	
		For Polished Anodized Finish, Add	*139.70*	
10 14 19 00-0087	EA	16" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	305.60	19.86
		For Installation With Adhesive, Deduct	*-23.22*	
		For Clear Anodized, Add	*22.62*	
		For Satin Face And Enameled Return, Add	*79.16*	
		For Color Anodized, Add	*113.08*	
		For Polished Or Patina Finish, Add	*113.08*	
		For Polished Anodized Finish, Add	*169.62*	
10 14 19 00-0088	EA	18" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	370.74	22.06
		For Installation With Adhesive, Deduct	*-27.36*	
		For Clear Anodized, Add	*28.25*	
		For Satin Face And Enameled Return, Add	*98.86*	
		For Color Anodized, Add	*141.24*	
		For Polished Or Patina Finish, Add	*141.24*	
		For Polished Anodized Finish, Add	*211.85*	
10 14 19 00-0089	EA	20" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	437.03	24.82
		For Installation With Adhesive, Deduct	*-31.78*	
		For Clear Anodized, Add	*33.77*	
		For Satin Face And Enameled Return, Add	*118.21*	
		For Color Anodized, Add	*168.87*	
		For Polished Or Patina Finish, Add	*168.87*	
		For Polished Anodized Finish, Add	*253.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0090	EA	22" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	501.91	26.20
		For Installation With Adhesive, Deduct	*-35.58*	
		For Clear Anodized, Add	*39.71*	
		For Satin Face And Enameled Return, Add	*138.98*	
		For Color Anodized, Add	*198.55*	
		For Polished Or Patina Finish, Add	*198.55*	
		For Polished Anodized Finish, Add	*297.82*	
10 14 19 00-0091	EA	24" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	563.37	27.58
		For Installation With Adhesive, Deduct	*-39.20*	
		For Clear Anodized, Add	*45.30*	
		For Satin Face And Enameled Return, Add	*158.56*	
		For Color Anodized, Add	*226.52*	
		For Polished Or Patina Finish, Add	*226.52*	
		For Polished Anodized Finish, Add	*339.78*	
10 14 19 00-0092	EA	30" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	782.01	33.10
		For Installation With Adhesive, Deduct	*-52.34*	
		For Clear Anodized, Add	*64.96*	
		For Satin Face And Enameled Return, Add	*227.36*	
		For Color Anodized, Add	*324.81*	
		For Polished Or Patina Finish, Add	*324.81*	
		For Polished Anodized Finish, Add	*487.21*	

10 14 19 00-0093 3/4" Deep, Satin Finish, Aluminum Characters *(10 14 19 00-0050)*

10 14 19 00-0094	EA	2" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	77.94	6.90
		For Installation With Adhesive, Deduct	*-6.66*	
		For Clear Anodized, Add	*5.04*	
		For Satin Face And Enameled Return, Add	*17.63*	
		For Color Anodized, Add	*25.18*	
		For Polished Or Patina Finish, Add	*25.18*	
		For Polished Anodized Finish, Add	*37.77*	
10 14 19 00-0095	EA	4" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	100.23	8.00
		For Installation With Adhesive, Deduct	*-8.21*	
		For Clear Anodized, Add	*6.82*	
		For Satin Face And Enameled Return, Add	*23.88*	
		For Color Anodized, Add	*34.12*	
		For Polished Or Patina Finish, Add	*34.12*	
		For Polished Anodized Finish, Add	*51.17*	
10 14 19 00-0096	EA	6" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	132.12	9.65
		For Installation With Adhesive, Deduct	*-10.47*	
		For Clear Anodized, Add	*9.35*	
		For Satin Face And Enameled Return, Add	*32.73*	
		For Color Anodized, Add	*46.76*	
		For Polished Or Patina Finish, Add	*46.76*	
		For Polished Anodized Finish, Add	*70.13*	
10 14 19 00-0097	EA	8" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	175.35	11.03
		For Installation With Adhesive, Deduct	*-13.18*	
		For Clear Anodized, Add	*13.12*	
		For Satin Face And Enameled Return, Add	*45.93*	
		For Color Anodized, Add	*65.61*	
		For Polished Or Patina Finish, Add	*65.61*	
		For Polished Anodized Finish, Add	*98.42*	
10 14 19 00-0098	EA	10" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	220.07	12.41
		For Installation With Adhesive, Deduct	*-15.97*	
		For Clear Anodized, Add	*17.04*	
		For Satin Face And Enameled Return, Add	*59.65*	
		For Color Anodized, Add	*85.22*	
		For Polished Or Patina Finish, Add	*85.22*	
		For Polished Anodized Finish, Add	*127.82*	
10 14 19 00-0099	EA	12" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	276.29	14.34
		For Installation With Adhesive, Deduct	*-19.55*	
		For Clear Anodized, Add	*21.89*	
		For Satin Face And Enameled Return, Add	*76.62*	
		For Color Anodized, Add	*109.46*	
		For Polished Or Patina Finish, Add	*109.46*	
		For Polished Anodized Finish, Add	*164.18*	
10 14 19 00-0100	EA	14" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	344.57	16.55
		For Installation With Adhesive, Deduct	*-23.85*	
		For Clear Anodized, Add	*27.84*	
		For Satin Face And Enameled Return, Add	*97.43*	
		For Color Anodized, Add	*139.19*	
		For Polished Or Patina Finish, Add	*139.19*	
		For Polished Anodized Finish, Add	*208.78*	
10 14 19 00-0101	EA	16" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	425.90	19.86
		For Installation With Adhesive, Deduct	*-29.24*	
		For Clear Anodized, Add	*34.65*	
		For Satin Face And Enameled Return, Add	*121.26*	
		For Color Anodized, Add	*173.23*	
		For Polished Or Patina Finish, Add	*173.23*	
		For Polished Anodized Finish, Add	*259.85*	
10 14 19 00-0102	EA	18" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	520.84	22.06
		For Installation With Adhesive, Deduct	*-34.87*	
		For Clear Anodized, Add	*43.26*	
		For Satin Face And Enameled Return, Add	*151.40*	
		For Color Anodized, Add	*216.29*	
		For Polished Or Patina Finish, Add	*216.29*	
		For Polished Anodized Finish, Add	*324.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0103	EA	20" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	619.55	24.82
		For Installation With Adhesive, Deduct	*-40.91*	
		For Clear Anodized, Add	*52.03*	
		For Satin Face And Enameled Return, Add	*182.09*	
		For Color Anodized, Add	*260.13*	
		For Polished Or Patina Finish, Add	*260.13*	
		For Polished Anodized Finish, Add	*390.19*	
10 14 19 00-0104	EA	22" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	718.88	26.20
		For Installation With Adhesive, Deduct	*-46.43*	
		For Clear Anodized, Add	*61.41*	
		For Satin Face And Enameled Return, Add	*214.92*	
		For Color Anodized, Add	*307.03*	
		For Polished Or Patina Finish, Add	*307.03*	
		For Polished Anodized Finish, Add	*460.55*	
10 14 19 00-0105	EA	24" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	822.64	27.58
		For Installation With Adhesive, Deduct	*-52.17*	
		For Clear Anodized, Add	*71.23*	
		For Satin Face And Enameled Return, Add	*249.31*	
		For Color Anodized, Add	*356.16*	
		For Polished Or Patina Finish, Add	*356.16*	
		For Polished Anodized Finish, Add	*534.23*	
10 14 19 00-0106	EA	30" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	1,131.06	33.10
		For Installation With Adhesive, Deduct	*-69.79*	
		For Clear Anodized, Add	*99.87*	
		For Satin Face And Enameled Return, Add	*349.53*	
		For Color Anodized, Add	*499.33*	
		For Polished Or Patina Finish, Add	*499.33*	
		For Polished Anodized Finish, Add	*749.00*	

10 14 19 00-0107 1" Deep, Satin Finish, Aluminum Characters *(10 14 19 00-0050)*

10 14 19 00-0108	EA	2" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	86.83	6.90
		For Installation With Adhesive, Deduct	*-7.10*	
		For Clear Anodized, Add	*5.93*	
		For Satin Face And Enameled Return, Add	*20.74*	
		For Color Anodized, Add	*29.63*	
		For Polished Or Patina Finish, Add	*29.63*	
		For Polished Anodized Finish, Add	*44.44*	
10 14 19 00-0109	EA	4" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	107.39	8.00
		For Installation With Adhesive, Deduct	*-8.57*	
		For Clear Anodized, Add	*7.54*	
		For Satin Face And Enameled Return, Add	*26.39*	
		For Color Anodized, Add	*37.70*	
		For Polished Or Patina Finish, Add	*37.70*	
		For Polished Anodized Finish, Add	*56.54*	
10 14 19 00-0110	EA	6" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	141.17	9.65
		For Installation With Adhesive, Deduct	*-10.92*	
		For Clear Anodized, Add	*10.26*	
		For Satin Face And Enameled Return, Add	*35.90*	
		For Color Anodized, Add	*51.28*	
		For Polished Or Patina Finish, Add	*51.28*	
		For Polished Anodized Finish, Add	*76.92*	
10 14 19 00-0111	EA	8" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	193.44	11.03
		For Installation With Adhesive, Deduct	*-14.09*	
		For Clear Anodized, Add	*14.93*	
		For Satin Face And Enameled Return, Add	*52.26*	
		For Color Anodized, Add	*74.66*	
		For Polished Or Patina Finish, Add	*74.66*	
		For Polished Anodized Finish, Add	*111.98*	
10 14 19 00-0112	EA	10" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	263.05	12.41
		For Installation With Adhesive, Deduct	*-18.12*	
		For Clear Anodized, Add	*21.34*	
		For Satin Face And Enameled Return, Add	*74.69*	
		For Color Anodized, Add	*106.71*	
		For Polished Or Patina Finish, Add	*106.71*	
		For Polished Anodized Finish, Add	*160.06*	
10 14 19 00-0113	EA	12" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	344.37	14.34
		For Installation With Adhesive, Deduct	*-22.96*	
		For Clear Anodized, Add	*28.70*	
		For Satin Face And Enameled Return, Add	*100.45*	
		For Color Anodized, Add	*143.50*	
		For Polished Or Patina Finish, Add	*143.50*	
		For Polished Anodized Finish, Add	*215.24*	
10 14 19 00-0114	EA	14" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	435.66	16.55
		For Installation With Adhesive, Deduct	*-28.40*	
		For Clear Anodized, Add	*36.95*	
		For Satin Face And Enameled Return, Add	*129.31*	
		For Color Anodized, Add	*184.73*	
		For Polished Or Patina Finish, Add	*184.73*	
		For Polished Anodized Finish, Add	*277.10*	
10 14 19 00-0115	EA	16" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	541.39	19.86
		For Installation With Adhesive, Deduct	*-35.01*	
		For Clear Anodized, Add	*46.20*	
		For Satin Face And Enameled Return, Add	*161.68*	
		For Color Anodized, Add	*230.98*	
		For Polished Or Patina Finish, Add	*230.98*	
		For Polished Anodized Finish, Add	*346.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0116	EA	18" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	655.94	22.06
		For Installation With Adhesive, Deduct	*-41.62*	
		For Clear Anodized, Add	*56.77*	
		For Satin Face And Enameled Return, Add	*198.68*	
		For Color Anodized, Add	*283.84*	
		For Polished Or Patina Finish, Add	*283.84*	
		For Polished Anodized Finish, Add	*425.75*	
10 14 19 00-0117	EA	20" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	807.18	24.82
		For Installation With Adhesive, Deduct	*-50.29*	
		For Clear Anodized, Add	*70.79*	
		For Satin Face And Enameled Return, Add	*247.76*	
		For Color Anodized, Add	*353.94*	
		For Polished Or Patina Finish, Add	*353.94*	
		For Polished Anodized Finish, Add	*530.91*	
10 14 19 00-0118	EA	22" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	962.46	26.20
		For Installation With Adhesive, Deduct	*-58.61*	
		For Clear Anodized, Add	*85.76*	
		For Satin Face And Enameled Return, Add	*300.17*	
		For Color Anodized, Add	*428.82*	
		For Polished Or Patina Finish, Add	*428.82*	
		For Polished Anodized Finish, Add	*643.23*	
10 14 19 00-0119	EA	24" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	1,136.49	27.58
		For Installation With Adhesive, Deduct	*-67.86*	
		For Clear Anodized, Add	*102.62*	
		For Satin Face And Enameled Return, Add	*359.16*	
		For Color Anodized, Add	*513.08*	
		For Polished Or Patina Finish, Add	*513.08*	
		For Polished Anodized Finish, Add	*769.62*	
10 14 19 00-0120	EA	30" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	1,606.15	33.10
		For Installation With Adhesive, Deduct	*-93.55*	
		For Clear Anodized, Add	*147.38*	
		For Satin Face And Enameled Return, Add	*515.81*	
		For Color Anodized, Add	*736.88*	
		For Polished Or Patina Finish, Add	*736.88*	
		For Polished Anodized Finish, Add	*1,105.31*	

10 14 19 00-0121 Satin Finish, Brass Characters *(10 14 19 00-0049)*

10 14 19 00-0122 1/4" Deep, Satin Finish, Brass Characters *(10 14 19 00-0121)*

10 14 19 00-0123	EA	2" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	64.03	6.90
		For Installation With Adhesive, Deduct	*-5.96*	
		For Oxidized Finish, Add	*5.47*	
		For Polished Finish, Add	*10.94*	
10 14 19 00-0124	EA	4" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	82.73	8.00
		For Installation With Adhesive, Deduct	*-7.34*	
		For Oxidized Finish, Add	*7.61*	
		For Polished Finish, Add	*15.22*	
10 14 19 00-0125	EA	6" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	114.12	9.65
		For Installation With Adhesive, Deduct	*-9.57*	
		For Oxidized Finish, Add	*11.33*	
		For Polished Finish, Add	*22.65*	
10 14 19 00-0126	EA	8" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	149.59	11.03
		For Installation With Adhesive, Deduct	*-11.89*	
		For Oxidized Finish, Add	*15.82*	
		For Polished Finish, Add	*31.64*	
10 14 19 00-0127	EA	10" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	191.55	12.41
		For Installation With Adhesive, Deduct	*-14.54*	
		For Oxidized Finish, Add	*21.29*	
		For Polished Finish, Add	*42.57*	
10 14 19 00-0128	EA	12" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	242.26	14.34
		For Installation With Adhesive, Deduct	*-17.85*	
		For Oxidized Finish, Add	*27.73*	
		For Polished Finish, Add	*55.46*	
10 14 19 00-0129	EA	14" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	303.15	16.55
		For Installation With Adhesive, Deduct	*-21.78*	
		For Oxidized Finish, Add	*35.54*	
		For Polished Finish, Add	*71.09*	
10 14 19 00-0130	EA	16" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	369.77	19.86
		For Installation With Adhesive, Deduct	*-26.43*	
		For Oxidized Finish, Add	*43.55*	
		For Polished Finish, Add	*87.10*	
10 14 19 00-0131	EA	18" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	449.09	22.06
		For Installation With Adhesive, Deduct	*-31.28*	
		For Oxidized Finish, Add	*54.12*	
		For Polished Finish, Add	*108.25*	
10 14 19 00-0132	EA	20" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	534.15	24.82
		For Installation With Adhesive, Deduct	*-36.64*	
		For Oxidized Finish, Add	*65.23*	
		For Polished Finish, Add	*130.46*	
10 14 19 00-0133	EA	22" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	656.84	26.20
		For Installation With Adhesive, Deduct	*-43.32*	
		For Oxidized Finish, Add	*82.80*	
		For Polished Finish, Add	*165.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0134	EA	24" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	720.38	27.58
		For Installation With Adhesive, Deduct	*-47.05*	
		For Oxidized Finish, Add	*91.51*	
		For Polished Finish, Add	*183.02*	
10 14 19 00-0135	EA	30" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,083.62	33.10
		For Installation With Adhesive, Deduct	*-67.42*	
		For Oxidized Finish, Add	*142.68*	
		For Polished Finish, Add	*285.37*	

10 14 19 00-0136 3/8" Deep, Satin Finish, Brass Characters *(10 14 19 00-0121)*

10 14 19 00-0137	EA	2" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	76.79	6.90
		For Installation With Adhesive, Deduct	*-6.60*	
		For Oxidized Finish, Add	*7.38*	
		For Polished Finish, Add	*14.76*	
10 14 19 00-0138	EA	4" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	100.48	8.00
		For Installation With Adhesive, Deduct	*-8.22*	
		For Oxidized Finish, Add	*10.27*	
		For Polished Finish, Add	*20.54*	
10 14 19 00-0139	EA	6" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	144.33	9.65
		For Installation With Adhesive, Deduct	*-11.08*	
		For Oxidized Finish, Add	*15.86*	
		For Polished Finish, Add	*31.72*	
10 14 19 00-0140	EA	8" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	191.77	11.03
		For Installation With Adhesive, Deduct	*-14.00*	
		For Oxidized Finish, Add	*22.15*	
		For Polished Finish, Add	*44.29*	
10 14 19 00-0141	EA	10" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	255.41	12.41
		For Installation With Adhesive, Deduct	*-17.73*	
		For Oxidized Finish, Add	*30.87*	
		For Polished Finish, Add	*61.73*	
10 14 19 00-0142	EA	12" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	325.45	14.34
		For Installation With Adhesive, Deduct	*-22.01*	
		For Oxidized Finish, Add	*40.21*	
		For Polished Finish, Add	*80.42*	
10 14 19 00-0143	EA	14" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	409.78	16.55
		For Installation With Adhesive, Deduct	*-27.11*	
		For Oxidized Finish, Add	*51.54*	
		For Polished Finish, Add	*103.07*	
10 14 19 00-0144	EA	16" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	485.91	19.86
		For Installation With Adhesive, Deduct	*-32.24*	
		For Oxidized Finish, Add	*60.97*	
		For Polished Finish, Add	*121.94*	
10 14 19 00-0145	EA	18" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	611.46	22.06
		For Installation With Adhesive, Deduct	*-39.40*	
		For Oxidized Finish, Add	*78.48*	
		For Polished Finish, Add	*156.96*	
10 14 19 00-0146	EA	20" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	708.09	24.82
		For Installation With Adhesive, Deduct	*-45.33*	
		For Oxidized Finish, Add	*91.32*	
		For Polished Finish, Add	*182.64*	
10 14 19 00-0147	EA	22" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	872.13	26.20
		For Installation With Adhesive, Deduct	*-54.09*	
		For Oxidized Finish, Add	*115.10*	
		For Polished Finish, Add	*230.19*	
10 14 19 00-0148	EA	24" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	994.91	27.58
		For Installation With Adhesive, Deduct	*-60.78*	
		For Oxidized Finish, Add	*132.69*	
		For Polished Finish, Add	*265.37*	
10 14 19 00-0149	EA	30" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,378.50	33.10
		For Installation With Adhesive, Deduct	*-82.17*	
		For Oxidized Finish, Add	*186.92*	
		For Polished Finish, Add	*373.83*	

10 14 19 00-0150 1/2" Deep, Satin Finish, Brass Characters *(10 14 19 00-0121)*

10 14 19 00-0151	EA	2" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	96.84	6.90
		For Installation With Adhesive, Deduct	*-7.60*	
		For Oxidized Finish, Add	*10.39*	
		For Polished Finish, Add	*20.78*	
10 14 19 00-0152	EA	4" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	125.84	8.00
		For Installation With Adhesive, Deduct	*-9.49*	
		For Oxidized Finish, Add	*14.08*	
		For Polished Finish, Add	*28.15*	
10 14 19 00-0153	EA	6" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	182.08	9.65
		For Installation With Adhesive, Deduct	*-12.97*	
		For Oxidized Finish, Add	*21.52*	
		For Polished Finish, Add	*43.04*	
10 14 19 00-0154	EA	8" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	249.77	11.03
		For Installation With Adhesive, Deduct	*-16.90*	
		For Oxidized Finish, Add	*30.85*	
		For Polished Finish, Add	*61.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0155	EA	10" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	347.65	12.41
		For Installation With Adhesive, Deduct	*-22.35*	
		For Oxidized Finish, Add	*44.70*	
		For Polished Finish, Add	*89.40*	
10 14 19 00-0156	EA	12" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	464.11	14.34
		For Installation With Adhesive, Deduct	*-28.94*	
		For Oxidized Finish, Add	*61.01*	
		For Polished Finish, Add	*122.02*	
10 14 19 00-0157	EA	14" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	575.65	16.55
		For Installation With Adhesive, Deduct	*-35.40*	
		For Oxidized Finish, Add	*76.42*	
		For Polished Finish, Add	*152.84*	
10 14 19 00-0158	EA	16" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	686.24	19.86
		For Installation With Adhesive, Deduct	*-42.26*	
		For Oxidized Finish, Add	*91.02*	
		For Polished Finish, Add	*182.04*	
10 14 19 00-0159	EA	18" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	936.21	22.06
		For Installation With Adhesive, Deduct	*-55.64*	
		For Oxidized Finish, Add	*127.19*	
		For Polished Finish, Add	*254.38*	
10 14 19 00-0160	EA	20" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,055.97	24.82
		For Installation With Adhesive, Deduct	*-62.73*	
		For Oxidized Finish, Add	*143.50*	
		For Polished Finish, Add	*287.00*	
10 14 19 00-0161	EA	22" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,319.27	26.20
		For Installation With Adhesive, Deduct	*-76.45*	
		For Oxidized Finish, Add	*182.17*	
		For Polished Finish, Add	*364.34*	
10 14 19 00-0162	EA	24" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,543.95	27.58
		For Installation With Adhesive, Deduct	*-88.23*	
		For Oxidized Finish, Add	*215.04*	
		For Polished Finish, Add	*430.09*	
10 14 19 00-0163	EA	30" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	2,329.73	33.10
		For Installation With Adhesive, Deduct	*-129.73*	
		For Oxidized Finish, Add	*329.60*	
		For Polished Finish, Add	*659.20*	
10 14 19 00-0164		**3/4" Deep, Satin Finish, Brass Characters** *(10 14 19 00-0121)*		
10 14 19 00-0165	EA	2" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	118.72	6.90
		For Installation With Adhesive, Deduct	*-8.69*	
		For Oxidized Finish, Add	*13.67*	
		For Polished Finish, Add	*27.34*	
10 14 19 00-0166	EA	4" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	166.42	8.00
		For Installation With Adhesive, Deduct	*-11.52*	
		For Oxidized Finish, Add	*20.16*	
		For Polished Finish, Add	*40.33*	
10 14 19 00-0167	EA	6" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	227.39	9.65
		For Installation With Adhesive, Deduct	*-15.23*	
		For Oxidized Finish, Add	*28.32*	
		For Polished Finish, Add	*56.63*	
10 14 19 00-0168	EA	8" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	307.77	11.03
		For Installation With Adhesive, Deduct	*-19.80*	
		For Oxidized Finish, Add	*39.55*	
		For Polished Finish, Add	*79.09*	
10 14 19 00-0169	EA	10" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	418.61	12.41
		For Installation With Adhesive, Deduct	*-25.89*	
		For Oxidized Finish, Add	*55.35*	
		For Polished Finish, Add	*110.69*	
10 14 19 00-0170	EA	12" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	575.03	14.34
		For Installation With Adhesive, Deduct	*-34.49*	
		For Oxidized Finish, Add	*77.65*	
		For Polished Finish, Add	*155.30*	
10 14 19 00-0171	EA	14" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	717.82	16.55
		For Installation With Adhesive, Deduct	*-42.51*	
		For Oxidized Finish, Add	*97.74*	
		For Polished Finish, Add	*195.49*	
10 14 19 00-0172	EA	16" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	837.21	19.86
		For Installation With Adhesive, Deduct	*-49.80*	
		For Oxidized Finish, Add	*113.67*	
		For Polished Finish, Add	*227.33*	
10 14 19 00-0173	EA	18" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,116.62	22.06
		For Installation With Adhesive, Deduct	*-64.66*	
		For Oxidized Finish, Add	*154.25*	
		For Polished Finish, Add	*308.51*	
10 14 19 00-0174	EA	20" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,221.21	24.82
		For Installation With Adhesive, Deduct	*-70.99*	
		For Oxidized Finish, Add	*168.29*	
		For Polished Finish, Add	*336.57*	
10 14 19 00-0175	EA	22" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,551.12	26.20
		For Installation With Adhesive, Deduct	*-88.04*	
		For Oxidized Finish, Add	*216.95*	
		For Polished Finish, Add	*433.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0176	EA	24" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,970.99	27.58
		For Installation With Adhesive, Deduct	*-109.58*	
		For Oxidized Finish, Add	*279.10*	
		For Polished Finish, Add	*558.20*	
10 14 19 00-0177	EA	30" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	2,976.56	33.10
		For Installation With Adhesive, Deduct	*-162.07*	
		For Oxidized Finish, Add	*426.62*	
		For Polished Finish, Add	*853.25*	

10 14 19 00-0178 Satin Finish, Bronze Characters *(10 14 19 00-0049)*

10 14 19 00-0179 1/4" Deep, Satin Finish, Bronze Characters *(10 14 19 00-0178)*

10 14 19 00-0180	EA	2" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	68.08	6.90
		For Installation With Adhesive, Deduct	*-6.16*	
		For Oxidized Finish, Add	*6.08*	
		For Polished Or Patina Finish, Add	*12.15*	
10 14 19 00-0181	EA	4" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	88.41	8.00
		For Installation With Adhesive, Deduct	*-7.62*	
		For Oxidized Finish, Add	*8.46*	
		For Polished Or Patina Finish, Add	*16.92*	
10 14 19 00-0182	EA	6" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	122.50	9.65
		For Installation With Adhesive, Deduct	*-9.99*	
		For Oxidized Finish, Add	*12.58*	
		For Polished Or Patina Finish, Add	*25.17*	
10 14 19 00-0183	EA	8" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	161.29	11.03
		For Installation With Adhesive, Deduct	*-12.48*	
		For Oxidized Finish, Add	*17.57*	
		For Polished Or Patina Finish, Add	*35.15*	
10 14 19 00-0184	EA	10" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	207.29	12.41
		For Installation With Adhesive, Deduct	*-15.33*	
		For Oxidized Finish, Add	*23.65*	
		For Polished Or Patina Finish, Add	*47.30*	
10 14 19 00-0185	EA	12" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	262.76	14.34
		For Installation With Adhesive, Deduct	*-18.88*	
		For Oxidized Finish, Add	*30.81*	
		For Polished Or Patina Finish, Add	*61.61*	
10 14 19 00-0186	EA	14" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	329.44	16.55
		For Installation With Adhesive, Deduct	*-23.09*	
		For Oxidized Finish, Add	*39.49*	
		For Polished Or Patina Finish, Add	*78.97*	
10 14 19 00-0187	EA	16" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	409.21	19.86
		For Installation With Adhesive, Deduct	*-28.40*	
		For Oxidized Finish, Add	*49.47*	
		For Polished Or Patina Finish, Add	*98.93*	
10 14 19 00-0188	EA	18" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	490.36	22.06
		For Installation With Adhesive, Deduct	*-33.35*	
		For Oxidized Finish, Add	*60.31*	
		For Polished Or Patina Finish, Add	*120.63*	
10 14 19 00-0189	EA	20" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	582.39	24.82
		For Installation With Adhesive, Deduct	*-39.05*	
		For Oxidized Finish, Add	*72.46*	
		For Polished Or Patina Finish, Add	*144.93*	
10 14 19 00-0190	EA	22" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	680.48	26.20
		For Installation With Adhesive, Deduct	*-44.51*	
		For Oxidized Finish, Add	*86.35*	
		For Polished Or Patina Finish, Add	*172.70*	
10 14 19 00-0191	EA	24" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	788.68	27.58
		For Installation With Adhesive, Deduct	*-50.47*	
		For Oxidized Finish, Add	*101.75*	
		For Polished Or Patina Finish, Add	*203.51*	
10 14 19 00-0192	EA	30" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,199.82	33.10
		For Installation With Adhesive, Deduct	*-73.23*	
		For Oxidized Finish, Add	*160.11*	
		For Polished Or Patina Finish, Add	*320.23*	

10 14 19 00-0193 3/8" Deep, Satin Finish, Bronze Characters *(10 14 19 00-0178)*

10 14 19 00-0194	EA	2" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	81.04	6.90
		For Installation With Adhesive, Deduct	*-6.81*	
		For Oxidized Finish, Add	*8.02*	
		For Polished Or Patina Finish, Add	*16.04*	
10 14 19 00-0195	EA	4" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	105.90	8.00
		For Installation With Adhesive, Deduct	*-8.50*	
		For Oxidized Finish, Add	*11.09*	
		For Polished Or Patina Finish, Add	*22.17*	
10 14 19 00-0196	EA	6" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	154.38	9.65
		For Installation With Adhesive, Deduct	*-11.58*	
		For Oxidized Finish, Add	*17.37*	
		For Polished Or Patina Finish, Add	*34.73*	
10 14 19 00-0197	EA	8" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	204.63	11.03
		For Installation With Adhesive, Deduct	*-14.64*	
		For Oxidized Finish, Add	*24.08*	
		For Polished Or Patina Finish, Add	*48.15*	

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LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0198	EA	10" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	278.24	12.41
		For Installation With Adhesive, Deduct	*-18.88*	
		For Oxidized Finish, Add	*34.29*	
		For Polished Or Patina Finish, Add	*68.58*	
10 14 19 00-0199	EA	12" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	353.13	14.34
		For Installation With Adhesive, Deduct	*-23.39*	
		For Oxidized Finish, Add	*44.36*	
		For Polished Or Patina Finish, Add	*88.73*	
10 14 19 00-0200	EA	14" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	442.63	16.55
		For Installation With Adhesive, Deduct	*-28.75*	
		For Oxidized Finish, Add	*56.46*	
		For Polished Or Patina Finish, Add	*112.93*	
10 14 19 00-0201	EA	16" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	547.72	19.86
		For Installation With Adhesive, Deduct	*-35.33*	
		For Oxidized Finish, Add	*70.24*	
		For Polished Or Patina Finish, Add	*140.48*	
10 14 19 00-0202	EA	18" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	663.26	22.06
		For Installation With Adhesive, Deduct	*-41.99*	
		For Oxidized Finish, Add	*86.25*	
		For Polished Or Patina Finish, Add	*172.50*	
10 14 19 00-0203	EA	20" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	790.12	24.82
		For Installation With Adhesive, Deduct	*-49.44*	
		For Oxidized Finish, Add	*103.62*	
		For Polished Or Patina Finish, Add	*207.25*	
10 14 19 00-0204	EA	22" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	928.01	26.20
		For Installation With Adhesive, Deduct	*-56.88*	
		For Oxidized Finish, Add	*123.48*	
		For Polished Or Patina Finish, Add	*246.96*	
10 14 19 00-0205	EA	24" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,053.23	27.58
		For Installation With Adhesive, Deduct	*-63.69*	
		For Oxidized Finish, Add	*141.44*	
		For Polished Or Patina Finish, Add	*282.87*	
10 14 19 00-0206	EA	30" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,445.33	33.10
		For Installation With Adhesive, Deduct	*-85.51*	
		For Oxidized Finish, Add	*196.94*	
		For Polished Or Patina Finish, Add	*393.88*	

10 14 19 00-0207 1/2" Deep, Satin Finish, Bronze Characters *(10 14 19 00-0178)*

10 14 19 00-0208	EA	2" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	83.87	6.90
		For Installation With Adhesive, Deduct	*-6.95*	
		For Oxidized Finish, Add	*8.44*	
		For Polished Or Patina Finish, Add	*16.89*	
10 14 19 00-0209	EA	4" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	126.20	8.00
		For Installation With Adhesive, Deduct	*-9.51*	
		For Oxidized Finish, Add	*14.13*	
		For Polished Or Patina Finish, Add	*28.26*	
10 14 19 00-0210	EA	6" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	180.38	9.65
		For Installation With Adhesive, Deduct	*-12.88*	
		For Oxidized Finish, Add	*21.27*	
		For Polished Or Patina Finish, Add	*42.53*	
10 14 19 00-0211	EA	8" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	249.15	11.03
		For Installation With Adhesive, Deduct	*-16.87*	
		For Oxidized Finish, Add	*30.75*	
		For Polished Or Patina Finish, Add	*61.51*	
10 14 19 00-0212	EA	10" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	341.30	12.41
		For Installation With Adhesive, Deduct	*-22.03*	
		For Oxidized Finish, Add	*43.75*	
		For Polished Or Patina Finish, Add	*87.50*	
10 14 19 00-0213	EA	12" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	466.10	14.34
		For Installation With Adhesive, Deduct	*-29.04*	
		For Oxidized Finish, Add	*61.31*	
		For Polished Or Patina Finish, Add	*122.62*	
10 14 19 00-0214	EA	14" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	605.84	16.55
		For Installation With Adhesive, Deduct	*-36.91*	
		For Oxidized Finish, Add	*80.95*	
		For Polished Or Patina Finish, Add	*161.89*	
10 14 19 00-0215	EA	16" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	758.77	19.86
		For Installation With Adhesive, Deduct	*-45.88*	
		For Oxidized Finish, Add	*101.90*	
		For Polished Or Patina Finish, Add	*203.80*	
10 14 19 00-0216	EA	18" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	932.66	22.06
		For Installation With Adhesive, Deduct	*-55.46*	
		For Oxidized Finish, Add	*126.66*	
		For Polished Or Patina Finish, Add	*253.32*	
10 14 19 00-0217	EA	20" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,118.61	24.82
		For Installation With Adhesive, Deduct	*-65.86*	
		For Oxidized Finish, Add	*152.90*	
		For Polished Or Patina Finish, Add	*305.79*	
10 14 19 00-0218	EA	22" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,325.21	26.20
		For Installation With Adhesive, Deduct	*-76.74*	
		For Oxidized Finish, Add	*183.06*	
		For Polished Or Patina Finish, Add	*366.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0219	EA	24" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,541.64	27.58
		For Installation With Adhesive, Deduct	*-88.12*	
		For Oxidized Finish, Add	*214.70*	
		For Polished Or Patina Finish, Add	*429.39*	
10 14 19 00-0220	EA	30" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	2,160.50	33.10
		For Installation With Adhesive, Deduct	*-121.27*	
		For Oxidized Finish, Add	*304.22*	
		For Polished Or Patina Finish, Add	*608.43*	
10 14 19 00-0221		Satin Finish, Copper Characters *(10 14 19 00-0049)*		
10 14 19 00-0222		1/4" Deep, Satin Finish, Copper Characters *(10 14 19 00-0221)*		
10 14 19 00-0223	EA	2" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	64.03	6.90
		For Installation With Adhesive, Deduct	*-5.96*	
		For Polished Finish, Add	*10.94*	
10 14 19 00-0224	EA	4" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	84.08	8.00
		For Installation With Adhesive, Deduct	*-7.40*	
		For Polished Finish, Add	*15.62*	
10 14 19 00-0225	EA	6" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	119.33	9.65
		For Installation With Adhesive, Deduct	*-9.83*	
		For Polished Finish, Add	*24.22*	
10 14 19 00-0226	EA	8" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	158.70	11.03
		For Installation With Adhesive, Deduct	*-12.35*	
		For Polished Finish, Add	*34.37*	
10 14 19 00-0227	EA	10" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	201.97	12.41
		For Installation With Adhesive, Deduct	*-15.06*	
		For Polished Finish, Add	*45.70*	
10 14 19 00-0228	EA	12" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	257.88	14.34
		For Installation With Adhesive, Deduct	*-18.63*	
		For Polished Finish, Add	*60.15*	
10 14 19 00-0229	EA	14" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	323.98	16.55
		For Installation With Adhesive, Deduct	*-22.82*	
		For Polished Finish, Add	*77.33*	
10 14 19 00-0230	EA	16" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	399.72	19.86
		For Installation With Adhesive, Deduct	*-27.93*	
		For Polished Finish, Add	*96.08*	
10 14 19 00-0231	EA	18" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	480.15	22.06
		For Installation With Adhesive, Deduct	*-32.83*	
		For Polished Finish, Add	*117.56*	
10 14 19 00-0232	EA	20" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	569.30	24.82
		For Installation With Adhesive, Deduct	*-38.40*	
		For Polished Finish, Add	*141.00*	
10 14 19 00-0233	EA	22" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	665.97	26.20
		For Installation With Adhesive, Deduct	*-43.78*	
		For Polished Finish, Add	*168.35*	
10 14 19 00-0234	EA	24" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	770.41	27.58
		For Installation With Adhesive, Deduct	*-49.55*	
		For Polished Finish, Add	*198.02*	
10 14 19 00-0235	EA	30" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	1,109.48	33.10
		For Installation With Adhesive, Deduct	*-68.71*	
		For Polished Finish, Add	*293.12*	
10 14 19 00-0236		3/8" Deep, Satin Finish, Copper Characters *(10 14 19 00-0221)*		
10 14 19 00-0237	EA	2" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	73.15	6.90
		For Installation With Adhesive, Deduct	*-6.42*	
		For Polished Finish, Add	*13.67*	
10 14 19 00-0238	EA	4" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	99.70	8.00
		For Installation With Adhesive, Deduct	*-8.19*	
		For Polished Finish, Add	*20.31*	
10 14 19 00-0239	EA	6" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	147.58	9.65
		For Installation With Adhesive, Deduct	*-11.24*	
		For Polished Finish, Add	*32.69*	
10 14 19 00-0240	EA	8" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	204.53	11.03
		For Installation With Adhesive, Deduct	*-14.64*	
		For Polished Finish, Add	*48.12*	
10 14 19 00-0241	EA	10" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	278.13	12.41
		For Installation With Adhesive, Deduct	*-18.87*	
		For Polished Finish, Add	*68.55*	
10 14 19 00-0242	EA	12" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	348.10	14.34
		For Installation With Adhesive, Deduct	*-23.14*	
		For Polished Finish, Add	*87.22*	
10 14 19 00-0243	EA	14" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	439.99	16.55
		For Installation With Adhesive, Deduct	*-28.62*	
		For Polished Finish, Add	*112.14*	
10 14 19 00-0244	EA	16" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	543.84	19.86
		For Installation With Adhesive, Deduct	*-35.14*	
		For Polished Finish, Add	*139.32*	
10 14 19 00-0245	EA	18" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	656.50	22.06
		For Installation With Adhesive, Deduct	*-41.65*	
		For Polished Finish, Add	*170.47*	
10 14 19 00-0246	EA	20" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	780.80	24.82
		For Installation With Adhesive, Deduct	*-48.97*	
		For Polished Finish, Add	*204.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0247	EA	22" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	918.49	26.20
		For Installation With Adhesive, Deduct	*-56.41*	
		For Polished Finish, Add	*244.10*	
10 14 19 00-0248	EA	24" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	1,034.45	27.58
		For Installation With Adhesive, Deduct	*-62.76*	
		For Polished Finish, Add	*277.24*	
10 14 19 00-0249	EA	30" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	1,451.45	33.10
		For Installation With Adhesive, Deduct	*-85.81*	
		For Polished Finish, Add	*395.72*	

10 14 19 00-0250 Satin Finish, Stainless Steel Characters *(10 14 19 00-0049)*

10 14 19 00-0251 1/4" Deep, Satin Finish, Stainless Steel Characters *(10 14 19 00-0250)*

10 14 19 00-0252	EA	2" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	61.14	6.90
		For Installation With Adhesive, Deduct	*-5.82*	
		For Polished Finish, Add	*10.07*	
10 14 19 00-0253	EA	4" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	80.66	8.00
		For Installation With Adhesive, Deduct	*-7.23*	
		For Polished Finish, Add	*14.60*	
10 14 19 00-0254	EA	6" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	104.04	9.65
		For Installation With Adhesive, Deduct	*-9.06*	
		For Polished Finish, Add	*19.63*	
10 14 19 00-0255	EA	8" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	134.73	11.03
		For Installation With Adhesive, Deduct	*-11.15*	
		For Polished Finish, Add	*27.18*	
10 14 19 00-0256	EA	10" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	165.41	12.41
		For Installation With Adhesive, Deduct	*-13.23*	
		For Polished Finish, Add	*34.73*	
10 14 19 00-0257	EA	12" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	203.35	14.34
		For Installation With Adhesive, Deduct	*-15.91*	
		For Polished Finish, Add	*43.79*	
10 14 19 00-0258	EA	14" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	244.05	16.55
		For Installation With Adhesive, Deduct	*-18.82*	
		For Polished Finish, Add	*53.36*	
10 14 19 00-0259	EA	16" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	292.52	19.86
		For Installation With Adhesive, Deduct	*-22.57*	
		For Polished Finish, Add	*63.92*	
10 14 19 00-0260	EA	18" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	341.62	22.06
		For Installation With Adhesive, Deduct	*-25.91*	
		For Polished Finish, Add	*76.01*	
10 14 19 00-0261	EA	20" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	399.63	24.82
		For Installation With Adhesive, Deduct	*-29.91*	
		For Polished Finish, Add	*90.10*	
10 14 19 00-0262	EA	22" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	465.55	26.20
		For Installation With Adhesive, Deduct	*-33.76*	
		For Polished Finish, Add	*108.22*	
10 14 19 00-0263	EA	24" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	533.14	27.58
		For Installation With Adhesive, Deduct	*-37.69*	
		For Polished Finish, Add	*126.84*	
10 14 19 00-0264	EA	30" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	733.05	33.10
		For Installation With Adhesive, Deduct	*-49.89*	
		For Polished Finish, Add	*180.20*	

10 14 19 00-0265 3/8" Deep, Satin Finish, Stainless Steel Characters *(10 14 19 00-0250)*

10 14 19 00-0266	EA	2" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	72.88	6.90
		For Installation With Adhesive, Deduct	*-6.40*	
		For Polished Finish, Add	*13.59*	
10 14 19 00-0267	EA	4" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	97.69	8.00
		For Installation With Adhesive, Deduct	*-8.08*	
		For Polished Finish, Add	*19.71*	
10 14 19 00-0268	EA	6" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	125.64	9.65
		For Installation With Adhesive, Deduct	*-10.14*	
		For Polished Finish, Add	*26.11*	
10 14 19 00-0269	EA	8" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	161.01	11.03
		For Installation With Adhesive, Deduct	*-12.46*	
		For Polished Finish, Add	*35.06*	
10 14 19 00-0270	EA	10" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	198.98	12.41
		For Installation With Adhesive, Deduct	*-14.91*	
		For Polished Finish, Add	*44.80*	
10 14 19 00-0271	EA	12" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	245.68	14.34
		For Installation With Adhesive, Deduct	*-18.02*	
		For Polished Finish, Add	*56.49*	
10 14 19 00-0272	EA	14" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	295.62	16.55
		For Installation With Adhesive, Deduct	*-21.40*	
		For Polished Finish, Add	*68.83*	
10 14 19 00-0273	EA	16" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	354.31	19.86
		For Installation With Adhesive, Deduct	*-25.66*	
		For Polished Finish, Add	*82.46*	
10 14 19 00-0274	EA	18" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	412.56	22.06
		For Installation With Adhesive, Deduct	*-29.46*	
		For Polished Finish, Add	*97.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0275	EA	20" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	483.72	24.82
		For Installation With Adhesive, Deduct	*-34.12*	
		For Polished Finish, Add	*115.33*	
10 14 19 00-0276	EA	22" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	544.91	26.20
		For Installation With Adhesive, Deduct	*-37.73*	
		For Polished Finish, Add	*132.03*	
10 14 19 00-0277	EA	24" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	626.15	27.58
		For Installation With Adhesive, Deduct	*-42.34*	
		For Polished Finish, Add	*154.75*	
10 14 19 00-0278	EA	30" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	865.20	33.10
		For Installation With Adhesive, Deduct	*-56.50*	
		For Polished Finish, Add	*219.84*	

10 14 19 00-0279 1/2" Deep, Satin Finish, Stainless Steel Characters *(10 14 19 00-0250)*

10 14 19 00-0280	EA	2" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	87.98	6.90
		For Installation With Adhesive, Deduct	*-7.16*	
		For Polished Finish, Add	*18.12*	
10 14 19 00-0281	EA	4" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	119.58	8.00
		For Installation With Adhesive, Deduct	*-9.18*	
		For Polished Finish, Add	*26.27*	
10 14 19 00-0282	EA	6" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	154.43	9.65
		For Installation With Adhesive, Deduct	*-11.58*	
		For Polished Finish, Add	*34.75*	
10 14 19 00-0283	EA	8" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	203.59	11.03
		For Installation With Adhesive, Deduct	*-14.59*	
		For Polished Finish, Add	*47.84*	
10 14 19 00-0284	EA	10" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	253.39	12.41
		For Installation With Adhesive, Deduct	*-17.63*	
		For Polished Finish, Add	*61.13*	
10 14 19 00-0285	EA	12" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	314.28	14.34
		For Installation With Adhesive, Deduct	*-21.45*	
		For Polished Finish, Add	*77.07*	
10 14 19 00-0286	EA	14" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	379.21	16.55
		For Installation With Adhesive, Deduct	*-25.58*	
		For Polished Finish, Add	*93.90*	
10 14 19 00-0287	EA	16" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	454.46	19.86
		For Installation With Adhesive, Deduct	*-30.67*	
		For Polished Finish, Add	*112.51*	
10 14 19 00-0288	EA	18" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	541.76	22.06
		For Installation With Adhesive, Deduct	*-35.92*	
		For Polished Finish, Add	*136.05*	
10 14 19 00-0289	EA	20" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	636.88	24.82
		For Installation With Adhesive, Deduct	*-41.77*	
		For Polished Finish, Add	*161.27*	
10 14 19 00-0290	EA	22" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	714.45	26.20
		For Installation With Adhesive, Deduct	*-46.20*	
		For Polished Finish, Add	*182.89*	
10 14 19 00-0291	EA	24" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	824.87	27.58
		For Installation With Adhesive, Deduct	*-52.28*	
		For Polished Finish, Add	*214.36*	
10 14 19 00-0292	EA	30" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	1,147.50	33.10
		For Installation With Adhesive, Deduct	*-70.62*	
		For Polished Finish, Add	*304.53*	

10 14 23 Panel Signage *(10 14)*

10 14 23 11 Panel Signage *(10 14 23)*

10 14 23 11-0001 Indoor/Outdoor Signs *(10 14 23 11)*

Note: Office number signs, conference room signs, restroom signs, stairway signs, fire extinguisher marker, ANSI/OSHA safety signs, entry/exit signs, etc.

10 14 23 11-0002 Surface Mount, Indoor/Outdoor Signs *(10 14 23 11-0001)*

10 14 23 11-0003 Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Signs *(10 14 23 11-0002)*

Note: Multi-color with words, symbols and graphics.

10 14 23 11-0004	EA	Up To 25 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	29.73	12.45
		For >25 To 50, Deduct	*-0.48*	
		For >50 To 100, Deduct	*-1.21*	
		For >100, Deduct	*-1.45*	
		For Clear Glass Mount, Add	*3.86*	
		For Glow-In-Dark, Add	*9.66*	
		For Reflective Finish, Add	*10.87*	
10 14 23 11-0005	EA	>25 To 50 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	33.18	12.45
		For >25 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-2.07*	
		For >100, Deduct	*-2.48*	
		For Clear Glass Mount, Add	*6.62*	
		For Glow-In-Dark, Add	*16.56*	
		For Reflective Finish, Add	*18.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0006	EA	>50 To 100 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	38.70	12.45
		For >25 To 50, Deduct	*-1.38*	
		For >50 To 100, Deduct	*-3.45*	
		For >100, Deduct	*-4.14*	
		For Clear Glass Mount, Add	*11.04*	
		For Glow-In-Dark, Add	*27.60*	
		For Reflective Finish, Add	*31.05*	
10 14 23 11-0007	EA	>100 To 250 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	45.60	12.45
		For >25 To 50, Deduct	*-2.07*	
		For >50 To 100, Deduct	*-5.18*	
		For >100, Deduct	*-6.21*	
		For Clear Glass Mount, Add	*16.56*	
		For Glow-In-Dark, Add	*41.40*	
		For Reflective Finish, Add	*46.58*	
10 14 23 11-0008	EA	>250 To 500 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	58.02	12.45
		For >25 To 50, Deduct	*-3.31*	
		For >50 To 100, Deduct	*-8.28*	
		For >100, Deduct	*-9.94*	
		For Clear Glass Mount, Add	*26.50*	
		For Glow-In-Dark, Add	*66.24*	
		For Reflective Finish, Add	*74.52*	
10 14 23 11-0009	EA	>500 To 750 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	80.10	12.45
		For >25 To 50, Deduct	*-5.52*	
		For >50 To 100, Deduct	*-13.80*	
		For >100, Deduct	*-16.56*	
		For Clear Glass Mount, Add	*44.16*	
		For Glow-In-Dark, Add	*110.40*	
		For Reflective Finish, Add	*124.20*	
10 14 23 11-0010	EA	>750 To 1,000 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	107.70	12.45
		For >25 To 50, Deduct	*-8.28*	
		For >50 To 100, Deduct	*-20.70*	
		For >100, Deduct	*-24.84*	
		For Clear Glass Mount, Add	*66.24*	
		For Glow-In-Dark, Add	*165.60*	
		For Reflective Finish, Add	*186.30*	
10 14 23 11-0011	SI	>1,000 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	0.11	0.01
		For Clear Glass Mount, Add	*0.07*	
		For Glow-In-Dark, Add	*0.18*	
		For Reflective Finish, Add	*0.20*	

10 14 23 11-0012 Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Signs

(10 14 23 11-0002)

Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting.

10 14 23 11-0013	EA	Up To 25 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	31.11	12.45
		For >25 To 50, Deduct	*-0.62*	
		For >50 To 100, Deduct	*-1.55*	
		For >100, Deduct	*-1.86*	
		For Glow-In-Dark, Add	*12.42*	
		For Reflective Finish, Add	*13.35*	
10 14 23 11-0014	EA	>25 To 50 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	34.56	12.45
		For >25 To 50, Deduct	*-0.97*	
		For >50 To 100, Deduct	*-2.42*	
		For >100, Deduct	*-2.90*	
		For Glow-In-Dark, Add	*19.32*	
		For Reflective Finish, Add	*20.77*	
10 14 23 11-0015	EA	>50 To 100 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	41.46	12.45
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.14*	
		For >100, Deduct	*-4.97*	
		For Glow-In-Dark, Add	*33.12*	
		For Reflective Finish, Add	*35.60*	
10 14 23 11-0016	EA	>100 To 250 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	48.36	12.45
		For >25 To 50, Deduct	*-2.35*	
		For >50 To 100, Deduct	*-5.87*	
		For >100, Deduct	*-7.04*	
		For Glow-In-Dark, Add	*46.92*	
		For Reflective Finish, Add	*50.44*	
10 14 23 11-0017	EA	>250 To 500 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	58.71	12.45
		For >25 To 50, Deduct	*-3.38*	
		For >50 To 100, Deduct	*-8.45*	
		For >100, Deduct	*-10.14*	
		For Glow-In-Dark, Add	*67.62*	
		For Reflective Finish, Add	*72.69*	
10 14 23 11-0018	EA	>500 To 750 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	69.06	12.45
		For >25 To 50, Deduct	*-4.42*	
		For >50 To 100, Deduct	*-11.04*	
		For >100, Deduct	*-13.25*	
		For Glow-In-Dark, Add	*88.32*	
		For Reflective Finish, Add	*94.94*	
10 14 23 11-0019	EA	>750 To 1,000 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	80.10	12.45
		For >25 To 50, Deduct	*-5.52*	
		For >50 To 100, Deduct	*-13.80*	
		For >100, Deduct	*-16.56*	
		For Glow-In-Dark, Add	*110.40*	
		For Reflective Finish, Add	*118.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0020	SI	>1,000 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	0.08	0.01
		For Glow-In-Dark, Add	*0.12*	
		For Reflective Finish, Add	*0.13*	

10 14 23 11-0021 Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille *(10 14 23 11-0002)*

Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting. Excludes frame.

10 14 23 11-0022	EA	Up To 25 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	41.46	12.45
		For >25 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.14*	
		For >100, Deduct	*-4.97*	
		For Molded Plastic Frame, Add	*15.00*	
		For Brushed Metal Finish/Faux Metal Finish, Add	*23.00*	
		For 2" Height Slider Channel For Custom Inserts, Add	*35.00*	
10 14 23 11-0023	EA	>25 To 50 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	45.60	12.45
		For >25 To 50, Deduct	*-2.07*	
		For >50 To 100, Deduct	*-5.18*	
		For >100, Deduct	*-6.21*	
		For Molded Plastic Frame, Add	*17.00*	
		For Brushed Metal Finish/Faux Metal Finish, Add	*28.00*	
		For 2" Height Slider Channel For Custom Inserts, Add	*35.00*	
10 14 23 11-0024	EA	>50 To 75 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	52.50	12.45
		For >25 To 50, Deduct	*-2.76*	
		For >50 To 100, Deduct	*-6.90*	
		For >100, Deduct	*-8.28*	
		For Molded Plastic Frame, Add	*19.00*	
		For Brushed Metal Finish/Faux Metal Finish, Add	*31.00*	
10 14 23 11-0025	EA	>75 To 100 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	58.99	12.45
		For >25 To 50, Deduct	*-3.41*	
		For >50 To 100, Deduct	*-8.52*	
		For >100, Deduct	*-10.23*	
		For Molded Plastic Frame, Add	*21.00*	
		For Brushed Metal Finish/Faux Metal Finish, Add	*35.00*	
10 14 23 11-0026	SI	>100 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	0.64	0.12
		For Molded Plastic Frame, Add	*0.20*	
		For Brushed Metal Finish/Faux Metal Finish, Add	*0.31*	

10 14 23 11-0027 Engraved Steel, Surface Mount, Indoor/Outdoor Signs *(10 14 23 11-0002)*

Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting. Excludes frame.

10 14 23 11-0028	EA	Up To 25 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	51.12	12.45
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-6.56*	
		For >100, Deduct	*-7.87*	
		For Molded Plastic Frame, Add	*15.00*	
10 14 23 11-0029	EA	>25 To 50 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	59.40	12.45
		For >25 To 50, Deduct	*-3.45*	
		For >50 To 100, Deduct	*-8.63*	
		For >100, Deduct	*-10.35*	
		For Molded Plastic Frame, Add	*17.00*	
10 14 23 11-0030	EA	>50 To 75 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	70.44	12.45
		For >25 To 50, Deduct	*-4.55*	
		For >50 To 100, Deduct	*-11.39*	
		For >100, Deduct	*-13.66*	
		For Molded Plastic Frame, Add	*19.00*	
10 14 23 11-0031	EA	>75 To 100 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	92.52	12.45
		For >25 To 50, Deduct	*-6.76*	
		For >50 To 100, Deduct	*-16.91*	
		For >100, Deduct	*-20.29*	
		For Molded Plastic Frame, Add	*21.00*	
10 14 23 11-0032	SI	>100 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	0.93	0.12
		For Molded Plastic Frame, Add	*0.20*	

10 14 23 11-0033 Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Signs *(10 14 23 11-0002)*

Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting.

10 14 23 11-0034	EA	Up To 25 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	30.42	12.45
		For >25 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.38*	
		For >100, Deduct	*-1.66*	
		For Glow-In-Dark, Add	*3.31*	
		For Reflective Finish, Add	*4.14*	
10 14 23 11-0035	EA	>25 To 50 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	34.56	12.45
		For >25 To 50, Deduct	*-0.97*	
		For >50 To 100, Deduct	*-2.42*	
		For >100, Deduct	*-2.90*	
		For Glow-In-Dark, Add	*5.80*	
		For Reflective Finish, Add	*7.25*	
10 14 23 11-0036	EA	>50 To 100 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	42.84	12.45
		For >25 To 50, Deduct	*-1.79*	
		For >50 To 100, Deduct	*-4.49*	
		For >100, Deduct	*-5.38*	
		For Glow-In-Dark, Add	*10.76*	
		For Reflective Finish, Add	*13.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0037	EA	>100 To 250 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	52.50	12.45
		For >25 To 50, Deduct	*-2.76*	
		For >50 To 100, Deduct	*-6.90*	
		For >100, Deduct	*-8.28*	
		For Glow-In-Dark, Add	*16.56*	
		For Reflective Finish, Add	*20.70*	
10 14 23 11-0038	EA	>250 To 500 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	81.48	12.45
		For >25 To 50, Deduct	*-5.66*	
		For >50 To 100, Deduct	*-14.15*	
		For >100, Deduct	*-16.97*	
		For Glow-In-Dark, Add	*33.95*	
		For Reflective Finish, Add	*42.44*	
10 14 23 11-0039	EA	>500 To 750 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	93.90	12.45
		For >25 To 50, Deduct	*-6.90*	
		For >50 To 100, Deduct	*-17.25*	
		For >100, Deduct	*-20.70*	
		For Glow-In-Dark, Add	*41.40*	
		For Reflective Finish, Add	*51.75*	
10 14 23 11-0040	EA	>750 To 1,000 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	110.46	12.45
		For >25 To 50, Deduct	*-8.56*	
		For >50 To 100, Deduct	*-21.39*	
		For >100, Deduct	*-25.67*	
		For Glow-In-Dark, Add	*51.34*	
		For Reflective Finish, Add	*64.17*	
10 14 23 11-0041	SI	>1,000 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	0.12	0.01
		For Glow-In-Dark, Add	*0.06*	
		For Reflective Finish, Add	*0.08*	

10 14 23 11-0042 California Title 24, Surface Mount, Signs *(10 14 23 11-0002)*

10 14 23 11-0043 California Title 24, Surface Mount, Geometric Restroom Signs *(10 14 23 11-0042)*

Note: Includes 1/4" thick acrylic or PVC construction, color that contrasts with the door color, and with or without the international symbol of accessibility and staff only designation.

10 14 23 11-0044	EA	1/4" Thick, Equilateral Triangle With 12" Long Edges, California Title 24, Surface Mount, Geometric Male Restroom Sign	75.62	12.45
		For >25 To 50, Deduct	*-5.07*	
		For >50 To 100, Deduct	*-7.61*	
		For >100, Deduct	*-8.62*	
10 14 23 11-0045	EA	1/4" Thick, 12" Diameter, California Title 24, Surface Mount, Geometric Female Restroom Sign	75.62	12.45
		For >25 To 50, Deduct	*-5.07*	
		For >50 To 100, Deduct	*-7.61*	
		For >100, Deduct	*-8.62*	
10 14 23 11-0046	EA	1/4" Thick, 12" Diameter, California Title 24, Surface Mount, Geometric Unisex Restroom Sign Note: Includes contrasting color equilateral triangle with 12" long edges superimposed on the circle.	95.90	12.45
		For >25 To 50, Deduct	*-7.10*	
		For >50 To 100, Deduct	*-10.65*	
		For >100, Deduct	*-12.07*	

10 14 23 11-0047 California Title 24, Surface Mount, Stairwell Signs *(10 14 23 11-0042)*

Note: Includes 1/16" matte finish colored polymer face plate with 1/16" acrylic backer. Includes information on stairway location, roof access availability, floor level number, basement or mezzanine level identification and exit level and direction.

10 14 23 11-0048	EA	1/8" Thick, 12" x 18", California Title 24, Surface Mount, Stairwell Sign	139.37	12.45
		For >25 To 50, Deduct	*-11.45*	
		For >50 To 100, Deduct	*-17.17*	
		For >100, Deduct	*-19.46*	

10 14 23 11-0049 Ceiling Mount, Indoor/Outdoor Signs *(10 14 23 11-0001)*

10 14 23 11-0050 Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Signs *(10 14 23 11-0049)*

10 14 23 11-0051	EA	Up To 25 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	42.45	17.43
		For >25 To 50, Deduct	*-0.76*	
		For >50 To 100, Deduct	*-1.90*	
		For >100, Deduct	*-2.28*	
		For Glow-In-Dark, Add	*4.55*	
		For Reflective Finish, Add	*5.69*	
10 14 23 11-0052	EA	>25 To 50 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	48.66	17.43
		For >25 To 50, Deduct	*-1.38*	
		For >50 To 100, Deduct	*-3.45*	
		For >100, Deduct	*-4.14*	
		For Glow-In-Dark, Add	*8.28*	
		For Reflective Finish, Add	*10.35*	
10 14 23 11-0053	EA	>50 To 100 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	56.94	17.43
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-5.52*	
		For >100, Deduct	*-6.62*	
		For Glow-In-Dark, Add	*13.25*	
		For Reflective Finish, Add	*16.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0054	EA	>100 To 150 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	69.36	17.43
		For >25 To 50, Deduct	*-3.45*	
		For >50 To 100, Deduct	*-8.63*	
		For >100, Deduct	*-10.35*	
		For Glow-In-Dark, Add	*20.70*	
		For Reflective Finish, Add	*25.88*	

10 14 23 11-0055 90 Degree, Projection Mount, Indoor/Outdoor Signs *(10 14 23 11-0001)*

10 14 23 11-0056 Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Signs *(10 14 23 11-0055)*

10 14 23 11-0057	EA	Up To 25 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	43.14	17.43
		For >25 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-2.07*	
		For >100, Deduct	*-2.48*	
		For Glow-In-Dark, Add	*4.97*	
		For Reflective Finish, Add	*6.21*	
10 14 23 11-0058	EA	>25 To 50 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	50.04	17.43
		For >25 To 50, Deduct	*-1.52*	
		For >50 To 100, Deduct	*-3.80*	
		For >100, Deduct	*-4.55*	
		For Glow-In-Dark, Add	*9.11*	
		For Reflective Finish, Add	*11.39*	
10 14 23 11-0059	EA	>50 To 100 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	65.22	17.43
		For >25 To 50, Deduct	*-3.04*	
		For >50 To 100, Deduct	*-7.59*	
		For >100, Deduct	*-9.11*	
		For Glow-In-Dark, Add	*18.22*	
		For Reflective Finish, Add	*22.77*	
10 14 23 11-0060	EA	>100 To 150 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	70.74	17.43
		For >25 To 50, Deduct	*-3.59*	
		For >50 To 100, Deduct	*-8.97*	
		For >100, Deduct	*-10.76*	
		For Glow-In-Dark, Add	*21.53*	
		For Reflective Finish, Add	*26.91*	

10 14 23 11-0061 Triangle, Projection Mount, Indoor/Outdoor Signs *(10 14 23 11-0001)*

10 14 23 11-0062 Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Signs *(10 14 23 11-0061)*

10 14 23 11-0063	EA	Up To 25 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	45.21	17.43
		For >25 To 50, Deduct	*-1.04*	
		For >50 To 100, Deduct	*-2.59*	
		For >100, Deduct	*-3.11*	
		For Glow-In-Dark, Add	*6.21*	
		For Reflective Finish, Add	*7.76*	
10 14 23 11-0064	EA	>25 To 50 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	55.56	17.43
		For >25 To 50, Deduct	*-2.07*	
		For >50 To 100, Deduct	*-5.18*	
		For >100, Deduct	*-6.21*	
		For Glow-In-Dark, Add	*12.42*	
		For Reflective Finish, Add	*15.53*	
10 14 23 11-0065	EA	>50 To 100 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	59.70	17.43
		For >25 To 50, Deduct	*-2.48*	
		For >50 To 100, Deduct	*-6.21*	
		For >100, Deduct	*-7.45*	
		For Glow-In-Dark, Add	*14.90*	
		For Reflective Finish, Add	*18.63*	
10 14 23 11-0066	EA	>100 To 150 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	65.22	17.43
		For >25 To 50, Deduct	*-3.04*	
		For >50 To 100, Deduct	*-7.59*	
		For >100, Deduct	*-9.11*	
		For Glow-In-Dark, Add	*18.22*	
		For Reflective Finish, Add	*22.77*	

10 14 23 11-0067 Adhesive Backed Vinyl Characters *(10 14 23 11)*

Note: Includes capital or lower case letters in any font or color. Includes numbers, symbols, punctuation marks, etc. Includes adhesive.

10 14 23 11-0068	EA	1/2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	3.18	0.99
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*0.54*	
10 14 23 11-0069	EA	3/4" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	3.29	1.14
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*0.56*	
10 14 23 11-0070	EA	1" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	3.39	1.29
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*0.59*	
10 14 23 11-0071	EA	1-1/2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	4.56	1.49
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*0.75*	
10 14 23 11-0072	EA	2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	4.71	1.75
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*0.79*	
10 14 23 11-0073	EA	3" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	6.64	2.00
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*1.14*	
10 14 23 11-0074	EA	4" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	7.09	2.24
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*1.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0075	EA	6" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	9.48	2.49
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*1.72*	
10 14 23 11-0076	EA	8" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	11.31	2.74
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*2.18*	
10 14 23 11-0077	EA	10" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	14.45	2.99
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*2.84*	

10 14 23 11-0078 Standoffs For Wall Signage *(10 14 23 11)*

Note: Excludes signage

10 14 23 11-0079	EA	1/2" Diameter x 1/2" Long, Stainless Steel Standoff	15.26	5.52
10 14 23 11-0080	EA	1/2" Diameter x 3/4" Long, Stainless Steel Standoff	15.81	5.52
10 14 23 11-0081	EA	1/2" Diameter x 1" Long, Stainless Steel Standoff	15.95	5.52
10 14 23 11-0082	EA	5/8" Diameter x 1/2" Long, Stainless Steel Standoff	16.78	5.52
10 14 23 11-0083	EA	5/8" Diameter x 3/4" Long, Stainless Steel Standoff	17.33	5.52
10 14 23 11-0084	EA	5/8" Diameter x 1" Long, Stainless Steel Standoff	18.42	5.52
10 14 23 11-0085	EA	3/4" Diameter x 3/4" Long, Stainless Steel Standoff	18.15	6.62
10 14 23 11-0086	EA	3/4" Diameter x 1" Long, Stainless Steel Standoff	19.65	6.62
10 14 23 11-0087	EA	3/4" Diameter x 1-1/2" Long, Stainless Steel Standoff	20.88	6.62
10 14 23 11-0088	EA	1" Diameter x 3/4" Long, Stainless Steel Standoff	21.98	6.62
10 14 23 11-0089	EA	1" Diameter x 1" Long, Stainless Steel Standoff	23.76	6.62
10 14 23 11-0090	EA	1" Diameter x 1-1/2" Long, Stainless Steel Standoff	25.94	6.62
10 14 23 11-0091	EA	5/8" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff	17.19	5.52
10 14 23 11-0092	EA	5/8" Diameter x 1" Long, Clear Anodized Aluminum Standoff	17.60	5.52
10 14 23 11-0093	EA	3/4" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff	19.38	6.62
10 14 23 11-0094	EA	3/4" Diameter x 1" Long, Clear Anodized Aluminum Standoff	19.79	6.62
10 14 23 11-0095	EA	1" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff	21.43	6.62
10 14 23 11-0096	EA	1" Diameter x 1" Long, Clear Anodized Aluminum Standoff	21.71	6.62

10 14 23 11-0097 Removal And Reinstallation Of Building Signage *(10 14 23 11)*

Note: Includes storage and cleaning.

10 14 23 11-0098	EA	Removal And Reinstallation Of Building Signage, Exterior Up To 4 SF	193.17
10 14 23 11-0099	EA	Removal And Reinstallation Of Building Signage, Exterior >4 To 12 SF	222.02
10 14 23 11-0100	EA	Removal And Reinstallation Of Building Signage, >12 To 20 SF	249.61
10 14 23 11-0101	EA	Removal And Reinstallation Of Interior Door And Office Signage, Up To 4SF	74.70

10 14 23 11-0102 Building Sign *(10 14 23 11)*

Note: Includes 4" numbers painted on sign. Installed on building.

10 14 23 11-0103	EA	6" x 18" Metal Building Sign With Numbers	194.70	29.88
10 14 23 11-0104	SF	Double Sided, Molding On Two Sides, For Mounting On Aluminum Posts	45.20	7.72
10 14 23 11-0105	SF	Single Sided, Molding On One Side, For Mounting On Structure Up To 20'	34.05	7.17
10 14 23 11-0106	EA	Aluminum Posts, Formed Prefinished, Ribbed, 4" Square, 6' High, 3' Deep	34.67	6.07
10 14 23 11-0107	EA	Aluminum Posts, Formed Prefinished, Ribbed, 4" Square, 8' High, 3' Deep	40.39	6.63
10 14 23 11-0108	EA	Aluminum Posts, Formed Prefinished, Ribbed, 6" Square, 10' High, 3' Deep	44.39	7.17
10 14 23 11-0109	EA	Aluminum Posts, Formed Prefinished, Ribbed, 6" Square, 15' High, 4' Deep	53.01	7.72

10 14 29 Wall or Ground Mounted Signage *(10 14)*

Note: Includes fabrication, delivery, installation, bolts with fasteners and drilling.

10 14 29 00-0001 Illuminated Signage *(10 14 29)*

10 14 29 00-0002 Removal Of Sign Cabinets *(10 14 29 00-0001)*

10 14 29 00-0003	EA	Removal Of Sign Cabinet, 1 To 4.9 SF	322.22
10 14 29 00-0004	EA	Removal Of Sign Cabinet, 5 To 9.9 SF	386.67
10 14 29 00-0005	EA	Removal Of Sign Cabinet, 10 To 19.9 SF	515.52
10 14 29 00-0006	EA	Removal Of Sign Cabinet, 20 To 29.9 SF	773.34
10 14 29 00-0007	EA	Removal Of Sign Cabinet, >30 SF	1,031.04

10 14 29 00-0008 Fabricate And Install New Sign Cabinets *(10 14 29 00-0001)*

10 14 29 00-0009	SF	1 To 4.9 SF, Illuminated Sign Cabinet, Wall/Ground Mounted	298.93	
		For >5 To 11 Per Each Sign, Deduct	*-14.95*	
		For >11 To 20 Per Each Sign, Deduct	*-22.42*	
		For >20 Per Each Sign, Deduct	*-29.89*	
10 14 29 00-0010	SF	5 To 9.9 SF, Illuminated Sign Cabinet, Wall/Ground Mounted	248.24	
		For >5 To 11 Per Each Sign, Deduct	*-12.41*	
		For >11 To 20 Per Each Sign, Deduct	*-18.62*	
		For >20 Per Each Sign, Deduct	*-24.82*	
10 14 29 00-0011	SF	10 To 19.9 SF, Illuminated Sign Cabinet, Wall/Ground Mounted	202.65	
		For >5 To 11 Per Each Sign, Deduct	*-10.13*	
		For >11 To 20 Per Each Sign, Deduct	*-15.20*	
		For >20 Per Each Sign, Deduct	*-20.27*	
10 14 29 00-0012	SF	20 To 29.9 SF, Illuminated Sign Cabinet, Wall/Ground Mounted	182.38	
		For >5 To 11 Per Each Sign, Deduct	*-9.12*	
		For >11 To 20 Per Each Sign, Deduct	*-13.68*	
		For >20 Per Each Sign, Deduct	*-18.24*	
10 14 29 00-0013	SF	=>30 SF, Illuminated Sign Cabinet, Wall/Ground Mounted	167.18	
		For >5 To 11 Per Each Sign, Deduct	*-8.36*	
		For >11 To 20 Per Each Sign, Deduct	*-12.54*	
		For >20 Per Each Sign, Deduct	*-16.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 14 29 00-0014 Fabricate And Install New Sign Face, Material And Legend *(10 14 29 00-0001)*

10 14 29 00-0015	SF	1 To 4.9 SF, Illuminated Sign Face, Wall/Ground Mounted, Material And Legend	81.06
		For >5 To 11 Per Each Sign, Deduct	*-4.05*
		For >11 To 20 Per Each Sign, Deduct	*-6.08*
		For >20 Per Each Sign, Deduct	*-8.11*
10 14 29 00-0016	SF	5 To 9.9 SF, Illuminated Sign Face, Wall/Ground Mounted, Material And Legend	65.86
		For >5 To 11 Per Each Sign, Deduct	*-3.29*
		For >11 To 20 Per Each Sign, Deduct	*-4.94*
		For >20 Per Each Sign, Deduct	*-6.59*
10 14 29 00-0017	SF	10 To 19.9 SF, Illuminated Sign Face, Wall/Ground Mounted, Material And Legend	50.67
		For >5 To 11 Per Each Sign, Deduct	*-2.53*
		For >11 To 20 Per Each Sign, Deduct	*-3.80*
		For >20 Per Each Sign, Deduct	*-5.07*
10 14 29 00-0018	SF	20 To 29.9 SF, Illuminated Sign Face, Wall/Ground Mounted, Material And Legend	40.54
		For >5 To 11 Per Each Sign, Deduct	*-2.03*
		For >11 To 20 Per Each Sign, Deduct	*-3.04*
		For >20 Per Each Sign, Deduct	*-4.05*
10 14 29 00-0019	SF	=>30 SF, Illuminated Sign Face, Wall/Ground Mounted, Material And Legend	32.43
		For >5 To 11 Per Each Sign, Deduct	*-1.62*
		For >11 To 20 Per Each Sign, Deduct	*-2.43*
		For >20 Per Each Sign, Deduct	*-3.24*

10 14 29 00-0020 Posts *(10 14 29)*

Note: Includes mounting bolts and installation for sign blades to posts.

10 14 29 00-0021	LF	2" Square Galvanized Steel Post	25.18
		For Powder Coating, Add	*1.22*
10 14 29 00-0022	LF	2-3/8" Diameter Galvanized Steel Post	24.28
		For Powder Coating, Add	*1.15*
10 14 29 00-0023	LF	2" Diameter Recycled Plastic Lumber Post	10.29
10 14 29 00-0024	EA	Mounting On Ground With Base Note: Includes bolts and drilling for bolts.	60.43
10 14 29 00-0025	EA	Mid Post Mounted Rotating Sign With Graphics	280.12
		For >5 To 11, Deduct	*-14.01*
		For >11 To 20, Deduct	*-21.01*
		For >20, Deduct	*-28.01*

10 14 31 Overhead and Ceiling Hung Signage *(10 14)*

Note: Includes fabrication, delivery, installation, bolts with fasteners and drilling.

10 14 31 00-0001 Illuminated Signage *(10 14 31)*

10 14 31 00-0002 Removal Of Sign Cabinets *(10 14 31 00-0001)*

10 14 31 00-0003	EA	Removal Of Sign Cabinet, 1 To 4.9 SF	354.45
10 14 31 00-0004	EA	Removal Of Sign Cabinet, 5 To 9.9 SF	425.33
10 14 31 00-0005	EA	Removal Of Sign Cabinet, 10 To 19.9 SF	567.12
10 14 31 00-0006	EA	Removal Of Sign Cabinet, 20 To 29.9 SF	850.68
10 14 31 00-0007	EA	Removal Of Sign Cabinet, >30 SF	1,134.04

10 14 31 00-0008 Fabricate And Install New Sign Cabinets *(10 14 31 00-0001)*

10 14 31 00-0009	SF	1 To 4.9 SF, Illuminated Sign Cabinet, Overhead/Ceiling Hung	330.75
		For >5 To 11 Per Each Sign, Deduct	*-16.54*
		For >11 To 20 Per Each Sign, Deduct	*-24.81*
		For >20 Per Each Sign, Deduct	*-33.08*
10 14 31 00-0010	SF	5 To 9.9 SF, Illuminated Sign Cabinet, Overhead/Ceiling Hung	274.58
		For >5 To 11 Per Each Sign, Deduct	*-13.73*
		For >11 To 20 Per Each Sign, Deduct	*-20.59*
		For >20 Per Each Sign, Deduct	*-27.46*
10 14 31 00-0011	SF	10 To 19.9 SF, Illuminated Sign Cabinet, Overhead/Ceiling Hung	224.15
		For >5 To 11 Per Each Sign, Deduct	*-11.21*
		For >11 To 20 Per Each Sign, Deduct	*-16.81*
		For >20 Per Each Sign, Deduct	*-22.42*
10 14 31 00-0012	SF	20 To 29.9 SF, Illuminated Sign Cabinet, Overhead/Ceiling Hung	201.76
		For >5 To 11 Per Each Sign, Deduct	*-10.09*
		For >11 To 20 Per Each Sign, Deduct	*-15.13*
		For >20 Per Each Sign, Deduct	*-20.18*
10 14 31 00-0013	SF	=>30 SF, Illuminated Sign Cabinet, Overhead/Ceiling Hung	184.91
		For >5 To 11 Per Each Sign, Deduct	*-9.25*
		For >11 To 20 Per Each Sign, Deduct	*-13.87*
		For >20 Per Each Sign, Deduct	*-18.49*

10 14 31 00-0014 Fabricate And Install New Sign Face, Material And Legend *(10 14 31 00-0001)*

10 14 31 00-0015	SF	1 To 4.9 SF, Illuminated Sign Face, Overhead/Ceiling Hung, Material And Legend	33.08
		For >5 To 11 Per Each Sign, Deduct	*-1.65*
		For >11 To 20 Per Each Sign, Deduct	*-2.48*
		For >20 Per Each Sign, Deduct	*-3.31*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 31 00-0016	SF	5 To 9.9 SF, Illuminated Sign Face, Overhead/Ceiling Hung, Material And Legend	26.46	
		For >5 To 11 Per Each Sign, Deduct	*-1.32*	
		For >11 To 20 Per Each Sign, Deduct	*-1.98*	
		For >20 Per Each Sign, Deduct	*-2.65*	
10 14 31 00-0017	SF	10 To 19.9 SF, Illuminated Sign Face, Overhead/Ceiling Hung, Material And Legend	22.06	
		For >5 To 11 Per Each Sign, Deduct	*-1.10*	
		For >11 To 20 Per Each Sign, Deduct	*-1.65*	
		For >20 Per Each Sign, Deduct	*-2.21*	
10 14 31 00-0018	SF	20 To 29.9 SF, Illuminated Sign Face, Overhead/Ceiling Hung, Material And Legend	18.73	
		For >5 To 11 Per Each Sign, Deduct	*-0.94*	
		For >11 To 20 Per Each Sign, Deduct	*-1.40*	
		For >20 Per Each Sign, Deduct	*-1.87*	
10 14 31 00-0019	SF	=>30 SF, Illuminated Sign Face, Overhead/Ceiling Hung, Material And Legend	16.53	
		For >5 To 11 Per Each Sign, Deduct	*-0.83*	
		For >11 To 20 Per Each Sign, Deduct	*-1.24*	
		For >20 Per Each Sign, Deduct	*-1.65*	

10 14 43 Photoluminescent Signage *(10 14)*

10 14 43 00-0001 Photoluminescent Illuminated Signage *(10 14 43)*

10 14 43 00-0002	EA	4-1/2" x 8" Photoluminescent Directional Sign, Adhesive Backed Vinyl, Surface Mount	64.04	12.45
		For >25 To 50, Deduct	*-3.91*	
		For >50 To 100, Deduct	*-9.79*	
		For >100, Deduct	*-11.74*	
10 14 43 00-0003	EA	4-1/2" x 13" Photoluminescent Directional Sign, Adhesive Backed Vinyl, Surface Mount	70.41	12.45
		For >25 To 50, Deduct	*-4.55*	
		For >50 To 100, Deduct	*-11.38*	
		For >100, Deduct	*-13.65*	
10 14 43 00-0004	EA	8" x 10" Photoluminescent Directional Sign, Adhesive Backed Vinyl, Surface Mount	79.15	12.45
		For >25 To 50, Deduct	*-5.43*	
		For >50 To 100, Deduct	*-13.56*	
		For >100, Deduct	*-16.28*	

10 14 53 Traffic Signage *(10 14)*

10 14 53 11 Traffic Signage *(10 14 53)*

10 14 53 11-0001 Traffic Signs *(10 14 53 11)*

10 14 53 11-0002 Reflectorized Stop Signs And Other Traffic Signs *(10 14 53 11-0001)*

Note: Excludes posts.

10 14 53 11-0003 Aluminum Engineer Grade Stop Signs *(10 14 53 11-0002)*

10 14 53 11-0004	EA	18" x 18" Aluminum Engineer Grade Stop Sign	75.72	22.41
		For Hi-Intensity Grade, Add	*9.27*	
		For Diamond Grade, Add	*17.61*	
		For > 25 To 50, Deduct	*-2.24*	
		For > 50 To 150, Deduct	*-4.13*	
		For > 150 To 250, Deduct	*-6.03*	
		For > 250, Deduct	*-9.04*	
10 14 53 11-0005	EA	18" x 24" Aluminum Engineer Grade Stop Sign	87.72	23.70
		For Hi-Intensity Grade, Add	*12.12*	
		For Diamond Grade, Add	*23.03*	
		For > 25 To 50, Deduct	*-2.37*	
		For > 50 To 150, Deduct	*-4.56*	
		For > 150 To 250, Deduct	*-6.75*	
		For > 250, Deduct	*-10.13*	
10 14 53 11-0006	EA	24" x 24" Aluminum Engineer Grade Stop Sign	94.97	24.90
		For Hi-Intensity Grade, Add	*18.52*	
		For Diamond Grade, Add	*29.35*	
		For > 25 To 50, Deduct	*-2.49*	
		For > 50 To 150, Deduct	*-4.86*	
		For > 150 To 250, Deduct	*-7.24*	
		For > 250, Deduct	*-10.86*	
10 14 53 11-0007	EA	30" x 30" Aluminum Engineer Grade Stop Sign	110.14	26.19
		For Hi-Intensity Grade, Add	*6.94*	
		For Diamond Grade, Add	*37.60*	
		For > 25 To 50, Deduct	*-2.62*	
		For > 50 To 150, Deduct	*-5.37*	
		For > 150 To 250, Deduct	*-8.12*	
		For > 250, Deduct	*-12.18*	
10 14 53 11-0008	EA	36" x 36" Aluminum Engineer Grade Stop Sign	147.48	27.40
		For Hi-Intensity Grade, Add	*20.39*	
		For Diamond Grade, Add	*63.96*	
		For > 25 To 50, Deduct	*-2.74*	
		For > 50 To 150, Deduct	*-6.43*	
		For > 150 To 250, Deduct	*-10.11*	
		For > 250, Deduct	*-15.17*	

10 14 53 11-0009 Steel Engineer Grade Stop Signs *(10 14 53 11-0002)*

10 14 53 11-0010	EA	18" x 18" Reflective Steel Stop Sign, Engineering Grade	110.35	22.41
10 14 53 11-0011	EA	18" x 24" Reflective Steel Stop Sign, Engineering Grade	136.58	23.70
10 14 53 11-0012	EA	24" x 24" Reflective Steel Stop Sign, Engineering Grade	144.87	24.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0013	EA	30" x 30" Reflective Steel Stop Sign, Engineering Grade	203.52	26.19
10 14 53 11-0014	EA	36" x 36" Reflective Steel Stop Sign, Engineering Grade	256.44	27.40
10 14 53 11-0015		**Polyethylene Engineer Grade Stop Signs** *(10 14 53 11-0002)*		
10 14 53 11-0016	EA	18" x 18" Reflective Polyethylene Stop Sign, Engineering Grade	112.78	22.41
10 14 53 11-0017	EA	18" x 24" Reflective Polyethylene Stop Sign, Engineering Grade	142.80	23.70
10 14 53 11-0018	EA	24" x 24" Reflective Polyethylene Stop Sign, Engineering Grade	157.11	24.90
10 14 53 11-0019	EA	30" x 30" Reflective Polyethylene Stop Sign, Engineering Grade	204.09	26.19
10 14 53 11-0020		**Other Reflectorized Traffic Signs** *(10 14 53 11-0002)* Note: Other traffic signs includes reserve, handicap, visitor, no parking, property, speed limit, tow away, ADA, parking time limit, parking exclusive area, school, traffic/caution, etc. Excludes posts.		
10 14 53 11-0021		**Aluminum Engineer Grade Traffic Signs** *(10 14 53 11-0020)*		
10 14 53 11-0022	EA	6" x 12" Aluminum Engineer Grade Traffic Sign	47.50	19.92
		For Hi-Intensity Grade, Add	*2.30*	
		For Diamond Grade, Add	*4.36*	
		For > 25 To 50, Deduct	*-1.99*	
		For > 50 To 150, Deduct	*-3.18*	
		For > 150 To 250, Deduct	*-4.37*	
		For > 250, Deduct	*-6.55*	
10 14 53 11-0023	EA	6" x 18" Aluminum Engineer Grade Traffic Sign	51.33	19.92
		For Hi-Intensity Grade, Add	*3.44*	
		For Diamond Grade, Add	*6.54*	
		For > 25 To 50, Deduct	*-1.99*	
		For > 50 To 150, Deduct	*-3.28*	
		For > 150 To 250, Deduct	*-4.56*	
		For > 250, Deduct	*-6.84*	
10 14 53 11-0024	EA	9" x 12" Aluminum Engineer Grade Traffic Sign	51.33	19.92
		For Hi-Intensity Grade, Add	*3.44*	
		For Diamond Grade, Add	*6.54*	
		For > 25 To 50, Deduct	*-1.99*	
		For > 50 To 150, Deduct	*-3.28*	
		For > 150 To 250, Deduct	*-4.56*	
		For > 250, Deduct	*-6.84*	
10 14 53 11-0025	EA	9" x 15" Aluminum Engineer Grade Traffic Sign	54.20	19.92
		For Hi-Intensity Grade, Add	*4.31*	
		For Diamond Grade, Add	*8.18*	
		For > 25 To 50, Deduct	*-1.99*	
		For > 50 To 150, Deduct	*-3.35*	
		For > 150 To 250, Deduct	*-4.70*	
		For > 250, Deduct	*-7.05*	
10 14 53 11-0026	EA	9" x 18" Aluminum Engineer Grade Traffic Sign	57.07	19.92
		For Hi-Intensity Grade, Add	*5.17*	
		For Diamond Grade, Add	*9.82*	
		For > 25 To 50, Deduct	*-1.99*	
		For > 50 To 150, Deduct	*-3.42*	
		For > 150 To 250, Deduct	*-4.85*	
		For > 250, Deduct	*-7.27*	
10 14 53 11-0027	EA	9" x 24" Aluminum Engineer Grade Traffic Sign	65.29	21.17
		For Hi-Intensity Grade, Add	*6.89*	
		For Diamond Grade, Add	*13.09*	
		For > 25 To 50, Deduct	*-2.12*	
		For > 50 To 150, Deduct	*-3.75*	
		For > 150 To 250, Deduct	*-5.38*	
		For > 250, Deduct	*-8.07*	
10 14 53 11-0028	EA	9" x 48" Aluminum Engineer Grade Traffic Sign	88.26	21.17
		For Hi-Intensity Grade, Add	*13.78*	
		For Diamond Grade, Add	*26.18*	
		For > 25 To 50, Deduct	*-2.12*	
		For > 50 To 150, Deduct	*-4.32*	
		For > 150 To 250, Deduct	*-6.53*	
		For > 250, Deduct	*-9.79*	
10 14 53 11-0029	EA	12" x 12" Aluminum Engineer Grade Traffic Sign	55.16	19.92
		For Hi-Intensity Grade, Add	*4.59*	
		For Diamond Grade, Add	*8.73*	
		For > 25 To 50, Deduct	*-1.99*	
		For > 50 To 150, Deduct	*-3.37*	
		For > 150 To 250, Deduct	*-4.75*	
		For > 250, Deduct	*-7.13*	
10 14 53 11-0030	EA	12" x 18" Aluminum Engineer Grade Traffic Sign	65.29	21.17
		For Hi-Intensity Grade, Add	*6.89*	
		For Diamond Grade, Add	*13.09*	
		For > 25 To 50, Deduct	*-2.12*	
		For > 50 To 150, Deduct	*-3.75*	
		For > 150 To 250, Deduct	*-5.38*	
		For > 250, Deduct	*-8.07*	
10 14 53 11-0031	EA	12" x 24" Aluminum Engineer Grade Traffic Sign	72.95	21.17
		For Hi-Intensity Grade, Add	*9.19*	
		For Diamond Grade, Add	*17.45*	
		For > 25 To 50, Deduct	*-2.12*	
		For > 50 To 150, Deduct	*-3.94*	
		For > 150 To 250, Deduct	*-5.76*	
		For > 250, Deduct	*-8.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0032	EA	12" x 30" Aluminum Engineer Grade Traffic Sign	80.60	21.17
		For Hi-Intensity Grade, Add	*11.48*	
		For Diamond Grade, Add	*21.81*	
		For > 25 To 50, Deduct	*-2.12*	
		For > 50 To 150, Deduct	*-4.13*	
		For > 150 To 250, Deduct	*-6.15*	
		For > 250, Deduct	*-9.22*	
10 14 53 11-0033	EA	12" x 36" Aluminum Engineer Grade Traffic Sign	88.26	21.17
		For Hi-Intensity Grade, Add	*13.78*	
		For Diamond Grade, Add	*26.18*	
		For > 25 To 50, Deduct	*-2.12*	
		For > 50 To 150, Deduct	*-4.32*	
		For > 150 To 250, Deduct	*-6.53*	
		For > 250, Deduct	*-9.79*	
10 14 53 11-0034	EA	17" x 22" Aluminum Engineer Grade Traffic Sign	82.09	21.17
		For Hi-Intensity Grade, Add	*11.93*	
		For Diamond Grade, Add	*22.66*	
		For > 25 To 50, Deduct	*-2.12*	
		For > 50 To 150, Deduct	*-4.17*	
		For > 150 To 250, Deduct	*-6.22*	
		For > 250, Deduct	*-9.33*	
10 14 53 11-0035	EA	18" x 18" Aluminum Engineer Grade Traffic Sign	76.77	21.17
		For Hi-Intensity Grade, Add	*10.33*	
		For Diamond Grade, Add	*19.63*	
		For > 25 To 50, Deduct	*-2.12*	
		For > 50 To 150, Deduct	*-4.04*	
		For > 150 To 250, Deduct	*-5.96*	
		For > 250, Deduct	*-8.93*	
10 14 53 11-0036	EA	18" x 24" Aluminum Engineer Grade Traffic Sign	88.26	21.17
		For Hi-Intensity Grade, Add	*13.78*	
		For Diamond Grade, Add	*26.18*	
		For > 25 To 50, Deduct	*-2.12*	
		For > 50 To 150, Deduct	*-4.32*	
		For > 150 To 250, Deduct	*-6.53*	
		For > 250, Deduct	*-9.79*	
10 14 53 11-0037	EA	18" x 30" Aluminum Engineer Grade Traffic Sign	102.23	22.41
		For Hi-Intensity Grade, Add	*17.22*	
		For Diamond Grade, Add	*32.72*	
		For > 25 To 50, Deduct	*-2.24*	
		For > 50 To 150, Deduct	*-4.80*	
		For > 150 To 250, Deduct	*-7.35*	
		For > 250, Deduct	*-11.03*	
10 14 53 11-0038	EA	18" x 36" Aluminum Engineer Grade Traffic Sign	113.71	22.41
		For Hi-Intensity Grade, Add	*20.67*	
		For Diamond Grade, Add	*39.27*	
		For > 25 To 50, Deduct	*-2.24*	
		For > 50 To 150, Deduct	*-5.08*	
		For > 150 To 250, Deduct	*-7.93*	
		For > 250, Deduct	*-11.89*	
10 14 53 11-0039	EA	18" x 48" Aluminum Engineer Grade Traffic Sign	146.63	27.40
		For Hi-Intensity Grade, Add	*27.56*	
		For Diamond Grade, Add	*52.35*	
10 14 53 11-0040	EA	18" x 54" Aluminum Engineer Grade Traffic Sign	158.11	27.40
		For Hi-Intensity Grade, Add	*31.00*	
		For Diamond Grade, Add	*58.90*	
		For > 25 To 50, Deduct	*-2.74*	
		For > 50 To 150, Deduct	*-6.69*	
		For > 150 To 250, Deduct	*-10.64*	
		For > 250, Deduct	*-15.97*	
10 14 53 11-0041	EA	24" x 24" Aluminum Engineer Grade Traffic Sign	106.05	22.41
		For Hi-Intensity Grade, Add	*18.37*	
		For Diamond Grade, Add	*34.90*	
		For > 25 To 50, Deduct	*-2.24*	
		For > 50 To 150, Deduct	*-4.89*	
		For > 150 To 250, Deduct	*-7.54*	
		For > 250, Deduct	*-11.32*	
10 14 53 11-0042	EA	24" x 30" Aluminum Engineer Grade Traffic Sign	121.36	22.41
		For Hi-Intensity Grade, Add	*22.96*	
		For Diamond Grade, Add	*43.63*	
		For > 25 To 50, Deduct	*-2.24*	
		For > 50 To 150, Deduct	*-5.28*	
		For > 150 To 250, Deduct	*-8.31*	
		For > 250, Deduct	*-12.46*	
10 14 53 11-0043	EA	24" x 36" Aluminum Engineer Grade Traffic Sign	136.67	22.41
		For Hi-Intensity Grade, Add	*27.56*	
		For Diamond Grade, Add	*52.35*	
		For > 25 To 50, Deduct	*-2.24*	
		For > 50 To 150, Deduct	*-5.66*	
		For > 150 To 250, Deduct	*-9.07*	
		For > 250, Deduct	*-13.61*	
10 14 53 11-0044	EA	24" x 42" Aluminum Engineer Grade Traffic Sign	161.94	27.40
		For Hi-Intensity Grade, Add	*32.15*	
		For Diamond Grade, Add	*61.08*	
		For > 25 To 50, Deduct	*-2.74*	
		For > 50 To 150, Deduct	*-6.79*	
		For > 150 To 250, Deduct	*-10.84*	
		For > 250, Deduct	*-16.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0045	EA	24" x 48" Aluminum Engineer Grade Traffic Sign	177.25	27.40
		For Hi-Intensity Grade, Add	*36.74*	
		For Diamond Grade, Add	*69.81*	
		For > 25 To 50, Deduct	*-2.74*	
		For > 50 To 150, Deduct	*-7.17*	
		For > 150 To 250, Deduct	*-11.60*	
		For > 250, Deduct	*-17.40*	
10 14 53 11-0046	EA	24" x 54" Aluminum Engineer Grade Traffic Sign	192.56	27.40
		For Hi-Intensity Grade, Add	*41.33*	
		For Diamond Grade, Add	*78.53*	
		For > 25 To 50, Deduct	*-2.74*	
		For > 50 To 150, Deduct	*-7.55*	
		For > 150 To 250, Deduct	*-12.37*	
		For > 250, Deduct	*-18.55*	
10 14 53 11-0047	EA	24" x 60" Aluminum Engineer Grade Traffic Sign	207.86	27.40
		For Hi-Intensity Grade, Add	*45.92*	
		For Diamond Grade, Add	*87.26*	
10 14 53 11-0048	EA	30" x 30" Aluminum Engineer Grade Traffic Sign	140.50	22.41
		For Hi-Intensity Grade, Add	*28.70*	
		For Diamond Grade, Add	*54.54*	
		For > 25 To 50, Deduct	*-2.24*	
		For > 50 To 150, Deduct	*-5.75*	
		For > 150 To 250, Deduct	*-9.27*	
		For > 250, Deduct	*-13.90*	
10 14 53 11-0049	EA	30" x 36" Aluminum Engineer Grade Traffic Sign	169.59	27.40
		For Hi-Intensity Grade, Add	*34.44*	
		For Diamond Grade, Add	*65.44*	
		For > 25 To 50, Deduct	*-2.74*	
		For > 50 To 150, Deduct	*-6.98*	
		For > 150 To 250, Deduct	*-11.22*	
		For > 250, Deduct	*-16.83*	
10 14 53 11-0050	EA	30" x 42" Aluminum Engineer Grade Traffic Sign	188.73	27.40
		For Hi-Intensity Grade, Add	*40.19*	
		For Diamond Grade, Add	*76.35*	
		For > 25 To 50, Deduct	*-2.74*	
		For > 50 To 150, Deduct	*-7.46*	
		For > 150 To 250, Deduct	*-12.18*	
		For > 250, Deduct	*-18.26*	
10 14 53 11-0051	EA	30" x 48" Aluminum Engineer Grade Traffic Sign	217.82	32.37
		For Hi-Intensity Grade, Add	*45.92*	
		For Diamond Grade, Add	*87.26*	
		For > 25 To 50, Deduct	*-3.24*	
		For > 50 To 150, Deduct	*-8.68*	
		For > 150 To 250, Deduct	*-14.13*	
		For > 250, Deduct	*-21.19*	
10 14 53 11-0052	EA	30" x 60" Aluminum Engineer Grade Traffic Sign	266.07	37.35
		For Hi-Intensity Grade, Add	*57.41*	
		For Diamond Grade, Add	*109.08*	
		For > 25 To 50, Deduct	*-3.74*	
		For > 50 To 150, Deduct	*-10.39*	
		For > 150 To 250, Deduct	*-17.04*	
		For > 250, Deduct	*-25.56*	
10 14 53 11-0053	EA	36" x 36" Aluminum Engineer Grade Traffic Sign	192.56	27.40
		For Hi-Intensity Grade, Add	*41.33*	
		For Diamond Grade, Add	*78.53*	
		For > 25 To 50, Deduct	*-2.74*	
		For > 50 To 150, Deduct	*-7.55*	
		For > 150 To 250, Deduct	*-12.37*	
		For > 250, Deduct	*-18.55*	
10 14 53 11-0054	EA	36" x 42" Aluminum Engineer Grade Traffic Sign	225.48	32.37
		For Hi-Intensity Grade, Add	*48.22*	
		For Diamond Grade, Add	*91.62*	
		For > 25 To 50, Deduct	*-3.24*	
		For > 50 To 150, Deduct	*-8.87*	
		For > 150 To 250, Deduct	*-14.51*	
		For > 250, Deduct	*-21.77*	
10 14 53 11-0055	EA	36" x 48" Aluminum Engineer Grade Traffic Sign	258.41	37.35
		For Hi-Intensity Grade, Add	*55.11*	
		For Diamond Grade, Add	*104.71*	
		For > 25 To 50, Deduct	*-3.74*	
		For > 50 To 150, Deduct	*-10.20*	
		For > 150 To 250, Deduct	*-16.66*	
		For > 250, Deduct	*-24.98*	
10 14 53 11-0056	EA	36" x 54" Aluminum Engineer Grade Traffic Sign	281.37	37.35
		For Hi-Intensity Grade, Add	*62.00*	
		For Diamond Grade, Add	*117.80*	
		For > 25 To 50, Deduct	*-3.74*	
		For > 50 To 150, Deduct	*-10.77*	
		For > 150 To 250, Deduct	*-17.80*	
		For > 250, Deduct	*-26.71*	
10 14 53 11-0057	EA	36" x 60" Aluminum Engineer Grade Traffic Sign	314.30	42.33
		For Hi-Intensity Grade, Add	*68.89*	
		For Diamond Grade, Add	*130.89*	
		For > 25 To 50, Deduct	*-4.23*	
		For > 50 To 150, Deduct	*-12.09*	
		For > 150 To 250, Deduct	*-19.95*	
		For > 250, Deduct	*-29.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0058	EA	36" x 73" Aluminum Engineer Grade Traffic Sign	374.01	47.31
		For Hi-Intensity Grade, Add	*83.81*	
		For Diamond Grade, Add	*159.25*	
		For > 25 To 50, Deduct	*-4.73*	
		For > 50 To 150, Deduct	*-14.08*	
		For > 150 To 250, Deduct	*-23.43*	
		For > 250, Deduct	*-35.15*	
10 14 53 11-0059	EA	36" x 78" Aluminum Engineer Grade Traffic Sign	393.15	47.31
		For Hi-Intensity Grade, Add	*89.56*	
		For Diamond Grade, Add	*170.16*	
		For > 25 To 50, Deduct	*-4.73*	
		For > 50 To 150, Deduct	*-14.56*	
		For > 150 To 250, Deduct	*-24.39*	
		For > 250, Deduct	*-36.58*	
10 14 53 11-0060	EA	36" x 108" Aluminum Engineer Grade Traffic Sign	522.90	54.78
		For Hi-Intensity Grade, Add	*124.00*	
		For Diamond Grade, Add	*235.60*	
		For > 25 To 50, Deduct	*-5.48*	
		For > 50 To 150, Deduct	*-18.55*	
		For > 150 To 250, Deduct	*-31.62*	
		For > 250, Deduct	*-47.44*	
10 14 53 11-0061	EA	42" x 42" Aluminum Engineer Grade Traffic Sign	262.24	37.35
		For Hi-Intensity Grade, Add	*56.26*	
		For Diamond Grade, Add	*106.89*	
		For > 25 To 50, Deduct	*-3.74*	
		For > 50 To 150, Deduct	*-10.29*	
		For > 150 To 250, Deduct	*-16.85*	
		For > 250, Deduct	*-25.27*	
10 14 53 11-0062	EA	48" x 48" Aluminum Engineer Grade Traffic Sign	329.61	42.33
		For Hi-Intensity Grade, Add	*73.48*	
		For Diamond Grade, Add	*139.62*	
		For > 25 To 50, Deduct	*-4.23*	
		For > 50 To 150, Deduct	*-12.47*	
		For > 150 To 250, Deduct	*-20.71*	
		For > 250, Deduct	*-31.07*	
10 14 53 11-0063	EA	48" x 54" Aluminum Engineer Grade Traffic Sign	370.18	47.31
		For Hi-Intensity Grade, Add	*82.67*	
		For Diamond Grade, Add	*157.06*	
		For > 25 To 50, Deduct	*-4.73*	
		For > 50 To 150, Deduct	*-13.99*	
		For > 150 To 250, Deduct	*-23.24*	
		For > 250, Deduct	*-34.86*	
10 14 53 11-0064	EA	48" x 60" Aluminum Engineer Grade Traffic Sign	400.80	47.31
		For Hi-Intensity Grade, Add	*91.85*	
		For Diamond Grade, Add	*174.52*	
		For > 25 To 50, Deduct	*-4.73*	
		For > 50 To 150, Deduct	*-14.75*	
		For > 150 To 250, Deduct	*-24.77*	
		For > 250, Deduct	*-37.16*	
10 14 53 11-0065	EA	48" x 66" Aluminum Engineer Grade Traffic Sign	446.36	54.78
		For Hi-Intensity Grade, Add	*101.04*	
		For Diamond Grade, Add	*191.97*	
		For > 25 To 50, Deduct	*-5.48*	
		For > 50 To 150, Deduct	*-16.64*	
		For > 150 To 250, Deduct	*-27.80*	
		For > 250, Deduct	*-41.69*	
10 14 53 11-0066	EA	48" x 72" Aluminum Engineer Grade Traffic Sign	476.97	54.78
		For Hi-Intensity Grade, Add	*110.22*	
		For Diamond Grade, Add	*209.42*	
		For > 25 To 50, Deduct	*-5.48*	
		For > 50 To 150, Deduct	*-17.40*	
		For > 150 To 250, Deduct	*-29.33*	
		For > 250, Deduct	*-43.99*	
10 14 53 11-0067	EA	48" x 84" Aluminum Engineer Grade Traffic Sign	548.17	59.77
		For Hi-Intensity Grade, Add	*128.59*	
		For Diamond Grade, Add	*244.32*	
		For > 25 To 50, Deduct	*-5.98*	
		For > 50 To 150, Deduct	*-19.68*	
		For > 150 To 250, Deduct	*-33.39*	
		For > 250, Deduct	*-50.08*	
10 14 53 11-0068	EA	48" x 96" Aluminum Engineer Grade Traffic Sign	609.40	59.77
		For Hi-Intensity Grade, Add	*146.96*	
		For Diamond Grade, Add	*279.23*	
		For > 25 To 50, Deduct	*-5.98*	
		For > 50 To 150, Deduct	*-21.21*	
		For > 150 To 250, Deduct	*-36.45*	
		For > 250, Deduct	*-54.67*	
10 14 53 11-0069	EA	48" x 102" Aluminum Engineer Grade Traffic Sign	640.02	59.77
		For Hi-Intensity Grade, Add	*156.15*	
		For Diamond Grade, Add	*296.68*	
		For > 25 To 50, Deduct	*-5.98*	
		For > 50 To 150, Deduct	*-21.98*	
		For > 150 To 250, Deduct	*-37.98*	
		For > 250, Deduct	*-56.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0070	EA	48" x 108" Aluminum Engineer Grade Traffic Sign	675.62	62.26
		For Hi-Intensity Grade, Add	*165.33*	
		For Diamond Grade, Add	*314.13*	
		For > 25 To 50, Deduct	*-6.23*	
		For > 50 To 150, Deduct	*-23.12*	
		For > 150 To 250, Deduct	*-40.01*	
		For > 250, Deduct	*-60.01*	
10 14 53 11-0071	EA	60" x 72" Aluminum Engineer Grade Traffic Sign	578.78	59.77
		For Hi-Intensity Grade, Add	*137.78*	
		For Diamond Grade, Add	*261.77*	
		For > 25 To 50, Deduct	*-5.98*	
		For > 50 To 150, Deduct	*-20.45*	
		For > 150 To 250, Deduct	*-34.92*	
		For > 250, Deduct	*-52.37*	
10 14 53 11-0072	EA	72" x 144" Aluminum Engineer Grade Traffic Sign	1,261.58	79.68
		For Hi-Intensity Grade, Add	*330.66*	
		For Diamond Grade, Add	*628.26*	
10 14 53 11-0073	EA	78" x 96" Aluminum Engineer Grade Traffic Sign	920.55	62.26
		For Hi-Intensity Grade, Add	*238.81*	
		For Diamond Grade, Add	*453.74*	
		For > 25 To 50, Deduct	*-6.23*	
		For > 50 To 150, Deduct	*-29.24*	
		For > 150 To 250, Deduct	*-52.25*	
		For > 250, Deduct	*-78.38*	

10 14 53 11-0074 Polyethylene Engineer Grade Traffic Signs *(10 14 53 11-0020)*

10 14 53 11-0075	EA	6" x 12" Reflective Polyethylene Traffic Sign	79.83	18.73
10 14 53 11-0076	EA	12" x 12" Reflective Polyethylene Traffic Sign	90.54	19.92
10 14 53 11-0077	EA	12" x 18" Reflective Polyethylene Traffic Sign	96.90	21.22
10 14 53 11-0078	EA	18" x 18" Reflective Polyethylene Traffic Sign	116.38	22.41
10 14 53 11-0079	EA	18" x 24" Reflective Polyethylene Traffic Sign	142.80	23.70
10 14 53 11-0080	EA	24" x 24" Reflective Polyethylene Traffic Sign	160.25	23.70

10 14 53 11-0081 Non-Reflectorized Traffic Signs *(10 14 53 11-0001)*

Note: Includes reserved parking, handicap parking, visitor parking, no parking, tow away zones, etc. Excludes posts.

10 14 53 11-0082 Steel Non-Reflectorized Traffic Signs *(10 14 53 11-0081)*

10 14 53 11-0083	EA	6" x 12" Steel Non-Reflectorized Traffic Sign	45.89	19.92
		For > 25 To 50, Deduct	*-1.99*	
		For > 50 To 150, Deduct	*-3.14*	
		For > 150 To 250, Deduct	*-4.29*	
		For > 250, Deduct	*-6.43*	
10 14 53 11-0084	EA	6" x 18" Steel Non-Reflectorized Traffic Sign	48.91	19.92
		For > 25 To 50, Deduct	*-1.99*	
		For > 50 To 150, Deduct	*-3.22*	
		For > 150 To 250, Deduct	*-4.44*	
		For > 250, Deduct	*-6.66*	
10 14 53 11-0085	EA	9" x 12" Steel Non-Reflectorized Traffic Sign	48.91	19.92
		For > 25 To 50, Deduct	*-1.99*	
		For > 50 To 150, Deduct	*-3.22*	
		For > 150 To 250, Deduct	*-4.44*	
		For > 250, Deduct	*-6.66*	
10 14 53 11-0086	EA	9" x 15" Steel Non-Reflectorized Traffic Sign	51.18	19.92
		For > 25 To 50, Deduct	*-1.99*	
		For > 50 To 150, Deduct	*-3.27*	
		For > 150 To 250, Deduct	*-4.55*	
		For > 250, Deduct	*-6.83*	
10 14 53 11-0087	EA	9" x 18" Steel Non-Reflectorized Traffic Sign	53.44	19.92
		For > 25 To 50, Deduct	*-1.99*	
		For > 50 To 150, Deduct	*-3.33*	
		For > 150 To 250, Deduct	*-4.66*	
		For > 250, Deduct	*-7.00*	
10 14 53 11-0088	EA	9" x 24" Steel Non-Reflectorized Traffic Sign	60.45	21.17
		For > 25 To 50, Deduct	*-2.12*	
		For > 50 To 150, Deduct	*-3.63*	
		For > 150 To 250, Deduct	*-5.14*	
		For > 250, Deduct	*-7.71*	
10 14 53 11-0089	EA	9" x 48" Steel Non-Reflectorized Traffic Sign	78.57	21.17
		For > 25 To 50, Deduct	*-2.12*	
		For > 50 To 150, Deduct	*-4.08*	
		For > 150 To 250, Deduct	*-6.05*	
		For > 250, Deduct	*-9.07*	
10 14 53 11-0090	EA	12" x 12" Steel Non-Reflectorized Traffic Sign	51.93	19.92
		For > 25 To 50, Deduct	*-1.99*	
		For > 50 To 150, Deduct	*-3.29*	
		For > 150 To 250, Deduct	*-4.59*	
		For > 250, Deduct	*-6.88*	
10 14 53 11-0091	EA	12" x 18" Steel Non-Reflectorized Traffic Sign	60.45	21.17
		For > 25 To 50, Deduct	*-2.12*	
		For > 50 To 150, Deduct	*-3.63*	
		For > 150 To 250, Deduct	*-5.14*	
		For > 250, Deduct	*-7.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0092	EA	12" x 24" Steel Non-Reflectorized Traffic Sign	66.49	21.17
		For > 25 To 50, Deduct	*-2.12*	
		For > 50 To 150, Deduct	*-3.78*	
		For > 150 To 250, Deduct	*-5.44*	
		For > 250, Deduct	*-8.16*	
10 14 53 11-0093	EA	12" x 30" Steel Non-Reflectorized Traffic Sign	72.53	21.17
		For > 25 To 50, Deduct	*-2.12*	
		For > 50 To 150, Deduct	*-3.93*	
		For > 150 To 250, Deduct	*-5.74*	
		For > 250, Deduct	*-8.61*	
10 14 53 11-0094	EA	12" x 36" Steel Non-Reflectorized Traffic Sign	78.57	21.17
		For > 25 To 50, Deduct	*-2.12*	
		For > 50 To 150, Deduct	*-4.08*	
		For > 150 To 250, Deduct	*-6.05*	
		For > 250, Deduct	*-9.07*	
10 14 53 11-0095	EA	18" x 18" Steel Non-Reflectorized Traffic Sign	69.51	21.17
		For > 25 To 50, Deduct	*-2.12*	
		For > 50 To 150, Deduct	*-3.85*	
		For > 150 To 250, Deduct	*-5.59*	
		For > 250, Deduct	*-8.39*	
10 14 53 11-0096	EA	18" x 24" Steel Non-Reflectorized Traffic Sign	78.57	21.17
		For > 25 To 50, Deduct	*-2.12*	
		For > 50 To 150, Deduct	*-4.08*	
		For > 150 To 250, Deduct	*-6.05*	
		For > 250, Deduct	*-9.07*	
10 14 53 11-0097	EA	18" x 30" Steel Non-Reflectorized Traffic Sign	90.12	22.41
		For > 25 To 50, Deduct	*-2.24*	
		For > 50 To 150, Deduct	*-4.49*	
		For > 150 To 250, Deduct	*-6.75*	
		For > 250, Deduct	*-10.12*	
10 14 53 11-0098	EA	18" x 36" Steel Non-Reflectorized Traffic Sign	99.19	22.41
		For > 25 To 50, Deduct	*-2.24*	
		For > 50 To 150, Deduct	*-4.72*	
		For > 150 To 250, Deduct	*-7.20*	
		For > 250, Deduct	*-10.80*	
10 14 53 11-0099	EA	18" x 48" Steel Non-Reflectorized Traffic Sign	127.27	27.40
10 14 53 11-0100	EA	18" x 54" Steel Non-Reflectorized Traffic Sign	136.33	27.40
		For > 25 To 50, Deduct	*-2.74*	
		For > 50 To 150, Deduct	*-6.15*	
		For > 150 To 250, Deduct	*-9.56*	
		For > 250, Deduct	*-14.33*	
10 14 53 11-0101	EA	24" x 24" Steel Non-Reflectorized Traffic Sign	93.14	22.41
		For > 25 To 50, Deduct	*-2.24*	
		For > 50 To 150, Deduct	*-4.57*	
		For > 150 To 250, Deduct	*-6.90*	
		For > 250, Deduct	*-10.35*	
10 14 53 11-0102	EA	24" x 30" Steel Non-Reflectorized Traffic Sign	105.23	22.41
		For > 25 To 50, Deduct	*-2.24*	
		For > 50 To 150, Deduct	*-4.87*	
		For > 150 To 250, Deduct	*-7.50*	
		For > 250, Deduct	*-11.25*	
10 14 53 11-0103	EA	24" x 36" Steel Non-Reflectorized Traffic Sign	117.31	22.41
		For > 25 To 50, Deduct	*-2.24*	
		For > 50 To 150, Deduct	*-5.17*	
		For > 150 To 250, Deduct	*-8.11*	
		For > 250, Deduct	*-12.16*	
10 14 53 11-0104	EA	24" x 42" Steel Non-Reflectorized Traffic Sign	139.35	27.40
		For > 25 To 50, Deduct	*-2.74*	
		For > 50 To 150, Deduct	*-6.22*	
		For > 150 To 250, Deduct	*-9.71*	
		For > 250, Deduct	*-14.56*	
10 14 53 11-0105	EA	24" x 48" Steel Non-Reflectorized Traffic Sign	151.43	27.40
		For > 25 To 50, Deduct	*-2.74*	
		For > 50 To 150, Deduct	*-6.52*	
		For > 150 To 250, Deduct	*-10.31*	
		For > 250, Deduct	*-15.47*	
10 14 53 11-0106	EA	24" x 54" Steel Non-Reflectorized Traffic Sign	163.51	27.40
		For > 25 To 50, Deduct	*-2.74*	
		For > 50 To 150, Deduct	*-6.83*	
		For > 150 To 250, Deduct	*-10.91*	
		For > 250, Deduct	*-16.37*	
10 14 53 11-0107	EA	24" x 60" Steel Non-Reflectorized Traffic Sign	175.59	27.40
10 14 53 11-0108	EA	30" x 30" Steel Non-Reflectorized Traffic Sign	120.33	22.41
		For > 25 To 50, Deduct	*-2.24*	
		For > 50 To 150, Deduct	*-5.25*	
		For > 150 To 250, Deduct	*-8.26*	
		For > 250, Deduct	*-12.39*	
10 14 53 11-0109	EA	30" x 36" Steel Non-Reflectorized Traffic Sign	145.39	27.40
		For > 25 To 50, Deduct	*-2.74*	
		For > 50 To 150, Deduct	*-6.37*	
		For > 150 To 250, Deduct	*-10.01*	
		For > 250, Deduct	*-15.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0110	EA	30" x 42" Steel Non-Reflectorized Traffic Sign	160.49	27.40
		For > 25 To 50, Deduct	*-2.74*	
		For > 50 To 150, Deduct	*-6.75*	
		For > 150 To 250, Deduct	*-10.76*	
		For > 250, Deduct	*-16.15*	
10 14 53 11-0111	EA	30" x 48" Steel Non-Reflectorized Traffic Sign	185.55	32.37
		For > 25 To 50, Deduct	*-3.24*	
		For > 50 To 150, Deduct	*-7.88*	
		For > 150 To 250, Deduct	*-12.51*	
		For > 250, Deduct	*-18.77*	
10 14 53 11-0112	EA	30" x 60" Steel Non-Reflectorized Traffic Sign	225.72	37.35
		For > 25 To 50, Deduct	*-3.74*	
		For > 50 To 150, Deduct	*-9.38*	
		For > 150 To 250, Deduct	*-15.02*	
		For > 250, Deduct	*-22.53*	
10 14 53 11-0113	EA	36" x 36" Steel Non-Reflectorized Traffic Sign	163.51	27.40
		For > 25 To 50, Deduct	*-2.74*	
		For > 50 To 150, Deduct	*-6.83*	
		For > 150 To 250, Deduct	*-10.91*	
		For > 250, Deduct	*-16.37*	
10 14 53 11-0114	EA	36" x 42" Steel Non-Reflectorized Traffic Sign	191.59	32.37
		For > 25 To 50, Deduct	*-3.24*	
		For > 50 To 150, Deduct	*-8.03*	
		For > 150 To 250, Deduct	*-12.82*	
		For > 250, Deduct	*-19.22*	
10 14 53 11-0115	EA	36" x 48" Steel Non-Reflectorized Traffic Sign	219.68	37.35
		For > 25 To 50, Deduct	*-3.74*	
		For > 50 To 150, Deduct	*-9.23*	
		For > 150 To 250, Deduct	*-14.72*	
		For > 250, Deduct	*-22.08*	
10 14 53 11-0116	EA	36" x 54" Steel Non-Reflectorized Traffic Sign	237.81	37.35
		For > 25 To 50, Deduct	*-3.74*	
		For > 50 To 150, Deduct	*-9.68*	
		For > 150 To 250, Deduct	*-15.63*	
		For > 250, Deduct	*-23.44*	
10 14 53 11-0117	EA	36" x 60" Steel Non-Reflectorized Traffic Sign	265.89	42.33
		For > 25 To 50, Deduct	*-4.23*	
		For > 50 To 150, Deduct	*-10.88*	
		For > 150 To 250, Deduct	*-17.53*	
		For > 250, Deduct	*-26.29*	
10 14 53 11-0118	EA	36" x 73" Steel Non-Reflectorized Traffic Sign	315.11	47.31
		For > 25 To 50, Deduct	*-4.73*	
		For > 50 To 150, Deduct	*-12.61*	
		For > 150 To 250, Deduct	*-20.49*	
		For > 250, Deduct	*-30.73*	
10 14 53 11-0119	EA	36" x 78" Steel Non-Reflectorized Traffic Sign	330.21	47.31
		For > 25 To 50, Deduct	*-4.73*	
		For > 50 To 150, Deduct	*-12.99*	
		For > 150 To 250, Deduct	*-21.24*	
		For > 250, Deduct	*-31.86*	
10 14 53 11-0120	EA	36" x 108" Steel Non-Reflectorized Traffic Sign	435.76	54.78
		For > 25 To 50, Deduct	*-5.48*	
		For > 50 To 150, Deduct	*-16.37*	
		For > 150 To 250, Deduct	*-27.27*	
		For > 250, Deduct	*-40.90*	
10 14 53 11-0121	EA	42" x 42" Steel Non-Reflectorized Traffic Sign	222.70	37.35
		For > 25 To 50, Deduct	*-3.74*	
		For > 50 To 150, Deduct	*-9.30*	
		For > 150 To 250, Deduct	*-14.87*	
		For > 250, Deduct	*-22.31*	
10 14 53 11-0122	EA	48" x 48" Steel Non-Reflectorized Traffic Sign	277.97	42.33
		For > 25 To 50, Deduct	*-4.23*	
		For > 50 To 150, Deduct	*-11.18*	
		For > 150 To 250, Deduct	*-18.13*	
		For > 250, Deduct	*-27.20*	
10 14 53 11-0123	EA	48" x 54" Steel Non-Reflectorized Traffic Sign	312.09	47.31
		For > 25 To 50, Deduct	*-4.73*	
		For > 50 To 150, Deduct	*-12.53*	
		For > 150 To 250, Deduct	*-20.34*	
		For > 250, Deduct	*-30.50*	
10 14 53 11-0124	EA	48" x 60" Steel Non-Reflectorized Traffic Sign	336.25	47.31
		For > 25 To 50, Deduct	*-4.73*	
		For > 50 To 150, Deduct	*-13.14*	
		For > 150 To 250, Deduct	*-21.54*	
		For > 250, Deduct	*-32.32*	
10 14 53 11-0125	EA	48" x 66" Steel Non-Reflectorized Traffic Sign	375.36	54.78
		For > 25 To 50, Deduct	*-5.48*	
		For > 50 To 150, Deduct	*-14.86*	
		For > 150 To 250, Deduct	*-24.25*	
		For > 250, Deduct	*-36.37*	
10 14 53 11-0126	EA	48" x 72" Steel Non-Reflectorized Traffic Sign	399.52	54.78
		For > 25 To 50, Deduct	*-5.48*	
		For > 50 To 150, Deduct	*-15.47*	
		For > 150 To 250, Deduct	*-25.45*	
		For > 250, Deduct	*-38.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0127	EA	48" x 84" Steel Non-Reflectorized Traffic Sign	457.80	59.77
		For > 25 To 50, Deduct	*-5.98*	
		For > 50 To 150, Deduct	*-17.42*	
		For > 150 To 250, Deduct	*-28.87*	
		For > 250, Deduct	*-43.30*	
10 14 53 11-0128	EA	48" x 96" Steel Non-Reflectorized Traffic Sign	506.13	59.77
		For > 25 To 50, Deduct	*-5.98*	
		For > 50 To 150, Deduct	*-18.63*	
		For > 150 To 250, Deduct	*-31.28*	
		For > 250, Deduct	*-46.92*	
10 14 53 11-0129	EA	48" x 102" Steel Non-Reflectorized Traffic Sign	530.29	59.77
		For > 25 To 50, Deduct	*-5.98*	
		For > 50 To 150, Deduct	*-19.23*	
		For > 150 To 250, Deduct	*-32.49*	
		For > 250, Deduct	*-48.74*	
10 14 53 11-0130	EA	48" x 108" Steel Non-Reflectorized Traffic Sign	559.43	62.26
		For > 25 To 50, Deduct	*-6.23*	
		For > 50 To 150, Deduct	*-20.21*	
		For > 150 To 250, Deduct	*-34.20*	
		For > 250, Deduct	*-51.30*	
10 14 53 11-0131	EA	60" x 72" Steel Non-Reflectorized Traffic Sign	481.97	59.77
		For > 25 To 50, Deduct	*-5.98*	
		For > 50 To 150, Deduct	*-18.03*	
		For > 150 To 250, Deduct	*-30.08*	
		For > 250, Deduct	*-45.11*	
10 14 53 11-0132	EA	72" x 144" Steel Non-Reflectorized Traffic Sign	1,029.21	79.68
10 14 53 11-0133	EA	78" x 96" Steel Non-Reflectorized Traffic Sign	752.73	62.26
		For > 25 To 50, Deduct	*-6.23*	
		For > 50 To 150, Deduct	*-25.04*	
		For > 150 To 250, Deduct	*-43.86*	
		For > 250, Deduct	*-65.79*	

10 14 53 11-0134 Aluminum Non-Reflectorized Traffic Signs *(10 14 53 11-0081)*

10 14 53 11-0135	EA	6" x 12" Aluminum Non-Reflectorized Traffic Sign	46.14	19.92
		For > 25 To 50, Deduct	*-1.99*	
		For > 50 To 150, Deduct	*-3.15*	
		For > 150 To 250, Deduct	*-4.30*	
		For > 250, Deduct	*-6.45*	
10 14 53 11-0136	EA	6" x 18" Aluminum Non-Reflectorized Traffic Sign	49.28	19.92
		For > 25 To 50, Deduct	*-1.99*	
		For > 50 To 150, Deduct	*-3.22*	
		For > 150 To 250, Deduct	*-4.46*	
		For > 250, Deduct	*-6.68*	
10 14 53 11-0137	EA	9" x 12" Aluminum Non-Reflectorized Traffic Sign	49.28	19.92
		For > 25 To 50, Deduct	*-1.99*	
		For > 50 To 150, Deduct	*-3.22*	
		For > 150 To 250, Deduct	*-4.46*	
		For > 250, Deduct	*-6.68*	
10 14 53 11-0138	EA	9" x 15" Aluminum Non-Reflectorized Traffic Sign	51.64	19.92
		For > 25 To 50, Deduct	*-1.99*	
		For > 50 To 150, Deduct	*-3.28*	
		For > 150 To 250, Deduct	*-4.57*	
		For > 250, Deduct	*-6.86*	
10 14 53 11-0139	EA	9" x 18" Aluminum Non-Reflectorized Traffic Sign	54.00	19.92
		For > 25 To 50, Deduct	*-1.99*	
		For > 50 To 150, Deduct	*-3.34*	
		For > 150 To 250, Deduct	*-4.69*	
		For > 250, Deduct	*-7.04*	
10 14 53 11-0140	EA	9" x 24" Aluminum Non-Reflectorized Traffic Sign	61.19	21.17
		For > 25 To 50, Deduct	*-2.12*	
		For > 50 To 150, Deduct	*-3.65*	
		For > 150 To 250, Deduct	*-5.18*	
		For > 250, Deduct	*-7.76*	
10 14 53 11-0141	EA	9" x 48" Aluminum Non-Reflectorized Traffic Sign	80.05	21.17
		For > 25 To 50, Deduct	*-2.12*	
		For > 50 To 150, Deduct	*-4.12*	
		For > 150 To 250, Deduct	*-6.12*	
		For > 250, Deduct	*-9.18*	
10 14 53 11-0142	EA	12" x 12" Aluminum Non-Reflectorized Traffic Sign	52.42	19.92
		For > 25 To 50, Deduct	*-1.99*	
		For > 50 To 150, Deduct	*-3.30*	
		For > 150 To 250, Deduct	*-4.61*	
		For > 250, Deduct	*-6.92*	
10 14 53 11-0143	EA	12" x 18" Aluminum Non-Reflectorized Traffic Sign	61.19	21.17
		For > 25 To 50, Deduct	*-2.12*	
		For > 50 To 150, Deduct	*-3.65*	
		For > 150 To 250, Deduct	*-5.18*	
		For > 250, Deduct	*-7.76*	
10 14 53 11-0144	EA	12" x 24" Aluminum Non-Reflectorized Traffic Sign	67.48	21.17
		For > 25 To 50, Deduct	*-2.12*	
		For > 50 To 150, Deduct	*-3.80*	
		For > 150 To 250, Deduct	*-5.49*	
		For > 250, Deduct	*-8.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0145	EA	12" x 30" Aluminum Non-Reflectorized Traffic Sign	73.76	21.17
		For > 25 To 50, Deduct	*-2.12*	
		For > 50 To 150, Deduct	*-3.96*	
		For > 150 To 250, Deduct	*-5.80*	
		For > 250, Deduct	*-8.71*	
10 14 53 11-0146	EA	12" x 36" Aluminum Non-Reflectorized Traffic Sign	80.05	21.17
		For > 25 To 50, Deduct	*-2.12*	
		For > 50 To 150, Deduct	*-4.12*	
		For > 150 To 250, Deduct	*-6.12*	
		For > 250, Deduct	*-9.18*	
10 14 53 11-0147	EA	18" x 18" Aluminum Non-Reflectorized Traffic Sign	70.62	21.17
		For > 25 To 50, Deduct	*-2.12*	
		For > 50 To 150, Deduct	*-3.88*	
		For > 150 To 250, Deduct	*-5.65*	
		For > 250, Deduct	*-8.47*	
10 14 53 11-0148	EA	18" x 24" Aluminum Non-Reflectorized Traffic Sign	80.05	21.17
		For > 25 To 50, Deduct	*-2.12*	
		For > 50 To 150, Deduct	*-4.12*	
		For > 150 To 250, Deduct	*-6.12*	
		For > 250, Deduct	*-9.18*	
10 14 53 11-0149	EA	18" x 30" Aluminum Non-Reflectorized Traffic Sign	91.97	22.41
		For > 25 To 50, Deduct	*-2.24*	
		For > 50 To 150, Deduct	*-4.54*	
		For > 150 To 250, Deduct	*-6.84*	
		For > 250, Deduct	*-10.26*	
10 14 53 11-0150	EA	18" x 36" Aluminum Non-Reflectorized Traffic Sign	101.40	22.41
		For > 25 To 50, Deduct	*-2.24*	
		For > 50 To 150, Deduct	*-4.78*	
		For > 150 To 250, Deduct	*-7.31*	
		For > 250, Deduct	*-10.97*	
10 14 53 11-0151	EA	18" x 48" Aluminum Non-Reflectorized Traffic Sign	130.22	27.40
10 14 53 11-0152	EA	18" x 54" Aluminum Non-Reflectorized Traffic Sign	139.65	27.40
		For > 25 To 50, Deduct	*-2.74*	
		For > 50 To 150, Deduct	*-6.23*	
		For > 150 To 250, Deduct	*-9.72*	
		For > 250, Deduct	*-14.58*	
10 14 53 11-0153	EA	24" x 24" Aluminum Non-Reflectorized Traffic Sign	95.11	22.41
		For > 25 To 50, Deduct	*-2.24*	
		For > 50 To 150, Deduct	*-4.62*	
		For > 150 To 250, Deduct	*-7.00*	
		For > 250, Deduct	*-10.49*	
10 14 53 11-0154	EA	24" x 30" Aluminum Non-Reflectorized Traffic Sign	107.69	22.41
		For > 25 To 50, Deduct	*-2.24*	
		For > 50 To 150, Deduct	*-4.93*	
		For > 150 To 250, Deduct	*-7.63*	
		For > 250, Deduct	*-11.44*	
10 14 53 11-0155	EA	24" x 36" Aluminum Non-Reflectorized Traffic Sign	120.26	22.41
		For > 25 To 50, Deduct	*-2.24*	
		For > 50 To 150, Deduct	*-5.25*	
		For > 150 To 250, Deduct	*-8.25*	
		For > 250, Deduct	*-12.38*	
10 14 53 11-0156	EA	24" x 42" Aluminum Non-Reflectorized Traffic Sign	142.79	27.40
		For > 25 To 50, Deduct	*-2.74*	
		For > 50 To 150, Deduct	*-6.31*	
		For > 150 To 250, Deduct	*-9.88*	
		For > 250, Deduct	*-14.82*	
10 14 53 11-0157	EA	24" x 48" Aluminum Non-Reflectorized Traffic Sign	155.37	27.40
		For > 25 To 50, Deduct	*-2.74*	
		For > 50 To 150, Deduct	*-6.62*	
		For > 150 To 250, Deduct	*-10.51*	
		For > 250, Deduct	*-15.76*	
10 14 53 11-0158	EA	24" x 54" Aluminum Non-Reflectorized Traffic Sign	167.94	27.40
		For > 25 To 50, Deduct	*-2.74*	
		For > 50 To 150, Deduct	*-6.94*	
		For > 150 To 250, Deduct	*-11.14*	
		For > 250, Deduct	*-16.70*	
10 14 53 11-0159	EA	24" x 60" Aluminum Non-Reflectorized Traffic Sign	180.52	27.40
10 14 53 11-0160	EA	30" x 30" Aluminum Non-Reflectorized Traffic Sign	123.40	22.41
		For > 25 To 50, Deduct	*-2.24*	
		For > 50 To 150, Deduct	*-5.33*	
		For > 150 To 250, Deduct	*-8.41*	
		For > 250, Deduct	*-12.62*	
10 14 53 11-0161	EA	30" x 36" Aluminum Non-Reflectorized Traffic Sign	149.08	27.40
		For > 25 To 50, Deduct	*-2.74*	
		For > 50 To 150, Deduct	*-6.47*	
		For > 150 To 250, Deduct	*-10.19*	
		For > 250, Deduct	*-15.29*	
10 14 53 11-0162	EA	30" x 42" Aluminum Non-Reflectorized Traffic Sign	164.80	27.40
		For > 25 To 50, Deduct	*-2.74*	
		For > 50 To 150, Deduct	*-6.86*	
		For > 150 To 250, Deduct	*-10.98*	
		For > 250, Deduct	*-16.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0163	EA	30" x 48" Aluminum Non-Reflectorized Traffic Sign	190.48	32.37
		For > 25 To 50, Deduct	*-3.24*	
		For > 50 To 150, Deduct	*-8.00*	
		For > 150 To 250, Deduct	*-12.76*	
		For > 250, Deduct	*-19.14*	
10 14 53 11-0164	EA	30" x 60" Aluminum Non-Reflectorized Traffic Sign	231.88	37.35
		For > 25 To 50, Deduct	*-3.74*	
		For > 50 To 150, Deduct	*-9.53*	
		For > 150 To 250, Deduct	*-15.33*	
		For > 250, Deduct	*-22.99*	
10 14 53 11-0165	EA	36" x 36" Aluminum Non-Reflectorized Traffic Sign	167.94	27.40
		For > 25 To 50, Deduct	*-2.74*	
		For > 50 To 150, Deduct	*-6.94*	
		For > 150 To 250, Deduct	*-11.14*	
		For > 250, Deduct	*-16.70*	
10 14 53 11-0166	EA	36" x 42" Aluminum Non-Reflectorized Traffic Sign	196.76	32.37
		For > 25 To 50, Deduct	*-3.24*	
		For > 50 To 150, Deduct	*-8.16*	
		For > 150 To 250, Deduct	*-13.08*	
		For > 250, Deduct	*-19.61*	
10 14 53 11-0167	EA	36" x 48" Aluminum Non-Reflectorized Traffic Sign	225.59	37.35
		For > 25 To 50, Deduct	*-3.74*	
		For > 50 To 150, Deduct	*-9.38*	
		For > 150 To 250, Deduct	*-15.02*	
		For > 250, Deduct	*-22.52*	
10 14 53 11-0168	EA	36" x 54" Aluminum Non-Reflectorized Traffic Sign	244.45	37.35
		For > 25 To 50, Deduct	*-3.74*	
		For > 50 To 150, Deduct	*-9.85*	
		For > 150 To 250, Deduct	*-15.96*	
		For > 250, Deduct	*-23.94*	
10 14 53 11-0169	EA	36" x 60" Aluminum Non-Reflectorized Traffic Sign	273.27	42.33
		For > 25 To 50, Deduct	*-4.23*	
		For > 50 To 150, Deduct	*-11.07*	
		For > 150 To 250, Deduct	*-17.90*	
		For > 250, Deduct	*-26.85*	
10 14 53 11-0170	EA	36" x 73" Aluminum Non-Reflectorized Traffic Sign	324.10	47.31
		For > 25 To 50, Deduct	*-4.73*	
		For > 50 To 150, Deduct	*-12.83*	
		For > 150 To 250, Deduct	*-20.94*	
		For > 250, Deduct	*-31.40*	
10 14 53 11-0171	EA	36" x 78" Aluminum Non-Reflectorized Traffic Sign	339.81	47.31
		For > 25 To 50, Deduct	*-4.73*	
		For > 50 To 150, Deduct	*-13.23*	
		For > 150 To 250, Deduct	*-21.72*	
		For > 250, Deduct	*-32.58*	
10 14 53 11-0172	EA	36" x 108" Aluminum Non-Reflectorized Traffic Sign	449.05	54.78
		For > 25 To 50, Deduct	*-5.48*	
		For > 50 To 150, Deduct	*-16.70*	
		For > 150 To 250, Deduct	*-27.93*	
		For > 250, Deduct	*-41.90*	
10 14 53 11-0173	EA	42" x 42" Aluminum Non-Reflectorized Traffic Sign	228.74	37.35
		For > 25 To 50, Deduct	*-3.74*	
		For > 50 To 150, Deduct	*-9.45*	
		For > 150 To 250, Deduct	*-15.17*	
		For > 250, Deduct	*-22.76*	
10 14 53 11-0174	EA	48" x 48" Aluminum Non-Reflectorized Traffic Sign	285.85	42.33
		For > 25 To 50, Deduct	*-4.23*	
		For > 50 To 150, Deduct	*-11.38*	
		For > 150 To 250, Deduct	*-18.53*	
		For > 250, Deduct	*-27.79*	
10 14 53 11-0175	EA	48" x 54" Aluminum Non-Reflectorized Traffic Sign	320.95	47.31
		For > 25 To 50, Deduct	*-4.73*	
		For > 50 To 150, Deduct	*-12.76*	
		For > 150 To 250, Deduct	*-20.78*	
		For > 250, Deduct	*-31.17*	
10 14 53 11-0176	EA	48" x 60" Aluminum Non-Reflectorized Traffic Sign	346.10	47.31
		For > 25 To 50, Deduct	*-4.73*	
		For > 50 To 150, Deduct	*-13.38*	
		For > 150 To 250, Deduct	*-22.04*	
		For > 250, Deduct	*-33.05*	
10 14 53 11-0177	EA	48" x 66" Aluminum Non-Reflectorized Traffic Sign	386.19	54.78
		For > 25 To 50, Deduct	*-5.48*	
		For > 50 To 150, Deduct	*-15.13*	
		For > 150 To 250, Deduct	*-24.79*	
		For > 250, Deduct	*-37.18*	
10 14 53 11-0178	EA	48" x 72" Aluminum Non-Reflectorized Traffic Sign	411.33	54.78
		For > 25 To 50, Deduct	*-5.48*	
		For > 50 To 150, Deduct	*-15.76*	
		For > 150 To 250, Deduct	*-26.05*	
		For > 250, Deduct	*-39.07*	
10 14 53 11-0179	EA	48" x 84" Aluminum Non-Reflectorized Traffic Sign	471.59	59.77
		For > 25 To 50, Deduct	*-5.98*	
		For > 50 To 150, Deduct	*-17.77*	
		For > 150 To 250, Deduct	*-29.56*	
		For > 250, Deduct	*-44.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0180	EA	48" x 96" Aluminum Non-Reflectorized Traffic Sign	521.88	59.77
		For > 25 To 50, Deduct	*-5.98*	
		For > 50 To 150, Deduct	*-19.02*	
		For > 150 To 250, Deduct	*-32.07*	
		For > 250, Deduct	*-48.11*	
10 14 53 11-0181	EA	48" x 102" Aluminum Non-Reflectorized Traffic Sign	547.03	59.77
		For > 25 To 50, Deduct	*-5.98*	
		For > 50 To 150, Deduct	*-19.65*	
		For > 150 To 250, Deduct	*-33.33*	
		For > 250, Deduct	*-49.99*	
10 14 53 11-0182	EA	48" x 108" Aluminum Non-Reflectorized Traffic Sign	577.16	62.26
		For > 25 To 50, Deduct	*-6.23*	
		For > 50 To 150, Deduct	*-20.65*	
		For > 150 To 250, Deduct	*-35.08*	
		For > 250, Deduct	*-52.63*	
10 14 53 11-0183	EA	60" x 72" Aluminum Non-Reflectorized Traffic Sign	496.74	59.77
		For > 25 To 50, Deduct	*-5.98*	
		For > 50 To 150, Deduct	*-18.40*	
		For > 150 To 250, Deduct	*-30.81*	
		For > 250, Deduct	*-46.22*	
10 14 53 11-0184	EA	72" x 144" Aluminum Non-Reflectorized Traffic Sign	1,064.66	79.68
10 14 53 11-0185	EA	78" x 96" Aluminum Non-Reflectorized Traffic Sign	778.33	62.26
		For > 25 To 50, Deduct	*-6.23*	
		For > 50 To 150, Deduct	*-25.68*	
		For > 150 To 250, Deduct	*-45.14*	
		For > 250, Deduct	*-67.71*	
10 14 53 11-0186		**Polyethylene Non-Reflectorized Traffic Signs** *(10 14 53 11-0081)*		
10 14 53 11-0187	EA	6" x 12" Non-Reflective Polyethylene Traffic Sign	67.85	18.73
10 14 53 11-0188	EA	12" x 12" Non-Reflective Polyethylene Traffic Sign	74.12	19.92
10 14 53 11-0189	EA	12" x 18" Non-Reflective Polyethylene Traffic Sign	79.77	21.22
10 14 53 11-0190	EA	18" x 18" Non-Reflective Polyethylene Traffic Sign	104.14	22.41
10 14 53 11-0191	EA	18" x 24" Non-Reflective Polyethylene Traffic Sign	111.54	23.70
10 14 53 11-0192	EA	24" x 24" Non-Reflective Polyethylene Traffic Sign	129.02	24.90
10 14 53 11-0193		**Signs For Overhead Sign Structures** *(10 14 53 11-0001)*		
		Note: Including horizontal Z-bars.		
10 14 53 11-0194	SF	From 30 To 360 SF Signs For Overhead Sign Structures	25.00	
		For Over 10' High, Add	*13.00*	
10 14 53 11-0195	VLF	Vertical Sign Hangers For Overhead Sign Structures, Per Hanger	32.50	
		Note: Includes U-bolts, vertical aluminum Z-bars, clip angles and stainless steel hardware.		
10 14 53 11-0196		**Flashing Beacon** *(10 14 53 11-0001)*		
10 14 53 11-0197	EA	Flashing Beacon Assembly	1,380.57	202.03
10 14 53 11-0198		**Aluminum Street Signs** *(10 14 53 11-0001)*		
		Note: Excludes posts.		
10 14 53 11-0199		**Aluminum Engineer Grade Street Signs** *(10 14 53 11-0198)*		
10 14 53 11-0200	EA	6" High, Aluminum Engineer Grade Street Sign	83.22	9.96
		For Hi-Intensity Grade, Add	*18.99*	
		For Diamond Grade, Add	*36.08*	
		For > 25 To 50, Deduct	*-1.00*	
		For > 50 To 150, Deduct	*-3.08*	
		For > 150 To 250, Deduct	*-5.16*	
		For > 250, Deduct	*-7.74*	
10 14 53 11-0201	EA	8" High, Aluminum Engineer Grade Street Sign	94.39	9.96
		For Hi-Intensity Grade, Add	*22.34*	
		For Diamond Grade, Add	*42.45*	
		For > 25 To 50, Deduct	*-1.00*	
		For > 50 To 150, Deduct	*-3.36*	
		For > 150 To 250, Deduct	*-5.72*	
		For > 250, Deduct	*-8.57*	
10 14 53 11-0202	EA	9" High, Aluminum Engineer Grade Street Sign	102.71	9.96
		For Hi-Intensity Grade, Add	*24.84*	
		For Diamond Grade, Add	*47.19*	
		For > 25 To 50, Deduct	*-1.00*	
		For > 50 To 150, Deduct	*-3.56*	
		For > 150 To 250, Deduct	*-6.13*	
		For > 250, Deduct	*-9.20*	
10 14 53 11-0203		**Street Sign Accessories** *(10 14 53 11-0198)*		
10 14 53 11-0204	EA	Single Bracket And Post Cap For Street Sign	25.19	4.98
		For > 25 To 50, Deduct	*-0.50*	
		For > 50 To 150, Deduct	*-1.13*	
		For > 150 To 250, Deduct	*-1.76*	
		For > 250, Deduct	*-2.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0205	EA	Double Bracket And Post Cap For Street Sign	25.19	4.98
		For > 25 To 50, Deduct	*-0.50*	
		For > 50 To 150, Deduct	*-1.13*	
		For > 150 To 250, Deduct	*-1.76*	
		For > 250, Deduct	*-2.64*	

10 14 53 11-0206 Sign Posts *(10 14 53 11-0001)*

Note: Excludes sign. See CSI section 32 31 13 13-0001 for auguring of holes and backfill.

10 14 53 11-0207 U-Channel Sign Posts *(10 14 53 11-0206)*

Note: Excludes digging and concrete.

10 14 53 11-0208 Baked Enamel U-Channel Sign Posts *(10 14 53 11-0207)*

10 14 53 11-0209	EA	3' To 4' Baked Enamel U-Channel Sign Post Base	67.11	20.35
		For > 25 To 50, Deduct	*-2.03*	
		For > 50 To 150, Deduct	*-3.71*	
		For > 150 To 250, Deduct	*-5.39*	
		For > 250, Deduct	*-8.09*	
10 14 53 11-0210	EA	6' Baked Enamel U-Channel Sign Post	88.02	25.43
		For > 25 To 50, Deduct	*-2.54*	
		For > 50 To 150, Deduct	*-4.74*	
		For > 150 To 250, Deduct	*-6.94*	
		For > 250, Deduct	*-10.42*	
10 14 53 11-0211	EA	7' Baked Enamel U-Channel Sign Post	105.10	30.52
		For > 25 To 50, Deduct	*-3.05*	
		For > 50 To 150, Deduct	*-5.68*	
		For > 150 To 250, Deduct	*-8.31*	
		For > 250, Deduct	*-12.46*	
10 14 53 11-0212	EA	8' Baked Enamel U-Channel Sign Post	123.05	35.60
		For > 25 To 50, Deduct	*-3.56*	
		For > 50 To 150, Deduct	*-6.64*	
		For > 150 To 250, Deduct	*-9.71*	
		For > 250, Deduct	*-14.57*	
10 14 53 11-0213	EA	10' Baked Enamel U-Channel Sign Post	148.50	43.24
		For > 25 To 50, Deduct	*-4.32*	
		For > 50 To 150, Deduct	*-8.04*	
		For > 150 To 250, Deduct	*-11.75*	
		For > 250, Deduct	*-17.62*	
10 14 53 11-0214	EA	12' Baked Enamel U-Channel Sign Post	152.73	43.24
		For > 25 To 50, Deduct	*-4.32*	
		For > 50 To 150, Deduct	*-8.14*	
		For > 150 To 250, Deduct	*-11.96*	
		For > 250, Deduct	*-17.94*	

10 14 53 11-0215 Galvanized Steel U-Channel Sign Posts *(10 14 53 11-0207)*

10 14 53 11-0216	EA	3' To 4' Galvanized Steel U-Channel Sign Post Base	72.55	20.35
		For > 25 To 50, Deduct	*-2.03*	
		For > 50 To 150, Deduct	*-3.85*	
		For > 150 To 250, Deduct	*-5.66*	
		For > 250, Deduct	*-8.49*	
10 14 53 11-0217	EA	6' Galvanized Steel U-Channel Sign Post	96.66	25.43
		For > 25 To 50, Deduct	*-2.54*	
		For > 50 To 150, Deduct	*-4.96*	
		For > 150 To 250, Deduct	*-7.38*	
		For > 250, Deduct	*-11.06*	
10 14 53 11-0218	EA	7' Galvanized Steel U-Channel Sign Post	124.65	30.52
		For > 25 To 50, Deduct	*-3.05*	
		For > 50 To 150, Deduct	*-6.17*	
		For > 150 To 250, Deduct	*-9.28*	
		For > 250, Deduct	*-13.93*	
10 14 53 11-0219	EA	8' Galvanized Steel U-Channel Sign Post	144.66	35.60
		For > 25 To 50, Deduct	*-3.56*	
		For > 50 To 150, Deduct	*-7.18*	
		For > 150 To 250, Deduct	*-10.79*	
		For > 250, Deduct	*-16.19*	
10 14 53 11-0220	EA	10' Galvanized Steel U-Channel Sign Post	164.23	43.24
		For > 25 To 50, Deduct	*-4.32*	
		For > 50 To 150, Deduct	*-8.43*	
		For > 150 To 250, Deduct	*-12.54*	
		For > 250, Deduct	*-18.80*	
10 14 53 11-0221	EA	12' Galvanized Steel U-Channel Sign Post	166.42	43.24
		For > 25 To 50, Deduct	*-4.32*	
		For > 50 To 150, Deduct	*-8.48*	
		For > 150 To 250, Deduct	*-12.64*	
		For > 250, Deduct	*-18.97*	

10 14 53 11-0222 Fiberglass Or Composite Plastic U-Channel Sign Posts *(10 14 53 11-0207)*

10 14 53 11-0223	EA	3' To 4' Fiberglass Or Composite Plastic U-Channel Sign Post Base	65.83	20.35
		For > 25 To 50, Deduct	*-2.03*	
		For > 50 To 150, Deduct	*-3.68*	
		For > 150 To 250, Deduct	*-5.33*	
		For > 250, Deduct	*-7.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0224	EA	6' Fiberglass Or Composite Plastic U-Channel Sign Post	85.23	25.43
		For > 25 To 50, Deduct	*-2.54*	
		For > 50 To 150, Deduct	*-4.67*	
		For > 150 To 250, Deduct	*-6.81*	
		For > 250, Deduct	*-10.21*	
10 14 53 11-0225	EA	7' Fiberglass Or Composite Plastic U-Channel Sign Post	101.73	30.52
		For > 25 To 50, Deduct	*-3.05*	
		For > 50 To 150, Deduct	*-5.60*	
		For > 150 To 250, Deduct	*-8.14*	
		For > 250, Deduct	*-12.21*	
10 14 53 11-0226	EA	8' Fiberglass Or Composite Plastic U-Channel Sign Post	119.03	35.60
		For > 25 To 50, Deduct	*-3.56*	
		For > 50 To 150, Deduct	*-6.54*	
		For > 150 To 250, Deduct	*-9.51*	
		For > 250, Deduct	*-14.27*	
10 14 53 11-0227	EA	10' Fiberglass Or Composite Plastic U-Channel Sign Post	141.21	43.24
		For > 25 To 50, Deduct	*-4.32*	
		For > 50 To 150, Deduct	*-7.85*	
		For > 150 To 250, Deduct	*-11.38*	
		For > 250, Deduct	*-17.08*	
10 14 53 11-0228	EA	12' Fiberglass Or Composite Plastic U-Channel Sign Post	148.41	43.24
		For > 25 To 50, Deduct	*-4.32*	
		For > 50 To 150, Deduct	*-8.03*	
		For > 150 To 250, Deduct	*-11.74*	
		For > 250, Deduct	*-17.62*	

10 14 53 11-0229 Tubular Sign Posts *(10 14 53 11-0206)*

Note: Excludes digging and concrete.

10 14 53 11-0230 2-3/8" Diameter, Galvanized Steel Tubular Sign Post *(10 14 53 11-0229)*

10 14 53 11-0231	EA	6', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	97.56	25.43
		For > 25 To 50, Deduct	*-2.54*	
		For > 50 To 150, Deduct	*-4.98*	
		For > 150 To 250, Deduct	*-7.42*	
		For > 250, Deduct	*-11.13*	
10 14 53 11-0232	EA	7', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	115.78	30.52
		For > 25 To 50, Deduct	*-3.05*	
		For > 50 To 150, Deduct	*-5.95*	
		For > 150 To 250, Deduct	*-8.84*	
		For > 250, Deduct	*-13.26*	
10 14 53 11-0233	EA	8', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	136.74	35.60
		For > 25 To 50, Deduct	*-3.56*	
		For > 50 To 150, Deduct	*-6.98*	
		For > 150 To 250, Deduct	*-10.40*	
		For > 250, Deduct	*-15.60*	
10 14 53 11-0234	EA	10', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	176.05	43.24
		For > 25 To 50, Deduct	*-4.32*	
		For > 50 To 150, Deduct	*-8.72*	
		For > 150 To 250, Deduct	*-13.13*	
		For > 250, Deduct	*-19.69*	
10 14 53 11-0235	EA	12', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	190.89	43.24
		For > 25 To 50, Deduct	*-4.32*	
		For > 50 To 150, Deduct	*-9.10*	
		For > 150 To 250, Deduct	*-13.87*	
		For > 250, Deduct	*-20.80*	

10 14 53 11-0236 Square Sign Posts *(10 14 53 11-0206)*

Note: Excludes digging and concrete.

10 14 53 11-0237 Galvanized Steel Square Sign Posts *(10 14 53 11-0236)*

10 14 53 11-0238	EA	3' To 4' Galvanized Steel Square Sign Post Base	73.76	20.35
		For > 25 To 50, Deduct	*-2.03*	
		For > 50 To 150, Deduct	*-3.88*	
		For > 150 To 250, Deduct	*-5.72*	
		For > 250, Deduct	*-8.58*	
10 14 53 11-0239	EA	6' Galvanized Steel Square Sign Post	117.13	25.43
		For > 25 To 50, Deduct	*-2.54*	
		For > 50 To 150, Deduct	*-5.47*	
		For > 150 To 250, Deduct	*-8.40*	
		For > 250, Deduct	*-12.60*	
10 14 53 11-0240	EA	7' Galvanized Steel Square Sign Post	137.39	30.52
		For > 25 To 50, Deduct	*-3.05*	
		For > 50 To 150, Deduct	*-6.49*	
		For > 150 To 250, Deduct	*-9.92*	
		For > 250, Deduct	*-14.88*	
10 14 53 11-0241	EA	8' Galvanized Steel Square Sign Post	160.25	35.60
		For > 25 To 50, Deduct	*-3.56*	
		For > 50 To 150, Deduct	*-7.57*	
		For > 150 To 250, Deduct	*-11.57*	
		For > 250, Deduct	*-17.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0242	EA	10' Galvanized Steel Square Sign Post	195.67	43.24
		For > 25 To 50, Deduct	*-4.32*	
		For > 50 To 150, Deduct	*-9.22*	
		For > 150 To 250, Deduct	*-14.11*	
		For > 250, Deduct	*-21.16*	
10 14 53 11-0243	EA	12' Galvanized Steel Square Sign Post	206.03	43.24
		For > 25 To 50, Deduct	*-4.32*	
		For > 50 To 150, Deduct	*-9.47*	
		For > 150 To 250, Deduct	*-14.63*	
		For > 250, Deduct	*-21.94*	
10 14 53 11-0244		Standard Driven Street Sign Posts, Square *(10 14 53 11-0236)*		
10 14 53 11-0245	EA	12' x 2" Square 12 Gauge Galvanized Steel Sign Post With 1'-6" x 2-1/2" Square Sleeve And 2'-6" x 2-1/4" Square Anchor Driven Into Earth	245.65	43.24
10 14 53 11-0246		Other Sign Posts And Bases *(10 14 53 11-0001)*		
		Note: For breakaway post systems, base posts are driven in, sign posts bolted to base post using lap splice hardware kit.		
10 14 53 11-0247		2.5 Lb./FT Breakaway Sign Posts And Base Posts *(10 14 53 11-0246)*		
10 14 53 11-0248		Base Posts, 2.5 Lb./LF, For Breakaway Sign Posts *(10 14 53 11-0247)*		
10 14 53 11-0249	EA	Base Post for 2.5 Lb./LF Breakaway Sign Post	101.52	24.90
10 14 53 11-0250	EA	Lap Splice Hardware For 2.5 Lb./LF Breakaway Sign Post	61.67	19.92
10 14 53 11-0251		Breakaway Sign Posts, 2.5 Lb./LF *(10 14 53 11-0247)*		
10 14 53 11-0252	LF	2.5 Lb./LF Breakaway Sign Post	12.79	2.49
10 14 53 11-0253		4 Lb./FT Breakaway Sign Posts And Base Posts *(10 14 53 11-0246)*		
10 14 53 11-0254		Base Posts, 4 Lb./LF, For Breakaway Sign Posts *(10 14 53 11-0253)*		
10 14 53 11-0255	EA	Base Post For 4 Lb./LF Breakaway Sign Post	106.16	29.88
10 14 53 11-0256	EA	Lap Splice Hardware for 4 Lb./LF Breakaway Sign Post	61.67	19.92
10 14 53 11-0257		Breakaway Sign Posts, 4 Lb./LF *(10 14 53 11-0253)*		
10 14 53 11-0258	LF	4 Lb./LF Breakaway Sign Post	15.67	2.49
10 14 53 11-0259		Driven Sign Posts *(10 14 53 11-0246)*		
10 14 53 11-0260		Driven Posts, 2.5 Lb./LF *(10 14 53 11-0259)*		
10 14 53 11-0261	LF	2.5 Lb./LF Driven Post	13.79	3.49
10 14 53 11-0262		Driven Posts, 4 Lb./LF *(10 14 53 11-0259)*		
10 14 53 11-0263	LF	4 Lb./LF Driven Post	17.16	3.98
10 14 53 11-0264		Omni-Directional Breakaway System For Sign Posts And Light Poles *(10 14 53 11-0246)*		
10 14 53 11-0265		Omni-Directional Breakaway Systems For Signs *(10 14 53 11-0264)*		
		Note: Break-Safe as manufactured by Tramspo Industries. Tasks are organized by post type and size. Includes hinges, anchors, all associated parts and drilling.		
10 14 53 11-0266	EA	Omni-Directional Breakaway System For 6" To 8" Wide Flange (Tramspo B525)	1,478.31	
10 14 53 11-0267	EA	Omni-Directional Breakaway System For 10" To 21" Wide Flange (Tramspo B650)	1,575.12	
10 14 53 11-0268	EA	Omni-Directional Breakaway System For Standard I Beam Or W6x9 Flange (Tramspo AI4 And AI6)	1,079.87	
10 14 53 11-0269	EA	Omni-Directional Breakaway System For 3" To 4.5" Outside Diameter Pipe (Tramspo A3 And A4.5)	945.82	
10 14 53 11-0270	EA	Omni-Directional Breakaway System For Square Tube (Tramspo AS3 And AS4)	1,072.42	
10 14 53 11-0271	EA	Omni-Directional Breakaway System For U-Channels (Tramspo AU4 To AU6)	1,020.29	
10 14 53 11-0272	EA	Omni-Directional Breakaway System For U-Channels Embedded (Tramspo AUX4 To AUX6)	1,105.94	
10 14 53 11-0273		Omni-Directional Breakaway Systems For Poles *(10 14 53 11-0264)*		
		Note: Pole-Safe as Manufactured by Tramspo Industries. Tasks are organized by bolt size. Includes four couplings, all associated parts, drilling and can be for new or for retrofitting existing poles.		
10 14 53 11-0274	EA	Omni-Directional Breakaway System For Poles With 5/8" Couplings	500.68	
10 14 53 11-0275	EA	Omni-Directional Breakaway System For Poles With 3/4" Couplings	524.91	
10 14 53 11-0276	EA	Omni-Directional Breakaway System For Poles With 1" Couplings	545.10	
10 14 53 11-0277	EA	Omni-Directional Breakaway System For Poles With 1 1/4" Couplings	827.73	
10 14 53 11-0278	EA	Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 10" To Less Than 15"	72.68	
10 14 53 11-0279	EA	Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 15" To 20"	96.91	
10 14 53 11-0280		Sign Post Accessories *(10 14 53 11-0001)*		
10 14 53 11-0281		Sign Post Brackets *(10 14 53 11-0280)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0282	EA	2-3/8" Outside Diameter, Single Side Sign Bracket Set Note: Includes 2 single side signpost brackets	49.58	7.47
		For > 25 To 50, Deduct	*-0.75*	
		For > 50 To 150, Deduct	*-1.99*	
		For > 150 To 250, Deduct	*-3.23*	
		For > 250, Deduct	*-4.84*	
10 14 53 11-0283	EA	2-3/8" Outside Diameter, Double Side Sign Bracket Set Note: Includes 2 double side signpost brackets	66.53	12.45
		For > 25 To 50, Deduct	*-1.25*	
		For > 50 To 150, Deduct	*-2.91*	
		For > 150 To 250, Deduct	*-4.57*	
		For > 250, Deduct	*-6.86*	
10 14 53 11-0284	EA	4" To 12" Diameter, Buckle Bracket Set Note: Includes 2 stainless steel straps, 2 brackets and fastener hardware	60.04	9.96
		For > 25 To 50, Deduct	*-1.00*	
		For > 50 To 150, Deduct	*-2.50*	
		For > 150 To 250, Deduct	*-4.00*	
		For > 250, Deduct	*-6.00*	
10 14 53 11-0285		**Sign Post Caps** *(10 14 53 11-0280)*		
10 14 53 11-0286	EA	2-3/8" Diameter, Galvanized, Flat Traffic Sign Post Cap (EC-2)	22.88	4.98
		For > 25 To 50, Deduct	*-0.50*	
		For > 50 To 150, Deduct	*-1.07*	
		For > 150 To 250, Deduct	*-1.64*	
		For > 250, Deduct	*-2.46*	
10 14 53 11-0287		**Sign Post Replacement Bolts** *(10 14 53 11-0280)*		
10 14 53 11-0288	EA	Signage Fasteners Replacement Note: Includes two 5/16" x 2" long bolts, two 5/16" nuts And four 5/16" washers	16.15	
		For > 25 To 50, Deduct	*-0.50*	
		For > 50 To 150, Deduct	*-0.90*	
		For > 150 To 250, Deduct	*-1.31*	
		For > 250, Deduct	*-1.96*	
10 14 53 11-0289		**Removal Of Signs** *(10 14 53 11)* Note: Includes structural supports.		
10 14 53 11-0290	EA	>4 To 10 SF Sign Area, Sign Removal	199.21	
10 14 53 11-0291	EA	>10 To 20 SF Sign Area, Sign Removal	478.11	
10 14 53 11-0292	EA	>20 To 40 SF Sign Area, Sign Removal	717.16	
10 14 53 11-0293	EA	>40 To 100 SF Sign Area, Sign Removal	1,145.71	
10 14 53 11-0294		**Removal And Reinstallation Of Signs** *(10 14 53 11)* Note: Includes structural supports.		
10 14 53 11-0295	EA	>4 To 10 SF Sign Area, Removal And Reinstallation Of Sign	303.57	
10 14 53 11-0296	EA	>10 To 20 SF Sign Area, Removal And Reinstallation Of Sign	720.55	
10 14 53 11-0297	EA	>20 SF To 40 SF Sign Area, Removal And Reinstallation Of Sign	1,078.63	
10 14 53 11-0298	EA	>40 SF To 100 SF Sign Area, Removal And Reinstallation Of Sign	1,721.24	
10 14 53 11-0299	EA	Removal And Reinstallation Of Street Sign On Post	114.55	
10 14 53 11-0300	EA	Removal And Relocation Of Traffic Light Note: Excludes electrical hookup.	406.27	
10 14 56		**Bridge Signage** *(10 14)*		
10 14 56 00-0001		**Bridge And Truss Mounted Signs** *(10 14 56)*		
10 14 56 00-0002		**Removal Of Bridge And Truss Mounted Signs** *(10 14 56 00-0001)*		
10 14 56 00-0003	CF	Removal Of Foundation Note: Including Excavation	18.37	
10 14 56 00-0004	LF	Removal Of Truss And Supports	233.27	
10 14 56 00-0005	SF	Removal Of Sign Face	10.67	
10 14 56 00-0006	SF	Removal Of Legend	17.78	
10 14 56 00-0007	EA	Removal Of Changeable Message Panel	205.07	
10 14 56 00-0008	EA	Removal Of Posts And Supports, Per Post	106.63	
10 14 56 00-0009		**Fabricate And Install Bridge And Truss Mounted Signs** *(10 14 56 00-0001)*		
10 14 56 00-0010	CY	Foundation For Sign Excavation, Backfill, Compaction, Concrete, Rebar, Forms And Finish	604.40	
10 14 56 00-0011	LF	Telescoping Steel Ground Posts	99.42	
10 14 56 00-0012	LF	Overhead Steel Mounting Framework	1,742.47	
10 14 56 00-0013	LB	Ground Mounted Steel Structure	6.89	
10 14 56 00-0014		**Fabricate And Install New 12" Extruded Aluminum Channel** *(10 14 56 00-0001)* Note: Includes reflective face with reflective legend.		
10 14 56 00-0015	SF	1 To 49.9 SF, 12" Extruded Aluminum Channel Including Reflective Face With Reflective Legend	131.73	
10 14 56 00-0016	SF	50 To 99.9 SF, 12" Extruded Aluminum Channel Including Reflective Face With Reflective Legend	117.48	
10 14 56 00-0017	SF	100 To 149.9 SF, 12" Extruded Aluminum Channel Including Reflective Face With Reflective Legend	105.08	
10 14 56 00-0018	SF	>150 SF, 12" Extruded Aluminum Channel Including Reflective Face With Reflective Legend	94.44	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 56 00-0019		Fabricate And Install New Reflective Messages On Sign Face *(10 14 56 00-0001)*		
10 14 56 00-0020		One Color/3 Dimensional Demountable Letters *(10 14 56 00-0019)*		
10 14 56 00-0021	EA	6" Capital Height Letter	31.79	
10 14 56 00-0022	EA	8" Capital Height Letter	37.42	
10 14 56 00-0023	EA	10" Capital Height Letter	43.02	
10 14 56 00-0024	EA	12" Capital Height Letter	48.05	
10 14 56 00-0025	EA	14" Capital Height Letter	50.86	
10 14 56 00-0026		Two Color Legend Shields-Die Cut Vinyl Engineer Grade *(10 14 56 00-0019)*		
10 14 56 00-0027	EA	6" Legend/Shields	32.74	
10 14 56 00-0028	EA	8" Legend/Shields	38.69	
10 14 56 00-0029	EA	10" Legend/Shields	44.60	
10 14 56 00-0030	EA	12" Legend/Shields	49.94	
10 14 56 00-0031	EA	14" Legend/Shields	53.10	
10 14 56 00-0032		Fabricate And Install New Changeable Message Panel *(10 14 56 00-0001)*		
10 14 56 00-0033	SF	One Color Hi-Intensity Die Cut Vinyl Letters on Demountable Panel	38.05	

10 14 63 Electronic Message Signage *(10 14)*

10 14 63 00-0001		Dynamic Signs *(10 14 63)*		
10 14 63 00-0002		Programming/Software And Repair *(10 14 63 00-0001)*		
10 14 63 00-0003	HR	Programming Message, Graphic Visuals, Movement Of Message, And Timing Of Visuals On Screen	200.48	
10 14 63 00-0004	HR	Repair/Replacement Of Electronic Sign And Computer Components	125.30	
10 14 63 00-0005	HR	Repair Flip Disks Or Light Source	125.30	
10 14 63 00-0006		Fabricate And Install New Sign Cabinets *(10 14 63 00-0001)*		
10 14 63 00-0007		Cabinet For Flip Disk Display *(10 14 63 00-0006)*		
10 14 63 00-0008	SF	1 To 99 SF Cabinet	222.89	
10 14 63 00-0009	SF	100 To 200 SF Cabinet	182.31	
10 14 63 00-0010		Fabricate And Install New Sign Face Components *(10 14 63 00-0001)*		
10 14 63 00-0011		Enhanced Flip Disk Display *(10 14 63 00-0010)*		
10 14 63 00-0012	EA	Enhanced Flip Disk	156.57	
10 14 63 00-0013	SF	Lexan Lens For Flip Disk Sign	62.08	
10 14 63 00-0014		Disappearing Copy Sign *(10 14 63 00-0010)*		
10 14 63 00-0015	SF	1 To 49.9 SF, Disappearing Copy Sign	44.94	
10 14 63 00-0016	SF	=>50 SF, Disappearing Copy Sign	32.38	
10 14 63 00-0017		Fabricate And Install Transfer Lights And Signs *(10 14 63 00-0001)*		
10 14 63 00-0018	EA	Passenger Transfer Signage	618.60	

10 20 Interior Specialties *(10)*

10 21 Compartments and Cubicles *(10 20)*

10 21 13 Toilet Compartments *(10 21)*

10 21 13 13 Metal Toilet Compartments *(10 21 13)*

10 21 13 13-0001		Enamel Coated Steel Toilet Partitions And Urinal Screens *(10 21 13 13)* Note: Complete toilet partitions for corner installations. Includes 1" door, 1-1/4" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of galvanized sheet metal, cleaned, primed and finished with oven baked enamel or epoxy coating.		
10 21 13 13-0002		Enamel Coated Steel Toilet Partitions *(10 21 13 13-0001)* Note: All colors.		
10 21 13 13-0003		Floor Anchored, Enamel Coated Steel, Complete Toilet Partitions *(10 21 13 13-0002)*		
10 21 13 13-0004	EA	36" x 60", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition	1,080.21	124.17
		For >10, Deduct	*-83.19*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	
10 21 13 13-0005	EA	60" x 60", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	1,309.75	135.21
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 13-0006	EA	60" x 78", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	1,399.66	140.73
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	
10 21 13 13-0007		**Overhead Braced, Enamel Coated Steel, Complete Toilet Partitions** *(10 21 13 13-0002)*		
		Note: Includes head rail.		
10 21 13 13-0008	EA	36" x 60", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition	1,119.59	151.77
		For >10, Deduct	*-81.61*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	
10 21 13 13-0009	EA	60" x 60", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	1,303.69	162.81
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	
10 21 13 13-0010	EA	60" x 78", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	1,378.96	168.33
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	
10 21 13 13-0011		**Floor And Ceiling Anchored, Enamel Coated Steel, Complete Toilet Partitions** *(10 21 13 13-0002)*		
		Note: Excludes above ceiling steel.		
10 21 13 13-0012	EA	36" x 60", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition	1,321.37	179.37
		For >10, Deduct	*-96.26*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	
10 21 13 13-0013	EA	60" x 60", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	1,544.77	190.41
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	
10 21 13 13-0014	EA	60" x 78", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	1,623.45	195.92
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	
10 21 13 13-0015		**Ceiling Hung, Enamel Coated Steel, Complete Toilet Partitions** *(10 21 13 13-0002)*		
		Note: Excludes above ceiling steel.		
10 21 13 13-0016	EA	36" x 60", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition	1,269.48	206.96
		For >10, Deduct	*-85.56*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	
10 21 13 13-0017	EA	60" x 60", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,530.65	218.00
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	
10 21 13 13-0018	EA	60" x 78", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,618.26	223.52
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	
10 21 13 13-0019		**Enamel Coated Steel Urinal Screens** *(10 21 13 13-0001)*		
		Note: All colors.		
10 21 13 13-0020		**Floor Anchored, Enamel Coated Steel, Urinal Screens** *(10 21 13 13-0019)*		
10 21 13 13-0021	EA	24" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen	569.40	77.24
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 13-0022	EA	36" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen	631.81	82.75
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 13-0023	EA	48" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen	696.19	88.27
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 13-0024		**Wall Hung, Enamel Coated Steel, Urinal Screens** *(10 21 13 13-0019)*		
10 21 13 13-0025	EA	18" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen	318.13	66.20
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 13-0026	EA	24" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen	343.01	71.72
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 13-0027	EA	30" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen	361.93	77.24
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 13-0028		**Wall Hung, Wedge Shaped, Enamel Coated Steel, Urinal Screens** *(10 21 13 13-0019)*		
10 21 13 13-0029	EA	18" x 30" x 1", Wall Hung, Wedge Shaped, Enamel Coated Steel, Urinal Screen	414.05	71.72
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 13-0030		**Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screens** *(10 21 13 13-0019)*		
10 21 13 13-0031	EA	18" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen	465.50	71.72
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 13-0032	EA	24" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen	496.29	77.24
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 13-0033	EA	30" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen	527.09	82.75
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 21 13 13-0034 Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screens *(10 21 13 13-0019)*

10 21 13 13-0035	EA	22" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen	525.93	77.24
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 13-0036	EA	34" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen	564.63	82.75
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 13-0037	EA	46" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen	625.07	88.27
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	

10 21 13 13-0038 Enamel Coated Steel Toilet Partition Doors, Panels And Pilasters *(10 21 13 13-0001)*

Note: All colors. See CSI section 10 21 13 43-0000 for accessories, 10 21 13 43-0001 for other accessories.

10 21 13 13-0039 Enamel Coated Steel, Toilet Partition Doors *(10 21 13 13-0038)*

10 21 13 13-0040	EA	24" x 58" x 1", Enamel Coated Steel, Toilet Partition Door	344.49	22.07
		For Heavy Gauge Full-Height SS Hinge, Add	*97.19*	
10 21 13 13-0041	EA	26" x 58" x 1", Enamel Coated Steel, Toilet Partition Door	352.39	22.07
		For Heavy Gauge Full-Height SS Hinge, Add	*97.19*	
10 21 13 13-0042	EA	30" x 58" x 1", Enamel Coated Steel, Toilet Partition Door	373.48	23.74
		For Heavy Gauge Full-Height SS Hinge, Add	*97.19*	
10 21 13 13-0043	EA	34" x 58" x 1", Enamel Coated Steel, ADA Compliant Toilet Partition Door	409.05	23.74
		For Heavy Gauge Full-Height SS Hinge, Add	*97.19*	
10 21 13 13-0044	EA	36" x 58" x 1", Enamel Coated Steel, ADA Compliant Toilet Partition Door	416.95	23.74
		For Heavy Gauge Full-Height SS Hinge, Add	*97.19*	

10 21 13 13-0045 Enamel Coated Steel, Toilet Partition Panels *(10 21 13 13-0038)*

10 21 13 13-0046	EA	6" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	244.06	33.11
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 13-0047	EA	12" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	269.34	35.87
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 13-0048	EA	18" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	294.62	38.63
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 13-0049	EA	24" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	319.90	41.39
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 13-0050	EA	30" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	345.18	44.15
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 13-0051	EA	36" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	370.45	46.91
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 13-0052	EA	42" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	393.75	49.67
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 13-0053	EA	48" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	419.03	52.43
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 13-0054	EA	55" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	436.40	55.19
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 13-0055	EA	58" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	446.51	56.29
		For Panel Reinforced At ADA Grab Bar, Add	*42.00*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 13-0056	EA	60" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	459.71	57.95
		For Panel Reinforced At ADA Grab Bar, Add	*42.00*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 13-0057	EA	70" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	502.77	60.71
		For Panel Reinforced At ADA Grab Bar, Add	*42.00*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 13-0058	EA	78" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	539.89	63.47
		For Panel Reinforced At ADA Grab Bar, Add	*42.00*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	

10 21 13 13-0059 70" Long, Enamel Coated Steel, Toilet Partition Pilasters *(10 21 13 13-0038)*

10 21 13 13-0060	EA	Up To 4" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	187.23	16.56
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 13-0061	EA	5" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	206.58	19.31
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 13-0062	EA	6" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	227.91	22.07
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 13-0063	EA	8" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	265.04	24.83
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 13-0064	EA	10" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	300.20	27.59
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 13-0065	EA	12" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	335.36	30.35
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 13-0066	EA	18" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	433.75	33.11
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 13-0067	EA	22" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	498.54	35.87
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 13-0068	EA	24" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	535.68	38.63
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	

10 21 13 13-0069 82" Long, Enamel Coated Steel, Toilet Partition Pilasters *(10 21 13 13-0038)*

10 21 13 13-0070	EA	Up To 4" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	149.69	16.56
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 13-0071	EA	5" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	163.11	19.31
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 13-0072	EA	6" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	178.51	22.07
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 13-0073	EA	8" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	201.81	24.83
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 13-0074	EA	10" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	223.14	27.59
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 13-0075	EA	12" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	246.44	30.35
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 13-0076	EA	18" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	305.31	33.11
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 13-0077	EA	22" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	344.42	35.87
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 13-0078	EA	24" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	367.73	38.63
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	

10 21 13 13-0079 96" To 120" Long, Enamel Coated Steel, Partition Pilasters *(10 21 13 13-0038)*

10 21 13 13-0080	EA	Up To 4" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	208.15	22.07
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 13-0081	EA	5" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	227.50	24.83
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 13-0082	EA	6" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	248.83	27.59
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 13-0083	EA	8" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	285.96	30.35
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 13-0084	EA	10" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	321.12	33.11
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 13-0085	EA	12" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	356.28	35.87
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 13-0086	EA	18" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	454.67	38.63
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 13-0087	EA	22" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	519.46	41.39
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 13-0088	EA	24" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	556.60	44.15
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	

10 21 13 14 Stainless-Steel Toilet Compartments *(10 21 13)*

10 21 13 14-0001 Stainless Steel Toilet Partitions And Urinal Screens *(10 21 13 14)*

Note: Complete toilet partitions for corner installations. Includes 1" door, 1-1/4" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of type 304 stainless steel. Includes satin finish.

10 21 13 14-0002 Stainless Steel Toilet Partitions *(10 21 13 14-0001)*

10 21 13 14-0003 Floor Anchored, Stainless Steel, Complete Toilet Partitions *(10 21 13 14-0002)*

10 21 13 14-0004	EA	36" x 60", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition	2,414.56	124.17
		For >10, Deduct	*-216.62*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	
		For Diamond Pattern Finish, Add	*758.17*	
10 21 13 14-0005	EA	60" x 60", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,917.05	135.21
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	
		For Diamond Pattern Finish, Add	*926.32*	
10 21 13 14-0006	EA	60" x 78", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,055.40	140.73
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	
		For Diamond Pattern Finish, Add	*970.88*	

10 21 13 14-0007 Overhead Braced, Stainless Steel, Complete Toilet Partitions *(10 21 13 14-0002)*

Note: Includes head rail.

10 21 13 14-0008	EA	36" x 60", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition	2,039.32	151.77
		For >10, Deduct	*-173.58*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	
		For Diamond Pattern Finish, Add	*607.52*	
10 21 13 14-0009	EA	60" x 60", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,484.71	162.81
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	
		For Diamond Pattern Finish, Add	*755.68*	
10 21 13 14-0010	EA	60" x 78", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,708.57	168.33
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	
		For Diamond Pattern Finish, Add	*830.17*	

10 21 13 14-0011 Floor And Ceiling Anchored, Stainless Steel, Complete Toilet Partitions *(10 21 13 14-0002)*

Note: Excludes above ceiling steel.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 14-0012	EA	36" x 60", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition	2,828.08	179.37
		For >10, Deduct	*-246.94*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	
		For Diamond Pattern Finish, Add	*864.27*	
10 21 13 14-0013	EA	60" x 60", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,033.44	190.41
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	
		For Diamond Pattern Finish, Add	*928.42*	
10 21 13 14-0014	EA	60" x 78", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,175.86	195.92
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	
		For Diamond Pattern Finish, Add	*974.40*	

10 21 13 14-0015 Ceiling Hung, Stainless Steel, Complete Toilet Partitions *(10 21 13 14-0002)*

Note: Excludes above ceiling steel.

10 21 13 14-0016	EA	36" x 60", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition	2,828.08	206.96
		For >10, Deduct	*-241.42*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	
		For Diamond Pattern Finish, Add	*844.96*	
10 21 13 14-0017	EA	60" x 60", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,445.95	218.00
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	
		For Diamond Pattern Finish, Add	*1,053.48*	
10 21 13 14-0018	EA	60" x 78", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,624.11	223.52
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	
		For Diamond Pattern Finish, Add	*1,111.98*	

10 21 13 14-0019 Stainless Steel Urinal Screens *(10 21 13 14-0001)*

10 21 13 14-0020 Floor Anchored, Stainless Steel, Urinal Screens *(10 21 13 14-0019)*

10 21 13 14-0021	EA	24" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen	793.08	77.24
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For Diamond Pattern Finish, Add	*223.52*	
10 21 13 14-0022	EA	36" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen	898.22	82.75
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For Diamond Pattern Finish, Add	*256.45*	
10 21 13 14-0023	EA	48" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen	916.96	88.27
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For Diamond Pattern Finish, Add	*259.15*	

10 21 13 14-0024 Wall Hung, Stainless Steel, Urinal Screens *(10 21 13 14-0019)*

10 21 13 14-0025	EA	18" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen	585.46	66.20
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For Diamond Pattern Finish, Add	*158.57*	
10 21 13 14-0026	EA	24" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen	633.50	71.72
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For Diamond Pattern Finish, Add	*171.52*	
10 21 13 14-0027	EA	30" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen	691.71	77.24
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For Diamond Pattern Finish, Add	*188.04*	

10 21 13 14-0028 Wall Hung And Post Supported, Stainless Steel, Urinal Screens *(10 21 13 14-0019)*

10 21 13 14-0029	EA	18" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen	954.24	71.72
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For Diamond Pattern Finish, Add	*283.78*	
10 21 13 14-0030	EA	24" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen	999.93	77.24
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For Diamond Pattern Finish, Add	*295.91*	
10 21 13 14-0031	EA	30" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen	1,045.41	82.75
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For Diamond Pattern Finish, Add	*307.97*	

10 21 13 14-0032 Wall Hung And Overhead Braced, Stainless Steel, Urinal Screens *(10 21 13 14-0019)*

10 21 13 14-0033	EA	22" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen	793.08	77.24
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For Diamond Pattern Finish, Add	*223.52*	
10 21 13 14-0034	EA	34" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen	898.22	82.75
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For Diamond Pattern Finish, Add	*256.45*	
10 21 13 14-0035	EA	46" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen	1,007.79	88.27
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For Diamond Pattern Finish, Add	*290.94*	

10 21 13 14-0036 Stainless Steel Toilet Partition Doors, Panels And Pilasters *(10 21 13 14-0001)*

See CSI section 10 21 13 43-0000 for accessories, 10 21 13 43-0001 for other accessories.

10 21 13 14-0037 Stainless Steel, Toilet Partition Doors *(10 21 13 14-0036)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 14-0038	EA	24" x 58" x 1", Stainless Steel, Toilet Partition Door	527.24	22.07
		For Heavy Gauge Full-Height SS Hinge, Add	*97.19*	
		For Diamond Pattern Finish, Add	*169.08*	
10 21 13 14-0039	EA	26" x 58" x 1", Stainless Steel, Toilet Partition Door	603.54	22.07
		For Heavy Gauge Full-Height SS Hinge, Add	*97.19*	
		For Diamond Pattern Finish, Add	*195.79*	
10 21 13 14-0040	EA	30" x 58" x 1", Stainless Steel, Toilet Partition Door	619.63	24.83
		For Heavy Gauge Full-Height SS Hinge, Add	*97.19*	
		For Diamond Pattern Finish, Add	*199.49*	
10 21 13 14-0041	EA	34" x 58" x 1", Stainless Steel, ADA Compliant Toilet Partition Door	641.66	24.83
		For Heavy Gauge Full-Height SS Hinge, Add	*97.19*	
		For Diamond Pattern Finish, Add	*207.20*	
10 21 13 14-0042	EA	36" x 58" x 1", Stainless Steel, ADA Compliant Toilet Partition Door	647.79	24.83
		For Heavy Gauge Full-Height SS Hinge, Add	*97.19*	
		For Diamond Pattern Finish, Add	*209.34*	
10 21 13 14-0043		**Stainless Steel, Toilet Partition Panels** *(10 21 13 14-0036)*		
10 21 13 14-0044	EA	6" x 58" x 1", Stainless Steel, Toilet Partition Panel	453.87	33.11
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For Diamond Pattern Finish, Add	*135.67*	
10 21 13 14-0045	EA	12" x 58" x 1", Stainless Steel, Toilet Partition Panel	504.16	35.87
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For Diamond Pattern Finish, Add	*151.34*	
10 21 13 14-0046	EA	18" x 58" x 1", Stainless Steel, Toilet Partition Panel	525.16	38.63
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For Diamond Pattern Finish, Add	*156.76*	
10 21 13 14-0047	EA	24" x 58" x 1", Stainless Steel, Toilet Partition Panel	549.09	41.39
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For Diamond Pattern Finish, Add	*163.21*	
10 21 13 14-0048	EA	30" x 58" x 1", Stainless Steel, Toilet Partition Panel	589.39	44.15
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For Diamond Pattern Finish, Add	*175.38*	
10 21 13 14-0049	EA	36" x 58" x 1", Stainless Steel, Toilet Partition Panel	636.30	46.91
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For Diamond Pattern Finish, Add	*189.87*	
10 21 13 14-0050	EA	42" x 58" x 1", Stainless Steel, Toilet Partition Panel	745.07	49.67
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For Diamond Pattern Finish, Add	*226.01*	
10 21 13 14-0051	EA	48" x 58" x 1", Stainless Steel, Toilet Partition Panel	816.02	52.43
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For Diamond Pattern Finish, Add	*248.91*	
10 21 13 14-0052	EA	55" x 58" x 1", Stainless Steel, Toilet Partition Panel	837.04	55.19
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For Diamond Pattern Finish, Add	*254.33*	
10 21 13 14-0053	EA	58" x 58" x 1", Stainless Steel, Toilet Partition Panel	878.84	56.29
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For Diamond Pattern Finish, Add	*268.19*	
10 21 13 14-0054	EA	60" x 58" x 1", Stainless Steel, Toilet Partition Panel	933.82	57.95
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For Diamond Pattern Finish, Add	*286.27*	
10 21 13 14-0055	EA	70" x 58" x 1", Stainless Steel, Toilet Partition Panel	978.45	60.71
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For Diamond Pattern Finish, Add	*299.96*	
10 21 13 14-0056	EA	78" x 58" x 1", Stainless Steel, Toilet Partition Panel	1,074.00	63.47
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For Diamond Pattern Finish, Add	*331.47*	
10 21 13 14-0057		**70" Long, Stainless Steel, Toilet Partition Pilasters** *(10 21 13 14-0036)*		
10 21 13 14-0058	EA	Up To 4" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	315.51	16.56
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For Diamond Pattern Finish, Add	*98.84*	
10 21 13 14-0059	EA	5" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	343.41	19.31
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For Diamond Pattern Finish, Add	*106.67*	
10 21 13 14-0060	EA	6" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	373.04	22.07
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For Diamond Pattern Finish, Add	*115.11*	
10 21 13 14-0061	EA	8" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	425.05	24.83
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For Diamond Pattern Finish, Add	*131.38*	
10 21 13 14-0062	EA	10" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	477.07	27.59
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For Diamond Pattern Finish, Add	*147.66*	
10 21 13 14-0063	EA	12" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	529.08	30.35
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For Diamond Pattern Finish, Add	*163.93*	
10 21 13 14-0064	EA	18" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	672.35	33.11
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For Diamond Pattern Finish, Add	*212.14*	
10 21 13 14-0065	EA	22" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	770.86	35.87
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For Diamond Pattern Finish, Add	*244.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 14-0066	EA	24" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	822.87	38.63
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For Diamond Pattern Finish, Add	*260.96*	

10 21 13 14-0067 82" Long, Stainless Steel, Toilet Partition Pilasters *(10 21 13 14-0036)*

10 21 13 14-0068	EA	Up To 4" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	240.67	16.56
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For Diamond Pattern Finish, Add	*72.65*	
10 21 13 14-0069	EA	5" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	260.40	19.31
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For Diamond Pattern Finish, Add	*77.62*	
10 21 13 14-0070	EA	6" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	280.85	22.07
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For Diamond Pattern Finish, Add	*82.85*	
10 21 13 14-0071	EA	8" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	365.15	24.83
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For Diamond Pattern Finish, Add	*110.42*	
10 21 13 14-0072	EA	10" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	412.18	27.59
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For Diamond Pattern Finish, Add	*124.95*	
10 21 13 14-0073	EA	12" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	426.31	30.35
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For Diamond Pattern Finish, Add	*127.96*	
10 21 13 14-0074	EA	18" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	483.23	33.11
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For Diamond Pattern Finish, Add	*145.95*	
10 21 13 14-0075	EA	22" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	545.28	35.87
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For Diamond Pattern Finish, Add	*165.74*	
10 21 13 14-0076	EA	24" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	578.84	38.63
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For Diamond Pattern Finish, Add	*175.55*	

10 21 13 14-0077 96" To 120" Long, Stainless Steel, Toilet Partition Pilasters *(10 21 13 14-0036)*

10 21 13 14-0078	EA	Up To 4" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	345.49	22.07
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For Diamond Pattern Finish, Add	*105.47*	
10 21 13 14-0079	EA	5" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	378.56	24.83
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For Diamond Pattern Finish, Add	*115.11*	
10 21 13 14-0080	EA	6" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	409.91	27.59
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For Diamond Pattern Finish, Add	*124.15*	
10 21 13 14-0081	EA	8" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	470.53	30.35
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For Diamond Pattern Finish, Add	*143.44*	
10 21 13 14-0082	EA	10" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	529.43	33.11
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For Diamond Pattern Finish, Add	*162.12*	
10 21 13 14-0083	EA	12" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	588.33	35.87
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For Diamond Pattern Finish, Add	*180.80*	
10 21 13 14-0084	EA	18" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	757.44	38.63
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For Diamond Pattern Finish, Add	*238.06*	
10 21 13 14-0085	EA	22" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	869.72	41.39
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For Diamond Pattern Finish, Add	*275.43*	
10 21 13 14-0086	EA	24" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	930.34	44.15
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For Diamond Pattern Finish, Add	*294.71*	

10 21 13 16 Plastic-Laminate-Clad Toilet Compartments *(10 21 13)*

10 21 13 16-0001 Laminated Plastic Toilet Partitions And Urinal Screens *(10 21 13 16)*

Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of a sandwich of high-pressure decorative plastic laminate bonded to a solid industrial-grade particalboard.

10 21 13 16-0002 Laminated Plastic Toilet Partitions *(10 21 13 16-0001)*

Note: Includes all standard Bobrick colors.

10 21 13 16-0003 Floor Anchored, Laminated Plastic, Complete Toilet Partitions *(10 21 13 16-0002)*

10 21 13 16-0004	EA	36" x 60", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition	1,311.22	124.17
		For >10, Deduct	*-106.29*	
		For Cast Stainless Steel Hardware, Add	*175.11*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 16-0005	EA	60" x 60", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,605.42	135.21
		For Cast Stainless Steel Hardware, Add	*175.13*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	
10 21 13 16-0006	EA	60" x 78", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,728.22	140.73
		For Cast Stainless Steel Hardware, Add	*175.14*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	
10 21 13 16-0007		**Overhead Braced, Laminated Plastic, Complete Toilet Partitions** *(10 21 13 16-0002)*		
		Note: Includes head rail.		
10 21 13 16-0008	EA	36" x 60", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition	1,418.30	151.77
		For >10, Deduct	*-111.48*	
		For Cast Stainless Steel Hardware, Add	*175.15*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	
10 21 13 16-0009	EA	60" x 60", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,725.46	162.81
		For Cast Stainless Steel Hardware, Add	*175.17*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	
10 21 13 16-0010	EA	60" x 78", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,857.99	168.33
		For Cast Stainless Steel Hardware, Add	*175.17*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	
10 21 13 16-0011		**Ceiling Hung, Laminated Plastic, Complete Toilet Partitions** *(10 21 13 16-0002)*		
		Note: Excludes above ceiling steel.		
10 21 13 16-0012	EA	36" x 60", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition	1,896.07	206.96
		For >10, Deduct	*-148.22*	
		For Cast Stainless Steel Hardware, Add	*175.23*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	
10 21 13 16-0013	EA	60" x 60", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,213.23	218.00
		For Cast Stainless Steel Hardware, Add	*175.24*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	
10 21 13 16-0014	EA	60" x 78", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,336.02	223.52
		For Cast Stainless Steel Hardware, Add	*175.25*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	
10 21 13 16-0015		**Laminated Plastic Urinal Screens** *(10 21 13 16-0001)*		
		Note: Includes all standard Bobrick colors.		
10 21 13 16-0016		**Floor Anchored, Laminated Plastic, Urinal Screens** *(10 21 13 16-0015)*		
10 21 13 16-0017	EA	24" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen	550.86	77.24
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 16-0018	EA	36" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen	600.78	82.75
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 16-0019	EA	48" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen	619.45	88.27
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 16-0020		**Wall Hung, Laminated Plastic, Urinal Screens** *(10 21 13 16-0015)*		
10 21 13 16-0021	EA	18" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen	427.45	66.20
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 16-0022	EA	24" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen	449.59	71.72
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 16-0023	EA	30" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen	470.72	77.24
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 16-0024		**Wall Hung And Post Supported, Laminated Plastic, Urinal Screens** *(10 21 13 16-0015)*		
10 21 13 16-0025	EA	18" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen	568.44	71.72
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 16-0026	EA	24" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen	623.81	77.24
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 16-0027	EA	30" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen	683.84	82.75
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 16-0028		**Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screens** *(10 21 13 16-0015)*		
10 21 13 16-0029	EA	24" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen	524.31	71.72
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 16-0030	EA	36" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen	575.33	77.24
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 16-0031	EA	48" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen	593.36	82.75
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 16-0032		**Laminated Plastic Toilet Partition Doors, Panels And Pilasters** *(10 21 13 16-0001)*		
		Note: Includes all standard Bobrick colors. See CSI section 10 21 13 43-0000 for accessories.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 21 13 16-0033 Laminated Plastic, Toilet Partition Doors *(10 21 13 16-0032)*

10 21 13 16-0034	EA	24" x 58" x 1", Laminated Plastic, Toilet Partition Door	437.08	22.07
		For Heavy Gauge Full-Height SS Hinge, Add	*97.19*	
10 21 13 16-0035	EA	26" x 58" x 1", Laminated Plastic, Toilet Partition Door	475.26	22.07
		For Heavy Gauge Full-Height SS Hinge, Add	*97.19*	
10 21 13 16-0036	EA	30" x 58" x 1", Laminated Plastic, Toilet Partition Door	491.20	24.83
		For Heavy Gauge Full-Height SS Hinge, Add	*97.19*	
10 21 13 16-0037	EA	34" x 58" x 1", Laminated Plastic, Americans With Disabilities Act Compliant Toilet Partition Door	503.00	24.83
		For Heavy Gauge Full-Height SS Hinge, Add	*97.19*	
10 21 13 16-0038	EA	36" x 58" x 1", Laminated Plastic, Americans With Disabilities Act Compliant Toilet Partition Door	514.11	24.83
		For Heavy Gauge Full-Height SS Hinge, Add	*97.19*	

10 21 13 16-0039 Laminated Plastic, Toilet Partition Panels *(10 21 13 16-0032)*

10 21 13 16-0040	EA	6" x 58" x 1", Laminated Plastic, Toilet Partition Panel	220.99	33.11
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 16-0041	EA	12" x 58" x 1", Laminated Plastic, Toilet Partition Panel	244.50	35.87
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 16-0042	EA	18" x 58" x 1", Laminated Plastic, Toilet Partition Panel	268.02	38.63
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 16-0043	EA	24" x 58" x 1", Laminated Plastic, Toilet Partition Panel	292.45	41.39
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 16-0044	EA	30" x 58" x 1", Laminated Plastic, Toilet Partition Panel	315.04	44.15
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 16-0045	EA	36" x 58" x 1", Laminated Plastic, Toilet Partition Panel	339.58	46.91
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 16-0046	EA	42" x 58" x 1", Laminated Plastic, Toilet Partition Panel	347.21	49.67
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 16-0047	EA	48" x 58" x 1", Laminated Plastic, Toilet Partition Panel	356.17	52.43
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 16-0048	EA	55" x 58" x 1", Laminated Plastic, Toilet Partition Panel	374.91	55.19
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 16-0049	EA	58" x 58" x 1", Laminated Plastic, Toilet Partition Panel	390.60	56.29
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 16-0050	EA	60" x 58" x 1", Laminated Plastic, Toilet Partition Panel	408.17	57.95
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 16-0051	EA	70" x 58" x 1", Laminated Plastic, Toilet Partition Panel	465.76	60.71
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 16-0052	EA	78" x 58" x 1", Laminated Plastic, Toilet Partition Panel	530.97	63.47
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	

10 21 13 16-0053 69" Long, Laminated Plastic, Toilet Partition Pilasters *(10 21 13 16-0032)*

10 21 13 16-0054	EA	Up To 4" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	180.98	16.56
		For 1-1/4" Pilaster, Add	*12.20*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For Steel Core Pilaster, Add	*147.87*	
10 21 13 16-0055	EA	5" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	208.72	19.31
		For 1-1/4" Pilaster, Add	*14.03*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For Steel Core Pilaster, Add	*170.09*	
10 21 13 16-0056	EA	6" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	214.24	22.07
		For 1-1/4" Pilaster, Add	*14.03*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For Steel Core Pilaster, Add	*170.09*	
10 21 13 16-0057	EA	8" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	236.42	24.83
		For 1-1/4" Pilaster, Add	*15.41*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For Steel Core Pilaster, Add	*186.75*	
10 21 13 16-0058	EA	10" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	246.80	27.59
		For 1-1/4" Pilaster, Add	*15.81*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For Steel Core Pilaster, Add	*191.61*	
10 21 13 16-0059	EA	12" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	268.28	30.35
		For 1-1/4" Pilaster, Add	*17.12*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For Steel Core Pilaster, Add	*207.57*	
10 21 13 16-0060	EA	18" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	341.84	33.11
		For 1-1/4" Pilaster, Add	*22.74*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For Steel Core Pilaster, Add	*275.61*	
10 21 13 16-0061	EA	22" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	414.00	35.87
		For 1-1/4" Pilaster, Add	*28.24*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For Steel Core Pilaster, Add	*342.25*	
10 21 13 16-0062	EA	24" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	464.65	38.63
		For 1-1/4" Pilaster, Add	*31.96*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For Steel Core Pilaster, Add	*387.38*	

10 21 13 16-0063 83" Long, Laminated Plastic, Toilet Partition Pilasters *(10 21 13 16-0032)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 16-0064	EA	Up To 4" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	355.92	16.56
		For 1-1/4" Pilaster, Add	*26.63*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For Steel Core Pilaster, Add	*322.81*	
10 21 13 16-0065	EA	5" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	393.38	19.31
		For 1-1/4" Pilaster, Add	*29.27*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For Steel Core Pilaster, Add	*354.75*	
10 21 13 16-0066	EA	6" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	398.90	22.07
		For 1-1/4" Pilaster, Add	*29.27*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For Steel Core Pilaster, Add	*354.75*	
10 21 13 16-0067	EA	8" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	431.49	24.83
		For 1-1/4" Pilaster, Add	*31.50*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For Steel Core Pilaster, Add	*381.82*	
10 21 13 16-0068	EA	10" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	471.03	27.59
		For 1-1/4" Pilaster, Add	*34.31*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For Steel Core Pilaster, Add	*415.84*	
10 21 13 16-0069	EA	12" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	502.93	30.35
		For 1-1/4" Pilaster, Add	*36.48*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For Steel Core Pilaster, Add	*442.22*	
10 21 13 16-0070	EA	18" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	626.14	33.11
		For 1-1/4" Pilaster, Add	*46.19*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For Steel Core Pilaster, Add	*559.91*	
10 21 13 16-0071	EA	22" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	713.21	35.87
		For 1-1/4" Pilaster, Add	*52.92*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For Steel Core Pilaster, Add	*641.46*	
10 21 13 16-0072	EA	24" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	731.92	38.63
		For 1-1/4" Pilaster, Add	*54.01*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For Steel Core Pilaster, Add	*654.65*	

10 21 13 19 Plastic Toilet Compartments *(10 21 13)*

10 21 13 19-0001 Recycled Solid Polymer (HDPE) Toilet Partitions And Urinal Screens *(10 21 13 19)*

Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of high-density polyethylene (HDPE). Includes Class B fire rating.

10 21 13 19-0002 Recycled Solid Plastic (HDPE) Toilet Partitions *(10 21 13 19-0001)*

Note: Includes all standard Columbia Partitions colors.

10 21 13 19-0003 Overhead Braced, Recycled Solid Plastic (HDPE), Complete Toilet Partitions *(10 21 13 19-0002)*

Note: Includes head rail.

10 21 13 19-0004	EA	36" x 60", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition	1,948.80	151.77
		For >10, Deduct	*-164.53*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	
		For NFPA Class A, Add	*1,020.06*	
10 21 13 19-0005	EA	60" x 60", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,404.19	162.81
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	
		For NFPA Class A, Add	*1,288.71*	
10 21 13 19-0006	EA	60" x 78", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,666.72	168.33
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	
		For NFPA Class A, Add	*1,444.64*	

10 21 13 19-0007 Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), Complete Toilet Partitions *(10 21 13 19-0002)*

Note: Excludes above ceiling steel.

10 21 13 19-0008	EA	36" x 60", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition	1,941.67	179.37
		For >10, Deduct	*-158.29*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	
		For NFPA Class A, Add	*981.42*	
10 21 13 19-0009	EA	60" x 60", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,437.30	190.41
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	
		For NFPA Class A, Add	*1,275.02*	
10 21 13 19-0010	EA	60" x 78", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,699.84	195.92
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	
		For NFPA Class A, Add	*1,430.95*	

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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0011		**Ceiling Hung, Recycled Solid Plastic (HDPE), Complete Toilet Partitions** *(10 21 13 19-0002)* Note: Excludes above ceiling steel.		
10 21 13 19-0012	EA	36" x 60", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition	2,032.75	206.96
		For >10, Deduct	*-161.88*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	
		For NFPA Class A, Add	*1,003.67*	
10 21 13 19-0013	EA	60" x 60", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,417.61	218.00
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	
		For NFPA Class A, Add	*1,228.60*	
10 21 13 19-0014	EA	60" x 78", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,680.14	223.52
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	
		For NFPA Class A, Add	*1,384.53*	
10 21 13 19-0015		**Recycled Solid Plastic (HDPE) Urinal Screens** *(10 21 13 19-0001)* Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0016		**Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screens** *(10 21 13 19-0015)*		
10 21 13 19-0017	EA	18" x 42" x 1", Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screen	447.59	66.20
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*195.42*	
10 21 13 19-0018	EA	24" x 42" x 1", Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screen	471.04	71.72
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*203.11*	
10 21 13 19-0019		**Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screens** *(10 21 13 19-0015)*		
10 21 13 19-0020	EA	18" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen	571.85	71.72
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*265.62*	
10 21 13 19-0021	EA	24" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen	725.66	77.24
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*354.14*	
10 21 13 19-0022	EA	30" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen	807.03	82.75
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*397.75*	
10 21 13 19-0023		**Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screens** *(10 21 13 19-0015)*		
10 21 13 19-0024	EA	24" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen	582.88	77.24
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*265.62*	
10 21 13 19-0025	EA	36" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen	736.70	82.75
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*354.14*	
10 21 13 19-0026	EA	48" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen	876.38	88.27
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*433.90*	
10 21 13 19-0027		**Recycled Solid Plastic (HDPE) Toilet Partition Doors, Panels And Pilasters** *(10 21 13 19-0001)* Note: Includes all standard Columbia Partitions colors. See CSI section 10 21 13 43-0000 for accessories, 10 21 13 43-0001 for other accessories.		
10 21 13 19-0028		**Recycled Solid Plastic (HDPE), Toilet Partition Doors** *(10 21 13 19-0027)*		
10 21 13 19-0029	EA	24" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door	467.63	22.07
		For Heavy Gauge Full-Height SS Hinge, Add	*97.19*	
		For NFPA Class A, Add	*262.56*	
10 21 13 19-0030	EA	26" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door	506.17	22.07
		For Heavy Gauge Full-Height SS Hinge, Add	*97.19*	
		For NFPA Class A, Add	*286.45*	
10 21 13 19-0031	EA	30" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door	549.94	24.83
		For Heavy Gauge Full-Height SS Hinge, Add	*97.19*	
		For NFPA Class A, Add	*310.17*	
10 21 13 19-0032	EA	34" x 55" x 1", Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door	627.93	24.83
		For Heavy Gauge Full-Height SS Hinge, Add	*97.19*	
		For NFPA Class A, Add	*358.52*	
10 21 13 19-0033	EA	36" x 55" x 1", Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door	646.39	24.83
		For Heavy Gauge Full-Height SS Hinge, Add	*97.19*	
		For NFPA Class A, Add	*369.97*	
10 21 13 19-0034		**Recycled Solid Plastic (HDPE), Toilet Partition Panels** *(10 21 13 19-0027)*		
10 21 13 19-0035	EA	6" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	160.09	33.11
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*58.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0036	EA	12" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	259.48	35.87
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*116.39*	
10 21 13 19-0037	EA	18" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	358.84	38.63
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*174.57*	
10 21 13 19-0038	EA	24" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	419.73	41.39
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*208.90*	
10 21 13 19-0039	EA	30" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	509.49	44.15
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*261.13*	
10 21 13 19-0040	EA	36" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	544.46	46.91
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*279.40*	
10 21 13 19-0041	EA	42" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	611.88	49.67
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*317.77*	
10 21 13 19-0042	EA	48" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	690.61	52.43
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*363.17*	
10 21 13 19-0043	EA	55" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	754.75	55.19
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*399.51*	
10 21 13 19-0044	EA	58" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	771.16	56.29
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*408.32*	
10 21 13 19-0045	EA	60" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	797.18	57.95
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*422.39*	
10 21 13 19-0046	EA	70" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	902.08	60.71
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*484.01*	
10 21 13 19-0047	EA	78" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	972.67	63.47
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*524.36*	
10 21 13 19-0048		**82" Long, Recycled Solid Plastic (HDPE), Toilet Partition Pilasters** *(10 21 13 19-0027)*		
10 21 13 19-0049	EA	Up To 4" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	213.92	16.56
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*112.10*	
10 21 13 19-0050	EA	5" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	237.57	19.31
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*123.34*	
10 21 13 19-0051	EA	6" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	258.05	22.07
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*132.62*	
10 21 13 19-0052	EA	8" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	276.93	24.83
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*140.90*	
10 21 13 19-0053	EA	10" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	311.00	27.59
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*158.60*	
10 21 13 19-0054	EA	12" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	345.05	30.35
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*176.29*	
10 21 13 19-0055	EA	18" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	475.81	33.11
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*253.94*	
10 21 13 19-0056	EA	22" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	538.28	35.87
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*289.25*	
10 21 13 19-0057	EA	24" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	586.21	38.63
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*315.54*	
10 21 13 19-0058		**96" To 120", Recycled Solid Plastic (HDPE), Toilet Partition Pilasters** *(10 21 13 19-0027)*		
10 21 13 19-0059	EA	Up To 4" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	260.71	22.07
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*134.27*	
10 21 13 19-0060	EA	5" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	286.84	24.83
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*147.05*	
10 21 13 19-0061	EA	6" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	315.89	27.59
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*161.63*	
10 21 13 19-0062	EA	8" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	358.15	30.35
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*184.41*	
10 21 13 19-0063	EA	10" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	400.83	33.11
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*207.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0064	EA	12" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	443.10	35.87
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*230.24*	
10 21 13 19-0065	EA	18" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	569.75	38.63
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*305.34*	
10 21 13 19-0066	EA	22" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	637.96	41.39
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*344.21*	
10 21 13 19-0067	EA	24 x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	693.94	44.15
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*375.49*	

10 21 13 19-0068 Anti-microbial Recycled Solid Polymer (HDPE) Toilet Partitions And Urinal Screens *(10 21 13 19)*

Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and hardware as required. Constructed of high-density polyethylene (HDPE). Includes Class B fire rating.

10 21 13 19-0069 Anti-microbial Recycled Solid Plastic (HDPE) Toilet Partitions *(10 21 13 19-0068)*

Note: Includes all standard Columbia Partitions colors.

10 21 13 19-0070 Overhead Braced, Anti-microbial Recycled Solid Plastic (HDPE), Complete Toilet Partitions *(10 21 13 19-0069)*

Note: Includes head rail.

10 21 13 19-0071	EA	36" x 60", Overhead Braced, Anti-microbial Solid Plastic, High-Density Polyethylene (HDPE), One Compartment Corner Unit, Complete Toilet Partition	2,524.64	151.77
		For >10, Deduct	*-222.11*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	
		For NFPA Class A, Add	*1,377.08*	
10 21 13 19-0072	EA	60" x 60", Overhead Braced, Anti-microbial Solid Plastic, High-Density Polyethylene (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,131.70	162.81
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	
		For NFPA Class A, Add	*1,739.77*	
10 21 13 19-0073	EA	60" x 78", Overhead Braced, Anti-microbial Solid Plastic, High-Density Polyethylene (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,482.26	168.33
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	
		For NFPA Class A, Add	*1,950.28*	

10 21 13 19-0074 Floor And Ceiling Anchored, Anti-microbial Recycled Solid Plastic (HDPE), Complete Toilet Partitions *(10 21 13 19-0069)*

Note: Excludes above ceiling steel.

10 21 13 19-0075	EA	36" x 60", Floor And Ceiling Anchored, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition	2,495.70	179.37
		For >10, Deduct	*-213.70*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	
		For NFPA Class A, Add	*1,324.92*	
10 21 13 19-0076	EA	60" x 60", Floor And Ceiling Anchored, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,157.06	190.41
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	
		For NFPA Class A, Add	*1,721.28*	
10 21 13 19-0077	EA	60" x 78", Floor And Ceiling Anchored, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,507.63	195.92
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	
		For NFPA Class A, Add	*1,931.78*	

10 21 13 19-0078 Ceiling Hung, Anti-microbial Recycled Solid Plastic (HDPE), Complete Toilet Partitions *(10 21 13 19-0069)*

Note: Excludes above ceiling steel.

10 21 13 19-0079	EA	36" x 60", Ceiling Hung, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition	2,599.36	206.96
		For >10, Deduct	*-218.54*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	
		For NFPA Class A, Add	*1,354.97*	
10 21 13 19-0080	EA	60" x 60", Ceiling Hung, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,111.17	218.00
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	
		For NFPA Class A, Add	*1,658.61*	
10 21 13 19-0081	EA	60" x 78", Ceiling Hung, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,461.72	223.52
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	
		For NFPA Class A, Add	*1,869.11*	

10 21 13 19-0082 Anti-microbial Recycled Solid Plastic (HDPE) Urinal Screens *(10 21 13 19-0068)*

Note: Includes all standard Columbia Partitions colors.

10 21 13 19-0083 Wall Hung, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screens *(10 21 13 19-0082)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0084	EA	18" x 42" x 1", Wall Hung, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	557.89	66.20
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*263.80*	
10 21 13 19-0085	EA	24" x 42" x 1", Wall Hung, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	581.65	71.72
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*271.69*	
10 21 13 19-0086		**Wall Hung And Post Supported, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screens** *(10 21 13 19-0082)*		
10 21 13 19-0087	EA	18" x 42" x 1", Wall Hung And Post Supported, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	914.55	71.72
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*478.09*	
10 21 13 19-0088	EA	24" x 42" x 1", Wall Hung And Post Supported, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	1,041.56	77.24
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*550.00*	
10 21 13 19-0089	EA	30" x 42" x 1", Wall Hung And Post Supported, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	1,110.29	82.75
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*585.77*	
10 21 13 19-0090		**Wall Hung And Overhead Braced, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screens** *(10 21 13 19-0082)*		
10 21 13 19-0091	EA	24" x 55" x 1", Wall Hung And Overhead Braced, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	732.81	77.24
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*358.58*	
10 21 13 19-0092	EA	36" x 55" x 1", Wall Hung And Overhead Braced, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	936.62	82.75
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*478.09*	
10 21 13 19-0093	EA	48" x 55" x 1", Wall Hung And Overhead Braced, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	1,121.33	88.27
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*585.77*	
10 21 13 19-0094		**Anti-microbial Recycled Solid Plastic (HDPE) Toilet Partition Doors, Panels And Pilasters** *(10 21 13 19-0068)*		
		Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0095		**Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Doors** *(10 21 13 19-0094)*		
10 21 13 19-0096	EA	24" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Door	615.84	22.07
		For Heavy Gauge Full-Height SS Hinge, Add	*97.19*	
		For NFPA Class A, Add	*354.45*	
10 21 13 19-0097	EA	26" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Door	667.89	22.07
		For Heavy Gauge Full-Height SS Hinge, Add	*97.19*	
		For NFPA Class A, Add	*386.72*	
10 21 13 19-0098	EA	30" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Door	725.03	24.83
		For Heavy Gauge Full-Height SS Hinge, Add	*97.19*	
		For NFPA Class A, Add	*418.72*	
10 21 13 19-0099	EA	34" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door	830.33	24.83
		For Heavy Gauge Full-Height SS Hinge, Add	*97.19*	
		For NFPA Class A, Add	*484.01*	
10 21 13 19-0100	EA	36" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door	855.24	24.83
		For Heavy Gauge Full-Height SS Hinge, Add	*97.19*	
		For NFPA Class A, Add	*499.45*	
10 21 13 19-0101		**Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panels** *(10 21 13 19-0094)*		
10 21 13 19-0102	EA	6" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	192.94	33.11
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*78.56*	
10 21 13 19-0103	EA	12" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	325.18	35.87
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*157.13*	
10 21 13 19-0104	EA	18" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	457.41	38.63
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*235.69*	
10 21 13 19-0105	EA	24" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	537.64	41.39
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*282.01*	
10 21 13 19-0106	EA	30" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	656.89	44.15
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*352.52*	
10 21 13 19-0107	EA	36" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	702.18	46.91
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*377.18*	
10 21 13 19-0108	EA	42" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	791.27	49.67
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*429.00*	
10 21 13 19-0109	EA	48" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	895.64	52.43
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*490.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0110	EA	55" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	980.29	55.19
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*539.34*	
10 21 13 19-0111	EA	58" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	1,001.66	56.29
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*551.23*	
10 21 13 19-0112	EA	60" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	1,035.62	57.95
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*570.23*	
10 21 13 19-0113	EA	70" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	1,175.33	60.71
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*653.42*	
10 21 13 19-0114	EA	78" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	1,268.67	63.47
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*707.88*	

10 21 13 19-0115 82" Long, Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilasters *(10 21 13 19-0094)*

10 21 13 19-0116	EA	Up To 4" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	277.20	16.56
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*151.34*	
10 21 13 19-0117	EA	5" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	307.20	19.31
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*166.51*	
10 21 13 19-0118	EA	6" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	332.91	22.07
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*179.03*	
10 21 13 19-0119	EA	8" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	384.37	24.83
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*207.51*	
10 21 13 19-0120	EA	10" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	431.95	27.59
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*233.59*	
10 21 13 19-0121	EA	12" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	479.47	30.35
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*259.63*	
10 21 13 19-0122	EA	18" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	619.16	33.11
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*342.82*	
10 21 13 19-0123	EA	22" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	701.58	35.87
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*390.49*	
10 21 13 19-0124	EA	24" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	764.33	38.63
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*425.98*	

10 21 13 19-0125 96" To 120", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilasters *(10 21 13 19-0094)*

10 21 13 19-0126	EA	Up To 4" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	336.51	22.07
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*181.26*	
10 21 13 19-0127	EA	5" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	369.86	24.83
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*198.52*	
10 21 13 19-0128	EA	6" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	407.15	27.59
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*218.22*	
10 21 13 19-0129	EA	8" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	462.27	30.35
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*248.97*	
10 21 13 19-0130	EA	10" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	517.95	33.11
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*280.07*	
10 21 13 19-0131	EA	12" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	573.06	35.87
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*310.81*	
10 21 13 19-0132	EA	18" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	742.13	38.63
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*412.21*	
10 21 13 19-0133	EA	22" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	832.26	41.39
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*464.67*	
10 21 13 19-0134	EA	24 x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	905.91	44.15
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*506.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0135		**Solid Phenolic Toilet Partitions And Urinal Screens** *(10 21 13 19)* Note: Complete toilet partitions for corner installations. Includes 3/4" door, 3/4" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of solid phenolic (resin impregnated kraft paper) core with a high pressure decorative matte surface finish as an integral part of the core material. Includes Class B fire rating.		
10 21 13 19-0136		**Solid Phenolic Toilet Partitions** *(10 21 13 19-0135)* Note: Includes all standard Bobrick colors.		
10 21 13 19-0137		**Floor Anchored, Solid Phenolic, Complete Toilet Partitions** *(10 21 13 19-0136)*		
10 21 13 19-0138	EA	36" x 60", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition	1,997.10	124.17
		For >10, Deduct	*-174.88*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	
		For NFPA Class A, Add	*379.66*	
10 21 13 19-0139	EA	60" x 60", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,455.16	135.21
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	
		For NFPA Class A, Add	*472.31*	
10 21 13 19-0140	EA	60" x 78", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,742.50	140.73
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	
		For NFPA Class A, Add	*530.89*	
10 21 13 19-0141		**Overhead Braced, Solid Phenolic, Complete Toilet Partitions** *(10 21 13 19-0136)* Note: Includes head rail.		
10 21 13 19-0142	EA	36" x 60", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition	2,215.77	151.77
		For >10, Deduct	*-191.22*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	
		For NFPA Class A, Add	*416.75*	
10 21 13 19-0143	EA	60" x 60", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,692.07	162.81
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	
		For NFPA Class A, Add	*513.24*	
10 21 13 19-0144	EA	60" x 78", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,993.31	168.33
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	
		For NFPA Class A, Add	*574.73*	
10 21 13 19-0145		**Floor And Ceiling Anchored, Solid Phenolic, Complete Toilet Partitions** *(10 21 13 19-0136)* Note: Excludes above ceiling steel.		
10 21 13 19-0146	EA	36" x 60", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition	2,285.90	179.37
		For >10, Deduct	*-192.72*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	
		For NFPA Class A, Add	*422.64*	
10 21 13 19-0147	EA	60" x 60", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,758.81	190.41
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	
		For NFPA Class A, Add	*518.42*	
10 21 13 19-0148	EA	60" x 78", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,046.15	195.92
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	
		For NFPA Class A, Add	*577.00*	
10 21 13 19-0149		**Ceiling Hung, Solid Phenolic, Complete Toilet Partitions** *(10 21 13 19-0136)* Note: Excludes above ceiling steel.		
10 21 13 19-0150	EA	36" x 60", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition	2,251.89	206.96
		For >10, Deduct	*-183.80*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	
		For NFPA Class A, Add	*406.67*	
10 21 13 19-0151	EA	60" x 60", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,709.61	218.00
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	
		For NFPA Class A, Add	*499.26*	
10 21 13 19-0152	EA	60" x 78", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,996.95	223.52
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	
		For NFPA Class A, Add	*557.83*	
10 21 13 19-0153		**Solid Phenolic Urinal Screens** *(10 21 13 19-0135)* Note: Includes all standard Bobrick colors.		
10 21 13 19-0154		**Floor Anchored, Solid Phenolic, Urinal Screens** *(10 21 13 19-0153)*		
10 21 13 19-0155	EA	24" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen	724.42	77.24
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*127.41*	
10 21 13 19-0156	EA	36" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen	819.46	82.75
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*145.61*	
10 21 13 19-0157	EA	48" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen	983.92	88.27
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*178.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 21 13 19-0158 Wall Hung, Solid Phenolic, Urinal Screens *(10 21 13 19-0153)*

10 21 13 19-0159	EA	18" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen	461.46	66.20
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*75.72*	
10 21 13 19-0160	EA	24" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen	534.97	71.72
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*89.39*	
10 21 13 19-0161	EA	30" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen	643.97	77.24
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*110.52*	

10 21 13 19-0162 Wall Hung And Post Supported, Solid Phenolic, Urinal Screens *(10 21 13 19-0153)*

10 21 13 19-0163	EA	18" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen	468.22	71.72
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*75.38*	
10 21 13 19-0164	EA	24" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen	587.49	77.24
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*98.66*	
10 21 13 19-0165	EA	30" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen	687.56	82.75
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*117.91*	

10 21 13 19-0166 Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screens *(10 21 13 19-0153)*

10 21 13 19-0167	EA	22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen	746.24	71.72
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*133.76*	
10 21 13 19-0168	EA	36" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen	841.85	77.24
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*152.07*	
10 21 13 19-0169	EA	48" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen	1,009.46	82.75
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*185.51*	

10 21 13 19-0170 Solid Phenolic Toilet Partition Doors, Panels And Pilasters *(10 21 13 19-0135)*

Note: Includes all standard Bobrick colors. See CSI section 10 21 13 43-0000 for accessories, 10 21 13 43-0001 for other accessories.

10 21 13 19-0171 Solid Phenolic, Toilet Partition Doors *(10 21 13 19-0170)*

10 21 13 19-0172	EA	24" x 58" x 3/4", Solid Phenolic, Toilet Partition Door	542.60	22.07
		For Heavy Gauge Full-Height SS Hinge, Add	*97.19*	
		For NFPA Class A, Add	*106.88*	
10 21 13 19-0173	EA	26" x 58" x 3/4", Solid Phenolic, Toilet Partition Door	561.35	22.07
		For Heavy Gauge Full-Height SS Hinge, Add	*97.19*	
		For NFPA Class A, Add	*110.82*	
10 21 13 19-0174	EA	30" x 58" x 3/4", Solid Phenolic, Toilet Partition Door	614.96	24.83
		For Heavy Gauge Full-Height SS Hinge, Add	*97.19*	
		For NFPA Class A, Add	*121.19*	
10 21 13 19-0175	EA	34" x 58" x 3/4", Solid Phenolic, ADA Compliant Toilet Partition Door	663.84	24.83
		For Heavy Gauge Full-Height SS Hinge, Add	*97.19*	
		For NFPA Class A, Add	*131.46*	
10 21 13 19-0176	EA	36" x 58" x 3/4", Solid Phenolic, ADA Compliant Toilet Partition Door	714.04	24.83
		For Heavy Gauge Full-Height SS Hinge, Add	*97.19*	
		For NFPA Class A, Add	*142.00*	

10 21 13 19-0177 Solid Phenolic, Toilet Partition Panels *(10 21 13 19-0170)*

10 21 13 19-0178	EA	6" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	170.11	33.11
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*25.13*	
10 21 13 19-0179	EA	12" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	227.53	35.87
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*36.30*	
10 21 13 19-0180	EA	18" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	310.92	38.63
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*52.93*	
10 21 13 19-0181	EA	24" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	395.19	41.39
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*69.74*	
10 21 13 19-0182	EA	30" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	440.87	44.15
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*78.45*	
10 21 13 19-0183	EA	36" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	488.83	46.91
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*87.64*	
10 21 13 19-0184	EA	42" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	570.89	49.67
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*103.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0185	EA	48" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	655.38	52.43
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*120.85*	
10 21 13 19-0186	EA	55" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	699.08	55.19
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*129.15*	
10 21 13 19-0187	EA	58" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	718.64	56.29
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*132.90*	
10 21 13 19-0188	EA	60" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	732.37	57.95
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*135.25*	
10 21 13 19-0189	EA	70" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	843.41	60.71
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*157.69*	
10 21 13 19-0190	EA	78" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	1,019.70	63.47
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*193.83*	

10 21 13 19-0191 69" Long, Solid Phenolic, Toilet Partition Pilasters *(10 21 13 19-0170)*

10 21 13 19-0192	EA	Up To 4" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	257.34	16.56
		For 1" Pilaster, Add	*28.03*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*48.74*	
10 21 13 19-0193	EA	5" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	296.19	19.31
		For 1" Pilaster, Add	*32.20*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*56.02*	
10 21 13 19-0194	EA	6" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	301.71	22.07
		For 1" Pilaster, Add	*32.20*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*56.30*	
10 21 13 19-0195	EA	8" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	349.58	24.83
		For 1" Pilaster, Add	*37.49*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*65.46*	
10 21 13 19-0196	EA	10" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	393.28	27.59
		For 1" Pilaster, Add	*42.26*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*73.76*	
10 21 13 19-0197	EA	12" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	436.98	30.35
		For 1" Pilaster, Add	*47.03*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*82.05*	
10 21 13 19-0198	EA	16" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	559.82	33.11
		For 1" Pilaster, Add	*61.70*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*106.97*	
10 21 13 19-0199	EA	20" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	688.22	35.87
		For 1" Pilaster, Add	*77.06*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*133.05*	
10 21 13 19-0200	EA	24" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	722.90	38.63
		For 1" Pilaster, Add	*80.70*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*139.45*	

10 21 13 19-0201 83" Long, Solid Phenolic, Toilet Partition Pilasters *(10 21 13 19-0170)*

10 21 13 19-0202	EA	Up To 4" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	282.34	16.56
		For 1" Pilaster, Add	*31.15*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*53.99*	
10 21 13 19-0203	EA	5" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	330.90	19.31
		For 1" Pilaster, Add	*36.53*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*63.31*	
10 21 13 19-0204	EA	6" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	336.42	22.07
		For 1" Pilaster, Add	*36.53*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*63.58*	
10 21 13 19-0205	EA	8" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	389.84	24.83
		For 1" Pilaster, Add	*42.52*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*73.92*	
10 21 13 19-0206	EA	10" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	440.48	27.59
		For 1" Pilaster, Add	*48.16*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*83.67*	
10 21 13 19-0207	EA	12" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	491.49	30.35
		For 1" Pilaster, Add	*53.85*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*93.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0208	EA	16" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	641.05	33.11
		For 1" Pilaster, Add	*71.85*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*124.02*	
10 21 13 19-0209	EA	20" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	764.25	35.87
		For 1" Pilaster, Add	*86.56*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*149.01*	
10 21 13 19-0210	EA	24" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	803.79	38.63
		For 1" Pilaster, Add	*90.82*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*156.43*	

10 21 13 19-0211 96" To 120" Long, Solid Phenolic, Toilet Partition Pilasters *(10 21 13 19-0170)*

10 21 13 19-0212	EA	Up To 4" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	318.37	22.07
		For 1" Pilaster, Add	*34.28*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*59.79*	
10 21 13 19-0213	EA	5" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	376.65	24.83
		For 1" Pilaster, Add	*40.87*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*71.15*	
10 21 13 19-0214	EA	6" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	382.17	27.59
		For 1" Pilaster, Add	*40.87*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*71.43*	
10 21 13 19-0215	EA	8" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	441.15	30.35
		For 1" Pilaster, Add	*47.56*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*82.93*	
10 21 13 19-0216	EA	10" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	498.73	33.11
		For 1" Pilaster, Add	*54.06*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*94.14*	
10 21 13 19-0217	EA	12" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	557.01	35.87
		For 1" Pilaster, Add	*60.66*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*105.49*	
10 21 13 19-0218	EA	16" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	733.31	38.63
		For 1" Pilaster, Add	*82.01*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*141.63*	
10 21 13 19-0219	EA	20" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	851.30	41.39
		For 1" Pilaster, Add	*96.06*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*165.53*	
10 21 13 19-0220	EA	24" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	895.69	44.15
		For 1" Pilaster, Add	*100.92*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
		For NFPA Class A, Add	*173.97*	

10 21 13 19-0221 Solid Color Reinforced Composite Toilet Partitions And Urinal Screens *(10 21 13 19)*

Note: Complete toilet partitions for corner installations. Includes 3/4" door, 3/4" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of solid color reinforced composite core with a high pressure decorative matte surface finish as an integral part of the core material.

10 21 13 19-0222 Solid Color Reinforced Composite Toilet Partitions *(10 21 13 19-0221)*

Note: Includes all standard Bobrick colors.

10 21 13 19-0223 Floor Anchored, Solid Color Reinforced Composite, Complete Toilet Partitions *(10 21 13 19-0222)*

10 21 13 19-0224	EA	36" x 60", Floor Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition	2,206.95	124.17
		For >10, Deduct	*-195.86*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	
10 21 13 19-0225	EA	60" x 60", Floor Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,717.32	135.21
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	
10 21 13 19-0226	EA	60" x 78", Floor Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,037.82	140.73
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	

10 21 13 19-0227 Overhead Braced, Solid Color Reinforced Composite, Complete Toilet Partitions *(10 21 13 19-0222)*

Note: Includes head rail.

10 21 13 19-0228	EA	36" x 60", Overhead Braced, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition	2,445.24	151.77
		For >10, Deduct	*-214.17*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0229	EA	60" x 60", Overhead Braced, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,976.04	162.81
For Heavy Gauge Full-Height SS Hinges And Brackets, Add			*217.99*	
10 21 13 19-0230	EA	60" x 78", Overhead Braced, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,312.11	168.33
For Heavy Gauge Full-Height SS Hinges And Brackets, Add			*217.99*	
10 21 13 19-0231		**Floor And Ceiling Anchored, Solid Color Reinforced Composite, Complete Toilet Partitions** *(10 21 13 19-0222)*		
		Note: Excludes above ceiling steel.		
10 21 13 19-0232	EA	36" x 60", Floor And Ceiling Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition	2,517.16	179.37
For >10, Deduct			*-215.84*	
For Heavy Gauge Full-Height SS Hinges And Brackets, Add			*217.99*	
10 21 13 19-0233	EA	60" x 60", Floor And Ceiling Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,044.17	190.41
For Heavy Gauge Full-Height SS Hinges And Brackets, Add			*217.99*	
10 21 13 19-0234	EA	60" x 78", Floor And Ceiling Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,364.67	195.92
For Heavy Gauge Full-Height SS Hinges And Brackets, Add			*217.99*	
10 21 13 19-0235		**Ceiling Hung, Solid Color Reinforced Composite, Complete Toilet Partitions** *(10 21 13 19-0222)*		
		Note: Excludes above ceiling steel.		
10 21 13 19-0236	EA	36" x 60", Ceiling Hung, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition	2,472.45	206.96
For >10, Deduct			*-205.85*	
For Heavy Gauge Full-Height SS Hinges And Brackets, Add			*217.99*	
10 21 13 19-0237	EA	60" x 60", Ceiling Hung, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,982.45	218.00
For Heavy Gauge Full-Height SS Hinges And Brackets, Add			*217.99*	
10 21 13 19-0238	EA	60" x 78", Ceiling Hung, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,302.94	223.52
For Heavy Gauge Full-Height SS Hinges And Brackets, Add			*217.99*	
10 21 13 19-0239		**Solid Color Reinforced Composite Urinal Screens** *(10 21 13 19-0221)*		
		Note: Includes all standard Bobrick colors.		
10 21 13 19-0240		**Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screens** *(10 21 13 19-0239)*		
10 21 13 19-0241	EA	24" x 58" x 1/2", Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	792.81	77.24
For Heavy Gauge Full-Height SS Brackets, Add			*60.40*	
10 21 13 19-0242	EA	36" x 58" x 1/2", Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	897.94	82.75
For Heavy Gauge Full-Height SS Brackets, Add			*60.40*	
10 21 13 19-0243	EA	48" x 58" x 1/2", Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	1,080.81	88.27
For Heavy Gauge Full-Height SS Brackets, Add			*60.40*	
10 21 13 19-0244		**Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screens** *(10 21 13 19-0239)*		
10 21 13 19-0245	EA	18" x 42" x 1/2", Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	500.95	66.20
For Heavy Gauge Full-Height SS Brackets, Add			*60.40*	
10 21 13 19-0246	EA	24" x 42" x 1/2", Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	581.96	71.72
For Heavy Gauge Full-Height SS Brackets, Add			*60.40*	
10 21 13 19-0247	EA	30" x 42" x 1/2", Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	702.71	77.24
For Heavy Gauge Full-Height SS Brackets, Add			*60.40*	
10 21 13 19-0248		**Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screens** *(10 21 13 19-0239)*		
10 21 13 19-0249	EA	18" x 58" x 1/2", Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	507.19	71.72
For Heavy Gauge Full-Height SS Brackets, Add			*60.40*	
10 21 13 19-0250	EA	24" x 58" x 1/2", Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	639.45	77.24
For Heavy Gauge Full-Height SS Brackets, Add			*60.40*	
10 21 13 19-0251	EA	30" x 58" x 1/2", Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	750.20	82.75
For Heavy Gauge Full-Height SS Brackets, Add			*60.40*	
10 21 13 19-0252		**Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screens** *(10 21 13 19-0239)*		
10 21 13 19-0253	EA	22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	818.58	71.72
For Heavy Gauge Full-Height SS Brackets, Add			*60.40*	
10 21 13 19-0254	EA	36" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	924.34	77.24
For Heavy Gauge Full-Height SS Brackets, Add			*60.40*	
10 21 13 19-0255	EA	48" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	1,110.73	82.75
For Heavy Gauge Full-Height SS Brackets, Add			*60.40*	

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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0256		Solid Color Reinforced Composite Toilet Partition Doors, Panels And Pilasters *(10 21 13 19-0221)*		
		Note: Includes all standard Bobrick colors. See CSI section 10 21 13 43-0001 for other accessories.		
10 21 13 19-0257		Solid Color Reinforced Composite, Toilet Partition Doors *(10 21 13 19-0256)*		
10 21 13 19-0258	EA	24" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door	602.42	22.07
		For Heavy Gauge Full-Height SS Hinge, Add	*97.19*	
10 21 13 19-0259	EA	26" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door	623.41	22.07
		For Heavy Gauge Full-Height SS Hinge, Add	*97.19*	
10 21 13 19-0260	EA	30" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door	682.80	24.83
		For Heavy Gauge Full-Height SS Hinge, Add	*97.19*	
10 21 13 19-0261	EA	34" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door	737.54	24.83
		For Heavy Gauge Full-Height SS Hinge, Add	*97.19*	
10 21 13 19-0262	EA	36" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door	793.77	24.83
		For Heavy Gauge Full-Height SS Hinge, Add	*97.19*	
10 21 13 19-0263		Solid Color Reinforced Composite, Toilet Partition Panels *(10 21 13 19-0256)*		
10 21 13 19-0264	EA	6" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	182.58	33.11
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0265	EA	12" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	246.23	35.87
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0266	EA	18" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	338.96	38.63
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0267	EA	24" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	432.68	41.39
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0268	EA	30" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	483.17	44.15
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0269	EA	36" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	536.24	46.91
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0270	EA	42" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	627.47	49.67
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0271	EA	48" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	721.44	52.43
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0272	EA	55" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	769.73	55.19
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0273	EA	58" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	791.37	56.29
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0274	EA	60" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	806.35	57.95
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0275	EA	70" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	930.05	60.71
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0276	EA	78" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	1,126.84	63.47
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0277		69" Long, Solid Color Reinforced Composite, Toilet Partition Pilasters *(10 21 13 19-0256)*		
10 21 13 19-0278	EA	Up To 4" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	284.25	16.56
		For 1" Pilaster, Add	*31.39*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0279	EA	5" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	327.09	19.31
		For 1" Pilaster, Add	*36.06*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0280	EA	6" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	332.61	22.07
		For 1" Pilaster, Add	*36.06*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0281	EA	8" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	385.56	24.83
		For 1" Pilaster, Add	*41.99*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0282	EA	10" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	433.85	27.59
		For 1" Pilaster, Add	*47.33*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0283	EA	12" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	482.13	30.35
		For 1" Pilaster, Add	*52.68*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0284	EA	16" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	619.06	33.11
		For 1" Pilaster, Add	*69.10*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0285	EA	20" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	762.20	35.87
		For 1" Pilaster, Add	*86.31*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0286	EA	24" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	800.37	38.63
		For 1" Pilaster, Add	*90.39*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0287		83" Long, Solid Color Reinforced Composite, Toilet Partition Pilasters *(10 21 13 19-0256)*		
10 21 13 19-0288	EA	Up To 4" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	312.24	16.56
		For 1" Pilaster, Add	*34.89*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0289	EA	5" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	365.97	19.31
		For 1" Pilaster, Add	*40.92*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0290	EA	6" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	371.49	22.07
		For 1" Pilaster, Add	*40.92*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0291	EA	8" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	430.66	24.83
		For 1" Pilaster, Add	*47.62*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0292	EA	10" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	486.72	27.59
		For 1" Pilaster, Add	*53.94*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0293	EA	12" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	543.18	30.35
		For 1" Pilaster, Add	*60.31*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0294	EA	16" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	710.03	33.11
		For 1" Pilaster, Add	*80.48*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0295	EA	20" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	847.35	35.87
		For 1" Pilaster, Add	*96.95*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0296	EA	24" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	890.97	38.63
		For 1" Pilaster, Add	*101.71*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	

10 21 13 19-0297 96" To 120" Long, Solid Color Reinforced Composite, Toilet Partition Pilasters *(10 21 13 19-0256)*

10 21 13 19-0298	EA	Up To 4" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	351.28	22.07
		For 1" Pilaster, Add	*38.39*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0299	EA	5" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	415.89	24.83
		For 1" Pilaster, Add	*45.78*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0300	EA	6" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	421.41	27.59
		For 1" Pilaster, Add	*45.78*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0301	EA	8" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	486.80	30.35
		For 1" Pilaster, Add	*53.26*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0302	EA	10" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	550.63	33.11
		For 1" Pilaster, Add	*60.55*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0303	EA	12" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	615.24	35.87
		For 1" Pilaster, Add	*67.94*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0304	EA	16" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	812.04	38.63
		For 1" Pilaster, Add	*91.85*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0305	EA	20" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	943.52	41.39
		For 1" Pilaster, Add	*107.59*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0306	EA	24" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	992.58	44.15
		For 1" Pilaster, Add	*113.03*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	

10 21 13 19-0307 Solid Polyester (Corian) Toilet Partitions And Urinal Screens *(10 21 13 19)*

Note: Complete toilet partitions for corner installations. Includes 1/2" door (1" at edge), 1" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Produced or cast by combining unsaturated polyester resin with a combination of fillers, pigments and catalysts.

10 21 13 19-0308 Solid Polyester (Corian) Toilet Partitions *(10 21 13 19-0307)*

Note: Small particulate finish.

10 21 13 19-0309 Floor Anchored, Solid Polyester (Corian), Complete Toilet Partitions *(10 21 13 19-0308)*

10 21 13 19-0310	EA	36" x 60", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition	5,115.63	124.17
		For >10, Deduct	*-486.73*	
		For Solid Color Material (No Particulate), Deduct	*-1,119.47*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	
10 21 13 19-0311	EA	60" x 60", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	6,184.36	135.21
		For Solid Color Material (No Particulate), Deduct	*-1,360.20*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	
10 21 13 19-0312	EA	60" x 78", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	6,862.27	140.73
		For Solid Color Material (No Particulate), Deduct	*-1,513.58*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	

10 21 13 19-0313 Overhead Braced, Solid Polyester (Corian), Complete Toilet Partitions *(10 21 13 19-0308)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0314	EA	36" x 60", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition	5,303.40	151.77
		For >10, Deduct	*-499.99*	
		For Solid Color Material (No Particulate), Deduct	*-1,149.97*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	
10 21 13 19-0315	EA	60" x 60", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	6,983.55	162.81
		For Solid Color Material (No Particulate), Deduct	*-1,531.33*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	
10 21 13 19-0316	EA	60" x 78", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	7,736.13	168.33
		For Solid Color Material (No Particulate), Deduct	*-1,701.88*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	
10 21 13 19-0317		Floor And Ceiling Anchored, Solid Polyester (Corian), Complete Toilet Partitions *(10 21 13 19-0308)*		
		Note: Excludes above ceiling steel.		
10 21 13 19-0318	EA	36" x 60", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition	5,936.89	179.37
		For >10, Deduct	*-557.82*	
		For Solid Color Material (No Particulate), Deduct	*-1,282.98*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	
10 21 13 19-0319	EA	60" x 60", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	7,995.59	190.41
		For Solid Color Material (No Particulate), Deduct	*-1,751.40*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	
10 21 13 19-0320	EA	60" x 78", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	8,747.59	195.92
		For Solid Color Material (No Particulate), Deduct	*-1,921.82*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	
10 21 13 19-0321		Ceiling Hung, Solid Polyester (Corian), Complete Toilet Partitions *(10 21 13 19-0308)*		
		Note: Excludes above ceiling steel.		
10 21 13 19-0322	EA	36" x 60", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition	5,984.92	206.96
		For >10, Deduct	*-557.10*	
		For Solid Color Material (No Particulate), Deduct	*-1,281.33*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	
10 21 13 19-0323	EA	60" x 60", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	7,665.69	218.00
		For Solid Color Material (No Particulate), Deduct	*-1,662.83*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	
10 21 13 19-0324	EA	60" x 78", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	8,417.67	223.52
		For Solid Color Material (No Particulate), Deduct	*-1,833.25*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*217.99*	
10 21 13 19-0325		Solid Polyester (Corian) Urinal Screens *(10 21 13 19-0307)*		
10 21 13 19-0326		Floor Anchored, Solid Polyester (Corian), Urinal Screens *(10 21 13 19-0325)*		
10 21 13 19-0327	EA	24" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen	1,392.51	77.24
		For Solid Color Material (No Particulate), Deduct	*-284.75*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0328	EA	36" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen	1,848.14	82.75
		For Solid Color Material (No Particulate), Deduct	*-387.01*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0329	EA	48" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen	2,303.77	88.27
		For Solid Color Material (No Particulate), Deduct	*-489.26*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0330		Wall Hung, Solid Polyester (Corian), Urinal Screens *(10 21 13 19-0325)*		
10 21 13 19-0331	EA	18" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen	701.04	66.20
		For Solid Color Material (No Particulate), Deduct	*-130.79*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0332	EA	24" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen	901.60	71.72
		For Solid Color Material (No Particulate), Deduct	*-174.38*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0333	EA	30" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen	1,102.19	77.24
		For Solid Color Material (No Particulate), Deduct	*-217.98*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0334		Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screens *(10 21 13 19-0325)*		
10 21 13 19-0335	EA	18" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen	923.43	71.72
		For Solid Color Material (No Particulate), Deduct	*-179.40*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0336	EA	24" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen	1,156.77	77.24
		For Solid Color Material (No Particulate), Deduct	*-230.53*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0337	EA	30" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen	1,390.09	82.75
		For Solid Color Material (No Particulate), Deduct	*-281.66*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	

10 21 13 19-0338 Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screens

(10 21 13 19-0325)

10 21 13 19-0339	EA	22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen	1,429.93	71.72
		For Solid Color Material (No Particulate), Deduct	*-295.90*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0340	EA	34" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen	1,885.55	77.24
		For Solid Color Material (No Particulate), Deduct	*-398.15*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0341	EA	46" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen	2,341.18	82.75
		For Solid Color Material (No Particulate), Deduct	*-500.41*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	

10 21 13 19-0342 Solid Polyester (Corian) Toilet Partition Doors, Panels And Pilasters *(10 21 13 19-0307)*

See CSI section 10 21 13 43-0000 for accessories, 10 21 13 43-0001 for other accessories.

10 21 13 19-0343 Solid Polyester (Corian), Toilet Partition Doors *(10 21 13 19-0342)*

10 21 13 19-0344	EA	24" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	1,118.55	22.07
		For Solid Color Material (No Particulate), Deduct	*-247.11*	
		For Heavy Gauge Full-Height SS Hinge, Add	*97.19*	
10 21 13 19-0345	EA	26" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	1,195.34	22.07
		For Solid Color Material (No Particulate), Deduct	*-264.77*	
		For Heavy Gauge Full-Height SS Hinge, Add	*97.19*	
10 21 13 19-0346	EA	30" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	1,363.27	24.83
		For Solid Color Material (No Particulate), Deduct	*-302.13*	
		For Heavy Gauge Full-Height SS Hinge, Add	*97.19*	
10 21 13 19-0347	EA	34" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	1,521.73	24.83
		For Solid Color Material (No Particulate), Deduct	*-338.57*	
		For Heavy Gauge Full-Height SS Hinge, Add	*97.19*	
10 21 13 19-0348	EA	36" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	1,590.68	24.83
		For Solid Color Material (No Particulate), Deduct	*-354.43*	
		For Heavy Gauge Full-Height SS Hinge, Add	*97.19*	

10 21 13 19-0349 Solid Polyester (Corian), Toilet Partition Panels *(10 21 13 19-0342)*

10 21 13 19-0350	EA	6" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	288.51	33.11
		For Solid Color Material (No Particulate), Deduct	*-51.12*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0351	EA	12" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	516.34	35.87
		For Solid Color Material (No Particulate), Deduct	*-102.26*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0352	EA	18" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	744.14	38.63
		For Solid Color Material (No Particulate), Deduct	*-153.38*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0353	EA	24" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	971.97	41.39
		For Solid Color Material (No Particulate), Deduct	*-204.51*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0354	EA	30" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	1,199.77	44.15
		For Solid Color Material (No Particulate), Deduct	*-255.64*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0355	EA	36" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	1,427.56	46.91
		For Solid Color Material (No Particulate), Deduct	*-306.76*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0356	EA	42" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	1,655.39	49.67
		For Solid Color Material (No Particulate), Deduct	*-357.89*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0357	EA	48" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	1,883.19	52.43
		For Solid Color Material (No Particulate), Deduct	*-409.02*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0358	EA	55" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	2,148.05	55.19
		For Solid Color Material (No Particulate), Deduct	*-468.66*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0359	EA	58" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	2,261.42	56.29
		For Solid Color Material (No Particulate), Deduct	*-494.23*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0360	EA	60" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	2,338.82	57.95
		For Solid Color Material (No Particulate), Deduct	*-511.27*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0361	EA	70" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	2,714.82	60.71
		For Solid Color Material (No Particulate), Deduct	*-596.48*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0362	EA	78" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	3,016.72	63.47
		For Solid Color Material (No Particulate), Deduct	*-664.65*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	

10 21 13 19-0363 72" Long, Solid Polyester (Corian), Toilet Partition Pilasters *(10 21 13 19-0342)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0364	EA	Up To 4" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	381.98	16.56
		For Solid Color Material (No Particulate), Deduct	*-80.24*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0365	EA	5" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	474.72	19.31
		For Solid Color Material (No Particulate), Deduct	*-100.30*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0366	EA	6" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	567.46	22.07
		For Solid Color Material (No Particulate), Deduct	*-120.36*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0367	EA	8" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	747.44	24.83
		For Solid Color Material (No Particulate), Deduct	*-160.49*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0368	EA	10" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	927.40	27.59
		For Solid Color Material (No Particulate), Deduct	*-200.61*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0369	EA	12" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,107.36	30.35
		For Solid Color Material (No Particulate), Deduct	*-240.73*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0370	EA	18" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,636.19	33.11
		For Solid Color Material (No Particulate), Deduct	*-361.09*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0371	EA	22" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,990.61	35.87
		For Solid Color Material (No Particulate), Deduct	*-441.34*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0372	EA	24" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	2,170.56	38.63
		For Solid Color Material (No Particulate), Deduct	*-481.46*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0373		**82" Long, Solid Polyester (Corian), Toilet Partition Pilasters** *(10 21 13 19-0342)*		
10 21 13 19-0374	EA	Up To 4" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	430.43	16.56
		For Solid Color Material (No Particulate), Deduct	*-91.38*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0375	EA	5" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	535.31	19.31
		For Solid Color Material (No Particulate), Deduct	*-114.24*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0376	EA	6" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	628.80	22.07
		For Solid Color Material (No Particulate), Deduct	*-134.47*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0377	EA	8" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	859.50	24.83
		For Solid Color Material (No Particulate), Deduct	*-186.26*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0378	EA	10" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,048.53	27.59
		For Solid Color Material (No Particulate), Deduct	*-228.47*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0379	EA	12" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,252.71	30.35
		For Solid Color Material (No Particulate), Deduct	*-274.16*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0380	EA	18" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,854.25	33.11
		For Solid Color Material (No Particulate), Deduct	*-411.24*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0381	EA	22" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	2,257.12	35.87
		For Solid Color Material (No Particulate), Deduct	*-502.64*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0382	EA	24" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	2,461.30	38.63
		For Solid Color Material (No Particulate), Deduct	*-548.33*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0383		**96" To 120" Long, Solid Polyester (Corian), Toilet Partition Pilasters** *(10 21 13 19-0342)*		
10 21 13 19-0384	EA	Up To 4" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	567.46	22.07
		For Solid Color Material (No Particulate), Deduct	*-120.36*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0385	EA	5" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	703.82	24.83
		For Solid Color Material (No Particulate), Deduct	*-150.45*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0386	EA	6" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	840.18	27.59
		For Solid Color Material (No Particulate), Deduct	*-180.55*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0387	EA	8" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,107.36	30.35
		For Solid Color Material (No Particulate), Deduct	*-240.73*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0388	EA	10" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,374.53	33.11
		For Solid Color Material (No Particulate), Deduct	*-300.91*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0389	EA	12" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,641.71	35.87
		For Solid Color Material (No Particulate), Deduct	*-361.09*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0390	EA	18" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	2,432.22	38.63
		For Solid Color Material (No Particulate), Deduct	*-541.64*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	
10 21 13 19-0391	EA	22" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	2,961.08	41.39
		For Solid Color Material (No Particulate), Deduct	*-662.01*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0392	EA	24" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	3,228.25	44.15
		For Solid Color Material (No Particulate), Deduct	*-722.19*	
		For Heavy Gauge Full-Height SS Brackets, Add	*60.40*	

10 21 13 40 Stone Toilet Compartments *(10 21 13)*

10 21 13 40-0001 Stone Toilet Partitions And Urinal Screens *(10 21 13 40)*

10 21 13 40-0002 Floor And Ceiling Anchored, Stone Toilet Partitions And Urinal Screens *(10 21 13 40-0001)*

10 21 13 40-0003	SF	Floor And Ceiling Anchored, Stone Toilet, Urinal Or Shower Partition (White Carrara) Note: Thickness 1-1/4" to match standard of design. Facing: 1/4" thickness of natural marble as selected – panel to be double sided for an all stone finish. All exposed edges of panel shall be natural stone. Reinforcing: 3/4" aluminum honeycomb composite bonded with high strength epoxy. Incudes chrome-plated brass stirrup type U-brackets, chrome-plated brass HW and accessories, and theft-resistant-type heads and through-bolt application fasteners.	97.36	17.66

10 21 13 43 Compartments and Cubicles Common Accessories *(10 21 13)*

10 21 13 43-0001 Accessories *(10 21 13 43)*

10 21 13 43-0002	LF	Extruded Aluminum Headrails For Toilet Partitions And Urinal Screens	14.29	2.21
10 21 13 43-0003	LF	Stainless Steel Headrails For Toilet Partitions And Urinal Screens	24.87	2.21
10 21 13 43-0004	EA	Replacement Of 1-1/2" x 58" Stainless Steel Wall Posts	114.54	
10 21 13 43-0005	EA	Replacement Of 58" Aluminum Wall U Bracket	74.77	
10 21 13 43-0006	EA	Replacement Of 58" Aluminum Wall Two Ear Bracket	124.72	
10 21 13 43-0007	EA	Replacement Of 54" Stainless Steel Wall U Bracket	87.76	
10 21 13 43-0008	EA	Replacement Of 54" Stainless Steel Wall Two Ear Bracket	213.28	
10 21 13 43-0009	EA	Replacement Of 54" Plastic Wall Two Ear Bracket, All Colors	193.38	
10 21 13 43-0010	EA	Replacement Of 57-1/2" Stainless Steel Hinge	142.83	

10 21 16 Shower and Dressing Compartments *(10 21)*

10 21 16 17 Phenolic-Core Shower and Dressing Compartments *(10 21 16)*

10 21 16 17-0001 Shower Dividers *(10 21 16 17)*

10 21 16 17-0002 Solid Phenolic Core Laminated Plastic, Shower Dividers *(10 21 16 17-0001)*

Note: Cut to height in field. panels 58" high. Posts 1-1/4" square, 304 stainless steel satin finish. 1/2" thick panels.

10 21 16 17-0003	EA	18" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	1,289.03	137.97
		For 66" High Panels, Add	*151.96*	
10 21 16 17-0004	EA	24" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	1,648.82	149.01
		For 66" High Panels, Add	*202.62*	
10 21 16 17-0005	EA	36" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	2,164.35	165.57
		For 66" High Panels, Add	*274.98*	
10 21 16 17-0006	EA	48" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	2,557.21	193.17
		For 66" High Panels, Add	*325.63*	
10 21 16 17-0007	EA	57" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	2,950.11	220.76
		For 66" High Panels, Add	*376.29*	

10 21 16 17-0008 Solid Phenolic Core Laminated Plastic, Shower Dividers With Headrail And Curtain Track *(10 21 16 17-0001)*

Note: Cut to height in field. Panels 58" high. Posts 1-1/4" square, 304 stainless steel satin finish. 1/2" thick panels. Includes 3/4" stiles, 85" from floor to top of headrail. Head rail 4" wide. All stainless steel shoes and stainless steel fittings. Leveling devices are chromate treated double zinc plated steel. Overhead braced designed with concealed curtain tracks and hooks in head rail.

10 21 16 17-0009	EA	18" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	3,218.66	242.50
		For 66" High Panels, Add	*458.55*	
		For 6" Wide Head Rail, Add	*86.86*	
		For 8" Wide Head Rail, Add	*119.05*	
		For 10" Wide Head Rail, Add	*146.38*	
		For 12" Wide Head Rail, Add	*176.15*	
		For 18" Wide, 1/2" Thick Bench, Add	*133.50*	
		For 24" Wide, 1/2" Thick Bench, Add	*173.50*	
10 21 16 17-0010	EA	24" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	4,013.77	264.80
		For 66" High Panels, Add	*575.58*	
		For 6" Wide Head Rail, Add	*109.82*	
		For 8" Wide Head Rail, Add	*149.96*	
		For 10" Wide Head Rail, Add	*184.80*	
		For 12" Wide Head Rail, Add	*222.29*	
		For 18" Wide, 1/2" Thick Bench, Add	*137.97*	
		For 24" Wide, 1/2" Thick Bench, Add	*177.97*	
10 21 16 17-0011	EA	36" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	5,119.31	281.58
		For 66" High Panels, Add	*739.74*	
		For 6" Wide Head Rail, Add	*142.32*	
		For 8" Wide Head Rail, Add	*193.51*	
		For 10" Wide Head Rail, Add	*239.07*	
		For 12" Wide Head Rail, Add	*287.45*	
		For 18" Wide, 1/2" Thick Bench, Add	*141.32*	
		For 24" Wide, 1/2" Thick Bench, Add	*181.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 16 17-0012	EA	48" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	5,454.23	315.02
		For 66" High Panels, Add	*786.63*	
		For 6" Wide Head Rail, Add	*151.03*	
		For 8" Wide Head Rail, Add	*205.57*	
		For 10" Wide Head Rail, Add	*253.81*	
		For 12" Wide Head Rail, Add	*305.20*	
		For 18" Wide, 1/2" Thick Bench, Add	*148.00*	
		For 24" Wide, 1/2" Thick Bench, Add	*188.00*	
10 21 16 17-0013	EA	57" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	6,259.32	342.39
		For 66" High Panels, Add	*904.66*	
		For 6" Wide Head Rail, Add	*174.08*	
		For 8" Wide Head Rail, Add	*236.68*	
		For 10" Wide Head Rail, Add	*292.42*	
		For 12" Wide Head Rail, Add	*351.59*	
		For 18" Wide, 1/2" Thick Bench, Add	*153.47*	
		For 24" Wide, 1/2" Thick Bench, Add	*193.47*	

10 22 Partitions *(10 20)*

10 22 13 Wire Mesh Partitions *(10 22)*

10 22 13 00-0001 Wall Panels *(10 22 13)*

Note: Includes steel frame and posts. Posts bolted to floor.

10 22 13 00-0002	SF	Wire Mesh Wall Panel, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	14.87	1.38
		For 5' Wide Panels, Add	*0.61*	
10 22 13 00-0003	SF	Wire Mesh Wall Panel, 8 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	16.45	1.65
		For 5' Wide Panels, Add	*0.66*	
10 22 13 00-0004	SF	Wire Mesh Wall Panel, 6 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	25.12	1.93
		For 5' Wide Panels, Add	*1.06*	

10 22 13 00-0005 Ceiling Panels *(10 22 13)*

Note: Includes steel frame.

10 22 13 00-0006	SF	Wire Mesh Ceiling Panel, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	15.36	1.65
10 22 13 00-0007	SF	Wire Mesh Ceiling Panel, 8 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	16.95	1.93
10 22 13 00-0008	SF	Wire Mesh Ceiling Panel, 6 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	18.75	2.21

10 22 13 00-0009 Sliding Doors *(10 22 13)*

Note: Includes padlocks lugs and/or provisions for cylinder lock.

10 22 13 00-0010	EA	4' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	1,374.77	289.75
		For 8 Gauge, Add	*148.27*	
		For 6 Gauge, Add	*296.53*	
10 22 13 00-0011	EA	4' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	1,446.25	320.10
		For 8 Gauge, Add	*152.92*	
		For 6 Gauge, Add	*305.84*	
10 22 13 00-0012	EA	5' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	1,584.24	331.14
		For 8 Gauge, Add	*171.41*	
		For 6 Gauge, Add	*342.82*	
10 22 13 00-0013	EA	5' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	1,728.41	358.73
		For 8 Gauge, Add	*187.51*	
		For 6 Gauge, Add	*375.03*	
10 22 13 00-0014	EA	6' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	1,786.02	380.81
		For 8 Gauge, Add	*191.74*	
		For 6 Gauge, Add	*383.48*	
10 22 13 00-0015	EA	6' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	1,967.67	402.89
		For 8 Gauge, Add	*214.57*	
		For 6 Gauge, Add	*429.15*	
10 22 13 00-0016	EA	8' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	2,114.65	433.24
		For 8 Gauge, Add	*230.55*	
		For 6 Gauge, Add	*461.10*	
10 22 13 00-0017	EA	8' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	2,304.24	452.55
		For 8 Gauge, Add	*255.13*	
		For 6 Gauge, Add	*510.25*	
10 22 13 00-0018	EA	10' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	2,323.63	463.59
		For 8 Gauge, Add	*255.83*	
		For 6 Gauge, Add	*511.65*	
10 22 13 00-0019	EA	10' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	2,567.52	491.19
		For 8 Gauge, Add	*286.89*	
		For 6 Gauge, Add	*573.78*	

10 22 13 00-0020 Swing Doors *(10 22 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 13 00-0021		**Single Swing Door** *(10 22 13 00-0020)*		
10 22 13 00-0022	EA	3' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock	942.14	171.09
		For 8 Gauge, Add	*104.53*	
		For 6 Gauge, Add	*209.06*	
10 22 13 00-0023	EA	3' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock	1,014.46	193.17
		For 8 Gauge, Add	*113.54*	
		For 6 Gauge, Add	*227.07*	
10 22 13 00-0024	EA	3' x 9' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock	1,087.75	204.20
		For 8 Gauge, Add	*122.32*	
		For 6 Gauge, Add	*244.65*	
10 22 13 00-0025	EA	4' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock	1,069.65	220.76
		For 8 Gauge, Add	*116.30*	
		For 6 Gauge, Add	*232.59*	
10 22 13 00-0026	EA	4' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock	1,145.63	231.79
		For 8 Gauge, Add	*125.49*	
		For 6 Gauge, Add	*250.97*	
10 22 13 00-0027	EA	4' x 9' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock	1,196.96	242.83
		For 8 Gauge, Add	*130.98*	
		For 6 Gauge, Add	*261.95*	
10 22 13 00-0028		**Double Swing Doors** *(10 22 13 00-0020)*		
10 22 13 00-0029	EA	6' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock	1,492.73	275.95
		For 8 Gauge, Add	*168.72*	
		For 6 Gauge, Add	*337.44*	
10 22 13 00-0030	EA	6' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock	1,616.53	292.51
		For 8 Gauge, Add	*183.98*	
		For 6 Gauge, Add	*367.96*	
10 22 13 00-0031	EA	6' x 9' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock	1,740.30	309.06
		For 8 Gauge, Add	*199.23*	
		For 6 Gauge, Add	*398.46*	
10 22 13 00-0032	EA	8 x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock	1,868.13	331.14
		For 8 Gauge, Add	*213.99*	
		For 6 Gauge, Add	*427.99*	
10 22 13 00-0033	EA	8 x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock	2,047.46	347.69
		For 8 Gauge, Add	*237.58*	
		For 6 Gauge, Add	*475.16*	
10 22 13 00-0034	EA	8 x 9' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock	2,224.68	364.25
		For 8 Gauge, Add	*260.85*	
		For 6 Gauge, Add	*521.70*	
10 22 13 00-0035		**Dutch Doors** *(10 22 13)*		
		Note: Includes padlocks lugs and/or provisions for cylinder lock.		
10 22 13 00-0036	EA	3' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock	1,287.76	171.09
		For 8 Gauge, Add	*156.37*	
		For 6 Gauge, Add	*312.74*	
10 22 13 00-0037	EA	3' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock	1,366.24	193.17
		For 8 Gauge, Add	*166.30*	
		For 6 Gauge, Add	*332.61*	
10 22 13 00-0038	EA	3' x 9' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock	1,405.35	204.20
		For 8 Gauge, Add	*169.96*	
		For 6 Gauge, Add	*339.93*	
10 22 13 00-0039	EA	3' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock	1,477.56	231.79
		For 8 Gauge, Add	*175.28*	
		For 6 Gauge, Add	*350.55*	
10 22 13 00-0040	EA	4' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock	1,420.27	220.76
		For 8 Gauge, Add	*168.89*	
		For 6 Gauge, Add	*337.78*	
10 22 13 00-0041	EA	4' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock	1,507.24	231.79
		For 8 Gauge, Add	*179.73*	
		For 6 Gauge, Add	*359.45*	

10 22 19 Demountable Partitions *(10 22)*

10 22 19 13 Demountable Metal Partitions *(10 22 19)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 19 13-0001	LF	9' High Demountable Partition, 1.75 System, Aluminum Framed, Vinyl Clad Hardboard, Paper Honeycomb Core, 1.75"/2.5" Thick	175.47	17.55
		For >9, Add 21.93		
10 22 19 13-0002	LF	7' High Demountable Partition, 1.75 System, Aluminum Framed, Vinyl Clad Hardboard, Paper Honeycomb Core, 1.75"/2.5" Thick	154.43	13.98
		For >9, Add 19.30		
10 22 19 13-0003	LF	5' High Demountable Partition, 1.75 System, Aluminum Framed, Vinyl Clad Hardboard, Paper Honeycomb Core, 1.75"/2.5" Thick	133.40	10.51
		For >9, Add 16.68		
10 22 19 13-0004	LF	9' High Demountable Partition, Moveable Steel Wall, Mod System, Unitized Panel, 48" Wide, Backed Enamel	252.67	13.98
		For >9, Add 31.58		
10 22 19 13-0005	LF	9' High Demountable Partition, Moveable Steel Wall, Mod System, Unitized Panels, 48" Wide, Fabric	374.23	15.03
		For >9, Add 46.78		

10 22 19 43 Demountable Composite Partitions *(10 22 19)*

10 22 19 43-0001	LF	Demountable Partition, Mineral Fiber System, Unitized Panel, 9' High, 2-1/4" Thick, Aluminum Frame, Vinyl Clad	273.67	17.55
		For >9, Add 34.21		
10 22 19 43-0002	LF	Demountable Partition, Mineral Fiber System, Unitized Panel, 9' High, 2-1/4" Thick, Aluminum Frame, Fabric Clad	343.57	19.13
		For >9, Add 42.95		
10 22 19 43-0003	SF	Partition, Trackless Wall, Cork Finish, Semi-Acoustic, 1-5/8" Thick	57.79	2.63
		For Acoustical Partitions, Add	*5.26*	
10 22 19 43-0004	SF	Partition, Trackless Wall, Cork Finish, Semi-Acoustic, 1-5/8" Thick	71.98	4.41
		For Acoustical Partitions, Add	*6.31*	
10 22 19 43-0005	SF	Partition, Trackless Wall, Cork Finish, Acoustic, 2" Thick	61.64	2.73
		For Acoustical Partitions, Add	*5.61*	
10 22 19 43-0006	SF	Partition, Trackless Wall, Cork Finish, Acoustic, 2" Thick	88.23	3.78
		For Acoustical Partitions, Add	*8.08*	

10 22 19 53 Demountable Gypsum Partitions *(10 22 19)*

10 22 19 53-0001 Demountable Gypsum Partitions *(10 22 19 53)*

10 22 19 53-0002	LF	9' High Demountable Partition Gypsum System, 2" To 2.5" Steel Standard, 3" To 3-3/4" Thick, Vinyl Clad	138.79	17.55
		For >9, Add 17.35		
10 22 19 53-0003	LF	9' High Demountable Partition Gypsum System, 2" To 2.5" Steel Standard, 3" To 3-3/4" Thick, Fabric Clad	248.41	19.13
		For >9, Add 31.05		
10 22 19 53-0004	LF	9' High Demountable Partition Gypsum System, 2" To 2.5", Steel Standard, 3" To 3-3/4" Thick, Steel Clad	266.75	21.03
		For >9, Add 33.34		
10 22 19 53-0005	LF	9' High Demountable Partition Gypsum System, Unitized Panel, 2" To 2-1/2" Thick, Vinyl Clad	221.02	17.55
		For >9, Add 27.63		
10 22 19 53-0006	LF	9' High Demountable Partition Gypsum System, Unitized Panel, 2" To 2-1/2" Thick, Fabric Clad	371.64	19.13
		For >9, Add 46.46		

10 22 23 Portable Partitions, Screens, and Panels *(10 22)*

Note: Includes standard units, standard height glass and glazing. For 25 percent and 50 percent glass 1/4" plate glass is used. For 100 percent glass 1/4" tempered plate is used.

10 22 23 23 Movable Panel Systems *(10 22 23)*

10 22 23 23-0001 Portable Partitions *(10 22 23 23)*

10 22 23 23-0002	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 3'-0" Long, 4' High	350.26	8.41
10 22 23 23-0003	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 3'-0" Long, 5' High	373.20	9.35
10 22 23 23-0004	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 3'-0" Long, 6' High	443.63	11.25
10 22 23 23-0005	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 5'-0" Long, 4' High	258.82	4.84
10 22 23 23-0006	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 5'-0" Long, 5' High	274.46	5.57
10 22 23 23-0007	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 5'-0" Long, 6' High	308.30	6.72
10 22 23 23-0008	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 6'-0" Long, 5' High	263.10	5.15
10 22 23 23-0009	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Curved, 3'-0" Long, 5' High	467.97	9.35
10 22 23 23-0010	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Curved, 3'-0" Long, 6' High	513.83	11.25
10 22 23 23-0011	LF	Partitions, Portable, Economical Panels, Fabric Face, 4'-0" Long, 5' High	272.48	6.41
10 22 23 23-0012	LF	Partitions, Portable, Economical Panels, Fabric Face, 4'-0" Long, 6' High	309.86	7.46
10 22 23 23-0013	LF	Partitions, Portable, Economical Panels, Fabric Face, 5'-0" Long, 5' High	249.89	5.57
10 22 23 23-0014	LF	Partitions, Portable, Economical Panels, Fabric Face, 5'-0" Long, 6' High	280.22	6.72
10 22 23 23-0015	LF	Partitions, Portable, Economical Panels, Fabric Face, 3'-0" Curved, 5' High	415.32	9.35
10 22 23 23-0016	LF	Partitions, Portable, Economical Panels, Fabric Face, 3'-0" Curved, 6' High	468.20	11.25
10 22 23 23-0017	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 3'-0" Long, 5' High	422.34	9.35
10 22 23 23-0018	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 3'-0" Long, 6' High	513.83	11.25
10 22 23 23-0019	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 5'-0" Long, 5' High	327.11	5.57
10 22 23 23-0020	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 5'-0" Long, 6' High	367.97	6.72
10 22 23 23-0021	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 6'-0" Long, 5' High	345.59	5.15
10 22 23 23-0022	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 6'-0" Long, 6' High	412.33	6.10
10 22 23 23-0023	LF	Partitions, Portable, Economical Acoustic Panels, 40 NRC, 4'-0" Long, 5' High	198.77	6.41
10 22 23 23-0024	LF	Partitions, Portable, Economical Acoustic Panels, 40 NRC, 4'-0" Long, 6' High	234.40	7.46
10 22 23 23-0025	LF	Partitions, Portable, Economical Acoustic Panels, 40 NRC, 5'-0" Long, 6' High	211.78	6.72
10 22 23 23-0026	LF	Partitions, Portable, Economical Acoustic Panels, 40 NRC, 6'-0" Long, 5' High	154.29	5.15
10 22 23 23-0027	LF	Partitions, Portable, Metal Chalkboard, 6'-6" High, 1 Side	252.14	6.72
10 22 23 23-0028	LF	Partitions, Portable, Metal Chalkboard, 2 Sides	287.79	7.05
10 22 23 23-0029	LF	Partitions, Portable, Tackboard, Both Sides	231.29	6.83

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			MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 22 23 23-0030 Adjustable Barrier Panel System (Edge Guard) *(10 22 23 23)*
Note: Panels are opal or transparent. Includes self-leveling floor channel, 1/4" foam gasket to conform to ceiling, edge gaskets, grid clips, and cam locks.

10 22 23 23-0031	EA	4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4000)	689.84	
10 22 23 23-0032	EA	3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4001)	655.17	
10 22 23 23-0033	EA	2' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4002)	516.51	
10 22 23 23-0034	EA	2' Wide x 7'-8" To 10' High With High Efficiency Particulate Air (HEPA) Filtered Air Discharge Port, Fire Rated Containment Panel Assembly (Edge Guard 4002.1)	597.40	
10 22 23 23-0035	EA	4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 44" Door (Edge Guard 4003)	1,169.37	
10 22 23 23-0036	EA	7'-8" To 10' High, Hinged Corner Assembly (Edge Guard 4004)	235.84	
10 22 23 23-0037	EA	6" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4005)	316.04	
10 22 23 23-0038	EA	12" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4006)	339.15	
10 22 23 23-0039	EA	7'-8" To 10' High, Outside Corner Post (Edge Guard 4007)	195.39	
10 22 23 23-0040	EA	4'-4" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 48" Door (Edge Guard 4008) Note: Includes a hydraulic closer and a lever style lockset standard.	1,400.47	
10 22 23 23-0041	EA	7'-8" To 10' High, "T" Post Corner Assembly (Edge Guard 4009)	195.39	
10 22 23 23-0042	EA	3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 32" Door (Edge Guard 4010) Note: Includes a hydraulic closer and a lever style lockset standard.	1,053.82	
10 22 23 23-0043	EA	Closure Strips (Edge Guard 3003) Note: To seal panels to existing walls	14.09	
10 22 23 23-0044	EA	Digital Differential Pressure Gauge Kit (Edge Guard 3005)	323.28	

10 22 33 Accordion Folding Partitions *(10 22)*

10 22 33 00-0001 Accordion Doors/Partitions *(10 22 33)*
Note: Includes top support track and assembled panels.

10 22 33 00-0002	SF	15 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	90.39	5.20
		For <135, Add	*18.08*	
10 22 33 00-0003	SF	20 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	91.76	5.38
		For <135, Add	*18.35*	
10 22 33 00-0004	SF	31 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	96.13	5.55
		For <135, Add	*19.23*	
10 22 33 00-0005	SF	35 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	102.05	5.73
		For <135, Add	*20.41*	
10 22 33 00-0006	SF	39 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	103.81	5.90
		For <135, Add	*20.76*	
10 22 33 00-0007	SF	40 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	105.04	6.08
		For <135, Add	*21.01*	
10 22 33 00-0008	SF	41 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	106.23	6.24
		For <135, Add	*21.25*	
10 22 33 00-0009	SF	44 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	107.70	6.59
		For <135, Add	*21.54*	
10 22 33 00-0010	SF	47 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	114.28	6.59
		For <135, Add	*22.86*	
10 22 33 00-0011	SF	50 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	120.86	6.59
		For <135, Add	*24.17*	

10 22 43 Sliding Partitions *(10 22)*

10 22 43 00-0001 Operable Wall *(10 22 43)*
Note: Includes top support track, assembled panel and frames.

10 22 43 00-0002	SF	Up To 720 SF, Up To 12' Height Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	241.27	21.65
		Note: Includes pocket door, two ADA pass doors, track and hardware.		
		For 43 STC, Deduct	*-11.40*	
		For 49 STC, Add	*14.47*	
		For 52 STC, Add	*21.92*	
10 22 43 00-0003	SF	>720 To 1,200 SF, Up To 12 High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	224.28	17.44
		Note: Includes pocket door, two ADA pass doors, track and hardware.		
		For 43 STC, Deduct	*-11.15*	
		For 49 STC, Add	*14.16*	
		For 52 STC, Add	*21.45*	
10 22 43 00-0004	SF	>1,200 SF, Up To 12' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	211.74	14.48
		Note: Includes pocket door, two ADA pass doors, track and hardware.		
		For 43 STC, Deduct	*-10.92*	
		For 49 STC, Add	*13.86*	
		For 52 STC, Add	*20.99*	
10 22 43 00-0005	SF	Up To 1,080 SF, >12' To 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	205.80	15.21
		Note: Includes pocket door, two ADA pass doors, track and hardware.		
		For 43 STC, Deduct	*-10.38*	
		For 49 STC, Add	*13.17*	
		For 52 STC, Add	*19.96*	
10 22 43 00-0006	SF	>1,080 To 1,800 SF, >12' To 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	192.75	12.37
		Note: Includes pocket door, two ADA pass doors, track and hardware.		
		For 43 STC, Deduct	*-10.08*	
		For 49 STC, Add	*12.80*	
		For 52 STC, Add	*19.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 43 00-0007	SF	>1,800 SF, >12' To 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	185.05	11.13
		Note: Includes pocket door, two ADA pass doors, track and hardware.		
		For 43 STC, Deduct	*-9.84*	
		For 49 STC, Add	*12.49*	
		For 52 STC, Add	*18.93*	
10 22 43 00-0008	SF	Up To 1,440 SF, >18' To 22'-3" High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	182.84	12.00
		Note: Includes pocket door, two ADA pass doors, track and hardware.		
		For 43 STC, Deduct	*-9.53*	
		For 49 STC, Add	*12.09*	
		For 52 STC, Add	*18.33*	
10 22 43 00-0009	SF	>1,440 To 2,400 SF, >18' To 22'-3" High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	172.89	10.27
		Note: Includes pocket door, two ADA pass doors, track and hardware.		
		For 43 STC, Deduct	*-9.23*	
		For 49 STC, Add	*11.71*	
		For 52 STC, Add	*17.75*	
10 22 43 00-0010	SF	>2,400 SF, >18' To 22'-3" High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	166.05	9.15
		Note: Includes pocket door, two ADA pass doors, track and hardware.		
		For 43 STC, Deduct	*-8.99*	
		For 49 STC, Add	*11.41*	
		For 52 STC, Add	*17.29*	
10 22 43 00-0011	SF	Up To 160 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating	189.56	14.48
		Note: Includes pocket door, track and hardware.		
		For 44 STC, Deduct	*-9.46*	
		For 49 STC, Add	*12.01*	
		For 52 STC, Add	*18.19*	
10 22 43 00-0012	SF	>160 To 240 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating	175.04	11.01
		Note: Includes pocket door, track and hardware.		
		For 44 STC, Deduct	*-9.21*	
		For 49 STC, Add	*11.69*	
		For 52 STC, Add	*17.71*	
10 22 43 00-0013	SF	>240 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating	166.57	9.28
		Note: Includes pocket door, track and hardware.		
		For 44 STC, Deduct	*-8.99*	
		For 49 STC, Add	*11.42*	
		For 52 STC, Add	*17.30*	

10 22 43 00-0014 Custom Operable Partition Wall *(10 22 43)*

10 22 43 00-0015	SF	8'-5" Height, Folding Panel Partition System, 56 STC Rating (Kwik-Wal Model 3020)	254.59	14.48
		Note: Includes Steel Frame, Track Suspension System to GC supplied Structural Support System. Panel Finish: "MAHARAM, MODE, 009 CLAVICLE" Included. 1 Wall: 11'0" x 8'5" (3 Panels), 1 Wall: 22'0 x 8'5" (6 panels). Panel 2, 3 & 4 to have 4x4 MARKER BOARD (two sides)		
10 22 43 00-0016	SF	8'-5" Height, Operable Partition, Single Panel Manually Operated, 56 STC Rating 4.25" Acoustic Panel Partition (Modernfold ENCORE®)	350.39	5.72
		Note: Includes #RT100 track and trolley, SureSet™ 2" manual bottom seals, and expandable closure. Finish: Maharam Mode 009 Clavicle with (6) 48" marker boards - 3 on each side. Refer to elevation exhibit. Based on two openings, offset remote stack, with sizes to be (1) 11'-0"w x 8'-5"h and (1) 21'-10"w x 8'-5"h. No pocket doors. Doors at operable wall enclosures shall be custom millwork to match adjacent wood wall paneling (WD-1), not Modernfold pocket doors. (Use separate door task for this scope). Excludes upper structure support steel, engineering calculations, engineering of supporting materials, suspended guide rails holder, and welding of materials.		

10 26 Wall and Door Protection *(10 20)*

10 26 13 Corner Guards *(10 26)*

10 26 13 00-0001 Vinyl Corner Guards *(10 26 13)*

10 26 13 00-0002 Rigid Vinyl Corner Guards *(10 26 13 00-0001)*

10 26 13 00-0003 Surface Mounted, Rigid Vinyl Corner Guards *(10 26 13 00-0002)*

10 26 13 00-0004 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards *(10 26 13 00-0003)*

10 26 13 00-0005	LF	3/4" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-34)	7.71	3.31
		For >50 To 100, Deduct	*-1.38*	
		For >100 To 200, Deduct	*-1.93*	
		For >200, Deduct	*-2.59*	
10 26 13 00-0006	LF	1-1/2" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-12)	8.24	3.31
		For >50 To 100, Deduct	*-1.38*	
		For >100 To 200, Deduct	*-1.93*	
		For >200, Deduct	*-2.62*	
10 26 13 00-0007	LF	3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-13)	11.19	3.31
		For >50 To 100, Deduct	*-1.38*	
		For >100 To 200, Deduct	*-1.93*	
		For >200, Deduct	*-2.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0008	LF	4" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-14)	14.88	3.31
		For >50 To 100, Deduct	*-1.38*	
		For >100 To 200, Deduct	*-1.93*	
		For >200, Deduct	*-2.95*	
10 26 13 00-0009		135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards *(10 26 13 00-0003)*		
10 26 13 00-0010	LF	1-1/2" Wing, 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-1245)	14.21	3.31
		For >50 To 100, Deduct	*-1.38*	
		For >100 To 200, Deduct	*-1.93*	
		For >200, Deduct	*-2.92*	
10 26 13 00-0011		Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0001)*		
		Note: Includes closure caps.		
10 26 13 00-0012		Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0011)*		
10 26 13 00-0013		90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0012)*		
10 26 13 00-0014	LF	2" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-20)	14.28	4.96
		For >50 To 100, Deduct	*-2.07*	
		For >100 To 200, Deduct	*-2.89*	
		For >200, Deduct	*-4.02*	
		For Recycled Vinyl Retainer, Deduct	*-1.20*	
10 26 13 00-0015	LF	3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-10)	15.92	4.96
		For >50 To 100, Deduct	*-2.07*	
		For >100 To 200, Deduct	*-2.89*	
		For >200, Deduct	*-4.10*	
		For Recycled Vinyl Retainer, Deduct	*-1.53*	
10 26 13 00-0016	LF	Bullnose 3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-30)	17.56	4.96
		For >50 To 100, Deduct	*-2.07*	
		For >100 To 200, Deduct	*-2.89*	
		For >200, Deduct	*-4.19*	
		For Recycled Vinyl Retainer, Deduct	*-1.86*	
10 26 13 00-0017		135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0012)*		
10 26 13 00-0018	LF	3" Wing, 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-135)	20.63	4.96
		For >50 To 100, Deduct	*-2.07*	
		For >100 To 200, Deduct	*-2.89*	
		For >200, Deduct	*-4.34*	
		For Recycled Vinyl Retainer, Deduct	*-2.47*	
10 26 13 00-0019		End Wall Protector, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0012)*		
		Note: Includes two rigid vinyl corner guards with aluminum retainers and a vinyl wall covering filler strip inserted between guards.		
10 26 13 00-0020	LF	2" Wing, End Wall Protector, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-11)	29.28	6.62
		For >50 To 100, Deduct	*-2.76*	
		For >100 To 200, Deduct	*-3.86*	
		For >200, Deduct	*-5.88*	
		For Recycled Vinyl Retainer, Deduct	*-3.65*	
10 26 13 00-0021		Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0011)*		
10 26 13 00-0022		90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0021)*		
10 26 13 00-0023	LF	2" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-72)	19.00	4.96
		For >50 To 100, Deduct	*-2.07*	
		For >100 To 200, Deduct	*-2.89*	
		For >200, Deduct	*-4.26*	
		For Up To 2 HR Fire Rated, Add	*7.51*	
10 26 13 00-0024	LF	3" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-7)	22.89	4.96
		For >50 To 100, Deduct	*-2.07*	
		For >100 To 200, Deduct	*-2.89*	
		For >200, Deduct	*-4.45*	
		For Up To 2 HR Fire Rated, Add	*10.23*	
10 26 13 00-0025	LF	Bullnose 3" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-32)	21.22	4.96
		For >50 To 100, Deduct	*-2.07*	
		For >100 To 200, Deduct	*-2.89*	
		For >200, Deduct	*-4.37*	
		For Up To 2 HR Fire Rated, Add	*9.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0026		135 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0021)*		
10 26 13 00-0027	LF	3" Wing, 135 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-75)	24.55	4.96
		For >50 To 100, Deduct	*-2.07*	
		For >100 To 200, Deduct	*-2.89*	
		For >200, Deduct	*-4.54*	
		For Up To 2 HR Fire Rated, Add	*11.40*	
10 26 13 00-0028		End Wall Protector, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0021)*		
		Note: Includes two rigid vinyl corner guards with aluminum retainers and a vinyl wall covering filler strip inserted between guards.		
10 26 13 00-0029	LF	2" Wing, End Wall Protector, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-888)	51.39	6.62
		For >50 To 100, Deduct	*-2.76*	
		For >100 To 200, Deduct	*-3.86*	
		For >200, Deduct	*-6.98*	
		For Up To 2 HR Fire Rated, Add	*28.25*	
10 26 13 00-0030		Flexible Vinyl Corner Guards *(10 26 13 00-0001)*		
		Note: Includes adhesive for installation.		
10 26 13 00-0031		Surface Mounted, Flexible Vinyl Corner Guards *(10 26 13 00-0030)*		
10 26 13 00-0032		90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guards *(10 26 13 00-0031)*		
10 26 13 00-0033	LF	1-3/4" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-9)	10.58	3.31
		For >50 To 100, Deduct	*-1.38*	
		For >100 To 200, Deduct	*-1.93*	
		For >200, Deduct	*-2.74*	
		For Bolting To Concrete Or Masonry, Add	*2.42*	
10 26 13 00-0034	LF	2-1/2" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-3)	13.51	3.31
		For >50 To 100, Deduct	*-1.38*	
		For >100 To 200, Deduct	*-1.93*	
		For >200, Deduct	*-2.88*	
		For Bolting To Concrete Or Masonry, Add	*2.85*	
10 26 13 00-0035	LF	4" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-15)	15.88	3.31
		For >50 To 100, Deduct	*-1.38*	
		For >100 To 200, Deduct	*-1.93*	
		For >200, Deduct	*-3.00*	
		For Bolting To Concrete Or Masonry, Add	*3.21*	
10 26 13 00-0036		Polycarbonate Corner Guards *(10 26 13)*		
10 26 13 00-0037		Surface Mounted, Polycarbonate Corner Guards *(10 26 13 00-0036)*		
10 26 13 00-0038		90 Degree Angle, Surface Mounted, Polycarbonate Corner Guards *(10 26 13 00-0037)*		
10 26 13 00-0039	LF	3/4" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-16)	7.05	3.31
		For >50 To 100, Deduct	*-1.38*	
		For >100 To 200, Deduct	*-1.93*	
		For >200, Deduct	*-2.56*	
10 26 13 00-0040	LF	1-1/8" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-17)	8.48	3.31
		For >50 To 100, Deduct	*-1.38*	
		For >100 To 200, Deduct	*-1.93*	
		For >200, Deduct	*-2.63*	
10 26 13 00-0041	LF	2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-24)	10.15	3.31
		For >50 To 100, Deduct	*-1.38*	
		For >100 To 200, Deduct	*-1.93*	
		For >200, Deduct	*-2.72*	
10 26 13 00-0042	LF	2-1/2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-18)	11.16	3.31
		For >50 To 100, Deduct	*-1.38*	
		For >100 To 200, Deduct	*-1.93*	
		For >200, Deduct	*-2.77*	
10 26 13 00-0043	LF	Bullnose 2-1/2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-23)	10.79	3.31
		For >50 To 100, Deduct	*-1.38*	
		For >100 To 200, Deduct	*-1.93*	
		For >200, Deduct	*-2.75*	
10 26 13 00-0044		135 Degree Angle, Surface Mounted, Polycarbonate Corner Guards *(10 26 13 00-0037)*		
10 26 13 00-0045	LF	2-1/2" Wing, 135 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-19)	11.16	3.31
		For >50 To 100, Deduct	*-1.38*	
		For >100 To 200, Deduct	*-1.93*	
		For >200, Deduct	*-2.77*	
10 26 13 00-0046		Aluminum Corner Guards *(10 26 13)*		
10 26 13 00-0047		Surface Mounted, Aluminum Corner Guards *(10 26 13 00-0046)*		
10 26 13 00-0048		90 Degree Angle, Surface Mounted, Aluminum Corner Guards *(10 26 13 00-0047)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0049	LF	1" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-400)	9.96	3.31
		For >50 To 100, Deduct	*-1.38*	
		For >100 To 200, Deduct	*-1.93*	
		For >200, Deduct	*-2.71*	
10 26 13 00-0050	LF	2" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-401)	11.89	3.31
		For >50 To 100, Deduct	*-1.38*	
		For >100 To 200, Deduct	*-1.93*	
		For >200, Deduct	*-2.80*	
10 26 13 00-0051	LF	3" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-402)	13.09	3.31
		For >50 To 100, Deduct	*-1.38*	
		For >100 To 200, Deduct	*-1.93*	
		For >200, Deduct	*-2.86*	

10 26 13 00-0052 135 Degree Angle, Surface Mounted, Aluminum Corner Guards *(10 26 13 00-0047)*

10 26 13 00-0053	LF	1" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-403)	9.96	3.31
		For >50 To 100, Deduct	*-1.38*	
		For >100 To 200, Deduct	*-1.93*	
		For >200, Deduct	*-2.71*	
10 26 13 00-0054	LF	2" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-404)	11.89	3.31
		For >50 To 100, Deduct	*-1.38*	
		For >100 To 200, Deduct	*-1.93*	
		For >200, Deduct	*-2.80*	
10 26 13 00-0055	LF	3" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-405)	13.09	3.31
		For >50 To 100, Deduct	*-1.38*	
		For >100 To 200, Deduct	*-1.93*	
		For >200, Deduct	*-2.86*	

10 26 13 00-0056 Steel Corner Guards *(10 26 13)*

10 26 13 00-0057 Steel Angle Iron, Corner Guards *(10 26 13 00-0056)*

10 26 13 00-0058 Surface Mounted, Steel Angle Iron, Corner Guards *(10 26 13 00-0057)*

10 26 13 00-0059 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guards *(10 26 13 00-0058)*

10 26 13 00-0060	LF	1" x 1" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	12.89	3.98
		For Galvanizing, Add	*2.19*	
		For >50 To 100, Deduct	*-1.66*	
		For >100 To 200, Deduct	*-2.32*	
		For >200, Deduct	*-3.29*	
10 26 13 00-0061	LF	2" x 2" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	16.32	4.30
		For Galvanizing, Add	*3.20*	
		For >50 To 100, Deduct	*-1.79*	
		For >100 To 200, Deduct	*-2.51*	
		For >200, Deduct	*-3.68*	
10 26 13 00-0062	LF	2" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	17.35	4.47
		For Galvanizing, Add	*3.47*	
		For >50 To 100, Deduct	*-1.86*	
		For >100 To 200, Deduct	*-2.61*	
		For >200, Deduct	*-3.85*	
10 26 13 00-0063	LF	3" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	17.74	4.63
		For Galvanizing, Add	*3.51*	
		For >50 To 100, Deduct	*-1.93*	
		For >100 To 200, Deduct	*-2.70*	
		For >200, Deduct	*-3.98*	
10 26 13 00-0064	LF	3" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	22.01	4.80
		For Galvanizing, Add	*4.90*	
		For >50 To 100, Deduct	*-2.00*	
		For >100 To 200, Deduct	*-2.80*	
		For >200, Deduct	*-4.30*	
10 26 13 00-0065	LF	4" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	26.30	4.96
		For Galvanizing, Add	*6.31*	
		For >50 To 100, Deduct	*-2.07*	
		For >100 To 200, Deduct	*-2.89*	
		For >200, Deduct	*-4.62*	
10 26 13 00-0066	LF	6" x 6" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	44.66	6.62
		For Galvanizing, Add	*11.77*	
		For >50 To 100, Deduct	*-2.76*	
		For >100 To 200, Deduct	*-3.86*	
		For >200, Deduct	*-6.65*	

10 26 13 00-0067 Stainless Steel Corner Guards *(10 26 13)*

10 26 13 00-0068 Stainless Steel Corner Guards *(10 26 13 00-0067)*

Note: Includes 16 gauge, type 304 stainless steel corner guards with #4 satin finish.

10 26 13 00-0069 Surface Mounted, Stainless Steel Corner Guards *(10 26 13 00-0068)*

10 26 13 00-0070 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guards *(10 26 13 00-0069)*

10 26 13 00-0071	LF	1" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-520)	11.06	3.31
		For >50 To 100, Deduct	*-1.38*	
		For >100 To 200, Deduct	*-1.93*	
		For >200, Deduct	*-2.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0072	LF	2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-510)	12.76	3.31
		For >50 To 100, Deduct	*-1.38*	
		For >100 To 200, Deduct	*-1.93*	
		For >200, Deduct	*-2.85*	
10 26 13 00-0073	LF	3-1/2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-500)	17.19	3.31
		For >50 To 100, Deduct	*-1.38*	
		For >100 To 200, Deduct	*-1.93*	
		For >200, Deduct	*-3.07*	
10 26 13 00-0074	LF	Bullnose 3-1/2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-550)	17.19	3.31
		For >50 To 100, Deduct	*-1.38*	
		For >100 To 200, Deduct	*-1.93*	
		For >200, Deduct	*-3.07*	
10 26 13 00-0075		135 Degree Angle, Surface Mounted, Stainless Steel Corner Guards *(10 26 13 00-0069)*		
10 26 13 00-0076	LF	3-1/2" Wing, 135 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-600)	17.19	3.31
		For >50 To 100, Deduct	*-1.38*	
		For >100 To 200, Deduct	*-1.93*	
		For >200, Deduct	*-3.07*	
10 26 13 00-0077	LF	Bullnose 3-1/2" Wing, 135 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-650)	17.19	3.31
		For >50 To 100, Deduct	*-1.38*	
		For >100 To 200, Deduct	*-1.93*	
		For >200, Deduct	*-3.07*	
10 26 13 00-0078		Stainless Steel Angle Iron, Corner Guards *(10 26 13 00-0067)*		
10 26 13 00-0079		Surface Mounted, Stainless Steel Angle Iron, Corner Guards *(10 26 13 00-0078)*		
10 26 13 00-0080		90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guards *(10 26 13 00-0079)*		
10 26 13 00-0081	LF	1" x 1" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	21.10	3.98
		For >50 To 100, Deduct	*-1.66*	
		For >100 To 200, Deduct	*-2.32*	
		For >200, Deduct	*-3.70*	
10 26 13 00-0082	LF	2" x 2" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	34.62	4.30
		For >50 To 100, Deduct	*-1.79*	
		For >100 To 200, Deduct	*-2.51*	
		For >200, Deduct	*-4.60*	
10 26 13 00-0083	LF	2" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	48.11	4.47
		For >50 To 100, Deduct	*-1.86*	
		For >100 To 200, Deduct	*-2.61*	
		For >200, Deduct	*-5.39*	
10 26 13 00-0084	LF	3" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	45.00	4.63
		For >50 To 100, Deduct	*-1.93*	
		For >100 To 200, Deduct	*-2.70*	
		For >200, Deduct	*-5.34*	
10 26 13 00-0085	LF	3" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	63.97	4.80
		For >50 To 100, Deduct	*-2.00*	
		For >100 To 200, Deduct	*-2.80*	
		For >200, Deduct	*-6.40*	
10 26 13 00-0086	LF	4" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	59.19	4.96
		For >50 To 100, Deduct	*-2.07*	
		For >100 To 200, Deduct	*-2.89*	
		For >200, Deduct	*-6.27*	
10 26 13 00-0087		Rubber Corner Guards *(10 26 13)*		
		Note: Includes adhesive for installation.		
10 26 13 00-0088		Natural Rubber Corner Guards *(10 26 13 00-0087)*		
10 26 13 00-0089		Surface Mounted, Natural Rubber Corner Guards *(10 26 13 00-0088)*		
10 26 13 00-0090		90 Degree Angle, Surface Mounted, Natural Rubber Corner Guards *(10 26 13 00-0089)*		
10 26 13 00-0091	LF	4-3/4" Wing, 90 Degree Angle, Surface Mounted, Natural Rubber Corner Guard (Pawling CG-5)	49.36	3.31
		For >50 To 100, Deduct	*-1.38*	
		For >100 To 200, Deduct	*-1.93*	
		For >200, Deduct	*-4.68*	
		For Bolting To Concrete Or Masonry, Add	*8.23*	
10 26 13 00-0092		Styrene-Butadiene Rubber (SBR) Corner Guards *(10 26 13 00-0087)*		
10 26 13 00-0093		Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guards *(10 26 13 00-0092)*		
10 26 13 00-0094		90 Degree Angle, Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guards *(10 26 13 00-0093)*		
10 26 13 00-0095	LF	4-5/8" Wing, 90 Degree Angle, Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guard (Pawling CG-2)	22.36	3.31
		For >50 To 100, Deduct	*-1.38*	
		For >100 To 200, Deduct	*-1.93*	
		For >200, Deduct	*-3.33*	
		For Bolting To Concrete Or Masonry, Add	*4.18*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0096		Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards *(10 26 13 00-0087)*		
10 26 13 00-0097		Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards *(10 26 13 00-0096)*		
10 26 13 00-0098		90 Degree Angle, Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards *(10 26 13 00-0097)*		
10 26 13 00-0099	LF	4-5/8" Wing, 90 Degree Angle, Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guard (Pawling CG-2E)	19.66	3.31
		For >50 To 100, Deduct	*-1.38*	
		For >100 To 200, Deduct	*-1.93*	
		For >200, Deduct	*-3.19*	
		For Bolting To Concrete Or Masonry, Add	*3.78*	
10 26 16		**Bumper Guards** *(10 26)*		
10 26 16 13		**Bumper Rails** *(10 26 16)*		
10 26 16 13-0001		Crash Rails *(10 26 16 13)* Note: Includes end caps.		
10 26 16 13-0002		Polycarbonate Crash Rails *(10 26 16 13-0001)*		
10 26 16 13-0003	LF	3" High, 5/16" Deep, Polycarbonate Crash Rail (Pawling CR-3)	12.40	4.41
		For >50 To 100, Deduct	*-2.21*	
		For >100 To 200, Deduct	*-3.09*	
		For >200, Deduct	*-4.15*	
10 26 16 13-0004	LF	4" High, 5/16" Deep, Polycarbonate Crash Rail (Pawling CR-4)	13.67	4.41
		For >50 To 100, Deduct	*-2.21*	
		For >100 To 200, Deduct	*-3.09*	
		For >200, Deduct	*-4.22*	
10 26 16 13-0005		Aluminum Crash Rails *(10 26 16 13-0001)*		
10 26 16 13-0006	LF	4" High, 3-1/4" Deep, Aluminum Crash Rail (Pawling CRA-100)	35.74	4.41
		For >50 To 100, Deduct	*-2.21*	
		For >100 To 200, Deduct	*-3.09*	
		For >200, Deduct	*-5.32*	
10 26 16 13-0007		Stainless Steel Crash Rails *(10 26 16 13-0001)*		
10 26 16 13-0008	LF	4" High, 3-1/4" Deep, Stainless Steel Crash Rail (Pawling CRS-100)	62.64	4.41
		For >50 To 100, Deduct	*-2.21*	
		For >100 To 200, Deduct	*-3.09*	
		For >200, Deduct	*-6.66*	
10 26 16 13-0009	LF	5-1/2" High, 1-1/2" Deep, Stainless Steel Crash Rail (Pawling CRS-200)	49.19	4.41
		For >50 To 100, Deduct	*-2.21*	
		For >100 To 200, Deduct	*-3.09*	
		For >200, Deduct	*-5.99*	
10 26 16 13-0010		Wall Guards *(10 26 16 13)*		
10 26 16 13-0011		Rigid Vinyl Wall Guards With Aluminum Retainers *(10 26 16 13-0010)* Note: Includes end caps.		
10 26 16 13-0012	LF	1-1/2" High, 1-1/2" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-1)	12.77	3.87
		For >50 To 100, Deduct	*-1.93*	
		For >100 To 200, Deduct	*-2.70*	
		For >200, Deduct	*-3.73*	
10 26 16 13-0013	LF	3" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-3)	15.54	4.41
		For >50 To 100, Deduct	*-2.21*	
		For >100 To 200, Deduct	*-3.09*	
		For >200, Deduct	*-4.31*	
10 26 16 13-0014	LF	4" High, 3/4" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-4)	16.79	4.41
		For >50 To 100, Deduct	*-2.21*	
		For >100 To 200, Deduct	*-3.09*	
		For >200, Deduct	*-4.37*	
10 26 16 13-0015	LF	5" High, 1-1/16" Deep, Curved, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-5)	17.47	4.41
		For >50 To 100, Deduct	*-2.21*	
		For >100 To 200, Deduct	*-3.09*	
		For >200, Deduct	*-4.41*	
10 26 16 13-0016	LF	6" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-6)	20.82	4.69
		For >50 To 100, Deduct	*-2.35*	
		For >100 To 200, Deduct	*-3.28*	
		For >200, Deduct	*-4.79*	
10 26 16 13-0017	LF	8" High, 1-1/16" Deep, Curved, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-7)	20.93	4.69
		For >50 To 100, Deduct	*-2.35*	
		For >100 To 200, Deduct	*-3.28*	
		For >200, Deduct	*-4.80*	
10 26 16 13-0018	LF	7-3/4" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-8)	21.53	4.69
		For >50 To 100, Deduct	*-2.35*	
		For >100 To 200, Deduct	*-3.28*	
		For >200, Deduct	*-4.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 16 13-0019	LF	12" High, 2" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-12)	25.85	4.96
		For >50 To 100, Deduct	*-2.48*	
		For >100 To 200, Deduct	*-3.47*	
		For >200, Deduct	*-5.26*	

10 26 16 13-0020 Rubber Wall Guards *(10 26 16 13-0010)*

10 26 16 13-0021 D-Shaped, Rubber Wall Guards *(10 26 16 13-0020)*

10 26 16 13-0022	LF	2" High, 1-3/4" Deep, D-Shaped, Rubber Wall Guard (Pawling D-2)	17.07	3.87
		For >50 To 100, Deduct	*-1.93*	
		For >100 To 200, Deduct	*-2.70*	
		For >200, Deduct	*-3.94*	
10 26 16 13-0023	LF	3" High, 3" Deep, D-Shaped, Rubber Wall Guard (Pawling D-3)	24.97	4.41
		For >50 To 100, Deduct	*-2.21*	
		For >100 To 200, Deduct	*-3.09*	
		For >200, Deduct	*-4.78*	
10 26 16 13-0024	LF	4" High, 4-1/4" Deep, D-Shaped, Rubber Wall Guard (Pawling D-4)	36.61	4.41
		For >50 To 100, Deduct	*-2.21*	
		For >100 To 200, Deduct	*-3.09*	
		For >200, Deduct	*-5.36*	
10 26 16 13-0025	LF	6" High, 6" Deep, D-Shaped, Rubber Wall Guard (Pawling D-6)	51.27	4.41
		For >50 To 100, Deduct	*-2.21*	
		For >100 To 200, Deduct	*-3.09*	
		For >200, Deduct	*-6.10*	

10 26 16 13-0026 Rectangular, Rubber Wall Guards *(10 26 16 13-0020)*

10 26 16 13-0027	LF	8" High, 1-1/2" Deep, Rectangular, Rubber Wall Guard (Pawling E-1)	39.18	4.69
		For >50 To 100, Deduct	*-2.35*	
		For >100 To 200, Deduct	*-3.28*	
		For >200, Deduct	*-5.71*	
10 26 16 13-0028	LF	9" High, 2" Deep, Rectangular, Rubber Wall Guard (Pawling M-2)	49.34	4.96
		For >50 To 100, Deduct	*-2.48*	
		For >100 To 200, Deduct	*-3.47*	
		For >200, Deduct	*-6.44*	

10 26 16 13-0029 Wing Type, Rubber Wall Guards *(10 26 16 13-0020)*

10 26 16 13-0030	LF	6" High, 2" Deep, Wing Type, Rubber Wall Guard (Pawling WT-20)	63.99	4.41
		For >50 To 100, Deduct	*-2.21*	
		For >100 To 200, Deduct	*-3.09*	
		For >200, Deduct	*-6.73*	
10 26 16 13-0031	LF	6" High, 3" Deep, Wing Type, Rubber Wall Guard (Pawling WT-30)	68.02	4.41
		For >50 To 100, Deduct	*-2.21*	
		For >100 To 200, Deduct	*-3.09*	
		For >200, Deduct	*-6.93*	
10 26 16 13-0032	LF	3-7/8" High, 2-1/2" Deep, Wing Type, Rubber Wall Guard (Pawling WT-25)	31.24	3.87
		For >50 To 100, Deduct	*-1.93*	
		For >100 To 200, Deduct	*-2.70*	
		For >200, Deduct	*-4.65*	

10 26 16 13-0033 U-Shaped, Rubber Wall Guards *(10 26 16 13-0020)*

10 26 16 13-0034	LF	3-1/8" High, 3-7/8" Deep, U-Shaped, Rubber Wall Guard (Pawling U-4)	54.11	4.69
		For >50 To 100, Deduct	*-2.35*	
		For >100 To 200, Deduct	*-3.28*	
		For >200, Deduct	*-6.46*	
10 26 16 13-0035	LF	4-1/2" High, 3-1/2" Deep, U-Shaped, Rubber Wall Guard (Pawling U-3)	60.50	4.69
		For >50 To 100, Deduct	*-2.35*	
		For >100 To 200, Deduct	*-3.28*	
		For >200, Deduct	*-6.78*	

10 26 16 13-0036 Accent Rails *(10 26 16 13)*

Note: Includes end caps.

10 26 16 13-0037 Oval, Rigid Vinyl Accent Rails With Aluminum Retainers *(10 26 16 13-0036)*

10 26 16 13-0038	LF	1-1/8" High, 1-1/16" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling EB-25)	14.97	3.87
		For >50 To 100, Deduct	*-1.93*	
		For >100 To 200, Deduct	*-2.70*	
		For >200, Deduct	*-3.84*	
10 26 16 13-0039	LF	2" High, 1-1/8" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling EBR-30)	14.99	3.87
		For >50 To 100, Deduct	*-1.93*	
		For >100 To 200, Deduct	*-2.70*	
		For >200, Deduct	*-3.84*	
10 26 16 13-0040	LF	2" High, 1-3/4" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling WG-22)	21.19	3.87
		For >50 To 100, Deduct	*-1.93*	
		For >100 To 200, Deduct	*-2.70*	
		For >200, Deduct	*-4.15*	

10 26 16 16 Protective Corridor Handrails *(10 26 16)*

10 26 16 16-0001 Protective Corridor Handrails *(10 26 16 16)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 26 16 16-0002 Vinyl/Acrylic Protective Corridor Handrails With Aluminum Retainers *(10 26 16 16-0001)*

10 26 16 16-0003	LF	1-1/2" Diameter, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HR-6CN)	32.37	8.27
		For >50 To 100, Deduct	*-4.14*	
		For >100 To 200, Deduct	*-5.79*	
		For >200, Deduct	*-8.24*	
10 26 16 16-0004	EA	End Cap For 1-1/2" Diameter, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn)	27.85	8.27
		For >25 To 50, Deduct	*-4.14*	
		For >50 To 100, Deduct	*-5.79*	
		For >100, Deduct	*-8.01*	
10 26 16 16-0005	LF	5-1/2" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HRB-4C)	45.93	8.27
		For >50 To 100, Deduct	*-4.14*	
		For >100 To 200, Deduct	*-5.79*	
		For >200, Deduct	*-8.92*	
10 26 16 16-0006	EA	End Cap For 5-1/2" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn)	36.89	8.27
		For >25 To 50, Deduct	*-4.14*	
		For >50 To 100, Deduct	*-5.79*	
		For >100, Deduct	*-8.46*	
10 26 16 16-0007	LF	6-1/4" High, Vinyl/Acrylic Crash And Handrail With Aluminum Retainer (Acrovyn HRB-10CN)	48.19	8.27
		For >50 To 100, Deduct	*-4.14*	
		For >100 To 200, Deduct	*-5.79*	
		For >200, Deduct	*-9.03*	
10 26 16 16-0008	EA	End Cap For 6-1/4" High, Vinyl/Acrylic Crash And Handrail With Aluminum Retainer (Acrovyn)	52.71	8.27
		For >25 To 50, Deduct	*-4.14*	
		For >50 To 100, Deduct	*-5.79*	
		For >100, Deduct	*-9.26*	
10 26 16 16-0009	LF	6" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HR-8CN)	64.00	8.27
		For >50 To 100, Deduct	*-4.14*	
		For >100 To 200, Deduct	*-5.79*	
		For >200, Deduct	*-9.82*	
10 26 16 16-0010	EA	End Cap For 6" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn)	70.78	8.27
		For >25 To 50, Deduct	*-4.14*	
		For >50 To 100, Deduct	*-5.79*	
		For >100, Deduct	*-10.16*	

10 26 16 16-0011 Stainless Steel Protective Corridor Handrails *(10 26 16 16-0001)*

10 26 16 16-0012	LF	5-7/8" High, Stainless Steel Protective Corridor Handrail (Acrovyn P-RS)	86.60	8.27
		For >50 To 100, Deduct	*-4.14*	
		For >100 To 200, Deduct	*-5.79*	
		For >200, Deduct	*-10.95*	
10 26 16 16-0013	EA	End Cap For 5-7/8" High, Stainless Steel Protective Corridor Handrail (Acrovyn)	88.86	8.27
		For >25 To 50, Deduct	*-4.14*	
		For >50 To 100, Deduct	*-5.79*	
		For >100, Deduct	*-11.06*	

10 26 16 16-0014 Hardwood Protective Corridor Handrails *(10 26 16 16-0001)*

Note: Includes end caps.

10 26 16 16-0015	LF	4" High, Vinyl Protective Corridor Handrail With 1-1/2" Diameter Wood (Pawling BR-400C)	30.00	6.19
		For >50 To 100, Deduct	*-3.10*	
		For >100 To 200, Deduct	*-4.34*	
		For >200, Deduct	*-6.46*	
		For Maple, Add	*0.53*	
10 26 16 16-0016	LF	5-1/2" Diameter, Hardwood Protective Corridor Handrail With Vinyl Inserts (Pawling BR-5500)	35.84	6.61
		For >50 To 100, Deduct	*-3.30*	
		For >100 To 200, Deduct	*-4.62*	
		For >200, Deduct	*-7.08*	
10 26 16 16-0017	LF	1-1/2" Diameter, Hardwood Protective Corridor Handrail (Pawling BR-1500)	26.23	6.19
		For >50 To 100, Deduct	*-3.10*	
		For >100 To 200, Deduct	*-4.34*	
		For >200, Deduct	*-6.27*	
		For Maple, Add	*5.95*	
		For Oak, Add	*6.64*	

10 26 23 Protective Wall Covering *(10 26)*

10 26 23 13 Impact Resistant Wall Protection *(10 26 23)*

10 26 23 13-0001 Impact Resistant Wall Protection *(10 26 23 13)*

Note: Includes standard trim.

10 26 23 13-0002	SF	0.030" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-30)	8.20	2.76
10 26 23 13-0003	SF	0.040" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-40)	8.52	2.76
10 26 23 13-0004	SF	0.060" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-60)	10.41	2.76

10 26 23 13-0005 Interior Polyvinyl Chloride (PVC) Soffit System *(10 26 23 13)*

Note: DecoShield Systems, Inc. Concealment system for fire sprinkler piping, plumbing lines, HVAC, cable and conduit.

10 26 23 13-0006 "L" Design *(10 26 23 13-0005)*

10 26 23 13-0007 L-Shield *(10 26 23 13-0006)*

10 26 23 13-0008	LF	2.38" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1" Shield Size For 3/4" And 1" Pipe	16.83	2.76

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 23 13-0009	LF	3" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1-1/4" Shield Size For 1-1/4" And 1-1/2" Pipe	19.31	3.87
10 26 23 13-0010	LF	3.75" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2" Shield Size For 2" Pipe	25.38	4.96
10 26 23 13-0011	LF	5.75" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2-1/2" Shield Size For 2-1/2" Pipe	35.04	6.07
10 26 23 13-0012		**"Combo" Hanger** *(10 26 23 13-0006)*		
10 26 23 13-0013	EA	Combination "Combo" Hanger, L-Support, For 3/4" Pipe	17.94	5.52
10 26 23 13-0014	EA	Combination "Combo" Hanger, L-Support, For 1" Pipe	20.69	6.63
10 26 23 13-0015	EA	Combination "Combo" Hanger, L-Support, For 1-1/4" Pipe	23.88	7.72
10 26 23 13-0016	EA	Combination "Combo" Hanger, L-Support, For 1-1/2" Pipe	26.49	8.83
10 26 23 13-0017	EA	Combination "Combo" Hanger, L-Support, For 2" Pipe	29.67	9.93
10 26 23 13-0018		**Snap-2 Pipe Hanger** *(10 26 23 13-0006)*		
10 26 23 13-0019	EA	Snap-2 Pipe Hanger, L-Support, For 3/4" Pipe	14.63	5.52
10 26 23 13-0020	EA	Snap-2 Pipe Hanger, L-Support, For 1" Pipe	17.79	6.63
10 26 23 13-0021	EA	Snap-2 Pipe Hanger, L-Support, For 1-1/4" Pipe	20.70	7.72
10 26 23 13-0022	EA	Snap-2 Pipe Hanger, L-Support, For 1-1/2" Pipe	24.14	8.83
10 26 23 13-0023	EA	Snap-2 Pipe Hanger, L-Support, For 2" Pipe	27.73	9.93
10 26 23 13-0024		**Coupling** *(10 26 23 13-0006)*		
10 26 23 13-0025	EA	Coupling, L-Shield, 1" Shield Size	9.80	2.76
10 26 23 13-0026	EA	Coupling, L-Shield, 1-1/4" Shield Size	14.20	3.87
10 26 23 13-0027	EA	Coupling, L-Shield, 2" Shield Size	20.55	4.96
10 26 23 13-0028	EA	Coupling, L-Shield, 2-1/2" Shield Size	25.80	6.07
10 26 23 13-0029		**Coupling, Reducer** *(10 26 23 13-0006)*		
10 26 23 13-0030	EA	Coupling, Reducing, L-Shield, 1-1/4" x 1" Shield Size	28.70	3.31
10 26 23 13-0031	EA	Coupling, Reducing, L-Shield, 2" x 1" Shield Size	35.31	3.87
10 26 23 13-0032	EA	Coupling, Reducing, L-Shield, 2" x 1-1/4" Shield Size	41.94	4.41
10 26 23 13-0033	EA	Coupling, Reducing, L-Shield, 2-1/2" x 2" Shield Size	166.66	5.52
10 26 23 13-0034		**Shield Clips** *(10 26 23 13-0006)*		
10 26 23 13-0035	EA	Shield Clips, L-Support, 1" Shield Size	5.93	1.65
10 26 23 13-0036	EA	Shield Clips, L-Support, 1-1/4" Shield Size	8.83	2.76
10 26 23 13-0037	EA	Shield Clips, L-Support, 2" Shield Size	11.58	3.87
10 26 23 13-0038	EA	Shield Clips, L-Support, 2-1/2" Shield Size	12.97	4.96
10 26 23 13-0039		**Wall Flange** *(10 26 23 13-0006)*		
10 26 23 13-0040	EA	Wall Flange, L-Shield, 1" Shield Size	9.52	2.76
10 26 23 13-0041	EA	Wall Flange, L-Shield, 1-1/4" Shield Size	13.65	3.87
10 26 23 13-0042	EA	Wall Flange, L-Shield, 2" Shield Size	20.00	4.96
10 26 23 13-0043	EA	Wall Flange, L-Shield, 2-1/2" Shield Size	86.17	6.07
10 26 23 13-0044		**End Cap** *(10 26 23 13-0006)*		
10 26 23 13-0045	EA	End Cap, L-Shield, 1" Shield Size	10.07	1.65
10 26 23 13-0046	EA	End Cap, L-Shield, 1-1/4" Shield Size	13.25	2.76
10 26 23 13-0047	EA	End Cap, L-Shield, 2" Shield Size	18.34	3.87
10 26 23 13-0048	EA	End Cap, L-Shield, 2-1/2" Shield Size	88.02	4.96
10 26 23 13-0049		**Inside/Outside Corner** *(10 26 23 13-0006)*		
10 26 23 13-0050	EA	Inside/Outside Corner, L-Shield, 1" Shield Size	63.88	5.52
10 26 23 13-0051	EA	Inside/Outside Corner, L-Shield, 1-1/4" Shield Size	68.70	6.63
10 26 23 13-0052	EA	Inside/Outside Corner, L-Shield, 2" Shield Size	82.92	8.28
10 26 23 13-0053	EA	Inside/Outside Corner, L-Shield, 2-1/2" Shield Size	146.10	9.93
10 26 23 13-0054		**Joiner** *(10 26 23 13-0006)*		
10 26 23 13-0055	LF	Joiner, L-Shield	13.11	1.65
10 26 23 13-0056		**"U" Design** *(10 26 23 13-0005)*		
10 26 23 13-0057		**U-Shield** *(10 26 23 13-0056)*		
10 26 23 13-0058	LF	2.25" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1" Shield Size For 3/4" And 1" Pipe	20.42	2.76
10 26 23 13-0059	LF	2.875" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1-1/4" Shield Size For 1-1/4" Pipe	25.38	3.87
10 26 23 13-0060	LF	3.68" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2" Shield Size For 1-1/2" And 2" Pipe	32.42	3.87
10 26 23 13-0061		**"Combo" Hanger** *(10 26 23 13-0056)*		
10 26 23 13-0062	EA	Combination "Combo" Hanger, U-Support For 3/4" Pipe	15.32	5.52
10 26 23 13-0063	EA	Combination "Combo" Hanger, U-Support For 1" Pipe	18.21	6.63
10 26 23 13-0064	EA	Combination "Combo" Hanger, U-Support For 1-1/4" Pipe	20.98	7.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 23 13-0065	EA	Combination "Combo" Hanger, U-Support For 1-1/2" Pipe	26.08	8.83
10 26 23 13-0066	EA	Combination "Combo" Hanger, U-Support For 2" Pipe	29.53	9.93
10 26 23 13-0067		**Snap-2 Pipe Hanger** *(10 26 23 13-0056)*		
10 26 23 13-0068	EA	Snap-2 Pipe Hanger, U-Support, For 3/4" Pipe	14.35	5.52
10 26 23 13-0069	EA	Snap-2 Pipe Hanger, U-Support, For 1" Pipe	17.52	6.63
10 26 23 13-0070	EA	Snap-2 Pipe Hanger, U-Support, For 1-1/4" Pipe	21.39	7.72
10 26 23 13-0071	EA	Snap-2 Pipe Hanger, U-Support, For 1-1/2" Pipe	23.87	8.83
10 26 23 13-0072	EA	Snap-2 Pipe Hanger, U-Support, For 2" Pipe	27.60	9.93
10 26 23 13-0073		**Coupling** *(10 26 23 13-0056)*		
10 26 23 13-0074	EA	Coupling, U-Shield, 1" Shield Size	11.73	2.76
10 26 23 13-0075	EA	Coupling, U-Shield, 1-1/4" Shield Size	14.62	3.87
10 26 23 13-0076	EA	Coupling, U-Shield, 2" Shield Size	17.79	4.96
10 26 23 13-0077		**Coupling, Reducer** *(10 26 23 13-0056)*		
10 26 23 13-0078	EA	Reducing Coupling, U-Shield, 1-1/4" x 1" Shield Size	34.22	3.31
10 26 23 13-0079	EA	Reducing Coupling, U-Shield, 2" x 1" Shield Size	40.83	3.87
10 26 23 13-0080	EA	Reducing Coupling, U-Shield, 2" x 1-1/4" Shield Size	43.32	4.41
10 26 23 13-0081		**Shield Clips** *(10 26 23 13-0056)*		
10 26 23 13-0082	EA	Shield Clips, U-Support, 1" Shield Size	5.38	1.65
10 26 23 13-0083	EA	Shield Clips, U-Support, 1-1/4" Shield Size	7.87	2.76
10 26 23 13-0084	EA	Shield Clips, U-Support, 2" Shield Size	10.34	3.87
10 26 23 13-0085		**Wall Flange** *(10 26 23 13-0056)*		
10 26 23 13-0086	EA	Wall Flange, U-Shield, 1" Shield Size	11.31	2.76
10 26 23 13-0087	EA	Wall Flange, U-Shield, 1-1/4" Shield Size	14.48	3.87
10 26 23 13-0088	EA	Wall Flange, U-Shield, 2" Shield Size	17.66	4.96
10 26 23 13-0089		**End Cap** *(10 26 23 13-0056)*		
10 26 23 13-0090	EA	End Cap, U-Shield, 1" Shield Size	10.76	1.65
10 26 23 13-0091	EA	End Cap, U-Shield, 1-1/4" Shield Size	14.35	2.76
10 26 23 13-0092	EA	End Cap, U-Shield, 2" Shield Size	17.79	3.87
10 26 23 13-0093		**Inside/Outside Corner** *(10 26 23 13-0056)*		
10 26 23 13-0094	EA	Inside/Outside Corner, U-Shield, 1" Shield Size	80.57	5.52
10 26 23 13-0095	EA	Inside/Outside Corner, U-Shield, 1-1/4" Shield Size	89.53	6.63
10 26 23 13-0096	EA	Inside/Outside Corner, U-Shield, 2" Shield Size	105.82	8.28
10 26 23 13-0097		**Elbow** *(10 26 23 13-0056)*		
10 26 23 13-0098	EA	Elbow, U-Shield, 1" Shield Size	79.05	5.52
10 26 23 13-0099	EA	Elbow, U-Shield, 1-1/4" Shield Size	86.77	6.63
10 26 23 13-0100	EA	Elbow, U-Shield, 2" Shield Size	103.20	8.28
10 26 23 13-0101		**Tee** *(10 26 23 13-0056)*		
10 26 23 13-0102	EA	Tee, U-Shield, 1" x 1" x 1" Shield Size	99.75	8.28
10 26 23 13-0103	EA	Tee, U-Shield, 1-1/4" x 1-1/4" x 1-1/4" Shield Size	110.79	9.93
10 26 23 13-0104	EA	Tee, U-Shield, 2" x 2" x 2" Shield Size	129.27	12.14
10 26 23 13-0105	EA	Tee, U-Shield, 1-1/4" x 1-1/4" x 1" Shield Size	131.89	9.39
10 26 23 13-0106	EA	Tee, U-Shield, 2" x 2" x 1-1/4" Shield Size	141.96	11.59
10 26 23 13-0107		**Cross** *(10 26 23 13-0056)*		
10 26 23 13-0108	EA	Cross, U-Shield, 1" Shield Size	181.41	11.04
10 26 23 13-0109	EA	Cross, U-Shield, 1-1/4" Shield Size	203.08	13.24
10 26 23 13-0110	EA	Cross, U-Shield, 2" Shield Size	246.67	16.56
10 26 23 13-0111	EA	Cross, U-Shield, 1-1/4" x 1" Shield Size	249.43	12.14
10 26 23 13-0112	EA	Cross, U-Shield, 2" x 1-1/4" Shield Size	273.99	14.90
10 26 23 13-0113		**Transition Fittings (L to U Or U to L)** *(10 26 23 13-0005)*		
10 26 23 13-0114		**Coupling Transition** *(10 26 23 13-0113)*		
10 26 23 13-0115	EA	Transition Coupling, 1" x 1", LxU or UxL	30.63	2.76
10 26 23 13-0116	EA	Transition Coupling, 1-1/4" x 1-1/4", LxU or UxL	34.48	3.87
10 26 23 13-0117	EA	Transition Coupling, 2" x 2", LxU or UxL	42.90	4.96
10 26 23 13-0118	EA	Transition Coupling, 1" x 1-1/4", LxU or UxL	34.64	3.31
10 26 23 13-0119	EA	Transition Coupling, 1-1/4" x 2", LxU or UxL	43.04	4.41
10 26 23 13-0120	EA	Transition Coupling, 2" x 2-1/2", LxU or UxL	174.52	5.52

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 23 13-0121		**Elbow Transition** *(10 26 23 13-0113)*		
10 26 23 13-0122	EA	Transition Elbow, 1" x 1" (UxL)	106.78	5.52
10 26 23 13-0123	EA	Transition Elbow, 1-1/4" x 1-1/4" (UxL)	115.61	6.63
10 26 23 13-0124	EA	Transition Elbow, 2" x 2" (UxL)	135.48	8.28
10 26 23 13-0125	EA	Transition Elbow, 1" x 1-1/4" (UxL)	166.66	6.07
10 26 23 13-0126	EA	Transition Elbow, 1-1/4" x 1" (UxL)	117.54	6.07
10 26 23 13-0127	EA	Transition Elbow, 1-1/4" x 2" (UxL)	175.77	7.72
10 26 23 13-0128	EA	Transition Elbow, 2" x 1-1/4" (UxL)	135.90	7.72
10 26 23 13-0129	EA	Transition Elbow, 2" x 2-1/2" (UxL)	211.36	8.83
10 26 23 13-0130		**Tee Transition** *(10 26 23 13-0113)*		
10 26 23 13-0131	EA	Transition Tee, 1" x 1" x 1" (LxLxU)	121.96	8.28
10 26 23 13-0132	EA	Transition Tee, 1-1/4" x 1-1/4" x 1-1/4" (LxLxU)	141.00	9.93
10 26 23 13-0133	EA	Transition Tee, 2" x 2" x 2" (LxLxU)	163.90	12.14
10 26 23 13-0134	EA	Transition Tee, 1-1/4" x 1-1/4" x 1" (LxLxU)	128.71	9.39
10 26 23 13-0135	EA	Transition Tee, 1-1/4" x 1-1/4" x 2" (LxLxU)	203.09	10.48
10 26 23 13-0136	EA	Transition Tee, 2" x 2" x 1-1/4" (LxLxU)	143.21	11.59
10 26 23 13-0137	EA	Transition Tee, 2-1/2" x 2-1/2" x 2" (LxLxU)	195.90	13.80
10 26 23 13-0138		**Fittings (L Or U)** *(10 26 23 13-0005)*		
10 26 23 13-0139		**Hugger Hangers For Steel Pipe** *(10 26 23 13-0138)*		
10 26 23 13-0140	EA	Hugger Hanger, For 1/2" Steel Pipe	11.73	4.41
10 26 23 13-0141	EA	Hugger Hanger, For 3/4" Steel Pipe	14.63	5.52
10 26 23 13-0142	EA	Hugger Hanger, For 1" Steel Pipe	17.10	6.63
10 26 23 13-0143	EA	Hugger Hanger, For 1-1/4" Steel Pipe	19.74	7.72
10 26 23 13-0144	EA	Hugger Hanger, For 1-1/2" Steel Pipe	22.21	8.83
10 26 23 13-0145	EA	Hugger Hanger, For 2" Steel Pipe	24.97	8.83
10 26 23 13-0146	EA	Hugger Hanger, For 2-1/2" Steel Pipe	27.45	11.04
10 26 23 13-0147	EA	Hugger Hanger, For 3" Steel Pipe	34.76	12.14
10 26 23 13-0148		**Hugger Hangers For Copper Pipe** *(10 26 23 13-0138)*		
10 26 23 13-0149	EA	1/2" Copper Pipe, Hugger Hanger	11.87	4.41
10 26 23 13-0150	EA	3/4" Copper Pipe, Hugger Hanger	14.76	5.52
10 26 23 13-0151	EA	1" Copper Pipe, Hugger Hanger	17.24	6.63
10 26 23 13-0152	EA	1-1/4" Copper Pipe, Hugger Hanger	19.87	7.72
10 26 23 13-0153	EA	1-1/2" Copper Pipe, Hugger Hanger	22.35	8.83
10 26 23 13-0154	EA	2" Copper Pipe, Hugger Hanger	25.25	9.93
10 26 23 13-0155	EA	2-1/2" Copper Pipe, Hugger Hanger	27.73	11.04
10 26 23 13-0156	EA	3" Copper Pipe, Hugger Hanger	35.18	12.14
10 26 23 13-0157		**Shield Extension (L Or U)** *(10 26 23 13-0138)*		
10 26 23 13-0158	LF	Shield Extension	16.00	1.65
10 26 23 13-0159		**Interior Steel Soffit System** *(10 26 23 13)*		
		Note: Concealment system for fire sprinkler piping, plumbing lines, HVAC, cable and conduit. Includes factory painted finish and field touch-up.		
10 26 23 13-0160	SF	24 Gauge Steel, U-Shield (JG Innovations Soffi-Steel)	29.98	4.96
		For 22 Gauge Steel, Add	*2.01*	
		For 20 Gauge Steel, Add	*4.29*	
		For 18 Gauge Steel, Add	*8.42*	
		For 16 Gauge Steel, Add	*12.93*	
		For Stainless Steel, Add	*5.01*	
10 26 23 13-0161	EA	U-Shield Wall Flange (JG Innovations Soffi-Steel)	45.86	13.80
		For Stainless Steel, Add	*4.57*	
10 26 23 13-0162	EA	U-Shield Corner (JG Innovations Soffi-Steel)	119.47	16.56
		For Stainless Steel, Add	*21.31*	
10 26 23 13-0163	EA	U-Shield End Cap (JG Innovations Soffi-Steel)	36.05	8.28
		For Stainless Steel, Add	*4.87*	
10 26 23 13-0164	EA	U-Shield Clip (JG Innovations Soffi-Steel)	7.41	3.31
		For Stainless Steel, Add	*0.20*	
10 26 23 13-0165	SF	24 Gauge Steel, L-Shield (JG Innovations Soffi-Steel)	34.24	4.96
		For 22 Gauge Steel, Add	*1.82*	
		For 20 Gauge Steel, Add	*3.89*	
		For 18 Gauge Steel, Add	*7.54*	
		For 16 Gauge Steel, Add	*12.64*	
		For Stainless Steel, Add	*6.08*	
10 26 23 13-0166	EA	L-Shield Wall Flange (JG Innovations Soffi-Steel)	45.86	13.80
		For Stainless Steel, Add	*4.57*	
10 26 23 13-0167	EA	L-Shield Corner (JG Innovations Soffi-Steel)	119.47	16.56
		For Stainless Steel, Add	*21.31*	
10 26 23 13-0168	EA	L-Shield End Cap (JG Innovations Soffi-Steel)	31.63	6.07
		For Stainless Steel, Add	*4.87*	
10 26 23 13-0169	EA	L-Shield Clip (JG Innovations Soffi-Steel)	7.41	3.31
		For Stainless Steel, Add	*0.20*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 26 41 Bullet Resistant Panels *(10 26)*

10 26 41 00-0001 Laminated Bullet Resistant Fiberglass Panel *(10 26 41)*

Note: Material consisting of multiple layers of woven roving ballistic grade fiberglass cloth impregnated with a thermoset polyester resin and compressed into rigid flat sheets.

10 26 41 00-0002	SF	1/8" Thick Ballistic Resistant Fiberglass Panel, 1.2 Lb./SF		22.12	1.56
10 26 41 00-0003	SF	3/16" Thick Ballistic Resistant Fiberglass Panel, 2 Lb./SF		30.47	1.67
10 26 41 00-0004	SF	1/4" Thick Ballistic Resistant Fiberglass Panel, 2.4 To 2.6 Lb./SF		34.49	1.78
10 26 41 00-0005	SF	5/16" Thick Ballistic Resistant Fiberglass Panel, 3 To 3.6 Lb./SF		36.69	1.89
10 26 41 00-0006	SF	3/8" Thick Ballistic Resistant Fiberglass Panel, 3.6 To 3.9 Lb./SF		39.76	2.00
10 26 41 00-0007	SF	7/16" Thick Ballistic Resistant Fiberglass Panel, 4 To 4.9 Lb./SF		42.81	2.12
10 26 41 00-0008	SF	9/16" Thick Ballistic Resistant Fiberglass Panel, 5.5 To 6.6 Lb./SF		72.99	2.56
10 26 41 00-0009	SF	1-1/8" Thick Ballistic Resistant Fiberglass Panel, 11 To 11.7 Lb./SF		104.92	4.01
10 26 41 00-0010	SF	1-3/16" Thick Ballistic Resistant Fiberglass Panel, 12 To 13.2 Lb./SF		124.89	4.78
10 26 41 00-0011	SF	1-5/16" Thick Ballistic Resistant Fiberglass Panel, 13.4 To 14 Lb./SF		150.55	5.23
10 26 41 00-0012	SF	1-7/16" Thick Ballistic Resistant Fiberglass Panel, 15.2 To 16 Lb./SF		171.40	5.56

10 28 Toilet, Bath, and Laundry Accessories *(10 20)*

10 28 13 Toilet Accessories *(10 28)*

10 28 13 13 Commercial Toilet Accessories *(10 28 13)*

10 28 13 13-0001 Toilet Accessories *(10 28 13 13)*

10 28 13 13-0002 Dispensers *(10 28 13 13-0001)*

10 28 13 13-0003 Paper Towel Dispensers *(10 28 13 13-0002)*

10 28 13 13-0004 Stainless Steel Paper Towel Dispensers *(10 28 13 13-0003)*

10 28 13 13-0005	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-262)		110.14	24.82
10 28 13 13-0006	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-2620)		117.77	24.82
10 28 13 13-0007	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-2621)		118.90	24.82
10 28 13 13-0008	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-26212)		121.09	24.82
10 28 13 13-0009	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-263)		181.38	24.82
10 28 13 13-0010	EA	Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-359)		195.54	24.82
10 28 13 13-0011	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Contura B-4262)		214.30	24.82
10 28 13 13-0012	EA	Countertop Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick TrimLine B-526)		222.13	11.03
10 28 13 13-0013	EA	Concealed Cabinet, Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-318)		372.23	24.82
10 28 13 13-0014	EA	Touch Free, Surface Mounted, Stainless Steel Roll Paper Towel Dispenser (Bobrick B-2860)		440.06	24.82
10 28 13 13-0015	EA	Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-4369)		473.73	24.82
10 28 13 13-0016	EA	Recessed Automated Touchless Towel Dispenser, Stainless (Georgia-Pacific enMotion® 59466)		270.03	24.82
10 28 13 13-0017	EA	Stainless Steel Mounting Bracket For Wall Mounting enMotion Recessed Automated Touchless Towel Dispenser (Georgia-Pacific enMotion® 59476)		157.54	13.79

10 28 13 13-0018 Plastic Paper Towel Dispensers *(10 28 13 13-0003)*

10 28 13 13-0019	EA	Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Folded Paper Towel Dispenser (Bobrick Matrix B-5262)		84.13	24.82
10 28 13 13-0020	EA	Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Roll Paper Towel Dispenser (Bobrick Matrix B-52860)		171.77	24.82
10 28 13 13-0021	EA	Surface Mounted, Translucent Cover, Acrylonitrile Butadiene Styrene (ABS) Plastic Roll Paper Towel Dispenser (Bobrick B-72860)		170.59	24.82
10 28 13 13-0022	EA	Surface Mounted, Automated Touchless Towel Dispenser, Translucent Plastic (Georgia-Pacific enMotion® 59462)		145.39	24.82

10 28 13 13-0023 Aluminum Paper Towel Dispensers *(10 28 13 13-0003)*

10 28 13 13-0024	EA	Surface Mounted, Heavy-Duty Aluminum Casting Roll Paper Towel Dispenser (Bobrick B-253)		91.77	24.82

10 28 13 13-0025 Toilet Tissue Dispensers *(10 28 13 13-0002)*

10 28 13 13-0026 Plastic Toilet Tissue Dispensers *(10 28 13 13-0025)*

10 28 13 13-0027	EA	Two Roll, Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Toilet Tissue Dispenser (Bobrick B-5288)		83.85	24.82
10 28 13 13-0028	EA	Two Jumbo Roll, Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Toilet Tissue Dispenser (Georgia Pacific 58250)		101.08	24.82
10 28 13 13-0029	EA	Vertical Double Roll, Surface Mounted, Translucent Plastic Steel Coreless Toilet Tissue Dispenser (Georgia-Pacific Compact® 56760)		72.77	24.82
10 28 13 13-0030	EA	Side By Side Double Roll, Surface Mounted, Translucent Plastic Toilet Tissue Dispenser (Georgia-Pacific Compact® 56784)		85.78	24.82

10 28 13 13-0031 Cast Aluminum Toilet Tissue Dispensers *(10 28 13 13-0025)*

10 28 13 13-0032	EA	Single Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-2730)		75.94	24.82
10 28 13 13-0033	EA	Single Roll With Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-273)		76.50	24.82
10 28 13 13-0034	EA	Two Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-2740)		80.46	24.82
10 28 13 13-0035	EA	Two Roll With Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-274)		87.81	24.82

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10 28 13 13-0036	EA	Two Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-27460)	114.94	24.82
10 28 13 13-0037		**Stainless Steel Toilet Tissue Dispensers** *(10 28 13 13-0025)*		
10 28 13 13-0038	EA	Single Roll, Surface Mounted, Vandal Resistant, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-264)	64.91	24.82
10 28 13 13-0039	EA	Double Roll, Surface Mounted, Toilet Tissue Dispenser With Utility Shelf (Bobrick B-540)	181.68	24.82
10 28 13 13-0040	EA	Single Roll, Surface Mounted, Stainless Steel, Toilet Tissue Dispenser (Bobrick B-543)	106.61	24.82
10 28 13 13-0041	EA	Single Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-663)	101.66	24.82
10 28 13 13-0042	EA	Single Roll, Surface Mounted, Stainless Steel, Bright Polished Finish, Toilet Tissue Dispenser (Bobrick B-685)	110.28	24.82
10 28 13 13-0043	EA	Double Roll, Surface Mounted, Stainless Steel, Bright Polished Finish, Toilet Tissue Dispenser (Bobrick B-686)	144.51	27.58
10 28 13 13-0044	EA	Single Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser (Bobrick B-6857)	110.28	24.82
10 28 13 13-0045	EA	Double Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser (Bobrick B-6867)	144.51	24.82
10 28 13 13-0046	EA	Single Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser With Hood (Bobrick B-66997)	155.51	24.82
10 28 13 13-0047	EA	Double Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser With Hoods (Bobrick B-6999)	241.83	24.82
10 28 13 13-0048	EA	Double Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser With Hoods (Bobrick B-69997)	241.83	24.82
10 28 13 13-0049	EA	Single Jumbo Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-2890)	101.84	24.82
10 28 13 13-0050	EA	Single Fold/Double Fold, Surface Mounted, Stainless Steel Toilet Tissue Cabinet (Bobrick B-272)	119.18	24.82
10 28 13 13-0051	EA	Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-265)	75.36	24.82
10 28 13 13-0052	EA	Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-2888)	127.95	24.82
10 28 13 13-0053	EA	Two Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-3888)	179.99	24.82
10 28 13 13-0054	EA	Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Contura B-4288)	188.17	24.82
10 28 13 13-0055	EA	Two Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Contura B-4388)	238.24	24.82
10 28 13 13-0056	EA	Two Jumbo Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-2892)	220.04	24.82
10 28 13 13-0057	EA	Four Roll, Partition Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-386) Note: Mounts centered through toilet partitions.	340.42	24.82
10 28 13 13-0058	EA	Multi-Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser With Shelf (Bobrick B-2840)	147.18	24.82
10 28 13 13-0059	EA	Vertical Double Roll, Surface Mounted, Stainless Steel Coreless Toilet Tissue Dispenser (Georgia-Pacific Compact® 56782)	136.12	24.82
10 28 13 13-0060	EA	Side By Side Double Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Georgia-Pacific Compact® 56796)	109.89	24.82
10 28 13 13-0061		**Soap or Sanitizer Dispensers** *(10 28 13 13-0002)*		
10 28 13 13-0062	EA	20 Fluid Ounce, 4" Spout, Top-Filling Lavatory Mounted, Chrome Plated Soap Dispenser (Bobrick B-8221)	100.25	24.82
		For 34 Fluid Ounce (B-822), Add	*4.73*	
10 28 13 13-0063	EA	20 Fluid Ounce, 6" Spout, Top-Filling Lavatory Mounted, Chrome Plated Soap Dispenser (Bobrick B-82216)	108.73	24.82
		For 34 Fluid Ounce (B-822), Add	*4.73*	
10 28 13 13-0064	EA	24 Fluid Ounce, Surface Mounted, Translucent Polyethylene Soap Dispenser (Bobrick B-156)	68.02	24.82
10 28 13 13-0065	EA	24 Fluid Ounce, Surface Mounted, Chrome-Plated, Translucent Polyethylene Soap Dispenser (Bobrick B-155)	73.95	24.82
10 28 13 13-0066	EA	40 Fluid Ounce, Concealed Surface Mounted, Translucent Soap Dispenser (Bobrick B-40)	89.34	24.82
10 28 13 13-0067	EA	40 Fluid Ounce, Surface Mounted, Translucent Plastic Soap Dispenser (Bobrick Classic B-42)	91.79	24.82
10 28 13 13-0068	EA	40 Fluid Ounce, Surface Mounted, Stainless Steel Soap Dispenser (Bobrick Classic B-2111/2112)	101.94	24.82
10 28 13 13-0069	EA	40 Fluid Ounce, Surface Mounted, Stainless Steel Soap Dispenser (Bobrick Contura B-4112)	128.80	24.82
10 28 13 13-0070	EA	45 Fluid Ounce, Recessed Mounted, Stainless Steel Soap Dispenser (Bobrick B-306)	219.29	24.82
10 28 13 13-0071	EA	50 Fluid Ounce, Recessed Mounted, Stainless Steel Soap Dispenser (Bobrick Contura B-4063)	349.61	24.82
10 28 13 13-0072	EA	800 ml, Lavatory Mounted, Chrome Plated Automatic Soap Dispenser (Bobrick B-826.18) Note: Includes start-up kit.	216.83	24.82
10 28 13 13-0073		**Sanitizer Dispensers** *(10 28 13 13-0002)*		
10 28 13 13-0074		**Manual Sanitizer Dispensers** *(10 28 13 13-0073)*		
10 28 13 13-0075	EA	1,200 ml, Wall Mounted, Plastic, Manual Operation Liquid Hand Sanitizer Dispenser (Purelll 5020-01)	78.58	24.82
10 28 13 13-0076	EA	1,200 ml, Wall Mounted, Plastic, Manual Operation Foam Hand Sanitizer Dispenser (Purelll 4510-00)	79.79	24.82
10 28 13 13-0077	EA	1,250 ml, Wall Mounted, Plastic, Manual Operation Gel Hand Sanitizer Dispenser (Purelll 8824-06-UV)	79.41	24.82
10 28 13 13-0078		**Automatic Sanitizer Dispensers** *(10 28 13 13-0073)*		
10 28 13 13-0079	EA	1,000 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Clorox 30242-EA)	73.42	24.82
10 28 13 13-0080	EA	1,200 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Purelll 6420-01 ES6)	96.03	24.82
10 28 13 13-0081	EA	1,200 ml, Wall Mounted, Plastic, Automatic Operation Gel Hand Sanitizer Dispenser (Purelll 6520-01 CS6)	90.39	24.82
10 28 13 13-0082	EA	1,200 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Purelll 7720-01 ES8)	97.30	24.82
10 28 13 13-0083	EA	1,000/1,200 ml, Wall Mounted, Plastic, Automatic Operation Foam/Gel Hand Sanitizer Dispenser (Georgia-Pacific enMotion® Gen2 Hygiene Series 52058)	112.27	24.82
10 28 13 13-0084	EA	2,000 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Purelll 5240-06)	112.98	24.82
10 28 13 13-0085		**Automatic Floor Stand Sanitizer Dispensers** *(10 28 13 13-0073)*		
10 28 13 13-0086	EA	1,000 ml, Floor Stand, Metal, Automatic Operation Liquid Hand Sanitizer Dispenser (Purell Elite LTX™ 2456-DS)	573.06	8.27
10 28 13 13-0087	EA	1,200 ml, Floor Stand, ABS Plastic, Automatic Operation Foam/Gel Hand Sanitizer Dispenser (Purell 7308-DS-SLV)	616.35	8.27
10 28 13 13-0088	EA	1,200 ml, Floor Stand, Aluminum and Polypropylene, Automatic Operation Liquid Hand Sanitizer Dispenser (Purell 2454-DS02)	640.55	8.27
10 28 13 13-0089		**Facial Tissue Dispensers** *(10 28 13 13-0002)*		
10 28 13 13-0090	EA	Surface Mounted, Stainless Steel Facial Tissue Dispenser (Bobrick B-8397)	115.52	24.82
10 28 13 13-0091	EA	Recessed Mounted, Stainless Steel Facial Tissue Dispenser (Gamco 355)	81.54	24.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0092		**Sanitary Toilet Seat Cover Dispensers** *(10 28 13 13-0002)*		
10 28 13 13-0093	EA	Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Sanitary Seat-Cover Dispenser (Bobrick Matrix B-5221)	66.88	24.82
10 28 13 13-0094	EA	Surface Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Classic B-221)	89.22	24.82
10 28 13 13-0095	EA	Surface Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Contura B-4221)	159.62	24.82
10 28 13 13-0096	EA	Recessed Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Classic B-301)	167.56	24.82
10 28 13 13-0097	EA	Recessed Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick TrimLine B-3013)	331.24	24.82
10 28 13 13-0098		**Sanitary Toilet Seat Cover/Toilet Tissue Dispensers** *(10 28 13 13-0002)*		
10 28 13 13-0099	EA	Surface Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick Classic B-3479)	528.96	24.82
10 28 13 13-0100	EA	Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-34745)	321.55	24.82
10 28 13 13-0101		**Sanitary Napkin/Tampon Dispensers** *(10 28 13 13-0002)*		
10 28 13 13-0102	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bobrick B-370639C)	653.23	24.82
10 28 13 13-0103	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Gamco B-282 25)	496.60	24.82
10 28 13 13-0104	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vending (Bobrick B-2706)	661.85	24.82
10 28 13 13-0105	EA	Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bobrick Classic B-352 25)	500.58	24.82
10 28 13 13-0106	EA	Recessed Mounted, Single Coin Operation, Stainless Steel, Sanitary Napkin/Tampon Vendor (Gamco NV-2-4)	440.01	24.82
10 28 13 13-0107	EA	Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bradley 401-45)	578.09	24.82
10 28 13 13-0108		**Toilet Compartment Combination Dispenser/Disposals** *(10 28 13 13-0002)*		
10 28 13 13-0109	EA	Side Wall Recessed Mounted, Stainless Steel Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3094)	459.86	55.17
10 28 13 13-0110	EA	Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-3474)	513.75	55.17
10 28 13 13-0111	EA	Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-35745)	425.61	55.17
10 28 13 13-0112	EA	Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3574)	600.27	55.17
10 28 13 13-0113	EA	Partition Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-347)	616.94	55.17
10 28 13 13-0114	EA	Partition Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-357)	709.96	55.17
10 28 13 13-0115	EA	Surface Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3579)	665.47	55.17
10 28 13 13-0116		**Receptacles** *(10 28 13 13-0001)*		
10 28 13 13-0117		**Wall Mounted Waste Receptacles** *(10 28 13 13-0116)*		
10 28 13 13-0118	EA	1-1/2 Gallon, Surface Mounted, Stainless Steel Facial Tissue Waste Receptacle (Gamco WR-3)	101.91	24.82
10 28 13 13-0119	EA	6.4 Gallon, Surface Mounted, Stainless Steel Waste Receptacle (Bobrick B-279)	169.79	24.82
10 28 13 13-0120	EA	12 Gallon, 4" Wall Recess, Stainless Steel Waste Receptacle (Bobrick Classic B-3644)	392.48	55.17
10 28 13 13-0121	EA	12 Gallon, 4" Wall Recess, Stainless Steel Waste Receptacle (Bobrick Contura B-43644)	583.59	55.17
10 28 13 13-0122	EA	20 Gallon, Surface Mounted, Stainless Steel Waste Receptacle (Bobrick B-275)	461.74	55.17
10 28 13 13-0123		**Floor-Standing/Counter Waste Receptacles** *(10 28 13 13-0116)*		
10 28 13 13-0124	EA	5-7/8" Inside Diameter, 3-7/8" Deep, Countertop-Mounted, Stainless Steel Waste Chute (Bobrick B-532)	120.46	24.82
10 28 13 13-0125	EA	5-7/16" Inside Diameter, 5" Deep, Countertop-Mounted, Stainless Steel Waste Chute (Bobrick B-529)	172.90	24.82
10 28 13 13-0126	EA	13 Gallon, Open Top, Stainless Steel Floor Standing Waste Receptacle (Bobrick B-2260)	330.71	11.03
10 28 13 13-0127	EA	13 Gallon, Swing-Top, Stainless Steel Floor-Standing Waste Receptacle (Bobrick B-2250)	500.91	11.03
10 28 13 13-0128	EA	18 Gallon, Open Top, Stainless Steel Floor-Standing Waste Receptacle (Bobrick B-2300)	469.19	11.03
10 28 13 13-0129	EA	21 Gallon, Open Top, Stainless Steel Floor Standing Waste Receptacle (Bobrick B-2280)	451.15	11.03
10 28 13 13-0130		**Combination Paper Towel Dispenser/ Waste Receptacle** *(10 28 13 13-0116)*		
10 28 13 13-0131	EA	2 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-369)	324.63	55.17
10 28 13 13-0132	EA	2.6 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Contura B-4369)	523.37	55.17
10 28 13 13-0133	EA	2 Gallon, Recess Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3944)	515.46	55.17
10 28 13 13-0134	EA	12 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3900)	750.25	55.17
10 28 13 13-0135	EA	12 Gallon, Semi-Recess Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3909)	1,033.72	55.17
10 28 13 13-0136	EA	12 Gallon, Recessed Mounted, Stainless Steel Combination Roll Towel Dispenser/Waste Receptacle (Bobrick Classic B-3961)	873.37	55.17
10 28 13 13-0137	EA	12 Gallon, Surface Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3949)	672.67	55.17
10 28 13 13-0138	EA	12 Gallon, Surface Mounted, Stainless Steel Combination Roll Towel Dispenser/Waste Receptacle (Bobrick Classic B-39619)	1,091.05	55.17
10 28 13 13-0139	EA	16 Gallon, Semi-Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Contura B-43944)	1,008.51	60.69
10 28 13 13-0140	EA	18 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3947)	677.17	60.69

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10 28 13 13-0141		**Sanitary Napkin/Tampon Receptacles** *(10 28 13 13-0116)*		
10 28 13 13-0142	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Contura B-270)	93.90	27.58
10 28 13 13-0143	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-254)	187.15	27.58
10 28 13 13-0144	EA	Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-353)	203.59	27.58
10 28 13 13-0145	EA	Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-35303)	475.56	27.58
10 28 13 13-0146	EA	Partition Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-354)	252.21	27.58
10 28 13 13-0147	EA	Partition Mounted, Stainless Steel Sanitary Napkin Disposal (Bobrick Contura B-4354)	441.92	27.58
10 28 13 13-0148		**Grab Bars** *(10 28 13 13-0001)*		
10 28 13 13-0149		**1-1/4" Diameter, Stainless Steel Grab Bars** *(10 28 13 13-0148)*		
		Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0150	EA	12" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Gamco 125sx12)	93.56	22.06
		For Peened Grip, Add	*4.95*	
10 28 13 13-0151	EA	18" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x18)	107.61	22.06
		For Peened Grip, Add	*6.21*	
10 28 13 13-0152	EA	24" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x24)	109.02	22.06
		For Peened Grip, Add	*6.34*	
10 28 13 13-0153	EA	30" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x30)	109.68	22.06
		For Peened Grip, Add	*6.40*	
10 28 13 13-0154	EA	36" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x36)	109.86	22.06
		For Peened Grip, Add	*6.41*	
10 28 13 13-0155	EA	42" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x42)	113.26	22.06
		For Peened Grip, Add	*6.72*	
10 28 13 13-0156	EA	48" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x48)	118.62	22.06
		For Peened Grip, Add	*7.20*	
10 28 13 13-0157		**1-1/4" Diameter, Two Wall, Stainless Steel Grab Bars** *(10 28 13 13-0148)*		
		Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0158	EA	24" x 36", Two Wall, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-58616)	180.70	22.06
		For Peened Grip, Add	*12.29*	
10 28 13 13-0159	EA	36" x 54", Two Wall, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5837)	184.36	22.06
		For Peened Grip, Add	*12.62*	
10 28 13 13-0160		**1-1/2" Diameter, Stainless Steel Grab Bars** *(10 28 13 13-0148)*		
		Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0161	EA	12" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x12)	106.43	22.06
		For Peened Grip, Add	*6.10*	
10 28 13 13-0162	EA	18" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x18)	107.61	22.06
		For Peened Grip, Add	*6.21*	
10 28 13 13-0163	EA	24" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x24)	109.86	22.06
		For Peened Grip, Add	*6.41*	
10 28 13 13-0164	EA	30" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x30)	112.13	22.06
		For Peened Grip, Add	*6.62*	
10 28 13 13-0165	EA	36" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x36)	114.95	22.06
		For Peened Grip, Add	*6.87*	
10 28 13 13-0166	EA	42" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x42)	117.50	22.06
		For Peened Grip, Add	*7.10*	
10 28 13 13-0167	EA	48" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x48)	123.72	22.06
		For Peened Grip, Add	*7.66*	
10 28 13 13-0168		**1-1/2" Diameter, Two Wall, Stainless Steel Grab Bars** *(10 28 13 13-0148)*		
		Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0169	EA	16" x 31", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6861)	165.42	22.06
		For Peened Grip, Add	*10.92*	
10 28 13 13-0170	EA	24" x 36", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-68616)	177.59	22.06
		For Peened Grip, Add	*12.01*	
10 28 13 13-0171	EA	36" x 54", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-68137)	154.68	22.06
		For Peened Grip, Add	*9.95*	
10 28 13 13-0172		**1-1/4" Diameter, Stainless Steel Swing Up Grab Bars** *(10 28 13 13-0148)*		
		Note: Includes satin finish and mounting for swing up.		
10 28 13 13-0173	EA	29" Length, 1-1/4" Diameter, Stainless Steel Swing Up Grab Bar (Bobrick B-4998)	480.78	22.06
		For Peened Grip, Add	*39.80*	
10 28 13 13-0174		**Shelves** *(10 28 13 13-0001)*		
10 28 13 13-0175	EA	5" Width x 16" Length, Stainless Steel Shelf (Bobrick B-295)	122.29	24.82
10 28 13 13-0176	EA	5" Width x 18" Length, Stainless Steel Shelf (Bobrick B-295)	125.69	24.82
10 28 13 13-0177	EA	5" Width x 24" Length, Stainless Steel Shelf (Bobrick B-295)	141.24	24.82
10 28 13 13-0178	EA	5" Width x 36" Length, Stainless Steel Shelf (Gamco S-5x36)	145.15	24.82
10 28 13 13-0179	EA	6" Width x 18" Length, Stainless Steel Shelf (Bobrick B-296)	138.99	24.82
10 28 13 13-0180	EA	6" Width x 24" Length, Stainless Steel Shelf (Gamco S-6x24)	140.83	24.82
10 28 13 13-0181	EA	8" Width x 18" Length, Stainless Steel Shelf (Bobrick B-298)	150.00	24.82
10 28 13 13-0182	EA	8" Width x 24" Length, Stainless Steel Shelf (Bobrick B-298)	163.28	24.82
10 28 13 13-0183	EA	8" Width x 36" Length, Stainless Steel Shelf (Gamco S-8x36)	191.36	24.82
10 28 13 13-0184	EA	5-3/4" Width x 14-1/2" Length, Folding Stainless Steel Utility Shelf (Bobrick B-287)	150.28	24.82

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10 28 13 13-0185	EA	4-3/4" Width x 24" Length, Stainless Steel Toiletry Shelf (Bobrick B-683)	153.11	24.82
10 28 13 13-0186	EA	12" Width x 24" Length, Stainless Steel Shelf (Bradley 7512-24)	178.00	24.82
10 28 13 13-0187	EA	12" Width x 30" Length, Stainless Steel Shelf (Bradley 7512-30)	189.22	24.82
10 28 13 13-0188	EA	12" Width x 36" Length, Stainless Steel Shelf (Bradley 7512-36)	206.53	24.82
10 28 13 13-0189	EA	12" Width x 48" Length, Stainless Steel Shelf (Bradley 7512-48)	253.62	24.82
10 28 13 13-0190	EA	12" Width x 60" Length, Stainless Steel Shelf (Bradley 7512-60)	339.42	24.82
10 28 13 13-0191	EA	4-1/4" Width x 16-1/2" Length x 6-1/2" Height, Recessed Stainless Steel Shelf (American Specialties 0412)	157.32	24.82
10 28 13 13-0192		**Changing Stations** *(10 28 13 13-0001)*		
10 28 13 13-0193	EA	Horizontal, Wall-Mounted, Polyethylene Baby Changing Station (Gamco BCS-1)	454.97	33.10
10 28 13 13-0194	EA	Vertical, Wall-Mounted, Polyethylene Baby Changing Station (Bobrick Koala Care KB101-00)	482.27	33.10
10 28 13 13-0195	EA	Horizontal, Wall-Mounted, Polypropylene Baby Changing Station (Bobrick Koala Care KB200-00)	397.74	33.10
10 28 13 13-0196	EA	Horizontal, Recessed Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB110-SSRE)	1,935.01	33.10
10 28 13 13-0197	EA	Horizontal, Wall-Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB110-SSWM)	2,262.97	33.10
10 28 13 13-0198	EA	Vertical, Recessed Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB111-SSRE)	1,935.01	33.10
10 28 13 13-0199	EA	Vertical, Wall-Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB111-SSWM)	2,262.97	33.10
10 28 13 13-0200		**Folding Shower Seats** *(10 28 13 13-0001)*		
10 28 13 13-0201	EA	33" Width, Wall-Mounted, Reversible, Folding, Stainless Steel Hardware, Solid Phenolic Shower Seat (Bobrick B-5181)	570.63	44.13
10 28 13 13-0202	EA	33" Width, Wall-Mounted, Foam Padded, Naugahyde® Folding Shower Seat (Bobrick B-517/518)	748.74	44.13
10 28 13 13-0203	EA	30" Width, Wall-Mounted, Teakwood Folding Shower Seat	2,623.60	44.13
10 28 13 13-0204	EA	33-1/2" Width, Wall-Mounted, Stainless Steel, Americans With Disabilities Act Compliant Folding Shower Seat, (Acorn Shower-Ware 1103-31/1103-32)	3,845.31	
10 28 13 13-0205		**Soap/Dish Holders** *(10 28 13 13-0001)*		
10 28 13 13-0206	EA	Surface Mounted, Stainless Steel Toothbrush and Tumbler Holder (Gamco 7679)	61.88	24.82
10 28 13 13-0207	EA	Surface Mounted, Stainless Steel Soap Dish (Gamco 7680)	63.85	24.82
10 28 13 13-0208	EA	Recessed Mounted, Stainless Steel Soap Dish (Bobrick B-4380)	112.99	24.82
10 28 13 13-0209	EA	Recessed Mounted, Stainless Steel Soap Dish And Bar (Bobrick B-4390)	122.89	24.82
10 28 13 13-0210		**Shower Curtains/Curtain Rods** *(10 28 13 13-0001)*		
10 28 13 13-0211	EA	Stainless Steel Shower Curtain Hook (Bobrick B-204-1)	3.08	1.11
10 28 13 13-0212	EA	42" Width x 72" Height, Vinyl Shower Curtain (Bobrick B-204-2) Note: Requires 7 curtain hooks.	50.62	11.03
10 28 13 13-0213	EA	70" Width x 72" Height, Vinyl Shower Curtain (Bobrick B-204-3) Note: Requires 12 curtain hooks.	53.03	11.03
10 28 13 13-0214	EA	36" Length, 20 Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207)	89.50	24.82
10 28 13 13-0215	EA	48" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207)	95.73	24.82
10 28 13 13-0216	EA	60" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207)	103.36	24.82
10 28 13 13-0217	EA	72" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207)	112.69	24.82
10 28 13 13-0218	EA	36" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x36)	78.76	24.82
10 28 13 13-0219	EA	48" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x48)	86.11	24.82
10 28 13 13-0220	EA	60" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x60)	90.35	24.82
10 28 13 13-0221	EA	72" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x72)	95.73	24.82
10 28 13 13-0222	EA	36" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	81.87	24.82
10 28 13 13-0223	EA	48" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	88.09	24.82
10 28 13 13-0224	EA	60" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	95.43	24.82
10 28 13 13-0225	EA	72" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	100.53	24.82
10 28 13 13-0226		**Hand Dryers** *(10 28 13 13-0001)*		
10 28 13 13-0227	EA	Surface Mounted, Automatic Sensor, One Piece Plastic Cover Hand Dryer (Bobrick CompacDryer B-710)	541.46	31.57
10 28 13 13-0228	EA	Surface Mounted, Automatic Sensor, Cast Aluminum Cover Hand Dryer (Bobrick B-7120-115V)	583.00	31.57
10 28 13 13-0229	EA	Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Bobrick B-7128 230V)	645.77	31.57
10 28 13 13-0230	EA	Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Bobrick B-750-115/230)	913.72	31.57
10 28 13 13-0231	EA	Surface Mounted, Touch-Button, Cast-Iron Cover Hand Dryer (World Dryer A)	562.67	31.57
10 28 13 13-0232	EA	Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (World Dryer A)	620.86	31.57
10 28 13 13-0233	EA	Surface Mounted, Touch-Button, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60)	2,944.77	31.57
10 28 13 13-0234	EA	Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60T)	3,068.09	31.57
10 28 13 13-0235	EA	Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60TR)	3,199.63	31.57
10 28 13 13-0236	EA	Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Excel Xlerator XL-GR)	698.07	31.57
10 28 13 13-0237	EA	Surface Mounted, Automatic Sensor, 22 Gauge Steel Cover Hand Dryer (Bobrick B-7120)	486.37	31.57
10 28 13 13-0238	EA	Surface Mounted, Automatic Sensor, 18 Gauge Stainless Steel Cover Hand Dryer (Bobrick B-7128-115V)	557.39	31.57
10 28 13 13-0239	EA	Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (World Dryer RA)	542.75	31.57
10 28 13 13-0240	EA	Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (World Dryer XRA)	574.83	31.57
10 28 13 13-0241	EA	Recessed Mounted, Automatic Sensor, Stainless Steel Cover Hand/Hair Dryer (World Dryer DXRA)	659.30	31.57
10 28 13 13-0242	EA	Surface Mounted, Automatic Sensor, Acrylonitrile Butadiene Styrene (ABS) Polycarbonate Cover Hand Dryer (Dyson Airblade AB12)	1,801.92	31.57
10 28 13 13-0243	EA	Surface Mounted, Automatic Sensor, Acrylonitrile Butadiene Styrene (ABS) Polycarbonate Cover Hand Dryer (Dyson Airblade AB14)	3,036.46	31.57
10 28 13 13-0244	EA	Surface Mounted, Automatic Sensor, White ABS Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9) Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.	1,331.47	31.57
10 28 13 13-0245	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-M) Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.	1,406.16	31.57

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10 28 13 13-0246	EA	Surface Mounted, Automatic Sensor, Black Graphite Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-BG) Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.	1,448.84	31.57
10 28 13 13-0247	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-C) Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.	1,491.52	31.57
10 28 13 13-0248	EA	Surface Mounted, Automatic Sensor, Stainless Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-SS) Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.	1,576.87	31.57
10 28 13 13-0249	EA	Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9) Note: Electronically adjustable sound and speed.	1,075.41	31.57
10 28 13 13-0250	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-M) Note: Electronically adjustable sound and speed.	1,150.09	31.57
10 28 13 13-0251	EA	Surface Mounted, Automatic Sensor, Black Graphite Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-BG) Note: Electronically adjustable sound and speed.	1,192.77	31.57
10 28 13 13-0252	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-C) Note: Electronically adjustable sound and speed.	1,235.45	31.57
10 28 13 13-0253	EA	Surface Mounted, Automatic Sensor, Stainless Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-SS) Note: Electronically adjustable sound and speed.	1,320.81	31.57
10 28 13 13-0254	EA	Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7) Note: Electronically adjustable sound and speed.	1,075.41	31.57
10 28 13 13-0255	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-M) Note: Electronically adjustable sound and speed.	1,150.09	31.57
10 28 13 13-0256	EA	Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-BG) Note: Electronically adjustable sound and speed.	1,192.77	31.57
10 28 13 13-0257	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-C) Note: Electronically adjustable sound and speed.	1,235.45	31.57
10 28 13 13-0258	EA	Surface Mounted, Stainless Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-SS) Note: Electronically adjustable sound and speed.	1,320.81	31.57
10 28 13 13-0259	EA	Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90)	776.66	31.57
10 28 13 13-0260	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-M)	851.35	31.57
10 28 13 13-0261	EA	Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-BG)	894.03	31.57
10 28 13 13-0262	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-C)	936.70	31.57
10 28 13 13-0263	EA	Surface Mounted, Stainless Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-SS)	1,022.06	31.57
10 28 13 13-0264	EA	Surface Mounted, Automatic Sensor, White ABS Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90H)	776.66	31.57
10 28 13 13-0265	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-MH)	851.35	31.57
10 28 13 13-0266	EA	Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-BGH)	894.03	31.57
10 28 13 13-0267	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-CH)	936.70	31.57
10 28 13 13-0268	EA	Surface Mounted, Automatic Sensor, Stainless Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-SSH)	1,022.06	31.57
10 28 13 13-0269	EA	Surface Mounted, Automatic Sensor, ABS Cover, Hand Dryer (American Dryer GX1)	563.27	31.57
10 28 13 13-0270	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Hand Dryer (American Dryer GX1-M)	637.96	31.57
10 28 13 13-0271	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Hand Dryer (American Dryer GX1-C)	723.31	31.57

10 28 13 13-0272 Hand Dryers (Excel XLERATOR®) *(10 28 13 13-0001)*

Note: With or without noise reduction nozzle options.

10 28 13 13-0273	EA	Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-W)	1,105.29	31.57
		For ADA-Compliant Recess Kit, Add	*173.35*	
10 28 13 13-0274	EA	Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-WH)	1,558.04	31.57
		For ADA-Compliant Recess Kit, Add	*173.35*	
10 28 13 13-0275	EA	Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-GR)	1,297.54	31.57
		For ADA-Compliant Recess Kit, Add	*173.35*	
10 28 13 13-0276	EA	Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel Xlerator XL-GRH)	1,623.17	31.57
		For ADA-Compliant Recess Kit, Add	*173.35*	
10 28 13 13-0277	EA	Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-C)	1,395.23	31.57
		For ADA-Compliant Recess Kit, Add	*173.35*	
10 28 13 13-0278	EA	Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-CH)	1,720.86	31.57
		For ADA-Compliant Recess Kit, Add	*173.35*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0279	EA	Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, Hand Dryer (Excel XLERATOR® XL-SB)	1,395.23	31.57
		For ADA-Compliant Recess Kit, Add	*173.35*	
10 28 13 13-0280	EA	Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-SBH)	1,720.86	31.57
		For ADA-Compliant Recess Kit, Add	*173.35*	
10 28 13 13-0281	EA	Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-SP)	1,297.54	31.57
		For ADA-Compliant Recess Kit, Add	*173.35*	
10 28 13 13-0282	EA	Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-SPH)	1,623.17	31.57
		For ADA-Compliant Recess Kit, Add	*173.35*	
10 28 13 13-0283	EA	Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), Hand Dryer (Excel XLERATOR® XL-BW)	1,167.29	31.57
		For ADA-Compliant Recess Kit, Add	*173.35*	
10 28 13 13-0284	EA	Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), Hand Dryer With High Efficiency Particulate Air (HEPA)Filtration System (Excel XLERATOR® XL-BWH)	1,492.92	31.57
		For ADA-Compliant Recess Kit, Add	*173.35*	
10 28 13 13-0285	EA	Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-W-ECO)	1,105.29	31.57
		For ADA-Compliant Recess Kit, Add	*173.35*	
10 28 13 13-0286	EA	Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-WH-ECO)	1,558.04	31.57
		For ADA-Compliant Recess Kit, Add	*173.35*	
10 28 13 13-0287	EA	Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-GR-ECO)	1,297.54	31.57
		For ADA-Compliant Recess Kit, Add	*173.35*	
10 28 13 13-0288	EA	Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-GRH-ECO)	1,623.17	31.57
		For ADA-Compliant Recess Kit, Add	*173.35*	
10 28 13 13-0289	EA	Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-C-ECO)	1,395.23	31.57
		For ADA-Compliant Recess Kit, Add	*173.35*	
10 28 13 13-0290	EA	Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-CH-ECO)	1,720.86	31.57
		For ADA-Compliant Recess Kit, Add	*173.35*	
10 28 13 13-0291	EA	Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-SB-ECO)	1,395.23	31.57
		For ADA-Compliant Recess Kit, Add	*173.35*	
10 28 13 13-0292	EA	Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-SBH-ECO)	1,720.86	31.57
		For ADA-Compliant Recess Kit, Add	*173.35*	
10 28 13 13-0293	EA	Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-SP-ECO)	1,297.54	31.57
		For ADA-Compliant Recess Kit, Add	*173.35*	
10 28 13 13-0294	EA	Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-SPH-ECO)	1,623.17	31.57
		For ADA-Compliant Recess Kit, Add	*173.35*	
10 28 13 13-0295	EA	Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), No Heat Hand Dryer (Excel XLERATOReco® XL-BW-ECO)	1,167.29	31.57
		For ADA-Compliant Recess Kit, Add	*173.35*	
10 28 13 13-0296	EA	Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-BWH-ECO)	1,492.92	31.57
		For ADA-Compliant Recess Kit, Add	*173.35*	

10 28 13 13-0297 Additional Accessories *(10 28 13 13-0001)*

10 28 13 13-0298 Hooks *(10 28 13 13-0297)*

10 28 13 13-0299	EA	Stainless Steel Clothes Hook And Bumper (Bobrick B-212)	31.39	11.03
10 28 13 13-0300	EA	Single Stainless Steel Robe Hook (Bobrick B-233)	37.61	11.03
10 28 13 13-0301	EA	Single Stainless Steel Robe Hook (Bobrick B-7671)	31.95	11.03
10 28 13 13-0302	EA	Double Stainless Steel Robe Hook (Bobrick B-7672)	34.73	11.03
10 28 13 13-0303	EA	Double Stainless Steel Robe Hook (Bobrick B-672 or B-6727)	57.96	11.03
10 28 13 13-0304	EA	Single Stainless Steel Robe Hook (Bobrick B-6717)	52.30	11.03

10 28 13 13-0305 Clotheslines *(10 28 13 13-0297)*

10 28 13 13-0306	EA	Surface Mounted, Stainless Steel Retractable Clothesline (Gamco 7636)	54.87	22.06

10 28 13 13-0307 Towel Bars *(10 28 13 13-0297)*

10 28 13 13-0308	EA	18" Length, 3/4" Square, Stainless Steel Towel Bar (Gamco 7673x18)	67.58	24.82
10 28 13 13-0309	EA	24" Length, 3/4" Square, Stainless Steel Towel Bar (Gamco 7673x24)	67.80	24.82
10 28 13 13-0310	EA	18" Length, 3/4" Diameter, Stainless Steel Towel Bar (Gamco 7674x18)	76.09	24.82
10 28 13 13-0311	EA	24" Length, 3/4" Diameter, Stainless Steel Towel Bar (Gamco 7674x24)	76.88	24.82
10 28 13 13-0312	EA	18" Length, 3/4" Square, Stainless Steel Towel Bar (Bobrick B-673)	113.25	24.82
10 28 13 13-0313	EA	24" Length, 3/4" Square, Stainless Steel Towel Bar (Bobrick B-673)	118.05	24.82
10 28 13 13-0314	EA	18" Length, 3/4" Diameter, Stainless Steel Towel Bar (Bobrick B-674)	116.93	24.82
10 28 13 13-0315	EA	24" Length, 3/4" Diameter, Stainless Steel Towel Bar (Bobrick B-674 or B-6747))	120.88	24.82
10 28 13 13-0316	EA	18" Length, 1" Diameter, Heavy-Duty, Stainless Steel Towel Bar (Bobrick B-205)	127.96	24.82
10 28 13 13-0317	EA	24" Length, 1" Diameter, Heavy-Duty, Stainless Steel Towel Bar (Bobrick B-205)	132.16	24.82
10 28 13 13-0318	EA	18" Length, 1" Diameter, Extra-Heavy-Duty, Stainless Steel Towel Bar/Grab Bar (Bobrick B-530)	97.14	24.82
10 28 13 13-0319	EA	24" Length, 1" Diameter, Extra-Heavy-Duty, Stainless Steel Towel Bar/Grab Bar (Bobrick B-530)	100.81	24.82

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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0320		**Towel Bar With Shelf** *(10 28 13 13-0297)*		
10 28 13 13-0321	EA	24" Length, Stainless Steel Towel Shelf With Towel Bar (Bobrick B-676)	220.68	24.82
10 28 13 13-0322		**Towel Pins** *(10 28 13 13-0297)*		
10 28 13 13-0323	EA	Stainless Steel Towel Pin (Bobrick B-677)	55.99	11.03
10 28 13 13-0324		**Drinking Fountain Grab Bars** *(10 28 13 13)*		
10 28 13 13-0325		**1-1/4" Diameter, Stainless Steel Drinking Fountain Grab Bars** *(10 28 13 13-0324)* Note: Includes two wall and one floor concealed mounting with snap flange. 33" high x 18" deep, second rail 6" off ground.		
10 28 13 13-0326	EA	1-1/4" Diameter, Satin Stainless Steel Drinking Fountain Grab Bars	537.89	72.82
10 28 13 13-0327	EA	1-1/4" Diameter, Peened Stainless Steel Drinking Fountain Grab Bars	599.13	72.82
10 28 13 13-0328	EA	1-1/4" Diameter, Anti-Slip Stainless Steel Drinking Fountain Grab Bars	712.42	72.82
10 28 13 13-0329	EA	1-1/4" Diameter, Bright Or Bright Peened Stainless Steel Drinking Fountain Grab Bars	877.76	72.82
10 28 13 13-0330		**1-1/2" Diameter, Stainless Steel Drinking Fountain Grab Bars** *(10 28 13 13-0324)* Note: Includes two wall and one floor concealed mounting with snap flange. 33" high x 18" deep, second rail 6" off ground.		
10 28 13 13-0331	EA	1-1/2" Diameter, Satin Stainless Steel Drinking Fountain Grab Bars	565.45	72.82
10 28 13 13-0332	EA	1-1/2" Diameter, Peened Stainless Steel Drinking Fountain Grab Bars	626.69	72.82
10 28 13 13-0333	EA	1-1/2" Diameter, Anti-Slip Stainless Steel Drinking Fountain Grab Bars	746.10	72.82
10 28 13 13-0334	EA	1-1/2" Diameter, Bright Or Bright Peened Stainless Steel Drinking Fountain Grab Bars	908.38	72.82
10 28 13 13-0335		**1-1/2" Diameter, Stainless Steel Drinking Fountain Grab Bar** *(10 28 13 13-0324)*		
10 28 13 13-0336	EA	33" Height x 18" Width From Wall, 1-1/2" Diameter 304 Stainless Steel Drinking Fountain Grab Bar (Bobrick B-819298) Note: Grab bar shall be type-304 stainless steel with satin finish. Grab bar shall have 18-gauge (1.2mm) wall thickness and 1-1/2" (38mm) outside diameter. Concealed mounting flanges shall be 1/8" (3mm) thick stainless steel plate, 2" x 3-1/8" (50 x 80mm), and equipped with two screw holes for attachment to wall and to floor. Flange covers shall be 22 gauge (0.8mm), 3-1/4" (85mm) diameter x 1/2" (13mm) deep, and shall snap over mounting flange to conceal mounting screws. Ends of grab bar shall pass through concealed mounting ?anges and be heliarc welded to form one structural unit. Grab bar shall comply with barrier-free accessibility guidelines (including ADAAG in the U.S.A.) for structural strength.	531.12	111.39
10 28 13 13-0337	EA	33" Height x 4" To <18" Width From Wall, 1-1/2" Diameter 304 Stainless Steel Drinking Fountain Grab Bar (Bobrick Custom B-819298) Note: Grab bar shall be type-304 stainless steel with satin finish. Grab bar shall have 18-gauge (1.2mm) wall thickness and 1-1/2" (38mm) outside diameter. Concealed mounting flanges shall be 1/8" (3mm) thick stainless steel plate, 2" x 3-1/8" (50 x 80mm), and equipped with two screw holes for attachment to wall and to floor. Flange covers shall be 22 gauge (0.8mm), 3-1/4" (85mm) diameter x 1/2" (13mm) deep, and shall snap over mounting flange to conceal mounting screws. Ends of grab bar shall pass through concealed mounting ?anges and be heliarc welded to form one structural unit. Grab bar shall comply with barrier-free accessibility guidelines (including ADAAG in the U.S.A.) for structural strength.	571.83	111.39
10 28 13 13-0338	EA	33" Height x >18" To 26" Width From Wall, 1-1/2" Diameter 304 Stainless Steel Drinking Fountain Grab Bar (Bobrick Custom B-819298) Note: Grab bar shall be type-304 stainless steel with satin finish. Grab bar shall have 18-gauge (1.2mm) wall thickness and 1-1/2" (38mm) outside diameter. Concealed mounting flanges shall be 1/8" (3mm) thick stainless steel plate, 2" x 3-1/8" (50 x 80mm), and equipped with two screw holes for attachment to wall and to floor. Flange covers shall be 22 gauge (0.8mm), 3-1/4" (85mm) diameter x 1/2" (13mm) deep, and shall snap over mounting flange to conceal mounting screws. Ends of grab bar shall pass through concealed mounting ?anges and be heliarc welded to form one structural unit. Grab bar shall comply with barrier-free accessibility guidelines (including ADAAG in the U.S.A.) for structural strength.	594.94	111.39
10 28 13 13-0339		**1-1/2" Diameter, Steel Drinking Fountain Grab Bars** *(10 28 13 13-0324)* Note: Includes three wall and one floor concealed mounting with snap flange.		
10 28 13 13-0340	EA	1-1/2" Diameter, Steel Drinking Fountain Grab Bars, 42" High	349.33	72.82
10 28 13 13-0341		**Mirrors** *(10 28 13 13)*		
10 28 13 13-0342		**Stainless Steel Channel Frame Glass Mirrors** *(10 28 13 13-0341)*		
10 28 13 13-0343	EA	16" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-16x24)	120.35	27.58
10 28 13 13-0344	EA	18" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1824)	137.66	27.58
10 28 13 13-0345	EA	18" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1830)	143.66	27.58
		For Tempered Glass (B-1658), Add	*50.36*	
10 28 13 13-0346	EA	18" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1836)	155.95	27.58
		For Tempered Glass (B-1658), Add	*58.96*	
10 28 13 13-0347	EA	24" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2430)	171.72	27.58
10 28 13 13-0348	EA	24" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2436)	178.36	27.58
		For Tempered Glass (B-1658), Add	*74.65*	
10 28 13 13-0349	EA	24" x 48", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2448)	221.89	27.58
10 28 13 13-0350	EA	24" x 60", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2460)	257.54	27.58
10 28 13 13-0351	EA	36" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-36x36)	312.03	27.58
10 28 13 13-0352	EA	48" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 4836)	394.78	27.58
10 28 13 13-0353	EA	60" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-60x36)	445.05	27.58

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0354		**Stainless Steel Channel Frame Glass Mirror/Shelf Combination** *(10 28 13 13-0341)*		
10 28 13 13-0355	EA	18" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1824)	230.09	27.58
10 28 13 13-0356	EA	18" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1830)	248.70	27.58
10 28 13 13-0357	EA	18" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1836)	261.01	27.58
10 28 13 13-0358	EA	24" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 2436)	295.71	27.58
10 28 13 13-0359		**Stainless Steel Angle Frame Glass Mirrors** *(10 28 13 13-0341)*		
10 28 13 13-0360	EA	18" x 24", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1824)	203.87	27.58
10 28 13 13-0361	EA	18" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1830)	224.42	27.58
		For Tempered Glass (B-2908), Add	*100.78*	
10 28 13 13-0362	EA	18" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1836)	231.35	27.58
		For Tempered Glass (B-2908), Add	*105.36*	
10 28 13 13-0363	EA	24" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2430)	272.36	27.58
10 28 13 13-0364	EA	24" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2436)	273.94	27.58
		For Tempered Glass (B-2908), Add	*133.47*	
10 28 13 13-0365	EA	24" x 48", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2448)	368.90	27.58
10 28 13 13-0366	EA	24" x 60", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2460)	435.15	27.58
10 28 13 13-0367	EA	24" x 72", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2472)	497.00	27.58
10 28 13 13-0368	EA	36" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-36x36)	328.58	27.58
10 28 13 13-0369	EA	48" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-48x36)	402.31	27.58
10 28 13 13-0370	EA	72" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-72x36)	620.37	27.58
10 28 13 13-0371		**Stainless Steel Angle Frame Glass Mirror/Shelf Combination** *(10 28 13 13-0341)*		
10 28 13 13-0372	EA	18" x 24", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Gamco AS-18x24)	211.06	27.58
10 28 13 13-0373	EA	18" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-1830)	424.11	27.58
10 28 13 13-0374	EA	18" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-1836)	444.94	27.58
10 28 13 13-0375	EA	24" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-2436)	497.00	27.58
10 28 13 13-0376		**Frameless Stainless Steel Mirrors** *(10 28 13 13-0341)*		
10 28 13 13-0377	EA	17-1/2" x 29-1/2", Frameless Stainless Steel Mirror (Bobrick B-1556 1830)	229.46	27.58
10 28 13 13-0378	EA	23-1/2" x 35-1/2", Frameless Stainless Steel Mirror (Bobrick B-1556 2436)	299.17	27.58
10 28 13 13-0379		**Fixed-Position Tilt, Stainless Steel Frame Glass Mirrors** *(10 28 13 13-0341)*		
10 28 13 13-0380	EA	16" x 30", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1630)	314.95	27.58
10 28 13 13-0381	EA	18" x 30", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1830)	328.53	27.58
10 28 13 13-0382	EA	18" x 36", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1836)	399.51	27.58
10 28 13 13-0383	EA	24" x 36", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 2436)	493.20	27.58
10 28 13 13-0384		**Medicine Cabinets** *(10 28 13 13)*		
10 28 13 13-0385		**Metal Medicine Cabinets** *(10 28 13 13-0384)*		
10 28 13 13-0386	EA	20" x 26", Surface Mounted, Aluminum Medicine Cabinet (Kohler K-CB)	247.84	55.17
10 28 13 13-0387	EA	15-1/2" x 25-7/8", Recessed Mounted, All-Steel Medicine Cabinet (Bobrick B-397) Note: Includes three adjustable plastic shelves.	253.25	55.17
10 28 13 13-0388	EA	14-1/8" x 20-1/4", Surface Mounted, All-Steel Medicine Cabinet (Bobrick B-297) Note: Includes two fixed shelves with baked white enamel finish.	261.30	55.17
10 28 13 13-0389	EA	15-1/4" x 25-1/2", Recessed Mounted, Stainless Steel Medicine Cabinet (Bobrick B-398) Note: Includes four adjustable stainless steel shelves.	568.04	55.17
10 28 13 13-0390	EA	17" x 26-7/8", Surface Mounted, Stainless Steel Medicine Cabinet (Bobrick B-299) Note: Includes four adjustable shelves.	778.66	55.17
10 28 13 13-0391		**Janitorial Material** *(10 28 13 13)*		
10 28 13 13-0392	EA	Stainless Steel Pail And Ladder Utility Hook (Bobrick B-670)	52.30	11.03
10 28 13 13-0393	EA	24" Length, Stainless Steel Utility Hook Strip (Bobrick B-232x24)	136.15	24.82
10 28 13 13-0394	EA	24" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Bobrick B-223x24)	131.07	24.82
10 28 13 13-0395	EA	30" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Gamco MS-1)	148.97	24.82
10 28 13 13-0396	EA	36" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Bobrick B-223x36)	166.68	24.82
10 28 13 13-0397	EA	36" Length, Utility Hook Strip (Gamco HCS-2)	111.19	24.82
10 28 13 13-0398	EA	36" Length, Stainless Steel Custodian Utility Shelf With Mop And Broom Holders And Rag Hooks (Bobrick B-224x36)	309.73	24.82
10 28 13 13-0399	EA	34" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder With Shelf And Rag Hooks (Bobrick B-239x34)	446.29	24.82
10 28 13 13-0400		**Removal And Reinstallation Of Bathroom Accessories** *(10 28 13 13)*		
10 28 13 13-0401	EA	Removal And Reinstallation Of Bathroom Accessory	34.48	

10 28 13 63 Detention Toilet Accessories *(10 28 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 63-0001		Ligature Resistant, Stainless Steel Grab Bar *(10 28 13 63)*		
10 28 13 63-0002	EA	18" Length, 1-1/2" Diameter, 18 Gauge, Ligature Resistant, Stainless Steel Security Grab Bar (Bradley SA70-001180)	205.16	22.06
10 28 13 63-0003	EA	24" Length, 1-1/2" Diameter, 18 Gauge, Ligature Resistant, Stainless Steel Security Grab Bar (Bradley SA70-001240)	214.48	22.06
10 28 13 63-0004	EA	36" Length, 1-1/2" Diameter, 18 Gauge, Ligature Resistant, Stainless Steel Security Grab Bar (Bradley SA70-001360)	220.68	22.06
10 28 13 63-0005	EA	42" Length, 1-1/2" Diameter, 18 Gauge, Ligature Resistant, Stainless Steel Security Grab Bar (Bradley SA70-001420)	244.48	22.06
10 28 13 63-0006	EA	60" Length, 1-1/2" Diameter, 18 Gauge, Ligature Resistant, Stainless Steel Security Grab Bar (Bradley SA70-002600)	497.74	22.06

10 28 16 Bath Accessories *(10 28)*

10 28 16 13 Residential Bath Accessories *(10 28 16)*

10 28 16 13-0001		Residential Toilet Accessories *(10 28 16 13)*		
10 28 16 13-0002		Residential, Recessed, Chrome Plated Toilet Accessories *(10 28 16 13-0001)*		
10 28 16 13-0003	EA	Single Roll, Recessed Mounted, Chrome Plated Toilet Paper Holder	144.16	24.82
10 28 16 13-0004	EA	Recessed Mounted, Chrome Plated Soap Dish	225.03	24.82
10 28 16 13-0005	EA	Recessed Mounted, Chrome Plated Soap Dish And Bar	241.47	24.82
10 28 16 13-0006	EA	Recessed Mounted, Chrome Plated Tumbler Holder	151.12	24.82
10 28 16 13-0007		Residential, Surface Mounted, Chrome Plated Toilet Accessories *(10 28 16 13-0001)*		
10 28 16 13-0008	EA	Surface Mounted, Chrome Plated Soap Dish	98.79	16.55
10 28 16 13-0009	EA	Surface Mounted, Chrome Plated Single Clothes Hook	117.12	16.55
10 28 16 13-0010	EA	Surface Mounted, Chrome Plated Double Clothes Hook	117.12	16.55
10 28 16 13-0011	LF	6" Deep, Surface Mounted, Glass Shelf With Chrome Plated Supports	260.04	16.55
10 28 16 13-0012	LF	6" Deep, Surface Mounted, Stainless Steel Shelf	213.92	16.55
10 28 16 13-0013	EA	18" Length, Surface Mounted, Chrome Plated Towel Bar	126.26	22.06
10 28 16 13-0014	EA	24" Length, Surface Mounted, Chrome Plated Towel Bar	128.31	22.06
10 28 16 13-0015	EA	Surface Mounted, Chrome Plated Towel Ring	94.26	16.55
10 28 16 13-0016	EA	Surface Mounted, Chrome Plated Tumbler And Toothbrush Holder	87.75	11.03
10 28 16 13-0017	EA	Single Roll, Surface Mounted, Chrome Plated Toilet Paper Holder	98.79	16.55
10 28 16 13-0018	EA	Two Roll, Surface Mounted, Chrome Plated Toilet Paper Holder	221.69	16.55
10 28 16 13-0019	EA	Surface Mounted, Chrome Plated Globe Soap Dispenser	123.45	16.55
10 28 16 13-0020	EA	Surface Mounted, Chrome Plated Towel Pin	131.75	11.03
10 28 16 13-0021	EA	Surface Mounted, Chrome Plated Towel Ladder And Shelf	433.26	16.55
10 28 16 13-0022	EA	Surface Mounted, Retractable Chrome Plated Bath/Shower Clothesline	204.92	16.55
10 28 16 13-0023	EA	24" Length, Cut To Size Towel Bar, Surface Mounted, Ceramic Base Towel Bar	83.16	16.55
10 28 16 13-0024		Residential Medicine Cabinets, Solid Oak *(10 28 16 13-0001)*		
		Note: Surface or recessed mounted, premium quality.		
10 28 16 13-0025	EA	24" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror	322.06	55.17
10 28 16 13-0026	EA	24" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	410.25	55.17
10 28 16 13-0027	EA	30" x 30" Unlighted, Solid Oak Medicine Cabinet With Mirror	338.59	55.17
10 28 16 13-0028	EA	30" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	432.80	55.17
10 28 16 13-0029	EA	36" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror	349.01	55.17
10 28 16 13-0030	EA	36" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	452.60	55.17
10 28 16 13-0031	EA	48" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror	363.33	55.17
10 28 16 13-0032	EA	48" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	476.81	55.17
10 28 16 13-0033		Residential Toilet Accessories *(10 28 16 13-0001)*		
10 28 16 13-0034	EA	Surface Mounted Plastic Paper Towel Dispenser	108.83	24.82
10 28 16 13-0035	EA	Surface Mounted Plastic Napkin Disposal	95.76	24.82
10 28 16 13-0036	EA	50 Fluid Ounce, Plastic Soap Dispenser For Soaps And Detergent	100.37	
10 28 16 13-0037	EA	50 Fluid Ounce, Plastic Soap Dispenser For Antibacterial Soaps	114.21	24.82
10 28 16 13-0038	EA	Multi Roll (2) Plastic Toilet Tissue Dispenser	108.87	24.82
10 28 16 13-0039	EA	Single Jumbo Roll Plastic Toilet Tissue Dispenser	133.41	30.34
10 28 16 13-0040	EA	Surface Mounted Plastic Toilet Seat Cover Dispenser	73.38	22.06
10 28 16 13-0041	EA	13 Gallon Plastic Waste Door For Countertops	259.55	41.37

10 28 19 Tub and Shower Enclosures *(10 28)*

10 28 19 16 Shower Doors *(10 28 19)*

10 28 19 16-0001		Swinging Shower Doors *(10 28 19 16)*		
10 28 19 16-0002		Framed, Swinging Shower Doors *(10 28 19 16-0001)*		
10 28 19 16-0003	EA	24-1/4" To 26" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00801)	568.11	58.53
10 28 19 16-0004	EA	27-1/4" To 29" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00802)	597.66	29.27
10 28 19 16-0005	EA	29-5/8" To 31-3/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00803)	720.24	29.27

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 19 16-0006	EA	33-1/8" To 34-7/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00804)	594.52	29.27
10 28 19 16-0007	EA	35-1/8" To 36-7/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00805)	636.38	29.27
10 28 19 16-0008		Frameless, Swinging Shower Doors *(10 28 19 16-0001)*		
10 28 19 16-0009	EA	24-9/16" To 25-7/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0301D)	883.39	29.27
10 28 19 16-0010	EA	31-1/16" To 31-15/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0302D)	924.36	29.27
10 28 19 16-0011	EA	32-11/16" To 33-9/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0303D)	962.91	29.27
10 28 19 16-0012	EA	34-3/16" To 35-1/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0304D)	1,003.88	29.27
10 28 19 16-0013	EA	35-3/16" To 36-1/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0305D)	1,043.65	29.27
10 28 19 16-0014		Sliding Shower Doors *(10 28 19 16)*		
10 28 19 16-0015		Framed, Sliding Shower Doors *(10 28 19 16-0014)*		
10 28 19 16-0016	EA	40" To 42" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00735)	961.54	29.27
10 28 19 16-0017	EA	44" To 46" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00745)	878.63	29.27
10 28 19 16-0018	EA	46" To 48" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00775)	900.96	29.27
10 28 19 16-0019	EA	52" To 54" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00729)	924.71	29.27
10 28 19 16-0020	EA	54" To 56" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00794)	937.96	29.27
10 28 19 16-0021	EA	56" To 60" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00795)	957.57	29.27
10 28 19 16-0022		Frameless, Sliding Shower Doors *(10 28 19 16-0014)*		
10 28 19 16-0023	EA	40" To 44" Opening, 65-1/2" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00335)	997.84	29.27
10 28 19 16-0024	EA	44" To 48" Opening, 65-1/2" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00345)	1,223.38	29.27
10 28 19 16-0025	EA	56" To 60" Opening, 65-1/2" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00394)	1,299.29	29.27
10 28 19 16-0026	EA	40" To 44" Opening, 70" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00330)	1,170.52	29.27
10 28 19 16-0027	EA	44" To 48" Opening, 70" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00370)	1,187.14	29.27
10 28 19 16-0028	EA	56" To 60" Opening, 70" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00390)	1,341.62	29.27
10 28 19 19		**Tub Doors** *(10 28 19)*		
10 28 19 19-0001		Sliding Bathtub Doors *(10 28 19 19)*		
10 28 19 19-0002		Framed, Sliding Bathtub Doors *(10 28 19 19-0001)*		
10 28 19 19-0003	EA	52" To 54" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00725)	853.70	29.27
10 28 19 19-0004	EA	54" To 56" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00749)	863.26	29.27
10 28 19 19-0005	EA	56" To 60" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00750)	884.86	29.27

10 30 Fireplaces and Stoves *(10)*

10 31 Manufactured Fireplaces *(10 30)*

10 31 13 Manufactured Fireplace Chimneys *(10 31)*

See CSI section 23 51 00 00-0000 for chimneys.

10 31 16 Manufactured Fireplace Forms *(10 31)*

10 31 16 00-0001		Prefabricated Fireplaces *(10 31 16)* Note: Listed by screen width.		
10 31 16 00-0002		Radiant Heat Fireplace Inserts *(10 31 16 00-0001)* Note: Includes insert, screen, grate and vent connection.		
10 31 16 00-0003	EA	38" Wide Radiant Heat, Open Front Fireplace Insert	1,612.93	267.67
		For Circulating Heat Fireplace, Add	*59.27*	
10 31 16 00-0004	EA	43" Wide Radiant Heat, Open Front Fireplace Insert	1,714.00	275.95
		For Circulating Heat Fireplace, Add	*63.92*	
10 31 16 00-0005	EA	48" Wide Radiant Heat, Open Front Fireplace Insert	1,847.25	289.75
		For Circulating Heat Fireplace, Add	*69.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 31 16 00-0006		**Radiant Heat Natural Gas Fireplace** *(10 31 16 00-0001)* Note: Includes insert, screen, gas logs and vent connection. Units are remote ready.		
10 31 16 00-0007	EA	32" Wide Radiant Heat Natural Gas Fireplace	2,131.45	267.67
		For Circulating Heat Fireplace, Add	*87.79*	
		For Remote Ignition, Add	*79.81*	
10 31 16 00-0008	EA	36" Wide Radiant Heat Natural Gas Fireplace	2,266.13	275.95
		For Circulating Heat Fireplace, Add	*94.28*	
		For Remote Ignition, Add	*85.71*	
10 31 16 00-0009		**Vent Free Radiant Heat Natural Gas Fireplace** *(10 31 16 00-0001)* Note: Includes insert, screen, and gas logs. Units are remote ready.		
10 31 16 00-0010	EA	26" Wide Vent Free Radiant Heat Natural Gas Fireplace	2,322.97	231.79
		For Circulating Heat Fireplace, Add	*102.27*	
		For Remote Ignition, Add	*92.97*	
10 31 16 00-0011	EA	32" Wide Vent Free Radiant Heat Natural Gas Fireplace	2,593.30	248.35
		For Circulating Heat Fireplace, Add	*115.31*	
		For Remote Ignition, Add	*104.83*	
10 31 16 00-0012	EA	36" Wide Vent Free Radiant Heat Natural Gas Fireplace	2,891.54	275.95
		For Circulating Heat Fireplace, Add	*128.68*	
		For Remote Ignition, Add	*116.98*	
10 31 16 00-0013	EA	42" Wide Vent Free Radiant Heat Natural Gas Fireplace	3,285.11	298.03
		For Circulating Heat Fireplace, Add	*147.90*	
		For Remote Ignition, Add	*134.45*	

10 32 Fireplace Specialties *(10 30)*

10 32 16 Fireplace Inserts *(10 32)*

10 32 16 00-0001		**Gas Log Inserts, Vented** *(10 32 16)* Note: Manual controlled.		
10 32 16 00-0002	EA	15", 4 Log Set Gas Log Insert	740.14	117.10
10 32 16 00-0003	EA	18", 6 Log Set Gas Log Insert	910.58	117.10
10 32 16 00-0004	EA	21", 6 Log Set Gas Log Insert	960.35	117.10
10 32 16 00-0005	EA	24", 6 or 7 Log Set Gas Log Insert	1,010.12	117.10
10 32 16 00-0006	EA	30", 7 or 8 Log Set Gas Log Insert	1,285.02	117.10
10 32 16 00-0007	EA	36", 8 to 11 Log Set Gas Log Insert	1,513.52	117.10

10 32 19 Fireplace Screens *(10 32)*

10 32 19 00-0001		**Screens, Mounted** *(10 32 19)*		
10 32 19 00-0002	EA	Black Powder Coated Steel Screen And Frame Note: Fits Heights between 18" to 27" and widths up to 42".	167.07	
10 32 19 00-0003	EA	Stainless Steel Screen And Frame Note: Fits Heights between 18" to 27" and widths up to 42".	284.55	

10 32 23 Fireplace Doors *(10 32)*

10 32 23 00-0001		**Glass Doors, Bi-Fold** *(10 32 23)* Note: Includes anodized aluminum enclosure with 2 3/4" top and side panels and a 11/16" bottom panel. Flat black or polished brass finish.		
10 32 23 00-0002	EA	29" To 32" Wide Glass Fireplace Door, 25" To 32" Height Note: Includes 1/4" tempered glass.	1,277.22	74.70
		For Wire Mesh Screen, Add	*96.00*	
		For Wire Mesh Door, Add	*152.00*	
10 32 23 00-0003	EA	32" To 35" Wide Glass Fireplace Door, 25" To 32" Height Note: Includes 1/4" tempered glass.	1,394.61	74.70
		For Wire Mesh Screen, Add	*96.00*	
		For Wire Mesh Door, Add	*152.00*	
10 32 23 00-0004	EA	35" To 38" Wide Glass Fireplace Door, 25" To 32" Height Note: Includes 1/4" tempered glass.	1,488.51	74.70
		For Wire Mesh Screen, Add	*96.00*	
		For Wire Mesh Door, Add	*152.00*	
10 32 23 00-0005	EA	38" To 43" Wide Glass Fireplace Door, 25" To 32" Height Note: Includes 1/4" tempered glass.	1,601.20	74.70
		For Wire Mesh Screen, Add	*96.00*	
		For Wire Mesh Door, Add	*152.00*	
10 32 23 00-0006		**Chimney Dampers / Chimalator** *(10 32 23)* Note: Stainless steel top sealing damper cap.		
10 32 23 00-0007	EA	8" x 8" Stainless Steel Chimalator Top Sealing Damper Cap	538.21	22.09
10 32 23 00-0008	EA	8" x 13" Stainless Steel Chimalator Top Sealing Damper Cap	559.15	23.50
10 32 23 00-0009	EA	8" x 18" Stainless Steel Chimalator Top Sealing Damper Cap	724.87	26.79
10 32 23 00-0010	EA	8" x 20" Stainless Steel Chimalator Top Sealing Damper Cap	775.46	26.79
10 32 23 00-0011	EA	10" x 18" Stainless Steel Chimalator Top Sealing Damper Cap	820.57	33.61
10 32 23 00-0012	EA	12" x 12" Stainless Steel Chimalator Top Sealing Damper Cap	631.28	33.61
10 32 23 00-0013	EA	12" x 16" Stainless Steel Chimalator Top Sealing Damper Cap	790.69	40.32
10 32 23 00-0014	EA	13" x 13" Stainless Steel Chimalator Top Sealing Damper Cap	631.28	33.61

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 32 23 00-0015	EA	13" x 18" Stainless Steel Chimalator Top Sealing Damper Cap	790.69	40.32
10 32 23 00-0016	EA	13" x 21" Stainless Steel Chimalator Top Sealing Damper Cap	1,006.87	40.32
10 32 23 00-0017	EA	16" x 16" Stainless Steel Chimalator Top Sealing Damper Cap	904.60	56.42
10 32 23 00-0018	EA	16" x 20" Stainless Steel Chimalator Top Sealing Damper Cap	1,116.19	56.42
10 32 23 00-0019	EA	18" x 18" Stainless Steel Chimalator Top Sealing Damper Cap	944.28	59.36
10 32 23 00-0020	EA	18" x 21" Stainless Steel Chimalator Top Sealing Damper Cap	1,183.32	59.36
10 32 23 00-0021	EA	20" x 20" Stainless Steel Chimalator Top Sealing Damper Cap	1,271.36	62.64
10 32 23 00-0022	EA	20" x 24" Stainless Steel Chimalator Top Sealing Damper Cap	1,371.02	62.64
10 32 23 00-0023	EA	24" x 24" Stainless Steel Chimalator Top Sealing Damper Cap	1,458.52	66.40

10 40 Safety Specialties *(10)*

10 41 Emergency Access And Information Cabinets *(10 40)*

10 41 13 Fire Department Plan Cabinets *(10 41)*

10 41 13 00-0001 Fire Department Plan Cabinets (Knox) *(10 41 13)*

10 41 13 00-0002	EA	18" High x 14-1/2" Wide x 5" Deep, Light Gray Finish, Surface Mount, Fire Department Emergency Storage Cabinet (Knox 1300)	1,750.65	35.85
		For Tamper Switch Connected To Existing Alarm System, Add	*40.00*	
		For Dual Locks, Add	*60.00*	
		For Back Key Hook Panel, Add	*59.11*	
		For Swing Key Hook Panel, Add	*158.11*	
		For Non-Locking Weather Housing, Add	*397.33*	
10 41 13 00-0003	EA	18" High x 14-1/2" Wide x 7" Deep, Light Gray Finish, Surface Mount, Fire Department Emergency Storage Cabinet (Knox 1300)	1,857.06	35.85
		For Tamper Switch Connected To Existing Alarm System, Add	*40.00*	
		For Dual Locks, Add	*60.00*	
		For Back Key Hook Panel, Add	*59.11*	
		For Swing Key Hook Panel, Add	*158.11*	
		For Second Swing Key Hook Panel, Add	*125.11*	
		For Non-Locking Weather Housing, Add	*397.33*	

10 41 16 Emergency Key Cabinets *(10 41)*

10 41 16 00-0001 Emergency Key Cabinets (Knox) *(10 41 16)*

10 41 16 00-0002	EA	Elevator/Lobby, Deep Red Finish, Surface Mount, Fire Department Emergency Key Storage Box (Knox 1403)	867.49	35.85
		For Tamper Switch Connected To Existing Alarm System, Add	*40.00*	
10 41 16 00-0003	EA	5" High x 4" Wide x 3-3/4" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Box 3200)	761.08	35.85
		For Lift-Off Door, Deduct	*-40.00*	
		For Aluminum Or Dark Bronze Finish, Add	*10.00*	
		For Tamper Switch Connected To Existing Alarm System, Add	*40.00*	
		For Recess Mount, Add	*60.55*	
		For Cast-In-Place Concrete Recess Mounting, Add	*119.00*	
10 41 16 00-0004	EA	6" High x 6" Wide x 4-1/2" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Vault 4100)	1,021.78	35.85
		For Aluminum Or Dark Bronze Finish, Add	*10.00*	
		For Tamper Switch Connected To Existing Alarm System, Add	*40.00*	
		For Recess Mount, Add	*60.55*	
		For Dual Locks, Add	*60.00*	
		For Cast-In-Place Concrete Recess Mounting, Add	*130.00*	
10 41 16 00-0005	EA	7" High x 7" Wide x 5" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Vault 4400)	1,088.28	35.85
		For Aluminum Or Dark Bronze Finish, Add	*10.00*	
		For Tamper Switch Connected To Existing Alarm System, Add	*40.00*	
		For Recess Mount, Add	*60.55*	
		For Dual Locks, Add	*60.00*	
		For Cast-In-Place Concrete Recess Mounting, Add	*135.00*	

10 44 Fire Protection Specialties *(10 40)*

10 44 13 Fire Protection Cabinets *(10 44)*

10 44 13 00-0001 Fire Extinguisher Cabinets *(10 44 13)*

10 44 13 00-0002 Recessed Fire Extinguisher Cabinets *(10 44 13 00-0001)*

10 44 13 00-0003 Steel Door And Trim, Recessed Fire Extinguisher Cabinets *(10 44 13 00-0002)*

Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0004	EA	9" x 18" x 5-1/2" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	392.31	45.24
10 44 13 00-0005	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	400.11	45.24
10 44 13 00-0006	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	401.67	45.24
10 44 13 00-0007	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	450.04	45.24
10 44 13 00-0008	EA	16" x 32" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	576.41	45.24
10 44 13 00-0009	EA	20" x 27" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	593.57	45.24

10 44 13 00-0010 Aluminum Door And Trim, Recessed Fire Extinguisher Cabinets *(10 44 13 00-0002)*

Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0011	EA	9" x 18" x 5-1/2" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	369.06	45.24

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0012	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	374.98	45.24
10 44 13 00-0013	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	384.84	45.24
10 44 13 00-0014	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	401.61	45.24
10 44 13 00-0015	EA	16" x 32" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	453.46	45.24
10 44 13 00-0016	EA	20" x 27" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	469.24	45.24
10 44 13 00-0017		**Stainless Steel Door And Trim, Recessed Fire Extinguisher Cabinets** *(10 44 13 00-0002)*		
		Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0018	EA	9" x 18" x 5-1/2" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	529.04	45.24
10 44 13 00-0019	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	542.81	45.24
10 44 13 00-0020	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	549.70	45.24
10 44 13 00-0021	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	596.75	45.24
10 44 13 00-0022	EA	16" x 32" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	691.56	45.24
10 44 13 00-0023	EA	20" x 27" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	720.25	45.24
10 44 13 00-0024		**Bronze Door And Trim, Recessed Fire Extinguisher Cabinets** *(10 44 13 00-0002)*		
		Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0025	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet	1,656.27	45.24
10 44 13 00-0026	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet	1,668.87	45.24
10 44 13 00-0027	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet	1,925.81	45.24
10 44 13 00-0028		**Acrylic Bubble Door And Steel Trim, Recessed Fire Extinguisher Cabinets** *(10 44 13 00-0002)*		
		Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		
10 44 13 00-0029	EA	10-1/2" x 24" x 4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	493.72	45.24
10 44 13 00-0030	EA	14" x 30" x 4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	553.01	45.24
10 44 13 00-0031		**Semi-Recessed Fire Extinguisher Cabinets** *(10 44 13 00-0001)*		
10 44 13 00-0032		**Steel Door And Trim, Semi-Recessed Fire Extinguisher Cabinets** *(10 44 13 00-0031)*		
		Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0033	EA	9" x 18" x 5-1/2" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet	434.44	45.24
10 44 13 00-0034	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet	450.04	45.24
10 44 13 00-0035	EA	10-1/2" x 24" x 6" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet	451.60	45.24
10 44 13 00-0036	EA	12" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet	504.64	45.24
10 44 13 00-0037	EA	16" x 32" x 7-3/4" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet	610.73	45.24
10 44 13 00-0038	EA	20" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet	627.89	45.24
10 44 13 00-0039		**Aluminum Door And Trim, Semi-Recessed Fire Extinguisher Cabinets** *(10 44 13 00-0031)*		
		Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0040	EA	9" x 18" x 5-1/2" Inside Dimensions, Semi-Recessed Aluminum Fire Extinguisher Cabinet	413.02	45.24
10 44 13 00-0041	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi-Recessed Aluminum Fire Extinguisher Cabinet	427.81	45.24
10 44 13 00-0042	EA	10-1/2" x 24" x 6" Inside Dimensions, Semi-Recessed Aluminum Fire Extinguisher Cabinet	436.69	45.24
10 44 13 00-0043	EA	12" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Aluminum Fire Extinguisher Cabinet	453.46	45.24
10 44 13 00-0044	EA	16" x 32" x 7-3/4" Inside Dimensions, Semi-Recessed Aluminum Fire Extinguisher Cabinet	511.65	45.24
10 44 13 00-0045	EA	20" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Aluminum Fire Extinguisher Cabinet	525.46	45.24
10 44 13 00-0046		**Stainless Steel Door And Trim, Semi-Recessed Fire Extinguisher Cabinets** *(10 44 13 00-0031)*		
		Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0047	EA	9" x 18" x 5-1/2" Inside Dimensions, Semi-Recessed Stainless Steel Fire Extinguisher Cabinet	589.43	45.24
10 44 13 00-0048	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi-Recessed Stainless Steel Fire Extinguisher Cabinet	605.50	45.24
10 44 13 00-0049	EA	10-1/2" x 24" x 6" Inside Dimensions, Semi-Recessed Stainless Steel Fire Extinguisher Cabinet	612.38	45.24
10 44 13 00-0050	EA	12" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Stainless Steel Fire Extinguisher Cabinet	647.96	45.24
10 44 13 00-0051	EA	16" x 32" x 7-3/4" Inside Dimensions, Semi-Recessed Stainless Steel Fire Extinguisher Cabinet	736.32	45.24
10 44 13 00-0052	EA	20" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Stainless Steel Fire Extinguisher Cabinet	755.83	45.24
10 44 13 00-0053		**Bronze Door And Trim, Semi-Recessed Fire Extinguisher Cabinets** *(10 44 13 00-0031)*		
		Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0054	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi-Recessed Bronze Fire Extinguisher Cabinet	2,105.07	45.24
10 44 13 00-0055	EA	10-1/2" x 24" x 6" Inside Dimensions, Semi-Recessed Bronze Fire Extinguisher Cabinet	2,115.64	45.24
10 44 13 00-0056	EA	12" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Bronze Fire Extinguisher Cabinet	2,434.78	45.24
10 44 13 00-0057		**Acrylic Bubble Door And Steel Trim, Semi-Recessed Fire Extinguisher Cabinets** *(10 44 13 00-0031)*		
		Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		
10 44 13 00-0058	EA	10-1/2" x 24" x 4" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	549.89	45.24
10 44 13 00-0059	EA	14" x 30" x 4" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	606.05	45.24
10 44 13 00-0060		**Surface Mounted Fire Extinguisher Cabinets** *(10 44 13 00-0001)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0061		**Steel Door And Trim, Surface Mount Fire Extinguisher Cabinets** *(10 44 13 00-0060)*		
		Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0062	EA	12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	421.96	45.24
10 44 13 00-0063	EA	13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	431.32	45.24
10 44 13 00-0064	EA	15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	506.20	45.24
10 44 13 00-0065	EA	19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	598.25	45.24
10 44 13 00-0066	EA	23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	623.21	45.24
10 44 13 00-0067		**Aluminum Door And Trim, Surface Mount Fire Extinguisher Cabinets** *(10 44 13 00-0060)*		
		Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0068	EA	12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	506.72	45.24
10 44 13 00-0069	EA	13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	519.54	45.24
10 44 13 00-0070	EA	15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	548.15	45.24
10 44 13 00-0071	EA	19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	604.37	45.24
10 44 13 00-0072	EA	23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	628.04	45.24
10 44 13 00-0073		**Stainless Steel Door And Trim, Surface Mount Fire Extinguisher Cabinets** *(10 44 13 00-0060)*		
		Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0074	EA	12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet	689.27	45.24
10 44 13 00-0075	EA	13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet	711.07	45.24
10 44 13 00-0076	EA	15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet	765.01	45.24
10 44 13 00-0077	EA	19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet	869.44	45.24
10 44 13 00-0078	EA	23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet	901.57	45.24
10 44 13 00-0079		**Bronze Door And Trim, Surface Mount Fire Extinguisher Cabinets** *(10 44 13 00-0060)*		
		Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0080	EA	13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Bronze Fire Extinguisher Cabinet	2,424.82	45.24
10 44 13 00-0081	EA	15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Bronze Fire Extinguisher Cabinet	2,741.53	45.24
10 44 13 00-0082		**Acrylic Bubble Door And Steel Trim, Surface Mount Fire Extinguisher Cabinets** *(10 44 13 00-0060)*		
		Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		
10 44 13 00-0083	EA	13-11/16" x 27-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	515.56	45.24
10 44 13 00-0084	EA	17-3/16" x 33-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	584.21	45.24
10 44 13 00-0085	EA	31-3/16" x 33-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	824.47	45.24
10 44 13 00-0086		**Fire Extinguisher Cabinet Accessories** *(10 44 13 00-0001)*		
10 44 13 00-0087	EA	Standard Break Glass Cylinder Lock Mechanism	39.56	13.79
10 44 13 00-0088	EA	Breaker Bar And Chain For Break Glass Cabinets	35.37	13.79
10 44 13 00-0089	EA	Replacement Of Standard Pull Handle	32.82	
10 44 13 00-0090	EA	Fire Extinguisher Cabinet Battery Operated Alarm	109.07	27.58
10 44 13 00-0091	EA	Fire Rated Option For 10-1/2" x 24" x 5-1/2" Or 6" Cabinets	238.02	
10 44 13 00-0092	EA	Fire Rated Option For 12" x 27" x 7-3/4" Cabinets	261.82	
10 44 13 00-0093	EA	Fire Rated Option For 16" x 32" x 7-3/4" Cabinets	357.03	
10 44 13 00-0094	EA	Fire Rated Option For 20" x 27" x 7-3/4" Cabinets	487.94	
10 44 13 00-0095	EA	Fire Rated Option For 9" x 18" x 5-1/2" Cabinets	571.25	
10 44 13 00-0096	EA	Standard Glass With Wire Glass For 9" x 18" x 5-1/2" Cabinets	138.05	
10 44 13 00-0097	EA	Standard Glass With Wire Glass For 10-1/2" x 24" x 5-1/2" Or 6" Cabinets	142.81	
10 44 13 00-0098	EA	Standard Glass With Wire Glass For 12" x 27" x 7-3/4" Cabinets	190.42	
10 44 13 00-0099	EA	Standard Glass With Wire Glass For 16" x 32" x 7-3/4" Cabinets	345.13	
10 44 13 00-0100	EA	Standard Glass With Wire Glass For 20" x 27" x 7-3/4" Cabinets	349.89	
10 44 13 00-0101	EA	Standard Glass With Wire Glass For 12-3/16" x 21-3/16" x 6" Cabinets	130.92	
10 44 13 00-0102	EA	Standard Glass With Wire Glass For 13-11/16" x 27-3/16" x 6-1/2" Cabinets	137.47	
10 44 13 00-0103	EA	Standard Glass With Wire Glass For 15-3/16" x 30-3/16" x 8-1/4" Cabinets	185.47	
10 44 13 00-0104	EA	Standard Glass With Wire Glass For 19-3/16" x 35-3/16" x 8-1/4" Cabinets	327.30	
10 44 13 00-0105	EA	Standard Glass With Wire Glass For 23-3/16" x 30-3/16" x 8-1/4" Cabinets	331.66	
10 44 13 00-0106		**Fire Hose Cabinets** *(10 44 13)*		
		Note: Excludes hoses, hose rack units, fire extinguishers and valves. See CSI section 21 12 13 00-0001 for fire hoses and nozzles, 21 12 13 00-0015 for fire hose rack units, 21 12 23 00-0001 for fire department valves, 21 12 23 00-0014 for fire hose angle valves.		
10 44 13 00-0107		**Recessed Fire Hose Cabinets** *(10 44 13 00-0106)*		
10 44 13 00-0108		**Steel Door And Trim, Recessed Fire Hose Cabinets** *(10 44 13 00-0107)*		
		Note: Includes baked enamel finish, steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0109	EA	34" x 24" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	686.68	161.13
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0110	EA	34" x 26" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	698.97	161.13
		For Solid Steel Door, Deduct	*-8.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0111	EA	38" x 24" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	709.21	161.13
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0112	EA	38" x 26" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	719.46	161.13
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0113	EA	30" x 30" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	731.74	161.13
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0114	EA	38" x 32" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	764.49	161.13
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0115	EA	23" x 18" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	774.74	161.13
		For Solid Steel Door, Deduct	*-8.60*	

10 44 13 00-0116 Aluminum Door And Trim, Recessed Fire Hose Cabinets *(10 44 13 00-0107)*

Note: Includes clear satin anodized finish, aluminum door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 44 13 00-0117	EA	34" x 24" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	743.43	161.13
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0118	EA	30" x 30" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	763.23	161.13
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0119	EA	34" x 26" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	765.80	161.13
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0120	EA	38" x 24" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	774.03	161.13
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0121	EA	38" x 26" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	784.83	161.13
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0122	EA	38" x 32" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	815.42	161.13
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0123	EA	23" x 18" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	846.02	161.13
		For Solid Aluminum Door, Add	*6.50*	

10 44 13 00-0124 Stainless Steel Door And Trim, Recessed Fire Hose Cabinets *(10 44 13 00-0107)*

Note: Includes #4 finish, stainless steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 44 13 00-0125	EA	23" x 18" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	978.33	161.13
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0126	EA	34" x 24" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	1,080.77	161.13
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0127	EA	34" x 26" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	1,090.63	161.13
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0128	EA	38" x 24" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	1,122.15	161.13
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0129	EA	38" x 26" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	1,132.00	161.13
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0130	EA	30" x 30" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	1,183.22	161.13
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0131	EA	38" x 32" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	1,234.45	161.13
		For Solid Stainless Steel Door, Deduct	*-7.70*	

10 44 13 00-0132 Semi-Recessed Fire Hose Cabinets *(10 44 13 00-0106)*

10 44 13 00-0133 Steel Door And Trim, Semi-Recessed Fire Hose Cabinets *(10 44 13 00-0132)*

Note: Includes baked enamel finish, steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 44 13 00-0134	EA	34" x 24" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet	719.46	161.13
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0135	EA	34" x 26" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet	731.74	161.13
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0136	EA	38" x 24" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet	741.96	161.13
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0137	EA	38" x 26" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet	754.25	161.13
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0138	EA	30" x 30" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet	764.49	161.13
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0139	EA	38" x 32" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet	797.24	161.13
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0140	EA	23" x 18" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet	809.52	161.13
		For Solid Steel Door, Deduct	*-8.60*	

10 44 13 00-0141 Aluminum Door And Trim, Semi-Recessed Fire Hose Cabinets *(10 44 13 00-0132)*

Note: Includes clear satin anodized finish, aluminum door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 44 13 00-0142	EA	34" x 24" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet	763.23	161.13
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0143	EA	34" x 26" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet	784.83	161.13
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0144	EA	30" x 30" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet	787.91	161.13
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0145	EA	38" x 24" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet	793.83	161.13
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0146	EA	38" x 26" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet	804.62	161.13
		For Solid Aluminum Door, Add	*6.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0147	EA	38" x 32" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet	835.22	161.13
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0148	EA	23" x 18" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet	865.82	161.13
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0149		**Stainless Steel Door And Trim, Semi-Recessed Fire Hose Cabinets** *(10 44 13 00-0132)*		
		Note: Includes #4 finish, 304 stainless steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0150	EA	23" x 18" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet	1,039.40	161.13
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0151	EA	34" x 24" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet	1,151.70	161.13
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0152	EA	34" x 26" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet	1,161.55	161.13
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0153	EA	38" x 24" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet	1,193.07	161.13
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0154	EA	38" x 26" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet	1,202.92	161.13
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0155	EA	30" x 30" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet	1,254.15	161.13
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0156	EA	38" x 32" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet	1,305.37	161.13
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0157		**Surface Mount Fire Hose Cabinets** *(10 44 13 00-0106)*		
10 44 13 00-0158		**Steel Door And Trim, Surface Mount Fire Hose Cabinets** *(10 44 13 00-0157)*		
		Note: Includes baked enamel finish, steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0159	EA	37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	731.74	161.13
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0160	EA	37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	741.96	161.13
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0161	EA	41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	754.25	161.13
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0162	EA	41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	764.49	161.13
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0163	EA	33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	774.74	161.13
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0164	EA	41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	809.52	161.13
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0165	EA	26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	819.77	161.13
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0166		**Aluminum Door And Trim, Surface Mount Fire Hose Cabinets** *(10 44 13 00-0157)*		
		Note: Includes clear satin anodized finish, aluminum door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0167	EA	37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	815.42	161.13
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0168	EA	33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	835.22	161.13
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0169	EA	37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	840.36	161.13
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0170	EA	41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	846.02	161.13
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0171	EA	41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	855.02	161.13
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0172	EA	41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	887.42	161.13
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0173	EA	26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	907.22	161.13
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0174		**Stainless Steel Door And Trim, Surface Mount Fire Hose Cabinets** *(10 44 13 00-0157)*		
		Note: Includes #4 finish, 304 stainless steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0175	EA	26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,122.15	161.13
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0176	EA	37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,449.20	161.13
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0177	EA	41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,531.94	161.13
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0178	EA	37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,551.64	161.13
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0179	EA	41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,571.35	161.13
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0180	EA	33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,654.09	161.13
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0181	EA	41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,756.54	161.13
		For Solid Stainless Steel Door, Deduct	*-7.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 44 16 Fire Extinguishers *(10 44)*

10 44 16 13 Portable Fire Extinguishers *(10 44 16)*

Note: Includes filling, certification, bracket, hardware and mounting on wall.

10 44 16 13-0001 Carbon Dioxide Type, Class BC Portable Fire Extinguisher *(10 44 16 13)*

10 44 16 13-0002	EA	2.5 Lb. Carbon Dioxide, Type BC Portable Fire Extinguisher	181.70	14.34
		For >5 To 10, Deduct	*-5.41*	
		For >10, Deduct	*-10.82*	
		For Placement In Cabinet, Deduct	*-36.78*	
10 44 16 13-0003	EA	5 Lb. Carbon Dioxide, Type BC Portable Fire Extinguisher	263.62	16.55
		For >5 To 10, Deduct	*-8.94*	
		For >10, Deduct	*-17.87*	
		For Placement In Cabinet, Deduct	*-42.44*	
10 44 16 13-0004	EA	10 Lb. Carbon Dioxide, Type BC Portable Fire Extinguisher	342.89	20.97
		For >5 To 10, Deduct	*-11.63*	
		For >10, Deduct	*-23.26*	
		For Placement In Cabinet, Deduct	*-55.17*	
10 44 16 13-0005	EA	15 Lb. Carbon Dioxide, Type BC Portable Fire Extinguisher	422.34	26.48
		For >5 To 10, Deduct	*-14.22*	
		For >10, Deduct	*-28.44*	
		For Placement In Cabinet, Deduct	*-68.96*	
10 44 16 13-0006	EA	20 Lb. Carbon Dioxide, Type BC Portable Fire Extinguisher	468.81	26.48
		For >5 To 10, Deduct	*-16.55*	
		For >10, Deduct	*-33.09*	
		For Placement In Cabinet, Deduct	*-68.96*	
10 44 16 13-0007	EA	50 Lb. Carbon Dioxide, Type BC Wheeled Fire Extinguisher	1,488.07	41.92
		For >5 To 10, Deduct	*-63.37*	
		For >10, Deduct	*-126.74*	
10 44 16 13-0008	EA	100 Lb. Carbon Dioxide, Type BC Wheeled Fire Extinguisher	2,900.72	41.92
		For >5 To 10, Deduct	*-134.00*	
		For >10, Deduct	*-268.01*	

10 44 16 13-0009 Dry Chemical Type, Class ABC Portable Fire Extinguisher *(10 44 16 13)*

10 44 16 13-0010	EA	2.6 Lb. Dry Chemical, Type ABC Portable Fire Extinguisher	114.79	14.34
		For >5 To 10, Deduct	*-2.06*	
		For >10, Deduct	*-4.12*	
		For Placement In Cabinet, Deduct	*-36.78*	
10 44 16 13-0011	EA	5 Lb. Dry Chemical, Type ABC Portable Fire Extinguisher	143.37	16.55
		For >5 To 10, Deduct	*-2.92*	
		For >10, Deduct	*-5.85*	
		For Placement In Cabinet, Deduct	*-42.44*	
10 44 16 13-0012	EA	10 Lb. Dry Chemical, Type ABC Portable Fire Extinguisher	203.44	20.97
		For >5 To 10, Deduct	*-4.66*	
		For >10, Deduct	*-9.31*	
		For Placement In Cabinet, Deduct	*-55.17*	
10 44 16 13-0013	EA	20 Lb. Dry Chemical, Type ABC Portable Fire Extinguisher	284.45	26.48
		For >5 To 10, Deduct	*-7.33*	
		For >10, Deduct	*-14.65*	
		For Placement In Cabinet, Deduct	*-68.96*	
10 44 16 13-0014	EA	50 Lb. Dry Chemical, Type ABC Wheeled Fire Extinguisher	1,780.28	41.92
		For >5 To 10, Deduct	*-77.98*	
		For >10, Deduct	*-155.96*	
10 44 16 13-0015	EA	125 Lb. Dry Chemical, Type ABC Wheeled Fire Extinguisher	2,634.44	41.92
		For >5 To 10, Deduct	*-120.69*	
		For >10, Deduct	*-241.38*	

10 44 16 13-0016 Other Portable Fire Extinguishers *(10 44 16 13)*

10 44 16 13-0017	EA	2.5 Gallon Water, Stored Pressure Portable Fire Extinguisher Note: Stainless steel.	204.83	16.55
		For >5 To 10, Deduct	*-6.00*	
		For >10, Deduct	*-12.00*	
		For Placement In Cabinet, Deduct	*-42.44*	
10 44 16 13-0018	EA	1.6 Gallon Wet Chemical, Class K Portable Fire Extinguisher Note: Stainless steel.	311.03	26.48
		For >5 To 10, Deduct	*-8.66*	
		For >10, Deduct	*-17.31*	
		For Placement In Cabinet, Deduct	*-68.96*	
10 44 16 13-0019	EA	2.5 Gallon Wet Chemical, Class K Portable Fire Extinguisher Note: Stainless steel.	329.89	26.48
		For >5 To 10, Deduct	*-9.60*	
		For >10, Deduct	*-19.20*	
		For Placement In Cabinet, Deduct	*-68.96*	
10 44 16 13-0020	EA	30 Lb. Dry Powder, Class D Portable Fire Extinguisher. Note: Yellow steel.	460.17	26.48
		For >5 To 10, Deduct	*-16.11*	
		For >10, Deduct	*-32.23*	

10 44 16 13-0021 Fire Extinguisher Backboards *(10 44 16 13)*

10 44 16 13-0022 Fire Extinguisher Backboards *(10 44 16 13-0021)*

Note: Mounted to any wall. Includes anchors.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 16 13-0023	EA	Red Painted 1/2" x 12" x 40" Beveled Edge Plywood Fire Extinguisher Backboard	119.15	18.92
10 44 16 13-0024	EA	Relocate Fire Extinguisher Wood Backboard, Any Size Note: Includes storage and cleaning.	166.87	

10 44 16 13-0025 Inspections And Testing *(10 44 16 13)*

10 44 16 13-0026	EA	On Site Fire Extinguisher Annual Inspection (Tag)	8.65	
10 44 16 13-0027	EA	On Site Fire Extinguisher Hydrotest	12.71	

10 44 19 Fire Blankets *(10 44)*

10 44 19 00-0001	EA	Vertical Roller Type Fire Blanket Cabinet (JL Industries 1FB) Note: Includes a 62" x 84", 3-1/2 pound, processed wool fire blanket.	524.33	45.24
10 44 19 00-0002	EA	Drop Type Fire Blanket Cabinet (JL Industries 2FB) Note: Includes a 62" x 84", 3-1/2 pound, processed wool fire blanket.	376.12	45.24

10 45 Photoluminescent Exit Specialties *(10 40)*

10 45 00 00-0001 Photoluminescent Illuminated Egress Markings *(10 45)*

10 45 00 00-0002	LF	1" Wide Egress / Exit Photoluminescent Path Marking Tape Applied To Floors Note: Peel and stick.	9.62	
		For Wall Applied, Add	*1.00*	
10 45 00 00-0003	LF	1-1/2" Wide Egress / Exit Photoluminescent Path Marking Tape Applied To Floors Note: Peel and stick.	10.19	
		For Wall Applied, Add	*1.00*	
10 45 00 00-0004	LF	2" Wide Egress / Exit Photoluminescent Path Marking Tape Applied To Floors Note: Peel and stick.	10.76	
		For Wall Applied, Add	*1.00*	
10 45 00 00-0005	LF	1-1/2" Wide Egress / Exit Photoluminescent Path Marking Tape With Arrows Applied To Floors Note: Peel and stick.	10.19	
		For Wall Applied, Add	*1.00*	
10 45 00 00-0006	LF	2" Wide Egress / Exit Photoluminescent Path Marking Tape With Arrows Applied To Floors Note: Peel and stick.	11.32	
		For Wall Applied, Add	*1.00*	
10 45 00 00-0007	LF	1-1/2" Wide Egress Photoluminescent Danger Warning Marking Tape With Stripes Applied To Floors Note: Peel and stick.	12.04	
		For Wall Applied, Add	*1.00*	
10 45 00 00-0008	EA	1" Wide x 48" Long Photoluminescent Strip Exit Path Marking Applied To Floors Note: Self adhesive, high bond foam backing.	52.54	
10 45 00 00-0009	EA	1" Wide x 30" Long Aluminum Stair Nosing With Photoluminescent Strip Note: Self adhesive, high bond foam backing.	51.82	

10 50 Storage Specialties *(10)*

10 51 Lockers *(10 50)*

10 51 13 Metal Lockers *(10 51)*

10 51 13 00-0001 Institutional And Corridor Lockers *(10 51 13)*
Note: Price per frame. Includes baked enamel 24 gauge solid body components and 6" legs. Excludes slope top, base fillers, and locks.

10 51 13 00-0002 Single Tier Institutional Or Corridor Locker *(10 51 13 00-0001)*
Note: Includes one hat shelf, three single hooks and one double hook.

10 51 13 00-0003	EA	12" x 12" x 48" Single Tier Institutional Or Corridor Locker	287.30	34.20
		For >25 To 50, Deduct	*-10.94*	
		For >50 To 100, Deduct	*-22.92*	
		For >100, Deduct	*-34.89*	
		For 14 Gauge Doors, Add	*17.51*	
10 51 13 00-0004	EA	12" x 15" x 48" Single Tier Institutional Or Corridor Locker	295.97	34.20
		For >25 To 50, Deduct	*-11.38*	
		For >50 To 100, Deduct	*-23.78*	
		For >100, Deduct	*-36.19*	
		For 14 Gauge Doors, Add	*18.20*	
10 51 13 00-0005	EA	12" x 18" x 48" Single Tier Institutional Or Corridor Locker	304.62	34.20
		For >25 To 50, Deduct	*-11.81*	
		For >50 To 100, Deduct	*-24.65*	
		For >100, Deduct	*-37.48*	
		For 14 Gauge Doors, Add	*18.90*	
10 51 13 00-0006	EA	12" x 12" x 60" Single Tier Institutional Or Corridor Locker	271.45	34.20
		For >25 To 50, Deduct	*-10.15*	
		For >50 To 100, Deduct	*-21.33*	
		For >100, Deduct	*-32.51*	
		For 14 Gauge Doors, Add	*16.24*	
10 51 13 00-0007	EA	12" x 15" x 60" Single Tier Institutional Or Corridor Locker	282.21	34.20
		For >25 To 50, Deduct	*-10.69*	
		For >50 To 100, Deduct	*-22.41*	
		For >100, Deduct	*-34.12*	
		For 14 Gauge Doors, Add	*17.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0008	EA	12" x 18" x 60" Single Tier Institutional Or Corridor Locker	296.92	34.20
		For >25 To 50, Deduct	*-11.43*	
		For >50 To 100, Deduct	*-23.88*	
		For >100, Deduct	*-36.33*	
		For 14 Gauge Doors, Add	*18.28*	
10 51 13 00-0009	EA	12" x 12" x 72" Single Tier Institutional Or Corridor Locker	295.98	35.31
		For >25 To 50, Deduct	*-11.27*	
		For >50 To 100, Deduct	*-23.60*	
		For >100, Deduct	*-35.92*	
		For 14 Gauge Doors, Add	*18.03*	
10 51 13 00-0010	EA	12" x 15" x 72" Single Tier Institutional Or Corridor Locker	304.90	35.31
		For >25 To 50, Deduct	*-11.71*	
		For >50 To 100, Deduct	*-24.49*	
		For >100, Deduct	*-37.26*	
		For 14 Gauge Doors, Add	*18.74*	
10 51 13 00-0011	EA	12" x 18" x 72" Single Tier Institutional Or Corridor Locker	313.59	35.31
		For >25 To 50, Deduct	*-12.15*	
		For >50 To 100, Deduct	*-25.36*	
		For >100, Deduct	*-38.57*	
		For 14 Gauge Doors, Add	*19.44*	
10 51 13 00-0012	EA	15" x 15" x 72" Single Tier Institutional Or Corridor Locker	328.60	35.31
		For >25 To 50, Deduct	*-12.90*	
		For >50 To 100, Deduct	*-26.86*	
		For >100, Deduct	*-40.82*	
		For 14 Gauge Doors, Add	*20.64*	
10 51 13 00-0013	EA	15" x 18" x 72" Single Tier Institutional Or Corridor Locker	343.46	35.31
		For >25 To 50, Deduct	*-13.64*	
		For >50 To 100, Deduct	*-28.34*	
		For >100, Deduct	*-43.05*	
		For 14 Gauge Doors, Add	*21.83*	
10 51 13 00-0014	EA	18" x 18" x 72" Single Tier Institutional Or Corridor Locker	359.19	35.31
		For >25 To 50, Deduct	*-14.43*	
		For >50 To 100, Deduct	*-29.92*	
		For >100, Deduct	*-45.41*	
		For 14 Gauge Doors, Add	*23.09*	
10 51 13 00-0015	EA	18" x 21" x 72" Single Tier Institutional Or Corridor Locker	373.72	35.31
		For >25 To 50, Deduct	*-15.16*	
		For >50 To 100, Deduct	*-31.37*	
		For >100, Deduct	*-47.58*	
		For 14 Gauge Doors, Add	*24.25*	
10 51 13 00-0016	EA	24" x 24" x 72" Single Tier Institutional Or Corridor Locker	506.46	35.31
		For >25 To 50, Deduct	*-21.79*	
		For >50 To 100, Deduct	*-44.64*	
		For >100, Deduct	*-67.50*	
		For 14 Gauge Doors, Add	*34.87*	

10 51 13 00-0017 Two Tier Institutional Or Corridor Locker *(10 51 13 00-0001)*

Note: Includes three single hooks and one double hook per tier.

10 51 13 00-0018	EA	12" x 12" x 60" Two Tier Institutional Or Corridor Locker	321.09	35.31
		For >25 To 50, Deduct	*-12.52*	
		For >50 To 100, Deduct	*-26.11*	
		For >100, Deduct	*-39.69*	
		For 14 Gauge Doors, Add	*27.55*	
10 51 13 00-0019	EA	12" x 15" x 60" Two Tier Institutional Or Corridor Locker	327.86	35.31
		For >25 To 50, Deduct	*-12.86*	
		For >50 To 100, Deduct	*-26.78*	
		For >100, Deduct	*-40.71*	
		For 14 Gauge Doors, Add	*28.30*	
10 51 13 00-0020	EA	12" x 18" x 60" Two Tier Institutional Or Corridor Locker	334.70	35.31
		For >25 To 50, Deduct	*-13.20*	
		For >50 To 100, Deduct	*-27.47*	
		For >100, Deduct	*-41.73*	
		For 14 Gauge Doors, Add	*29.05*	
10 51 13 00-0021	EA	12" x 12" x 72" Two Tier Institutional Or Corridor Locker	335.74	36.41
		For >25 To 50, Deduct	*-13.15*	
		For >50 To 100, Deduct	*-27.38*	
		For >100, Deduct	*-41.62*	
		For 14 Gauge Doors, Add	*28.92*	
10 51 13 00-0022	EA	12" x 15" x 72" Two Tier Institutional Or Corridor Locker	350.56	36.41
		For >25 To 50, Deduct	*-13.89*	
		For >50 To 100, Deduct	*-28.87*	
		For >100, Deduct	*-43.85*	
		For 14 Gauge Doors, Add	*30.55*	
10 51 13 00-0023	EA	12" x 18" x 72" Two Tier Institutional Or Corridor Locker	359.50	36.41
		For >25 To 50, Deduct	*-14.33*	
		For >50 To 100, Deduct	*-29.76*	
		For >100, Deduct	*-45.19*	
		For 14 Gauge Doors, Add	*31.53*	
10 51 13 00-0024	EA	15" x 15" x 72" Two Tier Institutional Or Corridor Locker	372.32	36.41
		For >25 To 50, Deduct	*-14.98*	
		For >50 To 100, Deduct	*-31.04*	
		For >100, Deduct	*-47.11*	
		For 14 Gauge Doors, Add	*32.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0025	EA	15" x 18" x 72" Two Tier Institutional Or Corridor Locker	385.20	36.41
		For >25 To 50, Deduct	*-15.62*	
		For >50 To 100, Deduct	*-32.33*	
		For >100, Deduct	*-49.04*	
		For 14 Gauge Doors, Add	*34.36*	
10 51 13 00-0026	EA	18" x 18" x 72" Two Tier Institutional Or Corridor Locker	443.46	36.41
		For >25 To 50, Deduct	*-18.53*	
		For >50 To 100, Deduct	*-38.16*	
		For >100, Deduct	*-57.78*	
		For 14 Gauge Doors, Add	*40.77*	
10 51 13 00-0027	EA	18" x 21" x 72" Two Tier Institutional Or Corridor Locker	454.04	36.41
		For >25 To 50, Deduct	*-19.06*	
		For >50 To 100, Deduct	*-39.21*	
		For >100, Deduct	*-59.37*	
		For 14 Gauge Doors, Add	*41.93*	
10 51 13 00-0028		**Three Tier Institutional Or Corridor Locker** *(10 51 13 00-0001)*		
		Note: Includes one double hook per tier.		
10 51 13 00-0029	EA	12" x 12" x 72" Three Tier Institutional Or Corridor Locker	377.29	37.52
		For >25 To 50, Deduct	*-15.11*	
		For >50 To 100, Deduct	*-31.35*	
		For >100, Deduct	*-47.59*	
		For 14 Gauge Doors, Add	*45.34*	
10 51 13 00-0030	EA	12" x 15" x 72" Three Tier Institutional Or Corridor Locker	384.25	37.52
		For >25 To 50, Deduct	*-15.46*	
		For >50 To 100, Deduct	*-32.05*	
		For >100, Deduct	*-48.63*	
		For 14 Gauge Doors, Add	*46.38*	
10 51 13 00-0031	EA	12" x 18" x 72" Three Tier Institutional Or Corridor Locker	408.98	37.52
		For >25 To 50, Deduct	*-16.70*	
		For >50 To 100, Deduct	*-34.52*	
		For >100, Deduct	*-52.34*	
		For 14 Gauge Doors, Add	*50.09*	
10 51 13 00-0032	EA	15" x 15" x 72" Three Tier Institutional Or Corridor Locker	432.67	37.52
		For >25 To 50, Deduct	*-17.88*	
		For >50 To 100, Deduct	*-36.89*	
		For >100, Deduct	*-55.90*	
		For 14 Gauge Doors, Add	*53.65*	
10 51 13 00-0033	EA	15" x 18" x 72" Three Tier Institutional Or Corridor Locker	451.53	37.52
		For >25 To 50, Deduct	*-18.83*	
		For >50 To 100, Deduct	*-38.78*	
		For >100, Deduct	*-58.73*	
		For 14 Gauge Doors, Add	*56.48*	
10 51 13 00-0034		**Four Tier Institutional Or Corridor Locker** *(10 51 13 00-0001)*		
10 51 13 00-0035	EA	12" x 12" x 72" Four Tier Institutional Or Corridor Locker	370.20	38.61
		For >25 To 50, Deduct	*-14.65*	
		For >50 To 100, Deduct	*-30.45*	
		For >100, Deduct	*-46.26*	
10 51 13 00-0036	EA	12" x 15" x 72" Four Tier Institutional Or Corridor Locker	382.34	38.61
		For >25 To 50, Deduct	*-15.26*	
		For >50 To 100, Deduct	*-31.67*	
		For >100, Deduct	*-48.08*	
10 51 13 00-0037	EA	12" x 18" x 72" Four Tier Institutional Or Corridor Locker	401.88	38.61
		For >25 To 50, Deduct	*-16.23*	
		For >50 To 100, Deduct	*-33.62*	
		For >100, Deduct	*-51.01*	
10 51 13 00-0038	EA	15" x 15" x 72" Four Tier Institutional Or Corridor Locker	417.51	38.61
		For >25 To 50, Deduct	*-17.01*	
		For >50 To 100, Deduct	*-35.19*	
		For >100, Deduct	*-53.36*	
10 51 13 00-0039	EA	15" x 18" x 72" Four Tier Institutional Or Corridor Locker	440.02	38.61
		For >25 To 50, Deduct	*-18.14*	
		For >50 To 100, Deduct	*-37.44*	
		For >100, Deduct	*-56.73*	
10 51 13 00-0040		**Six Tier Institutional Or Corridor Locker** *(10 51 13 00-0001)*		
10 51 13 00-0041	EA	12" x 12" x 72" Six Tier Institutional Or Corridor Locker	402.95	39.72
		For >25 To 50, Deduct	*-16.18*	
		For >50 To 100, Deduct	*-33.54*	
		For >100, Deduct	*-50.91*	
10 51 13 00-0042	EA	12" x 15" x 72" Six Tier Institutional Or Corridor Locker	412.31	39.72
		For >25 To 50, Deduct	*-16.64*	
		For >50 To 100, Deduct	*-34.48*	
		For >100, Deduct	*-52.31*	
10 51 13 00-0043	EA	12" x 18" x 72" Six Tier Institutional Or Corridor Locker	429.99	39.72
		For >25 To 50, Deduct	*-17.53*	
		For >50 To 100, Deduct	*-36.25*	
		For >100, Deduct	*-54.97*	
10 51 13 00-0044		**Locker And Coat Rack Combination** *(10 51 13 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0045	EA	45" x 18" x 12", 4 Person Wall Mount Locker And Coat Rack Combination	749.19	26.48
10 51 13 00-0046	EA	72" x 18" x 78", 16 Person Locker And Coat Rack Combination	1,196.89	55.17
10 51 13 00-0047		**Athletic Lockers** *(10 51 13)* Note: Price per frame. Includes baked enamel paint, diamond perforated doors and sides, 16 gauge solid top, bottom, and shelves and 6" legs. Excludes slope top, base fillers, and locks.		
10 51 13 00-0048		**Single Tier Athletic Locker** *(10 51 13 00-0047)* Note: Includes one hat shelf, three single hooks and one double hook.		
10 51 13 00-0049	EA	12" x 15" x 60" Single Tier Athletic Locker	408.52	35.31
		For >25 To 50, Deduct	*-16.90*	
		For >50 To 100, Deduct	*-34.85*	
		For >100, Deduct	*-52.80*	
10 51 13 00-0050	EA	12" x 18" x 60" Single Tier Athletic Locker	422.78	35.31
		For >25 To 50, Deduct	*-17.61*	
		For >50 To 100, Deduct	*-36.28*	
		For >100, Deduct	*-54.94*	
10 51 13 00-0051	EA	15" x 15" x 60" Single Tier Athletic Locker	431.96	35.31
		For >25 To 50, Deduct	*-18.07*	
		For >50 To 100, Deduct	*-37.19*	
		For >100, Deduct	*-56.32*	
10 51 13 00-0052	EA	15" x 18" x 60" Single Tier Athletic Locker	447.19	35.31
		For >25 To 50, Deduct	*-18.83*	
		For >50 To 100, Deduct	*-38.72*	
		For >100, Deduct	*-58.61*	
10 51 13 00-0053	EA	18" x 18" x 60" Single Tier Athletic Locker	512.91	35.31
		For >25 To 50, Deduct	*-22.12*	
		For >50 To 100, Deduct	*-45.29*	
		For >100, Deduct	*-68.46*	
10 51 13 00-0054	EA	18" x 21" x 60" Single Tier Athletic Locker	565.16	35.31
		For >25 To 50, Deduct	*-24.73*	
		For >50 To 100, Deduct	*-50.51*	
		For >100, Deduct	*-76.30*	
10 51 13 00-0055	EA	18" x 24" x 60" Single Tier Athletic Locker	600.90	35.31
		For >25 To 50, Deduct	*-26.51*	
		For >50 To 100, Deduct	*-54.09*	
		For >100, Deduct	*-81.66*	
10 51 13 00-0056	EA	12" x 15" x 72" Single Tier Athletic Locker	424.35	35.31
		For >25 To 50, Deduct	*-17.69*	
		For >50 To 100, Deduct	*-36.43*	
		For >100, Deduct	*-55.18*	
10 51 13 00-0057	EA	12" x 18" x 72" Single Tier Athletic Locker	450.06	35.31
		For >25 To 50, Deduct	*-18.97*	
		For >50 To 100, Deduct	*-39.00*	
		For >100, Deduct	*-59.04*	
10 51 13 00-0058	EA	15" x 15" x 72" Single Tier Athletic Locker	459.09	35.31
		For >25 To 50, Deduct	*-19.42*	
		For >50 To 100, Deduct	*-39.91*	
		For >100, Deduct	*-60.39*	
10 51 13 00-0059	EA	15" x 18" x 72" Single Tier Athletic Locker	475.59	35.31
		For >25 To 50, Deduct	*-20.25*	
		For >50 To 100, Deduct	*-41.56*	
		For >100, Deduct	*-62.87*	
10 51 13 00-0060	EA	18" x 18" x 72" Single Tier Athletic Locker	516.28	35.31
		For >25 To 50, Deduct	*-22.28*	
		For >50 To 100, Deduct	*-45.63*	
		For >100, Deduct	*-68.97*	
10 51 13 00-0061	EA	18" x 21" x 72" Single Tier Athletic Locker	558.92	35.31
		For >25 To 50, Deduct	*-24.42*	
		For >50 To 100, Deduct	*-49.89*	
		For >100, Deduct	*-75.36*	
10 51 13 00-0062		**Two Tier Athletic Locker** *(10 51 13 00-0047)* Note: Includes three single hooks and one double hook per tier.		
10 51 13 00-0063	EA	12" x 12" x 60" Two Tier Athletic Locker	458.38	36.41
		For >25 To 50, Deduct	*-19.28*	
		For >50 To 100, Deduct	*-39.65*	
		For >100, Deduct	*-60.02*	
10 51 13 00-0064	EA	12" x 15" x 60" Two Tier Athletic Locker	473.57	36.41
		For >25 To 50, Deduct	*-20.04*	
		For >50 To 100, Deduct	*-41.17*	
		For >100, Deduct	*-62.30*	
10 51 13 00-0065	EA	12" x 18" x 60" Two Tier Athletic Locker	490.67	36.41
		For >25 To 50, Deduct	*-20.89*	
		For >50 To 100, Deduct	*-42.88*	
		For >100, Deduct	*-64.86*	
10 51 13 00-0066	EA	15" x 15" x 60" Two Tier Athletic Locker	492.33	36.41
		For >25 To 50, Deduct	*-20.98*	
		For >50 To 100, Deduct	*-43.04*	
		For >100, Deduct	*-65.11*	
10 51 13 00-0067	EA	15" x 18" x 60" Two Tier Athletic Locker	495.89	36.41
		For >25 To 50, Deduct	*-21.15*	
		For >50 To 100, Deduct	*-43.40*	
		For >100, Deduct	*-65.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0068	EA	18" x 18" x 60" Two Tier Athletic Locker	525.93	36.41
		For >25 To 50, Deduct	*-22.66*	
		For >50 To 100, Deduct	*-46.40*	
		For >100, Deduct	*-70.15*	
10 51 13 00-0069	EA	18" x 21" x 60" Two Tier Athletic Locker	547.94	36.41
		For >25 To 50, Deduct	*-23.76*	
		For >50 To 100, Deduct	*-48.60*	
		For >100, Deduct	*-73.45*	
10 51 13 00-0070	EA	18" x 24" x 60" Two Tier Athletic Locker	646.21	36.41
		For >25 To 50, Deduct	*-28.67*	
		For >50 To 100, Deduct	*-58.43*	
		For >100, Deduct	*-88.19*	
10 51 13 00-0071	EA	12" x 12" x 72" Two Tier Athletic Locker	474.82	36.41
		For >25 To 50, Deduct	*-20.10*	
		For >50 To 100, Deduct	*-41.29*	
		For >100, Deduct	*-62.48*	
10 51 13 00-0072	EA	12" x 15" x 72" Two Tier Athletic Locker	490.38	36.41
		For >25 To 50, Deduct	*-20.88*	
		For >50 To 100, Deduct	*-42.85*	
		For >100, Deduct	*-64.82*	
10 51 13 00-0073	EA	12" x 18" x 72" Two Tier Athletic Locker	511.59	36.41
		For >25 To 50, Deduct	*-21.94*	
		For >50 To 100, Deduct	*-44.97*	
		For >100, Deduct	*-68.00*	
10 51 13 00-0074	EA	15" x 15" x 72" Two Tier Athletic Locker	514.80	36.41
		For >25 To 50, Deduct	*-22.10*	
		For >50 To 100, Deduct	*-45.29*	
		For >100, Deduct	*-68.48*	
10 51 13 00-0075	EA	15" x 18" x 72" Two Tier Athletic Locker	532.23	36.41
		For >25 To 50, Deduct	*-22.97*	
		For >50 To 100, Deduct	*-47.03*	
		For >100, Deduct	*-71.10*	
10 51 13 00-0076	EA	18" x 18" x 72" Two Tier Athletic Locker	553.64	36.41
		For >25 To 50, Deduct	*-24.04*	
		For >50 To 100, Deduct	*-49.17*	
		For >100, Deduct	*-74.31*	
10 51 13 00-0077	EA	18" x 21" x 72" Two Tier Athletic Locker	601.70	36.41
		For >25 To 50, Deduct	*-26.44*	
		For >50 To 100, Deduct	*-53.98*	
		For >100, Deduct	*-81.52*	

10 51 13 00-0078 Three Tier Athletic Locker *(10 51 13 00-0047)*

Note: Includes one double hook per tier.

10 51 13 00-0079	EA	12" x 12" x 60" Three Tier Athletic Locker	497.17	37.52
		For >25 To 50, Deduct	*-21.11*	
		For >50 To 100, Deduct	*-43.34*	
		For >100, Deduct	*-65.57*	
10 51 13 00-0080	EA	12" x 15" x 60" Three Tier Athletic Locker	521.79	37.52
		For >25 To 50, Deduct	*-22.34*	
		For >50 To 100, Deduct	*-45.80*	
		For >100, Deduct	*-69.26*	
10 51 13 00-0081	EA	12" x 18" x 60" Three Tier Athletic Locker	543.55	37.52
		For >25 To 50, Deduct	*-23.43*	
		For >50 To 100, Deduct	*-47.98*	
		For >100, Deduct	*-72.53*	
10 51 13 00-0082	EA	15" x 15" x 60" Three Tier Athletic Locker	558.34	37.52
		For >25 To 50, Deduct	*-24.17*	
		For >50 To 100, Deduct	*-49.46*	
		For >100, Deduct	*-74.75*	
10 51 13 00-0083	EA	15" x 18" x 60" Three Tier Athletic Locker	582.95	37.52
		For >25 To 50, Deduct	*-25.40*	
		For >50 To 100, Deduct	*-51.92*	
		For >100, Deduct	*-78.44*	
10 51 13 00-0084	EA	12" x 12" x 72" Three Tier Athletic Locker	525.22	37.52
		For >25 To 50, Deduct	*-22.51*	
		For >50 To 100, Deduct	*-46.14*	
		For >100, Deduct	*-69.78*	
10 51 13 00-0085	EA	12" x 15" x 72" Three Tier Athletic Locker	547.45	37.52
		For >25 To 50, Deduct	*-23.62*	
		For >50 To 100, Deduct	*-48.37*	
		For >100, Deduct	*-73.11*	
10 51 13 00-0086	EA	12" x 18" x 72" Three Tier Athletic Locker	578.13	37.52
		For >25 To 50, Deduct	*-25.16*	
		For >50 To 100, Deduct	*-51.44*	
		For >100, Deduct	*-77.72*	
10 51 13 00-0087	EA	15" x 15" x 72" Three Tier Athletic Locker	593.83	37.52
		For >25 To 50, Deduct	*-25.94*	
		For >50 To 100, Deduct	*-53.01*	
		For >100, Deduct	*-80.07*	
10 51 13 00-0088	EA	15" x 18" x 72" Three Tier Athletic Locker	617.39	37.52
		For >25 To 50, Deduct	*-27.12*	
		For >50 To 100, Deduct	*-55.36*	
		For >100, Deduct	*-83.60*	

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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0089		**Four Tier Athletic Locker** *(10 51 13 00-0047)*		
10 51 13 00-0090	EA	12" x 12" x 60" Four Tier Athletic Locker	457.39	38.61
		For >25 To 50, Deduct	*-19.01*	
		For >50 To 100, Deduct	*-39.17*	
		For >100, Deduct	*-59.34*	
10 51 13 00-0091	EA	12" x 15" x 60" Four Tier Athletic Locker	487.54	38.61
		For >25 To 50, Deduct	*-20.52*	
		For >50 To 100, Deduct	*-42.19*	
		For >100, Deduct	*-63.86*	
10 51 13 00-0092	EA	12" x 18" x 60" Four Tier Athletic Locker	517.69	38.61
		For >25 To 50, Deduct	*-22.02*	
		For >50 To 100, Deduct	*-45.20*	
		For >100, Deduct	*-68.38*	
10 51 13 00-0093	EA	15" x 15" x 60" Four Tier Athletic Locker	530.01	38.61
		For >25 To 50, Deduct	*-22.64*	
		For >50 To 100, Deduct	*-46.44*	
		For >100, Deduct	*-70.23*	
10 51 13 00-0094	EA	15" x 18" x 60" Four Tier Athletic Locker	579.54	38.61
		For >25 To 50, Deduct	*-25.12*	
		For >50 To 100, Deduct	*-51.39*	
		For >100, Deduct	*-77.66*	
10 51 13 00-0095	EA	12" x 12" x 72" Four Tier Athletic Locker	488.07	38.61
		For >25 To 50, Deduct	*-20.54*	
		For >50 To 100, Deduct	*-42.24*	
		For >100, Deduct	*-63.94*	
10 51 13 00-0096	EA	12" x 15" x 72" Four Tier Athletic Locker	518.65	38.61
		For >25 To 50, Deduct	*-22.07*	
		For >50 To 100, Deduct	*-45.30*	
		For >100, Deduct	*-68.53*	
10 51 13 00-0097	EA	12" x 18" x 72" Four Tier Athletic Locker	549.23	38.61
		For >25 To 50, Deduct	*-23.60*	
		For >50 To 100, Deduct	*-48.36*	
		For >100, Deduct	*-73.12*	
10 51 13 00-0098	EA	15" x 15" x 72" Four Tier Athletic Locker	564.89	38.61
		For >25 To 50, Deduct	*-24.38*	
		For >50 To 100, Deduct	*-49.92*	
		For >100, Deduct	*-75.46*	
10 51 13 00-0099	EA	15" x 18" x 72" Four Tier Athletic Locker	576.64	38.61
		For >25 To 50, Deduct	*-24.97*	
		For >50 To 100, Deduct	*-51.10*	
		For >100, Deduct	*-77.23*	
10 51 13 00-0100		**Six Tier Athletic Locker** *(10 51 13 00-0047)*		
10 51 13 00-0101	EA	12" x 12" x 72" Six Tier Athletic Locker	541.70	39.72
		For >25 To 50, Deduct	*-23.11*	
		For >50 To 100, Deduct	*-47.42*	
		For >100, Deduct	*-71.72*	
10 51 13 00-0102	EA	12" x 15" x 72" Six Tier Athletic Locker	565.20	39.72
		For >25 To 50, Deduct	*-24.29*	
		For >50 To 100, Deduct	*-49.77*	
		For >100, Deduct	*-75.25*	
10 51 13 00-0103	EA	12" x 18" x 72" Six Tier Athletic Locker	588.65	39.72
		For >25 To 50, Deduct	*-25.46*	
		For >50 To 100, Deduct	*-52.11*	
		For >100, Deduct	*-78.76*	
10 51 13 00-0104	EA	12" x 21" x 72" Six Tier Athletic Locker	674.24	39.72
		For >25 To 50, Deduct	*-29.74*	
		For >50 To 100, Deduct	*-60.67*	
		For >100, Deduct	*-91.60*	
10 51 13 00-0105		**Metal Locker Accessories** *(10 51 13)*		
10 51 13 00-0106		**Locker Slope Tops** *(10 51 13 00-0105)*		
10 51 13 00-0107		**16 Gauge Continuous Sloping Hood** *(10 51 13 00-0106)*		
10 51 13 00-0108	LF	12" Deep, 16 Gauge Continuous Slope Top	33.88	4.41
10 51 13 00-0109	LF	15" Deep, 16 Gauge Continuous Slope Top	28.53	4.41
10 51 13 00-0110	LF	18" Deep, 16 Gauge Continuous Slope Top	39.36	4.41
10 51 13 00-0111	LF	21" Deep, 16 Gauge Continuous Slope Top	43.52	4.41
10 51 13 00-0112	LF	24" Deep, 16 Gauge Continuous Slope Top	45.47	4.41
10 51 13 00-0113		**16 Gauge Slope Top Corner Fillers** *(10 51 13 00-0106)*		
10 51 13 00-0114	EA	12" Deep, 16 Gauge Slope Top Corner Fillers	141.30	4.41
10 51 13 00-0115	EA	15" Deep, 16 Gauge Slope Top Corner Fillers	144.33	4.41
10 51 13 00-0116	EA	18" Deep, 16 Gauge Slope Top Corner Fillers	147.35	4.41
10 51 13 00-0117	EA	21" Deep, 16 Gauge Slope Top Corner Fillers	151.01	4.41
10 51 13 00-0118	EA	24" Deep, 16 Gauge Slope Top Corner Fillers	154.64	4.41
10 51 13 00-0119		**20 Gauge Individual Slope Top** *(10 51 13 00-0106)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0120	EA	12" Wide x 12" Deep 20 Gauge Individual Slope Top	29.06	4.41
10 51 13 00-0121	EA	12" Wide x 15" Deep 20 Gauge Individual Slope Top	28.86	4.41
10 51 13 00-0122	EA	12" Wide x 18" Deep 20 Gauge Individual Slope Top	32.15	4.41
10 51 13 00-0123	EA	15" Wide x 15" Deep 20 Gauge Individual Slope Top	32.15	4.41
10 51 13 00-0124	EA	15" Wide x 18" Deep 20 Gauge Individual Slope Top	32.94	4.41
10 51 13 00-0125	EA	15" Wide x 21" Deep 20 Gauge Individual Slope Top	36.05	4.41
10 51 13 00-0126	EA	18" Wide x 18" Deep 20 Gauge Individual Slope Top	36.05	4.41
10 51 13 00-0127	EA	18" Wide x 21" Deep 20 Gauge Individual Slope Top	40.15	4.41
10 51 13 00-0128	EA	18" Wide x 24" Deep 20 Gauge Individual Slope Top	45.02	4.41
10 51 13 00-0129		**Continuous Slope Top End Closures** *(10 51 13 00-0106)*		
10 51 13 00-0130	PR	12" Deep, Continuous Slope Top End Closures	31.00	4.41
10 51 13 00-0131	PR	15" Deep, Continuous Slope Top End Closures	26.30	4.41
10 51 13 00-0132	PR	18" Deep, Continuous Slope Top End Closures	34.88	4.41
10 51 13 00-0133	PR	21" Deep, Continuous Slope Top End Closures	36.84	4.41
10 51 13 00-0134	PR	24" Deep, Continuous Slope Top End Closures	38.17	4.41
10 51 13 00-0135		**Individual Slope Top End Closures** *(10 51 13 00-0106)*		
10 51 13 00-0136	EA	12" Deep, Individual Slope Top End Closures	19.91	4.41
10 51 13 00-0137	EA	15" Deep, Individual Slope Top End Closures	20.52	4.41
10 51 13 00-0138	EA	18" Deep, Individual Slope Top End Closures	21.87	4.41
10 51 13 00-0139	EA	21" Deep, Individual Slope Top End Closures	22.81	4.41
10 51 13 00-0140	EA	24" Deep, Individual Slope Top End Closures	32.41	4.41
10 51 13 00-0141		**Locker Base** *(10 51 13 00-0105)*		
10 51 13 00-0142		**Closed Front Base** *(10 51 13 00-0141)*		
10 51 13 00-0143	EA	12" Wide, 6" High Closed Front Base	20.95	4.41
10 51 13 00-0144	EA	15" Wide, 6" High Closed Front Base	21.97	4.41
10 51 13 00-0145	EA	18" Wide, 6" High Closed Front Base	24.09	4.41
10 51 13 00-0146	EA	24" Wide, 6" High Closed Front Base	25.10	4.41
10 51 13 00-0147		**Closed End Base** *(10 51 13 00-0141)*		
10 51 13 00-0148	EA	12" Deep, 6" High Closed End Base	23.77	4.41
10 51 13 00-0149	EA	15" Deep, 6" High Closed End Base	23.95	4.41
10 51 13 00-0150	EA	18" Deep, 6" High Closed End Base	25.32	4.41
10 51 13 00-0151	EA	21" Deep, 6" High Closed End Base	26.67	4.41
10 51 13 00-0152	EA	24" Deep, 6" High Closed End Base	28.51	4.41
10 51 13 00-0153		**Recessed Continuous Front "Z" Base** *(10 51 13 00-0141)*		
10 51 13 00-0154	LF	4" High Recessed Continuous Front "Z" Base	25.07	3.31
10 51 13 00-0155		**"Z" Base Ends Or Splice** *(10 51 13 00-0141)*		
10 51 13 00-0156	EA	12" Wide, 4" High Z-Base Ends Or Splice	24.87	4.41
10 51 13 00-0157	EA	15" Wide, 4" High Z-Base Ends Or Splice	28.86	4.41
10 51 13 00-0158	EA	18" Wide, 4" High Z-Base Ends Or Splice	32.94	4.41
10 51 13 00-0159	EA	21" Wide, 4" High Z-Base Ends Or Splice	37.23	4.41
10 51 13 00-0160	EA	24" Wide, 4" High Z-Base Ends Or Splice	41.50	4.41
10 51 13 00-0161		**Locker Front Fillers And End Panels** *(10 51 13 00-0105)*		
10 51 13 00-0162		**Locker Front Fillers** *(10 51 13 00-0161)*		
10 51 13 00-0163	EA	6" Wide x 48" High, 16 Gauge Front Filler	32.42	5.52
10 51 13 00-0164	EA	12" Wide x 48" High, 16 Gauge Front Filler	52.82	5.52
10 51 13 00-0165	EA	6" Wide x 60" High, 16 Gauge Front Filler	40.80	5.52
10 51 13 00-0166	EA	12" Wide x 60" High, 16 Gauge Front Filler	63.28	5.52
10 51 13 00-0167	EA	6" Wide x 66" High, 16 Gauge Front Filler	44.46	5.52
10 51 13 00-0168	EA	12" Wide x 66" High, 16 Gauge Front Filler	50.02	5.52
10 51 13 00-0169	EA	6" Wide x 72" High, 16 Gauge Front Filler	48.71	5.52
10 51 13 00-0170	EA	12" Wide x 72" High, 16 Gauge Front Filler	69.35	5.52
10 51 13 00-0171	EA	6" Wide x 78" High, 16 Gauge Front Filler	49.89	5.52
10 51 13 00-0172	EA	12" Wide x 78" High, 16 Gauge Front Filler	58.23	5.52
10 51 13 00-0173		**Locker End Panels** *(10 51 13 00-0161)*		
10 51 13 00-0174	EA	12" Deep x 48" High, 16 Gauge End Panel	53.83	4.41
10 51 13 00-0175	EA	15" Deep x 48" High, 16 Gauge End Panel	65.84	4.41
10 51 13 00-0176	EA	18" Deep x 48" High, 16 Gauge End Panel	77.39	4.41
10 51 13 00-0177	EA	12" Deep x 60" High, 16 Gauge End Panel	63.67	4.41
10 51 13 00-0178	EA	15" Deep x 60" High, 16 Gauge End Panel	72.28	4.41
10 51 13 00-0179	EA	18" Deep x 60" High, 16 Gauge End Panel	85.84	4.41
10 51 13 00-0180	EA	12" Deep x 72" High, 16 Gauge End Panel	75.12	4.41
10 51 13 00-0181	EA	15" Deep x 72" High, 16 Gauge End Panel	85.60	4.41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0182	EA	18" Deep x 72" High, 16 Gauge End Panel	99.54	4.41
10 51 13 00-0183	EA	21" Deep x 72" High, 16 Gauge End Panel	114.68	4.41
10 51 13 00-0184		**Locker Recessed Trim** *(10 51 13 00-0105)*		
10 51 13 00-0185	LF	3" Height, Top Trim For Recessed Lockers	10.93	2.20
10 51 13 00-0186	EA	3" Height, Inside And Outside Top Corner Trim For Recessed Lockers	30.37	4.41
10 51 13 00-0187	EA	60" Height, 3" Wide Side Trim For Recessed Lockers	46.53	4.41
10 51 13 00-0188	EA	66" Height, 3" Wide Side Trim For Recessed Lockers	48.23	4.41
10 51 13 00-0189	EA	72" Height, 3" Wide Side Trim For Recessed Lockers	49.94	4.41
10 51 13 00-0190	EA	78" Height, 3" Wide Side Trim For Recessed Lockers	51.43	4.41
10 51 13 00-0191		**Locker Interior Accessories** *(10 51 13 00-0105)*		
10 51 13 00-0192		**Locker Coat Rods** *(10 51 13 00-0191)*		
10 51 13 00-0193	EA	12" Wide Coat Rod	16.17	4.41
10 51 13 00-0194	EA	15" Wide Coat Rod	17.75	4.41
10 51 13 00-0195	EA	18" Wide Coat Rod	19.16	4.41
10 51 13 00-0196	EA	24" Wide Coat Rod	20.40	4.41
10 51 13 00-0197		**Locker Hat Shelf** *(10 51 13 00-0191)*		
10 51 13 00-0198	EA	12" Wide Hat Shelf	19.50	4.41
10 51 13 00-0199	EA	15" Wide Hat Shelf	22.93	4.41
10 51 13 00-0200	EA	18" Wide Hat Shelf	24.38	4.41
10 51 13 00-0201	EA	24" Wide Hat Shelf	30.10	4.41
10 51 13 00-0202		**Locker ADA Compliant Shelf** *(10 51 13 00-0191)*		
10 51 13 00-0203	EA	ADA Compliant Shelf For Single Tier Lockers Note: Includes an ADA label for locker face.	38.80	5.52
10 51 13 00-0204		**Other Interior Locker Accessories** *(10 51 13 00-0191)*		
10 51 13 00-0205	EA	3" x 10" Bent Plate Shoe Rack	51.56	4.41
10 51 13 00-0206	EA	8" x 10" Mirror	40.88	4.41
10 51 13 00-0207	EA	Additional Hook	11.50	4.41
10 51 13 00-0208		**Locker Locks** *(10 51 13 00-0105)*		
10 51 13 00-0209	EA	Built In Combination Lock	44.87	4.41
10 51 13 00-0210		**Steel Basket Racks Mounted On Concrete Base** *(10 51 13)* Note: Includes electroplated baskets with 3/4" x 1" wire mesh sides and bottom with perforated sheet steel front and backs.		
10 51 13 00-0211	EA	9" x 13" x 8" Baskets, 28 Wire Mesh Baskets And Rack	2,109.84	82.75
10 51 13 00-0212	EA	12" x 13" x 8" Baskets, 21 Wire Mesh Baskets And Rack	1,802.66	82.75
10 51 13 00-0213		**All-Welded Steel Lockers** *(10 51 13)*		
10 51 13 00-0214		**All-Welded Steel Lockers** *(10 51 13 00-0213)* Note: Price per frame. Includes diamond perforated, standard louvered or solid doors and sides. Includes all-welded construction with 16 gauge solid top, bottom, and shelves, 14 gauge doors and 4" legs. Includes electrostatically applied enamel powder coat paint finish. Excludes slope top, base fillers, and locks.		
10 51 13 00-0215		**Single Tier, All-Welded Steel Lockers** *(10 51 13 00-0214)* Note: Includes one hat shelf, two single hooks and one double hook.		
10 51 13 00-0216	EA	12" x 12" x 48" Single Tier, All-Welded Steel Locker	170.57	19.31
		For >25 To 50, Deduct	*-7.15*	
		For >50 To 100, Deduct	*-14.71*	
		For >100, Deduct	*-22.28*	
10 51 13 00-0217	EA	12" x 15" x 48" Single Tier, All-Welded Steel Locker	179.01	19.31
		For >25 To 50, Deduct	*-7.57*	
		For >50 To 100, Deduct	*-15.56*	
		For >100, Deduct	*-23.54*	
10 51 13 00-0218	EA	12" x 18" x 48" Single Tier, All-Welded Steel Locker	187.13	19.31
		For >25 To 50, Deduct	*-7.98*	
		For >50 To 100, Deduct	*-16.37*	
		For >100, Deduct	*-24.76*	
10 51 13 00-0219	EA	12" x 12" x 60" Single Tier, All-Welded Steel Locker	177.54	19.31
		For >25 To 50, Deduct	*-7.50*	
		For >50 To 100, Deduct	*-15.41*	
		For >100, Deduct	*-23.32*	
10 51 13 00-0220	EA	12" x 15" x 60" Single Tier, All-Welded Steel Locker	185.66	19.31
		For >25 To 50, Deduct	*-7.90*	
		For >50 To 100, Deduct	*-16.22*	
		For >100, Deduct	*-24.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0221	EA	12" x 18" x 60" Single Tier, All-Welded Steel Locker	193.79	19.31
		For >25 To 50, Deduct	*-8.31*	
		For >50 To 100, Deduct	*-17.03*	
		For >100, Deduct	*-25.76*	
10 51 13 00-0222	EA	12" x 12" x 72" Single Tier, All-Welded Steel Locker	187.81	21.24
		For >25 To 50, Deduct	*-7.87*	
		For >50 To 100, Deduct	*-16.20*	
		For >100, Deduct	*-24.53*	
10 51 13 00-0223	EA	12" x 15" x 72" Single Tier, All-Welded Steel Locker	195.33	21.24
		For >25 To 50, Deduct	*-8.25*	
		For >50 To 100, Deduct	*-16.95*	
		For >100, Deduct	*-25.66*	
10 51 13 00-0224	EA	12" x 18" x 72" Single Tier, All-Welded Steel Locker	203.46	21.24
		For >25 To 50, Deduct	*-8.66*	
		For >50 To 100, Deduct	*-17.77*	
		For >100, Deduct	*-26.88*	
10 51 13 00-0225	EA	15" x 15" x 72" Single Tier, All-Welded Steel Locker	211.06	21.24
		For >25 To 50, Deduct	*-9.04*	
		For >50 To 100, Deduct	*-18.53*	
		For >100, Deduct	*-28.02*	
10 51 13 00-0226	EA	15" x 18" x 72" Single Tier, All-Welded Steel Locker	217.32	21.24
		For >25 To 50, Deduct	*-9.35*	
		For >50 To 100, Deduct	*-19.15*	
		For >100, Deduct	*-28.96*	
10 51 13 00-0227	EA	18" x 18" x 72" Single Tier, All-Welded Steel Locker	225.95	21.24
		For >25 To 50, Deduct	*-9.78*	
		For >50 To 100, Deduct	*-20.02*	
		For >100, Deduct	*-30.25*	
10 51 13 00-0228	EA	18" x 21" x 72" Single Tier, All-Welded Steel Locker	235.67	21.24
		For >25 To 50, Deduct	*-10.27*	
		For >50 To 100, Deduct	*-20.99*	
		For >100, Deduct	*-31.71*	
10 51 13 00-0229	EA	24" x 24" x 72" Single Tier, All-Welded Steel Locker	382.00	21.24
		For >25 To 50, Deduct	*-17.58*	
		For >50 To 100, Deduct	*-35.62*	
		For >100, Deduct	*-53.66*	

10 51 13 00-0230 Two Tier, All-Welded Steel Lockers *(10 51 13 00-0214)*

Note: Includes two single hooks and one double hook per tier.

10 51 13 00-0231	EA	12" x 12" x 60" Two Tier, All-Welded Steel Locker	203.88	19.31
		For >25 To 50, Deduct	*-8.82*	
		For >50 To 100, Deduct	*-18.04*	
		For >100, Deduct	*-27.27*	
10 51 13 00-0232	EA	12" x 15" x 60" Two Tier, All-Welded Steel Locker	207.61	19.31
		For >25 To 50, Deduct	*-9.00*	
		For >50 To 100, Deduct	*-18.42*	
		For >100, Deduct	*-27.83*	
10 51 13 00-0233	EA	12" x 18" x 60" Two Tier, All-Welded Steel Locker	217.62	19.31
		For >25 To 50, Deduct	*-9.50*	
		For >50 To 100, Deduct	*-19.42*	
		For >100, Deduct	*-29.33*	
10 51 13 00-0234	EA	12" x 12" x 72" Two Tier, All-Welded Steel Locker	212.86	21.24
		For >25 To 50, Deduct	*-9.13*	
		For >50 To 100, Deduct	*-18.71*	
		For >100, Deduct	*-28.29*	
10 51 13 00-0235	EA	12" x 15" x 72" Two Tier, All-Welded Steel Locker	226.66	21.24
		For >25 To 50, Deduct	*-9.82*	
		For >50 To 100, Deduct	*-20.09*	
		For >100, Deduct	*-30.36*	
10 51 13 00-0236	EA	12" x 18" x 72" Two Tier, All-Welded Steel Locker	234.18	21.24
		For >25 To 50, Deduct	*-10.19*	
		For >50 To 100, Deduct	*-20.84*	
		For >100, Deduct	*-31.49*	
10 51 13 00-0237	EA	15" x 15" x 72" Two Tier, All-Welded Steel Locker	244.90	21.24
		For >25 To 50, Deduct	*-10.73*	
		For >50 To 100, Deduct	*-21.91*	
		For >100, Deduct	*-33.09*	
10 51 13 00-0238	EA	15" x 18" x 72" Two Tier, All-Welded Steel Locker	249.94	21.24
		For >25 To 50, Deduct	*-10.98*	
		For >50 To 100, Deduct	*-22.42*	
		For >100, Deduct	*-33.85*	
10 51 13 00-0239	EA	18" x 18" x 72" Two Tier, All-Welded Steel Locker	264.48	21.24
		For >25 To 50, Deduct	*-11.71*	
		For >50 To 100, Deduct	*-23.87*	
		For >100, Deduct	*-36.03*	
10 51 13 00-0240	EA	18" x 21" x 72" Two Tier, All-Welded Steel Locker	275.75	21.24
		For >25 To 50, Deduct	*-12.27*	
		For >50 To 100, Deduct	*-25.00*	
		For >100, Deduct	*-37.72*	

10 51 13 00-0241 Three Tier, All-Welded Steel Lockers *(10 51 13 00-0214)*

Note: Includes two single hooks and one double hook per tier.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0242	EA	12" x 12" x 72" Three Tier, All-Welded Steel Locker	251.72	21.24
		For >25 To 50, Deduct	*-11.07*	
		For >50 To 100, Deduct	*-22.59*	
		For >100, Deduct	*-34.12*	
10 51 13 00-0243	EA	12" x 15" x 72" Three Tier, All-Welded Steel Locker	257.38	21.24
		For >25 To 50, Deduct	*-11.35*	
		For >50 To 100, Deduct	*-23.16*	
		For >100, Deduct	*-34.97*	
10 51 13 00-0244	EA	12" x 18" x 72" Three Tier, All-Welded Steel Locker	262.99	21.24
		For >25 To 50, Deduct	*-11.63*	
		For >50 To 100, Deduct	*-23.72*	
		For >100, Deduct	*-35.81*	
10 51 13 00-0245	EA	15" x 15" x 72" Three Tier, All-Welded Steel Locker	276.28	21.24
		For >25 To 50, Deduct	*-12.30*	
		For >50 To 100, Deduct	*-25.05*	
		For >100, Deduct	*-37.80*	
10 51 13 00-0246	EA	15" x 18" x 72" Three Tier, All-Welded Steel Locker	278.74	21.24
		For >25 To 50, Deduct	*-12.42*	
		For >50 To 100, Deduct	*-25.30*	
		For >100, Deduct	*-38.17*	

10 51 13 00-0247 Four Tier, All-Welded Steel Lockers *(10 51 13 00-0214)*

10 51 13 00-0248	EA	12" x 12" x 72" Four Tier, All-Welded Steel Locker	238.32	21.24
		For >25 To 50, Deduct	*-10.40*	
		For >50 To 100, Deduct	*-21.25*	
		For >100, Deduct	*-32.11*	
10 51 13 00-0249	EA	12" x 15" x 72" Four Tier, All-Welded Steel Locker	243.65	21.24
		For >25 To 50, Deduct	*-10.67*	
		For >50 To 100, Deduct	*-21.79*	
		For >100, Deduct	*-32.91*	
10 51 13 00-0250	EA	12" x 18" x 72" Four Tier, All-Welded Steel Locker	248.96	21.24
		For >25 To 50, Deduct	*-10.93*	
		For >50 To 100, Deduct	*-22.32*	
		For >100, Deduct	*-33.70*	
10 51 13 00-0251	EA	15" x 15" x 72" Four Tier, All-Welded Steel Locker	261.46	21.24
		For >25 To 50, Deduct	*-11.56*	
		For >50 To 100, Deduct	*-23.57*	
		For >100, Deduct	*-35.58*	
10 51 13 00-0252	EA	15" x 18" x 72" Four Tier, All-Welded Steel Locker	263.74	21.24
		For >25 To 50, Deduct	*-11.67*	
		For >50 To 100, Deduct	*-23.80*	
		For >100, Deduct	*-35.92*	

10 51 13 00-0253 Six Tier, All-Welded Steel Lockers *(10 51 13 00-0214)*

10 51 13 00-0254	EA	12" x 12" x 72" Six Tier, All-Welded Steel Locker	246.62	21.24
		For >25 To 50, Deduct	*-10.81*	
		For >50 To 100, Deduct	*-22.08*	
		For >100, Deduct	*-33.35*	
10 51 13 00-0255	EA	12" x 15" x 72" Six Tier, All-Welded Steel Locker	254.41	21.24
		For >25 To 50, Deduct	*-11.20*	
		For >50 To 100, Deduct	*-22.86*	
		For >100, Deduct	*-34.52*	
10 51 13 00-0256	EA	12" x 18" x 72" Six Tier, All-Welded Steel Locker	260.14	21.24
		For >25 To 50, Deduct	*-11.49*	
		For >50 To 100, Deduct	*-23.44*	
		For >100, Deduct	*-35.38*	

10 51 13 00-0257 All Welded Locker Accessories *(10 51 13 00-0213)*

10 51 13 00-0258	EA	ADA Requirements For All Welded Lockers	131.84	
10 51 13 00-0259	EA	Solid Boxed End Panel For 12" Deep All Welded Lockers	212.25	4.41
10 51 13 00-0260	EA	Solid Boxed End Panel For 15" Deep All Welded Lockers	246.15	4.41
10 51 13 00-0261	EA	Recessed Trim For All Welded Lockers	149.46	4.41
10 51 13 00-0262	EA	Built In Combination Lock For All Welded Lockers	44.87	4.41
10 51 13 00-0263	EA	Pad Lock For All Welded Lockers	40.22	4.41

10 51 26 Plastic Lockers *(10 51)*

10 51 26 00-0001 Solid Plastic Lockers *(10 51 26)*

Note: Price per frame. High-density polyethylene with homogeneous color throughout. Includes 1/2" door, 3/8" sides, tops, bottoms, rears and shelves. Excludes slope top, base, and locks.

10 51 26 00-0002 Single Tier Solid Plastic Lockers *(10 51 26 00-0001)*

Note: Includes one double hook per tier.

10 51 26 00-0003	EA	12" x 12" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	695.01	34.20
		For >50 To 100, Deduct	*-62.66*	
		For >100, Deduct	*-96.04*	
10 51 26 00-0004	EA	12" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	707.59	34.20
		For >50 To 100, Deduct	*-63.92*	
		For >100, Deduct	*-97.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0005	EA	12" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	720.16	34.20
		For >50 To 100, Deduct	*-65.18*	
		For >100, Deduct	*-99.81*	
10 51 26 00-0006	EA	15" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	739.01	34.20
		For >50 To 100, Deduct	*-67.06*	
		For >100, Deduct	*-102.64*	
10 51 26 00-0007	EA	15" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	719.07	34.20
		For >50 To 100, Deduct	*-65.07*	
		For >100, Deduct	*-99.65*	
10 51 26 00-0008	EA	18" x 12" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	724.36	34.20
		For >50 To 100, Deduct	*-65.60*	
		For >100, Deduct	*-100.44*	
10 51 26 00-0009	EA	18" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	715.06	34.20
		For >50 To 100, Deduct	*-64.67*	
		For >100, Deduct	*-99.05*	
10 51 26 00-0010	EA	18" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	766.97	34.20
		For >50 To 100, Deduct	*-69.86*	
		For >100, Deduct	*-106.84*	
10 51 26 00-0011	EA	12" x 12" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	755.00	34.20
		For >50 To 100, Deduct	*-68.66*	
		For >100, Deduct	*-105.04*	
10 51 26 00-0012	EA	12" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	768.96	34.20
		For >50 To 100, Deduct	*-70.06*	
		For >100, Deduct	*-107.13*	
10 51 26 00-0013	EA	12" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	782.93	34.20
		For >50 To 100, Deduct	*-71.45*	
		For >100, Deduct	*-109.23*	
10 51 26 00-0014	EA	15" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	814.87	34.20
		For >50 To 100, Deduct	*-74.65*	
		For >100, Deduct	*-114.02*	
10 51 26 00-0015	EA	15" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	858.79	34.20
		For >50 To 100, Deduct	*-79.04*	
		For >100, Deduct	*-120.61*	
10 51 26 00-0016	EA	18" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	818.85	34.20
		For >50 To 100, Deduct	*-75.04*	
		For >100, Deduct	*-114.62*	
10 51 26 00-0017	EA	18" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	890.70	34.20
		For >50 To 100, Deduct	*-82.23*	
		For >100, Deduct	*-125.40*	
10 51 26 00-0018	EA	12" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	760.56	34.20
		For >50 To 100, Deduct	*-69.22*	
		For >100, Deduct	*-105.87*	
10 51 26 00-0019	EA	12" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	801.50	34.20
		For >50 To 100, Deduct	*-73.31*	
		For >100, Deduct	*-112.02*	
10 51 26 00-0020	EA	12" x 18" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	842.47	34.20
		For >50 To 100, Deduct	*-77.41*	
		For >100, Deduct	*-118.16*	
10 51 26 00-0021	EA	15" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	812.47	34.20
		For >50 To 100, Deduct	*-74.41*	
		For >100, Deduct	*-113.66*	
10 51 26 00-0022	EA	15" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	855.87	34.20
		For >50 To 100, Deduct	*-78.75*	
		For >100, Deduct	*-120.17*	
10 51 26 00-0023	EA	15" x 18" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	899.29	34.20
		For >50 To 100, Deduct	*-83.09*	
		For >100, Deduct	*-126.68*	
10 51 26 00-0024	EA	18" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	864.38	34.20
		For >50 To 100, Deduct	*-79.60*	
		For >100, Deduct	*-121.45*	
10 51 26 00-0025	EA	18" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	910.26	34.20
		For >50 To 100, Deduct	*-84.19*	
		For >100, Deduct	*-128.33*	
10 51 26 00-0026	EA	12" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	871.51	35.31
		For >50 To 100, Deduct	*-80.09*	
		For >100, Deduct	*-122.25*	
10 51 26 00-0027	EA	12" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	917.42	35.31
		For >50 To 100, Deduct	*-84.68*	
		For >100, Deduct	*-129.14*	
10 51 26 00-0028	EA	12" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	963.27	35.31
		For >50 To 100, Deduct	*-89.27*	
		For >100, Deduct	*-136.02*	
10 51 26 00-0029	EA	15" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	931.09	35.31
		For >50 To 100, Deduct	*-86.05*	
		For >100, Deduct	*-131.19*	
10 51 26 00-0030	EA	15" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	979.50	35.31
		For >50 To 100, Deduct	*-90.89*	
		For >100, Deduct	*-138.45*	
10 51 26 00-0031	EA	15" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	1,027.87	35.31
		For >50 To 100, Deduct	*-95.73*	
		For >100, Deduct	*-145.71*	
10 51 26 00-0032	EA	18" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	978.58	35.31
		For >50 To 100, Deduct	*-90.80*	
		For >100, Deduct	*-138.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0033	EA	18" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	1,041.53	35.31
		For >50 To 100, Deduct	*-97.09*	
		For >100, Deduct	*-147.76*	
10 51 26 00-0034	EA	18" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	1,092.38	35.31
		For >50 To 100, Deduct	*-102.18*	
		For >100, Deduct	*-155.38*	

10 51 26 00-0035 Double Tier Solid Plastic Lockers *(10 51 26 00-0001)*

Note: Includes one double hook per tier.

10 51 26 00-0036	EA	12" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	781.15	35.31
		For >50 To 100, Deduct	*-71.05*	
		For >100, Deduct	*-108.70*	
10 51 26 00-0037	EA	12" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	793.12	35.31
		For >50 To 100, Deduct	*-72.25*	
		For >100, Deduct	*-110.49*	
10 51 26 00-0038	EA	12" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	811.07	35.31
		For >50 To 100, Deduct	*-74.05*	
		For >100, Deduct	*-113.19*	
10 51 26 00-0039	EA	15" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	805.10	35.31
		For >50 To 100, Deduct	*-73.45*	
		For >100, Deduct	*-112.29*	
10 51 26 00-0040	EA	15" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	837.04	35.31
		For >50 To 100, Deduct	*-76.64*	
		For >100, Deduct	*-117.08*	
10 51 26 00-0041	EA	15" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	912.87	35.31
		For >50 To 100, Deduct	*-84.23*	
		For >100, Deduct	*-128.46*	
10 51 26 00-0042	EA	18" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	813.09	35.31
		For >50 To 100, Deduct	*-74.25*	
		For >100, Deduct	*-113.49*	
10 51 26 00-0043	EA	18" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	851.71	35.31
		For >50 To 100, Deduct	*-78.11*	
		For >100, Deduct	*-119.28*	
10 51 26 00-0044	EA	18" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	920.86	35.31
		For >50 To 100, Deduct	*-85.03*	
		For >100, Deduct	*-129.66*	
10 51 26 00-0045	EA	12" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	808.61	35.31
		For >50 To 100, Deduct	*-73.80*	
		For >100, Deduct	*-112.82*	
10 51 26 00-0046	EA	12" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	871.13	35.31
		For >50 To 100, Deduct	*-80.05*	
		For >100, Deduct	*-122.20*	
10 51 26 00-0047	EA	12" x 18" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	889.00	35.31
		For >50 To 100, Deduct	*-81.84*	
		For >100, Deduct	*-124.88*	
10 51 26 00-0048	EA	15" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	881.58	35.31
		For >50 To 100, Deduct	*-81.10*	
		For >100, Deduct	*-123.76*	
10 51 26 00-0049	EA	15" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	923.01	35.31
		For >50 To 100, Deduct	*-85.24*	
		For >100, Deduct	*-129.98*	
10 51 26 00-0050	EA	18" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	931.11	35.31
		For >50 To 100, Deduct	*-86.05*	
		For >100, Deduct	*-131.19*	
10 51 26 00-0051	EA	18" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	974.92	35.31
		For >50 To 100, Deduct	*-90.43*	
		For >100, Deduct	*-137.76*	
10 51 26 00-0052	EA	18" x 18" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	1,018.73	35.31
		For >50 To 100, Deduct	*-94.81*	
		For >100, Deduct	*-144.34*	
10 51 26 00-0053	EA	12" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	938.04	36.41
		For >50 To 100, Deduct	*-86.52*	
		For >100, Deduct	*-131.97*	
10 51 26 00-0054	EA	12" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	981.85	36.41
		For >50 To 100, Deduct	*-90.90*	
		For >100, Deduct	*-138.54*	
10 51 26 00-0055	EA	12" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	1,004.68	36.41
		For >50 To 100, Deduct	*-93.19*	
		For >100, Deduct	*-141.96*	
10 51 26 00-0056	EA	15" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	994.92	36.41
		For >50 To 100, Deduct	*-92.21*	
		For >100, Deduct	*-140.50*	
10 51 26 00-0057	EA	15" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	1,041.12	36.41
		For >50 To 100, Deduct	*-96.83*	
		For >100, Deduct	*-147.43*	
10 51 26 00-0058	EA	15" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	1,087.30	36.41
		For >50 To 100, Deduct	*-101.45*	
		For >100, Deduct	*-154.36*	
10 51 26 00-0059	EA	18" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	1,003.18	36.41
		For >50 To 100, Deduct	*-93.04*	
		For >100, Deduct	*-141.74*	
10 51 26 00-0060	EA	18" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	1,100.34	36.41
		For >50 To 100, Deduct	*-102.75*	
		For >100, Deduct	*-156.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0061	EA	18" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	1,148.87	36.41
		For >50 To 100, Deduct	*-107.61*	
		For >100, Deduct	*-163.59*	
10 51 26 00-0062		**Triple Tier Solid Plastic Lockers** *(10 51 26 00-0001)*		
		Note: Includes one double hook per tier.		
10 51 26 00-0063	EA	12" x 12" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	768.38	36.41
		For >50 To 100, Deduct	*-69.56*	
		For >100, Deduct	*-106.52*	
10 51 26 00-0064	EA	15" x 15" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	801.25	36.41
		For >50 To 100, Deduct	*-72.84*	
		For >100, Deduct	*-111.45*	
10 51 26 00-0065	EA	15" x 18" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	831.39	36.41
		For >50 To 100, Deduct	*-75.86*	
		For >100, Deduct	*-115.97*	
10 51 26 00-0066	EA	12" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	837.23	36.41
		For >50 To 100, Deduct	*-76.44*	
		For >100, Deduct	*-116.85*	
10 51 26 00-0067	EA	12" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	907.47	36.41
		For >50 To 100, Deduct	*-83.47*	
		For >100, Deduct	*-127.38*	
10 51 26 00-0068	EA	12" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	907.79	36.41
		For >50 To 100, Deduct	*-83.50*	
		For >100, Deduct	*-127.43*	
10 51 26 00-0069	EA	15" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	946.12	36.41
		For >50 To 100, Deduct	*-87.33*	
		For >100, Deduct	*-133.18*	
10 51 26 00-0070	EA	15" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	984.60	36.41
		For >50 To 100, Deduct	*-91.18*	
		For >100, Deduct	*-138.95*	
10 51 26 00-0071	EA	15" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	1,023.07	36.41
		For >50 To 100, Deduct	*-95.03*	
		For >100, Deduct	*-144.72*	
10 51 26 00-0072	EA	18" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	992.13	36.41
		For >50 To 100, Deduct	*-91.93*	
		For >100, Deduct	*-140.08*	
10 51 26 00-0073	EA	18" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	1,032.80	36.41
		For >50 To 100, Deduct	*-96.00*	
		For >100, Deduct	*-146.18*	
10 51 26 00-0074	EA	18" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	1,073.47	36.41
		For >50 To 100, Deduct	*-100.07*	
		For >100, Deduct	*-152.28*	
10 51 26 00-0075	EA	12" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	998.71	37.52
		For >50 To 100, Deduct	*-92.37*	
		For >100, Deduct	*-140.80*	
10 51 26 00-0076	EA	12" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	1,039.40	37.52
		For >50 To 100, Deduct	*-96.44*	
		For >100, Deduct	*-146.91*	
10 51 26 00-0077	EA	12" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	1,067.96	37.52
		For >50 To 100, Deduct	*-99.29*	
		For >100, Deduct	*-151.19*	
10 51 26 00-0078	EA	15" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	1,051.52	37.52
		For >50 To 100, Deduct	*-97.65*	
		For >100, Deduct	*-148.72*	
10 51 26 00-0079	EA	15" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	1,064.42	37.52
		For >50 To 100, Deduct	*-98.94*	
		For >100, Deduct	*-150.66*	
10 51 26 00-0080	EA	15" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	1,110.90	37.52
		For >50 To 100, Deduct	*-103.59*	
		For >100, Deduct	*-157.63*	
10 51 26 00-0081	EA	18" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	1,033.05	37.52
		For >50 To 100, Deduct	*-95.80*	
		For >100, Deduct	*-145.95*	
10 51 26 00-0082	EA	18" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	1,127.56	37.52
		For >50 To 100, Deduct	*-105.25*	
		For >100, Deduct	*-160.13*	
10 51 26 00-0083	EA	18" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	1,194.47	37.52
		For >50 To 100, Deduct	*-111.94*	
		For >100, Deduct	*-170.17*	
10 51 26 00-0084		**Four Tier Solid Plastic Lockers** *(10 51 26 00-0001)*		
10 51 26 00-0085	EA	12" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	895.33	37.52
		For >50 To 100, Deduct	*-82.03*	
		For >100, Deduct	*-125.30*	
10 51 26 00-0086	EA	12" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	922.01	37.52
		For >50 To 100, Deduct	*-84.70*	
		For >100, Deduct	*-129.30*	
10 51 26 00-0087	EA	12" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	971.19	37.52
		For >50 To 100, Deduct	*-89.62*	
		For >100, Deduct	*-136.67*	
10 51 26 00-0088	EA	15" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	965.18	37.52
		For >50 To 100, Deduct	*-89.02*	
		For >100, Deduct	*-135.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0089	EA	15" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,028.90	37.52
		For >50 To 100, Deduct	*-95.39*	
		For >100, Deduct	*-145.33*	
10 51 26 00-0090	EA	15" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,049.01	37.52
		For >50 To 100, Deduct	*-97.40*	
		For >100, Deduct	*-148.35*	
10 51 26 00-0091	EA	18" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,039.02	37.52
		For >50 To 100, Deduct	*-96.40*	
		For >100, Deduct	*-146.85*	
10 51 26 00-0092	EA	18" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,072.96	37.52
		For >50 To 100, Deduct	*-99.79*	
		For >100, Deduct	*-151.94*	
10 51 26 00-0093	EA	18" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,170.77	37.52
		For >50 To 100, Deduct	*-109.57*	
		For >100, Deduct	*-166.61*	
10 51 26 00-0094	EA	12" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,033.16	38.61
		For >50 To 100, Deduct	*-95.59*	
		For >100, Deduct	*-145.71*	
10 51 26 00-0095	EA	12" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,080.46	38.61
		For >50 To 100, Deduct	*-100.32*	
		For >100, Deduct	*-152.80*	
10 51 26 00-0096	EA	12" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,086.62	38.61
		For >50 To 100, Deduct	*-100.94*	
		For >100, Deduct	*-153.72*	
10 51 26 00-0097	EA	15" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,146.22	38.61
		For >50 To 100, Deduct	*-106.90*	
		For >100, Deduct	*-162.66*	
10 51 26 00-0098	EA	15" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,091.07	38.61
		For >50 To 100, Deduct	*-101.38*	
		For >100, Deduct	*-154.39*	
10 51 26 00-0099	EA	15" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,141.04	38.61
		For >50 To 100, Deduct	*-106.38*	
		For >100, Deduct	*-161.89*	
10 51 26 00-0100	EA	18" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,089.16	38.61
		For >50 To 100, Deduct	*-101.19*	
		For >100, Deduct	*-154.11*	
10 51 26 00-0101	EA	18" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,149.03	38.61
		For >50 To 100, Deduct	*-107.18*	
		For >100, Deduct	*-163.09*	
10 51 26 00-0102	EA	18" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,238.74	38.61
		For >50 To 100, Deduct	*-116.15*	
		For >100, Deduct	*-176.54*	

10 51 26 00-0103 Five Tier Solid Plastic Lockers *(10 51 26 00-0001)*

10 51 26 00-0104	EA	12" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	975.15	38.07
		For >50 To 100, Deduct	*-89.90*	
		For >100, Deduct	*-137.14*	
10 51 26 00-0105	EA	12" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,008.18	38.07
		For >50 To 100, Deduct	*-93.21*	
		For >100, Deduct	*-142.09*	
10 51 26 00-0106	EA	12" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,041.21	38.07
		For >50 To 100, Deduct	*-96.51*	
		For >100, Deduct	*-147.05*	
10 51 26 00-0107	EA	15" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,020.18	38.07
		For >50 To 100, Deduct	*-94.41*	
		For >100, Deduct	*-143.89*	
10 51 26 00-0108	EA	15" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,079.35	38.07
		For >50 To 100, Deduct	*-100.32*	
		For >100, Deduct	*-152.77*	
10 51 26 00-0109	EA	15" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,107.99	38.07
		For >50 To 100, Deduct	*-103.19*	
		For >100, Deduct	*-157.06*	
10 51 26 00-0110	EA	18" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,098.00	38.07
		For >50 To 100, Deduct	*-102.19*	
		For >100, Deduct	*-155.56*	
10 51 26 00-0111	EA	18" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,129.95	38.07
		For >50 To 100, Deduct	*-105.38*	
		For >100, Deduct	*-160.36*	
10 51 26 00-0112	EA	18" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,233.73	38.07
		For >50 To 100, Deduct	*-115.76*	
		For >100, Deduct	*-175.92*	
10 51 26 00-0113	EA	12" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,065.07	39.17
		For >50 To 100, Deduct	*-98.67*	
		For >100, Deduct	*-150.36*	
10 51 26 00-0114	EA	12" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,102.11	39.17
		For >50 To 100, Deduct	*-102.38*	
		For >100, Deduct	*-155.92*	
10 51 26 00-0115	EA	12" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,139.13	39.17
		For >50 To 100, Deduct	*-106.08*	
		For >100, Deduct	*-161.47*	
10 51 26 00-0116	EA	15" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,126.17	39.17
		For >50 To 100, Deduct	*-104.78*	
		For >100, Deduct	*-159.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0117	EA	15" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,152.22	39.17
		For >50 To 100, Deduct	*-107.39*	
		For >100, Deduct	*-163.43*	
10 51 26 00-0118	EA	15" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,191.23	39.17
		For >50 To 100, Deduct	*-111.29*	
		For >100, Deduct	*-169.28*	
10 51 26 00-0119	EA	18" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,161.25	39.17
		For >50 To 100, Deduct	*-108.29*	
		For >100, Deduct	*-164.79*	
10 51 26 00-0120	EA	18" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,205.98	39.17
		For >50 To 100, Deduct	*-112.77*	
		For >100, Deduct	*-171.50*	
10 51 26 00-0121	EA	18" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,257.89	39.17
		For >50 To 100, Deduct	*-117.96*	
		For >100, Deduct	*-179.28*	
10 51 26 00-0122		**Six Tier Solid Plastic Lockers** *(10 51 26 00-0001)*		
10 51 26 00-0123	EA	15" x 12" x 60" Six Tier Solid Plastic Locker (Tufftec Lockers®)	1,127.21	38.61
		For >50 To 100, Deduct	*-105.00*	
		For >100, Deduct	*-159.81*	
10 51 26 00-0124	EA	12" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	1,105.27	39.72
		For >50 To 100, Deduct	*-102.58*	
		For >100, Deduct	*-156.26*	
10 51 26 00-0125	EA	12" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	1,142.26	39.72
		For >50 To 100, Deduct	*-106.28*	
		For >100, Deduct	*-161.81*	
10 51 26 00-0126	EA	12" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	1,166.94	39.72
		For >50 To 100, Deduct	*-108.75*	
		For >100, Deduct	*-165.51*	
10 51 26 00-0127	EA	15" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	1,216.26	39.72
		For >50 To 100, Deduct	*-113.68*	
		For >100, Deduct	*-172.91*	
10 51 26 00-0128	EA	15" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	1,230.66	39.72
		For >50 To 100, Deduct	*-115.12*	
		For >100, Deduct	*-175.07*	
10 51 26 00-0129	EA	15" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	1,240.94	39.72
		For >50 To 100, Deduct	*-116.15*	
		For >100, Deduct	*-176.61*	
10 51 26 00-0130	EA	18" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	1,245.04	39.72
		For >50 To 100, Deduct	*-116.56*	
		For >100, Deduct	*-177.22*	
10 51 26 00-0131	EA	18" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	1,290.26	39.72
		For >50 To 100, Deduct	*-121.08*	
		For >100, Deduct	*-184.01*	
10 51 26 00-0132	EA	18" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	1,349.89	39.72
		For >50 To 100, Deduct	*-127.05*	
		For >100, Deduct	*-192.95*	
10 51 26 00-0133		**Solid Plastic Locker Accessories** *(10 51 26 00-0001)*		
10 51 26 00-0134		**Slope Tops For Solid Plastic Lockers** *(10 51 26 00-0133)*		
		Note: Price per frame.		
10 51 26 00-0135	EA	Slope Top For Solid Plastic Lockers (Tufftec Lockers®)	51.55	
10 51 26 00-0136		**Recessed Bases For Solid Plastic Lockers** *(10 51 26 00-0133)*		
		Note: Price per frame.		
10 51 26 00-0137	EA	Recessed Base For Solid Plastic Lockers (Tufftec Lockers®)	56.86	
10 51 26 00-0138		**End Panels For Solid Plastic Lockers** *(10 51 26 00-0133)*		
		Note: Price per frame.		
10 51 26 00-0139	EA	End Panel For Solid Plastic Lockers (Tufftec Lockers®)	134.28	
10 51 26 00-0140		**Venting Options For Solid Plastic Locker Doors** *(10 51 26 00-0133)*		
		Note: Price per frame.		
10 51 26 00-0141	EA	Horizontal Venting Option For Solid Plastic Locker Doors	53.38	
10 51 26 00-0142		**Filler Panels For Solid Plastic Lockers** *(10 51 26 00-0133)*		
10 51 26 00-0143	EA	Up To 6" Width, Filler Panel For Solid Plastic Lockers (Tufftec Lockers®)	134.34	
		Note: Full locker height. Width and height cut to size in the field.		
10 51 26 00-0144		**Locker Accessories For Solid Plastic Lockers** *(10 51 26 00-0133)*		
10 51 26 00-0145	EA	Built In Hasp For Solid Plastic Lockers	13.34	
		Note: For removable padlocks. Excludes padlock.		
10 51 26 00-0146	EA	Built In Combination Lock For Solid Plastic Lockers	40.04	
10 51 26 00-0147	EA	Built In Key Lock For Solid Plastic Lockers	53.38	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 53		**Locker Room Benches** *(10 51)*		
10 51 53 00-0001	LF	9-1/2" Wide Top, 17" To 19" Height, Hardwood Bench With Aluminum Pedestals	115.11	5.52
10 51 53 00-0002	LF	9-1/2" Wide Top, 17" To 19" Height, Hardwood Bench With Painted Steel Pedestals	91.52	5.52
10 51 53 00-0003	LF	9-1/2" Wide Top, 17" To 19" Height, Plastic Laminated Bench With Steel Pedestals	140.73	5.52
10 51 53 00-0004	LF	9-1/2" Wide Top, 17" To 19" Height, Solid Plastic Bench With Steel Pedestals	134.41	5.52
10 51 53 00-0005	LF	9-1/2" Wide Top, 17" To 19" Height, Aluminum Bench With Aluminum Pedestals	104.03	5.52
10 55		**Postal Specialties** *(10 50)*		
10 55 23		**Mail Boxes** *(10 55)*		
10 55 23 23		**Residential Mail Boxes** *(10 55 23)*		
10 55 23 23-0001		Residential Mail Boxes *(10 55 23 23)*		
10 55 23 23-0002	EA	13" x 3-9/16" Satin Aluminum (Aluminum Body) Letter Slot With Interior Plate	122.81	12.41
		For Stainless Steel Sleeve, Add	*28.49*	
10 55 23 23-0003	EA	13" x 3-9/16" Bright Brass (Brass Body) Letter Slot With Interior Plate	166.94	12.41
		For Stainless Steel Sleeve, Add	*28.49*	
10 55 23 23-0004	EA	8" Wide x 16.5" High x 4.25" Deep, Aluminum Or Galvanized Steel Wall Mounted Mailbox	92.52	11.04
10 55 23 23-0005	EA	20" x 8-3/4" x 6-7/8" Galvanized Steel Residential Rural Mailbox With 1-1/2" Post	136.31	13.79
10 55 23 26		**Commercial Mail Boxes** *(10 55 23)*		
10 55 23 26-0001		Commercial Letter Boxes *(10 55 23 26)*		
		Note: Includes locks and keys unless provided by the United States Postal Service.		
10 55 23 26-0002	EA	15" Wide x 19" High x 7-1/2" Deep, US Postal Service Approved, Surface Mount, Aluminum Letter Box (Salsbury 2240AU)	415.81	16.55
10 55 23 26-0003	EA	15" Wide x 19" High x 6-3/4" Deep, Private Use/Access, Recessed Mount, Aluminum Letter Box (Salsbury 2245AP)	481.42	16.55
10 55 23 26-0004		Commercial Horizontal Mail Boxes *(10 55 23 26)*		
		Note: Includes locks and keys unless provided by the United States Postal Service.		
10 55 23 26-0005	BOX	5-1/2" Wide x 5-1/2" High x 15-1/2" Deep, Private Use/Access, Wall Mount, Aluminum Horizontal Mail Boxes, Per Box	81.00	16.55
10 55 23 26-0006	BOX	10-3/4" Wide x 5-1/2" High x 15-1/2" Deep, Private Use/Access, Wall Mount, Aluminum Horizontal Mail Boxes, Per Box	174.36	22.06
10 55 23 26-0007	BOX	6-3/8" Wide x 5" High x 17" Deep, US Postal Service Approved, Wall Mount, Aluminum Horizontal Mail Boxes, Per Box	105.35	13.79
10 55 23 26-0008	BOX	12-7/8" Wide x 5" High x 17" Deep, US Postal Service Approved, Wall Mount, Aluminum Horizontal Mail Boxes, Per Box	163.59	22.06
10 55 23 26-0009		Commercial Cluster Mail Boxes *(10 55 23 26)*		
		Note: Includes locks and keys unless provided by the United States Postal Service. Includes pedestal. Excludes concrete foundation.		
10 55 23 26-0010	EA	13-15/16 Wide" x 24-1/8" High x 15" Deep, Pedestal Mount, Aluminum (NDCBU) Neighborhood Delivery And Collection Mail Box (National Mailboxes H8MNDCBU5)	2,149.26	33.10
		Note: Any door combination.		
10 55 23 26-0011	EA	26-15/16" Wide x 24-1/8" High x 15" Deep, Pedestal Mount, Aluminum (NDCBU) Neighborhood Delivery And Collection Mail Box (National Mailboxes H16MNDCBU8)	2,545.30	44.13
		Note: Any door combination.		
10 55 23 26-0012	EA	30-1/2" Wide x 62" High x 17-7/8" Deep, 8 Tenant Doors, 2 Parcel Lockers, Pedestal Mount, Aluminum And Stainless Steel Construction, (CBU) Cluster Mail Box (AF Florence Vital 1570-8)	3,393.70	44.13
10 55 23 26-0013	EA	30-1/2" Wide x 62" High x 17-7/8" Deep, 12 Tenant Doors, 1 Parcel Locker, Pedestal Mount, Aluminum And Stainless Steel Construction, (CBU) Cluster Mail Box (AF Florence Vital 1570-12)	3,503.05	44.13
10 55 23 26-0014	EA	30-1/2" Wide x 62" High x 17-7/8" Deep, 16 Tenant Doors, 2 Parcel Lockers, Pedestal Mount, Aluminum And Stainless Steel Construction, (CBU) Cluster Mail Box (AF Florence Vital 1570-16)	3,667.07	44.13
10 55 23 26-0015		Commercial 4C Mail Boxes *(10 55 23 26)*		
		Note: Includes locks and keys unless provided by the United States Postal Service.		
10 55 23 26-0016	EA	31-9/16" Wide x 40-3/4" High x 17" Deep, 9 Doors, Recessed Wall Mount, Aluminum 4C Mail Box (AF Florence 4C11S-09)	1,830.04	44.13
10 55 23 26-0017	EA	31-9/16" Wide x 40-3/4" High x 17" Deep, 15 Doors, 1 Parcel Locker, Recessed Wall Mount, Aluminum 4C Mail Box (AF Florence 4C11D-15)	3,231.64	44.13
10 55 23 26-0018	EA	31-9/16" Wide x 40-3/4" High x 17" Deep, 19 Doors, Recessed Wall Mount, Aluminum 4C Mail Box (AF Florence 4C11D-19)	3,362.86	44.13
10 55 26		**Parcel Lockers** *(10 55)*		
10 55 26 00-0001		Parcel Lockers *(10 55 26)*		
10 55 26 00-0002	EA	24" x 14" x 15" Deep, Aluminum Pedestal Mounted Parcel Locker	1,596.04	33.10
		Note: Two compartments.		
10 55 26 00-0003	EA	48" x 16" x 18" Deep, Aluminum Pedestal Mounted Parcel Locker	1,896.48	44.13
		Note: Two compartments.		
10 56		**Storage Assemblies** *(10 50)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 56 13		**Metal Storage Shelving** *(10 56)*		
10 56 13 16		**Post-And-Shelf Metal Storage Shelving** *(10 56 13)*		
10 56 13 16-0001		Baked Enamel Steel Shelving *(10 56 13 16)*		
10 56 13 16-0002		7 Shelf Unit, 72" Or 87" High, Full Unit, Open Type *(10 56 13 16-0001)*		
10 56 13 16-0003	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 10" Wide Shelf	154.43	22.51
		For >75" To 87" High, Add	*13.45*	
10 56 13 16-0004	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 12" Wide Shelf	154.72	23.64
		For >75" To 87" High, Add	*13.36*	
10 56 13 16-0005	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 15" Wide Shelf	148.65	25.90
		For >75" To 87" High, Add	*12.58*	
10 56 13 16-0006	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 18" Wide Shelf	189.03	28.14
		For >75" To 87" High, Add	*16.47*	
10 56 13 16-0007	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 24" Wide Shelf	211.94	29.27
		For >75" To 87" High, Add	*18.59*	
10 56 13 16-0008	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 30" Wide Shelf	204.23	31.52
		For >75" To 87" High, Add	*17.66*	
10 56 13 16-0009	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 36" Wide Shelf	226.93	33.77
		For >75" To 87" High, Add	*19.76*	
10 56 13 16-0010		3 Shelf Unit, 32" High Base Unit Only, Fully Enclosed *(10 56 13 16-0001)*		
		Note: Adjustable shelves.		
10 56 13 16-0011	LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 10" Wide Shelf	111.29	11.48
10 56 13 16-0012	LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 12" Wide Shelf	110.07	12.27
10 56 13 16-0013	LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 15" Wide Shelf	123.67	13.05
10 56 13 16-0014	LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 18" Wide Shelf	128.60	13.85
10 56 13 16-0015	LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 24" Wide Shelf	148.19	14.75
10 56 13 16-0016		4 Shelf Unit, 40" High Unit *(10 56 13 16-0001)*		
10 56 13 16-0017	LF	40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 10" Wide Shelf	129.58	22.51
10 56 13 16-0018	LF	40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 12" Wide Shelf	105.24	23.64
10 56 13 16-0019	LF	40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 15" Wide Shelf	120.74	25.90
10 56 13 16-0020	LF	40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 18" Wide Shelf	127.24	28.14
10 56 13 16-0021	LF	40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 24" Wide Shelf	145.44	29.27
10 56 16		**Fabricated Wood Storage Shelving** *(10 56)*		
10 56 16 00-0001		Shelving *(10 56 16)*		
10 56 16 00-0002		Built-In Wood Shelving *(10 56 16 00-0001)*		
		Note: Priced by shelf area. Includes hardware and trim.		
10 56 16 00-0003	SF	Built-in Wood Storage Shelving Post And Trimmed Plywood	22.08	2.78
		For Each SF Of Lumber Edge Band, Add	*0.69*	
		For Each SF Of Prefinished Shelves, Add	*2.32*	
10 56 16 00-0004	SF	Built-in Wood Storage Shelving Post And Solid Clear Pine	23.80	3.34
		For Each SF Of Lumber Edge Band, Add	*0.69*	
		For Each SF Of Prefinished Shelves, Add	*2.32*	
10 56 16 00-0005	SF	Built-in Wood Storage Shelving Closet Shelf Of Pine With Rod	24.12	5.57
		For Each SF Of Lumber Edge Band, Add	*0.69*	
		For Each SF Of Prefinished Shelves, Add	*2.32*	
10 56 16 00-0006		Wood Shelving, White Pine, Clear Grade, Wall Mounted *(10 56 16 00-0001)*		
10 56 16 00-0007	LF	1" x 8" White Pine Clear Grade Wood Shelving	18.17	6.69
10 56 16 00-0008	LF	1" x 10" White Pine Clear Grade Wood Shelving	20.01	7.13
10 56 16 00-0009	LF	1" x 12" White Pine Clear Grade Wood Shelving	22.06	7.68
10 56 16 00-0010	SF	Wood Shelving, 2" White Pine Clear Grade	28.98	
10 56 16 00-0011		Plywood Shelf With Edge Band *(10 56 16 00-0001)*		
10 56 16 00-0012	LF	12" Wide, 3/4" Plywood Shelf With Edge Band	22.55	6.69
10 56 16 00-0013	LF	24" Wide, 3/4" Plywood Shelf With Edge Band	35.63	8.35
10 56 16 00-0014		Adjustable Shelf And Rod *(10 56 16 00-0001)*		
10 56 16 00-0015	EA	12" Wide Adjustable Shelf, 3' To 6' Long	207.83	25.06
		Note: Including Rod		
10 56 16 00-0016	EA	12" Wide Adjustable Shelf, 5' To 8' Long	244.28	33.41
		Note: Including Rod		
10 56 16 00-0017		Prefinished Wood Shelves With Brackets And Supports *(10 56 16 00-0001)*		
10 56 16 00-0018	LF	Prefinished Wood Shelves, 8" Wide, With Brackets And Supports	19.34	6.69
10 56 16 00-0019	LF	Prefinished Wood Shelves, 10" Wide, With Brackets And Supports	21.06	7.13
10 56 16 00-0020	SF	Adjustable 3/4" Plastic Laminated Wood Shelves, Recessed Metal Standards	67.89	11.14

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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 56 16 00-0021		Wood Shelving, Oak, Clear Grade, Wall Mounted *(10 56 16 00-0001)*		
10 56 16 00-0022	LF	Wood Shelving, 1" X 8" Oak Clear Grade	22.05	10.47

10 56 17 Wall-Mounted Standards and Shelving *(10 56)*

10 56 17 00-0001 Galvanized Steel, Wall Mounted Solid Shelving *(10 56 17)*

Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.

10 56 17 00-0002	LF	8" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving	90.27	11.03
		For Installation On Concrete Walls, Add	*3.52*	
		For Installation On Concrete Block Walls, Add	*4.21*	
10 56 17 00-0003	LF	10" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving	93.56	11.03
		For Installation On Concrete Walls, Add	*3.52*	
		For Installation On Concrete Block Walls, Add	*4.21*	
10 56 17 00-0004	LF	12" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving	101.19	11.03
		For Installation On Concrete Walls, Add	*3.52*	
		For Installation On Concrete Block Walls, Add	*4.21*	
10 56 17 00-0005	LF	16" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving	111.05	11.03
		For Installation On Concrete Walls, Add	*3.52*	
		For Installation On Concrete Block Walls, Add	*4.21*	
10 56 17 00-0006	LF	18" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving	113.50	11.03
		For Installation On Concrete Walls, Add	*3.52*	
		For Installation On Concrete Block Walls, Add	*4.21*	
10 56 17 00-0007	LF	24" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving	134.62	11.03
		For Installation On Concrete Walls, Add	*3.52*	
		For Installation On Concrete Block Walls, Add	*4.21*	

10 56 17 00-0008 304 Stainless Steel, Wall Mounted Solid Shelving *(10 56 17)*

Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.

10 56 17 00-0009	LF	8" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving	150.17	11.03
		For Installation On Concrete Walls, Add	*3.52*	
		For Installation On Concrete Block Walls, Add	*4.21*	
10 56 17 00-0010	LF	10" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving	165.12	11.03
		For Installation On Concrete Walls, Add	*3.52*	
		For Installation On Concrete Block Walls, Add	*4.21*	
10 56 17 00-0011	LF	12" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving	180.15	11.03
		For Installation On Concrete Walls, Add	*3.52*	
		For Installation On Concrete Block Walls, Add	*4.21*	
10 56 17 00-0012	LF	16" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving	214.69	11.03
		For Installation On Concrete Walls, Add	*3.52*	
		For Installation On Concrete Block Walls, Add	*4.21*	
10 56 17 00-0013	LF	18" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving	235.13	11.03
		For Installation On Concrete Walls, Add	*3.52*	
		For Installation On Concrete Block Walls, Add	*4.21*	
10 56 17 00-0014	LF	24" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving	264.66	11.03
		For Installation On Concrete Walls, Add	*3.52*	
		For Installation On Concrete Block Walls, Add	*4.21*	

10 56 17 00-0015 Laminated Particleboard, Wall Mounted Solid Shelving *(10 56 17)*

Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.

10 56 17 00-0016	LF	8" Depth, Laminated Particleboard, Wall Mounted Solid Shelving	59.17	11.03
		For Installation On Concrete Walls, Add	*3.52*	
		For Installation On Concrete Block Walls, Add	*4.21*	
10 56 17 00-0017	LF	10" Depth, Laminated Particleboard, Wall Mounted Solid Shelving	61.39	11.03
		For Installation On Concrete Walls, Add	*3.52*	
		For Installation On Concrete Block Walls, Add	*4.21*	
10 56 17 00-0018	LF	12" Depth, Laminated Particleboard, Wall Mounted Solid Shelving	64.09	11.03
		For Installation On Concrete Walls, Add	*3.52*	
		For Installation On Concrete Block Walls, Add	*4.21*	
10 56 17 00-0019	LF	16" Depth, Laminated Particleboard, Wall Mounted Solid Shelving	68.00	11.03
		For Installation On Concrete Walls, Add	*3.52*	
		For Installation On Concrete Block Walls, Add	*4.21*	
10 56 17 00-0020	LF	18" Depth, Laminated Particleboard, Wall Mounted Solid Shelving	72.73	11.03
		For Installation On Concrete Walls, Add	*3.52*	
		For Installation On Concrete Block Walls, Add	*4.21*	
10 56 17 00-0021	LF	24" Depth, Laminated Particleboard, Wall Mounted Solid Shelving	85.46	11.03
		For Installation On Concrete Walls, Add	*3.52*	
		For Installation On Concrete Block Walls, Add	*4.21*	

10 56 17 00-0022 Chrome Plated Steel, Wall Mounted Wire Shelving *(10 56 17)*

Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.

10 56 17 00-0023	LF	14" Depth, Chrome Plated Steel, Wall Mounted Wire Shelving	88.18	11.03
		For Installation On Concrete Walls, Add	*3.52*	
		For Installation On Concrete Block Walls, Add	*4.21*	
10 56 17 00-0024	LF	18" Depth, Chrome Plated Steel, Wall Mounted Wire Shelving	99.69	11.03
		For Installation On Concrete Walls, Add	*3.52*	
		For Installation On Concrete Block Walls, Add	*4.21*	

10 56 17 00-0025 Stainless Steel, Wall Mounted Wire Shelving *(10 56 17)*

Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 56 17 00-0026	LF	14" Depth, Stainless Steel, Wall Mounted Wire Shelving	213.28	11.03
		For Installation On Concrete Walls, Add	*3.52*	
		For Installation On Concrete Block Walls, Add	*4.21*	
10 56 17 00-0027	LF	18" Depth, Stainless Steel, Wall Mounted Wire Shelving	222.10	11.03
		For Installation On Concrete Walls, Add	*3.52*	
		For Installation On Concrete Block Walls, Add	*4.21*	

10 56 17 00-0028 Prefinished Hardwood Plywood, Wall Mounted Solid Shelving *(10 56 17)*

Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.

10 56 17 00-0029	LF	8" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving	59.36	11.03
		For Installation On Concrete Walls, Add	*4.73*	
		For Installation On Concrete Block Walls, Add	*5.42*	
10 56 17 00-0030	LF	10" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving	60.81	11.03
		For Installation On Concrete Walls, Add	*4.76*	
		For Installation On Concrete Block Walls, Add	*5.45*	
10 56 17 00-0031	LF	12" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving	61.75	11.03
		For Installation On Concrete Walls, Add	*4.78*	
		For Installation On Concrete Block Walls, Add	*5.47*	
10 56 17 00-0032	LF	16" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving	65.19	11.03
		For Installation On Concrete Walls, Add	*4.84*	
		For Installation On Concrete Block Walls, Add	*5.53*	
10 56 17 00-0033	LF	18" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving	66.95	11.03
		For Installation On Concrete Walls, Add	*4.86*	
		For Installation On Concrete Block Walls, Add	*5.55*	
10 56 17 00-0034	LF	24" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving	72.23	11.03
		For Installation On Concrete Walls, Add	*4.95*	
		For Installation On Concrete Block Walls, Add	*5.64*	

10 56 17 00-0035 Wall Mounted Shelving Accessories *(10 56 17)*

10 56 17 00-0036	LF	Removal And Reinstallation Of Single Shelf Metal Storage Shelving Unit	36.86	

10 57 Wardrobe And Closet Specialties *(10 50)*

10 57 13 Hat And Coat Racks *(10 57)*

10 57 13 00-0001 Hat And Coat Rack *(10 57 13)*

10 57 13 00-0002 Single Tier *(10 57 13 00-0001)*

10 57 13 00-0003	LF	Single Tier Hat And Coat Rack Baked Enameled Steel	70.11	5.52
		For Custom Made Units, Add	*33.29*	
10 57 13 00-0004	LF	Single Tier Hat And Coat Rack Stainless Steel	49.64	5.52
		For Custom Made Units, Add	*21.01*	
10 57 13 00-0005	LF	Single Tier Hat And Coat Rack Aluminum	145.95	5.52
		For Custom Made Units, Add	*78.80*	

10 57 13 00-0006 Double Tier *(10 57 13 00-0001)*

10 57 13 00-0007	LF	Double Tier Hat And Coat Rack Baked Enameled Steel	94.37	5.52
		For Custom Made Units, Add	*45.78*	
10 57 13 00-0008	LF	Double Tier Hat And Coat Rack Stainless Steel	55.56	5.52
		For Custom Made Units, Add	*22.49*	
10 57 13 00-0009	LF	Double Tier Hat And Coat Rack Aluminum	251.45	5.52
		For Custom Made Units, Add	*140.02*	

10 57 43 Wardrobe Units *(10 57)*

10 57 43 00-0001 Dormitory Wardrobe Units *(10 57 43)*

10 57 43 00-0002	EA	24" x 24" x 68" Hardwood Veneer Dormitory Wardrobe Unit With Door	2,157.42	204.34
		For Custom Made Units, Add	*1,151.43*	
10 57 43 00-0003	EA	24" x 24" x 68" Plastic Laminate Dormitory Wardrobe Unit With Door	1,643.74	204.34
		For Custom Made Units, Add	*843.22*	

10 70 Exterior Specialties *(10)*

10 71 Exterior Protection *(10 70)*

10 71 13 Exterior Sun Control Devices *(10 71)*

10 71 13 13 Exterior Shutters *(10 71 13)*

10 71 13 13-0001 Exterior Shutters, High Impact Resistant Plastic, Unfinished *(10 71 13 13)*

10 71 13 13-0002 Louvered Decorative Shutters *(10 71 13 13-0001)*

10 71 13 13-0003	PR	15" x 25" Louvered Shutter, High Impact Resistant Plastic	113.85	33.38
		For Colored Finish, Add	*12.48*	
10 71 13 13-0004	PR	15" x 31" Louvered Shutter, High Impact Resistant Plastic	123.55	35.05
		For Colored Finish, Add	*13.83*	
10 71 13 13-0005	PR	15" x 36" Louvered Shutter, High Impact Resistant Plastic	133.29	36.71
		For Colored Finish, Add	*15.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0006	PR	15" x 39" Louvered Shutter, High Impact Resistant Plastic	142.15	38.38
		For Colored Finish, Add	*16.38*	
10 71 13 13-0007	PR	15" x 43" Louvered Shutter, High Impact Resistant Plastic	152.21	40.05
		For Colored Finish, Add	*17.79*	
10 71 13 13-0008	PR	15" x 48" Louvered Shutter, High Impact Resistant Plastic	162.70	41.72
		For Colored Finish, Add	*19.27*	
10 71 13 13-0009	PR	15" x 52" Louvered Shutter, High Impact Resistant Plastic	169.80	43.38
		For Colored Finish, Add	*20.15*	
10 71 13 13-0010	PR	15" x 55" Louvered Shutter, High Impact Resistant Plastic	177.69	45.05
		For Colored Finish, Add	*21.17*	
10 71 13 13-0011	PR	15" x 60" Louvered Shutter, High Impact Resistant Plastic	188.34	46.72
		For Colored Finish, Add	*22.69*	
10 71 13 13-0012	PR	15" x 64" Louvered Shutter, High Impact Resistant Plastic	202.64	48.39
		For Colored Finish, Add	*24.86*	
10 71 13 13-0013	PR	15" x 67" Louvered Shutter, High Impact Resistant Plastic	209.34	50.06
		For Colored Finish, Add	*25.67*	
10 71 13 13-0014	PR	15" x 72" Louvered Shutter, High Impact Resistant Plastic	227.32	51.73
		For Colored Finish, Add	*28.50*	
10 71 13 13-0015	PR	15" x 75" Louvered Shutter, High Impact Resistant Plastic	233.96	53.40
		For Colored Finish, Add	*29.30*	
10 71 13 13-0016	PR	15" x 80" Louvered Shutter, High Impact Resistant Plastic	246.45	55.07
		For Colored Finish, Add	*31.14*	

10 71 13 13-0017 Raised Panel Decorative Shutters *(10 71 13 13-0001)*

10 71 13 13-0018	PR	15" x 35" Raised Panel Shutter, High Impact Resistant Plastic	161.22	36.71
		For Colored Finish, Add	*20.21*	
10 71 13 13-0019	PR	15" x 39" Raised Panel Shutter, High Impact Resistant Plastic	172.90	38.38
		For Colored Finish, Add	*21.91*	
10 71 13 13-0020	PR	15" x 43" Raised Panel Shutter, High Impact Resistant Plastic	180.51	40.05
		For Colored Finish, Add	*22.88*	
10 71 13 13-0021	PR	15" x 47" Raised Panel Shutter, High Impact Resistant Plastic	192.54	41.72
		For Colored Finish, Add	*24.65*	
10 71 13 13-0022	PR	15" x 51" Raised Panel Shutter, High Impact Resistant Plastic	202.84	43.38
		For Colored Finish, Add	*26.10*	
10 71 13 13-0023	PR	15" x 55" Raised Panel Shutter, High Impact Resistant Plastic	212.54	45.05
		For Colored Finish, Add	*27.44*	
10 71 13 13-0024	PR	15" x 59" Raised Panel Shutter, High Impact Resistant Plastic	225.76	46.72
		For Colored Finish, Add	*29.42*	
10 71 13 13-0025	PR	15" x 63" Raised Panel Shutter, High Impact Resistant Plastic	243.26	48.39
		For Colored Finish, Add	*32.17*	
10 71 13 13-0026	PR	15" x 67" Raised Panel Shutter, High Impact Resistant Plastic	255.46	50.06
		For Colored Finish, Add	*33.97*	
10 71 13 13-0027	PR	15" x 71" Raised Panel Shutter, High Impact Resistant Plastic	269.23	51.73
		For Colored Finish, Add	*36.05*	
10 71 13 13-0028	PR	15" x 75" Raised Panel Shutter, High Impact Resistant Plastic	273.68	53.40
		For Colored Finish, Add	*36.45*	
10 71 13 13-0029	PR	15" x 81" Raised Panel Shutter, High Impact Resistant Plastic	283.56	55.07
		For Colored Finish, Add	*37.82*	

10 71 13 13-0030 Exterior Spanish Cedar Shutters *(10 71 13 13)*

10 71 13 13-0031 12" Width *(10 71 13 13-0030)*

10 71 13 13-0032	PR	12" x 36" Spanish Cedar Raised Panel Or Louvered Shutter	571.58	33.38
		For Arched Tops, Add	*150.00*	
10 71 13 13-0033	PR	12" x 42" Spanish Cedar Raised Panel Or Louvered Shutter	617.37	36.71
		For Arched Tops, Add	*150.00*	
10 71 13 13-0034	PR	12" x 48" Spanish Cedar Raised Panel Or Louvered Shutter	660.93	38.38
		For Arched Tops, Add	*150.00*	
10 71 13 13-0035	PR	12" x 54" Spanish Cedar Raised Panel Or Louvered Shutter	706.72	41.72
		For Arched Tops, Add	*150.00*	
10 71 13 13-0036	PR	12" x 60" Spanish Cedar Raised Panel Or Louvered Shutter	750.29	43.38
		For Arched Tops, Add	*150.00*	
10 71 13 13-0037	PR	12" x 66" Spanish Cedar Raised Panel Or Louvered Shutter	799.53	46.72
		For Arched Tops, Add	*150.00*	
10 71 13 13-0038	PR	12" x 72" Spanish Cedar Raised Panel Or Louvered Shutter	843.10	48.39
		For Arched Tops, Add	*150.00*	
10 71 13 13-0039	PR	12" x 78" Spanish Cedar Raised Panel Or Louvered Shutter	886.66	50.06
		For Arched Tops, Add	*150.00*	
10 71 13 13-0040	PR	12" x 84" Spanish Cedar Raised Panel Or Louvered Shutter	932.45	53.40
		For Arched Tops, Add	*150.00*	

10 71 13 13-0041 14" Width *(10 71 13 13-0030)*

10 71 13 13-0042	PR	14" x 36" Spanish Cedar Raised Panel Or Louvered Shutter	606.04	33.38
		For Arched Tops, Add	*150.00*	
10 71 13 13-0043	PR	14" x 42" Spanish Cedar Raised Panel Or Louvered Shutter	658.71	36.71
		For Arched Tops, Add	*150.00*	
10 71 13 13-0044	PR	14" x 48" Spanish Cedar Raised Panel Or Louvered Shutter	709.17	38.38
		For Arched Tops, Add	*150.00*	
10 71 13 13-0045	PR	14" x 54" Spanish Cedar Raised Panel Or Louvered Shutter	761.84	41.72
		For Arched Tops, Add	*150.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0046	PR	14" x 60" Spanish Cedar Raised Panel Or Louvered Shutter	812.31	43.38
		For Arched Tops, Add	*150.00*	
10 71 13 13-0047	PR	14" x 66" Spanish Cedar Raised Panel Or Louvered Shutter	864.98	46.72
		For Arched Tops, Add	*150.00*	
10 71 13 13-0048	PR	14" x 72" Spanish Cedar Raised Panel Or Louvered Shutter	915.45	48.39
		For Arched Tops, Add	*150.00*	
10 71 13 13-0049	PR	14" x 78" Spanish Cedar Raised Panel Or Louvered Shutter	962.45	50.06
		For Arched Tops, Add	*150.00*	
10 71 13 13-0050	PR	14" x 84" Spanish Cedar Raised Panel Or Louvered Shutter	1,015.13	53.40
		For Arched Tops, Add	*150.00*	
10 71 13 13-0051		**16" Width** *(10 71 13 13-0030)*		
10 71 13 13-0052	PR	16" x 36" Spanish Cedar Raised Panel Or Louvered Shutter	643.93	33.38
		For Arched Tops, Add	*150.00*	
10 71 13 13-0053	PR	16" x 42" Spanish Cedar Raised Panel Or Louvered Shutter	700.05	36.71
		For Arched Tops, Add	*150.00*	
10 71 13 13-0054	PR	16" x 48" Spanish Cedar Raised Panel Or Louvered Shutter	757.39	38.38
		For Arched Tops, Add	*150.00*	
10 71 13 13-0055	PR	16" x 54" Spanish Cedar Raised Panel Or Louvered Shutter	813.52	41.72
		For Arched Tops, Add	*150.00*	
10 71 13 13-0056	PR	16" x 60" Spanish Cedar Raised Panel Or Louvered Shutter	870.87	43.38
		For Arched Tops, Add	*150.00*	
10 71 13 13-0057	PR	16" x 66" Spanish Cedar Raised Panel Or Louvered Shutter	930.44	46.72
		For Arched Tops, Add	*150.00*	
10 71 13 13-0058	PR	16" x 72" Spanish Cedar Raised Panel Or Louvered Shutter	984.35	48.39
		For Arched Tops, Add	*150.00*	
10 71 13 13-0059	PR	16" x 78" Spanish Cedar Raised Panel Or Louvered Shutter	1,041.69	50.06
		For Arched Tops, Add	*150.00*	
10 71 13 13-0060	PR	16" x 84" Spanish Cedar Raised Panel Or Louvered Shutter	1,101.26	53.40
		For Arched Tops, Add	*150.00*	
10 71 13 13-0061		**18" Width** *(10 71 13 13-0030)*		
10 71 13 13-0062	PR	18" x 36" Spanish Cedar Raised Panel Or Louvered Shutter	678.38	33.38
		For Arched Tops, Add	*150.00*	
10 71 13 13-0063	PR	18" x 42" Spanish Cedar Raised Panel Or Louvered Shutter	741.39	36.71
		For Arched Tops, Add	*150.00*	
10 71 13 13-0064	PR	18" x 48" Spanish Cedar Raised Panel Or Louvered Shutter	805.63	38.38
		For Arched Tops, Add	*150.00*	
10 71 13 13-0065	PR	18" x 54" Spanish Cedar Raised Panel Or Louvered Shutter	868.64	41.72
		For Arched Tops, Add	*150.00*	
10 71 13 13-0066	PR	18" x 60" Spanish Cedar Raised Panel Or Louvered Shutter	929.43	43.38
		For Arched Tops, Add	*150.00*	
10 71 13 13-0067	PR	18" x 66" Spanish Cedar Raised Panel Or Louvered Shutter	995.89	46.72
		For Arched Tops, Add	*150.00*	
10 71 13 13-0068	PR	18" x 72" Spanish Cedar Raised Panel Or Louvered Shutter	1,056.69	48.39
		For Arched Tops, Add	*150.00*	
10 71 13 13-0069	PR	18" x 78" Spanish Cedar Raised Panel Or Louvered Shutter	1,120.92	50.06
		For Arched Tops, Add	*150.00*	
10 71 13 13-0070	PR	18" x 84" Spanish Cedar Raised Panel Or Louvered Shutter	1,183.94	53.40
		For Arched Tops, Add	*150.00*	
10 71 13 13-0071		**20" Width** *(10 71 13 13-0030)*		
10 71 13 13-0072	PR	20" x 36" Spanish Cedar Raised Panel Or Louvered Shutter	712.83	33.38
		For Arched Tops, Add	*150.00*	
10 71 13 13-0073	PR	20" x 42" Spanish Cedar Raised Panel Or Louvered Shutter	782.73	36.71
		For Arched Tops, Add	*150.00*	
10 71 13 13-0074	PR	20" x 48" Spanish Cedar Raised Panel Or Louvered Shutter	850.41	38.38
		For Arched Tops, Add	*150.00*	
10 71 13 13-0075	PR	20" x 54" Spanish Cedar Raised Panel Or Louvered Shutter	923.76	41.72
		For Arched Tops, Add	*150.00*	
10 71 13 13-0076	PR	20" x 60" Spanish Cedar Raised Panel Or Louvered Shutter	991.45	43.38
		For Arched Tops, Add	*150.00*	
10 71 13 13-0077	PR	20" x 66" Spanish Cedar Raised Panel Or Louvered Shutter	1,061.35	46.72
		For Arched Tops, Add	*150.00*	
10 71 13 13-0078	PR	20" x 72" Spanish Cedar Raised Panel Or Louvered Shutter	1,129.03	48.39
		For Arched Tops, Add	*150.00*	
10 71 13 13-0079	PR	20" x 78" Spanish Cedar Raised Panel Or Louvered Shutter	1,196.71	50.06
		For Arched Tops, Add	*150.00*	
10 71 13 13-0080	PR	20" x 84" Spanish Cedar Raised Panel Or Louvered Shutter	1,266.62	53.40
		For Arched Tops, Add	*150.00*	
10 71 13 13-0081		**Heavy-Duty Exterior True Louver Shutters, Western Red Cedar** *(10 71 13 13)*		
10 71 13 13-0082		**12" Width** *(10 71 13 13-0081)*		
10 71 13 13-0083	PR	12" x 36-1/2" Louver Shutter, Heavy-Duty Red Cedar	514.65	33.38
		For Arched Tops, Add	*150.00*	
10 71 13 13-0084	PR	12" x 39-1/2" Louver Shutter, Heavy-Duty Red Cedar	548.16	35.05
		For Arched Tops, Add	*150.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0085	PR	12" x 44" Louver Shutter, Heavy-Duty Red Cedar	597.33	36.71
		For Arched Tops, Add	*150.00*	
10 71 13 13-0086	PR	12" x 47" Louver Shutter, Heavy-Duty Red Cedar	630.85	38.38
		For Arched Tops, Add	*150.00*	
10 71 13 13-0087	PR	12" x 51-1/2" Louver Shutter, Heavy-Duty Red Cedar	680.02	40.05
		For Arched Tops, Add	*150.00*	
10 71 13 13-0088	PR	12" x 56" Louver Shutter, Heavy-Duty Red Cedar	729.18	41.72
		For Arched Tops, Add	*150.00*	
10 71 13 13-0089	PR	12" x 59" Louver Shutter, Heavy-Duty Red Cedar	762.71	43.38
		For Arched Tops, Add	*150.00*	
10 71 13 13-0090	PR	12" x 63-1/2" Louver Shutter, Heavy-Duty Red Cedar	811.87	45.05
		For Arched Tops, Add	*150.00*	
10 71 13 13-0091	PR	12" x 68" Louver Shutter, Heavy-Duty Red Cedar	861.04	46.72
		For Arched Tops, Add	*150.00*	
10 71 13 13-0092	PR	12" x 72-1/2" Louver Shutter, Heavy-Duty Red Cedar	910.21	48.39
		For Arched Tops, Add	*150.00*	
10 71 13 13-0093	PR	12" x 75-1/2" Louver Shutter, Heavy-Duty Red Cedar	943.73	50.06
		For Arched Tops, Add	*150.00*	
10 71 13 13-0094	PR	12" x 80" Louver Shutter, Heavy-Duty Red Cedar	992.89	51.73
		For Arched Tops, Add	*150.00*	
10 71 13 13-0095	PR	12" x 83" Louver Shutter, Heavy-Duty Red Cedar	1,026.41	53.40
		For Arched Tops, Add	*150.00*	
10 71 13 13-0096		**14" Width** *(10 71 13 13-0081)*		
10 71 13 13-0097	PR	14" x 36-1/2" Louver Shutter, Heavy-Duty Red Cedar	578.10	33.38
		For Arched Tops, Add	*150.00*	
10 71 13 13-0098	PR	14" x 39-1/2" Louver Shutter, Heavy-Duty Red Cedar	616.84	35.05
		For Arched Tops, Add	*150.00*	
10 71 13 13-0099	PR	14" x 44" Louver Shutter, Heavy-Duty Red Cedar	673.83	36.71
		For Arched Tops, Add	*150.00*	
10 71 13 13-0100	PR	14" x 47" Louver Shutter, Heavy-Duty Red Cedar	712.56	38.38
		For Arched Tops, Add	*150.00*	
10 71 13 13-0101	PR	14" x 51-1/2" Louver Shutter, Heavy-Duty Red Cedar	769.55	40.05
		For Arched Tops, Add	*150.00*	
10 71 13 13-0102	PR	14" x 56" Louver Shutter, Heavy-Duty Red Cedar	826.54	41.72
		For Arched Tops, Add	*150.00*	
10 71 13 13-0103	PR	14" x 59" Louver Shutter, Heavy-Duty Red Cedar	865.28	43.38
		For Arched Tops, Add	*150.00*	
10 71 13 13-0104	PR	14" x 63-1/2" Louver Shutter, Heavy-Duty Red Cedar	922.26	45.05
		For Arched Tops, Add	*150.00*	
10 71 13 13-0105	PR	14" x 68" Louver Shutter, Heavy-Duty Red Cedar	979.27	46.72
		For Arched Tops, Add	*150.00*	
10 71 13 13-0106	PR	14" x 72-1/2" Louver Shutter, Heavy-Duty Red Cedar	1,036.26	48.39
		For Arched Tops, Add	*150.00*	
10 71 13 13-0107	PR	14" x 75-1/2" Louver Shutter, Heavy-Duty Red Cedar	1,074.99	50.06
		For Arched Tops, Add	*150.00*	
10 71 13 13-0108	PR	14" x 80" Louver Shutter, Heavy-Duty Red Cedar	1,131.98	51.73
		For Arched Tops, Add	*150.00*	
10 71 13 13-0109	PR	14" x 83" Louver Shutter, Heavy-Duty Red Cedar	1,170.71	53.40
		For Arched Tops, Add	*150.00*	
10 71 13 13-0110		**15" Width** *(10 71 13 13-0081)*		
10 71 13 13-0111	PR	15" x 36-1/2" Louver Shutter, Heavy-Duty Red Cedar	609.83	33.38
		For Arched Tops, Add	*150.00*	
10 71 13 13-0112	PR	15" x 39-1/2" Louver Shutter, Heavy-Duty Red Cedar	651.17	35.05
		For Arched Tops, Add	*150.00*	
10 71 13 13-0113	PR	15" x 44" Louver Shutter, Heavy-Duty Red Cedar	712.08	36.71
		For Arched Tops, Add	*150.00*	
10 71 13 13-0114	PR	15" x 47" Louver Shutter, Heavy-Duty Red Cedar	753.42	38.38
		For Arched Tops, Add	*150.00*	
10 71 13 13-0115	PR	15" x 51-1/2" Louver Shutter, Heavy-Duty Red Cedar	814.32	40.05
		For Arched Tops, Add	*150.00*	
10 71 13 13-0116	PR	15" x 56" Louver Shutter, Heavy-Duty Red Cedar	875.22	41.72
		For Arched Tops, Add	*150.00*	
10 71 13 13-0117	PR	15" x 59" Louver Shutter, Heavy-Duty Red Cedar	916.57	43.38
		For Arched Tops, Add	*150.00*	
10 71 13 13-0118	PR	15" x 63-1/2" Louver Shutter, Heavy-Duty Red Cedar	977.46	45.05
		For Arched Tops, Add	*150.00*	
10 71 13 13-0119	PR	15" x 68" Louver Shutter, Heavy-Duty Red Cedar	1,038.38	46.72
		For Arched Tops, Add	*150.00*	
10 71 13 13-0120	PR	15" x 72-1/2" Louver Shutter, Heavy-Duty Red Cedar	1,099.29	48.39
		For Arched Tops, Add	*150.00*	
10 71 13 13-0121	PR	15" x 75-1/2" Louver Shutter, Heavy-Duty Red Cedar	1,140.62	50.06
		For Arched Tops, Add	*150.00*	
10 71 13 13-0122	PR	15" x 80" Louver Shutter, Heavy-Duty Red Cedar	1,201.52	51.73
		For Arched Tops, Add	*150.00*	
10 71 13 13-0123	PR	15" x 83" Louver Shutter, Heavy-Duty Red Cedar	1,242.86	53.40
		For Arched Tops, Add	*150.00*	
10 71 13 13-0124		**16" Width** *(10 71 13 13-0081)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0125	PR	16" x 36-1/2" Louver Shutter, Heavy-Duty Red Cedar	641.56	33.38
		For Arched Tops, Add	*150.00*	
10 71 13 13-0126	PR	16" x 39-1/2" Louver Shutter, Heavy-Duty Red Cedar	674.64	35.05
		For Arched Tops, Add	*150.00*	
10 71 13 13-0127	PR	16" x 44" Louver Shutter, Heavy-Duty Red Cedar	750.33	36.71
		For Arched Tops, Add	*150.00*	
10 71 13 13-0128	PR	16" x 47" Louver Shutter, Heavy-Duty Red Cedar	794.28	38.38
		For Arched Tops, Add	*150.00*	
10 71 13 13-0129	PR	16" x 51-1/2" Louver Shutter, Heavy-Duty Red Cedar	859.09	40.05
		For Arched Tops, Add	*150.00*	
10 71 13 13-0130	PR	16" x 56" Louver Shutter, Heavy-Duty Red Cedar	923.90	41.72
		For Arched Tops, Add	*150.00*	
10 71 13 13-0131	PR	16" x 59" Louver Shutter, Heavy-Duty Red Cedar	967.86	43.38
		For Arched Tops, Add	*150.00*	
10 71 13 13-0132	PR	16" x 63-1/2" Louver Shutter, Heavy-Duty Red Cedar	1,032.66	45.05
		For Arched Tops, Add	*150.00*	
10 71 13 13-0133	PR	16" x 68" Louver Shutter, Heavy-Duty Red Cedar	1,097.49	46.72
		For Arched Tops, Add	*150.00*	
10 71 13 13-0134	PR	16" x 72-1/2" Louver Shutter, Heavy-Duty Red Cedar	1,162.31	48.39
		For Arched Tops, Add	*150.00*	
10 71 13 13-0135	PR	16" x 75-1/2" Louver Shutter, Heavy-Duty Red Cedar	1,206.26	50.06
		For Arched Tops, Add	*150.00*	
10 71 13 13-0136	PR	16" x 80" Louver Shutter, Heavy-Duty Red Cedar	1,271.07	51.73
		For Arched Tops, Add	*150.00*	
10 71 13 13-0137	PR	16" x 83" Louver Shutter, Heavy-Duty Red Cedar	1,315.01	53.40
		For Arched Tops, Add	*150.00*	
10 71 13 13-0138		**18" Width** *(10 71 13 13-0081)*		
10 71 13 13-0139	PR	18" x 36-1/2" Louver Shutter, Heavy-Duty Red Cedar	705.02	33.38
		For Arched Tops, Add	*150.00*	
10 71 13 13-0140	PR	18" x 39-1/2" Louver Shutter, Heavy-Duty Red Cedar	754.18	35.05
		For Arched Tops, Add	*150.00*	
10 71 13 13-0141	PR	18" x 44" Louver Shutter, Heavy-Duty Red Cedar	826.83	36.71
		For Arched Tops, Add	*150.00*	
10 71 13 13-0142	PR	18" x 47" Louver Shutter, Heavy-Duty Red Cedar	875.99	38.38
		For Arched Tops, Add	*150.00*	
10 71 13 13-0143	PR	18" x 51-1/2" Louver Shutter, Heavy-Duty Red Cedar	948.62	40.05
		For Arched Tops, Add	*150.00*	
10 71 13 13-0144	PR	18" x 56" Louver Shutter, Heavy-Duty Red Cedar	1,021.27	41.72
		For Arched Tops, Add	*150.00*	
10 71 13 13-0145	PR	18" x 59" Louver Shutter, Heavy-Duty Red Cedar	1,070.44	43.38
		For Arched Tops, Add	*150.00*	
10 71 13 13-0146	PR	18" x 63-1/2" Louver Shutter, Heavy-Duty Red Cedar	1,143.06	45.05
		For Arched Tops, Add	*150.00*	
10 71 13 13-0147	PR	18" x 68" Louver Shutter, Heavy-Duty Red Cedar	1,215.72	46.72
		For Arched Tops, Add	*150.00*	
10 71 13 13-0148	PR	18" x 72-1/2" Louver Shutter, Heavy-Duty Red Cedar	1,288.36	48.39
		For Arched Tops, Add	*150.00*	
10 71 13 13-0149	PR	18" x 75-1/2" Louver Shutter, Heavy-Duty Red Cedar	1,337.52	50.06
		For Arched Tops, Add	*150.00*	
10 71 13 13-0150	PR	18" x 80" Louver Shutter, Heavy-Duty Red Cedar	1,410.15	51.73
		For Arched Tops, Add	*150.00*	
10 71 13 13-0151	PR	18" x 83" Louver Shutter, Heavy-Duty Red Cedar	1,459.32	53.40
		For Arched Tops, Add	*150.00*	
10 71 13 13-0152		**Exterior Cypress Fixed Louver Wood Shutters** *(10 71 13 13)*		
10 71 13 13-0153		**6" Through 8" Width** *(10 71 13 13-0152)*		
10 71 13 13-0154	PR	6" Thru 8" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter	642.59	31.71
		For Arched Tops, Add	*65.00*	
10 71 13 13-0155	PR	6" Thru 8" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter	723.61	32.59
		For Arched Tops, Add	*65.00*	
10 71 13 13-0156	PR	6" Thru 8" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter	804.87	33.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0157	PR	6" Thru 8" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter	887.11	35.05
		For Arched Tops, Add	*65.00*	
10 71 13 13-0158	PR	6" Thru 8" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter	969.39	36.71
		For Arched Tops, Add	*65.00*	
10 71 13 13-0159	PR	6" Thru 8" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter	1,051.65	38.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0160	PR	6" Thru 8" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter	1,133.90	40.05
		For Arched Tops, Add	*65.00*	
10 71 13 13-0161	PR	6" Thru 8" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter	1,216.17	41.72
		For Arched Tops, Add	*65.00*	
10 71 13 13-0162	PR	6" Thru 8" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter	1,298.45	43.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0163	PR	6" Thru 8" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter	1,380.68	45.05
		For Arched Tops, Add	*65.00*	
10 71 13 13-0164	PR	6" Thru 8" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter	1,462.96	46.72
		For Arched Tops, Add	*65.00*	
10 71 13 13-0165	PR	6" Thru 8" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter	1,545.24	48.39
		For Arched Tops, Add	*65.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0166	PR	6" Thru 8" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter	1,627.50	50.06
		For Arched Tops, Add	*65.00*	
10 71 13 13-0167	PR	6" Thru 8" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter	1,709.77	51.73
		For Arched Tops, Add	*65.00*	

10 71 13 13-0168 10" Through 12" Width *(10 71 13 13-0152)*

10 71 13 13-0169	PR	10" Thru 12" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter	748.52	31.71
		For Arched Tops, Add	*65.00*	
10 71 13 13-0170	PR	10" Thru 12" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter	843.76	32.59
		For Arched Tops, Add	*65.00*	
10 71 13 13-0171	PR	10" Thru 12" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter	939.06	33.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0172	PR	10" Thru 12" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter	1,035.45	35.05
		For Arched Tops, Add	*65.00*	
10 71 13 13-0173	PR	10" Thru 12" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter	1,131.82	36.71
		For Arched Tops, Add	*65.00*	
10 71 13 13-0174	PR	10" Thru 12" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter	1,228.21	38.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0175	PR	10" Thru 12" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter	1,324.61	40.05
		For Arched Tops, Add	*65.00*	
10 71 13 13-0176	PR	10" Thru 12" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter	1,420.98	41.72
		For Arched Tops, Add	*65.00*	
10 71 13 13-0177	PR	10" Thru 12" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter	1,517.38	43.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0178	PR	10" Thru 12" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter	1,613.77	45.05
		For Arched Tops, Add	*65.00*	
10 71 13 13-0179	PR	10" Thru 12" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter	1,710.15	46.72
		For Arched Tops, Add	*65.00*	
10 71 13 13-0180	PR	10" Thru 12" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter	1,806.55	48.39
		For Arched Tops, Add	*65.00*	
10 71 13 13-0181	PR	10" Thru 12" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter	1,902.91	50.06
		For Arched Tops, Add	*65.00*	
10 71 13 13-0182	PR	10" Thru 12" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter	1,999.31	51.73
		For Arched Tops, Add	*65.00*	

10 71 13 13-0183 14" Through 16" Width *(10 71 13 13-0152)*

10 71 13 13-0184	PR	14" Thru 16" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter	983.92	31.71
		For Arched Tops, Add	*65.00*	
10 71 13 13-0185	PR	14" Thru 16" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter	1,110.58	32.59
		For Arched Tops, Add	*65.00*	
10 71 13 13-0186	PR	14" Thru 16" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter	1,237.22	33.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0187	PR	14" Thru 16" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter	1,364.99	35.05
		For Arched Tops, Add	*65.00*	
10 71 13 13-0188	PR	14" Thru 16" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter	1,492.78	36.71
		For Arched Tops, Add	*65.00*	
10 71 13 13-0189	PR	14" Thru 16" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter	1,620.55	38.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0190	PR	14" Thru 16" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter	1,748.33	40.05
		For Arched Tops, Add	*65.00*	
10 71 13 13-0191	PR	14" Thru 16" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter	1,876.11	41.72
		For Arched Tops, Add	*65.00*	
10 71 13 13-0192	PR	14" Thru 16" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter	1,878.34	43.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0193	PR	14" Thru 16" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter	2,131.66	45.05
		For Arched Tops, Add	*65.00*	
10 71 13 13-0194	PR	14" Thru 16" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter	2,259.45	46.72
		For Arched Tops, Add	*65.00*	
10 71 13 13-0195	PR	14" Thru 16" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter	2,387.21	48.39
		For Arched Tops, Add	*65.00*	
10 71 13 13-0196	PR	14" Thru 16" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter	2,514.98	50.06
		For Arched Tops, Add	*65.00*	
10 71 13 13-0197	PR	14" Thru 16" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter	2,642.75	51.73
		For Arched Tops, Add	*65.00*	

10 71 13 13-0198 18" Through 20" Width *(10 71 13 13-0152)*

10 71 13 13-0199	PR	18" Thru 20" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter	1,101.61	31.71
		For Arched Tops, Add	*65.00*	
10 71 13 13-0200	PR	18" Thru 20" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter	1,243.97	32.59
		For Arched Tops, Add	*65.00*	
10 71 13 13-0201	PR	18" Thru 20" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter	1,386.32	33.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0202	PR	18" Thru 20" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter	1,528.48	35.05
		For Arched Tops, Add	*65.00*	
10 71 13 13-0203	PR	18" Thru 20" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter	1,673.26	36.71
		For Arched Tops, Add	*65.00*	
10 71 13 13-0204	PR	18" Thru 20" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter	1,816.74	38.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0205	PR	18" Thru 20" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter	1,960.18	40.05
		For Arched Tops, Add	*65.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0206	PR	18" Thru 20" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter	2,103.68	41.72
		For Arched Tops, Add	*65.00*	
10 71 13 13-0207	PR	18" Thru 20" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter	2,247.13	43.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0208	PR	18" Thru 20" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter	2,390.61	45.05
		For Arched Tops, Add	*65.00*	
10 71 13 13-0209	PR	18" Thru 20" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter	2,534.07	46.72
		For Arched Tops, Add	*65.00*	
10 71 13 13-0210	PR	18" Thru 20" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter	2,677.56	48.39
		For Arched Tops, Add	*65.00*	
10 71 13 13-0211	PR	18" Thru 20" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter	2,821.01	50.06
		For Arched Tops, Add	*65.00*	
10 71 13 13-0212	PR	18" Thru 20" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter	2,964.49	51.73
		For Arched Tops, Add	*65.00*	

10 71 13 13-0213 22" Through 24" Width *(10 71 13 13-0152)*

10 71 13 13-0214	PR	22" Thru 24" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter	1,454.73	31.71
		For Arched Tops, Add	*65.00*	
10 71 13 13-0215	PR	22" Thru 24" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter	1,644.14	32.59
		For Arched Tops, Add	*65.00*	
10 71 13 13-0216	PR	22" Thru 24" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter	1,833.61	33.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0217	PR	22" Thru 24" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter	2,024.15	35.05
		For Arched Tops, Add	*65.00*	
10 71 13 13-0218	PR	22" Thru 24" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter	2,214.69	36.71
		For Arched Tops, Add	*65.00*	
10 71 13 13-0219	PR	22" Thru 24" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter	2,405.26	38.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0220	PR	22" Thru 24" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter	2,595.79	40.05
		For Arched Tops, Add	*65.00*	
10 71 13 13-0221	PR	22" Thru 24" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter	2,786.34	41.72
		For Arched Tops, Add	*65.00*	
10 71 13 13-0222	PR	22" Thru 24" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter	2,976.92	43.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0223	PR	22" Thru 24" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter	3,167.44	45.05
		For Arched Tops, Add	*65.00*	
10 71 13 13-0224	PR	22" Thru 24" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter	3,358.00	46.72
		For Arched Tops, Add	*65.00*	
10 71 13 13-0225	PR	22" Thru 24" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter	3,548.58	48.39
		For Arched Tops, Add	*65.00*	
10 71 13 13-0226	PR	22" Thru 24" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter	3,739.11	50.06
		For Arched Tops, Add	*65.00*	
10 71 13 13-0227	PR	22" Thru 24" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter	3,929.65	51.73
		For Arched Tops, Add	*65.00*	

10 71 13 13-0228 26" Through 28" Width *(10 71 13 13-0152)*

10 71 13 13-0229	PR	26" Thru 28" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter	1,666.59	31.71
		For Arched Tops, Add	*65.00*	
10 71 13 13-0230	PR	26" Thru 28" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter	1,884.25	32.59
		For Arched Tops, Add	*65.00*	
10 71 13 13-0231	PR	26" Thru 28" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter	2,101.97	33.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0232	PR	26" Thru 28" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter	2,320.76	35.05
		For Arched Tops, Add	*65.00*	
10 71 13 13-0233	PR	26" Thru 28" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter	2,539.56	36.71
		For Arched Tops, Add	*65.00*	
10 71 13 13-0234	PR	26" Thru 28" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter	2,758.38	38.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0235	PR	26" Thru 28" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter	2,977.17	40.05
		For Arched Tops, Add	*65.00*	
10 71 13 13-0236	PR	26" Thru 28" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter	3,195.96	41.72
		For Arched Tops, Add	*65.00*	
10 71 13 13-0237	PR	26" Thru 28" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter	3,414.79	43.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0238	PR	26" Thru 28" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter	3,633.54	45.05
		For Arched Tops, Add	*65.00*	
10 71 13 13-0239	PR	26" Thru 28" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter	3,852.35	46.72
		For Arched Tops, Add	*65.00*	
10 71 13 13-0240	PR	26" Thru 28" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter	4,071.18	48.39
		For Arched Tops, Add	*65.00*	
10 71 13 13-0241	PR	26" Thru 28" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter	4,289.96	50.06
		For Arched Tops, Add	*65.00*	
10 71 13 13-0242	PR	26" Thru 28" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter	4,508.72	51.73
		For Arched Tops, Add	*65.00*	

10 71 13 13-0243 Pine Louvered Shutters *(10 71 13 13)*

10 71 13 13-0244 12" Width *(10 71 13 13-0243)*

10 71 13 13-0245	PR	12" x 35" Pine Louvered Shutter	366.87	33.38
		For Arched Tops, Add	*65.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0246	PR	12" x 39" Pine Louvered Shutter	382.74	35.05
		For Arched Tops, Add	*65.00*	
10 71 13 13-0247	PR	12" x 43" Pine Louvered Shutter	398.44	36.71
		For Arched Tops, Add	*65.00*	
10 71 13 13-0248	PR	12" x 47" Pine Louvered Shutter	414.21	38.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0249	PR	12" x 51" Pine Louvered Shutter	429.91	40.05
		For Arched Tops, Add	*65.00*	
10 71 13 13-0250	PR	12" x 55" Pine Louvered Shutter	445.68	41.72
		For Arched Tops, Add	*65.00*	
10 71 13 13-0251	PR	12" x 59" Pine Louvered Shutter	461.49	43.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0252	PR	12" x 63" Pine Louvered Shutter	477.36	45.05
		For Arched Tops, Add	*65.00*	
10 71 13 13-0253	PR	12" x 67" Pine Louvered Shutter	493.15	46.72
		For Arched Tops, Add	*65.00*	
10 71 13 13-0254	PR	12" x 71" Pine Louvered Shutter	508.96	48.39
		For Arched Tops, Add	*65.00*	
10 71 13 13-0255	PR	12" x 75" Pine Louvered Shutter	524.73	50.06
		For Arched Tops, Add	*65.00*	
10 71 13 13-0256		**14" Width** *(10 71 13 13-0243)*		
10 71 13 13-0257	PR	14" x 35" Pine Louvered Shutter	405.80	33.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0258	PR	14" x 39" Pine Louvered Shutter	423.45	35.05
		For Arched Tops, Add	*65.00*	
10 71 13 13-0259	PR	14" x 43" Pine Louvered Shutter	440.82	36.71
		For Arched Tops, Add	*65.00*	
10 71 13 13-0260	PR	14" x 47" Pine Louvered Shutter	458.36	38.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0261	PR	14" x 51" Pine Louvered Shutter	475.76	40.05
		For Arched Tops, Add	*65.00*	
10 71 13 13-0262	PR	14" x 55" Pine Louvered Shutter	493.13	41.72
		For Arched Tops, Add	*65.00*	
10 71 13 13-0263	PR	14" x 59" Pine Louvered Shutter	510.65	43.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0264	PR	14" x 63" Pine Louvered Shutter	528.14	45.05
		For Arched Tops, Add	*65.00*	
10 71 13 13-0265	PR	14" x 67" Pine Louvered Shutter	545.56	46.72
		For Arched Tops, Add	*65.00*	
10 71 13 13-0266	PR	14" x 71" Pine Louvered Shutter	563.04	48.39
		For Arched Tops, Add	*65.00*	
10 71 13 13-0267	PR	14" x 75" Pine Louvered Shutter	580.58	50.06
		For Arched Tops, Add	*65.00*	
10 71 13 13-0268		**15" Width** *(10 71 13 13-0243)*		
10 71 13 13-0269	PR	15" x 35" Pine Louvered Shutter	424.82	33.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0270	PR	15" x 39" Pine Louvered Shutter	443.12	35.05
		For Arched Tops, Add	*65.00*	
10 71 13 13-0271	PR	15" x 43" Pine Louvered Shutter	461.50	36.71
		For Arched Tops, Add	*65.00*	
10 71 13 13-0272	PR	15" x 47" Pine Louvered Shutter	479.73	38.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0273	PR	15" x 51" Pine Louvered Shutter	498.07	40.05
		For Arched Tops, Add	*65.00*	
10 71 13 13-0274	PR	15" x 55" Pine Louvered Shutter	516.38	41.72
		For Arched Tops, Add	*65.00*	
10 71 13 13-0275	PR	15" x 59" Pine Louvered Shutter	534.73	43.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0276	PR	15" x 63" Pine Louvered Shutter	552.99	45.05
		For Arched Tops, Add	*65.00*	
10 71 13 13-0277	PR	15" x 67" Pine Louvered Shutter	571.27	46.72
		For Arched Tops, Add	*65.00*	
10 71 13 13-0278	PR	15" x 71" Pine Louvered Shutter	589.55	48.39
		For Arched Tops, Add	*65.00*	
10 71 13 13-0279	PR	15" x 75" Pine Louvered Shutter	607.89	50.06
		For Arched Tops, Add	*65.00*	
10 71 13 13-0280	PR	15" x 81" Pine Louvered Shutter	634.23	51.73
		For Arched Tops, Add	*65.00*	
10 71 13 13-0281		**16" Width** *(10 71 13 13-0243)*		
10 71 13 13-0282	PR	16" x 35" Pine Louvered Shutter	442.93	33.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0283	PR	16" x 39" Pine Louvered Shutter	462.79	35.05
		For Arched Tops, Add	*65.00*	
10 71 13 13-0284	PR	16" x 43" Pine Louvered Shutter	482.84	36.71
		For Arched Tops, Add	*65.00*	
10 71 13 13-0285	PR	16" x 47" Pine Louvered Shutter	502.81	38.38
		For Arched Tops, Add	*65.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0286	PR	16" x 51" Pine Louvered Shutter	522.81	40.05
		For Arched Tops, Add	*65.00*	
10 71 13 13-0287	PR	16" x 55" Pine Louvered Shutter	542.79	41.72
		For Arched Tops, Add	*65.00*	
10 71 13 13-0288	PR	16" x 59" Pine Louvered Shutter	562.66	43.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0289	PR	16" x 63" Pine Louvered Shutter	582.69	45.05
		For Arched Tops, Add	*65.00*	
10 71 13 13-0290	PR	16" x 67" Pine Louvered Shutter	602.68	46.72
		For Arched Tops, Add	*65.00*	
10 71 13 13-0291	PR	16" x 71" Pine Louvered Shutter	622.69	48.39
		For Arched Tops, Add	*65.00*	
10 71 13 13-0292	PR	16" x 75" Pine Louvered Shutter	642.66	50.06
		For Arched Tops, Add	*65.00*	
10 71 13 13-0293	PR	16" x 81" Pine Louvered Shutter	662.52	51.73
		For Arched Tops, Add	*65.00*	
10 71 13 13-0294		**18" Width** *(10 71 13 13-0243)*		
10 71 13 13-0295	PR	18" x 35" Pine Louvered Shutter	482.77	33.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0296	PR	18" x 39" Pine Louvered Shutter	508.61	35.05
		For Arched Tops, Add	*65.00*	
10 71 13 13-0297	PR	18" x 47" Pine Louvered Shutter	552.94	38.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0298	PR	18" x 55" Pine Louvered Shutter	597.37	41.72
		For Arched Tops, Add	*65.00*	
10 71 13 13-0299	PR	18" x 63" Pine Louvered Shutter	641.77	45.05
		For Arched Tops, Add	*65.00*	
10 71 13 13-0300	PR	18" x 75" Pine Louvered Shutter	738.36	50.06
		For Arched Tops, Add	*65.00*	
10 71 13 13-0301	PR	18" x 81" Pine Louvered Shutter	765.57	51.73
		For Arched Tops, Add	*65.00*	
10 71 13 13-0302		**Exterior Cedar Board N' Batten Wood Shutters** *(10 71 13 13)*		
10 71 13 13-0303		**8" Through 14" Width** *(10 71 13 13-0302)*		
10 71 13 13-0304	PR	8" Thru 14" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter	733.77	31.71
		For Arched Tops, Add	*65.00*	
10 71 13 13-0305	PR	8" Thru 14" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter	965.36	32.59
		For Arched Tops, Add	*65.00*	
10 71 13 13-0306	PR	8" Thru 14" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter	966.48	33.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0307	PR	8" Thru 14" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter	1,199.20	35.05
		For Arched Tops, Add	*65.00*	
10 71 13 13-0308	PR	8" Thru 14" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter	1,201.43	36.71
		For Arched Tops, Add	*65.00*	
10 71 13 13-0309	PR	8" Thru 14" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter	1,203.65	38.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0310	PR	8" Thru 14" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter	1,436.38	40.05
		For Arched Tops, Add	*65.00*	
10 71 13 13-0311	PR	8" Thru 14" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter	1,438.60	41.72
		For Arched Tops, Add	*65.00*	
10 71 13 13-0312	PR	8" Thru 14" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter	1,440.83	43.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0313	PR	8" Thru 14" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter	1,673.54	45.05
		For Arched Tops, Add	*65.00*	
10 71 13 13-0314	PR	8" Thru 14" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter	1,675.77	46.72
		For Arched Tops, Add	*65.00*	
10 71 13 13-0315	PR	8" Thru 14" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter	1,908.50	48.39
		For Arched Tops, Add	*65.00*	
10 71 13 13-0316	PR	8" Thru 14" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter	1,910.72	50.06
		For Arched Tops, Add	*65.00*	
10 71 13 13-0317	PR	8" Thru 14" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter	1,912.94	51.73
		For Arched Tops, Add	*65.00*	
10 71 13 13-0318	PR	8" Thru 14" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter	1,915.17	53.40
		For Arched Tops, Add	*65.00*	
10 71 13 13-0319		**15" Through 16" Width** *(10 71 13 13-0302)*		
10 71 13 13-0320	PR	15" Thru 16" Width x Through 30" Height Cedar Board N' Batten Wood Shutter	964.26	31.71
		For Arched Tops, Add	*65.00*	
10 71 13 13-0321	PR	15" Thru 16" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter	965.36	32.59
		For Arched Tops, Add	*65.00*	
10 71 13 13-0322	PR	15" Thru 16" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter	1,196.98	33.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0323	PR	15" Thru 16" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter	1,199.20	35.05
		For Arched Tops, Add	*65.00*	
10 71 13 13-0324	PR	15" Thru 16" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter	1,431.93	36.71
		For Arched Tops, Add	*65.00*	
10 71 13 13-0325	PR	15" Thru 16" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter	1,434.15	38.38
		For Arched Tops, Add	*65.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0326	PR	15" Thru 16" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter	1,436.37	40.05
		For Arched Tops, Add	*65.00*	
10 71 13 13-0327	PR	15" Thru 16" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter	1,669.09	41.72
		For Arched Tops, Add	*65.00*	
10 71 13 13-0328	PR	15" Thru 16" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter	1,671.32	43.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0329	PR	15" Thru 16" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter	1,904.03	45.05
		For Arched Tops, Add	*65.00*	
10 71 13 13-0330	PR	15" Thru 16" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter	1,906.27	46.72
		For Arched Tops, Add	*65.00*	
10 71 13 13-0331	PR	15" Thru 16" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter	2,138.99	48.39
		For Arched Tops, Add	*65.00*	
10 71 13 13-0332	PR	15" Thru 16" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter	2,141.21	50.06
		For Arched Tops, Add	*65.00*	
10 71 13 13-0333	PR	15" Thru 16" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter	2,373.93	51.73
		For Arched Tops, Add	*65.00*	
10 71 13 13-0334	PR	15" Thru 16" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter	2,376.15	53.40
		For Arched Tops, Add	*65.00*	

10 71 13 13-0335 17" Through 18" Width *(10 71 13 13-0302)*

10 71 13 13-0336	PR	17" Thru 18" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter	964.26	31.71
		For Arched Tops, Add	*65.00*	
10 71 13 13-0337	PR	17" Thru 18" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter	1,195.86	32.59
		For Arched Tops, Add	*65.00*	
10 71 13 13-0338	PR	17" Thru 18" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter	1,196.98	33.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0339	PR	17" Thru 18" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter	1,429.70	35.05
		For Arched Tops, Add	*65.00*	
10 71 13 13-0340	PR	17" Thru 18" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter	1,431.93	36.71
		For Arched Tops, Add	*65.00*	
10 71 13 13-0341	PR	17" Thru 18" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter	1,664.64	38.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0342	PR	17" Thru 18" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter	1,666.86	40.05
		For Arched Tops, Add	*65.00*	
10 71 13 13-0343	PR	17" Thru 18" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter	1,899.59	41.72
		For Arched Tops, Add	*65.00*	
10 71 13 13-0344	PR	17" Thru 18" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter	1,901.82	43.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0345	PR	17" Thru 18" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter	2,134.52	45.05
		For Arched Tops, Add	*65.00*	
10 71 13 13-0346	PR	17" Thru 18" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter	2,136.76	46.72
		For Arched Tops, Add	*65.00*	
10 71 13 13-0347	PR	17" Thru 18" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter	2,369.49	48.39
		For Arched Tops, Add	*65.00*	
10 71 13 13-0348	PR	17" Thru 18" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter	2,371.71	50.06
		For Arched Tops, Add	*65.00*	
10 71 13 13-0349	PR	17" Thru 18" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter	2,604.43	51.73
		For Arched Tops, Add	*65.00*	
10 71 13 13-0350	PR	17" Thru 18" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter	2,606.65	53.40
		For Arched Tops, Add	*65.00*	

10 71 13 13-0351 19" Through 20" Width *(10 71 13 13-0302)*

10 71 13 13-0352	PR	19" Thru 20" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter	1,194.76	31.71
		For Arched Tops, Add	*65.00*	
10 71 13 13-0353	PR	19" Thru 20" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter	1,195.86	32.59
		For Arched Tops, Add	*65.00*	
10 71 13 13-0354	PR	19" Thru 20" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter	1,427.48	33.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0355	PR	19" Thru 20" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter	1,429.70	35.05
		For Arched Tops, Add	*65.00*	
10 71 13 13-0356	PR	19" Thru 20" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter	1,662.42	36.71
		For Arched Tops, Add	*65.00*	
10 71 13 13-0357	PR	19" Thru 20" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter	1,664.64	38.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0358	PR	19" Thru 20" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter	1,897.36	40.05
		For Arched Tops, Add	*65.00*	
10 71 13 13-0359	PR	19" Thru 20" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter	2,130.08	41.72
		For Arched Tops, Add	*65.00*	
10 71 13 13-0360	PR	19" Thru 20" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter	2,132.31	43.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0361	PR	19" Thru 20" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter	2,365.02	45.05
		For Arched Tops, Add	*65.00*	
10 71 13 13-0362	PR	19" Thru 20" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter	2,367.26	46.72
		For Arched Tops, Add	*65.00*	
10 71 13 13-0363	PR	19" Thru 20" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter	2,599.99	48.39
		For Arched Tops, Add	*65.00*	
10 71 13 13-0364	PR	19" Thru 20" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter	2,602.21	50.06
		For Arched Tops, Add	*65.00*	
10 71 13 13-0365	PR	19" Thru 20" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter	2,834.92	51.73
		For Arched Tops, Add	*65.00*	
10 71 13 13-0366	PR	19" Thru 20" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter	2,837.14	53.40
		For Arched Tops, Add	*65.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 71 13 13-0367 21" Through 22" Width *(10 71 13 13-0302)*

10 71 13 13-0368	PR	21" Thru 22" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter	1,194.76	31.71
		For Arched Tops, Add	*65.00*	
10 71 13 13-0369	PR	21" Thru 22" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter	1,195.86	32.59
		For Arched Tops, Add	*65.00*	
10 71 13 13-0370	PR	21" Thru 22" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter	1,427.48	33.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0371	PR	21" Thru 22" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter	1,660.19	35.05
		For Arched Tops, Add	*65.00*	
10 71 13 13-0372	PR	21" Thru 22" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter	1,662.42	36.71
		For Arched Tops, Add	*65.00*	
10 71 13 13-0373	PR	21" Thru 22" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter	1,895.14	38.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0374	PR	21" Thru 22" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter	1,897.36	40.05
		For Arched Tops, Add	*65.00*	
10 71 13 13-0375	PR	21" Thru 22" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter	2,130.08	41.72
		For Arched Tops, Add	*65.00*	
10 71 13 13-0376	PR	21" Thru 22" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter	2,362.81	43.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0377	PR	21" Thru 22" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter	2,365.02	45.05
		For Arched Tops, Add	*65.00*	
10 71 13 13-0378	PR	21" Thru 22" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter	2,597.76	46.72
		For Arched Tops, Add	*65.00*	
10 71 13 13-0379	PR	21" Thru 22" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter	2,599.99	48.39
		For Arched Tops, Add	*65.00*	
10 71 13 13-0380	PR	21" Thru 22" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter	2,832.70	50.06
		For Arched Tops, Add	*65.00*	
10 71 13 13-0381	PR	21" Thru 22" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter	2,834.92	51.73
		For Arched Tops, Add	*65.00*	
10 71 13 13-0382	PR	21" Thru 22" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter	2,837.14	53.40
		For Arched Tops, Add	*65.00*	

10 71 13 13-0383 22" Through 24" Width *(10 71 13 13-0302)*

10 71 13 13-0384	PR	22" Thru 24" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter	1,194.76	31.71
		For Arched Tops, Add	*65.00*	
10 71 13 13-0385	PR	22" Thru 24" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter	1,426.36	32.59
		For Arched Tops, Add	*65.00*	
10 71 13 13-0386	PR	22" Thru 24" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter	1,427.48	33.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0387	PR	22" Thru 24" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter	1,660.19	35.05
		For Arched Tops, Add	*65.00*	
10 71 13 13-0388	PR	22" Thru 24" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter	1,892.92	36.71
		For Arched Tops, Add	*65.00*	
10 71 13 13-0389	PR	22" Thru 24" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter	1,895.14	38.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0390	PR	22" Thru 24" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter	2,127.85	40.05
		For Arched Tops, Add	*65.00*	
10 71 13 13-0391	PR	22" Thru 24" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter	2,130.08	41.72
		For Arched Tops, Add	*65.00*	
10 71 13 13-0392	PR	22" Thru 24" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter	2,362.81	43.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0393	PR	22" Thru 24" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter	2,595.52	45.05
		For Arched Tops, Add	*65.00*	
10 71 13 13-0394	PR	22" Thru 24" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter	2,597.76	46.72
		For Arched Tops, Add	*65.00*	
10 71 13 13-0395	PR	22" Thru 24" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter	2,830.48	48.39
		For Arched Tops, Add	*65.00*	
10 71 13 13-0396	PR	22" Thru 24" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter	2,832.70	50.06
		For Arched Tops, Add	*65.00*	
10 71 13 13-0397	PR	22" Thru 24" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter	3,065.42	51.73
		For Arched Tops, Add	*65.00*	
10 71 13 13-0398	PR	22" Thru 24" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter	3,067.64	53.40
		For Arched Tops, Add	*65.00*	

10 71 13 13-0399 Accessories *(10 71 13 13)*

10 71 13 13-0400	PR	Surface Mounted Pintel, Stainless Steel	67.82
10 71 13 13-0401	PR	Lag Pintel, Stainless Steel	67.82
10 71 13 13-0402	PR	10" Strap Hinge, Stainless Steel	101.81
10 71 13 13-0403	PR	6" L-Hinge, Stainless Steel	94.02
10 71 13 13-0404	PR	Hinge Set, Galvanized And Painted	85.09
10 71 13 13-0405	PR	Acorn Holdback	79.01
10 71 13 13-0406	PR	'S' Holdback, Stainless Steel	66.40
10 71 13 13-0407	PR	'S' Holdback, Galvanized And Painted	62.51

10 73 Protective Covers *(10 70)*

10 73 13 Awnings *(10 73)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 73 13 13 Metal Awnings *(10 73 13)*

10 73 13 13-0001 Metal Awnings *(10 73 13 13)*

Note: Includes metal cover, frame supports and anchoring.

10 73 13 13-0002	SF	Clear Weather Resistant Finish, Ribbed Aluminum Window Awnings	80.17	9.19
10 73 13 13-0003	SF	Baked Enamel Finish, Ribbed Aluminum Window Awning	70.89	8.24
10 73 13 13-0004	SF	Flat Roofed Steel Awning Note: Per SF of covered area	223.97	9.54
10 73 13 13-0005	SF	Arched Roofed Steel Awning (Per SF Of Covered Area)	231.15	10.74

10 73 13 23 Fabric Awnings *(10 73 13)*

10 73 13 23-0001 Canvas Awnings *(10 73 13 23)*

Note: Includes minimum 12 oz. canvas, frame supports and anchoring.

10 73 13 23-0002	SF	Canvas Awning, Waterproof Fabric Tubular Metal Framing	77.47	7.67
10 73 13 23-0003	SF	Side Protection Canvas For Walkways (Per SF Of Wall Area)	44.51	2.47
10 73 13 23-0004	SF	Removal And Replacement Of Canvas For Awnings Note: Includes removal of existing canvas cover.	28.42	
		For 18 Oz. Vinyl Laminated Polyester Cover, Add	*0.98*	

10 73 16 Canopies *(10 73)*

10 73 16 13 Metal Canopies *(10 73 16)*

10 73 16 13-0001 Canopies, Wall Hung, Aluminum Framed And Covered, Prefinished *(10 73 16 13)*

Note: Includes cover, frame supports and anchoring.

10 73 16 13-0002	EA	8' x 10' Canopy, Aluminum, Wall Hung	7,326.46	513.89
10 73 16 13-0003	EA	8' x 20' Canopy, Aluminum, Wall Hung	13,623.90	822.42
10 73 16 13-0004	EA	10' x 10' Canopy, Aluminum, Wall Hung	9,016.43	642.98
10 73 16 13-0005	EA	10' x 20' Canopy, Aluminum, Wall Hung	16,612.34	859.80

10 73 26 Walkway Coverings *(10 73)*

Note: Pre-engineered includes all framing and steel supports, integral gutter system. Excludes foundations.

10 73 26 13 Metal Walkway Coverings *(10 73 26)*

10 73 26 13-0001 Steel Walkway/Parking Covers *(10 73 26 13)*

Note: Factory applied polyester finish.

10 73 26 13-0002	SF	Flat Roofed Steel Walkway/Parking Cover Note: Includes factory applied polyester finish.	110.78	7.46
		For Snow Load (30 PSF), Add	*38.34*	
		For Wind Load (140 MPH), Add	*47.93*	
10 73 26 13-0003	SF	Arch Roofed Steel Walkway/Parking Cover Note: Includes factory applied polyester finish.	117.93	8.04
		For Snow Load (30 PSF), Add	*40.74*	
		For Wind Load (140 MPH), Add	*50.93*	

10 73 26 13-0004 Aluminum Walkway/Parking Covers *(10 73 26 13)*

10 73 26 13-0005	SF	Flat Roofed Aluminum Walkway/Parking Cover Note: Includes factory applied polyester finish.	70.87	7.46
		For Snow Load (30 PSF), Add	*22.38*	
		For Wind Load (140 MPH), Add	*27.97*	
10 73 26 13-0006	SF	Arch Roofed Aluminum Walkway/Parking Cover Note: Includes factory applied polyester finish.	77.11	8.04
		For Snow Load (30 PSF), Add	*24.41*	
		For Wind Load (140 MPH), Add	*30.52*	

10 75 Flagpoles *(10 70)*

Note: Metal bases are installed in a concrete base and fully rigged. Heights indicated are from ground to top of installed flag pole. Uninstalled lengths are longer. Includes top ball (color and material similar to pole), cleats and cleat cover, all caulking and sealants, and hoisting into place. Excludes excavation and concrete. See CSI section 10 75 16 00-0021 for bases.

10 75 16 Ground-Set Flagpoles *(10 75)*

10 75 16 00-0001 Free Standing Tapered Fiberglass Flagpoles *(10 75 16)*

Note: Excludes base or foundation See CSI section 10 75 16 00-0021 for concrete base.

10 75 16 00-0002	EA	25' Exposed Height, Tapered White Fiberglass Flagpole Note: 6" butt diameter, 3" top diameter and 0.180" wall.	3,775.33	888.96
		For Internal Halyard, Cam System, Add	*300.00*	
		For Bronze Finish, Add	*20.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0003	EA	30' Exposed Height, Tapered White Fiberglass Flagpole Note: 6-1/2" butt diameter, 3" top diameter and 0.180" wall.	4,036.01	969.78
		For Internal Halyard, Cam System, Add	*300.00*	
		For Bronze Finish, Add	*50.00*	
		For Rope Lock Box, Add	*96.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 75 16 00-0004	EA	35' Exposed Height, Tapered White Fiberglass Flagpole Note: 7" butt diameter, 3" top diameter and 0.200" wall.	5,076.17	1,131.40
		For Internal Halyard, Cam System, Add	*300.00*	
		For Bronze Finish, Add	*10.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0005	EA	40' Exposed Height, Tapered White Fiberglass Flagpole Note: 7" butt diameter, 3" top diameter and 0.200" wall.	5,889.35	1,293.03
		For Internal Halyard, Cam System, Add	*300.00*	
		For Bronze Finish, Add	*50.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0006	EA	50' Exposed Height, Tapered White Fiberglass Flagpole Note: 10" butt diameter, 4-1/2" top diameter and 0.275" wall.	10,885.46	1,454.65
		For Internal Halyard, Winch System, Add	*1,700.00*	
		For Bronze Finish, Add	*200.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0007	EA	60' Exposed Height, Tapered White Fiberglass Flagpole Note: 10-1/2" butt diameter, 4-1/2" top diameter and 0.300" wall.	12,952.44	1,616.29
		For Internal Halyard, Winch System, Add	*1,900.00*	
		For Bronze Finish, Add	*160.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0008	EA	70' Exposed Height, Tapered White Fiberglass Flagpole Note: 16" butt diameter, 7" top diameter and 0.325" wall.	22,261.18	1,777.92
		For Internal Halyard, Winch System, Add	*2,860.00*	
		For Bronze Finish, Add	*700.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0009	EA	78' Exposed Height, Tapered White Fiberglass Flagpole Note: 10-3/4" butt diameter, 7" top diameter and 0.350" wall.	28,824.54	1,939.54
		For Internal Halyard, Winch System, Add	*2,900.00*	
		For Bronze Finish, Add	*900.00*	
		For Rope Lock Box, Add	*96.00*	

10 75 16 00-0010 Free Standing Tapered Aluminum Flagpoles *(10 75 16)*

Note: Heavy-duty. Excludes base or foundation See CSI section 10 75 16 00-0021 for concrete base.

10 75 16 00-0011	EA	20' Exposed Height, Tapered Satin Aluminum Flagpole Note: 5" butt diameter, 3" top diameter and 0.188" wall.	2,953.09	808.14
		For Internal Halyard, Winch System, Add	*570.00*	
		For Clear Anodized Finish, Add	*150.00*	
		For Bronze Anodized Finish, Add	*180.00*	
		For Black Anodized Finish, Add	*230.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0012	EA	25' Exposed Height, Tapered Satin Aluminum Flagpole Note: 5-1/2" butt diameter, 3-1/2" top diameter and 0.188" wall.	3,494.90	888.96
		For Internal Halyard, Winch System, Add	*1,100.00*	
		For Clear Anodized Finish, Add	*200.00*	
		For Bronze Anodized Finish, Add	*230.00*	
		For Black Anodized Finish, Add	*320.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0013	EA	30' Exposed Height, Tapered Satin Aluminum Flagpole Note: 6" butt diameter, 3-1/2" top diameter and 0.188" wall.	3,874.54	969.78
		For Internal Halyard, Winch System, Add	*1,390.00*	
		For Clear Anodized Finish, Add	*240.00*	
		For Bronze Anodized Finish, Add	*290.00*	
		For Black Anodized Finish, Add	*400.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0014	EA	35' Exposed Height, Tapered Satin Aluminum Flagpole Note: 7" butt diameter, 3-1/2" top diameter and 0.188" wall.	4,893.32	1,131.40
		For Internal Halyard, Winch System, Add	*1,340.00*	
		For Clear Anodized Finish, Add	*290.00*	
		For Bronze Anodized Finish, Add	*360.00*	
		For Black Anodized Finish, Add	*480.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0015	EA	40' Exposed Height, Tapered Satin Aluminum Flagpole Note: 8" butt diameter, 3-1/2" top diameter and 0.188" wall.	6,020.20	1,293.03
		For Internal Halyard, Winch System, Add	*1,490.00*	
		For Clear Anodized Finish, Add	*390.00*	
		For Bronze Anodized Finish, Add	*480.00*	
		For Black Anodized Finish, Add	*660.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0016	EA	45' Exposed Height, Tapered Satin Aluminum Flagpole Note: 8" butt diameter, 3-1/2" top diameter and 0.188" wall.	6,648.51	1,373.85
		For Internal Halyard, Winch System, Add	*1,340.00*	
		For Clear Anodized Finish, Add	*400.00*	
		For Bronze Anodized Finish, Add	*500.00*	
		For Black Anodized Finish, Add	*700.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0017	EA	50' Exposed Height, Tapered Satin Aluminum Flagpole Note: 10" butt diameter, 4" top diameter and 0.188" wall.	8,282.34	1,454.65
		For Internal Halyard, Winch System, Add	*1,380.00*	
		For Clear Anodized Finish, Add	*700.00*	
		For Bronze Anodized Finish, Add	*860.00*	
		For Black Anodized Finish, Add	*1,130.00*	
		For Rope Lock Box, Add	*96.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 75 16 00-0018	EA	60' Exposed Height, Tapered Satin Aluminum Flagpole Note: 12" butt diameter, 4" top diameter and 0.250" wall.	13,961.04	1,616.29
		For Internal Halyard, Winch System, Add	*1,800.00*	
		For Clear Anodized Finish, Add	*620.00*	
		For Bronze Anodized Finish, Add	*820.00*	
		For Black Anodized Finish, Add	*1,160.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0019	EA	70' Exposed Height, Tapered Satin Aluminum Flagpole Note: 12" butt diameter, 4" top diameter and 0.250" wall.	15,282.54	1,777.92
		For Internal Halyard, Winch System, Add	*1,720.00*	
		For Clear Anodized Finish, Add	*710.00*	
		For Bronze Anodized Finish, Add	*950.00*	
		For Black Anodized Finish, Add	*1,360.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0020	EA	80' Exposed Height, Tapered Satin Aluminum Flagpole Note: 12" butt diameter, 4" top diameter and 0.375" wall.	19,036.72	1,939.54
		For Internal Halyard, Winch System, Add	*2,600.00*	
		For Clear Anodized Finish, Add	*1,100.00*	
		For Bronze Anodized Finish, Add	*1,380.00*	
		For Black Anodized Finish, Add	*1,840.00*	
		For Rope Lock Box, Add	*96.00*	

10 75 16 00-0021 Flagpole Bases *(10 75 16)*

10 75 16 00-0022 Flagpole Concrete Base *(10 75 16 00-0021)*

Note: Includes excavation, forms where necessary, steel casing and reinforcing, metal collar installation, base plate, sand fill, ground spike, concrete and finishing of concrete.

10 75 16 00-0023	EA	30' Or Less Flagpole, Poured Concrete Foundation	1,775.68	
10 75 16 00-0024	EA	35' Flagpole, Poured Concrete Foundation	1,836.36	
10 75 16 00-0025	EA	40' Flagpole, Poured Concrete Foundation	2,108.38	
10 75 16 00-0026	EA	45' Flagpole, Poured Concrete Foundation	2,231.04	
10 75 16 00-0027	EA	50' Flagpole, Poured Concrete Foundation	2,677.62	
10 75 16 00-0028	EA	60' Flagpole, Poured Concrete Foundation	3,243.88	
10 75 16 00-0029	EA	70' Flagpole, Poured Concrete Foundation	3,840.66	
10 75 16 00-0030	EA	80' Flagpole, Poured Concrete Foundation	4,466.08	
10 75 16 00-0031	EA	90' To 100' Flagpole, Poured Concrete Foundation	5,207.74	

10 75 16 00-0032 Direct Embedded Flagpole Base *(10 75 16 00-0021)*

Note: Augured in place, no concrete required.

10 75 16 00-0033	EA	20' To 25' Flagpole, Direct Embedded Pole Base	784.35	
10 75 16 00-0034	EA	30' To 40' Flagpole, Direct Embedded Pole Base	1,125.38	
10 75 16 00-0035	EA	45' To 55' Flagpole, Direct Embedded Pole Base	1,257.41	
10 75 16 00-0036	EA	60' To 70' Flagpole, Direct Embedded Pole Base	1,414.53	

10 75 16 00-0037 Flagpole Accessories *(10 75 16)*

10 75 16 00-0038 Flagpole Tops *(10 75 16 00-0037)*

Note: To be used on renovation of existing flagpole. Do not use in conjunction with installation of new flagpoles.

10 75 16 00-0039	EA	4" Gold Anodized Aluminum Ball For Top Of Flagpole	124.09	46.91
10 75 16 00-0040	EA	5" Gold Anodized Aluminum Ball For Top Of Flagpole	135.02	49.67
10 75 16 00-0041	EA	6" Gold Anodized Aluminum Ball For Top Of Flagpole	150.27	52.43
10 75 16 00-0042	EA	8" Gold Anodized Aluminum Ball For Top Of Flagpole	192.55	55.19
10 75 16 00-0043	EA	10" Gold Anodized Aluminum Ball For Top Of Flagpole	249.97	57.95
10 75 16 00-0044	EA	12" Gold Anodized Aluminum Ball For Top Of Flagpole	278.19	60.71
10 75 16 00-0045	EA	11-1/4" Aluminum Flying Eagle Mounted On A Spindle For Flagpole Top, Gold Finish	255.49	60.71
10 75 16 00-0046	EA	15" Aluminum Flying Eagle Mounted On A Spindle For Flagpole Top, Gold Finish	296.90	68.99

10 75 16 00-0047 Flagpole Accessories *(10 75 16 00-0037)*

Note: To be used on renovation of existing flagpole. Do not use in conjunction with installation of new flagpoles.

10 75 16 00-0048	LF	5/16" Diameter, Nylon Halyard (Rope) With Wire Center For Flagpoles	1.44	0.08
10 75 16 00-0049	LF	5/16" Diameter, Solid Braided Multifilament Polypropylene Halyard (Rope) For Flagpoles	0.71	0.08
10 75 16 00-0050	LF	5/16" Diameter, Nylon Halyard (Rope) For Flagpoles	0.54	0.08
10 75 16 00-0051	LF	3/8" Diameter, Nylon Halyard (Rope) With Wire Center For Flagpoles	1.93	0.08
10 75 16 00-0052	EA	Refinish Existing Flagpole Ball	401.33	137.91
10 75 16 00-0053	EA	Locking Aluminum Cleat Box For Flagpoles	299.63	82.75
10 75 16 00-0054	EA	Aluminum Cleat For Flagpoles	24.76	5.52
10 75 16 00-0055	LF	1/8" Diameter, 7x7 Galvanized Wire Rope For Flagpoles	0.82	0.11

10 75 16 00-0056 Granite Flagpole Base Renovation, Fort Moore Pioneer Memorial Fountation *(10 75 16)*

10 75 16 00-0057	EA	Remove the front panel, two side granite panels, cap, transport to factory, refinish surfaces and install temporary plywood. Note: Fort Moore Pioneer Memorial Fountation.	13,975.54	
10 75 16 00-0058	EA	Furnish and install new 3/4" thick granite panel for the right side of the pole foundation Note: Fort Moore Pioneer Memorial Fountation	7,532.16	
10 75 16 00-0059	EA	Delivery to jobsite of three re-finished panels and re-install with mechanical attachments, mortar and caulk stone joints Note: Fort Moore Pioneer Memorial Fountation	10,550.97	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 75 16 00-0060	EA	Remove and re-finish the existing four (4) granite benches and re-install Note: Fort Moore Pioneer Memorial Fountation	12,063.57	

10 75 23 Wall-Mounted Flagpoles *(10 75)*

10 75 23 00-0001 Vertical, Wall/Roof Mounted Tapered Aluminum Flagpoles *(10 75 23)*
Note: Includes aluminum brackets, 3" butt diameter and 0.125" wall.

10 75 23 00-0002	EA	14' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole	2,034.08	708.89
		For Clear Anodized Finish, Add	*60.00*	
		For Bronze Anodized Finish, Add	*80.00*	
		For Black Anodized Finish, Add	*90.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 23 00-0003	EA	17' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole	2,208.29	779.79
		For Clear Anodized Finish, Add	*70.00*	
		For Bronze Anodized Finish, Add	*80.00*	
		For Black Anodized Finish, Add	*100.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 23 00-0004	EA	20' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole	2,393.31	850.68
		For Clear Anodized Finish, Add	*70.00*	
		For Bronze Anodized Finish, Add	*110.00*	
		For Black Anodized Finish, Add	*120.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 23 00-0005	EA	25' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole	2,774.19	992.45
		For Clear Anodized Finish, Add	*70.00*	
		For Bronze Anodized Finish, Add	*90.00*	
		For Black Anodized Finish, Add	*100.00*	
		For Rope Lock Box, Add	*96.00*	

10 75 23 00-0006 Outrigger, Wall Mounted Tapered Aluminum Flagpoles *(10 75 23)*
Note: Includes aluminum base, 3-1/2" butt diameter and 0.125" wall.

10 75 23 00-0007	EA	10' (3.0 m) Outrigger, Tapered Aluminum Flagpole, Satin Finish	2,616.69	638.01
		For Rope Lock Box, Add	*96.00*	
10 75 23 00-0008	EA	15' (4.6 m) Outrigger, Tapered Aluminum Flagpole, Satin Finish	2,823.35	708.89
		For Rope Lock Box, Add	*96.00*	
10 75 23 00-0009	EA	20' (6.1 m) Outrigger, Tapered Aluminum Flagpole, Satin Finish	3,150.14	850.68
		For Rope Lock Box, Add	*96.00*	

10 80 Other Specialties *(10)*

10 81 Pest Control Devices *(10 80)*

10 81 13 Bird Control Devices *(10 81)*

10 81 13 00-0001 Stainless Steel Spiked Bird Barrier *(10 81 13)*
Note: Stainless steel spikes with flexible polycarbonate base.

10 81 13 00-0002	LF	2-1/2" To 3" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System	10.61	0.89
10 81 13 00-0003	LF	4-1/2" To 5" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System	12.82	0.89
10 81 13 00-0004	LF	8" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System	19.00	0.89

10 81 13 00-0005 Polycarbonate Spiked Bird Barrier *(10 81 13)*
Note: Polycarbonate spikes and base.

10 81 13 00-0006	LF	3" Wide Polycarbonate Spikes And Base Bird Deterrent System	9.77	0.89
10 81 13 00-0007	LF	5" Wide Polycarbonate Spikes And Base Bird Deterrent System	11.85	0.89
10 81 13 00-0008	LF	8" Wide Polycarbonate Spikes And Base Bird Deterrent System	14.11	0.89

10 81 13 00-0009 Spiked Gutter Or Girder Bird Barrier *(10 81 13)*
Note: Stainless steel spikes with flexible polycarbonate base mounted to gutter or girder. Includes aluminum clamps.

10 81 13 00-0010	LF	Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System For Gutter Or Girder Application	11.38	0.89

10 81 13 00-0011 Coil Bird Barrier *(10 81 13)*
Note: Stainless steel coil.

10 81 13 00-0012	LF	4" Diameter Stainless Steel Coil Bird Deterrent System	7.84	0.89
10 81 13 00-0013	LF	5" Diameter Stainless Steel Coil Bird Deterrent System	9.34	0.89

10 81 13 00-0014 Spider Bird Barrier *(10 81 13)*
Note: Stainless steel arms with various bases.

10 81 13 00-0015	EA	2' Diameter Stainless Steel Spider Bird Deterrent System	132.54	0.89
10 81 13 00-0016	EA	4' Diameter Stainless Steel Spider Bird Deterrent System	197.16	0.89
10 81 13 00-0017	EA	8' Diameter Stainless Steel Spider Bird Deterrent System	249.96	0.89

10 81 13 00-0018 Oriented Flexible Flame Resistant Netting *(10 81 13)*
Note: Includes stainless steel rings and plastic ties.

10 81 13 00-0019	SF	1/8" x 1/8" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	1.10	0.40

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 81 13 00-0020	SF	1/4" x 1/4" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	1.06	0.40
10 81 13 00-0021	SF	1/2" x 1/2" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	1.02	0.40
10 81 13 00-0022	SF	3/4" x 3/4" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.99	0.40
10 81 13 00-0023	SF	1" x 1" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.99	0.40
10 81 13 00-0024	SF	1-1/8" x 1-1/8" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.97	0.40
10 81 13 00-0025	SF	2" x 2" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.94	0.40
10 81 13 00-0026	SF	3" x 3" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.94	0.40
10 81 13 00-0027	SF	4" x 4" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.91	0.40
10 81 13 00-0028	SF	5/8" x 3/4" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	1.00	0.40
10 81 13 00-0029	SF	1-1/4" x 1-1/2" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.96	0.40
10 81 13 00-0030	EA	Poly Clips For Flexible Netting	3.40	

10 81 13 00-0031 Netting Accessories *(10 81 13)*

10 81 13 00-0032	EA	2' Zipper For Flexible Netting	9.40	
10 81 13 00-0033	EA	4' Zipper For Flexible Netting	14.16	
10 81 13 00-0034	EA	6' Zipper For Flexible Netting	16.66	
10 81 13 00-0035	EA	8' Zipper For Flexible Netting	23.68	

10 81 16 Insect Control Devices *(10 81)*

10 81 16 00-0001 Insect Screening *(10 81 16)*

10 81 16 00-0002	CSF	17/14 Mesh Insect Screening With Flat Screen Splines	145.04	

10 86 Security Mirrors And Domes *(10 80)*

10 86 00 00-0001 Security Mirrors *(10 86)*

10 86 00 00-0002	EA	8" x 10" Framed Stainless Steel Mirror With Mounting Plate	109.68	35.20
10 86 00 00-0003	EA	10" x 14" Framed Stainless Steel Mirror With Mounting Plate	121.03	35.20
10 86 00 00-0004	EA	16" x 20" Unframed Stainless Steel Mirror With Mounting Screws	209.49	29.34
10 86 00 00-0005	EA	8" x 10" Framed Stainless Steel Replacement Mirror	94.66	35.20
10 86 00 00-0006	EA	10" x 14" Framed Stainless Steel Replacement Mirror	140.34	35.20

10 86 00 00-0007 Dome Mirrors *(10 86)*

Note: Includes all mounting hardware. Indoor or outdoor applications.

10 86 00 00-0008 Steel Dome Mirrors *(10 86 00 00-0007)*

10 86 00 00-0009	EA	9" Diameter Full-Dome Steel Dome Mirror	317.87	22.07
10 86 00 00-0010	EA	12" Diameter Full-Dome Steel Dome Mirror	374.83	23.18
10 86 00 00-0011	EA	18" Diameter Full-Dome Steel Dome Mirror	433.98	25.39
10 86 00 00-0012	EA	24" Diameter Full-Dome Steel Dome Mirror	581.21	27.59
10 86 00 00-0013	EA	9" Diameter Half-Dome Steel Dome Mirror	227.33	16.56
10 86 00 00-0014	EA	12" Diameter Half-Dome Steel Dome Mirror	262.88	17.66
10 86 00 00-0015	EA	18" Diameter Half-Dome Steel Dome Mirror	307.59	19.31
10 86 00 00-0016	EA	24" Diameter Half-Dome Steel Dome Mirror	429.91	20.98

10 86 00 00-0017 Plexiglas Dome Mirrors *(10 86 00 00-0007)*

10 86 00 00-0018	EA	18" Diameter Full-Dome Plexiglas Dome Mirror	244.76	25.39
10 86 00 00-0019	EA	26" Diameter Full-Dome Plexiglas Dome Mirror	347.95	27.59
10 86 00 00-0020	EA	32" Diameter Full-Dome Plexiglas Dome Mirror	461.51	32.01
10 86 00 00-0021	EA	36" Diameter Full-Dome Plexiglas Dome Mirror	558.07	38.63
10 86 00 00-0022	EA	48" Diameter Full-Dome Plexiglas Dome Mirror	814.92	55.19
10 86 00 00-0023	EA	18" Diameter Half-Dome Plexiglas Dome Mirror	148.83	19.31
10 86 00 00-0024	EA	26" Diameter Half-Dome Plexiglas Dome Mirror	202.13	20.98
10 86 00 00-0025	EA	32" Diameter Half-Dome Plexiglas Dome Mirror	267.31	24.28
10 86 00 00-0026	EA	36" Diameter Half-Dome Plexiglas Dome Mirror	329.84	29.25
10 86 00 00-0027	EA	48" Diameter Half-Dome Plexiglas Dome Mirror	525.51	41.39
10 86 00 00-0028	EA	18" Diameter Quarter-Dome Plexiglas Dome Mirror	95.00	16.56
10 86 00 00-0029	EA	26" Diameter Quarter-Dome Plexiglas Dome Mirror	122.82	18.22
10 86 00 00-0030	EA	32" Diameter Quarter-Dome Plexiglas Dome Mirror	162.47	20.42
10 86 00 00-0031	EA	36" Diameter Quarter-Dome Plexiglas Dome Mirror	202.81	24.28
10 86 00 00-0032	EA	48" Diameter Quarter-Dome Plexiglas Dome Mirror	337.95	34.49

10 86 00 00-0033 Coated Plexiglas Dome Mirrors *(10 86 00 00-0007)*

10 86 00 00-0034	EA	18" Diameter Full-Dome Coated Plexiglas Dome Mirror	293.55	25.39
10 86 00 00-0035	EA	26" Diameter Full-Dome Coated Plexiglas Dome Mirror	457.44	27.59

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 86 00 00-0036	EA	36" Diameter Full-Dome Coated Plexiglas Dome Mirror	777.05	38.63
10 86 00 00-0037	EA	48" Diameter Full-Dome Coated Plexiglas Dome Mirror	1,198.13	55.19
10 86 00 00-0038	EA	18" Diameter Half-Dome Coated Plexiglas Dome Mirror	189.77	19.31
10 86 00 00-0039	EA	26" Diameter Half-Dome Coated Plexiglas Dome Mirror	284.72	20.98
10 86 00 00-0040	EA	36" Diameter Half-Dome Coated Plexiglas Dome Mirror	451.23	29.25
10 86 00 00-0041	EA	48" Diameter Half-Dome Coated Plexiglas Dome Mirror	749.25	41.39
10 86 00 00-0042	EA	18" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	137.12	16.56
10 86 00 00-0043	EA	26" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	193.75	18.22
10 86 00 00-0044	EA	32" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	251.96	20.42
10 86 00 00-0045	EA	36" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	324.67	24.28
10 86 00 00-0046	EA	48" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	509.33	34.49

10 86 00 00-0047 Circular Convex Security Mirrors *(10 86)*

Note: Includes all mounting hardware.

10 86 00 00-0048 Plexiglas Circular Convex Mirrors *(10 86 00 00-0047)*

Note: Indoor models have a tempered hardboard backing. Outdoor models have a waterproof edge and back, rustproof hardware with backed-on enamel finish.

10 86 00 00-0049	EA	12" Diameter Plexiglas Circular Convex Mirrors, Indoor	101.98	17.66
10 86 00 00-0050	EA	18" Diameter Plexiglas Circular Convex Mirrors, Indoor	133.60	19.31
10 86 00 00-0051	EA	26" Diameter Plexiglas Circular Convex Mirrors, Indoor	204.75	20.98
10 86 00 00-0052	EA	30" Diameter Plexiglas Circular Convex Mirrors, Indoor	256.36	24.28
10 86 00 00-0053	EA	36" Diameter Plexiglas Circular Convex Mirrors, Indoor	341.74	29.25
10 86 00 00-0054	EA	48" Diameter Plexiglas Circular Convex Mirrors, Indoor	606.43	41.39
10 86 00 00-0055	EA	18" Diameter Plexiglas Circular Convex Mirrors, Outdoor	173.83	19.31
10 86 00 00-0056	EA	26" Diameter Plexiglas Circular Convex Mirrors, Outdoor	252.35	20.98
10 86 00 00-0057	EA	36" Diameter Plexiglas Circular Convex Mirrors, Outdoor	360.79	29.25
10 86 00 00-0058	EA	48" Diameter Plexiglas Circular Convex Mirrors, Outdoor	663.56	41.39

10 86 00 00-0059 Coated Plexiglas Circular Convex Mirrors *(10 86 00 00-0047)*

Note: Indoor models have a tempered hardboard backing. Outdoor models have a waterproof edge and back, rustproof hardware with backed-on enamel finish.

10 86 00 00-0060	EA	18" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	210.96	19.31
10 86 00 00-0061	EA	26" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	334.70	20.98
10 86 00 00-0062	EA	30" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	450.82	24.28
10 86 00 00-0063	EA	36" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	563.10	29.25
10 86 00 00-0064	EA	48" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	818.27	41.39
10 86 00 00-0065	EA	18" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor	254.51	19.31
10 86 00 00-0066	EA	26" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor	396.59	20.98
10 86 00 00-0067	EA	30" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor	553.17	24.28
10 86 00 00-0068	EA	36" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor	624.99	29.25
10 86 00 00-0069	EA	48" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor	992.03	41.39

END OF SECTION 10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

21 Fire Suppression

21 01 Operation and Maintenance of Fire Suppression *(21)*

21 01 10 Operation and Maintenance of Water-Based Fire-Suppression Systems *(21 01)*

See CSI section 23 01 20 00-0000 for purging of pipes and shutdown.

21 01 10 91 Water-Based Fire-Suppression Systems Restoration *(21 01 10)*

21 01 10 91-0001 Relocate Sprinkler Head And Branch Piping *(21 01 10 91)*

See CSI section 21 13 13 00-0024 for new wet pipe sprinkler heads (when required).

21 01 10 91-0002	EA	Relocate 1 Existing Sprinkler Head And Branch Piping Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.	581.91
21 01 10 91-0003	EA	Relocate 2 To 4 Existing Sprinkler Heads And Branch Piping Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.	349.15
21 01 10 91-0004	EA	Relocate >4 To 10 Existing Sprinkler Heads And Branch Piping Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.	139.66
21 01 10 91-0005	EA	Relocate >10 Existing Sprinkler Heads And Branch Piping Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.	69.83

21 01 10 91-0006 Purge And Refill System Sprinkler Piping *(21 01 10 91)*

Note: Includes shutting off valve, draining pipe and collection of liquid, refilling with liquid and bleeding of air from system.

21 01 10 91-0007	EA	Up To 100', Up To 1-1/2" Diameter Pipe, Purge Liquid System (For Sprinkler Upgrades)	385.31
21 01 10 91-0008	EA	>100 To 250', Up To 1-1/2" Diameter Pipe, Purge Liquid System (For Sprinkler Upgrades)	550.29
21 01 10 91-0009	EA	>250 To 500', Up To 1-1/2" Diameter Pipe, Purge Liquid System (For Sprinkler Upgrades)	659.36
21 01 10 91-0010	EA	>500 To 1,000', Up To 1-1/2" Diameter Pipe, Purge Liquid System (For Sprinkler Upgrades)	824.20
21 01 10 91-0011	EA	>1,000 To 2,000', Up To 1-1/2" Diameter Pipe, Purge Liquid System (For Sprinkler Upgrades)	1,071.46
21 01 10 91-0012	LF	>2,000', Up To 1-1/2" Diameter Pipe, Purge Liquid System (For Sprinkler Upgrades)	0.53
21 01 10 91-0013	EA	Up To 100', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades)	539.43
21 01 10 91-0014	EA	>100 To 250', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades)	770.42
21 01 10 91-0015	EA	>250 To 500', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades)	923.10
21 01 10 91-0016	EA	>500 To 1,000', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades)	1,153.87
21 01 10 91-0017	EA	>1,000 To 2,000', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades)	1,500.04
21 01 10 91-0018	LF	>2,000', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades)	0.75
21 01 10 91-0019	EA	Up To 100', >3" To 6" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades)	741.71
21 01 10 91-0020	EA	>100 To 250', >3" To 6" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades)	1,059.32
21 01 10 91-0021	EA	>250 To 500', >3" To 6" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades)	1,269.27
21 01 10 91-0022	EA	>500 To 1,000', >3" To 6" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades)	1,586.58
21 01 10 91-0023	EA	>1,000 To 2,000', >3" To 6" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades)	2,062.55
21 01 10 91-0024	LF	>2,000', >3" To 6" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades)	1.03
21 01 10 91-0025	EA	Up To 100', >6" To 10" Diameter Main Piping, Purge Liquid System (For Sprinkler Upgrades)	1,001.32
21 01 10 91-0026	EA	>100 To 250', >6" To 10" Diameter Main Piping, Purge Liquid System (For Sprinkler Upgrades)	1,430.07
21 01 10 91-0027	EA	>250 To 500', >6" To 10" Diameter Main Piping, Purge Liquid System (For Sprinkler Upgrades)	1,518.21
21 01 10 91-0028	EA	>500 To 1,000', >6" To 10" Diameter Main Piping, Purge Liquid System (For Sprinkler Upgrades)	1,897.75
21 01 10 91-0029	EA	>1,000 To 2,000', >6" To 10" Diameter Main Piping, Purge Liquid System (For Sprinkler Upgrades)	2,467.09
21 01 10 91-0030	LF	>2,000', >6" To 10" Diameter Main Piping, Purge Liquid System (For Sprinkler Upgrades)	1.23

21 01 30 Operation and Maintenance of Fire-Suppression Equipment *(21 01)*

21 01 30 91 Fire-Suppression Equipment Restoration *(21 01 30)*

21 01 30 91-0001 Inspection And Recharge *(21 01 30 91)*

21 01 30 91-0002	EA	Inspection, CO2, Carbon Dioxide	250.22
21 01 30 91-0003	LB	Refill/Recharge, CO2, Carbon Dioxide	3.00
21 01 30 91-0004	EA	Inspection, Halon 1301	250.22
21 01 30 91-0005	LB	Refill/Recharge, Halon 1301	71.96
21 01 30 91-0006	EA	Inspection, WC, Wet Chemical	151.30
21 01 30 91-0007	GAL	Refill/Recharge, WC, Wet Chemical	67.46
21 01 30 91-0008	EA	Inspection, DC, Dry Chemical	151.30
21 01 30 91-0009	LB	Refill/Recharge, DC, Dry Chemical	6.00
21 01 30 91-0010	EA	Hydrostatic Testing, All Sizes, All Agents See CSI section 23 05 93 00-0048 for testing existing piping systems.	46.56
21 01 30 91-0011	EA	Disarm/Arm System	81.47

21 05 Common Work Results for Fire Suppression *(21)*

21 05 13 Common Motor Requirements for Fire-Suppression Equipment *(21 05)*

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. See CSI section 23 05 13 00-0000 for motor requirements.

21 05 16 Expansion Fittings and Loops for Fire-Suppression Piping *(21 05)*

See CSI section 23 05 16 00-0000 for expansion fittings and loops.

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LOS ANGELES COUNTY WATERWORKS DISTRICTS

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

21 05 17 Sleeves and Sleeve Seals for Fire-Suppression Piping *(21 05)*

See CSI section 23 05 17 00-0000 for sleeves and sleeve seals.

21 05 19 Meters and Gages for Fire-Suppression Systems *(21 05)*

See CSI section 33 19 00 00-0000 for water utility service metering.

21 05 19 00-0001 Fire Sprinkler System Water Pressure Gauge *(21 05 19)*

21 05 19 00-0002	EA	2" Diameter Dial, 0-200 PSI, Water Pressure Gauge Note: For fire sprinkler systems	50.31	13.42
21 05 19 00-0003	EA	2-1/2" Diameter Dial, 0-300 PSI, Water Pressure Gauge Note: For fire sprinkler systems	52.24	13.42
21 05 19 00-0004	EA	3" Diameter Dial, 0-300 PSI, Water Pressure Gauge Note: For fire sprinkler systems	61.24	13.42
21 05 19 00-0005	EA	3-1/2" Diameter Dial, 0-300 PSI, Water Pressure Gauge Note: For fire sprinkler systems	64.94	13.42
21 05 19 00-0006	EA	4" Diameter Dial, 0-300 PSI, Water Pressure Gauge Note: For fire sprinkler systems	68.64	13.42

21 05 19 00-0007 Fire Service Meter Cast Iron Housing *(21 05 19)*

21 05 19 00-0008	EA	3" Diameter, 0 - 600 GPM Fire Service Meter Flanged, With Cast Iron Housing	9,910.90	183.25
		For >10 To 25, Deduct	*-495.55*	
		For >25, Deduct	*-1,463.70*	
21 05 19 00-0009	EA	4" Diameter, 0 - 1,000 GPM Fire Service Meter Flanged, With Cast Iron Housing	20,274.87	307.20
		For >10 To 25, Deduct	*-1,013.74*	
		For >25, Deduct	*-3,002.73*	
21 05 19 00-0010	EA	6" Diameter, 0 - 2,000 GPM Fire Service Meter Flanged, With Cast Iron Housing	27,465.89	457.85
		For >10 To 25, Deduct	*-1,373.29*	
		For >25, Deduct	*-4,062.45*	
21 05 19 00-0011	EA	8" Diameter, 0 - 4,000 GPM Fire Service Meter Flanged, With Cast Iron Housing	35,837.11	585.03
		For >10 To 25, Deduct	*-1,791.86*	
		For >25, Deduct	*-5,302.89*	
21 05 19 00-0012	EA	10" Diameter, 0 - 6,200 GPM Fire Service Meter Flanged, With Cast Iron Housing	50,576.67	712.21
		For >10 To 25, Deduct	*-2,528.83*	
		For >25, Deduct	*-7,497.47*	

21 05 23 General-Duty Valves for Water-Based Fire-Suppression Piping *(21 05)*

See CSI section 22 05 23 00-0000 for additional valves, 23 05 23 00-0000 for additional valves.

21 05 23 00-0001 Globe Valves *(21 05 23)*

21 05 23 00-0002 Threaded, 125 Lb., Bronze Body, Angle Globe Valves *(21 05 23 00-0001)*

Note: Non-rising stem

21 05 23 00-0003	EA	1/2" Threaded, 125 Lb., Bronze Body, Angle Globe Valve (Kennedy 98SD)	64.85	11.71
21 05 23 00-0004	EA	3/4" Threaded, 125 Lb., Bronze Body, Angle Globe Valve (Kennedy 98SD)	82.53	12.29
21 05 23 00-0005	EA	1" Threaded, 125 Lb., Bronze Body, Angle Globe Valve (Kennedy 98SD)	113.96	12.29
21 05 23 00-0006	EA	1-1/4" Threaded, 125 Lb., Bronze Body, Angle Globe Valve (Kennedy 98SD)	172.10	15.57
21 05 23 00-0007	EA	1-1/2" Threaded, 125 Lb., Bronze Body, Angle Globe Valve (Kennedy 98SD	202.61	18.02
21 05 23 00-0008	EA	2" Threaded, 125 Lb., Bronze Body, Angle Globe Valve (Kennedy 98SD)	240.03	21.30

21 05 23 00-0009 Butterfly Valves *(21 05 23)*

21 05 23 00-0010 Grooved End Gear Operated Butterfly Valves *(21 05 23 00-0009)*

21 05 23 00-0011	EA	2-1/2" Butterfly Valve, Grooved, With Standard Trim (Nibco GD-4765-8N)	524.60	19.08
21 05 23 00-0012	EA	3" Butterfly Valve, Grooved, With Standard Trim (Nibco GD-4765-8N)	576.19	22.86
21 05 23 00-0013	EA	4" Butterfly Valve, Grooved, With Standard Trim (Nibco GD-4765-8N)	604.03	30.08
21 05 23 00-0014	EA	6" Butterfly Valve, Grooved, With Standard Trim (Nibco GD-4765-8N)	857.66	49.26
21 05 23 00-0015	EA	8" Butterfly Valve, Grooved, With Standard Trim (Nibco GD-4765-8N)	1,234.67	69.31

21 05 23 00-0016 Grooved End, Wafer Type, Ductile Iron, Gear Operated Butterfly Valves *(21 05 23 00-0009)*

21 05 23 00-0017	EA	2" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510)	527.05	15.41
21 05 23 00-0018	EA	2-1/2" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510)	536.60	19.08
21 05 23 00-0019	EA	3" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510)	592.19	22.86
21 05 23 00-0020	EA	4" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510)	614.02	30.08
21 05 23 00-0021	EA	6" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510)	855.66	49.26
21 05 23 00-0022	EA	8" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510)	1,272.66	69.31
21 05 23 00-0023	EA	10" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510)	1,971.14	93.67

21 05 23 00-0024 Check Valves *(21 05 23)*

21 05 23 00-0025 Bronze Body, Threaded, 150 Lb., Swing Check Valves *(21 05 23 00-0024)*

21 05 23 00-0026	EA	1/2" Swing Check Valve, Bronze, Threaded, 150 Lb. (Nibco T-433-Y)	232.04	11.71
21 05 23 00-0027	EA	3/4" Swing Check Valve, Bronze, Threaded, 150 Lb. (Nibco T-433-Y)	273.90	12.29
21 05 23 00-0028	EA	1" Swing Check Valve, Bronze, Threaded, 150 Lb. (Nibco T-433-Y)	374.92	12.29
21 05 23 00-0029	EA	1-1/4" Swing Check Valve, Bronze, Threaded, 150 Lb. (Nibco T-433-Y)	499.44	15.57
21 05 23 00-0030	EA	1-1/2" Swing Check Valve, Bronze, Threaded, 150 Lb. (Nibco T-433-Y)	655.10	18.02
21 05 23 00-0031	EA	2" Swing Check Valve, Bronze, Threaded, 150 Lb. (Nibco T-433-Y)	957.42	21.30

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 05 23 00-0032		**Flanged, Iron Body, Bronze Trim, Swing Check Valves** *(21 05 23 00-0024)*		
21 05 23 00-0033	EA	2-1/2" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126)	1,236.17	156.29
21 05 23 00-0034	EA	3" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126)	1,401.92	183.25
21 05 23 00-0035	EA	4" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126)	1,940.05	307.20
21 05 23 00-0036	EA	6" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126)	2,961.81	380.02
21 05 23 00-0037	EA	8" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126)	4,741.88	485.58
21 05 23 00-0038	EA	10" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126)	7,563.81	591.14
21 05 23 00-0039	EA	12" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126)	10,598.64	717.80
21 05 23 00-0040		**Iron Body Wafer Type Check Valve** *(21 05 23 00-0024)*		
21 05 23 00-0041	EA	2-1/2" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W)	954.56	156.38
21 05 23 00-0042	EA	3" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W)	1,098.68	183.35
21 05 23 00-0043	EA	4" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W)	1,279.57	307.37
21 05 23 00-0044	EA	6" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W)	2,118.24	431.40
21 05 23 00-0045	EA	8" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W)	3,163.50	496.11
21 05 23 00-0046	EA	10" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W)	4,667.39	53.93
21 05 23 00-0047	EA	12" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W)	6,407.09	733.37
21 05 23 00-0048		**Grooved End, Check Valves** *(21 05 23 00-0024)*		
21 05 23 00-0049	EA	2-1/2" Check Valve, Grooved (Victaulic FireLock® 717)	465.68	19.40
21 05 23 00-0050	EA	3" Check Valve, Grooved (Victaulic FireLock® 717)	470.92	22.96
21 05 23 00-0051	EA	4" Check Valve, Grooved (Victaulic FireLock® 717)	499.35	30.18
21 05 23 00-0052	EA	6" Check Valve, Grooved (Victaulic FireLock® 717)	1,487.69	49.26
21 05 23 00-0053	EA	8" Check Valve, Grooved (Victaulic FireLock® 717)	2,066.96	69.31
21 05 23 00-0054		**Gate Valves** *(21 05 23)*		
21 05 23 00-0055		**Threaded, Bronze Gate Valves** *(21 05 23 00-0054)* Note: Class 175		
21 05 23 00-0056	EA	1" Threaded, Bronze Gate Valve (Crane 459)	725.39	14.63
21 05 23 00-0057	EA	1-1/4" Threaded, Bronze Gate Valve (Crane 459)	886.75	15.57
21 05 23 00-0058	EA	1-1/2" Threaded, Bronze Gate Valve (Crane 459)	1,055.13	18.02
21 05 23 00-0059	EA	2" Threaded, Bronze Gate Valve (Crane 459)	1,316.75	21.30
21 05 23 00-0060		**Flanged, Cast Iron Body, Bronze Trim Gate Valves** *(21 05 23 00-0054)* Note: Class 175		
21 05 23 00-0061	EA	2-1/2" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	1,708.45	156.29
21 05 23 00-0062	EA	3" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	2,013.23	183.25
21 05 23 00-0063	EA	4" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	2,779.09	307.20
21 05 23 00-0064	EA	6" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	4,201.75	380.02
21 05 23 00-0065	EA	8" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	6,245.02	485.58
21 05 23 00-0066	EA	10" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	11,573.31	591.14
21 05 23 00-0067	EA	12" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	15,792.00	717.80
21 05 23 00-0068		**Flanged, Resilient Wedge, Ductile Iron Body, Gate Valves** *(21 05 23 00-0054)* Note: Class 175		
21 05 23 00-0069	EA	2-1/2" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	3,004.40	156.29
21 05 23 00-0070	EA	3" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	3,499.28	183.25
21 05 23 00-0071	EA	4" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	4,131.17	307.20
21 05 23 00-0072	EA	6" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	5,342.37	380.02
21 05 23 00-0073	EA	8" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	8,036.67	485.58
21 05 23 00-0074	EA	10" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	11,687.83	591.14
21 05 23 00-0075	EA	12" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	15,151.33	717.80
21 05 23 00-0076		**Flanged, Resilient Wedge, Ductile Iron Body, Gate Valves** *(21 05 23 00-0054)* Note: Class 250. Square operating nut actuation type.		
21 05 23 00-0077	EA	3" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100)	2,799.63	183.25
21 05 23 00-0078	EA	4" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100)	3,456.06	307.20
21 05 23 00-0079	EA	6" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100)	4,453.69	380.02
21 05 23 00-0080	EA	8" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100)	6,789.58	485.58
21 05 23 00-0081	EA	10" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100)	10,354.81	591.14

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 05 23 00-0082	EA	12" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100)	13,049.93	717.80
21 05 23 00-0083		Ball Valves *(21 05 23)*		
21 05 23 00-0084		Threaded, 125 Lb., Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728) *(21 05 23 00-0083)*		
21 05 23 00-0085	EA	1" Threaded, 125 Lb., Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728)	469.33	14.63
21 05 23 00-0086	EA	1-1/4" Threaded, 125 Lb., Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728)	511.75	15.57
21 05 23 00-0087	EA	1-1/2" Threaded, 125 Lb., Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728)	605.16	18.02
21 05 23 00-0088	EA	2" Threaded, 125 Lb., Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728)	728.25	21.30
21 05 23 00-0089		TESTanDRAIN® Valve *(21 05 23)*		
21 05 23 00-0090	EA	1/4" 3-Way Globe Valve With 1/4" NPT Test Port (AGF 7600)	245.27	15.47
21 05 23 00-0091	EA	1" Threaded TESTanDRAIN® Valve (AGF 1000)	276.99	18.69
21 05 23 00-0092	EA	1-1/4" Threaded TESTanDRAIN® Valve (AGF 1000)	338.63	23.63
21 05 23 00-0093	EA	1-1/2" Threaded TESTanDRAIN® Valve (AGF 1000)	529.02	27.28
21 05 23 00-0094	EA	2" Threaded TESTanDRAIN® Valve (AGF 1000)	555.92	32.22
21 05 23 00-0095	EA	1" Threaded TESTanDRAIN® Valve With Relief Valve (AGF 1011)	389.69	18.69
21 05 23 00-0096	EA	1-1/4" Threaded TESTanDRAIN® Valve With Relief Valve (AGF 1011)	450.24	23.63
21 05 23 00-0097	EA	1-1/2" Threaded TESTanDRAIN® Valve With Relief Valve (AGF 1011)	644.02	27.28
21 05 23 00-0098	EA	2" Threaded TESTanDRAIN® Valve With Relief Valve (AGF 1011)	673.98	32.22
21 05 23 00-0099		Air Release Valves For Wet Fire Sprinkler Systems *(21 05 23)*		
21 05 23 00-0100	EA	1/2" NPT, Automatic Air Vent Assembly For Wet Fire Sprinkler Systems (Tyco TAV-W)	1,324.95	35.13
21 05 23 00-0101	EA	1/2" NPT, Automatic Air Vent For Wet Fire Sprinkler Systems (Potter PAV)	463.01	35.13
21 05 23 00-0102	EA	1/2" NPT, Automatic Float Type Air Release Valve With Shutoff Valve, Strainer, Unions, And Containment Pan (Potter PAAR-B)	1,308.71	52.70
21 05 23 00-0103	EA	1" NPT x Hose Automatic Air Venting Valve For Wet Fire Sprinkler Systems (AGF Manufacturing AGF7900AAV)	496.08	35.13
21 05 23 00-0104	EA	2" NPT, Separation Chamber and Air Scoop With M7900 Automatic Air Venting Valve For Wet Fire Sprinkler Systems (AGF Manufacturing AGF7950ILV-20)	1,005.99	57.97
21 05 23 00-0105	EA	2-1/2" NPT, Separation Chamber and Air Scoop With M7900 Automatic Air Venting Valve For Wet Fire Sprinkler Systems (AGF Manufacturing AGF7950ILV-25)	1,080.17	80.51
21 05 23 00-0106	EA	3" NPT, Separation Chamber and Air Scoop With M7900 Automatic Air Venting Valve For Wet Fire Sprinkler Systems (AGF Manufacturing AGF7950ILV-30)	1,133.04	90.17
21 05 23 00-0107	EA	4" NPT, Separation Chamber and Air Scoop With M7900 Automatic Air Venting Valve For Wet Fire Sprinkler Systems (AGF Manufacturing AGF7950ILV-40)	1,160.43	96.61
21 05 23 00-0108	EA	1/2" PURGEnVENT Manual Air Vent Valve For Wet Fire Sprinkler Systems (AGF Manufacturing 7910MAV)	109.45	39.23

21 05 29 Hangers and Supports for Fire-Suppression Piping and Equipment *(21 05)*

See CSI section 23 05 29 00-0000 for hangers and supports.

21 05 33 Heat Tracing for Fire-Suppression Piping *(21 05)*

See CSI section 23 83 13 13-0000 for heat tracing cables.

21 05 48 Vibration and Seismic Controls for Fire-Suppression Piping and Equipment *(21 05)*

21 05 48 13 Vibration Controls for Fire-Suppression Piping and Equipment *(21 05 48)*

See CSI section 23 05 48 13-0000 for vibration and seismic control.

21 05 53 Identification for Fire-Suppression Piping and Equipment *(21 05)*

See CSI section 23 05 53 00-0000 for identification.

21 07 Fire-Suppression Systems Insulation *(21)*

21 07 16 Fire-Suppression Equipment Insulation *(21 07)*

See CSI section 23 07 16 00-0000 for fire-suppression equipment insulation.

21 07 19 Fire-Suppression Piping Insulation *(21 07)*

See CSI section 22 07 19 00-0000 for fire-suppression piping insulation.

21 10 Water-Based Fire-Suppression Systems *(21)*

See CSI section 22 11 16 00-0383 for copper pipe, 22 11 16 00-0929 for CPVC pipe, 23 05 23 00-0037 for OS&Y gate valves, 23 21 13 23-0000 for black steel piping.

21 11 Facility Fire-Suppression Water-Service Piping *(21 10)*

21 11 19 Fire-Department Connections *(21 11)*

21 11 19 00-0001		Fire Department Connections *(21 11 19)*		
21 11 19 00-0002	EA	4" x 2-1/2" x 2-1/2" Siamese Connection, Polished Brass	1,071.04	345.88
		For Polished Chrome, Add	*68.38*	
21 11 19 00-0003	EA	6" x 2-1/2" x 2-1/2" Siamese Connection, Polished Brass	1,492.65	432.36
		For Polished Chrome, Add	*104.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 11 19 00-0004	EA	4" x 3" x 3" Siamese Connection, Polished Brass	1,584.82	345.88
		For Polished Chrome, Add	*132.58*	
21 11 19 00-0005	EA	6" x 3" x 3" Siamese Connection, Polished Brass	2,095.53	432.36
		For Polished Chrome, Add	*180.03*	
21 11 19 00-0006	EA	6" x 2-1/2" x 2-1/2" x 2-1/2" Siamese Connection, Three Way, Polished Brass	2,242.90	432.36
		For Polished Chrome, Add	*198.45*	
21 11 19 00-0007	EA	Sidewalk Type Connection With Plug And Chain, Polished Brass	1,917.38	457.59
		For Polished Chrome, Add	*153.05*	
21 11 19 00-0008	EA	Wall Type Connection With Plug And Chain, Polished Brass	1,226.49	345.88
		For Polished Chrome, Add	*87.81*	

21 11 19 00-0009 Wall Type Indicator Post, Wheel Operated *(21 11 19)*

See CSI section 33 14 19 00-0001 for adjustable indicator post accessory for ground valves.

21 11 19 00-0010	EA	Wall Type Indicator Post With Wall Flange For Valve (Victaulic 773)	2,984.85	307.20

21 11 19 00-0011 Upright Indicator Post, Wheel Operated *(21 11 19)*

21 11 19 00-0012	EA	Upright Indicator Post With Flange For Valve (Victaulic 774)	7,197.49	307.20

21 12 Fire-Suppression Standpipes *(21 10)*

See CSI section 23 21 13 23-0000 for black steel pipe.

21 12 13 Fire-Suppression Hoses and Nozzles *(21 12)*

21 12 13 00-0001 Fire Hose *(21 12 13)*

21 12 13 00-0002 Fire Hose Without Couplings *(21 12 13 00-0001)*

21 12 13 00-0003	LF	1-1/2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	2.95	2.33
21 12 13 00-0004	LF	2-1/2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	3.42	2.33
21 12 13 00-0005	LF	2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	3.12	2.33
21 12 13 00-0006	LF	3" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	3.64	2.33
21 12 13 00-0007	LF	1-1/2" Cotton Fire Hose, 300 Lb. Test With 1-1/2" Rubber Lining Without Couplings	3.27	2.33
21 12 13 00-0008	LF	2-1/2" Cotton Fire Hose, 300 Lb. Test With 1-1/2" Rubber Lining Without Couplings	4.00	2.33
21 12 13 00-0009	LF	1-1/2" Cotton Fire Hose, 400 Lb. Test With 1-1/2" Rubber Lining Without Couplings	3.36	2.33
21 12 13 00-0010	LF	2-1/2" Cotton Fire Hose, 400 Lb. Test With 1-1/2" Rubber Lining Without Couplings	4.20	2.33

21 12 13 00-0011 Fire Hose With Aluminum Couplings *(21 12 13 00-0001)*

21 12 13 00-0012	LF	1-3/4" Polyester Fire Hose With Rubber Lining With Aluminum Couplings	8.39	1.28
21 12 13 00-0013	LF	2-1/2" Polyester Fire Hose With Rubber Lining With Aluminum Couplings	10.54	1.51
21 12 13 00-0014	LF	3-1/2" Polyester Fire Hose With Rubber Lining With Aluminum Couplings	18.22	1.51

21 12 13 00-0015 Fire Hose Accessories *(21 12 13 00-0001)*

21 12 13 00-0016	EA	Hose Coupling With 1-1/2" Pin Lug	203.66	38.41
21 12 13 00-0017	EA	Hose Coupling With 2-1/2" Pin Lug	315.93	43.06
21 12 13 00-0018	EA	1-1/2" x 10" Brass Straight Nozzle	96.39	30.26
21 12 13 00-0019	EA	2-1/2" x 12" Brass Straight Nozzle	189.67	30.26
21 12 13 00-0020	EA	1-1/2" Brass Fog Type Nozzle	150.86	30.26
21 12 13 00-0021	EA	2-1/2" Brass Fog Type Nozzle	216.32	30.26
21 12 13 00-0022	EA	1-1/2" Brass 100' Hose Rack	333.04	128.02
21 12 13 00-0023	EA	2-1/2" Brass 100' Hose Rack	460.51	128.02

21 12 23 Fire-Suppression Hose Valves *(21 12)*

21 12 23 00-0001 Standpipe Valves *(21 12 23)*

21 12 23 00-0002	EA	2-1/2" Fire Department Valve, Polished Brass With Plug And Chain	967.16	228.80
		For Polished Chrome, Add	*93.10*	
21 12 23 00-0003	EA	2-1/2" x 2-1/2" x 4" Fire Department Valve, Flush, Polished Brass	1,701.83	228.70
		For Polished Chrome, Add	*203.30*	
21 12 23 00-0004	EA	2-1/2" x 2-1/2" x 6" Fire Department Valve, Flush, Polished Brass	2,244.22	247.38
		For Polished Chrome, Add	*280.40*	
21 12 23 00-0005	EA	3" x 3" x 4" Fire Department Valve, Flush, Polished Brass	2,760.51	228.70
		For Polished Chrome, Add	*362.10*	
21 12 23 00-0006	EA	3" x 3" x 6" Fire Department Valve, Flush, Polished Brass	3,264.55	247.38
		For Polished Chrome, Add	*433.45*	
21 12 23 00-0007	EA	2-1/2" x 2-1/2" x 4" Fire Department Valve, Projecting, Polished Brass	1,589.31	228.70
		For Polished Chrome, Add	*186.42*	
21 12 23 00-0008	EA	2-1/2" x 2-1/2" x 6" Fire Department Valve, Projecting, Polished Brass	2,420.67	247.38
		For Polished Chrome, Add	*306.86*	
21 12 23 00-0009	EA	2-1/2" x 2-1/2" x 2-1/2" x 4" Fire Department Valve, Flush, Polished Brass	3,183.43	236.10
		For Polished Chrome, Add	*339.09*	
21 12 23 00-0010	EA	2-1/2" x 2-1/2" x 2-1/2" x 6" Fire Department Valve, Flush, Polished Brass	4,636.04	262.31
		For Polished Chrome, Add	*508.63*	
21 12 23 00-0011	EA	2-1/2" x 2-1/2" x 2-1/2" x 4" Fire Department Valve, Projecting, Polished Brass	3,436.59	236.10
		For Polished Chrome, Add	*369.46*	
21 12 23 00-0012	EA	2-1/2" x 2-1/2" x 2-1/2" x 6" Fire Department Valve, Projecting, Polished Brass	5,017.47	262.31
		For Polished Chrome, Add	*554.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 12 23 00-0013	EA	2-1/2" x 2-1/2" x 2-1/2" x 2-1/2" 6" Fire Department Valve, Square, Flush, Polished Brass	9,267.99	314.73
		For Polished Chrome, Add	*879.10*	

21 12 23 00-0014 Fire Hose Angle Valves *(21 12 23)*

21 12 23 00-0015	EA	1-1/2", 300 Lb. Rated, Cast Brass, Fire Hose Angle Valve	236.87	31.43
21 12 23 00-0016	EA	1-1/2", 300 Lb. Rated, Polished Brass, Fire Hose Angle Valve	283.28	31.43
21 12 23 00-0017	EA	1-1/2", 300 Lb. Rated, Rough Chrome Plated, Fire Hose Angle Valve	266.40	31.43
21 12 23 00-0018	EA	1-1/2", 300 Lb. Rated, Polished Chrome Plated, Fire Hose Angle Valve	312.81	31.43
21 12 23 00-0019	EA	2-1/2", 300 Lb. Rated, Cast Brass, Fire Hose Angle Valve	421.68	52.37
21 12 23 00-0020	EA	2-1/2", 300 Lb. Rated, Polished Brass, Fire Hose Angle Valve	489.17	52.37
21 12 23 00-0021	EA	2-1/2", 300 Lb. Rated, Rough Chrome Plated, Fire Hose Angle Valve	494.80	52.37
21 12 23 00-0022	EA	2-1/2", 300 Lb. Rated, Polished Chrome Plated, Fire Hose Angle Valve	562.30	52.37

21 12 23 00-0023 Fire Hose Valve Cap And Chain *(21 12 23)*

21 12 23 00-0024	EA	1-1/2" Cast Brass, Fire Hose Valve Cap And Chain	45.40	10.74
21 12 23 00-0025	EA	1-1/2" Polished Brass, Fire Hose Valve Cap And Chain	72.11	10.74
21 12 23 00-0026	EA	1-1/2" Rough Chrome Plated, Fire Hose Valve Cap And Chain	63.68	10.74
21 12 23 00-0027	EA	1-1/2" Polished Chrome Plated, Fire Hose Valve Cap And Chain	84.77	10.74
21 12 23 00-0028	EA	1-1/2" Aluminum Brass Fire Hose Valve Cap And Chain	30.96	10.74
21 12 23 00-0029	EA	2-1/2" Cast Brass, Fire Hose Valve Cap And Chain	71.85	13.42
21 12 23 00-0030	EA	2-1/2" Polished Brass, Fire Hose Valve Cap And Chain	95.76	13.42
21 12 23 00-0031	EA	2-1/2" Rough Chrome Plated, Fire Hose Valve Cap And Chain	91.54	13.42
21 12 23 00-0032	EA	2-1/2" Polished Chrome Plated, Fire Hose Valve Cap And Chain	115.44	13.42
21 12 23 00-0033	EA	2-1/2" Aluminum Brass Fire Hose Valve Cap And Chain	41.12	13.42
21 12 23 00-0034	EA	3" Cast Brass, Fire Hose Valve Cap And Chain	113.38	14.50
21 12 23 00-0035	EA	3" Polished Brass, Fire Hose Valve Cap And Chain	144.32	14.50
21 12 23 00-0036	EA	3" Rough Chrome Plated, Fire Hose Valve Cap And Chain	134.48	14.50
21 12 23 00-0037	EA	3" Polished Chrome Plated, Fire Hose Valve Cap And Chain	166.82	14.50

21 12 29 Fire-Suppression Fire Hose Equipment *(21 12)*

21 12 29 00-0001 Standpipe And Fire Hose Equipment *(21 12 29)*

21 12 29 00-0002	EA	2-1/2" x 2-1/2" x 2-1/2" x 4" Manifold Roof Type, Vertical, Polished Brass	3,251.22	567.16
21 12 29 00-0003	EA	Water Motor Gong	1,159.29	174.50
21 12 29 00-0004	EA	Fire Riser Flow Switch (National Fire Protection Association 13)	1,046.65	20.30
21 12 29 00-0005	EA	Water Flow Supervisory (Tamper) Switch Mounted On Valve	253.98	34.73

21 12 29 00-0006 Water Flow Detector *(21 12 29)*

21 12 29 00-0007 Pressure-Type Water Flow Detector *(21 12 29 00-0006)*

21 12 29 00-0008	EA	Pressure-Type Water Flow Detector For Up To 2-1/2" Pipe	404.15	106.86
21 12 29 00-0009	EA	Pressure-Type Water Flow Detector For >2-1/2" To 4" Pipe	586.70	141.60
21 12 29 00-0010	EA	Pressure-Type Water Flow Detector For >4" To 8" Pipe	918.71	160.29

21 12 29 00-0011 Vane-Type Water Flow Detector *(21 12 29 00-0006)*

21 12 29 00-0012	EA	Vane-Type Water Flow Detector For Up To 2-1/2" Pipe	507.19	106.86
21 12 29 00-0013	EA	Vane-Type Water Flow Detector For >2-1/2" To 4" Pipe	712.93	141.60
21 12 29 00-0014	EA	Vane-Type Water Flow Detector For >4" To 8" Pipe	1,118.81	160.29

21 13 Fire-Suppression Sprinkler Systems *(21 10)*

21 13 13 Wet-Pipe Sprinkler Systems *(21 13)*

21 13 13 00-0001 Complete Wet Pipe Sprinkler Systems Assemblies *(21 13 13)*

Note: Includes all branch line piping (standard weight threaded black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc.) from riser pipe and mains. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks. Not for use where detail is available. For sprinkler repairs or sprinkler head replacements use specific pipe, fittings, hangers, valves, and sprinkler head components. See CSI section 23 21 13 23-1456 for individual grooved pipe, 23 21 13 23-1529 for individual grooved pipe fittings.

21 13 13 00-0002 Light Hazard, Complete Wet-Pipe Sprinkler System Assemblies *(21 13 13 00-0001)*

21 13 13 00-0003	EA	Exposed Piping, Light Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads.	795.87	
		For Copper Pipe, Add	*100.72*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-140.52*	
		For Up To 5, Add	*355.66*	
		For >5 To 10, Add	*215.14*	
		For >10 To 20, Add	*135.56*	
		For >20 To 40, Add	*58.45*	
		For >100 To 150, Deduct	*-79.59*	
		For >150, Deduct	*-159.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0004	EA	Concealed Piping, Light Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.	1,006.75	
		For Copper Pipe, Add	*123.54*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-173.88*	
		For Up To 5, Add	*457.64*	
		For >5 To 10, Add	*283.77*	
		For >10 To 20, Add	*183.09*	
		For >20 To 40, Add	*77.81*	
		For >100 To 150, Deduct	*-100.68*	
		For >150, Deduct	*-201.35*	
		For Work In Restricted Working Space, Add	*164.83*	
21 13 13 00-0005		Ordinary Hazard, Complete Wet-Pipe Sprinkler System Assemblies *(21 13 13 00-0001)*		
21 13 13 00-0006	EA	Exposed Piping, Ordinary Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads.	778.30	
		For Copper Pipe, Add	*98.31*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-137.23*	
		For Up To 5, Add	*348.18*	
		For >5 To 10, Add	*210.96*	
		For >10 To 20, Add	*133.13*	
		For >20 To 40, Add	*57.35*	
		For >100 To 150, Deduct	*-77.83*	
		For >150, Deduct	*-155.66*	
21 13 13 00-0007	EA	Concealed Piping, Ordinary Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.	981.52	
		For Copper Pipe, Add	*120.12*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-169.19*	
		For Up To 5, Add	*446.83*	
		For >5 To 10, Add	*277.63*	
		For >10 To 20, Add	*179.48*	
		For >20 To 40, Add	*76.19*	
		For >100 To 150, Deduct	*-98.15*	
		For >150, Deduct	*-196.30*	
		For Work In Restricted Working Space, Add	*162.66*	
21 13 13 00-0008		Extra Hazard, Complete Wet-Pipe Sprinkler System Assemblies *(21 13 13 00-0001)*		
21 13 13 00-0009	EA	Exposed Piping, Extra Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads.	718.51	
		For Copper Pipe, Add	*90.61*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-126.54*	
		For Up To 5, Add	*321.74*	
		For >5 To 10, Add	*195.20*	
		For >10 To 20, Add	*123.35*	
		For >20 To 40, Add	*53.09*	
		For >100 To 150, Deduct	*-71.85*	
		For >150, Deduct	*-143.70*	
21 13 13 00-0010	EA	Concealed Piping, Extra Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.	908.11	
		For Copper Pipe, Add	*110.96*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-156.37*	
		For Up To 5, Add	*413.75*	
		For >5 To 10, Add	*257.39*	
		For >10 To 20, Add	*166.58*	
		For >20 To 40, Add	*70.66*	
		For >100 To 150, Deduct	*-90.81*	
		For >150, Deduct	*-181.62*	
		For Work In Restricted Working Space, Add	*151.53*	
21 13 13 00-0011		Wet Pipe Sprinkler Components *(21 13 13)* Note: Excludes hydraulic calculations.		
21 13 13 00-0012		Wet Pipe Alarm Check Valves *(21 13 13 00-0011)* Note: Excludes trim package See CSI section 21 13 13 00-0018 for Wet Pipe Valve Trim.		
21 13 13 00-0013	EA	2-1/2" Wet Pipe Alarm Check Valve	1,962.70	146.93
21 13 13 00-0014	EA	3" Wet Pipe Alarm Check Valve	2,005.44	168.30
21 13 13 00-0015	EA	4" Wet Pipe Alarm Check Valve	2,240.54	285.86
21 13 13 00-0016	EA	6" Wet Pipe Alarm Check Valve	2,159.98	360.66
21 13 13 00-0017	EA	8" Wet Pipe Alarm Check Valve	3,864.90	456.83
21 13 13 00-0018		Wet Pipe Valve Trim *(21 13 13 00-0011)* Note: Vertical or Horizontal, closed drain, basic galvanized trim assembly package. Includes gauges, pressure switch, relief valve, drain line, and retard chamber.		
21 13 13 00-0019	EA	2-1/2" Wet Pipe Valve Trim	1,807.32	310.97
21 13 13 00-0020	EA	3" Wet Pipe Valve Trim	1,912.59	310.97
21 13 13 00-0021	EA	4" Wet Pipe Valve Trim	2,295.06	426.37
21 13 13 00-0022	EA	6" Wet Pipe Valve Trim	2,678.19	593.08
21 13 13 00-0023	EA	8" Wet Pipe Valve Trim	2,913.28	734.13
21 13 13 00-0024		Wet Pipe Sprinkler Heads *(21 13 13 00-0011)*		

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LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0025		Upright Wet Pipe Sprinkler Heads *(21 13 13 00-0024)*		
21 13 13 00-0026	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Upright Brass Wet Pipe Sprinkler Head	86.73	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-6.96*	
		For >100 To 500, Deduct	*-12.15*	
		For >500 To 1,000, Deduct	*-24.51*	
		For >1,000, Deduct	*-34.99*	
21 13 13 00-0027	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Upright Chrome Wet Pipe Sprinkler Head	90.23	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-7.13*	
		For >100 To 500, Deduct	*-12.59*	
		For >500 To 1,000, Deduct	*-25.14*	
		For >1,000, Deduct	*-35.62*	
21 13 13 00-0028	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Upright White Polyester Coated Wet Pipe Sprinkler Head	92.46	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-7.24*	
		For >100 To 500, Deduct	*-12.87*	
		For >500 To 1,000, Deduct	*-25.55*	
		For >1,000, Deduct	*-36.02*	
21 13 13 00-0029	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright Brass Wet Pipe Sprinkler Head	88.48	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-7.04*	
		For >100 To 500, Deduct	*-12.37*	
		For >500 To 1,000, Deduct	*-24.83*	
		For >1,000, Deduct	*-35.30*	
21 13 13 00-0030	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright Chrome Wet Pipe Sprinkler Head	92.12	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-7.22*	
		For >100 To 500, Deduct	*-12.82*	
		For >500 To 1,000, Deduct	*-25.48*	
		For >1,000, Deduct	*-35.96*	
21 13 13 00-0031	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright White Polyester Coated Wet Pipe Sprinkler Head	94.45	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-7.34*	
		For >100 To 500, Deduct	*-13.12*	
		For >500 To 1,000, Deduct	*-25.90*	
		For >1,000, Deduct	*-36.38*	
21 13 13 00-0032	EA	1/2" NPT Thread, 3/8" Orifice, Quick Response, Upright Brass Wet Pipe Sprinkler Head	111.40	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-8.19*	
		For >100 To 500, Deduct	*-15.23*	
		For >500 To 1,000, Deduct	*-28.95*	
		For >1,000, Deduct	*-39.43*	
21 13 13 00-0033	EA	1/2" NPT Thread, 3/8" Orifice, Quick Response, Upright Chrome Wet Pipe Sprinkler Head	120.78	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-8.66*	
		For >100 To 500, Deduct	*-16.41*	
		For >500 To 1,000, Deduct	*-30.64*	
		For >1,000, Deduct	*-41.12*	
21 13 13 00-0034	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Upright Brass Wet Pipe Sprinkler Head	111.40	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-8.19*	
		For >100 To 500, Deduct	*-15.23*	
		For >500 To 1,000, Deduct	*-28.95*	
		For >1,000, Deduct	*-39.43*	
21 13 13 00-0035	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Upright Chrome Wet Pipe Sprinkler Head	120.78	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-8.66*	
		For >100 To 500, Deduct	*-16.41*	
		For >500 To 1,000, Deduct	*-30.64*	
		For >1,000, Deduct	*-41.12*	
21 13 13 00-0036	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Upright Brass Wet Pipe Sprinkler Head	99.26	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-7.58*	
		For >100 To 500, Deduct	*-13.72*	
		For >500 To 1,000, Deduct	*-26.77*	
		For >1,000, Deduct	*-37.24*	
21 13 13 00-0037	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Upright Chrome Wet Pipe Sprinkler Head	103.84	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-7.81*	
		For >100 To 500, Deduct	*-14.29*	
		For >500 To 1,000, Deduct	*-27.59*	
		For >1,000, Deduct	*-38.07*	
21 13 13 00-0038	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright Brass Wet Pipe Sprinkler Head	99.98	14.54
		For >25 To 50, Deduct	*-2.91*	
		For >50 To 100, Deduct	*-7.91*	
		For >100 To 500, Deduct	*-13.95*	
		For >500 To 1,000, Deduct	*-27.89*	
		For >1,000, Deduct	*-39.53*	
21 13 13 00-0039	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright Chrome Wet Pipe Sprinkler Head	105.33	14.54
		For >25 To 50, Deduct	*-2.91*	
		For >50 To 100, Deduct	*-8.18*	
		For >100 To 500, Deduct	*-14.62*	
		For >500 To 1,000, Deduct	*-28.85*	
		For >1,000, Deduct	*-40.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0040	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright White Polyester Coated Wet Pipe Sprinkler Head	106.42	14.54
		For >25 To 50, Deduct	*-2.91*	
		For >50 To 100, Deduct	*-8.23*	
		For >100 To 500, Deduct	*-14.76*	
		For >500 To 1,000, Deduct	*-29.05*	
		For >1,000, Deduct	*-40.69*	
21 13 13 00-0041	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright Brass Wet Pipe Sprinkler Head	99.98	14.54
		For >25 To 50, Deduct	*-2.91*	
		For >50 To 100, Deduct	*-7.91*	
		For >100 To 500, Deduct	*-13.95*	
		For >500 To 1,000, Deduct	*-27.89*	
		For >1,000, Deduct	*-39.53*	
21 13 13 00-0042	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright Chrome Wet Pipe Sprinkler Head	105.33	14.54
		For >25 To 50, Deduct	*-2.91*	
		For >50 To 100, Deduct	*-8.18*	
		For >100 To 500, Deduct	*-14.62*	
		For >500 To 1,000, Deduct	*-28.85*	
		For >1,000, Deduct	*-40.49*	
21 13 13 00-0043	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright White Polyester Coated Wet Pipe Sprinkler Head	106.42	14.54
		For >25 To 50, Deduct	*-2.91*	
		For >50 To 100, Deduct	*-8.23*	
		For >100 To 500, Deduct	*-14.76*	
		For >500 To 1,000, Deduct	*-29.05*	
		For >1,000, Deduct	*-40.69*	
21 13 13 00-0044	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Upright Brass Wet Pipe Sprinkler Head	96.84	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-7.46*	
		For >100 To 500, Deduct	*-13.41*	
		For >500 To 1,000, Deduct	*-26.33*	
		For >1,000, Deduct	*-36.81*	
21 13 13 00-0045	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Upright Chrome Wet Pipe Sprinkler Head	100.33	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-7.64*	
		For >100 To 500, Deduct	*-13.85*	
		For >500 To 1,000, Deduct	*-26.96*	
		For >1,000, Deduct	*-37.44*	
21 13 13 00-0046	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Upright White Polyester Coated Wet Pipe Sprinkler Head	101.01	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-7.67*	
		For >100 To 500, Deduct	*-13.94*	
		For >500 To 1,000, Deduct	*-27.08*	
		For >1,000, Deduct	*-37.56*	
21 13 13 00-0047	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Upright Brass Wet Pipe Sprinkler Head	96.84	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-7.46*	
		For >100 To 500, Deduct	*-13.41*	
		For >500 To 1,000, Deduct	*-26.33*	
		For >1,000, Deduct	*-36.81*	
21 13 13 00-0048	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Upright Chrome Wet Pipe Sprinkler Head	100.33	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-7.64*	
		For >100 To 500, Deduct	*-13.85*	
		For >500 To 1,000, Deduct	*-26.96*	
		For >1,000, Deduct	*-37.44*	
21 13 13 00-0049	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Upright White Polyester Coated Wet Pipe Sprinkler Head	101.01	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-7.67*	
		For >100 To 500, Deduct	*-13.94*	
		For >500 To 1,000, Deduct	*-27.08*	
		For >1,000, Deduct	*-37.56*	
21 13 13 00-0050	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Combustible Concealed Space, Upright Brass Wet Pipe Sprinkler Head	101.00	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-7.67*	
		For >100 To 500, Deduct	*-13.93*	
		For >500 To 1,000, Deduct	*-27.08*	
		For >1,000, Deduct	*-37.56*	
21 13 13 00-0051	EA	3/4" NPT Thread, K=14.0, Extended Coverage, Upright Brass Wet Pipe Sprinkler Head	137.51	14.54
		For >25 To 50, Deduct	*-2.91*	
		For >50 To 100, Deduct	*-9.79*	
		For >100 To 500, Deduct	*-18.64*	
		For >500 To 1,000, Deduct	*-34.64*	
		For >1,000, Deduct	*-46.28*	
21 13 13 00-0052	EA	3/4" NPT Thread, K=14.0, Extended Coverage, Upright Chrome Wet Pipe Sprinkler Head	141.54	14.54
		For >25 To 50, Deduct	*-2.91*	
		For >50 To 100, Deduct	*-9.99*	
		For >100 To 500, Deduct	*-19.15*	
		For >500 To 1,000, Deduct	*-35.37*	
		For >1,000, Deduct	*-47.01*	
21 13 13 00-0053	EA	3/4" NPT Thread, K=14.0, Extended Coverage, Upright White Polyester Coated Wet Pipe Sprinkler Head	141.54	14.54
		For >25 To 50, Deduct	*-2.91*	
		For >50 To 100, Deduct	*-9.99*	
		For >100 To 500, Deduct	*-19.15*	
		For >500 To 1,000, Deduct	*-35.37*	
		For >1,000, Deduct	*-47.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0054	EA	3/4" NPT Thread, K=11.2, Extended Coverage, Upright Brass Wet Pipe Sprinkler Head	110.36	14.54
		For >25 To 50, Deduct	*-2.91*	
		For >50 To 100, Deduct	*-8.43*	
		For >100 To 500, Deduct	*-15.25*	
		For >500 To 1,000, Deduct	*-29.76*	
		For >1,000, Deduct	*-41.40*	
21 13 13 00-0055	EA	3/4" NPT Thread, K=11.2, Extended Coverage, Upright Chrome Wet Pipe Sprinkler Head	113.12	14.54
		For >25 To 50, Deduct	*-2.91*	
		For >50 To 100, Deduct	*-8.57*	
		For >100 To 500, Deduct	*-15.59*	
		For >500 To 1,000, Deduct	*-30.25*	
		For >1,000, Deduct	*-41.89*	
21 13 13 00-0056	EA	3/4" NPT Thread, K=11.2, Extended Coverage, Upright White Polyester Coated Wet Pipe Sprinkler Head	113.12	14.54
		For >25 To 50, Deduct	*-2.91*	
		For >50 To 100, Deduct	*-8.57*	
		For >100 To 500, Deduct	*-15.59*	
		For >500 To 1,000, Deduct	*-30.25*	
		For >1,000, Deduct	*-41.89*	
21 13 13 00-0057	EA	1/2" NPT Thread, K=5.6, Quick Response, Upright Stainless Steel Wet Pipe Sprinkler Head	339.11	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-19.57*	
		For >100 To 500, Deduct	*-43.70*	
		For >500 To 1,000, Deduct	*-69.94*	
		For >1,000, Deduct	*-80.42*	
21 13 13 00-0058	EA	3/4" NPT Thread, K=8.0, Quick Response, Upright Stainless Steel Wet Pipe Sprinkler Head	373.35	14.54
		For >25 To 50, Deduct	*-2.91*	
		For >50 To 100, Deduct	*-21.58*	
		For >100 To 500, Deduct	*-48.12*	
		For >500 To 1,000, Deduct	*-77.10*	
		For >1,000, Deduct	*-88.73*	
21 13 13 00-0059	EA	1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Upright Brass Wet Pipe Sprinkler Head	177.92	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-11.51*	
		For >100 To 500, Deduct	*-23.55*	
		For >500 To 1,000, Deduct	*-40.93*	
		For >1,000, Deduct	*-51.40*	
21 13 13 00-0060	EA	1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Upright Chrome Wet Pipe Sprinkler Head	219.92	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-13.61*	
		For >100 To 500, Deduct	*-28.80*	
		For >500 To 1,000, Deduct	*-48.49*	
		For >1,000, Deduct	*-58.96*	
21 13 13 00-0061	EA	1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Upright Brass Wet Pipe Sprinkler Head	395.52	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-22.39*	
		For >100 To 500, Deduct	*-50.75*	
		For >500 To 1,000, Deduct	*-80.10*	
		For >1,000, Deduct	*-90.57*	
21 13 13 00-0062	EA	1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Upright Chrome Wet Pipe Sprinkler Head	504.95	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-27.87*	
		For >100 To 500, Deduct	*-64.43*	
		For >500 To 1,000, Deduct	*-99.79*	
		For >1,000, Deduct	*-110.27*	
21 13 13 00-0063	EA	3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Upright Brass Wet Pipe Sprinkler Head	225.74	14.54
		For >25 To 50, Deduct	*-2.91*	
		For >50 To 100, Deduct	*-14.20*	
		For >100 To 500, Deduct	*-29.67*	
		For >500 To 1,000, Deduct	*-50.53*	
		For >1,000, Deduct	*-62.16*	
21 13 13 00-0064	EA	3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Upright Chrome Wet Pipe Sprinkler Head	227.01	14.54
		For >25 To 50, Deduct	*-2.91*	
		For >50 To 100, Deduct	*-14.26*	
		For >100 To 500, Deduct	*-29.83*	
		For >500 To 1,000, Deduct	*-50.75*	
		For >1,000, Deduct	*-62.39*	

21 13 13 00-0065 Conventional Wet Pipe Sprinkler Heads *(21 13 13 00-0024)*

21 13 13 00-0066	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Conventional Brass Wet Pipe Sprinkler Head	86.73	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-6.96*	
		For >100 To 500, Deduct	*-12.15*	
		For >500 To 1,000, Deduct	*-24.51*	
		For >1,000, Deduct	*-34.99*	
21 13 13 00-0067	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Conventional Chrome Wet Pipe Sprinkler Head	90.23	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-7.13*	
		For >100 To 500, Deduct	*-12.59*	
		For >500 To 1,000, Deduct	*-25.14*	
		For >1,000, Deduct	*-35.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0068	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Conventional White Polyester Coated Wet Pipe Sprinkler Head	92.46	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-7.24*	
		For >100 To 500, Deduct	*-12.87*	
		For >500 To 1,000, Deduct	*-25.55*	
		For >1,000, Deduct	*-36.02*	
21 13 13 00-0069	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional Brass Wet Pipe Sprinkler Head	101.23	14.54
		For >25 To 50, Deduct	*-2.91*	
		For >50 To 100, Deduct	*-7.97*	
		For >100 To 500, Deduct	*-14.11*	
		For >500 To 1,000, Deduct	*-28.11*	
		For >1,000, Deduct	*-39.75*	
21 13 13 00-0070	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional Chrome Wet Pipe Sprinkler Head	105.33	14.54
		For >25 To 50, Deduct	*-2.91*	
		For >50 To 100, Deduct	*-8.18*	
		For >100 To 500, Deduct	*-14.62*	
		For >500 To 1,000, Deduct	*-28.85*	
		For >1,000, Deduct	*-40.49*	
21 13 13 00-0071	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional White Polyester Coated Wet Pipe Sprinkler Head	105.97	14.54
		For >25 To 50, Deduct	*-2.91*	
		For >50 To 100, Deduct	*-8.21*	
		For >100 To 500, Deduct	*-14.70*	
		For >500 To 1,000, Deduct	*-28.97*	
		For >1,000, Deduct	*-40.60*	
21 13 13 00-0072	EA	1/2" NPT Thread, K=5.6, Quick Response, Conventional Stainless Steel Wet Pipe Sprinkler Head	339.11	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-19.57*	
		For >100 To 500, Deduct	*-43.70*	
		For >500 To 1,000, Deduct	*-69.94*	
		For >1,000, Deduct	*-80.42*	

21 13 13 00-0073 Pendant Wet Pipe Sprinkler Heads *(21 13 13 00-0024)*

See CSI section 21 13 13 00-0209 for escutcheon for recessed pendent sprinkler head.

21 13 13 00-0074	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent Brass Wet Pipe Sprinkler Head	86.73	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-6.96*	
		For >100 To 500, Deduct	*-12.15*	
		For >500 To 1,000, Deduct	*-24.51*	
		For >1,000, Deduct	*-34.99*	
21 13 13 00-0075	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent Chrome Wet Pipe Sprinkler Head	90.23	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-7.13*	
		For >100 To 500, Deduct	*-12.59*	
		For >500 To 1,000, Deduct	*-25.14*	
		For >1,000, Deduct	*-35.62*	
21 13 13 00-0076	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent White Polyester Coated Wet Pipe Sprinkler Head	92.46	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-7.24*	
		For >100 To 500, Deduct	*-12.87*	
		For >500 To 1,000, Deduct	*-25.55*	
		For >1,000, Deduct	*-36.02*	
21 13 13 00-0077	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendent Brass Wet Pipe Sprinkler Head	99.98	14.54
		For >25 To 50, Deduct	*-2.91*	
		For >50 To 100, Deduct	*-7.91*	
		For >100 To 500, Deduct	*-13.95*	
		For >500 To 1,000, Deduct	*-27.89*	
		For >1,000, Deduct	*-39.53*	
21 13 13 00-0078	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head	105.33	14.54
		For >25 To 50, Deduct	*-2.91*	
		For >50 To 100, Deduct	*-8.18*	
		For >100 To 500, Deduct	*-14.62*	
		For >500 To 1,000, Deduct	*-28.85*	
		For >1,000, Deduct	*-40.49*	
21 13 13 00-0079	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendent White Polyester Coated Wet Pipe Sprinkler Head	106.42	14.54
		For >25 To 50, Deduct	*-2.91*	
		For >50 To 100, Deduct	*-8.23*	
		For >100 To 500, Deduct	*-14.76*	
		For >500 To 1,000, Deduct	*-29.05*	
		For >1,000, Deduct	*-40.69*	
21 13 13 00-0080	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Pendent Brass Wet Pipe Sprinkler Head	96.84	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-7.46*	
		For >100 To 500, Deduct	*-13.41*	
		For >500 To 1,000, Deduct	*-26.33*	
		For >1,000, Deduct	*-36.81*	
21 13 13 00-0081	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Pendent Chrome Wet Pipe Sprinkler Head	100.33	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-7.64*	
		For >100 To 500, Deduct	*-13.85*	
		For >500 To 1,000, Deduct	*-26.96*	
		For >1,000, Deduct	*-37.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0082	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Pendent White Polyester Coated Wet Pipe Sprinkler Head	101.01	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-7.67*	
		For >100 To 500, Deduct	*-13.94*	
		For >500 To 1,000, Deduct	*-27.08*	
		For >1,000, Deduct	*-37.56*	
21 13 13 00-0083	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Brass Wet Pipe Sprinkler Head	96.84	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-7.46*	
		For >100 To 500, Deduct	*-13.41*	
		For >500 To 1,000, Deduct	*-26.33*	
		For >1,000, Deduct	*-36.81*	
21 13 13 00-0084	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Chrome Wet Pipe Sprinkler Head	100.33	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-7.64*	
		For >100 To 500, Deduct	*-13.85*	
		For >500 To 1,000, Deduct	*-26.96*	
		For >1,000, Deduct	*-37.44*	
21 13 13 00-0085	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent White Polyester Coated Wet Pipe Sprinkler Head	101.01	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-7.67*	
		For >100 To 500, Deduct	*-13.94*	
		For >500 To 1,000, Deduct	*-27.08*	
		For >1,000, Deduct	*-37.56*	
21 13 13 00-0086	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Brass Wet Pipe Sprinkler Head, Low Lead	96.84	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-7.46*	
		For >100 To 500, Deduct	*-13.41*	
		For >500 To 1,000, Deduct	*-26.33*	
		For >1,000, Deduct	*-36.81*	
21 13 13 00-0087	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Chrome Wet Pipe Sprinkler Head, Low Lead	100.33	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-7.64*	
		For >100 To 500, Deduct	*-13.85*	
		For >500 To 1,000, Deduct	*-26.96*	
		For >1,000, Deduct	*-37.44*	
21 13 13 00-0088	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent White Polyester Coated Wet Pipe Sprinkler Head, Low Lead	101.01	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-7.67*	
		For >100 To 500, Deduct	*-13.94*	
		For >500 To 1,000, Deduct	*-27.08*	
		For >1,000, Deduct	*-37.56*	
21 13 13 00-0089	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent Brass Wet Pipe Sprinkler Head, Low Lead	86.73	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-6.96*	
		For >100 To 500, Deduct	*-12.15*	
		For >500 To 1,000, Deduct	*-24.51*	
		For >1,000, Deduct	*-34.99*	
21 13 13 00-0090	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent Chrome Wet Pipe Sprinkler Head, Low Lead	90.23	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-7.13*	
		For >100 To 500, Deduct	*-12.59*	
		For >500 To 1,000, Deduct	*-25.14*	
		For >1,000, Deduct	*-35.62*	
21 13 13 00-0091	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent White Polyester Coated Wet Pipe Sprinkler Head, Low Lead	92.46	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-7.24*	
		For >100 To 500, Deduct	*-12.87*	
		For >500 To 1,000, Deduct	*-25.55*	
		For >1,000, Deduct	*-36.02*	
21 13 13 00-0092	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent Brass Wet Pipe Sprinkler Head	88.49	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-7.04*	
		For >100 To 500, Deduct	*-12.37*	
		For >500 To 1,000, Deduct	*-24.83*	
		For >1,000, Deduct	*-35.31*	
21 13 13 00-0093	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent Chrome Wet Pipe Sprinkler Head	90.97	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-7.17*	
		For >100 To 500, Deduct	*-12.68*	
		For >500 To 1,000, Deduct	*-25.28*	
		For >1,000, Deduct	*-35.75*	
21 13 13 00-0094	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent White Polyester Coated Wet Pipe Sprinkler Head	93.23	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-7.28*	
		For >100 To 500, Deduct	*-12.96*	
		For >500 To 1,000, Deduct	*-25.68*	
		For >1,000, Deduct	*-36.16*	
21 13 13 00-0095	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent Brass Wet Pipe Sprinkler Head	103.29	14.54
		For >25 To 50, Deduct	*-2.91*	
		For >50 To 100, Deduct	*-8.07*	
		For >100 To 500, Deduct	*-14.37*	
		For >500 To 1,000, Deduct	*-28.48*	
		For >1,000, Deduct	*-40.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0096	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent Chrome Wet Pipe Sprinkler Head	107.83	14.54
		For >25 To 50, Deduct	*-2.91*	
		For >50 To 100, Deduct	*-8.30*	
		For >100 To 500, Deduct	*-14.93*	
		For >500 To 1,000, Deduct	*-29.30*	
		For >1,000, Deduct	*-40.94*	
21 13 13 00-0097	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent White Polyester Coated Wet Pipe Sprinkler Head	107.83	14.54
		For >25 To 50, Deduct	*-2.91*	
		For >50 To 100, Deduct	*-8.30*	
		For >100 To 500, Deduct	*-14.93*	
		For >500 To 1,000, Deduct	*-29.30*	
		For >1,000, Deduct	*-40.94*	
21 13 13 00-0098	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Pendent Brass Wet Pipe Sprinkler Head	99.26	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-7.58*	
		For >100 To 500, Deduct	*-13.72*	
		For >500 To 1,000, Deduct	*-26.77*	
		For >1,000, Deduct	*-37.24*	
21 13 13 00-0099	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head	103.84	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-7.81*	
		For >100 To 500, Deduct	*-14.29*	
		For >500 To 1,000, Deduct	*-27.59*	
		For >1,000, Deduct	*-38.07*	
21 13 13 00-0100	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Pendent Brass Wet Pipe Sprinkler Head	110.70	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-8.15*	
		For >100 To 500, Deduct	*-15.15*	
		For >500 To 1,000, Deduct	*-28.83*	
		For >1,000, Deduct	*-39.30*	
21 13 13 00-0101	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head	118.21	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-8.53*	
		For >100 To 500, Deduct	*-16.09*	
		For >500 To 1,000, Deduct	*-30.18*	
		For >1,000, Deduct	*-40.65*	
21 13 13 00-0102	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Pendent Brass Wet Pipe Sprinkler Head	110.70	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-8.15*	
		For >100 To 500, Deduct	*-15.15*	
		For >500 To 1,000, Deduct	*-28.83*	
		For >1,000, Deduct	*-39.30*	
21 13 13 00-0103	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head	118.21	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-8.53*	
		For >100 To 500, Deduct	*-16.09*	
		For >500 To 1,000, Deduct	*-30.18*	
		For >1,000, Deduct	*-40.65*	
21 13 13 00-0104	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	93.34	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-7.29*	
		For >100 To 500, Deduct	*-12.98*	
		For >500 To 1,000, Deduct	*-25.70*	
		For >1,000, Deduct	*-36.18*	
21 13 13 00-0105	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	97.27	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-7.48*	
		For >100 To 500, Deduct	*-13.47*	
		For >500 To 1,000, Deduct	*-26.41*	
		For >1,000, Deduct	*-36.89*	
21 13 13 00-0106	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	99.33	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-7.59*	
		For >100 To 500, Deduct	*-13.73*	
		For >500 To 1,000, Deduct	*-26.78*	
		For >1,000, Deduct	*-37.26*	
21 13 13 00-0107	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	101.64	14.54
		For >25 To 50, Deduct	*-2.91*	
		For >50 To 100, Deduct	*-7.99*	
		For >100 To 500, Deduct	*-14.16*	
		For >500 To 1,000, Deduct	*-28.19*	
		For >1,000, Deduct	*-39.83*	
21 13 13 00-0108	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	105.53	14.54
		For >25 To 50, Deduct	*-2.91*	
		For >50 To 100, Deduct	*-8.19*	
		For >100 To 500, Deduct	*-14.65*	
		For >500 To 1,000, Deduct	*-28.89*	
		For >1,000, Deduct	*-40.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0109	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	109.29	14.54
		For >25 To 50, Deduct	*-2.91*	
		For >50 To 100, Deduct	*-8.37*	
		For >100 To 500, Deduct	*-15.12*	
		For >500 To 1,000, Deduct	*-29.56*	
		For >1,000, Deduct	*-41.20*	
21 13 13 00-0110	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	95.56	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-7.40*	
		For >100 To 500, Deduct	*-13.25*	
		For >500 To 1,000, Deduct	*-26.10*	
		For >1,000, Deduct	*-36.58*	
21 13 13 00-0111	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	99.42	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-7.59*	
		For >100 To 500, Deduct	*-13.74*	
		For >500 To 1,000, Deduct	*-26.80*	
		For >1,000, Deduct	*-37.27*	
21 13 13 00-0112	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	101.52	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-7.69*	
		For >100 To 500, Deduct	*-14.00*	
		For >500 To 1,000, Deduct	*-27.18*	
		For >1,000, Deduct	*-37.65*	
21 13 13 00-0113	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	103.29	14.54
		For >25 To 50, Deduct	*-2.91*	
		For >50 To 100, Deduct	*-8.07*	
		For >100 To 500, Deduct	*-14.37*	
		For >500 To 1,000, Deduct	*-28.48*	
		For >1,000, Deduct	*-40.12*	
21 13 13 00-0114	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	107.34	14.54
		For >25 To 50, Deduct	*-2.91*	
		For >50 To 100, Deduct	*-8.28*	
		For >100 To 500, Deduct	*-14.87*	
		For >500 To 1,000, Deduct	*-29.21*	
		For >1,000, Deduct	*-40.85*	
21 13 13 00-0115	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	111.25	14.54
		For >25 To 50, Deduct	*-2.91*	
		For >50 To 100, Deduct	*-8.47*	
		For >100 To 500, Deduct	*-15.36*	
		For >500 To 1,000, Deduct	*-29.92*	
		For >1,000, Deduct	*-41.56*	
21 13 13 00-0116	EA	1/2" NPT Thread, 1/2" Orifice, Decorative Pendent Chrome Wet Pipe Sprinkler Head	156.91	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-10.46*	
		For >100 To 500, Deduct	*-20.92*	
		For >500 To 1,000, Deduct	*-37.15*	
		For >1,000, Deduct	*-47.62*	
21 13 13 00-0117	EA	1/2" NPT Thread, 1/2" Orifice, Decorative Pendent White Polyester Coated Wet Pipe Sprinkler Head	156.91	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-10.46*	
		For >100 To 500, Deduct	*-20.92*	
		For >500 To 1,000, Deduct	*-37.15*	
		For >1,000, Deduct	*-47.62*	
21 13 13 00-0118	EA	3/4" NPT Thread, K=14.0, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	114.39	14.54
		For >25 To 50, Deduct	*-2.91*	
		For >50 To 100, Deduct	*-8.63*	
		For >100 To 500, Deduct	*-15.75*	
		For >500 To 1,000, Deduct	*-30.48*	
		For >1,000, Deduct	*-42.12*	
21 13 13 00-0119	EA	3/4" NPT Thread, K=14.0, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	117.36	14.54
		For >25 To 50, Deduct	*-2.91*	
		For >50 To 100, Deduct	*-8.78*	
		For >100 To 500, Deduct	*-16.12*	
		For >500 To 1,000, Deduct	*-31.02*	
		For >1,000, Deduct	*-42.66*	
21 13 13 00-0120	EA	3/4" NPT Thread, K=14.0, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	117.36	14.54
		For >25 To 50, Deduct	*-2.91*	
		For >50 To 100, Deduct	*-8.78*	
		For >100 To 500, Deduct	*-16.12*	
		For >500 To 1,000, Deduct	*-31.02*	
		For >1,000, Deduct	*-42.66*	
21 13 13 00-0121	EA	3/4" NPT Thread, K=11.2, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	110.36	14.54
		For >25 To 50, Deduct	*-2.91*	
		For >50 To 100, Deduct	*-8.43*	
		For >100 To 500, Deduct	*-15.25*	
		For >500 To 1,000, Deduct	*-29.76*	
		For >1,000, Deduct	*-41.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0122	EA	3/4" NPT Thread, K=11.2, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	113.12	14.54
		For >25 To 50, Deduct	*-2.91*	
		For >50 To 100, Deduct	*-8.57*	
		For >100 To 500, Deduct	*-15.59*	
		For >500 To 1,000, Deduct	*-30.25*	
		For >1,000, Deduct	*-41.89*	
21 13 13 00-0123	EA	3/4" NPT Thread, K=11.2, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	113.12	14.54
		For >25 To 50, Deduct	*-2.91*	
		For >50 To 100, Deduct	*-8.57*	
		For >100 To 500, Deduct	*-15.59*	
		For >500 To 1,000, Deduct	*-30.25*	
		For >1,000, Deduct	*-41.89*	
21 13 13 00-0124	EA	1/2" NPT Thread, K=5.6, Quick Response, Pendent Stainless Steel Wet Pipe Sprinkler Head	339.11	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-19.57*	
		For >100 To 500, Deduct	*-43.70*	
		For >500 To 1,000, Deduct	*-69.94*	
		For >1,000, Deduct	*-80.42*	
21 13 13 00-0125	EA	3/4" NPT Thread, K=8.0, Quick Response, Pendent Stainless Steel Wet Pipe Sprinkler Head	373.35	14.54
		For >25 To 50, Deduct	*-2.91*	
		For >50 To 100, Deduct	*-21.58*	
		For >100 To 500, Deduct	*-48.12*	
		For >500 To 1,000, Deduct	*-77.10*	
		For >1,000, Deduct	*-88.73*	
21 13 13 00-0126	EA	1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Pendent Brass Wet Pipe Sprinkler Head	177.92	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-11.51*	
		For >100 To 500, Deduct	*-23.55*	
		For >500 To 1,000, Deduct	*-40.93*	
		For >1,000, Deduct	*-51.40*	
21 13 13 00-0127	EA	1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Pendent Chrome Wet Pipe Sprinkler Head	219.92	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-13.61*	
		For >100 To 500, Deduct	*-28.80*	
		For >500 To 1,000, Deduct	*-48.49*	
		For >1,000, Deduct	*-58.96*	
21 13 13 00-0128	EA	1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Pendent Brass Wet Pipe Sprinkler Head	395.52	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-22.39*	
		For >100 To 500, Deduct	*-50.75*	
		For >500 To 1,000, Deduct	*-80.10*	
		For >1,000, Deduct	*-90.57*	
21 13 13 00-0129	EA	1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Pendent Chrome Wet Pipe Sprinkler Head	504.95	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-27.87*	
		For >100 To 500, Deduct	*-64.43*	
		For >500 To 1,000, Deduct	*-99.79*	
		For >1,000, Deduct	*-110.27*	
21 13 13 00-0130	EA	3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Pendent Brass Wet Pipe Sprinkler Head	225.74	14.54
		For >25 To 50, Deduct	*-2.91*	
		For >50 To 100, Deduct	*-14.20*	
		For >100 To 500, Deduct	*-29.67*	
		For >500 To 1,000, Deduct	*-50.53*	
		For >1,000, Deduct	*-62.16*	
21 13 13 00-0131	EA	3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Pendent Chrome Wet Pipe Sprinkler Head	227.01	14.54
		For >25 To 50, Deduct	*-2.91*	
		For >50 To 100, Deduct	*-14.26*	
		For >100 To 500, Deduct	*-29.83*	
		For >500 To 1,000, Deduct	*-50.75*	
		For >1,000, Deduct	*-62.39*	

21 13 13 00-0132 Sidewall Wet Pipe Sprinkler Heads *(21 13 13 00-0024)*

21 13 13 00-0133 Horizontal Sidewall Wet-Pipe Sprinkler Heads *(21 13 13 00-0132)*

21 13 13 00-0134	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	91.96	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-7.22*	
		For >100 To 500, Deduct	*-12.80*	
		For >500 To 1,000, Deduct	*-25.46*	
		For >1,000, Deduct	*-35.93*	
21 13 13 00-0135	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	94.77	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-7.36*	
		For >100 To 500, Deduct	*-13.16*	
		For >500 To 1,000, Deduct	*-25.96*	
		For >1,000, Deduct	*-36.44*	
21 13 13 00-0136	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall White Polyester Coated Wet Pipe Sprinkler Head	99.20	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-7.58*	
		For >100 To 500, Deduct	*-13.71*	
		For >500 To 1,000, Deduct	*-26.76*	
		For >1,000, Deduct	*-37.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0137	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	93.55	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-7.30*	
		For >100 To 500, Deduct	*-13.00*	
		For >500 To 1,000, Deduct	*-25.74*	
		For >1,000, Deduct	*-36.22*	
21 13 13 00-0138	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	96.40	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-7.44*	
		For >100 To 500, Deduct	*-13.36*	
		For >500 To 1,000, Deduct	*-26.25*	
		For >1,000, Deduct	*-36.73*	
21 13 13 00-0139	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall White Wet Pipe Sprinkler Head	100.92	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-7.66*	
		For >100 To 500, Deduct	*-13.92*	
		For >500 To 1,000, Deduct	*-27.07*	
		For >1,000, Deduct	*-37.54*	
21 13 13 00-0140	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	103.84	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-7.81*	
		For >100 To 500, Deduct	*-14.29*	
		For >500 To 1,000, Deduct	*-27.59*	
		For >1,000, Deduct	*-38.07*	
21 13 13 00-0141	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	108.40	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-8.04*	
		For >100 To 500, Deduct	*-14.86*	
		For >500 To 1,000, Deduct	*-28.41*	
		For >1,000, Deduct	*-38.89*	
21 13 13 00-0142	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	111.97	14.54
		For >25 To 50, Deduct	*-2.91*	
		For >50 To 100, Deduct	*-8.51*	
		For >100 To 500, Deduct	*-15.45*	
		For >500 To 1,000, Deduct	*-30.05*	
		For >1,000, Deduct	*-41.68*	
21 13 13 00-0143	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	118.81	14.54
		For >25 To 50, Deduct	*-2.91*	
		For >50 To 100, Deduct	*-8.85*	
		For >100 To 500, Deduct	*-16.31*	
		For >500 To 1,000, Deduct	*-31.28*	
		For >1,000, Deduct	*-42.92*	
21 13 13 00-0144	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	113.68	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-8.30*	
		For >100 To 500, Deduct	*-15.52*	
		For >500 To 1,000, Deduct	*-29.37*	
		For >1,000, Deduct	*-39.84*	
21 13 13 00-0145	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	118.21	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-8.53*	
		For >100 To 500, Deduct	*-16.09*	
		For >500 To 1,000, Deduct	*-30.18*	
		For >1,000, Deduct	*-40.65*	
21 13 13 00-0146	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	113.68	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-8.30*	
		For >100 To 500, Deduct	*-15.52*	
		For >500 To 1,000, Deduct	*-29.37*	
		For >1,000, Deduct	*-39.84*	
21 13 13 00-0147	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	118.21	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-8.53*	
		For >100 To 500, Deduct	*-16.09*	
		For >500 To 1,000, Deduct	*-30.18*	
		For >1,000, Deduct	*-40.65*	
21 13 13 00-0148	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	89.58	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-7.10*	
		For >100 To 500, Deduct	*-12.51*	
		For >500 To 1,000, Deduct	*-25.03*	
		For >1,000, Deduct	*-35.50*	
21 13 13 00-0149	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	91.89	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-7.21*	
		For >100 To 500, Deduct	*-12.80*	
		For >500 To 1,000, Deduct	*-25.44*	
		For >1,000, Deduct	*-35.92*	
21 13 13 00-0150	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head	94.78	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-7.36*	
		For >100 To 500, Deduct	*-13.16*	
		For >500 To 1,000, Deduct	*-25.96*	
		For >1,000, Deduct	*-36.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0151	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	98.11	14.54
		For >25 To 50, Deduct	*-2.91*	
		For >50 To 100, Deduct	*-7.82*	
		For >100 To 500, Deduct	*-13.72*	
		For >500 To 1,000, Deduct	*-27.55*	
		For >1,000, Deduct	*-39.19*	
21 13 13 00-0152	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	100.60	14.54
		For >25 To 50, Deduct	*-2.91*	
		For >50 To 100, Deduct	*-7.94*	
		For >100 To 500, Deduct	*-14.03*	
		For >500 To 1,000, Deduct	*-28.00*	
		For >1,000, Deduct	*-39.64*	
21 13 13 00-0153	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head	103.28	14.54
		For >25 To 50, Deduct	*-2.91*	
		For >50 To 100, Deduct	*-8.07*	
		For >100 To 500, Deduct	*-14.36*	
		For >500 To 1,000, Deduct	*-28.48*	
		For >1,000, Deduct	*-40.12*	
21 13 13 00-0154	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	100.08	14.54
		For >25 To 50, Deduct	*-2.91*	
		For >50 To 100, Deduct	*-7.91*	
		For >100 To 500, Deduct	*-13.96*	
		For >500 To 1,000, Deduct	*-27.91*	
		For >1,000, Deduct	*-39.54*	
21 13 13 00-0155	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	102.66	14.54
		For >25 To 50, Deduct	*-2.91*	
		For >50 To 100, Deduct	*-8.04*	
		For >100 To 500, Deduct	*-14.29*	
		For >500 To 1,000, Deduct	*-28.37*	
		For >1,000, Deduct	*-40.01*	
21 13 13 00-0156	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head	105.45	14.54
		For >25 To 50, Deduct	*-2.91*	
		For >50 To 100, Deduct	*-8.18*	
		For >100 To 500, Deduct	*-14.64*	
		For >500 To 1,000, Deduct	*-28.87*	
		For >1,000, Deduct	*-40.51*	
21 13 13 00-0157	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	105.49	14.54
		For >25 To 50, Deduct	*-2.91*	
		For >50 To 100, Deduct	*-8.18*	
		For >100 To 500, Deduct	*-14.64*	
		For >500 To 1,000, Deduct	*-28.88*	
		For >1,000, Deduct	*-40.52*	
21 13 13 00-0158	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	109.30	14.54
		For >25 To 50, Deduct	*-2.91*	
		For >50 To 100, Deduct	*-8.37*	
		For >100 To 500, Deduct	*-15.12*	
		For >500 To 1,000, Deduct	*-29.57*	
		For >1,000, Deduct	*-41.20*	
21 13 13 00-0159	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head	109.30	14.54
		For >25 To 50, Deduct	*-2.91*	
		For >50 To 100, Deduct	*-8.37*	
		For >100 To 500, Deduct	*-15.12*	
		For >500 To 1,000, Deduct	*-29.57*	
		For >1,000, Deduct	*-41.20*	
21 13 13 00-0160	EA	1/2" NPT Thread, 1/2" Orifice, Decorative Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	182.16	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-11.73*	
		For >100 To 500, Deduct	*-24.08*	
		For >500 To 1,000, Deduct	*-41.69*	
		For >1,000, Deduct	*-52.17*	
21 13 13 00-0161	EA	1/2" NPT Thread, 1/2" Orifice, Decorative Horizontal Sidewall White Wet Pipe Sprinkler Head	182.16	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-11.73*	
		For >100 To 500, Deduct	*-24.08*	
		For >500 To 1,000, Deduct	*-41.69*	
		For >1,000, Deduct	*-52.17*	
21 13 13 00-0162	EA	1/2" NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall Brass Wet Pipe Sprinkler Head	90.54	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-7.15*	
		For >100 To 500, Deduct	*-12.63*	
		For >500 To 1,000, Deduct	*-25.20*	
		For >1,000, Deduct	*-35.67*	
21 13 13 00-0163	EA	1/2" NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	90.54	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-7.15*	
		For >100 To 500, Deduct	*-12.63*	
		For >500 To 1,000, Deduct	*-25.20*	
		For >1,000, Deduct	*-35.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0164	EA	1/2" NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall White Wet Pipe Sprinkler Head	90.54	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-7.15*	
		For >100 To 500, Deduct	*-12.63*	
		For >500 To 1,000, Deduct	*-25.20*	
		For >1,000, Deduct	*-35.67*	
21 13 13 00-0165		Vertical Sidewall Wet-Pipe Sprinkler Heads *(21 13 13 00-0132)*		
21 13 13 00-0166	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall Brass Wet Pipe Sprinkler Head	95.60	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-7.40*	
		For >100 To 500, Deduct	*-13.26*	
		For >500 To 1,000, Deduct	*-26.11*	
		For >1,000, Deduct	*-36.58*	
21 13 13 00-0167	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall Chrome Wet Pipe Sprinkler Head	99.10	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-7.57*	
		For >100 To 500, Deduct	*-13.70*	
		For >500 To 1,000, Deduct	*-26.74*	
		For >1,000, Deduct	*-37.21*	
21 13 13 00-0168	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall White Wet Pipe Sprinkler Head	100.60	13.09
		For >25 To 50, Deduct	*-2.62*	
		For >50 To 100, Deduct	*-7.65*	
		For >100 To 500, Deduct	*-13.88*	
		For >500 To 1,000, Deduct	*-27.01*	
		For >1,000, Deduct	*-37.48*	
21 13 13 00-0169		Concealed Wet Pipe Sprinkler Heads *(21 13 13 00-0024)*		
21 13 13 00-0170		Concealed Pendant Wet-Pipe Sprinkler Heads *(21 13 13 00-0169)*		
21 13 13 00-0171	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Brass Wet Pipe Sprinkler Head, Low Lead Note: Excludes cover plate	138.58	17.46
		For >25 To 50, Deduct	*-3.49*	
		For >50 To 100, Deduct	*-10.42*	
		For >100 To 500, Deduct	*-19.07*	
		For >500 To 1,000, Deduct	*-36.82*	
		For >1,000, Deduct	*-50.78*	
21 13 13 00-0172	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Brass Wet Pipe Sprinkler Head Note: Excludes cover plate	97.54	17.46
		For >25 To 50, Deduct	*-3.49*	
		For >50 To 100, Deduct	*-8.37*	
		For >100 To 500, Deduct	*-13.94*	
		For >500 To 1,000, Deduct	*-29.43*	
		For >1,000, Deduct	*-43.39*	
21 13 13 00-0173	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Concealed Pendent Brass Wet Pipe Sprinkler Head Note: Excludes cover plate	99.04	17.46
		For >25 To 50, Deduct	*-3.49*	
		For >50 To 100, Deduct	*-8.44*	
		For >100 To 500, Deduct	*-14.13*	
		For >500 To 1,000, Deduct	*-29.70*	
		For >1,000, Deduct	*-43.66*	
21 13 13 00-0174	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Concealed Pendent Brass Wet Pipe Sprinkler Head Note: Excludes cover plate	125.21	18.92
		For >25 To 50, Deduct	*-3.78*	
		For >50 To 100, Deduct	*-10.04*	
		For >100 To 500, Deduct	*-17.54*	
		For >500 To 1,000, Deduct	*-35.40*	
		For >1,000, Deduct	*-50.53*	
21 13 13 00-0175	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Concealed Pendent Brass Wet Pipe Sprinkler Head Note: Excludes cover plate	119.39	17.46
		For >25 To 50, Deduct	*-3.49*	
		For >50 To 100, Deduct	*-9.46*	
		For >100 To 500, Deduct	*-16.67*	
		For >500 To 1,000, Deduct	*-33.36*	
		For >1,000, Deduct	*-47.33*	
21 13 13 00-0176	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Concealed Pendent Brass Wet Pipe Sprinkler Head Note: Excludes cover plate	119.39	17.46
		For >25 To 50, Deduct	*-3.49*	
		For >50 To 100, Deduct	*-9.46*	
		For >100 To 500, Deduct	*-16.67*	
		For >500 To 1,000, Deduct	*-33.36*	
		For >1,000, Deduct	*-47.33*	
21 13 13 00-0177	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head Note: Excludes cover plate	125.21	18.92
		For >25 To 50, Deduct	*-3.78*	
		For >50 To 100, Deduct	*-10.04*	
		For >100 To 500, Deduct	*-17.54*	
		For >500 To 1,000, Deduct	*-35.40*	
		For >1,000, Deduct	*-50.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0178	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head	109.79	17.46
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-3.49*	
		For >50 To 100, Deduct	*-8.98*	
		For >100 To 500, Deduct	*-15.47*	
		For >500 To 1,000, Deduct	*-31.63*	
		For >1,000, Deduct	*-45.60*	
21 13 13 00-0179	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head	119.39	17.46
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-3.49*	
		For >50 To 100, Deduct	*-9.46*	
		For >100 To 500, Deduct	*-16.67*	
		For >500 To 1,000, Deduct	*-33.36*	
		For >1,000, Deduct	*-47.33*	
21 13 13 00-0180	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head	119.39	17.46
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-3.49*	
		For >50 To 100, Deduct	*-9.46*	
		For >100 To 500, Deduct	*-16.67*	
		For >500 To 1,000, Deduct	*-33.36*	
		For >1,000, Deduct	*-47.33*	
21 13 13 00-0181	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head	112.06	17.46
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-3.49*	
		For >50 To 100, Deduct	*-9.09*	
		For >100 To 500, Deduct	*-15.75*	
		For >500 To 1,000, Deduct	*-32.04*	
		For >1,000, Deduct	*-46.01*	
21 13 13 00-0182	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Adjustable Concealed Pendent Brass Wet Pipe Sprinkler Head	188.25	20.37
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-4.07*	
		For >50 To 100, Deduct	*-13.49*	
		For >100 To 500, Deduct	*-25.57*	
		For >500 To 1,000, Deduct	*-47.73*	
		For >1,000, Deduct	*-64.03*	
21 13 13 00-0183	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head	105.00	17.46
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-3.49*	
		For >50 To 100, Deduct	*-8.74*	
		For >100 To 500, Deduct	*-14.87*	
		For >500 To 1,000, Deduct	*-30.77*	
		For >1,000, Deduct	*-44.74*	
21 13 13 00-0184	EA	3/4" NPT Thread, 17/32" Orifice, K=5.6, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head	110.20	18.92
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-3.78*	
		For >50 To 100, Deduct	*-9.29*	
		For >100 To 500, Deduct	*-15.67*	
		For >500 To 1,000, Deduct	*-32.70*	
		For >1,000, Deduct	*-47.83*	
21 13 13 00-0185	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head	106.35	17.46
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-3.49*	
		For >50 To 100, Deduct	*-8.81*	
		For >100 To 500, Deduct	*-15.04*	
		For >500 To 1,000, Deduct	*-31.01*	
		For >1,000, Deduct	*-44.98*	
21 13 13 00-0186	EA	3/4" NPT Thread, 17/32" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head	112.17	18.92
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-3.78*	
		For >50 To 100, Deduct	*-9.39*	
		For >100 To 500, Deduct	*-15.91*	
		For >500 To 1,000, Deduct	*-33.05*	
		For >1,000, Deduct	*-48.18*	
21 13 13 00-0187	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head	125.84	18.92
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-3.78*	
		For >50 To 100, Deduct	*-10.07*	
		For >100 To 500, Deduct	*-17.62*	
		For >500 To 1,000, Deduct	*-35.51*	
		For >1,000, Deduct	*-50.64*	
21 13 13 00-0188	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Non-Ferrous Sprinkler Head With Escutcheon And Adjustable Chrome Cover Plate	219.38	20.37
		For >25 To 50, Deduct	*-4.07*	
		For >50 To 100, Deduct	*-15.04*	
		For >100 To 500, Deduct	*-29.46*	
		For >500 To 1,000, Deduct	*-53.34*	
		For >1,000, Deduct	*-69.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0189	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Non-Ferrous Sprinkler Head With Escutcheon And Adjustable White Cover Plate	219.38	20.37
		For >25 To 50, Deduct	*-4.07*	
		For >50 To 100, Deduct	*-15.04*	
		For >100 To 500, Deduct	*-29.46*	
		For >500 To 1,000, Deduct	*-53.34*	
		For >1,000, Deduct	*-69.63*	

21 13 13 00-0190 Concealed Horizontal Side Wall Wet-Pipe Sprinkler Heads *(21 13 13 00-0169)*

21 13 13 00-0191	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head	150.00	17.46
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-3.49*	
		For >50 To 100, Deduct	*-10.99*	
		For >100 To 500, Deduct	*-20.50*	
		For >500 To 1,000, Deduct	*-38.87*	
		For >1,000, Deduct	*-52.84*	
21 13 13 00-0192	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head	169.18	18.92
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-3.78*	
		For >50 To 100, Deduct	*-12.24*	
		For >100 To 500, Deduct	*-23.04*	
		For >500 To 1,000, Deduct	*-43.31*	
		For >1,000, Deduct	*-58.44*	
21 13 13 00-0193	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Extended Coverage, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head	116.62	17.46
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-3.49*	
		For >50 To 100, Deduct	*-9.32*	
		For >100 To 500, Deduct	*-16.32*	
		For >500 To 1,000, Deduct	*-32.86*	
		For >1,000, Deduct	*-46.83*	
21 13 13 00-0194	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head	117.36	18.92
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-3.78*	
		For >50 To 100, Deduct	*-9.65*	
		For >100 To 500, Deduct	*-16.56*	
		For >500 To 1,000, Deduct	*-33.99*	
		For >1,000, Deduct	*-49.12*	

21 13 13 00-0195 Institutional Tamper Resistant Wet Pipe Sprinkler Heads *(21 13 13 00-0024)*

21 13 13 00-0196	EA	1/2" NPT Thread, K=5.6, Institutional Tamper Resistant, Pendant Chrome Wet Pipe Sprinkler Head	368.68	14.54
		Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet.		
		For >25 To 50, Deduct	*-2.91*	
		For >50 To 100, Deduct	*-21.34*	
		For >100 To 500, Deduct	*-47.54*	
		For >500 To 1,000, Deduct	*-76.25*	
		For >1,000, Deduct	*-87.89*	
21 13 13 00-0197	EA	1/2" NPT Thread, K=5.6, Institutional Tamper Resistant, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	359.71	14.54
		Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet.		
		For >25 To 50, Deduct	*-2.91*	
		For >50 To 100, Deduct	*-20.90*	
		For >100 To 500, Deduct	*-46.42*	
		For >500 To 1,000, Deduct	*-74.64*	
		For >1,000, Deduct	*-86.28*	
21 13 13 00-0198	EA	1/2" NPT Thread, K=5.6, Quick Response, Institutional Tamper Resistant, Pendant Chrome Wet Pipe Sprinkler Head	153.13	14.54
		For >25 To 50, Deduct	*-2.91*	
		For >50 To 100, Deduct	*-10.57*	
		For >100 To 500, Deduct	*-20.60*	
		For >500 To 1,000, Deduct	*-37.46*	
		For >1,000, Deduct	*-49.09*	
21 13 13 00-0199	EA	1/2" NPT Thread, K=5.6, Quick Response , Institutional Tamper Resistant, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	171.74	14.54
		For >25 To 50, Deduct	*-2.91*	
		For >50 To 100, Deduct	*-11.50*	
		For >100 To 500, Deduct	*-22.92*	
		For >500 To 1,000, Deduct	*-40.81*	
		For >1,000, Deduct	*-52.44*	

21 13 13 00-0200 Wet Pipe Sprinkler Head Accessories *(21 13 13 00-0011)*

21 13 13 00-0201 Sprinkler Adjustable Steel Drop Nipple *(21 13 13 00-0200)*

21 13 13 00-0202	EA	1" Male NPT x 1/2" Female NPT x 4.125" Minimum Length To 5.125" Maximum Length, Adjustable Steel Drop Nipple (Anvil M1.150)	60.40	14.74
		For >25 To 50, Deduct	*-1.23*	
		For >50 To 100, Deduct	*-4.25*	
		For >100 To 500, Deduct	*-8.16*	
		For >500 To 1,000, Deduct	*-15.05*	
		For >1,000, Deduct	*-19.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0203	EA	1" Male NPT x 1/2" Female NPT x 6.125" Minimum Length To 9.125" Maximum Length, Adjustable Steel Drop Nipple (Anvil M3.150)	60.40	14.74
		For >25 To 50, Deduct	*-1.23*	
		For >50 To 100, Deduct	*-4.25*	
		For >100 To 500, Deduct	*-8.16*	
		For >500 To 1,000, Deduct	*-15.05*	
		For >1,000, Deduct	*-19.97*	
21 13 13 00-0204	EA	1" Male NPT x 1/2" Female NPT x 7.875" Minimum Length To 10.875" Maximum Length, Adjustable Steel Drop Nipple (Anvil ME3.150)	61.14	14.74
		For >25 To 50, Deduct	*-1.23*	
		For >50 To 100, Deduct	*-4.29*	
		For >100 To 500, Deduct	*-8.26*	
		For >500 To 1,000, Deduct	*-15.18*	
		For >1,000, Deduct	*-20.10*	
21 13 13 00-0205	EA	1" Female NPT x 1/2" Female NPT x 3.5" Minimum Length To 4.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F1.150)	53.60	14.74
		For >25 To 50, Deduct	*-1.23*	
		For >50 To 100, Deduct	*-3.91*	
		For >100 To 500, Deduct	*-7.31*	
		For >500 To 1,000, Deduct	*-13.83*	
		For >1,000, Deduct	*-18.74*	
21 13 13 00-0206	EA	1" Female NPT x 1/2" Female NPT x 4.5" Minimum Length To 6.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F2.150)	53.60	14.74
		For >25 To 50, Deduct	*-1.23*	
		For >50 To 100, Deduct	*-3.91*	
		For >100 To 500, Deduct	*-7.31*	
		For >500 To 1,000, Deduct	*-13.83*	
		For >1,000, Deduct	*-18.74*	
21 13 13 00-0207	EA	1" Female NPT x 1/2" Female NPT x 5.5" Minimum Length To 8.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F3.150)	53.60	14.74
		For >25 To 50, Deduct	*-1.23*	
		For >50 To 100, Deduct	*-3.91*	
		For >100 To 500, Deduct	*-7.31*	
		For >500 To 1,000, Deduct	*-13.83*	
		For >1,000, Deduct	*-18.74*	
21 13 13 00-0208	EA	1" Female NPT x 3/4" Female NPT x 7.35" Minimum Length To 10.35" Maximum Length, Adjustable Steel Drop Nipple (Anvil F3.175)	59.96	16.03
		For >25 To 50, Deduct	*-1.34*	
		For >50 To 100, Deduct	*-4.33*	
		For >100 To 500, Deduct	*-8.16*	
		For >500 To 1,000, Deduct	*-15.34*	
		For >1,000, Deduct	*-20.68*	

21 13 13 00-0209 Sprinkler Head Escutcheon *(21 13 13 00-0200)*

21 13 13 00-0210	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Recessed Escutcheon	23.41	5.24
		For >25 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-1.61*	
		For >100 To 500, Deduct	*-3.14*	
		For >500 To 1,000, Deduct	*-5.70*	
		For >1,000, Deduct	*-7.44*	
21 13 13 00-0211	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Recessed Escutcheon	16.00	5.24
		For >25 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-1.24*	
		For >100 To 500, Deduct	*-2.22*	
		For >500 To 1,000, Deduct	*-4.36*	
		For >1,000, Deduct	*-6.11*	
21 13 13 00-0212	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, White Sprinkler Head Recessed Escutcheon	16.00	5.24
		For >25 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-1.24*	
		For >100 To 500, Deduct	*-2.22*	
		For >500 To 1,000, Deduct	*-4.36*	
		For >1,000, Deduct	*-6.11*	
21 13 13 00-0213	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Recessed Escutcheon	23.41	5.24
		For >25 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-1.61*	
		For >100 To 500, Deduct	*-3.14*	
		For >500 To 1,000, Deduct	*-5.70*	
		For >1,000, Deduct	*-7.44*	
21 13 13 00-0214	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Recessed Escutcheon	16.00	5.24
		For >25 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-1.24*	
		For >100 To 500, Deduct	*-2.22*	
		For >500 To 1,000, Deduct	*-4.36*	
		For >1,000, Deduct	*-6.11*	
21 13 13 00-0215	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, White Sprinkler Head Recessed Escutcheon	16.00	5.24
		For >25 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-1.24*	
		For >100 To 500, Deduct	*-2.22*	
		For >500 To 1,000, Deduct	*-4.36*	
		For >1,000, Deduct	*-6.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0216	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Recessed Escutcheon	22.07	5.24
		For >25 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-1.54*	
		For >100 To 500, Deduct	*-2.98*	
		For >500 To 1,000, Deduct	*-5.46*	
		For >1,000, Deduct	*-7.20*	
21 13 13 00-0217	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Recessed Escutcheon	16.00	5.24
		For >25 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-1.24*	
		For >100 To 500, Deduct	*-2.22*	
		For >500 To 1,000, Deduct	*-4.36*	
		For >1,000, Deduct	*-6.11*	
21 13 13 00-0218	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, White Sprinkler Head Recessed Escutcheon	16.00	5.24
		For >25 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-1.24*	
		For >100 To 500, Deduct	*-2.22*	
		For >500 To 1,000, Deduct	*-4.36*	
		For >1,000, Deduct	*-6.11*	
21 13 13 00-0219	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Recessed Escutcheon	22.07	5.24
		For >25 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-1.54*	
		For >100 To 500, Deduct	*-2.98*	
		For >500 To 1,000, Deduct	*-5.46*	
		For >1,000, Deduct	*-7.20*	
21 13 13 00-0220	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Recessed Escutcheon	16.00	5.24
		For >25 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-1.24*	
		For >100 To 500, Deduct	*-2.22*	
		For >500 To 1,000, Deduct	*-4.36*	
		For >1,000, Deduct	*-6.11*	
21 13 13 00-0221	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, White Sprinkler Head Recessed Escutcheon	16.00	5.24
		For >25 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-1.24*	
		For >100 To 500, Deduct	*-2.22*	
		For >500 To 1,000, Deduct	*-4.36*	
		For >1,000, Deduct	*-6.11*	
21 13 13 00-0222	EA	3-7/32" Diameter x 15/16" Depth, Two Piece, 1/2" NPT, Push-On/Thread-Off Chrome Sprinkler Head Recessed Escutcheon	22.74	5.24
		For >25 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-1.57*	
		For >100 To 500, Deduct	*-3.06*	
		For >500 To 1,000, Deduct	*-5.58*	
		For >1,000, Deduct	*-7.32*	
21 13 13 00-0223	EA	3-7/32" Diameter x 15/16" Depth, Two Piece, 1/2" NPT, Push-On/Thread-Off White Sprinkler Head Recessed Escutcheon	22.74	5.24
		For >25 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-1.57*	
		For >100 To 500, Deduct	*-3.06*	
		For >500 To 1,000, Deduct	*-5.58*	
		For >1,000, Deduct	*-7.32*	
21 13 13 00-0224	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, Brass Sprinkler Head Escutcheon	8.79	3.84
		For >25 To 50, Deduct	*-0.29*	
		For >50 To 100, Deduct	*-0.73*	
		For >100 To 500, Deduct	*-1.24*	
		For >500 To 1,000, Deduct	*-2.57*	
		For >1,000, Deduct	*-3.74*	
21 13 13 00-0225	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, Chrome Sprinkler Head Escutcheon	7.86	3.84
		For >25 To 50, Deduct	*-0.29*	
		For >50 To 100, Deduct	*-0.68*	
		For >100 To 500, Deduct	*-1.13*	
		For >500 To 1,000, Deduct	*-2.40*	
		For >1,000, Deduct	*-3.57*	
21 13 13 00-0226	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, White Sprinkler Head Escutcheon	8.11	3.84
		For >25 To 50, Deduct	*-0.29*	
		For >50 To 100, Deduct	*-0.70*	
		For >100 To 500, Deduct	*-1.16*	
		For >500 To 1,000, Deduct	*-2.45*	
		For >1,000, Deduct	*-3.61*	
21 13 13 00-0227	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, Brass Sprinkler Head Escutcheon	8.96	3.84
		For >25 To 50, Deduct	*-0.29*	
		For >50 To 100, Deduct	*-0.74*	
		For >100 To 500, Deduct	*-1.27*	
		For >500 To 1,000, Deduct	*-2.60*	
		For >1,000, Deduct	*-3.77*	
21 13 13 00-0228	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, Chrome Sprinkler Head Escutcheon	8.03	3.84
		For >25 To 50, Deduct	*-0.29*	
		For >50 To 100, Deduct	*-0.69*	
		For >100 To 500, Deduct	*-1.15*	
		For >500 To 1,000, Deduct	*-2.43*	
		For >1,000, Deduct	*-3.60*	
21 13 13 00-0229	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, White Sprinkler Head Escutcheon	8.03	3.84
		For >25 To 50, Deduct	*-0.29*	
		For >50 To 100, Deduct	*-0.69*	
		For >100 To 500, Deduct	*-1.15*	
		For >500 To 1,000, Deduct	*-2.43*	
		For >1,000, Deduct	*-3.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0230	EA	2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, Bright Brass Sprinkler Head Escutcheon	9.93	3.84
		For >25 To 50, Deduct	*-0.29*	
		For >50 To 100, Deduct	*-0.79*	
		For >100 To 500, Deduct	*-1.39*	
		For >500 To 1,000, Deduct	*-2.78*	
		For >1,000, Deduct	*-3.94*	
21 13 13 00-0231	EA	2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, Chrome Sprinkler Head Escutcheon	8.00	3.84
		For >25 To 50, Deduct	*-0.29*	
		For >50 To 100, Deduct	*-0.69*	
		For >100 To 500, Deduct	*-1.15*	
		For >500 To 1,000, Deduct	*-2.43*	
		For >1,000, Deduct	*-3.59*	
21 13 13 00-0232	EA	2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, White Sprinkler Head Escutcheon	8.00	3.84
		For >25 To 50, Deduct	*-0.29*	
		For >50 To 100, Deduct	*-0.69*	
		For >100 To 500, Deduct	*-1.15*	
		For >500 To 1,000, Deduct	*-2.43*	
		For >1,000, Deduct	*-3.59*	
21 13 13 00-0233	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Telescoping Escutcheon	13.32	5.38
		For >25 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-1.07*	
		For >100 To 500, Deduct	*-1.87*	
		For >500 To 1,000, Deduct	*-3.78*	
		For >1,000, Deduct	*-5.41*	
21 13 13 00-0234	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Telescoping Escutcheon	12.82	5.38
		For >25 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-1.05*	
		For >100 To 500, Deduct	*-1.81*	
		For >500 To 1,000, Deduct	*-3.69*	
		For >1,000, Deduct	*-5.32*	
21 13 13 00-0235	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, White Sprinkler Head Telescoping Escutcheon	12.99	5.38
		For >25 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-1.06*	
		For >100 To 500, Deduct	*-1.83*	
		For >500 To 1,000, Deduct	*-3.72*	
		For >1,000, Deduct	*-5.35*	
21 13 13 00-0236	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Telescoping Escutcheon	13.49	5.38
		For >25 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-1.08*	
		For >100 To 500, Deduct	*-1.89*	
		For >500 To 1,000, Deduct	*-3.81*	
		For >1,000, Deduct	*-5.44*	
21 13 13 00-0237	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Telescoping Escutcheon	12.99	5.38
		For >25 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-1.06*	
		For >100 To 500, Deduct	*-1.83*	
		For >500 To 1,000, Deduct	*-3.72*	
		For >1,000, Deduct	*-5.35*	
21 13 13 00-0238	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, White Sprinkler Head Telescoping Escutcheon	13.32	5.38
		For >25 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-1.07*	
		For >100 To 500, Deduct	*-1.87*	
		For >500 To 1,000, Deduct	*-3.78*	
		For >1,000, Deduct	*-5.41*	
21 13 13 00-0239	EA	Flat Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	28.85	5.24
		For >25 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-1.88*	
		For >100 To 500, Deduct	*-3.82*	
		For >500 To 1,000, Deduct	*-6.68*	
		For >1,000, Deduct	*-8.42*	
21 13 13 00-0240	EA	Flat White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	28.85	5.24
		For >25 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-1.88*	
		For >100 To 500, Deduct	*-3.82*	
		For >500 To 1,000, Deduct	*-6.68*	
		For >1,000, Deduct	*-8.42*	
21 13 13 00-0241	EA	Conical Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	28.85	5.24
		For >25 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-1.88*	
		For >100 To 500, Deduct	*-3.82*	
		For >500 To 1,000, Deduct	*-6.68*	
		For >1,000, Deduct	*-8.42*	
21 13 13 00-0242	EA	Conical White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	28.85	5.24
		For >25 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-1.88*	
		For >100 To 500, Deduct	*-3.82*	
		For >500 To 1,000, Deduct	*-6.68*	
		For >1,000, Deduct	*-8.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0243	EA	Chrome Sprinkler Head Escutcheon For Decorative Horizontal Sidewall Sprinkler Head	28.85	5.24
		For >25 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-1.88*	
		For >100 To 500, Deduct	*-3.82*	
		For >500 To 1,000, Deduct	*-6.68*	
		For >1,000, Deduct	*-8.42*	
21 13 13 00-0244	EA	White Sprinkler Head Escutcheon For Decorative Horizontal Sidewall Sprinkler Head	28.85	5.24
		For >25 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-1.88*	
		For >100 To 500, Deduct	*-3.82*	
		For >500 To 1,000, Deduct	*-6.68*	
		For >1,000, Deduct	*-8.42*	
21 13 13 00-0245	EA	2-Piece Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	33.45	5.24
		For >25 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-2.11*	
		For >100 To 500, Deduct	*-4.40*	
		For >500 To 1,000, Deduct	*-7.51*	
		For >1,000, Deduct	*-9.25*	
21 13 13 00-0246	EA	2-Piece White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	34.52	5.24
		For >25 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-2.16*	
		For >100 To 500, Deduct	*-4.53*	
		For >500 To 1,000, Deduct	*-7.70*	
		For >1,000, Deduct	*-9.44*	

21 13 13 00-0247 Cover Plate For Sprinkler Heads *(21 13 13 00-0200)*

21 13 13 00-0248	EA	Chrome Cover Plate For Concealed Pendent Sprinkler Head	69.71	5.93
		For >25 To 50, Deduct	*-0.49*	
		For >50 To 100, Deduct	*-3.98*	
		For >100 To 500, Deduct	*-8.96*	
		For >500 To 1,000, Deduct	*-14.23*	
		For >1,000, Deduct	*-16.21*	
21 13 13 00-0249	EA	White Cover Plate For Concealed Pendent Sprinkler Head	33.20	5.93
		For >25 To 50, Deduct	*-0.49*	
		For >50 To 100, Deduct	*-2.15*	
		For >100 To 500, Deduct	*-4.40*	
		For >500 To 1,000, Deduct	*-7.66*	
		For >1,000, Deduct	*-9.64*	
21 13 13 00-0250	EA	Specialty Cover Plate For Concealed Pendent Sprinkler Head	49.03	5.93
		For >25 To 50, Deduct	*-0.49*	
		For >50 To 100, Deduct	*-2.95*	
		For >100 To 500, Deduct	*-6.38*	
		For >500 To 1,000, Deduct	*-10.51*	
		For >1,000, Deduct	*-12.48*	
21 13 13 00-0251	EA	Brass Cover Plate For Concealed Sidewall Sprinkler Head	44.93	5.93
		For >25 To 50, Deduct	*-0.49*	
		For >50 To 100, Deduct	*-2.74*	
		For >100 To 500, Deduct	*-5.86*	
		For >500 To 1,000, Deduct	*-9.77*	
		For >1,000, Deduct	*-11.75*	
21 13 13 00-0252	EA	Chrome Cover Plate For Concealed Sidewall Sprinkler Head	35.61	5.93
		For >25 To 50, Deduct	*-0.49*	
		For >50 To 100, Deduct	*-2.28*	
		For >100 To 500, Deduct	*-4.70*	
		For >500 To 1,000, Deduct	*-8.09*	
		For >1,000, Deduct	*-10.07*	
21 13 13 00-0253	EA	White Cover Plate For Concealed Sidewall Sprinkler Head	35.61	5.93
		For >25 To 50, Deduct	*-0.49*	
		For >50 To 100, Deduct	*-2.28*	
		For >100 To 500, Deduct	*-4.70*	
		For >500 To 1,000, Deduct	*-8.09*	
		For >1,000, Deduct	*-10.07*	
21 13 13 00-0254	EA	Off-White Cover Plate For Concealed Sidewall Sprinkler Head	44.93	5.93
		For >25 To 50, Deduct	*-0.49*	
		For >50 To 100, Deduct	*-2.74*	
		For >100 To 500, Deduct	*-5.86*	
		For >500 To 1,000, Deduct	*-9.77*	
		For >1,000, Deduct	*-11.75*	
21 13 13 00-0255	EA	Black Painted Cover Plate For Concealed Sidewall Sprinkler Head	44.93	5.93
		For >25 To 50, Deduct	*-0.49*	
		For >50 To 100, Deduct	*-2.74*	
		For >100 To 500, Deduct	*-5.86*	
		For >500 To 1,000, Deduct	*-9.77*	
		For >1,000, Deduct	*-11.75*	
21 13 13 00-0256	EA	Black Plated Cover Plate For Concealed Sidewall Sprinkler Head	52.31	5.93
		For >25 To 50, Deduct	*-0.49*	
		For >50 To 100, Deduct	*-3.11*	
		For >100 To 500, Deduct	*-6.79*	
		For >500 To 1,000, Deduct	*-11.10*	
		For >1,000, Deduct	*-13.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0257	EA	Bright Brass Cover Plate For Concealed Sidewall Sprinkler Head	52.31	5.93
		For >25 To 50, Deduct	*-0.49*	
		For >50 To 100, Deduct	*-3.11*	
		For >100 To 500, Deduct	*-6.79*	
		For >500 To 1,000, Deduct	*-11.10*	
		For >1,000, Deduct	*-13.08*	
21 13 13 00-0258	EA	Satin Chrome Cover Plate For Concealed Sidewall Sprinkler Head	52.31	5.93
		For >25 To 50, Deduct	*-0.49*	
		For >50 To 100, Deduct	*-3.11*	
		For >100 To 500, Deduct	*-6.79*	
		For >500 To 1,000, Deduct	*-11.10*	
		For >1,000, Deduct	*-13.08*	
21 13 13 00-0259	EA	Specialty Cover Plate For Concealed Sidewall Sprinkler Head	44.97	5.93
		For >25 To 50, Deduct	*-0.49*	
		For >50 To 100, Deduct	*-2.74*	
		For >100 To 500, Deduct	*-5.87*	
		For >500 To 1,000, Deduct	*-9.78*	
		For >1,000, Deduct	*-11.75*	
21 13 13 00-0260	EA	White Cover Plate For Quick Release Concealed Sidewall Sprinkler Head	77.43	6.98
		For >25 To 50, Deduct	*-0.58*	
		For >50 To 100, Deduct	*-4.45*	
		For >100 To 500, Deduct	*-9.97*	
		For >500 To 1,000, Deduct	*-15.91*	
		For >1,000, Deduct	*-18.24*	
21 13 13 00-0261		**Sprinkler Escutcheon Extension Tube** *(21 13 13 00-0200)*		
21 13 13 00-0262	EA	2.18" Diameter x 4" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube Note: For use with 2 piece escutcheons	17.39	3.50
		For >25 To 50, Deduct	*-0.29*	
		For >50 To 100, Deduct	*-1.16*	
		For >100 To 500, Deduct	*-2.32*	
		For >500 To 1,000, Deduct	*-4.12*	
		For >1,000, Deduct	*-5.28*	
21 13 13 00-0263	EA	2.18" Diameter x 6" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube Note: For use with 2 piece escutcheons	22.82	3.67
		For >25 To 50, Deduct	*-0.31*	
		For >50 To 100, Deduct	*-1.45*	
		For >100 To 500, Deduct	*-3.01*	
		For >500 To 1,000, Deduct	*-5.15*	
		For >1,000, Deduct	*-6.37*	
21 13 13 00-0264	EA	2.18" Diameter x 8" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube Note: For use with 2 piece escutcheons	28.89	3.84
		For >25 To 50, Deduct	*-0.32*	
		For >50 To 100, Deduct	*-1.76*	
		For >100 To 500, Deduct	*-3.77*	
		For >500 To 1,000, Deduct	*-6.29*	
		For >1,000, Deduct	*-7.57*	
21 13 13 00-0265	EA	2.18" Diameter x 10" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube Note: For use with 2 piece escutcheons	34.33	4.02
		For >25 To 50, Deduct	*-0.33*	
		For >50 To 100, Deduct	*-2.05*	
		For >100 To 500, Deduct	*-4.46*	
		For >500 To 1,000, Deduct	*-7.32*	
		For >1,000, Deduct	*-8.65*	
21 13 13 00-0266		**Sprinkler Head Guards** *(21 13 13 00-0200)*		
21 13 13 00-0267	EA	Universal Sprinkler Head Guard, C-1	24.82	10.48
		For >25 To 50, Deduct	*-0.87*	
		For >50 To 100, Deduct	*-2.11*	
		For >100 To 500, Deduct	*-3.54*	
		For >500 To 1,000, Deduct	*-7.44*	
		For >1,000, Deduct	*-10.93*	
21 13 13 00-0268	EA	Dry Pendent Sprinkler Head Guard, C-2	27.67	10.48
		For >25 To 50, Deduct	*-0.87*	
		For >50 To 100, Deduct	*-2.26*	
		For >100 To 500, Deduct	*-3.90*	
		For >500 To 1,000, Deduct	*-7.95*	
		For >1,000, Deduct	*-11.44*	
21 13 13 00-0269	EA	Upright Sprinkler Head Guard With Water Shield, C-3	32.53	10.48
		For >25 To 50, Deduct	*-0.87*	
		For >50 To 100, Deduct	*-2.50*	
		For >100 To 500, Deduct	*-4.50*	
		For >500 To 1,000, Deduct	*-8.82*	
		For >1,000, Deduct	*-12.32*	
21 13 13 00-0270	EA	Pendent Sprinkler Head Guard With Water Shield, C-5	38.53	10.48
		For >25 To 50, Deduct	*-0.87*	
		For >50 To 100, Deduct	*-2.80*	
		For >100 To 500, Deduct	*-5.25*	
		For >500 To 1,000, Deduct	*-9.90*	
		For >1,000, Deduct	*-13.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0271	EA	Universal Sprinkler Head Guard, D-1	27.56	10.48
		For >25 To 50, Deduct	*-0.87*	
		For >50 To 100, Deduct	*-2.25*	
		For >100 To 500, Deduct	*-3.88*	
		For >500 To 1,000, Deduct	*-7.93*	
		For >1,000, Deduct	*-11.42*	
21 13 13 00-0272	EA	Upright Sprinkler Head Guard With Water Shield, D-3	29.41	10.48
		For >25 To 50, Deduct	*-0.87*	
		For >50 To 100, Deduct	*-2.34*	
		For >100 To 500, Deduct	*-4.11*	
		For >500 To 1,000, Deduct	*-8.26*	
		For >1,000, Deduct	*-11.75*	
21 13 13 00-0273	EA	Pendent Sprinkler Head Guard With Large Water Shield, D-4	43.16	10.48
		For >25 To 50, Deduct	*-0.87*	
		For >50 To 100, Deduct	*-3.03*	
		For >100 To 500, Deduct	*-5.83*	
		For >500 To 1,000, Deduct	*-10.74*	
		For >1,000, Deduct	*-14.23*	
21 13 13 00-0274	EA	Pendent Sprinkler Head Guard With Small Water Shield, D-5	40.41	10.48
		For >25 To 50, Deduct	*-0.87*	
		For >50 To 100, Deduct	*-2.89*	
		For >100 To 500, Deduct	*-5.49*	
		For >500 To 1,000, Deduct	*-10.24*	
		For >1,000, Deduct	*-13.73*	

21 13 13 00-0275 Replacement Sprinkler Escutcheon *(21 13 13 00-0200)*

21 13 13 00-0276	EA	Push On, Brass Replacement Sprinkler Escutcheon	12.18	3.84
		For >25 To 50, Deduct	*-0.29*	
		For >50 To 100, Deduct	*-0.90*	
		For >100 To 500, Deduct	*-1.67*	
		For >500 To 1,000, Deduct	*-3.18*	
		For >1,000, Deduct	*-4.35*	
21 13 13 00-0277	EA	Push On, Chrome Replacement Sprinkler Escutcheon	12.10	3.84
		For >25 To 50, Deduct	*-0.29*	
		For >50 To 100, Deduct	*-0.90*	
		For >100 To 500, Deduct	*-1.66*	
		For >500 To 1,000, Deduct	*-3.17*	
		For >1,000, Deduct	*-4.33*	
21 13 13 00-0278	EA	Push On, White Replacement Sprinkler Escutcheon	12.10	3.84
		For >25 To 50, Deduct	*-0.29*	
		For >50 To 100, Deduct	*-0.90*	
		For >100 To 500, Deduct	*-1.66*	
		For >500 To 1,000, Deduct	*-3.17*	
		For >1,000, Deduct	*-4.33*	
21 13 13 00-0279	EA	Flush, Brass Replacement Sprinkler Escutcheon	12.10	3.84
		For >25 To 50, Deduct	*-0.29*	
		For >50 To 100, Deduct	*-0.90*	
		For >100 To 500, Deduct	*-1.66*	
		For >500 To 1,000, Deduct	*-3.17*	
		For >1,000, Deduct	*-4.33*	
21 13 13 00-0280	EA	Flush, Chrome Replacement Sprinkler Escutcheon	12.10	3.84
		For >25 To 50, Deduct	*-0.29*	
		For >50 To 100, Deduct	*-0.90*	
		For >100 To 500, Deduct	*-1.66*	
		For >500 To 1,000, Deduct	*-3.17*	
		For >1,000, Deduct	*-4.33*	
21 13 13 00-0281	EA	Flush, White Replacement Sprinkler Escutcheon	14.90	3.84
		For >25 To 50, Deduct	*-0.29*	
		For >50 To 100, Deduct	*-1.04*	
		For >100 To 500, Deduct	*-2.01*	
		For >500 To 1,000, Deduct	*-3.67*	
		For >1,000, Deduct	*-4.84*	
21 13 13 00-0282	EA	Deep, Brass Replacement Sprinkler Escutcheon	12.10	3.84
		For >25 To 50, Deduct	*-0.29*	
		For >50 To 100, Deduct	*-0.90*	
		For >100 To 500, Deduct	*-1.66*	
		For >500 To 1,000, Deduct	*-3.17*	
		For >1,000, Deduct	*-4.33*	
21 13 13 00-0283	EA	Deep, Chrome Replacement Sprinkler Escutcheon	12.10	3.84
		For >25 To 50, Deduct	*-0.29*	
		For >50 To 100, Deduct	*-0.90*	
		For >100 To 500, Deduct	*-1.66*	
		For >500 To 1,000, Deduct	*-3.17*	
		For >1,000, Deduct	*-4.33*	
21 13 13 00-0284	EA	Deep, White Replacement Sprinkler Escutcheon	12.10	3.84
		For >25 To 50, Deduct	*-0.29*	
		For >50 To 100, Deduct	*-0.90*	
		For >100 To 500, Deduct	*-1.66*	
		For >500 To 1,000, Deduct	*-3.17*	
		For >1,000, Deduct	*-4.33*	

21 13 13 00-0285 Pendent Shield And O-Ring Assembly *(21 13 13 00-0200)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0286	EA	Pendent Shield And O-Ring Assembly	19.18	7.69
		For >25 To 50, Deduct	*-0.58*	
		For >50 To 100, Deduct	*-1.54*	
		For >100 To 500, Deduct	*-2.69*	
		For >500 To 1,000, Deduct	*-5.43*	
		For >1,000, Deduct	*-7.76*	

21 13 13 00-0287 Replacement Insulating Sealing Assembly *(21 13 13 00-0200)*

21 13 13 00-0288	EA	Insulating Sealing Assembly	80.30	17.46
		For >100 To 500, Deduct	*-10.91*	
		For >500 To 1,000, Deduct	*-20.39*	

21 13 13 00-0289 Flexible Sprinkler Piping *(21 13 13 00-0011)*

Note: 1" Diameter stainless steel flexible pipe with either 1/2" or 3/4" outlet.

21 13 13 00-0290	EA	2' Long, 3/4" Stainless Steel Flexible Sprinkler Piping Note: Includes ceiling mounting bracket.	79.21	18.04
		For >25 To 50, Deduct	*-1.82*	
		For >50 To 100, Deduct	*-5.78*	
		For >100 To 500, Deduct	*-10.81*	
		For >500 To 1,000, Deduct	*-20.44*	
		For >1,000, Deduct	*-27.71*	
21 13 13 00-0291	EA	3' Long, 3/4" Stainless Steel Flexible Sprinkler Piping Note: Includes ceiling mounting bracket.	87.66	18.62
		For >25 To 50, Deduct	*-1.91*	
		For >50 To 100, Deduct	*-6.30*	
		For >100 To 500, Deduct	*-11.91*	
		For >500 To 1,000, Deduct	*-22.29*	
		For >1,000, Deduct	*-29.95*	
21 13 13 00-0292	EA	4' Long, 3/4" Stainless Steel Flexible Sprinkler Piping Note: Includes ceiling mounting bracket.	96.27	19.78
		For >25 To 50, Deduct	*-2.02*	
		For >50 To 100, Deduct	*-6.83*	
		For >100 To 500, Deduct	*-13.04*	
		For >500 To 1,000, Deduct	*-24.20*	
		For >1,000, Deduct	*-32.28*	
21 13 13 00-0293	EA	5' Long, 3/4" Stainless Steel Flexible Sprinkler Piping Note: Includes ceiling mounting bracket.	105.18	20.95
		For >25 To 50, Deduct	*-2.14*	
		For >50 To 100, Deduct	*-7.40*	
		For >100 To 500, Deduct	*-14.22*	
		For >500 To 1,000, Deduct	*-26.21*	
		For >1,000, Deduct	*-34.76*	
21 13 13 00-0294	EA	6' Long, 3/4" Stainless Steel Flexible Sprinkler Piping Note: Includes ceiling mounting bracket.	114.36	23.28
		For >25 To 50, Deduct	*-2.27*	
		For >50 To 100, Deduct	*-7.99*	
		For >100 To 500, Deduct	*-15.43*	
		For >500 To 1,000, Deduct	*-28.31*	
		For >1,000, Deduct	*-37.41*	

21 13 13 00-0295 Sprinkler Emergency Cabinets *(21 13 13 00-0011)*

21 13 13 00-0296	EA	3 Capacity Emergency Sprinkler Cabinet, A4	123.63
21 13 13 00-0297	EA	6 Capacity Emergency Sprinkler Cabinet, A4	129.45
21 13 13 00-0298	EA	12 Capacity Emergency Sprinkler Cabinet, A4	138.32
21 13 13 00-0299	EA	12 Capacity Emergency Sprinkler Cabinet, A3	441.25
21 13 13 00-0300	EA	Sprinkler Wrench, RC1	216.44
21 13 13 00-0301	EA	Sprinkler Wrench, FC	215.59
21 13 13 00-0302	EA	Sprinkler Wrench, W2	71.58

21 13 16 Dry-Pipe Sprinkler Systems *(21 13)*

21 13 16 00-0001 Complete Dry Pipe Sprinkler Systems Assembly *(21 13 16)*

Note: Includes all branch line piping (standard weight threaded black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc. From riser pipe and mains. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks. Not for use where detail is available. For sprinkler repairs or sprinkler head replacements use specific pipe, fittings, hangers, valves, and sprinkler head components. See CSI section 23 21 13 23-1456 for individual grooved pipe, 23 21 13 23-1529 for individual grooved pipe fittings.

21 13 16 00-0002 Light Hazard, Dry-Pipe Sprinkler System Assemblies *(21 13 16 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0003	EA	Exposed Piping, Light Hazard, Per Head, Dry-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads.	890.32	
		For Up To 5, Add	*396.98*	
		For >5 To 10, Add	*191.16*	
		For >10 To 20, Add	*150.31*	
		For >20 To 40, Add	*64.94*	
		For >100 To 150, Deduct	*-89.03*	
		For >150, Deduct	*-178.06*	
		For Copper Pipe, Add	*113.12*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-157.64*	
21 13 16 00-0004	EA	Concealed Piping, Light Hazard, Per Head, Dry-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.	1,072.03	
		For Up To 5, Add	*484.22*	
		For >5 To 10, Add	*245.73*	
		For >10 To 20, Add	*190.32*	
		For >20 To 40, Add	*81.31*	
		For >100 To 150, Deduct	*-107.20*	
		For >150, Deduct	*-214.41*	
		For Copper Pipe, Add	*133.10*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-186.70*	
		For Work In Restricted Working Space, Add	*166.24*	

21 13 16 00-0005 Ordinary Hazard, Dry-Pipe Sprinkler System Assemblies *(21 13 16 00-0001)*

21 13 16 00-0006	EA	Exposed Piping, Ordinary Hazard, Per Head, Dry-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads.	862.30	
		For Up To 5, Add	*385.26*	
		For >5 To 10, Add	*187.08*	
		For >10 To 20, Add	*146.74*	
		For >20 To 40, Add	*63.29*	
		For >100 To 150, Deduct	*-86.23*	
		For >150, Deduct	*-172.46*	
		For Copper Pipe, Add	*109.17*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-152.29*	
21 13 16 00-0007	EA	Concealed Piping, Ordinary Hazard, Per Head, Dry-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.	1,040.73	
		For Up To 5, Add	*471.04*	
		For >5 To 10, Add	*240.93*	
		For >10 To 20, Add	*186.19*	
		For >20 To 40, Add	*79.41*	
		For >100 To 150, Deduct	*-104.07*	
		For >150, Deduct	*-208.15*	
		For Copper Pipe, Add	*128.74*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-180.77*	
		For Work In Restricted Working Space, Add	*164.23*	

21 13 16 00-0008 Extra Hazard, Dry-Pipe Sprinkler System Assemblies *(21 13 16 00-0001)*

21 13 16 00-0009	EA	Exposed Piping, Extra Hazard, Per Head, Dry-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads.	810.73	
		For Up To 5, Add	*361.88*	
		For >5 To 10, Add	*175.05*	
		For >10 To 20, Add	*137.46*	
		For >20 To 40, Add	*59.33*	
		For >100 To 150, Deduct	*-81.07*	
		For >150, Deduct	*-162.15*	
		For Copper Pipe, Add	*102.81*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-143.35*	
21 13 16 00-0010	EA	Concealed Piping, Extra Hazard, Per Head, Dry-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.	968.63	
		For Up To 5, Add	*438.44*	
		For >5 To 10, Add	*224.34*	
		For >10 To 20, Add	*173.35*	
		For >20 To 40, Add	*73.93*	
		For >100 To 150, Deduct	*-96.86*	
		For >150, Deduct	*-193.73*	
		For Copper Pipe, Add	*119.80*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-168.23*	
		For Work In Restricted Working Space, Add	*152.97*	

21 13 16 00-0011 Dry-Pipe Sprinkler System Compressors *(21 13 16 00-0001)*

21 13 16 00-0012	EA	Dry System Air Compressor, 3/4 HP With Alarm Valve Flange With Gauge	2,611.23	329.78
21 13 16 00-0013	EA	Dry System Air Compressor, 1 HP With Alarm Valve Flange With Gauge	2,727.75	329.78
21 13 16 00-0014	EA	Dry System Air Compressor, 1-1/2 HP With Alarm Valve Flange With Gauge	2,826.07	329.78
21 13 16 00-0015	EA	Dry System Air Compressor, 2 HP With Alarm Valve Flange With Gauge	3,208.40	329.78

21 13 16 00-0016 Dry Pipe Sprinkler System Components *(21 13 16)*

21 13 16 00-0017 Dry Pipe Valves *(21 13 16 00-0016)*

Note: Excludes trim package See CSI section 21 13 16 00-0023 for Dry Pipe Valve Trim.

21 13 16 00-0018	EA	2-1/2" Dry Pipe Valve	4,133.17	220.40
21 13 16 00-0019	EA	3" Dry Pipe Valve	4,601.06	252.46
21 13 16 00-0020	EA	4" Dry Pipe Valve	5,117.28	428.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0021	EA	6" Dry Pipe Valve	6,489.69	540.98
21 13 16 00-0022	EA	8" Dry Pipe Valve	9,954.04	544.99
21 13 16 00-0023		**Dry Pipe Valve Trim** *(21 13 16 00-0016)*		
		Note: Includes gauges, pressure switch, air supply and drain lines.		
21 13 16 00-0024	EA	2-1/2" Dry Pipe Valve Trim	2,107.02	310.97
		For Accelerator and Trim, Add	*1,347.97*	
		For Priming Chamber, Add	*217.02*	
21 13 16 00-0025	EA	3" Dry Pipe Valve Trim	2,155.10	341.96
		For Accelerator and Trim, Add	*1,347.97*	
		For Priming Chamber, Add	*217.02*	
21 13 16 00-0026	EA	4" Dry Pipe Valve Trim	2,415.38	426.37
		For Accelerator and Trim, Add	*1,347.97*	
		For Priming Chamber, Add	*217.02*	
21 13 16 00-0027	EA	6" Dry Pipe Valve Trim	2,554.31	512.93
		For Accelerator and Trim, Add	*1,347.97*	
		For Priming Chamber, Add	*217.02*	
21 13 16 00-0028	EA	8" Dry Pipe Valve Trim	2,879.61	577.06
		For Accelerator and Trim, Add	*1,347.97*	
		For Priming Chamber, Add	*217.02*	
21 13 16 00-0029		**Dry Pipe Fire Protection Air Compressors** *(21 13 16 00-0016)*		
21 13 16 00-0030	EA	1.46 CFM, 1/6 HP, 125 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors	1,460.28	160.82
21 13 16 00-0031	EA	3.03 CFM, 1/3 HP, 250 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors	1,774.02	171.20
21 13 16 00-0032	EA	4.85 CFM, 1/2 HP, 400 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors	2,273.19	182.61
21 13 16 00-0033	EA	6.06 CFM, 3/4 HP, 500 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors	2,475.61	210.62
21 13 16 00-0034	EA	7.28 CFM, 1 HP, 600 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors	3,065.15	249.02
21 13 16 00-0035	EA	11.1 CFM, 1-1/2 HP, 915 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors	3,876.00	263.54
21 13 16 00-0036	EA	14.85 CFM, 2 HP, 1225 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors	4,699.66	273.92
21 13 16 00-0037		**Dry Pipe Fire Protection Nitrogen Generator** *(21 13 16 00-0016)*		
21 13 16 00-0038	EA	675 Gallon Total System Capacity, Wall Mount, Fire Protection Nitrogen Generator	10,658.59	249.02
21 13 16 00-0039	EA	950 Gallon Total System Capacity, Wall Mount, Fire Protection Nitrogen Generator	11,827.36	263.54
21 13 16 00-0040	EA	2,000 Gallon Total System Capacity, Wall Mount, Fire Protection Nitrogen Generator	16,803.85	342.39
21 13 16 00-0041		**Recessed Pendent Dry Pipe Sprinkler Heads, Quick Response** *(21 13 16 00-0016)*		
21 13 16 00-0042	EA	3-1/2" To 5-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	264.69	23.05
		For >25 To 50, Deduct	*-3.49*	
		For >50 To 100, Deduct	*-16.73*	
		For >100 To 500, Deduct	*-34.83*	
		For >500 To 1,000, Deduct	*-59.52*	
		For >1,000, Deduct	*-73.48*	
21 13 16 00-0043	EA	6" To 8-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	275.91	23.05
		For >25 To 50, Deduct	*-3.49*	
		For >50 To 100, Deduct	*-17.29*	
		For >100 To 500, Deduct	*-36.23*	
		For >500 To 1,000, Deduct	*-61.53*	
		For >1,000, Deduct	*-75.50*	
21 13 16 00-0044	EA	9" To 11-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	287.15	23.05
		For >25 To 50, Deduct	*-3.49*	
		For >50 To 100, Deduct	*-17.85*	
		For >100 To 500, Deduct	*-37.64*	
		For >500 To 1,000, Deduct	*-63.56*	
		For >1,000, Deduct	*-77.52*	
21 13 16 00-0045	EA	12" To 14-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	298.40	23.05
		For >25 To 50, Deduct	*-3.49*	
		For >50 To 100, Deduct	*-18.41*	
		For >100 To 500, Deduct	*-39.05*	
		For >500 To 1,000, Deduct	*-65.58*	
		For >1,000, Deduct	*-79.55*	
21 13 16 00-0046	EA	15" To 17-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	309.64	23.05
		For >25 To 50, Deduct	*-3.49*	
		For >50 To 100, Deduct	*-18.97*	
		For >100 To 500, Deduct	*-40.45*	
		For >500 To 1,000, Deduct	*-67.61*	
		For >1,000, Deduct	*-81.57*	
21 13 16 00-0047	EA	18" To 20-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	320.87	23.05
		For >25 To 50, Deduct	*-3.49*	
		For >50 To 100, Deduct	*-19.54*	
		For >100 To 500, Deduct	*-41.85*	
		For >500 To 1,000, Deduct	*-69.63*	
		For >1,000, Deduct	*-83.59*	
21 13 16 00-0048	EA	21" To 23-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	332.09	23.05
		For >25 To 50, Deduct	*-3.49*	
		For >50 To 100, Deduct	*-20.10*	
		For >100 To 500, Deduct	*-43.26*	
		For >500 To 1,000, Deduct	*-71.65*	
		For >1,000, Deduct	*-85.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0049	EA	24" To 26-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	343.35	23.05
		For >25 To 50, Deduct	*-3.49*	
		For >50 To 100, Deduct	*-20.66*	
		For >100 To 500, Deduct	*-44.66*	
		For >500 To 1,000, Deduct	*-73.67*	
		For >1,000, Deduct	*-87.64*	
21 13 16 00-0050	EA	27" To 29-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	354.56	23.05
		For >25 To 50, Deduct	*-3.49*	
		For >50 To 100, Deduct	*-21.22*	
		For >100 To 500, Deduct	*-46.07*	
		For >500 To 1,000, Deduct	*-75.69*	
		For >1,000, Deduct	*-89.66*	
21 13 16 00-0051	EA	30" To 32-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	365.80	23.05
		For >25 To 50, Deduct	*-3.49*	
		For >50 To 100, Deduct	*-21.78*	
		For >100 To 500, Deduct	*-47.47*	
		For >500 To 1,000, Deduct	*-77.72*	
		For >1,000, Deduct	*-91.68*	
21 13 16 00-0052	EA	33" To 35-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	377.05	23.05
		For >25 To 50, Deduct	*-3.49*	
		For >50 To 100, Deduct	*-22.34*	
		For >100 To 500, Deduct	*-48.88*	
		For >500 To 1,000, Deduct	*-79.74*	
		For >1,000, Deduct	*-93.71*	
21 13 16 00-0053	EA	36" To 38-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	388.29	23.05
		For >25 To 50, Deduct	*-3.49*	
		For >50 To 100, Deduct	*-22.91*	
		For >100 To 500, Deduct	*-50.28*	
		For >500 To 1,000, Deduct	*-81.76*	
		For >1,000, Deduct	*-95.73*	
21 13 16 00-0054	EA	39" To 41-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	399.54	23.05
		For >25 To 50, Deduct	*-3.49*	
		For >50 To 100, Deduct	*-23.47*	
		For >100 To 500, Deduct	*-51.69*	
		For >500 To 1,000, Deduct	*-83.79*	
		For >1,000, Deduct	*-97.75*	
21 13 16 00-0055	EA	42" To 44-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	410.75	23.05
		For >25 To 50, Deduct	*-3.49*	
		For >50 To 100, Deduct	*-24.03*	
		For >100 To 500, Deduct	*-53.09*	
		For >500 To 1,000, Deduct	*-85.81*	
		For >1,000, Deduct	*-99.77*	
21 13 16 00-0056	EA	45" To 48" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	422.00	23.05
		For >25 To 50, Deduct	*-3.49*	
		For >50 To 100, Deduct	*-24.59*	
		For >100 To 500, Deduct	*-54.50*	
		For >500 To 1,000, Deduct	*-87.83*	
		For >1,000, Deduct	*-101.80*	

21 13 16 00-0057 Sidewall Dry Pipe Sprinkler Heads, Quick Response *(21 13 16 00-0016)*

21 13 16 00-0058	EA	3-1/2" To 5-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	261.99	23.05
		For >25 To 50, Deduct	*-3.49*	
		For >50 To 100, Deduct	*-16.59*	
		For >100 To 500, Deduct	*-34.49*	
		For >500 To 1,000, Deduct	*-59.03*	
		For >1,000, Deduct	*-73.00*	
21 13 16 00-0059	EA	6" To 8-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	273.23	23.05
		For >25 To 50, Deduct	*-3.49*	
		For >50 To 100, Deduct	*-17.15*	
		For >100 To 500, Deduct	*-35.90*	
		For >500 To 1,000, Deduct	*-61.05*	
		For >1,000, Deduct	*-75.02*	
21 13 16 00-0060	EA	9" To 11-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	284.49	23.05
		For >25 To 50, Deduct	*-3.49*	
		For >50 To 100, Deduct	*-17.72*	
		For >100 To 500, Deduct	*-37.31*	
		For >500 To 1,000, Deduct	*-63.08*	
		For >1,000, Deduct	*-77.05*	
21 13 16 00-0061	EA	12" To 14-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	295.69	23.05
		For >25 To 50, Deduct	*-3.49*	
		For >50 To 100, Deduct	*-18.28*	
		For >100 To 500, Deduct	*-38.71*	
		For >500 To 1,000, Deduct	*-65.10*	
		For >1,000, Deduct	*-79.06*	
21 13 16 00-0062	EA	15" To 17-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	306.94	23.05
		For >25 To 50, Deduct	*-3.49*	
		For >50 To 100, Deduct	*-18.84*	
		For >100 To 500, Deduct	*-40.11*	
		For >500 To 1,000, Deduct	*-67.12*	
		For >1,000, Deduct	*-81.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0063	EA	18" To 20-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	318.15	23.05
		For >25 To 50, Deduct	*-3.49*	
		For >50 To 100, Deduct	*-19.40*	
		For >100 To 500, Deduct	*-41.51*	
		For >500 To 1,000, Deduct	*-69.14*	
		For >1,000, Deduct	*-83.10*	
21 13 16 00-0064	EA	21" To 23-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	329.43	23.05
		For >25 To 50, Deduct	*-3.49*	
		For >50 To 100, Deduct	*-19.96*	
		For >100 To 500, Deduct	*-42.92*	
		For >500 To 1,000, Deduct	*-71.17*	
		For >1,000, Deduct	*-85.13*	
21 13 16 00-0065	EA	24" To 26-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	340.66	23.05
		For >25 To 50, Deduct	*-3.49*	
		For >50 To 100, Deduct	*-20.52*	
		For >100 To 500, Deduct	*-44.33*	
		For >500 To 1,000, Deduct	*-73.19*	
		For >1,000, Deduct	*-87.16*	
21 13 16 00-0066	EA	27" To 29-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	351.87	23.05
		For >25 To 50, Deduct	*-3.49*	
		For >50 To 100, Deduct	*-21.09*	
		For >100 To 500, Deduct	*-45.73*	
		For >500 To 1,000, Deduct	*-75.21*	
		For >1,000, Deduct	*-89.17*	
21 13 16 00-0067	EA	30" To 32-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	363.10	23.05
		For >25 To 50, Deduct	*-3.49*	
		For >50 To 100, Deduct	*-21.65*	
		For >100 To 500, Deduct	*-47.13*	
		For >500 To 1,000, Deduct	*-77.23*	
		For >1,000, Deduct	*-91.20*	
21 13 16 00-0068	EA	33" To 35-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	374.35	23.05
		For >25 To 50, Deduct	*-3.49*	
		For >50 To 100, Deduct	*-22.21*	
		For >100 To 500, Deduct	*-48.54*	
		For >500 To 1,000, Deduct	*-79.25*	
		For >1,000, Deduct	*-93.22*	
21 13 16 00-0069	EA	36" To 38-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	385.58	23.05
		For >25 To 50, Deduct	*-3.49*	
		For >50 To 100, Deduct	*-22.77*	
		For >100 To 500, Deduct	*-49.94*	
		For >500 To 1,000, Deduct	*-81.28*	
		For >1,000, Deduct	*-95.24*	
21 13 16 00-0070	EA	39" To 41-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	419.30	23.05
		For >25 To 50, Deduct	*-3.49*	
		For >50 To 100, Deduct	*-24.46*	
		For >100 To 500, Deduct	*-54.16*	
		For >500 To 1,000, Deduct	*-87.35*	
		For >1,000, Deduct	*-101.31*	
21 13 16 00-0071	EA	42" To 44-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	430.54	23.05
		For >25 To 50, Deduct	*-3.49*	
		For >50 To 100, Deduct	*-25.02*	
		For >100 To 500, Deduct	*-55.56*	
		For >500 To 1,000, Deduct	*-89.37*	
		For >1,000, Deduct	*-103.33*	
21 13 16 00-0072	EA	45" To 48" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	435.02	23.05
		For >25 To 50, Deduct	*-3.49*	
		For >50 To 100, Deduct	*-25.24*	
		For >100 To 500, Deduct	*-56.12*	
		For >500 To 1,000, Deduct	*-90.17*	
		For >1,000, Deduct	*-104.14*	

21 13 16 00-0073 Pendent Dry Pipe Sprinkler Head, Early Suppression, Fast Response *(21 13 16 00-0016)*

21 13 16 00-0074	EA	23" Length, 1-1/4" NPT Thread, K=16.8, Early Suppression, Fast Response, Brass Pendent Dry Pipe Sprinkler Head	1,220.05	23.05
		For >25 To 50, Deduct	*-3.78*	
		For >50 To 100, Deduct	*-64.79*	
		For >100 To 500, Deduct	*-154.40*	
		For >500 To 1,000, Deduct	*-232.47*	
		For >1,000, Deduct	*-247.60*	
21 13 16 00-0075	EA	30" Length, 1-1/4" NPT Thread, K=16.8, Early Suppression, Fast Response, Brass Pendent Dry Pipe Sprinkler Head	1,220.05	23.05
		For >25 To 50, Deduct	*-3.78*	
		For >50 To 100, Deduct	*-64.79*	
		For >100 To 500, Deduct	*-154.40*	
		For >500 To 1,000, Deduct	*-232.47*	
		For >1,000, Deduct	*-247.60*	
21 13 16 00-0076	EA	36" Length, 1-1/4" NPT Thread, K=16.8, Early Suppression, Fast Response, Brass Pendent Dry Pipe Sprinkler Head	1,220.05	23.05
		For >25 To 50, Deduct	*-3.78*	
		For >50 To 100, Deduct	*-64.79*	
		For >100 To 500, Deduct	*-154.40*	
		For >500 To 1,000, Deduct	*-232.47*	
		For >1,000, Deduct	*-247.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0077	EA	36" Length, 1-1/4" ISO Thread, K=16.8, Early Suppression, Fast Response, Brass Pendent Dry Pipe Sprinkler Head	1,220.05	23.05
		For >25 To 50, Deduct	*-3.78*	
		For >50 To 100, Deduct	*-64.79*	
		For >100 To 500, Deduct	*-154.40*	
		For >500 To 1,000, Deduct	*-232.47*	
		For >1,000, Deduct	*-247.60*	

21 13 19 Preaction Sprinkler Systems *(21 13)*

21 13 19 00-0001 Complete Preaction Sprinkler Systems Assemblies *(21 13 19)*

Note: Includes all branch line piping (standard weight threaded black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc. From riser pipe and mains. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks. Not for use where detail is available. For sprinkler repairs or sprinkler head replacements use specific pipe, fittings, hangers, valves, and sprinkler head components. See CSI section 23 21 13 23-1456 for individual grooved pipe, 23 21 13 23-1529 for individual grooved pipe fittings.

21 13 19 00-0002 Ordinary Hazard, Preaction Sprinkler System Assemblies *(21 13 19 00-0001)*

21 13 19 00-0003	EA	Exposed Piping, Ordinary Hazard, Per Head, Preaction Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads.	798.32	
		For Up To 5, Add	*359.67*	
		For >5 To 10, Add	*220.18*	
		For >10 To 20, Add	*140.34*	
		For >20 To 40, Add	*60.09*	
		For >100 To 150, Deduct	*-79.83*	
		For >150, Deduct	*-159.66*	

21 13 19 00-0004 Extra Hazard, Preaction Sprinkler System Assemblies *(21 13 19 00-0001)*

21 13 19 00-0005	EA	Exposed Piping, Extra Hazard, Per Head, Preaction Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads.	743.08	
		For Up To 5, Add	*334.82*	
		For >5 To 10, Add	*205.00*	
		For >10 To 20, Add	*130.70*	
		For >20 To 40, Add	*55.95*	
		For >100 To 150, Deduct	*-74.31*	
		For >150, Deduct	*-148.62*	

21 13 26 Deluge Fire-Suppression Sprinkler Systems *(21 13)*

21 13 26 00-0001 Deluge Fire-Suppression Sprinkler Systems Equipment *(21 13 26)*

See CSI section 23 21 13 23-0000 for pipe and fittings.

21 13 26 00-0002 Deluge Valves, Wet-Pilot Activation With Required Trim And Release Equipment *(21 13 26 00-0001)*

21 13 26 00-0003	EA	3" Deluge Valve, Wet-Pilot Activation With Trim And Release Equipment	7,335.24	646.62
		For Accelerator and Trim, Add	*1,347.97*	
		For Priming Chamber, Add	*217.02*	
		For Dry-Pilot Activation, Add	*604.21*	
21 13 26 00-0004	EA	4" Deluge Valve, Wet-Pilot Activation With Trim And Release Equipment	9,048.14	727.39
		For Accelerator and Trim, Add	*1,347.97*	
		For Priming Chamber, Add	*217.02*	
		For Dry-Pilot Activation, Add	*759.34*	
21 13 26 00-0005	EA	6" Deluge Valve, Wet-Pilot Activation With Trim And Release Equipment	10,801.24	1,058.04
		For Accelerator and Trim, Add	*1,347.97*	
		For Priming Chamber, Add	*217.02*	
		For Dry-Pilot Activation, Add	*868.52*	
21 13 26 00-0006	EA	8" Deluge Valve, Wet-Pilot Activation With Trim And Release Equipment	18,134.82	1,271.47
		For Accelerator and Trim, Add	*1,347.97*	
		For Priming Chamber, Add	*217.02*	
		For Dry-Pilot Activation, Add	*1,559.19*	

21 13 39 Foam-Water Systems *(21 13)*

21 13 39 00-0001 Foam Control Valves And Monitors *(21 13 39)*

21 13 39 00-0002 Control Valves *(21 13 39 00-0001)*

21 13 39 00-0003	EA	3" Foam Control Valve	5,584.62	646.62

21 13 39 00-0004 Supply Valves *(21 13 39 00-0001)*

21 13 39 00-0005	EA	2-1/2" Foam Supply Valve	4,792.59	727.39

21 13 39 00-0006 Proportioners *(21 13 39 00-0001)*

21 13 39 00-0007	EA	8" Foam Proportioner	3,183.10	1,058.04

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 39 00-0008			Monitors *(21 13 39 00-0001)*		
	21 13 39 00-0009	EA	Oscillating Foam Monitor	6,682.69	145.48

21 13 41 Fire-Suppression Sprinkler Piping *(21 13)*

See CSI section 22 11 16 00-0013 for galvanized steel pipe and fittings, 22 11 16 00-0383 for copper pipe and fittings, 23 21 13 23-0001 for threaded black steel piping, 23 21 13 23-0374 for welded black steel piping, 23 21 13 23-0858 for flanged black steel pipe fittings, 23 21 13 23-1456 for grooved pipe, 23 21 13 23-1529 for grooved pipe fittings, 33 14 13 13-0001 for ductile iron pipe and fittings.

21 13 41 00-0001			Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe *(21 13 41)* Note: SDR 13.5		
21 13 41 00-0002			Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe *(21 13 41 00-0001)*		
	21 13 41 00-0003	LF	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	6.18	1.86
			For Work In Restricted Working Space, Add	*1.40*	
	21 13 41 00-0004	LF	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	7.36	1.97
			For Work In Restricted Working Space, Add	*1.50*	
	21 13 41 00-0005	LF	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	9.16	2.22
			For Work In Restricted Working Space, Add	*1.64*	
	21 13 41 00-0006	LF	1-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	11.16	2.45
			For Work In Restricted Working Space, Add	*1.82*	
	21 13 41 00-0007	LF	2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	14.24	2.68
			For Work In Restricted Working Space, Add	*2.03*	
	21 13 41 00-0008	LF	2-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	19.36	3.02
			For Work In Restricted Working Space, Add	*2.31*	
	21 13 41 00-0009	LF	3" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	26.86	3.61
			For Work In Restricted Working Space, Add	*2.72*	
21 13 41 00-0010			Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows, Fire Sprinkler Piping *(21 13 41 00-0001)*		
	21 13 41 00-0011	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	29.92	11.17
			For Work In Restricted Working Space, Add	*8.38*	
	21 13 41 00-0012	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	39.36	13.97
			For Work In Restricted Working Space, Add	*10.51*	
	21 13 41 00-0013	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	49.23	17.46
			For Work In Restricted Working Space, Add	*13.13*	
	21 13 41 00-0014	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	56.16	19.32
			For Work In Restricted Working Space, Add	*14.53*	
	21 13 41 00-0015	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	63.65	21.65
			For Work In Restricted Working Space, Add	*16.20*	
	21 13 41 00-0016	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	80.00	24.56
			For Work In Restricted Working Space, Add	*18.44*	
	21 13 41 00-0017	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	97.85	29.10
			For Work In Restricted Working Space, Add	*21.79*	
21 13 41 00-0018			Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows, Fire Sprinkler Piping *(21 13 41 00-0001)*		
	21 13 41 00-0019	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	30.62	11.17
			For Work In Restricted Working Space, Add	*8.38*	
	21 13 41 00-0020	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	38.23	13.97
			For Work In Restricted Working Space, Add	*10.51*	
	21 13 41 00-0021	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	48.39	17.46
			For Work In Restricted Working Space, Add	*13.13*	
	21 13 41 00-0022	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	54.81	19.32
			For Work In Restricted Working Space, Add	*14.53*	
	21 13 41 00-0023	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	61.96	21.65
			For Work In Restricted Working Space, Add	*16.20*	
	21 13 41 00-0024	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	75.73	24.56
			For Work In Restricted Working Space, Add	*18.44*	
	21 13 41 00-0025	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	93.16	29.10
			For Work In Restricted Working Space, Add	*21.79*	
21 13 41 00-0026			Chlorinated Polyvinyl Chloride (CPVC) Tees, Fire Sprinkler Piping *(21 13 41 00-0001)*		
	21 13 41 00-0027	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	44.59	16.76
			For Work In Restricted Working Space, Add	*12.57*	
	21 13 41 00-0028	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	57.94	21.06
			For Work In Restricted Working Space, Add	*15.78*	
	21 13 41 00-0029	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	73.66	26.30
			For Work In Restricted Working Space, Add	*19.69*	
	21 13 41 00-0030	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	84.42	29.10
			For Work In Restricted Working Space, Add	*21.79*	
	21 13 41 00-0031	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	98.48	32.35
			For Work In Restricted Working Space, Add	*24.30*	
	21 13 41 00-0032	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	120.58	36.90
			For Work In Restricted Working Space, Add	*27.65*	
	21 13 41 00-0033	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	142.47	43.52
			For Work In Restricted Working Space, Add	*32.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

21 13 41 00-0034 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tees, Fire Sprinkler Piping *(21 13 41 00-0001)*

21 13 41 00-0035	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	53.53	19.67
		For Work In Restricted Working Space, Add	*14.70*	
21 13 41 00-0036	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	69.54	24.56
		For Work In Restricted Working Space, Add	*18.37*	
21 13 41 00-0037	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	77.82	27.12
		For Work In Restricted Working Space, Add	*20.32*	
21 13 41 00-0038	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	91.71	30.26
		For Work In Restricted Working Space, Add	*22.70*	
21 13 41 00-0039	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	108.10	34.45
		For Work In Restricted Working Space, Add	*25.80*	
21 13 41 00-0040	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	127.22	40.61
		For Work In Restricted Working Space, Add	*30.51*	

21 13 41 00-0041 Chlorinated Polyvinyl Chloride (CPVC) Crosses, Fire Sprinkler Piping *(21 13 41 00-0001)*

21 13 41 00-0042	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	60.12	22.34
		For Work In Restricted Working Space, Add	*16.76*	
21 13 41 00-0043	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	75.39	28.05
		For Work In Restricted Working Space, Add	*21.02*	
21 13 41 00-0044	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	94.90	35.03
		For Work In Restricted Working Space, Add	*26.26*	
21 13 41 00-0045	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	106.91	38.76
		For Work In Restricted Working Space, Add	*29.05*	
21 13 41 00-0046	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	124.61	43.18
		For Work In Restricted Working Space, Add	*32.40*	
21 13 41 00-0047	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	159.12	49.11
		For Work In Restricted Working Space, Add	*36.87*	

21 13 41 00-0048 Chlorinated Polyvinyl Chloride (CPVC) Couplings, Fire Sprinkler Piping *(21 13 41 00-0001)*

21 13 41 00-0049	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	20.53	7.44
		For Work In Restricted Working Space, Add	*5.59*	
21 13 41 00-0050	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	27.50	10.01
		For Work In Restricted Working Space, Add	*7.51*	
21 13 41 00-0051	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	36.45	13.15
		For Work In Restricted Working Space, Add	*9.85*	
21 13 41 00-0052	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	41.49	14.54
		For Work In Restricted Working Space, Add	*10.89*	
21 13 41 00-0053	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	47.52	16.18
		For Work In Restricted Working Space, Add	*12.15*	
21 13 41 00-0054	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	56.83	18.39
		For Work In Restricted Working Space, Add	*13.83*	
21 13 41 00-0055	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	68.46	21.77
		For Work In Restricted Working Space, Add	*16.34*	

21 13 41 00-0056 Chlorinated Polyvinyl Chloride (CPVC) Caps, Fire Sprinkler Piping *(21 13 41 00-0001)*

21 13 41 00-0057	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	10.46	3.73
		For Work In Restricted Working Space, Add	*2.79*	
21 13 41 00-0058	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	16.65	6.05
		For Work In Restricted Working Space, Add	*4.51*	
21 13 41 00-0059	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	19.04	6.52
		For Work In Restricted Working Space, Add	*4.92*	
21 13 41 00-0060	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	21.78	7.21
		For Work In Restricted Working Space, Add	*5.45*	
21 13 41 00-0061	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	25.72	8.15
		For Work In Restricted Working Space, Add	*6.08*	
21 13 41 00-0062	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	30.94	9.20
		For Work In Restricted Working Space, Add	*6.92*	
21 13 41 00-0063	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	40.04	10.94
		For Work In Restricted Working Space, Add	*8.17*	

21 13 41 00-0064 Chlorinated Polyvinyl Chloride (CPVC) Reducer Bushing, Fire Sprinkler Piping *(21 13 41 00-0001)*

21 13 41 00-0065	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	29.07	11.06
		For Work In Restricted Working Space, Add	*8.27*	
21 13 41 00-0066	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	38.50	14.43
		For Work In Restricted Working Space, Add	*10.82*	
21 13 41 00-0067	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	42.55	15.94
		For Work In Restricted Working Space, Add	*11.98*	
21 13 41 00-0068	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	48.41	17.81
		For Work In Restricted Working Space, Add	*13.37*	
21 13 41 00-0069	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	57.35	20.25
		For Work In Restricted Working Space, Add	*15.23*	
21 13 41 00-0070	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	69.88	23.97
		For Work In Restricted Working Space, Add	*17.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 41 00-0071		Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip x Female Pipe Thread, Fire Sprinkler Piping *(21 13 41 00-0001)*		
21 13 41 00-0072	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip X Female Pipe Thread, Fire Sprinkler Piping	25.46	8.15
		For Work In Restricted Working Space, Add	*6.15*	
21 13 41 00-0073	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip X Female Pipe Thread, Fire Sprinkler Piping	32.84	11.06
		For Work In Restricted Working Space, Add	*8.27*	
21 13 41 00-0074		Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping *(21 13 41 00-0001)*		
21 13 41 00-0075	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	25.46	8.15
		For Work In Restricted Working Space, Add	*6.15*	
21 13 41 00-0076	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	32.84	11.06
		For Work In Restricted Working Space, Add	*8.27*	
21 13 41 00-0077		Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping *(21 13 41 00-0001)*		
21 13 41 00-0078	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	29.77	10.01
		For Work In Restricted Working Space, Add	*7.54*	
21 13 41 00-0079	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	38.01	12.57
		For Work In Restricted Working Space, Add	*9.46*	
21 13 41 00-0080	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 3/4" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	39.43	12.57
		For Work In Restricted Working Space, Add	*9.46*	
21 13 41 00-0081		Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping *(21 13 41 00-0001)*		
21 13 41 00-0082	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	48.92	16.76
		For Work In Restricted Working Space, Add	*12.57*	
21 13 41 00-0083	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	60.21	21.06
		For Work In Restricted Working Space, Add	*15.78*	
21 13 41 00-0084	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	78.29	26.30
		For Work In Restricted Working Space, Add	*19.69*	
21 13 41 00-0085	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	89.32	29.10
		For Work In Restricted Working Space, Add	*21.79*	
21 13 41 00-0086	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	104.45	32.35
		For Work In Restricted Working Space, Add	*24.30*	

21 20 Fire-Extinguishing Systems *(21)*

21 21 Carbon-Dioxide Fire-Extinguishing Systems *(21 20)*

21 21 16 Carbon-Dioxide Fire-Extinguishing Equipment *(21 21)*

21 21 16 00-0001		Carbon Dioxide Cylinders *(21 21 16)*		
21 21 16 00-0002	EA	Carbon Dioxide Simplex Cylinder, 75 Lb.	3,516.94	237.14
21 21 16 00-0003	EA	Carbon Dioxide Duplex Cylinder, 75 Lb. (Each)	7,033.88	474.28
21 21 16 00-0004	EA	Carbon Dioxide Cylinder, Heat/Ion Detector, With Bracket	435.16	133.84
21 21 16 00-0005	EA	Carbon Dioxide Cylinder, Dispersion Nozzle	200.84	43.33
21 21 16 00-0006	LF	Carbon Dioxide Cylinder, 1/2" Rubber Tubing	45.17	17.57

21 22 Clean-Agent Fire-Extinguishing Systems *(21 20)*

21 22 16 Clean-Agent Fire-Extinguishing Equipment *(21 22)*

21 22 16 00-0001		FM200 System Equipment *(21 22 16)*		
21 22 16 00-0002	EA	26 Lb. Cylinder, Filled, For FM200 Fire Protection system	3,726.02	117.10
21 22 16 00-0003	EA	44 Lb. Cylinder, Filled, For FM200 Fire Protection system	5,347.14	134.08
21 22 16 00-0004	EA	63 Lb. Cylinder, Filled, For FM200 Fire Protection system	6,347.46	158.09
21 22 16 00-0005	EA	101 Lb. Cylinder, Filled, For FM200 Fire Protection system	8,416.45	187.36
21 22 16 00-0006	EA	196 Lb. Cylinder, Filled, For FM200 Fire Protection system	13,165.91	234.21
21 22 16 00-0007	EA	Electro/Mechanical Release, For FM200 Fire Protection system	785.85	234.21
21 22 16 00-0008	EA	Manual Pull Station, For FM200 Fire Protection system	274.77	77.88
21 22 16 00-0009	EA	Pneumatic Damper Release, For FM200 Fire Protection system	341.95	58.55
21 22 16 00-0010	LB	FM200 Gas	28.82	
21 22 16 00-0011	EA	Master Cylinder, For FM200 Fire Protection system	6,102.11	63.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0012	EA	Shuttle Check Valve, For FM200 Fire Protection system	862.90	88.06
21 22 16 00-0013	EA	Flex Head Cylinder, For FM200 Fire Protection system	858.77	94.39
21 22 16 00-0014	EA	Nozzles, For FM200 Fire Protection system	212.25	33.38
21 22 16 00-0015	EA	Cylinder Support, For FM200 Fire Protection system	244.63	63.00
21 22 16 00-0016	EA	Solenoid Valve, For FM200 Fire Protection system	1,117.40	94.39
21 22 16 00-0017	EA	Battery Back-Up, For FM200 Fire Protection system	811.64	248.96
21 22 16 00-0018	EA	Control Panel, Single Zone, For FM200 Fire Protection system	4,374.23	467.71
21 22 16 00-0019	EA	Control Panel, Multi Zone, For FM200 Fire Protection system	7,057.85	936.47
21 22 16 00-0020	EA	Smoke Or Heat Detector, For FM200 Fire Protection system	341.88	94.39
21 22 16 00-0021	EA	Annunciator, For FM200 Fire Protection system	3,546.53	354.47
21 22 16 00-0022	EA	Pressure Switch, For FM200 Fire Protection system	372.39	94.39
21 22 16 00-0023	EA	Alarm Horn, For FM200 Fire Protection system	338.94	94.39
21 22 16 00-0024	EA	Testing, For FM200 Fire Protection system	1,589.30	
21 22 16 00-0025	EA	Abort Switch, For FM200 Fire Protection system	237.90	43.91

21 22 16 00-0026 Ansul Fire Control Systems *(21 22 16)*

21 22 16 00-0027 Sapphire® Fire Suppression Systems *(21 22 16 00-0026)*

Note: ANSUL® SAPPHIRE® fire suppression systems use 3M™ Novec™ 1230 fire protection fluid for total flooding applications.

21 22 16 00-0028 Cylinders, Sapphire® Fire Suppression Systems *(21 22 16 00-0027)*

21 22 16 00-0029	EA	20 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570635) Note: 10 to 21 Lb. tank capacity. Excludes Sapphire agent.	1,639.57	80.85
21 22 16 00-0030	EA	40 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570636) Note: 20 to 46 Lb. tank capacity. Excludes Sapphire agent.	1,869.97	80.85
21 22 16 00-0031	EA	80 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570637) Note: 41 to 80 Lb. tank capacity. Excludes Sapphire agent.	1,900.26	80.85
21 22 16 00-0032	EA	140 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570638) Note: 58 to 138 Lb. tank capacity. Excludes Sapphire agent.	2,697.70	107.79
21 22 16 00-0033	EA	280 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570639) Note: 116 to 280 Lb. tank capacity. Excludes Sapphire agent.	2,850.01	107.79
21 22 16 00-0034	EA	390 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570640) Note: 161 to 388 Lb. tank capacity. Excludes Sapphire agent.	3,045.42	134.74
21 22 16 00-0035	EA	450 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570641) Note: 194 to 459 Lb. tank capacity. Excludes Sapphire agent.	3,231.13	134.74
21 22 16 00-0036	EA	850 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570586) Note: 375 to 851 Lb. tank capacity. Excludes Sapphire agent.	4,875.90	161.69
21 22 16 00-0037	LB	Sapphire Agent. Fire Protection Fluid, Factory Filled (Novec 1230) Note: Add to empty tank cost.	41.15	161.69

21 22 16 00-0038 Nozzles, Sapphire® Fire Suppression Systems *(21 22 16 00-0027)*

21 22 16 00-0039	EA	1/2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570515)	156.66	13.48
21 22 16 00-0040	EA	3/4" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570516)	160.58	13.48
21 22 16 00-0041	EA	1" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570517)	170.42	13.48
21 22 16 00-0042	EA	1-1/4" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570518)	177.30	13.48
21 22 16 00-0043	EA	1-1/2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570519)	187.12	13.48
21 22 16 00-0044	EA	2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570520)	216.59	13.48
21 22 16 00-0045	EA	1/2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570602)	156.66	13.48
21 22 16 00-0046	EA	3/4" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570603)	160.58	13.48
21 22 16 00-0047	EA	1" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570604)	170.42	13.48
21 22 16 00-0048	EA	1-1/4" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570605)	177.30	13.48
21 22 16 00-0049	EA	1-1/2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570606)	187.12	13.48
21 22 16 00-0050	EA	2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570607)	216.59	13.48

21 22 16 00-0051 Actuation Attachments, Sapphire® Fire Suppression System *(21 22 16 00-0027)*

21 22 16 00-0052	EA	7/16-20 To 1/4" NPT, Male Actuation Elbow, Sapphire® Fire Suppression System (Ansul 31810)	14.16	4.04
21 22 16 00-0053	EA	7/16-20 To 1/4" NPT, Male Actuation Tee, Sapphire® Fire Suppression System (Ansul 31811)	15.85	4.04
21 22 16 00-0054	EA	1/4" NPT To 7/16-20, Male Actuation Connector, Sapphire® Fire Suppression System (Ansul 32338)	21.63	9.43
21 22 16 00-0055	EA	16" Actuation Hose, Sapphire® Fire Suppression System (Ansul 73597)	50.84	12.08
21 22 16 00-0056	EA	32" Actuation Hose, Sapphire® Fire Suppression System (Ansul 415142)	75.23	12.08
21 22 16 00-0057	EA	42" Actuation Hose, Sapphire® Fire Suppression System (Ansul 430815)	90.79	12.08
21 22 16 00-0058	EA	24", Stainless Steel, Swivel, Braided Actuation Hose, Sapphire® Fire Suppression System (Ansul 32336)	45.22	12.08
21 22 16 00-0059	EA	Pneumatic Actuator Shipping Assembly, Sapphire® Fire Suppression System (Ansul 570537)	314.83	107.79
21 22 16 00-0060	EA	Local Manual Actuator, Sapphire® Fire Suppression System (Ansul 570549)	303.18	80.85
21 22 16 00-0061	EA	Electric Actuator Shipping Assembly, Sapphire® Fire Suppression System (Ansul 570537)	680.37	107.79

21 22 16 00-0062 Nameplates, Sapphire® Fire Suppression Systems *(21 22 16 00-0027)*

21 22 16 00-0063	EA	Warning Plate For Use Outside Room, Sapphire® Fire Suppression Systems (Ansul 570580)	50.53	13.48
21 22 16 00-0064	EA	Warning Plate for Use Inside Room, Sapphire® Fire Suppression Systems (Ansul 570581)	54.97	13.48

21 22 16 00-0065 Cylinder Bracketing, Sapphire® Fire Suppression Systems *(21 22 16 00-0027)*

21 22 16 00-0066	EA	Tank Bracket Assembly For 20 Lb., 40 Lb., 50 Lb., 80 Lb., And 90 Lb., Tanks, Sapphire® Fire Suppression Systems (Ansul 570085)	155.53	40.42
21 22 16 00-0067	EA	Tank Bracket Assembly For 140 Lb., 280 Lb., 390 Lb., And 450 Lb., Tanks, Sapphire® Fire Suppression Systems (Ansul 570085)	164.37	40.42
21 22 16 00-0068	EA	Tank Bracket Assembly For 850 Lb. Tanks, Sapphire® Fire Suppression Systems (Ansul 570336)	175.68	40.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0069		**Check Valves, Sapphire® Fire Suppression Systems** *(21 22 16 00-0027)*		
21 22 16 00-0070	EA	1" Manifold Check Valve, Sapphire® Fire Suppression Systems (Ansul 570566)	418.73	42.90
21 22 16 00-0071	EA	2" Manifold Check Valve, Sapphire® Fire Suppression Systems (Ansul 570568)	588.44	73.62
21 22 16 00-0072		**Discharge Hose, Sapphire® Fire Suppression Systems** *(21 22 16 00-0027)*		
21 22 16 00-0073	EA	1" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 570539)	131.53	26.95
21 22 16 00-0074	EA	2" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 570538)	493.15	26.95
21 22 16 00-0075	EA	3" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 69990)	415.50	26.95
21 22 16 00-0076	EA	3" Discharge Hose And Check Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 69841)	1,815.30	107.79
21 22 16 00-0077		**Swivel Adaptors, Sapphire® Fire Suppression Systems** *(21 22 16 00-0027)*		
21 22 16 00-0078	EA	1" Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 570557)	47.20	18.87
21 22 16 00-0079	EA	2" Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 570558)	83.94	18.87
21 22 16 00-0080	EA	3" Flare To 3" Grooved, Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 69471)	233.30	13.48
21 22 16 00-0081	EA	3" Flare To 3" NPT, Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 69470)	301.55	13.48
21 22 16 00-0082		**Pressure Switches, Sapphire® Fire Suppression Systems** *(21 22 16 00-0027)*		
21 22 16 00-0083	EA	Cylinder Low Pressure Switch, Sapphire® Fire Suppression Systems (Ansul 570585)	173.13	53.90
21 22 16 00-0084	EA	Pressure Trip, Sapphire® Fire Suppression Systems (Ansul 5156)	174.00	22.63
21 22 16 00-0085	EA	Weather Proof, DPST Pressure Switch, Sapphire® Fire Suppression Systems (Ansul 46250)	535.50	94.31
21 22 16 00-0086		**Level Indicators, Sapphire® Fire Suppression Systems** *(21 22 16 00-0027)*		
21 22 16 00-0087	EA	Liquid Level Indicator For 280 Lb. Tanks, Sapphire® Fire Suppression Systems (Ansul 570277)	625.32	18.87
21 22 16 00-0088	EA	Liquid Level Indicator For 390 Lb. And 850 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570278)	654.82	18.87
21 22 16 00-0089	EA	Liquid Level Indicator For 450 Lb. Tanks, Sapphire® Fire Suppression Systems (Ansul 570589)	701.44	26.95
21 22 16 00-0090		**Inspection/Maintenance Devices, Sapphire® Fire Suppression Systems** *(21 22 16 00-0027)*		
21 22 16 00-0091	EA	Master Tank Pilot Port Male Adaptor, Sapphire® Fire Suppression Systems (Ansul 570342)	48.05	16.17
21 22 16 00-0092	EA	Cylinder Valve Pressure Gauge, Sapphire® Fire Suppression Systems (Ansul 570642)	60.22	18.87
21 22 16 00-0093	EA	Recharge Top Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570579)	201.19	80.85
21 22 16 00-0094	EA	1" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570576)	234.89	80.85
21 22 16 00-0095	EA	2" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570592)	262.90	80.85
21 22 16 00-0096	EA	3" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 69891)	353.30	80.85
21 22 16 00-0097		**Replacement Parts, Sapphire® Fire Suppression Systems** *(21 22 16 00-0027)*		
21 22 16 00-0098	EA	O-Ring Kit, Sapphire® Fire Suppression Systems (Ansul 570559)	57.25	21.56
21 22 16 00-0099	EA	Recoil Cap, Sapphire® Fire Suppression Systems (Ansul 570553)	94.26	13.48
21 22 16 00-0100	EA	Burst Disc Assembly, Sapphire® Fire Suppression Systems (Ansul 570053)	127.12	26.95
21 22 16 00-0101	EA	Bonnet Assembly, Sapphire® Fire Suppression Systems (Ansul 570543)	335.47	107.79
21 22 16 00-0102	EA	Piston Assembly, Sapphire® Fire Suppression Systems (Ansul 570551)	507.42	107.79
21 22 16 00-0103	EA	1" Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570535)	1,713.10	107.79
21 22 16 00-0104		**Inergen® Fire Suppression System** *(21 22 16 00-0026)*		
21 22 16 00-0105		**Actuation Attachments, Inergen® Fire Suppression System** *(21 22 16 00-0104)*		
21 22 16 00-0106	EA	Flexible Discharge Bend For CV90 And CV98 (200 Bar), Inergen® Fire Suppression System (Ansul 427082)	184.11	26.70
21 22 16 00-0107	EA	Metron Protractor Replacement Cartridges, Inergen® Fire Suppression System (Ansul 423958)	214.05	28.69
21 22 16 00-0108	EA	Electric Actuator, Lever, CV98, Inergen® Fire Suppression System (Ansul 423309)	382.97	51.93
21 22 16 00-0109	EA	Electric Actuator For CV90 Valve, Inergen® Fire Suppression System (Ansul 426876)	770.21	118.28
21 22 16 00-0110		**Check Valves, Inergen® Fire Suppression System** *(21 22 16 00-0104)*		
21 22 16 00-0111	EA	2" Bronze Check Valve, Weld Neck Flange, Inergen® Fire Suppression System (Ansul 840794)	1,854.93	156.10
21 22 16 00-0112		**Components, Inergen® Fire Suppression System** *(21 22 16 00-0104)*		
21 22 16 00-0113	EA	1/2" Manifold Relief Valve, Inergen® Fire Suppression System (Ansul 418378)	54.69	8.19
21 22 16 00-0114	EA	Pressure Operated Siren, Inergen® Fire Suppression System (Ansul 419700)	643.18	87.71
21 22 16 00-0115	EA	30 Second Pneumatic Time Delay, Inergen® Fire Suppression System (Ansul 54169)	2,002.19	274.43
21 22 16 00-0116	EA	60 Second Time Delay, Inergen® Fire Suppression System (Ansul 426170)	1,908.33	279.58
21 22 16 00-0117		**Cylinders, Inergen® Fire Suppression System** *(21 22 16 00-0104)* Note: Includes CV98 valve. Factory filled with Inergen agent.		
21 22 16 00-0118	EA	200 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426147)	1,669.69	251.16
21 22 16 00-0119	EA	250 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426148)	1,894.05	284.56
21 22 16 00-0120	EA	350 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426620)	2,710.17	368.75
21 22 16 00-0121	EA	435 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426150)	2,712.45	450.61
21 22 16 00-0122	EA	250 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426257)	1,959.24	317.29
21 22 16 00-0123	EA	350 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426621)	2,775.83	401.61

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0124	EA	435 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426259)	2,865.35	484.22
21 22 16 00-0125		**Inspection/Maintenance Devices, Inergen® Fire Suppression System** *(21 22 16 00-0104)*		
21 22 16 00-0126	EA	CV90 Fill Adaptor To CV98 Valve, Conversion Adapter, Inergen® Fire Suppression System (Ansul 423657)	63.02	9.13
21 22 16 00-0127	EA	CV98 To CV90 Conversion Adapter, Cylinder Test Gauge, Inergen® Fire Suppression System (Ansul 426181)	63.02	9.13
21 22 16 00-0128	EA	CV90 Pressure Test Assembly Venting Kit, Inergen® Fire Suppression System (Ansul 426954)	76.01	10.14
21 22 16 00-0129	EA	Pressure Test Gauge, Inergen® Fire Suppression System (Ansul 423923)	1,200.86	174.29
21 22 16 00-0130		**Multiple Cylinder Bracketing, Inergen® Fire Suppression System** *(21 22 16 00-0104)*		
21 22 16 00-0131	EA	13" Carriage Bolt With Nut, Multiple Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 418502) Note: For single row 435 cubic foot cylinders.	20.22	2.67
21 22 16 00-0132	EA	27" Carriage Bolt With Nut, Multiple Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 418503) Note: For double row 435 cubic foot cylinders.	28.70	3.81
21 22 16 00-0133		**Nameplates, Inergen® Fire Suppression System** *(21 22 16 00-0104)*		
21 22 16 00-0134	EA	Warning Plate, Nameplate, Inside Room With Alarm, Inergen® Fire Suppression System (Ansul 416265)	22.30	2.98
21 22 16 00-0135	EA	Warning Plate, Nameplate, Outside Room Without Alarm, Inergen® Fire Suppression System (Ansul 416266)	20.62	2.98
21 22 16 00-0136		**Nozzle Deflector Shields, Inergen® Fire Suppression System** *(21 22 16 00-0104)*		
21 22 16 00-0137	EA	1/2" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417708)	89.60	12.86
21 22 16 00-0138	EA	3/4" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417711)	94.01	13.47
21 22 16 00-0139	EA	1" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417714)	109.24	15.56
21 22 16 00-0140	EA	1-1/4" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417717)	121.76	17.57
21 22 16 00-0141	EA	1-1/2" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417720)	139.68	20.20
21 22 16 00-0142		**Nozzles, Inergen® Fire Suppression System** *(21 22 16 00-0104)*		
21 22 16 00-0143	EA	1/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417908)	137.22	19.90
21 22 16 00-0144	EA	3/8" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417723)	142.37	20.50
21 22 16 00-0145	EA	1/2" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417362)	131.33	18.97
21 22 16 00-0146	EA	3/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417363)	134.51	20.50
21 22 16 00-0147	EA	1" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417364)	156.12	22.54
21 22 16 00-0148	EA	1-1/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417365)	166.91	24.00
21 22 16 00-0149	EA	1-1/2" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417366)	179.70	25.76
21 22 16 00-0150	EA	2" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426155)	309.31	45.08
21 22 16 00-0151	EA	2-1/2" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426156)	408.96	59.13
21 22 16 00-0152	EA	3" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426137)	445.83	65.00
21 22 16 00-0153	EA	1/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426138)	159.82	23.40
21 22 16 00-0154	EA	3/8" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426139)	188.51	27.41
21 22 16 00-0155	EA	1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426140)	155.13	22.54
21 22 16 00-0156	EA	3/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426141)	165.70	23.89
21 22 16 00-0157	EA	1" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426142)	167.17	24.00
21 22 16 00-0158	EA	1-1/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426143)	201.79	29.16
21 22 16 00-0159	EA	1-1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426157)	217.49	31.61
21 22 16 00-0160	EA	2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426144)	333.86	48.52
21 22 16 00-0161	EA	2-1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426145)	389.81	56.80
21 22 16 00-0162	EA	3" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426146)	427.14	62.06
21 22 16 00-0163		**Pressure Reducers, Inergen® Fire Suppression System** *(21 22 16 00-0104)*		
21 22 16 00-0164	EA	1/2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416677)	179.70	25.76
21 22 16 00-0165	EA	3/4" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416678)	220.46	32.09
21 22 16 00-0166	EA	1" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416679)	237.13	34.55
21 22 16 00-0167	EA	1-1/4" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416680)	333.86	48.52
21 22 16 00-0168	EA	1-1/2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416681)	364.78	53.16
21 22 16 00-0169	EA	2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416682)	428.59	62.06
21 22 16 00-0170	EA	2-1/2" NPT, Orifice Nipple, Pressure Reducer, Inergen® Fire Suppression System (Ansul 417057)	498.31	72.77
21 22 16 00-0171	EA	3" NPT, Orifice Nipple, Pressure Reducer, Inergen® Fire Suppression System (Ansul 417058)	589.14	86.07
21 22 16 00-0172	EA	2-1/2" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426823)	751.40	169.80
21 22 16 00-0173	EA	3" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426824)	967.44	199.08
21 22 16 00-0174	EA	4" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426825)	1,237.74	333.74
21 22 16 00-0175	EA	2-1/2" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426847)	732.72	169.80
21 22 16 00-0176	EA	3" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426848)	811.06	118.60
21 22 16 00-0177	EA	4" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426849)	1,237.74	333.74
21 22 16 00-0178	EA	2-1/2" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426853)	748.44	169.80
21 22 16 00-0179	EA	3" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426854)	842.97	123.25
21 22 16 00-0180	EA	4" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426855)	1,214.16	333.74
21 22 16 00-0181		**Pressure Switches, Inergen® Fire Suppression System** *(21 22 16 00-0104)*		
21 22 16 00-0182	EA	3PST, Pressure Switch, Inergen® Fire Suppression System (Ansul 842344)	844.05	129.40
21 22 16 00-0183		**Releasing Device Equipment, Inergen® Fire Suppression System** *(21 22 16 00-0104)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0184	EA	12 Or 24 Volt DC, Assembly, Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 17728)	1,383.99	200.75
21 22 16 00-0185	EA	24 Volt DC, Explosion Proof Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 31492)	1,969.79	267.50
21 22 16 00-0186	EA	120 Volt AC, Explosion Proof Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 32525)	2,088.17	272.11
21 22 16 00-0187	EA	Cocking Lever For Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 26310)	97.70	13.84
21 22 16 00-0188	EA	LT-30-R Nitrogen Cartridge, Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 5373)	116.81	18.33
21 22 16 00-0189	EA	Remote Actuator Booster With N2 Cartridge, Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 28939)	1,118.48	143.22
21 22 16 00-0190		**Replacement Orifice Plates, Inergen® Fire Suppression System** *(21 22 16 00-0104)*		
21 22 16 00-0191	EA	1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418095)	122.28	13.60
21 22 16 00-0192	EA	3/4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418096)	128.17	14.32
21 22 16 00-0193	EA	1" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418097)	134.55	14.56
21 22 16 00-0194	EA	1-1/4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418098)	144.38	15.05
21 22 16 00-0195	EA	1-1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418099)	150.26	16.51
21 22 16 00-0196	EA	2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418100)	150.99	17.84
21 22 16 00-0197	EA	2-1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426984)	331.38	47.82
21 22 16 00-0198	EA	3" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426985)	334.35	48.31
21 22 16 00-0199	EA	4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426986)	428.59	61.90
21 22 16 00-0200		**Single Cylinder Bracketing, Inergen® Fire Suppression System** *(21 22 16 00-0104)*		
21 22 16 00-0201	EA	Strap For 435 CF Cylinder, Single Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 427704)	156.12	22.54
21 22 16 00-0202	EA	Channel For 435 CF Cylinder, Single Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 427705) Note: Includes saddle, padding and fasteners.	214.44	51.53
21 22 16 00-0203		**Single Mating Flanges, Flanged Manifold Orifices, Inergen® Fire Suppression System** *(21 22 16 00-0104)*		
21 22 16 00-0204	EA	2-1/2" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426856) Note: Includes gasket and fasteners.	406.21	33.32
21 22 16 00-0205	EA	3" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426857) Note: Includes gasket and fasteners.	342.19	49.75
21 22 16 00-0206	EA	4" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426858) Note: Includes gasket and fasteners.	693.41	333.74
21 22 16 00-0207	EA	2-1/2" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426859) Note: Includes gasket and fasteners.	214.55	31.12
21 22 16 00-0208	EA	3" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426860) Note: Includes gasket and fasteners.	251.85	36.30
21 22 16 00-0209	EA	4" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426861) Note: Includes gasket and fasteners.	688.45	333.74
21 22 16 00-0210	EA	2-1/2" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426862) Note: Includes gasket and fasteners.	223.37	32.59
21 22 16 00-0211	EA	3" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426863) Note: Includes gasket and fasteners.	261.69	37.98
21 22 16 00-0212	EA	4" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426864) Note: Includes gasket and fasteners.	713.01	333.74
21 22 16 00-0213	EA	2-1/2" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426828) Note: Includes a stainless steel inner ring and a carbon steel outer ring.	43.65	2.47
21 22 16 00-0214	EA	3" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426829) Note: Includes a stainless steel inner ring and a carbon steel outer ring.	44.14	2.72
21 22 16 00-0215	EA	4" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426830) Note: Includes a stainless steel inner ring and a carbon steel outer ring.	47.55	3.22
21 22 16 00-0216		**Upright And Feet, Cylinder Bracketing, Inergen® Fire Suppression System** *(21 22 16 00-0104)*		
21 22 16 00-0217	EA	Center Upright Foot, Inergen® Fire Suppression System (Ansul 418508)	27.35	3.96
21 22 16 00-0218	EA	Double Row, Back-To-Back Rows, Weigh Rail Support, Inergen® Fire Suppression System (Ansul 423027)	224.86	30.10
21 22 16 00-0219	EA	85" High, Cylinder Bracketing For 425 CF And LC100 Cylinders, Inergen® Fire Suppression System (Ansul 426592) Note: Includes upright, left, right and center.	167.89	30.10
21 22 16 00-0220		**Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0026)*		
21 22 16 00-0221		**Accessory Switches, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0220)*		
21 22 16 00-0222	EA	Abort, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76495)	176.25	25.98
21 22 16 00-0223	EA	Abort, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76494)	200.32	29.61

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0224	EA	Main/Reserve, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76497)	254.79	37.63
21 22 16 00-0225	EA	Main/Reserve, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76496)	274.44	40.54
21 22 16 00-0226	EA	Maintenance, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76499)	343.66	50.98
21 22 16 00-0227	EA	Maintenance, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76498)	365.75	54.13
21 22 16 00-0228	EA	Explosion Proof, Abort Switch, Autopulse® Fire Detection And Control Equipment (Ansul 65956)	701.08	104.38
21 22 16 00-0229	EA	Single Gang, Surface Mount Back Box For Accessory Switches, Autopulse® Fire Detection And Control Equipment (Ansul 76490)	56.43	7.77

21 22 16 00-0230 Alarm Devices, Autopulse® Fire Detection And Control Equipment *(21 22 16 00-0220)*

21 22 16 00-0231	EA	Selectable Candela Strobe, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429698)	152.69	22.57
21 22 16 00-0232	EA	Sync Module, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429699)	223.88	33.02
21 22 16 00-0233	EA	Back Box Extender Adapter, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429702)	20.42	3.01

21 22 16 00-0234 Annunciators, Autopulse® Fire Detection And Control Equipment *(21 22 16 00-0220)*

21 22 16 00-0235	EA	80 Character LCD, Annunciator, LCD-80, Autopulse® Fire Detection And Control Equipment (Ansul 417492)	1,759.27	261.92
21 22 16 00-0236	EA	16 Zone Alarm/Trouble, Annunciator Control Module, ACM-16AT, Autopulse® Fire Detection And Control Equipment (Ansul 417496)	1,474.79	219.43
21 22 16 00-0237	EA	16 Zone Alarm/Trouble, Annunciator Expander Module, AEM-16AT, Autopulse® Fire Detection And Control Equipment (Ansul 417497)	1,144.86	170.40
21 22 16 00-0238	EA	32 Zone, Alarm Annunciator Expander Module, AEM-32A, Autopulse® Fire Detection And Control Equipment (Ansul 417500)	997.11	148.31
21 22 16 00-0239	EA	Annunciator Lamp Driver Control Module, LDM-32, Autopulse® Fire Detection And Control Equipment (Ansul 417501)	997.11	148.31
21 22 16 00-0240	EA	Annunciator Lamp Driver Expander Module, LDM-E32, Autopulse® Fire Detection And Control Equipment (Ansul 417502)	798.77	118.70
21 22 16 00-0241	EA	Annunciator Lamp Driver Relay Module, LDM-R32, Autopulse® Fire Detection And Control Equipment (Ansul 417650)	1,474.79	219.43
21 22 16 00-0242	EA	24", Annunciator Lamp Driver Cable, LDM-CBL24, Autopulse® Fire Detection And Control Equipment (Ansul 417651)	299.96	44.42
21 22 16 00-0243	EA	48", Annunciator Lamp Driver Cable, LDM-CBL48, Autopulse® Fire Detection And Control Equipment (Ansul 417652)	376.06	55.83
21 22 16 00-0244	EA	8 Relay, Annunciator Control Module, ACM-8R, Autopulse® Fire Detection And Control Equipment (Ansul 417653)	754.08	112.14
21 22 16 00-0245	EA	Key Switch, AKS-1 Annunciator Accessory, Autopulse® Fire Detection And Control Equipment (Ansul 417660)	127.40	18.81
21 22 16 00-0246	EA	Low Profile Annunciator Chassis, CHS-4L, Autopulse® Fire Detection And Control Equipment (Ansul 418576) Note: For up to 4 LDM modules.	173.29	25.98
21 22 16 00-0247	EA	Flush, Single Annunciator Back Box, ABF-1, Autopulse® Fire Detection And Control Equipment (Ansul 417657)	299.97	44.42

21 22 16 00-0248 Autopulse IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment *(21 22 16 00-0220)*

21 22 16 00-0249	EA	CHS-4 Chassis, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419586)	233.19	36.17
21 22 16 00-0250	EA	REL 47K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419639)	14.43	2.48
21 22 16 00-0251	EA	REL 4.7K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419640)	100.41	3.01
21 22 16 00-0252	EA	REL 2.2K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 407765)	15.61	3.01

21 22 16 00-0253 Autopulse IQ-396X Modules, Autopulse® Fire Detection And Control Equipment *(21 22 16 00-0220)*

21 22 16 00-0254	EA	Indicating Circuit Expander, IQ-396X Modules, ICE-4, Autopulse® Fire Detection And Control Equipment (Ansul 419564)	518.40	81.07
21 22 16 00-0255	EA	Control Relay Expander, IQ-396X Modules, CRE-4, Autopulse® Fire Detection And Control Equipment (Ansul 419566)	310.76	48.31

21 22 16 00-0256 Batteries And Power Supplies, Autopulse® Fire Detection And Control Equipment *(21 22 16 00-0220)*

21 22 16 00-0257	EA	7 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417692)	228.86	31.07
21 22 16 00-0258	EA	12 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417693)	478.65	65.78
21 22 16 00-0259	EA	18 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417694)	540.16	74.52
21 22 16 00-0260	EA	25 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417695)	705.69	90.78
21 22 16 00-0261	EA	55 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417997)	1,138.24	157.54
21 22 16 00-0262	EA	BB-17, Red Battery Box, Autopulse® Fire Detection And Control Equipment (Ansul 418578)	170.37	25.00
21 22 16 00-0263	EA	BB-25, Grey Cabinet, Autopulse® Fire Detection And Control Equipment (Ansul 428079) Note: Holds six XP5 modules or 25AH battery pack.	304.38	45.15
21 22 16 00-0264	EA	BB-55, Red Battery Box, Autopulse® Fire Detection And Control Equipment (Ansul 419410) Note: For mounting in BB-55 battery box.	619.09	92.00
21 22 16 00-0265	EA	Battery Charger, CHG-120, Autopulse® Fire Detection And Control Equipment (Ansul 426207) Note: For mounting in BB-55 battery box.	1,799.78	267.98
21 22 16 00-0266	EA	120 Volt AC, FCPS-24F, Red Remote Power Supply, Autopulse® Fire Detection And Control Equipment (Ansul 418563)	1,316.20	195.89

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0267		**Intelligent Addressable Devices, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0220)*		
21 22 16 00-0268	EA	Monitor Module, Intelligent Addressable Devices, FMM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428097)	138.69	20.76
21 22 16 00-0269	EA	Mini Monitor Module, Intelligent Addressable Devices, FMM-101, Autopulse® Fire Detection And Control Equipment (Ansul 428098)	129.61	20.63
21 22 16 00-0270	EA	Isolator Module, Intelligent Addressable Devices, ISO-X, Autopulse® Fire Detection And Control Equipment (Ansul 417480)	175.74	29.61
21 22 16 00-0271	EA	2-Wire Detector Monitor Module, Intelligent Addressable Devices, FZM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428100)	260.69	38.60
21 22 16 00-0272	EA	NAC Control Module, Intelligent Addressable Devices, FCM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428101)	202.75	31.31
21 22 16 00-0273	EA	Control Relay Module, Intelligent Addressable Devices, FRM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428102)	190.48	30.10
21 22 16 00-0274	EA	Flangeless, Analog Addressable Detector Base, Intelligent Addressable Devices, B501, Autopulse® Fire Detection And Control Equipment (Ansul 417487)	30.34	4.80
21 22 16 00-0275	EA	Analog Addressable Detector Base With Isolator, Intelligent Addressable Devices, B224BI, Autopulse® Fire Detection And Control Equipment (Ansul 426125)	111.94	16.99
21 22 16 00-0276	EA	Harsh Detector, Analog Addressable Detector Base, Intelligent Addressable Devices, B710HD, Autopulse® Fire Detection And Control Equipment (Ansul 427066)	111.94	16.51
21 22 16 00-0277	EA	HPX-751 Detector Filter Cover, Intelligent Addressable Devices, FR-FTX, Autopulse® Fire Detection And Control Equipment (Ansul 427067)	40.14	13.60
21 22 16 00-0278	EA	Low Profile Trim Ring, Intelligent Addressable Devices, F110, Autopulse® Fire Detection And Control Equipment (Ansul 428138) Note: Converts BX501 to low profile base.	10.30	1.50
21 22 16 00-0279	EA	Relay Base, Intelligent Addressable Devices, B224RB, Autopulse® Fire Detection And Control Equipment (Ansul 423945)	107.75	15.90
21 22 16 00-0280	EA	EOL Power Supervision Relay, Intelligent Addressable Devices, Autopulse® Fire Detection And Control Equipment (Ansul 417699)	63.13	9.37
21 22 16 00-0281	EA	XP5 Modules Cabinet, Intelligent Addressable Devices, BB-XP, Autopulse® Fire Detection And Control Equipment (Ansul 428078)	170.84	24.76
21 22 16 00-0282	EA	BB-25 Chassis, Intelligent Addressable Devices, CHS-6, Autopulse® Fire Detection And Control Equipment (Ansul 428080)	89.35	13.10
21 22 16 00-0283		**Manual Pull Stations, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0220)*		
21 22 16 00-0284	EA	Break Rod Package For Manual Pull Stations, Autopulse® Fire Detection And Control Equipment (Ansul 428661)	25.71	3.52
21 22 16 00-0285	EA	Key Pull Station For Manual Pull Stations, Autopulse® Fire Detection And Control Equipment (Ansul 418336)	15.93	1.94
21 22 16 00-0286		**Transmitter/Relay Modules, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0220)*		
21 22 16 00-0287	EA	Transmitter Module, 4XTM, Autopulse® Fire Detection And Control Equipment (Ansul 417470) Note: Includes municipal box and remote station connection.	223.88	33.02
21 22 16 00-0288	EA	Relay/Transmitter Module With 8 Form C Relay Contacts, RTM-8, Autopulse® Fire Detection And Control Equipment (Ansul 417471)	673.11	94.91
21 22 16 00-0289	EA	Universal Digital Alarm COM/XMTR Module, UDACT, Autopulse® Fire Detection And Control Equipment (Ansul 419411)	1,285.30	191.28
21 22 16 00-0290	EA	Ferrite Core For Transmitter/Relay Modules, Autopulse® Fire Detection And Control Equipment (Ansul 419635)	34.28	4.96
21 22 16 00-0291		**Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0026)*		
21 22 16 00-0292		**Batteries And Power Supplies, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0291)*		
21 22 16 00-0293	EA	Transformer Only, VSP-TRAN-120, Vesda® Aspirating Smoke Detection System (Ansul 430482)	174.15	23.31
21 22 16 00-0294	EA	Battery Cabinet, VBC-001, Vesda® Aspirating Smoke Detection System (Ansul 430379)	411.28	35.13
21 22 16 00-0295	EA	120 Volt AC, Single Zone Power Supply With Housing, VPS-100US-120, Vesda® Aspirating Smoke Detection System (Ansul 430374)	968.68	135.93
21 22 16 00-0296	EA	220 Volt AC, Single Zone Power Supply With Housing, VPS-100US-220, Vesda® Aspirating Smoke Detection System (Ansul 430375)	968.68	135.93
21 22 16 00-0297	EA	120 Volt AC, Multi Zone Power Supply, VPS-300US-120, Vesda® Aspirating Smoke Detection System (Ansul 430376) Note: Includes housing and battery cab.	1,455.44	203.90
21 22 16 00-0298	EA	220 Volt AC, Multi Zone Power Supply, VPS-300US-220, Vesda® Aspirating Smoke Detection System (Ansul 430377) Note: Includes housing and battery cab.	1,455.44	203.90
21 22 16 00-0299	EA	48 Volt DC, Multi Zone Power Supply With Housing, VPS-400US-48, Vesda® Aspirating Smoke Detection System (Ansul 430378)	2,125.43	259.73
21 22 16 00-0300		**Blank Plates, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0291)*		
21 22 16 00-0301	EA	Blank Plate Without VESDA Logo, VSP-300, Vesda® Aspirating Smoke Detection System (Ansul 430459)	31.24	4.37
21 22 16 00-0302	EA	Blank Plate With VESDA Logo, VSP-000, Vesda® Aspirating Smoke Detection System (Ansul 430458)	47.07	4.37
21 22 16 00-0303	EA	Blank Plate, EMC Painted Without Logo, VSP-200, Vesda® Aspirating Smoke Detection System (Ansul 430484)	68.35	8.25
21 22 16 00-0304	EA	Single Blank Plate, VRE-001, Vesda® Aspirating Smoke Detection System (Ansul 430446)	106.38	9.23
21 22 16 00-0305	EA	Double Blank Plate, VRE-002, Vesda® Aspirating Smoke Detection System (Ansul 430447)	133.92	18.45
21 22 16 00-0306	EA	Blank Plate Without FOK LED's And Logo, VSP-100, Vesda® Aspirating Smoke Detection System (Ansul 430480)	247.85	23.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0307		**Detectors, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0291)*		
21 22 16 00-0308	EA	LaserPLUS, Detector Only, Enclosure, VLP-000, Vesda® Aspirating Smoke Detection System (Ansul 430350) Note: Includes 3 blank plates.	7,317.95	1,140.87
21 22 16 00-0309	EA	LaserPLUS Detector, VLP-012, Vesda® Aspirating Smoke Detection System (Ansul 430354) Note: Includes centrally mounted LCD programmer module and standard display.	9,335.96	1,407.88
21 22 16 00-0310	EA	LaserPLUS Detector, VLP-010, Vesda® Aspirating Smoke Detection System (Ansul 430356) Note: Includes centrally mounted LCD programmer.	8,442.08	1,286.51
21 22 16 00-0311	EA	7-Relay Version, LaserSCANNER Detector Only, VLS-200, Vesda® Aspirating Smoke Detection System (Ansul 430357)	11,736.80	1,699.17
21 22 16 00-0312	EA	12-Relay Version, LaserSCANNER Detector Only, VLS-300, Vesda® Aspirating Smoke Detection System (Ansul 430358)	12,357.02	1,796.27
21 22 16 00-0313	EA	7-Relay Version, LaserSCANNER Detector Only, VLS-600, Vesda® Aspirating Smoke Detection System (Ansul 430359) Note: Includes 1 fire alarm (any SCT) and OK/FOK LEDs.	11,866.06	1,723.44
21 22 16 00-0314	EA	12-Relay Version, LaserSCANNER Detector Only, VLS-700, Vesda® Aspirating Smoke Detection System (Ansul 430360) Note: Includes 1 fire alarm (any SCT) and OK/FOK LED.	12,532.03	1,820.54
21 22 16 00-0315	EA	7-Relay, LaserSCANNER Detector Only, VLS-204, Vesda® Aspirating Smoke Detection System (Ansul 430361) Note: Includes 2 blank plates and scan display module at far right.	12,890.53	1,893.36
21 22 16 00-0316	EA	12-Relay, LaserSCANNER Detector, VLS-304, Vesda® Aspirating Smoke Detection System (Ansul 430363) Note: Includes 2 blank plates and scanner display.	13,450.16	1,990.46
21 22 16 00-0317	EA	7-Relay, LaserSCANNER Detector, VLS-214, Vesda® Aspirating Smoke Detection System (Ansul 430365) Note: Includes centrally mounted programmer module.	14,137.23	2,087.55
21 22 16 00-0318	EA	12-Relay, LaserSCANNER Detector, VLS-314, Vesda® Aspirating Smoke Detection System (Ansul 430367) Note: Includes centrally mounted LCD programmer module and scanner display module.	14,741.08	2,184.66
21 22 16 00-0319	EA	12-Relay, LaserSCANNER Detector, VLS-310, Vesda® Aspirating Smoke Detection System (Ansul 430369) Note: Includes centrally mounted LCD programmer.	13,852.40	1,990.46
21 22 16 00-0320		**Displays, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0291)*		
21 22 16 00-0321	EA	VRT-200 Display, Standard Version, Vesda® Aspirating Smoke Detection System (Ansul 430381) Note: Includes a remote termination card and 7 relays.	2,224.36	267.01
21 22 16 00-0322	EA	VRT-400 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430385) Note: Includes a remote termination card and 7 relays.	2,235.18	267.01
21 22 16 00-0323	EA	VRT-600 Display, Standard Version, Vesda® Aspirating Smoke Detection System (Ansul 430383) Note: Includes a remote termination card without relays.	2,014.46	242.74
21 22 16 00-0324	EA	VRT-700 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430387) Note: Includes a remote termination card.	2,027.03	242.74
21 22 16 00-0325	EA	VRT-800 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430389) Note: Includes a remote termination card and 12 relays.	2,505.32	291.29
21 22 16 00-0326	EA	VRT-K00 Display, Compact Version Without Relays, Vesda® Aspirating Smoke Detection System (Ansul 430391)	2,129.14	252.45
21 22 16 00-0327	EA	VRT-J00 Display, Compact Version With 7 Relays, Vesda® Aspirating Smoke Detection System (Ansul 430393)	2,330.83	283.52
21 22 16 00-0328		**Intelligent Addressable Devices, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0291)*		
21 22 16 00-0329	EA	LaserCOMPACT (VN), VESDAnet Version Plus Relay Output, VLC-505, Vesda® Aspirating Smoke Detection System (Ansul 430370)	5,596.93	801.04
21 22 16 00-0330	EA	LaserCOMPACT (RO), Relay Only Version, VLC-500, Vesda® Aspirating Smoke Detection System (Ansul 430372)	4,609.00	640.83
21 22 16 00-0331	EA	Programmer With Remote Termination Card, VRT-100, Vesda® Aspirating Smoke Detection System (Ansul 430380)	1,630.01	242.74
21 22 16 00-0332	EA	VESDAnet Socket, VRT-300, Vesda® Aspirating Smoke Detection System (Ansul 430395)	1,173.00	157.78
21 22 16 00-0333	EA	System Relay Module, VRT-S07, Vesda® Aspirating Smoke Detection System (Ansul 430399)	1,634.09	212.64
21 22 16 00-0334	EA	PC-Link High-Level Interface, VHX-0200, Vesda® Aspirating Smoke Detection System (Ansul 430442) Note: Interface connects PC and LaserPLUS system.	2,453.87	262.16
21 22 16 00-0335	EA	Modem Cable, PC-HLI To Modem Connection, VHX-00090, Vesda® Aspirating Smoke Detection System (Ansul 430443)	308.21	39.32
21 22 16 00-0336	EA	Hand-Held Programmer, VHH-1000, Vesda® Aspirating Smoke Detection System (Ansul 430444)	2,060.43	242.74
21 22 16 00-0337	EA	Programmer Module, VSP-001, Vesda® Aspirating Smoke Detection System (Ansul 430460)	1,472.47	201.47
21 22 16 00-0338	EA	VESDAnet Socket Kit, VSP-003, Vesda® Aspirating Smoke Detection System (Ansul 430463)	1,156.37	155.35
21 22 16 00-0339	EA	Standard Display Module, VSP-002, Vesda® Aspirating Smoke Detection System (Ansul 430461)	1,474.83	201.47
21 22 16 00-0340	EA	Scanner Display Module, VSP-004, Vesda® Aspirating Smoke Detection System (Ansul 430464)	1,472.47	201.47
21 22 16 00-0341	EA	Remote Display Module, Compact (VN), VSP-502, Vesda® Aspirating Smoke Detection System (Ansul 430487)	1,455.68	189.34
21 22 16 00-0342	EA	Filter Cartridge, VSP-005, Vesda® Aspirating Smoke Detection System (Ansul 430466)	173.31	16.99
21 22 16 00-0343	EA	Detector Chassis Assembly, VSP-006, Vesda® Aspirating Smoke Detection System (Ansul 430467)	7,033.86	932.12
21 22 16 00-0344	EA	Scanner Chassis Assembly, VSP-009, Vesda® Aspirating Smoke Detection System (Ansul 430470)	12,256.75	1,631.20
21 22 16 00-0345	EA	Aspirator For LaserPLUS And Laser Scanner, VSP-015, Vesda® Aspirating Smoke Detection System (Ansul 430475)	957.61	121.37
21 22 16 00-0346	EA	Filter Cover, VSP-019, Vesda® Aspirating Smoke Detection System (Ansul 430477)	21.79	2.43
21 22 16 00-0347	EA	Cover Screws, 17606, Vesda® Aspirating Smoke Detection System (Ansul 430478)	12.27	0.48
21 22 16 00-0348	EA	US Power Supply Circuit Board Only, VSP-100, Vesda® Aspirating Smoke Detection System (Ansul 430481)	527.65	70.39
21 22 16 00-0349	EA	Relay Processor Module (DRP), VSP-102, Vesda® Aspirating Smoke Detection System (Ansul 430483)	639.26	85.44
21 22 16 00-0350	EA	Aspirator, LaserCOMPACT, VSP-501, Vesda® Aspirating Smoke Detection System (Ansul 430486)	922.83	123.80
21 22 16 00-0351	EA	RO-Cable For LaserCOMPACT Relay Only, (RO) Version, VSP-509, Vesda® Aspirating Smoke Detection System (Ansul 430488)	135.98	18.45
21 22 16 00-0352	EA	Miniature Sampling Point, E700-SP, Vesda® Aspirating Smoke Detection System (Ansul 430502)	21.27	3.89
21 22 16 00-0353		**Labels And Decals, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0291)*		
21 22 16 00-0354	EA	Sampling Point Labels, Roll Of 35, E700-SP-DCL-PIPE, Vesda® Aspirating Smoke Detection System (Ansul 430509)	19.31	2.91

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0355	EA	Round Point Label, Roll Of 50, E700-SP-DCL-PNT, Vesda® Aspirating Smoke Detection System (Ansul 430505)	20.29	3.39
21 22 16 00-0356	EA	Red, Round, Miniature Sampling Point Label, Sheet Of 12, E700-SPLR, Vesda® Aspirating Smoke Detection System (Ansul 430506)	31.24	4.37
21 22 16 00-0357	EA	Grey, Round, Miniature Sampling Point Label, Sheet Of 12, E700-SPLG, Vesda® Aspirating Smoke Detection System (Ansul 430507)	31.29	4.37
21 22 16 00-0358	EA	Sampling Point Decal, Wrap-Around Style, Roll Of 200, E700-SP-DCL, Vesda® Aspirating Smoke Detection System (Ansul 430508)	113.43	16.51
21 22 16 00-0359		**Mounting Hardware, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0291)*		
21 22 16 00-0360	EA	Remote Mounting Single Box With Escutcheon Only, VKT-000, Vesda® Aspirating Smoke Detection System (Ansul 430456)	279.91	34.95
21 22 16 00-0361	EA	Recessed Mounting Kit For Remote Single Boxes, VSP-012, Vesda® Aspirating Smoke Detection System (Ansul 430472)	377.12	46.60
21 22 16 00-0362	EA	Recessed Mounting Kit For VLP Or VLS Detector, VSP-011, Vesda® Aspirating Smoke Detection System (Ansul 430471)	385.95	50.98
21 22 16 00-0363	EA	Remote 19 Sub Rack With 4 Blank Plates, VSR-0000, Vesda® Aspirating Smoke Detection System (Ansul 430457)	936.90	72.82
21 22 16 00-0364	EA	Sub Rack Enclosure, VRE-100, Vesda® Aspirating Smoke Detection System (Ansul 430445)	1,380.85	160.21
21 22 16 00-0365		**Pipe And Fittings, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0291)*		
21 22 16 00-0366	LF	3/4", Orange Chlorinated Polyvinyl Chloride (CPVC) Pipe, Vesda® Aspirating Smoke Detection System (Ansul 430491)	6.10	1.86
21 22 16 00-0367	EA	3/4", End Cap, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430497)	10.52	3.73
21 22 16 00-0368	EA	3/4", 45 Degree Elbow, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430494)	29.13	11.17
21 22 16 00-0369	EA	3/4", 90 Degree Elbow, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430493)	30.01	11.17
21 22 16 00-0370	EA	3/4", Coupling, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430495)	20.64	7.44
21 22 16 00-0371	EA	3/4", Union, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430496)	33.10	11.17
21 22 16 00-0372	EA	3/4", Tee, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430498)	44.68	16.76
21 22 16 00-0373	EA	3/4" x 1/2" FPT, Tee, Chlorinated Polyvinyl Chloride (CPVC), Vesda® Aspirating Smoke Detection System (Ansul 430499)	55.61	19.67
21 22 16 00-0374	LF	1/2" OD x 3/8" ID, Black Polyethylene Tubing, Vesda® Aspirating Smoke Detection System (Ansul 430500)	5.11	1.75
21 22 16 00-0375	EA	Pipe Adapters, Metric-To-Imperial, VSP-021, Vesda® Aspirating Smoke Detection System (Ansul 430479)	20.34	5.34
21 22 16 00-0376	EA	Capillary Kit, 1 Male 1/2" TH x 1/2" OD, 1 Female 1/2" OD, Plastic, E700-CAP KIT, Vesda® Aspirating Smoke Detection System (Ansul 430503)	24.72	3.89
21 22 16 00-0377	EA	Capillary Kit, 1 Male 1/2" TH x 1/2" OD, 1 Female 1/2" OD, Brass, Vesda® Aspirating Smoke Detection System (Ansul 430504)	35.45	5.34
21 22 16 00-0378		**Remote Termination And Relay Cards, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0291)*		
21 22 16 00-0379	EA	VRT-500, Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430396) Note: Remote box includes 7 relays for VLP/VLC.	1,615.34	186.43
21 22 16 00-0380	EA	VN, Compact Termination Card, VSP-515, Vesda® Aspirating Smoke Detection System (Ansul 430490)	1,647.62	214.58
21 22 16 00-0381	EA	12-Relay, Remote Termination Card, VSP-208, Vesda® Aspirating Smoke Detection System (Ansul 430485)	997.34	131.08
21 22 16 00-0382	EA	RO, Compact Termination Card, VSP-510, Vesda® Aspirating Smoke Detection System (Ansul 430489)	1,139.52	148.07
21 22 16 00-0383	EA	VRT-501, Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430397) Note: Remote box includes 7 relays for VLS.	1,615.34	186.43
21 22 16 00-0384	EA	VRT-900 Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430398) Note: Remote box includes 12 relays for VLS.	1,948.83	214.58
21 22 16 00-0385	EA	Remote Termination Card Without Relay, VSP-007, Vesda® Aspirating Smoke Detection System (Ansul 430468)	553.04	66.02
21 22 16 00-0386	EA	Remote Termination Card (RTC7), VSP-008, Vesda® Aspirating Smoke Detection System (Ansul 430469)	831.91	100.98
21 22 16 00-0387	EA	7-Relay, Head Termination Card, VSP-014, Vesda® Aspirating Smoke Detection System (Ansul 430474)	1,567.62	208.76
21 22 16 00-0388	EA	12-Relay, Head Termination Card, VSP-016, Vesda® Aspirating Smoke Detection System (Ansul 430476)	2,299.71	305.85
21 22 16 00-0389		**Preferred® Low Pressure CO2 System** *(21 22 16 00-0026)*		
21 22 16 00-0390		**Manual Pull Stations, Preferred® Low Pressure CO2 System** *(21 22 16 00-0389)*		
21 22 16 00-0391	EA	Addressable, DPST, Dual Action Pull Station, Preferred® Low Pressure CO2 System (Ansul 428658) Note: Excludes FMM-101.	124.17	16.99
21 22 16 00-0392	EA	Weatherproof Back Box For Manual Pull Stations, Preferred® Low Pressure CO2 System (Ansul 428659)	92.88	12.62
21 22 16 00-0393		**Industrial Fire Control System** *(21 22 16 00-0026)*		
21 22 16 00-0394		**Alarm Devices, Industrial Fire Control System** *(21 22 16 00-0393)*		
21 22 16 00-0395	EA	Explosion Proof Alarm Horn, Alarm Devices, Industrial Fire Control System (Ansul 65947)	3,007.01	447.86
21 22 16 00-0396	EA	6", 115 Volt AC Alarm Bell For Release Systems, Alarm Devices, Industrial Fire Control System (Ansul 24751)	91.83	10.29
21 22 16 00-0397	EA	24 Volt AC, Multitone Horn, Alarm Devices, Industrial Fire Control System (Ansul 429697)	90.83	13.36
21 22 16 00-0398	EA	Weatherproof Surface Back Box For Horn And Strobe, Alarm Devices, Industrial Fire Control System (Ansul 429700)	54.11	8.01

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0399	EA	Semi-Flush Plate, Alarm Devices, Industrial Fire Control System (Ansul 429701)	22.11	3.25
21 22 16 00-0400		**Manual Pull Stations, Industrial Fire Control System** *(21 22 16 00-0393)*		
21 22 16 00-0401	EA	SPST, Dual Action Pull Station, Industrial Fire Control System (Ansul 428655)	102.61	14.08
21 22 16 00-0402	EA	DPST, Dual Action Pull Station, Industrial Fire Control System (Ansul 428656)	144.67	19.90
21 22 16 00-0403	EA	Explosion Proof, DPDT, Dual Action Pull Station, Industrial Fire Control System (Ansul 428657)	1,129.53	156.32
21 22 16 00-0404	EA	Surface Mounted Back Box For Manual Pull Stations, Industrial Fire Control System (Ansul 428660)	32.84	4.51
21 22 16 00-0405	EA	Extra Pull Station Labels For Manual Pull Stations, Industrial Fire Control System (Ansul 428654)	14.72	2.01
21 22 16 00-0406		**Marine Fire Control System** *(21 22 16 00-0026)*		
21 22 16 00-0407		**Alarm Devices, Marine Fire Control System** *(21 22 16 00-0406)*		
21 22 16 00-0408	EA	Weatherproof Surface Mount Back Box For Alarm Accessories, Alarm Devices, Marine Fire Control System (Ansul 24747)	59.51	8.16
21 22 16 00-0409	EA	6", 24 Volt DC, Alarm Bell, Alarm Devices, Marine Fire Control System (Ansul 417805)	109.70	15.77
21 22 16 00-0410	EA	10", 24 Volt DC, Alarm Bell, Alarm Devices, Marine Fire Control System (Ansul 417806)	109.70	15.77

21 23 Wet-Chemical Fire-Extinguishing Systems *(21 20)*

21 23 16 Wet-Chemical Fire-Extinguishing Equipment *(21 23)*

21 23 16 00-0001		**Kidde Fire Systems** *(21 23 16)* Note: Kidde or equal.		
21 23 16 00-0002		**Cylinders And Hardware** *(21 23 16 00-0001)*		
21 23 16 00-0003	EA	125 Cylinder And Valve Assembly With 1.25 Gallon of Wet Agent	1,103.75	97.01
21 23 16 00-0004	EA	260 Cylinder And Valve Assembly With 2.6 Gallon Of Wet Agent	1,264.31	120.83
21 23 16 00-0005	EA	400S And M Cylinder And Valve Assembly With 4 Gallon Of Wet Agent	1,548.80	149.08
21 23 16 00-0006	EA	600 And L Cylinder And Valve Assembly With 6 Gallon Of Wet Agent	1,828.58	176.88
21 23 16 00-0007	EA	Discharge Adapter Kit (One Required Per Cylinder)	62.02	5.07
21 23 16 00-0008	EA	System Valve Actuator	221.95	20.16
21 23 16 00-0009	EA	Vent Plug	41.52	4.10
21 23 16 00-0010	EA	Gauge Shield	96.25	10.78
21 23 16 00-0011	EA	125 Cylinder Wall Mounting Bracket	114.23	10.78
21 23 16 00-0012	EA	260 Cylinder Wall Mounting Bracket	121.08	11.42
21 23 16 00-0013	EA	400S And M Cylinder Wall Mounting Bracket	230.23	21.56
21 23 16 00-0014	EA	600 And 400M Cylinder Shelf Bracket	224.94	24.47
21 23 16 00-0015	EA	600 And 400M Cylinder Floor Mounting Kit	285.91	24.52
21 23 16 00-0016	EA	125 And 260 Cylinder Replacement Bracket Strap	38.52	
21 23 16 00-0017	EA	400 And 600 Cylinder Replacement Bracket Strap	40.65	
21 23 16 00-0018		**Nozzles And Accessories** *(21 23 16 00-0001)*		
21 23 16 00-0019	EA	ADP, F, GRW Or R Nozzle	102.36	9.91
21 23 16 00-0020	EA	LPF Or DM Nozzle	111.62	9.91
21 23 16 00-0021	EA	LPR Nozzle	130.71	9.91
21 23 16 00-0022	EA	3/8" Swivel Adapter For Nozzles	76.97	7.01
21 23 16 00-0023	EA	Removal And Replacement Of Nozzle Seals	12.11	
21 23 16 00-0024	EA	Chrome Nozzle Disc Cap	7.47	0.64
21 23 16 00-0025	EA	LPR Nozzle Disc Cap	36.79	9.86
21 23 16 00-0026		**Control Systems** *(21 23 16 00-0001)*		
21 23 16 00-0027	EA	XV Control System Note: Includes (1) SVA, (1) system cartridge, (1) test cartridge, (1) EMT connector kit, (1) SPDT microswitch kit, and (1) SPDT microswitch kit.	1,219.77	64.68
21 23 16 00-0028	EA	7-1/2" High Pressure Hose (Required for cylinder mounted XV Control System)	102.65	10.78
21 23 16 00-0029	EA	24" High Pressure Hose	121.85	10.78
21 23 16 00-0030	EA	60" High Pressure Hose	164.53	10.78
21 23 16 00-0031	EA	XV Solenoid Kit (Electric Actuator), 24 Volt DC	237.29	21.56
21 23 16 00-0032	EA	XV Microswitch Kit, SPDT	77.89	10.13
21 23 16 00-0033	EA	XV Microswitch Kit, SPDT, Terminal Type, For Alarm/Release	84.29	10.13
21 23 16 00-0034	EA	EMT Connector Kit (EMT Connector And O-Ring)	33.24	8.09
21 23 16 00-0035	EA	KRS-50 Control Box Assembly Note: Includes (1) SVA, (2) CO2 cartridges, (2) set screws, (1) grommet, (1) cover label, and (1) exhaust fan caution label.	685.29	41.77
21 23 16 00-0036	EA	SPDT Microswitch For KRS-50	107.33	10.13
21 23 16 00-0037	EA	DPDT Microswitch For KRS-50	194.49	17.57
21 23 16 00-0038	EA	SPDT Pressure Switch (Fire Department Tie-In)	596.23	56.38
21 23 16 00-0039		**Mechanical Actuation Components** *(21 23 16 00-0001)*		
21 23 16 00-0040	EA	Universal Detector Link Housing Kit, Mechanical Actuation Systems Note: Includes (1) bracket (11-3/4"), (2) "S" hook, and (2) cable crimp sleeves.	63.83	16.17
21 23 16 00-0041	EA	XV Low Profile Link Detector Housing Kit Note: Includes (1) bracket, (2) 1/2" EMT connectors, (4) cable crimp sleeves, and (1) S hook.	87.81	16.17
21 23 16 00-0042	EA	XV Or KRS-50 Remote Manual Release, Combination Pull-To-Trip/Release-To-Trip	243.49	10.78
21 23 16 00-0043	EA	XV Remote Manual Release, Pull-To-Trip	185.87	10.78
21 23 16 00-0044	EA	Corner Pulley, Mechanical Actuation Systems	29.90	2.91

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0045	EA	Double Tee Pulley, Mechanical Actuation Systems	422.72	17.79
21 23 16 00-0046	EA	In-Line Tee Pulley, Mechanical Actuation Systems	50.17	4.74
21 23 16 00-0047	EA	Corner Pulley / Quik-Seal Adapter Combination	98.27	5.39
21 23 16 00-0048	LF	1/16" Cable, Mechanical Actuation Systems	2.73	1.08
21 23 16 00-0049	EA	Cable Clamp	13.88	0.54
21 23 16 00-0050	EA	Cable Crimp Sleeve, Mechanical Actuation Systems	1.86	0.43
21 23 16 00-0051	EA	"S" Hook, Mechanical Actuation Systems	1.79	0.43
21 23 16 00-0052	EA	1/2" EMT x 3/8" NPT Adapter, Mechanical Actuation Systems	107.08	10.02
21 23 16 00-0053		**Mechanical Detection Links** *(21 23 16 00-0001)*		
21 23 16 00-0054	EA	KGS Standard Response Link	21.53	5.39
21 23 16 00-0055	EA	KGS Rapid Response Link	32.27	5.39
21 23 16 00-0056	EA	KFA Type "A" Fusible Link	27.45	5.39
21 23 16 00-0057	EA	KML Type "ML" Fusible Link	25.72	5.39
21 23 16 00-0058	EA	500 Degree, KML Type "ML" Fusible Link	38.52	5.39
21 23 16 00-0059		**Gas Valves** *(21 23 16 00-0001)*		
21 23 16 00-0060	EA	3/4" NPT Mechanical Cable Operated Gas Shut-off Valve	493.04	23.28
21 23 16 00-0061	EA	1" NPT Mechanical Cable Operated Gas Shut-off Valve	535.37	28.67
21 23 16 00-0062	EA	1-1/4" NPT Mechanical Cable Operated Gas Shut-off Valve	613.51	36.22
21 23 16 00-0063	EA	1-1/2" NPT Mechanical Cable Operated Gas Shut-off Valve	672.50	41.71
21 23 16 00-0064	EA	2" NPT Mechanical Cable Operated Gas Shut-off Valve	724.70	49.26
21 23 16 00-0065	EA	2-1/2" NPT Mechanical Cable Operated Gas Shut-off Valve	1,205.55	72.00
21 23 16 00-0066	EA	3" NPT Mechanical Cable Operated Gas Shut-off Valve	1,345.01	83.32
21 23 16 00-0067	EA	Pneumatic Release (Single Unit)	560.14	26.30
21 23 16 00-0068	EA	Removal And Replacement Of Cable Block And Set Screw Assembly For Gas Valve	63.12	
21 23 16 00-0069	EA	1/2" Electric Solenoid Gas Shut-off Valve	515.73	21.67
21 23 16 00-0070	EA	3/4" Electric Solenoid Gas Shut-off Valve	518.98	23.28
21 23 16 00-0071	EA	1" Electric Solenoid Gas Shut-off Valve	804.01	28.67
21 23 16 00-0072	EA	1-1/4" Electric Solenoid Gas Shut-off Valve	848.80	36.22
21 23 16 00-0073	EA	1-1/2" Electric Solenoid Gas Shut-off Valve	974.49	41.71
21 23 16 00-0074	EA	2" Electric Solenoid Gas Shut-off Valve	1,254.57	49.26
21 23 16 00-0075	EA	2-1/2" Electric Solenoid Gas Shut-off Valve	2,078.17	72.00
21 23 16 00-0076	EA	3" Electric Solenoid Gas Shut-off Valve	2,614.11	83.32
21 23 16 00-0077	EA	Manual Reset Relay	670.60	108.33
21 23 16 00-0078		**Liquid Tight Sealing Adapters** *(21 23 16 00-0001)*		
21 23 16 00-0079	EA	3/8" Tubing, Compression Seal Adapter	55.36	4.52
21 23 16 00-0080	EA	1/2" Tubing, 1/4" Pipe, Compression Seal Adapter	54.30	4.96
21 23 16 00-0081	EA	5/8" Tubing, 3/8" Pipe, Compression Seal Adapter	63.71	5.93
21 23 16 00-0082	EA	3/4" Tubing, 1/2" Pipe, Compression Seal Adapter	73.77	6.36
21 23 16 00-0083	EA	1/2" Electrical Metallic Tubing (EMT), Compression Seal Adapter	63.71	5.93
21 23 16 00-0084	EA	3/8" NPT Female, Quik-Seal Adapter	54.30	4.96
21 23 16 00-0085	EA	1/2" NPT Female, Quik-Seal Adapter	54.30	4.96
21 23 16 00-0086	EA	3/4" NPT Female, Quik-Seal Adapter	89.04	8.41
21 23 16 00-0087	EA	1" NPT Female, Quik-Seal Adapter	118.57	11.10
21 23 16 00-0088	EA	Quik-Patch For Hole Patching Up To 1-1/8" Diameter	54.30	
21 23 16 00-0089		**Pressure Operated Releasing Systems** *(21 23 16 00-0001)*		
21 23 16 00-0090	EA	KRS-100 Nitrogen Cylinder	396.70	32.56
21 23 16 00-0091	EA	KRS-100 Actuator Assembly	353.54	33.20
21 23 16 00-0092	EA	KRS-100 Mounting Bracket	286.78	8.19
21 23 16 00-0093	EA	KRS-700S Nitrogen Cylinder	1,015.88	93.89
21 23 16 00-0094	EA	KRS-700 Mounting Bracket	216.19	20.05
21 23 16 00-0095	EA	KRS-700S Discharge Adapter Kit	332.73	20.05
21 23 16 00-0096	EA	Check Valve, Pressure Operated Releasing Systems	332.26	14.23
21 23 16 00-0097	EA	Vent Check, Pressure Operated Releasing Systems	99.72	9.06
21 23 16 00-0098	EA	Removal And Replacement Of Receiver Gasket For KRS-100 Actuator Assembly	13.23	
21 23 16 00-0099	EA	3 Pole, Double Throw Pressure Switch	814.17	75.46
21 23 16 00-0100		**Pyro-Chem Kitchen Fire Suppression Systems** *(21 23 16)*		
21 23 16 00-0101		**Cylinders, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0102	EA	3.0 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551194)	987.71	76.53
21 23 16 00-0103	EA	4.6 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551193)	1,422.71	110.27
21 23 16 00-0104	EA	6.0 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551196)	1,866.09	150.80
21 23 16 00-0105	EA	Cylinder Mounting Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550053)	201.57	18.00
21 23 16 00-0106	EA	Enclosure With Mechanical Control Unit, Kitchen Fire Suppression Systems (Pyro-Chem 551208)	1,327.33	117.71
21 23 16 00-0107	EA	Enclosure For Secondary Cylinders, Kitchen Fire Suppression Systems (Pyro-Chem 550966)	810.42	71.79
21 23 16 00-0108		**Fusible Links, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0109	EA	165 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551522)	26.17	2.37
21 23 16 00-0110	EA	212 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551523)	26.17	2.37
21 23 16 00-0111	EA	280 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551524)	26.82	2.37

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0112	EA	360 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551525)	26.17	2.37
21 23 16 00-0113	EA	450 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551526)	26.17	2.37
21 23 16 00-0114	EA	500 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551527)	28.53	2.37
21 23 16 00-0115	EA	Fusible Link Kit With 10" Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550131)	45.33	3.99
21 23 16 00-0116	EA	Fusible Link Kit With 8" Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550132)	58.82	5.28
21 23 16 00-0117	EA	Fusible Link Hanger, Kitchen Fire Suppression Systems (Pyro-Chem 550876)	64.57	27.27
21 23 16 00-0118	EA	225 To 600 Fahrenheit, Electrical Thermal Detector, Kitchen Fire Suppression Systems (Pyro-Chem 13970-6)	562.38	60.69
21 23 16 00-0119		**Gas Valves, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0120	EA	3/4" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550593)	479.62	23.28
21 23 16 00-0121	EA	1" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550594)	545.52	28.67
21 23 16 00-0122	EA	1-1/4" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550595)	586.92	36.22
21 23 16 00-0123	EA	1-1/2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550596)	644.98	41.61
21 23 16 00-0124	EA	2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 551049)	741.47	49.16
21 23 16 00-0125	EA	2-1/2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550185)	1,742.37	71.90
21 23 16 00-0126	EA	3" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550186)	1,856.92	83.21
21 23 16 00-0127	EA	3/4" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550358)	374.59	23.28
21 23 16 00-0128	EA	1" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550359)	642.66	28.67
21 23 16 00-0129	EA	1-1/4" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550360)	668.29	36.22
21 23 16 00-0130	EA	1-1/2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550361)	760.47	41.61
21 23 16 00-0131	EA	2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550362)	1,056.49	49.16
21 23 16 00-0132	EA	2-1/2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550363)	2,052.11	71.90
21 23 16 00-0133	EA	3" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 17643)	2,161.45	83.21
21 23 16 00-0134		**Nozzles, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0135	EA	Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem)	93.94	7.98
21 23 16 00-0136	EA	Swivel Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem)	133.86	10.13
21 23 16 00-0137	EA	Stainless Steel Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem)	527.51	10.13
21 23 16 00-0138		**Actuating Cylinders/Cartridges, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0139	EA	Carbon Dioxide Actuation Cartridge, Kitchen Fire Suppression Systems (Pyro-Chem 551059)	34.63	3.12
21 23 16 00-0140	EA	PAC-10, Pneumatic Actuating Cylinder, Kitchen Fire Suppression Systems (Pyro-Chem 550104)	1,134.40	101.21
21 23 16 00-0141	EA	PAC-200, Pneumatic Actuating Cylinder, Kitchen Fire Suppression Systems (Pyro-Chem 550690)	1,445.39	129.46
21 23 16 00-0142		**Circuit Monitors, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0143	EA	24 Volt DC, System Circuit Monitor/Gas Valve Reset Relay, Kitchen Fire Suppression Systems (Pyro-Chem 550303)	741.54	66.29
21 23 16 00-0144	EA	120 Volt AC, System Circuit Monitor/Gas Valve Reset Relay, Kitchen Fire Suppression Systems (Pyro-Chem 550302)	894.77	79.87
21 23 16 00-0145		**Control Heads, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0146	EA	Mechanical Control Head, No Local Action, Kitchen Fire Suppression Systems (Pyro-Chem 551203)	818.15	73.08
21 23 16 00-0147	EA	Mechanical Control Head With Local Action, Kitchen Fire Suppression Systems (Pyro-Chem 551200)	853.83	76.42
21 23 16 00-0148	EA	24 Volt DC, Electrical Control Head With Local Actuation, Kitchen Fire Suppression Systems (Pyro-Chem 551201)	1,112.28	99.38
21 23 16 00-0149	EA	120 Volt AC Electrical Control Head With Local Actuation, Kitchen Fire Suppression Systems (Pyro-Chem 551202)	1,275.88	114.26
21 23 16 00-0150	EA	Control Head Mounting Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550853)	103.62	9.27
21 23 16 00-0151		**Corner Pulleys/Tees, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0152	EA	Set Screw Type, Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 415670)	26.19	1.51
21 23 16 00-0153	EA	Compression Type, Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 423250)	26.88	1.94
21 23 16 00-0154	EA	Tee Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 550166)	83.11	7.43
21 23 16 00-0155	EA	Removal And Replacement Of Screw For Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 550272)	1.02	
21 23 16 00-0156		**Switches, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0157	EA	SPDT Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550227)	90.38	8.09
21 23 16 00-0158	EA	DPDT Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550237)	181.04	16.06
21 23 16 00-0159	EA	Four Pole Double Throw Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550978)	383.14	34.07
21 23 16 00-0160		**Wire Rope/Accessories, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0161	LF	1/16" Diameter Stainless Steel Wire Rope, Kitchen Fire Suppression Systems (Pyro-Chem 15821)	1.82	0.32
21 23 16 00-0162	EA	Crimps For 1/16" Diameter Stainless Steel Wire Rope, Kitchen Fire Suppression Systems (Pyro-Chem 550122)	1.02	0.32
21 23 16 00-0163	EA	High Temperature Stainless Steel Crimps, Kitchen Fire Suppression Systems (Pyro-Chem 551551)	4.50	0.43
21 23 16 00-0164	EA	"S" Hooks, Kitchen Fire Suppression Systems (Pyro-Chem 550121)	0.73	
21 23 16 00-0165		**Replacement Parts, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0166	EA	Wet Valve Rebuilding Kit, Kitchen Fire Suppression Systems (Pyro-Chem 550698)	85.84	7.76
21 23 16 00-0167	EA	Wet Valve Cap With Schrader Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550831)	89.63	8.09
21 23 16 00-0168	EA	Wet Spring, Kitchen Fire Suppression Systems (Pyro-Chem 550705)	10.50	0.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0169	EA	225 psi, Wet Gauge, Kitchen Fire Suppression Systems (Pyro-Chem 551236)	123.45	10.57
21 23 16 00-0170	EA	Wet Valve O-ring, Kitchen Fire Suppression Systems (Pyro-Chem 550716)	17.27	1.51
21 23 16 00-0171	EA	Wet Piston, Kitchen Fire Suppression Systems (Pyro-Chem 550707)	24.03	2.16
21 23 16 00-0172	EA	Wet Piston O-Ring, Kitchen Fire Suppression Systems (Pyro-Chem 550715)	10.50	0.97
21 23 16 00-0173	EA	Wet Nozzle Cap, Kitchen Fire Suppression Systems (Pyro-Chem 551528)	14.79	1.29
21 23 16 00-0174	EA	Wet Nozzle Strainer, Kitchen Fire Suppression Systems (Pyro-Chem 551529)	14.46	1.29
21 23 16 00-0175	EA	Wet Nozzle Cap O-Ring, Kitchen Fire Suppression Systems (Pyro-Chem 551530)	4.14	0.32
21 23 16 00-0176	EA	Removal And Replacement Of Teflon Washer For Control Head Actuator, Kitchen Fire Suppression Systems (Pyro-Chem 550257)	7.01	
21 23 16 00-0177	EA	O-Ring Lubrication, Kitchen Fire Suppression Systems (Pyro-Chem 550063)	133.87	
21 23 16 00-0178	EA	3.0 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 551024)	916.26	
21 23 16 00-0179	EA	4.6 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 550902)	1,187.40	
21 23 16 00-0180	EA	6.0 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 550901)	1,370.32	
21 23 16 00-0181		**Accessories, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0182	EA	3/8" Quickseal Adapter, Kitchen Fire Suppression Systems (Pyro-Chem 550857)	42.07	3.67
21 23 16 00-0183	EA	1/2" Quickseal Adapter, Kitchen Fire Suppression Systems (Pyro-Chem 550859)	43.57	3.88
21 23 16 00-0184	EA	Wet Valve Tool, Kitchen Fire Suppression Systems (Pyro-Chem 550788)	83.91	7.43
21 23 16 00-0185	EA	Recharge Adapter Kit, Kitchen Fire Suppression Systems (Pyro-Chem 551240)	118.71	
21 23 16 00-0186	EA	3.0 Gallon Of Wet Chemical For Recharge, Kitchen Fire Suppression Systems (Pyro-Chem 551188)	255.19	
21 23 16 00-0187		**Pull Stations/Accessories, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0188	EA	Mechanical, Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 551074)	169.45	15.20
21 23 16 00-0189	EA	Electric, Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 551166)	179.24	21.34
21 23 16 00-0190	EA	Trim Ring For Flush Mounting Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 550088)	45.33	3.99
21 23 16 00-0191	EA	Glass Rods For Pull Stations, Kitchen Fire Suppression Systems (Pyro-Chem 428661)	5.76	1.40
21 23 16 00-0192		**Asco Gas Valve Control Panels** *(21 23 16)*		
21 23 16 00-0193	EA	Relay Control Panel For AC Solenoid Valves (Asco 108D90C)	2,585.18	237.14
21 23 16 00-0194	EA	Relay Control Panel For DC Solenoid Valves (Asco 108D10C)	2,672.82	237.14
21 23 16 00-0195	EA	Master Control Station For Relay Control Panel For DC Solenoid Valves (Asco 216C89)	874.37	53.90
21 23 16 00-0196	EA	Emergency Stop Station For Relay Control Panel (Asco 173A19)	817.12	53.90

21 24 Dry-Chemical Fire-Extinguishing Systems *(21 20)*

21 24 16 Dry-Chemical Fire-Extinguishing Equipment *(21 24)*

21 24 16 00-0001		**Amerex KP Restaurant Fire Suppression Systems** *(21 24 16)*		
		Note: Amerex or equal.		
21 24 16 00-0002	EA	3.75 Gallon, Charged, Agent Cylinder Assembly With Discharge Valve	680.40	83.65
21 24 16 00-0003	EA	6 Gallon, Charged, Agent Cylinder Assembly With Discharge Valve	951.92	105.46
21 24 16 00-0004	EA	Recharge - KP Liquid Agent (3.75 Gallon)	226.08	
21 24 16 00-0005	EA	Recharge - KP Liquid Agent (6 Gallon)	397.43	
21 24 16 00-0006	EA	3.75 Gallon, Bracket Assembly Agent Cylinder With Distribution Hose Assembly And Distribution Outlet	158.25	17.56
21 24 16 00-0007	EA	6 Gallon, Bracket Assembly Agent Cylinder	92.19	10.18
21 24 16 00-0008	EA	6 Gallon, 3/4 NPT, Agent Cylinder Discharge Adapter Kit	39.99	
21 24 16 00-0009	EA	6 Gallon, Pneumatic Actuator, Agent Cylinder	158.25	17.56
21 24 16 00-0010	EA	MRM Actuator (Less N2 Cylinder And Enclosure)	397.43	44.02
21 24 16 00-0011	EA	Painted Steel, MRM Enclosure	211.80	23.41
21 24 16 00-0012	EA	Stainless Steel, MRM Enclosure	259.97	23.41
21 24 16 00-0013	EA	Stainless Steel, Single Cylinder System Cabinet	630.66	69.88
21 24 16 00-0014	EA	N2 - 1/4" x 16" Actuation Hose	47.59	5.27
21 24 16 00-0015	EA	10 CU. Inch, Nitrogen Cylinder	211.80	23.41
		Note: Use For 1-10 Agent Cylinders		
21 24 16 00-0016	EA	Vent Check	38.08	4.22
21 24 16 00-0017	EA	Detector	28.55	3.16
		Note: Includes bracket, linkage and conduit fittings.		
21 24 16 00-0018	EA	280 To 450 Degree F, Fusible Link	10.72	1.17
21 24 16 00-0019	EA	Test Link	3.21	
21 24 16 00-0020	EA	Corner Pulley	14.76	1.64
21 24 16 00-0021	EA	1/16", 500 Foot Spool, Cable	237.97	26.34
21 24 16 00-0022	EA	Pulley Tee	107.08	11.82
21 24 16 00-0023	EA	Manual Pull Station (Standard)	95.19	10.53
21 24 16 00-0024	EA	Manual Pull Station, Adapter Kit (Recess Standard Pull Station)	44.65	4.91
21 24 16 00-0025	EA	Manual Pull Station (Oversized)	106.13	11.71
21 24 16 00-0026	EA	Conduit Offset	21.18	2.35
21 24 16 00-0027	EA	3/8" Pipe Thread, Seal (Quick-Seal)	29.18	3.28
21 24 16 00-0028	EA	1/2" Pipe Thread, Seal (Quick-Seal	23.80	2.69
21 24 16 00-0029	EA	3/8" Pipe Compression Seal	39.74	4.45
21 24 16 00-0030	EA	1/2" Pipe Compression Seal	39.74	4.45
21 24 16 00-0031	EA	Cap, Nozzle Blow-Off (Standard)	10.69	3.04
21 24 16 00-0032	EA	Cap, Nozzle Blow-Off (High Temperature)	26.44	3.04
21 24 16 00-0033	EA	2 Flow Points, Fryer/Griddle Nozzle	47.59	5.27
21 24 16 00-0034	EA	1 Flow Point Each, Appliance, Plenum Nozzle	47.59	5.27
21 24 16 00-0035	EA	Nozzle - Solid Fuel Charbroiler - 1 To 1-1/2 Flow Points Each	47.59	5.27
21 24 16 00-0036	EA	1/2 Flow Points Each, Upright Charbroiler Nozzle	47.59	5.27
21 24 16 00-0037	EA	2 Flow Points Each, Duct (Only) Nozzle	47.59	5.27

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 24 16 00-0038	EA	2 Flow Points Each, Four Burner Range Nozzle	68.44	7.61
21 24 16 00-0039	EA	3/4" Or 1" Mechanical Gas Valve	382.56	31.02
21 24 16 00-0040	EA	1-1/4" Or 1-1/2" Mechanical Gas Valve	447.71	45.06
21 24 16 00-0041	EA	2" Mechanical Gas Valve	558.58	53.26
21 24 16 00-0042	EA	Manual Reset Relay (Required With Every Electric Gas Valve)	599.69	66.37
21 24 16 00-0043	EA	SPDT Microswitch With 18" Leads	31.56	3.51
21 24 16 00-0044	EA	Kit Gas Valve Actuator For Use With ASCO Mechanical Gas Valve	50.93	5.62
21 24 16 00-0045	EA	Gas Valve Trip Assembly	107.09	11.82
21 24 16 00-0046		**Range Guard Fire Suppression Systems** *(21 24 16)*		
		Note: Range Guard or equal.		
21 24 16 00-0047	EA	1-1/4 Gallon Charged Cylinder With Valve	721.81	90.43
21 24 16 00-0048	EA	2-1/2 Gallon Charged Cylinder With Valve	901.02	112.86
21 24 16 00-0049	EA	4 Gallon Charged Cylinder With Valve	1,112.37	139.37
21 24 16 00-0050	EA	6 Gallon Charged Cylinder With Valve	1,321.25	165.46
21 24 16 00-0051	EA	Vent Plug	30.32	3.78
21 24 16 00-0052	EA	Discharge Adapter Kit	39.05	
21 24 16 00-0053	EA	1-1/4 Gallon Wall Bracket	80.34	10.02
21 24 16 00-0054	EA	2-1/2 Gallon Wall Bracket	85.03	10.67
21 24 16 00-0055	EA	4 Gallon Wall Bracket	160.58	20.16
21 24 16 00-0056	EA	6 Gallon Wall Bracket	177.97	22.31
21 24 16 00-0057	EA	Mechanical Control Head, No Microswitch	627.88	78.69
21 24 16 00-0058	EA	Mechanical Control Head, 1 Microswitch	655.07	82.02
21 24 16 00-0059	EA	Mechanical Control Head, 2 Microswitches	751.46	94.10
21 24 16 00-0060	EA	Tandem Control Head	571.02	71.57
21 24 16 00-0061	EA	Electric Control Head, 120 Volt AC / 24 Volt DC	966.52	121.05
21 24 16 00-0062	EA	Mechanical Control Box	430.11	53.90
21 24 16 00-0063	EA	Tandem Control Box	430.11	53.90
21 24 16 00-0064	EA	Mechanical Control Box Adapter	126.07	15.84
21 24 16 00-0065	EA	A+ Control head With 1 Pressure Operated Actuator	378.86	47.42
21 24 16 00-0066	EA	Pressure Operated Actuator	155.73	19.51
21 24 16 00-0067	EA	BMCS-1 Nitrogen Cylinder	252.14	31.58
21 24 16 00-0068	EA	BMCS-1 Actuator Assembly	257.08	32.23
21 24 16 00-0069	EA	BMCS-1 Mounting Bracket	63.03	7.87
21 24 16 00-0070	EA	BMCS-7 Nitrogen Cylinder	727.53	91.08
21 24 16 00-0071	EA	BMCS-7 Mounting Bracket	155.73	19.51
21 24 16 00-0072	EA	BMCS-7 Discharge Adapter Kit	155.73	19.51
21 24 16 00-0073	EA	Check Valve	128.68	23.18
21 24 16 00-0074	EA	Vent Check For Use With BMCS Systems	70.45	8.83
21 24 16 00-0075	EA	Check Valve, (Schrader Flare Fitting) For Pressure Operated Actuator	30.65	3.84
21 24 16 00-0076	EA	Removal And Replacement Of Receiver Gasket For BMCS-Actuator Assembly	8.06	
21 24 16 00-0077	EA	Pneumatic Control Head For Slave Cylinders	160.68	20.16
21 24 16 00-0078	EA	Nozzles; ADP, F, R And GRW	73.66	9.27
21 24 16 00-0079	EA	Nozzles; DM And LPF	82.07	10.24
21 24 16 00-0080	EA	Swivel Adapter	51.91	6.47
21 24 16 00-0081	EA	Corner Pulley	22.24	2.80
21 24 16 00-0082	LF	1/16" Stainless Steel Cable	0.95	0.32
21 24 16 00-0083	EA	Cable Crimp Sleeve	1.15	0.32
21 24 16 00-0084	EA	"S" Hook	0.92	0.21
21 24 16 00-0085	EA	Electrical Metallic Tubing (EMT) Adapter, 1/2" Electrical Metallic Tubing (EMT) x 3/8" NPT	76.60	9.59
21 24 16 00-0086	EA	Cable Clamp	6.82	0.87
21 24 16 00-0087	EA	Nico Sleeves - 1/16" Cable	0.92	0.21
21 24 16 00-0088	EA	3/8" Cable Anchor	80.96	10.13
21 24 16 00-0089	EA	1/2" Cable Anchor	80.96	10.13
21 24 16 00-0090	EA	Mechanical Remote Manual Release (Pull Cable)	130.95	16.39
21 24 16 00-0091	EA	Tee Pulley, Use For Mechanical Pull And Gas Valve	139.75	17.47
21 24 16 00-0092	EA	Surface Remote Manual Release, End-of-line	163.72	20.48
21 24 16 00-0093	EA	Surface Remote Manual Release, In line Conservation Kit	51.29	6.47
21 24 16 00-0094	EA	Surface Remote Manual Release, In line And End Of Line	214.95	26.84
21 24 16 00-0095	EA	Recessed Remote Manual Release, End-of-line	163.72	20.48
21 24 16 00-0096	EA	Recessed Remote Manual Release, In Line Kit	195.18	24.47
21 24 16 00-0097	EA	Pulley Tee, Remote In Line Only	35.08	4.42
21 24 16 00-0098	EA	Fusible Link Housing Kit With 1 - Bracket, 2 - 1/2" Electrical Metallic Tubing (EMT) Connector, 1 - "S" Hook, 8 - Cable Crimp Sleeve	38.94	4.86
21 24 16 00-0099	EA	Fusible Link 165F To 360F	12.75	1.62
21 24 16 00-0100	EA	Fusible Link 500F	20.44	1.62
21 24 16 00-0101	EA	Standard Detector With 1 - 360F link, 2 - "S" Hooks, 2 - Crimp Sleeves	38.94	4.86
21 24 16 00-0102	EA	Standard Detector Kit With 1 - Large Bracket, 2 - "S" Hooks, 2 - Cable Crimp Sleeve	28.29	4.86
21 24 16 00-0103	EA	Quartzoid Link 400 F	210.01	26.30
21 24 16 00-0104	EA	Quartzoid Link 500 F	210.01	26.30
21 24 16 00-0105	EA	SPDT Micro Switch For Use With A Plus Control Box	75.26	9.38
21 24 16 00-0106	EA	DPDT Micro Switch For Use With A Plus Control Box	130.95	16.39
21 24 16 00-0107	EA	SPDT Micro Switch For Use With A Mechanical Control Box	77.83	9.70
21 24 16 00-0108	EA	DPDT Micro Switch For Use With A Mechanical Control Box	134.88	16.92
21 24 16 00-0109	EA	SPDT Micro Switch For Use With PRCB	98.83	12.40
21 24 16 00-0110	EA	DPDT Micro Switch For Use With PRCB	142.56	17.79
21 24 16 00-0111	EA	Pressure Switch, SPDT (Fire Dept. Tie In)	417.57	52.28
21 24 16 00-0112	EA	Circuit Monitor 12 Or 24 Volt DC	187.78	23.50
21 24 16 00-0113	EA	Circuit Monitor 120 Volt AC	187.78	23.50
21 24 16 00-0114	EA	Electric Manual Pull Station	137.12	17.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 24 16 00-0115	EA	6", 24 Volt DC, Motor Bell	76.59	9.59
21 24 16 00-0116	EA	10", 115 Volt AC Motor Bell	108.72	13.58
21 24 16 00-0117	EA	Fuse, 1.2 For ECH	8.81	1.08
21 24 16 00-0118	EA	Indicator Lamp 12 Or 24 Volt DC	38.94	4.86
21 24 16 00-0119	EA	Indicator Lamp 120 Volt AC	38.94	4.86
21 24 16 00-0120	EA	B-10 Manual Station Dual Action, SPDT	143.31	17.89
21 24 16 00-0121	EA	B-11 Manual Station Dual Action, DPDT	158.13	19.83
21 24 16 00-0122	EA	Break Rods For B10/B11 Manual Pull Station	3.94	1.40
21 24 16 00-0123	EA	Spare Key For B10/B11 Manual Stations	19.77	2.48
21 24 16 00-0124	EA	MT-24-LSM-VAR Multitone Signal With 15/75cd Strobe, 24 Volt, Flush Grill	212.48	26.62
21 24 16 00-0125	EA	Suppression Abort Station	224.85	28.13
21 24 16 00-0126	EA	Suppression Abort Station With Surface Mount Back Box	261.90	32.77
21 24 16 00-0127	EA	Surface Mount Back Box	86.48	10.78
21 24 16 00-0128	EA	Single Hazard Control Unit, 120 Volt AC IP	1,605.99	200.81
21 24 16 00-0129	EA	Single Hazard Control Unit, 240 Volt AC IP	1,605.99	200.81
21 24 16 00-0130	EA	1 Lead Acid Battery; 24 Volt DC, 1.2 A.H.	133.42	16.71
21 24 16 00-0131	EA	Accessory Kit - End-of-line Resistors (10K Ohms, 1/2 W)	5.10	0.76
21 24 16 00-0132	EA	Spare Scorpio Circuit Board	1,161.18	
21 24 16 00-0133	EA	Extra Scorpio Key	19.77	
21 24 16 00-0134	EA	Extra Scorpio Manual	12.35	
21 24 16 00-0135	EA	Compression Seal Adapter 3/8" Pipe	33.60	4.20
21 24 16 00-0136	EA	Compression Seal Adapter 1/2" Tubing/ 1/4" Pipe	36.48	4.52
21 24 16 00-0137	EA	Compression Seal Adapter 5/8" Tubing/ 3/8" Pipe	43.89	5.50
21 24 16 00-0138	EA	Compression Seal Adapter 3/4" Tubing/ 1/2" Pipe	46.94	5.82
21 24 16 00-0139	EA	Quik Seal Adapter 3/8" NPT Female	36.48	4.52
21 24 16 00-0140	EA	Quik Seal Adapter 1/2" NPT Female	36.48	4.52
21 24 16 00-0141	EA	Quik Seal Adapter 3/4" NPT Female	62.41	7.87
21 24 16 00-0142	EA	Quik Seal Adapter 1" NPT Female	82.77	10.34
21 24 16 00-0143	EA	Quik Patch (Up To 1-1/8" Diameter)	36.48	4.52
21 24 16 00-0144	EA	1-1/4 Gallon Karbaloy Charge	81.19	
21 24 16 00-0145	EA	2-1/2 Gallon Karbaloy Charge	139.59	
21 24 16 00-0146	EA	4 Gallon Karbaloy Charge	210.99	
21 24 16 00-0147	EA	6 Gallon Karbaloy Charge	308.73	
21 24 16 00-0148	EA	Inlet Flushing Adapter	60.53	7.54
21 24 16 00-0149	EA	1/2" Flushing Adapter (Outlet)	60.53	7.54
21 24 16 00-0150	EA	1/8" Flushing Adapter (Outlet)	60.53	7.54
21 24 16 00-0151	EA	1/4" Flushing Adapter (Outlet)	60.53	7.54
21 24 16 00-0152	EA	3/8" Flushing Adapter (Outlet)	60.53	7.54
21 24 16 00-0153	EA	Recharge Adapter (Old Style Cylinder Valve Assembly Only)	84.00	
21 24 16 00-0154	EA	Instruction Label (In Case Of Fire) - MCB	6.66	
21 24 16 00-0155	EA	Caution Sign (Turn On Fan)	8.05	
21 24 16 00-0156	EA	Inspection Label (Authorized installers only)	5.55	
21 24 16 00-0157	EA	Label, Warning, A+ Control Box	3.88	
21 24 16 00-0158	EA	Wet Chemical System Kits, RG-1.25G Kit; #23315	1,062.36	132.90
21 24 16 00-0159	EA	Wet Chemical System Kits, RG-2.5G Kit; #23316	1,240.27	155.11
21 24 16 00-0160	EA	Wet Chemical System Kits, RG-4GS Kit; #23317	1,544.18	193.16
21 24 16 00-0161	EA	Wet Chemical System Kits, RG-4GT Kit; #23318	1,544.18	193.16
21 24 16 00-0162	EA	Wet Chemical System Kits, RG-6G Kit; #23319	1,941.94	242.85
21 24 16 00-0163	EA	Wet Chemical System Kits, RG Mechanical Control HD (MCH) Kit; #23320	920.32	115.12
21 24 16 00-0164	EA	Wet Chemical System Kits, RG Mechanical Control Box (MCB) Kit; #23321	864.72	108.11
21 24 16 00-0165	EA	Wet Chemical System Kits, A Plus Control Box Kit; #23322	699.19	87.42
21 24 16 00-0166	EA	Wet Chemical System Kits, Valve Rebuild Kit; #23210	1,210.60	151.45
21 24 16 00-0167	EA	Wet Chemical System Kits, BMCS-1 Package; #23208	1,109.30	138.72

21 30 Fire Pumps *(21)*

21 31 Centrifugal Fire Pumps *(21 30)*

21 31 13 Electric-Drive, Centrifugal Fire Pumps *(21 31)*

21 31 13 00-0001 Electric-Drive Fire Pumps *(21 31 13)*

Note: Includes fire pump and motor, motor starter, panel, and controller.

21 31 13 00-0002	EA	20 HP, 500 GPM, Electric-Drive Fire Pump	26,279.31	2,148.35
		For Duplex Pumping System, Add	*24,130.97*	
21 31 13 00-0003	EA	30 HP, 500 GPM, Electric-Drive Fire Pump	30,350.00	2,416.88
		For Duplex Pumping System, Add	*28,112.14*	
21 31 13 00-0004	EA	40 HP, 750 GPM, Electric-Drive Fire Pump	40,734.22	2,685.43
		For Duplex Pumping System, Add	*38,247.71*	
21 31 13 00-0005	EA	50 HP, 1,000 GPM, Electric-Drive Fire Pump	50,429.15	3,126.79
		For Duplex Pumping System, Add	*47,302.38*	
21 31 13 00-0006	EA	75 HP, 1,000 GPM, Electric-Drive Fire Pump	56,204.08	3,411.03
		For Duplex Pumping System, Add	*52,793.05*	

21 31 16 Diesel-Drive, Centrifugal Fire Pumps *(21 31)*

21 31 16 00-0001 Diesel-Drive Fire Pumps *(21 31 16)*

Note: Pumps shall be stand alone units meeting NFPA-20 specs. Includes fire pump and motor, motor starter, panel, and controller.

21 31 16 00-0002	EA	30 HP Diesel Driven Fire Pump, NFPA-20 Specific	78,989.20	2,558.28
21 31 16 00-0003	EA	40 HP Diesel Driven Fire Pump, NFPA-20 Specific	89,351.28	2,842.53

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 31 16 00-0004	EA	50 HP Diesel Driven Fire Pump, NFPA-20 Specific	93,890.67	3,126.79
21 31 16 00-0005	EA	75 HP Diesel Driven Fire Pump, NFPA-20 Specific	106,837.32	3,411.03
21 31 16 00-0006	EA	150 HP Diesel Driven Fire Pump, NFPA-20 Specific	113,420.79	3,979.54
21 31 16 00-0007	EA	175 HP Diesel Driven Fire Pump, NFPA-20 Specific	122,131.35	5,116.55
21 31 16 00-0008	EA	200 HP Diesel Driven Fire Pump, NFPA-20 Specific	132,576.71	5,685.06
21 31 16 00-0009	EA	250 HP Diesel Driven Fire Pump, NFPA-20 Specific	151,597.05	6,480.97
21 31 16 00-0010	EA	300 HP Diesel Driven Fire Pump, NFPA-20 Specific	181,535.68	6,992.62
21 31 16 00-0011	EA	350 HP Diesel Driven Fire Pump , NFPA-20 Specific	212,977.67	7,959.08
21 31 16 00-0012	EA	400 HP Diesel Driven Fire Pump , NFPA-20 Specific	252,734.68	8,527.58
21 31 16 00-0013	EA	500 HP Diesel Driven Fire Pump , NFPA-20 Specific	284,569.44	9,096.09

21 34 Fire Pump Accessories *(21 30)*

21 34 13 Pressure Maintenance Pumps *(21 34)*

21 34 13 00-0001 Jockey Pumps *(21 34 13)*

Note: Excludes controller

21 34 13 00-0002	EA	1-1/2 HP, 1-1/2" Pipe Connection, Jockey Pump	2,667.68	297.07
21 34 13 00-0003	EA	2 HP, 1-1/2" Pipe Connection, Jockey Pump	2,786.64	324.85
21 34 13 00-0004	EA	3 HP, 1-1/2" Pipe Connection, Jockey Pump	3,422.13	359.05
21 34 13 00-0005	EA	5 HP, 1-1/2" Pipe Connection, Jockey Pump	3,763.61	427.44
21 34 13 00-0006	EA	7.5 HP, 1-1/2" Pipe Connection, Jockey Pump	5,521.89	525.76

21 34 13 00-0007 Jockey Pump Controllers *(21 34 13)*

21 34 13 00-0008	EA	Up To 2 HP Jockey Pump Controller	708.73	85.49
21 34 13 00-0009	EA	>2 To 7.5 HP Jockey Pump Controller	1,082.73	85.49

END OF SECTION 21

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 Plumbing

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise.

22 01 Operation and Maintenance of Plumbing *(22)*

22 01 10 Operation and Maintenance of Plumbing Piping and Pumps *(22 01)*

See CSI section 23 01 20 00-0000 for purging of pipes and shutdown.

22 01 10 61 Plumbing Piping Repairs *(22 01 10)*

22 01 10 61-0001 Pipe Repair Clamps *(22 01 10 61)*

22 01 10 61-0002	EA	1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	46.01	
22 01 10 61-0003	EA	3/4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	47.79	
22 01 10 61-0004	EA	1" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	52.53	
22 01 10 61-0005	EA	1-1/4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	55.98	
22 01 10 61-0006	EA	1-1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	60.54	
22 01 10 61-0007	EA	2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	77.11	
22 01 10 61-0008	EA	2-1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	97.58	
22 01 10 61-0009	EA	3" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	112.98	
22 01 10 61-0010	EA	4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	129.40	
22 01 10 61-0011	EA	1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	73.00	
22 01 10 61-0012	EA	3/4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	76.84	
22 01 10 61-0013	EA	1" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	85.04	
22 01 10 61-0014	EA	1-1/4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	93.47	
22 01 10 61-0015	EA	1-1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	102.96	
22 01 10 61-0016	EA	2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	132.90	
22 01 10 61-0017	EA	2-1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	160.42	
22 01 10 61-0018	EA	3" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	182.11	
22 01 10 61-0019	EA	4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	206.30	
22 01 10 61-0020	EA	1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	104.07	
22 01 10 61-0021	EA	3/4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	108.11	
22 01 10 61-0022	EA	1" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	119.45	
22 01 10 61-0023	EA	1-1/4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	131.00	
22 01 10 61-0024	EA	1-1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	147.89	
22 01 10 61-0025	EA	2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	180.52	
22 01 10 61-0026	EA	2-1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	210.77	
22 01 10 61-0027	EA	3" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	253.65	
22 01 10 61-0028	EA	4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	312.99	
22 01 10 61-0029	EA	5" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	320.72	
22 01 10 61-0030	EA	6" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	343.88	

22 01 10 62 Plumbing Piping Relining *(22 01 10)*

22 01 10 62-0001 Relining Small Diameter Copper Pipelines Set-Up For Epoxy *(22 01 10 62)*

Note: Excludes drywall removal and repair, cuting into pipe and pipe repair See CSI section 22 11 16 00-0383 for copper pipe and fitting.

22 01 10 62-0002	EA	Initial Set Up And Final Equipment Removal For Relining 1/2" To 3" Copper Pipe With Epoxy	1,356.36	

22 01 10 62-0003 Small Diameter Epoxy Lining Of Copper Water Piping *(22 01 10 62)*

Note: Includes draining pipe of water, dry heated air through pipe, and cleaning of pipe interior prior to lining pipe.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 01 10 62-0004	LF	2mm Lining 1/2" Copper Pipe With Epoxy Lining	2.61	
		For Up To 25, Add	*4.32*	
		For >25 To 50, Add	*2.64*	
		For >50 To 100, Add	*1.32*	
		For >500, Deduct	*-0.21*	
22 01 10 62-0005	LF	2mm Lining 3/4" Copper Pipe With Epoxy Lining	3.46	
		For Up To 25, Add	*5.14*	
		For >25 To 50, Add	*3.16*	
		For >50 To 100, Add	*1.58*	
		For >500, Deduct	*-0.27*	
22 01 10 62-0006	LF	2mm Lining 1" Copper Pipe With Epoxy Lining	4.31	
		For Up To 25, Add	*5.96*	
		For >25 To 50, Add	*3.68*	
		For >50 To 100, Add	*1.84*	
		For >500, Deduct	*-0.32*	
22 01 10 62-0007	LF	2mm Lining 1-1/4" Copper Pipe With Epoxy Lining	6.05	
		For Up To 25, Add	*7.61*	
		For >25 To 50, Add	*4.73*	
		For >50 To 100, Add	*2.37*	
		For >500, Deduct	*-0.44*	
22 01 10 62-0008	LF	2mm Lining 1-1/2" Copper Pipe With Epoxy Lining	8.20	
		For Up To 25, Add	*9.68*	
		For >25 To 50, Add	*6.05*	
		For >50 To 100, Add	*3.02*	
		For >500, Deduct	*-0.58*	
22 01 10 62-0009	LF	4mm Lining 2" Copper Pipe With Epoxy Lining	13.16	
		For Up To 25, Add	*13.66*	
		For >25 To 50, Add	*8.63*	
		For >50 To 100, Add	*4.31*	
		For >500, Deduct	*-0.89*	
22 01 10 62-0010	LF	4mm Lining 2-1/2" Copper Pipe With Epoxy Lining	16.69	
		For Up To 25, Add	*17.29*	
		For >25 To 50, Add	*10.92*	
		For >50 To 100, Add	*5.46*	
		For >500, Deduct	*-1.13*	
22 01 10 62-0011	LF	4mm Lining 3" Copper Pipe With Epoxy Lining	20.36	
		For Up To 25, Add	*21.25*	
		For >25 To 50, Add	*13.41*	
		For >50 To 100, Add	*6.70*	
		For >500, Deduct	*-1.38*	

22 01 40 Operation and Maintenance of Plumbing Fixtures *(22 01)*

22 01 40 81 Plumbing Fixtures Replacement *(22 01 40)*

22 01 40 81-0001 Removal And Replacement Of Fixture And/or Trim *(22 01 40 81)*

Note: Includes removal of existing item(s) and installation of new item(s). See CSI section 22 42 00 00-0000 for faucet replacement installation and demolition prices.

22 01 40 81-0002	EA	Removal And Replacement Of 3/8" To 1/2" Compression Shut-off Valve With 15" Polybutylene Supply Tube	60.58
22 01 40 81-0003	EA	Removal And Replacement Of 3/8" Compression x 1/2" FIP, Braided Stainless Steel, Supply Lines To Sink/Lavatory	23.04
22 01 40 81-0004	EA	Removal And Replacement Of Chrome Supply Lines To Sink/Lavatory, Pair	29.41
22 01 40 81-0005	EA	Removal And Replacement Of Single Bowl Sink/Lavatory Drain Line	41.12
22 01 40 81-0006	EA	Removal And Replacement Of Double Bowl Sink/Lavatory Drain Line	63.87
22 01 40 81-0007	EA	Removal And Replacement Of Shower Head, Polished Chrome	41.27
22 01 40 81-0008	EA	Removal And Replacement Of Shower Arm	43.65
22 01 40 81-0009	EA	Removal And Replacement Of Shower Head	52.55
22 01 40 81-0010	EA	Removal And Replacement Of Shower Knob	40.37
22 01 40 81-0011	EA	Removal And Replacement Of Shower and Tub Control Trim Note: Excludes balancing valve.	119.50
22 01 40 81-0012	EA	Removal And Replacement Of Sink Basket Strainer	33.54
22 01 40 81-0013	EA	Removal And Replacement Of 1-1/2" Sink Drain Without Stopper	17.68
22 01 40 81-0014	EA	Removal And Replacement Of 4-1/2" Sink Drain Without Stopper	18.61
22 01 40 81-0015	EA	Removal And Replacement Of 1-1/2" Sink Drain With Stopper	17.68
22 01 40 81-0016	EA	Removal And Replacement Of 1" Sink Rubber Stopper	9.29
22 01 40 81-0017	EA	Removal And Replacement Of Sink Tailpiece Extension, 1-1/2" x 8"	27.29
22 01 40 81-0018	EA	Removal And Replacement Of Sink Trap, Adjustable, 1-1/2"	46.32
22 01 40 81-0019	EA	Removal And Replacement Of Lavatory Pop-Up Rod	34.00
22 01 40 81-0020	EA	Removal And Replacement Of Lavatory Pop-up Drain Stopper	33.31
22 01 40 81-0021	EA	Removal And Replacement Of Faucet Handle	37.91
22 01 40 81-0022	EA	Removal And Replacement Of Faucet O-Ring	27.76
22 01 40 81-0023	EA	Removal And Replacement Of 1-1/2" Faucet Hole Cover	21.07
22 01 40 81-0024	EA	Removal And Replacement Of Toilet Ballcock	38.72
22 01 40 81-0025	EA	Removal And Replacement Of Toilet Bowl Ring, Flat Wax Note: Excludes removal of toilet.	7.40
22 01 40 81-0026	EA	Removal And Replacement Of Toilet Tank	153.50
22 01 40 81-0027	EA	Removal And Replacement Of 10" Toilet Bowl	193.07
22 01 40 81-0028	EA	Removal And Replacement Of 10", Low-Flush Watersaver, Toilet Bowl	207.48
22 01 40 81-0029	EA	Removal And Replacement Of 12" Toilet Bowl	221.39
22 01 40 81-0030	EA	Removal And Replacement Of 18", Elongated, Toilet Bowl	197.92
22 01 40 81-0031	EA	Removal And Replacement Of Toilet Closet Bolt, 5/16" x 3" With Nuts And Washers	24.00
22 01 40 81-0032	EA	Removal And Replacement Of Toilet Flapper With Chain	17.76
22 01 40 81-0033	EA	Removal And Replacement Of Toilet Flush Tank Lever	19.14

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 01 40 81-0034	EA	Removal And Replacement Of Elongated Toilet Seat With Lid	100.83	
22 01 40 81-0035	EA	Removal And Replacement Of Elongated Toilet Seat Without Lid	111.90	
22 01 40 81-0036	EA	Removal And Replacement Of Handicap Toilet Seat, Complete With Rails	148.16	
22 01 40 81-0037	EA	Removal And Replacement Of Diverter Tub Spout	65.16	
22 01 40 81-0038	EA	Removal And Replacement Of Tub Spout	45.13	
22 01 40 81-0039	EA	Removal And Replacement Of 2" Tub Stopper	10.88	
22 01 40 81-0040	EA	Removal And Replacement Of Tub Waste/Overflow	74.93	
22 01 40 81-0041	EA	Removal And Replacement Of Tub Stem Bonnet Assembly	38.56	
22 01 40 81-0042	EA	Removal And Replacement Of Faucet Bonnet	42.49	
22 01 40 81-0043	EA	Removal And Replacement Of Faucet Diverter Stem	26.67	
22 01 40 81-0044	EA	Removal And Replacement Of Faucet Diverter Stem And Bonnet	35.38	
22 01 40 81-0045	EA	Removal And Replacement Of Faucet Spout	40.13	
22 01 40 81-0046	EA	Removal And Replacement Of Faucet Stem	29.52	
22 01 40 81-0047	EA	Removal And Replacement Of Plastic, Chrome Plated Drinking Fountain Bubbler Valve With Flexible Bubbler Guard	233.10	
22 01 40 81-0048	EA	Removal And Replacement Of Brass, Chrome Plated Drinking Fountain Bubbler Valve	294.46	
22 01 40 81-0049	EA	Removal And Replacement Of Stainless Steel (Lead Free) Drinking Fountain Pushbutton Bubbler Valve	176.68	

22 05 Common Work Results for Plumbing *(22)*

22 05 13 Common Motor Requirements for Plumbing Equipment *(22 05)*

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. See CSI section 23 05 13 00-0000 for motor requirements.

22 05 16 Expansion Fittings and Loops for Plumbing Piping *(22 05)*

See CSI section 23 05 16 00-0000 for expansion fittings and loops.

22 05 17 Sleeves and Sleeve Seals for Plumbing Piping *(22 05)*

See CSI section 23 05 17 00-0000 for sleeves and sleeve seals.

22 05 19 Meters and Gages for Plumbing Piping *(22 05)*

See CSI section 23 05 19 00-0000 for gages, 33 19 00 00-0000 for water utility service metering.

22 05 23 General-Duty Valves for Plumbing Piping *(22 05)*

See CSI section 23 05 23 00-0000 for additional valves.

22 05 23 00-0001 Gate Valves *(22 05 23)*

22 05 23 00-0002 Class 125 Brazed Or Soldered Bronze Gate Valves *(22 05 23 00-0001)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure. (Milwaukee Valve 105)

22 05 23 00-0003	EA	1/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	97.73	11.71
		For 150 Lb. Rating, Add	*6.36*	
		For 200 Lb. Rating, Add	*9.55*	
		For Work In Restricted Working Space, Add	*10.23*	
22 05 23 00-0004	EA	3/8" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	99.51	11.71
		For 150 Lb. Rating, Add	*6.36*	
		For 200 Lb. Rating, Add	*9.55*	
		For Work In Restricted Working Space, Add	*10.76*	
22 05 23 00-0005	EA	1/2" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	101.77	11.71
		For 150 Lb. Rating, Add	*6.40*	
		For 200 Lb. Rating, Add	*9.60*	
		For Work In Restricted Working Space, Add	*11.33*	
22 05 23 00-0006	EA	3/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	119.68	12.88
		For 150 Lb. Rating, Add	*6.88*	
		For 200 Lb. Rating, Add	*10.32*	
		For Work In Restricted Working Space, Add	*15.27*	
22 05 23 00-0007	EA	1" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	145.88	14.63
		For 150 Lb. Rating, Add	*8.43*	
		For 200 Lb. Rating, Add	*12.64*	
		For Work In Restricted Working Space, Add	*18.48*	
22 05 23 00-0008	EA	1-1/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	215.63	15.57
		For 150 Lb. Rating, Add	*13.76*	
		For 200 Lb. Rating, Add	*20.64*	
		For Work In Restricted Working Space, Add	*23.41*	
22 05 23 00-0009	EA	1-1/2" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	239.58	18.02
		For 150 Lb. Rating, Add	*14.95*	
		For 200 Lb. Rating, Add	*22.43*	
		For Work In Restricted Working Space, Add	*27.01*	
22 05 23 00-0010	EA	2" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	287.58	21.30
		For 150 Lb. Rating, Add	*18.12*	
		For 200 Lb. Rating, Add	*27.18*	
		For Work In Restricted Working Space, Add	*31.92*	
22 05 23 00-0011	EA	2-1/2" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	669.23	28.78
		For 150 Lb. Rating, Add	*52.55*	
		For 200 Lb. Rating, Add	*78.83*	
		For Work In Restricted Working Space, Add	*43.12*	
		For Chain Operated Type, Add	*236.48*	
22 05 23 00-0012	EA	3" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	785.95	33.41
		For 150 Lb. Rating, Add	*62.01*	
		For 200 Lb. Rating, Add	*93.02*	
		For Work In Restricted Working Space, Add	*49.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 23 00-0013		Class 125 Brazed Or Soldered Bronze Lead Free Gate Valves *(22 05 23 00-0001)*		
		Note: 125 psi steam, basic rating. 200 psi cold working pressure. (Milwaukee Valve UP105, Nibco T113-LF)		
22 05 23 00-0014	EA	1/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	118.93	11.71
		For 150 Lb. Rating, Add	*8.48*	
		For 200 Lb. Rating, Add	*12.73*	
		For Work In Restricted Working Space, Add	*10.23*	
22 05 23 00-0015	EA	3/8" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	120.53	11.71
		For 150 Lb. Rating, Add	*8.47*	
		For 200 Lb. Rating, Add	*12.70*	
		For Work In Restricted Working Space, Add	*10.76*	
22 05 23 00-0016	EA	1/2" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	140.95	11.71
		For 150 Lb. Rating, Add	*10.32*	
		For 200 Lb. Rating, Add	*15.48*	
		For Work In Restricted Working Space, Add	*11.33*	
22 05 23 00-0017	EA	3/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	158.87	12.88
		For 150 Lb. Rating, Add	*10.80*	
		For 200 Lb. Rating, Add	*16.20*	
		For Work In Restricted Working Space, Add	*15.27*	
22 05 23 00-0018	EA	1" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	190.59	14.63
		For 150 Lb. Rating, Add	*12.90*	
		For 200 Lb. Rating, Add	*19.35*	
		For Work In Restricted Working Space, Add	*18.48*	
22 05 23 00-0019	EA	1-1/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	276.78	15.57
		For 150 Lb. Rating, Add	*19.87*	
		For 200 Lb. Rating, Add	*29.81*	
		For Work In Restricted Working Space, Add	*23.41*	
22 05 23 00-0020	EA	1-1/2" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	316.50	18.02
		For 150 Lb. Rating, Add	*22.65*	
		For 200 Lb. Rating, Add	*33.97*	
		For Work In Restricted Working Space, Add	*27.01*	
22 05 23 00-0021	EA	2" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	406.43	21.30
		For 150 Lb. Rating, Add	*30.00*	
		For 200 Lb. Rating, Add	*45.00*	
		For Work In Restricted Working Space, Add	*31.92*	
22 05 23 00-0022		200 PSI, Non-Rising Stem, Crimped Bronze Gate Valves *(22 05 23 00-0001)*		
		Note: 200 psi cold working pressure.		
22 05 23 00-0023	EA	1/2" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	137.29	11.71
		For Work In Restricted Working Space, Add	*7.90*	
22 05 23 00-0024	EA	3/4" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	154.57	12.88
		For Work In Restricted Working Space, Add	*9.00*	
22 05 23 00-0025	EA	1" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	203.62	14.63
		For Work In Restricted Working Space, Add	*10.76*	
22 05 23 00-0026	EA	1-1/4" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	278.87	15.57
		For Work In Restricted Working Space, Add	*11.85*	
22 05 23 00-0027	EA	1-1/2" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	323.53	18.02
		For Work In Restricted Working Space, Add	*13.17*	
22 05 23 00-0028	EA	2" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	446.34	21.30
		For Work In Restricted Working Space, Add	*15.80*	
22 05 23 00-0029		Ball Valves *(22 05 23)*		
22 05 23 00-0030		Crimped Bronze, Ball Valves *(22 05 23 00-0029)*		
22 05 23 00-0031		Crimped Bronze, 250 PSI, Ball Valves *(22 05 23 00-0030)*		
		Note: Nibco®		
22 05 23 00-0032	EA	1/2" Crimped Bronze, 250 PSI, Ball Valve	93.35	11.71
		For Work In Restricted Working Space, Add	*7.90*	
22 05 23 00-0033	EA	3/4" Crimped Bronze, 250 PSI, Ball Valve	121.31	12.88
		For Work In Restricted Working Space, Add	*9.00*	
22 05 23 00-0034	EA	1" Crimped Bronze, 250 PSI, Ball Valve	156.05	14.63
		For Work In Restricted Working Space, Add	*10.76*	
22 05 23 00-0035	EA	1-1/4" Crimped Bronze, 250 PSI, Ball Valve	254.50	15.57
		For Work In Restricted Working Space, Add	*11.85*	
22 05 23 00-0036	EA	1-1/2" Crimped Bronze, 250 PSI, Ball Valve	337.45	18.02
		For Work In Restricted Working Space, Add	*13.17*	
22 05 23 00-0037	EA	2" Crimped Bronze, 250 PSI, Ball Valve	510.34	21.30
		For Work In Restricted Working Space, Add	*15.80*	
22 05 23 00-0038		Crimped Bronze, 200 PSI, Full Port Ball Valves *(22 05 23 00-0030)*		
22 05 23 00-0039	EA	1/2" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	55.57	11.71
		For Work In Restricted Working Space, Add	*7.90*	
22 05 23 00-0040	EA	3/4" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	71.07	12.88
		For Work In Restricted Working Space, Add	*9.00*	
22 05 23 00-0041	EA	1" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	86.41	14.63
		For Work In Restricted Working Space, Add	*10.76*	
22 05 23 00-0042	EA	1-1/4" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	121.68	15.57
		For Work In Restricted Working Space, Add	*11.85*	
22 05 23 00-0043	EA	1-1/2" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	157.66	18.02
		For Work In Restricted Working Space, Add	*13.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 23 00-0044	EA	2" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	234.38	21.30
		For Work In Restricted Working Space, Add	*15.80*	

22 05 23 00-0045 Crimped Bronze, 250 PSI, Full Port Ball Valves *(22 05 23 00-0030)*

22 05 23 00-0046	EA	1/2" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	64.26	11.71
		For Work In Restricted Working Space, Add	*7.90*	
22 05 23 00-0047	EA	3/4" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	77.39	12.88
		For Work In Restricted Working Space, Add	*9.00*	
22 05 23 00-0048	EA	1" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	96.52	14.63
		For Work In Restricted Working Space, Add	*10.76*	
22 05 23 00-0049	EA	1-1/4" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	153.27	15.57
		For Work In Restricted Working Space, Add	*11.85*	
22 05 23 00-0050	EA	1-1/2" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	225.60	18.02
		For Work In Restricted Working Space, Add	*13.17*	
22 05 23 00-0051	EA	2" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	313.38	21.30
		For Work In Restricted Working Space, Add	*15.80*	

22 05 23 00-0052 Crimped x Threaded Bronze, 250 PSI, Full Port Ball Valves *(22 05 23 00-0030)*

22 05 23 00-0053	EA	1/2" Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve	61.89	11.71
		For Work In Restricted Working Space, Add	*7.90*	
22 05 23 00-0054	EA	3/4" Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve	75.18	12.88
		For Work In Restricted Working Space, Add	*9.00*	
22 05 23 00-0055	EA	1" Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve	91.46	14.63
		For Work In Restricted Working Space, Add	*10.76*	

22 05 23 00-0056 Check Valves *(22 05 23)*

22 05 23 00-0057 Crimped Bronze, 200 PSI, Y-Pattern, Swing Check Valves *(22 05 23 00-0056)*

Note: Nibco®

22 05 23 00-0058	EA	1/2" Crimped Bronze, 200 PSI, Y-Pattern Check Valve	181.20	11.71
		For Work In Restricted Working Space, Add	*7.90*	
22 05 23 00-0059	EA	3/4" Crimped Bronze, 200 PSI, Y-Pattern Check Valve	231.09	12.88
		For Work In Restricted Working Space, Add	*9.00*	
22 05 23 00-0060	EA	1" Crimped Bronze, 200 PSI, Y-Pattern Check Valve	320.15	14.63
		For Work In Restricted Working Space, Add	*10.76*	
22 05 23 00-0061	EA	1-1/4" Crimped Bronze, 200 PSI, Y-Pattern Check Valve	427.82	15.57
		For Work In Restricted Working Space, Add	*11.85*	
22 05 23 00-0062	EA	1-1/2" Crimped Bronze, 200 PSI, Y-Pattern Check Valve	510.80	18.02
		For Work In Restricted Working Space, Add	*13.17*	
22 05 23 00-0063	EA	2" Crimped Bronze, 200 PSI, Y-Pattern Check Valve	732.24	21.30
		For Work In Restricted Working Space, Add	*15.80*	

22 05 23 00-0064 Crimped Bronze, 250 PSI, In-Line, Check Valves *(22 05 23 00-0056)*

22 05 23 00-0065	EA	1/2" Crimped Bronze, 200 PSI, In-Line Check Valve	48.90	11.71
		For Work In Restricted Working Space, Add	*7.90*	
22 05 23 00-0066	EA	3/4" Crimped Bronze, 200 PSI, In-Line Check Valve	58.86	12.88
		For Work In Restricted Working Space, Add	*9.00*	
22 05 23 00-0067	EA	1" Crimped Bronze, 200 PSI, In-Line Check Valve	69.12	14.63
		For Work In Restricted Working Space, Add	*10.76*	
22 05 23 00-0068	EA	1-1/4" Crimped Bronze, 200 PSI, In-Line Check Valve	87.62	15.57
		For Work In Restricted Working Space, Add	*11.85*	
22 05 23 00-0069	EA	1-1/2" Crimped Bronze, 200 PSI, In-Line Check Valve	112.20	18.02
		For Work In Restricted Working Space, Add	*13.17*	
22 05 23 00-0070	EA	2" Crimped Bronze, 200 PSI, In-Line Check Valve	176.98	21.30
		For Work In Restricted Working Space, Add	*15.80*	

22 05 23 00-0071 Butterfly Valves *(22 05 23)*

22 05 23 00-0072 Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve *(22 05 23 00-0071)*

22 05 23 00-0073	EA	2-1/2" Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve	1,370.01	31.25
		For Work In Restricted Working Space, Add	*18.44*	
22 05 23 00-0074	EA	3" Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve	1,482.38	36.29
		For Work In Restricted Working Space, Add	*21.95*	
22 05 23 00-0075	EA	4" Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve	1,852.49	40.97
		For Work In Restricted Working Space, Add	*28.97*	

22 05 23 00-0076 Regulators, Clay Valve *(22 05 23)*

22 05 23 00-0077	EA	4" Regulator - Clay Valve	4,018.04
22 05 23 00-0078	EA	8" Regulator - Clay Valve	5,466.67
22 05 23 00-0079	EA	10" Regulator - Clay Valve	7,446.81
22 05 23 00-0080	EA	12" Regulator - Clay Valve	9,023.02
22 05 23 00-0081	EA	18" Regulator - Clay Valve	15,915.22
22 05 23 00-0082	EA	24" Regulator - Clay Valve	25,748.61

22 05 29 Hangers and Supports for Plumbing Piping and Equipment *(22 05)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

See CSI section 23 05 29 00-0000 for hangers and supports.

22 05 33 Heat Tracing for Plumbing Piping *(22 05)*

See CSI section 23 83 13 00-0000 for heat tracing cables.

22 05 48 Vibration and Seismic Controls for Plumbing Piping and Equipment *(22 05)*

22 05 48 13 Vibration Controls for Plumbing Piping and Equipment *(22 05 48)*

See CSI section 23 05 48 13-0000 for vibration and seismic control.

22 05 53 Identification for Plumbing Piping and Equipment *(22 05)*

See CSI section 23 05 53 00-0000 for identification.

22 05 76 Facility Drainage Piping Cleanouts *(22 05)*

22 05 76 00-0001 Cast Iron Cleanout With Plug And Cover *(22 05 76)*

Note: For floor installation.

22 05 76 00-0002 Cast Iron Cleanout With Plug And Round Or Square Cover *(22 05 76 00-0001)*

22 05 76 00-0003	EA	2" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	761.49	62.27
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0004	EA	3" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	819.51	78.08
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0005	EA	4" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	1,024.23	94.35
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0006	EA	5" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	1,479.35	105.58
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0007	EA	6" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	1,825.81	114.36
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	

22 05 76 00-0008 Cast Iron Heavy-Duty Cleanout With Plug And Round Cover *(22 05 76 00-0001)*

22 05 76 00-0009	EA	2" Heavy-Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	880.57	62.27
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0010	EA	3" Heavy-Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	940.48	78.08
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0011	EA	4" Heavy-Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	1,145.20	94.35
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0012	EA	5" Heavy-Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	1,600.32	105.58
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0013	EA	6" Heavy-Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	1,946.78	114.36
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	

22 05 76 00-0014 Wall Cover For Cleanout *(22 05 76)*

Note: Cover and screw only.

22 05 76 00-0015 Round Access Cover, Bronze Polished Top *(22 05 76 00-0014)*

Note: Cover and screw only.

22 05 76 00-0016	EA	4-1/4" Diameter Wall Cover For Cleanout, Screwed	88.01	19.55
		For Stainless Steel, Add	*9.00*	
		For Vandal Proof Screws, Add	*19.50*	
22 05 76 00-0017	EA	5-1/2" Diameter Wall Cover For Cleanout, Screwed	95.83	23.41
		For Stainless Steel, Add	*9.00*	
		For Vandal Proof Screws, Add	*19.50*	
22 05 76 00-0018	EA	7" Diameter Wall Cover For Cleanout, Screwed	121.03	26.34
		For Stainless Steel, Add	*9.00*	
		For Vandal Proof Screws, Add	*19.50*	
22 05 76 00-0019	EA	9-1/4" Diameter Wall Cover For Cleanout, Screwed	199.09	29.27
		For Stainless Steel, Add	*9.00*	
		For Vandal Proof Screws, Add	*19.50*	
22 05 76 00-0020	EA	11-1/4" Diameter Wall Cover For Cleanout, Screwed	295.21	32.19
		For Stainless Steel, Add	*9.00*	
		For Vandal Proof Screws, Add	*19.50*	

22 05 76 00-0021 Square Wall Access Panel, Bronze Polished Top *(22 05 76 00-0014)*

Note: Cover and screw only.

22 05 76 00-0022	EA	7" x 7" Bronze Wall Or Floor Access Cover	587.87	19.55
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0023	EA	9" x 9" Bronze Wall Or Floor Access Cover	849.01	20.49
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0024	EA	10" x 10" Bronze Wall Or Floor Access Cover	907.25	21.66
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0025	EA	14" x 14" Bronze Wall Or Floor Access Cover	1,014.74	24.59
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	

22 05 76 00-0026 Secured Square Wall Access Panel, Bronze Polished Top *(22 05 76 00-0014)*

Note: Cover and screw only.

22 05 76 00-0027	EA	6" x 6" Bronze Secured Wall Access Panel	598.36	19.55
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0028	EA	8" x 8" Bronze Secured Wall Access Panel	864.46	20.49
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0029	EA	10" x 10" Bronze Secured Wall Access Panel	923.77	21.66
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0030	EA	12" x 12" Bronze Secured Wall Access Panel	1,033.21	24.59
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	

22 05 76 00-0031 Secure Square Hinged Access Panel, Bronze Polished Top, Scoriated *(22 05 76 00-0014)*

Note: Cover and screw only.

22 05 76 00-0032	EA	6" x 6" Bronze Secured Hinged Access Panel, Scoriated	580.24	19.55
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0033	EA	8" x 8" Bronze Secured Hinged Access Panel, Scoriated	804.90	20.49
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0034	EA	10" x 10" Bronze Secured Hinged Access Panel, Scoriated	1,143.89	21.66
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0035	EA	12" x 12" Bronze Secured Hinged Access Panel, Scoriated	1,385.39	24.59
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	

22 05 76 00-0036 Cast Iron Cleanout Tee *(22 05 76)*

22 05 76 00-0037 Cast Iron Cleanout Tee And Round Access Cover *(22 05 76 00-0036)*

Note: Satin smooth secured cover.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0038	EA	2" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover	547.39	62.27
		For Vandal Proof Screws, Add	*19.50*	
		For Galvanized Cast Iron Parts, Add	*45.00*	
22 05 76 00-0039	EA	3" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover	622.96	77.96
		For Vandal Proof Screws, Add	*19.50*	
		For Galvanized Cast Iron Parts, Add	*45.00*	
22 05 76 00-0040	EA	4" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover	816.09	94.35
		For Vandal Proof Screws, Add	*19.50*	
		For Galvanized Cast Iron Parts, Add	*45.00*	
22 05 76 00-0041	EA	6" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover	1,990.25	114.36
		For Vandal Proof Screws, Add	*19.50*	
		For Galvanized Cast Iron Parts, Add	*45.00*	

22 05 76 00-0042 Cast Iron Cleanout Tee And Square Access Cover *(22 05 76 00-0036)*

Note: Satin smooth secured cover.

22 05 76 00-0043	EA	2" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover	970.26	62.27
		For Vandal Proof Screws, Add	*19.50*	
		For Galvanized Cast Iron Parts, Add	*45.00*	
22 05 76 00-0044	EA	3" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover	1,045.83	77.96
		For Vandal Proof Screws, Add	*19.50*	
		For Galvanized Cast Iron Parts, Add	*45.00*	
22 05 76 00-0045	EA	4" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover	1,210.90	94.35
		For Vandal Proof Screws, Add	*19.50*	
		For Galvanized Cast Iron Parts, Add	*45.00*	
22 05 76 00-0046	EA	6" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover	2,561.43	114.36
		For Vandal Proof Screws, Add	*19.50*	
		For Galvanized Cast Iron Parts, Add	*45.00*	

22 05 76 00-0047 Cast Iron Cleanout Tee With Brass Plug *(22 05 76 00-0036)*

22 05 76 00-0048	EA	2" Cleanout Tee With Cast Bronze Screw Plug	448.85	50.91
22 05 76 00-0049	EA	3" Cleanout Tee With Cast Bronze Screw Plug	502.34	55.61
22 05 76 00-0050	EA	4" Cleanout Tee With Cast Bronze Screw Plug	669.85	73.16
22 05 76 00-0051	EA	5" Cleanout Tee With Cast Bronze Screw Plug	1,015.70	86.62
22 05 76 00-0052	EA	6" Cleanout Tee With Cast Bronze Screw Plug	1,749.36	102.42

22 05 76 00-0053 Removable Cleanout Plug *(22 05 76)*

22 05 76 00-0054 Threaded Bronze Plugs *(22 05 76 00-0053)*

22 05 76 00-0055	EA	1-1/4", 1-1/2" Or 2" Threaded Bronze Plug	83.29	14.63
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0056	EA	2-1/2" Threaded Bronze Plug	100.34	15.92
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0057	EA	3" Threaded Bronze Plug	174.89	17.56
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0058	EA	3-1/2" Threaded Bronze Plug	195.46	20.49
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0059	EA	4" Threaded Bronze Plug	220.93	23.41
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0060	EA	5" Threaded Bronze Plug	312.57	26.34
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0061	EA	6" Threaded Bronze Plug	463.03	29.27
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0062	EA	8" Threaded Bronze Plug	787.42	32.19
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0063	EA	10" Threaded Bronze Plug	1,136.40	35.12
		For Plug Tapped For Center Screw, Add	*9.50*	

22 05 76 00-0064 Threaded Brass Plugs *(22 05 76 00-0053)*

22 05 76 00-0065	EA	1-1/2" Threaded Brass Plug, Raised Head	32.73	14.63
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0066	EA	2" Threaded Brass Plug, Raised Head	33.34	14.63
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0067	EA	2-1/2" Threaded Brass Plug, Raised Head	36.36	15.92
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0068	EA	3" Threaded Brass Plug, Raised Head	41.19	17.56
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0069	EA	3-1/2" Threaded Brass Plug, Raised Head	48.67	20.49
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0070	EA	4" Threaded Brass Plug, Raised Head	57.26	23.41
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0071	EA	4-1/2" Threaded Brass Plug, Raised Head	61.53	24.66
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0072	EA	5" Threaded Brass Plug, Raised Head	66.18	26.34
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0073	EA	6" Threaded Brass Plug, Raised Head	86.66	29.26
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0074	EA	1-1/2" Threaded Brass Plug, Countersunk Head	32.26	14.63
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0075	EA	2" Threaded Brass Plug, Countersunk Head	32.93	14.63
		For Plug Tapped For Center Screw, Add	*9.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0076	EA	2-1/2" Threaded Brass Plug, Countersunk Head	37.67	15.92
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0077	EA	3" Threaded Brass Plug, Countersunk Head	41.38	17.56
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0078	EA	3-1/2" Threaded Brass Plug, Countersunk Head	48.11	20.49
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0079	EA	4" Threaded Brass Plug, Countersunk Head	56.37	23.41
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0080	EA	5" Threaded Brass Plug, Countersunk Head	65.70	26.34
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0081	EA	6" Threaded Brass Plug, Countersunk Head	78.81	29.27
		For Plug Tapped For Center Screw, Add	*9.50*	

22 07 Plumbing Insulation *(22)*

22 07 16 Plumbing Equipment Insulation *(22 07)*

22 07 16 00-0001 Lavatory Insulation *(22 07 16)*

22 07 16 00-0002	EA	Neoprene Insulation Kit For Under Lavatories	377.45	25.83

22 07 19 Plumbing Piping Insulation *(22 07)*

22 07 19 00-0001 Insulation Protective Jacketing *(22 07 19)*

Note: Jacketing only and to be added to insulation prices when required.

22 07 19 00-0002 Aluminum Insulation Protective Jacketing With Bands *(22 07 19 00-0001)*

22 07 19 00-0003 Aluminum Roll, Insulation Protective Jacketing With Bands *(22 07 19 00-0002)*

22 07 19 00-0004	SF	0.006" Aluminum Insulation Jacket With Bands	17.44	7.35
22 07 19 00-0005	SF	0.010" Aluminum Insulation Jacket With Bands	17.79	7.35
22 07 19 00-0006	SF	0.016" Aluminum Insulation Jacket With Bands	18.13	7.35
22 07 19 00-0007	SF	0.020" Aluminum Insulation Jacket With Bands	18.44	7.35
22 07 19 00-0008	SF	0.024" Aluminum Insulation Jacket With Bands	18.72	7.35

22 07 19 00-0009 16 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands *(22 07 19 00-0002)*

22 07 19 00-0010	LF	1/2" ID, 0.016" Aluminum Insulation Jacketing	9.12	2.08
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.02*	
22 07 19 00-0011	LF	3/4" ID, 0.016" Aluminum Insulation Jacketing	9.54	2.13
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0012	LF	1" ID, 0.016" Aluminum Insulation Jacketing	9.96	2.19
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0013	LF	1-1/4" ID, 0.016" Aluminum Insulation Jacketing	10.41	2.24
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0014	LF	1-1/2" ID, 0.016" Aluminum Insulation Jacketing	10.77	2.28
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0015	LF	1-3/4" ID, 0.016" Aluminum Insulation Jacketing	11.12	2.31
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0016	LF	2" ID, 0.016" Aluminum Insulation Jacketing	11.54	2.36
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0017	LF	2-1/4" ID, 0.016" Aluminum Insulation Jacketing	11.98	2.41
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0018	LF	2-1/2" ID, 0.016" Aluminum Insulation Jacketing	12.44	2.46
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0019	LF	2-3/4" ID, 0.016" Aluminum Insulation Jacketing	12.82	2.50
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0020	LF	3" ID, 0.016" Aluminum Insulation Jacketing	13.30	2.55
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0021	LF	3-1/4" ID, 0.016" Aluminum Insulation Jacketing	13.76	2.61
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0022	LF	3-1/2" ID, 0.016" Aluminum Insulation Jacketing	14.22	2.67
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0023	LF	3-3/4" ID, 0.016" Aluminum Insulation Jacketing	14.65	2.72
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0024	LF	4" ID, 0.016" Aluminum Insulation Jacketing	15.14	2.78
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	

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LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0025	LF	4-1/4" ID, 0.016" Aluminum Insulation Jacketing	15.65	2.85
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0026	LF	4-1/2" ID, 0.016" Aluminum Insulation Jacketing	16.19	2.92
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0027	LF	4-3/4" ID, 0.016" Aluminum Insulation Jacketing	16.64	2.98
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0028	LF	5" ID, 0.016" Aluminum Insulation Jacketing	17.19	3.06
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0029	LF	5-1/4" ID, 0.016" Aluminum Insulation Jacketing	17.75	3.14
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	
22 07 19 00-0030	LF	5-1/2" ID, 0.016" Aluminum Insulation Jacketing	18.24	3.21
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0031	LF	5-3/4" ID, 0.016" Aluminum Insulation Jacketing	18.87	3.30
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0032	LF	6" ID, 0.016" Aluminum Insulation Jacketing	19.48	3.40
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	
22 07 19 00-0033	LF	6-1/4" ID, 0.016" Aluminum Insulation Jacketing	19.92	3.45
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	
22 07 19 00-0034	LF	6-1/2" ID, 0.016" Aluminum Insulation Jacketing	20.36	3.50
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.16*	
22 07 19 00-0035	LF	7" ID, 0.016" Aluminum Insulation Jacketing	21.12	3.58
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.17*	
22 07 19 00-0036	LF	7-1/4" ID, 0.016" Aluminum Insulation Jacketing	21.68	3.68
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.17*	
22 07 19 00-0037	LF	7-1/2" ID, 0.016" Aluminum Insulation Jacketing	22.15	3.74
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.18*	
22 07 19 00-0038	LF	8" ID, 0.016" Aluminum Insulation Jacketing	22.86	3.80
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.19*	
22 07 19 00-0039	LF	8-1/2" ID, 0.016" Aluminum Insulation Jacketing	23.57	3.86
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.20*	
22 07 19 00-0040	LF	9" ID, 0.016" Aluminum Insulation Jacketing	24.42	3.96
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.21*	
22 07 19 00-0041	LF	9-1/2" ID, 0.016" Aluminum Insulation Jacketing	25.18	4.03
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.23*	
22 07 19 00-0042	LF	10" ID, 0.016" Aluminum Insulation Jacketing	25.91	4.10
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.24*	
22 07 19 00-0043	LF	10-1/2" ID, 0.016" Aluminum Insulation Jacketing	26.68	4.17
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.25*	
22 07 19 00-0044	LF	11" ID, 0.0106 Aluminum Insulation Jacketing	27.59	4.29
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.26*	
22 07 19 00-0045	LF	11-1/2" ID, 0.016" Aluminum Insulation Jacketing	28.41	4.37
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.27*	
22 07 19 00-0046	LF	12" ID, 0.016" Aluminum Insulation Jacketing	29.20	4.46
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.28*	
22 07 19 00-0047	LF	12-1/2" ID, 0.016" Aluminum Insulation Jacketing	30.20	4.59
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.30*	
22 07 19 00-0048	LF	13" ID, 0.016" Aluminum Insulation Jacketing	30.83	4.64
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.31*	
22 07 19 00-0049	LF	14" ID, 0.016" Aluminum Insulation Jacketing	31.96	4.68
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.33*	
22 07 19 00-0050	LF	15" ID, 0.016" Aluminum Insulation Jacketing	33.26	4.78
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.35*	
22 07 19 00-0051	LF	16" ID, 0.016" Aluminum Insulation Jacketing	34.40	4.83
		For Stucco Embossed, Add	*0.15*	
		For Corrugated, Add	*0.38*	
22 07 19 00-0052	LF	17" ID, 0.016" Aluminum Insulation Jacketing	35.73	4.93
		For Stucco Embossed, Add	*0.16*	
		For Corrugated, Add	*0.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0053	LF	18" ID, 0.016" Aluminum Insulation Jacketing	36.56	4.99
		For Stucco Embossed, Add	*0.17*	
		For Corrugated, Add	*0.42*	
22 07 19 00-0054	LF	19" ID, 0.016" Aluminum Insulation Jacketing	38.23	5.11
		For Stucco Embossed, Add	*0.18*	
		For Corrugated, Add	*0.45*	
22 07 19 00-0055	LF	20" ID, 0.016" Aluminum Insulation Jacketing	39.39	5.16
		For Stucco Embossed, Add	*0.19*	
		For Corrugated, Add	*0.47*	
22 07 19 00-0056	LF	21" ID, 0.016" Aluminum Insulation Jacketing	40.78	5.28
		For Stucco Embossed, Add	*0.20*	
		For Corrugated, Add	*0.49*	
22 07 19 00-0057	LF	22" ID, 0.016" Aluminum Insulation Jacketing	41.94	5.34
		For Stucco Embossed, Add	*0.21*	
		For Corrugated, Add	*0.51*	
22 07 19 00-0058	LF	23" ID, 0.016" Aluminum Insulation Jacketing	43.38	5.47
		For Stucco Embossed, Add	*0.22*	
		For Corrugated, Add	*0.54*	
22 07 19 00-0059	LF	24" ID, 0.016" Aluminum Insulation Jacketing	44.55	5.53
		For Stucco Embossed, Add	*0.22*	
		For Corrugated, Add	*0.56*	

22 07 19 00-0060 20 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands *(22 07 19 00-0002)*

22 07 19 00-0061	LF	1/2" ID, 0.020" Aluminum Insulation Jacketing	10.15	2.30
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.02*	
22 07 19 00-0062	LF	3/4" ID, 0.020" Aluminum Insulation Jacketing	10.65	2.35
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0063	LF	1" ID, 0.020" Aluminum Insulation Jacketing	11.17	2.41
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0064	LF	1-1/4" ID, 0.020" Aluminum Insulation Jacketing	11.70	2.47
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0065	LF	1-1/2" ID, 0.020" Aluminum Insulation Jacketing	12.13	2.50
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0066	LF	1-3/4" ID, 0.020" Aluminum Insulation Jacketing	12.57	2.54
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0067	LF	2" ID, 0.020" Aluminum Insulation Jacketing	13.07	2.59
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0068	LF	2-1/4" ID, 0.020" Aluminum Insulation Jacketing	13.57	2.65
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0069	LF	2-1/2" ID, 0.020" Aluminum Insulation Jacketing	14.12	2.70
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0070	LF	2-3/4" ID, 0.020" Aluminum Insulation Jacketing	14.59	2.75
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0071	LF	3" ID, 0.020" Aluminum Insulation Jacketing	15.17	2.81
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0072	LF	3-1/4" ID, 0.020" Aluminum Insulation Jacketing	15.70	2.87
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0073	LF	3-1/2" ID, 0.020" Aluminum Insulation Jacketing	16.25	2.94
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0074	LF	3-3/4" ID, 0.020" Aluminum Insulation Jacketing	16.75	2.99
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0075	LF	4" ID, 0.020" Aluminum Insulation Jacketing	17.33	3.06
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	
22 07 19 00-0076	LF	4-1/4" ID, 0.020" Aluminum Insulation Jacketing	17.93	3.14
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	
22 07 19 00-0077	LF	4-1/2" ID, 0.020" Aluminum Insulation Jacketing	18.57	3.21
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0078	LF	4-3/4" ID, 0.020" Aluminum Insulation Jacketing	19.11	3.28
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	
22 07 19 00-0079	LF	5" ID, 0.020" Aluminum Insulation Jacketing	19.75	3.36
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.16*	
22 07 19 00-0080	LF	5-1/4" ID, 0.020" Aluminum Insulation Jacketing	20.41	3.46
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0081	LF	5-1/2" ID, 0.020" Aluminum Insulation Jacketing	20.99	3.53
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.17*	
22 07 19 00-0082	LF	5-3/4" ID, 0.020" Aluminum Insulation Jacketing	21.72	3.64
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.18*	
22 07 19 00-0083	LF	6" ID, 0.020" Aluminum Insulation Jacketing	22.43	3.75
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.19*	
22 07 19 00-0084	LF	6-1/4" ID, 0.020" Aluminum Insulation Jacketing	22.94	3.80
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.19*	
22 07 19 00-0085	LF	6-1/2" ID, 0.020" Aluminum Insulation Jacketing	23.47	3.86
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.20*	
22 07 19 00-0086	LF	7" ID, 0.020" Aluminum Insulation Jacketing	24.37	3.95
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.21*	
22 07 19 00-0087	LF	7-1/4" ID, 0.020" Aluminum Insulation Jacketing	25.04	4.04
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.22*	
22 07 19 00-0088	LF	7-1/2" ID, 0.020" Aluminum Insulation Jacketing	25.59	4.11
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.23*	
22 07 19 00-0089	LF	8" ID, 0.020" Aluminum Insulation Jacketing	26.46	4.18
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.24*	
22 07 19 00-0090	LF	8-1/2" ID, 0.020" Aluminum Insulation Jacketing	27.31	4.24
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.26*	
22 07 19 00-0091	LF	9" ID, 0.020" Aluminum Insulation Jacketing	28.31	4.35
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.27*	
22 07 19 00-0092	LF	9-1/2" ID, 0.020" Aluminum Insulation Jacketing	29.24	4.43
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.29*	
22 07 19 00-0093	LF	10" ID, 0.020" Aluminum Insulation Jacketing	30.13	4.51
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.30*	
22 07 19 00-0094	LF	10-1/2" ID, 0.020" Aluminum Insulation Jacketing	31.04	4.59
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.32*	
22 07 19 00-0095	LF	11" ID, 0.0106 Aluminum Insulation Jacketing	32.13	4.72
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.33*	
22 07 19 00-0096	LF	11-1/2" ID, 0.020" Aluminum Insulation Jacketing	33.10	4.81
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.35*	
22 07 19 00-0097	LF	12" ID, 0.020" Aluminum Insulation Jacketing	34.06	4.90
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.36*	
22 07 19 00-0098	LF	12-1/2" ID, 0.020" Aluminum Insulation Jacketing	35.22	5.05
		For Stucco Embossed, Add	*0.15*	
		For Corrugated, Add	*0.38*	
22 07 19 00-0099	LF	13" ID, 0.020" Aluminum Insulation Jacketing	36.00	5.11
		For Stucco Embossed, Add	*0.16*	
		For Corrugated, Add	*0.39*	
22 07 19 00-0100	LF	14" ID, 0.020" Aluminum Insulation Jacketing	37.40	5.16
		For Stucco Embossed, Add	*0.17*	
		For Corrugated, Add	*0.42*	
22 07 19 00-0101	LF	15" ID, 0.020" Aluminum Insulation Jacketing	38.99	5.26
		For Stucco Embossed, Add	*0.18*	
		For Corrugated, Add	*0.45*	
22 07 19 00-0102	LF	16" ID, 0.020" Aluminum Insulation Jacketing	40.41	5.32
		For Stucco Embossed, Add	*0.19*	
		For Corrugated, Add	*0.48*	
22 07 19 00-0103	LF	17" ID, 0.020" Aluminum Insulation Jacketing	42.01	5.43
		For Stucco Embossed, Add	*0.20*	
		For Corrugated, Add	*0.51*	
22 07 19 00-0104	LF	18" ID, 0.020" Aluminum Insulation Jacketing	43.05	5.49
		For Stucco Embossed, Add	*0.21*	
		For Corrugated, Add	*0.53*	
22 07 19 00-0105	LF	19" ID, 0.020" Aluminum Insulation Jacketing	45.08	5.61
		For Stucco Embossed, Add	*0.23*	
		For Corrugated, Add	*0.57*	
22 07 19 00-0106	LF	20" ID, 0.020" Aluminum Insulation Jacketing	46.53	5.68
		For Stucco Embossed, Add	*0.24*	
		For Corrugated, Add	*0.60*	
22 07 19 00-0107	LF	21" ID, 0.020" Aluminum Insulation Jacketing	48.21	5.80
		For Stucco Embossed, Add	*0.25*	
		For Corrugated, Add	*0.62*	
22 07 19 00-0108	LF	22" ID, 0.020" Aluminum Insulation Jacketing	49.63	5.87
		For Stucco Embossed, Add	*0.26*	
		For Corrugated, Add	*0.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0109	LF	23" ID, 0.020" Aluminum Insulation Jacketing	51.38	6.01
		For Stucco Embossed, Add	*0.27*	
		For Corrugated, Add	*0.68*	
22 07 19 00-0110	LF	24" ID, 0.020" Aluminum Insulation Jacketing	52.83	6.08
		For Stucco Embossed, Add	*0.28*	
		For Corrugated, Add	*0.71*	

22 07 19 00-0111 24 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands *(22 07 19 00-0002)*

22 07 19 00-0112	LF	1/2" ID, 0.024" Aluminum Insulation Jacketing	11.19	2.51
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0113	LF	3/4" ID, 0.024" Aluminum Insulation Jacketing	11.76	2.56
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0114	LF	1" ID, 0.024" Aluminum Insulation Jacketing	12.35	2.63
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0115	LF	1-1/4" ID, 0.024" Aluminum Insulation Jacketing	12.95	2.69
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0116	LF	1-1/2" ID, 0.024" Aluminum Insulation Jacketing	13.46	2.73
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0117	LF	1-3/4" ID, 0.024" Aluminum Insulation Jacketing	13.98	2.77
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0118	LF	2" ID, 0.024" Aluminum Insulation Jacketing	14.54	2.83
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0119	LF	2-1/4" ID, 0.024" Aluminum Insulation Jacketing	15.13	2.88
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0120	LF	2-1/2" ID, 0.024" Aluminum Insulation Jacketing	15.76	2.95
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0121	LF	2-3/4" ID, 0.024" Aluminum Insulation Jacketing	16.29	2.99
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0122	LF	3" ID, 0.024" Aluminum Insulation Jacketing	16.95	3.06
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0123	LF	3-1/4" ID, 0.024" Aluminum Insulation Jacketing	17.59	3.13
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	
22 07 19 00-0124	LF	3-1/2" ID, 0.024" Aluminum Insulation Jacketing	18.21	3.20
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0125	LF	3-3/4" ID, 0.024" Aluminum Insulation Jacketing	18.79	3.26
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0126	LF	4" ID, 0.024" Aluminum Insulation Jacketing	19.44	3.34
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	
22 07 19 00-0127	LF	4-1/4" ID, 0.024" Aluminum Insulation Jacketing	20.12	3.42
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.16*	
22 07 19 00-0128	LF	4-1/2" ID, 0.024" Aluminum Insulation Jacketing	20.87	3.50
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.17*	
22 07 19 00-0129	LF	4-3/4" ID, 0.024" Aluminum Insulation Jacketing	21.48	3.57
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.18*	
22 07 19 00-0130	LF	5" ID, 0.024" Aluminum Insulation Jacketing	22.21	3.68
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.19*	
22 07 19 00-0131	LF	5-1/4" ID, 0.024" Aluminum Insulation Jacketing	22.95	3.78
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.20*	
22 07 19 00-0132	LF	5-1/2" ID, 0.024" Aluminum Insulation Jacketing	23.62	3.86
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.21*	
22 07 19 00-0133	LF	5-3/4" ID, 0.024" Aluminum Insulation Jacketing	24.46	3.97
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.22*	
22 07 19 00-0134	LF	6" ID, 0.024" Aluminum Insulation Jacketing	25.27	4.08
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.22*	
22 07 19 00-0135	LF	6-1/4" ID, 0.024" Aluminum Insulation Jacketing	25.86	4.14
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.23*	
22 07 19 00-0136	LF	6-1/2" ID, 0.024" Aluminum Insulation Jacketing	26.47	4.21
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0137	LF	7" ID, 0.024" Aluminum Insulation Jacketing	27.50	4.30
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.26*	
22 07 19 00-0138	LF	7-1/4" ID, 0.024" Aluminum Insulation Jacketing	28.26	4.41
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.27*	
22 07 19 00-0139	LF	7-1/2" ID, 0.024" Aluminum Insulation Jacketing	28.89	4.48
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.27*	
22 07 19 00-0140	LF	8" ID, 0.024" Aluminum Insulation Jacketing	29.90	4.56
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.29*	
22 07 19 00-0141	LF	8-1/2" ID, 0.024" Aluminum Insulation Jacketing	30.88	4.63
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.31*	
22 07 19 00-0142	LF	9" ID, 0.024" Aluminum Insulation Jacketing	32.05	4.75
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.33*	
22 07 19 00-0143	LF	9-1/2" ID, 0.024" Aluminum Insulation Jacketing	33.12	4.83
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.34*	
22 07 19 00-0144	LF	10" ID, 0.024" Aluminum Insulation Jacketing	34.16	4.92
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.36*	
22 07 19 00-0145	LF	10-1/2" ID, 0.024" Aluminum Insulation Jacketing	35.21	5.00
		For Stucco Embossed, Add	*0.15*	
		For Corrugated, Add	*0.38*	
22 07 19 00-0146	LF	11" ID, 0.0106 Aluminum Insulation Jacketing	36.45	5.15
		For Stucco Embossed, Add	*0.16*	
		For Corrugated, Add	*0.40*	
22 07 19 00-0147	LF	11-1/2" ID, 0.024" Aluminum Insulation Jacketing	37.57	5.25
		For Stucco Embossed, Add	*0.17*	
		For Corrugated, Add	*0.41*	
22 07 19 00-0148	LF	12" ID, 0.024" Aluminum Insulation Jacketing	38.69	5.35
		For Stucco Embossed, Add	*0.17*	
		For Corrugated, Add	*0.43*	
22 07 19 00-0149	LF	12-1/2" ID, 0.024" Aluminum Insulation Jacketing	40.02	5.51
		For Stucco Embossed, Add	*0.18*	
		For Corrugated, Add	*0.45*	
22 07 19 00-0150	LF	13" ID, 0.024" Aluminum Insulation Jacketing	40.93	5.57
		For Stucco Embossed, Add	*0.19*	
		For Corrugated, Add	*0.47*	
22 07 19 00-0151	LF	14" ID, 0.024" Aluminum Insulation Jacketing	42.58	5.62
		For Stucco Embossed, Add	*0.20*	
		For Corrugated, Add	*0.50*	
22 07 19 00-0152	LF	15" ID, 0.024" Aluminum Insulation Jacketing	44.44	5.74
		For Stucco Embossed, Add	*0.21*	
		For Corrugated, Add	*0.54*	
22 07 19 00-0153	LF	16" ID, 0.024" Aluminum Insulation Jacketing	46.10	5.80
		For Stucco Embossed, Add	*0.23*	
		For Corrugated, Add	*0.57*	
22 07 19 00-0154	LF	17" ID, 0.024" Aluminum Insulation Jacketing	47.98	5.92
		For Stucco Embossed, Add	*0.24*	
		For Corrugated, Add	*0.61*	
22 07 19 00-0155	LF	18" ID, 0.024" Aluminum Insulation Jacketing	49.20	5.99
		For Stucco Embossed, Add	*0.25*	
		For Corrugated, Add	*0.63*	
22 07 19 00-0156	LF	19" ID, 0.024" Aluminum Insulation Jacketing	51.58	6.12
		For Stucco Embossed, Add	*0.27*	
		For Corrugated, Add	*0.68*	
22 07 19 00-0157	LF	20" ID, 0.024" Aluminum Insulation Jacketing	53.28	6.19
		For Stucco Embossed, Add	*0.29*	
		For Corrugated, Add	*0.71*	
22 07 19 00-0158	LF	21" ID, 0.024" Aluminum Insulation Jacketing	55.23	6.33
		For Stucco Embossed, Add	*0.30*	
		For Corrugated, Add	*0.75*	
22 07 19 00-0159	LF	22" ID, 0.024" Aluminum Insulation Jacketing	56.92	6.40
		For Stucco Embossed, Add	*0.31*	
		For Corrugated, Add	*0.78*	
22 07 19 00-0160	LF	23" ID, 0.024" Aluminum Insulation Jacketing	58.94	6.56
		For Stucco Embossed, Add	*0.33*	
		For Corrugated, Add	*0.82*	
22 07 19 00-0161	LF	24" ID, 0.024" Aluminum Insulation Jacketing	60.65	6.64
		For Stucco Embossed, Add	*0.34*	
		For Corrugated, Add	*0.85*	

22 07 19 00-0162 32 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands *(22 07 19 00-0002)*

22 07 19 00-0163	LF	1/2" ID, 0.032" Aluminum Insulation Jacketing	12.68	2.78
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0164	LF	3/4" ID, 0.032" Aluminum Insulation Jacketing	13.39	2.84
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0165	LF	1" ID, 0.032" Aluminum Insulation Jacketing	14.12	2.91
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0166	LF	1-1/4" ID, 0.032" Aluminum Insulation Jacketing	14.87	2.98
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0167	LF	1-1/2" ID, 0.032" Aluminum Insulation Jacketing	15.51	3.02
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0168	LF	1-3/4" ID, 0.032" Aluminum Insulation Jacketing	16.16	3.07
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0169	LF	2" ID, 0.032" Aluminum Insulation Jacketing	16.88	3.13
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0170	LF	2-1/4" ID, 0.032" Aluminum Insulation Jacketing	17.60	3.20
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0171	LF	2-1/2" ID, 0.032" Aluminum Insulation Jacketing	18.40	3.26
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	
22 07 19 00-0172	LF	2-3/4" ID, 0.032" Aluminum Insulation Jacketing	19.07	3.32
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	
22 07 19 00-0173	LF	3" ID, 0.032" Aluminum Insulation Jacketing	19.89	3.39
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.16*	
22 07 19 00-0174	LF	3-1/4" ID, 0.032" Aluminum Insulation Jacketing	20.67	3.47
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.17*	
22 07 19 00-0175	LF	3-1/2" ID, 0.032" Aluminum Insulation Jacketing	21.45	3.55
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.18*	
22 07 19 00-0176	LF	3-3/4" ID, 0.032" Aluminum Insulation Jacketing	22.16	3.61
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.19*	
22 07 19 00-0177	LF	4" ID, 0.032" Aluminum Insulation Jacketing	22.98	3.71
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.20*	
22 07 19 00-0178	LF	4-1/4" ID, 0.032" Aluminum Insulation Jacketing	23.81	3.80
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.22*	
22 07 19 00-0179	LF	4-1/2" ID, 0.032" Aluminum Insulation Jacketing	24.72	3.89
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.23*	
22 07 19 00-0180	LF	4-3/4" ID, 0.032" Aluminum Insulation Jacketing	25.49	3.97
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.24*	
22 07 19 00-0181	LF	5" ID, 0.032" Aluminum Insulation Jacketing	26.37	4.07
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.25*	
22 07 19 00-0182	LF	5-1/4" ID, 0.032" Aluminum Insulation Jacketing	27.29	4.18
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.26*	
22 07 19 00-0183	LF	5-1/2" ID, 0.032" Aluminum Insulation Jacketing	28.10	4.27
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.28*	
22 07 19 00-0184	LF	5-3/4" ID, 0.032" Aluminum Insulation Jacketing	29.11	4.39
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.29*	
22 07 19 00-0185	LF	6" ID, 0.032" Aluminum Insulation Jacketing	30.10	4.52
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.30*	
22 07 19 00-0186	LF	6-1/4" ID, 0.032" Aluminum Insulation Jacketing	30.84	4.59
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.31*	
22 07 19 00-0187	LF	6-1/2" ID, 0.032" Aluminum Insulation Jacketing	31.58	4.66
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.32*	
22 07 19 00-0188	LF	7" ID, 0.032" Aluminum Insulation Jacketing	32.88	4.77
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.35*	
22 07 19 00-0189	LF	7-1/4" ID, 0.032" Aluminum Insulation Jacketing	33.81	4.88
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.36*	
22 07 19 00-0190	LF	7-1/2" ID, 0.032" Aluminum Insulation Jacketing	34.59	4.96
		For Stucco Embossed, Add	*0.15*	
		For Corrugated, Add	*0.37*	
22 07 19 00-0191	LF	8" ID, 0.032" Aluminum Insulation Jacketing	35.86	5.05
		For Stucco Embossed, Add	*0.16*	
		For Corrugated, Add	*0.39*	
22 07 19 00-0192	LF	8-1/2" ID, 0.032" Aluminum Insulation Jacketing	37.11	5.14
		For Stucco Embossed, Add	*0.17*	
		For Corrugated, Add	*0.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0193	LF	9" ID, 0.032" Aluminum Insulation Jacketing	38.58	5.27
		For Stucco Embossed, Add	*0.18*	
		For Corrugated, Add	*0.44*	
22 07 19 00-0194	LF	9-1/2" ID, 0.032" Aluminum Insulation Jacketing	39.93	5.36
		For Stucco Embossed, Add	*0.19*	
		For Corrugated, Add	*0.46*	
22 07 19 00-0195	LF	10" ID, 0.032" Aluminum Insulation Jacketing	41.24	5.45
		For Stucco Embossed, Add	*0.19*	
		For Corrugated, Add	*0.49*	
22 07 19 00-0196	LF	10-1/2" ID, 0.032" Aluminum Insulation Jacketing	42.56	5.55
		For Stucco Embossed, Add	*0.20*	
		For Corrugated, Add	*0.51*	
22 07 19 00-0197	LF	11" ID, 0.0106 Aluminum Insulation Jacketing	44.11	5.71
		For Stucco Embossed, Add	*0.21*	
		For Corrugated, Add	*0.53*	
22 07 19 00-0198	LF	11-1/2" ID, 0.032" Aluminum Insulation Jacketing	45.53	5.82
		For Stucco Embossed, Add	*0.22*	
		For Corrugated, Add	*0.56*	
22 07 19 00-0199	LF	12" ID, 0.032" Aluminum Insulation Jacketing	46.91	5.93
		For Stucco Embossed, Add	*0.23*	
		For Corrugated, Add	*0.58*	
22 07 19 00-0200	LF	12-1/2" ID, 0.032" Aluminum Insulation Jacketing	48.56	6.10
		For Stucco Embossed, Add	*0.24*	
		For Corrugated, Add	*0.60*	
22 07 19 00-0201	LF	13" ID, 0.032" Aluminum Insulation Jacketing	49.72	6.17
		For Stucco Embossed, Add	*0.25*	
		For Corrugated, Add	*0.63*	
22 07 19 00-0202	LF	14" ID, 0.032" Aluminum Insulation Jacketing	51.89	6.23
		For Stucco Embossed, Add	*0.27*	
		For Corrugated, Add	*0.67*	
22 07 19 00-0203	LF	15" ID, 0.032" Aluminum Insulation Jacketing	54.27	6.36
		For Stucco Embossed, Add	*0.29*	
		For Corrugated, Add	*0.72*	
22 07 19 00-0204	LF	16" ID, 0.032" Aluminum Insulation Jacketing	56.45	6.42
		For Stucco Embossed, Add	*0.31*	
		For Corrugated, Add	*0.77*	
22 07 19 00-0205	LF	17" ID, 0.032" Aluminum Insulation Jacketing	58.85	6.57
		For Stucco Embossed, Add	*0.33*	
		For Corrugated, Add	*0.81*	
22 07 19 00-0206	LF	18" ID, 0.032" Aluminum Insulation Jacketing	60.42	6.64
		For Stucco Embossed, Add	*0.34*	
		For Corrugated, Add	*0.85*	
22 07 19 00-0207	LF	19" ID, 0.032" Aluminum Insulation Jacketing	63.50	6.79
		For Stucco Embossed, Add	*0.36*	
		For Corrugated, Add	*0.91*	
22 07 19 00-0208	LF	20" ID, 0.032" Aluminum Insulation Jacketing	65.73	6.86
		For Stucco Embossed, Add	*0.38*	
		For Corrugated, Add	*0.96*	
22 07 19 00-0209	LF	21" ID, 0.032" Aluminum Insulation Jacketing	68.20	7.02
		For Stucco Embossed, Add	*0.40*	
		For Corrugated, Add	*1.00*	
22 07 19 00-0210	LF	22" ID, 0.032" Aluminum Insulation Jacketing	70.40	7.10
		For Stucco Embossed, Add	*0.42*	
		For Corrugated, Add	*1.05*	
22 07 19 00-0211	LF	23" ID, 0.032" Aluminum Insulation Jacketing	72.98	7.27
		For Stucco Embossed, Add	*0.44*	
		For Corrugated, Add	*1.10*	
22 07 19 00-0212	LF	24" ID, 0.032" Aluminum Insulation Jacketing	75.18	7.36
		For Stucco Embossed, Add	*0.46*	
		For Corrugated, Add	*1.14*	

22 07 19 00-0213 40 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands *(22 07 19 00-0002)*

22 07 19 00-0214	LF	1/2" ID, 0.040" Aluminum Insulation Jacketing	14.74	3.19
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0215	LF	3/4" ID, 0.040" Aluminum Insulation Jacketing	15.62	3.26
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0216	LF	1" ID, 0.040" Aluminum Insulation Jacketing	16.51	3.34
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0217	LF	1-1/4" ID, 0.040" Aluminum Insulation Jacketing	17.41	3.42
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0218	LF	1-1/2" ID, 0.040" Aluminum Insulation Jacketing	18.20	3.47
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0219	LF	1-3/4" ID, 0.040" Aluminum Insulation Jacketing	19.00	3.53
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0220	LF	2" ID, 0.040" Aluminum Insulation Jacketing	19.87	3.60
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0221	LF	2-1/4" ID, 0.040" Aluminum Insulation Jacketing	20.75	3.68
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	
22 07 19 00-0222	LF	2-1/2" ID, 0.040" Aluminum Insulation Jacketing	21.72	3.76
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.17*	
22 07 19 00-0223	LF	2-3/4" ID, 0.040" Aluminum Insulation Jacketing	22.56	3.82
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.18*	
22 07 19 00-0224	LF	3" ID, 0.040" Aluminum Insulation Jacketing	23.54	3.91
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.20*	
22 07 19 00-0225	LF	3-1/4" ID, 0.040" Aluminum Insulation Jacketing	24.48	3.99
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.21*	
22 07 19 00-0226	LF	3-1/2" ID, 0.040" Aluminum Insulation Jacketing	25.43	4.09
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.23*	
22 07 19 00-0227	LF	3-3/4" ID, 0.040" Aluminum Insulation Jacketing	26.30	4.16
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.24*	
22 07 19 00-0228	LF	4" ID, 0.040" Aluminum Insulation Jacketing	27.29	4.26
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.26*	
22 07 19 00-0229	LF	4-1/4" ID, 0.040" Aluminum Insulation Jacketing	28.29	4.36
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.27*	
22 07 19 00-0230	LF	4-1/2" ID, 0.040" Aluminum Insulation Jacketing	29.39	4.47
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.29*	
22 07 19 00-0231	LF	4-3/4" ID, 0.040" Aluminum Insulation Jacketing	30.33	4.56
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.30*	
22 07 19 00-0232	LF	5" ID, 0.040" Aluminum Insulation Jacketing	31.39	4.68
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.32*	
22 07 19 00-0233	LF	5-1/4" ID, 0.040" Aluminum Insulation Jacketing	32.49	4.81
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.33*	
22 07 19 00-0234	LF	5-1/2" ID, 0.040" Aluminum Insulation Jacketing	33.48	4.91
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.35*	
22 07 19 00-0235	LF	5-3/4" ID, 0.040" Aluminum Insulation Jacketing	34.70	5.05
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.36*	
22 07 19 00-0236	LF	6" ID, 0.040" Aluminum Insulation Jacketing	35.88	5.21
		For Stucco Embossed, Add	*0.15*	
		For Corrugated, Add	*0.38*	
22 07 19 00-0237	LF	6-1/4" ID, 0.040" Aluminum Insulation Jacketing	36.78	5.29
		For Stucco Embossed, Add	*0.16*	
		For Corrugated, Add	*0.39*	
22 07 19 00-0238	LF	6-1/2" ID, 0.040" Aluminum Insulation Jacketing	37.68	5.37
		For Stucco Embossed, Add	*0.16*	
		For Corrugated, Add	*0.41*	
22 07 19 00-0239	LF	7" ID, 0.040" Aluminum Insulation Jacketing	39.27	5.49
		For Stucco Embossed, Add	*0.17*	
		For Corrugated, Add	*0.43*	
22 07 19 00-0240	LF	7-1/4" ID, 0.040" Aluminum Insulation Jacketing	40.38	5.62
		For Stucco Embossed, Add	*0.18*	
		For Corrugated, Add	*0.45*	
22 07 19 00-0241	LF	7-1/2" ID, 0.040" Aluminum Insulation Jacketing	41.34	5.71
		For Stucco Embossed, Add	*0.18*	
		For Corrugated, Add	*0.46*	
22 07 19 00-0242	LF	8" ID, 0.040" Aluminum Insulation Jacketing	42.89	5.81
		For Stucco Embossed, Add	*0.20*	
		For Corrugated, Add	*0.49*	
22 07 19 00-0243	LF	8-1/2" ID, 0.040" Aluminum Insulation Jacketing	44.43	5.90
		For Stucco Embossed, Add	*0.21*	
		For Corrugated, Add	*0.52*	
22 07 19 00-0244	LF	9" ID, 0.040" Aluminum Insulation Jacketing	46.21	6.05
		For Stucco Embossed, Add	*0.22*	
		For Corrugated, Add	*0.55*	
22 07 19 00-0245	LF	9-1/2" ID, 0.040" Aluminum Insulation Jacketing	47.87	6.16
		For Stucco Embossed, Add	*0.23*	
		For Corrugated, Add	*0.58*	
22 07 19 00-0246	LF	10" ID, 0.040" Aluminum Insulation Jacketing	49.47	6.27
		For Stucco Embossed, Add	*0.24*	
		For Corrugated, Add	*0.61*	
22 07 19 00-0247	LF	10-1/2" ID, 0.040" Aluminum Insulation Jacketing	51.10	6.38
		For Stucco Embossed, Add	*0.26*	
		For Corrugated, Add	*0.64*	
22 07 19 00-0248	LF	11" ID, 0.0106 Aluminum Insulation Jacketing	52.97	6.57
		For Stucco Embossed, Add	*0.27*	
		For Corrugated, Add	*0.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0249	LF	11-1/2" ID, 0.040" Aluminum Insulation Jacketing	54.71	6.69
		For Stucco Embossed, Add	*0.28*	
		For Corrugated, Add	*0.70*	
22 07 19 00-0250	LF	12" ID, 0.040" Aluminum Insulation Jacketing	56.39	6.82
		For Stucco Embossed, Add	*0.29*	
		For Corrugated, Add	*0.73*	
22 07 19 00-0251	LF	12-1/2" ID, 0.040" Aluminum Insulation Jacketing	58.37	7.03
		For Stucco Embossed, Add	*0.30*	
		For Corrugated, Add	*0.76*	
22 07 19 00-0252	LF	13" ID, 0.040" Aluminum Insulation Jacketing	59.83	7.10
		For Stucco Embossed, Add	*0.31*	
		For Corrugated, Add	*0.79*	
22 07 19 00-0253	LF	14" ID, 0.040" Aluminum Insulation Jacketing	62.51	7.17
		For Stucco Embossed, Add	*0.34*	
		For Corrugated, Add	*0.85*	
22 07 19 00-0254	LF	15" ID, 0.040" Aluminum Insulation Jacketing	65.44	7.32
		For Stucco Embossed, Add	*0.36*	
		For Corrugated, Add	*0.90*	
22 07 19 00-0255	LF	16" ID, 0.040" Aluminum Insulation Jacketing	68.14	7.39
		For Stucco Embossed, Add	*0.39*	
		For Corrugated, Add	*0.96*	
22 07 19 00-0256	LF	17" ID, 0.040" Aluminum Insulation Jacketing	71.11	7.55
		For Stucco Embossed, Add	*0.41*	
		For Corrugated, Add	*1.02*	
22 07 19 00-0257	LF	18" ID, 0.040" Aluminum Insulation Jacketing	73.04	7.63
		For Stucco Embossed, Add	*0.43*	
		For Corrugated, Add	*1.06*	
22 07 19 00-0258	LF	19" ID, 0.040" Aluminum Insulation Jacketing	76.86	7.80
		For Stucco Embossed, Add	*0.46*	
		For Corrugated, Add	*1.14*	
22 07 19 00-0259	LF	20" ID, 0.040" Aluminum Insulation Jacketing	79.61	7.89
		For Stucco Embossed, Add	*0.48*	
		For Corrugated, Add	*1.20*	
22 07 19 00-0260	LF	21" ID, 0.040" Aluminum Insulation Jacketing	82.65	8.08
		For Stucco Embossed, Add	*0.50*	
		For Corrugated, Add	*1.26*	
22 07 19 00-0261	LF	22" ID, 0.040" Aluminum Insulation Jacketing	85.37	8.17
		For Stucco Embossed, Add	*0.53*	
		For Corrugated, Add	*1.32*	
22 07 19 00-0262	LF	23" ID, 0.040" Aluminum Insulation Jacketing	88.55	8.37
		For Stucco Embossed, Add	*0.55*	
		For Corrugated, Add	*1.38*	
22 07 19 00-0263	LF	24" ID, 0.040" Aluminum Insulation Jacketing	91.27	8.46
		For Stucco Embossed, Add	*0.57*	
		For Corrugated, Add	*1.44*	

22 07 19 00-0264 Aluminum Insulation Protective Jacketing For Fittings *(22 07 19 00-0002)*

22 07 19 00-0265	EA	1-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	24.66	3.28
22 07 19 00-0266	EA	1-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	25.14	3.40
22 07 19 00-0267	EA	2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	28.66	3.53
22 07 19 00-0268	EA	2-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	28.88	3.58
22 07 19 00-0269	EA	2-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	29.10	3.65
22 07 19 00-0270	EA	2-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	29.46	3.74
22 07 19 00-0271	EA	3" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	31.06	3.83
22 07 19 00-0272	EA	3-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	31.45	3.93
22 07 19 00-0273	EA	3-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	34.59	3.99
22 07 19 00-0274	EA	3-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	35.35	4.07
22 07 19 00-0275	EA	4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	36.69	4.17
22 07 19 00-0276	EA	4-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	37.56	4.25
22 07 19 00-0277	EA	4-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	37.88	4.33
22 07 19 00-0278	EA	4-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	38.21	4.41
22 07 19 00-0279	EA	5" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	41.17	4.50
22 07 19 00-0280	EA	5-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	45.09	4.59
22 07 19 00-0281	EA	5-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	52.22	4.73
22 07 19 00-0282	EA	5-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	52.62	4.83
22 07 19 00-0283	EA	6" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	48.36	4.99
22 07 19 00-0284	EA	6-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	48.80	5.11
22 07 19 00-0285	EA	6-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	55.31	5.28
22 07 19 00-0286	EA	7" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	63.12	5.40
22 07 19 00-0287	EA	7-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	63.37	5.47
22 07 19 00-0288	EA	7-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	83.16	5.53
22 07 19 00-0289	EA	8" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	67.91	5.60
22 07 19 00-0290	EA	8-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	107.06	5.74
22 07 19 00-0291	EA	9" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	107.64	5.89
22 07 19 00-0292	EA	9-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	85.71	5.96
22 07 19 00-0293	EA	10" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	86.03	6.04
22 07 19 00-0294	EA	10-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	87.69	6.12
22 07 19 00-0295	EA	11" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	88.02	6.20
22 07 19 00-0296	EA	11-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	97.35	6.37
22 07 19 00-0297	EA	12" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	97.71	6.46
22 07 19 00-0298	EA	12-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	154.49	6.66
22 07 19 00-0299	EA	13" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	154.89	6.76

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0300	EA	14" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	199.31	6.96
22 07 19 00-0301	EA	15" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	207.98	7.17
22 07 19 00-0302	EA	16" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	224.72	7.29
22 07 19 00-0303	EA	2-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	26.57	3.65
22 07 19 00-0304	EA	2-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	26.93	3.74
22 07 19 00-0305	EA	3" ID, Aluminum 45 Degree Elbow Insulation Jacketing	28.87	3.83
22 07 19 00-0306	EA	3-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	29.26	3.93
22 07 19 00-0307	EA	3-1/2" ID Aluminum 45 Degree Elbow Insulation Jacketing	31.44	3.99
22 07 19 00-0308	EA	3-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	31.72	4.07
22 07 19 00-0309	EA	4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	32.42	4.17
22 07 19 00-0310	EA	4-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	34.95	4.25
22 07 19 00-0311	EA	4-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	35.27	4.33
22 07 19 00-0312	EA	4-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	35.60	4.41
22 07 19 00-0313	EA	5" ID, Aluminum 45 Degree Elbow Insulation Jacketing	39.07	4.50
22 07 19 00-0314	EA	5-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	39.44	4.59
22 07 19 00-0315	EA	5-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	41.02	4.73
22 07 19 00-0316	EA	6" ID, Aluminum 45 Degree Elbow Insulation Jacketing	42.05	4.99
22 07 19 00-0317	EA	6-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	51.62	5.28
22 07 19 00-0318	EA	7" ID, Aluminum 45 Degree Elbow Insulation Jacketing	52.12	5.40
22 07 19 00-0319	EA	7-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	52.91	5.53
22 07 19 00-0320	EA	8" ID, Aluminum 45 Degree Elbow Insulation Jacketing	53.18	5.60
22 07 19 00-0321	EA	8-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	61.26	5.74
22 07 19 00-0322	EA	9" ID, Aluminum 45 Degree Elbow Insulation Jacketing	61.84	5.89
22 07 19 00-0323	EA	9-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	77.01	5.96
22 07 19 00-0324	EA	10" ID, Aluminum 45 Degree Elbow Insulation Jacketing	77.33	6.04
22 07 19 00-0325	EA	10-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	74.21	6.12
22 07 19 00-0326	EA	11" ID, Aluminum 45 Degree Elbow Insulation Jacketing	74.54	6.20
22 07 19 00-0327	EA	11-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	85.24	6.37
22 07 19 00-0328	EA	12" ID, Aluminum 45 Degree Elbow Insulation Jacketing	85.60	6.46
22 07 19 00-0329	EA	13" ID, Aluminum 45 Degree Elbow Insulation Jacketing	97.12	6.76
22 07 19 00-0330	EA	14" ID, Aluminum 45 Degree Elbow Insulation Jacketing	113.85	6.96
22 07 19 00-0331	EA	15" ID, Aluminum 45 Degree Elbow Insulation Jacketing	161.24	7.17
22 07 19 00-0332	EA	16" ID, Aluminum 45 Degree Elbow Insulation Jacketing	172.84	7.29
22 07 19 00-0333	EA	17" ID, Aluminum 45 Degree Elbow Insulation Jacketing	169.92	7.40
22 07 19 00-0334	EA	18" ID, Aluminum 45 Degree Elbow Insulation Jacketing	190.14	7.52
22 07 19 00-0335	EA	19" ID, Aluminum 45 Degree Elbow Insulation Jacketing	226.09	7.65
22 07 19 00-0336	EA	20" ID, Aluminum 45 Degree Elbow Insulation Jacketing	220.18	7.78
22 07 19 00-0337	EA	21" ID, Aluminum 45 Degree Elbow Insulation Jacketing	235.76	7.91
22 07 19 00-0338	EA	2-1/2" ID, Aluminum Tee Insulation Jacketing	103.26	5.22
22 07 19 00-0339	EA	2-3/4" ID, Aluminum Tee Insulation Jacketing	103.75	5.34
22 07 19 00-0340	EA	3" ID, Aluminum Tee Insulation Jacketing	114.94	5.47
22 07 19 00-0341	EA	3-1/4" ID, Aluminum Tee Insulation Jacketing	115.47	5.60
22 07 19 00-0342	EA	3-1/2" ID Aluminum Tee Insulation Jacketing	120.50	5.74
22 07 19 00-0343	EA	4" ID, Aluminum Tee Insulation Jacketing	122.14	5.89
22 07 19 00-0344	EA	4-1/4" ID, Aluminum Tee Insulation Jacketing	128.45	6.04
22 07 19 00-0345	EA	4-1/2" ID, Aluminum Tee Insulation Jacketing	128.25	6.20
22 07 19 00-0346	EA	4-3/4" ID, Aluminum Tee Insulation Jacketing	128.94	6.37
22 07 19 00-0347	EA	5" ID, Aluminum Tee Insulation Jacketing	133.52	6.56
22 07 19 00-0348	EA	5-1/4" ID, Aluminum Tee Insulation Jacketing	134.30	6.76
22 07 19 00-0349	EA	5-1/2" ID, Aluminum Tee Insulation Jacketing	139.86	6.96
22 07 19 00-0350	EA	6" ID, Aluminum Tee Insulation Jacketing	140.74	7.17
22 07 19 00-0351	EA	6-1/2" ID, Aluminum Tee Insulation Jacketing	153.68	7.65
22 07 19 00-0352	EA	7" ID, Aluminum Tee Insulation Jacketing	154.73	7.91
22 07 19 00-0353	EA	7-1/2" ID, Aluminum Tee Insulation Jacketing	169.66	8.20
22 07 19 00-0354	EA	8" ID, Aluminum Tee Insulation Jacketing	170.86	8.50
22 07 19 00-0355	EA	8-1/2" ID, Aluminum Tee Insulation Jacketing	175.78	8.83
22 07 19 00-0356	EA	9" ID, Aluminum Tee Insulation Jacketing	177.20	9.18
22 07 19 00-0357	EA	9-1/2" ID, Aluminum Tee Insulation Jacketing	141.73	9.37
22 07 19 00-0358	EA	10" ID, Aluminum Tee Insulation Jacketing	142.51	9.57
22 07 19 00-0359	EA	10-1/2" ID, Aluminum Tee Insulation Jacketing	150.12	9.77
22 07 19 00-0360	EA	11" ID, Aluminum Tee Insulation Jacketing	150.98	9.98
22 07 19 00-0361	EA	11-1/2" ID, Aluminum Tee Insulation Jacketing	157.91	10.20
22 07 19 00-0362	EA	12" ID, Aluminum Tee Insulation Jacketing	158.84	10.43
22 07 19 00-0363	EA	13" ID, Aluminum Tee Insulation Jacketing	165.63	10.67
22 07 19 00-0364	EA	14" ID, Aluminum Tee Insulation Jacketing	172.68	10.94
22 07 19 00-0365	EA	15" ID, Aluminum Tee Insulation Jacketing	184.27	11.20
22 07 19 00-0366	EA	16" ID, Aluminum Tee Insulation Jacketing	188.89	11.48
22 07 19 00-0367	EA	17" ID, Aluminum Tee Insulation Jacketing	211.46	11.77
22 07 19 00-0368	EA	18" ID, Aluminum Tee Insulation Jacketing	219.10	12.08
22 07 19 00-0369	EA	19" ID, Aluminum Tee Insulation Jacketing	238.49	12.41
22 07 19 00-0370	EA	20" ID, Aluminum Tee Insulation Jacketing	243.99	12.76
22 07 19 00-0371	EA	22" ID, Aluminum Tee Insulation Jacketing	297.96	13.12
22 07 19 00-0372	EA	23" ID, Aluminum Tee Insulation Jacketing	306.33	13.50
22 07 19 00-0373	EA	24" ID, Aluminum Tee Insulation Jacketing	318.12	14.81
22 07 19 00-0374		Stainless Steel Insulation Protective Jacketing With Bands *(22 07 19 00-0001)*		
22 07 19 00-0375		Type 304 Stainless Steel Roll, Insulation Protective Jacketing With Bands *(22 07 19 00-0374)*		
22 07 19 00-0376	SF	0.010" Stainless Steel Insulation Jacket With Bands	21.97	8.61
22 07 19 00-0377	SF	0.016" Stainless Steel Insulation Jacket With Bands	27.07	10.33

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0378		10 Mil, Type 304 Stainless Steel, Insulation Protective Jacketing With Moisture Barrier And Bands *(22 07 19 00-0374)*		
22 07 19 00-0379	LF	2-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	11.52	1.83
22 07 19 00-0380	LF	2-3/4" ID, 0.010" Stainless Steel Insulation Jacketing	12.03	1.87
22 07 19 00-0381	LF	3" ID, 0.010" Stainless Steel Insulation Jacketing	12.56	1.91
22 07 19 00-0382	LF	3-1/4" ID, 0.010" Stainless Steel Insulation Jacketing	13.10	1.95
22 07 19 00-0383	LF	3-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	13.65	1.99
22 07 19 00-0384	LF	3-3/4" ID, 0.010" Stainless Steel Insulation Jacketing	14.20	2.04
22 07 19 00-0385	LF	4" ID, 0.010" Stainless Steel Insulation Jacketing	14.75	2.08
22 07 19 00-0386	LF	4-1/4" ID, 0.010" Stainless Steel Insulation Jacketing	15.31	2.13
22 07 19 00-0387	LF	4-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	15.87	2.19
22 07 19 00-0388	LF	5" ID, 0.010" Stainless Steel Insulation Jacketing	17.07	2.30
22 07 19 00-0389	LF	5-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	18.29	2.42
22 07 19 00-0390	LF	6" ID, 0.010" Stainless Steel Insulation Jacketing	19.56	2.55
22 07 19 00-0391	LF	6-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	20.59	2.63
22 07 19 00-0392	LF	7" ID, 0.010" Stainless Steel Insulation Jacketing	21.65	2.70
22 07 19 00-0393	LF	7-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	22.79	2.80
22 07 19 00-0394	LF	8" ID, 0.010" Stainless Steel Insulation Jacketing	23.73	2.85
22 07 19 00-0395	LF	8-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	24.68	2.91
22 07 19 00-0396	LF	9" ID, 0.010" Stainless Steel Insulation Jacketing	25.66	2.96
22 07 19 00-0397	LF	9-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	26.63	3.02
22 07 19 00-0398	LF	10" ID, 0.010" Stainless Steel Insulation Jacketing	27.62	3.08
22 07 19 00-0399	LF	10-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	28.62	3.14
22 07 19 00-0400	LF	11" ID, 0.010" Stainless Steel Insulation Jacketing	29.62	3.21
22 07 19 00-0401	LF	12" ID, 0.010" Stainless Steel Insulation Jacketing	31.65	3.35
22 07 19 00-0402	LF	13" ID, 0.010" Stainless Steel Insulation Jacketing	33.66	3.47
22 07 19 00-0403	LF	14" ID, 0.010" Stainless Steel Insulation Jacketing	35.34	3.53
22 07 19 00-0404		16 Mil, Type 304 Stainless Steel, Insulation Protective Jacketing With Moisture Barrier And Bands *(22 07 19 00-0374)*		
22 07 19 00-0405	LF	2-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	15.82	2.45
22 07 19 00-0406	LF	2-3/4" ID, 0.016" Stainless Steel Insulation Jacketing	16.55	2.50
22 07 19 00-0407	LF	3" ID, 0.016" Stainless Steel Insulation Jacketing	17.30	2.55
22 07 19 00-0408	LF	3-1/4" ID, 0.016" Stainless Steel Insulation Jacketing	18.06	2.60
22 07 19 00-0409	LF	3-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	18.83	2.66
22 07 19 00-0410	LF	3-3/4" ID, 0.016" Stainless Steel Insulation Jacketing	19.59	2.72
22 07 19 00-0411	LF	4" ID, 0.016" Stainless Steel Insulation Jacketing	20.39	2.78
22 07 19 00-0412	LF	4-1/4" ID, 0.016" Stainless Steel Insulation Jacketing	21.17	2.84
22 07 19 00-0413	LF	4-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	21.98	2.91
22 07 19 00-0414	LF	5" ID, 0.016" Stainless Steel Insulation Jacketing	23.65	3.05
22 07 19 00-0415	LF	5-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	25.36	3.21
22 07 19 00-0416	LF	6" ID, 0.016" Stainless Steel Insulation Jacketing	27.14	3.39
22 07 19 00-0417	LF	6-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	28.60	3.49
22 07 19 00-0418	LF	7" ID, 0.016" Stainless Steel Insulation Jacketing	30.10	3.59
22 07 19 00-0419	LF	7-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	31.69	3.73
22 07 19 00-0420	LF	8" ID, 0.016" Stainless Steel Insulation Jacketing	33.04	3.80
22 07 19 00-0421	LF	8-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	34.40	3.87
22 07 19 00-0422	LF	9" ID, 0.016" Stainless Steel Insulation Jacketing	35.79	3.94
22 07 19 00-0423	LF	9-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	37.17	4.02
22 07 19 00-0424	LF	10" ID, 0.016" Stainless Steel Insulation Jacketing	38.56	4.10
22 07 19 00-0425	LF	10-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	39.99	4.18
22 07 19 00-0426	LF	11" ID, 0.0106 Stainless Steel Insulation Jacketing	41.40	4.27
22 07 19 00-0427	LF	12" ID, 0.016" Stainless Steel Insulation Jacketing	44.29	4.46
22 07 19 00-0428	LF	13" ID, 0.016" Stainless Steel Insulation Jacketing	47.13	4.62
22 07 19 00-0429	LF	14" ID, 0.016" Stainless Steel Insulation Jacketing	49.55	4.69
22 07 19 00-0430		Type 316 Stainless Steel Insulation Protective Jacketing For Fittings *(22 07 19 00-0374)*		
22 07 19 00-0431	EA	2-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	33.00	3.65
22 07 19 00-0432	EA	2-3/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	33.36	3.74
22 07 19 00-0433	EA	3" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	34.58	3.83
22 07 19 00-0434	EA	3-1/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	34.97	3.93
22 07 19 00-0435	EA	3-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	36.21	3.99
22 07 19 00-0436	EA	3-3/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	37.64	4.07
22 07 19 00-0437	EA	4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	40.21	4.17
22 07 19 00-0438	EA	4-1/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	48.26	4.25
22 07 19 00-0439	EA	4-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	48.58	4.33
22 07 19 00-0440	EA	5" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	49.97	4.50
22 07 19 00-0441	EA	5-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	66.59	4.73
22 07 19 00-0442	EA	6" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	72.28	4.99
22 07 19 00-0443	EA	6-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	93.12	5.28
22 07 19 00-0444	EA	7" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	93.62	5.40
22 07 19 00-0445	EA	7-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	106.20	5.53
22 07 19 00-0446	EA	8" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	107.04	5.74
22 07 19 00-0447	EA	8-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	109.90	5.74
22 07 19 00-0448	EA	9" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	155.78	5.89
22 07 19 00-0449	EA	9-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	153.79	5.96

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0450	EA	10" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	154.11	6.04
22 07 19 00-0451	EA	10-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	179.96	6.12
22 07 19 00-0452	EA	11" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	173.23	6.20
22 07 19 00-0453	EA	12" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	194.36	6.46
22 07 19 00-0454	EA	13" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	260.45	6.76
22 07 19 00-0455	EA	14" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	262.84	6.96
22 07 19 00-0456	EA	2-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	29.93	3.65
22 07 19 00-0457	EA	2-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	30.29	3.74
22 07 19 00-0458	EA	3" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	31.83	3.83
22 07 19 00-0459	EA	3-1/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	32.22	3.93
22 07 19 00-0460	EA	3-1/2" ID Stainless Steel 45 Degree Elbow Insulation Jacketing	32.70	3.99
22 07 19 00-0461	EA	3-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	32.98	4.07
22 07 19 00-0462	EA	4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	38.21	4.17
22 07 19 00-0463	EA	4-1/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	47.20	4.25
22 07 19 00-0464	EA	4-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	47.52	4.33
22 07 19 00-0465	EA	4-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	47.85	4.41
22 07 19 00-0466	EA	5" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	48.71	4.50
22 07 19 00-0467	EA	5-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	49.64	4.73
22 07 19 00-0468	EA	6" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	56.38	4.99
22 07 19 00-0469	EA	6-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	57.53	5.28
22 07 19 00-0470	EA	7" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	83.24	5.40
22 07 19 00-0471	EA	7-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	85.02	5.53
22 07 19 00-0472	EA	8" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	85.29	5.60
22 07 19 00-0473	EA	8-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	96.56	5.74
22 07 19 00-0474	EA	9" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	97.14	5.89
22 07 19 00-0475	EA	9-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	110.26	5.96
22 07 19 00-0476	EA	10" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	110.58	6.04
22 07 19 00-0477	EA	10-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	128.34	6.12
22 07 19 00-0478	EA	11" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	128.67	6.20
22 07 19 00-0479	EA	12" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	138.65	6.46
22 07 19 00-0480	EA	13" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	159.72	6.76
22 07 19 00-0481		Polyvinyl Chloride (PVC) Insulation Protective Jacketing *(22 07 19 00-0001)*		
22 07 19 00-0482		20 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing *(22 07 19 00-0481)*		
22 07 19 00-0483	LF	1-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	8.01	1.70
		For Color (Other than White), Add	*0.23*	
22 07 19 00-0484	LF	2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	8.67	1.76
		For Color (Other than White), Add	*0.31*	
22 07 19 00-0485	LF	2-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	9.27	1.83
		For Color (Other than White), Add	*0.37*	
22 07 19 00-0486	LF	3" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	9.97	1.91
		For Color (Other than White), Add	*0.45*	
22 07 19 00-0487	LF	3-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	10.61	1.99
		For Color (Other than White), Add	*0.50*	
22 07 19 00-0488	LF	4" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	11.32	2.08
		For Color (Other than White), Add	*0.57*	
22 07 19 00-0489	LF	4-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	12.07	2.19
		For Color (Other than White), Add	*0.64*	
22 07 19 00-0490	LF	5" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	12.81	2.30
		For Color (Other than White), Add	*0.70*	
22 07 19 00-0491	LF	5-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	13.65	2.42
		For Color (Other than White), Add	*0.76*	
22 07 19 00-0492	LF	6" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	14.53	2.55
		For Color (Other than White), Add	*0.83*	
22 07 19 00-0493	LF	6-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	15.18	2.63
		For Color (Other than White), Add	*0.90*	
22 07 19 00-0494	LF	7" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	15.79	2.70
		For Color (Other than White), Add	*0.96*	
22 07 19 00-0495	LF	7-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	16.59	2.80
		For Color (Other than White), Add	*1.03*	
22 07 19 00-0496	LF	8" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	17.10	2.85
		For Color (Other than White), Add	*1.09*	
22 07 19 00-0497	LF	8-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	17.67	2.91
		For Color (Other than White), Add	*1.16*	
22 07 19 00-0498	LF	9" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	18.25	2.96
		For Color (Other than White), Add	*1.23*	
22 07 19 00-0499	LF	9-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	18.83	3.02
		For Color (Other than White), Add	*1.30*	
22 07 19 00-0500	LF	10" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	19.39	3.08
		For Color (Other than White), Add	*1.36*	
22 07 19 00-0501	LF	10-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	19.99	3.14
		For Color (Other than White), Add	*1.42*	
22 07 19 00-0502	LF	11" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	20.60	3.21
		For Color (Other than White), Add	*1.49*	
22 07 19 00-0503	LF	11-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	21.23	3.28
		For Color (Other than White), Add	*1.56*	
22 07 19 00-0504	LF	12" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	21.82	3.35
		For Color (Other than White), Add	*1.62*	
22 07 19 00-0505	LF	12-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	22.52	3.42
		For Color (Other than White), Add	*1.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0506	LF	13" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	23.04	3.47
		For Color (Other than White), Add	*1.75*	
22 07 19 00-0507	LF	13-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	23.39	3.47
		For Color (Other than White), Add	*1.82*	
22 07 19 00-0508	LF	14" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	23.96	3.53
		For Color (Other than White), Add	*1.89*	
22 07 19 00-0509	LF	15" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	24.88	3.58
		For Color (Other than White), Add	*2.02*	
22 07 19 00-0510	LF	16" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	25.76	3.65
		For Color (Other than White), Add	*2.15*	
22 07 19 00-0511	LF	17" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	26.70	3.71
		For Color (Other than White), Add	*2.28*	
22 07 19 00-0512	LF	18" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	27.65	3.77
		For Color (Other than White), Add	*2.42*	
22 07 19 00-0513	LF	19" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	28.56	3.83
		For Color (Other than White), Add	*2.54*	
22 07 19 00-0514	LF	20" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	29.53	3.89
		For Color (Other than White), Add	*2.68*	
22 07 19 00-0515	LF	21" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	30.44	3.96
		For Color (Other than White), Add	*2.81*	
22 07 19 00-0516	LF	22" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	31.43	4.03
		For Color (Other than White), Add	*2.94*	
22 07 19 00-0517	LF	23" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	32.37	4.10
		For Color (Other than White), Add	*3.07*	
22 07 19 00-0518	LF	24" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	33.38	4.17
		For Color (Other than White), Add	*3.20*	
22 07 19 00-0519	LF	25" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	34.40	4.25
		For Color (Other than White), Add	*3.34*	
22 07 19 00-0520	LF	26" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	35.37	4.33
		For Color (Other than White), Add	*3.46*	
22 07 19 00-0521	LF	27" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	36.41	4.41
		For Color (Other than White), Add	*3.60*	
22 07 19 00-0522	LF	28" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	37.40	4.50
		For Color (Other than White), Add	*3.72*	
22 07 19 00-0523	LF	29" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	38.48	4.59
		For Color (Other than White), Add	*3.86*	
22 07 19 00-0524	LF	30" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	39.55	4.68
		For Color (Other than White), Add	*4.00*	

22 07 19 00-0525 30 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing *(22 07 19 00-0481)*

22 07 19 00-0526	LF	2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	9.43	1.76
		For Color (Other than White), Add	*0.30*	
22 07 19 00-0527	LF	2-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	10.22	1.83
		For Color (Other than White), Add	*0.37*	
22 07 19 00-0528	LF	3" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	11.08	1.91
		For Color (Other than White), Add	*0.44*	
22 07 19 00-0529	LF	3-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	11.87	1.99
		For Color (Other than White), Add	*0.50*	
22 07 19 00-0530	LF	4" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	12.73	2.08
		For Color (Other than White), Add	*0.56*	
22 07 19 00-0531	LF	4-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	13.63	2.19
		For Color (Other than White), Add	*0.63*	
22 07 19 00-0532	LF	5" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	14.57	2.30
		For Color (Other than White), Add	*0.69*	
22 07 19 00-0533	LF	5-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	15.57	2.42
		For Color (Other than White), Add	*0.76*	
22 07 19 00-0534	LF	6" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	16.60	2.55
		For Color (Other than White), Add	*0.82*	
22 07 19 00-0535	LF	6-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	17.39	2.63
		For Color (Other than White), Add	*0.88*	
22 07 19 00-0536	LF	7" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	18.21	2.70
		For Color (Other than White), Add	*0.95*	
22 07 19 00-0537	LF	7-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	19.16	2.80
		For Color (Other than White), Add	*1.02*	
22 07 19 00-0538	LF	8" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	19.88	2.85
		For Color (Other than White), Add	*1.08*	
22 07 19 00-0539	LF	8-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	20.59	2.91
		For Color (Other than White), Add	*1.15*	
22 07 19 00-0540	LF	9" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	21.32	2.96
		For Color (Other than White), Add	*1.21*	
22 07 19 00-0541	LF	9-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	22.06	3.02
		For Color (Other than White), Add	*1.28*	
22 07 19 00-0542	LF	10" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	22.81	3.08
		For Color (Other than White), Add	*1.34*	
22 07 19 00-0543	LF	10-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	23.57	3.14
		For Color (Other than White), Add	*1.41*	
22 07 19 00-0544	LF	11" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	24.33	3.21
		For Color (Other than White), Add	*1.47*	
22 07 19 00-0545	LF	11-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	25.11	3.28
		For Color (Other than White), Add	*1.53*	
22 07 19 00-0546	LF	12" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	25.90	3.35
		For Color (Other than White), Add	*1.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0547	LF	12-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	26.75	3.42
		For Color (Other than White), Add	*1.67*	
22 07 19 00-0548	LF	13" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	27.48	3.47
		For Color (Other than White), Add	*1.74*	
22 07 19 00-0549	LF	13-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	27.98	3.47
		For Color (Other than White), Add	*1.80*	
22 07 19 00-0550	LF	14" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	28.69	3.53
		For Color (Other than White), Add	*1.86*	
22 07 19 00-0551	LF	15" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	29.92	3.58
		For Color (Other than White), Add	*1.99*	
22 07 19 00-0552	LF	16" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	31.15	3.65
		For Color (Other than White), Add	*2.12*	
22 07 19 00-0553	LF	17" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	32.40	3.71
		For Color (Other than White), Add	*2.25*	
22 07 19 00-0554	LF	18" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	33.70	3.77
		For Color (Other than White), Add	*2.39*	
22 07 19 00-0555	LF	19" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	34.96	3.83
		For Color (Other than White), Add	*2.52*	
22 07 19 00-0556	LF	20" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	36.23	3.89
		For Color (Other than White), Add	*2.64*	
22 07 19 00-0557	LF	21" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	37.50	3.96
		For Color (Other than White), Add	*2.77*	
22 07 19 00-0558	LF	22" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	38.79	4.03
		For Color (Other than White), Add	*2.90*	
22 07 19 00-0559	LF	23" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	40.08	4.10
		For Color (Other than White), Add	*3.03*	
22 07 19 00-0560	LF	24" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	41.39	4.17
		For Color (Other than White), Add	*3.16*	
22 07 19 00-0561	LF	25" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	42.76	4.25
		For Color (Other than White), Add	*3.30*	
22 07 19 00-0562	LF	26" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	44.09	4.33
		For Color (Other than White), Add	*3.43*	
22 07 19 00-0563	LF	27" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	45.43	4.41
		For Color (Other than White), Add	*3.55*	
22 07 19 00-0564	LF	28" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	46.78	4.50
		For Color (Other than White), Add	*3.68*	
22 07 19 00-0565	LF	29" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	48.15	4.59
		For Color (Other than White), Add	*3.81*	
22 07 19 00-0566	LF	30" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	49.53	4.68
		For Color (Other than White), Add	*3.94*	

22 07 19 00-0567 Polyvinyl Chloride (PVC) Insulation Protective Jacketing For Fittings *(22 07 19 00-0481)*

22 07 19 00-0568	EA	1-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	16.37	3.40
		For Color (Other than White), Add	*0.09*	
22 07 19 00-0569	EA	2" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	17.56	3.53
		For Color (Other than White), Add	*0.11*	
22 07 19 00-0570	EA	2-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	18.18	3.58
		For Color (Other than White), Add	*0.12*	
22 07 19 00-0571	EA	2-1/2"ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	18.80	3.65
		For Color (Other than White), Add	*0.13*	
22 07 19 00-0572	EA	2-3/4"ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	19.52	3.74
		For Color (Other than White), Add	*0.14*	
22 07 19 00-0573	EA	3" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	20.15	3.83
		For Color (Other than White), Add	*0.15*	
22 07 19 00-0574	EA	3-3/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	21.32	3.96
		For Color (Other than White), Add	*0.17*	
22 07 19 00-0575	EA	3-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	22.40	4.07
		For Color (Other than White), Add	*0.19*	
22 07 19 00-0576	EA	4-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	24.46	4.17
		For Color (Other than White), Add	*0.24*	
22 07 19 00-0577	EA	4-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	26.86	4.37
		For Color (Other than White), Add	*0.29*	
22 07 19 00-0578	EA	5-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	29.31	4.59
		For Color (Other than White), Add	*0.34*	
22 07 19 00-0579	EA	5-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	33.74	4.83
		For Color (Other than White), Add	*0.45*	
22 07 19 00-0580	EA	6-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	44.44	5.11
		For Color (Other than White), Add	*0.75*	
22 07 19 00-0581	EA	6-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	46.41	5.28
		For Color (Other than White), Add	*0.78*	
22 07 19 00-0582	EA	7-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	53.31	5.40
		For Color (Other than White), Add	*0.98*	
22 07 19 00-0583	EA	7-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	55.38	5.53
		For Color (Other than White), Add	*1.03*	
22 07 19 00-0584	EA	8-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	65.75	5.74
		For Color (Other than White), Add	*1.33*	
22 07 19 00-0585	EA	9-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	81.00	5.96
		For Color (Other than White), Add	*1.77*	
22 07 19 00-0586	EA	10-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	88.62	6.20
		For Color (Other than White), Add	*1.98*	
22 07 19 00-0587	EA	11-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	98.99	6.46
		For Color (Other than White), Add	*2.27*	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0588	EA	12-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	119.34	6.76
		For Color (Other than White), Add	*2.86*	
22 07 19 00-0589	EA	14-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	133.35	6.96
		For Color (Other than White), Add	*3.27*	
22 07 19 00-0590	EA	15-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	142.09	7.17
		For Color (Other than White), Add	*3.52*	
22 07 19 00-0591	EA	16-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	152.92	7.29
		For Color (Other than White), Add	*3.84*	
22 07 19 00-0592	EA	17-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	166.95	7.40
		For Color (Other than White), Add	*4.26*	
22 07 19 00-0593	EA	18-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	207.25	7.52
		For Color (Other than White), Add	*5.49*	
22 07 19 00-0594	EA	19-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	271.10	7.65
		For Color (Other than White), Add	*7.46*	
22 07 19 00-0595	EA	20-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	340.20	7.78
		For Color (Other than White), Add	*9.58*	
22 07 19 00-0596	EA	1-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	16.37	3.40
		For Color (Other than White), Add	*0.09*	
22 07 19 00-0597	EA	2" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	17.56	3.53
		For Color (Other than White), Add	*0.11*	
22 07 19 00-0598	EA	2-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	18.18	3.58
		For Color (Other than White), Add	*0.12*	
22 07 19 00-0599	EA	2-1/2"ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	18.80	3.65
		For Color (Other than White), Add	*0.13*	
22 07 19 00-0600	EA	2-3/4"ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	19.52	3.74
		For Color (Other than White), Add	*0.14*	
22 07 19 00-0601	EA	3" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	20.15	3.83
		For Color (Other than White), Add	*0.15*	
22 07 19 00-0602	EA	3-3/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	21.32	3.96
		For Color (Other than White), Add	*0.17*	
22 07 19 00-0603	EA	3-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	22.40	4.07
		For Color (Other than White), Add	*0.19*	
22 07 19 00-0604	EA	4-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	24.46	4.17
		For Color (Other than White), Add	*0.24*	
22 07 19 00-0605	EA	4-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	26.86	4.37
		For Color (Other than White), Add	*0.29*	
22 07 19 00-0606	EA	5-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	29.31	4.59
		For Color (Other than White), Add	*0.34*	
22 07 19 00-0607	EA	5-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	33.74	4.83
		For Color (Other than White), Add	*0.45*	
22 07 19 00-0608	EA	6-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	44.44	5.11
		For Color (Other than White), Add	*0.75*	
22 07 19 00-0609	EA	6-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	46.41	5.28
		For Color (Other than White), Add	*0.78*	
22 07 19 00-0610	EA	7-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	53.31	5.40
		For Color (Other than White), Add	*0.98*	
22 07 19 00-0611	EA	7-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	55.38	5.53
		For Color (Other than White), Add	*1.03*	
22 07 19 00-0612	EA	8-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	65.75	5.74
		For Color (Other than White), Add	*1.33*	
22 07 19 00-0613	EA	9-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	81.00	5.96
		For Color (Other than White), Add	*1.77*	
22 07 19 00-0614	EA	10-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	88.57	6.20
		For Color (Other than White), Add	*1.98*	
22 07 19 00-0615	EA	11-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	96.17	6.46
		For Color (Other than White), Add	*2.18*	
22 07 19 00-0616	EA	12-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	105.48	6.76
		For Color (Other than White), Add	*2.43*	
22 07 19 00-0617	EA	14-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	117.47	6.96
		For Color (Other than White), Add	*2.78*	
22 07 19 00-0618	EA	15-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	124.91	7.17
		For Color (Other than White), Add	*2.98*	
22 07 19 00-0619	EA	16-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	139.01	7.29
		For Color (Other than White), Add	*3.41*	
22 07 19 00-0620	EA	17-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	153.34	7.40
		For Color (Other than White), Add	*3.84*	
22 07 19 00-0621	EA	18-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	181.30	7.52
		For Color (Other than White), Add	*4.69*	
22 07 19 00-0622	EA	19-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	236.83	7.65
		For Color (Other than White), Add	*6.39*	
22 07 19 00-0623	EA	20-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	264.71	7.78
		For Color (Other than White), Add	*7.24*	
22 07 19 00-0624	EA	1-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	24.37	4.78
		For Color (Other than White), Add	*0.16*	
22 07 19 00-0625	EA	2" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	25.48	4.88
		For Color (Other than White), Add	*0.18*	
22 07 19 00-0626	EA	2-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	26.63	5.04
		For Color (Other than White), Add	*0.20*	
22 07 19 00-0627	EA	2-1/2"ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	27.93	5.22
		For Color (Other than White), Add	*0.22*	
22 07 19 00-0628	EA	2-3/4"ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	29.37	5.40
		For Color (Other than White), Add	*0.24*	
22 07 19 00-0629	EA	3" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	30.81	5.60
		For Color (Other than White), Add	*0.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0630	EA	3-3/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	32.93	5.81
		For Color (Other than White), Add	*0.30*	
22 07 19 00-0631	EA	3-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	35.16	6.04
		For Color (Other than White), Add	*0.34*	
22 07 19 00-0632	EA	4-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	38.15	6.29
		For Color (Other than White), Add	*0.40*	
22 07 19 00-0633	EA	4-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	42.41	6.56
		For Color (Other than White), Add	*0.50*	
22 07 19 00-0634	EA	5-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	46.86	6.86
		For Color (Other than White), Add	*0.60*	
22 07 19 00-0635	EA	5-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	55.00	7.29
		For Color (Other than White), Add	*0.80*	
22 07 19 00-0636	EA	6-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	64.58	7.65
		For Color (Other than White), Add	*1.05*	
22 07 19 00-0637	EA	6-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	73.15	7.78
		For Color (Other than White), Add	*1.30*	
22 07 19 00-0638	EA	7-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	100.15	8.06
		For Color (Other than White), Add	*2.11*	
22 07 19 00-0639	EA	7-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	108.49	8.50
		For Color (Other than White), Add	*2.31*	
22 07 19 00-0640	EA	8-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	125.92	8.83
		For Color (Other than White), Add	*2.81*	
22 07 19 00-0641	EA	9-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	143.57	9.18
		For Color (Other than White), Add	*3.31*	
22 07 19 00-0642	EA	10-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	146.36	9.57
		For Color (Other than White), Add	*3.35*	
22 07 19 00-0643	EA	11-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	159.16	9.77
		For Color (Other than White), Add	*3.72*	
22 07 19 00-0644	EA	12-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	172.02	9.98
		For Color (Other than White), Add	*4.09*	
22 07 19 00-0645	EA	14-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	184.99	10.20
		For Color (Other than White), Add	*4.47*	
22 07 19 00-0646	EA	15-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	197.87	10.43
		For Color (Other than White), Add	*4.84*	
22 07 19 00-0647	EA	16-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	210.87	10.67
		For Color (Other than White), Add	*5.21*	
22 07 19 00-0648	EA	17-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	223.78	10.94
		For Color (Other than White), Add	*5.58*	
22 07 19 00-0649	EA	18-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	243.00	11.20
		For Color (Other than White), Add	*6.14*	
22 07 19 00-0650	EA	19-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	262.17	11.48
		For Color (Other than White), Add	*6.70*	
22 07 19 00-0651	EA	20-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	285.35	11.77
		For Color (Other than White), Add	*7.39*	
22 07 19 00-0652	EA	3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	35.04	3.28
22 07 19 00-0653	EA	1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	35.04	3.28
22 07 19 00-0654	EA	1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	41.37	3.40
22 07 19 00-0655	EA	1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	41.37	3.40
22 07 19 00-0656	EA	2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	57.92	3.53
22 07 19 00-0657	EA	2-1/2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	63.32	3.68
22 07 19 00-0658	EA	3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	69.79	3.83
22 07 19 00-0659	EA	3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	79.02	3.99
22 07 19 00-0660	EA	4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	86.95	4.17
22 07 19 00-0661	EA	5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	105.71	4.59
22 07 19 00-0662	EA	6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	149.41	5.11
22 07 19 00-0663	EA	8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	163.46	5.74
22 07 19 00-0664	EA	10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	204.25	6.12
22 07 19 00-0665	EA	12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	285.54	6.76
22 07 19 00-0666	EA	14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	287.24	7.06
22 07 19 00-0667	EA	16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	381.37	7.29
22 07 19 00-0668	EA	18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	514.52	7.52
22 07 19 00-0669	EA	3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	32.62	3.28
22 07 19 00-0670	EA	1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	32.62	3.28
22 07 19 00-0671	EA	1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	38.45	3.40
22 07 19 00-0672	EA	1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	38.45	3.40
22 07 19 00-0673	EA	2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	53.14	3.53
22 07 19 00-0674	EA	2-1/2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	57.98	3.68
22 07 19 00-0675	EA	3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	63.94	3.83
22 07 19 00-0676	EA	3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	67.27	3.99
22 07 19 00-0677	EA	4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	79.19	4.17
22 07 19 00-0678	EA	5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	96.08	4.59
22 07 19 00-0679	EA	6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	135.25	5.11
22 07 19 00-0680	EA	8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	147.94	5.74
22 07 19 00-0681	EA	10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	184.50	6.12
22 07 19 00-0682	EA	12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	257.27	6.76
22 07 19 00-0683	EA	14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	327.76	7.06
22 07 19 00-0684	EA	16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	392.00	7.29
22 07 19 00-0685	EA	18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	458.38	7.52
22 07 19 00-0686	EA	3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	48.32	4.93
22 07 19 00-0687	EA	1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	48.32	4.93
22 07 19 00-0688	EA	1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	56.48	5.11
22 07 19 00-0689	EA	1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	56.48	5.11
22 07 19 00-0690	EA	2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	78.01	5.28

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22 07 19 00-0691	EA	2-1/2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	85.16	5.47
22 07 19 00-0692	EA	3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	93.77	5.74
22 07 19 00-0693	EA	3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	98.89	5.96
22 07 19 00-0694	EA	4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	116.77	6.29
22 07 19 00-0695	EA	5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	128.35	6.86
22 07 19 00-0696	EA	6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	179.93	7.65
22 07 19 00-0697	EA	8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	195.87	8.50
22 07 19 00-0698	EA	10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	270.47	9.18
22 07 19 00-0699	EA	12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	375.92	9.98
22 07 19 00-0700	EA	14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	448.54	10.67
22 07 19 00-0701	EA	16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	530.55	10.94
22 07 19 00-0702	EA	18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	581.10	11.20

22 07 19 00-0703 Insulation Foam Rubber *(22 07 19)*

22 07 19 00-0704 Covering 4x6 Sheet *(22 07 19 00-0703)*

22 07 19 00-0705	SF	1" Thick Foam Rubber Sheet Insulation	24.39	8.15

22 07 19 00-0706 Fiberglass (Glass Fiber) Pipe Insulation *(22 07 19)*

Note: Includes factory applied All Service Jacket (ASJ), Self Sealing Lap (SSL) longitudinal seam, butt strip seals, and adhesive. Excludes insulation for fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.

22 07 19 00-0707 1/2" Thick Fiberglass Pipe Insulation *(22 07 19 00-0706)*

22 07 19 00-0708	LF	1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	8.77	2.53
		For Single Layer Of Felt Finish, Add	*0.20*	
		For Work In Restricted Working Space, Add	*2.05*	
22 07 19 00-0709	LF	3/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	8.98	2.53
		For Single Layer Of Felt Finish, Add	*0.23*	
		For Work In Restricted Working Space, Add	*2.05*	
22 07 19 00-0710	LF	1" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	9.55	2.64
		For Single Layer Of Felt Finish, Add	*0.24*	
		For Work In Restricted Working Space, Add	*2.17*	
22 07 19 00-0711	LF	1-1/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	9.91	2.76
		For Single Layer Of Felt Finish, Add	*0.27*	
		For Work In Restricted Working Space, Add	*2.21*	
22 07 19 00-0712	LF	1-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	10.20	2.76
		For Single Layer Of Felt Finish, Add	*0.28*	
		For Work In Restricted Working Space, Add	*2.25*	
22 07 19 00-0713	LF	2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	10.81	2.87
		For Single Layer Of Felt Finish, Add	*0.30*	
		For Work In Restricted Working Space, Add	*2.38*	
22 07 19 00-0714	LF	2-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	11.38	2.98
		For Single Layer Of Felt Finish, Add	*0.35*	
		For Work In Restricted Working Space, Add	*2.42*	
22 07 19 00-0715	LF	3" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	12.04	3.10
		For Single Layer Of Felt Finish, Add	*0.39*	
		For Work In Restricted Working Space, Add	*2.50*	
22 07 19 00-0716	LF	4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	13.75	3.33
		For Single Layer Of Felt Finish, Add	*0.50*	
		For Work In Restricted Working Space, Add	*2.71*	
22 07 19 00-0717	LF	6" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	16.26	3.91
		For Single Layer Of Felt Finish, Add	*0.60*	
		For Work In Restricted Working Space, Add	*3.16*	

22 07 19 00-0718 1" Thick Fiberglass Pipe Insulation *(22 07 19 00-0706)*

22 07 19 00-0719	LF	1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	11.74	3.44
		For Single Layer Of Felt Finish, Add	*0.24*	
		For Work In Restricted Working Space, Add	*2.83*	
22 07 19 00-0720	LF	3/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	12.07	3.44
		For Single Layer Of Felt Finish, Add	*0.28*	
		For Work In Restricted Working Space, Add	*2.83*	
22 07 19 00-0721	LF	1" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	12.26	3.44
		For Single Layer Of Felt Finish, Add	*0.28*	
		For Work In Restricted Working Space, Add	*2.87*	
22 07 19 00-0722	LF	1-1/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	12.74	3.55
		For Single Layer Of Felt Finish, Add	*0.32*	
		For Work In Restricted Working Space, Add	*2.91*	
22 07 19 00-0723	LF	1-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	13.11	3.55
		For Single Layer Of Felt Finish, Add	*0.34*	
		For Work In Restricted Working Space, Add	*2.95*	
22 07 19 00-0724	LF	2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	13.68	3.68
		For Single Layer Of Felt Finish, Add	*0.37*	
		For Work In Restricted Working Space, Add	*3.03*	
22 07 19 00-0725	LF	2-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	14.46	3.91
		For Single Layer Of Felt Finish, Add	*0.41*	
		For Work In Restricted Working Space, Add	*3.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0726	LF	3" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	15.24	4.02
		For Single Layer Of Felt Finish, Add	*0.47*	
		For Work In Restricted Working Space, Add	*3.24*	
22 07 19 00-0727	LF	4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	17.35	4.25
		For Single Layer Of Felt Finish, Add	*0.60*	
		For Work In Restricted Working Space, Add	*3.48*	
22 07 19 00-0728	LF	6" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	20.12	4.93
		For Single Layer Of Felt Finish, Add	*0.74*	
		For Work In Restricted Working Space, Add	*3.93*	
22 07 19 00-0729	LF	8" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	25.06	5.51
		For Single Layer Of Felt Finish, Add	*1.05*	
		For Work In Restricted Working Space, Add	*4.51*	
22 07 19 00-0730	LF	10" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	29.46	6.55
		For Single Layer Of Felt Finish, Add	*1.23*	
		For Work In Restricted Working Space, Add	*5.33*	
22 07 19 00-0731	LF	12" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	33.79	7.46
		For Single Layer Of Felt Finish, Add	*1.40*	
		For Work In Restricted Working Space, Add	*6.15*	
22 07 19 00-0732	LF	14" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	36.62	8.15
		For Single Layer Of Felt Finish, Add	*1.62*	
		For Work In Restricted Working Space, Add	*6.37*	

22 07 19 00-0733 1-1/2" Thick Fiberglass Pipe Insulation *(22 07 19 00-0706)*

22 07 19 00-0734	LF	1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	14.51	3.54
		For Single Layer Of Felt Finish, Add	*0.49*	
		For Work In Restricted Working Space, Add	*2.95*	
22 07 19 00-0735	LF	3/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	14.72	3.54
		For Single Layer Of Felt Finish, Add	*0.51*	
		For Work In Restricted Working Space, Add	*2.95*	
22 07 19 00-0736	LF	1" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	15.55	3.76
		For Single Layer Of Felt Finish, Add	*0.54*	
		For Work In Restricted Working Space, Add	*3.12*	
22 07 19 00-0737	LF	1-1/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	16.13	3.84
		For Single Layer Of Felt Finish, Add	*0.58*	
		For Work In Restricted Working Space, Add	*3.18*	
22 07 19 00-0738	LF	1-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	16.63	3.91
		For Single Layer Of Felt Finish, Add	*0.61*	
		For Work In Restricted Working Space, Add	*3.24*	
22 07 19 00-0739	LF	2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	17.75	4.11
		For Single Layer Of Felt Finish, Add	*0.67*	
		For Work In Restricted Working Space, Add	*3.42*	
22 07 19 00-0740	LF	2-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	18.58	4.18
		For Single Layer Of Felt Finish, Add	*0.73*	
		For Work In Restricted Working Space, Add	*3.48*	
22 07 19 00-0741	LF	3" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	19.18	4.33
		For Single Layer Of Felt Finish, Add	*0.76*	
		For Work In Restricted Working Space, Add	*3.59*	
22 07 19 00-0742	LF	4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	21.21	4.68
		For Single Layer Of Felt Finish, Add	*0.87*	
		For Work In Restricted Working Space, Add	*3.89*	
22 07 19 00-0743	LF	6" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	24.54	5.47
		For Single Layer Of Felt Finish, Add	*0.99*	
		For Work In Restricted Working Space, Add	*4.54*	
22 07 19 00-0744	LF	8" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	27.76	5.76
		For Single Layer Of Felt Finish, Add	*1.24*	
		For Work In Restricted Working Space, Add	*4.79*	
22 07 19 00-0745	LF	10" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	33.98	6.90
		For Single Layer Of Felt Finish, Add	*1.56*	
		For Work In Restricted Working Space, Add	*5.73*	
22 07 19 00-0746	LF	12" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	38.44	8.04
		For Single Layer Of Felt Finish, Add	*1.70*	
		For Work In Restricted Working Space, Add	*6.68*	
22 07 19 00-0747	LF	14" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	43.13	8.80
		For Single Layer Of Felt Finish, Add	*1.97*	
		For Work In Restricted Working Space, Add	*7.32*	

22 07 19 00-0748 2" Thick Fiberglass Pipe Insulation *(22 07 19 00-0706)*

22 07 19 00-0749	LF	1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	18.13	3.91
		For Single Layer Of Felt Finish, Add	*0.77*	
		For Work In Restricted Working Space, Add	*3.24*	
22 07 19 00-0750	LF	3/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	18.38	3.91
		For Single Layer Of Felt Finish, Add	*0.80*	
		For Work In Restricted Working Space, Add	*3.24*	
22 07 19 00-0751	LF	1" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	19.05	4.02
		For Single Layer Of Felt Finish, Add	*0.85*	
		For Work In Restricted Working Space, Add	*3.28*	
22 07 19 00-0752	LF	1-1/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	19.64	4.02
		For Single Layer Of Felt Finish, Add	*0.90*	
		For Work In Restricted Working Space, Add	*3.32*	
22 07 19 00-0753	LF	1-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	20.27	4.13
		For Single Layer Of Felt Finish, Add	*0.95*	
		For Work In Restricted Working Space, Add	*3.36*	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0754	LF	2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	21.03	4.25
		For Single Layer Of Felt Finish, Add	*0.99*	
		For Work In Restricted Working Space, Add	*3.48*	
22 07 19 00-0755	LF	2-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	22.14	4.36
		For Single Layer Of Felt Finish, Add	*1.06*	
		For Work In Restricted Working Space, Add	*3.61*	
22 07 19 00-0756	LF	3" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	23.35	4.59
		For Single Layer Of Felt Finish, Add	*1.15*	
		For Work In Restricted Working Space, Add	*3.73*	
22 07 19 00-0757	LF	4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	25.62	4.82
		For Single Layer Of Felt Finish, Add	*1.31*	
		For Work In Restricted Working Space, Add	*3.94*	
22 07 19 00-0758	LF	6" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	30.26	5.66
		For Single Layer Of Felt Finish, Add	*1.52*	
		For Work In Restricted Working Space, Add	*4.72*	
22 07 19 00-0759	LF	8" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	34.55	5.98
		For Single Layer Of Felt Finish, Add	*1.88*	
		For Work In Restricted Working Space, Add	*4.98*	
22 07 19 00-0760	LF	10" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	41.35	7.15
		For Single Layer Of Felt Finish, Add	*2.25*	
		For Work In Restricted Working Space, Add	*5.96*	
22 07 19 00-0761	LF	12" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	47.38	8.57
		For Single Layer Of Felt Finish, Add	*2.48*	
		For Work In Restricted Working Space, Add	*7.14*	
22 07 19 00-0762	LF	14" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	59.88	9.35
		For Single Layer Of Felt Finish, Add	*2.80*	
		For Work In Restricted Working Space, Add	*9.97*	
22 07 19 00-0763	LF	16" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	63.58	10.97
		For Single Layer Of Felt Finish, Add	*3.19*	
		For Work In Restricted Working Space, Add	*9.97*	
22 07 19 00-0764	LF	18" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	70.95	11.51
		For Single Layer Of Felt Finish, Add	*3.79*	
		For Work In Restricted Working Space, Add	*10.46*	
22 07 19 00-0765	LF	20" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	80.35	13.15
		For Single Layer Of Felt Finish, Add	*4.25*	
		For Work In Restricted Working Space, Add	*11.96*	
22 07 19 00-0766	LF	24" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	93.04	15.90
		For Single Layer Of Felt Finish, Add	*4.71*	
		For Work In Restricted Working Space, Add	*14.45*	

22 07 19 00-0767 2-1/2" Thick Fiberglass Pipe Insulation *(22 07 19 00-0706)*

22 07 19 00-0768	LF	1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	22.67	4.59
		For Single Layer Of Felt Finish, Add	*1.07*	
		For Work In Restricted Working Space, Add	*3.74*	
22 07 19 00-0769	LF	3/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	23.02	4.59
		For Single Layer Of Felt Finish, Add	*1.11*	
		For Work In Restricted Working Space, Add	*3.74*	
22 07 19 00-0770	LF	1" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	23.98	4.59
		For Single Layer Of Felt Finish, Add	*1.19*	
		For Work In Restricted Working Space, Add	*3.80*	
22 07 19 00-0771	LF	1-1/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	24.71	4.70
		For Single Layer Of Felt Finish, Add	*1.26*	
		For Work In Restricted Working Space, Add	*3.83*	
22 07 19 00-0772	LF	1-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	25.46	4.70
		For Single Layer Of Felt Finish, Add	*1.33*	
		For Work In Restricted Working Space, Add	*3.85*	
22 07 19 00-0773	LF	2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	26.51	4.93
		For Single Layer Of Felt Finish, Add	*1.38*	
		For Work In Restricted Working Space, Add	*4.01*	
22 07 19 00-0774	LF	2-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	28.06	5.05
		For Single Layer Of Felt Finish, Add	*1.49*	
		For Work In Restricted Working Space, Add	*4.15*	
22 07 19 00-0775	LF	3" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	29.46	5.28
		For Single Layer Of Felt Finish, Add	*1.59*	
		For Work In Restricted Working Space, Add	*4.30*	
22 07 19 00-0776	LF	4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	32.71	5.51
		For Single Layer Of Felt Finish, Add	*1.85*	
		For Work In Restricted Working Space, Add	*4.53*	
22 07 19 00-0777	LF	6" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	37.54	5.85
		For Single Layer Of Felt Finish, Add	*2.14*	
		For Work In Restricted Working Space, Add	*5.15*	
22 07 19 00-0778	LF	8" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	50.84	7.00
		For Single Layer Of Felt Finish, Add	*3.33*	
		For Work In Restricted Working Space, Add	*5.74*	
22 07 19 00-0779	LF	10" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	60.86	8.04
		For Single Layer Of Felt Finish, Add	*4.07*	
		For Work In Restricted Working Space, Add	*6.62*	
22 07 19 00-0780	LF	12" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	68.74	9.99
		For Single Layer Of Felt Finish, Add	*4.34*	
		For Work In Restricted Working Space, Add	*8.23*	
22 07 19 00-0781	LF	14" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	77.93	11.02
		For Single Layer Of Felt Finish, Add	*5.04*	
		For Work In Restricted Working Space, Add	*8.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0782	LF	16" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	91.14	14.01
		For Single Layer Of Felt Finish, Add	*5.55*	
		For Work In Restricted Working Space, Add	*11.48*	
22 07 19 00-0783	LF	18" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	98.20	14.69
		For Single Layer Of Felt Finish, Add	*6.09*	
		For Work In Restricted Working Space, Add	*12.05*	
22 07 19 00-0784	LF	20" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	111.39	16.76
		For Single Layer Of Felt Finish, Add	*6.87*	
		For Work In Restricted Working Space, Add	*13.78*	
22 07 19 00-0785	LF	24" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	130.73	20.25
		For Single Layer Of Felt Finish, Add	*7.90*	
		For Work In Restricted Working Space, Add	*16.64*	

22 07 19 00-0786 3" Thick Fiberglass Pipe Insulation *(22 07 19 00-0706)*

22 07 19 00-0787	LF	1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	24.98	5.08
		For Single Layer Of Felt Finish, Add	*1.18*	
		For Work In Restricted Working Space, Add	*4.13*	
22 07 19 00-0788	LF	3/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	25.36	5.08
		For Single Layer Of Felt Finish, Add	*1.22*	
		For Work In Restricted Working Space, Add	*4.13*	
22 07 19 00-0789	LF	1" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	26.36	5.12
		For Single Layer Of Felt Finish, Add	*1.31*	
		For Work In Restricted Working Space, Add	*4.18*	
22 07 19 00-0790	LF	1-1/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	27.14	5.16
		For Single Layer Of Felt Finish, Add	*1.38*	
		For Work In Restricted Working Space, Add	*4.21*	
22 07 19 00-0791	LF	1-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	28.02	5.22
		For Single Layer Of Felt Finish, Add	*1.45*	
		For Work In Restricted Working Space, Add	*4.25*	
22 07 19 00-0792	LF	2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	29.12	5.41
		For Single Layer Of Felt Finish, Add	*1.52*	
		For Work In Restricted Working Space, Add	*4.41*	
22 07 19 00-0793	LF	2-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	30.81	5.59
		For Single Layer Of Felt Finish, Add	*1.64*	
		For Work In Restricted Working Space, Add	*4.56*	
22 07 19 00-0794	LF	3" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	32.35	5.80
		For Single Layer Of Felt Finish, Add	*1.74*	
		For Work In Restricted Working Space, Add	*4.72*	
22 07 19 00-0795	LF	4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	35.95	6.12
		For Single Layer Of Felt Finish, Add	*2.03*	
		For Work In Restricted Working Space, Add	*4.99*	
22 07 19 00-0796	LF	6" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	41.24	6.95
		For Single Layer Of Felt Finish, Add	*2.35*	
		For Work In Restricted Working Space, Add	*5.66*	
22 07 19 00-0797	LF	8" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	55.82	7.73
		For Single Layer Of Felt Finish, Add	*3.65*	
		For Work In Restricted Working Space, Add	*6.31*	
22 07 19 00-0798	LF	10" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	66.86	8.93
		For Single Layer Of Felt Finish, Add	*4.47*	
		For Work In Restricted Working Space, Add	*7.28*	
22 07 19 00-0799	LF	12" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	75.52	11.10
		For Single Layer Of Felt Finish, Add	*4.76*	
		For Work In Restricted Working Space, Add	*9.05*	
22 07 19 00-0800	LF	14" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	85.60	12.12
		For Single Layer Of Felt Finish, Add	*5.53*	
		For Work In Restricted Working Space, Add	*9.88*	
22 07 19 00-0801	LF	16" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	100.12	15.49
		For Single Layer Of Felt Finish, Add	*6.09*	
		For Work In Restricted Working Space, Add	*12.62*	
22 07 19 00-0802	LF	18" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	107.88	16.26
		For Single Layer Of Felt Finish, Add	*6.69*	
		For Work In Restricted Working Space, Add	*13.26*	
22 07 19 00-0803	LF	20" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	122.38	18.60
		For Single Layer Of Felt Finish, Add	*7.54*	
		For Work In Restricted Working Space, Add	*15.16*	
22 07 19 00-0804	LF	24" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	143.63	22.45
		For Single Layer Of Felt Finish, Add	*8.67*	
		For Work In Restricted Working Space, Add	*18.31*	

22 07 19 00-0805 3-1/2" Thick Fiberglass Pipe Insulation *(22 07 19 00-0706)*

22 07 19 00-0806	LF	1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	26.89	5.51
		For Single Layer Of Felt Finish, Add	*1.24*	
		For Work In Restricted Working Space, Add	*4.53*	
22 07 19 00-0807	LF	3/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	27.33	5.51
		For Single Layer Of Felt Finish, Add	*1.28*	
		For Work In Restricted Working Space, Add	*4.53*	
22 07 19 00-0808	LF	1" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	28.79	5.51
		For Single Layer Of Felt Finish, Add	*1.43*	
		For Work In Restricted Working Space, Add	*4.56*	
22 07 19 00-0809	LF	1-1/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	29.63	5.63
		For Single Layer Of Felt Finish, Add	*1.50*	
		For Work In Restricted Working Space, Add	*4.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0810	LF	1-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	30.63	5.63
		For Single Layer Of Felt Finish, Add	*1.59*	
		For Work In Restricted Working Space, Add	*4.65*	
22 07 19 00-0811	LF	2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	31.78	5.85
		For Single Layer Of Felt Finish, Add	*1.66*	
		For Work In Restricted Working Space, Add	*4.80*	
22 07 19 00-0812	LF	2-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	33.63	6.08
		For Single Layer Of Felt Finish, Add	*1.79*	
		For Work In Restricted Working Space, Add	*4.97*	
22 07 19 00-0813	LF	3" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	35.20	6.31
		For Single Layer Of Felt Finish, Add	*1.89*	
		For Work In Restricted Working Space, Add	*5.15*	
22 07 19 00-0814	LF	4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	39.29	6.66
		For Single Layer Of Felt Finish, Add	*2.22*	
		For Work In Restricted Working Space, Add	*5.44*	
22 07 19 00-0815	LF	6" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	45.03	7.57
		For Single Layer Of Felt Finish, Add	*2.57*	
		For Work In Restricted Working Space, Add	*6.18*	
22 07 19 00-0816	LF	8" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	60.97	8.38
		For Single Layer Of Felt Finish, Add	*3.99*	
		For Work In Restricted Working Space, Add	*6.88*	
22 07 19 00-0817	LF	10" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	73.03	9.65
		For Single Layer Of Felt Finish, Add	*4.89*	
		For Work In Restricted Working Space, Add	*7.94*	
22 07 19 00-0818	LF	12" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	82.48	12.05
		For Single Layer Of Felt Finish, Add	*5.20*	
		For Work In Restricted Working Space, Add	*9.87*	
22 07 19 00-0819	LF	14" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	93.53	13.20
		For Single Layer Of Felt Finish, Add	*6.05*	
		For Work In Restricted Working Space, Add	*10.78*	
22 07 19 00-0820	LF	16" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	109.39	16.76
		For Single Layer Of Felt Finish, Add	*6.67*	
		For Work In Restricted Working Space, Add	*13.77*	
22 07 19 00-0821	LF	18" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	117.83	17.67
		For Single Layer Of Felt Finish, Add	*7.31*	
		For Work In Restricted Working Space, Add	*14.46*	
22 07 19 00-0822	LF	20" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	133.72	20.20
		For Single Layer Of Felt Finish, Add	*8.25*	
		For Work In Restricted Working Space, Add	*16.54*	
22 07 19 00-0823	LF	24" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	156.90	24.34
		For Single Layer Of Felt Finish, Add	*9.48*	
		For Work In Restricted Working Space, Add	*19.97*	

22 07 19 00-0824 4" Thick Fiberglass Pipe Insulation *(22 07 19 00-0706)*

22 07 19 00-0825	LF	1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	30.54	6.20
		For Single Layer Of Felt Finish, Add	*1.45*	
		For Work In Restricted Working Space, Add	*5.03*	
22 07 19 00-0826	LF	3/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	31.03	6.20
		For Single Layer Of Felt Finish, Add	*1.50*	
		For Work In Restricted Working Space, Add	*5.03*	
22 07 19 00-0827	LF	1" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	32.34	6.20
		For Single Layer Of Felt Finish, Add	*1.60*	
		For Work In Restricted Working Space, Add	*5.12*	
22 07 19 00-0828	LF	1-1/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	33.41	6.31
		For Single Layer Of Felt Finish, Add	*1.70*	
		For Work In Restricted Working Space, Add	*5.18*	
22 07 19 00-0829	LF	1-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	34.82	6.55
		For Single Layer Of Felt Finish, Add	*1.79*	
		For Work In Restricted Working Space, Add	*5.34*	
22 07 19 00-0830	LF	2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	36.11	6.78
		For Single Layer Of Felt Finish, Add	*1.86*	
		For Work In Restricted Working Space, Add	*5.51*	
22 07 19 00-0831	LF	2-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	37.83	6.78
		For Single Layer Of Felt Finish, Add	*2.01*	
		For Work In Restricted Working Space, Add	*5.59*	
22 07 19 00-0832	LF	3" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	39.77	7.12
		For Single Layer Of Felt Finish, Add	*2.15*	
		For Work In Restricted Working Space, Add	*5.80*	
22 07 19 00-0833	LF	4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	44.16	7.46
		For Single Layer Of Felt Finish, Add	*2.50*	
		For Work In Restricted Working Space, Add	*6.12*	
22 07 19 00-0834	LF	6" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	50.65	8.50
		For Single Layer Of Felt Finish, Add	*2.89*	
		For Work In Restricted Working Space, Add	*6.94*	
22 07 19 00-0835	LF	8" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	68.60	9.18
		For Single Layer Of Felt Finish, Add	*4.49*	
		For Work In Restricted Working Space, Add	*7.74*	
22 07 19 00-0836	LF	10" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	82.17	10.91
		For Single Layer Of Felt Finish, Add	*5.50*	
		For Work In Restricted Working Space, Add	*8.94*	
22 07 19 00-0837	LF	12" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	92.81	13.54
		For Single Layer Of Felt Finish, Add	*5.86*	
		For Work In Restricted Working Space, Add	*11.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0838	LF	14" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	105.25	14.80
		For Single Layer Of Felt Finish, Add	*6.81*	
		For Work In Restricted Working Space, Add	*12.13*	
22 07 19 00-0839	LF	16" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	123.12	18.94
		For Single Layer Of Felt Finish, Add	*7.50*	
		For Work In Restricted Working Space, Add	*15.51*	
22 07 19 00-0840	LF	18" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	132.52	19.86
		For Single Layer Of Felt Finish, Add	*8.23*	
		For Work In Restricted Working Space, Add	*16.25*	
22 07 19 00-0841	LF	20" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	148.38	22.73
		For Single Layer Of Felt Finish, Add	*9.07*	
		For Work In Restricted Working Space, Add	*18.60*	
22 07 19 00-0842	LF	24" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	176.54	27.43
		For Single Layer Of Felt Finish, Add	*10.67*	
		For Work In Restricted Working Space, Add	*22.48*	
22 07 19 00-0843	LF	26" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	201.04	32.36
		For Single Layer Of Felt Finish, Add	*11.84*	
		For Work In Restricted Working Space, Add	*26.49*	
22 07 19 00-0844	LF	28" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	225.79	38.10
		For Single Layer Of Felt Finish, Add	*12.79*	
		For Work In Restricted Working Space, Add	*31.19*	
22 07 19 00-0845	LF	30" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	253.50	44.99
		For Single Layer Of Felt Finish, Add	*13.69*	
		For Work In Restricted Working Space, Add	*36.95*	
22 07 19 00-0846	LF	36" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	304.68	57.20
		For Single Layer Of Felt Finish, Add	*15.55*	
		For Work In Restricted Working Space, Add	*46.98*	
22 07 19 00-0847	LF	42" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	355.86	69.67
		For Single Layer Of Felt Finish, Add	*17.41*	
		For Work In Restricted Working Space, Add	*57.01*	
22 07 19 00-0848	LF	44" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	381.69	76.56
		For Single Layer Of Felt Finish, Add	*18.08*	
		For Work In Restricted Working Space, Add	*62.84*	
22 07 19 00-0849	LF	46" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	405.10	82.41
		For Single Layer Of Felt Finish, Add	*18.81*	
		For Work In Restricted Working Space, Add	*67.79*	

22 07 19 00-0850 Foamglas (Cellular Glass) Pipe Insulation, Rigid, Closed Cell *(22 07 19)*

Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.

22 07 19 00-0851 1" Thick Foamglas Pipe Insulation *(22 07 19 00-0850)*

22 07 19 00-0852	LF	1/2" Diameter Pipe, 1" Thick Foamglas Insulation	20.33	5.60
		For Work In Restricted Working Space, Add	*5.09*	
22 07 19 00-0853	LF	3/4" Diameter Pipe, 1" Thick Foamglas Insulation	21.18	5.60
		For Work In Restricted Working Space, Add	*5.09*	
22 07 19 00-0854	LF	1" Diameter Pipe, 1" Thick Foamglas Insulation	22.29	5.68
		For Work In Restricted Working Space, Add	*5.16*	
22 07 19 00-0855	LF	1-1/4" Diameter Pipe, 1" Thick Foamglas Insulation	22.82	5.76
		For Work In Restricted Working Space, Add	*5.24*	
22 07 19 00-0856	LF	1-1/2" Diameter Pipe, 1" Thick Foamglas Insulation	23.64	5.84
		For Work In Restricted Working Space, Add	*5.31*	
22 07 19 00-0857	LF	2" Diameter Pipe, 1" Thick Foamglas Insulation	25.23	6.00
		For Work In Restricted Working Space, Add	*5.46*	
22 07 19 00-0858	LF	2-1/2" Diameter Pipe, 1" Thick Foamglas Insulation	27.19	6.25
		For Work In Restricted Working Space, Add	*5.69*	
22 07 19 00-0859	LF	3" Diameter Pipe, 1" Thick Foamglas Insulation	29.35	6.41
		For Work In Restricted Working Space, Add	*5.83*	
22 07 19 00-0860	LF	4" Diameter Pipe, 1" Thick Foamglas Insulation	33.97	6.90
		For Work In Restricted Working Space, Add	*6.27*	
22 07 19 00-0861	LF	6" Diameter Pipe, 1" Thick Foamglas Insulation	43.34	7.78
		For Work In Restricted Working Space, Add	*7.08*	

22 07 19 00-0862 1-1/2" Thick Foamglas Pipe Insulation *(22 07 19 00-0850)*

22 07 19 00-0863	LF	1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	24.14	6.21
		For Work In Restricted Working Space, Add	*5.46*	
22 07 19 00-0864	LF	3/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	24.68	6.21
		For Work In Restricted Working Space, Add	*5.46*	
22 07 19 00-0865	LF	1" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	25.47	6.29
		For Work In Restricted Working Space, Add	*5.54*	
22 07 19 00-0866	LF	1-1/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	26.09	6.37
		For Work In Restricted Working Space, Add	*5.61*	
22 07 19 00-0867	LF	1-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	26.68	6.45
		For Work In Restricted Working Space, Add	*5.68*	
22 07 19 00-0868	LF	2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	28.97	6.67
		For Work In Restricted Working Space, Add	*5.87*	
22 07 19 00-0869	LF	2-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	32.86	6.92
		For Work In Restricted Working Space, Add	*6.09*	
22 07 19 00-0870	LF	3" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	36.34	7.13
		For Work In Restricted Working Space, Add	*6.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0871	LF	4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	41.20	7.58
		For Work In Restricted Working Space, Add	*6.68*	
22 07 19 00-0872	LF	6" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	48.56	8.60
		For Work In Restricted Working Space, Add	*7.56*	
22 07 19 00-0873	LF	8" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	54.32	9.59
		For Work In Restricted Working Space, Add	*8.43*	
22 07 19 00-0874	LF	10" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	65.96	11.06
		For Work In Restricted Working Space, Add	*9.72*	
22 07 19 00-0875	LF	12" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	78.19	13.73
		For Work In Restricted Working Space, Add	*12.08*	
22 07 19 00-0876	LF	14" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	86.93	14.45
		For Work In Restricted Working Space, Add	*13.13*	
22 07 19 00-0877	LF	16" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	95.66	16.14
		For Work In Restricted Working Space, Add	*14.67*	
22 07 19 00-0878	LF	18" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	108.32	19.09
		For Work In Restricted Working Space, Add	*17.36*	
22 07 19 00-0879	LF	20" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	121.04	21.14
		For Work In Restricted Working Space, Add	*19.22*	
22 07 19 00-0880	LF	24" Diameter Pipe, 1-1/2" Thick Fiberglass Insulation	151.49	23.41
		For Work In Restricted Working Space, Add	*21.29*	

22 07 19 00-0881 2" Thick Foamglas Pipe Insulation *(22 07 19 00-0850)*

22 07 19 00-0882	LF	1/2" Diameter Pipe, 2" Thick Foamglas Insulation	27.18	6.41
		For Work In Restricted Working Space, Add	*5.83*	
22 07 19 00-0883	LF	3/4" Diameter Pipe, 2" Thick Foamglas Insulation	28.02	6.41
		For Work In Restricted Working Space, Add	*5.83*	
22 07 19 00-0884	LF	1" Diameter Pipe, 2" Thick Foamglas Insulation	29.09	6.48
		For Work In Restricted Working Space, Add	*5.90*	
22 07 19 00-0885	LF	1-1/4" Diameter Pipe, 2" Thick Foamglas Insulation	30.65	6.58
		For Work In Restricted Working Space, Add	*5.98*	
22 07 19 00-0886	LF	1-1/2" Diameter Pipe, 2" Thick Foamglas Insulation	32.23	6.66
		For Work In Restricted Working Space, Add	*6.05*	
22 07 19 00-0887	LF	2" Diameter Pipe, 2" Thick Foamglas Insulation	36.09	6.90
		For Work In Restricted Working Space, Add	*6.27*	
22 07 19 00-0888	LF	2-1/2" Diameter Pipe, 2" Thick Foamglas Insulation	37.87	7.15
		For Work In Restricted Working Space, Add	*6.50*	
22 07 19 00-0889	LF	3" Diameter Pipe, 2" Thick Foamglas Insulation	40.67	7.38
		For Work In Restricted Working Space, Add	*6.71*	
22 07 19 00-0890	LF	4" Diameter Pipe, 2" Thick Foamglas Insulation	45.86	7.79
		For Work In Restricted Working Space, Add	*7.08*	
22 07 19 00-0891	LF	6" Diameter Pipe, 2" Thick Foamglas Insulation	54.92	8.85
		For Work In Restricted Working Space, Add	*8.04*	
22 07 19 00-0892	LF	8" Diameter Pipe, 2" Thick Foamglas Insulation	61.13	9.87
		For Work In Restricted Working Space, Add	*8.97*	
22 07 19 00-0893	LF	10" Diameter Pipe, 2" Thick Foamglas Insulation	74.49	11.38
		For Work In Restricted Working Space, Add	*10.34*	
22 07 19 00-0894	LF	12" Diameter Pipe, 2" Thick Foamglas Insulation	92.26	14.14
		For Work In Restricted Working Space, Add	*12.86*	
22 07 19 00-0895	LF	14" Diameter Pipe, 2" Thick Foamglas Insulation	98.52	15.44
		For Work In Restricted Working Space, Add	*14.03*	
22 07 19 00-0896	LF	16" Diameter Pipe, 2" Thick Foamglas Insulation	116.26	19.73
		For Work In Restricted Working Space, Add	*17.94*	
22 07 19 00-0897	LF	18" Diameter Pipe, 2" Thick Foamglas Insulation	126.87	20.71
		For Work In Restricted Working Space, Add	*18.83*	
22 07 19 00-0898	LF	20" Diameter Pipe, 2" Thick Foamglas Insulation	140.24	23.68
		For Work In Restricted Working Space, Add	*21.53*	
22 07 19 00-0899	LF	24" Diameter Pipe, 2" Thick Foamglas Insulation	176.07	28.61
		For Work In Restricted Working Space, Add	*26.01*	

22 07 19 00-0900 2-1/2" Thick Foamglas Pipe Insulation *(22 07 19 00-0850)*

22 07 19 00-0901	LF	1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	33.14	6.96
		For Work In Restricted Working Space, Add	*6.32*	
22 07 19 00-0902	LF	3/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	34.55	6.95
		For Work In Restricted Working Space, Add	*6.32*	
22 07 19 00-0903	LF	1" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	36.33	7.06
		For Work In Restricted Working Space, Add	*6.42*	
22 07 19 00-0904	LF	1-1/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	37.92	7.12
		For Work In Restricted Working Space, Add	*6.47*	
22 07 19 00-0905	LF	1-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	39.52	7.17
		For Work In Restricted Working Space, Add	*6.52*	
22 07 19 00-0906	LF	2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	42.40	7.46
		For Work In Restricted Working Space, Add	*6.79*	
22 07 19 00-0907	LF	2-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	45.15	7.72
		For Work In Restricted Working Space, Add	*7.02*	
22 07 19 00-0908	LF	3" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	49.09	7.99
		For Work In Restricted Working Space, Add	*7.27*	
22 07 19 00-0909	LF	4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	55.11	8.43
		For Work In Restricted Working Space, Add	*7.66*	
22 07 19 00-0910	LF	6" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	65.97	9.59
		For Work In Restricted Working Space, Add	*8.71*	
22 07 19 00-0911	LF	8" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	73.51	10.68
		For Work In Restricted Working Space, Add	*9.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0912	LF	10" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	83.85	12.31
		For Work In Restricted Working Space, Add	*11.20*	
22 07 19 00-0913	LF	12" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	104.41	15.32
		For Work In Restricted Working Space, Add	*13.92*	
22 07 19 00-0914	LF	14" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	108.75	16.72
		For Work In Restricted Working Space, Add	*15.20*	
22 07 19 00-0915	LF	16" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	127.94	21.36
		For Work In Restricted Working Space, Add	*19.42*	
22 07 19 00-0916	LF	18" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	139.26	22.42
		For Work In Restricted Working Space, Add	*20.39*	
22 07 19 00-0917	LF	20" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	160.15	25.63
		For Work In Restricted Working Space, Add	*23.31*	
22 07 19 00-0918	LF	24" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	200.76	30.98
		For Work In Restricted Working Space, Add	*28.16*	

22 07 19 00-0919 3" Thick Foamglas Pipe Insulation *(22 07 19 00-0850)*

22 07 19 00-0920	LF	1/2" Diameter Pipe, 3" Thick Foamglas Insulation	40.20	7.39
		For Work In Restricted Working Space, Add	*6.72*	
22 07 19 00-0921	LF	3/4" Diameter Pipe, 3" Thick Foamglas Insulation	41.06	7.39
		For Work In Restricted Working Space, Add	*6.72*	
22 07 19 00-0922	LF	1" Diameter Pipe, 3" Thick Foamglas Insulation	42.29	7.52
		For Work In Restricted Working Space, Add	*6.83*	
22 07 19 00-0923	LF	1-1/4" Diameter Pipe, 3" Thick Foamglas Insulation	43.30	7.56
		For Work In Restricted Working Space, Add	*6.88*	
22 07 19 00-0924	LF	1-1/2" Diameter Pipe, 3" Thick Foamglas Insulation	44.36	7.63
		For Work In Restricted Working Space, Add	*6.94*	
22 07 19 00-0925	LF	2" Diameter Pipe, 3" Thick Foamglas Insulation	47.72	7.94
		For Work In Restricted Working Space, Add	*7.22*	
22 07 19 00-0926	LF	2-1/2" Diameter Pipe, 3" Thick Foamglas Insulation	50.94	8.22
		For Work In Restricted Working Space, Add	*7.47*	
22 07 19 00-0927	LF	3" Diameter Pipe, 3" Thick Foamglas Insulation	58.04	8.51
		For Work In Restricted Working Space, Add	*7.73*	
22 07 19 00-0928	LF	4" Diameter Pipe, 3" Thick Foamglas Insulation	66.38	8.96
		For Work In Restricted Working Space, Add	*8.15*	
22 07 19 00-0929	LF	6" Diameter Pipe, 3" Thick Foamglas Insulation	72.61	10.19
		For Work In Restricted Working Space, Add	*9.26*	
22 07 19 00-0930	LF	8" Diameter Pipe, 3" Thick Foamglas Insulation	82.04	11.36
		For Work In Restricted Working Space, Add	*10.34*	
22 07 19 00-0931	LF	10" Diameter Pipe, 3" Thick Foamglas Insulation	97.96	13.11
		For Work In Restricted Working Space, Add	*11.91*	
22 07 19 00-0932	LF	12" Diameter Pipe, 3" Thick Foamglas Insulation	113.57	16.28
		For Work In Restricted Working Space, Add	*14.81*	
22 07 19 00-0933	LF	14" Diameter Pipe, 3" Thick Foamglas Insulation	121.54	17.78
		For Work In Restricted Working Space, Add	*16.16*	
22 07 19 00-0934	LF	16" Diameter Pipe, 3" Thick Foamglas Insulation	144.80	22.73
		For Work In Restricted Working Space, Add	*20.66*	
22 07 19 00-0935	LF	18" Diameter Pipe, 3" Thick Foamglas Insulation	155.10	23.86
		For Work In Restricted Working Space, Add	*21.69*	
22 07 19 00-0936	LF	20" Diameter Pipe, 3" Thick Foamglas Insulation	181.91	27.27
		For Work In Restricted Working Space, Add	*24.79*	
22 07 19 00-0937	LF	24" Diameter Pipe, 3" Thick Foamglas Insulation	222.47	32.96
		For Work In Restricted Working Space, Add	*29.96*	

22 07 19 00-0938 3-1/2" Thick Foamglas Pipe Insulation *(22 07 19 00-0850)*

22 07 19 00-0939	LF	1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	48.41	8.96
		For Work In Restricted Working Space, Add	*8.15*	
22 07 19 00-0940	LF	3/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	49.49	8.96
		For Work In Restricted Working Space, Add	*8.15*	
22 07 19 00-0941	LF	1" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	50.74	9.02
		For Work In Restricted Working Space, Add	*8.21*	
22 07 19 00-0942	LF	1-1/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	51.98	9.08
		For Work In Restricted Working Space, Add	*8.26*	
22 07 19 00-0943	LF	1-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	53.42	9.19
		For Work In Restricted Working Space, Add	*8.36*	
22 07 19 00-0944	LF	2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	58.90	9.52
		For Work In Restricted Working Space, Add	*8.65*	
22 07 19 00-0945	LF	2-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	64.45	9.85
		For Work In Restricted Working Space, Add	*8.95*	
22 07 19 00-0946	LF	3" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	68.11	10.19
		For Work In Restricted Working Space, Add	*9.26*	
22 07 19 00-0947	LF	4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	72.98	10.77
		For Work In Restricted Working Space, Add	*9.80*	
22 07 19 00-0948	LF	6" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	84.05	12.23
		For Work In Restricted Working Space, Add	*11.12*	
22 07 19 00-0949	LF	8" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	95.63	13.62
		For Work In Restricted Working Space, Add	*12.38*	
22 07 19 00-0950	LF	10" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	114.52	15.73
		For Work In Restricted Working Space, Add	*14.30*	
22 07 19 00-0951	LF	12" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	135.10	19.54
		For Work In Restricted Working Space, Add	*17.77*	
22 07 19 00-0952	LF	14" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	140.71	21.34
		For Work In Restricted Working Space, Add	*19.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0953	LF	16" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	168.27	27.27
		For Work In Restricted Working Space, Add	*24.79*	
22 07 19 00-0954	LF	18" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	185.27	28.64
		For Work In Restricted Working Space, Add	*26.03*	
22 07 19 00-0955	LF	20" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	210.90	32.75
		For Work In Restricted Working Space, Add	*29.78*	
22 07 19 00-0956	LF	24" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	259.13	39.54
		For Work In Restricted Working Space, Add	*35.95*	

22 07 19 00-0957 4" Thick Foamglas Pipe Insulation *(22 07 19 00-0850)*

22 07 19 00-0958	LF	1/2" Diameter Pipe, 4" Thick Foamglas Insulation	58.93	11.02
		For Work In Restricted Working Space, Add	*10.01*	
22 07 19 00-0959	LF	3/4" Diameter Pipe, 4" Thick Foamglas Insulation	60.31	11.02
		For Work In Restricted Working Space, Add	*10.01*	
22 07 19 00-0960	LF	1" Diameter Pipe, 4" Thick Foamglas Insulation	62.27	11.21
		For Work In Restricted Working Space, Add	*10.19*	
22 07 19 00-0961	LF	1-1/4" Diameter Pipe, 4" Thick Foamglas Insulation	64.05	11.34
		For Work In Restricted Working Space, Add	*10.31*	
22 07 19 00-0962	LF	1-1/2" Diameter Pipe, 4" Thick Foamglas Insulation	66.52	11.70
		For Work In Restricted Working Space, Add	*10.63*	
22 07 19 00-0963	LF	2" Diameter Pipe, 4" Thick Foamglas Insulation	72.00	12.05
		For Work In Restricted Working Space, Add	*10.96*	
22 07 19 00-0964	LF	2-1/2" Diameter Pipe, 4" Thick Foamglas Insulation	76.94	12.24
		For Work In Restricted Working Space, Add	*11.13*	
22 07 19 00-0965	LF	3" Diameter Pipe, 4" Thick Foamglas Insulation	80.82	12.70
		For Work In Restricted Working Space, Add	*11.54*	
22 07 19 00-0966	LF	4" Diameter Pipe, 4" Thick Foamglas Insulation	88.26	14.15
		For Work In Restricted Working Space, Add	*12.87*	
22 07 19 00-0967	LF	6" Diameter Pipe, 4" Thick Foamglas Insulation	102.37	15.19
		For Work In Restricted Working Space, Add	*13.82*	
22 07 19 00-0968	LF	8" Diameter Pipe, 4" Thick Foamglas Insulation	115.76	16.48
		For Work In Restricted Working Space, Add	*14.98*	
22 07 19 00-0969	LF	10" Diameter Pipe, 4" Thick Foamglas Insulation	132.40	19.59
		For Work In Restricted Working Space, Add	*17.80*	
22 07 19 00-0970	LF	12" Diameter Pipe, 4" Thick Foamglas Insulation	154.32	24.32
		For Work In Restricted Working Space, Add	*22.11*	
22 07 19 00-0971	LF	14" Diameter Pipe, 4" Thick Foamglas Insulation	167.77	26.56
		For Work In Restricted Working Space, Add	*24.15*	
22 07 19 00-0972	LF	16" Diameter Pipe, 4" Thick Foamglas Insulation	198.52	33.96
		For Work In Restricted Working Space, Add	*30.88*	
22 07 19 00-0973	LF	18" Diameter Pipe, 4" Thick Foamglas Insulation	221.42	35.60
		For Work In Restricted Working Space, Add	*32.36*	
22 07 19 00-0974	LF	20" Diameter Pipe, 4" Thick Foamglas Insulation	248.00	40.73
		For Work In Restricted Working Space, Add	*37.03*	
22 07 19 00-0975	LF	24" Diameter Pipe, 4" Thick Foamglas Insulation	315.18	49.22
		For Work In Restricted Working Space, Add	*44.74*	

22 07 19 00-0976 Polyisocyanurate Pipe Insulation *(22 07 19)*

Note: Dow Trymer insulation with Saran vapor wrap. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.

22 07 19 00-0977 1/2" Thick Polyisocyanurate Pipe Insulation *(22 07 19 00-0976)*

22 07 19 00-0978	LF	1/2" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	10.58	2.64
22 07 19 00-0979	LF	3/4" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	11.77	2.76
22 07 19 00-0980	LF	1" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	12.42	2.98
22 07 19 00-0981	LF	1-1/4" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	13.09	3.10
22 07 19 00-0982	LF	1-1/2" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	13.51	3.10
22 07 19 00-0983	LF	2" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	14.29	3.21
22 07 19 00-0984	LF	2-1/2" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	15.35	3.33
22 07 19 00-0985	LF	3" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	16.39	3.55
22 07 19 00-0986	LF	4" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	19.30	4.25
22 07 19 00-0987	LF	6" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	23.17	4.82
22 07 19 00-0988	LF	8" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	27.44	5.63
22 07 19 00-0989	LF	10" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	31.02	6.08
22 07 19 00-0990	LF	12" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	36.80	7.46

22 07 19 00-0991 1" Thick Polyisocyanurate Pipe Insulation *(22 07 19 00-0976)*

22 07 19 00-0992	LF	1/2" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	12.53	2.76
22 07 19 00-0993	LF	3/4" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	14.18	2.98
22 07 19 00-0994	LF	1" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	14.97	3.10
22 07 19 00-0995	LF	1-1/4" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	15.83	3.21
22 07 19 00-0996	LF	1-1/2" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	16.54	3.33
22 07 19 00-0997	LF	2" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	17.55	3.33
22 07 19 00-0998	LF	2-1/2" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	18.92	3.55
22 07 19 00-0999	LF	3" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	20.38	3.79
22 07 19 00-1000	LF	4" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	24.07	4.48
22 07 19 00-1001	LF	6" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	30.45	5.63
22 07 19 00-1002	LF	8" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	36.63	6.66

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1003	LF	10" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	41.98	7.46
22 07 19 00-1004	LF	12" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	47.47	8.38
22 07 19 00-1005		**1-1/2" Thick Polyisocyanurate Pipe Insulation** *(22 07 19 00-0976)*		
22 07 19 00-1006	LF	3/4" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	16.10	3.10
22 07 19 00-1007	LF	1" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	17.04	3.21
22 07 19 00-1008	LF	1-1/4" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	18.10	3.33
22 07 19 00-1009	LF	1-1/2" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	18.93	3.44
22 07 19 00-1010	LF	2" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	20.16	3.55
22 07 19 00-1011	LF	2-1/2" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	21.88	3.79
22 07 19 00-1012	LF	3" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	23.57	3.91
22 07 19 00-1013	LF	4" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	27.89	4.82
22 07 19 00-1014	LF	6" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	35.68	6.08
22 07 19 00-1015	LF	8" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	43.41	7.46
22 07 19 00-1016	LF	10" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	50.03	8.38
22 07 19 00-1017	LF	12" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	55.31	8.95
22 07 19 00-1018		**2" Thick Polyisocyanurate Pipe Insulation** *(22 07 19 00-0976)*		
22 07 19 00-1019	LF	3/4" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	20.90	3.21
22 07 19 00-1020	LF	1" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	22.22	3.33
22 07 19 00-1021	LF	1-1/4" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	23.42	3.55
22 07 19 00-1022	LF	1-1/2" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	24.42	3.55
22 07 19 00-1023	LF	2" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	25.35	3.79
22 07 19 00-1024	LF	2-1/2" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	27.50	4.02
22 07 19 00-1025	LF	3" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	28.94	4.25
22 07 19 00-1026	LF	4" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	34.45	5.17
22 07 19 00-1027	LF	6" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	41.84	6.66
22 07 19 00-1028	LF	8" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	54.83	8.38
22 07 19 00-1029	LF	10" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	58.15	9.65
22 07 19 00-1030	LF	12" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	63.38	10.33
22 07 19 00-1031		**Flexible Polyethylene Tubing Closed Cell Foam Insulation** *(22 07 19)* Note: UV resistant standard temperature (-90 Degree F To +212 Degree F). For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.		
22 07 19 00-1032		**3/8" Wall Flexible Polyethylene Tubing Foam Insulation** *(22 07 19 00-1031)*		
22 07 19 00-1033	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.39	3.43
		For Work In Restricted Working Space, Add	*2.06*	
22 07 19 00-1034	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.40	3.43
		For Work In Restricted Working Space, Add	*2.07*	
22 07 19 00-1035	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.71	3.55
		For Work In Restricted Working Space, Add	*2.14*	
22 07 19 00-1036	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.03	3.68
		For Work In Restricted Working Space, Add	*2.21*	
22 07 19 00-1037	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.34	3.75
		For Work In Restricted Working Space, Add	*2.24*	
22 07 19 00-1038	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.71	3.80
		For Work In Restricted Working Space, Add	*2.28*	
22 07 19 00-1039	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.86	3.80
		For Work In Restricted Working Space, Add	*2.29*	
22 07 19 00-1040	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.28	3.80
		For Work In Restricted Working Space, Add	*2.30*	
22 07 19 00-1041	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.11	3.92
		For Work In Restricted Working Space, Add	*2.37*	
22 07 19 00-1042	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.48	3.99
		For Work In Restricted Working Space, Add	*2.41*	
22 07 19 00-1043		**1/2" Wall Flexible Polyethylene Tubing Foam Insulation** *(22 07 19 00-1031)*		
22 07 19 00-1044	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.22	3.75
		For Work In Restricted Working Space, Add	*2.24*	
22 07 19 00-1045	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.32	3.75
		For Work In Restricted Working Space, Add	*2.26*	
22 07 19 00-1046	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.47	3.80
		For Work In Restricted Working Space, Add	*2.28*	
22 07 19 00-1047	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.64	3.83
		For Work In Restricted Working Space, Add	*2.30*	
22 07 19 00-1048	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.11	3.92
		For Work In Restricted Working Space, Add	*2.35*	
22 07 19 00-1049	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.50	3.99
		For Work In Restricted Working Space, Add	*2.39*	
22 07 19 00-1050	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.94	4.04
		For Work In Restricted Working Space, Add	*2.42*	
22 07 19 00-1051	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.50	4.10
		For Work In Restricted Working Space, Add	*2.46*	
22 07 19 00-1052	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	11.45	4.22
		For Work In Restricted Working Space, Add	*2.53*	
22 07 19 00-1053	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	12.44	4.28
		For Work In Restricted Working Space, Add	*2.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1054	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	13.39	4.34
		For Work In Restricted Working Space, Add	*2.60*	
22 07 19 00-1055	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	13.95	4.40
		For Work In Restricted Working Space, Add	*2.64*	
22 07 19 00-1056		**3/4" Wall Flexible Polyethylene Tubing Foam Insulation** *(22 07 19 00-1031)*		
22 07 19 00-1057	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.19	4.04
		For Work In Restricted Working Space, Add	*2.42*	
22 07 19 00-1058	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.31	4.10
		For Work In Restricted Working Space, Add	*2.46*	
22 07 19 00-1059	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.95	4.22
		For Work In Restricted Working Space, Add	*2.53*	
22 07 19 00-1060	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.22	4.28
		For Work In Restricted Working Space, Add	*2.57*	
22 07 19 00-1061	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	11.02	4.40
		For Work In Restricted Working Space, Add	*2.64*	
22 07 19 00-1062	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	11.85	4.46
		For Work In Restricted Working Space, Add	*2.68*	
22 07 19 00-1063	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	12.22	4.49
		For Work In Restricted Working Space, Add	*2.69*	
22 07 19 00-1064	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	13.75	4.52
		For Work In Restricted Working Space, Add	*2.71*	
22 07 19 00-1065	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	15.86	4.64
		For Work In Restricted Working Space, Add	*2.78*	
22 07 19 00-1066	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	15.98	4.70
		For Work In Restricted Working Space, Add	*2.82*	
22 07 19 00-1067	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	17.49	4.76
		For Work In Restricted Working Space, Add	*2.86*	
22 07 19 00-1068	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	18.13	4.82
		For Work In Restricted Working Space, Add	*2.90*	
22 07 19 00-1069		**1" Wall Flexible Polyethylene Tubing Foam Insulation** *(22 07 19 00-1031)*		
22 07 19 00-1070	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.50	4.46
		For Work In Restricted Working Space, Add	*2.68*	
22 07 19 00-1071	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.78	4.52
		For Work In Restricted Working Space, Add	*2.71*	
22 07 19 00-1072	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	11.70	4.64
		For Work In Restricted Working Space, Add	*2.78*	
22 07 19 00-1073	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	11.98	4.70
		For Work In Restricted Working Space, Add	*2.82*	
22 07 19 00-1074	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	13.37	4.82
		For Work In Restricted Working Space, Add	*2.90*	
22 07 19 00-1075	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	14.04	4.94
		For Work In Restricted Working Space, Add	*2.96*	
22 07 19 00-1076	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	14.32	5.00
		For Work In Restricted Working Space, Add	*3.00*	
22 07 19 00-1077	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	15.67	5.06
		For Work In Restricted Working Space, Add	*3.04*	
22 07 19 00-1078	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	16.62	5.19
		For Work In Restricted Working Space, Add	*3.11*	
22 07 19 00-1079	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	17.46	5.25
		For Work In Restricted Working Space, Add	*3.15*	
22 07 19 00-1080		**Flexible Elastomeric Tubing Closed Cell Foam Insulation** *(22 07 19)*		
		Note: For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.		
22 07 19 00-1081		**3/8" Wall Flexible Elastomeric Tubing Foam Insulation** *(22 07 19 00-1080)*		
22 07 19 00-1082	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.50	3.43
		For Work In Restricted Working Space, Add	*2.06*	
22 07 19 00-1083	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.60	3.43
		For Work In Restricted Working Space, Add	*2.07*	
22 07 19 00-1084	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.90	3.55
		For Work In Restricted Working Space, Add	*2.14*	
22 07 19 00-1085	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.07	3.61
		For Work In Restricted Working Space, Add	*2.17*	
22 07 19 00-1086	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.26	3.68
		For Work In Restricted Working Space, Add	*2.21*	
22 07 19 00-1087	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.49	3.75
		For Work In Restricted Working Space, Add	*2.24*	
22 07 19 00-1088	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.71	3.80
		For Work In Restricted Working Space, Add	*2.28*	
22 07 19 00-1089	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.90	3.80
		For Work In Restricted Working Space, Add	*2.29*	
22 07 19 00-1090	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.07	3.80
		For Work In Restricted Working Space, Add	*2.30*	
22 07 19 00-1091	LF	2" I.D. (2-1/8" O.D.)Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.26	3.86
		For Work In Restricted Working Space, Add	*2.31*	
22 07 19 00-1092	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.54	3.92
		For Work In Restricted Working Space, Add	*2.35*	
22 07 19 00-1093	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.75	3.92
		For Work In Restricted Working Space, Add	*2.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1094	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.92	3.99
		For Work In Restricted Working Space, Add	*2.39*	
22 07 19 00-1095	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.16	3.99
		For Work In Restricted Working Space, Add	*2.41*	
22 07 19 00-1096	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.64	4.04
		For Work In Restricted Working Space, Add	*2.42*	
22 07 19 00-1097	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.23	4.10
		For Work In Restricted Working Space, Add	*2.46*	
22 07 19 00-1098	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.86	4.12
		For Work In Restricted Working Space, Add	*2.48*	

22 07 19 00-1099 1/2" Wall Flexible Elastomeric Tubing Foam Insulation *(22 07 19 00-1080)*

22 07 19 00-1100	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.41	3.75
		For Work In Restricted Working Space, Add	*2.24*	
22 07 19 00-1101	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.52	3.75
		For Work In Restricted Working Space, Add	*2.26*	
22 07 19 00-1102	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.65	3.80
		For Work In Restricted Working Space, Add	*2.28*	
22 07 19 00-1103	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.81	3.80
		For Work In Restricted Working Space, Add	*2.29*	
22 07 19 00-1104	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.93	3.80
		For Work In Restricted Working Space, Add	*2.30*	
22 07 19 00-1105	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.27	3.92
		For Work In Restricted Working Space, Add	*2.35*	
22 07 19 00-1106	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.58	3.99
		For Work In Restricted Working Space, Add	*2.39*	
22 07 19 00-1107	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.86	4.04
		For Work In Restricted Working Space, Add	*2.42*	
22 07 19 00-1108	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.13	4.08
		For Work In Restricted Working Space, Add	*2.44*	
22 07 19 00-1109	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.36	4.10
		For Work In Restricted Working Space, Add	*2.46*	
22 07 19 00-1110	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.18	4.17
		For Work In Restricted Working Space, Add	*2.50*	
22 07 19 00-1111	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.69	4.22
		For Work In Restricted Working Space, Add	*2.53*	
22 07 19 00-1112	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.06	4.26
		For Work In Restricted Working Space, Add	*2.55*	
22 07 19 00-1113	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.37	4.28
		For Work In Restricted Working Space, Add	*2.57*	
22 07 19 00-1114	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.61	4.32
		For Work In Restricted Working Space, Add	*2.59*	
22 07 19 00-1115	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.82	4.34
		For Work In Restricted Working Space, Add	*2.60*	
22 07 19 00-1116	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.75	4.40
		For Work In Restricted Working Space, Add	*2.64*	
22 07 19 00-1117	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.98	4.43
		For Work In Restricted Working Space, Add	*2.66*	
22 07 19 00-1118	LF	5" I.D. (5-9/16" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.89	4.46
		For Work In Restricted Working Space, Add	*2.68*	
22 07 19 00-1119	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	16.00	4.58
		For Work In Restricted Working Space, Add	*2.75*	
22 07 19 00-1120	LF	8" IPS (8-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	17.23	4.70
		For Work In Restricted Working Space, Add	*2.82*	

22 07 19 00-1121 3/4" Wall Flexible Elastomeric Tubing Foam Insulation *(22 07 19 00-1080)*

22 07 19 00-1122	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.59	4.04
		For Work In Restricted Working Space, Add	*2.42*	
22 07 19 00-1123	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.84	4.10
		For Work In Restricted Working Space, Add	*2.46*	
22 07 19 00-1124	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.23	4.22
		For Work In Restricted Working Space, Add	*2.53*	
22 07 19 00-1125	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.44	4.26
		For Work In Restricted Working Space, Add	*2.55*	
22 07 19 00-1126	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.54	4.28
		For Work In Restricted Working Space, Add	*2.57*	
22 07 19 00-1127	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.08	4.40
		For Work In Restricted Working Space, Add	*2.64*	
22 07 19 00-1128	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.51	4.46
		For Work In Restricted Working Space, Add	*2.68*	
22 07 19 00-1129	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.92	4.52
		For Work In Restricted Working Space, Add	*2.71*	
22 07 19 00-1130	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.03	4.52
		For Work In Restricted Working Space, Add	*2.71*	
22 07 19 00-1131	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.20	4.56
		For Work In Restricted Working Space, Add	*2.73*	
22 07 19 00-1132	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.68	4.58
		For Work In Restricted Working Space, Add	*2.75*	
22 07 19 00-1133	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.95	4.64
		For Work In Restricted Working Space, Add	*2.78*	
22 07 19 00-1134	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.50	4.67
		For Work In Restricted Working Space, Add	*2.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1135	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.89	4.70
		For Work In Restricted Working Space, Add	*2.82*	
22 07 19 00-1136	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.46	4.74
		For Work In Restricted Working Space, Add	*2.84*	
22 07 19 00-1137	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.70	4.76
		For Work In Restricted Working Space, Add	*2.86*	
22 07 19 00-1138	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.58	4.82
		For Work In Restricted Working Space, Add	*2.90*	
22 07 19 00-1139	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	16.26	4.85
		For Work In Restricted Working Space, Add	*2.91*	
22 07 19 00-1140	LF	5" IPS (5-9/16" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	17.41	4.87
		For Work In Restricted Working Space, Add	*2.93*	
22 07 19 00-1141	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation	18.64	4.94
		For Work In Restricted Working Space, Add	*2.96*	
22 07 19 00-1142	LF	8" IPS (8-5/8" O.D.) Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation	20.14	5.06
		For Work In Restricted Working Space, Add	*3.04*	

22 07 19 00-1143 1" Wall Flexible Elastomeric Tubing Foam Insulation *(22 07 19 00-1080)*

22 07 19 00-1144	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.13	4.45
		For Work In Restricted Working Space, Add	*2.68*	
22 07 19 00-1145	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.43	4.52
		For Work In Restricted Working Space, Add	*2.71*	
22 07 19 00-1146	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.84	4.64
		For Work In Restricted Working Space, Add	*2.78*	
22 07 19 00-1147	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.15	4.67
		For Work In Restricted Working Space, Add	*2.80*	
22 07 19 00-1148	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.43	4.70
		For Work In Restricted Working Space, Add	*2.82*	
22 07 19 00-1149	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.94	4.82
		For Work In Restricted Working Space, Add	*2.90*	
22 07 19 00-1150	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.70	4.94
		For Work In Restricted Working Space, Add	*2.96*	
22 07 19 00-1151	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.09	4.94
		For Work In Restricted Working Space, Add	*3.00*	
22 07 19 00-1152	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.59	5.00
		For Work In Restricted Working Space, Add	*3.02*	
22 07 19 00-1153	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.77	5.06
		For Work In Restricted Working Space, Add	*3.04*	
22 07 19 00-1154	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.85	5.14
		For Work In Restricted Working Space, Add	*3.08*	
22 07 19 00-1155	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	16.69	5.19
		For Work In Restricted Working Space, Add	*3.11*	
22 07 19 00-1156	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	17.74	5.23
		For Work In Restricted Working Space, Add	*3.13*	
22 07 19 00-1157	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	18.06	5.25
		For Work In Restricted Working Space, Add	*3.15*	
22 07 19 00-1158	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	18.62	5.28
		For Work In Restricted Working Space, Add	*3.17*	
22 07 19 00-1159	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	18.88	5.31
		For Work In Restricted Working Space, Add	*3.18*	
22 07 19 00-1160	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	20.92	5.43
		For Work In Restricted Working Space, Add	*3.25*	
22 07 19 00-1161	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	22.30	5.49
		For Work In Restricted Working Space, Add	*3.29*	
22 07 19 00-1162	LF	5" IPS (5-9/16" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	24.29	5.55
		For Work In Restricted Working Space, Add	*3.33*	
22 07 19 00-1163	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	26.44	5.67
		For Work In Restricted Working Space, Add	*3.40*	

22 07 19 00-1164 1-1/2" Wall Flexible Elastomeric Tubing Foam Insulation *(22 07 19 00-1080)*

22 07 19 00-1165	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	16.27	4.99
		For Work In Restricted Working Space, Add	*3.00*	
22 07 19 00-1166	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	16.67	5.10
		For Work In Restricted Working Space, Add	*3.06*	
22 07 19 00-1167	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	16.99	5.14
		For Work In Restricted Working Space, Add	*3.08*	
22 07 19 00-1168	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	17.31	5.18
		For Work In Restricted Working Space, Add	*3.10*	
22 07 19 00-1169	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	17.79	5.29
		For Work In Restricted Working Space, Add	*3.17*	
22 07 19 00-1170	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	18.57	5.49
		For Work In Restricted Working Space, Add	*3.29*	
22 07 19 00-1171	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	19.58	5.41
		For Work In Restricted Working Space, Add	*3.32*	
22 07 19 00-1172	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	20.45	5.53
		For Work In Restricted Working Space, Add	*3.36*	
22 07 19 00-1173	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	21.01	5.67
		For Work In Restricted Working Space, Add	*3.40*	
22 07 19 00-1174	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	22.67	5.74
		For Work In Restricted Working Space, Add	*3.44*	
22 07 19 00-1175	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	24.24	5.81
		For Work In Restricted Working Space, Add	*3.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1176	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	24.98	5.83
		For Work In Restricted Working Space, Add	*3.49*	
22 07 19 00-1177	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	25.72	5.84
		For Work In Restricted Working Space, Add	*3.51*	
22 07 19 00-1178	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	26.57	5.88
		For Work In Restricted Working Space, Add	*3.53*	
22 07 19 00-1179	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	27.12	5.90
		For Work In Restricted Working Space, Add	*3.54*	
22 07 19 00-1180	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	30.09	6.12
		For Work In Restricted Working Space, Add	*3.66*	
22 07 19 00-1181	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	31.69	6.21
		For Work In Restricted Working Space, Add	*3.72*	
22 07 19 00-1182	LF	5" IPS (5-9/16" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	35.49	6.30
		For Work In Restricted Working Space, Add	*3.78*	
22 07 19 00-1183	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	39.29	6.49
		For Work In Restricted Working Space, Add	*3.89*	

22 07 19 00-1184 2" Wall Flexible Elastomeric Tubing Foam Insulation *(22 07 19 00-1080)*

22 07 19 00-1185	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	22.86	5.51
		For Work In Restricted Working Space, Add	*3.31*	
22 07 19 00-1186	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	23.72	5.59
		For Work In Restricted Working Space, Add	*3.38*	
22 07 19 00-1187	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	25.13	5.64
		For Work In Restricted Working Space, Add	*3.39*	
22 07 19 00-1188	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	25.62	5.68
		For Work In Restricted Working Space, Add	*3.40*	
22 07 19 00-1189	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	26.85	5.80
		For Work In Restricted Working Space, Add	*3.47*	
22 07 19 00-1190	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	28.42	6.07
		For Work In Restricted Working Space, Add	*3.64*	
22 07 19 00-1191	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	29.29	5.92
		For Work In Restricted Working Space, Add	*3.66*	
22 07 19 00-1192	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	30.87	6.13
		For Work In Restricted Working Space, Add	*3.74*	
22 07 19 00-1193	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	32.39	6.33
		For Work In Restricted Working Space, Add	*3.81*	
22 07 19 00-1194	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	33.39	6.41
		For Work In Restricted Working Space, Add	*3.84*	
22 07 19 00-1195	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	35.43	6.49
		For Work In Restricted Working Space, Add	*3.87*	
22 07 19 00-1196	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	35.69	6.50
		For Work In Restricted Working Space, Add	*3.90*	
22 07 19 00-1197	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	37.59	6.51
		For Work In Restricted Working Space, Add	*3.92*	
22 07 19 00-1198	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	38.91	6.55
		For Work In Restricted Working Space, Add	*3.93*	
22 07 19 00-1199	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	40.31	6.58
		For Work In Restricted Working Space, Add	*3.94*	
22 07 19 00-1200	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	45.07	6.89
		For Work In Restricted Working Space, Add	*4.12*	
22 07 19 00-1201	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	47.84	7.03
		For Work In Restricted Working Space, Add	*4.21*	
22 07 19 00-1202	LF	5" IPS (5-9/16" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	48.70	7.16
		For Work In Restricted Working Space, Add	*4.30*	
22 07 19 00-1203	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	54.41	7.45
		For Work In Restricted Working Space, Add	*4.46*	

22 07 19 00-1204 Flexible Polyolefin Tubing Closed Cell Foam Insulation *(22 07 19)*

Note: UV stabilized, work temperature (-110 degree F to +210 degree F) 0 water vapor transmission. For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.

22 07 19 00-1205 3/8" Wall Flexible Polyolefin Tubing Foam Insulation *(22 07 19 00-1204)*

22 07 19 00-1206	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.47	3.43
		For Work In Restricted Working Space, Add	*2.06*	
22 07 19 00-1207	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.56	3.43
		For Work In Restricted Working Space, Add	*2.07*	
22 07 19 00-1208	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.84	3.55
		For Work In Restricted Working Space, Add	*2.14*	
22 07 19 00-1209	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.19	3.68
		For Work In Restricted Working Space, Add	*2.21*	
22 07 19 00-1210	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.40	3.75
		For Work In Restricted Working Space, Add	*2.24*	
22 07 19 00-1211	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.80	3.80
		For Work In Restricted Working Space, Add	*2.28*	
22 07 19 00-1212	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.10	3.80
		For Work In Restricted Working Space, Add	*2.29*	
22 07 19 00-1213	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.32	3.92
		For Work In Restricted Working Space, Add	*2.30*	
22 07 19 00-1214	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.29	3.92
		For Work In Restricted Working Space, Add	*2.37*	
22 07 19 00-1215	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	11.17	3.99
		For Work In Restricted Working Space, Add	*2.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1216	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	13.41	4.10
		For Work In Restricted Working Space, Add	*2.46*	
22 07 19 00-1217		**1/2" Wall Flexible Polyolefin Tubing Foam Insulation** *(22 07 19 00-1204)*		
22 07 19 00-1218	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.38	3.75
		For Work In Restricted Working Space, Add	*2.24*	
22 07 19 00-1219	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.46	3.75
		For Work In Restricted Working Space, Add	*2.26*	
22 07 19 00-1220	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.64	3.80
		For Work In Restricted Working Space, Add	*2.28*	
22 07 19 00-1221	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.88	3.80
		For Work In Restricted Working Space, Add	*2.30*	
22 07 19 00-1222	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.18	3.92
		For Work In Restricted Working Space, Add	*2.35*	
22 07 19 00-1223	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.61	3.99
		For Work In Restricted Working Space, Add	*2.39*	
22 07 19 00-1224	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.08	4.04
		For Work In Restricted Working Space, Add	*2.42*	
22 07 19 00-1225	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.55	4.10
		For Work In Restricted Working Space, Add	*2.46*	
22 07 19 00-1226	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	11.59	4.22
		For Work In Restricted Working Space, Add	*2.53*	
22 07 19 00-1227	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	12.51	4.28
		For Work In Restricted Working Space, Add	*2.57*	
22 07 19 00-1228	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	14.28	4.40
		For Work In Restricted Working Space, Add	*2.64*	
22 07 19 00-1229		**3/4" Wall Flexible Polyolefin Tubing Foam Insulation** *(22 07 19 00-1204)*		
22 07 19 00-1230	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.44	4.04
		For Work In Restricted Working Space, Add	*2.42*	
22 07 19 00-1231	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.78	4.10
		For Work In Restricted Working Space, Add	*2.46*	
22 07 19 00-1232	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.18	4.22
		For Work In Restricted Working Space, Add	*2.53*	
22 07 19 00-1233	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.80	4.28
		For Work In Restricted Working Space, Add	*2.57*	
22 07 19 00-1234	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	11.39	4.40
		For Work In Restricted Working Space, Add	*2.64*	
22 07 19 00-1235	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	12.42	4.46
		For Work In Restricted Working Space, Add	*2.68*	
22 07 19 00-1236	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	13.08	4.46
		For Work In Restricted Working Space, Add	*2.69*	
22 07 19 00-1237	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	13.85	4.52
		For Work In Restricted Working Space, Add	*2.71*	
22 07 19 00-1238	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	15.32	4.64
		For Work In Restricted Working Space, Add	*2.78*	
22 07 19 00-1239	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	16.66	4.70
		For Work In Restricted Working Space, Add	*2.82*	
22 07 19 00-1240	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	19.24	4.82
		For Work In Restricted Working Space, Add	*2.90*	
22 07 19 00-1241		**1" Wall Flexible Polyolefin Tubing Foam Insulation** *(22 07 19 00-1204)*		
22 07 19 00-1242	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	11.30	4.46
		For Work In Restricted Working Space, Add	*2.68*	
22 07 19 00-1243	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	11.47	4.52
		For Work In Restricted Working Space, Add	*2.71*	
22 07 19 00-1244	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	11.87	4.64
		For Work In Restricted Working Space, Add	*2.78*	
22 07 19 00-1245	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	12.79	4.70
		For Work In Restricted Working Space, Add	*2.82*	
22 07 19 00-1246	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	13.55	4.82
		For Work In Restricted Working Space, Add	*2.90*	
22 07 19 00-1247	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	14.31	4.94
		For Work In Restricted Working Space, Add	*2.96*	
22 07 19 00-1248	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	15.07	4.94
		For Work In Restricted Working Space, Add	*3.00*	
22 07 19 00-1249	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	16.77	5.06
		For Work In Restricted Working Space, Add	*3.04*	
22 07 19 00-1250	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	19.04	5.19
		For Work In Restricted Working Space, Add	*3.11*	
22 07 19 00-1251	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	20.67	5.25
		For Work In Restricted Working Space, Add	*3.15*	
22 07 19 00-1252		**Flexible Elastomeric Unicellular Insulation** *(22 07 19)*		
		Note: For refrigeration piping. For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.		
22 07 19 00-1253		**3/8" Wall Flexible Elastomeric Unicellular Insulation** *(22 07 19 00-1252)*		
22 07 19 00-1254	LF	3/8" I.D. (1/2" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	8.53	3.43
		For Work In Restricted Working Space, Add	*2.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1255	LF	1/2" I.D. (5/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	9.04	3.55
		For Work In Restricted Working Space, Add	*2.14*	
22 07 19 00-1256	LF	3/4" I.D. (7/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	9.49	3.69
		For Work In Restricted Working Space, Add	*2.21*	
22 07 19 00-1257	LF	1" I.D. (1-1/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	9.89	3.75
		For Work In Restricted Working Space, Add	*2.24*	
22 07 19 00-1258	LF	1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	10.34	3.80
		For Work In Restricted Working Space, Add	*2.28*	
22 07 19 00-1259	LF	1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	11.03	3.83
		For Work In Restricted Working Space, Add	*2.29*	
22 07 19 00-1260	LF	2" I.D. (2-1/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	11.88	3.93
		For Work In Restricted Working Space, Add	*2.35*	
22 07 19 00-1261	LF	2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	13.99	3.95
		For Work In Restricted Working Space, Add	*2.37*	
22 07 19 00-1262	LF	3" I.D. (3-1/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	15.51	4.01
		For Work In Restricted Working Space, Add	*2.41*	

22 07 19 00-1263 1/2" Wall Flexible Elastomeric Unicellular Insulation *(22 07 19 00-1252)*

22 07 19 00-1264	LF	3/8" I.D. (1/2" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	9.89	3.69
		For Work In Restricted Working Space, Add	*2.21*	
22 07 19 00-1265	LF	1/2" I.D. (5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	10.38	3.80
		For Work In Restricted Working Space, Add	*2.28*	
22 07 19 00-1266	LF	3/4" I.D. (7/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	10.74	3.80
		For Work In Restricted Working Space, Add	*2.30*	
22 07 19 00-1267	LF	1" I.D. (1-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	11.31	3.92
		For Work In Restricted Working Space, Add	*2.35*	
22 07 19 00-1268	LF	1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	11.76	3.99
		For Work In Restricted Working Space, Add	*2.39*	
22 07 19 00-1269	LF	1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	12.46	4.04
		For Work In Restricted Working Space, Add	*2.42*	
22 07 19 00-1270	LF	2" I.D. (2-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	13.80	4.10
		For Work In Restricted Working Space, Add	*2.46*	
22 07 19 00-1271	LF	2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	16.00	4.22
		For Work In Restricted Working Space, Add	*2.53*	
22 07 19 00-1272	LF	3" I.D. (3-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	17.44	4.28
		For Work In Restricted Working Space, Add	*2.57*	
22 07 19 00-1273	LF	3-1/2" I.D. (3-5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	20.38	4.34
		For Work In Restricted Working Space, Add	*2.60*	
22 07 19 00-1274	LF	4" I.D. (4-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	21.75	4.40
		For Work In Restricted Working Space, Add	*2.64*	

22 07 19 00-1275 3/4" Wall Flexible Elastomeric Unicellular Insulation *(22 07 19 00-1252)*

22 07 19 00-1276	LF	3/8" I.D. (1/2" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	11.90	4.02
		For Work In Restricted Working Space, Add	*2.41*	
22 07 19 00-1277	LF	1/2" I.D. (5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	12.66	4.22
		For Work In Restricted Working Space, Add	*2.53*	
22 07 19 00-1278	LF	3/4" I.D. (7/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	13.60	4.28
		For Work In Restricted Working Space, Add	*2.57*	
22 07 19 00-1279	LF	1" I.D. (1-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	14.95	4.41
		For Work In Restricted Working Space, Add	*2.64*	
22 07 19 00-1280	LF	1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	15.95	4.46
		For Work In Restricted Working Space, Add	*2.68*	
22 07 19 00-1281	LF	1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	18.37	4.52
		For Work In Restricted Working Space, Add	*2.71*	
22 07 19 00-1282	LF	2" I.D. (2-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	20.46	4.56
		For Work In Restricted Working Space, Add	*2.73*	
22 07 19 00-1283	LF	2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	23.61	4.65
		For Work In Restricted Working Space, Add	*2.78*	
22 07 19 00-1284	LF	3" I.D. (3-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	25.80	4.70
		For Work In Restricted Working Space, Add	*2.82*	
22 07 19 00-1285	LF	3-1/2" I.D. (3-5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	29.40	4.76
		For Work In Restricted Working Space, Add	*2.86*	
22 07 19 00-1286	LF	4" I.D. (4-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	31.06	4.82
		For Work In Restricted Working Space, Add	*2.90*	

22 07 19 00-1287 1" Wall Flexible Elastomeric Unicellular Insulation *(22 07 19 00-1252)*

22 07 19 00-1288	LF	3/8" I.D. (1/2" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	16.00	4.46
		For Work In Restricted Working Space, Add	*2.68*	
22 07 19 00-1289	LF	1/2" I.D. (5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	16.82	4.65
		For Work In Restricted Working Space, Add	*2.78*	
22 07 19 00-1290	LF	3/4" I.D. (7/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	18.70	4.70
		For Work In Restricted Working Space, Add	*2.82*	
22 07 19 00-1291	LF	1" I.D. (1-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	20.95	4.82
		For Work In Restricted Working Space, Add	*2.90*	
22 07 19 00-1292	LF	1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	22.97	4.94
		For Work In Restricted Working Space, Add	*2.96*	
22 07 19 00-1293	LF	1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	24.51	5.00
		For Work In Restricted Working Space, Add	*3.00*	
22 07 19 00-1294	LF	2" I.D. (2-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	27.58	5.06
		For Work In Restricted Working Space, Add	*3.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1295	LF	2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	35.01	5.19
		For Work In Restricted Working Space, Add	*3.11*	
22 07 19 00-1296	LF	3" I.D. (3-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	40.37	5.25
		For Work In Restricted Working Space, Add	*3.15*	
22 07 19 00-1297	LF	3-1/2" I.D. (3-5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	43.25	5.31
		For Work In Restricted Working Space, Add	*3.18*	
22 07 19 00-1298	LF	4" I.D. (4-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	49.18	5.43
		For Work In Restricted Working Space, Add	*3.25*	

22 10 Plumbing Piping *(22)*

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which exclude the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

22 11 Facility Water Distribution *(22 10)*

22 11 16 Domestic Water Piping *(22 11)*

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which exclude the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks. See CSI section 23 21 13 00-0000 for black steel piping and fitting.

22 11 16 00-0001 Galvanized Steel Pipe Assemblies *(22 11 16)*

Note: (ASTM A-53) Threaded and coupled. Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Includes cutting and threading to length where necessary. Not for use where detail is available.

22 11 16 00-0002	LF	1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	20.11	4.31
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*5.47*	
		For ASTM 120, Deduct	*-0.87*	
		For Work In Restricted Working Space, Add	*4.29*	
22 11 16 00-0003	LF	3/4" Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	22.21	4.63
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*6.21*	
		For ASTM 120, Deduct	*-1.06*	
		For Work In Restricted Working Space, Add	*4.54*	
22 11 16 00-0004	LF	1" Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	25.44	5.07
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*7.40*	
		For ASTM 120, Deduct	*-1.39*	
		For Work In Restricted Working Space, Add	*4.85*	
22 11 16 00-0005	LF	1-1/4" Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	30.33	5.28
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*9.36*	
		For ASTM 120, Deduct	*-1.97*	
		For Work In Restricted Working Space, Add	*5.15*	
22 11 16 00-0006	LF	1-1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	32.76	6.26
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*10.26*	
		For ASTM 120, Deduct	*-2.23*	
		For Work In Restricted Working Space, Add	*5.37*	
22 11 16 00-0007	LF	2" Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	39.62	7.54
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*12.73*	
		For ASTM 120, Deduct	*-2.89*	
		For Work In Restricted Working Space, Add	*6.11*	
22 11 16 00-0008	LF	2-1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	56.79	8.94
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*19.58*	
		For ASTM 120, Deduct	*-4.94*	
		For Work In Restricted Working Space, Add	*7.17*	
22 11 16 00-0009	LF	3" Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	70.84	11.97
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*24.64*	
		For ASTM 120, Deduct	*-6.28*	
		For Work In Restricted Working Space, Add	*8.69*	
22 11 16 00-0010	LF	4" Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	104.27	14.04
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*38.72*	
		For ASTM 120, Deduct	*-10.72*	
		For Work In Restricted Working Space, Add	*9.84*	
22 11 16 00-0011	LF	5" Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	183.02	17.94
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*72.45*	
		For ASTM 120, Deduct	*-21.51*	
		For Work In Restricted Working Space, Add	*11.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0012	LF	6" Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	205.31	21.22
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*81.13*	
		For ASTM 120, Deduct	*-24.04*	
		For Work In Restricted Working Space, Add	*13.51*	

22 11 16 00-0013 Galvanized Steel Pipe And Threaded Fittings *(22 11 16)*

Note: (ASTM A-53) Threaded and coupled, schedule 40. Excludes hangers, elbow, tee, or reducer fittings.

22 11 16 00-0014 Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe *(22 11 16 00-0013)*

Note: ASTM A-53. Welded pipe has a weld bead on the inside. Includes coupling. Includes cutting and threading to length where necessary.

22 11 16 00-0015	LF	1/2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	9.86	4.31
		For Schedule 80 Pipe, Add	*2.25*	
		For ASTM 120, Deduct	*-0.50*	
		For Work In Restricted Working Space, Add	*1.96*	
22 11 16 00-0016	LF	3/4" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	11.34	4.63
		For Schedule 80 Pipe, Add	*2.80*	
		For ASTM 120, Deduct	*-0.66*	
		For Work In Restricted Working Space, Add	*2.09*	
22 11 16 00-0017	LF	1" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	14.04	5.07
		For Schedule 80 Pipe, Add	*3.88*	
		For ASTM 120, Deduct	*-0.98*	
		For Work In Restricted Working Space, Add	*2.26*	
22 11 16 00-0018	LF	1-1/4" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	16.81	5.28
		For Schedule 80 Pipe, Add	*5.03*	
		For ASTM 120, Deduct	*-1.32*	
		For Work In Restricted Working Space, Add	*2.40*	
22 11 16 00-0019	LF	1-1/2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	19.92	6.26
		For Schedule 80 Pipe, Add	*6.00*	
		For ASTM 120, Deduct	*-1.58*	
		For Work In Restricted Working Space, Add	*2.81*	
22 11 16 00-0020	LF	2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	25.50	7.54
		For Schedule 80 Pipe, Add	*7.93*	
		For ASTM 120, Deduct	*-2.12*	
		For Work In Restricted Working Space, Add	*3.40*	
22 11 16 00-0021	LF	2-1/2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	35.94	8.94
		For Schedule 80 Pipe, Add	*12.13*	
		For ASTM 120, Deduct	*-3.37*	
		For Work In Restricted Working Space, Add	*4.04*	
22 11 16 00-0022	LF	3" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	47.37	11.97
		For Schedule 80 Pipe, Add	*15.91*	
		For ASTM 120, Deduct	*-4.41*	
		For Work In Restricted Working Space, Add	*5.39*	
22 11 16 00-0023	LF	4" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	62.96	14.04
		For Schedule 80 Pipe, Add	*22.20*	
		For ASTM 120, Deduct	*-6.28*	
		For Work In Restricted Working Space, Add	*6.33*	
22 11 16 00-0024	LF	5" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	83.00	17.94
		For Schedule 80 Pipe, Add	*29.63*	
		For ASTM 120, Deduct	*-8.42*	
		For Work In Restricted Working Space, Add	*8.06*	
22 11 16 00-0025	LF	6" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	104.58	21.22
		For Schedule 80 Pipe, Add	*38.12*	
		For ASTM 120, Deduct	*-10.92*	
		For Work In Restricted Working Space, Add	*9.53*	
22 11 16 00-0026	LF	8" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	117.05	25.65
		For Schedule 80 Pipe, Add	*41.60*	
		For ASTM 120, Deduct	*-11.80*	
		For Work In Restricted Working Space, Add	*11.52*	

22 11 16 00-0027 Seamless, Threaded And Coupled, Galvanized Steel Pipe *(22 11 16 00-0013)*

Note: ASTM A-53. Includes coupling. Includes cutting and threading to length where necessary.

22 11 16 00-0028	LF	1/2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	14.02	4.31
		For Schedule 80 Pipe, Add	*4.24*	
		For ASTM 120, Deduct	*-1.12*	
		For Work In Restricted Working Space, Add	*1.96*	
22 11 16 00-0029	LF	3/4" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	15.91	4.63
		For Schedule 80 Pipe, Add	*5.00*	
		For ASTM 120, Deduct	*-1.34*	
		For Work In Restricted Working Space, Add	*2.09*	
22 11 16 00-0030	LF	1" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	17.95	5.07
		For Schedule 80 Pipe, Add	*5.75*	
		For ASTM 120, Deduct	*-1.56*	
		For Work In Restricted Working Space, Add	*2.26*	
22 11 16 00-0031	LF	1-1/4" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	21.08	5.28
		For Schedule 80 Pipe, Add	*7.08*	
		For ASTM 120, Deduct	*-1.96*	
		For Work In Restricted Working Space, Add	*2.40*	
22 11 16 00-0032	LF	1-1/2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	24.33	6.26
		For Schedule 80 Pipe, Add	*8.11*	
		For ASTM 120, Deduct	*-2.24*	
		For Work In Restricted Working Space, Add	*2.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0033	LF	2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	28.37	7.54
		For Schedule 80 Pipe, Add	*9.31*	
		For ASTM 120, Deduct	*-2.55*	
		For Work In Restricted Working Space, Add	*3.40*	
22 11 16 00-0034	LF	2-1/2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	41.98	8.94
		For Schedule 80 Pipe, Add	*15.03*	
		For ASTM 120, Deduct	*-4.28*	
		For Work In Restricted Working Space, Add	*4.04*	
22 11 16 00-0035	LF	3" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	52.82	11.97
		For Schedule 80 Pipe, Add	*18.53*	
		For ASTM 120, Deduct	*-5.23*	
		For Work In Restricted Working Space, Add	*5.39*	
22 11 16 00-0036	LF	4" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	70.93	14.04
		For Schedule 80 Pipe, Add	*26.02*	
		For ASTM 120, Deduct	*-7.47*	
		For Work In Restricted Working Space, Add	*6.33*	
22 11 16 00-0037	LF	5" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	91.90	17.94
		For Schedule 80 Pipe, Add	*33.90*	
		For ASTM 120, Deduct	*-9.75*	
		For Work In Restricted Working Space, Add	*8.06*	
22 11 16 00-0038	LF	6" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	114.96	21.22
		For Schedule 80 Pipe, Add	*43.10*	
		For ASTM 120, Deduct	*-12.48*	
		For Work In Restricted Working Space, Add	*9.53*	

22 11 16 00-0039 Galvanized Malleable Iron 90 Degree Elbows *(22 11 16 00-0013)*

22 11 16 00-0040	EA	1/2", 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	32.57	19.19
		For 300 Lb. Rating, Add	*14.71*	
		For ASTM 120, Deduct	*-0.57*	
		For Work In Restricted Working Space, Add	*8.63*	
22 11 16 00-0041	EA	3/4", 150 LBLb., , Galvanized Malleable Iron 90 Degree Elbow	36.86	21.46
		For 300 Lb. Rating, Add	*17.88*	
		For ASTM 120, Deduct	*-0.70*	
		For Work In Restricted Working Space, Add	*9.65*	
22 11 16 00-0042	EA	1", 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	44.61	23.93
		For 300 Lb. Rating, Add	*31.67*	
		For ASTM 120, Deduct	*-1.30*	
		For Work In Restricted Working Space, Add	*10.78*	
22 11 16 00-0043	EA	1-1/4", 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	54.39	27.17
		For 300 Lb. Rating, Add	*49.09*	
		For ASTM 120, Deduct	*-2.06*	
		For Work In Restricted Working Space, Add	*12.20*	
22 11 16 00-0044	EA	1-1/2", 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	63.78	30.61
		For 300 Lb. Rating, Add	*63.65*	
		For ASTM 120, Deduct	*-2.69*	
		For Work In Restricted Working Space, Add	*13.76*	
22 11 16 00-0045	EA	2", 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	87.60	38.91
		For 300 Lb. Rating, Add	*103.25*	
		For ASTM 120, Deduct	*-4.40*	
		For Work In Restricted Working Space, Add	*17.48*	
22 11 16 00-0046	EA	2-1/2", 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	163.00	57.56
		For 300 Lb. Rating, Add	*266.19*	
		For ASTM 120, Deduct	*-11.52*	
		For Work In Restricted Working Space, Add	*25.87*	
22 11 16 00-0047	EA	3", 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	240.02	75.67
		For 300 Lb. Rating, Add	*437.11*	
		For ASTM 120, Deduct	*-18.98*	
		For Work In Restricted Working Space, Add	*34.04*	
22 11 16 00-0048	EA	4", 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	346.38	82.12
		For 300 Lb. Rating, Add	*766.37*	
		For ASTM 120, Deduct	*-33.48*	
		For Work In Restricted Working Space, Add	*36.95*	
22 11 16 00-0049	EA	5", 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	1,092.52	85.71
		For 300 Lb. Rating, Add	*3,285.38*	
		For ASTM 120, Deduct	*-144.60*	
		For Work In Restricted Working Space, Add	*38.55*	
22 11 16 00-0050	EA	6", 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	1,023.07	89.62
		For 300 Lb. Rating, Add	*3,029.71*	
		For ASTM 120, Deduct	*-133.31*	
		For Work In Restricted Working Space, Add	*40.31*	
22 11 16 00-0051	EA	8", 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	1,212.58	93.65
		For 300 Lb. Rating, Add	*3,653.84*	
		For ASTM 120, Deduct	*-160.83*	
		For Work In Restricted Working Space, Add	*42.12*	

22 11 16 00-0052 Galvanized Malleable Iron Reducing 90 Degree Elbows *(22 11 16 00-0013)*

22 11 16 00-0053	EA	3/4" x 1/2", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	38.61	20.27
		For ASTM 120, Deduct	*-1.22*	
		For Work In Restricted Working Space, Add	*9.14*	
22 11 16 00-0054	EA	1" x 3/4", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	44.51	22.74
		For ASTM 120, Deduct	*-1.57*	
		For Work In Restricted Working Space, Add	*10.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0055	EA	1" x 1/2", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	43.43	21.56
		For ASTM 120, Deduct	*-1.67*	
		For Work In Restricted Working Space, Add	*9.70*	
22 11 16 00-0056	EA	1-1/4" x 1", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	55.85	25.54
		For ASTM 120, Deduct	*-2.63*	
		For Work In Restricted Working Space, Add	*11.49*	
22 11 16 00-0057	EA	1-1/4" x 3/4", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	57.50	24.26
		For ASTM 120, Deduct	*-3.16*	
		For Work In Restricted Working Space, Add	*10.93*	
22 11 16 00-0058	EA	1-1/4" x 1/2", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	57.04	23.18
		For ASTM 120, Deduct	*-3.35*	
		For Work In Restricted Working Space, Add	*10.41*	
22 11 16 00-0059	EA	1-1/2" x 1-1/4", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	71.30	28.89
		For ASTM 120, Deduct	*-4.21*	
		For Work In Restricted Working Space, Add	*12.98*	
22 11 16 00-0060	EA	1-1/2" x 1", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	68.94	27.27
		For ASTM 120, Deduct	*-4.21*	
		For Work In Restricted Working Space, Add	*12.27*	
22 11 16 00-0061	EA	1-1/2" x 3/4", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	67.06	25.98
		For ASTM 120, Deduct	*-4.21*	
		For Work In Restricted Working Space, Add	*11.71*	
22 11 16 00-0062	EA	2" x 1-1/2", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	84.83	34.71
		For ASTM 120, Deduct	*-4.91*	
		For Work In Restricted Working Space, Add	*15.62*	
22 11 16 00-0063	EA	2" x 1-1/4", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	87.02	32.99
		For ASTM 120, Deduct	*-5.63*	
		For Work In Restricted Working Space, Add	*14.84*	
22 11 16 00-0064	EA	2" x 1", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	86.06	31.37
		For ASTM 120, Deduct	*-5.85*	
		For Work In Restricted Working Space, Add	*14.13*	
22 11 16 00-0065	EA	2" x 3/4", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	74.78	30.18
		For ASTM 120, Deduct	*-4.43*	
		For Work In Restricted Working Space, Add	*13.57*	
22 11 16 00-0066	EA	2-1/2" x 2", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	183.29	48.18
		For ASTM 120, Deduct	*-16.66*	
		For Work In Restricted Working Space, Add	*21.68*	
22 11 16 00-0067	EA	2-1/2" x 1-1/2", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	189.77	44.09
		For ASTM 120, Deduct	*-18.56*	
		For Work In Restricted Working Space, Add	*19.82*	
22 11 16 00-0068	EA	3" x 2-1/2", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	301.65	66.61
		For ASTM 120, Deduct	*-30.27*	
		For Work In Restricted Working Space, Add	*29.95*	
22 11 16 00-0069	EA	3" x 2", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	261.14	57.23
		For ASTM 120, Deduct	*-26.29*	
		For Work In Restricted Working Space, Add	*25.76*	
22 11 16 00-0070	EA	4" x 3", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	573.81	78.11
		For ASTM 120, Deduct	*-68.50*	
		For Work In Restricted Working Space, Add	*35.14*	

22 11 16 00-0071 Galvanized Malleable Iron 45 Degree Elbow *(22 11 16 00-0013)*

22 11 16 00-0072	EA	1/2", 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	33.51	19.19
		For 300 Lb. Rating, Add	*17.91*	
		For ASTM 120, Deduct	*-0.71*	
		For Work In Restricted Working Space, Add	*8.63*	
22 11 16 00-0073	EA	3/4", 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	39.02	21.46
		For 300 Lb. Rating, Add	*25.22*	
		For ASTM 120, Deduct	*-1.03*	
		For Work In Restricted Working Space, Add	*9.65*	
22 11 16 00-0074	EA	1", 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	43.66	23.93
		For 300 Lb. Rating, Add	*28.44*	
		For ASTM 120, Deduct	*-1.16*	
		For Work In Restricted Working Space, Add	*10.78*	
22 11 16 00-0075	EA	1-1/4", 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	55.11	27.17
		For 300 Lb. Rating, Add	*51.54*	
		For ASTM 120, Deduct	*-2.17*	
		For Work In Restricted Working Space, Add	*12.20*	
22 11 16 00-0076	EA	1-1/2", 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	62.83	30.61
		For 300 Lb. Rating, Add	*60.42*	
		For ASTM 120, Deduct	*-2.54*	
		For Work In Restricted Working Space, Add	*13.76*	
22 11 16 00-0077	EA	2", 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	83.36	38.91
		For 300 Lb. Rating, Add	*88.84*	
		For ASTM 120, Deduct	*-3.77*	
		For Work In Restricted Working Space, Add	*17.48*	
22 11 16 00-0078	EA	2-1/2", 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	173.56	57.56
		For 300 Lb. Rating, Add	*302.10*	
		For ASTM 120, Deduct	*-13.10*	
		For Work In Restricted Working Space, Add	*25.87*	
22 11 16 00-0079	EA	3", 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	240.47	75.67
		For 300 Lb. Rating, Add	*438.64*	
		For ASTM 120, Deduct	*-19.05*	
		For Work In Restricted Working Space, Add	*34.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0080	EA	4", 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	336.08	82.12
		For 300 Lb. Rating, Add	*731.35*	
		For ASTM 120, Deduct	*-31.94*	
		For Work In Restricted Working Space, Add	*36.95*	
22 11 16 00-0081	EA	5", 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	988.91	85.71
		For 300 Lb. Rating, Add	*2,933.10*	
		For ASTM 120, Deduct	*-129.06*	
		For Work In Restricted Working Space, Add	*38.55*	
22 11 16 00-0082	EA	6", 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	1,171.81	89.62
		For 300 Lb. Rating, Add	*3,535.43*	
		For ASTM 120, Deduct	*-155.62*	
		For Work In Restricted Working Space, Add	*40.31*	
22 11 16 00-0083	EA	8", 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	1,390.24	93.65
		For 300 Lb. Rating, Add	*4,257.88*	
		For ASTM 120, Deduct	*-187.48*	
		For Work In Restricted Working Space, Add	*42.12*	

22 11 16 00-0084 Galvanized Malleable Iron Tees *(22 11 16 00-0013)*

22 11 16 00-0085	EA	1/2", 150 Lb., Galvanized Malleable Iron Tee	40.87	23.93
		For 300 Lb. Rating, Add	*18.95*	
		For ASTM 120, Deduct	*-0.74*	
		For Work In Restricted Working Space, Add	*10.78*	
22 11 16 00-0086	EA	3/4", 150 Lb., Galvanized Malleable Iron Tee	49.61	27.70
		For 300 Lb. Rating, Add	*30.20*	
		For ASTM 120, Deduct	*-1.22*	
		For Work In Restricted Working Space, Add	*12.44*	
22 11 16 00-0087	EA	1", 150 Lb., Galvanized Malleable Iron Tee	62.17	32.66
		For 300 Lb. Rating, Add	*47.75*	
		For ASTM 120, Deduct	*-1.98*	
		For Work In Restricted Working Space, Add	*14.70*	
22 11 16 00-0088	EA	1-1/4", 150 Lb., Galvanized Malleable Iron Tee	79.18	38.91
		For 300 Lb. Rating, Add	*74.62*	
		For ASTM 120, Deduct	*-3.14*	
		For Work In Restricted Working Space, Add	*17.48*	
22 11 16 00-0089	EA	1-1/2", 150 Lb., Galvanized Malleable Iron Tee	95.55	46.35
		For 300 Lb. Rating, Add	*92.61*	
		For ASTM 120, Deduct	*-3.90*	
		For Work In Restricted Working Space, Add	*20.86*	
22 11 16 00-0090	EA	2", 150 Lb., Galvanized Malleable Iron Tee	128.50	57.56
		For 300 Lb. Rating, Add	*148.89*	
		For ASTM 120, Deduct	*-6.34*	
		For Work In Restricted Working Space, Add	*25.87*	
22 11 16 00-0091	EA	2-1/2", 150 Lb., Galvanized Malleable Iron Tee	212.74	62.52
		For 300 Lb. Rating, Add	*410.26*	
		For ASTM 120, Deduct	*-17.85*	
		For Work In Restricted Working Space, Add	*28.12*	
22 11 16 00-0092	EA	3", 150 Lb., Galvanized Malleable Iron Tee	253.02	75.67
		For 300 Lb. Rating, Add	*481.31*	
		For ASTM 120, Deduct	*-20.93*	
		For Work In Restricted Working Space, Add	*34.04*	
22 11 16 00-0093	EA	4", 150 Lb., Galvanized Malleable Iron Tee	485.72	103.77
		For 300 Lb. Rating, Add	*1,131.88*	
		For ASTM 120, Deduct	*-49.52*	
		For Work In Restricted Working Space, Add	*46.67*	
22 11 16 00-0094	EA	5", 150 Lb., Galvanized Malleable Iron Tee	1,222.54	123.19
		For 300 Lb. Rating, Add	*3,539.64*	
		For ASTM 120, Deduct	*-155.67*	
		For Work In Restricted Working Space, Add	*55.42*	
22 11 16 00-0095	EA	6", 150 Lb., Galvanized Malleable Iron Tee	1,388.24	140.82
		For 300 Lb. Rating, Add	*4,014.88*	
		For ASTM 120, Deduct	*-176.57*	
		For Work In Restricted Working Space, Add	*63.34*	
22 11 16 00-0096	EA	8", 150 Lb., Galvanized Malleable Iron Tee	1,651.99	167.21
		For 300 Lb. Rating, Add	*4,770.58*	
		For ASTM 120, Deduct	*-209.80*	
		For Work In Restricted Working Space, Add	*76.01*	

22 11 16 00-0097 Galvanized Malleable Iron Reducing Tee *(22 11 16 00-0013)*

22 11 16 00-0098	EA	1/2", 150 Lb., Galvanized Malleable Iron Reducing Tee	47.42	23.93
		For 300 Lb. Rating, Add	*41.22*	
		For ASTM 120, Deduct	*-1.72*	
		For Work In Restricted Working Space, Add	*10.78*	
22 11 16 00-0099	EA	3/4", 150 Lb., Galvanized Malleable Iron Reducing Tee	52.79	27.70
		For 300 Lb. Rating, Add	*41.01*	
		For ASTM 120, Deduct	*-1.70*	
		For Work In Restricted Working Space, Add	*12.44*	
22 11 16 00-0100	EA	1", 150 Lb., Galvanized Malleable Iron Reducing Tee	64.92	32.66
		For 300 Lb. Rating, Add	*57.10*	
		For ASTM 120, Deduct	*-2.39*	
		For Work In Restricted Working Space, Add	*14.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0101	EA	1-1/4", 150 Lb., Galvanized Malleable Iron Reducing Tee	82.96	38.91
		For 300 Lb. Rating, Add	*87.48*	
		For ASTM 120, Deduct	*-3.71*	
		For Work In Restricted Working Space, Add	*17.48*	
22 11 16 00-0102	EA	1-1/2", 150 Lb., Galvanized Malleable Iron Reducing Tee	100.04	46.35
		For 300 Lb. Rating, Add	*107.87*	
		For ASTM 120, Deduct	*-4.58*	
		For Work In Restricted Working Space, Add	*20.86*	
22 11 16 00-0103	EA	2", 150 Lb., Galvanized Malleable Iron Reducing Tee	130.77	57.56
		For 300 Lb. Rating, Add	*156.61*	
		For ASTM 120, Deduct	*-6.68*	
		For Work In Restricted Working Space, Add	*25.87*	
22 11 16 00-0104	EA	2-1/2", 150 Lb., Galvanized Malleable Iron Reducing Tee	251.32	62.73
		For 300 Lb. Rating, Add	*540.46*	
		For ASTM 120, Deduct	*-23.60*	
		For Work In Restricted Working Space, Add	*28.21*	
22 11 16 00-0105	EA	3", 150 Lb., Galvanized Malleable Iron Reducing Tee	319.26	76.86
		For 300 Lb. Rating, Add	*700.52*	
		For ASTM 120, Deduct	*-30.60*	
		For Work In Restricted Working Space, Add	*34.58*	
22 11 16 00-0106	EA	4", 150 Lb., Galvanized Malleable Iron Reducing Tee	746.93	103.77
		For 300 Lb. Rating, Add	*2,019.99*	
		For ASTM 120, Deduct	*-88.71*	
		For Work In Restricted Working Space, Add	*46.67*	
22 11 16 00-0107	EA	5", 150 Lb., Galvanized Malleable Iron Reducing Tee	1,556.11	123.19
		For 300 Lb. Rating, Add	*4,673.78*	
		For ASTM 120, Deduct	*-205.71*	
		For Work In Restricted Working Space, Add	*55.42*	
22 11 16 00-0108	EA	6", 150 Lb., Galvanized Malleable Iron Reducing Tee	1,766.91	140.82
		For 300 Lb. Rating, Add	*5,302.35*	
		For ASTM 120, Deduct	*-233.37*	
		For Work In Restricted Working Space, Add	*63.34*	
22 11 16 00-0109	EA	8", 150 Lb., Galvanized Malleable Iron Reducing Tee	2,118.66	161.70
		For 300 Lb. Rating, Add	*6,392.56*	
		For ASTM 120, Deduct	*-281.38*	
		For Work In Restricted Working Space, Add	*72.83*	

22 11 16 00-0110 Galvanized Malleable Iron Couplings *(22 11 16 00-0013)*

22 11 16 00-0111	EA	1/2", 150 Lb., Galvanized Malleable Iron Coupling	37.99	19.19
		For 300 Lb. Rating, Add	*33.14*	
		For ASTM 120, Deduct	*-1.39*	
		For Work In Restricted Working Space, Add	*8.63*	
22 11 16 00-0112	EA	3/4", 150 Lb., Galvanized Malleable Iron Coupling	42.82	21.46
		For 300 Lb. Rating, Add	*38.14*	
		For ASTM 120, Deduct	*-1.60*	
		For Work In Restricted Working Space, Add	*9.65*	
22 11 16 00-0113	EA	1", 150 Lb., Galvanized Malleable Iron Coupling	53.38	23.93
		For 300 Lb. Rating, Add	*61.49*	
		For ASTM 120, Deduct	*-2.62*	
		For Work In Restricted Working Space, Add	*10.78*	
22 11 16 00-0114	EA	1-1/4", 150 Lb., Galvanized Malleable Iron Coupling	65.29	27.17
		For 300 Lb. Rating, Add	*86.15*	
		For ASTM 120, Deduct	*-3.69*	
		For Work In Restricted Working Space, Add	*12.20*	
22 11 16 00-0115	EA	1-1/2", 150 Lb., Galvanized Malleable Iron Coupling	73.85	30.61
		For 300 Lb. Rating, Add	*97.88*	
		For ASTM 120, Deduct	*-4.20*	
		For Work In Restricted Working Space, Add	*13.76*	
22 11 16 00-0116	EA	2", 150 Lb., Galvanized Malleable Iron Coupling	99.17	38.91
		For 300 Lb. Rating, Add	*142.59*	
		For ASTM 120, Deduct	*-6.14*	
		For Work In Restricted Working Space, Add	*17.48*	
22 11 16 00-0117	EA	2-1/2", 150 Lb., Galvanized Malleable Iron Coupling	211.46	57.56
		For 300 Lb. Rating, Add	*430.96*	
		For ASTM 120, Deduct	*-18.78*	
		For Work In Restricted Working Space, Add	*25.87*	
22 11 16 00-0118	EA	3", 150 Lb., Galvanized Malleable Iron Coupling	280.84	75.67
		For 300 Lb. Rating, Add	*575.90*	
		For ASTM 120, Deduct	*-25.11*	
		For Work In Restricted Working Space, Add	*34.04*	
22 11 16 00-0119	EA	4", 150 Lb., Galvanized Malleable Iron Coupling	478.63	82.12
		For 300 Lb. Rating, Add	*1,216.02*	
		For ASTM 120, Deduct	*-53.32*	
		For Work In Restricted Working Space, Add	*36.95*	
22 11 16 00-0120	EA	5", 150 Lb., Galvanized Malleable Iron Coupling	1,129.44	85.71
		For 300 Lb. Rating, Add	*3,410.91*	
		For ASTM 120, Deduct	*-150.14*	
		For Work In Restricted Working Space, Add	*38.55*	
22 11 16 00-0121	EA	6", 150 Lb., Galvanized Malleable Iron Coupling	1,274.69	89.62
		For 300 Lb. Rating, Add	*3,885.22*	
		For ASTM 120, Deduct	*-171.05*	
		For Work In Restricted Working Space, Add	*40.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0122	EA	8", 150 Lb., Galvanized Malleable Iron Coupling	1,514.75	93.65
		For 300 Lb. Rating, Add	*4,681.21*	
		For ASTM 120, Deduct	*-206.15*	
		For Work In Restricted Working Space, Add	*42.12*	

22 11 16 00-0123 Galvanized Malleable Iron Reducing Couplings *(22 11 16 00-0013)*

22 11 16 00-0124	EA	1/2", 150 Lb., Galvanized Malleable Iron Reducing Coupling	39.96	19.19
		For 300 Lb. Rating, Add	*39.84*	
		For ASTM 120, Deduct	*-1.68*	
		For Work In Restricted Working Space, Add	*8.63*	
22 11 16 00-0125	EA	3/4", 150 Lb., Galvanized Malleable Iron Reducing Coupling	44.16	21.46
		For 300 Lb. Rating, Add	*42.70*	
		For ASTM 120, Deduct	*-1.80*	
		For Work In Restricted Working Space, Add	*9.65*	
22 11 16 00-0126	EA	1", 150 Lb., Galvanized Malleable Iron Reducing Coupling	55.91	23.93
		For 300 Lb. Rating, Add	*70.09*	
		For ASTM 120, Deduct	*-3.00*	
		For Work In Restricted Working Space, Add	*10.78*	
22 11 16 00-0127	EA	1-1/4", 150 Lb., Galvanized Malleable Iron Reducing Coupling	66.50	27.17
		For 300 Lb. Rating, Add	*90.26*	
		For ASTM 120, Deduct	*-3.87*	
		For Work In Restricted Working Space, Add	*12.20*	
22 11 16 00-0128	EA	1-1/2", 150 Lb., Galvanized Malleable Iron Reducing Coupling	79.19	30.61
		For 300 Lb. Rating, Add	*116.04*	
		For ASTM 120, Deduct	*-5.00*	
		For Work In Restricted Working Space, Add	*13.76*	
22 11 16 00-0129	EA	2", 150 Lb., Galvanized Malleable Iron Reducing Coupling	103.71	38.91
		For 300 Lb. Rating, Add	*158.03*	
		For ASTM 120, Deduct	*-6.82*	
		For Work In Restricted Working Space, Add	*17.48*	
22 11 16 00-0130	EA	2-1/2", 150 Lb., Galvanized Malleable Iron Reducing Coupling	213.05	57.56
		For 300 Lb. Rating, Add	*436.36*	
		For ASTM 120, Deduct	*-19.02*	
		For Work In Restricted Working Space, Add	*25.87*	
22 11 16 00-0131	EA	3", 150 Lb., Galvanized Malleable Iron Reducing Coupling	276.09	75.67
		For 300 Lb. Rating, Add	*559.75*	
		For ASTM 120, Deduct	*-24.39*	
		For Work In Restricted Working Space, Add	*34.04*	
22 11 16 00-0132	EA	4", 150 Lb., Galvanized Malleable Iron Reducing Coupling	487.78	82.12
		For 300 Lb. Rating, Add	*1,247.13*	
		For ASTM 120, Deduct	*-54.69*	
		For Work In Restricted Working Space, Add	*36.95*	
22 11 16 00-0133	EA	5", 150 Lb., Galvanized Malleable Iron Reducing Coupling	1,182.13	85.71
		For 300 Lb. Rating, Add	*3,590.05*	
		For ASTM 120, Deduct	*-158.04*	
		For Work In Restricted Working Space, Add	*38.55*	
22 11 16 00-0134	EA	6", 150 Lb., Galvanized Malleable Iron Reducing Coupling	1,334.71	89.62
		For 300 Lb. Rating, Add	*4,089.29*	
		For ASTM 120, Deduct	*-180.05*	
		For Work In Restricted Working Space, Add	*40.31*	
22 11 16 00-0135	EA	8", 150 Lb., Galvanized Malleable Iron Reducing Coupling	1,587.62	93.65
		For 300 Lb. Rating, Add	*4,928.97*	
		For ASTM 120, Deduct	*-217.08*	
		For Work In Restricted Working Space, Add	*42.12*	

22 11 16 00-0136 Galvanized Malleable Iron Caps *(22 11 16 00-0013)*

22 11 16 00-0137	EA	1/2", 150 Lb., Galvanized Malleable Iron Cap	15.57	8.94
		For 300 Lb. Rating, Add	*7.91*	
		For ASTM 120, Deduct	*-0.31*	
		For Work In Restricted Working Space, Add	*4.04*	
22 11 16 00-0138	EA	3/4", 150 Lb., Galvanized Malleable Iron Cap	17.26	9.59
		For 300 Lb. Rating, Add	*10.69*	
		For ASTM 120, Deduct	*-0.43*	
		For Work In Restricted Working Space, Add	*4.31*	
22 11 16 00-0139	EA	1", 150 Lb., Galvanized Malleable Iron Cap	20.17	11.10
		For 300 Lb. Rating, Add	*13.20*	
		For ASTM 120, Deduct	*-0.54*	
		For Work In Restricted Working Space, Add	*4.97*	
22 11 16 00-0140	EA	1-1/4", 150 Lb., Galvanized Malleable Iron Cap	22.11	11.64
		For 300 Lb. Rating, Add	*17.09*	
		For ASTM 120, Deduct	*-0.71*	
		For Work In Restricted Working Space, Add	*5.22*	
22 11 16 00-0141	EA	1-1/2", 150 Lb., Galvanized Malleable Iron Cap	21.81	11.64
		For 300 Lb. Rating, Add	*16.07*	
		For ASTM 120, Deduct	*-0.66*	
		For Work In Restricted Working Space, Add	*5.22*	
22 11 16 00-0142	EA	2", 150 Lb., Galvanized Malleable Iron Cap	32.64	15.41
		For 300 Lb. Rating, Add	*33.55*	
		For ASTM 120, Deduct	*-1.42*	
		For Work In Restricted Working Space, Add	*6.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0143	EA	2-1/2", 150 Lb., Galvanized Malleable Iron Cap	49.98	19.19
		For 300 Lb. Rating, Add	*73.91*	
		For ASTM 120, Deduct	*-3.18*	
		For Work In Restricted Working Space, Add	*8.63*	
22 11 16 00-0144	EA	3", 150 Lb., Galvanized Malleable Iron Cap	65.00	23.18
		For 300 Lb. Rating, Add	*104.87*	
		For ASTM 120, Deduct	*-4.53*	
		For Work In Restricted Working Space, Add	*10.43*	
22 11 16 00-0145	EA	4", 150 Lb., Galvanized Malleable Iron Cap	98.74	28.18
		For 300 Lb. Rating, Add	*194.67*	
		For ASTM 120, Deduct	*-8.48*	
		For Work In Restricted Working Space, Add	*12.67*	
22 11 16 00-0146	EA	5", 150 Lb., Galvanized Malleable Iron Cap	240.39	35.26
		For 300 Lb. Rating, Add	*641.04*	
		For ASTM 120, Deduct	*-28.14*	
		For Work In Restricted Working Space, Add	*15.83*	
22 11 16 00-0147	EA	6", 150 Lb., Galvanized Malleable Iron Cap	299.33	41.90
		For 300 Lb. Rating, Add	*807.67*	
		For ASTM 120, Deduct	*-35.47*	
		For Work In Restricted Working Space, Add	*18.87*	
22 11 16 00-0148	EA	8", 150 Lb., Galvanized Malleable Iron Cap	376.62	46.82
		For 300 Lb. Rating, Add	*1,046.04*	
		For ASTM 120, Deduct	*-45.96*	
		For Work In Restricted Working Space, Add	*21.06*	

22 11 16 00-0149 Galvanized Malleable Iron FIP Threaded, Unions *(22 11 16 00-0013)*

22 11 16 00-0150	EA	1/2", 150 Lb., Galvanized Malleable Iron Union	49.90	23.93
		For Work In Restricted Working Space, Add	*10.78*	
22 11 16 00-0151	EA	3/4", 150 Lb., Galvanized Malleable Iron Union	57.51	27.70
		For Work In Restricted Working Space, Add	*12.44*	
22 11 16 00-0152	EA	1", 150 Lb., Galvanized Malleable Iron Union	70.01	32.66
		For Work In Restricted Working Space, Add	*14.70*	
22 11 16 00-0153	EA	1-1/4", 150 Lb., Galvanized Malleable Iron Union	88.65	38.91
		For Work In Restricted Working Space, Add	*17.48*	
22 11 16 00-0154	EA	1-1/2", 150 Lb., Galvanized Malleable Iron Union	106.36	46.35
		For Work In Restricted Working Space, Add	*20.86*	
22 11 16 00-0155	EA	2", 150 Lb., Galvanized Malleable Iron Union	128.56	57.56
		For Work In Restricted Working Space, Add	*25.87*	
22 11 16 00-0156	EA	2-1/2", 150 Lb., Galvanized Malleable Iron Union	274.33	84.83
		For Work In Restricted Working Space, Add	*38.19*	
22 11 16 00-0157	EA	3", 150 Lb., Galvanized Malleable Iron Union	373.29	111.57
		For Work In Restricted Working Space, Add	*50.25*	
22 11 16 00-0158	EA	1/2", 250 Lb., Galvanized Malleable Iron Union	64.33	23.93
		For Work In Restricted Working Space, Add	*10.78*	
22 11 16 00-0159	EA	3/4", 250 Lb., Galvanized Malleable Iron Union	67.27	27.70
		For Work In Restricted Working Space, Add	*12.44*	
22 11 16 00-0160	EA	1", 250 Lb., Galvanized Malleable Iron Union	80.99	32.66
		For Work In Restricted Working Space, Add	*14.70*	
22 11 16 00-0161	EA	1-1/4", 250 Lb., Galvanized Malleable Iron Union	106.71	38.91
		For Work In Restricted Working Space, Add	*17.48*	
22 11 16 00-0162	EA	1-1/2", 250 Lb., Galvanized Malleable Iron Union	125.32	46.35
		For Work In Restricted Working Space, Add	*20.86*	
22 11 16 00-0163	EA	2", 250 Lb., Galvanized Malleable Iron Union	165.01	57.56
		For Work In Restricted Working Space, Add	*25.87*	
22 11 16 00-0164	EA	2-1/2", 250 Lb., Galvanized Malleable Iron Union	334.54	84.83
		For Work In Restricted Working Space, Add	*38.19*	
22 11 16 00-0165	EA	3", 250 Lb., Galvanized Malleable Iron Union	485.45	111.57
		For Work In Restricted Working Space, Add	*50.25*	
22 11 16 00-0166	EA	4", 250 Lb., Galvanized Malleable Iron Union	680.57	121.18
		For Work In Restricted Working Space, Add	*54.54*	
22 11 16 00-0167	EA	1/2", 300 Lb., Galvanized Malleable Iron Union	68.30	23.93
		For Work In Restricted Working Space, Add	*10.78*	
22 11 16 00-0168	EA	3/4", 300 Lb., Galvanized Malleable Iron Union	76.56	27.70
		For Work In Restricted Working Space, Add	*12.44*	
22 11 16 00-0169	EA	1", 300 Lb., Galvanized Malleable Iron Union	95.55	32.66
		For Work In Restricted Working Space, Add	*14.70*	
22 11 16 00-0170	EA	1-1/4", 300 Lb., Galvanized Malleable Iron Union	123.18	38.91
		For Work In Restricted Working Space, Add	*17.48*	
22 11 16 00-0171	EA	1-1/2", 300 Lb., Galvanized Malleable Iron Union	147.71	46.35
		For Work In Restricted Working Space, Add	*20.86*	
22 11 16 00-0172	EA	2", 300 Lb., Galvanized Malleable Iron Union	180.06	57.56
		For Work In Restricted Working Space, Add	*25.87*	
22 11 16 00-0173	EA	2-1/2", 300 Lb., Galvanized Malleable Iron Union	389.02	84.83
		For Work In Restricted Working Space, Add	*38.19*	
22 11 16 00-0174	EA	3", 300 Lb., Galvanized Malleable Iron Union	610.12	111.57
		For Work In Restricted Working Space, Add	*50.25*	
22 11 16 00-0175	EA	4", 300 Lb., Galvanized Malleable Iron Union	1,291.93	121.18
		For Work In Restricted Working Space, Add	*54.54*	

22 11 16 00-0176 Galvanized Steel Nipples *(22 11 16 00-0013)*

Note: ASTM A-53.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0177	EA	3/8" x Close, Schedule 40 Galvanized Steel Nipple	18.53	10.24
		For Schedule 80 Nipples, Add	*3.57*	
		For ASTM 120, Deduct	*-0.47*	
		For Work In Restricted Working Space, Add	*4.62*	
22 11 16 00-0178	EA	1/2" x Close, Schedule 40 Galvanized Steel Nipple	17.93	10.24
		For Schedule 80 Nipples, Add	*2.88*	
		For ASTM 120, Deduct	*-0.38*	
		For Work In Restricted Working Space, Add	*4.62*	
22 11 16 00-0179	EA	3/4" x Close, Schedule 40 Galvanized Steel Nipple	18.47	10.24
		For Schedule 80 Nipples, Add	*3.50*	
		For ASTM 120, Deduct	*-0.46*	
		For Work In Restricted Working Space, Add	*4.62*	
22 11 16 00-0180	EA	1" x Close, Schedule 40 Galvanized Steel Nipple	20.79	11.10
		For Schedule 80 Nipples, Add	*4.80*	
		For ASTM 120, Deduct	*-0.63*	
		For Work In Restricted Working Space, Add	*4.97*	
22 11 16 00-0181	EA	1-1/4" x Close, Schedule 40 Galvanized Steel Nipple	23.62	11.97
		For Schedule 80 Nipples, Add	*6.44*	
		For ASTM 120, Deduct	*-0.85*	
		For Work In Restricted Working Space, Add	*5.39*	
22 11 16 00-0182	EA	1-1/2" x Close, Schedule 40 Galvanized Steel Nipple	24.60	11.97
		For Schedule 80 Nipples, Add	*7.56*	
		For ASTM 120, Deduct	*-0.99*	
		For Work In Restricted Working Space, Add	*5.39*	
22 11 16 00-0183	EA	2" x Close, Schedule 40 Galvanized Steel Nipple	32.53	15.41
		For Schedule 80 Nipples, Add	*10.66*	
		For ASTM 120, Deduct	*-1.40*	
		For Work In Restricted Working Space, Add	*6.95*	
22 11 16 00-0184	EA	2-1/2" x Close, Schedule 40 Galvanized Steel Nipple	56.58	19.19
		For Schedule 80 Nipples, Add	*31.73*	
		For ASTM 120, Deduct	*-4.17*	
		For Work In Restricted Working Space, Add	*8.63*	
22 11 16 00-0185	EA	3" x Close, Schedule 40 Galvanized Steel Nipple	68.12	23.18
		For Schedule 80 Nipples, Add	*38.02*	
		For ASTM 120, Deduct	*-5.00*	
		For Work In Restricted Working Space, Add	*10.43*	
22 11 16 00-0186	EA	4" x Close, Schedule 40 Galvanized Steel Nipple	92.21	28.18
		For Schedule 80 Nipples, Add	*56.98*	
		For ASTM 120, Deduct	*-7.50*	
		For Work In Restricted Working Space, Add	*12.67*	
22 11 16 00-0187	EA	3/8" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple	18.99	10.24
		For Schedule 80 Nipples, Add	*4.09*	
		For ASTM 120, Deduct	*-0.54*	
		For Work In Restricted Working Space, Add	*4.62*	
22 11 16 00-0188	EA	1/2" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple	18.06	10.24
		For Schedule 80 Nipples, Add	*3.03*	
		For ASTM 120, Deduct	*-0.40*	
		For Work In Restricted Working Space, Add	*4.62*	
22 11 16 00-0189	EA	3/4" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple	18.74	10.24
		For Schedule 80 Nipples, Add	*3.81*	
		For ASTM 120, Deduct	*-0.50*	
		For Work In Restricted Working Space, Add	*4.62*	
22 11 16 00-0190	EA	3/8" x 2" Long, Schedule 40 Galvanized Steel Nipple	18.99	10.24
		For Schedule 80 Nipples, Add	*4.09*	
		For ASTM 120, Deduct	*-0.54*	
		For Work In Restricted Working Space, Add	*4.62*	
22 11 16 00-0191	EA	1/2" x 2" Long, Schedule 40 Galvanized Steel Nipple	18.06	10.24
		For Schedule 80 Nipples, Add	*3.03*	
		For ASTM 120, Deduct	*-0.40*	
		For Work In Restricted Working Space, Add	*4.62*	
22 11 16 00-0192	EA	3/4" x 2" Long, Schedule 40 Galvanized Steel Nipple	18.74	10.24
		For Schedule 80 Nipples, Add	*3.81*	
		For ASTM 120, Deduct	*-0.50*	
		For Work In Restricted Working Space, Add	*4.62*	
22 11 16 00-0193	EA	1" x 2" Long, Schedule 40 Galvanized Steel Nipple	21.55	11.10
		For Schedule 80 Nipples, Add	*5.67*	
		For ASTM 120, Deduct	*-0.75*	
		For Work In Restricted Working Space, Add	*4.97*	
22 11 16 00-0194	EA	1-1/4" x 2" Long, Schedule 40 Galvanized Steel Nipple	24.03	11.97
		For Schedule 80 Nipples, Add	*6.91*	
		For ASTM 120, Deduct	*-0.91*	
		For Work In Restricted Working Space, Add	*5.39*	
22 11 16 00-0195	EA	1-1/2" x 2" Long, Schedule 40 Galvanized Steel Nipple	25.09	11.97
		For Schedule 80 Nipples, Add	*8.12*	
		For ASTM 120, Deduct	*-1.07*	
		For Work In Restricted Working Space, Add	*5.39*	
22 11 16 00-0196	EA	3/8" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	20.18	10.24
		For Schedule 80 Nipples, Add	*5.45*	
		For ASTM 120, Deduct	*-0.72*	
		For Work In Restricted Working Space, Add	*4.62*	
22 11 16 00-0197	EA	1/2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	18.53	10.24
		For Schedule 80 Nipples, Add	*3.57*	
		For ASTM 120, Deduct	*-0.47*	
		For Work In Restricted Working Space, Add	*4.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0198	EA	3/4" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	19.10	10.24
		For Schedule 80 Nipples, Add	*4.22*	
		For ASTM 120, Deduct	*-0.56*	
		For Work In Restricted Working Space, Add	*4.62*	
22 11 16 00-0199	EA	1" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	21.96	11.10
		For Schedule 80 Nipples, Add	*6.13*	
		For ASTM 120, Deduct	*-0.81*	
		For Work In Restricted Working Space, Add	*4.97*	
22 11 16 00-0200	EA	1-1/4" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	24.63	11.97
		For Schedule 80 Nipples, Add	*7.59*	
		For ASTM 120, Deduct	*-1.00*	
		For Work In Restricted Working Space, Add	*5.39*	
22 11 16 00-0201	EA	1-1/2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	25.91	11.97
		For Schedule 80 Nipples, Add	*9.05*	
		For ASTM 120, Deduct	*-1.19*	
		For Work In Restricted Working Space, Add	*5.39*	
22 11 16 00-0202	EA	2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	33.70	15.41
		For Schedule 80 Nipples, Add	*11.99*	
		For ASTM 120, Deduct	*-1.58*	
		For Work In Restricted Working Space, Add	*6.95*	
22 11 16 00-0203	EA	3/8" x 3" Long, Schedule 40 Galvanized Steel Nipple	20.18	10.24
		For Schedule 80 Nipples, Add	*5.45*	
		For ASTM 120, Deduct	*-0.72*	
		For Work In Restricted Working Space, Add	*4.62*	
22 11 16 00-0204	EA	1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple	18.53	10.24
		For Schedule 80 Nipples, Add	*3.57*	
		For ASTM 120, Deduct	*-0.47*	
		For Work In Restricted Working Space, Add	*4.62*	
22 11 16 00-0205	EA	3/4" x 3" Long, Schedule 40 Galvanized Steel Nipple	19.10	10.24
		For Schedule 80 Nipples, Add	*4.22*	
		For ASTM 120, Deduct	*-0.56*	
		For Work In Restricted Working Space, Add	*4.62*	
22 11 16 00-0206	EA	1" x 3" Long, Schedule 40 Galvanized Steel Nipple	21.96	11.10
		For Schedule 80 Nipples, Add	*6.13*	
		For ASTM 120, Deduct	*-0.81*	
		For Work In Restricted Working Space, Add	*4.97*	
22 11 16 00-0207	EA	1-1/4" x 3" Long, Schedule 40 Galvanized Steel Nipple	24.63	11.97
		For Schedule 80 Nipples, Add	*7.59*	
		For ASTM 120, Deduct	*-1.00*	
		For Work In Restricted Working Space, Add	*5.39*	
22 11 16 00-0208	EA	1-1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple	25.91	11.97
		For Schedule 80 Nipples, Add	*9.05*	
		For ASTM 120, Deduct	*-1.19*	
		For Work In Restricted Working Space, Add	*5.39*	
22 11 16 00-0209	EA	2" x 3" Long, Schedule 40 Galvanized Steel Nipple	33.70	15.41
		For Schedule 80 Nipples, Add	*11.99*	
		For ASTM 120, Deduct	*-1.58*	
		For Work In Restricted Working Space, Add	*6.95*	
22 11 16 00-0210	EA	2-1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple	57.64	19.19
		For Schedule 80 Nipples, Add	*32.93*	
		For ASTM 120, Deduct	*-4.33*	
		For Work In Restricted Working Space, Add	*8.63*	
22 11 16 00-0211	EA	3" x 3" Long, Schedule 40 Galvanized Steel Nipple	72.71	23.18
		For Schedule 80 Nipples, Add	*43.25*	
		For ASTM 120, Deduct	*-5.69*	
		For Work In Restricted Working Space, Add	*10.43*	
22 11 16 00-0212	EA	3/8" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	21.08	10.24
		For Schedule 80 Nipples, Add	*6.48*	
		For ASTM 120, Deduct	*-0.85*	
		For Work In Restricted Working Space, Add	*4.62*	
22 11 16 00-0213	EA	1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	19.26	10.24
		For Schedule 80 Nipples, Add	*4.40*	
		For ASTM 120, Deduct	*-0.58*	
		For Work In Restricted Working Space, Add	*4.62*	
22 11 16 00-0214	EA	3/4" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	20.18	10.24
		For Schedule 80 Nipples, Add	*5.45*	
		For ASTM 120, Deduct	*-0.72*	
		For Work In Restricted Working Space, Add	*4.62*	
22 11 16 00-0215	EA	1" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	23.05	11.10
		For Schedule 80 Nipples, Add	*7.38*	
		For ASTM 120, Deduct	*-0.97*	
		For Work In Restricted Working Space, Add	*4.97*	
22 11 16 00-0216	EA	1-1/4" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	25.91	11.97
		For Schedule 80 Nipples, Add	*9.05*	
		For ASTM 120, Deduct	*-1.19*	
		For Work In Restricted Working Space, Add	*5.39*	
22 11 16 00-0217	EA	1-1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	28.00	11.97
		For Schedule 80 Nipples, Add	*11.43*	
		For ASTM 120, Deduct	*-1.50*	
		For Work In Restricted Working Space, Add	*5.39*	
22 11 16 00-0218	EA	2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	35.95	15.41
		For Schedule 80 Nipples, Add	*14.56*	
		For ASTM 120, Deduct	*-1.92*	
		For Work In Restricted Working Space, Add	*6.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0219	EA	2-1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	62.29	19.19
		For Schedule 80 Nipples, Add	*38.24*	
		For ASTM 120, Deduct	*-5.03*	
		For Work In Restricted Working Space, Add	*8.63*	
22 11 16 00-0220	EA	3" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	79.29	23.18
		For Schedule 80 Nipples, Add	*50.75*	
		For ASTM 120, Deduct	*-6.68*	
		For Work In Restricted Working Space, Add	*10.43*	
22 11 16 00-0221	EA	3/8" x 4" Long, Schedule 40 Galvanized Steel Nipple	21.08	10.24
		For Schedule 80 Nipples, Add	*6.48*	
		For ASTM 120, Deduct	*-0.85*	
		For Work In Restricted Working Space, Add	*4.62*	
22 11 16 00-0222	EA	1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple	19.26	10.24
		For Schedule 80 Nipples, Add	*4.40*	
		For ASTM 120, Deduct	*-0.58*	
		For Work In Restricted Working Space, Add	*4.62*	
22 11 16 00-0223	EA	3/4" x 4" Long, Schedule 40 Galvanized Steel Nipple	21.08	10.24
		For Schedule 80 Nipples, Add	*6.48*	
		For ASTM 120, Deduct	*-0.85*	
		For Work In Restricted Working Space, Add	*4.62*	
22 11 16 00-0224	EA	1" x 4" Long, Schedule 40 Galvanized Steel Nipple	23.05	11.10
		For Schedule 80 Nipples, Add	*7.38*	
		For ASTM 120, Deduct	*-0.97*	
		For Work In Restricted Working Space, Add	*4.97*	
22 11 16 00-0225	EA	1-1/4" x 4" Long, Schedule 40 Galvanized Steel Nipple	25.91	11.97
		For Schedule 80 Nipples, Add	*9.05*	
		For ASTM 120, Deduct	*-1.19*	
		For Work In Restricted Working Space, Add	*5.39*	
22 11 16 00-0226	EA	1-1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple	28.00	11.97
		For Schedule 80 Nipples, Add	*11.43*	
		For ASTM 120, Deduct	*-1.50*	
		For Work In Restricted Working Space, Add	*5.39*	
22 11 16 00-0227	EA	2" x 4" Long, Schedule 40 Galvanized Steel Nipple	36.06	15.41
		For Schedule 80 Nipples, Add	*14.68*	
		For ASTM 120, Deduct	*-1.93*	
		For Work In Restricted Working Space, Add	*6.95*	
22 11 16 00-0228	EA	2-1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple	62.29	19.19
		For Schedule 80 Nipples, Add	*38.24*	
		For ASTM 120, Deduct	*-5.03*	
		For Work In Restricted Working Space, Add	*8.63*	
22 11 16 00-0229	EA	3" x 4" Long, Schedule 40 Galvanized Steel Nipple	79.29	23.18
		For Schedule 80 Nipples, Add	*50.75*	
		For ASTM 120, Deduct	*-6.68*	
		For Work In Restricted Working Space, Add	*10.43*	
22 11 16 00-0230	EA	4" x 4" Long, Schedule 40 Galvanized Steel Nipple	101.99	28.18
		For Schedule 80 Nipples, Add	*68.13*	
		For ASTM 120, Deduct	*-8.96*	
		For Work In Restricted Working Space, Add	*12.67*	
22 11 16 00-0231	EA	3/8" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	23.23	10.24
		For Schedule 80 Nipples, Add	*8.93*	
		For ASTM 120, Deduct	*-1.17*	
		For Work In Restricted Working Space, Add	*4.62*	
22 11 16 00-0232	EA	1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	20.05	10.24
		For Schedule 80 Nipples, Add	*5.30*	
		For ASTM 120, Deduct	*-0.70*	
		For Work In Restricted Working Space, Add	*4.62*	
22 11 16 00-0233	EA	3/4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	21.11	10.24
		For Schedule 80 Nipples, Add	*6.51*	
		For ASTM 120, Deduct	*-0.86*	
		For Work In Restricted Working Space, Add	*4.62*	
22 11 16 00-0234	EA	1" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	24.52	11.10
		For Schedule 80 Nipples, Add	*9.05*	
		For ASTM 120, Deduct	*-1.19*	
		For Work In Restricted Working Space, Add	*4.97*	
22 11 16 00-0235	EA	1-1/4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	27.78	11.97
		For Schedule 80 Nipples, Add	*11.18*	
		For ASTM 120, Deduct	*-1.47*	
		For Work In Restricted Working Space, Add	*5.39*	
22 11 16 00-0236	EA	1-1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	30.09	11.97
		For Schedule 80 Nipples, Add	*13.82*	
		For ASTM 120, Deduct	*-1.82*	
		For Work In Restricted Working Space, Add	*5.39*	
22 11 16 00-0237	EA	2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	39.49	15.41
		For Schedule 80 Nipples, Add	*18.59*	
		For ASTM 120, Deduct	*-2.45*	
		For Work In Restricted Working Space, Add	*6.95*	
22 11 16 00-0238	EA	2-1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	66.15	19.19
		For Schedule 80 Nipples, Add	*42.64*	
		For ASTM 120, Deduct	*-5.61*	
		For Work In Restricted Working Space, Add	*8.63*	
22 11 16 00-0239	EA	3" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	86.65	23.18
		For Schedule 80 Nipples, Add	*59.14*	
		For ASTM 120, Deduct	*-7.78*	
		For Work In Restricted Working Space, Add	*10.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0240	EA	4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	109.25	28.18
		For Schedule 80 Nipples, Add	*76.40*	
		For ASTM 120, Deduct	*-10.05*	
		For Work In Restricted Working Space, Add	*12.67*	
22 11 16 00-0241	EA	3/8" x 5" Long, Schedule 40 Galvanized Steel Nipple	23.23	10.24
		For Schedule 80 Nipples, Add	*8.93*	
		For ASTM 120, Deduct	*-1.17*	
		For Work In Restricted Working Space, Add	*4.62*	
22 11 16 00-0242	EA	1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple	20.05	10.24
		For Schedule 80 Nipples, Add	*5.30*	
		For ASTM 120, Deduct	*-0.70*	
		For Work In Restricted Working Space, Add	*4.62*	
22 11 16 00-0243	EA	3/4" x 5" Long, Schedule 40 Galvanized Steel Nipple	21.11	10.24
		For Schedule 80 Nipples, Add	*6.51*	
		For ASTM 120, Deduct	*-0.86*	
		For Work In Restricted Working Space, Add	*4.62*	
22 11 16 00-0244	EA	1" x 5" Long, Schedule 40 Galvanized Steel Nipple	24.52	11.10
		For Schedule 80 Nipples, Add	*9.05*	
		For ASTM 120, Deduct	*-1.19*	
		For Work In Restricted Working Space, Add	*4.97*	
22 11 16 00-0245	EA	1-1/4" x 5" Long, Schedule 40 Galvanized Steel Nipple	27.78	11.97
		For Schedule 80 Nipples, Add	*11.18*	
		For ASTM 120, Deduct	*-1.47*	
		For Work In Restricted Working Space, Add	*5.39*	
22 11 16 00-0246	EA	1-1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple	30.09	11.97
		For Schedule 80 Nipples, Add	*13.82*	
		For ASTM 120, Deduct	*-1.82*	
		For Work In Restricted Working Space, Add	*5.39*	
22 11 16 00-0247	EA	2" x 5" Long, Schedule 40 Galvanized Steel Nipple	39.49	15.41
		For Schedule 80 Nipples, Add	*18.59*	
		For ASTM 120, Deduct	*-2.45*	
		For Work In Restricted Working Space, Add	*6.95*	
22 11 16 00-0248	EA	2-1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple	66.15	19.19
		For Schedule 80 Nipples, Add	*42.64*	
		For ASTM 120, Deduct	*-5.61*	
		For Work In Restricted Working Space, Add	*8.63*	
22 11 16 00-0249	EA	3" x 5" Long, Schedule 40 Galvanized Steel Nipple	86.65	23.18
		For Schedule 80 Nipples, Add	*59.14*	
		For ASTM 120, Deduct	*-7.78*	
		For Work In Restricted Working Space, Add	*10.43*	
22 11 16 00-0250	EA	4" x 5" Long, Schedule 40 Galvanized Steel Nipple	109.25	28.18
		For Schedule 80 Nipples, Add	*76.40*	
		For ASTM 120, Deduct	*-10.05*	
		For Work In Restricted Working Space, Add	*12.67*	
22 11 16 00-0251	EA	3/8" x 6" Long, Schedule 40 Galvanized Steel Nipple	24.10	10.24
		For Schedule 80 Nipples, Add	*9.92*	
		For ASTM 120, Deduct	*-1.31*	
		For Work In Restricted Working Space, Add	*4.62*	
22 11 16 00-0252	EA	1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple	20.67	10.24
		For Schedule 80 Nipples, Add	*6.01*	
		For ASTM 120, Deduct	*-0.79*	
		For Work In Restricted Working Space, Add	*4.62*	
22 11 16 00-0253	EA	3/4" x 6" Long, Schedule 40 Galvanized Steel Nipple	22.25	10.24
		For Schedule 80 Nipples, Add	*7.81*	
		For ASTM 120, Deduct	*-1.03*	
		For Work In Restricted Working Space, Add	*4.62*	
22 11 16 00-0254	EA	1" x 6" Long, Schedule 40 Galvanized Steel Nipple	25.58	11.10
		For Schedule 80 Nipples, Add	*10.26*	
		For ASTM 120, Deduct	*-1.35*	
		For Work In Restricted Working Space, Add	*4.97*	
22 11 16 00-0255	EA	1-1/4" x 6" Long, Schedule 40 Galvanized Steel Nipple	29.36	11.97
		For Schedule 80 Nipples, Add	*12.98*	
		For ASTM 120, Deduct	*-1.71*	
		For Work In Restricted Working Space, Add	*5.39*	
22 11 16 00-0256	EA	1-1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple	31.61	11.97
		For Schedule 80 Nipples, Add	*15.55*	
		For ASTM 120, Deduct	*-2.05*	
		For Work In Restricted Working Space, Add	*5.39*	
22 11 16 00-0257	EA	2" x 6" Long, Schedule 40 Galvanized Steel Nipple	42.12	15.41
		For Schedule 80 Nipples, Add	*21.59*	
		For ASTM 120, Deduct	*-2.84*	
		For Work In Restricted Working Space, Add	*6.95*	
22 11 16 00-0258	EA	2-1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple	69.84	19.19
		For Schedule 80 Nipples, Add	*46.84*	
		For ASTM 120, Deduct	*-6.16*	
		For Work In Restricted Working Space, Add	*8.63*	
22 11 16 00-0259	EA	3" x 6" Long, Schedule 40 Galvanized Steel Nipple	89.64	23.18
		For Schedule 80 Nipples, Add	*62.55*	
		For ASTM 120, Deduct	*-8.23*	
		For Work In Restricted Working Space, Add	*10.43*	
22 11 16 00-0260	EA	4" x 6" Long, Schedule 40 Galvanized Steel Nipple	116.31	28.18
		For Schedule 80 Nipples, Add	*84.45*	
		For ASTM 120, Deduct	*-11.11*	
		For Work In Restricted Working Space, Add	*12.67*	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0261	EA	3/8" x 8" Long, Schedule 40 Galvanized Steel Nipple	50.16	10.24
		For Schedule 80 Nipples, Add	*39.63*	
		For ASTM 120, Deduct	*-5.21*	
		For Work In Restricted Working Space, Add	*4.62*	
22 11 16 00-0262	EA	1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple	24.69	10.24
		For Schedule 80 Nipples, Add	*10.59*	
		For ASTM 120, Deduct	*-1.39*	
		For Work In Restricted Working Space, Add	*4.62*	
22 11 16 00-0263	EA	3/4" x 8" Long, Schedule 40 Galvanized Steel Nipple	27.28	10.24
		For Schedule 80 Nipples, Add	*13.54*	
		For ASTM 120, Deduct	*-1.78*	
		For Work In Restricted Working Space, Add	*4.62*	
22 11 16 00-0264	EA	1" x 8" Long, Schedule 40 Galvanized Steel Nipple	31.64	11.10
		For Schedule 80 Nipples, Add	*17.17*	
		For ASTM 120, Deduct	*-2.26*	
		For Work In Restricted Working Space, Add	*4.97*	
22 11 16 00-0265	EA	1-1/4" x 8" Long, Schedule 40 Galvanized Steel Nipple	36.42	11.97
		For Schedule 80 Nipples, Add	*21.03*	
		For ASTM 120, Deduct	*-2.77*	
		For Work In Restricted Working Space, Add	*5.39*	
22 11 16 00-0266	EA	1-1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple	39.14	11.97
		For Schedule 80 Nipples, Add	*24.13*	
		For ASTM 120, Deduct	*-3.18*	
		For Work In Restricted Working Space, Add	*5.39*	
22 11 16 00-0267	EA	2" x 8" Long, Schedule 40 Galvanized Steel Nipple	54.05	15.41
		For Schedule 80 Nipples, Add	*35.19*	
		For ASTM 120, Deduct	*-4.63*	
		For Work In Restricted Working Space, Add	*6.95*	
22 11 16 00-0268	EA	2-1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple	81.64	19.19
		For Schedule 80 Nipples, Add	*60.29*	
		For ASTM 120, Deduct	*-7.93*	
		For Work In Restricted Working Space, Add	*8.63*	
22 11 16 00-0269	EA	3" x 8" Long, Schedule 40 Galvanized Steel Nipple	108.69	23.18
		For Schedule 80 Nipples, Add	*84.27*	
		For ASTM 120, Deduct	*-11.09*	
		For Work In Restricted Working Space, Add	*10.43*	
22 11 16 00-0270	EA	4" x 8" Long, Schedule 40 Galvanized Steel Nipple	130.64	28.18
		For Schedule 80 Nipples, Add	*100.79*	
		For ASTM 120, Deduct	*-13.26*	
		For Work In Restricted Working Space, Add	*12.67*	
22 11 16 00-0271	EA	3/8" x 10" Long, Schedule 40 Galvanized Steel Nipple	31.98	10.24
		For Schedule 80 Nipples, Add	*18.90*	
		For ASTM 120, Deduct	*-2.49*	
		For Work In Restricted Working Space, Add	*4.62*	
22 11 16 00-0272	EA	1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple	26.43	10.24
		For Schedule 80 Nipples, Add	*12.57*	
		For ASTM 120, Deduct	*-1.65*	
		For Work In Restricted Working Space, Add	*4.62*	
22 11 16 00-0273	EA	3/4" x 10" Long, Schedule 40 Galvanized Steel Nipple	28.58	10.24
		For Schedule 80 Nipples, Add	*15.03*	
		For ASTM 120, Deduct	*-1.98*	
		For Work In Restricted Working Space, Add	*4.62*	
22 11 16 00-0274	EA	1" x 10" Long, Schedule 40 Galvanized Steel Nipple	33.78	11.10
		For Schedule 80 Nipples, Add	*19.61*	
		For ASTM 120, Deduct	*-2.58*	
		For Work In Restricted Working Space, Add	*4.97*	
22 11 16 00-0275	EA	1-1/4" x 10" Long, Schedule 40 Galvanized Steel Nipple	40.04	11.97
		For Schedule 80 Nipples, Add	*25.16*	
		For ASTM 120, Deduct	*-3.31*	
		For Work In Restricted Working Space, Add	*5.39*	
22 11 16 00-0276	EA	1-1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple	42.65	11.97
		For Schedule 80 Nipples, Add	*28.14*	
		For ASTM 120, Deduct	*-3.70*	
		For Work In Restricted Working Space, Add	*5.39*	
22 11 16 00-0277	EA	2" x 10" Long, Schedule 40 Galvanized Steel Nipple	59.30	15.41
		For Schedule 80 Nipples, Add	*41.18*	
		For ASTM 120, Deduct	*-5.42*	
		For Work In Restricted Working Space, Add	*6.95*	
22 11 16 00-0278	EA	2-1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple	89.03	19.19
		For Schedule 80 Nipples, Add	*68.72*	
		For ASTM 120, Deduct	*-9.04*	
		For Work In Restricted Working Space, Add	*8.63*	
22 11 16 00-0279	EA	3" x 10" Long, Schedule 40 Galvanized Steel Nipple	119.10	23.18
		For Schedule 80 Nipples, Add	*96.14*	
		For ASTM 120, Deduct	*-12.65*	
		For Work In Restricted Working Space, Add	*10.43*	
22 11 16 00-0280	EA	4" x 10" Long, Schedule 40 Galvanized Steel Nipple	144.69	28.18
		For Schedule 80 Nipples, Add	*116.80*	
		For ASTM 120, Deduct	*-15.37*	
		For Work In Restricted Working Space, Add	*12.67*	
22 11 16 00-0281	EA	3/8" x 12" Long, Schedule 40 Galvanized Steel Nipple	33.77	10.24
		For Schedule 80 Nipples, Add	*20.94*	
		For ASTM 120, Deduct	*-2.76*	
		For Work In Restricted Working Space, Add	*4.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0282	EA	1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple	27.96	10.24
		For Schedule 80 Nipples, Add	*14.32*	
		For ASTM 120, Deduct	*-1.88*	
		For Work In Restricted Working Space, Add	*4.62*	
22 11 16 00-0283	EA	3/4" x 12" Long, Schedule 40 Galvanized Steel Nipple	30.18	10.24
		For Schedule 80 Nipples, Add	*16.85*	
		For ASTM 120, Deduct	*-2.22*	
		For Work In Restricted Working Space, Add	*4.62*	
22 11 16 00-0284	EA	1" x 12" Long, Schedule 40 Galvanized Steel Nipple	36.61	11.10
		For Schedule 80 Nipples, Add	*22.83*	
		For ASTM 120, Deduct	*-3.00*	
		For Work In Restricted Working Space, Add	*4.97*	
22 11 16 00-0285	EA	1-1/4" x 12" Long, Schedule 40 Galvanized Steel Nipple	44.47	11.97
		For Schedule 80 Nipples, Add	*30.21*	
		For ASTM 120, Deduct	*-3.98*	
		For Work In Restricted Working Space, Add	*5.39*	
22 11 16 00-0286	EA	1-1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple	46.21	11.97
		For Schedule 80 Nipples, Add	*32.19*	
		For ASTM 120, Deduct	*-4.24*	
		For Work In Restricted Working Space, Add	*5.39*	
22 11 16 00-0287	EA	2" x 12" Long, Schedule 40 Galvanized Steel Nipple	64.62	15.41
		For Schedule 80 Nipples, Add	*47.24*	
		For ASTM 120, Deduct	*-6.22*	
		For Work In Restricted Working Space, Add	*6.95*	
22 11 16 00-0288	EA	2-1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple	96.20	19.19
		For Schedule 80 Nipples, Add	*76.89*	
		For ASTM 120, Deduct	*-10.12*	
		For Work In Restricted Working Space, Add	*8.63*	
22 11 16 00-0289	EA	3" x 12" Long, Schedule 40 Galvanized Steel Nipple	129.59	23.18
		For Schedule 80 Nipples, Add	*108.09*	
		For ASTM 120, Deduct	*-14.22*	
		For Work In Restricted Working Space, Add	*10.43*	
22 11 16 00-0290	EA	4" x 12" Long, Schedule 40 Galvanized Steel Nipple	158.87	28.18
		For Schedule 80 Nipples, Add	*132.97*	
		For ASTM 120, Deduct	*-17.50*	
		For Work In Restricted Working Space, Add	*12.67*	

22 11 16 00-0291 Galvanized Steel Dielectric Nipples With Polyethylene Liner *(22 11 16 00-0013)*

See CSI section 22 11 16 00-0837 for dielectric unions.

22 11 16 00-0292	EA	1/2" Threaded x 2-1/2" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	17.79	10.24
		For Work In Restricted Working Space, Add	*4.62*	
22 11 16 00-0293	EA	1/2" Threaded x 3" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	18.15	10.24
		For Work In Restricted Working Space, Add	*4.62*	
22 11 16 00-0294	EA	3/4" Threaded x 2" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	18.48	10.24
		For Work In Restricted Working Space, Add	*4.62*	
22 11 16 00-0295	EA	3/4" Threaded x 2-1/2" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	19.68	10.24
		For Work In Restricted Working Space, Add	*4.62*	
22 11 16 00-0296	EA	3/4" Threaded x 3" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	20.92	10.24
		For Work In Restricted Working Space, Add	*4.62*	
22 11 16 00-0297	EA	3/4" Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	21.67	10.24
		For Work In Restricted Working Space, Add	*4.62*	
22 11 16 00-0298	EA	1" Threaded x 2-1/2" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	21.17	11.10
		For Work In Restricted Working Space, Add	*4.98*	
22 11 16 00-0299	EA	1" Threaded x 3" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	21.56	11.10
		For Work In Restricted Working Space, Add	*4.98*	
22 11 16 00-0300	EA	1" Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	27.57	11.10
		For Work In Restricted Working Space, Add	*4.98*	
22 11 16 00-0301	EA	1-1/4" Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	29.86	11.97
		For Work In Restricted Working Space, Add	*5.40*	
22 11 16 00-0302	EA	1-1/2" Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	33.17	11.97
		For Work In Restricted Working Space, Add	*5.40*	
22 11 16 00-0303	EA	2" Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	44.28	15.41
		For Work In Restricted Working Space, Add	*6.95*	
22 11 16 00-0304	EA	2-1/2" Threaded x 6" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	52.78	19.19
		For Work In Restricted Working Space, Add	*8.63*	
22 11 16 00-0305	EA	3" Threaded x 6" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	83.16	23.18
		For Work In Restricted Working Space, Add	*10.44*	

22 11 16 00-0306 Galvanized Malleable Iron Square Head Plugs *(22 11 16 00-0013)*

22 11 16 00-0307	EA	1/2", 150 Lb., Galvanized Malleable Iron Square Head Plug	18.70	7.66
		For 300 Lb. Rating, Add	*25.17*	
		For Work In Restricted Working Space, Add	*3.45*	
22 11 16 00-0308	EA	3/4", 150 Lb., Galvanized Malleable Iron Square Head Plug	20.07	8.62
		For 300 Lb. Rating, Add	*25.25*	
		For Work In Restricted Working Space, Add	*3.86*	
22 11 16 00-0309	EA	1", 150 Lb., Galvanized Malleable Iron Square Head Plug	22.26	9.59
		For 300 Lb. Rating, Add	*27.72*	
		For Work In Restricted Working Space, Add	*4.31*	
22 11 16 00-0310	EA	1-1/4", 150 Lb., Galvanized Malleable Iron Square Head Plug	28.41	10.89
		For 300 Lb. Rating, Add	*42.25*	
		For Work In Restricted Working Space, Add	*4.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0311	EA	1-1/2", 150 Lb., Galvanized Malleable Iron Square Head Plug	34.70	12.18
		For 300 Lb. Rating, Add	*56.72*	
		For Work In Restricted Working Space, Add	*5.50*	
22 11 16 00-0312	EA	2", 150 Lb., Galvanized Malleable Iron Square Head Plug	44.11	15.52
		For 300 Lb. Rating, Add	*72.12*	
		For Work In Restricted Working Space, Add	*6.99*	
22 11 16 00-0313	EA	2-1/2", 150 Lb., Galvanized Malleable Iron Square Head Plug	75.06	22.96
		For 300 Lb. Rating, Add	*140.01*	
		For Work In Restricted Working Space, Add	*10.35*	
22 11 16 00-0314	EA	3", 150 Lb., Galvanized Malleable Iron Square Head Plug	102.95	30.29
		For 300 Lb. Rating, Add	*198.43*	
		For Work In Restricted Working Space, Add	*13.62*	
22 11 16 00-0315	EA	4", 150 Lb., Galvanized Malleable Iron Square Head Plug	168.75	32.83
		For 300 Lb. Rating, Add	*409.22*	
		For Work In Restricted Working Space, Add	*14.78*	
22 11 16 00-0316	EA	5", 150 Lb., Galvanized Malleable Iron Square Head Plug	270.64	34.30
		For 300 Lb. Rating, Add	*748.47*	
		For Work In Restricted Working Space, Add	*15.42*	
22 11 16 00-0317	EA	6", 150 Lb., Galvanized Malleable Iron Square Head Plug	290.75	35.78
		For 300 Lb. Rating, Add	*809.06*	
		For Work In Restricted Working Space, Add	*16.12*	

22 11 16 00-0318 Galvanized Malleable Iron Bushing *(22 11 16 00-0013)*

22 11 16 00-0319	EA	3/4" x 1/2", 150 Lb., Galvanized Malleable Iron Bushing	39.70	20.27
		For Work In Restricted Working Space, Add	*9.14*	
22 11 16 00-0320	EA	1" x 1/2", 150 Lb., Galvanized Malleable Iron Bushing	43.38	21.56
		For Work In Restricted Working Space, Add	*9.70*	
22 11 16 00-0321	EA	1" x 3/4", 150 Lb., Galvanized Malleable Iron Bushing	44.52	22.74
		For Work In Restricted Working Space, Add	*10.22*	
22 11 16 00-0322	EA	1-1/4" x 1/2", 150 Lb., Galvanized Malleable Iron Bushing	50.19	23.18
		For Work In Restricted Working Space, Add	*10.41*	
22 11 16 00-0323	EA	1-1/4" x 3/4", 150 Lb., Galvanized Malleable Iron Bushing	50.49	24.26
		For Work In Restricted Working Space, Add	*10.93*	
22 11 16 00-0324	EA	1-1/4" x 1", 150 Lb., Galvanized Malleable Iron Bushing	52.37	25.54
		For Work In Restricted Working Space, Add	*11.49*	
22 11 16 00-0325	EA	1-1/2" x 1/2", 150 Lb., Galvanized Malleable Iron Bushing	57.76	24.90
		For Work In Restricted Working Space, Add	*11.19*	
22 11 16 00-0326	EA	1-1/2" x 3/4", 150 Lb., Galvanized Malleable Iron Bushing	59.47	25.98
		For Work In Restricted Working Space, Add	*11.71*	
22 11 16 00-0327	EA	1-1/2" x 1", 150 Lb., Galvanized Malleable Iron Bushing	59.34	27.27
		For Work In Restricted Working Space, Add	*12.27*	
22 11 16 00-0328	EA	1-1/2" x 1-1/4", 150 Lb., Galvanized Malleable Iron Bushing	60.28	28.89
		For Work In Restricted Working Space, Add	*12.98*	
22 11 16 00-0329	EA	2" x 1/2", 150 Lb., Galvanized Malleable Iron Bushing	69.05	29.00
		For Work In Restricted Working Space, Add	*13.05*	
22 11 16 00-0330	EA	2" x 3/4", 150 Lb., Galvanized Malleable Iron Bushing	68.99	30.18
		For Work In Restricted Working Space, Add	*13.57*	
22 11 16 00-0331	EA	2" x 1", 150 Lb., Galvanized Malleable Iron Bushing	69.56	31.37
		For Work In Restricted Working Space, Add	*14.13*	
22 11 16 00-0332	EA	2" x 1-1/4", 150 Lb., Galvanized Malleable Iron Bushing	71.94	32.99
		For Work In Restricted Working Space, Add	*14.84*	
22 11 16 00-0333	EA	2" x 1-1/2", 150 Lb., Galvanized Malleable Iron Bushing	71.78	34.71
		For Work In Restricted Working Space, Add	*15.62*	
22 11 16 00-0334	EA	2-1/2" x 3/4", 150 Lb., Galvanized Malleable Iron Bushing	96.17	39.46
		For Work In Restricted Working Space, Add	*17.76*	
22 11 16 00-0335	EA	2-1/2" x 1", 150 Lb., Galvanized Malleable Iron Bushing	98.04	40.75
		For Work In Restricted Working Space, Add	*18.32*	
22 11 16 00-0336	EA	2-1/2" x 1-1/4", 150 Lb., Galvanized Malleable Iron Bushing	100.42	42.26
		For Work In Restricted Working Space, Add	*19.04*	
22 11 16 00-0337	EA	2-1/2" x 1-1/2", 150 Lb., Galvanized Malleable Iron Bushing	102.34	44.09
		For Work In Restricted Working Space, Add	*19.82*	
22 11 16 00-0338	EA	2-1/2" x 2", 150 Lb., Galvanized Malleable Iron Bushing	104.39	48.18
		For Work In Restricted Working Space, Add	*21.68*	
22 11 16 00-0339	EA	3" x 3/4", 150 Lb., Galvanized Malleable Iron Bushing	121.62	48.50
		For Work In Restricted Working Space, Add	*21.85*	
22 11 16 00-0340	EA	3" x 1", 150 Lb., Galvanized Malleable Iron Bushing	123.49	49.80
		For Work In Restricted Working Space, Add	*22.41*	
22 11 16 00-0341	EA	3" x 1-1/4", 150 Lb., Galvanized Malleable Iron Bushing	125.86	51.41
		For Work In Restricted Working Space, Add	*23.12*	
22 11 16 00-0342	EA	3" x 1-1/2", 150 Lb., Galvanized Malleable Iron Bushing	127.50	53.14
		For Work In Restricted Working Space, Add	*23.90*	
22 11 16 00-0343	EA	3" x 2", 150 Lb., Galvanized Malleable Iron Bushing	129.23	57.23
		For Work In Restricted Working Space, Add	*25.76*	
22 11 16 00-0344	EA	3" x 2-1/2", 150 Lb., Galvanized Malleable Iron Bushing	145.73	66.61
		For Work In Restricted Working Space, Add	*29.95*	
22 11 16 00-0345	EA	4" x 3/4", 150 Lb., Galvanized Malleable Iron Bushing	179.60	51.51
		For Work In Restricted Working Space, Add	*23.20*	
22 11 16 00-0346	EA	4" x 1", 150 Lb., Galvanized Malleable Iron Bushing	181.43	52.78
		For Work In Restricted Working Space, Add	*23.75*	
22 11 16 00-0347	EA	4" x 1-1/4", 150 Lb., Galvanized Malleable Iron Bushing	183.75	54.36
		For Work In Restricted Working Space, Add	*24.45*	
22 11 16 00-0348	EA	4" x 1-1/2", 150 Lb., Galvanized Malleable Iron Bushing	186.30	56.06
		For Work In Restricted Working Space, Add	*25.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0349	EA	4" x 2", 150 Lb., Galvanized Malleable Iron Bushing	180.32	60.07
		For Work In Restricted Working Space, Add	*27.03*	
22 11 16 00-0350	EA	4" x 2-1/2", 150 Lb., Galvanized Malleable Iron Bushing	206.06	69.25
		For Work In Restricted Working Space, Add	*31.14*	
22 11 16 00-0351	EA	4" x 3", 150 Lb., Galvanized Malleable Iron Bushing	212.64	78.11
		For Work In Restricted Working Space, Add	*35.14*	

22 11 16 00-0352 Galvanized Malleable Iron Floor Flange *(22 11 16 00-0013)*

Note: Excludes fasteners to floor or wall.

22 11 16 00-0353	EA	1/2", 150 Lb., Galvanized Malleable Iron Floor Flange	67.30	39.39
22 11 16 00-0354	EA	3/4", 150 Lb., Galvanized Malleable Iron Floor Flange	73.56	43.11
22 11 16 00-0355	EA	1", 150 Lb., Galvanized Malleable Iron Floor Flange	84.61	48.72
22 11 16 00-0356	EA	1-1/4", 150 Lb., Galvanized Malleable Iron Floor Flange	87.98	50.45
22 11 16 00-0357	EA	1-1/2", 150 Lb., Galvanized Malleable Iron Floor Flange	95.75	54.87
22 11 16 00-0358	EA	2", 150 Lb., Galvanized Malleable Iron Floor Flange	103.43	57.23

22 11 16 00-0359 Galvanized Cast Iron Flanges *(22 11 16 00-0013)*

Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.

22 11 16 00-0360	EA	3/4", 125 Lb., Galvanized Cast Iron Flange	133.95	43.11
		For Work In Restricted Working Space, Add	*19.40*	
22 11 16 00-0361	EA	1", 125 Lb., Galvanized Cast Iron Flange	126.71	48.72
		For Work In Restricted Working Space, Add	*21.92*	
22 11 16 00-0362	EA	1-1/4", 125 Lb., Galvanized Cast Iron Flange	103.98	50.45
		For Work In Restricted Working Space, Add	*22.69*	
22 11 16 00-0363	EA	1-1/2", 125 Lb., Galvanized Cast Iron Flange	124.15	54.87
		For Work In Restricted Working Space, Add	*24.69*	
22 11 16 00-0364	EA	2", 125 Lb., Galvanized Cast Iron Flange	141.27	57.23
		For Work In Restricted Working Space, Add	*25.76*	
22 11 16 00-0365	EA	2-1/2", 125 Lb., Galvanized Cast Iron Flange	164.14	66.29
		For Work In Restricted Working Space, Add	*29.80*	
22 11 16 00-0366	EA	3", 125 Lb., Galvanized Cast Iron Flange	301.06	84.08
		For Work In Restricted Working Space, Add	*37.81*	
22 11 16 00-0367	EA	4", 125 Lb., Galvanized Cast Iron Flange	407.22	112.64
		For Work In Restricted Working Space, Add	*50.66*	
22 11 16 00-0368	EA	5", 125 Lb., Galvanized Cast Iron Flange	575.23	134.06
		For Work In Restricted Working Space, Add	*60.30*	
22 11 16 00-0369	EA	6", 125 Lb., Galvanized Cast Iron Flange	630.90	154.02
		For Work In Restricted Working Space, Add	*69.27*	
22 11 16 00-0370	EA	8", 125 Lb., Galvanized Cast Iron Flange	576.63	176.02
		For Work In Restricted Working Space, Add	*79.17*	

22 11 16 00-0371 Cut And Thread Existing In-Place Galvanized Steel Pipe *(22 11 16 00-0013)*

Note: For use when connecting pipe to an existing in-place system.

22 11 16 00-0372	EA	1/2", Cut And Thread Existing In Place Galvanized Steel Pipe	35.12	
		For Work In Restricted Working Space, Add	*10.54*	
22 11 16 00-0373	EA	3/4", Cut And Thread Existing In Place Galvanized Steel Pipe	38.63	
		For Work In Restricted Working Space, Add	*11.59*	
22 11 16 00-0374	EA	1", Cut And Thread Existing In Place Galvanized Steel Pipe	42.15	
		For Work In Restricted Working Space, Add	*12.65*	
22 11 16 00-0375	EA	1-1/4", Cut And Thread Existing In Place Galvanized Steel Pipe	45.65	
		For Work In Restricted Working Space, Add	*13.70*	
22 11 16 00-0376	EA	1-1/2", Cut And Thread Existing In Place Galvanized Steel Pipe	47.99	
		For Work In Restricted Working Space, Add	*14.40*	
22 11 16 00-0377	EA	2", Cut And Thread Existing In Place Galvanized Steel Pipe	50.33	
		For Work In Restricted Working Space, Add	*15.10*	
22 11 16 00-0378	EA	2-1/2", Cut And Thread Existing In Place Galvanized Steel Pipe	52.68	
		For Work In Restricted Working Space, Add	*15.80*	
22 11 16 00-0379	EA	3", Cut And Thread Existing In Place Galvanized Steel Pipe	55.01	
		For Work In Restricted Working Space, Add	*16.50*	
22 11 16 00-0380	EA	4", Cut And Thread Existing In Place Galvanized Steel Pipe	57.36	
		For Work In Restricted Working Space, Add	*17.21*	
22 11 16 00-0381	EA	6", Cut And Thread Existing In Place Galvanized Steel Pipe	62.04	
		For Work In Restricted Working Space, Add	*18.61*	
22 11 16 00-0382	EA	8", Cut And Thread Existing In Place Galvanized Steel Pipe	66.72	
		For Work In Restricted Working Space, Add	*20.02*	

22 11 16 00-0383 Copper Pipe And Fittings *(22 11 16)*

Note: Excludes hangers. See CSI section 22 11 16 00-0916 for pipe with fittings assembly.

22 11 16 00-0384 Copper Tube/Pipe *(22 11 16 00-0383)*

Note: Pipe based on inside diameter size. Excludes hangers and fittings (couplers, tees, elbows, etc).

22 11 16 00-0385 Hard Drawn Type L Copper Tube/Pipe *(22 11 16 00-0384)*

22 11 16 00-0386	LF	1/4" Hard Drawn Type L Copper Tube/Pipe	5.65	2.64
		For Medical/Oxygen Service Tubing, Add	*0.14*	
		For Up To 20, Add	*0.61*	
		For >200, Deduct	*-0.17*	
		For Work In Restricted Working Space, Add	*1.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0387	LF	3/8" Hard Drawn Type L Copper Tube/Pipe	6.61	2.74
		For Medical/Oxygen Service Tubing, Add	*0.20*	
		For Up To 20, Add	*0.72*	
		For >200, Deduct	*-0.25*	
		For Work In Restricted Working Space, Add	*1.24*	
22 11 16 00-0388	LF	1/2" Hard Drawn Type L Copper Tube/Pipe	7.26	2.86
		For Medical/Oxygen Service Tubing, Add	*0.24*	
		For Up To 20, Add	*0.80*	
		For >200, Deduct	*-0.30*	
		For Work In Restricted Working Space, Add	*1.29*	
22 11 16 00-0389	LF	3/4" Hard Drawn Type L Copper Tube/Pipe	9.37	3.03
		For Medical/Oxygen Service Tubing, Add	*0.39*	
		For Up To 20, Add	*1.06*	
		For >200, Deduct	*-0.48*	
		For Work In Restricted Working Space, Add	*1.37*	
22 11 16 00-0390	LF	1" Hard Drawn Type L Copper Tube/Pipe	12.08	3.40
		For Medical/Oxygen Service Tubing, Add	*0.56*	
		For Up To 20, Add	*1.38*	
		For >200, Deduct	*-0.70*	
		For Work In Restricted Working Space, Add	*1.53*	
22 11 16 00-0391	LF	1-1/4" Hard Drawn Type L Copper Tube/Pipe	17.20	5.06
		For Medical/Oxygen Service Tubing, Add	*0.77*	
		For Up To 20, Add	*1.96*	
		For >200, Deduct	*-0.96*	
		For Work In Restricted Working Space, Add	*2.28*	
22 11 16 00-0392	LF	1-1/2" Hard Drawn Type L Copper Tube/Pipe	20.84	5.66
		For Medical/Oxygen Service Tubing, Add	*0.99*	
		For Up To 20, Add	*2.39*	
		For >200, Deduct	*-1.24*	
		For Work In Restricted Working Space, Add	*2.54*	
22 11 16 00-0393	LF	2" Hard Drawn Type L Copper Tube/Pipe	30.01	6.98
		For Medical/Oxygen Service Tubing, Add	*1.56*	
		For Up To 20, Add	*3.49*	
		For >200, Deduct	*-1.96*	
		For Work In Restricted Working Space, Add	*3.14*	
22 11 16 00-0394	LF	2-1/2" Hard Drawn Type L Copper Tube/Pipe	52.89	8.20
		For Medical/Oxygen Service Tubing, Add	*2.26*	
		For Up To 20, Add	*6.00*	
		For >200, Deduct	*-2.83*	
		For Work In Restricted Working Space, Add	*7.39*	
22 11 16 00-0395	LF	3" Hard Drawn Type L Copper Tube/Pipe	66.66	9.67
		For Medical/Oxygen Service Tubing, Add	*3.01*	
		For Up To 20, Add	*7.61*	
		For >200, Deduct	*-3.77*	
		For Work In Restricted Working Space, Add	*8.69*	
22 11 16 00-0396	LF	4" Hard Drawn Type L Copper Tube/Pipe	99.86	10.91
		For Medical/Oxygen Service Tubing, Add	*5.37*	
		For Up To 20, Add	*11.66*	
		For >200, Deduct	*-6.72*	
		For Work In Restricted Working Space, Add	*9.81*	
22 11 16 00-0397	LF	5" Hard Drawn Type L Copper Tube/Pipe	156.17	12.52
		For Medical/Oxygen Service Tubing, Add	*9.49*	
		For Up To 20, Add	*18.58*	
		For >200, Deduct	*-11.86*	
		For Work In Restricted Working Space, Add	*11.27*	
22 11 16 00-0398	LF	6" Hard Drawn Type L Copper Tube/Pipe	214.25	19.41
		For Medical/Oxygen Service Tubing, Add	*12.48*	
		For Up To 20, Add	*25.33*	
		For >200, Deduct	*-15.60*	
		For Work In Restricted Working Space, Add	*17.46*	
22 11 16 00-0399	LF	8" Hard Drawn Type L Copper Tube/Pipe	358.79	21.58
		For Medical/Oxygen Service Tubing, Add	*23.53*	
		For Up To 20, Add	*43.23*	
		For >200, Deduct	*-29.41*	
		For Work In Restricted Working Space, Add	*19.41*	

22 11 16 00-0400 Hard Drawn Type K Copper Tube/Pipe *(22 11 16 00-0384)*

22 11 16 00-0401	LF	1/4" Hard Drawn Type K Copper Tube/Pipe	6.15	2.83
		For Medical/Oxygen Service Tubing, Add	*0.15*	
		For Up To 20, Add	*0.66*	
		For >200, Deduct	*-0.19*	
		For Work In Restricted Working Space, Add	*1.27*	
22 11 16 00-0402	LF	3/8" Hard Drawn Type K Copper Tube/Pipe	8.28	2.95
		For Medical/Oxygen Service Tubing, Add	*0.27*	
		For Up To 20, Add	*0.91*	
		For >200, Deduct	*-0.34*	
		For Work In Restricted Working Space, Add	*1.46*	
22 11 16 00-0403	LF	1/2" Hard Drawn Type K Copper Tube/Pipe	8.76	3.07
		For Medical/Oxygen Service Tubing, Add	*0.32*	
		For Up To 20, Add	*0.98*	
		For >200, Deduct	*-0.40*	
		For Work In Restricted Working Space, Add	*1.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0404	LF	3/4" Hard Drawn Type K Copper Tube/Pipe	12.75	3.25
		For Medical/Oxygen Service Tubing, Add	*0.58*	
		For Up To 20, Add	*1.46*	
		For >200, Deduct	*-0.73*	
		For Work In Restricted Working Space, Add	*1.64*	
22 11 16 00-0405	LF	1" Hard Drawn Type K Copper Tube/Pipe	15.49	3.66
		For Medical/Oxygen Service Tubing, Add	*0.77*	
		For Up To 20, Add	*1.79*	
		For >200, Deduct	*-0.97*	
		For Work In Restricted Working Space, Add	*1.75*	
22 11 16 00-0406	LF	1-1/4" Hard Drawn Type K Copper Tube/Pipe	20.29	5.45
		For Medical/Oxygen Service Tubing, Add	*0.96*	
		For Up To 20, Add	*2.33*	
		For >200, Deduct	*-1.20*	
		For Work In Restricted Working Space, Add	*2.48*	
22 11 16 00-0407	LF	1-1/2" Hard Drawn Type K Copper Tube/Pipe	24.69	6.07
		For Medical/Oxygen Service Tubing, Add	*1.23*	
		For Up To 20, Add	*2.85*	
		For >200, Deduct	*-1.54*	
		For Work In Restricted Working Space, Add	*2.79*	
22 11 16 00-0408	LF	2" Hard Drawn Type K Copper Tube/Pipe	35.05	7.50
		For Medical/Oxygen Service Tubing, Add	*1.89*	
		For Up To 20, Add	*4.10*	
		For >200, Deduct	*-2.37*	
		For Work In Restricted Working Space, Add	*3.41*	
22 11 16 00-0409	LF	2-1/2" Hard Drawn Type K Copper Tube/Pipe	60.03	8.81
		For Medical/Oxygen Service Tubing, Add	*2.82*	
		For Up To 20, Add	*6.89*	
		For >200, Deduct	*-3.53*	
		For Work In Restricted Working Space, Add	*7.43*	
22 11 16 00-0410	LF	3" Hard Drawn Type K Copper Tube/Pipe	80.11	10.40
		For Medical/Oxygen Service Tubing, Add	*3.86*	
		For Up To 20, Add	*9.22*	
		For >200, Deduct	*-4.82*	
		For Work In Restricted Working Space, Add	*9.57*	
22 11 16 00-0411	LF	4" Hard Drawn Type K Copper Tube/Pipe	122.09	11.72
		For Medical/Oxygen Service Tubing, Add	*6.88*	
		For Up To 20, Add	*14.36*	
		For >200, Deduct	*-8.60*	
		For Work In Restricted Working Space, Add	*10.84*	
22 11 16 00-0412	LF	5" Hard Drawn Type K Copper Tube/Pipe	200.16	13.47
		For Medical/Oxygen Service Tubing, Add	*12.60*	
		For Up To 20, Add	*23.95*	
		For >200, Deduct	*-15.75*	
		For Work In Restricted Working Space, Add	*12.80*	
22 11 16 00-0413	LF	6" Hard Drawn Type K Copper Tube/Pipe	294.76	20.87
		For Medical/Oxygen Service Tubing, Add	*18.08*	
		For Up To 20, Add	*35.13*	
		For >200, Deduct	*-22.60*	
		For Work In Restricted Working Space, Add	*20.63*	
22 11 16 00-0414	LF	8" Hard Drawn Type K Copper Tube/Pipe	498.93	23.20
		For Medical/Oxygen Service Tubing, Add	*33.85*	
		For Up To 20, Add	*60.47*	
		For >200, Deduct	*-42.32*	
		For Work In Restricted Working Space, Add	*22.73*	

22 11 16 00-0415 Hard Drawn Type M Copper Tube/Pipe *(22 11 16 00-0384)*

22 11 16 00-0416	LF	3/8" Hard Drawn Type M Copper Tube/Pipe	5.50	2.47
		For Up To 20, Add	*0.60*	
		For >200, Deduct	*-0.19*	
		For Work In Restricted Working Space, Add	*1.07*	
22 11 16 00-0417	LF	1/2" Hard Drawn Type M Copper Tube/Pipe	5.85	2.58
		For Up To 20, Add	*0.64*	
		For >200, Deduct	*-0.22*	
		For Work In Restricted Working Space, Add	*1.10*	
22 11 16 00-0418	LF	3/4" Hard Drawn Type M Copper Tube/Pipe	7.45	2.73
		For Up To 20, Add	*0.83*	
		For >200, Deduct	*-0.35*	
		For Work In Restricted Working Space, Add	*1.18*	
22 11 16 00-0419	LF	1" Hard Drawn Type M Copper Tube/Pipe	9.81	3.07
		For Up To 20, Add	*1.12*	
		For >200, Deduct	*-0.54*	
		For Work In Restricted Working Space, Add	*1.31*	
22 11 16 00-0420	LF	1-1/4" Hard Drawn Type M Copper Tube/Pipe	14.66	4.56
		For Up To 20, Add	*1.66*	
		For >200, Deduct	*-0.79*	
		For Work In Restricted Working Space, Add	*2.02*	
22 11 16 00-0421	LF	1-1/2" Hard Drawn Type M Copper Tube/Pipe	18.66	5.09
		For Up To 20, Add	*2.14*	
		For >200, Deduct	*-1.09*	
		For Work In Restricted Working Space, Add	*2.32*	
22 11 16 00-0422	LF	2" Hard Drawn Type M Copper Tube/Pipe	26.78	6.27
		For Up To 20, Add	*3.11*	
		For >200, Deduct	*-1.72*	
		For Work In Restricted Working Space, Add	*2.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0423	LF	2-1/2" Hard Drawn Type M Copper Tube/Pipe	48.24	7.38
		For Up To 20, Add	*5.45*	
		For >200, Deduct	*-2.50*	
		For Work In Restricted Working Space, Add	*6.98*	
22 11 16 00-0424	LF	3" Hard Drawn Type M Copper Tube/Pipe	59.35	8.70
		For Up To 20, Add	*6.77*	
		For >200, Deduct	*-3.32*	
		For Work In Restricted Working Space, Add	*7.85*	
22 11 16 00-0425	LF	4" Hard Drawn Type M Copper Tube/Pipe	92.67	9.82
		For Up To 20, Add	*10.82*	
		For >200, Deduct	*-6.22*	
		For Work In Restricted Working Space, Add	*9.15*	
22 11 16 00-0426	LF	5" Hard Drawn Type M Copper Tube/Pipe	155.91	11.27
		For Up To 20, Add	*18.61*	
		For >200, Deduct	*-12.07*	
		For Work In Restricted Working Space, Add	*10.57*	
22 11 16 00-0427	LF	6" Hard Drawn Type M Copper Tube/Pipe	215.78	17.48
		For Up To 20, Add	*25.61*	
		For >200, Deduct	*-16.12*	
		For Work In Restricted Working Space, Add	*16.37*	
22 11 16 00-0428	LF	8" Hard Drawn Type M Copper Tube/Pipe	365.54	19.42
		For Up To 20, Add	*44.19*	
		For >200, Deduct	*-30.55*	
		For Work In Restricted Working Space, Add	*18.00*	

22 11 16 00-0429 Soft Drawn Type L Copper Tube *(22 11 16 00-0384)*

22 11 16 00-0430	LF	1/4" Soft Drawn Type L Copper Tube	6.13	2.64
		For Up To 20, Add	*0.67*	
		For >200, Deduct	*-0.22*	
		For Work In Restricted Working Space, Add	*1.18*	
22 11 16 00-0431	LF	3/8" Soft Drawn Type L Copper Tube	7.53	2.74
		For Up To 20, Add	*0.84*	
		For >200, Deduct	*-0.34*	
		For Work In Restricted Working Space, Add	*1.24*	
22 11 16 00-0432	LF	1/2" Soft Drawn Type L Copper Tube	8.86	2.86
		For Up To 20, Add	*1.00*	
		For >200, Deduct	*-0.46*	
		For Work In Restricted Working Space, Add	*1.29*	
22 11 16 00-0433	LF	5/8" Soft Drawn Type L Copper Tube	10.29	2.95
		For Up To 20, Add	*1.18*	
		For >200, Deduct	*-0.59*	
		For Work In Restricted Working Space, Add	*1.33*	
22 11 16 00-0434	LF	3/4" Soft Drawn Type L Copper Tube	11.55	3.03
		For Up To 20, Add	*1.33*	
		For >200, Deduct	*-0.70*	
		For Work In Restricted Working Space, Add	*1.37*	
22 11 16 00-0435	LF	1" Soft Drawn Type L Copper Tube	14.80	3.40
		For Up To 20, Add	*1.72*	
		For >200, Deduct	*-0.97*	
		For Work In Restricted Working Space, Add	*1.53*	
22 11 16 00-0436	LF	1-1/4" Soft Drawn Type L Copper Tube	20.35	5.06
		For Up To 20, Add	*2.35*	
		For >200, Deduct	*-1.28*	
		For Work In Restricted Working Space, Add	*2.28*	
22 11 16 00-0437	LF	1-1/2" Soft Drawn Type L Copper Tube	25.77	5.66
		For Up To 20, Add	*3.01*	
		For >200, Deduct	*-1.73*	
		For Work In Restricted Working Space, Add	*2.54*	
22 11 16 00-0438	LF	2" Soft Drawn Type L Copper Tube	37.95	6.98
		For Up To 20, Add	*4.48*	
		For >200, Deduct	*-2.75*	
		For Work In Restricted Working Space, Add	*3.14*	

22 11 16 00-0439 Soft Drawn Type K Copper Tube *(22 11 16 00-0384)*

22 11 16 00-0440	LF	1/4" Soft Drawn Type K Copper Tube	6.35	2.64
		For Up To 20, Add	*0.70*	
		For >200, Deduct	*-0.24*	
		For Work In Restricted Working Space, Add	*1.18*	
22 11 16 00-0441	LF	3/8" Soft Drawn Type K Copper Tube	8.24	2.74
		For Up To 20, Add	*0.93*	
		For >200, Deduct	*-0.41*	
		For Work In Restricted Working Space, Add	*1.24*	
22 11 16 00-0442	LF	1/2" Soft Drawn Type K Copper Tube	9.45	2.86
		For Up To 20, Add	*1.07*	
		For >200, Deduct	*-0.52*	
		For Work In Restricted Working Space, Add	*1.29*	
22 11 16 00-0443	LF	5/8" Soft Drawn Type K Copper Tube	10.57	2.95
		For Up To 20, Add	*1.21*	
		For >200, Deduct	*-0.62*	
		For Work In Restricted Working Space, Add	*1.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0444	LF	3/4" Soft Drawn Type K Copper Tube	14.09	3.03
		For Up To 20, Add	*1.65*	
		For >200, Deduct	*-0.95*	
		For Work In Restricted Working Space, Add	*1.37*	
22 11 16 00-0445	LF	1" Soft Drawn Type K Copper Tube	17.78	3.40
		For Up To 20, Add	*2.09*	
		For >200, Deduct	*-1.27*	
		For Work In Restricted Working Space, Add	*1.53*	
22 11 16 00-0446	LF	1-1/4" Soft Drawn Type K Copper Tube	22.53	5.06
		For Up To 20, Add	*2.63*	
		For >200, Deduct	*-1.49*	
		For Work In Restricted Working Space, Add	*2.28*	
22 11 16 00-0447	LF	1-1/2" Soft Drawn Type K Copper Tube	29.24	5.66
		For Up To 20, Add	*3.44*	
		For >200, Deduct	*-2.08*	
		For Work In Restricted Working Space, Add	*2.54*	
22 11 16 00-0448	LF	2" Soft Drawn Type K Copper Tube	42.71	6.98
		For Up To 20, Add	*5.08*	
		For >200, Deduct	*-3.23*	
		For Work In Restricted Working Space, Add	*3.14*	
22 11 16 00-0449	LF	2-1/2" Soft Drawn Type K Copper Tube	60.93	8.37
		For Up To 20, Add	*7.30*	
		For >200, Deduct	*-4.84*	
		For Work In Restricted Working Space, Add	*3.76*	
22 11 16 00-0450	LF	3" Soft Drawn Type K Copper Tube	82.12	9.88
		For Up To 20, Add	*9.90*	
		For >200, Deduct	*-6.73*	
		For Work In Restricted Working Space, Add	*4.44*	

22 11 16 00-0451 Copper And Brass Fittings *(22 11 16 00-0383)*

Note: All fittings are based on 95/5 solder.

22 11 16 00-0452 90 Degree Copper Elbows *(22 11 16 00-0451)*

22 11 16 00-0453	EA	1/4" 90 Degree Copper Elbow	26.83	15.62
		For Silver Solder Instead Of 95/5 Solder, Add	*3.68*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.51*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.51*	
		For Street Fitting, Add	*1.37*	
		For Work In Restricted Working Space, Add	*7.02*	
22 11 16 00-0454	EA	3/8" 90 Degree Copper Elbow	31.70	18.73
		For Silver Solder Instead Of 95/5 Solder, Add	*4.39*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.99*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.21*	
		For Street Fitting, Add	*1.44*	
		For Work In Restricted Working Space, Add	*8.43*	
22 11 16 00-0455	EA	1/2" 90 Degree Copper Elbow	39.80	25.75
		For Silver Solder Instead Of 95/5 Solder, Add	*5.85*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.92*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.79*	
		For Street Fitting, Add	*0.47*	
		For Work In Restricted Working Space, Add	*11.59*	
22 11 16 00-0456	EA	3/4" 90 Degree Copper Elbow	50.63	32.08
		For Silver Solder Instead Of 95/5 Solder, Add	*7.33*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.93*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.20*	
		For Street Fitting, Add	*1.06*	
		For Work In Restricted Working Space, Add	*14.40*	
22 11 16 00-0457	EA	1" 90 Degree Copper Elbow	63.81	38.28
		For Silver Solder Instead Of 95/5 Solder, Add	*8.93*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.06*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.60*	
		For Street Fitting, Add	*2.58*	
		For Work In Restricted Working Space, Add	*17.21*	
22 11 16 00-0458	EA	1-1/4" 90 Degree Copper Elbow	71.68	41.44
		For Silver Solder Instead Of 95/5 Solder, Add	*9.79*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.69*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.31*	
		For Street Fitting, Add	*3.86*	
		For Work In Restricted Working Space, Add	*18.61*	
22 11 16 00-0459	EA	1-1/2" 90 Degree Copper Elbow	82.96	45.30
		For Silver Solder Instead Of 95/5 Solder, Add	*10.94*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.54*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.18*	
		For Street Fitting, Add	*6.03*	
		For Work In Restricted Working Space, Add	*20.37*	
22 11 16 00-0460	EA	2" 90 Degree Copper Elbow	103.56	50.80
		For Silver Solder Instead Of 95/5 Solder, Add	*12.79*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.98*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.41*	
		For Street Fitting, Add	*10.99*	
		For Work In Restricted Working Space, Add	*22.82*	
22 11 16 00-0461	EA	2-1/2" 90 Degree Copper Elbow	125.81	51.73
		For Silver Solder Instead Of 95/5 Solder, Add	*14.05*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.17*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.64*	
		For Work In Restricted Working Space, Add	*23.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0462	EA	3" 90 Degree Copper Elbow	160.68	61.87
		For Silver Solder Instead Of 95/5 Solder, Add	*17.30*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-12.67*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.91*	
		For Work In Restricted Working Space, Add	*27.81*	
22 11 16 00-0463	EA	4" 90 Degree Copper Elbow	296.43	87.75
		For Silver Solder Instead Of 95/5 Solder, Add	*27.97*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-21.40*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*19.73*	
		For Work In Restricted Working Space, Add	*39.45*	
22 11 16 00-0464	EA	5" 90 Degree Copper Elbow	870.97	120.08
		For Silver Solder Instead Of 95/5 Solder, Add	*61.55*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-52.55*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*27.00*	
		For Work In Restricted Working Space, Add	*54.00*	
22 11 16 00-0465	EA	6" 90 Degree Copper Elbow	1,183.05	174.73
		For Silver Solder Instead Of 95/5 Solder, Add	*85.35*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-72.25*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*39.29*	
		For Work In Restricted Working Space, Add	*78.58*	
22 11 16 00-0466	EA	8" 90 Degree Copper Elbow	3,756.86	232.94
		For Silver Solder Instead Of 95/5 Solder, Add	*222.77*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-205.31*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*52.39*	
		For Work In Restricted Working Space, Add	*104.77*	
22 11 16 00-0467		**90 Degree Brass Elbows** *(22 11 16 00-0451)*		
22 11 16 00-0468	EA	1/2" Drop Ear 90 Degree Brass Elbow	45.99	25.75
		For Silver Solder Instead Of 95/5 Solder, Add	*6.16*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.23*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.79*	
		For Work In Restricted Working Space, Add	*11.59*	
22 11 16 00-0469	EA	3/4" Drop Ear 90 Degree Brass Elbow	69.44	32.08
		For Silver Solder Instead Of 95/5 Solder, Add	*8.27*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.87*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.20*	
		For Work In Restricted Working Space, Add	*14.40*	
22 11 16 00-0470	EA	1/2" Flanged Sink 90 Degree Brass Elbow	52.04	25.75
		For Silver Solder Instead Of 95/5 Solder, Add	*6.47*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.53*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.79*	
		For Work In Restricted Working Space, Add	*11.59*	
22 11 16 00-0471	EA	3/8" Drop Ear 90 Degree Brass Elbow, Solder X Threaded	39.09	18.73
		For Silver Solder Instead Of 95/5 Solder, Add	*4.76*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.36*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.21*	
		For Work In Restricted Working Space, Add	*8.43*	
22 11 16 00-0472	EA	1/2" Drop Ear 90 Degree Brass Elbow, Solder X Threaded	46.51	25.75
		For Silver Solder Instead Of 95/5 Solder, Add	*6.19*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.26*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.79*	
		For Work In Restricted Working Space, Add	*11.59*	
22 11 16 00-0473	EA	3/4" Drop Ear 90 Degree Brass Elbow, Solder X Threaded	61.86	32.08
		For Silver Solder Instead Of 95/5 Solder, Add	*7.89*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.49*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.20*	
		For Work In Restricted Working Space, Add	*14.40*	
22 11 16 00-0474	EA	1" Drop Ear 90 Degree Brass Elbow, Solder X Threaded	101.63	38.28
		For Silver Solder Instead Of 95/5 Solder, Add	*10.82*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.95*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.60*	
		For Work In Restricted Working Space, Add	*17.21*	
22 11 16 00-0475		**Reducing 90 Degree Copper Elbows** *(22 11 16 00-0451)*		
22 11 16 00-0476	EA	1/2" Reducing 90 Degree Copper Elbow	48.14	25.75
		For Silver Solder Instead Of 95/5 Solder, Add	*6.27*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.34*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.79*	
		For Work In Restricted Working Space, Add	*11.59*	
22 11 16 00-0477	EA	3/4" Reducing 90 Degree Copper Elbow	54.73	32.08
		For Silver Solder Instead Of 95/5 Solder, Add	*7.54*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.14*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.20*	
		For Work In Restricted Working Space, Add	*14.40*	
22 11 16 00-0478	EA	1" Reducing 90 Degree Copper Elbow	69.73	38.28
		For Silver Solder Instead Of 95/5 Solder, Add	*9.22*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.35*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.60*	
		For Work In Restricted Working Space, Add	*17.21*	
22 11 16 00-0479	EA	1-1/4" Reducing 90 Degree Copper Elbow	93.55	41.44
		For Silver Solder Instead Of 95/5 Solder, Add	*10.88*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.78*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.31*	
		For Work In Restricted Working Space, Add	*18.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0480	EA	1-1/2" Reducing 90 Degree Copper Elbow	109.30	45.30
		For Silver Solder Instead Of 95/5 Solder, Add	*12.25*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.86*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.18*	
		For Work In Restricted Working Space, Add	*20.37*	
22 11 16 00-0481	EA	2" Reducing 90 Degree Copper Elbow	131.81	50.80
		For Silver Solder Instead Of 95/5 Solder, Add	*14.20*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.39*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.41*	
		For Work In Restricted Working Space, Add	*22.82*	
22 11 16 00-0482		45 Degree Copper Elbows *(22 11 16 00-0451)*		
22 11 16 00-0483	EA	1/4" 45 Degree Copper Elbow	29.79	15.62
		For Silver Solder Instead Of 95/5 Solder, Add	*3.83*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.66*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.51*	
		For Street Fitting, Add	*2.55*	
		For Work In Restricted Working Space, Add	*7.02*	
22 11 16 00-0484	EA	3/8" 45 Degree Copper Elbow	33.56	18.73
		For Silver Solder Instead Of 95/5 Solder, Add	*4.49*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.08*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.21*	
		For Street Fitting, Add	*2.19*	
		For Work In Restricted Working Space, Add	*8.43*	
22 11 16 00-0485	EA	1/2" 45 Degree Copper Elbow	40.78	25.75
		For Silver Solder Instead Of 95/5 Solder, Add	*5.90*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.97*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.79*	
		For Street Fitting, Add	*0.86*	
		For Work In Restricted Working Space, Add	*11.59*	
22 11 16 00-0486	EA	3/4" 45 Degree Copper Elbow	51.67	32.08
		For Silver Solder Instead Of 95/5 Solder, Add	*7.38*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.98*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.20*	
		For Street Fitting, Add	*1.47*	
		For Work In Restricted Working Space, Add	*14.40*	
22 11 16 00-0487	EA	1" 45 Degree Copper Elbow	66.54	38.28
		For Silver Solder Instead Of 95/5 Solder, Add	*9.06*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.20*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.60*	
		For Street Fitting, Add	*3.67*	
		For Work In Restricted Working Space, Add	*17.21*	
22 11 16 00-0488	EA	1-1/4" 45 Degree Copper Elbow	74.48	41.44
		For Silver Solder Instead Of 95/5 Solder, Add	*9.93*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.83*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.31*	
		For Street Fitting, Add	*4.98*	
		For Work In Restricted Working Space, Add	*18.61*	
22 11 16 00-0489	EA	1-1/2" 45 Degree Copper Elbow	83.16	45.30
		For Silver Solder Instead Of 95/5 Solder, Add	*10.95*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.55*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.18*	
		For Street Fitting, Add	*6.11*	
		For Work In Restricted Working Space, Add	*20.37*	
22 11 16 00-0490	EA	2" 45 Degree Copper Elbow	101.54	50.80
		For Silver Solder Instead Of 95/5 Solder, Add	*12.69*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.88*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.41*	
		For Work In Restricted Working Space, Add	*22.82*	
22 11 16 00-0491	EA	2-1/2" 45 Degree Copper Elbow	125.23	51.73
		For Silver Solder Instead Of 95/5 Solder, Add	*14.02*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.14*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.64*	
		For Work In Restricted Working Space, Add	*23.28*	
22 11 16 00-0492	EA	3" 45 Degree Copper Elbow	163.36	61.87
		For Silver Solder Instead Of 95/5 Solder, Add	*17.44*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-12.80*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.91*	
		For Work In Restricted Working Space, Add	*27.81*	
22 11 16 00-0493	EA	4" 45 Degree Copper Elbow	282.16	87.75
		For Silver Solder Instead Of 95/5 Solder, Add	*27.26*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-20.68*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*19.73*	
		For Work In Restricted Working Space, Add	*39.45*	
22 11 16 00-0494	EA	5" 45 Degree Copper Elbow	763.50	120.08
		For Silver Solder Instead Of 95/5 Solder, Add	*56.18*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-47.18*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*27.00*	
		For Work In Restricted Working Space, Add	*54.00*	
22 11 16 00-0495	EA	6" 45 Degree Copper Elbow	1,181.47	174.73
		For Silver Solder Instead Of 95/5 Solder, Add	*85.27*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-72.17*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*39.29*	
		For Work In Restricted Working Space, Add	*78.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0496	EA	8" 45 Degree Copper Elbow	3,473.77	232.94
		For Silver Solder Instead Of 95/5 Solder, Add	*208.61*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-191.15*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*52.39*	
		For Work In Restricted Working Space, Add	*104.77*	

22 11 16 00-0497 Straight Copper And Brass Tees *(22 11 16 00-0451)*

22 11 16 00-0498	EA	1/4" Straight Copper Tee	42.28	23.41
		For Silver Solder Instead Of 95/5 Solder, Add	*5.63*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.87*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.27*	
		For Work In Restricted Working Space, Add	*10.54*	
22 11 16 00-0499	EA	3/8" Straight Copper Tee	47.90	28.09
		For Silver Solder Instead Of 95/5 Solder, Add	*6.61*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.50*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.32*	
		For Work In Restricted Working Space, Add	*12.64*	
22 11 16 00-0500	EA	1/2" Straight Copper Tee	60.55	39.09
		For Silver Solder Instead Of 95/5 Solder, Add	*8.88*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.95*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.78*	
		For Work In Restricted Working Space, Add	*17.56*	
22 11 16 00-0501	EA	3/4" Straight Copper Tee	77.39	48.46
		For Silver Solder Instead Of 95/5 Solder, Add	*11.13*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.50*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.89*	
		For Work In Restricted Working Space, Add	*21.77*	
22 11 16 00-0502	EA	1" Straight Copper Tee	101.12	57.82
		For Silver Solder Instead Of 95/5 Solder, Add	*13.72*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.39*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.99*	
		For Work In Restricted Working Space, Add	*25.99*	
22 11 16 00-0503	EA	1-1/4" Straight Copper Tee	113.82	62.50
		For Silver Solder Instead Of 95/5 Solder, Add	*15.06*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.37*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.05*	
		For Work In Restricted Working Space, Add	*28.09*	
22 11 16 00-0504	EA	1-1/2" Straight Copper Tee	132.38	67.89
		For Silver Solder Instead Of 95/5 Solder, Add	*16.80*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.71*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*15.28*	
		For Work In Restricted Working Space, Add	*30.55*	
22 11 16 00-0505	EA	2" Straight Copper Tee	163.26	76.56
		For Silver Solder Instead Of 95/5 Solder, Add	*19.64*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-13.90*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*17.21*	
		For Work In Restricted Working Space, Add	*34.42*	
22 11 16 00-0506	EA	2-1/2" Straight Copper Tee	202.33	77.61
		For Silver Solder Instead Of 95/5 Solder, Add	*21.76*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-15.94*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*17.46*	
		For Work In Restricted Working Space, Add	*34.92*	
22 11 16 00-0507	EA	3" Straight Copper Tee	271.39	93.46
		For Silver Solder Instead Of 95/5 Solder, Add	*27.58*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-20.58*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*21.02*	
		For Work In Restricted Working Space, Add	*42.04*	
22 11 16 00-0508	EA	4" Straight Copper Tee	513.88	130.86
		For Silver Solder Instead Of 95/5 Solder, Add	*45.31*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-35.50*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*29.43*	
		For Work In Restricted Working Space, Add	*58.85*	
22 11 16 00-0509	EA	5" Straight Copper Tee	1,306.94	179.04
		For Silver Solder Instead Of 95/5 Solder, Add	*92.19*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-78.77*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*40.26*	
		For Work In Restricted Working Space, Add	*80.52*	
22 11 16 00-0510	EA	6" Straight Copper Tee	1,813.11	262.47
		For Silver Solder Instead Of 95/5 Solder, Add	*130.00*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-110.33*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*59.02*	
		For Work In Restricted Working Space, Add	*118.03*	
22 11 16 00-0511	EA	8" Straight Copper Tee	6,000.18	349.46
		For Silver Solder Instead Of 95/5 Solder, Add	*352.40*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-326.20*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*78.58*	
		For Work In Restricted Working Space, Add	*157.16*	
22 11 16 00-0512	EA	1/2" Cast Bronze Drop Ear Tee	70.93	39.09
		For Silver Solder Instead Of 95/5 Solder, Add	*9.40*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.47*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.78*	
		For Work In Restricted Working Space, Add	*17.56*	

22 11 16 00-0513 Reducing Copper Tees *(22 11 16 00-0451)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0514	EA	3/8" Reducing Copper Tee	48.84	24.93
		For Silver Solder Instead Of 95/5 Solder, Add	*6.19*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.31*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.62*	
		For Work In Restricted Working Space, Add	*11.24*	
22 11 16 00-0515	EA	1/2" Reducing Copper Tee	62.71	35.12
		For Silver Solder Instead Of 95/5 Solder, Add	*8.40*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.77*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.90*	
		For Work In Restricted Working Space, Add	*15.80*	
22 11 16 00-0516	EA	3/4" Reducing Copper Tee	73.00	45.30
		For Silver Solder Instead Of 95/5 Solder, Add	*10.44*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.04*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.18*	
		For Work In Restricted Working Space, Add	*20.37*	
22 11 16 00-0517	EA	1" Reducing Copper Tee	98.17	54.67
		For Silver Solder Instead Of 95/5 Solder, Add	*13.10*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.01*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.29*	
		For Work In Restricted Working Space, Add	*24.58*	
22 11 16 00-0518	EA	1-1/4" Reducing Copper Tee	113.60	59.35
		For Silver Solder Instead Of 95/5 Solder, Add	*14.58*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.13*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.34*	
		For Work In Restricted Working Space, Add	*26.69*	
22 11 16 00-0519	EA	1-1/2" Reducing Copper Tee	131.99	64.85
		For Silver Solder Instead Of 95/5 Solder, Add	*16.32*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.46*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.57*	
		For Work In Restricted Working Space, Add	*29.15*	
22 11 16 00-0520	EA	2" Reducing Copper Tee	159.22	72.57
		For Silver Solder Instead Of 95/5 Solder, Add	*18.85*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-13.40*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*16.33*	
		For Work In Restricted Working Space, Add	*32.66*	
22 11 16 00-0521	EA	2-1/2" Reducing Copper Tee	206.22	74.81
		For Silver Solder Instead Of 95/5 Solder, Add	*21.52*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-15.92*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*16.82*	
		For Work In Restricted Working Space, Add	*33.63*	
22 11 16 00-0522	EA	3" Reducing Copper Tee	283.92	86.23
		For Silver Solder Instead Of 95/5 Solder, Add	*27.13*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-20.66*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*19.40*	
		For Work In Restricted Working Space, Add	*38.81*	
22 11 16 00-0523	EA	4" Reducing Copper Tee	484.92	106.39
		For Silver Solder Instead Of 95/5 Solder, Add	*40.20*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-32.22*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*23.93*	
		For Work In Restricted Working Space, Add	*47.86*	
22 11 16 00-0524		**Copper Couplings** *(22 11 16 00-0451)*		
22 11 16 00-0525	EA	1/4" Copper Coupling	20.11	13.00
		For Silver Solder Instead Of 95/5 Solder, Add	*2.95*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.98*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*2.91*	
		For Work In Restricted Working Space, Add	*5.83*	
22 11 16 00-0526	EA	3/8" Copper Coupling	24.23	15.57
		For Silver Solder Instead Of 95/5 Solder, Add	*3.54*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.38*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.50*	
		For Work In Restricted Working Space, Add	*7.00*	
22 11 16 00-0527	EA	1/2" Copper Coupling	32.81	21.30
		For Silver Solder Instead Of 95/5 Solder, Add	*4.85*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.24*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.81*	
		For Work In Restricted Working Space, Add	*9.62*	
22 11 16 00-0528	EA	3/4" Copper Coupling	41.36	26.57
		For Silver Solder Instead Of 95/5 Solder, Add	*6.05*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.06*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.97*	
		For Work In Restricted Working Space, Add	*11.95*	
22 11 16 00-0529	EA	1" Copper Coupling	50.63	31.72
		For Silver Solder Instead Of 95/5 Solder, Add	*7.29*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.91*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.14*	
		For Work In Restricted Working Space, Add	*14.28*	
22 11 16 00-0530	EA	1-1/4" Copper Coupling	56.83	34.30
		For Silver Solder Instead Of 95/5 Solder, Add	*7.99*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.42*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.72*	
		For Work In Restricted Working Space, Add	*15.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0531	EA	1-1/2" Copper Coupling	63.41	37.57
		For Silver Solder Instead Of 95/5 Solder, Add	*8.81*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.99*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.45*	
		For Work In Restricted Working Space, Add	*16.91*	
22 11 16 00-0532	EA	2" Copper Coupling	74.90	42.02
		For Silver Solder Instead Of 95/5 Solder, Add	*10.06*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.90*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.47*	
		For Work In Restricted Working Space, Add	*18.95*	
22 11 16 00-0533	EA	2-1/2" Copper Coupling	85.42	42.47
		For Silver Solder Instead Of 95/5 Solder, Add	*10.65*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.46*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.57*	
		For Work In Restricted Working Space, Add	*19.14*	
22 11 16 00-0534	EA	3" Copper Coupling	108.38	52.60
		For Silver Solder Instead Of 95/5 Solder, Add	*13.32*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.37*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.84*	
		For Work In Restricted Working Space, Add	*23.69*	
22 11 16 00-0535	EA	4" Copper Coupling	176.69	74.48
		For Silver Solder Instead Of 95/5 Solder, Add	*20.02*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-14.43*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*16.78*	
		For Work In Restricted Working Space, Add	*33.57*	
22 11 16 00-0536	EA	5" Copper Coupling	297.06	107.90
		For Silver Solder Instead Of 95/5 Solder, Add	*31.05*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-22.95*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*24.30*	
		For Work In Restricted Working Space, Add	*48.60*	
22 11 16 00-0537	EA	6" Copper Coupling	458.92	157.05
		For Silver Solder Instead Of 95/5 Solder, Add	*46.52*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-34.73*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*35.36*	
		For Work In Restricted Working Space, Add	*70.72*	
22 11 16 00-0538	EA	8" Copper Coupling	1,037.78	209.33
		For Silver Solder Instead Of 95/5 Solder, Add	*83.32*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-67.61*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*47.15*	
		For Work In Restricted Working Space, Add	*94.30*	

22 11 16 00-0539 Reducing Copper Couplings *(22 11 16 00-0451)*

22 11 16 00-0540	EA	3/8" Reducing Copper Coupling	22.87	14.28
		For Silver Solder Instead Of 95/5 Solder, Add	*3.28*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.21*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.21*	
		For Work In Restricted Working Space, Add	*6.41*	
22 11 16 00-0541	EA	1/2" Reducing Copper Coupling	29.26	18.50
		For Silver Solder Instead Of 95/5 Solder, Add	*4.23*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.85*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.16*	
		For Work In Restricted Working Space, Add	*8.31*	
22 11 16 00-0542	EA	3/4" Reducing Copper Coupling	38.64	23.99
		For Silver Solder Instead Of 95/5 Solder, Add	*5.53*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.73*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.39*	
		For Work In Restricted Working Space, Add	*10.78*	
22 11 16 00-0543	EA	1" Reducing Copper Coupling	48.60	29.15
		For Silver Solder Instead Of 95/5 Solder, Add	*6.80*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.62*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.56*	
		For Work In Restricted Working Space, Add	*13.12*	
22 11 16 00-0544	EA	1-1/4" Reducing Copper Coupling	56.35	33.01
		For Silver Solder Instead Of 95/5 Solder, Add	*7.77*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.30*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.43*	
		For Work In Restricted Working Space, Add	*14.87*	
22 11 16 00-0545	EA	1-1/2" Reducing Copper Coupling	65.18	35.93
		For Silver Solder Instead Of 95/5 Solder, Add	*8.65*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.96*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.09*	
		For Work In Restricted Working Space, Add	*16.18*	
22 11 16 00-0546	EA	2" Reducing Copper Coupling	77.17	39.80
		For Silver Solder Instead Of 95/5 Solder, Add	*9.83*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.85*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.96*	
		For Work In Restricted Working Space, Add	*17.93*	
22 11 16 00-0547	EA	2-1/2" Reducing Copper Coupling	93.06	40.63
		For Silver Solder Instead Of 95/5 Solder, Add	*10.75*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.70*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.15*	
		For Work In Restricted Working Space, Add	*18.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0548	EA	3" Reducing Copper Coupling	111.03	47.53
		For Silver Solder Instead Of 95/5 Solder, Add	*12.69*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.12*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.71*	
		For Work In Restricted Working Space, Add	*21.42*	
22 11 16 00-0549	EA	4" Reducing Copper Coupling	174.13	63.60
		For Silver Solder Instead Of 95/5 Solder, Add	*18.25*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-13.48*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.31*	
		For Work In Restricted Working Space, Add	*28.63*	
22 11 16 00-0550	EA	5" Reducing Copper Coupling	441.34	89.03
		For Silver Solder Instead Of 95/5 Solder, Add	*35.43*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-28.75*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*20.04*	
		For Work In Restricted Working Space, Add	*40.08*	
22 11 16 00-0551	EA	6" Reducing Copper Coupling	647.01	113.50
		For Silver Solder Instead Of 95/5 Solder, Add	*49.40*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-40.87*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*25.57*	
		For Work In Restricted Working Space, Add	*51.14*	
22 11 16 00-0552	EA	8" Reducing Copper Coupling	1,285.10	183.03
		For Silver Solder Instead Of 95/5 Solder, Add	*91.74*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-78.00*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*41.23*	
		For Work In Restricted Working Space, Add	*82.46*	

22 11 16 00-0553 Male Copper Adapters *(22 11 16 00-0451)*

22 11 16 00-0554	EA	1/4" Male Copper Adapter	35.49	15.21
		For Silver Solder Instead Of 95/5 Solder, Add	*4.12*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.95*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.51*	
		For Work In Restricted Working Space, Add	*7.02*	
22 11 16 00-0555	EA	3/8" Male Copper Adapter	34.11	18.73
		For Silver Solder Instead Of 95/5 Solder, Add	*4.51*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.11*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.21*	
		For Work In Restricted Working Space, Add	*8.43*	
22 11 16 00-0556	EA	1/2" Male Copper Adapter	37.56	23.41
		For Silver Solder Instead Of 95/5 Solder, Add	*5.39*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.63*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.27*	
		For Work In Restricted Working Space, Add	*10.54*	
22 11 16 00-0557	EA	3/4" Male Copper Adapter	47.44	29.27
		For Silver Solder Instead Of 95/5 Solder, Add	*6.70*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.54*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.50*	
		For Work In Restricted Working Space, Add	*12.99*	
22 11 16 00-0558	EA	1" Male Copper Adapter	60.85	33.95
		For Silver Solder Instead Of 95/5 Solder, Add	*8.08*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.56*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.55*	
		For Work In Restricted Working Space, Add	*15.10*	
22 11 16 00-0559	EA	1-1/4" Male Copper Adapter	73.83	38.63
		For Silver Solder Instead Of 95/5 Solder, Add	*9.54*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.62*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.78*	
		For Work In Restricted Working Space, Add	*17.56*	
22 11 16 00-0560	EA	1-1/2" Male Copper Adapter	84.63	44.48
		For Silver Solder Instead Of 95/5 Solder, Add	*10.90*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.57*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.01*	
		For Work In Restricted Working Space, Add	*20.02*	
22 11 16 00-0561	EA	2" Male Copper Adapter	115.76	56.77
		For Silver Solder Instead Of 95/5 Solder, Add	*14.33*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.06*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.82*	
		For Work In Restricted Working Space, Add	*25.64*	
22 11 16 00-0562	EA	2-1/2" Male Copper Adapter	196.27	73.75
		For Silver Solder Instead Of 95/5 Solder, Add	*20.82*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-15.32*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*16.50*	
		For Work In Restricted Working Space, Add	*33.01*	
22 11 16 00-0563	EA	3" Male Copper Adapter	260.76	98.36
		For Silver Solder Instead Of 95/5 Solder, Add	*27.70*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-20.37*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*21.99*	
		For Work In Restricted Working Space, Add	*43.98*	
22 11 16 00-0564	EA	4" Male Copper Adapter	389.54	137.97
		For Silver Solder Instead Of 95/5 Solder, Add	*40.17*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-29.83*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*31.04*	
		For Work In Restricted Working Space, Add	*62.09*	

22 11 16 00-0565 Female Copper Adapters *(22 11 16 00-0451)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0566	EA	1/4" Female Copper Adapter	31.13	15.21
		For Silver Solder Instead Of 95/5 Solder, Add	*3.90*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.73*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.51*	
		For Work In Restricted Working Space, Add	*7.02*	
22 11 16 00-0567	EA	3/8" Female Copper Adapter	36.16	18.73
		For Silver Solder Instead Of 95/5 Solder, Add	*4.62*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.21*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.21*	
		For Work In Restricted Working Space, Add	*8.43*	
22 11 16 00-0568	EA	1/2" Female Copper Adapter	39.03	23.41
		For Silver Solder Instead Of 95/5 Solder, Add	*5.46*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.71*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.27*	
		For Work In Restricted Working Space, Add	*10.54*	
22 11 16 00-0569	EA	3/4" Female Copper Adapter	48.65	29.27
		For Silver Solder Instead Of 95/5 Solder, Add	*6.76*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.60*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.50*	
		For Work In Restricted Working Space, Add	*12.99*	
22 11 16 00-0570	EA	1" Female Copper Adapter	62.54	33.95
		For Silver Solder Instead Of 95/5 Solder, Add	*8.16*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.64*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.55*	
		For Work In Restricted Working Space, Add	*15.10*	
22 11 16 00-0571	EA	1-1/4" Female Copper Adapter	76.44	38.63
		For Silver Solder Instead Of 95/5 Solder, Add	*9.68*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.75*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.78*	
		For Work In Restricted Working Space, Add	*17.56*	
22 11 16 00-0572	EA	1-1/2" Female Copper Adapter	94.75	44.48
		For Silver Solder Instead Of 95/5 Solder, Add	*11.41*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.07*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.01*	
		For Work In Restricted Working Space, Add	*20.02*	
22 11 16 00-0573	EA	2" Female Copper Adapter	123.47	56.77
		For Silver Solder Instead Of 95/5 Solder, Add	*14.72*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.45*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.82*	
		For Work In Restricted Working Space, Add	*25.64*	
22 11 16 00-0574	EA	2-1/2" Female Copper Adapter	223.00	67.91
		For Silver Solder Instead Of 95/5 Solder, Add	*21.28*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-16.22*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*15.20*	
		For Work In Restricted Working Space, Add	*30.40*	
22 11 16 00-0575	EA	3" Female Copper Adapter	351.57	98.36
		For Silver Solder Instead Of 95/5 Solder, Add	*32.24*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-24.91*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*21.99*	
		For Work In Restricted Working Space, Add	*43.98*	

22 11 16 00-0576 Wrot Copper, Solder Union *(22 11 16 00-0451)*

22 11 16 00-0577	EA	1/4" Wrot Copper, Solder Union	43.18	18.73
		For Silver Solder Instead Of 95/5 Solder, Add	*4.97*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.56*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.21*	
		For Work In Restricted Working Space, Add	*8.43*	
22 11 16 00-0578	EA	3/8" Wrot Copper, Solder Union	49.50	22.59
		For Silver Solder Instead Of 95/5 Solder, Add	*5.87*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.17*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.09*	
		For Work In Restricted Working Space, Add	*10.19*	
22 11 16 00-0579	EA	1/2" Wrot Copper, Solder Union	51.75	28.09
		For Silver Solder Instead Of 95/5 Solder, Add	*6.80*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.69*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.32*	
		For Work In Restricted Working Space, Add	*12.64*	
22 11 16 00-0580	EA	3/4" Wrot Copper, Solder Union	59.81	32.08
		For Silver Solder Instead Of 95/5 Solder, Add	*7.79*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.39*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.20*	
		For Work In Restricted Working Space, Add	*14.40*	
22 11 16 00-0581	EA	1" Wrot Copper, Solder Union	77.68	38.28
		For Silver Solder Instead Of 95/5 Solder, Add	*9.62*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.75*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.60*	
		For Work In Restricted Working Space, Add	*17.21*	
22 11 16 00-0582	EA	1-1/4" Wrot Copper, Solder Union	92.63	42.14
		For Silver Solder Instead Of 95/5 Solder, Add	*10.95*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.79*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.48*	
		For Work In Restricted Working Space, Add	*18.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0583	EA	1-1/2" Wrot Copper, Solder Union	111.72	46.83
		For Silver Solder Instead Of 95/5 Solder, Add	*12.61*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.10*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.54*	
		For Work In Restricted Working Space, Add	*21.07*	
22 11 16 00-0584	EA	2" Wrot Copper, Solder Union	154.99	56.19
		For Silver Solder Instead Of 95/5 Solder, Add	*16.18*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.96*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.64*	
		For Work In Restricted Working Space, Add	*25.28*	
22 11 16 00-0585	EA	2-1/2" Wrot Copper, Solder Union	285.52	61.87
		For Silver Solder Instead Of 95/5 Solder, Add	*23.55*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-18.91*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.91*	
		For Work In Restricted Working Space, Add	*27.81*	
22 11 16 00-0586	EA	3" Wrot Copper, Solder Union	630.47	87.75
		For Silver Solder Instead Of 95/5 Solder, Add	*44.67*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-38.10*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*19.73*	
		For Work In Restricted Working Space, Add	*39.45*	

22 11 16 00-0587 Cast Bronze, Solder Union *(22 11 16 00-0451)*

22 11 16 00-0588	EA	1/4" Cast Bronze, Solder Union	48.75	18.73
		For Silver Solder Instead Of 95/5 Solder, Add	*5.25*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.84*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.21*	
		For Work In Restricted Working Space, Add	*8.43*	
22 11 16 00-0589	EA	3/8" Cast Bronze, Solder Union	54.75	22.59
		For Silver Solder Instead Of 95/5 Solder, Add	*6.13*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.44*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.09*	
		For Work In Restricted Working Space, Add	*10.19*	
22 11 16 00-0590	EA	1/2" Cast Bronze, Solder Union	53.22	28.09
		For Silver Solder Instead Of 95/5 Solder, Add	*6.88*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.77*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.32*	
		For Work In Restricted Working Space, Add	*12.64*	
22 11 16 00-0591	EA	3/4" Cast Bronze, Solder Union	61.88	32.08
		For Silver Solder Instead Of 95/5 Solder, Add	*7.89*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.49*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.20*	
		For Work In Restricted Working Space, Add	*14.40*	
22 11 16 00-0592	EA	1" Cast Bronze, Solder Union	81.26	38.28
		For Silver Solder Instead Of 95/5 Solder, Add	*9.80*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.93*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.60*	
		For Work In Restricted Working Space, Add	*17.21*	
22 11 16 00-0593	EA	1-1/4" Cast Bronze, Solder Union	102.44	42.14
		For Silver Solder Instead Of 95/5 Solder, Add	*11.44*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.28*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.48*	
		For Work In Restricted Working Space, Add	*18.96*	
22 11 16 00-0594	EA	1-1/2" Cast Bronze, Solder Union	121.95	46.83
		For Silver Solder Instead Of 95/5 Solder, Add	*13.12*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.61*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.54*	
		For Work In Restricted Working Space, Add	*21.07*	
22 11 16 00-0595	EA	2" Cast Bronze, Solder Union	172.41	56.19
		For Silver Solder Instead Of 95/5 Solder, Add	*17.05*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-12.83*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.64*	
		For Work In Restricted Working Space, Add	*25.28*	
22 11 16 00-0596	EA	2-1/2" Cast Bronze, Solder Union	285.51	61.87
		For Silver Solder Instead Of 95/5 Solder, Add	*23.55*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-18.91*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.91*	
		For Work In Restricted Working Space, Add	*27.81*	
22 11 16 00-0597	EA	3" Cast Bronze, Solder Union	630.47	87.75
		For Silver Solder Instead Of 95/5 Solder, Add	*44.67*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-38.10*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*19.73*	
		For Work In Restricted Working Space, Add	*39.45*	

22 11 16 00-0598 Cast Bronze, Solder X Female Threaded Union *(22 11 16 00-0451)*

22 11 16 00-0599	EA	1/4" Cast Bronze, Solder X Female Threaded Union	56.27	18.73
		For Silver Solder Instead Of 95/5 Solder, Add	*5.62*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.22*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.21*	
		For Work In Restricted Working Space, Add	*8.43*	
22 11 16 00-0600	EA	3/8" Cast Bronze, Solder X Female Threaded Union	63.11	22.59
		For Silver Solder Instead Of 95/5 Solder, Add	*6.55*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.85*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.09*	
		For Work In Restricted Working Space, Add	*10.19*	

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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0601	EA	1/2" Cast Bronze, Solder X Female Threaded Union	65.30	28.09
		For Silver Solder Instead Of 95/5 Solder, Add	*7.48*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.37*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.32*	
		For Work In Restricted Working Space, Add	*12.64*	
22 11 16 00-0602	EA	3/4" Cast Bronze, Solder X Female Threaded Union	79.56	32.08
		For Silver Solder Instead Of 95/5 Solder, Add	*8.78*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.38*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.20*	
		For Work In Restricted Working Space, Add	*14.40*	
22 11 16 00-0603	EA	1" Cast Bronze, Solder X Female Threaded Union	123.02	38.28
		For Silver Solder Instead Of 95/5 Solder, Add	*11.89*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.02*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.60*	
		For Work In Restricted Working Space, Add	*17.21*	
22 11 16 00-0604	EA	1-1/4" Cast Bronze, Solder X Female Threaded Union	185.57	42.14
		For Silver Solder Instead Of 95/5 Solder, Add	*15.60*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-12.44*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.48*	
		For Work In Restricted Working Space, Add	*18.96*	
22 11 16 00-0605	EA	1-1/2" Cast Bronze, Solder X Female Threaded Union	225.26	46.83
		For Silver Solder Instead Of 95/5 Solder, Add	*18.29*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-14.78*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.54*	
		For Work In Restricted Working Space, Add	*21.07*	
22 11 16 00-0606	EA	2" Cast Bronze, Solder X Female Threaded Union	346.68	56.19
		For Silver Solder Instead Of 95/5 Solder, Add	*25.76*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-21.55*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.64*	
		For Work In Restricted Working Space, Add	*25.28*	
22 11 16 00-0607	EA	2-1/2" Cast Bronze, Solder X Female Threaded Union	590.12	61.87
		For Silver Solder Instead Of 95/5 Solder, Add	*38.78*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-34.14*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.91*	
		For Work In Restricted Working Space, Add	*27.81*	

22 11 16 00-0608 Cast Bronze, Solder X Male Threaded Union *(22 11 16 00-0451)*

22 11 16 00-0609	EA	1/4" Cast Bronze, Solder X Male Threaded Union	49.55	18.73
		For Silver Solder Instead Of 95/5 Solder, Add	*5.29*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.88*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.21*	
		For Work In Restricted Working Space, Add	*8.43*	
22 11 16 00-0610	EA	3/8" Cast Bronze, Solder X Male Threaded Union	59.00	22.59
		For Silver Solder Instead Of 95/5 Solder, Add	*6.35*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.65*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.09*	
		For Work In Restricted Working Space, Add	*10.19*	
22 11 16 00-0611	EA	1/2" Cast Bronze, Solder X Male Threaded Union	60.42	28.09
		For Silver Solder Instead Of 95/5 Solder, Add	*7.24*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.13*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.32*	
		For Work In Restricted Working Space, Add	*12.64*	
22 11 16 00-0612	EA	3/4" Cast Bronze, Solder X Male Threaded Union	75.42	32.08
		For Silver Solder Instead Of 95/5 Solder, Add	*8.57*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.17*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.20*	
		For Work In Restricted Working Space, Add	*14.40*	
22 11 16 00-0613	EA	1" Cast Bronze, Solder X Male Threaded Union	124.91	38.28
		For Silver Solder Instead Of 95/5 Solder, Add	*11.98*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.11*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.60*	
		For Work In Restricted Working Space, Add	*17.21*	
22 11 16 00-0614	EA	1-1/4" Cast Bronze, Solder X Male Threaded Union	147.00	42.14
		For Silver Solder Instead Of 95/5 Solder, Add	*13.67*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.51*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.48*	
		For Work In Restricted Working Space, Add	*18.96*	
22 11 16 00-0615	EA	1-1/2" Cast Bronze, Solder X Male Threaded Union	158.25	46.83
		For Silver Solder Instead Of 95/5 Solder, Add	*14.94*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.42*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.54*	
		For Work In Restricted Working Space, Add	*21.07*	
22 11 16 00-0616	EA	2" Cast Bronze, Solder X Male Threaded Union	219.47	56.19
		For Silver Solder Instead Of 95/5 Solder, Add	*19.40*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-15.19*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.64*	
		For Work In Restricted Working Space, Add	*25.28*	
22 11 16 00-0617	EA	2-1/2" Cast Bronze, Solder X Male Threaded Union	488.88	61.87
		For Silver Solder Instead Of 95/5 Solder, Add	*33.71*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-29.08*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.91*	
		For Work In Restricted Working Space, Add	*27.81*	

22 11 16 00-0618 Copper Caps *(22 11 16 00-0451)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0619	EA	1/4" Copper Cap	8.76	5.15
		For Silver Solder Instead Of 95/5 Solder, Add	*1.21*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-0.82*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*1.16*	
		For Work In Restricted Working Space, Add	*2.32*	
22 11 16 00-0620	EA	3/8" Copper Cap	10.93	6.09
		For Silver Solder Instead Of 95/5 Solder, Add	*1.47*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.01*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*1.39*	
		For Work In Restricted Working Space, Add	*2.78*	
22 11 16 00-0621	EA	1/2" Copper Cap	13.60	8.43
		For Silver Solder Instead Of 95/5 Solder, Add	*1.96*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.32*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*1.91*	
		For Work In Restricted Working Space, Add	*3.83*	
22 11 16 00-0622	EA	3/4" Copper Cap	17.44	10.42
		For Silver Solder Instead Of 95/5 Solder, Add	*2.46*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.66*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*2.38*	
		For Work In Restricted Working Space, Add	*4.75*	
22 11 16 00-0623	EA	1" Copper Cap	22.67	12.52
		For Silver Solder Instead Of 95/5 Solder, Add	*3.03*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.08*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*2.84*	
		For Work In Restricted Working Space, Add	*5.68*	
22 11 16 00-0624	EA	1-1/4" Copper Cap	25.48	13.46
		For Silver Solder Instead Of 95/5 Solder, Add	*3.32*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.30*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.07*	
		For Work In Restricted Working Space, Add	*6.14*	
22 11 16 00-0625	EA	1-1/2" Copper Cap	29.69	14.75
		For Silver Solder Instead Of 95/5 Solder, Add	*3.72*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.60*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.36*	
		For Work In Restricted Working Space, Add	*6.72*	
22 11 16 00-0626	EA	2" Copper Cap	36.60	15.31
		For Silver Solder Instead Of 95/5 Solder, Add	*4.14*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.99*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.47*	
		For Work In Restricted Working Space, Add	*6.94*	
22 11 16 00-0627	EA	2-1/2" Copper Cap	63.29	17.89
		For Silver Solder Instead Of 95/5 Solder, Add	*5.88*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.52*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.08*	
		For Work In Restricted Working Space, Add	*8.15*	
22 11 16 00-0628	EA	3" Copper Cap	86.49	22.96
		For Silver Solder Instead Of 95/5 Solder, Add	*7.80*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.06*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.21*	
		For Work In Restricted Working Space, Add	*10.43*	
22 11 16 00-0629	EA	4" Copper Cap	150.23	34.71
		For Silver Solder Instead Of 95/5 Solder, Add	*12.77*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.14*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.89*	
		For Work In Restricted Working Space, Add	*15.78*	
22 11 16 00-0630	EA	5" Cast Bronze Cap	767.25	53.47
		For Silver Solder Instead Of 95/5 Solder, Add	*46.46*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-42.41*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.15*	
		For Work In Restricted Working Space, Add	*24.30*	
22 11 16 00-0631	EA	6" Cast Bronze Cap	1,485.11	77.82
		For Silver Solder Instead Of 95/5 Solder, Add	*86.04*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-80.15*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*17.68*	
		For Work In Restricted Working Space, Add	*35.36*	
22 11 16 00-0632	EA	8" Cast Bronze Cap	1,892.40	103.69
		For Silver Solder Instead Of 95/5 Solder, Add	*110.34*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-102.48*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*23.57*	
		For Work In Restricted Working Space, Add	*47.15*	

22 11 16 00-0633 Copper Crosses *(22 11 16 00-0451)*

22 11 16 00-0634	EA	1/2" Copper Cross	84.58	47.42
		For Silver Solder Instead Of 95/5 Solder, Add	*11.34*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.79*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.67*	
		For Work In Restricted Working Space, Add	*21.35*	
22 11 16 00-0635	EA	3/4" Copper Cross	114.49	58.96
		For Silver Solder Instead Of 95/5 Solder, Add	*14.56*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.14*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.26*	
		For Work In Restricted Working Space, Add	*26.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0636	EA	1" Copper Cross	149.97	70.39
		For Silver Solder Instead Of 95/5 Solder, Add	*18.06*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-12.78*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*15.84*	
		For Work In Restricted Working Space, Add	*31.69*	
22 11 16 00-0637	EA	1-1/4" Copper Cross	177.99	76.21
		For Silver Solder Instead Of 95/5 Solder, Add	*20.33*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-14.61*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*17.14*	
		For Work In Restricted Working Space, Add	*34.28*	
22 11 16 00-0638	EA	1-1/2" Copper Cross	215.87	83.32
		For Silver Solder Instead Of 95/5 Solder, Add	*23.30*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-17.05*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*18.76*	
		For Work In Restricted Working Space, Add	*37.51*	
22 11 16 00-0639	EA	2" Copper Cross	311.72	93.46
		For Silver Solder Instead Of 95/5 Solder, Add	*29.60*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-22.59*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*21.02*	
		For Work In Restricted Working Space, Add	*42.04*	
22 11 16 00-0640	EA	2-1/2" Copper Cross	550.75	103.48
		For Silver Solder Instead Of 95/5 Solder, Add	*43.06*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-35.30*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*23.28*	
		For Work In Restricted Working Space, Add	*46.56*	

22 11 16 00-0641 Cast Bronze Crosses *(22 11 16 00-0451)*

22 11 16 00-0642	EA	3/8" Cast Bronze Cross	69.64	34.49
		For Silver Solder Instead Of 95/5 Solder, Add	*8.66*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.07*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.76*	
		For Work In Restricted Working Space, Add	*15.52*	
22 11 16 00-0643	EA	1/2" Cast Bronze Cross	87.26	47.42
		For Silver Solder Instead Of 95/5 Solder, Add	*11.48*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.92*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.67*	
		For Work In Restricted Working Space, Add	*21.35*	
22 11 16 00-0644	EA	3/4" Cast Bronze Cross	119.71	58.96
		For Silver Solder Instead Of 95/5 Solder, Add	*14.82*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.41*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.26*	
		For Work In Restricted Working Space, Add	*26.52*	
22 11 16 00-0645	EA	1" Cast Bronze Cross	158.82	70.39
		For Silver Solder Instead Of 95/5 Solder, Add	*18.50*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-13.22*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*15.84*	
		For Work In Restricted Working Space, Add	*31.69*	
22 11 16 00-0646	EA	1-1/4" Cast Bronze Cross	190.73	76.21
		For Silver Solder Instead Of 95/5 Solder, Add	*20.96*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-15.25*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*17.14*	
		For Work In Restricted Working Space, Add	*34.28*	
22 11 16 00-0647	EA	1-1/2" Cast Bronze Cross	234.03	83.32
		For Silver Solder Instead Of 95/5 Solder, Add	*24.21*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-17.95*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*18.76*	
		For Work In Restricted Working Space, Add	*37.51*	
22 11 16 00-0648	EA	2" Cast Bronze Cross	324.34	93.46
		For Silver Solder Instead Of 95/5 Solder, Add	*30.23*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-23.22*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*21.02*	
		For Work In Restricted Working Space, Add	*42.04*	
22 11 16 00-0649	EA	2-1/2" Cast Bronze Cross	629.86	103.48
		For Silver Solder Instead Of 95/5 Solder, Add	*47.01*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-39.25*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*23.28*	
		For Work In Restricted Working Space, Add	*46.56*	

22 11 16 00-0650 Flexible Corrugated Copper Supply Line *(22 11 16 00-0451)*

22 11 16 00-0651	EA	3/4" Threaded x 3/4" Solder x 18" Long, Flexible Corrugated Copper Supply Line	83.77	32.08
22 11 16 00-0652	EA	3/4" Threaded x 3/4" Solder x 24" Long, Flexible Corrugated Copper Supply Line	88.08	32.08
22 11 16 00-0653	EA	3/4" Threaded x 3/4" Threaded x 12" Long, Flexible Corrugated Copper Supply Line	76.03	32.08
22 11 16 00-0654	EA	3/4" Threaded x 3/4" Threaded x 15" Long, Flexible Corrugated Copper Supply Line	80.90	32.08
22 11 16 00-0655	EA	3/4" Threaded x 3/4" Threaded x 18" Long, Flexible Corrugated Copper Supply Line	85.21	32.08
22 11 16 00-0656	EA	3/4" Threaded x 3/4" Threaded x 24" Long, Flexible Corrugated Copper Supply Line	88.08	32.08

22 11 16 00-0657 Crimped Copper Fittings *(22 11 16 00-0383)*

Note: Viega ProPress type. Includes factory installed ethylene propylene diene monomer (EPDM) sealing elements.

22 11 16 00-0658 Crimped Copper 90 Degree Elbows *(22 11 16 00-0657)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0659	EA	1/2" Crimped Copper 90 Degree Elbow	24.56	14.05
		For Work In Restricted Working Space, Add	*6.32*	
22 11 16 00-0660	EA	3/4" Crimped Copper 90 Degree Elbow	29.91	16.04
		For Work In Restricted Working Space, Add	*7.20*	
22 11 16 00-0661	EA	1" Crimped Copper 90 Degree Elbow	40.52	19.08
		For Work In Restricted Working Space, Add	*8.60*	
22 11 16 00-0662	EA	1-1/4" Crimped Copper 90 Degree Elbow	55.52	21.07
		For Work In Restricted Working Space, Add	*9.48*	
22 11 16 00-0663	EA	1-1/2" Crimped Copper 90 Degree Elbow	80.41	23.41
		For Work In Restricted Working Space, Add	*10.54*	
22 11 16 00-0664	EA	2" Crimped Copper 90 Degree Elbow	105.09	28.09
		For Work In Restricted Working Space, Add	*12.64*	
22 11 16 00-0665	EA	2-1/2" Crimped Copper 90 Degree Elbow	232.01	32.77
		For Work In Restricted Working Space, Add	*14.75*	
22 11 16 00-0666	EA	3" Crimped Copper 90 Degree Elbow	288.58	38.98
		For Work In Restricted Working Space, Add	*17.56*	
22 11 16 00-0667	EA	4" Crimped Copper 90 Degree Elbow	361.87	51.51
		For Work In Restricted Working Space, Add	*23.18*	

22 11 16 00-0668 Crimped Copper 45 Degree Elbows *(22 11 16 00-0657)*

22 11 16 00-0669	EA	1/2" Crimped Copper 45 Degree Elbow	25.14	14.05
		For Work In Restricted Working Space, Add	*6.32*	
22 11 16 00-0670	EA	3/4" Crimped Copper 45 Degree Elbow	28.98	16.04
		For Work In Restricted Working Space, Add	*7.20*	
22 11 16 00-0671	EA	1" Crimped Copper 45 Degree Elbow	44.70	19.08
		For Work In Restricted Working Space, Add	*8.60*	
22 11 16 00-0672	EA	1-1/4" Crimped Copper 45 Degree Elbow	54.60	21.07
		For Work In Restricted Working Space, Add	*9.48*	
22 11 16 00-0673	EA	1-1/2" Crimped Copper 45 Degree Elbow	72.41	23.41
		For Work In Restricted Working Space, Add	*10.54*	
22 11 16 00-0674	EA	2" Crimped Copper 45 Degree Elbow	94.29	28.09
		For Work In Restricted Working Space, Add	*12.64*	
22 11 16 00-0675	EA	2-1/2" Crimped Copper 45 Degree Elbow	169.95	32.77
		For Work In Restricted Working Space, Add	*14.75*	
22 11 16 00-0676	EA	3" Crimped Copper 45 Degree Elbow	231.10	38.98
		For Work In Restricted Working Space, Add	*17.56*	
22 11 16 00-0677	EA	4" Crimped Copper 45 Degree Elbow	316.91	51.51
		For Work In Restricted Working Space, Add	*23.18*	

22 11 16 00-0678 Crimped Copper Straight Tees *(22 11 16 00-0657)*

22 11 16 00-0679	EA	1/2" Crimped Copper Straight Tee	36.94	21.07
		For Work In Restricted Working Space, Add	*9.48*	
22 11 16 00-0680	EA	3/4" Crimped Copper Straight Tee	50.95	27.74
		For Work In Restricted Working Space, Add	*12.47*	
22 11 16 00-0681	EA	1" Crimped Copper Straight Tee	63.19	30.79
		For Work In Restricted Working Space, Add	*13.87*	
22 11 16 00-0682	EA	1-1/4" Crimped Copper Straight Tee	76.09	31.60
		For Work In Restricted Working Space, Add	*14.22*	
22 11 16 00-0683	EA	1-1/2" Crimped Copper Straight Tee	109.59	35.93
		For Work In Restricted Working Space, Add	*16.15*	
22 11 16 00-0684	EA	2" Crimped Copper Straight Tee	132.08	42.14
		For Work In Restricted Working Space, Add	*18.96*	
22 11 16 00-0685	EA	2-1/2" Crimped Copper Straight Tee	299.66	49.16
		For Work In Restricted Working Space, Add	*22.13*	
22 11 16 00-0686	EA	3" Crimped Copper Straight Tee	370.18	58.53
		For Work In Restricted Working Space, Add	*26.34*	
22 11 16 00-0687	EA	4" Crimped Copper Straight Tee	512.11	77.25
		For Work In Restricted Working Space, Add	*34.76*	

22 11 16 00-0688 Crimped Copper Reducing Tees *(22 11 16 00-0657)*

22 11 16 00-0689	EA	3/4" Crimped Copper Reducing Tee	44.60	20.02
		For Work In Restricted Working Space, Add	*9.02*	
22 11 16 00-0690	EA	1" Crimped Copper Reducing Tee	65.24	26.34
		For Work In Restricted Working Space, Add	*11.84*	
22 11 16 00-0691	EA	1-1/4" Crimped Copper Reducing Tee	70.14	29.27
		For Work In Restricted Working Space, Add	*13.17*	
22 11 16 00-0692	EA	1-1/2" Crimped Copper Reducing Tee	94.54	30.08
		For Work In Restricted Working Space, Add	*13.52*	
22 11 16 00-0693	EA	2" Crimped Copper Reducing Tee	113.76	34.06
		For Work In Restricted Working Space, Add	*15.35*	
22 11 16 00-0694	EA	2-1/2" Crimped Copper Reducing Tee	323.91	38.63
		For Work In Restricted Working Space, Add	*17.56*	
22 11 16 00-0695	EA	3" Crimped Copper Reducing Tee	395.12	46.83
		For Work In Restricted Working Space, Add	*21.07*	
22 11 16 00-0696	EA	4" Crimped Copper Reducing Tee	463.26	62.39
		For Work In Restricted Working Space, Add	*28.09*	

22 11 16 00-0697 Crimped Copper Couplings *(22 11 16 00-0657)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0698	EA	1/2" Crimped Copper Coupling	24.21	14.05
		For Work In Restricted Working Space, Add	*6.32*	
22 11 16 00-0699	EA	3/4" Crimped Copper Coupling	28.75	16.04
		For Work In Restricted Working Space, Add	*7.20*	
22 11 16 00-0700	EA	1" Crimped Copper Coupling	38.30	19.08
		For Work In Restricted Working Space, Add	*8.60*	
22 11 16 00-0701	EA	1-1/4" Crimped Copper Coupling	43.57	21.07
		For Work In Restricted Working Space, Add	*9.48*	
22 11 16 00-0702	EA	1-1/2" Crimped Copper Coupling	57.42	23.41
		For Work In Restricted Working Space, Add	*10.54*	
22 11 16 00-0703	EA	2" Crimped Copper Coupling	70.60	28.09
		For Work In Restricted Working Space, Add	*12.64*	
22 11 16 00-0704	EA	2-1/2" Crimped Copper Coupling	140.23	32.77
		For Work In Restricted Working Space, Add	*14.75*	
22 11 16 00-0705	EA	3" Crimped Copper Coupling	174.51	38.98
		For Work In Restricted Working Space, Add	*17.56*	
22 11 16 00-0706	EA	4" Crimped Copper Coupling	238.29	51.51
		For Work In Restricted Working Space, Add	*23.18*	

22 11 16 00-0707 Crimped Copper Reducing Couplings *(22 11 16 00-0657)*

22 11 16 00-0708	EA	3/4" Crimped Copper Reducing Coupling	34.31	13.34
		For Work In Restricted Working Space, Add	*6.01*	
22 11 16 00-0709	EA	1" Crimped Copper Reducing Coupling	39.20	15.21
		For Work In Restricted Working Space, Add	*6.85*	
22 11 16 00-0710	EA	1-1/4" Crimped Copper Reducing Coupling	51.09	18.14
		For Work In Restricted Working Space, Add	*8.18*	
22 11 16 00-0711	EA	1-1/2" Crimped Copper Reducing Coupling	65.15	20.02
		For Work In Restricted Working Space, Add	*9.02*	
22 11 16 00-0712	EA	2" Crimped Copper Reducing Coupling	72.85	22.24
		For Work In Restricted Working Space, Add	*10.01*	
22 11 16 00-0713	EA	2-1/2" Crimped Copper FTG x C Reducing Coupling	147.38	26.57
		For Work In Restricted Working Space, Add	*11.94*	
22 11 16 00-0714	EA	3" Crimped Copper FTG x C Reducing Coupling	184.05	31.25
		For Work In Restricted Working Space, Add	*14.05*	
22 11 16 00-0715	EA	4" Crimped Copper FTG x C Reducing Coupling	239.08	41.32
		For Work In Restricted Working Space, Add	*18.61*	

22 11 16 00-0716 Crimped Copper Male Adapters *(22 11 16 00-0657)*

22 11 16 00-0717	EA	1/2" Crimped Copper Male Adapter	24.91	14.05
		For Work In Restricted Working Space, Add	*6.32*	
22 11 16 00-0718	EA	3/4" Crimped Copper Male Adapter	30.95	16.04
		For Work In Restricted Working Space, Add	*7.20*	
22 11 16 00-0719	EA	1" Crimped Copper Male Adapter	41.44	19.08
		For Work In Restricted Working Space, Add	*8.60*	
22 11 16 00-0720	EA	1-1/4" Crimped Copper Male Adapter	59.59	21.07
		For Work In Restricted Working Space, Add	*9.48*	
22 11 16 00-0721	EA	1-1/2" Crimped Copper Male Adapter	74.38	23.41
		For Work In Restricted Working Space, Add	*10.54*	
22 11 16 00-0722	EA	2" Crimped Copper Male Adapter	117.74	28.09
		For Work In Restricted Working Space, Add	*12.64*	
22 11 16 00-0723	EA	2-1/2" Crimped Copper Male Adapter	232.01	32.77
		For Work In Restricted Working Space, Add	*14.75*	
22 11 16 00-0724	EA	3" Crimped Copper Male Adapter	288.58	38.98
		For Work In Restricted Working Space, Add	*17.56*	
22 11 16 00-0725	EA	4" Crimped Copper Male Adapter	343.54	51.51
		For Work In Restricted Working Space, Add	*23.18*	

22 11 16 00-0726 Crimped Copper Female Adapters *(22 11 16 00-0657)*

22 11 16 00-0727	EA	1/2" Crimped Copper Female Adapter	25.71	14.05
		For Work In Restricted Working Space, Add	*6.32*	
22 11 16 00-0728	EA	3/4" Crimped Copper Female Adapter	31.54	16.04
		For Work In Restricted Working Space, Add	*7.20*	
22 11 16 00-0729	EA	1" Crimped Copper Female Adapter	42.61	19.08
		For Work In Restricted Working Space, Add	*8.60*	
22 11 16 00-0730	EA	1-1/4" Crimped Copper Female Adapter	63.08	21.07
		For Work In Restricted Working Space, Add	*9.48*	
22 11 16 00-0731	EA	1-1/2" Crimped Copper Female Adapter	80.88	23.41
		For Work In Restricted Working Space, Add	*10.54*	
22 11 16 00-0732	EA	2" Crimped Copper Female Adapter	119.84	28.09
		For Work In Restricted Working Space, Add	*12.64*	

22 11 16 00-0733 Crimped Copper Caps *(22 11 16 00-0657)*

22 11 16 00-0734	EA	1/2" Crimped Copper Cap	17.27	7.03
		For Work In Restricted Working Space, Add	*3.16*	
22 11 16 00-0735	EA	3/4" Crimped Copper Cap	23.67	8.20
		For Work In Restricted Working Space, Add	*3.69*	
22 11 16 00-0736	EA	1" Crimped Copper Cap	31.59	9.36
		For Work In Restricted Working Space, Add	*4.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0737	EA	1-1/4" Crimped Copper Cap	35.67	10.53
		For Work In Restricted Working Space, Add	*4.74*	
22 11 16 00-0738	EA	1-1/2" Crimped Copper Cap	48.92	12.06
		For Work In Restricted Working Space, Add	*5.44*	
22 11 16 00-0739	EA	2" Crimped Copper Cap	58.46	14.05
		For Work In Restricted Working Space, Add	*6.32*	
22 11 16 00-0740	EA	2-1/2" Crimped Copper Cap	144.15	16.39
		For Work In Restricted Working Space, Add	*7.38*	
22 11 16 00-0741	EA	3" Crimped Copper Cap	180.59	19.55
		For Work In Restricted Working Space, Add	*8.78*	
22 11 16 00-0742	EA	4" Crimped Copper Cap	240.27	25.75
		For Work In Restricted Working Space, Add	*11.59*	

22 11 16 00-0743 C x F NPT Crimped Bronze Unions *(22 11 16 00-0657)*

22 11 16 00-0744	EA	1/2" C x F NPT Crimped Bronze Union	48.42	19.08
		For Work In Restricted Working Space, Add	*8.60*	
22 11 16 00-0745	EA	3/4" C x F NPT Crimped Bronze Union	60.56	23.53
		For Work In Restricted Working Space, Add	*10.57*	
22 11 16 00-0746	EA	1" C x F NPT Crimped Bronze Union	84.31	28.21
		For Work In Restricted Working Space, Add	*12.68*	
22 11 16 00-0747	EA	1-1/4" C x F NPT Crimped Bronze Union	102.13	32.54
		For Work In Restricted Working Space, Add	*14.68*	
22 11 16 00-0748	EA	1-1/2" C x F NPT Crimped Bronze Union	131.39	31.84
		For Work In Restricted Working Space, Add	*14.33*	
22 11 16 00-0749	EA	2" C x F NPT Crimped Bronze Union	179.86	46.12
		For Work In Restricted Working Space, Add	*20.72*	

22 11 16 00-0750 C x C Crimped Bronze Unions *(22 11 16 00-0657)*

22 11 16 00-0751	EA	1/2" C x C Bronze Crimped Union	45.69	14.05
		For Work In Restricted Working Space, Add	*6.32*	
22 11 16 00-0752	EA	3/4" C x C Bronze Crimped Union	56.27	16.04
		For Work In Restricted Working Space, Add	*7.20*	
22 11 16 00-0753	EA	1" C x C Bronze Crimped Union	80.23	19.08
		For Work In Restricted Working Space, Add	*8.60*	
22 11 16 00-0754	EA	1-1/4" C x C Bronze Crimped Union	105.23	21.07
		For Work In Restricted Working Space, Add	*9.48*	
22 11 16 00-0755	EA	1-1/2" C x C Bronze Crimped Union	135.11	23.41
		For Work In Restricted Working Space, Add	*10.54*	
22 11 16 00-0756	EA	2" C x C Bronze Crimped Union	205.43	28.09
		For Work In Restricted Working Space, Add	*12.64*	

22 11 16 00-0757 C x Flange Crimped Bronze Flange *(22 11 16 00-0657)*

22 11 16 00-0758	EA	2-1/2" C x Flange Crimped Bronze Flange	398.80	32.77
		For Work In Restricted Working Space, Add	*14.75*	
22 11 16 00-0759	EA	3" C x Flange Crimped Bronze Flange	434.85	38.98
		For Work In Restricted Working Space, Add	*17.56*	
22 11 16 00-0760	EA	4" C x Flange Crimped Bronze Flange	498.54	51.51
		For Work In Restricted Working Space, Add	*23.18*	

22 11 16 00-0761 Field Installed FKM Seals *(22 11 16 00-0657)*

Note: For vacuum systems. Includes removing factory installed ethylene propylene diene monomer (EPDM) seal and installing FKM seal.

22 11 16 00-0762	EA	1/2" Field Installed FKM Seal Note: To be used in conjunction with fittings.	7.24	
		For Work In Restricted Working Space, Add	*1.58*	
22 11 16 00-0763	EA	3/4" Field Installed FKM Seal Note: To be used in conjunction with fittings.	9.16	
		For Work In Restricted Working Space, Add	*1.84*	
22 11 16 00-0764	EA	1" Field Installed FKM Seal Note: To be used in conjunction with fittings.	10.52	
		For Work In Restricted Working Space, Add	*2.11*	
22 11 16 00-0765	EA	1-1/4" Field Installed FKM Seal Note: To be used in conjunction with fittings.	12.09	
		For Work In Restricted Working Space, Add	*2.37*	
22 11 16 00-0766	EA	1-1/2" Field Installed FKM Seal Note: To be used in conjunction with fittings.	16.97	
		For Work In Restricted Working Space, Add	*2.72*	
22 11 16 00-0767	EA	2" Field Installed FKM Seal Note: To be used in conjunction with fittings.	18.89	
		For Work In Restricted Working Space, Add	*3.16*	
22 11 16 00-0768	EA	2-1/2" Field Installed FKM Seal Note: To be used in conjunction with fittings.	28.20	
		For Work In Restricted Working Space, Add	*3.69*	
22 11 16 00-0769	EA	3" Field Installed FKM Seal Note: To be used in conjunction with fittings.	32.39	
		For Work In Restricted Working Space, Add	*4.39*	
22 11 16 00-0770	EA	4" Field Installed FKM Seal Note: To be used in conjunction with fittings.	44.16	
		For Work In Restricted Working Space, Add	*5.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0771		**Cut And Prepare Existing In-Place Copper Pipe** *(22 11 16 00-0383)*		
22 11 16 00-0772	EA	Up To 1/2", Cut And Prepare Existing In Place Copper Pipe	11.71	
22 11 16 00-0773	EA	3/4", Cut And Prepare Existing In Place Copper Pipe	12.65	
22 11 16 00-0774	EA	1", Cut And Prepare Existing In Place Copper Pipe	14.23	
22 11 16 00-0775	EA	1-1/4", Cut And Prepare Existing In Place Copper Pipe	14.92	
22 11 16 00-0776	EA	1-1/2", Cut And Prepare Existing In Place Copper Pipe	15.80	
22 11 16 00-0777	EA	2", Cut And Prepare Existing In Place Copper Pipe	17.39	
22 11 16 00-0778	EA	2-1/2", Cut And Prepare Existing In Place Copper Pipe	18.73	
22 11 16 00-0779	EA	3", Cut And Prepare Existing In Place Copper Pipe	22.12	
22 11 16 00-0780	EA	4", Cut And Prepare Existing In Place Copper Pipe	29.85	
22 11 16 00-0781	EA	6", Cut And Prepare Existing In Place Copper Pipe	42.66	
22 11 16 00-0782	EA	8", Cut And Prepare Existing In Place Copper Pipe	56.88	
22 11 16 00-0783		**Sweat Brass Companion Flanges** *(22 11 16 00-0383)*		
		Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.		
22 11 16 00-0784	EA	1" Sweat Brass Companion Flange	64.00	18.00
22 11 16 00-0785	EA	1-1/4" Sweat Brass Companion Flange	69.87	19.83
22 11 16 00-0786	EA	1-1/2" Sweat Brass Companion Flange	99.41	21.56
22 11 16 00-0787	EA	2" Sweat Brass Companion Flange	132.66	23.93
22 11 16 00-0788	EA	2-1/2" Sweat Brass Companion Flange	154.49	28.78
22 11 16 00-0789	EA	3" Sweat Brass Companion Flange	171.86	37.72
22 11 16 00-0790	EA	4" Sweat Brass Companion Flange	228.21	44.95
22 11 16 00-0791	EA	5" Sweat Brass Companion Flange	432.23	54.73
22 11 16 00-0792	EA	6" Sweat Brass Companion Flange	505.41	79.52
22 11 16 00-0793	EA	8" Copper Companion Flange	1,135.08	113.43
22 11 16 00-0794		**Brass Compression Fittings** *(22 11 16 00-0383)*		
22 11 16 00-0795		**Brass Compression Unions** *(22 11 16 00-0794)*		
22 11 16 00-0796	EA	1/4" Brass Compression Union	20.05	12.65
22 11 16 00-0797	EA	3/8" Brass Compression Union	20.35	12.65
22 11 16 00-0798	EA	1/2" Brass Compression Union	21.26	12.65
22 11 16 00-0799	EA	5/8" Brass Compression Union	21.69	12.65
22 11 16 00-0800	EA	3/4" Brass Compression Union	30.85	12.65
22 11 16 00-0801	EA	3/8" x 1/4" Brass Compression Union	20.56	12.65
22 11 16 00-0802	EA	1/2" x 3/8" Brass Compression Union	21.33	12.65
22 11 16 00-0803	EA	5/8" x 3/8" Brass Compression Union	21.87	12.65
22 11 16 00-0804	EA	5/8" x 1/2" Brass Compression Union	22.73	12.65
22 11 16 00-0805		**Brass Compression Union Elbows** *(22 11 16 00-0794)*		
22 11 16 00-0806	EA	1/4" Brass Compression Union Elbow	21.26	12.65
22 11 16 00-0807	EA	3/8" Brass Compression Union Elbow	21.75	12.65
22 11 16 00-0808	EA	1/2" Brass Compression Union Elbow	22.83	12.65
22 11 16 00-0809	EA	5/8" Brass Compression Union Elbow	24.50	12.65
22 11 16 00-0810	EA	3/4" Brass Compression Union Elbow	31.03	12.65
22 11 16 00-0811	EA	3/8" x 1/4" Brass Compression Union Elbow	21.75	12.65
22 11 16 00-0812	EA	1/2" x 3/8" Brass Compression Union Elbow	22.83	12.65
22 11 16 00-0813	EA	5/8" x 3/8" Brass Compression Union Elbow	23.13	12.65
22 11 16 00-0814	EA	5/8" x 1/2" Brass Compression Union Elbow	28.03	12.65
22 11 16 00-0815		**Brass Compression Union Tees** *(22 11 16 00-0794)*		
22 11 16 00-0816	EA	1/4" Brass Compression Union Tee	21.63	12.65
22 11 16 00-0817	EA	3/8" Brass Compression Union Tee	22.65	12.65
22 11 16 00-0818	EA	1/2" Brass Compression Union Tee	23.73	12.65
22 11 16 00-0819	EA	5/8" Brass Compression Union Tee	27.14	12.65
22 11 16 00-0820	EA	3/4" Brass Compression Union Tee	38.92	12.65
22 11 16 00-0821	EA	3/8" x 3/8" x 1/4" Brass Compression Union Tee	23.37	12.65
22 11 16 00-0822	EA	1/2" x 1/2" x 3/8" Brass Compression Union Tee	28.90	12.65
22 11 16 00-0823	EA	5/8" x 5/8" x 3/8" Brass Compression Union Tee	28.37	12.65
22 11 16 00-0824	EA	5/8" x 5/8" x 1/2" Brass Compression Union Tee	28.99	12.65
22 11 16 00-0825		**Brass Compression Male Connectors** *(22 11 16 00-0794)*		
22 11 16 00-0826	EA	1/4" Brass Compression Male Connector	19.84	12.65
22 11 16 00-0827	EA	3/8" Brass Compression Male Connector	20.23	12.65
22 11 16 00-0828	EA	1/2" Brass Compression Male Connector	20.91	12.65
22 11 16 00-0829	EA	5/8" Brass Compression Male Connector	21.93	12.65
22 11 16 00-0830	EA	3/4" Brass Compression Male Connector	27.28	12.52
22 11 16 00-0831		**Brass Compression Female Connectors** *(22 11 16 00-0794)*		
22 11 16 00-0832	EA	1/4" Brass Compression Female Connector	20.27	12.65
22 11 16 00-0833	EA	3/8" Brass Compression Female Connector	20.78	12.65
22 11 16 00-0834	EA	1/2" Brass Compression Female Connector	21.65	12.65

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0835	EA	5/8" Brass Compression Female Connector	22.23	12.65
22 11 16 00-0836	EA	3/4" Brass Compression Female Connector	35.64	12.40
22 11 16 00-0837		Dielectric Fittings *(22 11 16 00-0383)*		
22 11 16 00-0838		Copper x Female Iron Pipe Thread Dielectric Unions *(22 11 16 00-0837)*		
22 11 16 00-0839	EA	1/2" Copper x Female Iron Pipe Thread Dielectric Union	49.78	28.09
22 11 16 00-0840	EA	3/4" Copper x Female Iron Pipe Thread Dielectric Union	55.63	32.08
22 11 16 00-0841	EA	1" Copper x Female Iron Pipe Thread Dielectric Union	66.12	35.25
22 11 16 00-0842	EA	1-1/4" Copper x Female Iron Pipe Thread Dielectric Union	80.01	38.80
22 11 16 00-0843	EA	1-1/2" Copper x Female Iron Pipe Thread Dielectric Union	96.64	43.11
22 11 16 00-0844	EA	2" Copper x Female Iron Pipe Thread Dielectric Union	122.65	51.73
22 11 16 00-0845		Female Brass Thread x Iron Pipe Thread Dielectric Unions *(22 11 16 00-0837)*		
22 11 16 00-0846	EA	1/2" Female Brass Thread x Iron Pipe Thread Dielectric Union	54.61	28.09
22 11 16 00-0847	EA	3/4" Female Brass Thread x Iron Pipe Thread Dielectric Union	63.59	32.08
22 11 16 00-0848	EA	1" Female Brass Thread x Iron Pipe Thread Dielectric Union	76.61	35.25
22 11 16 00-0849	EA	1-1/4" Female Brass Thread x Iron Pipe Thread Dielectric Union	93.92	38.80
22 11 16 00-0850	EA	1-1/2" Female Brass Thread x Iron Pipe Thread Dielectric Union	113.85	43.11
22 11 16 00-0851	EA	2" Female Brass Thread x Iron Pipe Thread Dielectric Union	142.83	51.73
22 11 16 00-0852		Female Iron Pipe Thread x Iron Pipe Thread Dielectric Unions *(22 11 16 00-0837)*		
22 11 16 00-0853	EA	1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	51.55	28.09
22 11 16 00-0854	EA	3/4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	58.54	32.08
22 11 16 00-0855	EA	1" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	66.89	35.25
22 11 16 00-0856	EA	1-1/4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	77.32	38.80
22 11 16 00-0857	EA	1-1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	93.97	43.11
22 11 16 00-0858	EA	2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	120.51	51.73
22 11 16 00-0859		Copper x Female Iron Pipe Thread Dielectric Flanges *(22 11 16 00-0837)*		
22 11 16 00-0860	EA	2-1/2" Copper x Female Iron Pipe Thread Dielectric Flange	298.78	133.01
22 11 16 00-0861	EA	3" Copper x Female Iron Pipe Thread Dielectric Flange	374.08	167.50
22 11 16 00-0862	EA	4" Copper x Female Iron Pipe Thread Dielectric Flange	527.18	227.98
22 11 16 00-0863		Copper x Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flanges *(22 11 16 00-0837)*		
22 11 16 00-0864	EA	2-1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange	300.77	133.01
22 11 16 00-0865	EA	3" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange	389.92	167.50
22 11 16 00-0866	EA	4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange	709.83	227.98
22 11 16 00-0867		Brass Push-Fit Fittings *(22 11 16)*		
22 11 16 00-0868	EA	1/4" x 1/4" Brass Push-Fit Coupling Note: (Sharkbite)	25.97	11.71
22 11 16 00-0869	EA	3/8" x 3/8" Brass Push-Fit Coupling Note: (Sharkbite)	32.56	12.49
22 11 16 00-0870	EA	1/2" x 1/2" Brass Push-Fit Coupling Note: (Sharkbite)	33.57	14.05
22 11 16 00-0871	EA	5/8" x 5/8" Brass Push-Fit Coupling Note: (Sharkbite)	38.82	14.98
22 11 16 00-0872	EA	3/4" x 3/4" Brass Push-Fit Coupling Note: (Sharkbite)	39.46	16.00
22 11 16 00-0873	EA	1" x 1" Brass Push-Fit Coupling Note: (Sharkbite)	56.00	19.12
22 11 16 00-0874	EA	1/2" x 3/8" Brass Push-Fit Reducing Coupling Note: (Sharkbite)	33.06	13.26
22 11 16 00-0875	EA	3/4" x 1/2" Brass Push-Fit Reducing Coupling Note: (Sharkbite)	33.80	14.52
22 11 16 00-0876	EA	3/4" x 5/8" Brass Push-Fit Reducing Coupling Note: (Sharkbite)	38.41	14.52
22 11 16 00-0877	EA	1" x 3/4" Brass Push-Fit Reducing Coupling Note: (Sharkbite)	57.88	17.56
22 11 16 00-0878	EA	1/4" x 1/4" Brass Push-Fit Elbow Note: (Sharkbite)	27.19	11.71
22 11 16 00-0879	EA	3/8" x 3/8" Brass Push-Fit Elbow Note: (Sharkbite)	37.74	12.49
22 11 16 00-0880	EA	1/2" x 1/2" Brass Push-Fit Elbow Note: (Sharkbite)	34.24	14.05
22 11 16 00-0881	EA	5/8" x 5/8" Brass Push-Fit Elbow Note: (Sharkbite)	41.83	14.98
22 11 16 00-0882	EA	3/4" x 3/4" Brass Push-Fit Elbow Note: (Sharkbite)	38.60	16.00
22 11 16 00-0883	EA	1" x 1" Brass Push-Fit Elbow Note: (Sharkbite)	56.66	19.12
22 11 16 00-0884	EA	1/2" x 3/8" Brass Push-Fit Reducing Elbow Note: (Sharkbite)	32.50	13.26

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0885	EA	3/4" x 1/2" Brass Push-Fit Reducing Elbow Note: (Sharkbite)	36.27	14.52
22 11 16 00-0886	EA	3/4" x 5/8" Brass Push-Fit Reducing Elbow Note: (Sharkbite)	36.51	14.52
22 11 16 00-0887	EA	1" x 3/4" Brass Push-Fit Reducing Elbow Note: (Sharkbite)	72.70	17.56
22 11 16 00-0888	EA	1/4" x 1/4" x 1/4" Brass Push-Fit Tee Note: (Sharkbite)	41.28	17.56
22 11 16 00-0889	EA	3/8" x 3/8" x 3/8" Brass Push-Fit Tee Note: (Sharkbite)	52.83	18.73
22 11 16 00-0890	EA	1/2" x 1/2" x 1/2" Brass Push-Fit Tee Note: (Sharkbite)	47.75	21.07
22 11 16 00-0891	EA	5/8" x 5/8" x 5/8" Brass Push-Fit Tee Note: (Sharkbite)	61.48	22.47
22 11 16 00-0892	EA	3/4" x 3/4" x 3/4" Brass Push-Fit Tee Note: (Sharkbite)	55.80	23.99
22 11 16 00-0893	EA	1" x 1" x 1" Brass Push-Fit Tee Note: (Sharkbite)	76.95	28.67
22 11 16 00-0894	EA	1/2" x 1/2" x 1/4" Brass Push-Fit Reducing Tee Note: (Sharkbite)	54.19	19.89
22 11 16 00-0895	EA	1/2" x 1/2" x 3/8" Brass Push-Fit Reducing Tee Note: (Sharkbite)	54.45	20.29
22 11 16 00-0896	EA	3/4" x 3/4" x 1/2" Brass Push-Fit Reducing Tee Note: (Sharkbite)	53.89	23.03
22 11 16 00-0897	EA	1" x 1" x 3/4" Brass Push-Fit Reducing Tee Note: (Sharkbite)	74.76	27.12
22 11 16 00-0898	EA	1/4" x 1/2" Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	31.08	12.88
22 11 16 00-0899	EA	3/8" x 1/2" Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	30.62	13.26
22 11 16 00-0900	EA	1/2" x 1/2" Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	30.12	14.05
22 11 16 00-0901	EA	3/4" x 3/4" Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	34.50	16.00
22 11 16 00-0902	EA	1" x 1" Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	49.03	19.12
22 11 16 00-0903	EA	1/4" x 1/2" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	26.92	12.88
22 11 16 00-0904	EA	3/8" x 1/2" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	30.62	13.26
22 11 16 00-0905	EA	1/2" x 1/2" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	30.21	14.05
22 11 16 00-0906	EA	3/4" x 3/4" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	34.13	16.00
22 11 16 00-0907	EA	5/8" x 3/4" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	37.40	15.48
22 11 16 00-0908	EA	1" x 3/4" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	45.04	17.56
22 11 16 00-0909	EA	1" x 1" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	49.80	19.12
22 11 16 00-0910	EA	1/2" Brass Push-Fit Ball Valve Note: (Sharkbite)	44.51	14.05
22 11 16 00-0911	EA	3/4" Brass Push-Fit Ball Valve Note: (Sharkbite)	52.10	16.00
22 11 16 00-0912	EA	1" Brass Push-Fit Ball Valve Note: (Sharkbite)	69.15	19.12
22 11 16 00-0913	EA	1/2" Brass Push-Fit Check Valve Note: (Sharkbite)	47.85	14.05
22 11 16 00-0914	EA	3/4" Brass Push-Fit Check Valve Note: (Sharkbite)	57.74	16.00
22 11 16 00-0915	EA	1" Brass Push-Fit Check Valve Note: (Sharkbite)	98.49	19.12

22 11 16 00-0916 Copper Pipe With Fittings And Hangers Assemblies *(22 11 16)*

Note: Includes hangers and all coupling, elbow, tee and reducer fittings. All fittings are based on 95/5 solder. All hangers are complete assemblies installed in accordance with MSS SP 58 and 69. Excludes insulation. Not for use where detail is available.

22 11 16 00-0917	LF	1/2" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	24.41	3.28
		For Type K Tubing Instead Of Type L, Add	*1.80*	
		For Type M Tubing Instead Of Type L, Deduct	*-1.46*	
		For Silver Solder Instead Of 95/5 Solder, Add	*3.05*	
		For For Brazed Fittings, Add	*0.73*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.14*	
		For Work In Restricted Working Space, Add	*5.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0918	LF	3/4" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly	28.30	4.22
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	*2.15*	
		For Type M Tubing Instead Of Type L, Deduct	*-1.74*	
		For Silver Solder Instead Of 95/5 Solder, Add	*3.49*	
		For For Brazed Fittings, Add	*0.83*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.45*	
		For Work In Restricted Working Space, Add	*6.23*	
22 11 16 00-0919	LF	1" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly	31.48	5.03
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	*2.57*	
		For Type M Tubing Instead Of Type L, Deduct	*-2.04*	
		For Silver Solder Instead Of 95/5 Solder, Add	*3.75*	
		For For Brazed Fittings, Add	*0.87*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.66*	
		For Work In Restricted Working Space, Add	*6.53*	
22 11 16 00-0920	LF	1-1/4" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly	36.09	5.85
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	*3.26*	
		For Type M Tubing Instead Of Type L, Deduct	*-2.52*	
		For Silver Solder Instead Of 95/5 Solder, Add	*4.06*	
		For For Brazed Fittings, Add	*0.90*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.93*	
		For Work In Restricted Working Space, Add	*6.78*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-1.35*	
22 11 16 00-0921	LF	1-1/2" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly	40.42	6.68
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	*3.81*	
		For Type M Tubing Instead Of Type L, Deduct	*-2.92*	
		For Silver Solder Instead Of 95/5 Solder, Add	*4.43*	
		For For Brazed Fittings, Add	*0.96*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.23*	
		For Work In Restricted Working Space, Add	*7.23*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-1.63*	
22 11 16 00-0922	LF	2" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly	51.73	8.31
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	*5.29*	
		For Type M Tubing Instead Of Type L, Deduct	*-3.99*	
		For Silver Solder Instead Of 95/5 Solder, Add	*5.36*	
		For For Brazed Fittings, Add	*1.11*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.97*	
		For Work In Restricted Working Space, Add	*8.32*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-2.40*	
22 11 16 00-0923	LF	2-1/2" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly	64.22	10.02
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	*7.20*	
		For Type M Tubing Instead Of Type L, Deduct	*-5.33*	
		For Silver Solder Instead Of 95/5 Solder, Add	*6.19*	
		For For Brazed Fittings, Add	*1.19*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.70*	
		For Work In Restricted Working Space, Add	*8.92*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-3.45*	
22 11 16 00-0924	LF	3" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly	79.01	11.64
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	*9.45*	
		For Type M Tubing Instead Of Type L, Deduct	*-6.90*	
		For Silver Solder Instead Of 95/5 Solder, Add	*7.17*	
		For For Brazed Fittings, Add	*1.29*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.56*	
		For Work In Restricted Working Space, Add	*9.66*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-4.68*	
22 11 16 00-0925	LF	4" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly	124.54	15.41
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	*16.12*	
		For Type M Tubing Instead Of Type L, Deduct	*-11.61*	
		For Silver Solder Instead Of 95/5 Solder, Add	*10.39*	
		For For Brazed Fittings, Add	*1.67*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.31*	
		For Work In Restricted Working Space, Add	*12.50*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-8.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0926	LF	5" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	219.46	19.19
		For Type K Tubing Instead Of Type L, Add	*31.09*	
		For Type M Tubing Instead Of Type L, Deduct	*-22.06*	
		For Silver Solder Instead Of 95/5 Solder, Add	*16.32*	
		For For Brazed Fittings, Add	*2.14*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-13.65*	
		For Work In Restricted Working Space, Add	*16.04*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-16.60*	
22 11 16 00-0927	LF	6" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	286.61	23.18
		For Type K Tubing Instead Of Type L, Add	*40.86*	
		For Type M Tubing Instead Of Type L, Deduct	*-28.96*	
		For Silver Solder Instead Of 95/5 Solder, Add	*21.12*	
		For For Brazed Fittings, Add	*2.72*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-17.73*	
		For Work In Restricted Working Space, Add	*20.37*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-21.87*	
22 11 16 00-0928	LF	8" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	605.79	27.70
		For Type K Tubing Instead Of Type L, Add	*94.31*	
		For Type M Tubing Instead Of Type L, Deduct	*-65.94*	
		For Silver Solder Instead Of 95/5 Solder, Add	*38.73*	
		For For Brazed Fittings, Add	*3.38*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-34.51*	
		For Work In Restricted Working Space, Add	*25.32*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-52.14*	

22 11 16 00-0929 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings *(22 11 16)*

Note: Socket weld.

22 11 16 00-0930 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings *(22 11 16 00-0929)*

22 11 16 00-0931 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pipe *(22 11 16 00-0930)*

22 11 16 00-0932	LF	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	6.03	1.72
		For Work In Restricted Working Space, Add	*1.29*	
22 11 16 00-0933	LF	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	6.88	1.81
		For Work In Restricted Working Space, Add	*1.36*	
22 11 16 00-0934	LF	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	8.33	1.95
		For Work In Restricted Working Space, Add	*1.46*	
22 11 16 00-0935	LF	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	10.10	2.13
		For Work In Restricted Working Space, Add	*1.60*	
22 11 16 00-0936	LF	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	11.66	2.35
		For Work In Restricted Working Space, Add	*1.76*	
22 11 16 00-0937	LF	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	14.58	2.63
		For Work In Restricted Working Space, Add	*1.97*	
22 11 16 00-0938	LF	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	19.72	2.98
		For Work In Restricted Working Space, Add	*2.24*	
22 11 16 00-0939	LF	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	25.18	3.54
		For Work In Restricted Working Space, Add	*2.65*	
22 11 16 00-0940	LF	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	34.86	4.34
		For Work In Restricted Working Space, Add	*3.26*	
22 11 16 00-0941	LF	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	60.22	5.52
		For Work In Restricted Working Space, Add	*4.14*	
22 11 16 00-0942	LF	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	86.56	7.24
		For Work In Restricted Working Space, Add	*5.43*	

22 11 16 00-0943 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows *(22 11 16 00-0930)*

22 11 16 00-0944	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	23.17	8.19
		For Work In Restricted Working Space, Add	*6.14*	
22 11 16 00-0945	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	30.05	10.34
		For Work In Restricted Working Space, Add	*7.76*	
22 11 16 00-0946	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	39.05	12.93
		For Work In Restricted Working Space, Add	*9.73*	
22 11 16 00-0947	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	53.27	16.17
		For Work In Restricted Working Space, Add	*12.16*	
22 11 16 00-0948	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	59.23	17.89
		For Work In Restricted Working Space, Add	*13.45*	
22 11 16 00-0949	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	69.40	17.89
		For Work In Restricted Working Space, Add	*15.00*	
22 11 16 00-0950	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	107.42	22.74
		For Work In Restricted Working Space, Add	*17.07*	
22 11 16 00-0951	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	122.15	26.95
		For Work In Restricted Working Space, Add	*20.18*	
22 11 16 00-0952	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	174.32	33.09
		For Work In Restricted Working Space, Add	*24.83*	
22 11 16 00-0953	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	219.94	42.03
		For Work In Restricted Working Space, Add	*31.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0954	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	418.78	55.19
		For Work In Restricted Working Space, Add	*41.39*	

22 11 16 00-0955 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows *(22 11 16 00-0930)*

22 11 16 00-0956	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	24.52	8.19
		For Work In Restricted Working Space, Add	*6.14*	
22 11 16 00-0957	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	31.66	10.34
		For Work In Restricted Working Space, Add	*7.76*	
22 11 16 00-0958	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	41.67	12.93
		For Work In Restricted Working Space, Add	*9.73*	
22 11 16 00-0959	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	56.71	16.17
		For Work In Restricted Working Space, Add	*12.16*	
22 11 16 00-0960	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	63.41	17.89
		For Work In Restricted Working Space, Add	*13.45*	
22 11 16 00-0961	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	70.82	20.05
		For Work In Restricted Working Space, Add	*15.00*	
22 11 16 00-0962	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	108.32	22.74
		For Work In Restricted Working Space, Add	*17.07*	
22 11 16 00-0963	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	122.03	26.95
		For Work In Restricted Working Space, Add	*20.18*	
22 11 16 00-0964	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	157.92	33.09
		For Work In Restricted Working Space, Add	*24.83*	
22 11 16 00-0965	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	250.69	42.03
		For Work In Restricted Working Space, Add	*31.56*	
22 11 16 00-0966	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	440.56	55.19
		For Work In Restricted Working Space, Add	*41.39*	

22 11 16 00-0967 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tees *(22 11 16 00-0930)*

22 11 16 00-0968	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	35.62	12.29
		For Work In Restricted Working Space, Add	*9.22*	
22 11 16 00-0969	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	46.61	15.52
		For Work In Restricted Working Space, Add	*11.64*	
22 11 16 00-0970	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	58.32	19.51
		For Work In Restricted Working Space, Add	*14.62*	
22 11 16 00-0971	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	81.04	24.36
		For Work In Restricted Working Space, Add	*18.24*	
22 11 16 00-0972	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	90.46	26.95
		For Work In Restricted Working Space, Add	*20.18*	
22 11 16 00-0973	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	109.63	29.97
		For Work In Restricted Working Space, Add	*22.51*	
22 11 16 00-0974	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	142.23	34.17
		For Work In Restricted Working Space, Add	*25.61*	
22 11 16 00-0975	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	162.75	40.31
		For Work In Restricted Working Space, Add	*30.27*	
22 11 16 00-0976	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	197.26	49.69
		For Work In Restricted Working Space, Add	*37.25*	
22 11 16 00-0977	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	300.60	63.17
		For Work In Restricted Working Space, Add	*47.34*	
22 11 16 00-0978	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	615.77	82.78
		For Work In Restricted Working Space, Add	*62.09*	

22 11 16 00-0979 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Crosses *(22 11 16 00-0930)*

22 11 16 00-0980	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	45.18	16.39
		For Work In Restricted Working Space, Add	*12.29*	
22 11 16 00-0981	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	58.46	20.70
		For Work In Restricted Working Space, Add	*15.52*	
22 11 16 00-0982	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	73.16	25.98
		For Work In Restricted Working Space, Add	*19.47*	
22 11 16 00-0983	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	98.50	32.44
		For Work In Restricted Working Space, Add	*24.32*	
22 11 16 00-0984	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	109.67	35.89
		For Work In Restricted Working Space, Add	*26.90*	
22 11 16 00-0985	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	129.84	39.99
		For Work In Restricted Working Space, Add	*30.01*	
22 11 16 00-0986	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	162.79	45.49
		For Work In Restricted Working Space, Add	*34.15*	
22 11 16 00-0987	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	187.80	53.79
		For Work In Restricted Working Space, Add	*40.36*	
22 11 16 00-0988	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	228.51	66.18
		For Work In Restricted Working Space, Add	*49.67*	
22 11 16 00-0989	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	333.39	84.19
		For Work In Restricted Working Space, Add	*63.12*	
22 11 16 00-0990	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	628.07	110.38
		For Work In Restricted Working Space, Add	*82.79*	

22 11 16 00-0991 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld Reducing Inserts *(22 11 16 00-0930)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0992	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	20.58	7.54
		For Work In Restricted Working Space, Add	*5.69*	
22 11 16 00-0993	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	28.68	10.24
		For Work In Restricted Working Space, Add	*7.66*	
22 11 16 00-0994	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	47.76	13.37
		For Work In Restricted Working Space, Add	*10.02*	
22 11 16 00-0995	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	53.90	14.77
		For Work In Restricted Working Space, Add	*11.09*	
22 11 16 00-0996	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	63.51	16.49
		For Work In Restricted Working Space, Add	*12.38*	
22 11 16 00-0997	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	69.23	18.76
		For Work In Restricted Working Space, Add	*14.10*	
22 11 16 00-0998	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	83.98	22.20
		For Work In Restricted Working Space, Add	*16.65*	
22 11 16 00-0999	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	113.95	27.27
		For Work In Restricted Working Space, Add	*20.50*	
22 11 16 00-1000	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	183.95	34.71
		For Work In Restricted Working Space, Add	*26.03*	
22 11 16 00-1001	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	406.21	45.49
		For Work In Restricted Working Space, Add	*34.15*	

22 11 16 00-1002 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Thread Reducing Inserts *(22 11 16 00-0930)*

22 11 16 00-1003	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	24.02	5.39
		For Work In Restricted Working Space, Add	*4.04*	
22 11 16 00-1004	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	30.33	7.54
		For Work In Restricted Working Space, Add	*5.69*	
22 11 16 00-1005	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	37.72	10.24
		For Work In Restricted Working Space, Add	*7.66*	
22 11 16 00-1006	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	46.97	13.37
		For Work In Restricted Working Space, Add	*10.02*	
22 11 16 00-1007	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	55.05	14.77
		For Work In Restricted Working Space, Add	*11.09*	
22 11 16 00-1008	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	69.27	16.49
		For Work In Restricted Working Space, Add	*12.38*	
22 11 16 00-1009	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	106.82	18.76
		For Work In Restricted Working Space, Add	*14.10*	
22 11 16 00-1010	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	211.76	22.20
		For Work In Restricted Working Space, Add	*16.65*	
22 11 16 00-1011	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	314.58	27.27
		For Work In Restricted Working Space, Add	*20.50*	

22 11 16 00-1012 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters *(22 11 16 00-0930)*

22 11 16 00-1013	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	17.52	5.39
		For Work In Restricted Working Space, Add	*4.04*	
22 11 16 00-1014	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	24.43	7.54
		For Work In Restricted Working Space, Add	*5.69*	
22 11 16 00-1015	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	34.73	10.24
		For Work In Restricted Working Space, Add	*7.66*	
22 11 16 00-1016	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	46.97	13.37
		For Work In Restricted Working Space, Add	*10.02*	
22 11 16 00-1017	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	55.32	14.77
		For Work In Restricted Working Space, Add	*11.09*	
22 11 16 00-1018	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	66.09	16.49
		For Work In Restricted Working Space, Add	*12.38*	
22 11 16 00-1019	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	93.97	18.76
		For Work In Restricted Working Space, Add	*14.10*	
22 11 16 00-1020	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	112.30	22.20
		For Work In Restricted Working Space, Add	*16.65*	
22 11 16 00-1021	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	164.35	27.27
		For Work In Restricted Working Space, Add	*20.50*	

22 11 16 00-1022 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters *(22 11 16 00-0930)*

22 11 16 00-1023	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	19.05	5.39
		For Work In Restricted Working Space, Add	*4.04*	
22 11 16 00-1024	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	24.91	7.54
		For Work In Restricted Working Space, Add	*5.69*	
22 11 16 00-1025	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	34.86	10.24
		For Work In Restricted Working Space, Add	*7.66*	
22 11 16 00-1026	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	47.42	13.37
		For Work In Restricted Working Space, Add	*10.02*	
22 11 16 00-1027	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	53.26	14.77
		For Work In Restricted Working Space, Add	*11.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1028	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	64.41	16.49
		For Work In Restricted Working Space, Add	*12.38*	
22 11 16 00-1029	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	94.94	18.76
		For Work In Restricted Working Space, Add	*14.10*	
22 11 16 00-1030	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	129.26	22.20
		For Work In Restricted Working Space, Add	*16.65*	
22 11 16 00-1031	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	193.19	27.27
		For Work In Restricted Working Space, Add	*20.50*	

22 11 16 00-1032 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings *(22 11 16 00-0930)*

22 11 16 00-1033	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	15.73	4.96
		For Work In Restricted Working Space, Add	*3.69*	
22 11 16 00-1034	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	22.10	6.90
		For Work In Restricted Working Space, Add	*5.17*	
22 11 16 00-1035	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	29.72	9.27
		For Work In Restricted Working Space, Add	*6.95*	
22 11 16 00-1036	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	40.15	12.18
		For Work In Restricted Working Space, Add	*9.12*	
22 11 16 00-1037	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	45.92	13.48
		For Work In Restricted Working Space, Add	*10.09*	
22 11 16 00-1038	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	51.78	14.98
		For Work In Restricted Working Space, Add	*11.25*	
22 11 16 00-1039	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	76.91	17.03
		For Work In Restricted Working Space, Add	*12.81*	
22 11 16 00-1040	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	85.01	20.16
		For Work In Restricted Working Space, Add	*15.14*	
22 11 16 00-1041	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	107.37	24.79
		For Work In Restricted Working Space, Add	*18.63*	
22 11 16 00-1042	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	168.23	31.58
		For Work In Restricted Working Space, Add	*23.67*	
22 11 16 00-1043	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	284.50	41.39
		For Work In Restricted Working Space, Add	*31.04*	

22 11 16 00-1044 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions *(22 11 16 00-0930)*

22 11 16 00-1045	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	29.42	5.93
		For Work In Restricted Working Space, Add	*4.43*	
22 11 16 00-1046	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	36.06	8.30
		For Work In Restricted Working Space, Add	*6.21*	
22 11 16 00-1047	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	43.65	11.10
		For Work In Restricted Working Space, Add	*8.34*	
22 11 16 00-1048	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	73.68	14.56
		For Work In Restricted Working Space, Add	*10.93*	
22 11 16 00-1049	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	78.23	16.17
		For Work In Restricted Working Space, Add	*12.09*	
22 11 16 00-1050	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	107.98	18.00
		For Work In Restricted Working Space, Add	*13.52*	
22 11 16 00-1051	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	181.67	20.48
		For Work In Restricted Working Space, Add	*15.36*	
22 11 16 00-1052	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	257.74	24.26
		For Work In Restricted Working Space, Add	*18.17*	
22 11 16 00-1053	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	409.65	29.75
		For Work In Restricted Working Space, Add	*22.34*	
22 11 16 00-1054	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	547.32	37.83
		For Work In Restricted Working Space, Add	*28.40*	
22 11 16 00-1055	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	677.13	49.69
		For Work In Restricted Working Space, Add	*37.25*	

22 11 16 00-1056 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Caps *(22 11 16 00-0930)*

22 11 16 00-1057	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	13.11	5.07
		For Work In Restricted Working Space, Add	*2.31*	
22 11 16 00-1058	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	17.40	6.36
		For Work In Restricted Working Space, Add	*2.91*	
22 11 16 00-1059	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	25.77	7.98
		For Work In Restricted Working Space, Add	*3.65*	
22 11 16 00-1060	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	30.11	6.03
		For Work In Restricted Working Space, Add	*4.56*	
22 11 16 00-1061	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	32.02	6.68
		For Work In Restricted Working Space, Add	*5.04*	
22 11 16 00-1062	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	43.24	7.54
		For Work In Restricted Working Space, Add	*5.63*	
22 11 16 00-1063	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	65.43	8.51
		For Work In Restricted Working Space, Add	*6.40*	
22 11 16 00-1064	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	70.32	10.13
		For Work In Restricted Working Space, Add	*7.57*	
22 11 16 00-1065	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	107.11	12.40
		For Work In Restricted Working Space, Add	*9.31*	
22 11 16 00-1066	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	228.73	15.73
		For Work In Restricted Working Space, Add	*11.84*	
22 11 16 00-1067	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	294.77	20.70
		For Work In Restricted Working Space, Add	*15.52*	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1068		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges** *(22 11 16 00-0930)*		
22 11 16 00-1069	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	22.89	3.88
		For Work In Restricted Working Space, Add	*2.94*	
22 11 16 00-1070	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	27.81	5.50
		For Work In Restricted Working Space, Add	*4.14*	
22 11 16 00-1071	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	34.16	7.43
		For Work In Restricted Working Space, Add	*5.56*	
22 11 16 00-1072	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	40.43	9.70
		For Work In Restricted Working Space, Add	*7.31*	
22 11 16 00-1073	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	43.39	10.78
		For Work In Restricted Working Space, Add	*8.09*	
22 11 16 00-1074	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	51.83	11.97
		For Work In Restricted Working Space, Add	*8.99*	
22 11 16 00-1075	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	68.29	13.69
		For Work In Restricted Working Space, Add	*10.25*	
22 11 16 00-1076	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	77.52	16.17
		For Work In Restricted Working Space, Add	*12.09*	
22 11 16 00-1077	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	96.84	19.83
		For Work In Restricted Working Space, Add	*14.91*	
22 11 16 00-1078	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	137.29	25.22
		For Work In Restricted Working Space, Add	*18.95*	
22 11 16 00-1079	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	250.01	33.09
		For Work In Restricted Working Space, Add	*24.83*	
22 11 16 00-1080		**Polypropylene Random (PP-R), Heat Fusion, Domestic Water Pipe** *(22 11 16)*		
22 11 16 00-1081		**Polypropylene Random (PP-R), Heat Fusion, Domestic Hot Water Pipe** *(22 11 16 00-1080)*		
		Note: Aquatherm greenpipe®		
22 11 16 00-1082	LF	1/2" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	5.23	1.83
22 11 16 00-1083	LF	3/4" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	6.19	1.91
22 11 16 00-1084	LF	1" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	8.47	2.30
22 11 16 00-1085	LF	1-1/4" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	10.78	2.47
22 11 16 00-1086	LF	1-1/2" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	15.08	2.76
22 11 16 00-1087	LF	2" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	20.21	2.83
22 11 16 00-1088	LF	2-1/2" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	28.89	3.84
22 11 16 00-1089	LF	3" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	38.49	4.43
22 11 16 00-1090	LF	3-1/2" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	52.04	4.96
22 11 16 00-1091	LF	4" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	61.65	5.48
22 11 16 00-1092		**Polypropylene Random (PP-R), Heat Fusion, Domestic Cold Water Pipe** *(22 11 16 00-1080)*		
		Note: Aquatherm greenpipe®		
22 11 16 00-1093	LF	1/2" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	4.74	1.83
22 11 16 00-1094	LF	3/4" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	5.38	1.91
22 11 16 00-1095	LF	1" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	7.02	2.30
22 11 16 00-1096	LF	1-1/4" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	8.65	2.47
22 11 16 00-1097	LF	1-1/2" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	11.38	2.76
22 11 16 00-1098	LF	2" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	14.94	2.83
22 11 16 00-1099	LF	2-1/2" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	20.78	3.84
22 11 16 00-1100	LF	3" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	27.79	4.43
22 11 16 00-1101	LF	3-1/2" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	38.61	4.96
22 11 16 00-1102	LF	4" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	45.73	5.48
22 11 16 00-1103		**Polypropylene Random (PP-R), Heat Fusion, UV Protected, Domestic Hot Water Pipe** *(22 11 16 00-1080)*		
		Note: Aquatherm greenpipe®.		
22 11 16 00-1104	LF	1/2" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	5.48	1.83
22 11 16 00-1105	LF	3/4" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	6.54	1.91
22 11 16 00-1106	LF	1" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	8.86	2.30
22 11 16 00-1107	LF	1-1/4" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	11.28	2.47
22 11 16 00-1108	LF	1-1/2" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	16.52	2.76
22 11 16 00-1109	LF	2" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	21.00	2.83
22 11 16 00-1110	LF	2-1/2" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	30.00	3.84
22 11 16 00-1111	LF	3" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	41.28	4.43
22 11 16 00-1112	LF	3-1/2" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	51.90	4.96
22 11 16 00-1113	LF	4" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	61.21	5.48
22 11 16 00-1114		**Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe** *(22 11 16 00-1080)*		
		Note: Aquatherm climatherm®.		
22 11 16 00-1115	LF	1/2" 7.4 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	4.72	1.84
22 11 16 00-1116	LF	3/4" 7.4 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	5.47	1.91
22 11 16 00-1117	LF	1" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	6.48	2.30
22 11 16 00-1118	LF	1-1/4" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	7.89	2.47
22 11 16 00-1119	LF	1-1/2" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	10.00	2.77

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1120	LF	2" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	12.86	2.83
22 11 16 00-1121	LF	2-1/2" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	17.93	3.84
22 11 16 00-1122	LF	3" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	23.81	4.43
22 11 16 00-1123	LF	3-1/2" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	32.06	4.97
22 11 16 00-1124	LF	4" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	38.76	5.48
22 11 16 00-1125	LF	6" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	46.46	7.01
22 11 16 00-1126	LF	8" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	74.94	9.20
22 11 16 00-1127		**Pipe Clamp For Polypropylene Random (PP-R) Pipe** *(22 11 16 00-1080)*		
22 11 16 00-1128	EA	1/2" Pipe Clamp For Polypropylene Pipe	13.26	4.55
22 11 16 00-1129	EA	3/4" Pipe Clamp For Polypropylene Pipe	13.89	4.55
22 11 16 00-1130	EA	1" Pipe Clamp For Polypropylene Pipe	14.32	4.55
22 11 16 00-1131	EA	1-1/4" Pipe Clamp For Polypropylene Pipe	14.46	4.55
22 11 16 00-1132	EA	1-1/2" Pipe Clamp For Polypropylene Pipe	14.95	4.55
22 11 16 00-1133	EA	2" Pipe Clamp For Polypropylene Pipe	16.37	4.55
22 11 16 00-1134	EA	2-1/2" Pipe Clamp For Polypropylene Pipe	18.42	4.55
22 11 16 00-1135	EA	3" Pipe Clamp For Polypropylene Pipe	19.12	4.55
22 11 16 00-1136	EA	3-1/2" Pipe Clamp For Polypropylene Pipe	20.11	4.55
22 11 16 00-1137	EA	4" Pipe Clamp For Polypropylene Pipe	21.45	4.55
22 11 16 00-1138		**Polypropylene Random (PP-R) Pipe, Pipe Fastening Strap** *(22 11 16 00-1080)*		
22 11 16 00-1139	EA	Up to 1" Polypropylene Pipe, Single Pipe Fastening Strap, 1-3/8" Spike	4.37	
22 11 16 00-1140	EA	Up to 1" Polypropylene Pipe, Single Pipe Fastening Strap, 2-1/2" Spike	4.54	
22 11 16 00-1141	EA	Up to 1" Polypropylene Pipe, Double Pipe Fastening Strap, 1-3/8" Spike	4.63	
22 11 16 00-1142	EA	Up to 1" Polypropylene Pipe, Double Pipe Fastening Strap, 2-1/2" Spike	4.69	
22 11 16 00-1143		**Polypropylene Random (PP-R) Pipe Plastic Pipe Clamp** *(22 11 16 00-1080)*		
22 11 16 00-1144	EA	1/2" Polypropylene Pipe Plastic Pipe Clamp	10.21	2.37
22 11 16 00-1145	EA	3/4" Polypropylene Pipe Plastic Pipe Clamp	10.64	2.37
22 11 16 00-1146		**Polypropylene Random (PP-R), Heat Fusion, Socket Coupling** *(22 11 16 00-1080)*		
22 11 16 00-1147	EA	1/2" Polypropylene, Heat Fusion, Socket Coupling	9.13	3.67
22 11 16 00-1148	EA	3/4" Polypropylene, Heat Fusion, Socket Coupling	9.67	3.84
22 11 16 00-1149	EA	1" Polypropylene, Heat Fusion, Socket Coupling	11.84	4.60
22 11 16 00-1150	EA	1-1/4" Polypropylene, Heat Fusion, Socket Coupling	13.02	4.93
22 11 16 00-1151	EA	1-1/2" Polypropylene, Heat Fusion, Socket Coupling	17.71	5.53
22 11 16 00-1152	EA	2" Polypropylene, Heat Fusion, Socket Coupling	24.55	5.64
22 11 16 00-1153	EA	2-1/2" Polypropylene, Heat Fusion, Socket Coupling	30.19	7.67
22 11 16 00-1154	EA	3" Polypropylene, Heat Fusion, Socket Coupling	50.40	8.88
22 11 16 00-1155	EA	3-1/2" Polypropylene, Heat Fusion, Socket Coupling	72.93	9.91
22 11 16 00-1156	EA	4" Polypropylene, Heat Fusion, Socket Coupling	91.58	10.96
22 11 16 00-1157		**Polypropylene Random (PP-R), Heat Fusion, Bushing** *(22 11 16 00-1080)*		
22 11 16 00-1158	EA	1" Polypropylene, Heat Fusion, Bushing	10.01	3.67
22 11 16 00-1159	EA	1-1/4" Polypropylene, Heat Fusion, Bushing	11.78	3.84
22 11 16 00-1160	EA	1-1/2" Polypropylene, Heat Fusion, Bushing	16.00	4.60
22 11 16 00-1161	EA	2" Polypropylene, Heat Fusion, Bushing	23.46	4.93
22 11 16 00-1162	EA	2-1/2" Polypropylene, Heat Fusion, Bushing	26.28	5.53
22 11 16 00-1163	EA	3" Polypropylene, Heat Fusion, Bushing	45.16	5.64
22 11 16 00-1164	EA	3-1/2" Polypropylene, Heat Fusion, Bushing	69.50	7.67
22 11 16 00-1165	EA	4" x 2-1/2" Polypropylene, Heat Fusion, Bushing	83.84	8.88
22 11 16 00-1166	EA	4" x 3" Polypropylene, Heat Fusion, Bushing	102.03	9.91
22 11 16 00-1167	EA	4" x 3-1/2" Polypropylene, Heat Fusion, Bushing	106.56	10.96
22 11 16 00-1168		**Polypropylene Random (PP-R), Heat Fusion, Reducing Coupling** *(22 11 16 00-1080)*		
22 11 16 00-1169	EA	1-1/4" Polypropylene, Heat Fusion, Reducing Coupling	14.02	3.84
22 11 16 00-1170	EA	1-1/2" Polypropylene, Heat Fusion, Reducing Coupling	18.78	4.60
22 11 16 00-1171	EA	2" Polypropylene, Heat Fusion, Reducing Coupling	28.97	4.93
22 11 16 00-1172	EA	2-1/2" Polypropylene, Heat Fusion, Reducing Coupling	32.07	5.53
22 11 16 00-1173	EA	3" Polypropylene, Heat Fusion, Reducing Coupling	39.58	5.64
22 11 16 00-1174	EA	3-1/2" Polypropylene, Heat Fusion, Reducing Coupling	64.44	7.67
22 11 16 00-1175	EA	4" x 3" Polypropylene, Heat Fusion, Reducing Coupling	83.98	9.32
22 11 16 00-1176	EA	4" x 3-1/2" Polypropylene, Heat Fusion, Reducing Coupling	93.84	10.96
22 11 16 00-1177		**Polypropylene Random (PP-R), Heat Fusion, 90 Degree Elbow** *(22 11 16 00-1080)*		
22 11 16 00-1178	EA	1/2" Polypropylene, Heat Fusion, 90 Degree Elbow	16.60	7.34
22 11 16 00-1179	EA	3/4" Polypropylene, Heat Fusion, 90 Degree Elbow	17.92	7.72
22 11 16 00-1180	EA	1" Polypropylene, Heat Fusion, 90 Degree Elbow	21.97	9.20
22 11 16 00-1181	EA	1-1/4" Polypropylene, Heat Fusion, 90 Degree Elbow	25.31	9.91
22 11 16 00-1182	EA	1-1/2" Polypropylene, Heat Fusion, 90 Degree Elbow	33.82	11.01
22 11 16 00-1183	EA	2" Polypropylene, Heat Fusion, 90 Degree Elbow	40.58	11.23
22 11 16 00-1184	EA	2-1/2" Polypropylene, Heat Fusion, 90 Degree Elbow	70.98	15.39
22 11 16 00-1185	EA	3" Polypropylene, Heat Fusion, 90 Degree Elbow	102.31	17.75

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LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1186	EA	3-1/2" Polypropylene, Heat Fusion, 90 Degree Elbow	134.54	19.83
22 11 16 00-1187	EA	4" Polypropylene, Heat Fusion, 90 Degree Elbow	189.97	21.91
22 11 16 00-1188		**Polypropylene Random (PP-R), Heat Fusion, 90 Degree Street Elbow** *(22 11 16 00-1080)*		
22 11 16 00-1189	EA	1/2" Polypropylene, Heat Fusion, 90 Degree Street Elbow	16.60	7.34
22 11 16 00-1190	EA	3/4" Polypropylene, Heat Fusion, 90 Degree Street Elbow	17.92	7.72
22 11 16 00-1191	EA	1" Polypropylene, Heat Fusion, 90 Degree Street Elbow	21.97	9.20
22 11 16 00-1192	EA	1-1/4" Polypropylene, Heat Fusion, 90 Degree Street Elbow	25.31	9.91
22 11 16 00-1193		**Polypropylene Random (PP-R), Heat Fusion, 45 Degree Elbow** *(22 11 16 00-1080)*		
22 11 16 00-1194	EA	1/2" Polypropylene, Heat Fusion, 45 Degree Elbow	16.60	7.34
22 11 16 00-1195	EA	3/4" Polypropylene, Heat Fusion, 45 Degree Elbow	17.92	7.72
22 11 16 00-1196	EA	1" Polypropylene, Heat Fusion, 45 Degree Elbow	21.97	9.20
22 11 16 00-1197	EA	1-1/4" Polypropylene, Heat Fusion, 45 Degree Elbow	25.31	9.91
22 11 16 00-1198	EA	1-1/2" Polypropylene, Heat Fusion, 45 Degree Elbow	33.82	11.01
22 11 16 00-1199	EA	2" Polypropylene, Heat Fusion, 45 Degree Elbow	40.36	11.23
22 11 16 00-1200	EA	2-1/2" Polypropylene, Heat Fusion, 45 Degree Elbow	70.50	15.39
22 11 16 00-1201	EA	3" Polypropylene, Heat Fusion, 45 Degree Elbow	108.81	17.75
22 11 16 00-1202	EA	3-1/2" Polypropylene, Heat Fusion, 45 Degree Elbow	144.04	19.83
22 11 16 00-1203	EA	4" Polypropylene, Heat Fusion, 45 Degree Elbow	204.55	21.91
22 11 16 00-1204		**Polypropylene Random (PP-R), Heat Fusion, 45 Degree Street Elbow** *(22 11 16 00-1080)*		
22 11 16 00-1205	EA	1/2" Polypropylene, Heat Fusion, 45 Degree Street Elbow	16.58	7.34
22 11 16 00-1206	EA	3/4" Polypropylene, Heat Fusion, 45 Degree Street Elbow	17.92	7.72
22 11 16 00-1207	EA	1" Polypropylene, Heat Fusion, 45 Degree Street Elbow	21.97	9.20
22 11 16 00-1208	EA	1-1/4" Polypropylene, Heat Fusion, 45 Degree Street Elbow	25.31	9.91
22 11 16 00-1209		**Polypropylene Random (PP-R), Heat Fusion, Tee** *(22 11 16 00-1080)*		
22 11 16 00-1210	EA	1/2" Polypropylene, Heat Fusion, Tee	24.61	11.01
22 11 16 00-1211	EA	3/4" Polypropylene, Heat Fusion, Tee	26.68	11.56
22 11 16 00-1212	EA	1" Polypropylene, Heat Fusion, Tee	32.03	13.75
22 11 16 00-1213	EA	1-1/4" Polypropylene, Heat Fusion, Tee	36.60	14.85
22 11 16 00-1214	EA	1-1/2" Polypropylene, Heat Fusion, Tee	52.81	16.55
22 11 16 00-1215	EA	2" Polypropylene, Heat Fusion, Tee	62.00	16.87
22 11 16 00-1216	EA	2-1/2" Polypropylene, Heat Fusion, Tee	93.45	23.07
22 11 16 00-1217	EA	3" Polypropylene, Heat Fusion, Tee	131.40	26.62
22 11 16 00-1218	EA	3-1/2" Polypropylene, Heat Fusion, Tee	181.27	29.72
22 11 16 00-1219	EA	4" Polypropylene, Heat Fusion, Tee	227.57	32.81
22 11 16 00-1220		**Polypropylene Random (PP-R), Heat Fusion, Reducing Tee** *(22 11 16 00-1080)*		
22 11 16 00-1221	EA	1/2" Polypropylene, Heat Fusion, Reducing Tee	24.61	11.01
22 11 16 00-1222	EA	3/4" Polypropylene, Heat Fusion, Reducing Tee	26.68	11.56
22 11 16 00-1223	EA	1" Polypropylene, Heat Fusion, Reducing Tee	31.97	13.75
22 11 16 00-1224	EA	1-1/4" Polypropylene, Heat Fusion, Reducing Tee	36.60	14.85
22 11 16 00-1225	EA	1-1/2" Polypropylene, Heat Fusion, Reducing Tee	52.81	16.55
22 11 16 00-1226	EA	2" Polypropylene, Heat Fusion, Reducing Tee	60.30	16.87
22 11 16 00-1227	EA	2-1/2" Polypropylene, Heat Fusion, Reducing Tee	89.40	23.07
22 11 16 00-1228	EA	3" Polypropylene, Heat Fusion, Reducing Tee	140.03	26.62
22 11 16 00-1229	EA	3-1/2" Polypropylene, Heat Fusion, Reducing Tee	195.04	29.72
22 11 16 00-1230	EA	4" x 2-1/2" Polypropylene, Heat Fusion, Reducing Tee	222.68	32.81
22 11 16 00-1231	EA	4" x 3" Polypropylene, Heat Fusion, Reducing Tee	228.13	32.81
22 11 16 00-1232	EA	4" x 3-1/2" Polypropylene, Heat Fusion, Reducing Tee	228.74	32.81
22 11 16 00-1233		**Polypropylene Random (PP-R), Heat Fusion, End Cap** *(22 11 16 00-1080)*		
22 11 16 00-1234	EA	1/2" Polypropylene, Heat Fusion, End Cap	10.15	3.67
22 11 16 00-1235	EA	3/4" Polypropylene, Heat Fusion, End Cap	11.23	3.84
22 11 16 00-1236	EA	1" Polypropylene, Heat Fusion, End Cap	13.52	4.60
22 11 16 00-1237	EA	1-1/4" Polypropylene, Heat Fusion, End Cap	16.66	4.93
22 11 16 00-1238	EA	1-1/2" Polypropylene, Heat Fusion, End Cap	20.44	5.53
22 11 16 00-1239	EA	2" Polypropylene, Heat Fusion, End Cap	26.97	5.64
22 11 16 00-1240	EA	2-1/2" Polypropylene, Heat Fusion, End Cap	38.09	7.67
22 11 16 00-1241	EA	3" Polypropylene, Heat Fusion, End Cap	69.15	8.88
22 11 16 00-1242	EA	3-1/2" Polypropylene, Heat Fusion, End Cap	81.66	9.91
22 11 16 00-1243	EA	4" Polypropylene, Heat Fusion, End Cap	116.07	10.96
22 11 16 00-1244		**Polypropylene Random (PP-R), Heat Fusion Outlet** *(22 11 16 00-1080)*		
22 11 16 00-1245	EA	1-1/4" x 1/2" Polypropylene, Heat Fusion Outlet	12.97	
22 11 16 00-1246	EA	1-1/4" x 3/4" Polypropylene, Heat Fusion Outlet	13.30	
22 11 16 00-1247	EA	1-1/2" x 1/2" Polypropylene, Heat Fusion Outlet	13.63	
22 11 16 00-1248	EA	1-1/2" x 3/4" Polypropylene, Heat Fusion Outlet	13.96	
22 11 16 00-1249	EA	2" x 1/2" Polypropylene, Heat Fusion Outlet	14.74	
22 11 16 00-1250	EA	2" x 3/4" Polypropylene, Heat Fusion Outlet	15.07	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1251	EA	2" x 1" Polypropylene, Heat Fusion Outlet	16.70	
22 11 16 00-1252	EA	2-1/2" x 1/2" Polypropylene, Heat Fusion Outlet	15.84	
22 11 16 00-1253	EA	2-1/2" x 3/4" Polypropylene, Heat Fusion Outlet	16.17	
22 11 16 00-1254	EA	2-1/2" x 1" Polypropylene, Heat Fusion Outlet	17.80	
22 11 16 00-1255	EA	2-1/2" x 1-1/4" Polypropylene, Heat Fusion Outlet	18.57	
22 11 16 00-1256	EA	3" x 1/2" Polypropylene, Heat Fusion Outlet	16.95	
22 11 16 00-1257	EA	3" x 3/4" Polypropylene, Heat Fusion Outlet	17.28	
22 11 16 00-1258	EA	3" x 1" Polypropylene, Heat Fusion Outlet	18.91	
22 11 16 00-1259	EA	3" x 1-1/4" Polypropylene, Heat Fusion Outlet	19.68	
22 11 16 00-1260	EA	3-1/2" x 1/2" Polypropylene, Heat Fusion Outlet	16.95	
22 11 16 00-1261	EA	3-1/2" x 3/4" Polypropylene, Heat Fusion Outlet	18.38	
22 11 16 00-1262	EA	3-1/2" x 1" Polypropylene, Heat Fusion Outlet	20.01	
22 11 16 00-1263	EA	3-1/2" x 1-1/4" Polypropylene, Heat Fusion Outlet	20.78	
22 11 16 00-1264	EA	3-1/2" x 1-1/2" Polypropylene, Heat Fusion Outlet	24.75	
22 11 16 00-1265	EA	4" x 1/2" Polypropylene, Heat Fusion Outlet	19.16	
22 11 16 00-1266	EA	4" x 3/4" Polypropylene, Heat Fusion Outlet	19.49	
22 11 16 00-1267	EA	4" x 1" Polypropylene, Heat Fusion Outlet	21.12	
22 11 16 00-1268	EA	4" x 1-1/4" Polypropylene, Heat Fusion Outlet	21.89	
22 11 16 00-1269	EA	4" x 1-1/2" Polypropylene, Heat Fusion Outlet	24.75	
22 11 16 00-1270	EA	4" x 2" Polypropylene, Heat Fusion Outlet	29.64	
22 11 16 00-1271		**Polypropylene Random (PP-R), Flange Adaptor With Gaskets Included** *(22 11 16 00-1080)*		
22 11 16 00-1272	EA	1" Polypropylene, Flange Adaptor With Gaskets Included	15.40	4.60
22 11 16 00-1273	EA	1-1/4" Polypropylene, Flange Adaptor With Gaskets Included	17.18	4.93
22 11 16 00-1274	EA	1-1/2" Polypropylene, Flange Adaptor With Gaskets Included	22.52	5.53
22 11 16 00-1275	EA	2" Polypropylene, Flange Adaptor With Gaskets Included	24.19	5.64
22 11 16 00-1276	EA	2-1/2" Polypropylene, Flange Adaptor With Gaskets Included	33.41	7.67
22 11 16 00-1277	EA	3" Polypropylene, Flange Adaptor With Gaskets Included	54.50	8.88
22 11 16 00-1278	EA	3-1/2" Polypropylene, Flange Adaptor With Gaskets Included	74.56	9.91
22 11 16 00-1279	EA	4" Polypropylene, Flange Adaptor With Gaskets Included	161.33	10.96
22 11 16 00-1280		**Polypropylene Random (PP-R), Flange Ring With ANSI Bolt Pattern** *(22 11 16 00-1080)*		
22 11 16 00-1281	EA	1" Polypropylene, Flange Ring With ANSI Bolt Pattern	28.91	
22 11 16 00-1282	EA	1-1/4" Polypropylene, Flange Ring With ANSI Bolt Pattern	38.30	
22 11 16 00-1283	EA	1-1/2" Polypropylene, Flange Ring With ANSI Bolt Pattern	47.89	
22 11 16 00-1284	EA	2" Polypropylene, Flange Ring With ANSI Bolt Pattern	56.97	
22 11 16 00-1285	EA	2-1/2" Polypropylene, Flange Ring With ANSI Bolt Pattern	79.81	
22 11 16 00-1286	EA	3" Polypropylene, Flange Ring With ANSI Bolt Pattern	92.72	
22 11 16 00-1287	EA	3-1/2" Polypropylene, Flange Ring With ANSI Bolt Pattern	114.94	
22 11 16 00-1288	EA	4" Polypropylene, Flange Ring With ANSI Bolt Pattern	139.28	
22 11 16 00-1289		**Polypropylene Random (PP-R), Electrofusion Coupling** *(22 11 16 00-1080)*		
22 11 16 00-1290	EA	1/2" Polypropylene, Electrofusion Coupling	60.89	7.34
22 11 16 00-1291	EA	3/4" Polypropylene, Electrofusion Coupling	63.47	7.72
22 11 16 00-1292	EA	1" Polypropylene, Electrofusion Coupling	72.20	9.20
22 11 16 00-1293	EA	1-1/4" Polypropylene, Electrofusion Coupling	74.48	9.91
22 11 16 00-1294	EA	1-1/2" Polypropylene, Electrofusion Coupling	80.97	11.01
22 11 16 00-1295	EA	2" Polypropylene, Electrofusion Coupling	107.92	11.23
22 11 16 00-1296	EA	2-1/2" Polypropylene, Electrofusion Coupling	132.08	15.39
22 11 16 00-1297	EA	3" Polypropylene, Electrofusion Coupling	164.76	17.75
22 11 16 00-1298	EA	3-1/2" Polypropylene, Electrofusion Coupling	223.22	19.83
22 11 16 00-1299	EA	4" Polypropylene, Electrofusion Coupling	274.85	21.91
22 11 16 00-1300		**Polypropylene Random (PP-R), Heat Fusion, FIP Rear-Mount Back Plate Elbow** *(22 11 16 00-1080)*		
22 11 16 00-1301	EA	1/2" Polypropylene, Heat Fusion, FIP Rear-Mount Back Plate Elbow	30.44	10.07
22 11 16 00-1302	EA	3/4" Polypropylene, Heat Fusion, FIP Rear-Mount Back Plate Elbow	36.30	10.46
22 11 16 00-1303		**Polypropylene Random (PP-R), Heat Fusion, FIP Side-Mount Back Plate Elbow** *(22 11 16 00-1080)*		
22 11 16 00-1304	EA	1/2" Polypropylene, Heat Fusion, FIP Side-Mount Back Plate Elbow	32.90	10.07
22 11 16 00-1305		**Polypropylene Random (PP-R), Heat Fusion, ISO Plug For Pressure Test** *(22 11 16 00-1080)*		
22 11 16 00-1306	EA	1/2" Polypropylene, Heat Fusion, ISO Plug For Pressure Test	8.74	3.67
22 11 16 00-1307	EA	3/4" Polypropylene, Heat Fusion, ISO Plug For Pressure Test	9.48	3.84
22 11 16 00-1308		**Polypropylene Random (PP-R), Heat Fusion, Round FIP NPT Transition Piece** *(22 11 16 00-1080)*		
22 11 16 00-1309	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Round FIP NPT Transition Piece	23.48	7.34
22 11 16 00-1310	EA	1/2" x 3/4" Polypropylene, Heat Fusion, Round FIP NPT Transition Piece	26.27	7.34
22 11 16 00-1311	EA	3/4" x 1/2" Polypropylene, Heat Fusion, Round FIP NPT Transition Piece	24.25	7.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1312	EA	3/4" x 3/4" Polypropylene, Heat Fusion, Round FIP NPT Transition Piece	27.04	7.72
22 11 16 00-1313	EA	1" x 3/4" Polypropylene, Heat Fusion, Round FIP NPT Transition Piece	31.15	9.20
22 11 16 00-1314		**Polypropylene Random (PP-R), Heat Fusion, Hex FIP NPT Transition Piece** *(22 11 16 00-1080)*		
22 11 16 00-1315	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	28.48	7.34
22 11 16 00-1316	EA	1/2" x 3/4" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	30.85	7.34
22 11 16 00-1317	EA	3/4" x 1/2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	29.25	7.72
22 11 16 00-1318	EA	3/4" x 3/4" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	31.62	7.72
22 11 16 00-1319	EA	1" x 3/4" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	37.03	9.20
22 11 16 00-1320	EA	1" x 1" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	56.23	9.20
22 11 16 00-1321	EA	1-1/4" x 1" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	59.53	9.91
22 11 16 00-1322	EA	1-1/4" x 1-1/4" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	79.58	9.91
22 11 16 00-1323	EA	1-1/2" x 1-1/4" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	83.75	11.01
22 11 16 00-1324	EA	1-1/2" x 1-1/2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	91.32	11.01
22 11 16 00-1325	EA	2" x 1-1/2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	98.37	11.23
22 11 16 00-1326	EA	2" x 2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	129.76	11.23
22 11 16 00-1327	EA	2-1/2" x 2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	142.82	15.39
22 11 16 00-1328		**Polypropylene Random (PP-R), Heat Fusion, Round MIP NPT Transition Piece** *(22 11 16 00-1080)*		
22 11 16 00-1329	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Round MIP NPT Transition Piece	35.40	7.34
22 11 16 00-1330	EA	1/2" x 3/4" Polypropylene, Heat Fusion, Round MIP NPT Transition Piece	38.36	7.34
22 11 16 00-1331	EA	3/4" x 1/2" Polypropylene, Heat Fusion, Round MIP NPT Transition Piece	36.17	7.72
22 11 16 00-1332	EA	3/4" x 3/4" Polypropylene, Heat Fusion, Round MIP NPT Transition Piece	39.13	7.72
22 11 16 00-1333	EA	1" x 3/4" Polypropylene, Heat Fusion, Round MIP NPT Transition Piece	46.38	9.20
22 11 16 00-1334		**Polypropylene Random (PP-R), Heat Fusion, Hex MIP NPT Transition Piece** *(22 11 16 00-1080)*		
22 11 16 00-1335	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	29.87	7.34
22 11 16 00-1336	EA	1/2" x 3/4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	32.04	7.34
22 11 16 00-1337	EA	3/4" x 3/4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	32.81	7.72
22 11 16 00-1338	EA	1" x 1" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	47.51	9.20
22 11 16 00-1339	EA	1" x 1-1/4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	67.40	9.20
22 11 16 00-1340	EA	1-1/4" x 1" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	50.00	9.91
22 11 16 00-1341	EA	1-1/4" x 1-1/4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	71.95	9.91
22 11 16 00-1342	EA	1-1/2" x 1-1/4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	75.87	11.01
22 11 16 00-1343	EA	1-1/2" x 1-1/2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	88.36	11.01
22 11 16 00-1344	EA	2" x 1-1/2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	101.05	11.23
22 11 16 00-1345	EA	2" x 2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	114.37	11.23
22 11 16 00-1346	EA	2-1/2" x 2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	124.92	15.39
22 11 16 00-1347	EA	2-1/2" x 2-1/2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	171.69	15.39
22 11 16 00-1348	EA	3" x 3" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	255.24	17.75
22 11 16 00-1349	EA	3-1/2" x 4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	490.15	19.83
22 11 16 00-1350		**Polypropylene Random (PP-R), Heat Fusion, Transition FIP NPT Elbow** *(22 11 16 00-1080)*		
22 11 16 00-1351	EA	1/2" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Elbow	30.05	7.34
22 11 16 00-1352	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Transition FIP NPT Elbow	24.96	7.34
22 11 16 00-1353	EA	3/4" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Elbow	30.82	7.72
22 11 16 00-1354	EA	3/4" x 1/2" Polypropylene, Heat Fusion, Transition FIP NPT Elbow	25.73	7.72
22 11 16 00-1355	EA	1" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Elbow	35.43	9.20
22 11 16 00-1356	EA	1" x 1" Polypropylene, Heat Fusion, Transition FIP NPT Elbow	55.24	9.20
22 11 16 00-1357		**Polypropylene Random (PP-R), Heat Fusion, Transition Male/Female x FIP NPT Street Elbow** *(22 11 16 00-1080)*		
22 11 16 00-1358	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Transition Male/Female x FIP NPT Street Elbow	24.96	7.34
22 11 16 00-1359		**Polypropylene Random (PP-R), Heat Fusion, Transition MIP NPT Elbow** *(22 11 16 00-1080)*		
22 11 16 00-1360	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Transition MIP NPT Elbow	27.50	7.34
22 11 16 00-1361	EA	1/2" x 3/4" Polypropylene, Heat Fusion, Transition MIP NPT Elbow	29.15	7.34
22 11 16 00-1362	EA	3/4" x 3/4" Polypropylene, Heat Fusion, Transition MIP NPT Elbow	29.92	7.72
22 11 16 00-1363	EA	1" x 3/4" Polypropylene, Heat Fusion, Transition MIP NPT Elbow	37.32	9.20
22 11 16 00-1364	EA	1" x 1" Polypropylene, Heat Fusion, Transition MIP NPT Elbow	52.03	9.20
22 11 16 00-1365		**Polypropylene Random (PP-R), Heat Fusion, Transition FIP NPT Tee** *(22 11 16 00-1080)*		
22 11 16 00-1366	EA	1/2" x 1/2" x 1/2" Polypropylene, Heat Fusion, Transition FIP NPT Tee	34.19	11.01
22 11 16 00-1367	EA	1/2" x 1/2" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Tee	38.21	11.01
22 11 16 00-1368	EA	3/4" x 3/4" x 1/2" Polypropylene, Heat Fusion, Transition FIP NPT Tee	35.29	11.56
22 11 16 00-1369	EA	3/4" x 3/4" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Tee	39.31	11.56
22 11 16 00-1370	EA	1" x 1" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Tee	46.41	13.75

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1371	EA	1" x 1" x 1" Polypropylene, Heat Fusion, Transition FIP NPT Tee	64.49	13.75
22 11 16 00-1372	EA	1-1/2" x 1-1/2" x 1" Polypropylene, Heat Fusion, Transition FIP NPT Tee	74.74	16.55
22 11 16 00-1373		**Polypropylene Random (PP-R), Heat Fusion, Transition MIP NPT Tee** *(22 11 16 00-1080)*		
22 11 16 00-1374	EA	1/2" x 1/2" x 1/2" Polypropylene, Heat Fusion, Transition MIP NPT Tee	36.90	11.01
22 11 16 00-1375		**Polypropylene Random (PP-R), Heat Fusion, Transition PP-R x Brass Compression Fitting** *(22 11 16 00-1080)*		
22 11 16 00-1376	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Transition PP-R x Brass Compression Fitting	26.83	3.67
22 11 16 00-1377		**Polypropylene Random (PP-R), Heat Fusion, Fusion Outlet x FIP NPT** *(22 11 16 00-1080)*		
22 11 16 00-1378	EA	1/2" Polypropylene, Heat Fusion, Fusion Outlet x FIP NPT	23.24	
22 11 16 00-1379	EA	3/4" Polypropylene, Heat Fusion, Fusion Outlet x FIP NPT	29.99	
22 11 16 00-1380	EA	1" Polypropylene, Heat Fusion, Fusion Outlet x FIP NPT	41.44	
22 11 16 00-1381		**Polypropylene Random (PP-R), Heat Fusion, Fusion Outlet x MIP NPT** *(22 11 16 00-1080)*		
22 11 16 00-1382	EA	1/2" Polypropylene, Heat Fusion, Fusion Outlet x MIP NPT	27.18	
22 11 16 00-1383	EA	3/4" Polypropylene, Heat Fusion, Fusion Outlet x MIP NPT	37.29	
22 11 16 00-1384		**Polypropylene Random (PP-R), Heat Fusion, PEX Adaptor** *(22 11 16 00-1080)*		
22 11 16 00-1385	EA	1/2" Polypropylene, Heat Fusion, PEX Adaptor	18.76	3.67
22 11 16 00-1386	EA	3/4" Polypropylene, Heat Fusion, PEX Adaptor	28.50	3.84
22 11 16 00-1387	EA	1" Polypropylene, Heat Fusion, PEX Adaptor	37.42	4.60
22 11 16 00-1388		**Polypropylene Random (PP-R), Heat Fusion, FIP Stop Valve Body** *(22 11 16 00-1080)*		
22 11 16 00-1389	EA	1/2" Polypropylene, Heat Fusion, FIP Stop Valve Body	24.93	8.06
22 11 16 00-1390	EA	3/4" Polypropylene, Heat Fusion, FIP Stop Valve Body	25.81	8.49
22 11 16 00-1391	EA	1" Polypropylene, Heat Fusion, FIP Stop Valve Body	37.00	10.07
22 11 16 00-1392	EA	1-1/4" Polypropylene, Heat Fusion, FIP Stop Valve Body	57.85	10.90
22 11 16 00-1393		**Polypropylene Random (PP-R), Heat Fusion, Inclined Check Valve** *(22 11 16 00-1080)*		
22 11 16 00-1394	EA	1/2" Polypropylene, Heat Fusion, Inclined Check Valve	75.82	8.06
22 11 16 00-1395	EA	3/4" Polypropylene, Heat Fusion, Inclined Check Valve	76.70	8.49
22 11 16 00-1396	EA	1" Polypropylene, Heat Fusion, Inclined Check Valve	91.66	10.07
22 11 16 00-1397	EA	1-1/4" Polypropylene, Heat Fusion, Inclined Check Valve	151.69	10.90
22 11 16 00-1398		**Polypropylene Random (PP-R), Heat Fusion, Ball Valve** *(22 11 16 00-1080)*		
22 11 16 00-1399	EA	1/2" Polypropylene, Heat Fusion, Ball Valve	69.97	8.06
22 11 16 00-1400	EA	3/4" Polypropylene, Heat Fusion, Ball Valve	77.63	8.49
22 11 16 00-1401	EA	1" Polypropylene, Heat Fusion, Ball Valve	94.20	10.07
22 11 16 00-1402	EA	1-1/4" Polypropylene, Heat Fusion, Ball Valve	133.77	10.90
22 11 16 00-1403	EA	1-1/2" Polypropylene, Heat Fusion, Ball Valve	195.34	12.10
22 11 16 00-1404	EA	2" Polypropylene, Heat Fusion, Ball Valve	298.47	12.38
22 11 16 00-1405		**Extension For Ball Valve** *(22 11 16 00-1080)*		
22 11 16 00-1406	EA	Extension For 1/2" to 3/4" Ball Valve, 1-3/8" Length	36.23	
22 11 16 00-1407	EA	Extension For 1" to 1-1/4" Ball Valve, 1-3/8" Length	36.29	
22 11 16 00-1408	EA	Extension For 1-1/2" to 2" Ball Valve, 1-3/4" Length	39.76	
22 11 16 00-1409		**Polypropylene Random (PP-R), Heat Fusion, Draining Branch** *(22 11 16 00-1080)*		
22 11 16 00-1410	EA	1/2" Polypropylene, Heat Fusion, Draining Branch	33.12	7.34
22 11 16 00-1411	EA	3/4" Polypropylene, Heat Fusion, Draining Branch	33.89	7.72
22 11 16 00-1412	EA	1" Polypropylene, Heat Fusion, Draining Branch	38.80	9.20
22 11 16 00-1413	EA	1-1/4" Polypropylene, Heat Fusion, Draining Branch	40.22	9.91
22 11 16 00-1414	EA	1-1/2" Polypropylene, Heat Fusion, Draining Branch	44.11	11.01
22 11 16 00-1415	EA	2" Polypropylene, Heat Fusion, Draining Branch	47.51	11.23
22 11 16 00-1416		**Red Brass Pipe And Fittings** *(22 11 16)* Note: ASTM B43 And B251 (Pipe), ASME B16.15.		
22 11 16 00-1417		**Schedule 40 Red Brass Pipe** *(22 11 16 00-1416)*		
22 11 16 00-1418	LF	1/2" Schedule 40 Red Brass Pipe	30.21	2.27
22 11 16 00-1419	LF	3/4" Schedule 40 Red Brass Pipe	40.07	2.27
22 11 16 00-1420	LF	1" Schedule 40 Red Brass Pipe	54.73	2.27
22 11 16 00-1421	LF	1-1/4" Schedule 40 Red Brass Pipe	80.31	2.48
22 11 16 00-1422	LF	1-1/2" Schedule 40 Red Brass Pipe	92.50	2.70
22 11 16 00-1423	LF	2" Schedule 40 Red Brass Pipe	118.55	3.23

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1424	LF	2-1/2" Schedule 40 Red Brass Pipe	172.47	3.67
22 11 16 00-1425	LF	3" Schedule 40 Red Brass Pipe	243.75	3.88
22 11 16 00-1426	LF	4" Schedule 40 Red Brass Pipe	349.46	3.88
22 11 16 00-1427		**125 LB Cast Bronze, Screwed, 90 Degree Elbows** *(22 11 16 00-1416)*		
22 11 16 00-1428	EA	1/2" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	63.09	26.84
22 11 16 00-1429	EA	3/4" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	71.60	29.53
22 11 16 00-1430	EA	1" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	90.22	34.92
22 11 16 00-1431	EA	1-1/4" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	108.19	37.51
22 11 16 00-1432	EA	1-1/2" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	121.42	40.20
22 11 16 00-1433	EA	2" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	151.94	42.90
22 11 16 00-1434	EA	2-1/2" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	260.02	53.68
22 11 16 00-1435	EA	3" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	361.97	64.36
22 11 16 00-1436	EA	4" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	643.84	85.80
22 11 16 00-1437		**125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbows** *(22 11 16 00-1416)*		
22 11 16 00-1438	EA	1/2" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	66.24	26.84
22 11 16 00-1439	EA	3/4" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	76.18	29.53
22 11 16 00-1440	EA	1" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	99.80	34.92
22 11 16 00-1441	EA	1-1/4" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	120.76	37.51
22 11 16 00-1442	EA	1-1/2" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	138.72	40.20
22 11 16 00-1443	EA	2" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	189.71	42.90
22 11 16 00-1444	EA	2-1/2" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	291.49	53.68
22 11 16 00-1445	EA	3" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	458.70	64.36
22 11 16 00-1446	EA	4" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	917.56	85.80
22 11 16 00-1447		**125 LB Cast Bronze, Screwed, 45 Degree Elbows** *(22 11 16 00-1416)*		
22 11 16 00-1448	EA	1/2" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	64.69	26.84
22 11 16 00-1449	EA	3/4" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	74.73	29.53
22 11 16 00-1450	EA	1" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	96.52	34.92
22 11 16 00-1451	EA	1-1/4" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	117.63	37.51
22 11 16 00-1452	EA	1-1/2" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	133.99	40.20
22 11 16 00-1453	EA	2" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	172.39	42.90
22 11 16 00-1454	EA	2-1/2" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	272.56	53.68
22 11 16 00-1455	EA	3" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	383.45	64.36
22 11 16 00-1456	EA	4" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	853.96	85.80
22 11 16 00-1457		**125 Lb. Cast Bronze, Screwed, Tees** *(22 11 16 00-1416)*		
22 11 16 00-1458	EA	1/2", 125 Lb., Cast Bronze, Screwed, Tee	91.51	40.20
22 11 16 00-1459	EA	3/4", 125 Lb., Cast Bronze, Screwed, Tee	103.70	43.98
22 11 16 00-1460	EA	1", 125 Lb., Cast Bronze, Screwed, Tee	132.43	52.07
22 11 16 00-1461	EA	1-1/4", 125 Lb., Cast Bronze, Screwed, Tee	161.47	56.38
22 11 16 00-1462	EA	1-1/2", 125 Lb., Cast Bronze, Screwed, Tee	175.27	60.03
22 11 16 00-1463	EA	2", 125 Lb., Cast Bronze, Screwed, Tee	220.04	64.36
22 11 16 00-1464	EA	2-1/2", 125 Lb., Cast Bronze, Screwed, Tee	368.71	80.52
22 11 16 00-1465	EA	3", 125 Lb., Cast Bronze, Screwed, Tee	510.75	96.58
22 11 16 00-1466	EA	4", 125 Lb., Cast Bronze, Screwed, Tee	1,044.46	128.70
22 11 16 00-1467		**125 Lb. Cast Bronze, Screwed, Reducing Tees** *(22 11 16 00-1416)*		
22 11 16 00-1468	EA	1/2", 125 Lb., Cast Bronze, Screwed, Reducing Tee	96.22	40.20
22 11 16 00-1469	EA	3/4", 125 Lb., Cast Bronze, Screwed, Reducing Tee	106.88	43.98
22 11 16 00-1470	EA	1", 125 Lb., Cast Bronze, Screwed, Reducing Tee	145.02	52.07
22 11 16 00-1471	EA	1-1/4", 125 Lb., Cast Bronze, Screwed, Reducing Tee	170.91	56.38
22 11 16 00-1472	EA	1-1/2", 125 Lb., Cast Bronze, Screwed, Reducing Tee	200.45	60.03
22 11 16 00-1473	EA	2", 125 Lb., Cast Bronze, Screwed, Reducing Tee	259.39	64.36
22 11 16 00-1474	EA	2-1/2", 125 Lb., Cast Bronze, Screwed, Reducing Tee	445.23	80.52
22 11 16 00-1475	EA	3", 125 Lb., Cast Bronze, Screwed, Reducing Tee	843.30	96.58
22 11 16 00-1476	EA	4", 125 Lb., Cast Bronze, Screwed, Reducing Tee	1,306.77	128.70
22 11 16 00-1477		**125 Lb. Cast Bronze, Screwed, Crosses** *(22 11 16 00-1416)*		
22 11 16 00-1478	EA	1/2", 125 Lb., Cast Bronze, Screwed, Cross	129.35	53.68
22 11 16 00-1479	EA	3/4", 125 Lb., Cast Bronze, Screwed, Cross	149.51	58.96
22 11 16 00-1480	EA	1", 125 Lb., Cast Bronze, Screwed, Cross	188.29	69.74
22 11 16 00-1481	EA	1-1/4", 125 Lb., Cast Bronze, Screwed, Cross	232.79	75.13
22 11 16 00-1482	EA	1-1/2", 125 Lb., Cast Bronze, Screwed, Cross	274.69	80.52
22 11 16 00-1483	EA	2", 125 Lb., Cast Bronze, Screwed, Cross	399.10	85.80
22 11 16 00-1484	EA	2-1/2", 125 Lb., Cast Bronze, Screwed, Cross	644.86	107.26
22 11 16 00-1485	EA	3", 125 Lb., Cast Bronze, Screwed, Cross	888.66	128.70
22 11 16 00-1486	EA	4", 125 Lb., Cast Bronze, Screwed, Cross	1,634.18	171.71
22 11 16 00-1487		**125 Lb. Cast Bronze, Screwed, Caps** *(22 11 16 00-1416)*		
22 11 16 00-1488	EA	1/2" 125 Lb. Cast Bronze, Screwed, Cap	30.42	15.96
22 11 16 00-1489	EA	3/4" 125 Lb. Cast Bronze, Screwed, Cap	34.45	17.57

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1490	EA	1" 125 Lb. Cast Bronze, Screwed, Cap	45.67	20.70
22 11 16 00-1491	EA	1-1/4" 125 Lb. Cast Bronze, Screwed, Cap	58.97	22.31
22 11 16 00-1492	EA	1-1/2" 125 Lb. Cast Bronze, Screwed, Cap	69.29	23.93
22 11 16 00-1493	EA	2" 125 Lb. Cast Bronze, Screwed, Cap	95.29	25.54
22 11 16 00-1494	EA	2-1/2" 125 Lb. Cast Bronze, Screwed, Cap	152.14	31.91
22 11 16 00-1495	EA	3" 125 Lb. Cast Bronze, Screwed, Cap	218.52	38.27
22 11 16 00-1496	EA	4" 125 Lb. Cast Bronze, Screwed, Cap	383.47	50.99
22 11 16 00-1497		**125 Lb. Cast Bronze, Screwed, Couplings** *(22 11 16 00-1416)*		
22 11 16 00-1498	EA	1/2" 125 Lb. Cast Bronze, Screwed, Coupling	61.54	26.84
22 11 16 00-1499	EA	3/4" 125 Lb. Cast Bronze, Screwed, Coupling	70.05	29.53
22 11 16 00-1500	EA	1" 125 Lb. Cast Bronze, Screwed, Coupling	88.64	34.92
22 11 16 00-1501	EA	1-1/4" 125 Lb. Cast Bronze, Screwed, Coupling	106.59	37.51
22 11 16 00-1502	EA	1-1/2" 125 Lb. Cast Bronze, Screwed, Coupling	121.42	40.20
22 11 16 00-1503	EA	2" 125 Lb. Cast Bronze, Screwed, Coupling	153.52	42.90
22 11 16 00-1504	EA	2-1/2" 125 Lb. Cast Bronze, Screwed, Coupling	217.49	53.68
22 11 16 00-1505	EA	3" 125 Lb. Cast Bronze, Screwed, Coupling	281.47	64.36
22 11 16 00-1506	EA	4" 125 Lb. Cast Bronze, Screwed, Coupling	486.44	85.80
22 11 16 00-1507		**125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducers** *(22 11 16 00-1416)*		
22 11 16 00-1508	EA	1/2" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	54.46	21.46
22 11 16 00-1509	EA	3/4" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	62.22	24.14
22 11 16 00-1510	EA	1" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	84.48	32.23
22 11 16 00-1511	EA	1-1/4" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	101.13	34.92
22 11 16 00-1512	EA	1-1/2" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	114.65	37.51
22 11 16 00-1513	EA	2" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	138.97	40.20
22 11 16 00-1514	EA	2-1/2" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	202.98	50.99
22 11 16 00-1515	EA	3" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	246.41	58.96
22 11 16 00-1516	EA	4" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	430.12	77.82
22 11 16 00-1517		**125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducers** *(22 11 16 00-1416)*		
22 11 16 00-1518	EA	3/4" 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	55.76	21.46
22 11 16 00-1519	EA	1" 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	101.29	29.53
22 11 16 00-1520	EA	1-1/4" 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	133.29	32.23
22 11 16 00-1521	EA	1-1/2" 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	156.23	34.92
22 11 16 00-1522	EA	2" 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	208.78	40.20
22 11 16 00-1523	EA	2-1/2" 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	322.01	50.99
22 11 16 00-1524	EA	3" 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	389.56	53.68
22 11 16 00-1525	EA	4" 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	441.72	69.74
22 11 16 00-1526		**125 Lb. Cast Bronze, FIP Threaded, Unions** *(22 11 16 00-1416)*		
22 11 16 00-1527	EA	1/2" 125 Lb. Cast Bronze, FIP Threaded, Union	68.10	21.46
		For 150 Lb., Add	*10.07*	
		For 250 Lb., Add	*21.40*	
		For 300 Lb., Add	*30.22*	
22 11 16 00-1528	EA	3/4" 125 Lb. Cast Bronze, FIP Threaded, Union	81.83	23.61
		For 150 Lb., Add	*13.85*	
		For 250 Lb., Add	*29.43*	
		For 300 Lb., Add	*41.54*	
22 11 16 00-1529	EA	1" 125 Lb. Cast Bronze, FIP Threaded, Union	101.45	27.92
		For 150 Lb., Add	*18.26*	
		For 250 Lb., Add	*38.81*	
		For 300 Lb., Add	*54.79*	
22 11 16 00-1530	EA	1-1/4" 125 Lb. Cast Bronze, FIP Threaded, Union	126.17	30.08
		For 150 Lb., Add	*26.43*	
		For 250 Lb., Add	*56.17*	
		For 300 Lb., Add	*79.30*	
22 11 16 00-1531	EA	1-1/2" 125 Lb. Cast Bronze, FIP Threaded, Union	143.11	32.23
		For 150 Lb., Add	*31.49*	
		For 250 Lb., Add	*66.92*	
		For 300 Lb., Add	*94.48*	
22 11 16 00-1532	EA	2" 125 Lb. Cast Bronze, FIP Threaded, Union	169.13	36.43
		For 150 Lb., Add	*38.47*	
		For 250 Lb., Add	*81.74*	
		For 300 Lb., Add	*115.40*	
22 11 16 00-1533	EA	2-1/2" 125 Lb. Cast Bronze, FIP Threaded, Union	292.69	53.90
		For 150 Lb., Add	*73.96*	
		For 250 Lb., Add	*157.17*	
		For 300 Lb., Add	*221.88*	
22 11 16 00-1534	EA	3" 125 Lb. Cast Bronze, FIP Threaded, Union	427.42	70.87
		For 150 Lb., Add	*114.27*	
		For 250 Lb., Add	*242.82*	
		For 300 Lb., Add	*342.80*	
22 11 16 00-1535	EA	4" 125 Lb. Cast Bronze, FIP Threaded, Union	787.18	78.47
		For 150 Lb., Add	*252.05*	
		For 250 Lb., Add	*535.61*	
		For 300 Lb., Add	*756.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1536		**125 Lb. Cast Bronze, Screwed, Companion Flanges** *(22 11 16 00-1416)* Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.		
22 11 16 00-1537	EA	1/2" 125 Lb. Cast Bronze, Screwed, Companion Flange	193.18	26.84
22 11 16 00-1538	EA	3/4" 125 Lb. Cast Bronze, Screwed, Companion Flange	210.34	32.23
22 11 16 00-1539	EA	1" 125 Lb. Cast Bronze, Screwed, Companion Flange	241.06	37.51
22 11 16 00-1540	EA	1-1/4" 125 Lb. Cast Bronze, Screwed, Companion Flange	275.07	40.20
22 11 16 00-1541	EA	1-1/2" 125 Lb. Cast Bronze, Screwed, Companion Flange	326.19	42.90
22 11 16 00-1542	EA	2" 125 Lb. Cast Bronze, Screwed, Companion Flange	411.73	45.60
22 11 16 00-1543	EA	2-1/2" 125 Lb. Cast Bronze, Screwed, Companion Flange	519.38	53.68
22 11 16 00-1544	EA	3" 125 Lb. Cast Bronze, Screwed, Companion Flange	643.49	67.05
22 11 16 00-1545	EA	4" 125 Lb. Cast Bronze, Screwed, Companion Flange	917.47	93.89
22 11 16 00-1546		**125 Lb. Cast Bronze, Screwed, Square Head Plugs** *(22 11 16 00-1416)*		
22 11 16 00-1547	EA	1/2" 125 Lb. Cast Bronze, Screwed, Square Head Plug	18.73	
22 11 16 00-1548	EA	3/4" 125 Lb. Cast Bronze, Screwed, Square Head Plug	19.35	
22 11 16 00-1549	EA	1" 125 Lb. Cast Bronze, Screwed, Square Head Plug	29.83	
22 11 16 00-1550	EA	1-1/4" 125 Lb. Cast Bronze, Screwed, Square Head Plug	34.56	
22 11 16 00-1551	EA	1-1/2" 125 Lb. Cast Bronze, Screwed, Square Head Plug	39.44	
22 11 16 00-1552	EA	2" 125 Lb. Cast Bronze, Screwed, Square Head Plug	59.38	
22 11 16 00-1553	EA	2-1/2" 125 Lb. Cast Bronze, Screwed, Square Head Plug	90.15	
22 11 16 00-1554	EA	3" 125 Lb. Cast Bronze, Screwed, Square Head Plug	132.34	
22 11 16 00-1555	EA	4" 125 Lb. Cast Bronze, Screwed, Square Head Plug	224.79	
22 11 16 00-1556		**125 Lb. Cast Bronze, Screwed, Counter Sunk Plugs** *(22 11 16 00-1416)*		
22 11 16 00-1557	EA	1/2" 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug	7.89	
22 11 16 00-1558	EA	3/4" 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug	9.44	
22 11 16 00-1559	EA	1" 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug	14.19	
22 11 16 00-1560	EA	1-1/4" 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug	22.05	
22 11 16 00-1561	EA	1-1/2" 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug	34.92	
22 11 16 00-1562	EA	2" 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug	54.12	
22 11 16 00-1563	EA	2-1/2" 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug	105.33	
22 11 16 00-1564	EA	3" 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug	170.59	
22 11 16 00-1565	EA	4" 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug	416.06	
22 11 16 00-1566		**125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushings** *(22 11 16 00-1416)*		
22 11 16 00-1567	EA	1/2" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	6.28	
22 11 16 00-1568	EA	3/4" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	7.89	
22 11 16 00-1569	EA	1" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	11.04	
22 11 16 00-1570	EA	1-1/4" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	18.90	
22 11 16 00-1571	EA	1-1/2" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	26.78	
22 11 16 00-1572	EA	2" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	33.09	
22 11 16 00-1573	EA	2-1/2" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	83.43	
22 11 16 00-1574	EA	3" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	122.81	
22 11 16 00-1575	EA	4" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	268.99	
22 11 16 00-1576		**125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushings** *(22 11 16 00-1416)*		
22 11 16 00-1577	EA	1/2" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	11.04	
22 11 16 00-1578	EA	3/4" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	15.72	
22 11 16 00-1579	EA	1" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	27.41	
22 11 16 00-1580	EA	1-1/4" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	37.22	
22 11 16 00-1581	EA	1-1/2" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	46.53	
22 11 16 00-1582	EA	2" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	58.63	
22 11 16 00-1583	EA	2-1/2" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	119.70	
22 11 16 00-1584	EA	3" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	189.39	
22 11 16 00-1585	EA	4" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	397.98	
22 11 16 00-1586		**1/2" Red Brass Pipe Nipples** *(22 11 16 00-1416)* Note: Threaded both ends.		
22 11 16 00-1587	EA	1/2" x Close, Red Brass Pipe Nipple	10.57	
22 11 16 00-1588	EA	1/2" x 1-1/2" Long, Red Brass Pipe Nipple	12.37	
22 11 16 00-1589	EA	1/2" x 2" Long, Red Brass Pipe Nipple	15.15	
22 11 16 00-1590	EA	1/2" x 2-1/2" Long, Red Brass Pipe Nipple	18.00	
22 11 16 00-1591	EA	1/2" x 3" Long, Red Brass Pipe Nipple	20.85	
22 11 16 00-1592	EA	1/2" x 3-1/2" Long, Red Brass Pipe Nipple	24.61	
22 11 16 00-1593	EA	1/2" x 4" Long, Red Brass Pipe Nipple	27.60	
22 11 16 00-1594	EA	1/2" x 4-1/2" Long, Red Brass Pipe Nipple	30.31	
22 11 16 00-1595	EA	1/2" x 5" Long, Red Brass Pipe Nipple	33.16	
22 11 16 00-1596	EA	1/2" x 5-1/2" Long, Red Brass Pipe Nipple	36.29	
22 11 16 00-1597	EA	1/2" x 6" Long, Red Brass Pipe Nipple	39.07	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1598		3/4" Red Brass Pipe Nipples *(22 11 16 00-1416)*		
		Note: Threaded both ends.		
22 11 16 00-1599	EA	3/4" x Close, Red Brass Pipe Nipple	15.43	
22 11 16 00-1600	EA	3/4" x 1-1/2" Long, Red Brass Pipe Nipple	16.27	
22 11 16 00-1601	EA	3/4" x 2" Long, Red Brass Pipe Nipple	19.67	
22 11 16 00-1602	EA	3/4" x 2-1/2" Long, Red Brass Pipe Nipple	23.15	
22 11 16 00-1603	EA	3/4" x 3" Long, Red Brass Pipe Nipple	26.28	
22 11 16 00-1604	EA	3/4" x 3-1/2" Long, Red Brass Pipe Nipple	30.17	
22 11 16 00-1605	EA	3/4" x 4" Long, Red Brass Pipe Nipple	33.92	
22 11 16 00-1606	EA	3/4" x 4-1/2" Long, Red Brass Pipe Nipple	38.09	
22 11 16 00-1607	EA	3/4" x 5" Long, Red Brass Pipe Nipple	41.57	
22 11 16 00-1608	EA	3/4" x 5-1/2" Long, Red Brass Pipe Nipple	47.89	
22 11 16 00-1609	EA	3/4" x 6" Long, Red Brass Pipe Nipple	50.33	
22 11 16 00-1610		1" Red Brass Pipe Nipples *(22 11 16 00-1416)*		
		Note: Threaded both ends.		
22 11 16 00-1611	EA	1" x Close, Red Brass Pipe Nipple	23.49	
22 11 16 00-1612	EA	1" x 1-1/2" Long, Red Brass Pipe Nipple	25.85	
22 11 16 00-1613	EA	1" x 2" Long, Red Brass Pipe Nipple	28.22	
22 11 16 00-1614	EA	1" x 2-1/2" Long, Red Brass Pipe Nipple	33.57	
22 11 16 00-1615	EA	1" x 3" Long, Red Brass Pipe Nipple	37.95	
22 11 16 00-1616	EA	1" x 3-1/2" Long, Red Brass Pipe Nipple	44.70	
22 11 16 00-1617	EA	1" x 4" Long, Red Brass Pipe Nipple	50.05	
22 11 16 00-1618	EA	1" x 4-1/2" Long, Red Brass Pipe Nipple	55.33	
22 11 16 00-1619	EA	1" x 5" Long, Red Brass Pipe Nipple	60.75	
22 11 16 00-1620	EA	1" x 5-1/2" Long, Red Brass Pipe Nipple	66.45	
22 11 16 00-1621	EA	1" x 6" Long, Red Brass Pipe Nipple	71.74	
22 11 16 00-1622		1-1/4" Red Brass Pipe Nipples *(22 11 16 00-1416)*		
		Note: Threaded both ends.		
22 11 16 00-1623	EA	1-1/4" x Close, Red Brass Pipe Nipple	34.76	
22 11 16 00-1624	EA	1-1/4" x 1-1/2" Long, Red Brass Pipe Nipple	37.04	
22 11 16 00-1625	EA	1-1/4" x 2" Long, Red Brass Pipe Nipple	39.83	
22 11 16 00-1626	EA	1-1/4" x 2-1/2" Long, Red Brass Pipe Nipple	47.96	
22 11 16 00-1627	EA	1-1/4" x 3" Long, Red Brass Pipe Nipple	56.03	
22 11 16 00-1628	EA	1-1/4" x 3-1/2" Long, Red Brass Pipe Nipple	65.76	
22 11 16 00-1629	EA	1-1/4" x 4" Long, Red Brass Pipe Nipple	73.82	
22 11 16 00-1630	EA	1-1/4" x 4-1/2" Long, Red Brass Pipe Nipple	81.88	
22 11 16 00-1631	EA	1-1/4" x 5" Long, Red Brass Pipe Nipple	90.02	
22 11 16 00-1632	EA	1-1/4" x 5-1/2" Long, Red Brass Pipe Nipple	98.50	
22 11 16 00-1633	EA	1-1/4" x 6" Long, Red Brass Pipe Nipple	106.56	
22 11 16 00-1634		1-1/2" Red Brass Pipe Nipples *(22 11 16 00-1416)*		
		Note: Threaded both ends.		
22 11 16 00-1635	EA	1-1/2" x Close, Red Brass Pipe Nipple	43.24	
22 11 16 00-1636	EA	1-1/2" x 1-1/2" Long, Red Brass Pipe Nipple	45.12	
22 11 16 00-1637	EA	1-1/2" x 2" Long, Red Brass Pipe Nipple	46.99	
22 11 16 00-1638	EA	1-1/2" x 2-1/2" Long, Red Brass Pipe Nipple	57.14	
22 11 16 00-1639	EA	1-1/2" x 3" Long, Red Brass Pipe Nipple	64.79	
22 11 16 00-1640	EA	1-1/2" x 3-1/2" Long, Red Brass Pipe Nipple	76.18	
22 11 16 00-1641	EA	1-1/2" x 4" Long, Red Brass Pipe Nipple	85.78	
22 11 16 00-1642	EA	1-1/2" x 4-1/2" Long, Red Brass Pipe Nipple	95.72	
22 11 16 00-1643	EA	1-1/2" x 5" Long, Red Brass Pipe Nipple	105.31	
22 11 16 00-1644	EA	1-1/2" x 5-1/2" Long, Red Brass Pipe Nipple	114.69	
22 11 16 00-1645	EA	1-1/2" x 6" Long, Red Brass Pipe Nipple	124.08	
22 11 16 00-1646		2" Red Brass Pipe Nipples *(22 11 16 00-1416)*		
		Note: Threaded both ends.		
22 11 16 00-1647	EA	2" x Close, Red Brass Pipe Nipple	66.45	
22 11 16 00-1648	EA	2" x 1-1/2" Long, Red Brass Pipe Nipple	68.78	
22 11 16 00-1649	EA	2" x 2" Long, Red Brass Pipe Nipple	71.08	
22 11 16 00-1650	EA	2" x 2-1/2" Long, Red Brass Pipe Nipple	73.40	
22 11 16 00-1651	EA	2" x 3" Long, Red Brass Pipe Nipple	83.14	
22 11 16 00-1652	EA	2" x 3-1/2" Long, Red Brass Pipe Nipple	98.01	
22 11 16 00-1653	EA	2" x 4" Long, Red Brass Pipe Nipple	110.11	
22 11 16 00-1654	EA	2" x 4-1/2" Long, Red Brass Pipe Nipple	122.20	
22 11 16 00-1655	EA	2" x 5" Long, Red Brass Pipe Nipple	133.11	
22 11 16 00-1656	EA	2" x 5-1/2" Long, Red Brass Pipe Nipple	146.81	
22 11 16 00-1657	EA	2" x 6" Long, Red Brass Pipe Nipple	158.83	
22 11 16 00-1658		Cross-Linked Polyethylene Tubing, ASTM F877 *(22 11 16)*		
		Note: Aboveground, domestic water usage.		
22 11 16 00-1659		Cross-Linked Polyethylene Tubing *(22 11 16 00-1658)*		
22 11 16 00-1660	LF	3/8" Cross-Linked Polyethylene (PEX , XPE or XLPE) Tubing	5.15	
		For Work In Restricted Working Space, Add	*1.01*	

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LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1661	LF	1/2" Cross-Linked Polyethylene (PEX , XPE or XLPE) Tubing	5.63	
		For Work In Restricted Working Space, Add	*1.10*	
22 11 16 00-1662	LF	3/4" Cross-Linked Polyethylene (PEX , XPE or XLPE) Tubing	7.56	
		For Work In Restricted Working Space, Add	*1.19*	
22 11 16 00-1663	LF	1" Cross-Linked Polyethylene (PEX , XPE or XLPE) Tubing	10.37	
		For Work In Restricted Working Space, Add	*1.25*	

22 11 16 00-1664 Cross-Linked Polyethylene Forged Brass PEX Fittings *(22 11 16 00-1658)*

Note: Aboveground, domestic water usage.

22 11 16 00-1665 Male Adapters *(22 11 16 00-1664)*

22 11 16 00-1666	EA	3/8" x 1/2", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing	22.02	
		For Work In Restricted Working Space, Add	*5.27*	
22 11 16 00-1667	EA	1/2" x 1/2", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing	23.71	
		For Work In Restricted Working Space, Add	*5.62*	
22 11 16 00-1668	EA	1/2" x 3/4", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing	25.91	
		For Work In Restricted Working Space, Add	*5.97*	
22 11 16 00-1669	EA	3/4" x 3/4", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing	27.09	
		For Work In Restricted Working Space, Add	*6.32*	
22 11 16 00-1670	EA	3/4" x 1/2", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing	25.91	
		For Work In Restricted Working Space, Add	*5.97*	
22 11 16 00-1671	EA	1" x 1", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing	34.02	
		For Work In Restricted Working Space, Add	*7.02*	

22 11 16 00-1672 Female Adapters *(22 11 16 00-1664)*

22 11 16 00-1673	EA	1/2" x 1/2", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing	24.23	
		For Work In Restricted Working Space, Add	*5.62*	
22 11 16 00-1674	EA	1/2" x 3/4", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing	27.35	
		For Work In Restricted Working Space, Add	*5.97*	
22 11 16 00-1675	EA	3/4" x 3/4", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing	28.53	
		For Work In Restricted Working Space, Add	*6.32*	
22 11 16 00-1676	EA	3/4" x 1/2", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing	27.35	
		For Work In Restricted Working Space, Add	*5.97*	
22 11 16 00-1677	EA	1" x 1", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing	34.67	
		For Work In Restricted Working Space, Add	*7.02*	

22 11 16 00-1678 Tube Adapters *(22 11 16 00-1664)*

22 11 16 00-1679	EA	3/8" x 1/2" Forged Brass Tube Adapter For PEX Tubing	19.90	
		For Work In Restricted Working Space, Add	*5.27*	
22 11 16 00-1680	EA	1/2" Forged Brass Tube Adapter For PEX Tubing	21.07	
		For Work In Restricted Working Space, Add	*5.62*	
22 11 16 00-1681	EA	3/4" Forged Brass Tube Adapter For PEX Tubing	25.40	
		For Work In Restricted Working Space, Add	*6.32*	
22 11 16 00-1682	EA	1" Forged Brass Tube Adapter For PEX Tubing	32.69	
		For Work In Restricted Working Space, Add	*7.02*	

22 11 16 00-1683 Plugs *(22 11 16 00-1664)*

22 11 16 00-1684	EA	3/8" Forged Brass Plug For PEX Tubing	10.02	
		For Work In Restricted Working Space, Add	*2.46*	
22 11 16 00-1685	EA	1/2" Forged Brass Plug For PEX Tubing	11.18	
		For Work In Restricted Working Space, Add	*2.81*	
22 11 16 00-1686	EA	3/4" Forged Brass Plug For PEX Tubing	12.87	
		For Work In Restricted Working Space, Add	*3.16*	
22 11 16 00-1687	EA	1" Forged Brass Plug For PEX Tubing	16.04	
		For Work In Restricted Working Space, Add	*3.51*	

22 11 16 00-1688 Tees *(22 11 16 00-1664)*

22 11 16 00-1689	EA	3/8" Forged Brass Tee For PEX Tubing	28.40	
		For Work In Restricted Working Space, Add	*7.38*	
22 11 16 00-1690	EA	1/2" Forged Brass Tee For PEX Tubing	31.90	
		For Work In Restricted Working Space, Add	*8.43*	
22 11 16 00-1691	EA	3/4" Forged Brass Tee For PEX Tubing	38.01	
		For Work In Restricted Working Space, Add	*9.48*	
22 11 16 00-1692	EA	1" Forged Brass Tee For PEX Tubing	48.86	
		For Work In Restricted Working Space, Add	*10.54*	
22 11 16 00-1693	EA	1/2" Forged Brass Reducing Tee For PEX Tubing	30.73	
		For Work In Restricted Working Space, Add	*8.08*	
22 11 16 00-1694	EA	3/4" Forged Brass Reducing Tee For PEX Tubing	35.68	
		For Work In Restricted Working Space, Add	*8.78*	
22 11 16 00-1695	EA	1" Forged Brass Reducing Tee For PEX Tubing	44.30	
		For Work In Restricted Working Space, Add	*9.48*	

22 11 16 00-1696 Couplings *(22 11 16 00-1664)*

22 11 16 00-1697	EA	3/8" Forged Brass Coupling For PEX Tubing	18.34	
		For Work In Restricted Working Space, Add	*4.92*	
22 11 16 00-1698	EA	1/2" Forged Brass Coupling For PEX Tubing	20.81	
		For Work In Restricted Working Space, Add	*5.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1699	EA	3/4" Forged Brass Coupling For PEX Tubing	23.80	
		For Work In Restricted Working Space, Add	*6.32*	
22 11 16 00-1700	EA	1" Forged Brass Coupling For PEX Tubing	29.17	
		For Work In Restricted Working Space, Add	*7.02*	
22 11 16 00-1701	EA	3/4" x 1/2" Forged Brass Reducing Coupling For PEX Tubing	22.62	
		For Work In Restricted Working Space, Add	*5.97*	
22 11 16 00-1702	EA	1" x 3/4" Forged Brass Reducing Coupling For PEX Tubing	28.00	
		For Work In Restricted Working Space, Add	*6.67*	

22 11 16 00-1703 Fitting Reducers *(22 11 16 00-1664)*

22 11 16 00-1704	EA	3/8" x 1/2" Forged Brass Fitting Reducer For PEX Tubing	20.29	
		For Work In Restricted Working Space, Add	*5.27*	
22 11 16 00-1705	EA	1/2" Forged Brass Fitting Reducer For PEX Tubing	21.46	
		For Work In Restricted Working Space, Add	*5.62*	
22 11 16 00-1706	EA	3/4" Forged Brass Fitting Reducer For PEX Tubing	26.18	
		For Work In Restricted Working Space, Add	*6.32*	
22 11 16 00-1707	EA	1" Forged Brass Fitting Reducer For PEX Tubing	37.15	
		For Work In Restricted Working Space, Add	*7.02*	

22 11 16 00-1708 90 Degree Elbows *(22 11 16 00-1664)*

22 11 16 00-1709	EA	3/8" Forged Brass 90 Degree Elbow For PEX Tubing	19.52	
		For Work In Restricted Working Space, Add	*4.92*	
22 11 16 00-1710	EA	1/2" Forged Brass 90 Degree Elbow For PEX Tubing	21.86	
		For Work In Restricted Working Space, Add	*5.62*	
22 11 16 00-1711	EA	3/4" Forged Brass 90 Degree Elbow For PEX Tubing	26.18	
		For Work In Restricted Working Space, Add	*6.32*	
22 11 16 00-1712	EA	3/4" x 1/2" Forged Brass 90 Degree Elbow For PEX Tubing	25.00	
		For Work In Restricted Working Space, Add	*5.97*	
22 11 16 00-1713	EA	1/2" Drop 90 Degree Elbow For PEX Tubing	29.99	
		For Work In Restricted Working Space, Add	*5.62*	
22 11 16 00-1714	EA	3/4" Forged Brass Drop 90 Degree Elbow For PEX Tubing	33.51	
		For Work In Restricted Working Space, Add	*6.32*	
22 11 16 00-1715	EA	3/4" x 1/2" Forged Brass Drop 90 Degree Elbow For PEX Tubing	32.33	
		For Work In Restricted Working Space, Add	*5.97*	

22 11 19 Domestic Water Piping Specialties *(22 11)*

22 11 19 00-0001 Rubber Hose And Clamps *(22 11 19)*

22 11 19 00-0002 General Purpose Hose *(22 11 19 00-0001)*

Note: For medium pressure (up to 200/250 psi) applications requiring excellent resistance to air, oil and heat.

22 11 19 00-0003	LF	3/8" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	7.92	2.33
22 11 19 00-0004	LF	1/2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	9.35	2.33
22 11 19 00-0005	LF	5/8" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	11.50	2.33
22 11 19 00-0006	LF	3/4" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	11.61	2.33
22 11 19 00-0007	LF	1" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	15.96	3.50
22 11 19 00-0008	LF	1-1/4" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	26.67	3.50
22 11 19 00-0009	LF	1-1/2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	28.98	4.66
22 11 19 00-0010	LF	2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	56.03	4.66

22 11 19 00-0011 Reinfored EPDM Water Hose Assembly *(22 11 19 00-0001)*

Note: Includes male/female camlock, 150 psi, synthetic fiber with steel wire helix reinforcement.

22 11 19 00-0012	LF	1-1/2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement	74.62	4.66
22 11 19 00-0013	LF	2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement	88.11	4.66
22 11 19 00-0014	LF	3" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement	123.90	5.72
22 11 19 00-0015	LF	4" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement	174.19	7.74

22 11 19 00-0016 Chemical Resistant Rubber Hoses *(22 11 19 00-0001)*

22 11 19 00-0017	EA	50' x 6" Brown Gum Rubber, Chemical Resistant Flexible Hose	1,293.21	288.06
22 11 19 00-0018	EA	50' x 6" Nitrile Rubber, Low pH Resistance, Flexible Hose	1,763.04	288.06

22 11 19 00-0019 Water Pump Hose *(22 11 19 00-0001)*

22 11 19 00-0020	EA	2" Inside Diameter, 20' Rubber Discharge Hose	628.52	71.15
22 11 19 00-0021	EA	2" Inside Diameter, 20' Rubber Intake Hose	666.13	71.15

22 11 19 00-0022 Barbed Hose x Threaded Male Pipe, Steel Coupling *(22 11 19 00-0001)*

22 11 19 00-0023	EA	3/8" Inside Diameter Barbed Hose x 1/2" Threaded Male Pipe, Steel Coupling	29.14	9.78
22 11 19 00-0024	EA	1/2" Inside Diameter Barbed Hose x 1/2" Threaded Male Pipe, Steel Coupling	30.91	10.48
22 11 19 00-0025	EA	5/8" Inside Diameter Barbed Hose x 3/4" Threaded Male Pipe, Steel Coupling	33.09	11.18
22 11 19 00-0026	EA	3/4" Inside Diameter Barbed Hose x 3/4" Threaded Male Pipe, Steel Coupling	37.89	12.57
22 11 19 00-0027	EA	1" Inside Diameter Barbed Hose x 1" Threaded Male Pipe, Steel Coupling	45.01	15.37

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0028	EA	1-1/4" Inside Diameter Barbed Hose x 1-1/4" Threaded Male Pipe, Steel Coupling	53.32	18.40
22 11 19 00-0029	EA	1-1/2" Inside Diameter Barbed Hose x 1-1/2" Threaded Male Pipe, Steel Coupling	68.69	24.21
22 11 19 00-0030	EA	2" Inside Diameter Barbed Hose x 2" Threaded Male Pipe, Steel Coupling	86.49	30.27
22 11 19 00-0031		**Worm-Drive Hose Clamp** *(22 11 19 00-0001)*		
22 11 19 00-0032	EA	3/8" To 1" Diameter Worm Drive Hose Clamp	12.66	3.50
22 11 19 00-0033	EA	1/2" To 1-1/6" Diameter Worm Drive Hose Clamp	13.36	3.50
22 11 19 00-0034	EA	5/8" To 1-1/2" Diameter Worm Drive Hose Clamp	14.12	3.50
22 11 19 00-0035	EA	3/4" To 2" Diameter Worm Drive Hose Clamp	15.02	3.50
22 11 19 00-0036	EA	1" To 2-1/2" Diameter Worm Drive Hose Clamp	16.04	3.50
22 11 19 00-0037	EA	1-1/4" To 2-3/4" Diameter Worm Drive Hose Clamp	17.41	4.66
22 11 19 00-0038	EA	1-1/2" To 3" Diameter Worm Drive Hose Clamp	18.76	4.66
22 11 19 00-0039		**Trap Primer And Accessories** *(22 11 19)*		
22 11 19 00-0040		**Trap Primer** *(22 11 19 00-0039)*		
22 11 19 00-0041	EA	1/2" Inlet/Outlet, Flow Through Automatic Trap Primer (JR Smith 2699)	338.71	17.56
22 11 19 00-0042	EA	1/2" Inlet/Outlet, Automatic Trap Primer, Up To Two Floor Drains (PPP PR-500)	207.23	11.71
22 11 19 00-0043	EA	1/2" Inlet/Outlet, Automatic Trap Primer, Up To Four Floor Drains (PPP PO-500)	200.50	11.71
22 11 19 00-0044		**Trap Primer Distribution Unit** *(22 11 19 00-0039)*		
22 11 19 00-0045	EA	Molded Plastic Four Opening Trap Primer Distribution Unit (PPP DU-U) Note: Can be used for two, three or four drains.	166.45	23.41
22 11 19 00-0046	EA	Copper Four Opening Trap Primer Distribution Unit (PPP DU-4) Note: Can be used for two, three or four drains.	184.58	23.41
22 11 19 00-0047		**Trap Primer Manifold** *(22 11 19 00-0039)*		
22 11 19 00-0048	EA	Two Outlet Trap Primer Manifold	270.89	31.48
22 11 19 00-0049	EA	Four Outlet Trap Primer Manifold	413.28	35.82
22 11 19 00-0050	EA	Six Outlet Trap Primer Manifold	552.95	37.93
22 11 19 00-0051	EA	Eight Outlet Trap Primer Manifold	696.56	44.48
22 11 19 00-0052		**Sewage Air Release Valves** *(22 11 19)*		
22 11 19 00-0053		**Cast Iron, Sewage Air Release Valves** *(22 11 19 00-0052)* Note: Stainless steel float.		
22 11 19 00-0054	EA	2" x 1/2" NPT, Cast Iron, Sewage Air Release Valve (Apco 400)	954.81	42.75
		For Back Flush Attachment, Add	*650.00*	
22 11 19 00-0055	EA	3" x 1/2" NPT, Cast Iron, Sewage Air Release Valve (Apco 400)	1,172.61	71.43
		For Back Flush Attachment, Add	*650.00*	
22 11 19 00-0056	EA	4" x 1/2" NPT, Cast Iron, Sewage Air Release Valve (Apco 400)	1,486.93	90.17
		For Back Flush Attachment, Add	*650.00*	
22 11 19 00-0057		**Cast Iron, Sewage Air Vacuum Valves** *(22 11 19 00-0052)* Note: Stainless steel float.		
22 11 19 00-0058	EA	2" x 1" NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 401)	975.51	42.75
		For Back Flush Attachment, Add	*650.00*	
22 11 19 00-0059	EA	2" x 2" NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 402)	1,912.11	42.75
		For Back Flush Attachment, Add	*650.00*	
22 11 19 00-0060	EA	3" x 2" NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 403)	2,295.49	71.43
		For Back Flush Attachment, Add	*650.00*	
22 11 19 00-0061	EA	4" NPT x 4" With Hood, Cast Iron, Sewage Air Vacuum Valve (Apco 404)	3,398.94	90.17
22 11 19 00-0062		**Cast Iron, Sewage Combination Air Valves** *(22 11 19 00-0052)* Note: Stainless steel float.		
22 11 19 00-0063	EA	2" x 1" NPT, Sewage Combination Air Valve (Apco 443)	2,082.88	42.75
22 11 19 00-0064	EA	2" x 2" NPT, Sewage Combination Air Valve (Apco 445)	2,872.00	42.75
22 11 19 00-0065	EA	3" x 3" NPT, Sewage Combination Air Valve (Apco 447)	3,361.46	71.43
22 11 19 00-0066	EA	4" x 4" NPT, Sewage Combination Air Valve (Apco 449)	4,110.45	90.17
22 11 19 00-0067		**Brass, Anti Siphon Vacuum Breakers** *(22 11 19)* Note: Watts 288A		
22 11 19 00-0068	EA	1/2" Brass, Anti Siphon Vacuum Breaker	115.93	29.27
22 11 19 00-0069	EA	3/4" Brass, Anti Siphon Vacuum Breaker	133.56	32.77
22 11 19 00-0070	EA	1" Brass, Anti Siphon Vacuum Breaker	283.49	37.45
22 11 19 00-0071	EA	1-1/4" Brass, Anti Siphon Vacuum Breaker	456.32	43.31
22 11 19 00-0072	EA	1-1/2" Brass, Anti Siphon Vacuum Breaker	545.42	47.99
22 11 19 00-0073	EA	2" Brass, Anti Siphon Vacuum Breaker	802.46	58.53
22 11 19 00-0074	EA	2-1/2" Brass, Anti Siphon Vacuum Breaker	2,130.67	73.16
22 11 19 00-0075		**Anti Siphon Pressure Vacuum Breakers** *(22 11 19)* Note: Watts 800M4QT		
22 11 19 00-0076	EA	1/2" Anti Siphon Pressure Type Vacuum Breaker	359.06	29.27

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0077	EA	3/4" Anti Siphon Pressure Type Vacuum Breaker	311.62	32.77
22 11 19 00-0078	EA	1" Anti Siphon Pressure Type Vacuum Breaker	448.86	37.45
22 11 19 00-0079	EA	1-1/4" Anti Siphon Pressure Type Vacuum Breaker	820.14	43.31
22 11 19 00-0080	EA	1-1/2" Anti Siphon Pressure Type Vacuum Breaker	999.45	47.99
22 11 19 00-0081	EA	2" Anti Siphon Pressure Type Vacuum Breaker	1,005.84	58.53
22 11 19 00-0082		Bellows Type Water Hammer Arrestors *(22 11 19)*		
22 11 19 00-0083	EA	Up To 11 Fixture Unit Capacity, 3/4" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5005)	216.84	14.00
22 11 19 00-0084	EA	>11 To 32 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5010)	418.81	16.93
22 11 19 00-0085	EA	>32 To 60 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5020)	608.69	16.93
22 11 19 00-0086	EA	>60 To 113 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5030)	1,475.50	16.93
22 11 19 00-0087	EA	>113 To 154 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5040)	1,656.34	16.93
22 11 19 00-0088	EA	>154 To 330 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5050)	2,028.16	16.93
22 11 19 00-0089		Piston Type Water Hammer Arrestors *(22 11 19)*		
22 11 19 00-0090		Threaded Piston Type Water Hammer Arrestors *(22 11 19 00-0089)*		
22 11 19 00-0091	EA	Up To 11 Fixture Unit Capacity, 1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-A)	201.50	7.80
22 11 19 00-0092	EA	>11 To 32 Fixture Unit Capacity, 3/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-B)	389.78	9.00
22 11 19 00-0093	EA	>32 To 60 Fixture Unit Capacity, 1" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-C)	580.94	9.76
22 11 19 00-0094	EA	>60 To 113 Fixture Unit Capacity, 1-1/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-D)	1,434.41	12.59
22 11 19 00-0095	EA	>113 To 154 Fixture Unit Capacity, 1-1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-E)	1,746.91	15.61
22 11 19 00-0096	EA	>154 To 330 Fixture Unit Capacity, 2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-F)	1,988.24	16.93
22 11 19 00-0097		Escutcheons *(22 11 19)*		
22 11 19 00-0098		Brass Escutcheons *(22 11 19 00-0097)*		
22 11 19 00-0099		Shallow Brass Escutcheons *(22 11 19 00-0098)*		
22 11 19 00-0100	EA	3/8" IPS, Antique Or Polished Brass Shallow Escutcheon	13.39	2.93
22 11 19 00-0101	EA	1/2" IPS, Antique Or Polished Brass Shallow Escutcheon	14.44	2.93
22 11 19 00-0102		Deep Bell Brass Escutcheons *(22 11 19 00-0098)*		
22 11 19 00-0103	EA	3/8" IPS, Antique Or Polished Deep Bell Brass Escutcheon	15.81	3.28
22 11 19 00-0104	EA	1/2" IPS, Antique Or Polished Deep Bell Brass Escutcheon	15.85	3.28
22 11 19 00-0105		Chrome Plated Brass Escutcheons With Setscrew *(22 11 19 00-0098)*		
22 11 19 00-0106	EA	3/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	23.01	2.93
22 11 19 00-0107	EA	1/2" IPS, Chrome Plated Brass Escutcheon With Setscrew	23.25	2.93
22 11 19 00-0108	EA	5/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	23.62	2.93
22 11 19 00-0109	EA	3/4" IPS, Chrome Plated Brass Escutcheon With Setscrew	24.93	2.93
22 11 19 00-0110	EA	7/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	25.31	3.51
22 11 19 00-0111	EA	1" IPS, Chrome Plated Brass Escutcheon With Setscrew	26.60	3.51
22 11 19 00-0112	EA	1-1/4" IPS, Chrome Plated Brass Escutcheon With Setscrew	27.54	3.87
22 11 19 00-0113	EA	1-1/2" IPS, Chrome Plated Brass Escutcheon With Setscrew	28.79	4.10
22 11 19 00-0114	EA	2" IPS, Chrome Plated Brass Escutcheon With Setscrew	41.44	4.68
22 11 19 00-0115		Plastic Escutcheons *(22 11 19 00-0097)*		
22 11 19 00-0116		Split-Ring White Plastic Escutcheons *(22 11 19 00-0115)*		
22 11 19 00-0117	EA	3/8" IPS, Split-Ring White Plastic Escutcheon	7.33	2.91
22 11 19 00-0118	EA	1/2" IPS, Split-Ring White Plastic Escutcheon	7.33	2.91
22 11 19 00-0119	EA	3/4" IPS, Split-Ring White Plastic Escutcheon	8.62	3.26
22 11 19 00-0120	EA	1" IPS, Split-Ring White Plastic Escutcheon	9.33	3.50
22 11 19 00-0121	EA	1-1/4" IPS, Split-Ring White Plastic Escutcheon	10.04	3.85
22 11 19 00-0122	EA	1-1/2" IPS, Split-Ring White Plastic Escutcheon	10.72	4.08
22 11 19 00-0123	EA	2" IPS, Split-Ring White Plastic Escutcheon	12.04	4.66
22 11 19 00-0124	EA	2-1/2" IPS, Split-Ring White Plastic Escutcheon	15.77	5.01
22 11 19 00-0125	EA	3" IPS, Split-Ring White Plastic Escutcheon	19.51	5.24
22 11 19 00-0126	EA	4" IPS, Split-Ring White Plastic Escutcheon	23.82	5.83
22 11 19 00-0127		Chrome Plate Plastic Escutcheons *(22 11 19 00-0115)*		
22 11 19 00-0128	EA	1/2" IPS, Chrome Plate Plastic Escutcheon	9.91	2.91

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0129	EA	3/4" IPS, Chrome Plate Plastic Escutcheon	10.82	3.26
22 11 19 00-0130	EA	1" IPS, Chrome Plate Plastic Escutcheon	12.17	3.50
22 11 19 00-0131	EA	1-1/4" IPS, Chrome Plate Plastic Escutcheon	13.53	3.85
22 11 19 00-0132	EA	1-1/2" IPS, Chrome Plate Plastic Escutcheon	14.23	4.08
22 11 19 00-0133	EA	2" IPS, Chrome Plate Plastic Escutcheon	18.02	4.66
22 11 19 00-0134	EA	2-1/2" IPS, Chrome Plate Plastic Escutcheon	26.54	5.01
22 11 19 00-0135	EA	3" IPS, Chrome Plate Plastic Escutcheon	27.46	5.24
22 11 19 00-0136	EA	4" IPS, Chrome Plate Plastic Escutcheon	29.28	5.83
22 11 19 00-0137		Stainless Steel Escutcheons *(22 11 19 00-0097)*		
22 11 19 00-0138		Shallow Stainless Steel Escutcheons *(22 11 19 00-0137)*		
22 11 19 00-0139	EA	3/8" IPS, Shallow Stainless Steel Escutcheon	18.96	2.93
22 11 19 00-0140	EA	1/2" IPS, Shallow Stainless Steel Escutcheon	18.96	2.93
22 11 19 00-0141	EA	3/4" IPS, Shallow Stainless Steel Escutcheon	27.18	3.28
22 11 19 00-0142		Chrome Plated Steel Escutcheons *(22 11 19 00-0097)*		
22 11 19 00-0143		Split-Ring Chrome Plated Steel Escutcheons *(22 11 19 00-0142)*		
22 11 19 00-0144	EA	1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	6.58	2.91
22 11 19 00-0145	EA	3/4" IPS, Split-Ring Chrome Plated Steel Escutcheon	7.16	3.26
22 11 19 00-0146	EA	1" IPS, Split-Ring Chrome Plated Steel Escutcheon	7.89	3.50
22 11 19 00-0147	EA	1-1/4" IPS, Split-Ring Chrome Plated Steel Escutcheon	8.47	3.85
22 11 19 00-0148	EA	1-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	9.06	4.08
22 11 19 00-0149	EA	2" IPS, Split-Ring Chrome Plated Steel Escutcheon	10.42	4.66
22 11 19 00-0150	EA	2-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	16.04	5.01
22 11 19 00-0151	EA	3" IPS, Split-Ring Chrome Plated Steel Escutcheon	17.05	5.24
22 11 19 00-0152	EA	3-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	21.14	5.58
22 11 19 00-0153	EA	4" IPS, Split-Ring Chrome Plated Steel Escutcheon	18.57	5.83
22 11 19 00-0154	EA	5" IPS, Split-Ring Chrome Plated Steel Escutcheon	24.13	6.41
22 11 19 00-0155	EA	6" IPS, Split-Ring Chrome Plated Steel Escutcheon	28.22	6.99
22 11 19 00-0156		Split-Ring/Springs Chrome Plated Steel Escutcheons *(22 11 19 00-0142)*		
22 11 19 00-0157	EA	3/8" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	10.80	2.91
22 11 19 00-0158	EA	1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	10.80	2.91
22 11 19 00-0159	EA	3/4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	11.54	3.26
22 11 19 00-0160	EA	1" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	12.47	3.50
22 11 19 00-0161	EA	1-1/4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	13.80	3.85
22 11 19 00-0162	EA	1-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	14.60	4.08
22 11 19 00-0163	EA	2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	17.32	4.66
22 11 19 00-0164	EA	2-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	19.99	5.01
22 11 19 00-0165	EA	3" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	24.56	5.24
22 11 19 00-0166	EA	3-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	30.32	5.58
22 11 19 00-0167	EA	4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	30.74	5.83
22 11 19 00-0168	EA	5" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	51.28	6.41
22 11 19 00-0169	EA	6" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	53.49	6.99
22 11 19 00-0170		Deep Bell Chrome Plated Steel Escutcheons *(22 11 19 00-0142)*		
22 11 19 00-0171	EA	3/8" IPS, Deep Bell Chrome Plated Steel Escutcheon	8.09	3.28
22 11 19 00-0172	EA	1/2" IPS, Deep Bell Chrome Plated Steel Escutcheon	7.97	3.28
22 11 19 00-0173	EA	3/4" IPS, Deep Bell Chrome Plated Steel Escutcheon	7.71	3.28
22 11 19 00-0174	EA	1" IPS, Deep Bell Chrome Plated Steel Escutcheon	8.60	3.51
22 11 19 00-0175	EA	1-1/4" IPS, Deep Bell Chrome Plated Steel Escutcheon	9.34	3.87
22 11 19 00-0176	EA	1-1/2" IPS, Deep Bell Chrome Plated Steel Escutcheon	10.29	4.10
22 11 19 00-0177		Shallow Chrome Plated Steel Escutcheons *(22 11 19 00-0142)*		
22 11 19 00-0178	EA	3/8" IPS, Shallow Chrome Plated Steel Escutcheon	7.22	2.93
22 11 19 00-0179	EA	1/2" IPS, Shallow Chrome Plated Steel Escutcheon	7.22	2.93
22 11 19 00-0180	EA	3/4" IPS, Shallow Chrome Plated Steel Escutcheon	7.34	2.93
22 11 19 00-0181	EA	1" IPS, Shallow Chrome Plated Steel Escutcheon	7.86	3.51
22 11 19 00-0182	EA	1-1/4" IPS, Shallow Chrome Plated Steel Escutcheon	8.50	3.87
22 11 19 00-0183	EA	1-1/2" IPS, Shallow Chrome Plated Steel Escutcheon	9.44	4.10
22 11 19 00-0184	EA	2" IPS, Shallow Chrome Plated Steel Escutcheon	10.69	4.68
22 11 19 00-0185		Keyed, Recessed Valve Boxes *(22 11 19)*		
22 11 19 00-0186	EA	8" x 8" x 4" Painted Steel, Keyed, Recessed Valve Box	316.52	34.93
22 11 19 00-0187	EA	8" x 8" x 6" Painted Steel, Keyed, Recessed Valve Box	351.76	34.93
22 11 19 00-0188	EA	8" x 8" x 8" Painted Steel, Keyed, Recessed Valve Box	404.62	34.93
22 11 19 00-0189	EA	12" x 12" x 4" Painted Steel, Keyed, Recessed Valve Box	392.67	46.57
22 11 19 00-0190	EA	12" x 12" x 6" Painted Steel, Keyed, Recessed Valve Box	445.53	46.57
22 11 19 00-0191	EA	12" x 12" x 8" Painted Steel, Keyed, Recessed Valve Box	461.39	46.57
22 11 19 00-0192	EA	8" x 8" x 4" Stainless Steel, Keyed, Recessed Valve Box	372.91	34.93
22 11 19 00-0193	EA	8" x 8" x 6" Stainless Steel, Keyed, Recessed Valve Box	450.43	34.93
22 11 19 00-0194	EA	8" x 8" x 8" Stainless Steel, Keyed, Recessed Valve Box	519.15	34.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0195	EA	12" x 12" x 4" Stainless Steel, Keyed, Recessed Valve Box	491.34	46.57
22 11 19 00-0196	EA	12" x 12" x 6" Stainless Steel, Keyed, Recessed Valve Box	560.06	46.57
22 11 19 00-0197	EA	12" x 12" x 8" Stainless Steel, Keyed, Recessed Valve Box	586.49	46.57
22 11 19 00-0198		**Wall Hydrants** *(22 11 19)*		
		Note: Female inlet connection, 3/4" hose thread outlet.		
22 11 19 00-0199		**Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrants** *(22 11 19 00-0198)*		
		Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0200	EA	6" Thick Wall, Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	1,203.20	29.27
		For Cast Bronze Box, Add	*64.08*	
		For 1" NPT Outlet, Add	*151.04*	
22 11 19 00-0201	EA	12" Thick Wall, Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	1,260.46	35.12
		For Cast Bronze Box, Add	*64.08*	
		For 1" NPT Outlet, Add	*151.04*	
22 11 19 00-0202	EA	18" Thick Wall, Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	1,284.44	42.26
		For Cast Bronze Box, Add	*64.08*	
		For 1" NPT Outlet, Add	*151.04*	
22 11 19 00-0203		**Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrants** *(22 11 19 00-0198)*		
		Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0204	EA	Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	1,158.76	49.16
		For Cast Bronze Box, Add	*64.08*	
		For 1" NPT Outlet, Add	*151.04*	
22 11 19 00-0205		**Cast Bronze Non-Freezing Wall Hydrant** *(22 11 19 00-0198)*		
		Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0206	EA	3" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	603.35	36.29
		For 1" NPT Outlet, Add	*151.04*	
22 11 19 00-0207	EA	4" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	765.61	36.29
		For 1" NPT Outlet, Add	*151.04*	
22 11 19 00-0208	EA	6" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	765.61	36.29
		For 1" NPT Outlet, Add	*151.04*	
22 11 19 00-0209	EA	8" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	765.61	36.29
		For 1" NPT Outlet, Add	*151.04*	
22 11 19 00-0210	EA	10" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	803.37	73.16
		For 1" NPT Outlet, Add	*151.04*	
22 11 19 00-0211	EA	12" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	803.37	73.16
		For 1" NPT Outlet, Add	*151.04*	
22 11 19 00-0212	EA	18" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	916.33	73.16
		For 1" NPT Outlet, Add	*151.04*	
22 11 19 00-0213		**Stainless Steel Box Type Wall Hydrants** *(22 11 19 00-0198)*		
		Note: With 3/4" NPT female and 3/4" NPT male inlet connection.		
22 11 19 00-0214	EA	Recessed Stainless Steel Hose Box With Wall Flange Less Door (Acorn 8140)	573.58	29.27
22 11 19 00-0215	EA	Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange Less Door (Acorn 8141)	630.19	29.27
22 11 19 00-0216	EA	Recessed Stainless Steel Hose Box With Wall Flange And Door (Acorn 8150)	637.91	29.27
22 11 19 00-0217	EA	Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange And Door (Acorn 8151)	722.82	29.27
22 11 19 00-0218	EA	Recessed Stainless Steel Hose Box With Wall Flange Less Door (Acorn 8145)	1,027.93	40.97
		Note: Includes hot and cold hose connections.		
22 11 19 00-0219	EA	Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange Less Door (Acorn 8146)	1,061.39	40.97
		Note: Includes hot and cold hose connections.		
22 11 19 00-0220	EA	Recessed Stainless Steel Hose Box With Wall Flange And Door (Acorn 8155)	1,061.39	40.97
		Note: Includes hot and cold hose connections.		
22 11 19 00-0221	EA	Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange And Door (Acorn 8156)	1,141.15	40.97
		Note: Includes hot and cold hose connections.		
22 11 19 00-0222		**Washer Boxes And Dryer Outlets** *(22 11 19)*		
22 11 19 00-0223		**Dryer Vent Kit** *(22 11 19 00-0222)*		
		Note: Includes 4" flexible tubing plastic hood clamps and tailpipe.		
22 11 19 00-0224	EA	Dryer Vent Kit With Hood, 4" x 5' Flexible Vent And Clamps	82.67	15.21
22 11 19 00-0225		**Washer Boxes And Dryer Vents** *(22 11 19 00-0222)*		
		Note: Includes 1/2" supply valves and mounting brackets.		
22 11 19 00-0226	EA	2" Washing Machine Outlet Box, Plastic, Two 1/2" Supply Valves	289.71	23.41
22 11 19 00-0227		**Ice Maker Outlet Box** *(22 11 19)*		
		Note: Includes one 1/2" quarter turn ball valve and connections wall mount.		
22 11 19 00-0228	EA	Plastic Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve, Wall Mount	155.31	23.41
22 11 19 00-0229	EA	Plastic Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve With Water Hammer Arrestor, Wall Mount	158.35	23.41
22 11 19 00-0230	EA	Steel Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve, Wall Mount	237.56	23.41

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22 11 19 00-0231		**Tempering Controllers For Potable Hot Water** *(22 11 19)*		
22 11 19 00-0232		**Point-Of-Use Thermostatic Mixing Valves (Bradley)** *(22 11 19 00-0231)* Note: Point-of-Use Water Tempering Valves: ASSE 1016, or 1070, with piston-control mechanism, positive shutoff of hot water when cold water supply is lost, bronze body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner.		
22 11 19 00-0233	EA	1/2" Inlets, 1/2" Outlet Sink/Faucet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-2007)	589.75	28.34
22 11 19 00-0234	EA	1/2" Inlets, 1/2" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4004)	143.33	28.34
22 11 19 00-0235	EA	1/2" Inlets, 1/2" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4008)	330.59	28.34
22 11 19 00-0236	EA	3/4" Inlets, 3/4" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4016)	377.11	38.17
22 11 19 00-0237		**Thermostatic Mixing Valves (Bradley)** *(22 11 19 00-0231)* Note: Standard Thermostatic, Water Mixing Valves: ASSE 1017, liquid-filled motor and piston control mechanism with positive shutoff of hot water when coldwater supply is lost. Water flow is shut off in event of thermostat failure. Bronze valve body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner. Equipped with integral check stops and removable strainers.		
22 11 19 00-0238	EA	3/4" Inlets, 3/4" Outlet, 25 GPM Thermostatic Mixing Valve (Bradley S59-2025)	1,616.97	40.87
22 11 19 00-0239	EA	3/4" Inlets, 1" Outlet, 45 GPM Thermostatic Mixing Valve (Bradley S59-2045)	1,813.04	50.34
22 11 19 00-0240	EA	1" Inlets, 1-1/4" Outlet, 80 GPM Thermostatic Mixing Valve (Bradley S59-2080)	2,180.48	58.55
22 11 19 00-0241	EA	1-1/4" Inlets, 1-1/2" Outlet, 130 GPM Thermostatic Mixing Valve (Bradley S59-2130)	2,832.69	61.54
22 11 19 00-0242	EA	2" Inlets, 2" Outlet, 220 GPM Thermostatic Mixing Valve (Bradley S59-2200)	3,804.22	79.84
22 11 19 00-0243		**High Low Temperature Thermostatic Mixing Valves (Bradley)** *(22 11 19 00-0231)* Note: High Low Temperature Thermostatic Mixing Valves: ASSE 1017, liquid-filled thermal motor and piston control mechanism with positive shutoff of hot water when cold water supply is lost, and allowing restricted cold flow in event of loss or interruption of hot water supply. Flow is shut off in the event of thermostat failure. Equipped with integral check stops, thermometer, and removable strainers.		
22 11 19 00-0244	EA	3/4" Inlets, 1" Outlet, 45 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3045)	4,139.79	62.94
22 11 19 00-0245	EA	1" Inlets, 1-1/4" Outlet, 80 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3080)	5,391.89	73.18
22 11 19 00-0246	EA	1-1/4" Inlets, 1-1/2" Outlet, 130 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3130)	6,291.89	76.92
22 11 19 00-0247	EA	2" Inlets, 2" Outlet, 220 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3200)	6,964.24	99.80
22 11 19 00-0248		**Thermostatic Mixing Valves (Leonard)** *(22 11 19 00-0231)* Note: Thermostatic Water Mixing Valve with Integral combination checkstops with strainers, 125 PSI (8.6 BAR) maximum operating pressure, Copper encapsulated thermostatic assembly with Teflon coated brass shuttle, Locking temperature regulating handle, Top or bottom supply/outlet connections, Integral circulation port connection		
22 11 19 00-0249	EA	3/4" In x 3/4" Out Thermostatic Mixing Valve (Leonard LV-981-RF) Note: For hot water or two pipe low pressure steam.	1,169.48	40.87
22 11 19 00-0250	EA	1" In x 1-1/4" Out Thermostatic Mixing Valve (Leonard LV-982-RF) Note: For hot water or two pipe low pressure steam.	1,375.96	50.33
22 11 19 00-0251	EA	1-1/4" In x 1-1/4" Out Thermostatic Mixing Valve (Leonard LV-983-RF) Note: For hot water or two pipe low pressure steam.	1,692.45	58.55
22 11 19 00-0252	EA	1-1/4" In x 1-1/2" Out Thermostatic Mixing Valve (Leonard LV-984-RF) Note: For hot water or two pipe low pressure steam.	2,073.51	61.56
22 11 19 00-0253	EA	2" In x 2" Out Thermostatic Mixing Valve (Leonard LV-985-RF) Note: For hot water or two pipe low pressure steam.	3,085.34	79.84
22 11 19 00-0254		**Water Mixing/Self Operating Temperature Regulator** *(22 11 19 00-0231)* Note: Includes high rate spring, temperature adjustment screw, temperature dial and remote bulb with 8' capillary tube.		
22 11 19 00-0255	EA	3/4" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	3,400.89	58.53
22 11 19 00-0256	EA	1" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	3,598.12	73.75
22 11 19 00-0257	EA	1-1/4" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	3,959.24	88.96
22 11 19 00-0258	EA	1-1/2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	4,354.96	104.17
22 11 19 00-0259	EA	2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	5,185.44	136.96
22 11 19 00-0260	EA	2-1/2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	6,131.90	156.19
22 11 19 00-0261		**Thermostatic Mixing Valves (Holby)** *(22 11 19 00-0231)*		
22 11 19 00-0262	EA	2-1/2" Thermostatic Mixing Valve (Holby HOLBY2500)	5,519.64	79.86
22 11 19 00-0263		**Backflow Preventer Valves** *(22 11 19)*		
22 11 19 00-0264		**Double Check Valve Backflow Preventer Assemblies** *(22 11 19 00-0263)*		
22 11 19 00-0265		**Threaded Double Check Valve Assemblies** *(22 11 19 00-0264)*		
22 11 19 00-0266		**Double Check Valve Assemblies With Quarter Turn Shut-Offs** *(22 11 19 00-0265)* Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and two epoxy coated bronze body check valves (Watts 007 QT or 719 QT series).		
22 11 19 00-0267	EA	1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)	493.52	31.37
		For Work In Restricted Working Space, Add	*23.53*	
		For Owner Furnished Material, Deduct	*-415.09*	
22 11 19 00-0268	EA	3/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)	579.80	44.48
		For Work In Restricted Working Space, Add	*33.36*	
		For Owner Furnished Material, Deduct	*-468.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0269	EA	1"Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)	667.46	54.32
		For Work In Restricted Working Space, Add	*40.74*	
		For Owner Furnished Material, Deduct	*-531.67*	
22 11 19 00-0270	EA	1-1/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)	939.13	63.21
		For Work In Restricted Working Space, Add	*47.41*	
		For Owner Furnished Material, Deduct	*-781.10*	
22 11 19 00-0271	EA	1-1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)	1,165.19	72.57
		For Work In Restricted Working Space, Add	*54.08*	
		For Owner Furnished Material, Deduct	*-984.92*	
22 11 19 00-0272	EA	2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)	1,338.33	93.64
		For Work In Restricted Working Space, Add	*70.23*	
		For Owner Furnished Material, Deduct	*-1,104.22*	

22 11 19 00-0273 Double Check Valve Assemblies With Quarter Turn Shut-Offs And Strainer

(22 11 19 00-0265)

Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, two epoxy coated bronze body check valves, and bronze strainer (Watts 007 QT-S or 719 QT-S series).

22 11 19 00-0274	EA	1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	612.30	31.37
		For Work In Restricted Working Space, Add	*23.53*	
		For Owner Furnished Material, Deduct	*-533.87*	
22 11 19 00-0275	EA	3/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	753.76	44.48
		For Work In Restricted Working Space, Add	*33.36*	
		For Owner Furnished Material, Deduct	*-642.56*	
22 11 19 00-0276	EA	1" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	880.73	54.32
		For Work In Restricted Working Space, Add	*40.74*	
		For Owner Furnished Material, Deduct	*-744.94*	
22 11 19 00-0277	EA	1-1/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	1,243.01	63.21
		For Work In Restricted Working Space, Add	*47.41*	
		For Owner Furnished Material, Deduct	*-1,084.98*	
22 11 19 00-0278	EA	1-1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	1,523.10	72.57
		For Work In Restricted Working Space, Add	*54.08*	
		For Owner Furnished Material, Deduct	*-1,342.83*	
22 11 19 00-0279	EA	2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	1,832.47	93.64
		For Work In Restricted Working Space, Add	*70.23*	
		For Owner Furnished Material, Deduct	*-1,598.36*	

22 11 19 00-0280 Flanged Double Check Valve Assemblies *(22 11 19 00-0264)*

22 11 19 00-0281 Double Check Valve Assemblies With Non-Rising Stem Shut-Offs *(22 11 19 00-0280)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF007 NRS series).

22 11 19 00-0282	EA	2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF007 NRS)	6,769.51	258.69
		For Work In Restricted Working Space, Add	*103.48*	
		For Owner Furnished Material, Deduct	*-6,424.58*	
22 11 19 00-0283	EA	3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF007 NRS)	7,437.52	291.04
		For Work In Restricted Working Space, Add	*114.80*	
		For Owner Furnished Material, Deduct	*-7,054.86*	

22 11 19 00-0284 Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs *(22 11 19 00-0280)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF007 OSY series).

22 11 19 00-0285	EA	2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF007 OSY)	7,422.53	258.69
		For Work In Restricted Working Space, Add	*103.48*	
		For Owner Furnished Material, Deduct	*-7,077.60*	
22 11 19 00-0286	EA	3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 007 OSY)	8,525.88	291.04
		For Work In Restricted Working Space, Add	*114.80*	
		For Owner Furnished Material, Deduct	*-8,143.22*	

22 11 19 00-0287 Double Check Valve Assemblies With Non-Rising Stem Shut-Offs *(22 11 19 00-0280)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF709 NRS series).

22 11 19 00-0288	EA	2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series)	6,816.60	258.69
		For Work In Restricted Working Space, Add	*103.47*	
		For Owner Furnished Material, Deduct	*-6,471.69*	
22 11 19 00-0289	EA	3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series)	5,180.15	291.04
		For Work In Restricted Working Space, Add	*114.80*	
		For Owner Furnished Material, Deduct	*-4,797.48*	
22 11 19 00-0290	EA	4" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series)	8,113.51	431.16
		For Work In Restricted Working Space, Add	*172.37*	
		For Owner Furnished Material, Deduct	*-7,538.93*	
22 11 19 00-0291	EA	6" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series)	12,323.33	654.47
		For Work In Restricted Working Space, Add	*354.68*	
		For Owner Furnished Material, Deduct	*-11,141.06*	

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22 11 19 00-0292	EA	8" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series)	28,267.66	981.71
		For Work In Restricted Working Space, Add	*532.11*	
		For Owner Furnished Material, Deduct	*-26,493.97*	
22 11 19 00-0293	EA	10" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series)	36,327.58	1,161.15
		For Work In Restricted Working Space, Add	*633.36*	
		For Owner Furnished Material, Deduct	*-34,216.38*	

22 11 19 00-0294 Double Check Valve Assemblies With Non-Rising Stem Shut-Offs And Strainer *(22 11 19 00-0280)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, two epoxy coated iron body check valves, and iron body strainer (Watts 709 NRS-S series).

22 11 19 00-0295	EA	4" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series)	9,492.60	431.16
		For Work In Restricted Working Space, Add	*172.36*	
		For Owner Furnished Material, Deduct	*-8,918.07*	
22 11 19 00-0296	EA	6" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series)	15,789.05	654.47
		For Work In Restricted Working Space, Add	*354.68*	
		For Owner Furnished Material, Deduct	*-14,606.78*	
22 11 19 00-0297	EA	10" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series)	42,240.11	1,161.15
		For Work In Restricted Working Space, Add	*633.36*	
		For Owner Furnished Material, Deduct	*-40,128.91*	

22 11 19 00-0298 Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs *(22 11 19 00-0280)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF709 OSY series).

22 11 19 00-0299	EA	2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)	7,243.82	258.69
		For Work In Restricted Working Space, Add	*103.47*	
		For Owner Furnished Material, Deduct	*-6,898.91*	
22 11 19 00-0300	EA	3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY series)	7,958.95	291.04
		For Work In Restricted Working Space, Add	*114.80*	
		For Owner Furnished Material, Deduct	*-7,576.29*	
22 11 19 00-0301	EA	4" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)	8,613.78	431.16
		For Work In Restricted Working Space, Add	*172.36*	
		For Owner Furnished Material, Deduct	*-8,039.25*	
22 11 19 00-0302	EA	6" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)	14,450.53	654.47
		For Work In Restricted Working Space, Add	*354.68*	
		For Owner Furnished Material, Deduct	*-13,268.26*	
22 11 19 00-0303	EA	8" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)	30,033.98	981.71
		For Work In Restricted Working Space, Add	*532.02*	
		For Owner Furnished Material, Deduct	*-28,260.57*	
22 11 19 00-0304	EA	10" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)	38,607.01	1,161.15
		For Work In Restricted Working Space, Add	*633.36*	
		For Owner Furnished Material, Deduct	*-36,495.81*	

22 11 19 00-0305 Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs *(22 11 19 00-0280)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 OSY series).

22 11 19 00-0306	EA	2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	4,292.41	258.69
		For Work In Restricted Working Space, Add	*103.47*	
		For Owner Furnished Material, Deduct	*-3,947.50*	
22 11 19 00-0307	EA	3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	4,725.14	291.04
		For Work In Restricted Working Space, Add	*114.80*	
		For Owner Furnished Material, Deduct	*-4,342.48*	
22 11 19 00-0308	EA	4" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	5,311.99	431.16
		For Work In Restricted Working Space, Add	*172.36*	
		For Owner Furnished Material, Deduct	*-4,737.46*	
22 11 19 00-0309	EA	6" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	8,589.95	654.47
		For Work In Restricted Working Space, Add	*354.68*	
		For Owner Furnished Material, Deduct	*-7,407.68*	
22 11 19 00-0310	EA	8" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	16,419.02	981.71
		For Work In Restricted Working Space, Add	*532.02*	
		For Owner Furnished Material, Deduct	*-14,645.61*	
22 11 19 00-0311	EA	10" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	17,783.04	1,161.15
		For Work In Restricted Working Space, Add	*633.36*	
		For Owner Furnished Material, Deduct	*-15,671.84*	

22 11 19 00-0312 N-Pattern Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs *(22 11 19 00-0280)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N OSY series).

22 11 19 00-0313	EA	2-1/2" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series)	5,693.07	258.69
		For Work In Restricted Working Space, Add	*103.47*	
		For Owner Furnished Material, Deduct	*-5,348.16*	
22 11 19 00-0314	EA	3" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series)	6,125.80	291.04
		For Work In Restricted Working Space, Add	*114.80*	
		For Owner Furnished Material, Deduct	*-5,743.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0315	EA	4" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757 OSY Series)	7,652.53	431.16
		For Work In Restricted Working Space, Add	*172.36*	
		For Owner Furnished Material, Deduct	*-7,078.00*	
22 11 19 00-0316	EA	6" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series)	12,508.13	654.47
		For Work In Restricted Working Space, Add	*354.68*	
		For Owner Furnished Material, Deduct	*-11,325.86*	
22 11 19 00-0317	EA	8" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series)	22,226.16	981.71
		For Work In Restricted Working Space, Add	*532.02*	
		For Owner Furnished Material, Deduct	*-20,452.75*	
22 11 19 00-0318	EA	10" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series)	26,448.75	1,161.15
		For Work In Restricted Working Space, Add	*633.36*	
		For Owner Furnished Material, Deduct	*-24,337.55*	

22 11 19 00-0319 Double Check Valve Assemblies With Non-Rising Stem Shut-Off Valves *(22 11 19 00-0280)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 NRS series).

22 11 19 00-0320	EA	2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series)	4,013.83	258.69
		For Work In Restricted Working Space, Add	*103.47*	
		For Owner Furnished Material, Deduct	*-3,668.92*	
22 11 19 00-0321	EA	3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series)	4,459.22	291.04
		For Work In Restricted Working Space, Add	*114.80*	
		For Owner Furnished Material, Deduct	*-4,076.56*	
22 11 19 00-0322	EA	4" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series)	5,058.58	431.16
		For Work In Restricted Working Space, Add	*172.36*	
		For Owner Furnished Material, Deduct	*-4,484.05*	
22 11 19 00-0323	EA	6" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series)	8,390.88	654.47
		For Work In Restricted Working Space, Add	*354.68*	
		For Owner Furnished Material, Deduct	*-7,208.61*	
22 11 19 00-0324	EA	8" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series)	16,227.17	981.71
		For Work In Restricted Working Space, Add	*532.02*	
		For Owner Furnished Material, Deduct	*-14,453.76*	
22 11 19 00-0325	EA	10" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series)	18,318.69	1,161.15
		For Work In Restricted Working Space, Add	*633.36*	
		For Owner Furnished Material, Deduct	*-16,207.49*	

22 11 19 00-0326 N-Pattern Double Check Valve Assemblies With Non-Rising Stem Shut-Offs *(22 11 19 00-0280)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N NRS series).

22 11 19 00-0327	EA	2-1/2" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	5,297.04	258.69
		For Work In Restricted Working Space, Add	*103.47*	
		For Owner Furnished Material, Deduct	*-4,952.13*	
22 11 19 00-0328	EA	3" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	5,729.76	291.04
		For Work In Restricted Working Space, Add	*114.80*	
		For Owner Furnished Material, Deduct	*-5,347.10*	
22 11 19 00-0329	EA	4" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	7,256.99	431.16
		For Work In Restricted Working Space, Add	*172.36*	
		For Owner Furnished Material, Deduct	*-6,682.46*	
22 11 19 00-0330	EA	6" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	12,086.84	654.47
		For Work In Restricted Working Space, Add	*354.68*	
		For Owner Furnished Material, Deduct	*-10,904.57*	
22 11 19 00-0331	EA	8" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	21,588.49	981.71
		For Work In Restricted Working Space, Add	*532.02*	
		For Owner Furnished Material, Deduct	*-19,815.08*	
22 11 19 00-0332	EA	10" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	25,809.21	1,161.15
		For Work In Restricted Working Space, Add	*633.36*	
		For Owner Furnished Material, Deduct	*-23,698.01*	

22 11 19 00-0333 Double Check Valve Assemblies With Butterfly Shut-Off Valves *(22 11 19 00-0280)*

Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757 BFG series).

22 11 19 00-0334	EA	2-1/2" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	4,672.69	258.69
		For Work In Restricted Working Space, Add	*103.47*	
		For Owner Furnished Material, Deduct	*-4,327.78*	
22 11 19 00-0335	EA	3" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	5,105.42	291.04
		For Work In Restricted Working Space, Add	*114.80*	
		For Owner Furnished Material, Deduct	*-4,722.76*	
22 11 19 00-0336	EA	4" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	5,692.27	431.16
		For Work In Restricted Working Space, Add	*172.36*	
		For Owner Furnished Material, Deduct	*-5,117.74*	
22 11 19 00-0337	EA	6" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	8,979.81	654.47
		For Work In Restricted Working Space, Add	*354.68*	
		For Owner Furnished Material, Deduct	*-7,797.54*	
22 11 19 00-0338	EA	8" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	16,808.88	981.71
		For Work In Restricted Working Space, Add	*532.02*	
		For Owner Furnished Material, Deduct	*-15,035.47*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0339		**N-Pattern Double Check Valve Assemblies With Butterfly Shut-Offs** *(22 11 19 00-0280)* Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757N BFG series).		
22 11 19 00-0340	EA	2-1/2" N-Pattern Flanged Double Check Assembly With Butterfly Valves (Watts 757 BFG series)	6,073.35	258.69
		For Work In Restricted Working Space, Add	*103.47*	
		For Owner Furnished Material, Deduct	*-5,728.44*	
22 11 19 00-0341	EA	3" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	6,506.07	291.04
		For Work In Restricted Working Space, Add	*114.80*	
		For Owner Furnished Material, Deduct	*-6,123.41*	
22 11 19 00-0342	EA	4" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	8,032.81	431.16
		For Work In Restricted Working Space, Add	*172.36*	
		For Owner Furnished Material, Deduct	*-7,458.28*	
22 11 19 00-0343	EA	6" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	12,898.07	654.47
		For Work In Restricted Working Space, Add	*354.68*	
		For Owner Furnished Material, Deduct	*-11,715.80*	
22 11 19 00-0344	EA	8" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	16,808.88	981.71
		For Work In Restricted Working Space, Add	*532.02*	
		For Owner Furnished Material, Deduct	*-15,035.47*	
22 11 19 00-0345		**Grooved Double Check Valve Assemblies** *(22 11 19 00-0264)*		
22 11 19 00-0346		**Double Check Valve Assemblies With Quarter Turn Shut-Offs** *(22 11 19 00-0345)* Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757 QT series).		
22 11 19 00-0347	EA	2-1/2" Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series)	4,013.83	137.97
		For Work In Restricted Working Space, Add	*103.47*	
		For Owner Furnished Material, Deduct	*-3,668.92*	
22 11 19 00-0348	EA	3" Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series)	4,459.22	153.06
		For Work In Restricted Working Space, Add	*114.80*	
		For Owner Furnished Material, Deduct	*-4,076.56*	
22 11 19 00-0349		**N-Patten Double Check Valve Assemblies With Quarter Turn Shut-Offs** *(22 11 19 00-0345)* Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757N QT series).		
22 11 19 00-0350	EA	2-1/2" N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series)	5,297.04	137.97
		For Work In Restricted Working Space, Add	*103.47*	
		For Owner Furnished Material, Deduct	*-4,952.13*	
22 11 19 00-0351	EA	3" N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series)	5,729.76	153.06
		For Work In Restricted Working Space, Add	*114.80*	
		For Owner Furnished Material, Deduct	*-5,347.10*	
22 11 19 00-0352		**Reduced Pressure Zone Backflow Preventer Assemblies** *(22 11 19 00-0263)*		
22 11 19 00-0353		**Threaded Reduced Pressure Zone Assemblies** *(22 11 19 00-0352)*		
22 11 19 00-0354		**Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs** *(22 11 19 00-0353)* Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series).		
22 11 19 00-0355	EA	1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series)	550.68	27.15
		For Work In Restricted Working Space, Add	*20.37*	
		For Owner Furnished Material, Deduct	*-482.79*	
22 11 19 00-0356	EA	3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series)	581.15	29.96
		For Work In Restricted Working Space, Add	*22.48*	
		For Owner Furnished Material, Deduct	*-506.23*	
22 11 19 00-0357	EA	1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series)	678.10	31.37
		For Work In Restricted Working Space, Add	*23.53*	
		For Owner Furnished Material, Deduct	*-599.67*	
22 11 19 00-0358	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series)	909.85	44.48
		For Work In Restricted Working Space, Add	*33.36*	
		For Owner Furnished Material, Deduct	*-798.65*	
22 11 19 00-0359	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	1,078.98	54.32
		For Work In Restricted Working Space, Add	*40.74*	
		For Owner Furnished Material, Deduct	*-943.19*	
22 11 19 00-0360	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	1,637.61	63.21
		For Work In Restricted Working Space, Add	*47.41*	
		For Owner Furnished Material, Deduct	*-1,479.58*	
22 11 19 00-0361	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	1,729.44	72.57
		For Work In Restricted Working Space, Add	*54.08*	
		For Owner Furnished Material, Deduct	*-1,549.17*	
22 11 19 00-0362	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	2,072.44	93.64
		For Work In Restricted Working Space, Add	*70.23*	
		For Owner Furnished Material, Deduct	*-1,838.33*	
22 11 19 00-0363		**Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer** *(22 11 19 00-0353)* Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 009 QT-S series).		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0364	EA	1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	609.12	27.15
		For Work In Restricted Working Space, Add	*20.37*	
		For Owner Furnished Material, Deduct	*-541.23*	
22 11 19 00-0365	EA	3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	642.74	29.96
		For Work In Restricted Working Space, Add	*22.48*	
		For Owner Furnished Material, Deduct	*-567.82*	
22 11 19 00-0366	EA	1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	762.51	44.48
		For Work In Restricted Working Space, Add	*23.53*	
		For Owner Furnished Material, Deduct	*-684.08*	
22 11 19 00-0367	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	1,042.51	44.48
		For Work In Restricted Working Space, Add	*33.36*	
		For Owner Furnished Material, Deduct	*-931.31*	
22 11 19 00-0368	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	1,244.85	54.32
		For Work In Restricted Working Space, Add	*40.74*	
		For Owner Furnished Material, Deduct	*-1,109.06*	
22 11 19 00-0369	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	1,863.82	63.21
		For Work In Restricted Working Space, Add	*47.41*	
		For Owner Furnished Material, Deduct	*-1,705.79*	
22 11 19 00-0370	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	2,048.67	72.57
		For Work In Restricted Working Space, Add	*54.08*	
		For Owner Furnished Material, Deduct	*-1,868.40*	
22 11 19 00-0371	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	2,464.10	93.64
		For Work In Restricted Working Space, Add	*70.23*	
		For Owner Furnished Material, Deduct	*-2,229.99*	

22 11 19 00-0372 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs *(22 11 19 00-0353)*

Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 919 QT series).

22 11 19 00-0373	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	909.85	44.48
		For Work In Restricted Working Space, Add	*33.36*	
		For Owner Furnished Material, Deduct	*-798.65*	
22 11 19 00-0374	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	1,078.98	54.32
		For Work In Restricted Working Space, Add	*40.74*	
		For Owner Furnished Material, Deduct	*-943.19*	
22 11 19 00-0375	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	1,637.61	63.21
		For Work In Restricted Working Space, Add	*47.41*	
		For Owner Furnished Material, Deduct	*-1,479.58*	
22 11 19 00-0376	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	1,729.44	72.57
		For Work In Restricted Working Space, Add	*54.08*	
		For Owner Furnished Material, Deduct	*-1,549.17*	
22 11 19 00-0377	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	2,072.44	93.64
		For Work In Restricted Working Space, Add	*70.23*	
		For Owner Furnished Material, Deduct	*-1,838.33*	

22 11 19 00-0378 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs *(22 11 19 00-0353)*

Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 909 QT series).

22 11 19 00-0379	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909QT)	1,895.13	44.48
		For Work In Restricted Working Space, Add	*33.36*	
		For Owner Furnished Material, Deduct	*-1,783.93*	
22 11 19 00-0380	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909QT)	2,242.57	54.32
		For Work In Restricted Working Space, Add	*40.74*	
		For Owner Furnished Material, Deduct	*-2,106.78*	
22 11 19 00-0381	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909M1QT)	3,458.60	63.21
		For Work In Restricted Working Space, Add	*47.41*	
		For Owner Furnished Material, Deduct	*-3,300.57*	
22 11 19 00-0382	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909M1QT)	3,737.62	72.57
		For Work In Restricted Working Space, Add	*54.08*	
		For Owner Furnished Material, Deduct	*-3,557.35*	
22 11 19 00-0383	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909M1QT)	4,332.04	93.64
		For Work In Restricted Working Space, Add	*70.23*	
		For Owner Furnished Material, Deduct	*-4,097.93*	

22 11 19 00-0384 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer *(22 11 19 00-0353)*

Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts LF909 QT-S series).

22 11 19 00-0385	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909QT-S)	2,558.25	44.48
		For Work In Restricted Working Space, Add	*33.36*	
		For Owner Furnished Material, Deduct	*-2,447.05*	
22 11 19 00-0386	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909QT-S)	3,040.53	54.32
		For Work In Restricted Working Space, Add	*40.74*	
		For Owner Furnished Material, Deduct	*-2,904.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0387	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S)	4,643.08	63.21
		For Work In Restricted Working Space, Add	*47.41*	
		For Owner Furnished Material, Deduct	*-4,485.05*	
22 11 19 00-0388	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S)	5,070.76	72.57
		For Work In Restricted Working Space, Add	*54.08*	
		For Owner Furnished Material, Deduct	*-4,890.49*	
22 11 19 00-0389	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S)	6,020.17	93.64
		For Work In Restricted Working Space, Add	*70.23*	
		For Owner Furnished Material, Deduct	*-5,786.06*	

22 11 19 00-0390 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer *(22 11 19 00-0353)*

Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 919 QT-S series).

22 11 19 00-0391	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	1,042.51	44.48
		For Work In Restricted Working Space, Add	*33.36*	
		For Owner Furnished Material, Deduct	*-931.31*	
22 11 19 00-0392	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	1,244.85	54.32
		For Work In Restricted Working Space, Add	*40.74*	
		For Owner Furnished Material, Deduct	*-1,109.06*	
22 11 19 00-0393	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	1,863.82	63.21
		For Work In Restricted Working Space, Add	*47.41*	
		For Owner Furnished Material, Deduct	*-1,705.79*	
22 11 19 00-0394	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	2,048.67	72.57
		For Work In Restricted Working Space, Add	*54.08*	
		For Owner Furnished Material, Deduct	*-1,868.40*	
22 11 19 00-0395	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	2,464.10	93.64
		For Work In Restricted Working Space, Add	*70.23*	
		For Owner Furnished Material, Deduct	*-2,229.99*	

22 11 19 00-0396 Flanged Reduced Pressure Zone Assemblies *(22 11 19 00-0352)*

22 11 19 00-0397 Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs *(22 11 19 00-0396)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts LF009 NRS series).

22 11 19 00-0398	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF009 NRS series)	6,222.08	258.69
		For Work In Restricted Working Space, Add	*103.48*	
		For Owner Furnished Material, Deduct	*-5,877.15*	
22 11 19 00-0399	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF009 NRS series)	7,011.92	291.04
		For Work In Restricted Working Space, Add	*114.80*	
		For Owner Furnished Material, Deduct	*-6,629.26*	

22 11 19 00-0400 Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Strainer *(22 11 19 00-0396)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts LF009 NRS-S-FDA series).

22 11 19 00-0401	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF009 NRS-S-FDA series)	7,427.40	258.69
		For Work In Restricted Working Space, Add	*103.48*	
		For Owner Furnished Material, Deduct	*-7,082.47*	
22 11 19 00-0402	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF009 NRS-S-FDA series)	8,412.17	291.04
		For Work In Restricted Working Space, Add	*114.80*	
		For Owner Furnished Material, Deduct	*-8,029.51*	

22 11 19 00-0403 Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs *(22 11 19 00-0396)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts LF009 OSY series).

22 11 19 00-0404	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF009 OSY series)	6,683.42	258.69
		For Work In Restricted Working Space, Add	*103.48*	
		For Owner Furnished Material, Deduct	*-6,338.49*	
22 11 19 00-0405	EA	3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF009 OSY series)	7,778.64	291.04
		For Work In Restricted Working Space, Add	*114.80*	
		For Owner Furnished Material, Deduct	*-7,395.98*	

22 11 19 00-0406 Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs And Strainer *(22 11 19 00-0396)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies. (Watts LF009 OSY-S-FDA Series)

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0407	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs And Strainer (Watts LF009 OSY-S-FDA series)	7,427.40	258.69
		For Work In Restricted Working Space, Add	*103.48*	
		For Owner Furnished Material, Deduct	*-7,082.47*	
22 11 19 00-0408	EA	3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs And Strainer (Watts LF009 OSY-S-FDA series)	8,412.17	291.04
		For Work In Restricted Working Space, Add	*114.80*	
		For Owner Furnished Material, Deduct	*-8,029.51*	
22 11 19 00-0409		**Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs** *(22 11 19 00-0396)* Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and captured spring assemblies (Watts LF009 QT-FDA series).		
22 11 19 00-0410	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts LF009 QT-FDA series)	8,250.98	258.69
		For Work In Restricted Working Space, Add	*103.48*	
		For Owner Furnished Material, Deduct	*-7,906.05*	
22 11 19 00-0411	EA	3" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts LF009 QT-FDA series)	9,550.89	291.04
		For Work In Restricted Working Space, Add	*114.80*	
		For Owner Furnished Material, Deduct	*-9,168.23*	
22 11 19 00-0412		**Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs** *(22 11 19 00-0396)* Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts LF909 NRS series).		
22 11 19 00-0413	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series)	10,723.33	258.69
		For Work In Restricted Working Space, Add	*103.47*	
		For Owner Furnished Material, Deduct	*-10,378.42*	
22 11 19 00-0414	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series)	12,184.08	291.04
		For Work In Restricted Working Space, Add	*114.80*	
		For Owner Furnished Material, Deduct	*-11,801.41*	
22 11 19 00-0415	EA	4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series)	15,327.56	431.16
		For Work In Restricted Working Space, Add	*172.37*	
		For Owner Furnished Material, Deduct	*-14,752.98*	
22 11 19 00-0416	EA	6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series)	23,090.89	654.47
		For Work In Restricted Working Space, Add	*496.59*	
		For Owner Furnished Material, Deduct	*-21,435.60*	
22 11 19 00-0417	EA	8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909M1 NRS series)	38,331.04	981.71
		For Work In Restricted Working Space, Add	*744.88*	
		For Owner Furnished Material, Deduct	*-35,848.11*	
22 11 19 00-0418	EA	10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909M1 NRS series)	49,591.21	1,161.15
		For Work In Restricted Working Space, Add	*633.36*	
		For Owner Furnished Material, Deduct	*-47,480.01*	
22 11 19 00-0419		**Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Epoxy Coated Strainer** *(22 11 19 00-0396)* Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts LF909 NRS-S-FDA series).		
22 11 19 00-0420	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	11,559.91	258.69
		For Work In Restricted Working Space, Add	*103.47*	
		For Owner Furnished Material, Deduct	*-11,215.00*	
22 11 19 00-0421	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	13,064.51	291.04
		For Work In Restricted Working Space, Add	*114.80*	
		For Owner Furnished Material, Deduct	*-12,681.85*	
22 11 19 00-0422	EA	4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	16,677.41	431.16
		For Work In Restricted Working Space, Add	*172.36*	
		For Owner Furnished Material, Deduct	*-16,102.88*	
22 11 19 00-0423	EA	6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	25,158.71	654.47
		For Work In Restricted Working Space, Add	*354.68*	
		For Owner Furnished Material, Deduct	*-23,976.44*	
22 11 19 00-0424	EA	8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	40,758.43	981.71
		For Work In Restricted Working Space, Add	*532.02*	
		For Owner Furnished Material, Deduct	*-38,985.02*	
22 11 19 00-0425	EA	10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	55,350.56	1,161.15
		For Work In Restricted Working Space, Add	*633.36*	
		For Owner Furnished Material, Deduct	*-53,239.36*	
22 11 19 00-0426		**Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs** *(22 11 19 00-0396)* Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts LF909 OSY series).		
22 11 19 00-0427	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series)	11,412.08	258.69
		For Work In Restricted Working Space, Add	*103.47*	
		For Owner Furnished Material, Deduct	*-11,067.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0428	EA	3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series)	12,973.55	291.04
		For Work In Restricted Working Space, Add	*114.80*	
		For Owner Furnished Material, Deduct	*-12,590.88*	
22 11 19 00-0429	EA	4" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series)	16,308.71	431.16
		For Work In Restricted Working Space, Add	*172.37*	
		For Owner Furnished Material, Deduct	*-15,734.13*	
22 11 19 00-0430	EA	6" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series)	24,048.14	654.47
		For Work In Restricted Working Space, Add	*354.68*	
		For Owner Furnished Material, Deduct	*-22,865.87*	
22 11 19 00-0431	EA	8" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909M1 OSY series)	40,012.50	981.71
		For Work In Restricted Working Space, Add	*532.02*	
		For Owner Furnished Material, Deduct	*-38,239.09*	
22 11 19 00-0432	EA	10" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909M1 OSY series)	52,754.77	1,161.15
		For Work In Restricted Working Space, Add	*633.36*	
		For Owner Furnished Material, Deduct	*-50,643.57*	

22 11 19 00-0433 Double Check Detector Assemblies *(22 11 19 00-0263)*

22 11 19 00-0434 Flanged Double Check Detector Assemblies With Meter *(22 11 19 00-0433)*

22 11 19 00-0435 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter *(22 11 19 00-0434)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, two epoxy coated iron body check valves, and meter (Watts 709 DCDA OSY series).

22 11 19 00-0436	EA	3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	8,542.20	291.04
		For Work In Restricted Working Space, Add	*114.80*	
		For Owner Furnished Material, Deduct	*-8,159.54*	
22 11 19 00-0437	EA	4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	8,923.40	431.16
		For Work In Restricted Working Space, Add	*172.36*	
		For Owner Furnished Material, Deduct	*-8,348.87*	
22 11 19 00-0438	EA	6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	12,023.57	654.47
		For Work In Restricted Working Space, Add	*354.68*	
		For Owner Furnished Material, Deduct	*-10,841.30*	
22 11 19 00-0439	EA	8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	21,369.68	981.71
		For Work In Restricted Working Space, Add	*532.02*	
		For Owner Furnished Material, Deduct	*-19,596.27*	
22 11 19 00-0440	EA	10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	28,892.69	1,161.15
		For Work In Restricted Working Space, Add	*633.36*	
		For Owner Furnished Material, Deduct	*-26,781.49*	

22 11 19 00-0441 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter *(22 11 19 00-0434)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA OSY series).

22 11 19 00-0442	EA	2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	6,389.80	258.69
		For Work In Restricted Working Space, Add	*103.48*	
		For Owner Furnished Material, Deduct	*-6,044.87*	
22 11 19 00-0443	EA	3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	6,822.10	291.04
		For Work In Restricted Working Space, Add	*114.80*	
		For Owner Furnished Material, Deduct	*-6,439.44*	
22 11 19 00-0444	EA	4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	7,418.29	431.16
		For Work In Restricted Working Space, Add	*172.36*	
		For Owner Furnished Material, Deduct	*-6,843.76*	
22 11 19 00-0445	EA	6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	10,068.82	654.47
		For Work In Restricted Working Space, Add	*354.68*	
		For Owner Furnished Material, Deduct	*-8,886.55*	
22 11 19 00-0446	EA	8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	17,836.65	981.71
		For Work In Restricted Working Space, Add	*532.02*	
		For Owner Furnished Material, Deduct	*-16,063.24*	
22 11 19 00-0447	EA	10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	21,031.55	1,161.15
		For Work In Restricted Working Space, Add	*633.36*	
		For Owner Furnished Material, Deduct	*-18,920.35*	

22 11 19 00-0448 Double Check Detector Assembly With Butterfly Valves And Meter *(22 11 19 00-0434)*

Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA BFG series).

22 11 19 00-0449	EA	2-1/2" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	6,770.16	258.69
		For Work In Restricted Working Space, Add	*103.48*	
		For Owner Furnished Material, Deduct	*-6,425.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0450	EA	3" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	7,202.46	291.04
		For Work In Restricted Working Space, Add	*114.80*	
		For Owner Furnished Material, Deduct	*-6,819.80*	
22 11 19 00-0451	EA	4" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	7,798.57	431.16
		For Work In Restricted Working Space, Add	*172.36*	
		For Owner Furnished Material, Deduct	*-7,224.04*	
22 11 19 00-0452	EA	6" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	10,458.68	654.47
		For Work In Restricted Working Space, Add	*354.68*	
		For Owner Furnished Material, Deduct	*-9,276.41*	
22 11 19 00-0453	EA	8" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	17,368.90	981.71
		For Work In Restricted Working Space, Add	*532.02*	
		For Owner Furnished Material, Deduct	*-15,595.49*	

22 11 19 00-0454 Flanged Double Check Detector Assemblies Without Meter *(22 11 19 00-0433)*

22 11 19 00-0455 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs Less Meter *(22 11 19 00-0454)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA OSY LM series).

22 11 19 00-0456	EA	2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	6,269.71	258.69
		For Work In Restricted Working Space, Add	*103.48*	
22 11 19 00-0457	EA	3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	6,702.06	291.04
		For Work In Restricted Working Space, Add	*114.80*	
22 11 19 00-0458	EA	4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	7,298.25	431.16
		For Work In Restricted Working Space, Add	*172.36*	
22 11 19 00-0459	EA	6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	9,948.78	654.47
		For Work In Restricted Working Space, Add	*354.68*	
22 11 19 00-0460	EA	8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	17,716.69	981.71
		For Work In Restricted Working Space, Add	*532.02*	
22 11 19 00-0461	EA	10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	20,911.42	1,161.15
		For Work In Restricted Working Space, Add	*633.36*	

22 11 19 00-0462 Double Check Detector Assembly With Butterfly Valves Less Meter *(22 11 19 00-0454)*

Note: Includes ball type test cocks, two butterfly resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA BFG LM series).

22 11 19 00-0463	EA	2-1/2" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	6,650.03	258.69
		For Work In Restricted Working Space, Add	*103.48*	
22 11 19 00-0464	EA	3" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	7,082.34	291.04
		For Work In Restricted Working Space, Add	*114.80*	
22 11 19 00-0465	EA	4" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	7,678.52	431.16
		For Work In Restricted Working Space, Add	*172.36*	
22 11 19 00-0466	EA	6" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	10,338.56	654.47
		For Work In Restricted Working Space, Add	*354.68*	
22 11 19 00-0467	EA	8" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	18,106.55	981.71
		For Work In Restricted Working Space, Add	*532.02*	

22 11 19 00-0468 Backflow Preventer Accessories *(22 11 19 00-0263)*

22 11 19 00-0469 Air Gap *(22 11 19 00-0468)*

22 11 19 00-0470	EA	Up To 1" Diameter Air Gap For Backflow Preventer	139.73	14.63
22 11 19 00-0471	EA	1-1/4" To 2" Diameter Air Gap For Backflow Preventer	172.07	17.56
22 11 19 00-0472	EA	2-1/2" To 3" Diameter Air Gap For Backflow Preventer	325.59	23.41
22 11 19 00-0473	EA	4" To 6" Diameter Air Gap For Backflow Preventer	645.40	40.97
22 11 19 00-0474	EA	8" To 10" Diameter Air Gap For Backflow Preventer	680.52	58.53

22 11 19 00-0475 Brass Test Cocks *(22 11 19 00-0468)*

22 11 19 00-0476	EA	1/8" Or 1/4" Brass Test Cock	56.91	5.85

22 11 19 00-0477 Backflow Valve Enclosures *(22 11 19 00-0263)*

22 11 19 00-0478 Flip-Top, Insulated Fiberglass Valve Enclosures *(22 11 19 00-0477)*

Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.

22 11 19 00-0479	EA	19" Length x 11" Width x 22" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,385.03	105.35
		For Heated Enclosure, Add	*168.25*	
22 11 19 00-0480	EA	27" Length x 13" Width x 23" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,698.88	105.35
		For Heated Enclosure, Add	*215.33*	
22 11 19 00-0481	EA	27" Length x 13" Width x 35" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	2,147.44	97.01
		For Heated Enclosure, Add	*285.74*	
22 11 19 00-0482	EA	33" Length x 21" Width x 25" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	2,236.47	129.35
		For Heated Enclosure, Add	*286.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0483	EA	39" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	2,342.90	129.35
		For Heated Enclosure, Add	*302.93*	
22 11 19 00-0484	EA	47" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	2,757.73	129.35
		For Heated Enclosure, Add	*365.15*	
22 11 19 00-0485	EA	39" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	2,768.64	129.35
		For Heated Enclosure, Add	*366.79*	
22 11 19 00-0486	EA	47" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	3,475.48	129.35
		For Heated Enclosure, Add	*472.82*	
22 11 19 00-0487	EA	70" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	7,987.36	194.02
		For Heated Enclosure, Add	*1,125.35*	
22 11 19 00-0488	EA	83" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	11,554.29	194.02
		For Heated Enclosure, Add	*1,660.38*	
22 11 19 00-0489	EA	70" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	10,981.18	194.02
		For Heated Enclosure, Add	*1,574.42*	
22 11 19 00-0490	EA	83" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	13,220.74	226.36
		For Heated Enclosure, Add	*1,898.23*	

22 11 19 00-0491 One-Piece Drop Over, Insulated Fiberglass Valve Enclosures *(22 11 19 00-0477)*

Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.

22 11 19 00-0492	EA	20" Length x 6-1/2" Width x 22" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	729.11	28.09
		For Heated Enclosure, Add	*136.46*	
22 11 19 00-0493	EA	27" Length x 14" Width x 26" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	1,018.39	28.09
		For Heated Enclosure, Add	*194.31*	
22 11 19 00-0494	EA	38-1/2" Length x 12" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	1,282.12	25.87
		For Heated Enclosure, Add	*247.80*	
22 11 19 00-0495	EA	47" Length x 13" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	1,942.56	25.87
		For Heated Enclosure, Add	*379.89*	
22 11 19 00-0496	EA	70" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	5,036.90	48.50
		For Heated Enclosure, Add	*991.21*	
22 11 19 00-0497	EA	83" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	6,884.50	48.50
		For Heated Enclosure, Add	*1,360.73*	
22 11 19 00-0498	EA	45" Length x 35" Width x 35" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	4,578.41	48.50
		For Heated Enclosure, Add	*899.51*	
22 11 19 00-0499	EA	53" Length x 44" Width x 44" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	5,184.27	48.50
		For Heated Enclosure, Add	*1,020.68*	
22 11 19 00-0500	EA	61" Length x 52" Width x 50" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	8,123.51	48.50
		For Heated Enclosure, Add	*1,608.53*	

22 11 19 00-0501 Lift-Off Lightweight Backflow Valve Enclosures With Recessed Locksheild Brackets *(22 11 19 00-0477)*

Note: 1-1/2", 0.095" wall tubular steel framework with 1" x 1" x 1/8" angle iron, 1/2" #13 gauge diamond pattern rolled expanded metal, all welded construction. Excludes concrete pad.

22 11 19 00-0502	EA	22" Length x 10" Width x 24" Height, Backflow Preventer Caged Enclosures Note: BP-1	906.22	105.35
22 11 19 00-0503	EA	30" Length x 10" Width x 24" Height, Backflow Preventer Caged Enclosures Note: BP-2	1,016.44	129.35
22 11 19 00-0504	EA	40" Length x 10" Width x 24" Height, Backflow Preventer Caged Enclosures Note: BP-3	1,096.80	129.35
22 11 19 00-0505	EA	46" Length x 10" Width x 30" Height, Backflow Preventer Caged Enclosures Note: BP-4	1,325.81	129.35

22 11 19 00-0506 Sectional, Insulated Aluminum Valve Enclosures *(22 11 19 00-0477)*

Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.

22 11 19 00-0507	EA	70" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure	10,342.57	194.02
		For Heated Enclosure, Add	*1,478.63*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0508	EA	83" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure	11,398.73	194.02
		For Heated Enclosure, Add	*1,637.05*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0509	EA	53" Length x 33" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure	8,115.62	194.02
		For Heated Enclosure, Add	*1,144.58*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0510	EA	53" Length x 44" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure	8,896.15	194.02
		For Heated Enclosure, Add	*1,261.66*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0511	EA	90" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	10,359.61	258.69
		For Heated Enclosure, Add	*1,456.93*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0512	EA	102" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	11,609.53	258.69
		For Heated Enclosure, Add	*1,644.42*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0513	EA	90" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	11,609.53	258.69
		For Heated Enclosure, Add	*1,644.42*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0514	EA	102" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	12,821.26	258.69
		For Heated Enclosure, Add	*1,826.18*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0515	EA	62" Length x 39" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure	9,634.70	226.36
		For Heated Enclosure, Add	*1,360.32*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0516	EA	62" Length x 53" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure	11,279.31	258.69
		For Heated Enclosure, Add	*1,594.89*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0517	EA	105" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure	13,170.58	258.69
		For Heated Enclosure, Add	*1,878.58*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0518	EA	125" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure	14,455.48	274.87
		For Heated Enclosure, Add	*2,065.25*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0519	EA	105" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure	14,769.33	274.87
		For Heated Enclosure, Add	*2,112.32*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0520	EA	125" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure	16,370.79	291.04
		For Heated Enclosure, Add	*2,346.48*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0521	EA	105" Length x 36" Width x 80" Height, Sectional, Insulated Aluminum Valve Enclosure	16,995.76	291.04
		For Heated Enclosure, Add	*2,440.23*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0522	EA	72" Length x 45" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure	12,351.85	258.69
		For Heated Enclosure, Add	*1,755.77*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0523	EA	72" Length x 45" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure	13,162.39	258.69
		For Heated Enclosure, Add	*1,877.35*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0524	EA	72" Length x 65" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure	14,889.41	274.87
		For Heated Enclosure, Add	*2,130.34*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0525	EA	72" Length x 65" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure	18,035.54	291.04
		For Heated Enclosure, Add	*2,596.19*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0526	EA	118" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure	15,745.83	291.04
		For Heated Enclosure, Add	*2,252.74*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0527	EA	142" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure	18,911.07	307.20
		For Heated Enclosure, Add	*2,721.46*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0528	EA	118" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure	18,286.10	307.20
		For Heated Enclosure, Add	*2,627.71*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0529	EA	142" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure	21,172.97	323.37
		For Heated Enclosure, Add	*3,054.68*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0530	EA	142" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure	19,576.45	323.37
		For Heated Enclosure, Add	*2,815.20*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0531	EA	172" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure	22,834.49	339.54
		For Heated Enclosure, Add	*3,297.84*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0532	EA	142" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure	22,874.91	355.71
		For Heated Enclosure, Add	*3,297.84*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0533	EA	172" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure	27,104.49	371.88
		For Heated Enclosure, Add	*3,926.22*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	

22 11 19 00-0534 Backflow Valve Expanded Metal Security Cage Enclosures, Powder Coated *(22 11 19 00-0477)*

Note: Excludes concrete pad.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0535	EA	30" Length x 13" Width x 30" Height, Powder Coated, Expanded Metal, Backflow Preventer Caged Enclosures (Armor Budget Kages EKONO303013)	1,057.36	172.47
22 11 19 00-0536	EA	16" Width x 46" Length x 30" Height, Internal Dimensions, Powder Coated Steel, Clamshell Backflow Preventer Enclosures Note: GS-4	1,255.80	172.47
22 11 19 00-0537	EA	16" Width x 64" Length x 30" Height, Internal Dimensions, Powder Coated Steel, Clamshell Backflow Preventer Enclosures Note: GS-4.5	1,905.65	194.02
22 11 19 00-0538	EA	24" Width x 66" Length x 40" Height, Internal Dimensions, Powder Coated Steel, Clamshell Backflow Preventer Enclosures Note: GS-5	3,075.82	194.02
22 11 19 00-0539	EA	24" Width x 80" Length x 40" Height, Internal Dimensions, Powder Coated Steel, Clamshell Backflow Preventer Enclosures Note: GS-4.5	3,679.26	215.58
22 11 19 00-0540	EA	16" Width x 39" Length x 37" Height, Internal Dimensions, Powder Coated Steel, Hinged Backflow Preventer Enclosures Note: GS-M3	2,402.69	172.47

22 11 19 00-0541 Faucets (Hose Bibbs) *(22 11 19)*

22 11 19 00-0542 Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends *(22 11 19 00-0541)*

22 11 19 00-0543	EA	1/2", 125 Lb., Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends	64.71	11.71
22 11 19 00-0544	EA	3/4", 125 Lb., Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends	74.56	12.88
22 11 19 00-0545	EA	3/4" Screwed Ends Vacuum Breaker (Mueller 108-904NL)	19.42	8.78

22 11 19 00-0546 Chrome Plated Brass Hose Valves, Screwed Ends *(22 11 19 00-0541)*

22 11 19 00-0547	EA	3/4" Hose Valve With Screwed Ends (Chicago Faucets #387-CP)	228.04	35.82

22 11 19 00-0548 Antisiphon Freezeless Wall Faucet (Woodford 19CP) *(22 11 19 00-0541)*

22 11 19 00-0549	EA	4" Long, 1/2" Antisiphon Freezeless Wall Faucet	137.92	29.27
22 11 19 00-0550	EA	6" Long, 1/2" Antisiphon Freezeless Wall Faucet	149.56	32.42
22 11 19 00-0551	EA	8" Long, 1/2" Antisiphon Freezeless Wall Faucet	158.28	34.30
22 11 19 00-0552	EA	10" Long, 1/2" Antisiphon Freezeless Wall Faucet	166.98	36.76
22 11 19 00-0553	EA	12" Long, 1/2" Antisiphon Freezeless Wall Faucet	175.80	38.98

22 11 23 Domestic Water Pumps *(22 11)*

22 11 23 13 Domestic Water Packaged Booster Pumps *(22 11 23)*

Note: Includes motor starter and controls.

22 11 23 13-0001 Simplex Domestic Water Packaged Booster Pumps And Tank *(22 11 23 13)*

22 11 23 13-0002	EA	1 HP Simplex Domestic Water Packaged Booster Pump And Tank	16,750.00	344.93
22 11 23 13-0003	EA	1.5 HP Simplex Domestic Water Packaged Booster Pump And Tank	17,288.99	463.50
22 11 23 13-0004	EA	2 HP Simplex Domestic Water Packaged Booster Pump And Tank	17,949.26	582.07
22 11 23 13-0005	EA	3 HP Simplex Domestic Water Packaged Booster Pump And Tank	18,548.88	700.64
22 11 23 13-0006	EA	5 HP Simplex Domestic Water Packaged Booster Pump And Tank	20,482.59	819.21
22 11 23 13-0007	EA	7.5 HP Simplex Domestic Water Packaged Booster Pump And Tank	22,719.49	937.78
22 11 23 13-0008	EA	10 HP Simplex Domestic Water Packaged Booster Pump And Tank	24,228.71	1,056.35

22 11 23 13-0009 Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator *(22 11 23 13)*

22 11 23 13-0010	EA	100 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator Tank	44,560.77	1,402.39
22 11 23 13-0011	EA	200 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator Tank	53,903.17	1,490.04
22 11 23 13-0012	EA	300 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator Tank	63,284.24	1,577.69

22 11 23 13-0013 Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator *(22 11 23 13)*

22 11 23 13-0014	EA	200 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	59,072.73	1,490.04
22 11 23 13-0015	EA	300 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	73,871.23	1,577.69
22 11 23 13-0016	EA	500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	92,058.80	1,752.99
22 11 23 13-0017	EA	750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	116,967.56	1,928.28
22 11 23 13-0018	EA	1,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	141,876.33	2,103.58
22 11 23 13-0019	EA	1,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	165,380.58	2,366.53
22 11 23 13-0020	EA	2,500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	188,884.82	2,629.48
22 11 23 13-0021	EA	3,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	212,389.07	2,892.42
22 11 23 13-0022	EA	5,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	236,112.43	3,243.03

22 11 23 13-0023 Variable Speed Duplex Domestic Water Pressure Booster Skid *(22 11 23 13)*

Note: AB1953 compliant, UL listed and labeled. Includes stainless steel headers with check, isolation, thermal relief valves, and start up support. The standard control package is integrated in a NEMA 1 enclosure and is outfitted with an individual VFD's which are controlled through a HOA and internally programmed PID logic for system control.

22 11 23 13-0024	EA	40 GPM At 40 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-1)	42,917.46	1,562.62
22 11 23 13-0025	EA	40 GPM At 80 To 120 PSI, 80 GPM At 50 To 90 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-2)	44,920.08	1,562.62

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 23 13-0026	EA	80 GPM At 80 PSI, 120 GPM At 40 To 90 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-3)	47,781.59	1,562.62
22 11 23 13-0027	EA	80 GPM At 130 To 150 PSI, 120 GPM At 100 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-4)	51,906.43	1,562.62
22 11 23 13-0028	EA	160 GPM At 40 To 50 PSI, 200 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-5)	48,902.04	1,660.28
22 11 23 13-0029	EA	160 GPM At 60 To 80 PSI, 200 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-6)	52,502.84	1,660.28
22 11 23 13-0030	EA	160 GPM At 90 To 110 PSI, 200 GPM At 80 To 100 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-7)	57,393.07	1,660.28
22 11 23 13-0031	EA	160 To 200 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-8)	61,367.87	1,660.28
22 11 23 13-0032	EA	240 To 280 GPM At 40 To 50 PSI , NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-9)	53,462.38	1,757.95
22 11 23 13-0033	EA	280 To 320 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-10)	57,017.52	1,757.95
22 11 23 13-0034	EA	240 To 320 GPM At 90 To 120 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-11)	64,967.13	1,757.95
22 11 23 13-0035	EA	240 To 320 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-12)	78,309.25	1,757.95
22 11 23 13-0036	EA	360 To 400 GPM At 40 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-13)	56,517.41	1,757.95
22 11 23 13-0037	EA	360 To 400 GPM At 50 To 80 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-14)	63,769.04	1,757.95
22 11 23 13-0038	EA	360 To 400 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-15)	79,731.31	1,757.95
22 11 23 13-0039	EA	360 To 400 GPM At 120 To 140 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-16)	79,270.33	1,757.95
22 11 23 13-0040	EA	440 To 480 GPM At 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-17)	94,618.50	1,953.27
22 11 23 13-0041	EA	440 To 480 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-18)	64,720.50	1,953.27
22 11 23 13-0042	EA	440 To 480 GPM At 60 To 90 PSI, 520 To 600 GPM At 40 To 80 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-19)	79,256.37	1,953.27
22 11 23 13-0043	EA	440 To 480 GPM At 100 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-20)	78,797.57	1,953.27
22 11 23 13-0044	EA	440 To 600 GPM At 100 To 120 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-21)	95,331.71	1,953.27
22 11 23 13-0045	EA	440 To 600 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-22)	115,555.80	1,953.27
22 11 23 13-0046	EA	60 GPM At 40 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-1)	54,467.87	1,562.62

22 11 23 13-0047 Variable Speed Triplex Domestic Water Pressure Booster Skid *(22 11 23 13)*

Note: AB1953 compliant, UL listed and labeled. Includes stainless steel headers with check, isolation, thermal relief valves, and start up support. The standard control package is integrated in a NEMA 1 enclosure and is outfitted with an individual VFD's which are controlled through a HOA and internally programmed PID logic for system control.

22 11 23 13-0048	EA	60 GPM At 80 To 130 PSI, 120 GPM At 50 To 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-2)	54,467.87	1,562.62
22 11 23 13-0049	EA	120 GPM At 100 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-3)	61,030.21	1,562.62
22 11 23 13-0050	EA	60 GPM At 140 To 150 PSI, 120 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-4)	66,692.35	1,562.62
22 11 23 13-0051	EA	180 GPM At 40 To 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-5)	61,274.37	1,660.28
22 11 23 13-0052	EA	180 GPM At 100 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-6)	66,897.37	1,660.28
22 11 23 13-0053	EA	240 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-7)	62,587.71	1,660.28
22 11 23 13-0054	EA	240 GPM At 60 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-8)	67,421.40	1,660.28
22 11 23 13-0055	EA	240 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-9)	74,068.54	1,660.28
22 11 23 13-0056	EA	240 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-10)	79,578.47	1,660.28
22 11 23 13-0057	EA	300 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-11)	63,149.33	1,757.95
22 11 23 13-0058	EA	300 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-12)	67,983.02	1,757.95
22 11 23 13-0059	EA	300 GPM At80 To 100 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-13)	74,627.99	1,757.95
22 11 23 13-0060	EA	300 GPM At 110 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-14)	80,137.92	1,757.95
22 11 23 13-0061	EA	360 GPM At 40 To 60 PSI, 420 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-15)	68,585.33	1,757.95
22 11 23 13-0062	EA	360 GPM At 70 To 80 PSI, 420 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-16)	73,227.68	1,757.95
22 11 23 13-0063	EA	360 GPM At 90 To 130 PSI, 420 GPM At 80 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-17)	84,697.64	1,757.95
22 11 23 13-0064	EA	360 GPM At140 To 150 PSI, 420 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-18)	103,414.87	1,757.95

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 23 13-0065	EA	480 GPM At 40 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-19)	70,021.69	1,953.27
22 11 23 13-0066	EA	480 GPM At 50 To 70 PSI, 520 To 600 GPM At 40 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-20)	74,666.21	1,953.27
22 11 23 13-0067	EA	480 GPM At 80 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-21)	86,136.17	1,953.27
22 11 23 13-0068	EA	480 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-22)	104,851.23	1,953.27
22 11 23 13-0069	EA	540 GPM At 40 PSI, 600 GPM At 40 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-23)	73,913.87	1,953.27
22 11 23 13-0070	EA	540 GPM At 50 To 90 PSI, 600 GPM At 50 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-24)	84,337.94	1,953.27
22 11 23 13-0071	EA	540 GPM At 100 To 110 PSI, 600 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-25)	106,982.14	1,953.27
22 11 23 13-0072	EA	540 GPM At 120 To 130 PSI, 600 GPM At 120 To 130 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-26)	109,176.11	1,953.27
22 11 23 13-0073	EA	540 GPM At 140 To 150 PSI, 600 GPM At 140 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-27)	135,462.43	1,953.27
22 11 23 13-0074	EA	660 GPM At 40 To 50 PSI, 720 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-28)	83,707.69	2,343.93
22 11 23 13-0075	EA	660 GPM At 60 To 90 PSI, 720,780,840,900 GPM At 60 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-29)	100,887.62	2,343.93
22 11 23 13-0076	EA	660, 720, 780 GPM At 100 PSI, 840 To 900 GPM At 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-30)	107,402.13	2,343.93
22 11 23 13-0077	EA	660, 720, 780, 840, 900 GPM At 110 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-31)	129,748.43	2,343.93
22 11 23 13-0078	EA	660, 720, 780, 840, 900 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-32)	161,018.48	2,343.93

22 11 23 23 Domestic-Water In-Line Pumps *(22 11 23)*

22 11 23 23-0001 Bronze In-Line Centrifugal Domestic Water Booster Pumps *(22 11 23 23)*

Note: ODP motor.

22 11 23 23-0002	EA	1/12 HP, 3/4" To 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL30B)	1,155.54	194.02
22 11 23 23-0003	EA	1/6 HP, 3/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL36B)	1,187.80	194.02
22 11 23 23-0004	EA	1/6 HP, 1" To 1-1/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL45B)	1,244.58	197.79
22 11 23 23-0005	EA	1/6 HP, 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL50B)	1,375.01	205.88
22 11 23 23-0006	EA	1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL75B)	2,508.69	213.54
22 11 23 23-0007	EA	1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2AB)	2,680.12	213.54
22 11 23 23-0008	EA	1/4 HP, 2-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2AB)	4,029.46	235.11
22 11 23 23-0009	EA	1/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G LD3 AB)	4,198.21	258.30
22 11 23 23-0010	EA	1/3 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G HD3 AB)	5,090.86	284.18
22 11 23 23-0011	EA	1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB35S)	5,196.93	312.76
22 11 23 23-0012	EA	3/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB37S)	5,682.93	343.50
22 11 23 23-0013	EA	1 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB38S)	8,176.41	378.01
22 11 23 23-0014	EA	1-1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB40S)	9,429.89	396.34

22 11 23 23-0015 Cast Iron In-Line Centrifugal Domestic Water Booster Pumps *(22 11 23 23)*

Note: ODP motor.

22 11 23 23-0016	EA	1/12 HP, 3/4" To 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL30)	1,205.80	194.02
22 11 23 23-0017	EA	1/6 HP, 3/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL36)	2,054.29	194.02
22 11 23 23-0018	EA	1/6 HP, 1" To 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45)	2,062.09	197.79
22 11 23 23-0019	EA	1/6 HP, 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45)	2,097.52	202.10
22 11 23 23-0020	EA	1/6 HP, 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL50)	2,105.05	205.88
22 11 23 23-0021	EA	1/6 HP, 2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL75)	2,143.67	213.54
22 11 23 23-0022	EA	1/4 HP, 2-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2)	2,627.69	235.11
22 11 23 23-0023	EA	1/3 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G HD30)	3,395.69	284.18
22 11 23 23-0024	EA	1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD35S)	3,573.73	312.76
22 11 23 23-0025	EA	3/4 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD37S)	4,177.67	343.50
22 11 23 23-0026	EA	1 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD38S)	5,662.61	378.01
22 11 23 23-0027	EA	1-1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD40S)	6,633.34	396.34
22 11 23 23-0028	EA	2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF)	5,937.79	416.30
22 11 23 23-0029	EA	3 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF)	6,380.03	457.60
22 11 23 23-0030	EA	5 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF)	7,009.28	485.32
22 11 23 23-0031	EA	7-1/2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF)	8,908.36	539.24
22 11 23 23-0032	EA	10 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF)	9,427.48	647.20
22 11 23 23-0033	EA	15 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF)	12,045.94	755.26

22 12 Facility Potable-Water Storage Tanks *(22 10)*

22 12 19 Facility Ground-Mounted, Potable-Water Storage Tanks *(22 12)*

22 12 19 00-0001 Steel, Horizontal, Ground-Mounted Water Tanks *(22 12 19)*

22 12 19 00-0002	EA	5,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank	43,794.26	9,980.84
22 12 19 00-0003	EA	10,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank	49,864.83	9,980.84
22 12 19 00-0004	EA	20,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank	90,161.70	15,402.55
22 12 19 00-0005	EA	35,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank	116,367.51	19,961.67

22 12 19 00-0006 Galvanized Steel, Flat Bottom, Vertical Storage Tanks *(22 12 19)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 12 19 00-0007	EA	5,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank	52,787.69	9,980.84
22 12 19 00-0008	EA	10,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank	73,922.26	9,980.84
22 12 19 00-0009	EA	20,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank	110,107.47	15,402.55
22 12 19 00-0010	EA	35,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank	158,809.87	19,961.67

22 12 23 Facility Indoor Potable-Water Storage Tanks *(22 12)*

22 12 23 13 Facility Steel, Indoor Potable-Water Storage Pressure Tanks *(22 12 23)*

22 12 23 13-0001 Insulated Glass Lined Storage Tank (A.O. Smith TJ, TJV And TJH) *(22 12 23 13)*

22 12 23 13-0002	EA	80 Gallon ASME Rated Tank, 150PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJ-80A)	2,775.13	431.16
22 12 23 13-0003	EA	119 Gallon 150 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-120M)	3,436.58	538.95
22 12 23 13-0004	EA	140 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-140A)	6,462.19	592.85
22 12 23 13-0005	EA	200 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-200A)	7,149.09	646.74
22 12 23 13-0006	EA	250 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-250A)	14,374.39	700.64
22 12 23 13-0007	EA	350 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-350A)	12,341.18	754.53
22 12 23 13-0008	EA	400 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-400A)	21,329.29	808.43
22 12 23 13-0009	EA	500 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-500A)	19,620.83	862.32
22 12 23 13-0010	EA	750 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-750A)	21,321.20	916.22
22 12 23 13-0011	EA	1,000 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-1000A)	25,440.02	970.11

22 12 23 13-0012 Uninsulated Glass Lined Storage Tank (A.O. Smith T) *(22 12 23 13)*

22 12 23 13-0013	EA	80 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-80S)	2,356.40	431.16
22 12 23 13-0014	EA	120 Gallon 150 PSA, Uninsulated, Glass Lined Water Storage Tank (T-120S)	4,615.96	538.95
22 12 23 13-0015	EA	140 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-140A)	5,796.24	592.85
22 12 23 13-0016	EA	200 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200S)	7,190.31	646.74
22 12 23 13-0017	EA	200 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200A)	6,077.69	646.74
22 12 23 13-0018	EA	250 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-250A)	9,488.38	700.64
22 12 23 13-0019	EA	325 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-325A)	10,270.10	754.53
22 12 23 13-0020	EA	350 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350S)	9,764.65	754.53
22 12 23 13-0021	EA	350 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350A)	8,890.31	754.53
22 12 23 13-0022	EA	400 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-400A)	12,231.20	808.43
22 12 23 13-0023	EA	500 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-500A)	13,272.93	862.32
22 12 23 13-0024	EA	750 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-750A)	15,435.04	916.22
22 12 23 13-0025	EA	1,000 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-1000A)	29,183.86	970.11

22 12 23 26 Facility Plastic, Indoor Potable-Water Storage Non-Pressure Tanks *(22 12 23)*

22 12 23 26-0001 Horizontal Non-Pressurized Polyethylene Tanks *(22 12 23 26)*

Note: Excludes excavation and backfill.

22 12 23 26-0002	EA	100 Gallon Horizontal Non-Pressurized Polyethylene Tank	739.61	242.53
		For Saddle Assembly, Add	*829.68*	
22 12 23 26-0003	EA	150 Gallon Horizontal Non-Pressurized Polyethylene Tank	866.54	282.95
		For Saddle Assembly, Add	*829.68*	
22 12 23 26-0004	EA	200 Gallon Horizontal Non-Pressurized Polyethylene Tank	1,029.97	323.37
		For Saddle Assembly, Add	*953.83*	
22 12 23 26-0005	EA	300 Gallon Horizontal Non-Pressurized Polyethylene Tank	1,259.14	363.79
		For Saddle Assembly, Add	*1,438.26*	
22 12 23 26-0006	EA	335 Gallon Horizontal Non-Pressurized Polyethylene Tank	1,515.08	404.22
		For Two Tie Down Bands, Add	*473.57*	
22 12 23 26-0007	EA	535 Gallon Horizontal Non-Pressurized Polyethylene Tank	1,961.02	556.27
		For Two Tie Down Bands, Add	*507.65*	
22 12 23 26-0008	EA	1,035 Gallon Horizontal Non-Pressurized Polyethylene Tank	2,954.35	648.97
		For Three Tie Down Bands, Add	*871.01*	
22 12 23 26-0009	EA	1,335 Gallon Horizontal Non-Pressurized Polyethylene Tank	4,287.36	741.68
		For Three Tie Down Bands, Add	*878.32*	
22 12 23 26-0010	EA	1,635 Gallon Horizontal Non-Pressurized Polyethylene Tank	5,362.78	834.39
		For Four Tie Down Bands, Add	*1,190.56*	
22 12 23 26-0011	EA	2,035 Gallon Horizontal Non-Pressurized Polyethylene Tank	6,288.39	927.10
		For Four Tie Down Bands, Add	*1,687.16*	
22 12 23 26-0012	EA	2,635 Gallon Horizontal Non-Pressurized Polyethylene Tank	9,027.78	1,019.82
		For Four Tie Down Bands, Add	*2,232.44*	
22 12 23 26-0013	EA	3,135 Gallon Horizontal Non-Pressurized Polyethylene Tank	10,465.91	1,112.52
		For Four Tie Down Bands, Add	*2,417.45*	
22 12 23 26-0014	EA	4,035 Gallon Horizontal Non-Pressurized Polyethylene Tank	15,047.78	1,483.37
		For Four Tie Down Bands, Add	*2,738.78*	
22 12 23 26-0015	EA	5,025 Gallon Horizontal Non-Pressurized Polyethylene Tank	19,521.80	1,483.37
		For Five Tie Down Bands, Add	*4,311.99*	

22 12 23 26-0016 Vertical Non-Pressurized Polyethylene Tanks *(22 12 23 26)*

22 12 23 26-0017	EA	100 Gallon Vertical Non-Pressurized Polyethylene Tank	798.72	323.37

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 12 23 26-0018	EA	160 Gallon Vertical Non-Pressurized Polyethylene Tank	969.29	343.59
22 12 23 26-0019	EA	210 Gallon Vertical Non-Pressurized Polyethylene Tank	1,066.83	363.79
22 12 23 26-0020	EA	300 Gallon Vertical Non-Pressurized Polyethylene Tank	1,298.43	404.22
22 12 23 26-0021	EA	405 Gallon Vertical Non-Pressurized Polyethylene Tank	1,476.81	485.06
22 12 23 26-0022	EA	500 Gallon Vertical Non-Pressurized Polyethylene Tank	1,745.27	565.90
22 12 23 26-0023	EA	800 Gallon Vertical Non-Pressurized Polyethylene Tank	2,459.20	741.68
22 12 23 26-0024	EA	1,000 Gallon Vertical Non-Pressurized Polyethylene Tank	3,188.41	927.10
22 12 23 26-0025	EA	2,000 Gallon Vertical Non-Pressurized Polyethylene Tank	4,302.27	1,112.52
22 12 23 26-0026	EA	3,000 Gallon Vertical Non-Pressurized Polyethylene Tank	5,644.92	1,297.94
22 12 23 26-0027	EA	4,000 Gallon Vertical Non-Pressurized Polyethylene Tank	8,358.10	1,483.37
22 12 23 26-0028	EA	5,000 Gallon Vertical Non-Pressurized Polyethylene Tank	11,358.52	1,668.79
22 12 23 26-0029	EA	6,250 Gallon Vertical Non-Pressurized Polyethylene Tank	12,881.32	1,854.20
22 12 23 26-0030	EA	7,000 Gallon Vertical Non-Pressurized Polyethylene Tank	14,194.77	2,039.62
22 12 23 26-0031	EA	8,000 Gallon Vertical Non-Pressurized Polyethylene Tank	16,369.96	2,225.05
22 12 23 26-0032	EA	9,150 Gallon Vertical Non-Pressurized Polyethylene Tank	18,503.77	2,410.47
22 12 23 26-0033	EA	10,500 Gallon Vertical Non-Pressurized Polyethylene Tank	22,950.16	2,595.89
22 12 23 26-0034	EA	12,500 Gallon Vertical Non-Pressurized Polyethylene Tank	27,631.62	2,966.73

22 13 Facility Sanitary Sewerage *(22 10)*

22 13 13 Facility Sanitary Sewers *(22 13)*

22 13 13 00-0001 Fixture Rough-In *(22 13 13)*

Note: Excludes fixture. Not for use when individual component details are available, on remodeling work where partial pipe and fittings are installed or on residential projects. For use on commercial restrooms with multiple toilets, urinals and lavatories. Includes waste and vent pipe and fittings and domestic water supply pipe and fittings. Waste piping is included from fixture outlet tee to floor, vent piping is included from outlet tee within the wall to the ceiling and domestic water supply from ceiling to fixture and stub out with caps. Based on vertical floor to floor of 12'. Use detailed tasks (i.e. individual pipe and fittings, insulation, hangers, etc.) instead of rough-in assembly where possible. See CSI section 22 07 19 00-0000 for insulation, 22 11 16 00-0383 for copper pipe and fittings, 22 13 16 00-0000 for PVC or cast iron sanitary waste and vent pipe and fittings, 23 05 29 00-0000 for hangers.

22 13 13 00-0002 Single Fixture Rough-In, Cast Iron Waste And Vent Pipe *(22 13 13 00-0001)*

Note: Single fixtures have one fixture to one pipe riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.

22 13 13 00-0003	EA	Floor Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	1,065.53
22 13 13 00-0004	EA	Wall Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	1,423.49
22 13 13 00-0005	EA	Tank Type Floor Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	968.01
22 13 13 00-0006	EA	Wall Mounted Urinal, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	629.25
22 13 13 00-0007	EA	Wall Mounted Lavatory, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	741.83
22 13 13 00-0008	EA	Countertop Kitchen Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	943.35
22 13 13 00-0009	EA	Bathtub, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	1,006.18
22 13 13 00-0010	EA	Free Standing Water Cooler, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	607.65
22 13 13 00-0011	EA	Floor Mounted Service Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	968.01
22 13 13 00-0012	EA	Wall Mounted Service Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	994.51
22 13 13 00-0013	EA	Shower, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	940.60
22 13 13 00-0014	EA	Bidet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	1,065.53
22 13 13 00-0015	EA	Floor Mounted Circular Wash Fountain, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	1,670.67
22 13 13 00-0016	EA	Bathtub/Shower, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	1,033.16

22 13 13 00-0017 Double Fixture Rough-In, Cast Iron Waste And Vent Pipe *(22 13 13 00-0001)*

Note: Double fixtures have two "back-to-back" waste connections to one riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.

22 13 13 00-0018	EA	Floor Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	1,389.76
22 13 13 00-0019	EA	Wall Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	1,907.75
22 13 13 00-0020	EA	Tank Type Floor Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	1,199.76
22 13 13 00-0021	EA	Wall Mounted Urinal, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	754.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 13 00-0022	EA	Wall Mounted Lavatory, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	1,009.66	
22 13 13 00-0023	EA	Countertop Kitchen Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	1,070.29	
22 13 13 00-0024	EA	Free Standing Water Cooler, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	712.71	
22 13 13 00-0025	EA	Floor Mounted Service Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	1,210.51	
22 13 13 00-0026	EA	Wall Mounted Service Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	1,049.16	
22 13 13 00-0027	EA	Shower, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower heads and faucets.	1,022.25	
22 13 13 00-0028	EA	Bidet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucets.	1,389.76	
22 13 13 00-0029		**Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe** *(22 13 13 00-0001)* Note: Gang fixtures include multiple fixtures to one pipe riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0030	EA	Floor Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	694.38	
22 13 13 00-0031	EA	Wall Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture, carrier and flush valve.	953.88	
22 13 13 00-0032	EA	Tank Type Floor Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture.	600.41	
22 13 13 00-0033	EA	Wall Mounted Urinal, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture, carrier and flush valve.	377.88	
22 13 13 00-0034	EA	Wall Mounted Lavatory, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	504.84	
22 13 13 00-0035	EA	Countertop Kitchen Sink, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	535.13	
22 13 13 00-0036	EA	Free Standing Water Cooler, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	383.30	
22 13 13 00-0037	EA	Rough-in Service Sink, Floor Mounted, Gang Mounted Fixture Including Cast Iron Waste Pipe And Vent And Copper Domestic Supply, Not Including Fixture Or Faucet Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	604.73	
22 13 13 00-0038	EA	Wall Mounted Service Sink, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	524.59	
22 13 13 00-0039	EA	Shower, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower heads and faucets.	511.65	
22 13 13 00-0040	EA	Bidet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	686.81	
22 13 13 00-0041		**Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe** *(22 13 13 00-0001)* Note: Single fixtures have one fixture to one pipe riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0042	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Floor Mounted, Water Closet Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	633.81	
22 13 13 00-0043	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Water Closet Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	720.37	
22 13 13 00-0044	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Tank Type, Floor Mounted, Water Closet Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	598.07	
22 13 13 00-0045	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Urinal Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	364.41	
22 13 13 00-0046	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Lavatory Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	427.49	
22 13 13 00-0047	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Countertop, Kitchen Sink Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	575.31	
22 13 13 00-0048	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Bathtub Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	587.28	
22 13 13 00-0049	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Free Standing, Water Cooler Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	359.29	
22 13 13 00-0050	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Floor Mounted, Service Sink Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	598.07	
22 13 13 00-0051	EA	Wall Mounted Service Sink, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	632.52	
22 13 13 00-0052	EA	Shower, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	585.25	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 13 00-0053	EA	Bidet, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	633.68	
22 13 13 00-0054	EA	Floor Mounted Circular Wash Fountain, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	980.85	
22 13 13 00-0055	EA	Bathtub/Shower, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	610.86	

22 13 13 00-0056 Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe *(22 13 13 00-0001)*

Note: Double fixtures have two "back-to-back" waste connections to one riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.

22 13 13 00-0057	EA	Floor Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	779.53	
22 13 13 00-0058	EA	Wall Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	944.58	
22 13 13 00-0059	EA	Tank Type Floor Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures.	677.03	
22 13 13 00-0060	EA	Wall Mounted Urinal, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	410.21	
22 13 13 00-0061	EA	Wall Mounted Lavatory, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures, carrier and faucets.	593.93	
22 13 13 00-0062	EA	Countertop Kitchen Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures and faucets.	621.67	
22 13 13 00-0063	EA	Free Standing Water Cooler, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures.	397.66	
22 13 13 00-0064	EA	Floor Mounted Service Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	686.62	
22 13 13 00-0065	EA	Wall Mounted Service Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	652.47	
22 13 13 00-0066	EA	Shower, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	628.41	
22 13 13 00-0067	EA	Bidet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	779.53	

22 13 13 00-0068 Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe *(22 13 13 00-0001)*

Note: Gang fixtures include multiple fixtures to one pipe riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.

22 13 13 00-0069	EA	Floor Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	389.32	
22 13 13 00-0070	EA	Wall Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	471.77	
22 13 13 00-0071	EA	Tank Type Floor Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	338.84	
22 13 13 00-0072	EA	Wall Mounted Urinal, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	205.16	
22 13 13 00-0073	EA	Wall Mounted Lavatory, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	296.94	
22 13 13 00-0074	EA	Countertop Kitchen Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	310.57	
22 13 13 00-0075	EA	Free Standing Water Cooler, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	198.81	
22 13 13 00-0076	EA	Floor Mounted Service Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	343.22	
22 13 13 00-0077	EA	Wall Mounted Service Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	326.27	
22 13 13 00-0078	EA	Shower, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	314.67	
22 13 13 00-0079	EA	Bidet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	382.18	

22 13 16 Sanitary Waste and Vent Piping *(22 13)*

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			MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0001			Cast Iron Soil Pipe Assemblies *(22 13 16)*		
22 13 16 00-0002			Underground Bell And Spigot Cast Iron Soil Pipe Assemblies *(22 13 16 00-0001)* Note: Includes fittings and gaskets. Fittings are assumed every 10'. Excludes excavation, backfill and compaction. Not for use where detail is available.		
22 13 16 00-0003	LF		2" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	34.79	6.79
			For Work In Restricted Working Space, Add	*4.98*	
22 13 16 00-0004	LF		3" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	49.75	10.24
			For Work In Restricted Working Space, Add	*6.76*	
22 13 16 00-0005	LF		4" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	64.56	13.04
			For Work In Restricted Working Space, Add	*8.69*	
22 13 16 00-0006	LF		5" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	76.76	16.47
			For Work In Restricted Working Space, Add	*9.27*	
22 13 16 00-0007	LF		6" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	90.16	17.94
			For Work In Restricted Working Space, Add	*10.29*	
22 13 16 00-0008	LF		8" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	142.91	25.43
			For Work In Restricted Working Space, Add	*14.40*	
22 13 16 00-0009	LF		10" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	210.03	25.43
			For Work In Restricted Working Space, Add	*16.30*	
22 13 16 00-0010			Aboveground No Hub Cast Iron Soil Pipe Assemblies *(22 13 16 00-0001)* Note: Includes fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
22 13 16 00-0011	LF		1-1/2" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	36.60	6.47
			For Work In Restricted Working Space, Add	*5.68*	
22 13 16 00-0012	LF		2" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	38.68	6.90
			For Work In Restricted Working Space, Add	*6.10*	
22 13 16 00-0013	LF		3" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	49.98	10.02
			For Work In Restricted Working Space, Add	*7.48*	
22 13 16 00-0014	LF		4" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	60.21	13.04
			For Work In Restricted Working Space, Add	*8.95*	
22 13 16 00-0015	LF		5" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	80.53	16.15
			For Work In Restricted Working Space, Add	*10.96*	
22 13 16 00-0016	LF		6" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	92.45	17.63
			For Work In Restricted Working Space, Add	*11.95*	
22 13 16 00-0017	LF		8" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	146.32	25.22
			For Work In Restricted Working Space, Add	*16.41*	
22 13 16 00-0018	LF		10" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 20'. Not for use where detail is available.	213.00	28.66
			For Work In Restricted Working Space, Add	*19.08*	
22 13 16 00-0019			Bell And Spigot Cast Iron Soil Pipe And Fittings *(22 13 16)* Note: Service weight. ASTM A74 and CISPI 301 (Fitting Requirements).		
22 13 16 00-0020			Bell And Spigot Cast Iron Pipe *(22 13 16 00-0019)* Note: Excludes excavation, hangers, gaskets, and fittings.		
22 13 16 00-0021	LF		2" Bell And Spigot Cast Iron Pipe	24.82	6.79
			For Extra Heavy Pipe, Add	*6.12*	
			For Above Ground Cast Iron Pipe Installation, Add	*0.51*	
			For Work In Restricted Working Space, Add	*3.08*	
22 13 16 00-0022	LF		3" Bell And Spigot Cast Iron Pipe	36.26	10.24
			For Extra Heavy Pipe, Add	*8.76*	
			For Above Ground Cast Iron Pipe Installation, Add	*0.77*	
			For Work In Restricted Working Space, Add	*4.62*	

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LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0023	LF	4" Bell And Spigot Cast Iron Pipe	46.73	13.04
		For Extra Heavy Pipe, Add	*11.39*	
		For Above Ground Cast Iron Pipe Installation, Add	*0.98*	
		For Work In Restricted Working Space, Add	*5.88*	
22 13 16 00-0024	LF	5" Bell And Spigot Cast Iron Pipe	62.91	16.47
		For Extra Heavy Pipe, Add	*16.08*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.23*	
		For Work In Restricted Working Space, Add	*7.39*	
22 13 16 00-0025	LF	6" Bell And Spigot Cast Iron Pipe	73.49	17.94
		For Extra Heavy Pipe, Add	*19.58*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.34*	
		For Work In Restricted Working Space, Add	*8.06*	
22 13 16 00-0026	LF	8" Bell And Spigot Cast Iron Pipe	110.66	25.43
		For Extra Heavy Pipe, Add	*30.45*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.91*	
		For Work In Restricted Working Space, Add	*11.45*	
22 13 16 00-0027	LF	10" Bell And Spigot Cast Iron Pipe	163.64	28.66
		For Extra Heavy Pipe, Add	*50.70*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.15*	
		For Work In Restricted Working Space, Add	*12.88*	
22 13 16 00-0028	LF	12" Bell And Spigot Cast Iron Pipe	232.60	38.20
		For Extra Heavy Pipe, Add	*73.66*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.86*	
		For Work In Restricted Working Space, Add	*17.17*	
22 13 16 00-0029	LF	15" Bell And Spigot Cast Iron Pipe	325.00	45.82
		For Extra Heavy Pipe, Add	*107.65*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.43*	
		For Work In Restricted Working Space, Add	*20.61*	

22 13 16 00-0030 Bell And Spigot Cast Iron Fittings *(22 13 16 00-0019)*

22 13 16 00-0031 Bell And Spigot Cast Iron Long Sweeps *(22 13 16 00-0030)*

22 13 16 00-0032	EA	2" Bell And Spigot Cast Iron Long Sweep	112.31	30.93
		For Extra Heavy Fittings, Add	*23.08*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.32*	
		For Work In Restricted Working Space, Add	*13.91*	
22 13 16 00-0033	EA	3" Bell And Spigot Cast Iron Long Sweep	192.08	38.91
		For Extra Heavy Fittings, Add	*46.84*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.91*	
		For Work In Restricted Working Space, Add	*17.48*	
22 13 16 00-0034	EA	4" Bell And Spigot Cast Iron Long Sweep	255.91	51.73
		For Extra Heavy Fittings, Add	*62.43*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.88*	
		For Work In Restricted Working Space, Add	*23.27*	
22 13 16 00-0035	EA	6" Bell And Spigot Cast Iron Long Sweep	404.73	69.66
		For Extra Heavy Fittings, Add	*105.11*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.22*	
		For Work In Restricted Working Space, Add	*31.33*	
22 13 16 00-0036	EA	8" Bell And Spigot Cast Iron Long Sweep	803.93	89.50
		For Extra Heavy Fittings, Add	*234.43*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.71*	
		For Work In Restricted Working Space, Add	*40.24*	
22 13 16 00-0037	EA	10" Bell And Spigot Cast Iron Long Sweep	1,100.62	110.10
		For Extra Heavy Fittings, Add	*327.43*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.26*	
		For Work In Restricted Working Space, Add	*49.53*	
22 13 16 00-0038	EA	12" Bell And Spigot Cast Iron Long Sweep	1,688.97	153.67
		For Extra Heavy Fittings, Add	*510.50*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.52*	
		For Work In Restricted Working Space, Add	*69.12*	
22 13 16 00-0039	EA	15" Bell And Spigot Cast Iron Long Sweep	3,141.80	213.99
		For Extra Heavy Fittings, Add	*987.34*	
		For Above Ground Cast Iron Pipe Installation, Add	*16.04*	
		For Work In Restricted Working Space, Add	*96.25*	

22 13 16 00-0040 Bell And Spigot Cast Iron Short Sweeps *(22 13 16 00-0030)*

22 13 16 00-0041	EA	2" Bell And Spigot Cast Iron Short Sweep	94.90	30.93
		For Extra Heavy Fittings, Add	*16.99*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.32*	
		For Work In Restricted Working Space, Add	*13.91*	
22 13 16 00-0042	EA	3" Bell And Spigot Cast Iron Short Sweep	162.86	38.91
		For Extra Heavy Fittings, Add	*36.61*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.91*	
		For Work In Restricted Working Space, Add	*17.48*	
22 13 16 00-0043	EA	4" Bell And Spigot Cast Iron Short Sweep	223.05	51.73
		For Extra Heavy Fittings, Add	*50.93*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.88*	
		For Work In Restricted Working Space, Add	*23.27*	
22 13 16 00-0044	EA	5" Bell And Spigot Cast Iron Short Sweep	340.34	59.22
		For Extra Heavy Fittings, Add	*88.06*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.44*	
		For Work In Restricted Working Space, Add	*26.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0045	EA	6" Bell And Spigot Cast Iron Short Sweep	410.99	69.66
		For Extra Heavy Fittings, Add	*107.30*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.22*	
		For Work In Restricted Working Space, Add	*31.33*	
22 13 16 00-0046	EA	8" Bell And Spigot Cast Iron Short Sweep	677.99	89.50
		For Extra Heavy Fittings, Add	*190.35*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.71*	
		For Work In Restricted Working Space, Add	*40.24*	
22 13 16 00-0047	EA	10" Bell And Spigot Cast Iron Short Sweep	993.16	110.10
		For Extra Heavy Fittings, Add	*289.82*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.26*	
		For Work In Restricted Working Space, Add	*49.53*	
22 13 16 00-0048	EA	12" Bell And Spigot Cast Iron Short Sweep	1,648.89	153.67
		For Extra Heavy Fittings, Add	*496.47*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.52*	
		For Work In Restricted Working Space, Add	*69.12*	

22 13 16 00-0049 Bell And Spigot Cast Iron 1/4 Bends *(22 13 16 00-0030)*

22 13 16 00-0050	EA	2" Bell And Spigot Cast Iron 1/4 Bend	85.03	30.82
		For Extra Heavy Fittings, Add	*13.57*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.31*	
		For Work In Restricted Working Space, Add	*13.88*	
22 13 16 00-0051	EA	3" Bell And Spigot Cast Iron 1/4 Bend	129.54	34.71
		For Extra Heavy Fittings, Add	*27.11*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.60*	
		For Work In Restricted Working Space, Add	*15.62*	
22 13 16 00-0052	EA	4" Bell And Spigot Cast Iron 1/4 Bend	185.59	46.24
		For Extra Heavy Fittings, Add	*40.70*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.47*	
		For Work In Restricted Working Space, Add	*20.79*	
22 13 16 00-0053	EA	5" Bell And Spigot Cast Iron 1/4 Bend	235.41	52.88
		For Extra Heavy Fittings, Add	*54.66*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.96*	
		For Work In Restricted Working Space, Add	*23.77*	
22 13 16 00-0054	EA	6" Bell And Spigot Cast Iron 1/4 Bend	283.17	63.33
		For Extra Heavy Fittings, Add	*65.85*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.75*	
		For Work In Restricted Working Space, Add	*28.51*	
22 13 16 00-0055	EA	8" Bell And Spigot Cast Iron 1/4 Bend	590.39	82.41
		For Extra Heavy Fittings, Add	*163.40*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.18*	
		For Work In Restricted Working Space, Add	*37.06*	
22 13 16 00-0056	EA	10" Bell And Spigot Cast Iron 1/4 Bend	872.26	100.01
		For Extra Heavy Fittings, Add	*252.82*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.50*	
		For Work In Restricted Working Space, Add	*44.98*	
22 13 16 00-0057	EA	12" Bell And Spigot Cast Iron 1/4 Bend	1,151.00	118.05
		For Extra Heavy Fittings, Add	*340.89*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.85*	
		For Work In Restricted Working Space, Add	*53.11*	
22 13 16 00-0058	EA	15" Bell And Spigot Cast Iron 1/4 Bend	2,949.70	186.19
		For Extra Heavy Fittings, Add	*934.71*	
		For Above Ground Cast Iron Pipe Installation, Add	*13.96*	
		For Work In Restricted Working Space, Add	*83.73*	

22 13 16 00-0059 Bell And Spigot Cast Iron 1/8 Bends *(22 13 16 00-0030)*

22 13 16 00-0060	EA	2" Bell And Spigot Cast Iron 1/8 Bend	77.31	30.93
		For Extra Heavy Fittings, Add	*10.83*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.32*	
		For Work In Restricted Working Space, Add	*13.91*	
22 13 16 00-0061	EA	3" Bell And Spigot Cast Iron 1/8 Bend	122.13	38.91
		For Extra Heavy Fittings, Add	*22.35*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.91*	
		For Work In Restricted Working Space, Add	*17.48*	
22 13 16 00-0062	EA	4" Bell And Spigot Cast Iron 1/8 Bend	174.45	51.73
		For Extra Heavy Fittings, Add	*33.92*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.88*	
		For Work In Restricted Working Space, Add	*23.27*	
22 13 16 00-0063	EA	5" Bell And Spigot Cast Iron 1/8 Bend	221.37	66.19
		For Extra Heavy Fittings, Add	*42.77*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.96*	
		For Work In Restricted Working Space, Add	*29.75*	
22 13 16 00-0064	EA	6" Bell And Spigot Cast Iron 1/8 Bend	256.18	73.79
		For Extra Heavy Fittings, Add	*50.93*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.53*	
		For Work In Restricted Working Space, Add	*33.20*	
22 13 16 00-0065	EA	8" Bell And Spigot Cast Iron 1/8 Bend	512.08	98.73
		For Extra Heavy Fittings, Add	*127.42*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.40*	
		For Work In Restricted Working Space, Add	*44.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0066	EA	10" Bell And Spigot Cast Iron 1/8 Bend	717.39	121.80
		For Extra Heavy Fittings, Add	*187.16*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.13*	
		For Work In Restricted Working Space, Add	*54.80*	
22 13 16 00-0067	EA	12" Bell And Spigot Cast Iron 1/8 Bend	1,162.03	157.96
		For Extra Heavy Fittings, Add	*323.84*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.84*	
		For Work In Restricted Working Space, Add	*71.03*	
22 13 16 00-0068	EA	15" Bell And Spigot Cast Iron 1/8 Bend	2,235.36	186.19
		For Extra Heavy Fittings, Add	*684.69*	
		For Above Ground Cast Iron Pipe Installation, Add	*13.96*	
		For Work In Restricted Working Space, Add	*83.73*	
22 13 16 00-0069		**Bell And Spigot Cast Iron Wyes** *(22 13 16 00-0030)*		
22 13 16 00-0070	EA	2" Bell And Spigot Cast Iron Wye	133.41	69.09
		For Extra Heavy Fittings, Add	*10.42*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.18*	
		For Work In Restricted Working Space, Add	*31.09*	
22 13 16 00-0071	EA	3" Bell And Spigot Cast Iron Wye	169.23	75.67
		For Extra Heavy Fittings, Add	*19.52*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.67*	
		For Work In Restricted Working Space, Add	*34.04*	
22 13 16 00-0072	EA	4" Bell And Spigot Cast Iron Wye	222.86	99.17
		For Extra Heavy Fittings, Add	*25.98*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.43*	
		For Work In Restricted Working Space, Add	*44.59*	
22 13 16 00-0073	EA	5" Bell And Spigot Cast Iron Wye	294.48	113.90
		For Extra Heavy Fittings, Add	*43.28*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.54*	
		For Work In Restricted Working Space, Add	*51.24*	
22 13 16 00-0074	EA	6" Bell And Spigot Cast Iron Wye	370.00	135.01
		For Extra Heavy Fittings, Add	*58.65*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.12*	
		For Work In Restricted Working Space, Add	*60.73*	
22 13 16 00-0075	EA	8" Bell And Spigot Cast Iron Wye	681.20	180.29
		For Extra Heavy Fittings, Add	*143.81*	
		For Above Ground Cast Iron Pipe Installation, Add	*13.52*	
		For Work In Restricted Working Space, Add	*81.10*	
22 13 16 00-0076	EA	10" Bell And Spigot Cast Iron Wye	958.78	204.54
		For Extra Heavy Fittings, Add	*228.26*	
		For Above Ground Cast Iron Pipe Installation, Add	*15.33*	
		For Work In Restricted Working Space, Add	*91.98*	
22 13 16 00-0077	EA	12" Bell And Spigot Cast Iron Wye	1,422.44	248.97
		For Extra Heavy Fittings, Add	*367.21*	
		For Above Ground Cast Iron Pipe Installation, Add	*18.66*	
		For Work In Restricted Working Space, Add	*111.98*	
22 13 16 00-0078	EA	15" Bell And Spigot Cast Iron Wye	2,215.34	279.34
		For Extra Heavy Fittings, Add	*628.80*	
		For Above Ground Cast Iron Pipe Installation, Add	*20.94*	
		For Work In Restricted Working Space, Add	*125.63*	
22 13 16 00-0079		**Bell And Spigot Cast Iron Reducing Wyes** *(22 13 16 00-0030)*		
22 13 16 00-0080	EA	3" x 2" Bell And Spigot Cast Iron Reducing Wye	215.39	72.22
		For Extra Heavy Fittings, Add	*37.48*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.42*	
		For Work In Restricted Working Space, Add	*32.49*	
22 13 16 00-0081	EA	4" x 2" Bell And Spigot Cast Iron Reducing Wye	262.00	89.25
		For Extra Heavy Fittings, Add	*44.85*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.69*	
		For Work In Restricted Working Space, Add	*40.16*	
22 13 16 00-0082	EA	4" x 3" Bell And Spigot Cast Iron Reducing Wye	293.25	91.51
		For Extra Heavy Fittings, Add	*54.59*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.86*	
		For Work In Restricted Working Space, Add	*41.18*	
22 13 16 00-0083	EA	6" x 2" Bell And Spigot Cast Iron Reducing Wye	441.25	120.97
		For Extra Heavy Fittings, Add	*90.99*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.06*	
		For Work In Restricted Working Space, Add	*54.38*	
22 13 16 00-0084	EA	6" x 3" Bell And Spigot Cast Iron Reducing Wye	452.75	123.19
		For Extra Heavy Fittings, Add	*93.81*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.24*	
		For Work In Restricted Working Space, Add	*55.42*	
22 13 16 00-0085	EA	6" x 4" Bell And Spigot Cast Iron Reducing Wye	473.74	131.43
		For Extra Heavy Fittings, Add	*96.84*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.85*	
		For Work In Restricted Working Space, Add	*59.12*	
22 13 16 00-0086	EA	8" x 2" Bell And Spigot Cast Iron Reducing Wye	699.54	144.98
		For Extra Heavy Fittings, Add	*168.77*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.87*	
		For Work In Restricted Working Space, Add	*65.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0087	EA	8" x 3" Bell And Spigot Cast Iron Reducing Wye	731.55	147.77
		For Extra Heavy Fittings, Add	*178.52*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.08*	
		For Work In Restricted Working Space, Add	*66.45*	
22 13 16 00-0088	EA	8" x 4" Bell And Spigot Cast Iron Reducing Wye	748.88	154.75
		For Extra Heavy Fittings, Add	*180.90*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.60*	
		For Work In Restricted Working Space, Add	*69.61*	
22 13 16 00-0089	EA	8" x 6" Bell And Spigot Cast Iron Reducing Wye	885.77	172.14
		For Extra Heavy Fittings, Add	*219.68*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.91*	
		For Work In Restricted Working Space, Add	*77.44*	
22 13 16 00-0090	EA	10" x 3" Bell And Spigot Cast Iron Reducing Wye	1,096.66	161.29
		For Extra Heavy Fittings, Add	*299.19*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.09*	
		For Work In Restricted Working Space, Add	*72.55*	
22 13 16 00-0091	EA	10" x 4" Bell And Spigot Cast Iron Reducing Wye	1,140.75	168.38
		For Extra Heavy Fittings, Add	*310.89*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.63*	
		For Work In Restricted Working Space, Add	*75.75*	
22 13 16 00-0092	EA	10" x 6" Bell And Spigot Cast Iron Reducing Wye	1,247.83	186.19
		For Extra Heavy Fittings, Add	*339.05*	
		For Above Ground Cast Iron Pipe Installation, Add	*13.96*	
		For Work In Restricted Working Space, Add	*83.73*	
22 13 16 00-0093	EA	10" x 8" Bell And Spigot Cast Iron Reducing Wye	1,654.10	197.46
		For Extra Heavy Fittings, Add	*475.32*	
		For Above Ground Cast Iron Pipe Installation, Add	*14.80*	
		For Work In Restricted Working Space, Add	*88.81*	
22 13 16 00-0094	EA	12" x 4" Bell And Spigot Cast Iron Reducing Wye	1,703.00	197.46
		For Extra Heavy Fittings, Add	*492.44*	
		For Above Ground Cast Iron Pipe Installation, Add	*14.80*	
		For Work In Restricted Working Space, Add	*88.81*	
22 13 16 00-0095	EA	12" x 6" Bell And Spigot Cast Iron Reducing Wye	1,771.73	213.99
		For Extra Heavy Fittings, Add	*507.82*	
		For Above Ground Cast Iron Pipe Installation, Add	*16.04*	
		For Work In Restricted Working Space, Add	*96.25*	
22 13 16 00-0096	EA	12" x 8" Bell And Spigot Cast Iron Reducing Wye	2,082.84	224.61
		For Extra Heavy Fittings, Add	*611.16*	
		For Above Ground Cast Iron Pipe Installation, Add	*16.83*	
		For Work In Restricted Working Space, Add	*101.00*	
22 13 16 00-0097	EA	12" x 10" Bell And Spigot Cast Iron Reducing Wye	2,535.48	231.27
		For Extra Heavy Fittings, Add	*766.06*	
		For Above Ground Cast Iron Pipe Installation, Add	*17.34*	
		For Work In Restricted Working Space, Add	*104.02*	
22 13 16 00-0098	EA	15" x 4" Bell And Spigot Cast Iron Reducing Wye	4,206.75	218.06
		For Extra Heavy Fittings, Add	*1,357.94*	
		For Above Ground Cast Iron Pipe Installation, Add	*16.35*	
		For Work In Restricted Working Space, Add	*98.08*	
22 13 16 00-0099	EA	15" x 6" Bell And Spigot Cast Iron Reducing Wye	4,389.68	235.98
		For Extra Heavy Fittings, Add	*1,412.53*	
		For Above Ground Cast Iron Pipe Installation, Add	*17.69*	
		For Work In Restricted Working Space, Add	*106.16*	
22 13 16 00-0100	EA	15" x 8" Bell And Spigot Cast Iron Reducing Wye	4,479.17	246.17
		For Extra Heavy Fittings, Add	*1,438.53*	
		For Above Ground Cast Iron Pipe Installation, Add	*18.45*	
		For Work In Restricted Working Space, Add	*110.73*	
22 13 16 00-0101	EA	15" x 10" Bell And Spigot Cast Iron Reducing Wye	4,583.25	254.55
		For Extra Heavy Fittings, Add	*1,470.59*	
		For Above Ground Cast Iron Pipe Installation, Add	*19.08*	
		For Work In Restricted Working Space, Add	*114.47*	
22 13 16 00-0102	EA	15" x 12" Bell And Spigot Cast Iron Reducing Wye	4,698.36	269.36
		For Extra Heavy Fittings, Add	*1,503.09*	
		For Above Ground Cast Iron Pipe Installation, Add	*20.19*	
		For Work In Restricted Working Space, Add	*121.15*	
22 13 16 00-0103		**Bell And Spigot Cast Iron Combination Wye And 1/8 Bends** *(22 13 16 00-0030)*		
22 13 16 00-0104	EA	2" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	146.16	69.09
		For Extra Heavy Fittings, Add	*14.88*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.18*	
		For Work In Restricted Working Space, Add	*31.09*	
22 13 16 00-0105	EA	3" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	177.09	75.67
		For Extra Heavy Fittings, Add	*22.27*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.67*	
		For Work In Restricted Working Space, Add	*34.04*	
22 13 16 00-0106	EA	4" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	236.54	99.17
		For Extra Heavy Fittings, Add	*30.77*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.43*	
		For Work In Restricted Working Space, Add	*44.59*	
22 13 16 00-0107	EA	5" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	338.36	119.49
		For Extra Heavy Fittings, Add	*55.74*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.95*	
		For Work In Restricted Working Space, Add	*53.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0108	EA	6" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	423.84	148.21
		For Extra Heavy Fittings, Add	*70.58*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.11*	
		For Work In Restricted Working Space, Add	*66.65*	
22 13 16 00-0109	EA	8" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	781.94	194.13
		For Extra Heavy Fittings, Add	*171.82*	
		For Above Ground Cast Iron Pipe Installation, Add	*14.55*	
		For Work In Restricted Working Space, Add	*87.31*	
22 13 16 00-0110	EA	10" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	1,130.54	254.55
		For Extra Heavy Fittings, Add	*262.14*	
		For Above Ground Cast Iron Pipe Installation, Add	*19.08*	
		For Work In Restricted Working Space, Add	*114.47*	
22 13 16 00-0111	EA	12" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	1,516.96	327.20
		For Extra Heavy Fittings, Add	*359.23*	
		For Above Ground Cast Iron Pipe Installation, Add	*24.53*	
		For Work In Restricted Working Space, Add	*147.17*	

22 13 16 00-0112 Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bends *(22 13 16 00-0030)*

22 13 16 00-0113	EA	3" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	156.03	72.22
		For Extra Heavy Fittings, Add	*16.70*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.42*	
		For Work In Restricted Working Space, Add	*32.49*	
22 13 16 00-0114	EA	4" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	221.53	89.25
		For Extra Heavy Fittings, Add	*30.68*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.69*	
		For Work In Restricted Working Space, Add	*40.16*	
22 13 16 00-0115	EA	4" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	239.84	91.51
		For Extra Heavy Fittings, Add	*35.90*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.86*	
		For Work In Restricted Working Space, Add	*41.18*	
22 13 16 00-0116	EA	6" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	364.65	120.97
		For Extra Heavy Fittings, Add	*64.18*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.06*	
		For Work In Restricted Working Space, Add	*54.38*	
22 13 16 00-0117	EA	6" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	380.03	123.19
		For Extra Heavy Fittings, Add	*68.36*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.24*	
		For Work In Restricted Working Space, Add	*55.42*	
22 13 16 00-0118	EA	6" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	402.78	131.43
		For Extra Heavy Fittings, Add	*72.01*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.85*	
		For Work In Restricted Working Space, Add	*59.12*	
22 13 16 00-0119	EA	8" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	557.26	144.98
		For Extra Heavy Fittings, Add	*118.97*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.87*	
		For Work In Restricted Working Space, Add	*65.21*	
22 13 16 00-0120	EA	8" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	571.94	154.75
		For Extra Heavy Fittings, Add	*118.97*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.60*	
		For Work In Restricted Working Space, Add	*69.61*	
22 13 16 00-0121	EA	8" x 6" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	724.75	172.14
		For Extra Heavy Fittings, Add	*163.32*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.91*	
		For Work In Restricted Working Space, Add	*77.44*	

22 13 16 00-0122 Bell And Spigot Cast Iron Double Wyes *(22 13 16 00-0030)*

22 13 16 00-0123	EA	2" Bell And Spigot Cast Iron Double Wye	241.51	82.68
		For Extra Heavy Fittings, Add	*41.16*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.20*	
		For Work In Restricted Working Space, Add	*37.17*	
22 13 16 00-0124	EA	3" Bell And Spigot Cast Iron Double Wye	353.68	104.23
		For Extra Heavy Fittings, Add	*69.11*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.81*	
		For Work In Restricted Working Space, Add	*46.87*	
22 13 16 00-0125	EA	4" Bell And Spigot Cast Iron Double Wye	481.21	131.82
		For Extra Heavy Fittings, Add	*99.23*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.89*	
		For Work In Restricted Working Space, Add	*59.31*	
22 13 16 00-0126	EA	6" Bell And Spigot Cast Iron Double Wye	939.89	207.42
		For Extra Heavy Fittings, Add	*220.11*	
		For Above Ground Cast Iron Pipe Installation, Add	*15.55*	
		For Work In Restricted Working Space, Add	*93.30*	
22 13 16 00-0127	EA	8" Bell And Spigot Cast Iron Double Wye	1,896.09	243.71
		For Extra Heavy Fittings, Add	*535.77*	
		For Above Ground Cast Iron Pipe Installation, Add	*18.27*	
		For Work In Restricted Working Space, Add	*109.60*	
22 13 16 00-0128	EA	10" Bell And Spigot Cast Iron Double Wye	2,517.72	272.68
		For Extra Heavy Fittings, Add	*738.12*	
		For Above Ground Cast Iron Pipe Installation, Add	*20.44*	
		For Work In Restricted Working Space, Add	*122.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0129	EA	12" Bell And Spigot Cast Iron Double Wye	1,732.09	327.20
		For Extra Heavy Fittings, Add	*434.53*	
		For Above Ground Cast Iron Pipe Installation, Add	*24.53*	
		For Work In Restricted Working Space, Add	*147.17*	
22 13 16 00-0130	EA	15" Bell And Spigot Cast Iron Double Wye	4,941.43	343.41
		For Extra Heavy Fittings, Add	*1,549.21*	
		For Above Ground Cast Iron Pipe Installation, Add	*25.76*	
		For Work In Restricted Working Space, Add	*154.54*	

22 13 16 00-0131 Bell And Spigot Cast Iron Reducing Double Wyes *(22 13 16 00-0030)*

22 13 16 00-0132	EA	3" x 2" Bell And Spigot Cast Iron Reducing Double Wye	216.00	97.77
		For Extra Heavy Fittings, Add	*24.29*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.33*	
		For Work In Restricted Working Space, Add	*43.98*	
22 13 16 00-0133	EA	4" x 2" Bell And Spigot Cast Iron Reducing Double Wye	251.18	112.31
		For Extra Heavy Fittings, Add	*28.97*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.42*	
		For Work In Restricted Working Space, Add	*50.53*	
22 13 16 00-0134	EA	4" x 3" Bell And Spigot Cast Iron Reducing Double Wye	272.59	117.81
		For Extra Heavy Fittings, Add	*33.56*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.84*	
		For Work In Restricted Working Space, Add	*53.01*	
22 13 16 00-0135	EA	6" x 2" Bell And Spigot Cast Iron Reducing Double Wye	358.79	143.88
		For Extra Heavy Fittings, Add	*50.09*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.78*	
		For Work In Restricted Working Space, Add	*64.70*	
22 13 16 00-0136	EA	6" x 3" Bell And Spigot Cast Iron Reducing Double Wye	380.64	149.37
		For Extra Heavy Fittings, Add	*54.86*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.20*	
		For Work In Restricted Working Space, Add	*67.17*	
22 13 16 00-0137	EA	6" x 4" Bell And Spigot Cast Iron Reducing Double Wye	438.80	162.88
		For Extra Heavy Fittings, Add	*68.11*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.21*	
		For Work In Restricted Working Space, Add	*73.26*	
22 13 16 00-0138	EA	8" x 4" Bell And Spigot Cast Iron Reducing Double Wye	713.60	187.80
		For Extra Heavy Fittings, Add	*151.24*	
		For Above Ground Cast Iron Pipe Installation, Add	*14.07*	
		For Work In Restricted Working Space, Add	*84.44*	
22 13 16 00-0139	EA	8" x 6" Bell And Spigot Cast Iron Reducing Double Wye	775.48	222.24
		For Extra Heavy Fittings, Add	*154.77*	
		For Above Ground Cast Iron Pipe Installation, Add	*16.66*	
		For Work In Restricted Working Space, Add	*99.98*	
22 13 16 00-0140	EA	10" x 4" Bell And Spigot Cast Iron Reducing Double Wye	760.09	200.89
		For Extra Heavy Fittings, Add	*160.60*	
		For Above Ground Cast Iron Pipe Installation, Add	*15.06*	
		For Work In Restricted Working Space, Add	*90.37*	
22 13 16 00-0141	EA	10" x 6" Bell And Spigot Cast Iron Reducing Double Wye	885.65	235.98
		For Extra Heavy Fittings, Add	*186.12*	
		For Above Ground Cast Iron Pipe Installation, Add	*17.69*	
		For Work In Restricted Working Space, Add	*106.16*	
22 13 16 00-0142	EA	10" x 8" Bell And Spigot Cast Iron Reducing Double Wye	1,094.72	257.23
		For Extra Heavy Fittings, Add	*248.17*	
		For Above Ground Cast Iron Pipe Installation, Add	*19.28*	
		For Work In Restricted Working Space, Add	*115.70*	
22 13 16 00-0143	EA	12" x 6" Bell And Spigot Cast Iron Reducing Double Wye	1,118.14	263.14
		For Extra Heavy Fittings, Add	*253.26*	
		For Above Ground Cast Iron Pipe Installation, Add	*19.73*	
		For Work In Restricted Working Space, Add	*118.36*	
22 13 16 00-0144	EA	12" x 8" Bell And Spigot Cast Iron Reducing Double Wye	1,434.31	286.31
		For Extra Heavy Fittings, Add	*351.77*	
		For Above Ground Cast Iron Pipe Installation, Add	*21.46*	
		For Work In Restricted Working Space, Add	*128.78*	

22 13 16 00-0145 Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bends *(22 13 16 00-0030)*

22 13 16 00-0146	EA	2" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	199.35	82.68
		For Extra Heavy Fittings, Add	*26.41*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.20*	
		For Work In Restricted Working Space, Add	*37.17*	
22 13 16 00-0147	EA	3" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	268.58	110.59
		For Extra Heavy Fittings, Add	*35.96*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.29*	
		For Work In Restricted Working Space, Add	*49.75*	
22 13 16 00-0148	EA	4" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	351.89	138.29
		For Extra Heavy Fittings, Add	*50.61*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.36*	
		For Work In Restricted Working Space, Add	*62.19*	
22 13 16 00-0149	EA	6" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	795.84	231.81
		For Extra Heavy Fittings, Add	*156.89*	
		For Above Ground Cast Iron Pipe Installation, Add	*17.38*	
		For Work In Restricted Working Space, Add	*104.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0150		**Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bends** *(22 13 16 00-0030)*		
22 13 16 00-0151	EA	3" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	267.91	99.17
		For Extra Heavy Fittings, Add	*41.74*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.43*	
		For Work In Restricted Working Space, Add	*44.59*	
22 13 16 00-0152	EA	4" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	318.69	112.31
		For Extra Heavy Fittings, Add	*52.59*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.42*	
		For Work In Restricted Working Space, Add	*50.53*	
22 13 16 00-0153	EA	4" x 3" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	357.95	125.04
		For Extra Heavy Fittings, Add	*59.69*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.37*	
		For Work In Restricted Working Space, Add	*56.22*	
22 13 16 00-0154	EA	6" x 4" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	737.82	172.91
		For Extra Heavy Fittings, Add	*167.49*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.96*	
		For Work In Restricted Working Space, Add	*77.78*	
22 13 16 00-0155		**Bell And Spigot Cast Iron Sanitary Tees** *(22 13 16 00-0030)*		
22 13 16 00-0156	EA	2" Bell And Spigot Cast Iron Sanitary Tee	162.54	69.20
		For Extra Heavy Fittings, Add	*20.58*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.19*	
		For Work In Restricted Working Space, Add	*31.12*	
22 13 16 00-0157	EA	3" Bell And Spigot Cast Iron Sanitary Tee	185.26	75.67
		For Extra Heavy Fittings, Add	*25.13*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.67*	
		For Work In Restricted Working Space, Add	*34.04*	
22 13 16 00-0158	EA	4" Bell And Spigot Cast Iron Sanitary Tee	302.46	92.70
		For Extra Heavy Fittings, Add	*57.19*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.95*	
		For Work In Restricted Working Space, Add	*41.72*	
22 13 16 00-0159	EA	5" Bell And Spigot Cast Iron Sanitary Tee	448.95	105.35
		For Extra Heavy Fittings, Add	*101.82*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.90*	
		For Work In Restricted Working Space, Add	*47.41*	
22 13 16 00-0160	EA	6" Bell And Spigot Cast Iron Sanitary Tee	538.58	126.36
		For Extra Heavy Fittings, Add	*122.19*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.47*	
		For Work In Restricted Working Space, Add	*56.84*	
22 13 16 00-0161	EA	8" Bell And Spigot Cast Iron Sanitary Tee	1,166.18	164.73
		For Extra Heavy Fittings, Add	*321.72*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.35*	
		For Work In Restricted Working Space, Add	*74.09*	
22 13 16 00-0162	EA	10" Bell And Spigot Cast Iron Sanitary Tee	1,757.09	200.89
		For Extra Heavy Fittings, Add	*509.55*	
		For Above Ground Cast Iron Pipe Installation, Add	*15.06*	
		For Work In Restricted Working Space, Add	*90.37*	
22 13 16 00-0163	EA	12" Bell And Spigot Cast Iron Sanitary Tee	2,628.05	235.98
		For Extra Heavy Fittings, Add	*795.96*	
		For Above Ground Cast Iron Pipe Installation, Add	*17.69*	
		For Work In Restricted Working Space, Add	*106.16*	
22 13 16 00-0164		**Bell And Spigot Cast Iron Reducing Sanitary Tees** *(22 13 16 00-0030)*		
22 13 16 00-0165	EA	3" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee	220.97	72.22
		For Extra Heavy Fittings, Add	*39.43*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.42*	
		For Work In Restricted Working Space, Add	*32.49*	
22 13 16 00-0166	EA	4" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee	261.75	84.61
		For Extra Heavy Fittings, Add	*47.23*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.34*	
		For Work In Restricted Working Space, Add	*38.04*	
22 13 16 00-0167	EA	4" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee	274.75	84.61
		For Extra Heavy Fittings, Add	*51.78*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.34*	
		For Work In Restricted Working Space, Add	*38.04*	
22 13 16 00-0168	EA	6" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee	423.92	120.97
		For Extra Heavy Fittings, Add	*84.92*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.06*	
		For Work In Restricted Working Space, Add	*54.38*	
22 13 16 00-0169	EA	6" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee	441.61	123.19
		For Extra Heavy Fittings, Add	*89.91*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.24*	
		For Work In Restricted Working Space, Add	*55.42*	
22 13 16 00-0170	EA	6" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee	479.31	131.43
		For Extra Heavy Fittings, Add	*98.79*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.85*	
		For Work In Restricted Working Space, Add	*59.12*	
22 13 16 00-0171	EA	8" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee	822.54	154.75
		For Extra Heavy Fittings, Add	*206.68*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.60*	
		For Work In Restricted Working Space, Add	*69.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0172	EA	8" x 6" Bell And Spigot Cast Iron Reducing Sanitary Tee	1,034.95	172.14
		For Extra Heavy Fittings, Add	*271.89*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.91*	
		For Work In Restricted Working Space, Add	*77.44*	

22 13 16 00-0173 Bell And Spigot Cast Iron Vent Tees *(22 13 16 00-0030)*

22 13 16 00-0174	EA	2" Bell And Spigot Cast Iron Vent Tee	137.99	69.09
		For Extra Heavy Fittings, Add	*12.02*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.18*	
		For Work In Restricted Working Space, Add	*31.09*	
22 13 16 00-0175	EA	3" Bell And Spigot Cast Iron Vent Tee	173.25	75.67
		For Extra Heavy Fittings, Add	*20.93*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.67*	
		For Work In Restricted Working Space, Add	*34.04*	
22 13 16 00-0176	EA	4" Bell And Spigot Cast Iron Vent Tee	229.67	99.17
		For Extra Heavy Fittings, Add	*28.36*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.43*	
		For Work In Restricted Working Space, Add	*44.59*	
22 13 16 00-0177	EA	5" Bell And Spigot Cast Iron Vent Tee	299.98	119.49
		For Extra Heavy Fittings, Add	*42.31*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.95*	
		For Work In Restricted Working Space, Add	*53.73*	
22 13 16 00-0178	EA	6" Bell And Spigot Cast Iron Vent Tee	377.91	148.21
		For Extra Heavy Fittings, Add	*54.51*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.11*	
		For Work In Restricted Working Space, Add	*66.65*	
22 13 16 00-0179	EA	8" Bell And Spigot Cast Iron Vent Tee	653.44	194.13
		For Extra Heavy Fittings, Add	*126.85*	
		For Above Ground Cast Iron Pipe Installation, Add	*14.55*	
		For Work In Restricted Working Space, Add	*87.31*	

22 13 16 00-0180 Bell And Spigot Cast Iron Tapped Sanitary Tees *(22 13 16 00-0030)*

22 13 16 00-0181	EA	2" Bell And Spigot Cast Iron Tapped Sanitary Tee	142.02	69.09
		For Extra Heavy Fittings, Add	*13.43*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.18*	
		For Work In Restricted Working Space, Add	*31.09*	
22 13 16 00-0182	EA	3" Bell And Spigot Cast Iron Tapped Sanitary Tee	156.85	75.67
		For Extra Heavy Fittings, Add	*15.19*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.67*	
		For Work In Restricted Working Space, Add	*34.04*	
22 13 16 00-0183	EA	4" Bell And Spigot Cast Iron Tapped Sanitary Tee	202.12	99.17
		For Extra Heavy Fittings, Add	*18.72*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.43*	
		For Work In Restricted Working Space, Add	*44.59*	

22 13 16 00-0184 Bell And Spigot Cast Iron Tapped Sanitary Crosses *(22 13 16 00-0030)*

22 13 16 00-0185	EA	2" Bell And Spigot Cast Iron Tapped Sanitary Cross	144.56	69.09
		For Extra Heavy Fittings, Add	*14.32*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.18*	
		For Work In Restricted Working Space, Add	*31.09*	
22 13 16 00-0186	EA	3" Bell And Spigot Cast Iron Tapped Sanitary Cross	161.68	75.67
		For Extra Heavy Fittings, Add	*16.88*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.67*	
		For Work In Restricted Working Space, Add	*34.04*	
22 13 16 00-0187	EA	4" Bell And Spigot Cast Iron Tapped Sanitary Cross	214.25	99.17
		For Extra Heavy Fittings, Add	*22.96*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.43*	
		For Work In Restricted Working Space, Add	*44.59*	

22 13 16 00-0188 Bell And Spigot Cast Iron Reducers *(22 13 16 00-0030)*

22 13 16 00-0189	EA	3" x 2" Bell And Spigot Cast Iron Reducer	79.99	38.91
		For Extra Heavy Fittings, Add	*7.61*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.91*	
		For Work In Restricted Working Space, Add	*17.48*	
22 13 16 00-0190	EA	4" x 2" Bell And Spigot Cast Iron Reducer	99.72	51.31
		For Extra Heavy Fittings, Add	*7.95*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.85*	
		For Work In Restricted Working Space, Add	*23.10*	
22 13 16 00-0191	EA	4" x 3" Bell And Spigot Cast Iron Reducer	107.08	51.73
		For Extra Heavy Fittings, Add	*10.34*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.88*	
		For Work In Restricted Working Space, Add	*23.27*	
22 13 16 00-0192	EA	6" x 2" Bell And Spigot Cast Iron Reducer	138.86	63.97
		For Extra Heavy Fittings, Add	*15.02*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.80*	
		For Work In Restricted Working Space, Add	*28.79*	
22 13 16 00-0193	EA	6" x 3" Bell And Spigot Cast Iron Reducer	145.44	64.82
		For Extra Heavy Fittings, Add	*16.88*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.86*	
		For Work In Restricted Working Space, Add	*29.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0194	EA	6" x 4" Bell And Spigot Cast Iron Reducer	150.18	66.19
		For Extra Heavy Fittings, Add	*17.85*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.96*	
		For Work In Restricted Working Space, Add	*29.75*	
22 13 16 00-0195	EA	8" x 2" Bell And Spigot Cast Iron Reducer	196.40	68.19
		For Extra Heavy Fittings, Add	*32.95*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.11*	
		For Work In Restricted Working Space, Add	*30.68*	
22 13 16 00-0196	EA	8" x 3" Bell And Spigot Cast Iron Reducer	220.47	83.59
		For Extra Heavy Fittings, Add	*33.30*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.27*	
		For Work In Restricted Working Space, Add	*37.60*	
22 13 16 00-0197	EA	8" x 4" Bell And Spigot Cast Iron Reducer	226.28	85.74
		For Extra Heavy Fittings, Add	*34.19*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.43*	
		For Work In Restricted Working Space, Add	*38.58*	
22 13 16 00-0198	EA	8" x 6" Bell And Spigot Cast Iron Reducer	233.61	89.50
		For Extra Heavy Fittings, Add	*34.81*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.71*	
		For Work In Restricted Working Space, Add	*40.24*	
22 13 16 00-0199	EA	10" x 4" Bell And Spigot Cast Iron Reducer	292.99	100.45
		For Extra Heavy Fittings, Add	*49.83*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.53*	
		For Work In Restricted Working Space, Add	*45.19*	
22 13 16 00-0200	EA	10" x 6" Bell And Spigot Cast Iron Reducer	308.95	105.49
		For Extra Heavy Fittings, Add	*52.75*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.91*	
		For Work In Restricted Working Space, Add	*47.47*	
22 13 16 00-0201	EA	10" x 8" Bell And Spigot Cast Iron Reducer	329.44	110.10
		For Extra Heavy Fittings, Add	*57.52*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.26*	
		For Work In Restricted Working Space, Add	*49.53*	
22 13 16 00-0202	EA	12" x 4" Bell And Spigot Cast Iron Reducer	411.29	119.34
		For Extra Heavy Fittings, Add	*81.35*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.94*	
		For Work In Restricted Working Space, Add	*53.66*	
22 13 16 00-0203	EA	12" x 6" Bell And Spigot Cast Iron Reducer	457.98	139.62
		For Extra Heavy Fittings, Add	*87.01*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.47*	
		For Work In Restricted Working Space, Add	*62.82*	
22 13 16 00-0204	EA	12" x 8" Bell And Spigot Cast Iron Reducer	494.42	159.04
		For Extra Heavy Fittings, Add	*89.58*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.92*	
		For Work In Restricted Working Space, Add	*71.54*	
22 13 16 00-0205	EA	12" x 10" Bell And Spigot Cast Iron Reducer	540.68	183.18
		For Extra Heavy Fittings, Add	*93.11*	
		For Above Ground Cast Iron Pipe Installation, Add	*13.73*	
		For Work In Restricted Working Space, Add	*82.39*	
22 13 16 00-0206	EA	15" x 6" Bell And Spigot Cast Iron Reducer	712.82	183.18
		For Extra Heavy Fittings, Add	*153.36*	
		For Above Ground Cast Iron Pipe Installation, Add	*13.73*	
		For Work In Restricted Working Space, Add	*82.39*	
22 13 16 00-0207	EA	15" x 8" Bell And Spigot Cast Iron Reducer	758.18	197.46
		For Extra Heavy Fittings, Add	*161.75*	
		For Above Ground Cast Iron Pipe Installation, Add	*14.80*	
		For Work In Restricted Working Space, Add	*88.81*	
22 13 16 00-0208	EA	15" x 10" Bell And Spigot Cast Iron Reducer	789.18	208.19
		For Extra Heavy Fittings, Add	*166.95*	
		For Above Ground Cast Iron Pipe Installation, Add	*15.61*	
		For Work In Restricted Working Space, Add	*93.66*	
22 13 16 00-0209	EA	15" x 12" Bell And Spigot Cast Iron Reducer	831.26	222.24
		For Extra Heavy Fittings, Add	*174.29*	
		For Above Ground Cast Iron Pipe Installation, Add	*16.66*	
		For Work In Restricted Working Space, Add	*99.98*	

22 13 16 00-0210 Bell And Spigot Cast Iron P-Traps *(22 13 16 00-0030)*

22 13 16 00-0211	EA	2" Bell And Spigot Cast Iron P-Trap	83.50	30.93
		For Extra Heavy Fittings, Add	*13.00*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.32*	
		For Work In Restricted Working Space, Add	*13.91*	
22 13 16 00-0212	EA	3" Bell And Spigot Cast Iron P-Trap	112.30	38.91
		For Extra Heavy Fittings, Add	*18.91*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.91*	
		For Work In Restricted Working Space, Add	*17.48*	
22 13 16 00-0213	EA	4" Bell And Spigot Cast Iron P-Trap	153.25	51.73
		For Extra Heavy Fittings, Add	*26.50*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.88*	
		For Work In Restricted Working Space, Add	*23.27*	
22 13 16 00-0214	EA	5" Bell And Spigot Cast Iron P-Trap	251.05	59.22
		For Extra Heavy Fittings, Add	*56.81*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.44*	
		For Work In Restricted Working Space, Add	*26.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0215	EA	6" Bell And Spigot Cast Iron P-Trap	338.15	69.66
		For Extra Heavy Fittings, Add	*81.81*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.22*	
		For Work In Restricted Working Space, Add	*31.33*	
22 13 16 00-0216	EA	8" Bell And Spigot Cast Iron P-Trap	758.08	89.50
		For Extra Heavy Fittings, Add	*218.38*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.71*	
		For Work In Restricted Working Space, Add	*40.24*	
22 13 16 00-0217	EA	10" Bell And Spigot Cast Iron P-Trap	839.18	110.10
		For Extra Heavy Fittings, Add	*235.93*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.26*	
		For Work In Restricted Working Space, Add	*49.53*	
22 13 16 00-0218		**Bell And Spigot Cast Iron Deep Seal P-Traps** *(22 13 16 00-0030)*		
22 13 16 00-0219	EA	2" Bell And Spigot Cast Iron Deep Seal P-Trap	97.61	30.93
		For Extra Heavy Fittings, Add	*17.94*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.32*	
		For Work In Restricted Working Space, Add	*13.91*	
22 13 16 00-0220	EA	3" Bell And Spigot Cast Iron Deep Seal P-Trap	140.03	38.91
		For Extra Heavy Fittings, Add	*28.62*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.91*	
		For Work In Restricted Working Space, Add	*17.48*	
22 13 16 00-0221	EA	4" Bell And Spigot Cast Iron Deep Seal P-Trap	204.81	51.73
		For Extra Heavy Fittings, Add	*44.54*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.88*	
		For Work In Restricted Working Space, Add	*23.27*	
22 13 16 00-0222	EA	5" Bell And Spigot Cast Iron Deep Seal P-Trap	343.00	66.19
		For Extra Heavy Fittings, Add	*85.34*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.96*	
		For Work In Restricted Working Space, Add	*29.75*	
22 13 16 00-0223	EA	6" Bell And Spigot Cast Iron Deep Seal P-Trap	363.60	73.79
		For Extra Heavy Fittings, Add	*88.52*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.53*	
		For Work In Restricted Working Space, Add	*33.20*	
22 13 16 00-0224		**Bell And Spigot Cast Iron Running Traps With Single Vent** *(22 13 16 00-0030)*		
22 13 16 00-0225	EA	3" x 3" Bell And Spigot Cast Iron Running Trap With Single Vent	224.39	74.70
		For Above Ground Cast Iron Pipe Installation, Add	*5.67*	
		For Work In Restricted Working Space, Add	*34.04*	
22 13 16 00-0226	EA	4" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent	299.65	98.20
		For Above Ground Cast Iron Pipe Installation, Add	*7.43*	
		For Work In Restricted Working Space, Add	*44.59*	
22 13 16 00-0227	EA	5" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent	414.22	114.96
		For Above Ground Cast Iron Pipe Installation, Add	*8.69*	
		For Work In Restricted Working Space, Add	*52.13*	
22 13 16 00-0228	EA	6" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent	844.27	130.26
		For Above Ground Cast Iron Pipe Installation, Add	*9.85*	
		For Work In Restricted Working Space, Add	*59.12*	
22 13 16 00-0229	EA	8" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent	2,801.51	153.03
		For Above Ground Cast Iron Pipe Installation, Add	*11.60*	
		For Work In Restricted Working Space, Add	*69.61*	
22 13 16 00-0230	EA	8" x 6" Bell And Spigot Cast Iron Running Trap With Single Vent	3,032.77	170.74
		For Above Ground Cast Iron Pipe Installation, Add	*12.91*	
		For Work In Restricted Working Space, Add	*77.44*	
22 13 16 00-0231		**Bell And Spigot Cast Running Traps With Double Vent** *(22 13 16 00-0030)*		
22 13 16 00-0232	EA	3" x 3" Bell And Spigot Cast Iron Running Trap With Double Vent	285.83	103.16
		For Above Ground Cast Iron Pipe Installation, Add	*7.81*	
		For Work In Restricted Working Space, Add	*46.87*	
22 13 16 00-0233	EA	4" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent	392.13	130.21
		For Above Ground Cast Iron Pipe Installation, Add	*9.89*	
		For Work In Restricted Working Space, Add	*59.31*	
22 13 16 00-0234	EA	6" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent	939.21	160.98
		For Above Ground Cast Iron Pipe Installation, Add	*12.21*	
		For Work In Restricted Working Space, Add	*73.26*	
22 13 16 00-0235	EA	6" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent	1,088.40	194.86
		For Above Ground Cast Iron Pipe Installation, Add	*14.76*	
		For Work In Restricted Working Space, Add	*88.58*	
22 13 16 00-0236	EA	8" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent	3,014.80	185.54
		For Above Ground Cast Iron Pipe Installation, Add	*14.07*	
		For Work In Restricted Working Space, Add	*84.44*	
22 13 16 00-0237	EA	8" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent	3,306.21	220.32
		For Above Ground Cast Iron Pipe Installation, Add	*16.66*	
		For Work In Restricted Working Space, Add	*99.98*	
22 13 16 00-0238	EA	10" x 8" Bell And Spigot Cast Iron Running Trap With Double Vent	4,402.17	254.23
		For Above Ground Cast Iron Pipe Installation, Add	*19.28*	
		For Work In Restricted Working Space, Add	*115.70*	
22 13 16 00-0239	EA	12" x 10" Bell And Spigot Cast Iron Running Trap With Double Vent	6,100.40	293.93
		For Above Ground Cast Iron Pipe Installation, Add	*22.26*	
		For Work In Restricted Working Space, Add	*133.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0240	EA	15" x 12" Bell And Spigot Cast Iron Running Trap With Double Vent	11,904.86	339.97
		For Above Ground Cast Iron Pipe Installation, Add	*25.77*	
		For Work In Restricted Working Space, Add	*154.59*	

22 13 16 00-0241 Bell And Spigot Cast Iron Scission Joint Fittings *(22 13 16 00-0030)*

22 13 16 00-0242	EA	2" Bell And Spigot Cast Iron Scission Joint Fitting	178.80	
		For Above Ground Cast Iron Pipe Installation, Add	*2.31*	
		For Work In Restricted Working Space, Add	*13.87*	
22 13 16 00-0243	EA	3" Bell And Spigot Cast Iron Scission Joint Fitting	248.09	
		For Above Ground Cast Iron Pipe Installation, Add	*2.60*	
		For Work In Restricted Working Space, Add	*15.59*	
22 13 16 00-0244	EA	4" Bell And Spigot Cast Iron Scission Joint Fitting	285.30	
		For Above Ground Cast Iron Pipe Installation, Add	*3.48*	
		For Work In Restricted Working Space, Add	*20.88*	
22 13 16 00-0245	EA	5" Bell And Spigot Cast Iron Scission Joint Fitting	352.95	
		For Above Ground Cast Iron Pipe Installation, Add	*4.04*	
		For Work In Restricted Working Space, Add	*24.26*	
22 13 16 00-0246	EA	6" Bell And Spigot Cast Iron Scission Joint Fitting	428.69	
		For Above Ground Cast Iron Pipe Installation, Add	*4.88*	
		For Work In Restricted Working Space, Add	*29.30*	
22 13 16 00-0247	EA	8" Bell And Spigot Cast Iron Scission Joint Fitting	819.57	
		For Above Ground Cast Iron Pipe Installation, Add	*6.17*	
		For Work In Restricted Working Space, Add	*37.03*	

22 13 16 00-0248 Cut And Prepare Existing In-Place Cast Iron Pipe *(22 13 16 00-0019)*

Note: For use when connecting pipe to an existing in-place system.

22 13 16 00-0249	EA	2", Cut And Prepare Existing In-Place Cast Iron Pipe	12.88	
		For Above Ground Cast Iron Pipe Installation, Add	*0.64*	
		For Work In Restricted Working Space, Add	*3.86*	
22 13 16 00-0250	EA	3", Cut And Prepare Existing In-Place Cast Iron Pipe	14.05	
		For Above Ground Cast Iron Pipe Installation, Add	*0.70*	
		For Work In Restricted Working Space, Add	*4.22*	
22 13 16 00-0251	EA	4", Cut And Prepare Existing In-Place Cast Iron Pipe	17.56	
		For Above Ground Cast Iron Pipe Installation, Add	*0.88*	
		For Work In Restricted Working Space, Add	*5.27*	
22 13 16 00-0252	EA	6", Cut And Prepare Existing In-Place Cast Iron Pipe	21.07	
		For Above Ground Cast Iron Pipe Installation, Add	*1.05*	
		For Work In Restricted Working Space, Add	*6.32*	
22 13 16 00-0253	EA	8", Cut And Prepare Existing In-Place Cast Iron Pipe	28.09	
		For Above Ground Cast Iron Pipe Installation, Add	*1.40*	
		For Work In Restricted Working Space, Add	*8.43*	
22 13 16 00-0254	EA	10", Cut And Prepare Existing In-Place Cast Iron Pipe	32.77	
		For Above Ground Cast Iron Pipe Installation, Add	*1.64*	
		For Work In Restricted Working Space, Add	*9.83*	
22 13 16 00-0255	EA	12", Cut And Prepare Existing In-Place Cast Iron Pipe	38.63	
		For Above Ground Cast Iron Pipe Installation, Add	*1.93*	
		For Work In Restricted Working Space, Add	*11.59*	
22 13 16 00-0256	EA	15", Cut And Prepare Existing In-Place Cast Iron Pipe	44.48	
		For Above Ground Cast Iron Pipe Installation, Add	*2.22*	
		For Work In Restricted Working Space, Add	*13.34*	

22 13 16 00-0257 Joint Material *(22 13 16 00-0019)*

Note: Labor costs are included in the installation costs for fittings.

22 13 16 00-0258	LB	Lead (1 Lb./Diameter Inch) Joint Material	6.73
22 13 16 00-0259	LB	Oakum (1/8 Lb./Diameter Inch) Joint Material	12.82
22 13 16 00-0260	EA	2" Dual Tite Rubber Gasket	3.32
22 13 16 00-0261	EA	3" Dual Tite Rubber Gasket	4.55
22 13 16 00-0262	EA	4" Dual Tite Rubber Gasket	5.65
22 13 16 00-0263	EA	6" Dual Tite Rubber Gasket	9.38
22 13 16 00-0264	EA	8" Dual Tite Rubber Gasket	20.68
22 13 16 00-0265	EA	10" Dual Tite Rubber Gasket	31.72
22 13 16 00-0266	EA	12" Dual Tite Rubber Gasket	40.40
22 13 16 00-0267	EA	15" Dual Tite Rubber Gasket	47.99

22 13 16 00-0268 No Hub Cast Iron Soil Pipe And Fittings *(22 13 16)*

Note: Service Weight. Excludes hangers.

22 13 16 00-0269 No Hub Cast Iron Pipe *(22 13 16 00-0268)*

Note: Excludes couplings.

22 13 16 00-0270	LF	1-1/2" No Hub Cast Iron Pipe	21.57	6.47
		For Below Ground Installation, Add	*0.49*	
		For Work In Restricted Working Space, Add	*2.91*	
22 13 16 00-0271	LF	2" No Hub Cast Iron Pipe	22.87	6.90
		For Below Ground Installation, Add	*0.52*	
		For Work In Restricted Working Space, Add	*3.13*	
22 13 16 00-0272	LF	3" No Hub Cast Iron Pipe	32.32	10.02
		For Below Ground Installation, Add	*0.75*	
		For Work In Restricted Working Space, Add	*4.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0273	LF	4" No Hub Cast Iron Pipe	41.92	13.04
		For Below Ground Installation, Add	*0.98*	
		For Work In Restricted Working Space, Add	*5.88*	
22 13 16 00-0274	LF	5" No Hub Cast Iron Pipe	55.31	16.15
		For Below Ground Installation, Add	*1.21*	
		For Work In Restricted Working Space, Add	*7.27*	
22 13 16 00-0275	LF	6" No Hub Cast Iron Pipe	64.85	17.63
		For Below Ground Installation, Add	*1.32*	
		For Work In Restricted Working Space, Add	*7.92*	
22 13 16 00-0276	LF	8" No Hub Cast Iron Pipe	99.33	25.22
		For Below Ground Installation, Add	*1.89*	
		For Work In Restricted Working Space, Add	*11.32*	
22 13 16 00-0277	LF	10" No Hub Cast Iron Pipe	145.03	28.66
		For Below Ground Installation, Add	*2.15*	
		For Work In Restricted Working Space, Add	*12.88*	

22 13 16 00-0278 No Hub Cast Iron Fittings *(22 13 16 00-0268)*

22 13 16 00-0279 No Hub Cast Iron Long Sweeps *(22 13 16 00-0278)*

22 13 16 00-0280	EA	1-1/2" No Hub Cast Iron Long Sweep	71.22	29.32
		For Below Ground Installation, Add	*2.20*	
		For Work In Restricted Working Space, Add	*13.20*	
22 13 16 00-0281	EA	2" No Hub Cast Iron Long Sweep	73.77	30.61
		For Below Ground Installation, Add	*2.29*	
		For Work In Restricted Working Space, Add	*13.76*	
22 13 16 00-0282	EA	3" No Hub Cast Iron Long Sweep	87.55	35.03
		For Below Ground Installation, Add	*2.63*	
		For Work In Restricted Working Space, Add	*15.77*	
22 13 16 00-0283	EA	4" No Hub Cast Iron Long Sweep	121.66	46.35
		For Below Ground Installation, Add	*3.48*	
		For Work In Restricted Working Space, Add	*20.86*	
22 13 16 00-0284	EA	5" No Hub Cast Iron Long Sweep	175.86	53.30
		For Below Ground Installation, Add	*3.99*	
		For Work In Restricted Working Space, Add	*23.97*	
22 13 16 00-0285	EA	6" No Hub Cast Iron Long Sweep	208.47	63.55
		For Below Ground Installation, Add	*4.77*	
		For Work In Restricted Working Space, Add	*28.61*	
22 13 16 00-0286	EA	8" No Hub Cast Iron Long Sweep	431.92	81.77
		For Below Ground Installation, Add	*6.13*	
		For Work In Restricted Working Space, Add	*36.79*	

22 13 16 00-0287 No Hub Cast Iron Reducing Long Sweeps *(22 13 16 00-0278)*

22 13 16 00-0288	EA	3" x 2" No Hub Cast Iron Reducing Long Sweep	116.36	35.03
		For Below Ground Installation, Add	*2.63*	
		For Work In Restricted Working Space, Add	*15.77*	
22 13 16 00-0289	EA	4" x 3" No Hub Cast Iron Reducing Long Sweep	176.57	46.35
		For Below Ground Installation, Add	*3.48*	
		For Work In Restricted Working Space, Add	*20.86*	

22 13 16 00-0290 No Hub Cast Iron Short Sweeps *(22 13 16 00-0278)*

22 13 16 00-0291	EA	2" No Hub Cast Iron Short Sweep	67.98	30.61
		For Below Ground Installation, Add	*2.29*	
		For Work In Restricted Working Space, Add	*13.76*	
22 13 16 00-0292	EA	3" No Hub Cast Iron Short Sweep	82.97	35.03
		For Below Ground Installation, Add	*2.63*	
		For Work In Restricted Working Space, Add	*15.77*	
22 13 16 00-0293	EA	4" No Hub Cast Iron Short Sweep	119.26	46.35
		For Below Ground Installation, Add	*3.48*	
		For Work In Restricted Working Space, Add	*20.86*	
22 13 16 00-0294	EA	5" No Hub Cast Iron Short Sweep	176.76	53.30
		For Below Ground Installation, Add	*3.99*	
		For Work In Restricted Working Space, Add	*23.97*	
22 13 16 00-0295	EA	6" No Hub Cast Iron Short Sweep	194.41	63.55
		For Below Ground Installation, Add	*4.77*	
		For Work In Restricted Working Space, Add	*28.61*	
22 13 16 00-0296	EA	8" No Hub Cast Iron Short Sweep	389.42	81.77
		For Below Ground Installation, Add	*6.13*	
		For Work In Restricted Working Space, Add	*36.79*	
22 13 16 00-0297	EA	10" No Hub Cast Iron Short Sweep	640.96	114.51
		For Below Ground Installation, Add	*8.59*	
		For Work In Restricted Working Space, Add	*51.51*	

22 13 16 00-0298 No Hub Cast Iron 1/4 Bends *(22 13 16 00-0278)*

22 13 16 00-0299	EA	1-1/2" No Hub Cast Iron 1/4 Bend	61.15	29.32
		For Below Ground Installation, Add	*2.20*	
		For Work In Restricted Working Space, Add	*13.20*	
22 13 16 00-0300	EA	2" No Hub Cast Iron 1/4 Bend	64.00	30.61
		For Below Ground Installation, Add	*2.29*	
		For Work In Restricted Working Space, Add	*13.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0301	EA	3" No Hub Cast Iron 1/4 Bend	76.50	35.03
		For Below Ground Installation, Add	*2.63*	
		For Work In Restricted Working Space, Add	*15.77*	
22 13 16 00-0302	EA	4" No Hub Cast Iron 1/4 Bend	104.97	46.35
		For Below Ground Installation, Add	*3.48*	
		For Work In Restricted Working Space, Add	*20.86*	
22 13 16 00-0303	EA	5" No Hub Cast Iron 1/4 Bend	159.01	53.30
		For Below Ground Installation, Add	*3.99*	
		For Work In Restricted Working Space, Add	*23.97*	
22 13 16 00-0304	EA	6" No Hub Cast Iron 1/4 Bend	183.05	63.55
		For Below Ground Installation, Add	*4.77*	
		For Work In Restricted Working Space, Add	*28.61*	
22 13 16 00-0305	EA	8" No Hub Cast Iron 1/4 Bend	356.33	81.77
		For Below Ground Installation, Add	*6.13*	
		For Work In Restricted Working Space, Add	*36.79*	

22 13 16 00-0306 No Hub Cast Iron 1/8 Bends *(22 13 16 00-0278)*

22 13 16 00-0307	EA	1-1/2" No Hub Cast Iron 1/8 Bend	57.46	29.32
		For Below Ground Installation, Add	*2.20*	
		For Work In Restricted Working Space, Add	*13.20*	
22 13 16 00-0308	EA	2" No Hub Cast Iron 1/8 Bend	59.63	30.61
		For Below Ground Installation, Add	*2.29*	
		For Work In Restricted Working Space, Add	*13.76*	
22 13 16 00-0309	EA	3" No Hub Cast Iron 1/8 Bend	72.21	35.03
		For Below Ground Installation, Add	*2.63*	
		For Work In Restricted Working Space, Add	*15.77*	
22 13 16 00-0310	EA	4" No Hub Cast Iron 1/8 Bend	95.34	46.35
		For Below Ground Installation, Add	*3.48*	
		For Work In Restricted Working Space, Add	*20.86*	
22 13 16 00-0311	EA	6" No Hub Cast Iron 1/8 Bend	161.54	68.45
		For Below Ground Installation, Add	*5.13*	
		For Work In Restricted Working Space, Add	*30.80*	
22 13 16 00-0312	EA	8" No Hub Cast Iron 1/8 Bend	291.48	89.90
		For Below Ground Installation, Add	*6.74*	
		For Work In Restricted Working Space, Add	*40.42*	
22 13 16 00-0313	EA	10" No Hub Cast Iron 1/8 Bend	461.49	110.59
		For Below Ground Installation, Add	*8.29*	
		For Work In Restricted Working Space, Add	*49.75*	

22 13 16 00-0314 No Hub Cast Iron Wyes *(22 13 16 00-0278)*

22 13 16 00-0315	EA	1-1/2" No Hub Cast Iron Wye	93.02	46.13
		For Below Ground Installation, Add	*3.46*	
		For Work In Restricted Working Space, Add	*20.73*	
22 13 16 00-0316	EA	2" No Hub Cast Iron Wye	117.95	62.52
		For Below Ground Installation, Add	*4.69*	
		For Work In Restricted Working Space, Add	*28.12*	
22 13 16 00-0317	EA	3" No Hub Cast Iron Wye	135.74	68.45
		For Below Ground Installation, Add	*5.13*	
		For Work In Restricted Working Space, Add	*30.80*	
22 13 16 00-0318	EA	4" No Hub Cast Iron Wye	188.44	89.90
		For Below Ground Installation, Add	*6.74*	
		For Work In Restricted Working Space, Add	*40.42*	
22 13 16 00-0319	EA	5" No Hub Cast Iron Wye	271.76	103.77
		For Below Ground Installation, Add	*7.78*	
		For Work In Restricted Working Space, Add	*46.67*	
22 13 16 00-0320	EA	6" No Hub Cast Iron Wye	322.45	123.19
		For Below Ground Installation, Add	*9.24*	
		For Work In Restricted Working Space, Add	*55.42*	
22 13 16 00-0321	EA	8" No Hub Cast Iron Wye	568.86	163.66
		For Below Ground Installation, Add	*12.26*	
		For Work In Restricted Working Space, Add	*73.59*	
22 13 16 00-0322	EA	10" No Hub Cast Iron Wye	973.15	181.79
		For Below Ground Installation, Add	*13.63*	
		For Work In Restricted Working Space, Add	*81.76*	

22 13 16 00-0323 No Hub Cast Iron Reducing Wyes *(22 13 16 00-0278)*

22 13 16 00-0324	EA	3" x 1-1/2" No Hub Cast Iron Reducing Wye	115.56	59.71
		For Below Ground Installation, Add	*4.47*	
		For Work In Restricted Working Space, Add	*26.84*	
22 13 16 00-0325	EA	3" x 2" No Hub Cast Iron Reducing Wye	128.75	68.45
		For Below Ground Installation, Add	*5.13*	
		For Work In Restricted Working Space, Add	*30.80*	
22 13 16 00-0326	EA	4" x 2" No Hub Cast Iron Reducing Wye	146.85	75.67
		For Below Ground Installation, Add	*5.67*	
		For Work In Restricted Working Space, Add	*34.04*	
22 13 16 00-0327	EA	4" x 3" No Hub Cast Iron Reducing Wye	170.82	84.08
		For Below Ground Installation, Add	*6.30*	
		For Work In Restricted Working Space, Add	*37.82*	
22 13 16 00-0328	EA	6" x 2" No Hub Cast Iron Reducing Wye	231.46	104.82
		For Below Ground Installation, Add	*7.86*	
		For Work In Restricted Working Space, Add	*47.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0329	EA	6" x 3" No Hub Cast Iron Reducing Wye	247.92	109.57
		For Below Ground Installation, Add	*8.21*	
		For Work In Restricted Working Space, Add	*49.26*	
22 13 16 00-0330	EA	6" x 4" No Hub Cast Iron Reducing Wye	283.61	128.04
		For Below Ground Installation, Add	*9.60*	
		For Work In Restricted Working Space, Add	*57.58*	
22 13 16 00-0331	EA	8" x 4" No Hub Cast Iron Reducing Wye	378.17	128.67
		For Below Ground Installation, Add	*9.65*	
		For Work In Restricted Working Space, Add	*57.88*	
22 13 16 00-0332	EA	8" x 6" No Hub Cast Iron Reducing Wye	440.78	141.44
		For Below Ground Installation, Add	*10.60*	
		For Work In Restricted Working Space, Add	*63.59*	
22 13 16 00-0333	EA	10" x 4" No Hub Cast Iron Reducing Wye	710.44	150.67
		For Below Ground Installation, Add	*11.30*	
		For Work In Restricted Working Space, Add	*67.78*	
22 13 16 00-0334	EA	10" x 6" No Hub Cast Iron Reducing Wye	748.78	161.29
		For Below Ground Installation, Add	*12.09*	
		For Work In Restricted Working Space, Add	*72.55*	
22 13 16 00-0335	EA	10" x 8" No Hub Cast Iron Reducing Wye	866.98	172.24
		For Below Ground Installation, Add	*12.91*	
		For Work In Restricted Working Space, Add	*77.46*	

22 13 16 00-0336 No Hub Cast Iron Combination Wye And 1/8 Bends *(22 13 16 00-0278)*

22 13 16 00-0337	EA	1-1/2" No Hub Cast Iron Combination Wye And 1/8 Bend	104.66	53.68
		For Below Ground Installation, Add	*4.02*	
		For Work In Restricted Working Space, Add	*24.13*	
22 13 16 00-0338	EA	2" No Hub Cast Iron Combination Wye And 1/8 Bend	118.93	62.52
		For Below Ground Installation, Add	*4.69*	
		For Work In Restricted Working Space, Add	*28.12*	
22 13 16 00-0339	EA	3" No Hub Cast Iron Combination Wye And 1/8 Bend	143.11	68.45
		For Below Ground Installation, Add	*5.13*	
		For Work In Restricted Working Space, Add	*30.80*	
22 13 16 00-0340	EA	4" No Hub Cast Iron Combination Wye And 1/8 Bend	209.28	89.90
		For Below Ground Installation, Add	*6.74*	
		For Work In Restricted Working Space, Add	*40.42*	
22 13 16 00-0341	EA	6" No Hub Cast Iron Combination Wye And 1/8 Bend	394.95	138.29
		For Below Ground Installation, Add	*10.36*	
		For Work In Restricted Working Space, Add	*62.19*	
22 13 16 00-0342	EA	8" No Hub Cast Iron Combination Wye And 1/8 Bend	736.85	177.42
		For Below Ground Installation, Add	*13.30*	
		For Work In Restricted Working Space, Add	*79.81*	
22 13 16 00-0343	EA	10" No Hub Cast Iron Combination Wye And 1/8 Bend	862.20	214.50
		For Below Ground Installation, Add	*16.08*	
		For Work In Restricted Working Space, Add	*96.47*	

22 13 16 00-0344 No Hub Cast Iron Reducing Combination Wye And 1/8 Bends *(22 13 16 00-0278)*

22 13 16 00-0345	EA	2" x 1-1/2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	120.13	62.52
		For Below Ground Installation, Add	*4.69*	
		For Work In Restricted Working Space, Add	*28.12*	
22 13 16 00-0346	EA	3" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	132.43	68.45
		For Below Ground Installation, Add	*5.13*	
		For Work In Restricted Working Space, Add	*30.80*	
22 13 16 00-0347	EA	4" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	154.23	75.67
		For Below Ground Installation, Add	*5.67*	
		For Work In Restricted Working Space, Add	*34.04*	
22 13 16 00-0348	EA	4" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	177.97	84.08
		For Below Ground Installation, Add	*6.30*	
		For Work In Restricted Working Space, Add	*37.82*	
22 13 16 00-0349	EA	6" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	252.89	104.82
		For Below Ground Installation, Add	*7.86*	
		For Work In Restricted Working Space, Add	*47.17*	
22 13 16 00-0350	EA	6" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	285.38	109.57
		For Below Ground Installation, Add	*8.21*	
		For Work In Restricted Working Space, Add	*49.26*	
22 13 16 00-0351	EA	6" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	316.41	128.04
		For Below Ground Installation, Add	*9.60*	
		For Work In Restricted Working Space, Add	*57.58*	
22 13 16 00-0352	EA	8" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	439.47	128.67
		For Below Ground Installation, Add	*9.65*	
		For Work In Restricted Working Space, Add	*57.88*	
22 13 16 00-0353	EA	8" x 6" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	580.90	141.44
		For Below Ground Installation, Add	*10.60*	
		For Work In Restricted Working Space, Add	*63.59*	

22 13 16 00-0354 No Hub Cast Iron Double Wyes *(22 13 16 00-0278)*

22 13 16 00-0355	EA	2" No Hub Cast Iron Double Wye	150.30	77.71
		For Below Ground Installation, Add	*5.83*	
		For Work In Restricted Working Space, Add	*34.96*	
22 13 16 00-0356	EA	3" No Hub Cast Iron Double Wye	204.11	94.65
		For Below Ground Installation, Add	*7.09*	
		For Work In Restricted Working Space, Add	*42.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0357	EA	4" No Hub Cast Iron Double Wye	283.25	103.48
		For Below Ground Installation, Add	*7.75*	
		For Work In Restricted Working Space, Add	*46.53*	
22 13 16 00-0358	EA	6" No Hub Cast Iron Double Wye	453.56	155.28
		For Below Ground Installation, Add	*11.64*	
		For Work In Restricted Working Space, Add	*69.82*	
22 13 16 00-0359	EA	8" No Hub Cast Iron Double Wye	910.21	208.19
		For Below Ground Installation, Add	*15.61*	
		For Work In Restricted Working Space, Add	*93.66*	

22 13 16 00-0360 No Hub Cast Iron Reducing Double Wyes *(22 13 16 00-0278)*

22 13 16 00-0361	EA	3" x 2" No Hub Cast Iron Double Wye	182.49	86.12
		For Below Ground Installation, Add	*6.45*	
		For Work In Restricted Working Space, Add	*38.73*	
22 13 16 00-0362	EA	4" x 2" No Hub Cast Iron Double Wye	220.43	99.17
		For Below Ground Installation, Add	*7.43*	
		For Work In Restricted Working Space, Add	*44.60*	
22 13 16 00-0363	EA	4" x 3" No Hub Cast Iron Double Wye	243.02	108.11
		For Below Ground Installation, Add	*8.10*	
		For Work In Restricted Working Space, Add	*48.63*	
22 13 16 00-0364	EA	6" x 4" No Hub Cast Iron Double Wye	384.33	136.91
		For Below Ground Installation, Add	*10.26*	
		For Work In Restricted Working Space, Add	*61.58*	

22 13 16 00-0365 No Hub Cast Iron Double Combination Wye And 1/8 Bends *(22 13 16 00-0278)*

22 13 16 00-0366	EA	2" No Hub Cast Iron Double Combination Wye And 1/8 Bend	199.17	93.35
		For Below Ground Installation, Add	*7.00*	
		For Work In Restricted Working Space, Add	*41.99*	
22 13 16 00-0367	EA	3" No Hub Cast Iron Double Combination Wye And 1/8 Bend	246.77	103.48
		For Below Ground Installation, Add	*7.75*	
		For Work In Restricted Working Space, Add	*46.53*	
22 13 16 00-0368	EA	4" No Hub Cast Iron Double Combination Wye And 1/8 Bend	380.42	137.00
		For Below Ground Installation, Add	*10.27*	
		For Work In Restricted Working Space, Add	*61.60*	
22 13 16 00-0369	EA	6" No Hub Cast Iron Double Combination Wye And 1/8 Bend	521.47	211.48
		For Below Ground Installation, Add	*15.85*	
		For Work In Restricted Working Space, Add	*95.11*	

22 13 16 00-0370 No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bends *(22 13 16 00-0278)*

22 13 16 00-0371	EA	3" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend	189.10	80.30
		For Below Ground Installation, Add	*6.02*	
		For Work In Restricted Working Space, Add	*36.13*	
22 13 16 00-0372	EA	4" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend	219.11	93.35
		For Below Ground Installation, Add	*7.00*	
		For Work In Restricted Working Space, Add	*41.99*	
22 13 16 00-0373	EA	4" x 3" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend	267.90	101.97
		For Below Ground Installation, Add	*7.65*	
		For Work In Restricted Working Space, Add	*45.87*	

22 13 16 00-0374 No Hub Cast Iron Sanitary Tees *(22 13 16 00-0278)*

22 13 16 00-0375	EA	1-1/2" No Hub Cast Iron Sanitary Tee	90.50	45.17
		For Below Ground Installation, Add	*3.39*	
		For Work In Restricted Working Space, Add	*20.34*	
22 13 16 00-0376	EA	2" No Hub Cast Iron Sanitary Tee	119.15	62.52
		For Below Ground Installation, Add	*4.69*	
		For Work In Restricted Working Space, Add	*28.12*	
22 13 16 00-0377	EA	3" No Hub Cast Iron Sanitary Tee	133.04	68.45
		For Below Ground Installation, Add	*5.13*	
		For Work In Restricted Working Space, Add	*30.80*	
22 13 16 00-0378	EA	4" No Hub Cast Iron Sanitary Tee	182.28	89.90
		For Below Ground Installation, Add	*6.74*	
		For Work In Restricted Working Space, Add	*40.42*	
22 13 16 00-0379	EA	5" No Hub Cast Iron Sanitary Tee	273.04	103.77
		For Below Ground Installation, Add	*7.78*	
		For Work In Restricted Working Space, Add	*46.67*	
22 13 16 00-0380	EA	6" No Hub Cast Iron Sanitary Tee	321.54	123.19
		For Below Ground Installation, Add	*9.24*	
		For Work In Restricted Working Space, Add	*55.42*	
22 13 16 00-0381	EA	8" No Hub Cast Iron Sanitary Tee	644.90	163.66
		For Below Ground Installation, Add	*12.26*	
		For Work In Restricted Working Space, Add	*73.59*	

22 13 16 00-0382 No Hub Cast Iron Reducing Sanitary Tees *(22 13 16 00-0278)*

22 13 16 00-0383	EA	2" x 1-1/2" No Hub Cast Iron Reducing Sanitary Tee	101.86	50.99
		For Below Ground Installation, Add	*3.82*	
		For Work In Restricted Working Space, Add	*22.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0384	EA	3" x 1-1/2" No Hub Cast Iron Reducing Sanitary Tee	117.67	59.71
		For Below Ground Installation, Add	*4.47*	
		For Work In Restricted Working Space, Add	*26.84*	
22 13 16 00-0385	EA	3" x 2" No Hub Cast Iron Reducing Sanitary Tee	121.94	62.52
		For Below Ground Installation, Add	*4.69*	
		For Work In Restricted Working Space, Add	*28.12*	
22 13 16 00-0386	EA	3" x 4" No Hub Cast Iron Reducing Sanitary Tee	151.04	62.52
		For Below Ground Installation, Add	*4.69*	
		For Work In Restricted Working Space, Add	*28.12*	
22 13 16 00-0387	EA	4" x 2" No Hub Cast Iron Reducing Sanitary Tee	162.99	84.61
		For Below Ground Installation, Add	*6.34*	
		For Work In Restricted Working Space, Add	*38.04*	
22 13 16 00-0388	EA	4" x 3" No Hub Cast Iron Reducing Sanitary Tee	170.06	84.61
		For Below Ground Installation, Add	*6.34*	
		For Work In Restricted Working Space, Add	*38.04*	
22 13 16 00-0389	EA	5" x 2" No Hub Cast Iron Reducing Sanitary Tee	231.80	98.59
		For Below Ground Installation, Add	*7.39*	
		For Work In Restricted Working Space, Add	*44.34*	
22 13 16 00-0390	EA	5" x 3" No Hub Cast Iron Reducing Sanitary Tee	241.66	98.59
		For Below Ground Installation, Add	*7.39*	
		For Work In Restricted Working Space, Add	*44.34*	
22 13 16 00-0391	EA	5" x 4" No Hub Cast Iron Reducing Sanitary Tee	242.86	98.59
		For Below Ground Installation, Add	*7.39*	
		For Work In Restricted Working Space, Add	*44.34*	
22 13 16 00-0392	EA	6" x 4" No Hub Cast Iron Reducing Sanitary Tee	251.80	102.71
		For Below Ground Installation, Add	*7.70*	
		For Work In Restricted Working Space, Add	*46.19*	
22 13 16 00-0393	EA	8" x 6" No Hub Cast Iron Reducing Sanitary Tee	504.64	138.01
		For Below Ground Installation, Add	*10.34*	
		For Work In Restricted Working Space, Add	*62.06*	

22 13 16 00-0394 No Hub Cast Iron Sanitary Tapped Tees *(22 13 16 00-0278)*

22 13 16 00-0395	EA	2" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee	71.37	30.61
		For Below Ground Installation, Add	*2.29*	
		For Work In Restricted Working Space, Add	*13.76*	
22 13 16 00-0396	EA	3" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee	83.19	35.03
		For Below Ground Installation, Add	*2.63*	
		For Work In Restricted Working Space, Add	*15.77*	
22 13 16 00-0397	EA	4" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee	100.83	46.35
		For Below Ground Installation, Add	*3.48*	
		For Work In Restricted Working Space, Add	*20.86*	

22 13 16 00-0398 No Hub Cast Iron Cleanout Tees *(22 13 16 00-0278)*

22 13 16 00-0399	EA	2" No Hub Cast Iron Cleanout Tee	66.93	30.61
		For Below Ground Installation, Add	*2.29*	
		For Work In Restricted Working Space, Add	*13.76*	
22 13 16 00-0400	EA	3" No Hub Cast Iron Cleanout Tee	86.43	35.03
		For Below Ground Installation, Add	*2.63*	
		For Work In Restricted Working Space, Add	*15.77*	
22 13 16 00-0401	EA	4" No Hub Cast Iron Cleanout Tee	129.03	46.35
		For Below Ground Installation, Add	*3.48*	
		For Work In Restricted Working Space, Add	*20.86*	
22 13 16 00-0402	EA	6" No Hub Cast Iron Cleanout Tee	218.70	68.45
		For Below Ground Installation, Add	*5.13*	
		For Work In Restricted Working Space, Add	*30.80*	

22 13 16 00-0403 No Hub Cast Iron Two-Way Cleanout Tees *(22 13 16 00-0278)*

22 13 16 00-0404	EA	4" No Hub Cast Iron Single Two-Way Cleanout Tee	304.62	89.90
		For Below Ground Installation, Add	*6.74*	
		For Work In Restricted Working Space, Add	*40.42*	
22 13 16 00-0405	EA	4" No Hub Cast Iron Double Two-Way Cleanout Tee	362.55	136.57
		For Below Ground Installation, Add	*10.24*	
		For Work In Restricted Working Space, Add	*61.44*	

22 13 16 00-0406 No Hub Cast Iron Cleanout Plugs *(22 13 16 00-0278)*

22 13 16 00-0407	EA	2" No Hub Cast Iron Cleanout Plug	54.82	30.61
		For Below Ground Installation, Add	*2.29*	
		For Work In Restricted Working Space, Add	*13.76*	
22 13 16 00-0408	EA	3" No Hub Cast Iron Cleanout Plug	66.65	35.03
		For Below Ground Installation, Add	*2.63*	
		For Work In Restricted Working Space, Add	*15.77*	
22 13 16 00-0409	EA	4" No Hub Cast Iron Cleanout Plug	96.24	46.35
		For Below Ground Installation, Add	*3.48*	
		For Work In Restricted Working Space, Add	*20.86*	
22 13 16 00-0410	EA	6" No Hub Cast Iron Cleanout Plug	152.52	68.45
		For Below Ground Installation, Add	*5.13*	
		For Work In Restricted Working Space, Add	*30.80*	
22 13 16 00-0411	EA	8" No Hub Cast Iron Cleanout Plug	203.26	89.90
		For Below Ground Installation, Add	*6.74*	
		For Work In Restricted Working Space, Add	*40.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 13 16 00-0412 No Hub Cast Iron Sanitary Crosses *(22 13 16 00-0278)*

22 13 16 00-0413	EA	1-1/2" No Hub Cast Iron Sanitary Cross	121.27	60.37
		For Below Ground Installation, Add	*4.53*	
		For Work In Restricted Working Space, Add	*27.17*	
22 13 16 00-0414	EA	2" No Hub Cast Iron Sanitary Cross	132.09	62.52
		For Below Ground Installation, Add	*4.69*	
		For Work In Restricted Working Space, Add	*28.12*	
22 13 16 00-0415	EA	3" No Hub Cast Iron Sanitary Cross	163.05	68.45
		For Below Ground Installation, Add	*5.13*	
		For Work In Restricted Working Space, Add	*30.80*	
22 13 16 00-0416	EA	4" No Hub Cast Iron Sanitary Cross	248.24	89.90
		For Below Ground Installation, Add	*6.74*	
		For Work In Restricted Working Space, Add	*40.42*	

22 13 16 00-0417 No Hub Cast Iron Reducing Sanitary Crosses *(22 13 16 00-0278)*

22 13 16 00-0418	EA	3" x 2" No Hub Cast Iron Sanitary Cross	174.72	80.30
		For Below Ground Installation, Add	*6.02*	
		For Work In Restricted Working Space, Add	*36.12*	
22 13 16 00-0419	EA	4" x 2" No Hub Cast Iron Sanitary Cross	200.68	82.68
		For Below Ground Installation, Add	*6.20*	
		For Work In Restricted Working Space, Add	*37.19*	
22 13 16 00-0420	EA	4" x 3" No Hub Cast Iron Sanitary Cross	221.96	86.35
		For Below Ground Installation, Add	*6.47*	
		For Work In Restricted Working Space, Add	*38.81*	

22 13 16 00-0421 No Hub Cast Iron Reducers *(22 13 16 00-0278)*

22 13 16 00-0422	EA	3" x 2" No Hub Cast Iron Reducer	106.59	62.52
		For Below Ground Installation, Add	*4.69*	
		For Work In Restricted Working Space, Add	*28.12*	
22 13 16 00-0423	EA	4" x 2" No Hub Cast Iron Reducer	146.44	84.61
		For Below Ground Installation, Add	*6.34*	
		For Work In Restricted Working Space, Add	*38.04*	
22 13 16 00-0424	EA	4" x 3" No Hub Cast Iron Reducer	147.04	84.61
		For Below Ground Installation, Add	*6.34*	
		For Work In Restricted Working Space, Add	*38.04*	
22 13 16 00-0425	EA	5" x 2" No Hub Cast Iron Reducer	176.60	98.59
		For Below Ground Installation, Add	*7.39*	
		For Work In Restricted Working Space, Add	*44.34*	
22 13 16 00-0426	EA	5" x 3" No Hub Cast Iron Reducer	180.58	98.59
		For Below Ground Installation, Add	*7.39*	
		For Work In Restricted Working Space, Add	*44.34*	
22 13 16 00-0427	EA	5" x 4" No Hub Cast Iron Reducer	182.16	98.59
		For Below Ground Installation, Add	*7.39*	
		For Work In Restricted Working Space, Add	*44.34*	
22 13 16 00-0428	EA	6" x 3" No Hub Cast Iron Reducer	213.93	109.57
		For Below Ground Installation, Add	*8.21*	
		For Work In Restricted Working Space, Add	*49.26*	
22 13 16 00-0429	EA	6" x 4" No Hub Cast Iron Reducer	214.53	109.57
		For Below Ground Installation, Add	*8.21*	
		For Work In Restricted Working Space, Add	*49.26*	
22 13 16 00-0430	EA	6" x 5" No Hub Cast Iron Reducer	216.33	109.57
		For Below Ground Installation, Add	*8.21*	
		For Work In Restricted Working Space, Add	*49.26*	
22 13 16 00-0431	EA	8" x 2" No Hub Cast Iron Reducer	295.20	152.71
		For Below Ground Installation, Add	*11.45*	
		For Work In Restricted Working Space, Add	*68.68*	
22 13 16 00-0432	EA	8" x 3" No Hub Cast Iron Reducer	299.79	152.71
		For Below Ground Installation, Add	*11.45*	
		For Work In Restricted Working Space, Add	*68.68*	
22 13 16 00-0433	EA	8" x 4" No Hub Cast Iron Reducer	307.16	152.71
		For Below Ground Installation, Add	*11.45*	
		For Work In Restricted Working Space, Add	*68.68*	
22 13 16 00-0434	EA	8" x 5" No Hub Cast Iron Reducer	314.83	152.71
		For Below Ground Installation, Add	*11.45*	
		For Work In Restricted Working Space, Add	*68.68*	
22 13 16 00-0435	EA	8" x 6" No Hub Cast Iron Reducer	315.74	152.71
		For Below Ground Installation, Add	*11.45*	
		For Work In Restricted Working Space, Add	*68.68*	
22 13 16 00-0436	EA	10" x 4" No Hub Cast Iron Reducer	383.76	161.08
		For Below Ground Installation, Add	*12.07*	
		For Work In Restricted Working Space, Add	*72.44*	
22 13 16 00-0437	EA	10" x 6" No Hub Cast Iron Reducer	411.64	168.16
		For Below Ground Installation, Add	*12.61*	
		For Work In Restricted Working Space, Add	*75.66*	
22 13 16 00-0438	EA	10" x 8" No Hub Cast Iron Reducer	464.69	182.54
		For Below Ground Installation, Add	*13.68*	
		For Work In Restricted Working Space, Add	*82.10*	

22 13 16 00-0439 No Hub Cast Iron Blind Plugs *(22 13 16 00-0278)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0440	EA	1-1/2" No Hub Cast Iron Blind Plug	29.37	14.67
		For Below Ground Installation, Add	*1.10*	
		For Work In Restricted Working Space, Add	*6.60*	
22 13 16 00-0441	EA	2" No Hub Cast Iron Blind Plug	30.01	15.31
		For Below Ground Installation, Add	*1.15*	
		For Work In Restricted Working Space, Add	*6.88*	
22 13 16 00-0442	EA	3" No Hub Cast Iron Blind Plug	38.85	17.57
		For Below Ground Installation, Add	*1.31*	
		For Work In Restricted Working Space, Add	*7.89*	
22 13 16 00-0443	EA	4" No Hub Cast Iron Blind Plug	51.59	23.18
		For Below Ground Installation, Add	*1.74*	
		For Work In Restricted Working Space, Add	*10.42*	
22 13 16 00-0444	EA	5" No Hub Cast Iron Blind Plug	71.93	27.13
		For Below Ground Installation, Add	*2.03*	
		For Work In Restricted Working Space, Add	*12.19*	
22 13 16 00-0445	EA	6" No Hub Cast Iron Blind Plug	79.30	31.77
		For Below Ground Installation, Add	*2.39*	
		For Work In Restricted Working Space, Add	*14.31*	
22 13 16 00-0446	EA	8" No Hub Cast Iron Blind Plug	160.94	40.88
		For Below Ground Installation, Add	*3.06*	
		For Work In Restricted Working Space, Add	*18.38*	
22 13 16 00-0447	EA	10" No Hub Cast Iron Blind Plug	209.27	44.00
		For Below Ground Installation, Add	*3.30*	
		For Work In Restricted Working Space, Add	*19.80*	

22 13 16 00-0448 No Hub Cast Iron P-Traps *(22 13 16 00-0278)*

22 13 16 00-0449	EA	2" No Hub Cast Iron P-Trap	71.97	30.61
		For Below Ground Installation, Add	*2.29*	
		For Work In Restricted Working Space, Add	*13.76*	
22 13 16 00-0450	EA	3" No Hub Cast Iron P-Trap	112.07	35.03
		For Below Ground Installation, Add	*2.63*	
		For Work In Restricted Working Space, Add	*15.77*	
22 13 16 00-0451	EA	4" No Hub Cast Iron P-Trap	172.88	46.35
		For Below Ground Installation, Add	*3.48*	
		For Work In Restricted Working Space, Add	*20.86*	
22 13 16 00-0452	EA	5" No Hub Cast Iron P-Trap	316.98	53.73
		For Below Ground Installation, Add	*4.03*	
		For Work In Restricted Working Space, Add	*24.15*	
22 13 16 00-0453	EA	6" No Hub Cast Iron P-Trap	332.76	64.07
		For Below Ground Installation, Add	*4.80*	
		For Work In Restricted Working Space, Add	*28.82*	

22 13 16 00-0454 No Hub Cast Iron Deep Seal P-Traps *(22 13 16 00-0278)*

22 13 16 00-0455	EA	2" No Hub Cast Iron Deep Seal P-Trap	120.54	38.91
		For Below Ground Installation, Add	*2.91*	
		For Work In Restricted Working Space, Add	*17.48*	
22 13 16 00-0456	EA	3" No Hub Cast Iron Deep Seal P-Trap	176.91	51.73
		For Below Ground Installation, Add	*3.88*	
		For Work In Restricted Working Space, Add	*23.27*	
22 13 16 00-0457	EA	4" No Hub Cast Iron Deep Seal P-Trap	261.85	68.33
		For Below Ground Installation, Add	*5.12*	
		For Work In Restricted Working Space, Add	*30.72*	

22 13 16 00-0458 No Hub Cast Iron Closet Flanges *(22 13 16 00-0278)*

22 13 16 00-0459	EA	4" No Hub Cast Iron Closet Flange	110.91	46.35
		For Below Ground Installation, Add	*3.48*	
		For Work In Restricted Working Space, Add	*20.86*	
22 13 16 00-0460	EA	4" x 2-1/2" No Hub Cast Iron Offset Closet Flange	119.49	46.35
		For Below Ground Installation, Add	*3.48*	
		For Work In Restricted Working Space, Add	*20.86*	

22 13 16 00-0461 No Hub Cast Iron Closet Bends *(22 13 16 00-0278)*

22 13 16 00-0462	EA	4" x 16" No Hub Cast Iron Closet Bend	231.47	46.35
		For Below Ground Installation, Add	*3.48*	
		For Work In Restricted Working Space, Add	*20.86*	

22 13 16 00-0463 No Hub Cast Iron Threaded Adapter *(22 13 16 00-0278)*

22 13 16 00-0464	EA	1-1/4" No Hub Cast Iron Threaded Adapter	80.67	38.91
		For Below Ground Installation, Add	*2.91*	
		For Work In Restricted Working Space, Add	*17.48*	
22 13 16 00-0465	EA	1-1/2" No Hub Cast Iron Threaded Adapter	87.59	38.91
		For Below Ground Installation, Add	*2.91*	
		For Work In Restricted Working Space, Add	*17.48*	

22 13 16 00-0466 No Hub Couplings *(22 13 16 00-0278)*

Note: Includes stainless steel shield/clamps assembly with elastomeric gasket, ASTM C 564. (Fernco NH). Labor costs are included in the installation costs for fittings.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0467	EA	1-1/2" No Hub Coupling	9.22	
		For Medium Duty (Fernco MD-2000), Add	*1.20*	
		For Heavy-Duty (Fernco HD-4000), Add	*2.49*	
22 13 16 00-0468	EA	2" No Hub Coupling	9.22	
		For Medium Duty (Fernco MD-2000), Add	*1.20*	
		For Heavy-Duty (Fernco HD-4000), Add	*2.49*	
22 13 16 00-0469	EA	3" No Hub Coupling	10.95	
		For Medium Duty (Fernco MD-2000), Add	*1.42*	
		For Heavy-Duty (Fernco HD-4000), Add	*2.96*	
22 13 16 00-0470	EA	4" No Hub Coupling	13.00	
		For Medium Duty (Fernco MD-2000), Add	*1.69*	
		For Heavy-Duty (Fernco HD-4000), Add	*3.51*	
22 13 16 00-0471	EA	5" No Hub Coupling	30.06	
		For Medium Duty (Fernco MD-2000), Add	*3.91*	
		For Heavy-Duty (Fernco HD-4000), Add	*8.12*	
22 13 16 00-0472	EA	6" No Hub Coupling	33.03	
		For Medium Duty (Fernco MD-2000), Add	*4.29*	
		For Heavy-Duty (Fernco HD-4000), Add	*8.92*	
22 13 16 00-0473	EA	8" No Hub Coupling	62.23	
		For Medium Duty (Fernco MD-2000), Add	*8.09*	
		For Heavy-Duty (Fernco HD-4000), Add	*16.80*	
22 13 16 00-0474	EA	10" No Hub Coupling	85.73	
		For Medium Duty (Fernco MD-2000), Add	*11.14*	
		For Heavy-Duty (Fernco HD-4000), Add	*23.15*	
22 13 16 00-0475	EA	2" x 1-1/2" No Hub Reducing Coupling	10.95	
22 13 16 00-0476	EA	3" x 2" No Hub Reducing Coupling	16.98	
22 13 16 00-0477	EA	4" x 2" No Hub Reducing Coupling	23.69	
22 13 16 00-0478	EA	4" x 3" No Hub Reducing Coupling	20.19	

22 13 16 00-0479 Cast Iron Mechanical Joint Couplings With Neoprene Gasket And Bolts *(22 13 16 00-0278)*

Note: For underground connections. Labor costs are included in the installation costs for fittings. See CSI section 22 13 16 00-0870 for additional FERNCO couplings.

22 13 16 00-0480	EA	1-1/2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	49.55	
22 13 16 00-0481	EA	2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	51.14	
22 13 16 00-0482	EA	3" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	53.70	
22 13 16 00-0483	EA	4" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	62.65	
22 13 16 00-0484	EA	5" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	118.27	
22 13 16 00-0485	EA	6" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	162.38	
22 13 16 00-0486	EA	8" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	284.49	
22 13 16 00-0487	EA	10" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	434.73	

22 13 16 00-0488 Cut And Prepare Existing Pipe In-Place *(22 13 16 00-0268)*

Note: For use when connecting pipe to an existing in-place system.

22 13 16 00-0489	EA	Cut And Prepare 1-1/2" Cast Iron Pipe, No Hub	10.53	
		For Work In Restricted Working Space, Add	*3.16*	
22 13 16 00-0490	EA	Cut And Prepare 2" Cast Iron Pipe, No Hub	12.88	
		For Work In Restricted Working Space, Add	*3.86*	
22 13 16 00-0491	EA	Cut And Prepare 3" Cast Iron Pipe, No Hub	14.05	
		For Work In Restricted Working Space, Add	*4.22*	
22 13 16 00-0492	EA	Cut And Prepare 4" Cast Iron Pipe, No Hub	17.56	
		For Work In Restricted Working Space, Add	*5.27*	
22 13 16 00-0493	EA	Cut And Prepare 6" Cast Iron Pipe, No Hub	21.07	
		For Work In Restricted Working Space, Add	*6.32*	
22 13 16 00-0494	EA	Cut And Prepare 8" Cast Iron Pipe, No Hub	28.09	
		For Work In Restricted Working Space, Add	*8.43*	
22 13 16 00-0495	EA	Cut And Prepare 10" Cast Iron Pipe, No Hub	32.78	
		For Work In Restricted Working Space, Add	*9.83*	

22 13 16 00-0496 Copper Drain-Waste-Vent (DWV) Pipe *(22 13 16)*

See CSI section 22 11 16 00-0451 for copper and brass fittings.

22 13 16 00-0497	LF	1-1/4" Hard Drawn DWV Copper Tube/Pipe	18.18	5.06
22 13 16 00-0498	LF	1-1/2" Hard Drawn DWV Copper Tube/Pipe	21.77	5.66
22 13 16 00-0499	LF	2" Hard Drawn DWV Copper Tube/Pipe	28.08	6.98
22 13 16 00-0500	LF	3" Hard Drawn DWV Copper Tube/Pipe	59.71	9.67
22 13 16 00-0501	LF	4" Hard Drawn DWV Copper Tube/Pipe	84.34	10.91
22 13 16 00-0502	LF	5" Hard Drawn DWV Copper Tube/Pipe	168.96	12.52
22 13 16 00-0503	LF	6" Hard Drawn DWV Copper Tube/Pipe	240.43	19.41

22 13 16 00-0504 Polyvinyl Chloride (PVC) Drain-Waste-Vent (DWV) Pipe And Fittings *(22 13 16)*

Note: Aboveground installation. See CSI section 33 31 11 00-0018 for underground installation.

22 13 16 00-0505 Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies *(22 13 16 00-0504)*

22 13 16 00-0506 Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies *(22 13 16 00-0505)*

Note: Includes all fittings. Fittings are assumed every 20'. Excludes excavation, backfill and compaction. Not for use where detail is available.Not for use where detail is available.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0507	LF	1-1/2" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	13.02	
		For Work In Restricted Working Space, Add	*2.53*	
22 13 16 00-0508	LF	2" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	15.56	
		For Work In Restricted Working Space, Add	*3.07*	
22 13 16 00-0509	LF	3" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	25.87	
		For Work In Restricted Working Space, Add	*4.34*	
22 13 16 00-0510	LF	4" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	33.82	
		For Work In Restricted Working Space, Add	*4.79*	
22 13 16 00-0511	LF	6" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	62.71	
		For Work In Restricted Working Space, Add	*6.17*	
22 13 16 00-0512	LF	8" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	89.93	
		For Work In Restricted Working Space, Add	*8.24*	
22 13 16 00-0513	LF	10" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	130.72	
		For Work In Restricted Working Space, Add	*10.98*	
22 13 16 00-0514		**Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies** *(22 13 16 00-0505)* Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.		
22 13 16 00-0515	LF	1-1/2" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	26.44	4.52
		For Work In Restricted Working Space, Add	*5.19*	
22 13 16 00-0516	LF	2" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	29.62	5.39
		For Work In Restricted Working Space, Add	*5.77*	
22 13 16 00-0517	LF	3" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	42.34	7.76
		For Work In Restricted Working Space, Add	*7.17*	
22 13 16 00-0518	LF	4" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	54.10	8.41
		For Work In Restricted Working Space, Add	*7.83*	
22 13 16 00-0519	LF	6" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	86.02	10.78
		For Work In Restricted Working Space, Add	*10.03*	
22 13 16 00-0520	LF	8" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	114.34	14.33
		For Work In Restricted Working Space, Add	*11.49*	
22 13 16 00-0521	LF	10" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	160.62	19.19
		For Work In Restricted Working Space, Add	*14.98*	
22 13 16 00-0522		**Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe** *(22 13 16 00-0504)* Note: Excludes fittings or hangers.		
22 13 16 00-0523		**Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe (ASTM D-2665)** *(22 13 16 00-0522)* Note: Excludes fittings or hangers.		
22 13 16 00-0524	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	9.77	4.52
		For Work In Restricted Working Space, Add	*2.02*	
22 13 16 00-0525	LF	2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	12.05	5.39
		For Work In Restricted Working Space, Add	*2.42*	
22 13 16 00-0526	LF	3" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	19.54	7.76
		For Work In Restricted Working Space, Add	*3.48*	
22 13 16 00-0527	LF	4" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	23.78	8.41
		For Work In Restricted Working Space, Add	*3.77*	
22 13 16 00-0528	LF	6" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	35.83	10.55
		For Work In Restricted Working Space, Add	*4.74*	
22 13 16 00-0529	LF	8" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	51.47	14.04
		For Work In Restricted Working Space, Add	*6.33*	
22 13 16 00-0530	LF	10" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	74.66	18.79
		For Work In Restricted Working Space, Add	*8.45*	

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LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0531		**Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe (ASTM F-891)** *(22 13 16 00-0522)*		
		Note: Excludes fittings or hangers.		
22 13 16 00-0532	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	8.86	4.52
		For Work In Restricted Working Space, Add	*2.02*	
22 13 16 00-0533	LF	2" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	10.98	5.39
		For Work In Restricted Working Space, Add	*2.42*	
22 13 16 00-0534	LF	3" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	17.51	7.76
		For Work In Restricted Working Space, Add	*3.48*	
22 13 16 00-0535	LF	4" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	21.10	8.41
		For Work In Restricted Working Space, Add	*3.77*	
22 13 16 00-0536	LF	6" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	30.83	10.55
		For Work In Restricted Working Space, Add	*4.74*	
22 13 16 00-0537	LF	8" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	44.44	14.04
		For Work In Restricted Working Space, Add	*6.33*	
22 13 16 00-0538	LF	10" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	67.01	18.79
		For Work In Restricted Working Space, Add	*8.45*	
22 13 16 00-0539		**Polyvinyl Chloride (PVC) DWV Fittings (ASTM D-2665)** *(22 13 16 00-0504)*		
22 13 16 00-0540		**Polyvinyl Chloride (PVC) DWV 1/4 Bends** *(22 13 16 00-0539)*		
22 13 16 00-0541	EA	1-1/2" Polyvinyl Chloride (PVC) DWV 1/4 Bends	35.62	18.00
		For Work In Restricted Working Space, Add	*8.09*	
22 13 16 00-0542	EA	2" Polyvinyl Chloride (PVC) DWV 1/4 Bends	45.50	22.96
		For Work In Restricted Working Space, Add	*10.35*	
22 13 16 00-0543	EA	3" Polyvinyl Chloride (PVC) DWV 1/4 Bends	80.54	30.82
		For Work In Restricted Working Space, Add	*13.91*	
22 13 16 00-0544	EA	4" Polyvinyl Chloride (PVC) DWV 1/4 Bends	126.45	35.89
		For Work In Restricted Working Space, Add	*16.17*	
22 13 16 00-0545	EA	6" Polyvinyl Chloride (PVC) DWV 1/4 Bends	511.54	46.68
		For Work In Restricted Working Space, Add	*21.02*	
22 13 16 00-0546	EA	8" Polyvinyl Chloride (PVC) DWV 1/4 Bends	850.51	62.85
		For Work In Restricted Working Space, Add	*28.29*	
22 13 16 00-0547	EA	10" Polyvinyl Chloride (PVC) DWV 1/4 Bends	1,122.74	83.76
		For Work In Restricted Working Space, Add	*37.73*	
22 13 16 00-0548		**Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends** *(22 13 16 00-0539)*		
22 13 16 00-0549	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	59.97	18.00
		For Work In Restricted Working Space, Add	*8.09*	
22 13 16 00-0550	EA	2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	59.51	22.96
		For Work In Restricted Working Space, Add	*10.35*	
22 13 16 00-0551	EA	3" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	116.56	30.82
		For Work In Restricted Working Space, Add	*13.91*	
22 13 16 00-0552	EA	4" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	192.50	35.89
		For Work In Restricted Working Space, Add	*16.17*	
22 13 16 00-0553	EA	6" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	383.96	46.68
		For Work In Restricted Working Space, Add	*21.02*	
22 13 16 00-0554	EA	8" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	682.85	62.85
		For Work In Restricted Working Space, Add	*28.29*	
22 13 16 00-0555	EA	10" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	1,119.73	83.76
		For Work In Restricted Working Space, Add	*37.73*	
22 13 16 00-0556		**Polyvinyl Chloride (PVC) DWV 1/8 Bends** *(22 13 16 00-0539)*		
22 13 16 00-0557	EA	1-1/2" Polyvinyl Chloride (PVC) DWV 1/8 Bends	37.62	18.00
		For Work In Restricted Working Space, Add	*8.09*	
22 13 16 00-0558	EA	2" Polyvinyl Chloride (PVC) DWV 1/8 Bends	45.33	22.96
		For Work In Restricted Working Space, Add	*10.35*	
22 13 16 00-0559	EA	3" Polyvinyl Chloride (PVC) DWV 1/8 Bends	77.54	30.82
		For Work In Restricted Working Space, Add	*13.91*	
22 13 16 00-0560	EA	4" Polyvinyl Chloride (PVC) DWV 1/8 Bends	111.77	35.89
		For Work In Restricted Working Space, Add	*16.17*	
22 13 16 00-0561	EA	6" Polyvinyl Chloride (PVC) DWV 1/8 Bends	474.18	46.68
		For Work In Restricted Working Space, Add	*21.02*	
22 13 16 00-0562	EA	8" Polyvinyl Chloride (PVC) DWV 1/8 Bends	763.68	62.85
		For Work In Restricted Working Space, Add	*28.29*	
22 13 16 00-0563	EA	10" Polyvinyl Chloride (PVC) DWV 1/8 Bends	867.31	83.76
		For Work In Restricted Working Space, Add	*37.73*	
22 13 16 00-0564		**Polyvinyl Chloride (PVC) DWV Sanitary Tees** *(22 13 16 00-0539)*		
22 13 16 00-0565	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Sanitary Tees	55.93	26.95
		For Work In Restricted Working Space, Add	*12.13*	
22 13 16 00-0566	EA	2" Polyvinyl Chloride (PVC) DWV Sanitary Tees	73.91	34.49
		For Work In Restricted Working Space, Add	*15.52*	
22 13 16 00-0567	EA	3" Polyvinyl Chloride (PVC) DWV Sanitary Tees	128.56	46.35
		For Work In Restricted Working Space, Add	*20.86*	
22 13 16 00-0568	EA	4" Polyvinyl Chloride (PVC) DWV Sanitary Tees	193.43	53.90
		For Work In Restricted Working Space, Add	*24.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0569	EA	6" Polyvinyl Chloride (PVC) DWV Sanitary Tees	759.91	69.96
		For Work In Restricted Working Space, Add	*31.53*	
22 13 16 00-0570	EA	8" Polyvinyl Chloride (PVC) DWV Sanitary Tees	987.98	94.21
		For Work In Restricted Working Space, Add	*42.44*	

22 13 16 00-0571 Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees *(22 13 16 00-0539)*

22 13 16 00-0572	EA	2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	72.21	29.42
		For Work In Restricted Working Space, Add	*13.26*	
22 13 16 00-0573	EA	2" x 1-1/2" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	86.67	31.91
		For Work In Restricted Working Space, Add	*14.39*	
22 13 16 00-0574	EA	2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	70.15	31.91
		For Work In Restricted Working Space, Add	*14.39*	
22 13 16 00-0575	EA	3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	105.02	39.88
		For Work In Restricted Working Space, Add	*17.95*	
22 13 16 00-0576	EA	3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	106.63	42.37
		For Work In Restricted Working Space, Add	*19.08*	
22 13 16 00-0577	EA	4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	128.08	44.84
		For Work In Restricted Working Space, Add	*20.21*	
22 13 16 00-0578	EA	4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	223.75	47.42
		For Work In Restricted Working Space, Add	*21.35*	
22 13 16 00-0579	EA	4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	284.54	51.31
		For Work In Restricted Working Space, Add	*23.12*	
22 13 16 00-0580	EA	6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	730.27	64.57
		For Work In Restricted Working Space, Add	*29.10*	
22 13 16 00-0581	EA	8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	2,325.60	80.73
		For Work In Restricted Working Space, Add	*36.38*	
22 13 16 00-0582	EA	8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	2,404.75	86.12
		For Work In Restricted Working Space, Add	*38.81*	

22 13 16 00-0583 Polyvinyl Chloride (PVC) DWV Double Sanitary Tees *(22 13 16 00-0539)*

22 13 16 00-0584	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees	100.60	35.89
		For Work In Restricted Working Space, Add	*16.17*	
22 13 16 00-0585	EA	2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees	137.37	45.92
		For Work In Restricted Working Space, Add	*20.70*	
22 13 16 00-0586	EA	3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees	284.50	61.77
		For Work In Restricted Working Space, Add	*27.81*	
22 13 16 00-0587	EA	4" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees	416.16	71.79
		For Work In Restricted Working Space, Add	*32.34*	

22 13 16 00-0588 Polyvinyl Chloride (PVC) DWV Reducing Double Sanitary Tees *(22 13 16 00-0539)*

22 13 16 00-0589	EA	2" x 2" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	123.25	40.96
		For Work In Restricted Working Space, Add	*18.43*	
22 13 16 00-0590	EA	3" x 3" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	218.48	48.83
		For Work In Restricted Working Space, Add	*21.99*	
22 13 16 00-0591	EA	3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	252.87	53.90
		For Work In Restricted Working Space, Add	*24.26*	
22 13 16 00-0592	EA	4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	467.21	58.86
		For Work In Restricted Working Space, Add	*26.52*	
22 13 16 00-0593	EA	4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	489.47	66.72
		For Work In Restricted Working Space, Add	*30.08*	

22 13 16 00-0594 Polyvinyl Chloride (PVC) DWV Reducers *(22 13 16 00-0539)*

22 13 16 00-0595	EA	2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers	48.07	20.48
		For Work In Restricted Working Space, Add	*9.22*	
22 13 16 00-0596	EA	3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers	92.02	24.36
		For Work In Restricted Working Space, Add	*11.00*	
22 13 16 00-0597	EA	3" x 2" Polyvinyl Chloride (PVC) DWV Reducers	86.78	26.95
		For Work In Restricted Working Space, Add	*12.13*	
22 13 16 00-0598	EA	4" x 2" Polyvinyl Chloride (PVC) DWV Reducers	135.92	29.42
		For Work In Restricted Working Space, Add	*13.26*	
22 13 16 00-0599	EA	4" x 3" Polyvinyl Chloride (PVC) DWV Reducers	146.02	33.41
		For Work In Restricted Working Space, Add	*15.04*	
22 13 16 00-0600	EA	6" x 3" Polyvinyl Chloride (PVC) DWV Reducers	542.70	38.80
		For Work In Restricted Working Space, Add	*17.46*	
22 13 16 00-0601	EA	6" x 4" Polyvinyl Chloride (PVC) DWV Reducers	451.08	41.28
		For Work In Restricted Working Space, Add	*18.59*	
22 13 16 00-0602	EA	8" x 4" Polyvinyl Chloride (PVC) DWV Reducers	1,141.77	49.37
		For Work In Restricted Working Space, Add	*22.23*	
22 13 16 00-0603	EA	8" x 6" Polyvinyl Chloride (PVC) DWV Reducers	960.64	54.76
		For Work In Restricted Working Space, Add	*24.66*	
22 13 16 00-0604	EA	10" x 6" Polyvinyl Chloride (PVC) DWV Reducers	1,293.55	65.21
		For Work In Restricted Working Space, Add	*29.37*	
22 13 16 00-0605	EA	10" x 8" Polyvinyl Chloride (PVC) DWV Reducers	1,007.01	73.30
		For Work In Restricted Working Space, Add	*33.01*	

22 13 16 00-0606 Polyvinyl Chloride (PVC) DWV P-Traps *(22 13 16 00-0539)*

22 13 16 00-0607	EA	1-1/2" Polyvinyl Chloride (PVC) DWV P-Traps	70.78	26.95
		For Work In Restricted Working Space, Add	*12.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0608	EA	2" Polyvinyl Chloride (PVC) DWV P-Traps	93.09	34.49
		For Work In Restricted Working Space, Add	*15.52*	
22 13 16 00-0609	EA	3" Polyvinyl Chloride (PVC) DWV P-Traps	275.50	46.35
		For Work In Restricted Working Space, Add	*20.86*	
22 13 16 00-0610	EA	4" Polyvinyl Chloride (PVC) DWV P-Traps	571.35	53.90
		For Work In Restricted Working Space, Add	*24.26*	
22 13 16 00-0611	EA	6" Polyvinyl Chloride (PVC) DWV P-Traps	972.35	69.96
		For Work In Restricted Working Space, Add	*31.53*	
22 13 16 00-0612		**Polyvinyl Chloride (PVC) DWV Closet Flanges** *(22 13 16 00-0539)*		
22 13 16 00-0613	EA	4" Polyvinyl Chloride (PVC) DWV Closet Flanges	112.11	35.89
		For Work In Restricted Working Space, Add	*16.17*	
22 13 16 00-0614	EA	4" x 3" Polyvinyl Chloride (PVC) DWV Closet Flanges	90.81	33.41
		For Work In Restricted Working Space, Add	*15.04*	
22 13 16 00-0615		**Polyvinyl Chloride (PVC) DWV Wyes** *(22 13 16 00-0539)*		
22 13 16 00-0616	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Wyes	71.44	26.95
		For Work In Restricted Working Space, Add	*12.13*	
22 13 16 00-0617	EA	2" Polyvinyl Chloride (PVC) DWV Wyes	82.92	34.49
		For Work In Restricted Working Space, Add	*15.52*	
22 13 16 00-0618	EA	3" Polyvinyl Chloride (PVC) DWV Wyes	140.07	46.35
		For Work In Restricted Working Space, Add	*20.86*	
22 13 16 00-0619	EA	4" Polyvinyl Chloride (PVC) DWV Wyes	212.27	53.90
		For Work In Restricted Working Space, Add	*24.26*	
22 13 16 00-0620	EA	6" Polyvinyl Chloride (PVC) DWV Wyes	689.20	69.96
		For Work In Restricted Working Space, Add	*31.53*	
22 13 16 00-0621	EA	8" Polyvinyl Chloride (PVC) DWV Wyes	853.65	94.21
		For Work In Restricted Working Space, Add	*42.44*	
22 13 16 00-0622	EA	10" Polyvinyl Chloride (PVC) DWV Wyes	1,123.15	125.58
		For Work In Restricted Working Space, Add	*56.59*	
22 13 16 00-0623		**Polyvinyl Chloride (PVC) DWV Reducing Wyes** *(22 13 16 00-0539)*		
22 13 16 00-0624	EA	2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	99.56	29.42
		For Work In Restricted Working Space, Add	*13.26*	
22 13 16 00-0625	EA	2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	102.84	31.91
		For Work In Restricted Working Space, Add	*14.39*	
22 13 16 00-0626	EA	3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	146.02	39.88
		For Work In Restricted Working Space, Add	*17.95*	
22 13 16 00-0627	EA	3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	118.14	42.37
		For Work In Restricted Working Space, Add	*19.08*	
22 13 16 00-0628	EA	4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	204.23	44.84
		For Work In Restricted Working Space, Add	*20.21*	
22 13 16 00-0629	EA	4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	176.72	47.42
		For Work In Restricted Working Space, Add	*21.35*	
22 13 16 00-0630	EA	4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes	200.32	51.31
		For Work In Restricted Working Space, Add	*23.12*	
22 13 16 00-0631	EA	6" x 6" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes	623.10	62.09
		For Work In Restricted Working Space, Add	*27.97*	
22 13 16 00-0632	EA	6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes	774.70	64.57
		For Work In Restricted Working Space, Add	*29.10*	
22 13 16 00-0633	EA	8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes	731.66	80.73
		For Work In Restricted Working Space, Add	*36.38*	
22 13 16 00-0634	EA	8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes	928.02	86.12
		For Work In Restricted Working Space, Add	*38.81*	
22 13 16 00-0635	EA	10" x 10" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes	840.41	101.65
		For Work In Restricted Working Space, Add	*45.81*	
22 13 16 00-0636	EA	10" x 10" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes	1,053.02	107.04
		For Work In Restricted Working Space, Add	*48.23*	
22 13 16 00-0637	EA	10" x 10" x 8" Polyvinyl Chloride (PVC) DWV Reducing Wyes	1,228.48	115.12
		For Work In Restricted Working Space, Add	*51.87*	
22 13 16 00-0638		**Polyvinyl Chloride (PVC) DWV Double Wyes** *(22 13 16 00-0539)*		
22 13 16 00-0639	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes	119.94	35.89
		For Work In Restricted Working Space, Add	*16.17*	
22 13 16 00-0640	EA	2" Polyvinyl Chloride (PVC) DWV Double Wyes	153.88	45.92
		For Work In Restricted Working Space, Add	*20.70*	
22 13 16 00-0641	EA	3" Polyvinyl Chloride (PVC) DWV Double Wyes	312.02	61.77
		For Work In Restricted Working Space, Add	*27.81*	
22 13 16 00-0642	EA	4" Polyvinyl Chloride (PVC) DWV Double Wyes	552.42	71.79
		For Work In Restricted Working Space, Add	*32.34*	
22 13 16 00-0643	EA	6" Polyvinyl Chloride (PVC) DWV Double Wyes	1,147.10	93.35
		For Work In Restricted Working Space, Add	*42.04*	
22 13 16 00-0644	EA	8" Polyvinyl Chloride (PVC) DWV Double Wyes	1,325.11	125.68
		For Work In Restricted Working Space, Add	*56.59*	
22 13 16 00-0645	EA	10" Polyvinyl Chloride (PVC) DWV Double Wyes	2,062.45	167.50
		For Work In Restricted Working Space, Add	*75.45*	
22 13 16 00-0646		**Polyvinyl Chloride (PVC) DWV Reducing Double Wyes** *(22 13 16 00-0539)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0647	EA	2" x 2" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Wyes	138.99	40.96
		For Work In Restricted Working Space, Add	*18.43*	
22 13 16 00-0648	EA	3" x 3" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Wyes	265.74	48.83
		For Work In Restricted Working Space, Add	*21.99*	
22 13 16 00-0649	EA	3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes	244.13	53.90
		For Work In Restricted Working Space, Add	*24.26*	
22 13 16 00-0650	EA	4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes	354.93	58.86
		For Work In Restricted Working Space, Add	*26.52*	
22 13 16 00-0651	EA	4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Wyes	452.32	66.72
		For Work In Restricted Working Space, Add	*30.08*	
22 13 16 00-0652	EA	6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes	702.22	82.57
		For Work In Restricted Working Space, Add	*37.19*	
22 13 16 00-0653	EA	8" x 8" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes	821.55	98.73
		For Work In Restricted Working Space, Add	*44.46*	
22 13 16 00-0654	EA	8" x 8" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes	1,049.63	109.51
		For Work In Restricted Working Space, Add	*49.31*	
22 13 16 00-0655	EA	10" x 10" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes	1,107.99	119.65
		For Work In Restricted Working Space, Add	*53.89*	
22 13 16 00-0656	EA	10" x 10" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes	1,444.76	130.42
		For Work In Restricted Working Space, Add	*58.74*	
22 13 16 00-0657	EA	10" x 10" x 8" x 8" Polyvinyl Chloride (PVC) DWV Double Wyes	1,749.91	146.59
		For Work In Restricted Working Space, Add	*66.02*	

22 13 16 00-0658 Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends *(22 13 16 00-0539)*

22 13 16 00-0659	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	90.79	26.95
		For Work In Restricted Working Space, Add	*12.13*	
22 13 16 00-0660	EA	2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	113.10	34.49
		For Work In Restricted Working Space, Add	*15.52*	
22 13 16 00-0661	EA	3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	230.79	46.35
		For Work In Restricted Working Space, Add	*20.86*	
22 13 16 00-0662	EA	4" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	415.74	53.90
		For Work In Restricted Working Space, Add	*24.26*	

22 13 16 00-0663 Polyvinyl Chloride (PVC) DWV Reducing Combination Wye And 1/8 Bends *(22 13 16 00-0539)*

22 13 16 00-0664	EA	2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	175.06	31.91
		For Work In Restricted Working Space, Add	*14.39*	
22 13 16 00-0665	EA	3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	280.61	39.88
		For Work In Restricted Working Space, Add	*17.95*	
22 13 16 00-0666	EA	3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	201.59	42.37
		For Work In Restricted Working Space, Add	*19.08*	
22 13 16 00-0667	EA	4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	378.14	47.42
		For Work In Restricted Working Space, Add	*21.35*	
22 13 16 00-0668	EA	4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	409.58	51.31
		For Work In Restricted Working Space, Add	*23.12*	

22 13 16 00-0669 Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends *(22 13 16 00-0539)*

22 13 16 00-0670	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	134.96	35.89
		For Work In Restricted Working Space, Add	*16.17*	
22 13 16 00-0671	EA	2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	155.55	45.92
		For Work In Restricted Working Space, Add	*20.70*	
22 13 16 00-0672	EA	3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	243.13	61.77
		For Work In Restricted Working Space, Add	*27.81*	
22 13 16 00-0673	EA	4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	900.33	71.79
		For Work In Restricted Working Space, Add	*32.34*	
22 13 16 00-0674	EA	6" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	3,017.44	93.35
		For Work In Restricted Working Space, Add	*42.04*	

22 13 16 00-0675 Polyvinyl Chloride (PVC) DWV Reducing Double Combination Wye And 1/8 Bends *(22 13 16 00-0539)*

22 13 16 00-0676	EA	2" x 2" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	326.65	40.96
		For Work In Restricted Working Space, Add	*18.43*	
22 13 16 00-0677	EA	3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	530.18	53.90
		For Work In Restricted Working Space, Add	*24.26*	
22 13 16 00-0678	EA	4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	925.81	58.86
		For Work In Restricted Working Space, Add	*26.52*	
22 13 16 00-0679	EA	4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	833.13	66.72
		For Work In Restricted Working Space, Add	*30.08*	
22 13 16 00-0680	EA	6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	2,003.71	82.57
		For Work In Restricted Working Space, Add	*37.19*	

22 13 16 00-0681 Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug *(22 13 16 00-0539)*

22 13 16 00-0682	EA	2" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	199.37	34.49
		For Work In Restricted Working Space, Add	*15.52*	
22 13 16 00-0683	EA	3" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	351.56	46.35
		For Work In Restricted Working Space, Add	*20.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0684	EA	4" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	571.43	53.90
		For Work In Restricted Working Space, Add	*24.26*	
22 13 16 00-0685	EA	6" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	1,530.61	69.96
		For Work In Restricted Working Space, Add	*31.53*	
22 13 16 00-0686	EA	8" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	1,916.31	94.21
		For Work In Restricted Working Space, Add	*42.44*	
22 13 16 00-0687	EA	10" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	2,542.80	125.58
		For Work In Restricted Working Space, Add	*56.59*	

22 13 16 00-0688 Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug *(22 13 16 00-0539)*

22 13 16 00-0689	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	52.47	18.00
		For Work In Restricted Working Space, Add	*8.09*	
22 13 16 00-0690	EA	2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	75.68	22.96
		For Work In Restricted Working Space, Add	*10.35*	
22 13 16 00-0691	EA	3" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	109.73	30.82
		For Work In Restricted Working Space, Add	*13.91*	
22 13 16 00-0692	EA	4" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	202.83	35.89
		For Work In Restricted Working Space, Add	*16.17*	
22 13 16 00-0693	EA	6" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	478.85	46.68
		For Work In Restricted Working Space, Add	*21.02*	
22 13 16 00-0694	EA	8" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	1,091.09	62.85
		For Work In Restricted Working Space, Add	*28.29*	
22 13 16 00-0695	EA	10" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	2,021.88	83.76
		For Work In Restricted Working Space, Add	*37.70*	

22 13 16 00-0696 Polyvinyl Chloride (PVC) Couplings *(22 13 16 00-0539)*

22 13 16 00-0697	EA	1-1/2" Polyvinyl Chloride (PVC) Couplings	34.51	18.00
		For Work In Restricted Working Space, Add	*8.09*	
22 13 16 00-0698	EA	2" Polyvinyl Chloride (PVC) Couplings	43.00	22.96
		For Work In Restricted Working Space, Add	*10.35*	
22 13 16 00-0699	EA	3" Polyvinyl Chloride (PVC) Couplings	68.09	30.82
		For Work In Restricted Working Space, Add	*13.91*	
22 13 16 00-0700	EA	4" Polyvinyl Chloride (PVC) Couplings	89.63	35.89
		For Work In Restricted Working Space, Add	*16.17*	
22 13 16 00-0701	EA	6" Polyvinyl Chloride (PVC) Couplings	267.23	46.68
		For Work In Restricted Working Space, Add	*21.02*	
22 13 16 00-0702	EA	8" Polyvinyl Chloride (PVC) Couplings	663.87	62.85
		For Work In Restricted Working Space, Add	*28.29*	
22 13 16 00-0703	EA	10" Polyvinyl Chloride (PVC) Couplings	1,008.36	83.76
		For Work In Restricted Working Space, Add	*37.73*	

22 13 16 00-0704 Polyvinyl Chloride (PVC) Male Adapters *(22 13 16 00-0539)*

22 13 16 00-0705	EA	1-1/2" Polyvinyl Chloride (PVC) Male Adapters	21.14	8.94
		For Work In Restricted Working Space, Add	*4.04*	
22 13 16 00-0706	EA	2" Polyvinyl Chloride (PVC) Male Adapters	36.07	11.53
		For Work In Restricted Working Space, Add	*5.17*	
22 13 16 00-0707	EA	3" Polyvinyl Chloride (PVC) Male Adapters	75.39	15.41
		For Work In Restricted Working Space, Add	*6.95*	
22 13 16 00-0708	EA	4" Polyvinyl Chloride (PVC) Male Adapters	146.61	18.00
		For Work In Restricted Working Space, Add	*8.09*	

22 13 16 00-0709 Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe *(22 13 16 00-0504)*

Note: In place piping.

22 13 16 00-0710	EA	1-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	7.90
22 13 16 00-0711	EA	2", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	8.69
22 13 16 00-0712	EA	3", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	11.06
22 13 16 00-0713	EA	4", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	14.92
22 13 16 00-0714	EA	6", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	21.32
22 13 16 00-0715	EA	8", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	28.44
22 13 16 00-0716	EA	10", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	34.78

22 13 16 00-0717 Acrylonitrile Butadiene Styrene (ABS) Drain-Waste-Vent (DWV) Pipe And Fittings *(22 13 16)*

Note: Aboveground installation.

22 13 16 00-0718 Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assemblies *(22 13 16 00-0717)*

Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.

22 13 16 00-0719	LF	1-1/2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	27.00	4.52
		For Work In Restricted Working Space, Add	*6.20*	
22 13 16 00-0720	LF	2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	30.01	5.39
		For Work In Restricted Working Space, Add	*6.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0721	LF	3" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	41.34	7.76
		For Work In Restricted Working Space, Add	*8.53*	
22 13 16 00-0722	LF	4" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	47.78	8.41
		For Work In Restricted Working Space, Add	*9.47*	
22 13 16 00-0723	LF	6" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	81.03	10.78
		For Work In Restricted Working Space, Add	*12.60*	
22 13 16 00-0724		**Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe (ASTM F-628)** *(22 13 16 00-0717)* Note: Excludes fittings or hangers.		
22 13 16 00-0725	LF	1-1/2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	9.62	4.52
		For Work In Restricted Working Space, Add	*2.02*	
22 13 16 00-0726	LF	2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	11.95	5.39
		For Work In Restricted Working Space, Add	*2.42*	
22 13 16 00-0727	LF	3" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	19.59	7.76
		For Work In Restricted Working Space, Add	*3.48*	
22 13 16 00-0728	LF	4" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	24.01	8.41
		For Work In Restricted Working Space, Add	*3.77*	
22 13 16 00-0729	LF	6" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	39.12	10.55
		For Work In Restricted Working Space, Add	*4.74*	
22 13 16 00-0730		**Acrylonitrile Butadiene Styrene (ABS) DWV Fittings (ASTM D-2661)** *(22 13 16 00-0717)*		
22 13 16 00-0731		**Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends** *(22 13 16 00-0730)*		
22 13 16 00-0732	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	39.21	18.00
		For Work In Restricted Working Space, Add	*8.09*	
22 13 16 00-0733	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	51.97	22.96
		For Work In Restricted Working Space, Add	*10.35*	
22 13 16 00-0734	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	100.29	30.82
		For Work In Restricted Working Space, Add	*13.91*	
22 13 16 00-0735	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	159.59	35.89
		For Work In Restricted Working Space, Add	*16.17*	
22 13 16 00-0736	EA	6" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	464.52	46.68
		For Work In Restricted Working Space, Add	*21.02*	
22 13 16 00-0737		**Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends** *(22 13 16 00-0730)*		
22 13 16 00-0738	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends	56.15	18.00
		For Work In Restricted Working Space, Add	*8.09*	
22 13 16 00-0739	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends	68.53	22.96
		For Work In Restricted Working Space, Add	*10.35*	
22 13 16 00-0740	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends	141.41	30.82
		For Work In Restricted Working Space, Add	*13.91*	
22 13 16 00-0741	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends	241.40	35.89
		For Work In Restricted Working Space, Add	*16.17*	
22 13 16 00-0742		**Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends** *(22 13 16 00-0730)*		
22 13 16 00-0743	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends	41.50	18.00
		For Work In Restricted Working Space, Add	*8.09*	
22 13 16 00-0744	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends	50.36	22.96
		For Work In Restricted Working Space, Add	*10.35*	
22 13 16 00-0745	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends	91.86	30.82
		For Work In Restricted Working Space, Add	*13.91*	
22 13 16 00-0746	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends	144.02	35.89
		For Work In Restricted Working Space, Add	*16.17*	
22 13 16 00-0747	EA	6" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends	480.94	46.68
		For Work In Restricted Working Space, Add	*21.02*	
22 13 16 00-0748		**Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees** *(22 13 16 00-0730)*		
22 13 16 00-0749	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees	61.29	26.95
		For Work In Restricted Working Space, Add	*12.13*	
22 13 16 00-0750	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees	83.09	34.49
		For Work In Restricted Working Space, Add	*15.52*	
22 13 16 00-0751	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees	149.45	46.35
		For Work In Restricted Working Space, Add	*20.86*	
22 13 16 00-0752	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees	234.41	53.90
		For Work In Restricted Working Space, Add	*24.26*	
22 13 16 00-0753	EA	6" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees	937.49	69.96
		For Work In Restricted Working Space, Add	*31.53*	

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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0754		**Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees** *(22 13 16 00-0730)*		
22 13 16 00-0755	EA	2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	77.47	29.42
		For Work In Restricted Working Space, Add	*13.26*	
22 13 16 00-0756	EA	2" x 1-1/2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	94.70	31.91
		For Work In Restricted Working Space, Add	*14.39*	
22 13 16 00-0757	EA	2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	78.03	31.91
		For Work In Restricted Working Space, Add	*14.39*	
22 13 16 00-0758	EA	3" x 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	120.87	39.88
		For Work In Restricted Working Space, Add	*17.95*	
22 13 16 00-0759	EA	3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	125.21	42.37
		For Work In Restricted Working Space, Add	*19.08*	
22 13 16 00-0760	EA	4" x 4" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	288.70	44.84
		For Work In Restricted Working Space, Add	*20.21*	
22 13 16 00-0761	EA	4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	277.76	47.42
		For Work In Restricted Working Space, Add	*21.35*	
22 13 16 00-0762	EA	4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	319.35	51.31
		For Work In Restricted Working Space, Add	*23.12*	
22 13 16 00-0763	EA	6" x 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	1,027.67	64.57
		For Work In Restricted Working Space, Add	*29.10*	
22 13 16 00-0764		**Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees** *(22 13 16 00-0730)*		
22 13 16 00-0765	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	117.29	35.89
		For Work In Restricted Working Space, Add	*16.17*	
22 13 16 00-0766	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	161.48	45.92
		For Work In Restricted Working Space, Add	*20.70*	
22 13 16 00-0767	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	352.51	61.77
		For Work In Restricted Working Space, Add	*27.81*	
22 13 16 00-0768	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	524.19	71.79
		For Work In Restricted Working Space, Add	*32.34*	
22 13 16 00-0769		**Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Sanitary Tees** *(22 13 16 00-0730)*		
22 13 16 00-0770	EA	2" x 2" x 1-1/2" x 1-1/2 Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	133.34	40.96
		For Work In Restricted Working Space, Add	*18.43*	
22 13 16 00-0771	EA	3" x 3" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	205.71	48.83
		For Work In Restricted Working Space, Add	*21.99*	
22 13 16 00-0772	EA	3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	237.52	53.90
		For Work In Restricted Working Space, Add	*24.26*	
22 13 16 00-0773	EA	4" x 4" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	431.62	57.64
		For Work In Restricted Working Space, Add	*25.97*	
22 13 16 00-0774	EA	4" x 4" x 3" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	452.76	65.34
		For Work In Restricted Working Space, Add	*29.45*	
22 13 16 00-0775		**Acrylonitrile Butadiene Styrene (ABS) DWV Wyes** *(22 13 16 00-0730)*		
22 13 16 00-0776	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes	82.43	26.95
		For Work In Restricted Working Space, Add	*12.13*	
22 13 16 00-0777	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes	94.87	34.49
		For Work In Restricted Working Space, Add	*15.52*	
22 13 16 00-0778	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes	164.99	46.35
		For Work In Restricted Working Space, Add	*20.86*	
22 13 16 00-0779	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes	258.72	53.90
		For Work In Restricted Working Space, Add	*24.26*	
22 13 16 00-0780	EA	6" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes	757.76	69.96
		For Work In Restricted Working Space, Add	*31.53*	
22 13 16 00-0781		**Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes** *(22 13 16 00-0730)*		
22 13 16 00-0782	EA	2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	119.15	29.42
		For Work In Restricted Working Space, Add	*13.26*	
22 13 16 00-0783	EA	2" x 2" X 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	122.16	31.91
		For Work In Restricted Working Space, Add	*14.39*	
22 13 16 00-0784	EA	3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	137.79	42.37
		For Work In Restricted Working Space, Add	*19.08*	
22 13 16 00-0785	EA	4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	214.06	47.42
		For Work In Restricted Working Space, Add	*21.35*	
22 13 16 00-0786	EA	4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	244.03	51.31
		For Work In Restricted Working Space, Add	*23.12*	
22 13 16 00-0787	EA	6" x 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	636.24	64.57
		For Work In Restricted Working Space, Add	*29.10*	
22 13 16 00-0788		**Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes** *(22 13 16 00-0730)*		
22 13 16 00-0789	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	143.25	35.89
		For Work In Restricted Working Space, Add	*16.17*	
22 13 16 00-0790	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	183.92	45.92
		For Work In Restricted Working Space, Add	*20.70*	
22 13 16 00-0791	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	389.83	61.77
		For Work In Restricted Working Space, Add	*27.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0792	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	709.70	71.79
		For Work In Restricted Working Space, Add	*32.34*	

22 13 16 00-0793 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Wyes *(22 13 16 00-0730)*

22 13 16 00-0794	EA	2" x 2" x 1-1/2" x 1-1/2 Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	166.41	40.96
		For Work In Restricted Working Space, Add	*18.43*	
22 13 16 00-0795	EA	3" x 3" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	282.89	48.83
		For Work In Restricted Working Space, Add	*21.99*	
22 13 16 00-0796	EA	3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	301.45	53.90
		For Work In Restricted Working Space, Add	*24.26*	
22 13 16 00-0797	EA	4" x 4" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	449.27	58.86
		For Work In Restricted Working Space, Add	*26.52*	
22 13 16 00-0798	EA	4" x 4" x 3" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	576.93	66.72
		For Work In Restricted Working Space, Add	*30.08*	

22 13 16 00-0799 Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bend *(22 13 16 00-0730)*

22 13 16 00-0800	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	107.53	26.95
		For Work In Restricted Working Space, Add	*12.13*	
22 13 16 00-0801	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	138.94	34.49
		For Work In Restricted Working Space, Add	*15.52*	
22 13 16 00-0802	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	213.22	46.35
		For Work In Restricted Working Space, Add	*20.86*	
22 13 16 00-0803	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	361.27	52.78
		For Work In Restricted Working Space, Add	*23.75*	

22 13 16 00-0804 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Combination Wye And 1/8 Bend *(22 13 16 00-0730)*

22 13 16 00-0805	EA	2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	118.60	31.91
		For Work In Restricted Working Space, Add	*14.39*	
22 13 16 00-0806	EA	3" x 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	227.06	39.88
		For Work In Restricted Working Space, Add	*17.95*	
22 13 16 00-0807	EA	3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	168.11	42.37
		For Work In Restricted Working Space, Add	*19.08*	
22 13 16 00-0808	EA	4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	303.95	47.42
		For Work In Restricted Working Space, Add	*21.35*	
22 13 16 00-0809	EA	4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	329.16	51.31
		For Work In Restricted Working Space, Add	*23.12*	

22 13 16 00-0810 Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bend *(22 13 16 00-0730)*

22 13 16 00-0811	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends	226.88	45.92
		For Work In Restricted Working Space, Add	*20.70*	
22 13 16 00-0812	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends	456.87	61.77
		For Work In Restricted Working Space, Add	*27.81*	

22 13 16 00-0813 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Combination Wye And 1/8 Bend *(22 13 16 00-0730)*

22 13 16 00-0814	EA	2" x 2" x 1-1/2" x 1-1/2 Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends	188.50	40.96
		For Work In Restricted Working Space, Add	*18.43*	
22 13 16 00-0815	EA	3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends	438.80	53.90
		For Work In Restricted Working Space, Add	*24.26*	

22 13 16 00-0816 Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug *(22 13 16 00-0730)*

22 13 16 00-0817	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug	119.35	26.95
		For Work In Restricted Working Space, Add	*12.13*	
22 13 16 00-0818	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug	150.77	34.49
		For Work In Restricted Working Space, Add	*15.52*	
22 13 16 00-0819	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug	239.64	46.35
		For Work In Restricted Working Space, Add	*20.86*	
22 13 16 00-0820	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug	398.85	53.90
		For Work In Restricted Working Space, Add	*24.26*	

22 13 16 00-0821 Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug *(22 13 16 00-0730)*

22 13 16 00-0822	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug	54.01	18.00
		For Work In Restricted Working Space, Add	*8.09*	
22 13 16 00-0823	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug	78.16	22.96
		For Work In Restricted Working Space, Add	*10.35*	
22 13 16 00-0824	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug	113.46	30.82
		For Work In Restricted Working Space, Add	*13.91*	
22 13 16 00-0825	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug	211.89	35.89
		For Work In Restricted Working Space, Add	*16.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0826	EA	6" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug	503.82	46.68
		For Work In Restricted Working Space, Add	*21.02*	

22 13 16 00-0827 Acrylonitrile Butadiene Styrene (ABS) DWV Couplings *(22 13 16 00-0730)*

22 13 16 00-0828	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings	36.28	18.00
		For Work In Restricted Working Space, Add	*8.09*	
22 13 16 00-0829	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings	44.32	22.96
		For Work In Restricted Working Space, Add	*10.35*	
22 13 16 00-0830	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings	73.10	30.82
		For Work In Restricted Working Space, Add	*13.91*	
22 13 16 00-0831	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings	98.00	35.89
		For Work In Restricted Working Space, Add	*16.17*	
22 13 16 00-0832	EA	6" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings	288.07	46.68
		For Work In Restricted Working Space, Add	*21.02*	

22 13 16 00-0833 Acrylonitrile Butadiene Styrene (ABS) DWV Reducers *(22 13 16 00-0730)*

22 13 16 00-0834	EA	2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers	54.36	20.48
		For Work In Restricted Working Space, Add	*9.22*	
22 13 16 00-0835	EA	3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers	111.61	24.36
		For Work In Restricted Working Space, Add	*11.00*	
22 13 16 00-0836	EA	3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers	103.28	26.95
		For Work In Restricted Working Space, Add	*12.13*	
22 13 16 00-0837	EA	4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers	168.17	29.42
		For Work In Restricted Working Space, Add	*13.26*	
22 13 16 00-0838	EA	4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers	179.83	33.41
		For Work In Restricted Working Space, Add	*15.04*	

22 13 16 00-0839 Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps *(22 13 16 00-0730)*

22 13 16 00-0840	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps	86.26	26.95
		For Work In Restricted Working Space, Add	*12.13*	
22 13 16 00-0841	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps	125.92	34.49
		For Work In Restricted Working Space, Add	*15.52*	
22 13 16 00-0842	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps	409.36	46.35
		For Work In Restricted Working Space, Add	*20.86*	
22 13 16 00-0843	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps	777.08	53.90
		For Work In Restricted Working Space, Add	*24.26*	

22 13 16 00-0844 Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges *(22 13 16 00-0730)*

22 13 16 00-0845	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges	117.90	35.89
		For Work In Restricted Working Space, Add	*16.17*	
22 13 16 00-0846	EA	4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges	110.15	33.41
		For Work In Restricted Working Space, Add	*15.04*	

22 13 16 00-0847 Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters *(22 13 16 00-0730)*

22 13 16 00-0848	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters	25.38	8.94
		For Work In Restricted Working Space, Add	*4.04*	
22 13 16 00-0849	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters	38.34	11.53
		For Work In Restricted Working Space, Add	*5.17*	
22 13 16 00-0850	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters	84.63	15.41
		For Work In Restricted Working Space, Add	*6.95*	
22 13 16 00-0851	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters	162.90	18.00
		For Work In Restricted Working Space, Add	*8.09*	

22 13 16 00-0852 Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushings *(22 13 16 00-0730)*

22 13 16 00-0853	EA	2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	40.55	20.48
		For Work In Restricted Working Space, Add	*9.22*	
22 13 16 00-0854	EA	3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	89.70	24.36
		For Work In Restricted Working Space, Add	*11.00*	
22 13 16 00-0855	EA	3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	74.13	26.95
		For Work In Restricted Working Space, Add	*12.13*	
22 13 16 00-0856	EA	4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	166.46	29.42
		For Work In Restricted Working Space, Add	*13.26*	
22 13 16 00-0857	EA	4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	120.98	33.41
		For Work In Restricted Working Space, Add	*15.04*	
22 13 16 00-0858	EA	6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	338.54	40.43
		For Work In Restricted Working Space, Add	*18.21*	

22 13 16 00-0859 Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Couplings *(22 13 16 00-0730)*

22 13 16 00-0860	EA	1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling	152.04	18.00
		For Work In Restricted Working Space, Add	*8.09*	
22 13 16 00-0861	EA	2" x 2" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling	167.92	22.96
		For Work In Restricted Working Space, Add	*10.35*	
22 13 16 00-0862	EA	3" x 3" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling	188.12	30.82
		For Work In Restricted Working Space, Add	*13.91*	

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22 13 16 00-0863	EA	4" x 4" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling	204.01	35.89
		For Work In Restricted Working Space, Add	*16.17*	

22 13 16 00-0864 Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe

(22 13 16 00-0717)

Note: In place piping.

22 13 16 00-0865	EA	1-1/2", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	7.90	
22 13 16 00-0866	EA	2", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	8.69	
22 13 16 00-0867	EA	3", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	11.06	
22 13 16 00-0868	EA	4", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	14.92	
22 13 16 00-0869	EA	6", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	21.32	

22 13 16 00-0870 Elastomeric Flexible Pipe Couplings *(22 13 16)*

22 13 16 00-0871 Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Couplings

(22 13 16 00-0870)

Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps.

22 13 16 00-0872	EA	1-1/4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-125)	14.39	4.68
		For Work In Restricted Working Space, Add	*2.81*	
22 13 16 00-0873	EA	1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-150)	15.52	4.97
		For Work In Restricted Working Space, Add	*2.99*	
22 13 16 00-0874	EA	2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-22)	16.31	5.27
		For Work In Restricted Working Space, Add	*3.16*	
22 13 16 00-0875	EA	3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-33)	18.93	5.56
		For Work In Restricted Working Space, Add	*3.34*	
22 13 16 00-0876	EA	4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-44)	21.49	5.85
		For Work In Restricted Working Space, Add	*3.51*	
22 13 16 00-0877	EA	5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-55)	27.62	6.14
		For Work In Restricted Working Space, Add	*3.69*	
22 13 16 00-0878	EA	6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-66)	33.80	6.43
		For Work In Restricted Working Space, Add	*3.86*	
22 13 16 00-0879	EA	8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-88)	46.22	7.03
		For Work In Restricted Working Space, Add	*4.22*	
22 13 16 00-0880	EA	10" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1010)	61.12	8.20
		For Work In Restricted Working Space, Add	*4.92*	

22 13 16 00-0881 Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Couplings *(22 13 16 00-0870)*

Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps.

22 13 16 00-0882	EA	1-1/2" x 1-1/4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-150/125)	15.32	4.97
		For Work In Restricted Working Space, Add	*2.99*	
22 13 16 00-0883	EA	2" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-215)	16.64	5.27
		For Work In Restricted Working Space, Add	*3.16*	
22 13 16 00-0884	EA	3" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-315)	20.55	5.56
		For Work In Restricted Working Space, Add	*3.34*	
22 13 16 00-0885	EA	3" x 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-32)	18.34	5.56
		For Work In Restricted Working Space, Add	*3.34*	
22 13 16 00-0886	EA	4" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-415)	25.46	5.85
		For Work In Restricted Working Space, Add	*3.51*	
22 13 16 00-0887	EA	4" x 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-42)	24.33	5.85
		For Work In Restricted Working Space, Add	*3.51*	
22 13 16 00-0888	EA	4" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-43)	22.24	5.85
		For Work In Restricted Working Space, Add	*3.51*	
22 13 16 00-0889	EA	5" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-53)	32.53	6.14
		For Work In Restricted Working Space, Add	*3.69*	
22 13 16 00-0890	EA	5" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-54)	29.33	6.14
		For Work In Restricted Working Space, Add	*3.69*	
22 13 16 00-0891	EA	6" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-63)	40.40	6.43
		For Work In Restricted Working Space, Add	*3.86*	
22 13 16 00-0892	EA	6" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-64)	35.62	6.43
		For Work In Restricted Working Space, Add	*3.86*	
22 13 16 00-0893	EA	6" x 5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-65)	36.95	6.43
		For Work In Restricted Working Space, Add	*3.86*	
22 13 16 00-0894	EA	8" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-84)	72.65	11.71
		For Work In Restricted Working Space, Add	*7.02*	
22 13 16 00-0895	EA	8" x 6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-86)	59.38	11.71
		For Work In Restricted Working Space, Add	*7.02*	
22 13 16 00-0896	EA	10" x 8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-10-8)	75.33	13.17
		For Work In Restricted Working Space, Add	*7.90*	

22 13 16 00-0897 Elastomeric Flexible Pipe Caps (Fernco QC) *(22 13 16)*

Note: For cast iron, steel, copper or plastic pipe. Includes stainless steel clamp.

22 13 16 00-0898	EA	1-1/2" Elastomeric Flexible Pipe Cap (Fernco QC-101)	52.16	31.60
22 13 16 00-0899	EA	2" Elastomeric Flexible Pipe Cap (Fernco QC-102)	56.00	33.60
22 13 16 00-0900	EA	3" Elastomeric Flexible Pipe Cap (Fernco QC-103)	64.91	38.51
22 13 16 00-0901	EA	4" Elastomeric Flexible Pipe Cap (Fernco QC-104)	85.61	50.91
22 13 16 00-0902	EA	5" Elastomeric Flexible Pipe Cap (Fernco QC-105)	102.66	60.87

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LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0903	EA	6" Elastomeric Flexible Pipe Cap (Fernco QC-106)	118.21	70.24
22 13 16 00-0904	EA	8" Elastomeric Flexible Pipe Cap (Fernco QC-108)	159.41	88.96
22 13 16 00-0905	EA	10" Elastomeric Flexible Pipe Cap (Fernco QC-110)	197.52	99.49
22 13 16 00-0906	EA	12" Elastomeric Flexible Pipe Cap (Fernco QC-112)	252.49	110.62
22 13 16 00-0907		Seamless Pipe Vent Flashing For Multiple Pipe *(22 13 16)*		
		Note: Elmdor/Stoneman #910.		
22 13 16 00-0908	EA	Multi Flash Assembly (Elmdor/Stoneman #910-6 STD - 4 Lb.)	525.52	122.91
22 13 16 00-0909	EA	Multi Flash Assembly (Elmdor/Stoneman #910-6 STD - 6 Lb.)	549.10	122.91
22 13 16 00-0910	EA	Multi Flash Assembly (Elmdor/Stoneman #910-8 SK - 4 Lb.)	587.86	143.39
22 13 16 00-0911	EA	Multi Flash Assembly (Elmdor/Stoneman #910-8 SK - 6 Lb.)	620.97	143.39
22 13 16 00-0912	EA	Multi Flash Assembly (Elmdor/Stoneman #910-10 SK - 4 Lb.)	665.46	166.81
22 13 16 00-0913	EA	Multi Flash Assembly (Elmdor/Stoneman #910-10 SK - 6 Lb.)	710.56	166.81
22 13 16 00-0914		Cast Iron Vent Stack Flashing Sleeves With Caulking Recess (Josam 26450 Series) *(22 13 16)*		
22 13 16 00-0915	EA	1-1/2" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	100.71	24.26
22 13 16 00-0916	EA	2" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	106.10	26.95
22 13 16 00-0917	EA	3" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	159.55	35.03
22 13 16 00-0918	EA	4" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	187.11	40.42
22 13 16 00-0919	EA	5" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	218.38	45.81
22 13 16 00-0920	EA	6" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	370.83	51.20
22 13 16 00-0921		Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess (Josam 26440 Series) *(22 13 16)*		
22 13 16 00-0922	EA	1-1/2" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	211.42	24.26
22 13 16 00-0923	EA	2" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	216.81	26.95
22 13 16 00-0924	EA	3" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	257.34	35.03
22 13 16 00-0925	EA	4" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	322.41	40.42
22 13 16 00-0926	EA	5" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	441.80	45.81
22 13 16 00-0927	EA	6" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	452.58	51.20
22 13 16 00-0928		Cast Iron Vandal Proof Hooded Vent Cap (Josam 26700 Series) *(22 13 16)*		
		Note: Includes counterflashing collar, deep protective hood and recessed securing screws.		
22 13 16 00-0929	EA	1-1/2" Cast Iron Vandal Proof Hooded Vent Cap	406.14	24.26
22 13 16 00-0930	EA	2" Cast Iron Vandal Proof Hooded Vent Cap	411.54	26.95
22 13 16 00-0931	EA	3" Cast Iron Vandal Proof Hooded Vent Cap	472.42	35.03
22 13 16 00-0932	EA	4" Cast Iron Vandal Proof Hooded Vent Cap	531.63	40.42
22 13 16 00-0933	EA	5" Cast Iron Vandal Proof Hooded Vent Cap	620.64	45.81
22 13 16 00-0934	EA	6" Cast Iron Vandal Proof Hooded Vent Cap	677.99	51.20

22 13 19 Sanitary Waste Piping Specialties *(22 13)*

22 13 19 13 Sanitary Drains *(22 13 19)*

22 13 19 13-0001		Round Top Floor Drains *(22 13 19 13)*		
22 13 19 13-0002	EA	Bronze Top, 6" Round Top Floor Drain With 1-1/2" Outlet	832.50	115.88
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0003	EA	Bronze Top, 6" Round Top Floor Drain With 2" Outlet	914.24	129.89
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0004	EA	Bronze Top, 6" Round Top Floor Drain With 3" Outlet	888.23	143.68
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0005	EA	Bronze Top, 6" Round Top Floor Drain With 4" Outlet	917.83	158.56
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0006	EA	Cast Iron Top, 9" Round Top Floor Drain With 2" Outlet	832.84	129.89
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0007	EA	Cast Iron Top, 9" Round Top Floor Drain With 3" Outlet	860.54	143.68
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0008	EA	Cast Iron Top, 9" Round Top Floor Drain With 4" Outlet	890.14	158.56
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0009	EA	Nikaloy Top, 9" Round Top Floor Drain With 2" Outlet	1,403.17	129.89
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0010	EA	Nikaloy Top, 9" Round Top Floor Drain With 3" Outlet	1,430.87	143.68
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0011	EA	Nikaloy Top, 9" Round Top Floor Drain With 4" Outlet	1,460.47	158.56
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0012	EA	Bronze Top, 9" Round Top Floor Drain With 2" Outlet	1,320.11	129.89
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0013	EA	Bronze Top, 9" Round Top Floor Drain With 3" Outlet	1,347.66	143.68
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0014	EA	Bronze Top, 9" Round Top Floor Drain With 4" Outlet	1,377.41	158.56
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0015	EA	Cast Iron Top, 12-5/8" Round Top Floor Drain With 2" Outlet	1,452.88	129.78
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Bronze Dome Grate, Add	*218.50*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0016	EA	Cast Iron Top, 12-5/8" Round Top Floor Drain With 3" Outlet	1,480.56	143.68
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Bronze Dome Grate, Add	*218.50*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0017	EA	Cast Iron Top, 12-5/8" Round Top Floor Drain With 4" Outlet	1,510.31	158.56
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Bronze Dome Grate, Add	*218.50*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0018	EA	Nikaloy Top, 12-5/8" Round Top Floor Drain With 2" Outlet	2,305.61	129.78
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Bronze Dome Grate, Add	*218.50*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0019	EA	Nikaloy Top, 12-5/8" Round Top Floor Drain With 3" Outlet	2,333.29	143.68
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Bronze Dome Grate, Add	*218.50*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0020	EA	Nikaloy Top, 12-5/8" Round Top Floor Drain With 4" Outlet	2,363.04	158.56
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Bronze Dome Grate, Add	*218.50*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0021	EA	Bronze Top, 12-5/8" Round Top Floor Drain With 2" Outlet	2,192.09	129.78
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Bronze Dome Grate, Add	*218.50*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0022	EA	Bronze Top, 12-5/8" Round Top Floor Drain With 3" Outlet	2,219.77	143.68
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Bronze Dome Grate, Add	*218.50*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0023	EA	Bronze Top, 12-5/8" Round Top Floor Drain With 4" Outlet	2,249.52	158.56
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Bronze Dome Grate, Add	*218.50*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0024		**Square Or Rectangular Top Drains** *(22 13 19 13)*		
22 13 19 13-0025	EA	5" x 5" Floor Drain With 2" Bottom Outlet, Nikaloy Top	990.52	129.78
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0026	EA	5" x 5" Floor Drain With 3" Bottom Outlet, Nikaloy Top	1,018.50	143.79
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0027	EA	5" x 5" Floor Drain With 4" Bottom Outlet, Nikaloy Top	1,047.95	158.56
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0028	EA	6" x 6" Floor Drain With 2" Bottom Outlet, Nikaloy Top	1,073.58	129.78
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0029	EA	6" x 6" Floor Drain With 3" Bottom Outlet, Nikaloy Top	1,101.56	143.79
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0030	EA	6" x 6" Floor Drain With 4" Bottom Outlet, Nikaloy Top	1,131.01	158.56
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0031	EA	8" x 8" Floor Drain With 2" Bottom Outlet, Nikaloy Top	1,439.03	129.78
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0032	EA	8" x 8" Floor Drain With 3" Bottom Outlet, Nikaloy Top	1,467.01	143.79
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0033	EA	8" x 8" Floor Drain With 4" Bottom Outlet, Nikaloy Top	1,496.46	158.56
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0034	EA	5" x 5" Floor Drain With 2" Bottom Outlet, Bronze Top	929.61	129.78
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0035	EA	5" x 5" Floor Drain With 3" Bottom Outlet, Bronze Top	957.59	143.79
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0036	EA	5" x 5" Floor Drain With 4" Bottom Outlet, Bronze Top	987.04	158.56
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0037	EA	6" x 6" Floor Drain With 2" Bottom Outlet, Bronze Top	1,034.82	129.78
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0038	EA	6" x 6" Floor Drain With 3" Bottom Outlet, Bronze Top	1,062.80	143.79
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0039	EA	6" x 6" Floor Drain With 4" Bottom Outlet, Bronze Top	1,092.25	158.56
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0040	EA	8" x 8" Floor Drain With 2" Bottom Outlet, Bronze Top	1,331.06	129.78
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0041	EA	8" x 8" Floor Drain With 3" Bottom Outlet, Bronze Top	1,359.04	143.79
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0042	EA	8" x 8" Floor Drain With 4" Bottom Outlet, Bronze Top	1,388.49	158.56
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0043	EA	12" x 12" Can Wash Drain With 3" Bottom Outlet, Cast Iron Top	3,496.40	143.79
		For Galvanized Cast Iron Parts, Add	*318.00*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Chained Grate, Add	*48.50*	
22 13 19 13-0044	EA	12" x 12" Can Wash Drain With 4" Bottom Outlet, Cast Iron Top	3,525.85	158.56
		For Galvanized Cast Iron Parts, Add	*318.00*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Chained Grate, Add	*48.50*	
22 13 19 13-0045	EA	12" x 12" Can Wash Drain With 3" Bottom Outlet, Nikaloy Top	4,398.96	143.79
		For Galvanized Cast Iron Parts, Add	*318.00*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Chained Grate, Add	*48.50*	
22 13 19 13-0046	EA	12" x 12" Can Wash Drain With 4" Bottom Outlet, Nikaloy Top	4,428.41	158.56
		For Galvanized Cast Iron Parts, Add	*318.00*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Chained Grate, Add	*48.50*	
22 13 19 13-0047	EA	12" x 12" Can Wash Drain With 3" Bottom Outlet, Bronze Top	4,290.99	143.79
		For Galvanized Cast Iron Parts, Add	*318.00*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Chained Grate, Add	*48.50*	
22 13 19 13-0048	EA	12" x 12" Can Wash Drain With 4" Bottom Outlet, Bronze Top	4,320.44	158.56
		For Galvanized Cast Iron Parts, Add	*318.00*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Chained Grate, Add	*48.50*	
22 13 19 13-0049	EA	5" x 9" Floor Drain With 2" Bottom Outlet, Nikaloy Top	1,461.18	129.78
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0050	EA	5" x 9" Floor Drain With 3" Bottom Outlet, Nikaloy Top	1,489.16	143.79
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0051	EA	5" x 9" Floor Drain With 4" Bottom Outlet, Nikaloy Top	1,518.61	158.56
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0052	EA	5" x 13" Floor Drain With 2" Bottom Outlet, Nikaloy Top	1,890.32	129.78
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0053	EA	5" x 13" Floor Drain With 3" Bottom Outlet, Nikaloy Top	1,918.30	143.79
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0054	EA	5" x 13" Floor Drain With 4" Bottom Outlet, Nikaloy Top	1,947.75	158.56
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0055	EA	5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Nikaloy Top	1,989.99	129.78
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0056	EA	5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Nikaloy Top	2,017.97	143.79
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0057	EA	5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Nikaloy Top	2,047.42	158.56
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0058	EA	5" x 21" Floor Drain With 2" Bottom Outlet, Nikaloy Top	2,762.42	129.78
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0059	EA	5" x 21" Floor Drain With 3" Bottom Outlet, Nikaloy Top	2,790.40	143.79
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0060	EA	5" x 21" Floor Drain With 4" Bottom Outlet, Nikaloy Top	2,819.85	158.56
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0061	EA	5" x 9" Floor Drain With 2" Bottom Outlet, Bronze Top	1,372.59	129.78
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0062	EA	5" x 9" Floor Drain With 3" Bottom Outlet, Bronze Top	1,400.57	143.79
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0063	EA	5" x 9" Floor Drain With 4" Bottom Outlet, Bronze Top	1,430.02	158.56
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0064	EA	5" x 13" Floor Drain With 2" Bottom Outlet, Bronze Top	1,738.04	129.78
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0065	EA	5" x 13" Floor Drain With 3" Bottom Outlet, Bronze Top	1,766.02	143.79
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0066	EA	5" x 13" Floor Drain With 4" Bottom Outlet, Bronze Top	1,795.47	158.56
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0067	EA	5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Bronze Top	1,837.71	129.78
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0068	EA	5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Bronze Top	1,865.69	143.79
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0069	EA	5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Bronze Top	1,895.14	158.56
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0070	EA	5" x 21" Floor Drain With 2" Bottom Outlet, Bronze Top	2,466.18	129.78
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0071	EA	5" x 21" Floor Drain With 3" Bottom Outlet, Bronze Top	2,494.16	143.79
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0072	EA	5" x 21" Floor Drain With 4" Bottom Outlet, Bronze Top	2,523.61	158.56
		For Rough Bronze Body, Add	*120.94*	
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	

22 13 19 13-0073 Funnel Type Floor Drains *(22 13 19 13)*

22 13 19 13-0074	EA	7" Diameter Floor Drain With 4" Round Funnel With 1-1/2" Outlet, Bronze Top	1,380.78	115.88
		For Vandal Proof Screws, Add	*11.00*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
22 13 19 13-0075	EA	7" Diameter Floor Drain With 4" Round Funnel With 2" Outlet, Bronze Top	1,408.58	129.78
		For Vandal Proof Screws, Add	*11.00*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
22 13 19 13-0076	EA	7" Diameter Floor Drain With 4" Round Funnel With 3" Outlet, Bronze Top	1,436.26	143.68
		For Vandal Proof Screws, Add	*11.00*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
22 13 19 13-0077	EA	7" Diameter Floor Drain With 4" Round Funnel With 4" Outlet, Bronze Top	1,466.01	158.56
		For Vandal Proof Screws, Add	*11.00*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
22 13 19 13-0078	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Nikaloy Top	2,031.51	129.78
		For Vandal Proof Screws, Add	*11.00*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
22 13 19 13-0079	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Nikaloy Top	2,059.19	143.68
		For Vandal Proof Screws, Add	*11.00*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
22 13 19 13-0080	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Nikaloy Top	2,088.94	158.56
		For Vandal Proof Screws, Add	*11.00*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
22 13 19 13-0081	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Bronze Top	1,923.54	129.78
		For Vandal Proof Screws, Add	*11.00*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
22 13 19 13-0082	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Bronze Top	1,951.22	143.68
		For Vandal Proof Screws, Add	*11.00*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
22 13 19 13-0083	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Bronze Top	1,980.97	158.56
		For Vandal Proof Screws, Add	*11.00*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	

22 13 19 13-0084 Floor Drain With Sediment Bucket Bottom Outlet *(22 13 19 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0085	EA	12-5/8" Round Floor Drain With Sediment Bucket, 2" Bottom Outlet, Satin Bronze Top, Without Trap	2,964.32	115.88
		For Galvanized Cast Iron Parts, Add	*247.00*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0086	EA	12-5/8" Round Floor Drain With Sediment Bucket, 3" Bottom Outlet, Satin Bronze Top, Without Trap	2,992.22	129.78
		For Galvanized Cast Iron Parts, Add	*247.00*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0087	EA	12-5/8" Round Floor Drain With Sediment Bucket, 4" Bottom Outlet, Satin Bronze Top, Without Trap	3,019.90	143.68
		For Galvanized Cast Iron Parts, Add	*247.00*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0088	EA	12-5/8" Round Floor Drain With Sediment Bucket, 5" Bottom Outlet, Satin Bronze Top, Without Trap	3,049.65	158.56
		For Galvanized Cast Iron Parts, Add	*247.00*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0089	EA	12-5/8" Round Floor Drain With Sediment Bucket, 6" Bottom Outlet, Satin Bronze Top, Without Trap	3,080.32	173.87
		For Galvanized Cast Iron Parts, Add	*247.00*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0090	EA	12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Nikaloy Top, Heavy-Duty Loose-Set Cast Iron Grate	3,202.63	129.78
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0091	EA	12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Nikaloy Top, Heavy-Duty Loose-Set Cast Iron Grate	3,230.61	143.79
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0092	EA	12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Nikaloy Top, Heavy-Duty Loose-Set Cast Iron Grate	3,260.06	158.56
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0093	EA	12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Nikaloy Top, Heavy-Duty Loose-Set Cast Iron Grate	3,290.73	173.87
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0094	EA	12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Cast Iron Top, Heavy-Duty Loose-Set Cast Iron Grate	1,953.99	129.78
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0095	EA	12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Cast Iron Top, Heavy-Duty Loose-Set Cast Iron Grate	1,981.97	143.79
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0096	EA	12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Cast Iron Top, Heavy-Duty Loose-Set Cast Iron Grate	2,011.42	158.56
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0097	EA	12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Cast Iron Top, Heavy-Duty Loose-Set Cast Iron Grate	2,042.09	173.87
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0098	EA	12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Bronze Top, Heavy-Duty Loose-Set Cast Iron Grate	2,986.68	129.78
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0099	EA	12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Bronze Top, Heavy-Duty Loose-Set Cast Iron Grate	3,014.66	143.79
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0100	EA	12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Bronze Top, Heavy-Duty Loose-Set Cast Iron Grate	3,044.11	158.56
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0101	EA	12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Bronze Top, Heavy-Duty Loose-Set Cast Iron Grate	3,074.78	173.87
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	

22 13 19 13-0102 Other Drains *(22 13 19 13)*

22 13 19 13-0103 Shower Drains *(22 13 19 13-0102)*

22 13 19 13-0104	EA	4-1/4" Stainless Steel Shower Drain Strainer Note: Includes two 2-5/8" screws.	52.61	11.71
22 13 19 13-0105	EA	4-1/4" Brass Shower Drain Strainer Note: Includes two 2-5/8" screws.	58.74	11.71
22 13 19 13-0106	EA	4" Brass Shower Drain For Polyvinyl Chloride (PVC) Pipe Note: Fits over 2" polyvinyl chloride (PVC) pipe or inside 3" polyvinyl chloride (PVC) pipe.	120.55	23.41
22 13 19 13-0107	EA	4" Chrome Finish, Threaded Brass Shower Drain And Gasket Note: For 2" pipe. Kohler K-9132.	155.76	23.41

22 13 19 13-0108 Acid Resistant Floor Drains *(22 13 19 13-0102)*

22 13 19 13-0109	EA	9" Diameter Floor Drain With 2" Bottom Outlet, Acid Resistant Top	1,391.75	115.88
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0110	EA	9" Diameter Floor Drain With 3" Bottom Outlet, Acid Resistant Top	1,419.65	129.78
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0111	EA	9" Diameter Floor Drain With 4" Bottom Outlet, Acid Resistant Top	1,447.33	143.68
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	

22 13 19 13-0112 Rotary And Lever Drains *(22 13 19 13-0102)*

22 13 19 13-0113	EA	Lever Drain, 1-1/2" Drain, 3" Sink Opening	271.59	78.15
22 13 19 13-0114	EA	Lever Drain, 2" Drain, 3" Sink Opening	287.76	86.23
22 13 19 13-0115	EA	Lever Drain, 1-1/2" Drain, 3-1/2" Sink Opening	271.59	78.15
22 13 19 13-0116	EA	Lever Drain, 2" Drain, 3-1/2" Sink Opening	287.76	86.23
22 13 19 13-0117	EA	Twist Drain, 1-1/2" Drain, 3" Sink Opening	271.59	78.15
22 13 19 13-0118	EA	Twist Drain, 2" Drain, 3" Sink Opening	287.76	86.23
22 13 19 13-0119	EA	Twist Drain, 1-1/2" Drain, 3-1/2" Sink Opening	271.59	78.15
22 13 19 13-0120	EA	Twist Drain, 2" Drain, 3-1/2" Sink Opening	287.76	86.23
22 13 19 13-0121	EA	Rotary Twist Drain, 1-1/2" To 2" Drain, 3-1/2" Sink Opening (Fisher 16100)	376.71	86.23

22 13 19 13-0122 Floor Receptor *(22 13 19 13)*

22 13 19 13-0123 9" Diameter Round Shallow Receptor *(22 13 19 13-0122)*

Note: With slotted medium duty grate, aluminum secondary strainer and white acid resisting coated interior and top.

22 13 19 13-0124	EA	9" Diameter x 3" Shallow Cast Iron Floor Receptor, 2" Drain Connection	1,710.54	129.89
		For Flange With Seepage Holes, Add	*58.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*97.00*	
		For Trap Primer Connection, Add	*38.00*	
		For Full Grate With 2" (50 mm) Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*33.50*	
		For White Acid Resistant Bucket, Add	*47.00*	
		For Stainless Steel Liner For Bucket, Add	*62.50*	
22 13 19 13-0125	EA	9" Diameter x 3" Shallow Cast Iron Floor Receptor, 3" Drain Connection	1,738.65	143.90
		For Flange With Seepage Holes, Add	*58.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*97.00*	
		For Trap Primer Connection, Add	*38.00*	
		For Full Grate With 2" (50 mm) Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*33.50*	
		For White Acid Resistant Bucket, Add	*47.00*	
		For Stainless Steel Liner For Bucket, Add	*62.50*	
22 13 19 13-0126	EA	9" Diameter x 3" Shallow Cast Iron Floor Receptor, 4" Drain Connection	1,767.79	158.56
		For Flange With Seepage Holes, Add	*58.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*97.00*	
		For Trap Primer Connection, Add	*38.00*	
		For Full Grate With 2" (50 mm) Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*33.50*	
		For White Acid Resistant Bucket, Add	*47.00*	
		For Stainless Steel Liner For Bucket, Add	*62.50*	

22 13 19 13-0127 Square Top Floor Receptors *(22 13 19 13-0122)*

Note: With acid resistant coating.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0128	EA	8" x 8" Floor Drain With 1-1/2" Bottom Outlet, Acid Resistant Top	2,025.86	115.88
		For Flange With Seepage Holes, Add	*37.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*69.00*	
		For Trap Primer Connection, Add	*39.50*	
		For Full Grate With 2" Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*15.50*	
		For White Acid Resistant Bucket, Add	*88.00*	
		For Stainless Steel Liner For Bucket, Add	*97.00*	
22 13 19 13-0129	EA	8" x 8" Floor Drain With 2" Bottom Outlet, Acid Resistant Top	2,053.79	129.89
		For Flange With Seepage Holes, Add	*37.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*69.00*	
		For Trap Primer Connection, Add	*39.50*	
		For Full Grate With 2" Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*15.50*	
		For White Acid Resistant Bucket, Add	*88.00*	
		For Stainless Steel Liner For Bucket, Add	*97.00*	
22 13 19 13-0130	EA	8" x 8" Floor Drain With 3" Bottom Outlet, Acid Resistant Top	2,081.34	143.68
		For Flange With Seepage Holes, Add	*37.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*69.00*	
		For Trap Primer Connection, Add	*39.50*	
		For Full Grate With 2" Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*15.50*	
		For White Acid Resistant Bucket, Add	*88.00*	
		For Stainless Steel Liner For Bucket, Add	*97.00*	
22 13 19 13-0131	EA	8" x 8" Floor Drain With 4" Bottom Outlet, Acid Resistant Top	2,111.09	158.56
		For Flange With Seepage Holes, Add	*37.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*69.00*	
		For Trap Primer Connection, Add	*39.50*	
		For Full Grate With 2" Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*15.50*	
		For White Acid Resistant Bucket, Add	*88.00*	
		For Stainless Steel Liner For Bucket, Add	*97.00*	

22 13 19 13-0132 Floor Drain Accessories *(22 13 19 13)*

22 13 19 13-0133	EA	3" Trap Guard Floor Drain Insert (ProVent TG3H) Note: Prevents emission of sewer gases.	113.93	13.48
22 13 19 13-0134	EA	2" Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG22) Note: Prevents emission of sewer gases.	92.18	13.48
22 13 19 13-0135	EA	3" Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG33) Note: Prevents emission of sewer gases.	100.88	13.48
22 13 19 13-0136	EA	3" Trap Guard Drain Insert For 4" Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG34IP) Note: Prevents emission of sewer gases.	122.62	13.48
22 13 19 13-0137	EA	3" Trap Guard Drain Insert For 4" Hub (ProVent TG34TP) Note: Prevents emission of sewer gases.	109.58	13.48
22 13 19 13-0138	EA	2" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-02) Note: Prevents emission of sewer gases.	157.65	13.48
22 13 19 13-0139	EA	3" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-03) Note: Prevents emission of sewer gases.	175.15	13.48
22 13 19 13-0140	EA	4" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-04) Note: Prevents emission of sewer gases.	218.57	13.48

22 13 19 26 Grease Removal Devices *(22 13 19)*

22 13 19 26-0001 Manual Cleaning Epoxy Coated Steel Grease Interceptor *(22 13 19 26)*

Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval and flow control fitting.

22 13 19 26-0002 Standard Manual Cleaning Epoxy Coated Steel Grease Interceptor *(22 13 19 26-0001)*

Note: Josam 60100H/60210A, Smith 8100/8400, Wade 5100, or Zurn Z1173/Z1170 series.

22 13 19 26-0003	EA	7 GPM, 14 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60102H.	1,335.71	80.85
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,320.09*	
22 13 19 26-0004	EA	10 GPM, 20 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60103H.	1,558.74	181.90
		For Flange And Clamp Device, Add	*381.43*	
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,395.34*	
22 13 19 26-0005	EA	15 GPM, 30 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60104H.	2,218.26	202.10
		For Flange And Clamp Device, Add	*394.90*	
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,524.03*	
22 13 19 26-0006	EA	20 GPM, 40 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60105H.	2,681.69	222.32
		For Flange And Clamp Device, Add	*408.38*	
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,647.28*	
22 13 19 26-0007	EA	25 GPM, 50 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60106H.	3,003.13	242.53
		For Flange And Clamp Device, Add	*452.25*	
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,715.81*	
22 13 19 26-0008	EA	35 GPM, 70 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60107H.	3,689.59	282.95
		For Flange And Clamp Device, Add	*490.40*	
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,888.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 26-0009	EA	50 GPM, 100 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60108H.	4,817.79	323.37
		For Flange And Clamp Device, Add	*558.30*	
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*2,014.57*	
22 13 19 26-0010	EA	75 GPM, 150 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60109H.	9,500.23	363.79
		For Flange And Clamp Device, Add	*786.53*	
22 13 19 26-0011	EA	100 GPM, 200 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60110H.	10,752.46	457.80
		For Flange And Clamp Device, Add	*913.20*	
22 13 19 26-0012	EA	150 GPM, 300 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60213A.	13,251.54	732.48
		For Flange And Clamp Device, Add	*1,256.32*	
22 13 19 26-0013	EA	200 GPM, 400 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60214A.	19,028.01	915.60
		For Flange And Clamp Device, Add	*1,507.68*	
22 13 19 26-0014	EA	250 GPM, 500 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60215A.	22,193.84	1,098.72
		For Flange And Clamp Device, Add	*1,942.72*	
22 13 19 26-0015	EA	350 GPM, 700 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60216A,.	28,850.78	1,281.84
		For Flange And Clamp Device, Add	*2,302.56*	
22 13 19 26-0016	EA	500 GPM, 1,000 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60217A.	37,343.06	1,464.96
		For Flange And Clamp Device, Add	*2,697.92*	
22 13 19 26-0017		**Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor** *(22 13 19 26-0001)* Note: Josam 60110A, Smith 8100, Wade 5100LR, or Zurn Z1171 series.		
22 13 19 26-0018	EA	20 GPM, 40 Lb. Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60115A.	3,871.70	222.32
22 13 19 26-0019	EA	35 GPM, 70 Lb. Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60117A.	4,981.02	282.95
22 13 19 26-0020	EA	50 GPM, 100 Lb. Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Smith 8150.	8,231.53	323.37
22 13 19 26-0021		**Semi-Automatic Cleaning Epoxy Coated Steel Grease Interceptor** *(22 13 19 26)* Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval, grease recovery cone, flexible hose, grease draw off valve and flow control fitting.		
22 13 19 26-0022		**Standard Semi-Automatic Cleaning Epoxy Coated Steel Grease Interceptor** *(22 13 19 26-0021)* Note: Josam 60100-SA, Smith 8300GTX, Wade 5100JCX, or Zurn Z1173-TD series.		
22 13 19 26-0023	EA	7 GPM, 14 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60102-SA.	3,406.20	80.85
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,320.09*	
22 13 19 26-0024	EA	10 GPM, 20 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60103-SA.	4,006.36	181.90
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,395.34*	
22 13 19 26-0025	EA	15 GPM, 30 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60104-SA.	4,279.73	202.10
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,524.03*	
22 13 19 26-0026	EA	20 GPM, 40 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60105-SA.	5,225.47	222.32
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,647.28*	
22 13 19 26-0027	EA	25 GPM, 50 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60106-SA.	6,301.93	242.53
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,715.81*	
22 13 19 26-0028	EA	35 GPM, 70 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60107-SA.	6,512.84	282.95
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,888.71*	
22 13 19 26-0029	EA	50 GPM, 100 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60108-SA.	7,434.44	323.37
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*2,014.57*	
22 13 19 26-0030		**Low Profile Semi-Automatic Cleaning Epoxy Coated Steel Grease Interceptor** *(22 13 19 26-0021)* Note: Josam 60115A-SA, Smith 8100GTX, or Zurn Z1171-TD series.		
22 13 19 26-0031	EA	35 GPM, 70 Lb. Capacity Low Profile Semi-Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60115A-SA.	8,760.63	282.95
22 13 19 26-0032		**Automatic Cleaning Stainless Steel Grease Interceptor** *(22 13 19 26)*		
22 13 19 26-0033	EA	20 GPM, 69 Lb. Capacity Automatic Cleaning Stainless Steel Grease Interceptor Note: Includes stainless steel screen basket, plastic grease container with lid and control box with digital timer (Lowe Engineering 20 Greasestopper).	7,447.86	222.32
22 13 19 26-0034	EA	25 GPM, 91 Lb. Capacity Automatic Cleaning Stainless Steel Grease Interceptor Note: Includes stainless steel screen basket, plastic grease container with lid and control box with digital timer (Lowe Engineering 25 Greasestopper).	8,667.00	242.53
22 13 19 26-0035	EA	35 GPM, 70 Lb. Capacity, 110 Volt, Automatic Cleaning Stainless Steel Grease Trap/Removal Device (Guardian GGX35)	7,419.01	282.95

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LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 26-0036		**Precast Concrete Grease Interceptor** *(22 13 19 26)*		
		Note: Includes two access manholes, cast iron non-skid surface, lift hole, frame and cover for heavy-traffic.		
22 13 19 26-0037	EA	1,000 Gallon Pre-Cast Grease Interceptor	5,568.83	419.79
22 13 19 26-0038	EA	1,250 Gallon Pre-Cast Grease Interceptor	6,369.76	419.79
22 13 19 26-0039	EA	1,500 Gallon Pre-Cast Grease Interceptor	7,229.66	479.92
22 13 19 26-0040	EA	2,000 Gallon Pre-Cast Grease Interceptor	8,230.93	677.76
22 13 19 26-0041	EA	2,500 Gallon Pre-Cast Grease Interceptor	9,271.74	911.88
22 13 19 26-0042	EA	4,000 Gallon Pre-Cast Grease Interceptor	13,901.79	1,199.74
22 13 19 26-0043	EA	5,000 Gallon Pre-Cast Grease Interceptor	17,859.87	1,967.38
22 13 19 26-0044		**Coated Steel Manual Oil Interceptor** *(22 13 19 26)*		
		Note: Includes internal air relief, and flow control fitting.		
22 13 19 26-0045	EA	10 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	7,400.43	307.85
22 13 19 26-0046	EA	15 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	10,039.88	365.80
22 13 19 26-0047	EA	20 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	12,148.88	450.08
22 13 19 26-0048	EA	25 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	13,193.70	487.54
22 13 19 26-0049	EA	35 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	15,918.38	532.02
22 13 19 26-0050	EA	50 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	21,150.36	585.28
22 13 19 26-0051	EA	75 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	35,950.86	673.69
22 13 19 26-0052	EA	100 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	39,174.30	828.91
22 13 19 26-0053	EA	150 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	48,267.86	898.44
22 13 19 26-0054	EA	200 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	67,812.59	1,077.90
22 13 19 26-0055	EA	250 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	78,347.51	1,158.75
22 13 19 26-0056	EA	350 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	98,837.46	1,381.88
22 13 19 26-0057	EA	400 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	120,115.07	1,132.34
22 13 19 26-0058	EA	500 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	142,280.78	1,347.39
22 13 19 33		**Backwater Valves** *(22 13 19)*		
22 13 19 33-0001		**Cast Iron Body Terminal Backwater Valves** *(22 13 19 33)*		
22 13 19 33-0002	EA	2" Cast Iron Body Terminal Backwater Valve	767.46	30.93
22 13 19 33-0003	EA	3" Cast Iron Body Terminal Backwater Valve	779.32	38.91
22 13 19 33-0004	EA	4" Cast Iron Body Terminal Backwater Valve	1,128.78	51.73
22 13 19 33-0005	EA	6" Cast Iron Body Terminal Backwater Valve	3,114.67	73.79
22 13 19 33-0006	EA	8" Cast Iron Body Terminal Backwater Valve	3,801.74	97.11
22 13 19 33-0007	EA	10" Cast Iron Body Terminal Backwater Valve	11,168.43	119.81
22 13 19 33-0008	EA	12" Cast Iron Body Terminal Backwater Valve	12,631.44	155.39
22 13 19 33-0009		**Cast Iron Backwater Sewer Line Valve** *(22 13 19 33)*		
		Note: Offset type with bronze swing check assembly, threaded bronze cover, and bell and spigot connections.		
22 13 19 33-0010	EA	2" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	1,876.17	73.75
22 13 19 33-0011	EA	3" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	2,889.88	89.47
22 13 19 33-0012	EA	4" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	3,567.94	115.34
22 13 19 33-0013	EA	6" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	5,061.22	134.06
22 13 19 33-0014	EA	8" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	7,052.87	158.86
22 13 19 33-0015		**Cast Iron, Straight Through Shear Gate, Swing Check Backwater Valve** *(22 13 19 33)*		
		Note: Offset type with bronze, manually operated shear gate, non-rising stem, and bell and spigot connections.		
22 13 19 33-0016	EA	3" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve	5,256.03	116.74
22 13 19 33-0017	EA	4" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve	5,313.80	155.21
22 13 19 33-0018	EA	5" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve	7,779.91	198.56
22 13 19 33-0019	EA	6" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve	7,814.43	221.36
22 13 19 33-0020		**Polyvinyl Chloride (PVC) Backwater Sewer Line Valve** *(22 13 19 33)*		
		Note: Oatey.		
22 13 19 33-0021	EA	3" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43900)	143.38	38.91
22 13 19 33-0022	EA	4" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43904)	171.38	51.73
22 13 19 33-0023	EA	6" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43908)	510.45	73.79
22 13 19 33-0024		**Polyvinyl Chloride (PVC) Extendable Backwater Valves** *(22 13 19 33)*		
22 13 19 33-0025	EA	3" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check)	339.02	77.82
		Note: Includes valve body, flapper assembly and collar.		
22 13 19 33-0026	EA	4" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check)	451.44	103.48
		Note: Includes valve body, flapper assembly and collar.		
22 13 19 33-0027	EA	6" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check)	788.47	147.57
		Note: Includes valve body, flapper assembly and collar.		
22 13 19 36		**Air-Admittance Valves** *(22 13 19)*		
22 13 19 36-0001		**Acrylonitrile Butadiene Styrene (ABS) And Polyvinyl Chloride (PVC) Automatic Drain Vent** *(22 13 19 36)*		
22 13 19 36-0002	EA	1-1/4", 1-1/2" And 2" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Mini Vent	189.18	15.09

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 36-0003	EA	2", 3" And 4" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Maxi Vent	225.42	15.09

22 13 23 Sanitary Waste Interceptors *(22 13)*

22 13 23 00-0001 Sediment Bucket Solids Interceptors *(22 13 23)*

22 13 23 00-0002	EA	1-1/2" Or 2" Top Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zurn 1180) Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	1,317.41	152.64
22 13 23 00-0003	EA	1-1/2" Or 2" Bottom Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zurn 1184) Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	1,319.07	152.64
22 13 23 00-0004	EA	1-1/2" Or 2" Top Access, Acid Resistant Coated Steel (Inside And Outside), Aluminum Cover, Removable Stainless Steel Sediment Bucket Solids Interceptor (Jay R. Smith 8714 ARIO) Note: On floor mount. Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	1,857.94	152.64
22 13 23 00-0005	EA	1-1/2" Or 2" Bottom Access, 15 GPM, Acid Resistant Coated Cast Iron, Aluminum Strainer, Removable Stainless Steel Screens, Sediment Bucket Solids Interceptor (Jay R. Smith 8730-ARIO) Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	1,857.94	152.64
22 13 23 00-0006	EA	1-1/2" Or 2" Top Access, Acid Resistant Coated Cast Aluminum (Inside And Outside) Removable Stainless Steel Screen, Sediment Bucket Solids Interceptor (Josam 61030) Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	1,979.93	152.64

22 13 23 00-0007 Solid Interceptors, Cast Iron With Internal Deep Seal Trap *(22 13 23)*

22 13 23 00-0008	EA	1-1/2" Inlet Cast Iron Solid Interceptor, Painted Enamel	326.96	52.20
		For Stainless Steel Bucket, Add	*175.00*	
22 13 23 00-0009	EA	2" Inlet Cast Iron Solid Interceptor, Painted Enamel	333.63	55.61
		For Stainless Steel Bucket, Add	*175.00*	

22 13 23 00-0010 Sediment Strainers *(22 13 23)*

22 13 23 00-0011	EA	2" Strainer, Pump Suction Side	190.62	71.15

22 13 29 Sanitary Sewerage Pumps *(22 13)*

Note: Includes extra set of gaskets, bearings and seals.

22 13 29 13 Wet-Pit-Mounted, Vertical Sewerage Pumps *(22 13 29)*

22 13 29 13-0001 Vertical Column, Flanged Discharge, Non-Clog Sump Or Drainage Pumps (Crane-Deming Series 4500) *(22 13 29 13)*

Note: Mounted on steel support plate. Excludes float and float switch, and sump cover See CSI section 22 13 29 13-0030 for float and float switch, 22 13 29 13-0034 for sump cover.

22 13 29 13-0002 1-1/2" Solids 1,750 RPM Vertical Sump Or Drainage Pumps *(22 13 29 13-0001)*

22 13 29 13-0003	EA	1/2 HP, Up To 75 GPM Sump Or Drainage Pump, Vertical Non-Clog, 2-1/2" Discharge Pipe, 1,750 RPM	7,756.70	1,293.06
22 13 29 13-0004	EA	3/4 HP, Up To 125 GPM Sump Or Drainage Pump, Vertical Non-Clog, 2-1/2" Discharge Pipe, 1,750 RPM	8,074.51	1,293.06
22 13 29 13-0005	EA	1 HP, Up To 150 GPM Sump Or Drainage Pump, Vertical Non-Clog, 2-1/2" Discharge Pipe, 1,750 RPM	8,392.32	1,293.06
22 13 29 13-0006	EA	1-1/2 HP, Up To 150 GPM Sump Or Drainage Pump, Vertical Non-Clog, 2-1/2" Discharge Pipe, 1,750 RPM	8,695.47	1,293.06

22 13 29 13-0007 2" Solids 1,750 RPM Vertical Sump Or Drainage Pumps *(22 13 29 13-0001)*

22 13 29 13-0008	EA	3/4 HP, Up To 75 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM	8,636.79	1,293.06
22 13 29 13-0009	EA	1 HP, Up To 100 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM	8,759.03	1,293.06
22 13 29 13-0010	EA	2 HP, Up To 200 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM	8,844.59	1,293.06
22 13 29 13-0011	EA	3 HP, Up To 300 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM	9,431.32	1,293.06
22 13 29 13-0012	EA	5 HP, Up To 400 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM	10,005.82	1,293.06
22 13 29 13-0013	EA	7-1/2 HP, Up To 500 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM	10,885.92	1,293.06
22 13 29 13-0014	EA	10 HP, Up To 600 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM	11,766.01	1,293.06
22 13 29 13-0015	EA	15 HP, Up To 600 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM	13,501.54	1,720.77

22 13 29 13-0016 3" Solids 1,750 RPM Vertical Sump Or Drainage Pumps *(22 13 29 13-0001)*

22 13 29 13-0017	EA	2 HP, Up To 300 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Discharge Pipe, 1,750 RPM	9,249.27	1,293.06
22 13 29 13-0018	EA	3 HP, Up To 400 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Discharge Pipe, 1,750 RPM	9,249.27	1,293.06
22 13 29 13-0019	EA	5 HP, Up To 500 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Discharge Pipe, 1,750 RPM	9,461.04	1,293.06
22 13 29 13-0020	EA	7-1/2 HP, Up To 700 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Discharge Pipe, 1,750 RPM	11,104.27	1,293.06
22 13 29 13-0021	EA	10 HP, Up To 800 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Discharge Pipe, 1,750 RPM	11,392.52	1,293.06
22 13 29 13-0022	EA	15 HP, Up To 900 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Discharge Pipe, 1,750 RPM	13,602.94	1,720.77
22 13 29 13-0023	EA	20 HP, Up To 900 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Discharge Pipe, 1,750 RPM	14,336.35	1,720.77

22 13 29 13-0024 Extra Column Assemblies Addition, 5' Or Less *(22 13 29 13-0001)*

22 13 29 13-0025	EA	2-1/2" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	544.22
22 13 29 13-0026	EA	3" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	653.44
22 13 29 13-0027	EA	4" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	730.37
22 13 29 13-0028	EA	5" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	743.67

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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 13-0029	EA	6" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	834.84	
22 13 29 13-0030		**Float Switches** *(22 13 29 13-0001)*		
		Note: Copper coated floats, brass rods and stops and switch brackets.		
22 13 29 13-0031	EA	Float Switch Copper Coated Float, Add, General Purpose For vertical sewage pumps	489.13	
22 13 29 13-0032	EA	Float Switch Copper Coated Float, Add, Weather Proof For vertical sewage pumps	513.82	
22 13 29 13-0033	EA	Float Switch Copper Coated Float, Add, Explosion Proof For vertical sewage pumps	525.22	
22 13 29 13-0034		**Square Or Round Steel Sump Covers** *(22 13 29 13-0001)*		
22 13 29 13-0035	EA	24" Steel Sump Covers, Square Or Round	936.65	43.11
22 13 29 13-0036	EA	30" Steel Sump Covers, Square Or Round	1,036.77	48.50
22 13 29 13-0037	EA	36" Steel Sump Covers, Square Or Round	1,439.87	64.68
22 13 29 13-0038	EA	40" Steel Sump Covers, Square Or Round	2,098.08	75.46
22 13 29 13-0039	EA	42" Steel Sump Covers, Square Or Round	2,250.64	78.15
22 13 29 13-0040	EA	48" Steel Sump Covers, Square Or Round	2,407.71	80.85
22 13 29 13-0041	EA	54" Steel Sump Covers, Square Or Round	3,069.85	97.01
22 13 29 13-0042	EA	60" Steel Sump Covers, Square Or Round	4,169.67	107.79
22 13 29 13-0043	EA	72" Steel Sump Covers, Square Or Round	5,287.83	134.74
22 13 29 13-0044	EA	84" Steel Sump Covers, Square Or Round	6,732.51	148.21
22 13 29 16		**Submersible Sewerage Pumps** *(22 13 29)*		
22 13 29 16-0001		**Submersible Sewage Pumps With Vortex Impeller** *(22 13 29 16)*		
22 13 29 16-0002		**Submersible Single Seal Sewage Pumps With Cast Iron Vortex Impeller** *(22 13 29 16-0001)*		
		Note: Includes 25' cord.		
22 13 29 16-0003	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,625.04	78.43
22 13 29 16-0004	EA	1/2 HP Automatic Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,734.74	78.43
22 13 29 16-0005	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,700.99	78.43
22 13 29 16-0006	EA	1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,862.72	78.43
22 13 29 16-0007	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,862.72	78.43
22 13 29 16-0008	EA	1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,963.44	98.03
22 13 29 16-0009	EA	1 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	2,106.90	98.03
22 13 29 16-0010	EA	1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	2,125.18	98.03
22 13 29 16-0011		**Submersible Single Seal Sewage Pumps With Bronze Vortex Impeller** *(22 13 29 16-0001)*		
		Note: Includes 20' cord.		
22 13 29 16-0012	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,655.98	78.43
22 13 29 16-0013	EA	1/2 HP Automatic Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,813.50	78.43
22 13 29 16-0014	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,738.96	78.43
22 13 29 16-0015	EA	1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,890.85	78.43
22 13 29 16-0016	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,027.27	78.43
22 13 29 16-0017	EA	1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,876.25	98.03
22 13 29 16-0018	EA	1 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,039.39	98.03
22 13 29 16-0019	EA	1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,037.98	98.03
22 13 29 16-0020	EA	1-1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,314.82	158.03
22 13 29 16-0021	EA	1-1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,452.65	158.03
22 13 29 16-0022	EA	1-1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,476.56	158.03
22 13 29 16-0023	EA	2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,464.23	193.14
22 13 29 16-0024	EA	2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,621.75	193.14
22 13 29 16-0025	EA	2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,625.97	193.14
22 13 29 16-0026		**Submersible Double Seal Sewage Pumps With Bronze Vortex Impeller** *(22 13 29 16-0001)*		
		Note: Includes 20' cord.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 16-0027	EA	1/2 HP Manual Submersible Double Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,971.01	78.43
22 13 29 16-0028	EA	1/2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,238.23	78.43
22 13 29 16-0029	EA	1 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron And Bronze Impeller	2,175.81	98.03
22 13 29 16-0030	EA	1 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron And Bronze Impeller	2,337.55	98.03
22 13 29 16-0031	EA	1-1/2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,636.89	158.03
22 13 29 16-0032	EA	1-1/2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,798.62	158.03
22 13 29 16-0033	EA	2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,787.70	193.14
22 13 29 16-0034	EA	2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,949.44	193.14
22 13 29 16-0035		**Submersible Sewage Pumps With Semi-Open Impeller** *(22 13 29 16)*		
		Note: Includes 25' of cord with pump.		
22 13 29 16-0036	EA	1 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	4,847.08	98.03
22 13 29 16-0037	EA	1.5 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	5,172.19	166.77
22 13 29 16-0038	EA	2 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	5,530.19	203.84
22 13 29 16-0039	EA	3 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	5,774.78	247.06
22 13 29 16-0040	EA	5 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	6,476.87	290.30
22 13 29 16-0041	EA	7.5 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Ironl Housing And Semi-Open Impeller	7,232.46	333.54
22 13 29 16-0042		**Submersible Sewage Pumps, Explosion Proof** *(22 13 29 16)*		
		Note: Includes 25' of cord with pump.		
22 13 29 16-0043	EA	1 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	7,618.94	351.31
22 13 29 16-0044	EA	1 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	7,022.28	351.31
22 13 29 16-0045	EA	1 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	7,022.28	351.31
22 13 29 16-0046	EA	1.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	7,967.51	468.40
22 13 29 16-0047	EA	1.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	7,370.85	468.40
22 13 29 16-0048	EA	1.5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	7,370.85	468.40
22 13 29 16-0049	EA	2 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	8,439.13	585.51
22 13 29 16-0050	EA	2 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	7,842.47	585.51
22 13 29 16-0051	EA	2 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	7,842.47	585.51
22 13 29 16-0052	EA	3 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	8,795.15	702.61
22 13 29 16-0053	EA	3 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	8,198.49	702.61
22 13 29 16-0054	EA	3 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	8,198.49	702.61
22 13 29 16-0055	EA	5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	9,706.82	819.71
22 13 29 16-0056	EA	5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	9,110.16	819.71
22 13 29 16-0057	EA	5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	9,110.16	819.71
22 13 29 16-0058	EA	7.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	10,035.51	936.82
22 13 29 16-0059	EA	7.5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	10,035.51	936.82
22 13 29 16-0060		**Submersible Sewage Pump Accessories** *(22 13 29 16)*		
22 13 29 16-0061	EA	Simplex Plug In Pump Control Panel with Alarm Float Only, 115 Volt, 1 Phase, 0-15 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump Note: Includes alarm horn, warning light and alarm float switch.	797.81	94.55
22 13 29 16-0062	EA	Simplex Plug In Pump Control Panel with Alarm Float Only, 230 Volt, 1 Phase, 0-15 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump Note: Includes alarm horn, warning light, and alarm float switch.	824.68	94.55
22 13 29 16-0063	EA	Simplex Control Panel With 3 Floats, 115/208/230 Volt, 1 Phase, 0-20 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump Note: Includes alarm horn, warning light, HOA switch and three 20' control float switches.	1,638.85	126.07

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 16-0064	EA	Simplex Control Panel 208/230/460 Volt, 3 Phase, 1-23 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump Note: Includes alarm horn and warning light. Control float switches not included.	2,326.84	126.07
22 13 29 16-0065	EA	Simplex Intrinsically Safe Control Panel, 230 Volt, 1 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors Note: Includes alarm horn and warning light. Control float switches not included.	4,813.72	126.07
22 13 29 16-0066	EA	Simplex Intrinsically Safe Control Panel, 200/230/460 Volt, 3 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors Note: Includes alarm horn and warning light. Control float switches not included.	5,036.64	126.07
22 13 29 16-0067	EA	Duplex Intrinsically Safe Control Panel, 230 Volt, 1 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors Note: Includes alarm horn and warning light. Control float switches not included.	8,052.58	157.58
22 13 29 16-0068	EA	Duplex Intrinsically Safe Control Panel, 200/230/460 Volt, 3 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors Note: Includes alarm horn and warning light. Control float switches not included.	6,784.42	157.58
22 13 29 16-0069	EA	Electrical Alternator Duplex Control Panel with 3 Floats, 115 Volt, 1 Phase, 7-20 Amperes Range, Indoor NEMA 1 Enclosure For Submersible Sewage Pumps Note: Includes alarm horn, warning light, and three 20' float switches.	1,813.42	157.58
22 13 29 16-0070	EA	Electrical Alternator Duplex Control Panel With 3 Floats, 115 Volt, 1 Phase, 7-20 Amperes Range, Indoor NEMA 4X Enclosure For Submersible Sewage Pumps Note: Includes alarm horn, warning light, and three 20' float switches.	2,001.54	157.58
22 13 29 16-0071	EA	Electrical Alternator Duplex Control Panel With 3 Floats, 115/200/230 Volt, 1 Phase, 0-20 Amperes, Indoor NEMA 1 Enclosure For Submersible Sewage Pumps Note: Includes alarm horn, warning light, and three 20' float switches.	1,919.57	157.58
22 13 29 16-0072	EA	Electrical Alternator Duplex Control Panel With 3 Floats, 115/200/230 Volt, 1 Phase, 0-30 Amperes Range, Indoor NEMA 4X Enclosure For Submersible Sewage Pumps Note: Includes alarm horn, warning light, and three 20' float switches.	2,089.11	157.58
22 13 29 16-0073	EA	Electrical Alternator Duplex Control Panel, 200/230/460 Volt, 3 Phase, 1-25 Amperes Range, Indoor/Outdoor NEMA 4X Enclosure For Submersible Sewage Pumps Note: Includes alarm horn and warning light. Float switches not included.	3,603.39	157.58
22 13 29 16-0074	EA	Alarm System, 115 Volt, Indoor/Outdoor 4X Enclosure Note: Includes alarm horn, warning light and 15' tethered float.	664.91	63.03
22 13 29 16-0075	EA	Variable Level (Clamp Type) Float Switch With 15' Cord Note: Not for use with Intrinsically Safe Control Systems.	122.16	31.52
22 13 29 16-0076	EA	Variable Level (Clamp Type) Float Switch With 15' Cord For Intrinsically Safe Control Systems Only	138.01	31.52
22 13 29 16-0077	EA	Variable Level (Adjustable Weight Type) Float Switch With 25' Cord Note: Not for use with Intrinsically Safe Control Systems.	158.27	31.52
22 13 29 16-0078	EA	Variable Level (Adjustable Weight Type) Float Switch With 25' Cord For Intrinsically Safe Control Systems Only	155.02	31.52
22 13 29 16-0079	EA	Float Switch Tree With (3) 15' Floats Note: Not for use with Intrinsically Safe Control Systems.	486.60	31.52
22 13 29 16-0080	EA	Float Switch Tree And (3) Floats With 15' Cords For Intrinsically Safe Control Systems Only	496.72	31.52
22 13 29 16-0081	EA	Float Switch Tree And (4) Floats With 15' Cords Note: Not for use with Intrinsically Safe Control Systems.	542.52	31.52
22 13 29 16-0082	EA	Float Switch Tree And (4) Floats With 15' Cords For Intrinsically Safe Control Systems Only	565.90	31.52
22 13 29 16-0083	EA	Float Switch Tree Note: Tree only.	256.16	31.52
22 13 29 16-0084	EA	Adjustable Weight For Float Switch	66.94	15.75
22 13 29 16-0085	EA	Rail And Disconnect System, Stainless Steel, For 2" Horizontal Discharge Note: Lifting equipment not included.	1,368.60	94.55
22 13 29 16-0086	EA	Rail And Disconnect System, Stainless Steel, For 3" Horizontal Discharge Note: Lifting equipment not included.	2,150.54	126.07
22 13 29 16-0087	EA	Rail And Disconnect System, Stainless Steel, For 4" Horizontal Discharge Note: Lifting equipment not included.	2,810.48	157.58
22 13 29 16-0088	EA	Rail And Disconnect System, Stainless Steel Non-Spearking, For 3" Horizontal Discharge	2,754.14	94.55
22 13 29 16-0089	EA	Rail And Disconnect System, Stainless Steel Non-Spearking, For 4" Horizontal Discharge	3,893.34	94.55
22 13 29 16-0090	EA	Intermediate Guide Rail Bracket, Stainless Steel, For 2" Rail System	386.09	63.03
22 13 29 16-0091	EA	Intermediate Guide Rail Bracket, Stainless Steel, For 3" Rail Systems	687.40	78.79
22 13 29 16-0092	EA	Intermediate Guide Rail Bracket, Stainless Steel, For 4" Rail Systems	685.37	94.55
22 13 29 16-0093	EA	12' Stainless Steel Lifting Cable	190.24	31.52
22 13 29 16-0094	EA	Disconnect Fitting For 2" Horizontal Discharge Note: Used for shallow systems where guide rails are not necessary.	383.16	31.52

22 13 29 33 Sewerage Pump Basins and Pits *(22 13 29)*

22 13 29 33-0001 Sewage Sump Pump Basin *(22 13 29 33)*

22 13 29 33-0002 High-Density Polyethylene (HDPE) Basin *(22 13 29 33-0001)*

22 13 29 33-0003	EA	18" Diameter x 24" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	154.51	
22 13 29 33-0004	EA	18" Diameter x 30" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	200.95	
22 13 29 33-0005	EA	24" Diameter x 30" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	464.97	
22 13 29 33-0006	EA	24" Diameter x 36" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	655.10	
22 13 29 33-0007	EA	30" Diameter x 36" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	845.22	
22 13 29 33-0008	EA	36" Diameter x 36" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	984.03	

22 13 29 33-0009 Fiberglass Basin *(22 13 29 33-0001)*

22 13 29 33-0010	EA	18" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub	395.98	
22 13 29 33-0011	EA	24" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub	811.22	
22 13 29 33-0012	EA	30" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub	1,461.18	
22 13 29 33-0013	EA	36" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub	1,969.12	
22 13 29 33-0014	EA	36" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub	2,269.70	
22 13 29 33-0015	EA	36" Diameter x 60" High Fiberglass Basin And Lid With Inlet And Hub	2,397.07	
22 13 29 33-0016	EA	36" Diameter x 72" High Fiberglass Basin And Lid With Inlet And Hub	2,817.19	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 33-0017	EA	48" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub	3,271.98	

22 13 29 36 Explosion Proof Submersible Sewerage Pumps *(22 13 29)*

22 13 29 36-0001 Wet Pit Submersible Sewer Pump, Explosion Proof Class 1, Div 1 And 2, 4 Pole, 1,750 RPM (Ebara) *(22 13 29 36)*

22 13 29 36-0002 Ebara 3" Model DLFU Wet Pit Submersible Sewage Pump, 2HP - 30HP *(22 13 29 36-0001)*

22 13 29 36-0003	EA	2 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLFU61.5	3,218.91	215.58
		For 20' Stainless Steel Chain, Add	*284.75*	
		For 3" x 3" Discharge Elbow, Add	*152.15*	
		For 3" x 4" Discharge Elbow, Add	*184.45*	
		For Guide Rail System, Add	*381.65*	
22 13 29 36-0004	EA	2 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLMFU61.5	3,218.91	215.58
		For 20' Stainless Steel Chain, Add	*284.75*	
		For 3" x 3" Discharge Elbow, Add	*152.15*	
		For 3" x 4" Discharge Elbow, Add	*184.45*	
		For Guide Rail System, Add	*381.65*	
22 13 29 36-0005	EA	3 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLFU62.2	4,210.20	258.69
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	
22 13 29 36-0006	EA	3 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLMFU62.2	4,092.25	258.69
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 3" x 3" Discharge Elbow, Add	*152.15*	
		For 3" x 4" Discharge Elbow, Add	*184.45*	
		For Guide Rail System, Add	*381.65*	
22 13 29 36-0007	EA	5 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLFU63.7	4,733.74	344.93
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	
22 13 29 36-0008	EA	5 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLMFU63.7	4,853.87	344.93
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 3" x 3" Discharge Elbow, Add	*152.15*	
		For 3" x 4" Discharge Elbow, Add	*184.45*	
		For Guide Rail System, Add	*381.65*	
22 13 29 36-0009	EA	7.5 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLFU65.5	6,537.21	431.16
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	
22 13 29 36-0010	EA	7.5 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLMFU65.5	6,591.81	431.16
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 3" x 3" Discharge Elbow, Add	*152.15*	
		For 3" x 4" Discharge Elbow, Add	*184.45*	
		For Guide Rail System, Add	*381.65*	
22 13 29 36-0011	EA	10 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLFU67.5	7,629.74	517.40
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	
22 13 29 36-0012	EA	10 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLCMFU67.5	7,596.98	517.40
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 3" x 3" Discharge Elbow, Add	*152.15*	
		For 3" x 4" Discharge Elbow, Add	*184.45*	
		For Guide Rail System, Add	*589.90*	
22 13 29 36-0013	EA	15 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLFU611	8,795.43	603.63
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	
22 13 29 36-0014	EA	15 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLCMFU611	8,761.57	603.63
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 3" x 3" Discharge Elbow, Add	*152.15*	
		For 3" x 4" Discharge Elbow, Add	*184.45*	
		For Guide Rail System, Add	*589.90*	
22 13 29 36-0015	EA	20 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLFU615	10,055.05	689.87
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	
22 13 29 36-0016	EA	25 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLFU618	12,373.97	776.09
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 36-0017	EA	30 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLFU622	13,775.55	862.32
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	
22 13 29 36-0018		Ebara 4" Model DLFU Wet Pit Submersible Sewage Pump, 2HP - 30HP *(22 13 29 36-0001)*		
22 13 29 36-0019	EA	2 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU61.5	3,887.27	215.58
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 3" x 3" Discharge Elbow, Add	*152.15*	
		For 3" x 4" Discharge Elbow, Add	*184.45*	
		For Guide Rail System, Add	*381.65*	
22 13 29 36-0020	EA	3 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU62.2	4,384.93	258.69
		For 20' Stainless Steel Chain, Add	*284.75*	
		For 3" x 3" Discharge Elbow, Add	*152.15*	
		For 3" x 4" Discharge Elbow, Add	*184.45*	
		For Guide Rail System, Add	*381.65*	
22 13 29 36-0021	EA	3 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLMFU62.2	4,210.20	258.69
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	
22 13 29 36-0022	EA	5 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU63.7	4,967.45	344.93
		For 20' Stainless Steel Chain, Add	*284.75*	
		For 3" x 3" Discharge Elbow, Add	*152.15*	
		For 3" x 4" Discharge Elbow, Add	*184.45*	
		For Guide Rail System, Add	*381.65*	
22 13 29 36-0023	EA	5 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFMU63.7	4,733.74	344.93
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	
22 13 29 36-0024	EA	7.5 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU65.5	7,411.96	431.16
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 5" x 4" Discharge Elbow, Add	*285.60*	
		For 5" x 6" Discharge Elbow, Add	*277.95*	
		For Guide Rail System, Add	*1,064.20*	
22 13 29 36-0025	EA	7.5 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLMFU65.5	6,537.21	431.16
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	
22 13 29 36-0026	EA	10 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU67.5	8,132.09	517.40
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 5" x 4" Discharge Elbow, Add	*285.60*	
		For 5" x 6" Discharge Elbow, Add	*277.95*	
		For Guide Rail System, Add	*1,064.20*	
22 13 29 36-0027	EA	10 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLMFU67.5	7,629.74	517.40
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	
22 13 29 36-0028	EA	15 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU611	9,253.01	603.63
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 5" x 4" Discharge Elbow, Add	*285.60*	
		For 5" x 6" Discharge Elbow, Add	*277.95*	
		For Guide Rail System, Add	*754.80*	
22 13 29 36-0029	EA	15 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLMFU611	8,795.43	603.63
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	
22 13 29 36-0030	EA	20 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU615	10,545.39	689.87
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 5" x 4" Discharge Elbow, Add	*285.60*	
		For 5" x 6" Discharge Elbow, Add	*277.95*	
		For Guide Rail System, Add	*1,064.20*	
22 13 29 36-0031	EA	20 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLMFU615	10,055.05	689.87
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	
22 13 29 36-0032	EA	25 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU618	12,700.50	776.09
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 5" x 4" Discharge Elbow, Add	*285.60*	
		For 5" x 6" Discharge Elbow, Add	*277.95*	
		For Guide Rail System, Add	*1,064.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 36-0033	EA	25 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLMFU618	12,373.97	776.09
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	
22 13 29 36-0034	EA	30 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU622	14,091.16	862.32
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 5" x 4" Discharge Elbow, Add	*285.60*	
		For 5" x 6" Discharge Elbow, Add	*277.95*	
		For Guide Rail System, Add	*1,064.20*	
22 13 29 36-0035	EA	30 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLMFU622	13,775.55	862.32
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	
22 13 29 36-0036	EA	30 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU630	21,058.63	862.32
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	
22 13 29 36-0037	EA	30 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU637	26,122.61	862.32
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	
22 13 29 36-0038	EA	30 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU645	27,620.94	862.32
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	

22 13 29 36-0039 Ebara 6" Model DLFU Wet Pit Submersible Sewage Pump, 10 HP - 60 HP

(22 13 29 36-0001)

22 13 29 36-0040	EA	10 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, 40 Ft Cable, Ebara 150DLFU67.5	8,458.63	517.40
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 6" x 6" Discharge Elbow, Add	*323.85*	
		For 6" x 8" Discharge Elbow, Add	*471.75*	
		For Guide Rail System, Add	*1,206.15*	
22 13 29 36-0041	EA	15 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, 40 Ft Cable, Ebara 150DLFU611	9,583.91	603.63
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 6" x 6" Discharge Elbow, Add	*323.85*	
		For 6" x 8" Discharge Elbow, Add	*471.75*	
		For Guide Rail System, Add	*1,206.15*	
22 13 29 36-0042	EA	20 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, 40 Ft Cable, Ebara 150DLFU615	10,844.62	689.87
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 6" x 6" Discharge Elbow, Add	*323.85*	
		For 6" x 8" Discharge Elbow, Add	*471.75*	
		For Guide Rail System, Add	*1,206.15*	
22 13 29 36-0043	EA	25 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, 40 Ft Cable, Ebara 150DLFU618	12,549.80	776.09
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 6" x 6" Discharge Elbow, Add	*323.85*	
		For 6" x 8" Discharge Elbow, Add	*471.75*	
		For Guide Rail System, Add	*1,206.15*	
22 13 29 36-0044	EA	30 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, 40 Ft Cable, Ebara 150DLFU622	14,699.45	862.32
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 6" x 6" Discharge Elbow, Add	*323.85*	
		For 6" x 8" Discharge Elbow, Add	*471.75*	
		For Guide Rail System, Add	*1,206.15*	
22 13 29 36-0045	EA	40 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, 40 Ft Cable, Ebara 150DLFU630	21,743.81	948.56
		For 20' Stainless Steel Chain, Add	*423.30*	
		For Guide Rail System, Add	*2,537.25*	
22 13 29 36-0046	EA	50 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, 40 Ft Cable, Ebara 150DLFU637	26,677.17	1,034.79
		For 20' Stainless Steel Chain, Add	*423.30*	
		For Guide Rail System, Add	*2,537.25*	
22 13 29 36-0047	EA	60 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, 40 Ft Cable, Ebara 150DLFU645	28,393.27	1,121.03
		For 20' Stainless Steel Chain, Add	*423.30*	
		For Guide Rail System, Add	*2,537.25*	

22 13 29 36-0048 Ebara 8" Model DLFU Wet Pit Submersible Sewage Pump, 10 HP - 60 HP

(22 13 29 36-0001)

22 13 29 36-0049	EA	10 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, 40 Ft Cable, Ebara 200DLFU675	8,955.52	517.40
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 6" x 6" Discharge Elbow, Add	*323.85*	
		For 6" x 8" Discharge Elbow, Add	*471.75*	
		For Guide Rail System, Add	*1,206.15*	
22 13 29 36-0050	EA	15 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, 40 Ft Cable, Ebara 200DLFU611	9,665.82	603.63
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 6" x 6" Discharge Elbow, Add	*323.85*	
		For 6" x 8" Discharge Elbow, Add	*471.75*	
		For Guide Rail System, Add	*1,206.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 36-0051	EA	20 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, 40 Ft Cable, Ebara 200DLFU61	10,854.45	689.87
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 6" x 6" Discharge Elbow, Add	*323.85*	
		For 6" x 8" Discharge Elbow, Add	*471.75*	
		For Guide Rail System, Add	*1,206.15*	
22 13 29 36-0052	EA	25 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, 40 Ft Cable, Ebara 200DLFU618	12,549.80	776.09
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 6" x 6" Discharge Elbow, Add	*323.85*	
		For 6" x 8" Discharge Elbow, Add	*471.75*	
		For Guide Rail System, Add	*1,206.15*	
22 13 29 36-0053	EA	30 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, 40 Ft Cable, Ebara 200DLFU622	14,699.45	862.32
		For 20' Stainless Steel Chain, Add	*423.30*	
		For 6" x 6" Discharge Elbow, Add	*323.85*	
		For 6" x 8" Discharge Elbow, Add	*471.75*	
		For Guide Rail System, Add	*1,206.15*	
22 13 29 36-0054	EA	40 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, 40 Ft Cable, Ebara 200DLFU630	21,398.71	948.56
		For 20' Stainless Steel Chain, Add	*423.30*	
		For Guide Rail System, Add	*4,195.60*	
22 13 29 36-0055	EA	50 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, 40 Ft Cable, Ebara 200DLFU637	26,840.98	1,034.79
		For 20' Stainless Steel Chain, Add	*423.30*	
		For Guide Rail System, Add	*4,195.60*	
22 13 29 36-0056	EA	60 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, 40 Ft Cable, Ebara 200DLFU645	28,564.73	1,121.03
		For 20' Stainless Steel Chain, Add	*423.30*	
		For Guide Rail System, Add	*4,195.60*	
22 13 29 36-0057		Ebara 10" Model DLFU Wet Pit Submersible Sewage Pump, 15 HP - 60 HP *(22 13 29 36-0001)*		
22 13 29 36-0058	EA	15 HP Wet Pit Submersible Sump Pump, 10" Discharge, 3 Phase, 40 Ft Cable, Ebara 250DLFU611	11,095.35	603.63
		For 20' Stainless Steel Chain, Add	*423.30*	
		For Guide Rail System, Add	*3,562.35*	
22 13 29 36-0059	EA	20 HP Wet Pit Submersible Sump Pump, 10" Discharge, 3 Phase, 40 Ft Cable, Ebara 250DLBFU615	12,142.01	689.87
		For 20' Stainless Steel Chain, Add	*423.30*	
		For Guide Rail System, Add	*3,562.35*	
22 13 29 36-0060	EA	20 HP Wet Pit Submersible Sump Pump, 10" Discharge, 3 Phase, 40 Ft Cable, Ebara 250DLCFU615	12,906.47	689.87
		For 20' Stainless Steel Chain, Add	*423.30*	
		For Guide Rail System, Add	*3,562.35*	
22 13 29 36-0061	EA	25 HP Wet Pit Submersible Sump Pump, 10" Discharge, 3 Phase, 40 Ft Cable, Ebara 250DLFU618	14,711.02	776.09
		For 20' Stainless Steel Chain, Add	*423.30*	
		For Guide Rail System, Add	*3,562.35*	
22 13 29 36-0062	EA	30 HP Wet Pit Submersible Sump Pump, 10" Discharge, 3 Phase, 40 Ft Cable, Ebara 250DLFU622	15,988.11	862.32
		For 20' Stainless Steel Chain, Add	*423.30*	
		For Guide Rail System, Add	*3,562.35*	
22 13 29 36-0063	EA	40 HP Wet Pit Submersible Sump Pump, 10" Discharge, 3 Phase, 40 Ft Cable, Ebara 250DLFU630	22,874.11	948.56
		For 20' Stainless Steel Chain, Add	*423.30*	
		For Guide Rail System, Add	*3,562.35*	
22 13 29 36-0064	EA	50 HP Wet Pit Submersible Sump Pump, 10" Discharge, 3 Phase, 40 Ft Cable, Ebara 250DLFU637	28,558.83	1,034.79
		For 20' Stainless Steel Chain, Add	*423.30*	
		For Guide Rail System, Add	*3,562.35*	
22 13 29 36-0065	EA	60 HP Wet Pit Submersible Sump Pump, 10" Discharge, 3 Phase, 40 Ft Cable, Ebara 250DLFU645	30,283.66	1,121.03
		For 20' Stainless Steel Chain, Add	*423.30*	
		For Guide Rail System, Add	*3,562.35*	
22 13 29 36-0066		Ebara 12" Model DLFU Wet Pit Submersible Sewage Pump, 25HP - 60HP *(22 13 29 36-0001)*		
22 13 29 36-0067	EA	25 HP Wet Pit Submersible Sump Pump, 12" Discharge, 3 Phase, 40 Ft Cable, Ebara 300DLFU618	15,383.74	776.09
		For 20' Stainless Steel Chain, Add	*423.30*	
		For Guide Rail System, Add	*3,562.35*	
22 13 29 36-0068	EA	30 HP Wet Pit Submersible Sump Pump, 12" Discharge, 3 Phase, 40 Ft Cable, Ebara 300DLFU622	16,635.71	862.32
		For 20' Stainless Steel Chain, Add	*423.30*	
		For Guide Rail System, Add	*3,562.35*	
22 13 29 36-0069	EA	40 HP Wet Pit Submersible Sump Pump, 12" Discharge, 3 Phase, 40 Ft Cable, Ebara 300DLFU630	23,561.03	948.56
		For 20' Stainless Steel Chain, Add	*423.30*	
		For Guide Rail System, Add	*3,562.35*	
22 13 29 36-0070	EA	50 HP Wet Pit Submersible Sump Pump, 12" Discharge, 3 Phase, 40 Ft Cable, Ebara 300DLFU637	29,191.14	1,034.79
		For 20' Stainless Steel Chain, Add	*423.30*	
		For Guide Rail System, Add	*3,562.35*	
22 13 29 36-0071	EA	60 HP Wet Pit Submersible Sump Pump, 12" Discharge, 3 Phase, 40 Ft Cable, Ebara 300DLFU645	30,907.24	1,121.03
		For 20' Stainless Steel Chain, Add	*423.30*	
		For Guide Rail System, Add	*3,562.35*	
22 13 29 36-0072		Wet Pit Submersible Sewer Pump, Explosion Proof Class 1, Div 1 And 2, 4 And 6 Pole, 1,750 And 1,180 RPM (Ebara) *(22 13 29 36)*		
22 13 29 36-0073		Ebara 6", 8", 10", 12" Model DSC Submersible Sewage Pumps, 75 HP - 245 HP *(22 13 29 36-0072)*		
22 13 29 36-0074	EA	75 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, Ebara DSC G0852	89,402.76	1,207.26
		For 20' Stainless Steel Chain, Add	*423.30*	
		For Guide Rail System, Add	*4,420.00*	
22 13 29 36-0075	EA	75 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, Ebara DSC E1052	97,756.08	1,207.26
		For 20' Stainless Steel Chain, Add	*423.30*	
		For Guide Rail System, Add	*4,420.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 36-0076	EA	100 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, Ebara DSC G0932	100,756.14	1,336.61
		For 20' Stainless Steel Chain, Add	*423.30*	
		For Guide Rail System, Add	*4,420.00*	
22 13 29 36-0077	EA	100 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, Ebara DSC E1052	103,103.02	1,336.61
		For Guide Rail System, Add	*4,420.00*	
		For 20' Stainless Steel Chain, Add	*590.75*	
22 13 29 36-0078	EA	100 HP Wet Pit Submersible Sump Pump, 12" Discharge, 3 Phase, Ebara DSC C1203	90,830.22	1,336.61
		For Guide Rail System, Add	*5,695.00*	
		For 20' Stainless Steel Chain, Add	*590.75*	
22 13 29 36-0079	EA	120 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, Ebara DSC G1012	117,481.47	1,465.95
		For Guide Rail System, Add	*5,270.00*	
		For 20' Stainless Steel Chain, Add	*590.75*	
22 13 29 36-0080	EA	120 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, Ebara DSC E1152	105,004.45	1,465.95
		For Guide Rail System, Add	*5,270.00*	
		For 20' Stainless Steel Chain, Add	*590.75*	
22 13 29 36-0081	EA	145 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, Ebara DSC G1012	105,109.08	1,638.42
		For Guide Rail System, Add	*6,375.00*	
		For 20' Stainless Steel Chain, Add	*590.75*	
22 13 29 36-0082	EA	145 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, Ebara DSC F1102	124,765.43	1,638.42
		For Guide Rail System, Add	*6,375.00*	
		For 20' Stainless Steel Chain, Add	*590.75*	
22 13 29 36-0083	EA	200 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, Ebara DSC F1102	142,020.08	1,810.88
		For Guide Rail System, Add	*6,970.00*	
		For 20' Stainless Steel Chain, Add	*845.75*	
22 13 29 36-0084	EA	200 HP Wet Pit Submersible Sump Pump, 10" Discharge, 3 Phase, Ebara DSC G1102	142,020.08	1,810.88
		For Guide Rail System, Add	*6,970.00*	
		For 20' Stainless Steel Chain, Add	*845.75*	
22 13 29 36-0085	EA	245 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, Ebara DSC G1102	147,201.79	1,983.35
		For Guide Rail System, Add	*9,180.00*	
		For 20' Stainless Steel Chain, Add	*845.75*	
22 13 29 36-0086	EA	245 HP Wet Pit Submersible Sump Pump, 10" Discharge, 3 Phase, Ebara DSC E1262	149,276.74	1,983.35
		For Guide Rail System, Add	*9,180.00*	
		For 20' Stainless Steel Chain, Add	*845.75*	

22 13 29 36-0087 Dry Pit Submersible Sewer Pump, Explosion Proof Class 1, Div 1 And 2, 4 Pole, 1,750 RPM (Ebara) *(22 13 29 36)*

22 13 29 36-0088 Ebara Model DLFU Dry Pit Submersible Sewage Pump, 15 HP - 60 HP *(22 13 29 36-0087)*

22 13 29 36-0089	EA	3" x 4" 15 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 100x80DDLFU611	13,942.40	603.63
22 13 29 36-0090	EA	3" x 4" 20 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 100x80DDLFU615	15,665.06	689.87
22 13 29 36-0091	EA	3" x 4" 25 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 100x80DDLFU618	17,140.90	776.09
22 13 29 36-0092	EA	3" x 4" 30 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 100x80DDLFU622	18,226.87	862.32
22 13 29 36-0093	EA	4" x 6" 15 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 150x100DDLFU611	14,408.72	603.63
22 13 29 36-0094	EA	4" x 6" 20 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 150x100DDLFU615	15,731.68	689.87
22 13 29 36-0095	EA	4" x 6" 25 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 150x100DDLFU618	17,606.13	776.09
22 13 29 36-0096	EA	4" x 6" 30 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 150x100DDLFU622	18,938.91	862.32
22 13 29 36-0097	EA	4" x 6" 40 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 150x100DDLFU61130	26,657.08	948.56
22 13 29 36-0098	EA	4" x 6" 50 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 150x100DDLFU637	31,263.91	1,034.79
22 13 29 36-0099	EA	4" x 6" 60 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 150x100DDLFU645	32,502.77	1,121.03
22 13 29 36-0100	EA	8" x 10" 15 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 200x150DDLFU611	14,877.22	603.63
22 13 29 36-0101	EA	8" x 10" 20 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 200x150DDLFU615	16,014.53	689.87
22 13 29 36-0102	EA	8" x 10" 25 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 200x150DDLFU618	17,728.44	776.09
22 13 29 36-0103	EA	8" x 10" 30 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 200x150DDLFU622	19,375.74	862.32
22 13 29 36-0104	EA	8" x 10" 40 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 200x150DDLFU630	27,449.93	948.56
22 13 29 36-0105	EA	8" x 10" 50 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 200x150DDLFU637	33,899.10	1,034.79
22 13 29 36-0106	EA	8" x 10" 60 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 200x150DDLFU645	34,281.77	1,121.03
22 13 29 36-0107	EA	8" X 8" 30 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 200x200DDLFU630	28,412.70	862.32
22 13 29 36-0108	EA	8" X 8" 50 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 200x200DDLFU637	34,000.66	1,034.79
22 13 29 36-0109	EA	8" X 8" 60 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 200x200DDLFU645	34,542.77	1,121.03
22 13 29 36-0110	EA	10" x 10" 40 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 250x250DDLFU630	33,785.08	948.56
22 13 29 36-0111	EA	10" x 10" 50 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 250x250DDLFU637	34,000.66	1,034.79
22 13 29 36-0112	EA	10" x 10" 60 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 250x250DDLFU645	34,564.61	1,121.03
22 13 29 36-0113	EA	12" X 12" 40 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 300x300DDLFU630	29,060.74	948.56
22 13 29 36-0114	EA	12" X 12" 50 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 300x300DDLFU637	34,166.66	1,034.79
22 13 29 36-0115	EA	12" X 12" 60 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 300x300DDLFU645	34,629.05	1,121.03

22 13 29 36-0116 Dry Pit Submersible Sewer Pump, Explosion Proof Class 1, Div 1 And 2, 4 And 6 Pole, 1,750 And 1,180 RPM (Ebara) *(22 13 29 36)*

22 13 29 36-0117 Ebara Model DSC Dry Pit Submersible Sewage Pump, 75 HP - 245 HP *(22 13 29 36-0116)*

22 13 29 36-0118	EA	10" x 6" 75 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC G0852	91,499.49	1,207.26
22 13 29 36-0119	EA	10" x 8" 75 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC E1052	99,868.50	1,207.26
22 13 29 36-0120	EA	10" x 6" 100 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC G0932	103,369.88	1,336.61
22 13 29 36-0121	EA	10" x 8" 100 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC E1052	105,446.90	1,336.61
22 13 29 36-0122	EA	16" x 12" 100 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC C1203	92,018.07	1,336.61
22 13 29 36-0123	EA	10" x 6" 120 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC G1012	120,365.69	1,465.95
22 13 29 36-0124	EA	10" x 8" 120 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC E1152	105,770.28	1,465.95
22 13 29 36-0125	EA	10" x 6" 145 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC G1012	106,201.44	1,638.42
22 13 29 36-0126	EA	10" x 8" 145 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC F1102	125,661.47	1,638.42
22 13 29 36-0127	EA	12" x 8" 200 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC F1102	149,770.74	1,810.88

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LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 36-0128	EA	14" x 10" 200 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC G1102	146,331.93	1,746.21
22 13 29 36-0129	EA	12" x 8" 245 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC G1102	149,617.83	1,983.35
22 13 29 36-0130	EA	14" x 10" 245 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC E1262	149,617.83	1,983.35

22 13 33 Packaged, Submersible Sewerage Pump Units *(22 13)*

22 13 33 00-0001 Submersible Pumps (Flygt) *(22 13 33)*

22 13 33 00-0002 Wet Pit Submersible Pumps (Flygt) *(22 13 33 00-0001)*

22 13 33 00-0003 Wet Pit Submersible Explosion Proof Pumps (Flygt) *(22 13 33 00-0002)*

22 13 33 00-0004	EA	3 HP, 3" To 4" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3085) Note: FLS and 50' electrical cable	15,221.31	258.69
22 13 33 00-0005	EA	4 HP, 3" To 4" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3085) Note: FLS and 50' electrical cable	15,891.59	301.82
22 13 33 00-0006	EA	5 HP, 4" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3102) Note: FLS and 50' electrical cable	19,012.73	344.93
22 13 33 00-0007	EA	7 HP, 3" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3102) Note: FLS and 50' electrical cable	17,942.62	431.16
22 13 33 00-0008	EA	7.5 To 8.5 HP, 4" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3127) Note: FLS and 50' electrical cable	25,264.38	474.28
22 13 33 00-0009	EA	10 To 12 HP, 3" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3127) Note: FLS and 50' electrical cable	29,458.27	517.40
22 13 33 00-0010	EA	12 To 14 HP, 4" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3153) Note: FLS and 50' electrical cable	44,452.01	560.51
22 13 33 00-0011	EA	15 To 17 HP, 3" To 10" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3153) Note: FLS and 50' electrical cable	46,699.28	603.63
22 13 33 00-0012	EA	20 To 23 HP, 3" To 4" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3153) Note: FLS and 50' electrical cable	50,794.05	689.87
22 13 33 00-0013	EA	18 To 25 HP, 4" To 10" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3171) Note: FLS and 50' electrical cable	64,103.64	776.09
22 13 33 00-0014	EA	30 HP, 4" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3171) Note: FLS and 50' electrical cable	70,468.46	862.32
22 13 33 00-0015	EA	34 To 35 HP, 4" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3171) Note: FLS and 50' electrical cable	84,684.76	905.45
22 13 33 00-0016	EA	34 To 45 HP, 4" To 12" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3202) Note: FLS and 50' electrical cable	117,167.98	948.56
22 13 33 00-0017	EA	50 To 60 HP, 4" To 12" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3202) Note: FLS and 50' electrical cable	131,498.72	1,121.03
22 13 33 00-0018	EA	67 To 72 HP, 4" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3202) Note: FLS and 50' electrical cable	127,034.25	1,164.14
22 13 33 00-0019	EA	60 To 70 HP, 10" To 14" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3301) Note: FLS and 50' electrical cable	162,281.72	1,207.26
22 13 33 00-0020	EA	85 HP, 6" To 12" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3301) Note: FLS and 50' electrical cable	179,408.22	1,293.49
22 13 33 00-0021	EA	105 HP, 6" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3301) Note: FLS and 50' electrical cable	182,615.07	1,379.72
22 13 33 00-0022	EA	70 To 90 HP, 14" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3315) Note: FLS and 50' electrical cable	160,531.97	1,207.26
22 13 33 00-0023	EA	110 To 140 HP, 10" To 12" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3315) Note: FLS and 50' electrical cable	188,395.30	1,465.95
22 13 33 00-0024	EA	130 To 160 HP, 6" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3315) Note: FLS and 50' electrical cable	184,404.87	1,638.42
22 13 33 00-0025	EA	3 HP, 3" To 4" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3085) Note: FLS and 50' electrical cable	16,175.54	258.69
22 13 33 00-0026	EA	4 HP, 3" To 4" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3085) Note: FLS and 50' electrical cable	16,845.82	301.82
22 13 33 00-0027	EA	5 HP, 4" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3102) Note: FLS and 50' electrical cable	20,619.85	344.93
22 13 33 00-0028	EA	7 HP, 3" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3102) Note: FLS and 50' electrical cable	19,549.74	431.16
22 13 33 00-0029	EA	7.5 To 8.5 HP, 4" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3127) Note: FLS and 50' electrical cable	26,881.54	474.28
22 13 33 00-0030	EA	10 To 12 HP, 3" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3127) Note: FLS and 50' electrical cable	31,075.43	517.40
22 13 33 00-0031	EA	12 To 14 HP, 4" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3153) Note: FLS and 50' electrical cable	46,139.48	560.51
22 13 33 00-0032	EA	15 To 17 HP, 3" To 10" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3153) Note: FLS and 50' electrical cable	48,386.75	603.63
22 13 33 00-0033	EA	20 To 23 HP, 3" To 4" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3153) Note: FLS and 50' electrical cable	52,481.53	689.87
22 13 33 00-0034	EA	18 To 25 HP, 4" To 10" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3171) Note: FLS and 50' electrical cable	66,956.28	776.09
22 13 33 00-0035	EA	30 HP, 4" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3171) Note: FLS and 50' electrical cable	73,321.10	862.32

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 33 00-0036	EA	34 To 35 HP, 4" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3171) Note: FLS and 50' electrical cable	87,537.40	905.45
22 13 33 00-0037	EA	34 To 45 HP, 4" To 12" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3202) Note: FLS and 50' electrical cable	120,020.62	948.56
22 13 33 00-0038	EA	50 To 60 HP, 4" To 12" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3202) Note: FLS and 50' electrical cable	134,351.36	1,121.03
22 13 33 00-0039	EA	67 To 72 HP, 4" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3202) Note: FLS and 50' electrical cable	131,252.94	1,164.14
22 13 33 00-0040	EA	60 To 70 HP, 10" To 14" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3301) Note: FLS and 50' electrical cable	166,500.41	1,207.26
22 13 33 00-0041	EA	85 HP, 6" To 12" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3301) Note: FLS and 50' electrical cable	183,626.91	1,293.49
22 13 33 00-0042	EA	105 HP, 6" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3301) Note: FLS and 50' electrical cable	186,833.76	1,379.72
22 13 33 00-0043	EA	70 To 90 HP, 14" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3315) Note: FLS and 50' electrical cable	164,750.66	1,207.26
22 13 33 00-0044	EA	130 To 160 HP, 6" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3315) Note: FLS and 50' electrical cable	188,824.45	1,638.42

22 13 33 00-0045 Dry Pit Submersible Vertical Pumps (Flygt) *(22 13 33 00-0001)*

22 13 33 00-0046 Dry Pit Submersible Vertical Non-Explosion Proof Pumps (Flygt) *(22 13 33 00-0045)*

22 13 33 00-0047	EA	3 HP, 3" To 4" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3085) Note: FLS and 50' electrical cable. Includes stand and inlet elbow.	14,805.47	258.69
22 13 33 00-0048	EA	4 HP, 3" To 4" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3085) Note: FLS and 50' electrical cable. Includes stand and inlet elbow.	15,485.79	301.82
22 13 33 00-0049	EA	5 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3102) Note: FLS and 50' electrical cable. Includes stand and inlet elbow.	17,632.62	344.93
22 13 33 00-0050	EA	7 HP, 3" To 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3102) Note: FLS and 50' electrical cable. Includes stand and inlet elbow.	17,737.71	431.16
22 13 33 00-0051	EA	7.5 To 8.5 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3127) Note: FLS and 50' electrical cable. Includes stand and inlet elbow.	26,437.57	474.28
22 13 33 00-0052	EA	10 To 12 HP, 3" To 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3127) Note: FLS and 50' electrical cable. Includes stand and inlet elbow.	29,337.73	517.40
22 13 33 00-0053	EA	15 To 17 HP, 3" To 10" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3153) Note: FLS and 50' electrical cable	44,043.51	603.63
		For Inlet Elbow, Add	*2,525.19*	
		For Stand, Add	*2,004.88*	
22 13 33 00-0054	EA	20 To 23 HP, 3" To 4" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3153) Note: FLS and 50' electrical cable	47,893.20	689.87
		For Inlet Elbow, Add	*3,411.11*	
		For Stand, Add	*1,416.27*	
22 13 33 00-0055	EA	18 To 25 HP, 4" To 10" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3171) Note: FLS and 50' electrical cable	60,242.54	776.09
		For Inlet Elbow, Add	*2,525.19*	
		For Stand, Add	*3,290.58*	
22 13 33 00-0056	EA	30 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3171) Note: FLS and 50' electrical cable	64,861.62	862.32
		For Inlet Elbow, Add	*2,525.19*	
		For Stand, Add	*2,049.08*	
22 13 33 00-0057	EA	34 To 35 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3171) Note: FLS and 50' electrical cable	80,723.21	905.45
		For Inlet Elbow, Add	*3,411.11*	
		For Stand, Add	*2,049.08*	
22 13 33 00-0058	EA	34 To 45 HP, 4" To 12" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3202) Note: FLS and 50' electrical cable	108,517.66	948.56
		For Inlet Elbow, Add	*3,411.11*	
		For Stand, Add	*4,712.88*	
22 13 33 00-0059	EA	50 To 60 HP, 4" To 12" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3202) Note: FLS and 50' electrical cable	134,114.31	1,121.03
		For Inlet Elbow, Add	*3,411.11*	
		For Stand, Add	*4,712.88*	
22 13 33 00-0060	EA	67 To 72 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3202) Note: FLS and 50' electrical cable	128,315.93	1,164.14
		For Inlet Elbow, Add	*3,411.11*	
		For Stand, Add	*2,119.39*	
22 13 33 00-0061	EA	85 HP, 6" To 12" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3301) Note: FLS and 50' electrical cable	142,733.74	1,293.49
		For Inlet Elbow, Add	*3,411.11*	
		For Stand, Add	*4,781.18*	
22 13 33 00-0062	EA	105 HP, 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3301) Note: FLS and 50' electrical cable	147,425.16	1,379.72
		For Inlet Elbow, Add	*4,479.85*	
		For Stand, Add	*4,415.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 33 00-0063	EA	70 To 90 HP, 14" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3315)	145,545.58	1,207.26
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*8,113.95*	
		For Stand, Add	*4,781.18*	
22 13 33 00-0064	EA	110 To 140 HP, 10" To 12" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3315)	185,185.08	1,465.95
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*8,113.95*	
		For Stand, Add	*4,781.18*	
22 13 33 00-0065	EA	3 HP, 3" To 4" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3085)	15,759.69	258.69
		Note: FLS and 50' electrical cable		
22 13 33 00-0066	EA	4 HP, 3" To 4" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3085)	16,440.02	301.82
		Note: FLS and 50' electrical cable		
22 13 33 00-0067	EA	5 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3102)	19,249.78	344.93
		Note: FLS and 50' electrical cable		
22 13 33 00-0068	EA	7 HP, 3" To 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3102)	19,354.87	431.16
		Note: FLS and 50' electrical cable		
22 13 33 00-0069	EA	7.5 To 8.5 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3127)	28,054.74	474.28
		Note: FLS and 50' electrical cable		
22 13 33 00-0070	EA	10 To 12 HP, 3" To 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3127)	30,954.90	517.40
		Note: FLS and 50' electrical cable		
22 13 33 00-0071	EA	12 To 14 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3153)	41,382.41	560.51
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*2,525.19*	
		For Stand, Add	*1,416.27*	
22 13 33 00-0072	EA	15 To 17 HP, 3" To 10" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3153)	45,751.07	603.63
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*2,525.19*	
		For Stand, Add	*2,004.88*	
22 13 33 00-0073	EA	20 To 23 HP, 3" To 4" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3153)	49,600.76	689.87
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*3,411.11*	
		For Stand, Add	*1,416.27*	
22 13 33 00-0074	EA	18 To 25 HP, 4" To 10" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3171)	63,085.13	776.09
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*2,525.19*	
		For Stand, Add	*3,290.58*	
22 13 33 00-0075	EA	30 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3171)	67,704.22	862.32
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*2,525.19*	
		For Stand, Add	*2,049.08*	
22 13 33 00-0076	EA	34 To 35 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3171)	83,565.80	905.45
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*3,411.11*	
		For Stand, Add	*2,049.08*	
22 13 33 00-0077	EA	34 To 45 HP, 4" To 12" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3202)	111,360.25	948.56
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*3,411.11*	
		For Stand, Add	*4,712.88*	
22 13 33 00-0078	EA	50 To 60 HP, 4" To 12" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3202)	136,956.90	1,121.03
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*3,411.11*	
		For Stand, Add	*4,712.88*	
22 13 33 00-0079	EA	67 To 72 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3202)	132,534.62	1,164.14
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*3,411.11*	
		For Stand, Add	*2,119.39*	
22 13 33 00-0080	EA	60 To 70 HP, 10" To 14" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3301)	132,783.04	1,207.26
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*3,411.11*	
		For Stand, Add	*4,781.18*	
22 13 33 00-0081	EA	85 HP, 6" To 12" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3301)	146,952.43	1,293.49
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*3,411.11*	
		For Stand, Add	*4,781.18*	
22 13 33 00-0082	EA	105 HP, 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3301)	151,643.85	1,379.72
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*4,479.85*	
		For Stand, Add	*4,415.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 33 00-0083	EA	70 To 90 HP, 14" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3315) Note: FLS and 50' electrical cable	149,764.27	1,207.26
		For Inlet Elbow, Add	*8,113.95*	
		For Stand, Add	*4,781.18*	
22 13 33 00-0084	EA	110 To 140 HP, 10" To 12" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3315) Note: FLS and 50' electrical cable	189,403.77	1,465.95
		For Inlet Elbow, Add	*8,113.95*	
		For Stand, Add	*4,781.18*	
22 13 33 00-0085	EA	130 To 160 HP, 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3315) Note: FLS and 50' electrical cable	172,743.21	1,638.42
		For Inlet Elbow, Add	*8,113.95*	
		For Stand, Add	*4,415.56*	

22 13 33 00-0086 Dry Pit Submersible Vertical Explosion Proof Pumps (Flygt) *(22 13 33 00-0045)*

22 13 33 00-0087	EA	3 HP, 3" To 4" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3085) Note: FLS and 50' electrical cable. Includes stand and inlet elbow.	16,607.45	258.69
22 13 33 00-0088	EA	4 HP, 3" To 4" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3085) Note: FLS and 50' electrical cable. Includes stand and inlet elbow.	17,287.78	301.82
22 13 33 00-0089	EA	7 HP, 3" To 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3102) Note: FLS and 50' electrical cable. Includes stand and inlet elbow.	19,539.69	431.16
22 13 33 00-0090	EA	7.5 To 8.5 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3127) Note: FLS and 50' electrical cable. Includes stand and inlet elbow.	28,657.41	474.28
22 13 33 00-0091	EA	12 To 14 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3153) Note: FLS and 50' electrical cable	42,115.66	560.51
		For Inlet Elbow, Add	*2,525.19*	
		For Stand, Add	*1,416.27*	
22 13 33 00-0092	EA	15 To 17 HP, 3" To 10" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3153) Note: FLS and 50' electrical cable	46,484.32	603.63
		For Inlet Elbow, Add	*2,525.19*	
		For Stand, Add	*2,004.88*	
22 13 33 00-0093	EA	20 To 23 HP, 3" To 4" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3153) Note: FLS and 50' electrical cable	50,334.01	689.87
		For Inlet Elbow, Add	*3,411.11*	
		For Stand, Add	*1,416.27*	
22 13 33 00-0094	EA	18 To 25 HP, 4" To 10" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3171) Note: FLS and 50' electrical cable	63,513.02	776.09
		For Inlet Elbow, Add	*2,525.19*	
		For Stand, Add	*3,290.58*	
22 13 33 00-0095	EA	34 To 35 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3171) Note: FLS and 50' electrical cable	83,993.70	905.45
		For Inlet Elbow, Add	*3,411.11*	
		For Stand, Add	*2,049.08*	
22 13 33 00-0096	EA	34 To 45 HP, 4" To 12" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3202) Note: FLS and 50' electrical cable	111,788.15	948.56
		For Inlet Elbow, Add	*3,411.11*	
		For Stand, Add	*4,712.88*	
22 13 33 00-0097	EA	50 To 60 HP, 4" To 12" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3202) Note: FLS and 50' electrical cable	137,384.80	1,121.03
		For Inlet Elbow, Add	*3,411.11*	
		For Stand, Add	*4,712.88*	
22 13 33 00-0098	EA	67 To 72 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3202) Note: FLS and 50' electrical cable	131,586.42	1,164.14
		For Inlet Elbow, Add	*3,411.11*	
		For Stand, Add	*2,119.39*	
22 13 33 00-0099	EA	60 To 70 HP, 10" To 14" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3301) Note: FLS and 50' electrical cable	135,649.74	1,207.26
		For Inlet Elbow, Add	*3,411.11*	
		For Stand, Add	*4,781.18*	
22 13 33 00-0100	EA	85 HP, 6" To 12" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3301) Note: FLS and 50' electrical cable	149,819.14	1,293.49
		For Inlet Elbow, Add	*3,411.11*	
		For Stand, Add	*4,781.18*	
22 13 33 00-0101	EA	105 HP, 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3301) Note: FLS and 50' electrical cable	154,510.55	1,379.72
		For Inlet Elbow, Add	*4,479.85*	
		For Stand, Add	*4,415.56*	
22 13 33 00-0102	EA	70 To 90 HP, 14" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3315) Note: FLS and 50' electrical cable	152,831.86	1,207.26
		For Inlet Elbow, Add	*8,113.95*	
		For Stand, Add	*4,781.18*	
22 13 33 00-0103	EA	110 To 140 HP, 10" To 12" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3315) Note: FLS and 50' electrical cable	192,471.36	1,465.95
		For Inlet Elbow, Add	*8,113.95*	
		For Stand, Add	*4,781.18*	
22 13 33 00-0104	EA	130 To 160 HP, 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3315) Note: FLS and 50' electrical cable	175,599.86	1,638.42
		For Inlet Elbow, Add	*8,113.95*	
		For Stand, Add	*4,415.56*	
22 13 33 00-0105	EA	3 HP, 3" To 4" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3085) Note: FLS and 50' electrical cable	17,561.68	258.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 33 00-0106	EA	4 HP, 3" To 4" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3085)	18,242.00	301.82
		Note: FLS and 50' electrical cable		
22 13 33 00-0107	EA	5 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3102)	21,051.76	344.93
		Note: FLS and 50' electrical cable		
22 13 33 00-0108	EA	7 HP, 3" To 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3102)	21,156.86	431.16
		Note: FLS and 50' electrical cable		
22 13 33 00-0109	EA	7.5 To 8.5 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3127)	30,274.57	474.28
		Note: FLS and 50' electrical cable		
22 13 33 00-0110	EA	10 To 12 HP, 3" To 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3127)	33,174.73	517.40
		Note: FLS and 50' electrical cable		
22 13 33 00-0111	EA	12 To 14 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3153)	43,823.22	560.51
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*2,525.19*	
		For Stand, Add	*1,416.27*	
22 13 33 00-0112	EA	15 To 17 HP, 3" To 10" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3153)	48,191.89	603.63
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*2,525.19*	
		For Stand, Add	*2,004.88*	
22 13 33 00-0113	EA	20 To 23 HP, 3" To 4" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3153)	52,041.58	689.87
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*3,411.11*	
		For Stand, Add	*1,416.27*	
22 13 33 00-0114	EA	18 To 25 HP, 4" To 10" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3171)	66,355.62	776.09
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*2,525.19*	
		For Stand, Add	*3,290.58*	
22 13 33 00-0115	EA	30 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3171)	70,974.71	862.32
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*2,525.19*	
		For Stand, Add	*2,049.08*	
22 13 33 00-0116	EA	34 To 35 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3171)	86,836.29	905.45
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*3,411.11*	
		For Stand, Add	*2,049.08*	
22 13 33 00-0117	EA	34 To 45 HP, 4" To 12" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3202)	114,630.74	948.56
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*3,411.11*	
		For Stand, Add	*4,712.88*	
22 13 33 00-0118	EA	50 To 60 HP, 4" To 12" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3202)	140,227.39	1,121.03
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*3,411.11*	
		For Stand, Add	*4,712.88*	
22 13 33 00-0119	EA	67 To 72 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3202)	135,805.11	1,164.14
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*3,411.11*	
		For Stand, Add	*2,119.39*	
22 13 33 00-0120	EA	60 To 70 HP, 10" To 14" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3301)	139,868.43	1,207.26
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*3,411.11*	
		For Stand, Add	*4,781.18*	
22 13 33 00-0121	EA	85 HP, 6" To 12" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3301)	154,037.83	1,293.49
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*3,411.11*	
		For Stand, Add	*4,781.18*	
22 13 33 00-0122	EA	105 HP, 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3301)	158,729.24	1,379.72
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*4,479.85*	
		For Stand, Add	*4,415.56*	
22 13 33 00-0123	EA	70 To 90 HP, 14" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3315)	157,050.55	1,207.26
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*8,113.95*	
		For Stand, Add	*4,781.18*	
22 13 33 00-0124	EA	110 To 140 HP, 10" To 12" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3315)	196,690.05	1,465.95
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*8,113.95*	
		For Stand, Add	*4,781.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 33 00-0125	EA	130 To 160 HP, 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3315) Note: FLS and 50' electrical cable	180,029.49	1,638.42
		For Inlet Elbow, Add	*8,113.95*	
		For Stand, Add	*4,415.56*	
22 13 33 00-0126		**Dry Pit Submersible Horizontal Pumps (Flygt)** *(22 13 33 00-0001)*		
22 13 33 00-0127		**Dry Pit Submersible Horizontal Non-Explosion Proof Pumps (Flygt)** *(22 13 33 00-0126)*		
22 13 33 00-0128	EA	3 HP, 3" To 4" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3085) Note: FLS and 50' electrical cable	13,332.94	258.69
		For Steel Z Stand Kit, Add	*3,565.80*	
22 13 33 00-0129	EA	4 HP, 3" To 4" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3085) Note: FLS and 50' electrical cable	11,725.13	301.82
		For Steel Z Stand Kit, Add	*3,565.80*	
22 13 33 00-0130	EA	5 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3102) Note: FLS and 50' electrical cable	15,768.36	344.93
		For Steel Z Stand Kit, Add	*3,445.26*	
22 13 33 00-0131	EA	7 HP, 3" To 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3102) Note: FLS and 50' electrical cable	15,323.01	431.16
		For Steel Z Stand Kit, Add	*3,445.26*	
22 13 33 00-0132	EA	7.5 To 8.5 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3127) Note: FLS and 50' electrical cable	23,520.65	474.28
		For Steel Z Stand Kit, Add	*3,816.91*	
22 13 33 00-0133	EA	10 To 12 HP, 3" To 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3127) Note: FLS and 50' electrical cable	26,244.03	517.40
		For Steel Z Stand Kit, Add	*3,816.91*	
22 13 33 00-0134	EA	15 To 17 HP, 3" To 10" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3153) Note: FLS and 50' electrical cable	44,041.50	603.63
		For Steel Z Stand Kit, Add	*7,151.68*	
		For Horizontal Service Car, Add	*7,121.55*	
22 13 33 00-0135	EA	20 To 23 HP, 3" To 4" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3153) Note: FLS and 50' electrical cable	47,893.20	689.87
		For Steel Z Stand Kit, Add	*7,151.68*	
		For Horizontal Service Car, Add	*7,121.55*	
22 13 33 00-0136	EA	18 To 25 HP, 4" To 10" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3171) Note: FLS and 50' electrical cable	60,242.54	776.09
		For Steel Z Stand Kit, Add	*5,886.08*	
		For Horizontal Service Car, Add	*9,496.07*	
22 13 33 00-0137	EA	30 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3171) Note: FLS and 50' electrical cable	64,861.62	862.32
		For Steel Z Stand Kit, Add	*5,886.08*	
		For Horizontal Service Car, Add	*9,496.07*	
22 13 33 00-0138	EA	34 To 35 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3171) Note: FLS and 50' electrical cable	80,727.23	905.45
		For Steel Z Stand Kit, Add	*5,886.08*	
		For Horizontal Service Car, Add	*9,496.07*	
22 13 33 00-0139	EA	34 To 45 HP, 4" To 12" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3202) Note: FLS and 50' electrical cable	108,515.65	948.56
		For Steel Z Stand Kit, Add	*8,276.67*	
		For Horizontal Service Car, Add	*10,848.06*	
22 13 33 00-0140	EA	50 To 60 HP, 4" To 12" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3202) Note: FLS and 50' electrical cable	134,114.31	1,121.03
		For Steel Z Stand Kit, Add	*8,276.67*	
		For Horizontal Service Car, Add	*10,848.06*	
22 13 33 00-0141	EA	67 To 72 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3202) Note: FLS and 50' electrical cable	128,315.93	1,164.14
		For Steel Z Stand Kit, Add	*8,276.67*	
		For Horizontal Service Car, Add	*10,848.06*	
22 13 33 00-0142	EA	60 To 70 HP, 10" To 14" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3301) Note: FLS and 50' electrical cable	128,564.35	1,207.26
		For Steel Z Stand Kit, Add	*11,189.57*	
		For Horizontal Service Car, Add	*13,961.86*	
22 13 33 00-0143	EA	85 HP, 6" To 12" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3301) Note: FLS and 50' electrical cable	136,705.04	1,293.49
		For Steel Z Stand Kit, Add	*11,189.57*	
		For Horizontal Service Car, Add	*13,961.86*	
22 13 33 00-0144	EA	105 HP, 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3301) Note: FLS and 50' electrical cable	145,416.26	1,379.72
		For Steel Z Stand Kit, Add	*11,189.57*	
		For Horizontal Service Car, Add	*13,961.86*	
22 13 33 00-0145	EA	70 To 90 HP, 14" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3315) Note: FLS and 50' electrical cable	145,545.58	1,207.26
		For Steel Z Stand Kit, Add	*13,710.74*	
		For Horizontal Service Car, Add	*13,961.86*	
22 13 33 00-0146	EA	110 To 140 HP, 10" To 12" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3315) Note: FLS and 50' electrical cable	185,185.08	1,465.95
		For Steel Z Stand Kit, Add	*13,710.74*	
		For Horizontal Service Car, Add	*13,961.86*	
22 13 33 00-0147	EA	130 To 160 HP, 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3315) Note: FLS and 50' electrical cable	168,313.58	1,638.42
		For Steel Z Stand Kit, Add	*13,710.74*	
		For Horizontal Service Car, Add	*13,961.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 33 00-0148	EA	3 HP, 3" To 4" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3085) Note: FLS and 50' electrical cable	14,287.17	258.69
		For Steel Z Stand Kit, Add	*3,565.80*	
22 13 33 00-0149	EA	4 HP, 3" To 4" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3085) Note: FLS and 50' electrical cable	12,679.36	301.82
		For Steel Z Stand Kit, Add	*3,565.80*	
22 13 33 00-0150	EA	5 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3102) Note: FLS and 50' electrical cable	17,385.52	344.93
		For Steel Z Stand Kit, Add	*3,445.26*	
22 13 33 00-0151	EA	7 HP, 3" To 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3102) Note: FLS and 50' electrical cable	16,940.17	431.16
		For Steel Z Stand Kit, Add	*3,445.26*	
22 13 33 00-0152	EA	7.5 To 8.5 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3127) Note: FLS and 50' electrical cable	25,137.81	474.28
		For Steel Z Stand Kit, Add	*3,816.91*	
22 13 33 00-0153	EA	10 To 12 HP, 3" To 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3127) Note: FLS and 50' electrical cable	27,861.19	517.40
		For Steel Z Stand Kit, Add	*3,816.91*	
22 13 33 00-0154	EA	12 To 14 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3153) Note: FLS and 50' electrical cable	41,382.41	560.51
		For Steel Z Stand Kit, Add	*7,151.68*	
		For Horizontal Service Car, Add	*7,121.55*	
22 13 33 00-0155	EA	15 To 17 HP, 3" To 10" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3153) Note: FLS and 50' electrical cable	45,749.07	603.63
		For Steel Z Stand Kit, Add	*7,151.68*	
		For Horizontal Service Car, Add	*7,121.55*	
22 13 33 00-0156	EA	20 To 23 HP, 3" To 4" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3153) Note: FLS and 50' electrical cable	49,600.76	689.87
		For Steel Z Stand Kit, Add	*7,151.68*	
		For Horizontal Service Car, Add	*7,121.55*	
22 13 33 00-0157	EA	18 To 25 HP, 4" To 10" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3171) Note: FLS and 50' electrical cable	63,085.13	776.09
		For Steel Z Stand Kit, Add	*5,886.08*	
		For Horizontal Service Car, Add	*9,496.07*	
22 13 33 00-0158	EA	30 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3171) Note: FLS and 50' electrical cable	67,704.22	862.32
		For Steel Z Stand Kit, Add	*5,886.08*	
		For Horizontal Service Car, Add	*9,496.07*	
22 13 33 00-0159	EA	34 To 35 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3171) Note: FLS and 50' electrical cable	83,569.82	905.45
		For Steel Z Stand Kit, Add	*5,886.08*	
		For Horizontal Service Car, Add	*9,496.07*	
22 13 33 00-0160	EA	34 To 45 HP, 4" To 12" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3202) Note: FLS and 50' electrical cable	111,358.24	948.56
		For Steel Z Stand Kit, Add	*8,276.67*	
		For Horizontal Service Car, Add	*10,848.06*	
22 13 33 00-0161	EA	50 To 60 HP, 4" To 12" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3202) Note: FLS and 50' electrical cable	136,956.90	1,121.03
		For Steel Z Stand Kit, Add	*8,276.67*	
		For Horizontal Service Car, Add	*10,848.06*	
22 13 33 00-0162	EA	67 To 72 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3202) Note: FLS and 50' electrical cable	132,534.62	1,164.14
		For Steel Z Stand Kit, Add	*8,276.67*	
		For Horizontal Service Car, Add	*10,848.06*	
22 13 33 00-0163	EA	60 To 70 HP, 10" To 14" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3301) Note: FLS and 50' electrical cable	132,783.04	1,207.26
		For Steel Z Stand Kit, Add	*11,189.57*	
		For Horizontal Service Car, Add	*13,961.86*	
22 13 33 00-0164	EA	85 HP, 6" To 12" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3301) Note: FLS and 50' electrical cable	140,923.73	1,293.49
		For Steel Z Stand Kit, Add	*11,189.57*	
		For Horizontal Service Car, Add	*13,961.86*	
22 13 33 00-0165	EA	105 HP, 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3301) Note: FLS and 50' electrical cable	149,634.95	1,379.72
		For Steel Z Stand Kit, Add	*11,189.57*	
		For Horizontal Service Car, Add	*13,961.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 33 00-0166	EA	70 To 90 HP, 14" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3315)	149,764.27	1,207.26
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*13,710.74*	
		For Horizontal Service Car, Add	*13,961.86*	
22 13 33 00-0167	EA	110 To 140 HP, 10" To 12" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3315)	189,403.77	1,465.95
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*13,710.74*	
		For Horizontal Service Car, Add	*13,961.86*	
22 13 33 00-0168	EA	130 To 160 HP, 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3315)	172,743.21	1,638.42
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*13,710.74*	
		For Horizontal Service Car, Add	*13,961.86*	

22 13 33 00-0169 Dry Pit Submersible Horizontal Explosion Proof Pumps (Flygt) *(22 13 33 00-0126)*

22 13 33 00-0170	EA	3 HP, 3" To 4" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3085)	15,134.93	258.69
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*3,565.80*	
22 13 33 00-0171	EA	4 HP, 3" To 4" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3085)	13,527.12	301.82
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*3,565.80*	
22 13 33 00-0172	EA	5 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3102)	17,570.34	344.93
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*3,445.26*	
22 13 33 00-0173	EA	7 HP, 3" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3102)	17,124.99	431.16
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*3,445.26*	
22 13 33 00-0174	EA	7.5 To 8.5 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3127)	25,740.48	474.28
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*3,816.91*	
22 13 33 00-0175	EA	10 To 12 HP, 3" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3127)	28,463.86	517.40
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*3,816.91*	
22 13 33 00-0176	EA	12 To 14 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3153)	42,115.66	560.51
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*7,151.68*	
		For Horizontal Service Car, Add	*7,121.55*	
22 13 33 00-0177	EA	15 To 17 HP, 3" To 10" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3153)	46,482.31	603.63
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*7,151.68*	
		For Horizontal Service Car, Add	*7,121.55*	
22 13 33 00-0178	EA	20 To 23 HP, 3" To 4" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3153)	50,334.01	689.87
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*7,151.68*	
		For Horizontal Service Car, Add	*7,121.55*	
22 13 33 00-0179	EA	18 To 25 HP, 4" To 10" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3171)	63,513.02	776.09
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*5,886.08*	
		For Horizontal Service Car, Add	*9,496.07*	
22 13 33 00-0180	EA	30 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3171)	68,132.11	862.32
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*5,886.08*	
		For Horizontal Service Car, Add	*9,496.07*	
22 13 33 00-0181	EA	34 To 35 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3171)	83,997.72	905.45
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*5,886.08*	
		For Horizontal Service Car, Add	*9,496.07*	
22 13 33 00-0182	EA	34 To 45 HP, 4" To 12" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3202)	111,786.14	948.56
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*8,276.67*	
		For Horizontal Service Car, Add	*10,848.06*	
22 13 33 00-0183	EA	50 To 60 HP, 4" To 12" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3202)	137,384.80	1,121.03
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*8,276.67*	
		For Horizontal Service Car, Add	*10,848.06*	
22 13 33 00-0184	EA	67 To 72 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3202)	131,586.42	1,164.14
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*8,276.67*	
		For Horizontal Service Car, Add	*10,848.06*	
22 13 33 00-0185	EA	60 To 70 HP, 10" To 14" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3301)	135,649.74	1,207.26
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*11,189.57*	
		For Horizontal Service Car, Add	*13,961.86*	
22 13 33 00-0186	EA	85 HP, 6" To 12" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3301)	143,790.43	1,293.49
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*11,189.57*	
		For Horizontal Service Car, Add	*13,961.86*	
22 13 33 00-0187	EA	105 HP, 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3301)	152,501.65	1,379.72
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*11,189.57*	
		For Horizontal Service Car, Add	*13,961.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 33 00-0188	EA	70 To 90 HP, 14" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3315)	152,831.86	1,207.26
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*13,710.74*	
		For Horizontal Service Car, Add	*13,961.86*	
22 13 33 00-0189	EA	110 To 140 HP, 10" To 12" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3315)	192,471.36	1,465.95
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*13,710.74*	
		For Horizontal Service Car, Add	*13,961.86*	
22 13 33 00-0190	EA	130 To 160 HP, 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3315)	175,599.86	1,638.42
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*13,710.74*	
		For Horizontal Service Car, Add	*13,961.86*	
22 13 33 00-0191	EA	3 HP, 3" To 4" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3085)	16,089.15	258.69
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*3,565.80*	
22 13 33 00-0192	EA	4 HP, 3" To 4" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3085)	14,481.34	301.82
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*3,565.80*	
22 13 33 00-0193	EA	5 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3102)	19,187.51	344.93
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*3,445.26*	
22 13 33 00-0194	EA	7 HP, 3" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3102)	18,742.16	431.16
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*3,445.26*	
22 13 33 00-0195	EA	7.5 To 8.5 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3127)	27,357.65	474.28
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*3,816.91*	
22 13 33 00-0196	EA	10 To 12 HP, 3" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3127)	30,081.03	517.40
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*3,816.91*	
22 13 33 00-0197	EA	12 To 14 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3153)	43,823.22	560.51
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*7,151.68*	
		For Horizontal Service Car, Add	*7,121.55*	
22 13 33 00-0198	EA	15 To 17 HP, 3" To 10" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3153)	48,189.88	603.63
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*7,151.68*	
		For Horizontal Service Car, Add	*7,121.55*	
22 13 33 00-0199	EA	20 To 23 HP, 3" To 4" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3153)	52,041.58	689.87
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*7,151.68*	
		For Horizontal Service Car, Add	*7,121.55*	
22 13 33 00-0200	EA	18 To 25 HP, 4" To 10" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3171)	66,355.62	776.09
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*5,886.08*	
		For Horizontal Service Car, Add	*9,496.07*	
22 13 33 00-0201	EA	30 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3171)	70,974.71	862.32
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*5,886.08*	
		For Horizontal Service Car, Add	*9,496.07*	
22 13 33 00-0202	EA	34 To 35 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3171)	86,840.31	905.45
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*5,886.08*	
		For Horizontal Service Car, Add	*9,496.07*	
22 13 33 00-0203	EA	34 To 45 HP, 4" To 12" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3202)	114,628.73	948.56
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*8,276.67*	
		For Horizontal Service Car, Add	*10,848.06*	
22 13 33 00-0204	EA	50 To 60 HP, 4" To 12" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3202)	140,227.39	1,121.03
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*8,276.67*	
		For Horizontal Service Car, Add	*10,848.06*	
22 13 33 00-0205	EA	67 To 72 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3202)	135,805.11	1,164.14
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*8,276.67*	
		For Horizontal Service Car, Add	*10,848.06*	
22 13 33 00-0206	EA	60 To 70 HP, 10" To 14" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3301)	139,868.43	1,207.26
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*11,189.57*	
		For Horizontal Service Car, Add	*13,961.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 33 00-0207	EA	85 HP, 6" To 12" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3301) Note: FLS and 50' electrical cable	148,009.12	1,293.49
		For Steel Z Stand Kit, Add	*11,189.57*	
		For Horizontal Service Car, Add	*13,961.86*	
22 13 33 00-0208	EA	105 HP, 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3301) Note: FLS and 50' electrical cable	156,720.34	1,379.72
		For Steel Z Stand Kit, Add	*11,189.57*	
		For Horizontal Service Car, Add	*13,961.86*	
22 13 33 00-0209	EA	70 To 90 HP, 14" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3315) Note: FLS and 50' electrical cable	157,050.55	1,207.26
		For Steel Z Stand Kit, Add	*13,710.74*	
		For Horizontal Service Car, Add	*13,961.86*	
22 13 33 00-0210	EA	110 To 140 HP, 10" To 12" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3315) Note: FLS and 50' electrical cable	196,690.05	1,465.95
		For Steel Z Stand Kit, Add	*13,710.74*	
		For Horizontal Service Car, Add	*13,961.86*	
22 13 33 00-0211	EA	130 To 160 HP, 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3315) Note: FLS and 50' electrical cable	180,029.49	1,638.42
		For Steel Z Stand Kit, Add	*13,710.74*	
		For Horizontal Service Car, Add	*13,961.86*	

22 13 33 00-0212 Submersible Pump Add-On Accessories (Flygt) *(22 13 33 00-0001)*

22 13 33 00-0213	EA	3" Stainless Steel Discharge Connection Package for 2" Guide Rails Note: Includes cast iron discharge connection, stainless steel upper guide bar bracket, stainless steel safety hook, and stainless steel 20' lifting cable	4,218.69
22 13 33 00-0214	EA	4" Stainless Steel Discharge Connection Package for 2" Guide Rails Note: Includes cast iron discharge connection, stainless steel upper guide bar bracket, stainless steel safety hook, and stainless steel 20' lifting cable	4,620.47
22 13 33 00-0215	EA	6" Stainless Steel Discharge Connection Package for 2" Guide Rails Note: Includes cast iron discharge connection, stainless steel upper guide bar bracket, stainless steel safety hook, and stainless steel 20' lifting cable	5,022.25
22 13 33 00-0216	EA	8" Stainless Steel Discharge Connection Package for 2" Guide Rails Note: Includes cast iron discharge connection, stainless steel upper guide bar bracket, stainless steel safety hook, and stainless steel 20' lifting cable	6,328.04
22 13 33 00-0217	EA	6" Stainless Steel Discharge Connection Package for 3" Guide Rails Note: Includes cast iron discharge connection, stainless steel upper guide bar bracket, stainless steel safety hook, and stainless steel 20' lifting cable	12,656.07
22 13 33 00-0218	EA	8" Stainless Steel Discharge Connection Package for 3" Guide Rails Note: Includes cast iron discharge connection, stainless steel upper guide bar bracket, stainless steel safety hook, and stainless steel 20' lifting cable	12,656.07
22 13 33 00-0219	EA	10" Stainless Steel Discharge Connection Package for 3" Guide Rails Note: Includes cast iron discharge connection, stainless steel upper guide bar bracket, stainless steel safety hook, and stainless steel 20' lifting cable	13,961.86
22 13 33 00-0220	EA	12" Stainless Steel Discharge Connection Package for 3" Guide Rails Note: Includes cast iron discharge connection, stainless steel upper guide bar bracket, stainless steel safety hook, and stainless steel 20' lifting cable	18,180.54
22 13 33 00-0221	EA	14" Stainless Steel Discharge Connection Package for 3" Guide Rails Note: Includes cast iron discharge connection, stainless steel upper guide bar bracket, stainless steel safety hook, and stainless steel 20' lifting cable	21,093.45
22 13 33 00-0222	EA	Mini CAS Unit: Thermal and Seal Protection Relay Unit Price	1,034.58

22 13 33 00-0223 Submersible Pumps (Vaughan) *(22 13 33)*

22 13 33 00-0224 Electric Submersible Pumps (Vaughan) *(22 13 33 00-0223)*

22 13 33 00-0225	EA	5 HP, 1750 RPM, 230/460 Volt, 3" Electric Submersible Pump (Vaughan 3F/3G)	18,610.95	344.93
22 13 33 00-0226	EA	7.5 HP, 1750 RPM, 230/460 Volt, 3" Electric Submersible Pump (Vaughan 3F/3G)	20,972.04	431.16
22 13 33 00-0227	EA	5 HP, 1750 RPM, 230/460 Volt, 3" Electric Submersible Pump (Vaughan 3L/3M)	20,756.46	344.93
22 13 33 00-0228	EA	7.5 HP, 1750 RPM, 230/460 Volt, 3" Electric Submersible Pump (Vaughan 3L/3M)	22,876.47	431.16
22 13 33 00-0229	EA	10 HP, 1750 RPM, 230/460 Volt, 3" Electric Submersible Pump (Vaughan 3L/3M)	24,998.51	517.40
22 13 33 00-0230	EA	15 HP, 1750 RPM, 230/460 Volt, 3" Electric Submersible Pump (Vaughan 3L/3M)	27,478.12	603.63
22 13 33 00-0231	EA	7.5 HP, 1750 RPM, 230/460 Volt, 3" Electric Submersible Pump (Vaughan 3P)	24,067.75	431.16
22 13 33 00-0232	EA	10 HP, 1750 RPM, 230/460 Volt, 3" Electric Submersible Pump (Vaughan 3P)	26,071.26	517.40
22 13 33 00-0233	EA	15 HP, 1750 RPM, 230/460 Volt, 3" Electric Submersible Pump (Vaughan 3P)	28,430.34	603.63
22 13 33 00-0234	EA	20 HP, 1750 RPM, 230/460 Volt, 3" Electric Submersible Pump (Vaughan 3P)	29,837.21	689.87
22 13 33 00-0235	EA	15 HP, 3510 RPM, 230/460 Volt, 3" Electric Submersible Pump (Vaughan 3V/3W)	29,145.51	603.63
22 13 33 00-0236	EA	20 HP, 3510 RPM, 230/460 Volt, 3" Electric Submersible Pump (Vaughan 3V/3W)	30,552.38	689.87
22 13 33 00-0237	EA	25 HP, 3510 RPM, 230/460 Volt, 3" Electric Submersible Pump (Vaughan 3V/3W)	34,817.90	776.09
22 13 33 00-0238	EA	30 HP, 3510 RPM, 230/460 Volt, 3" Electric Submersible Pump (Vaughan 3V/3W)	36,700.86	862.32
22 13 33 00-0239	EA	5 HP, 870 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4K/4L)	29,332.45	344.93
22 13 33 00-0240	EA	5 HP, 1170 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4K/4L)	24,924.92	344.93
22 13 33 00-0241	EA	5 HP, 1750 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4K/4L)	22,363.58	344.93
22 13 33 00-0242	EA	7.5 HP, 870 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4K/4L)	31,333.94	431.16
22 13 33 00-0243	EA	7.5 HP, 1170 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4K/4L)	26,926.42	431.16
22 13 33 00-0244	EA	7.5 HP, 1750 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4K/4L)	24,543.86	431.16
22 13 33 00-0245	EA	10 HP, 1170 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4K/4L)	28,572.34	517.40
22 13 33 00-0246	EA	10 HP, 1750 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4K/4L)	26,547.37	517.40
22 13 33 00-0247	EA	15 HP, 1750 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4K/4L)	28,906.45	603.63

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 33 00-0248	EA	20 HP, 1750 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4K/4L)	30,433.85	689.87
22 13 33 00-0249	EA	25 HP, 1750 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4K/4L)	34,102.73	776.09
22 13 33 00-0250	EA	5 HP, 1170 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4S/4T)	26,831.37	344.93
22 13 33 00-0251	EA	7.5 HP, 870 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4S/4T)	33,240.39	431.16
22 13 33 00-0252	EA	7.5 HP, 1170 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4S/4T)	28,832.86	431.16
22 13 33 00-0253	EA	10 HP, 870 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4S/4T)	34,052.62	517.40
22 13 33 00-0254	EA	10 HP, 1170 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4S/4T)	30,478.79	517.40
22 13 33 00-0255	EA	15 HP, 1170 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4S/4T)	34,505.25	603.63
22 13 33 00-0256	EA	15 HP, 1750 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4S/4T)	30,812.89	603.63
22 13 33 00-0257	EA	20 HP, 1170 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4S/4T)	36,269.70	689.87
22 13 33 00-0258	EA	20 HP, 1750 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4S/4T)	31,743.65	689.87
22 13 33 00-0259	EA	25 HP, 1170 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4S/4T)	40,298.18	776.09
22 13 33 00-0260	EA	25 HP, 1750 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4S/4T)	35,533.07	776.09
22 13 33 00-0261	EA	30 HP, 1750 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4S/4T)	39,798.59	862.32
22 13 33 00-0262	EA	5 HP, 870 RPM, 230/460 Volt, 6" Electric Submersible Pump (Vaughan 6U/6W/6X)	37,671.39	344.93
22 13 33 00-0263	EA	7.5 HP, 870 RPM, 230/460 Volt, 6" Electric Submersible Pump (Vaughan 6U/6W/6X)	40,149.00	431.16
22 13 33 00-0264	EA	7.5 HP, 1170 RPM, 230/460 Volt, 6" Electric Submersible Pump (Vaughan 6U/6W/6X)	35,741.47	431.16
22 13 33 00-0265	EA	10 HP, 870 RPM, 230/460 Volt, 6" Electric Submersible Pump (Vaughan 6U/6W/6X)	40,842.70	517.40
22 13 33 00-0266	EA	10 HP, 1170 RPM, 230/460 Volt, 6" Electric Submersible Pump (Vaughan 6U/6W/6X)	37,268.87	517.40
22 13 33 00-0267	EA	15 HP, 870 RPM, 230/460 Volt, 6" Electric Submersible Pump (Vaughan 6U/6W/6X)	49,037.64	603.63
22 13 33 00-0268	EA	15 HP, 1170 RPM, 230/460 Volt, 6" Electric Submersible Pump (Vaughan 6U/6W/6X)	41,295.33	603.63
22 13 33 00-0269	EA	20 HP, 1170 RPM, 230/460 Volt, 6" Electric Submersible Pump (Vaughan 6U/6W/6X)	42,941.26	689.87
22 13 33 00-0270	EA	25 HP, 1170 RPM, 230/460 Volt, 6" Electric Submersible Pump (Vaughan 6U/6W/6X)	46,967.72	776.09
22 13 33 00-0271	EA	25 HP, 1750 RPM, 230/460 Volt, 6" Electric Submersible Pump (Vaughan 6U/6W/6X)	42,202.61	776.09
22 13 33 00-0272	EA	30 HP, 1170 RPM, 230/460 Volt, 6" Electric Submersible Pump (Vaughan 6U/6W/6X)	49,089.75	862.32
22 13 33 00-0273	EA	30 HP, 1750 RPM, 230/460 Volt, 6" Electric Submersible Pump (Vaughan 6U/6W/6X)	46,468.14	862.32
22 13 33 00-0274	EA	10 HP, 870 RPM, 230/460 Volt, 8" Electric Submersible Pump (Vaughan 8N)	43,938.42	517.40
22 13 33 00-0275	EA	15 HP, 870 RPM, 230/460 Volt, 8" Electric Submersible Pump (Vaughan 8N)	52,135.36	603.63
22 13 33 00-0276	EA	15 HP, 1170 RPM, 230/460 Volt, 8" Electric Submersible Pump (Vaughan 8N)	44,274.53	603.63
22 13 33 00-0277	EA	20 HP, 870 RPM, 230/460 Volt, 8" Electric Submersible Pump (Vaughan 8N)	61,523.59	689.87
22 13 33 00-0278	EA	20 HP, 1170 RPM, 230/460 Volt, 8" Electric Submersible Pump (Vaughan 8N)	46,036.98	689.87
22 13 33 00-0279	EA	25 HP, 870 RPM, 230/460 Volt, 8" Electric Submersible Pump (Vaughan 8N)	62,215.28	776.09
22 13 33 00-0280	EA	25 HP, 1170 RPM, 230/460 Volt, 8" Electric Submersible Pump (Vaughan 8N)	50,065.45	776.09
22 13 33 00-0281	EA	30 HP, 870 RPM, 230/460 Volt, 8" Electric Submersible Pump (Vaughan 8N)	65,289.52	862.32
22 13 33 00-0282	EA	30 HP, 1170 RPM, 230/460 Volt, 8" Electric Submersible Pump (Vaughan 8N)	52,066.94	862.32
22 13 33 00-0283	EA	30 HP, 1170 RPM, 230/460 Volt, 8" Electric Submersible Pump (Vaughan 8P)	52,066.94	862.32
22 13 33 00-0284	EA	25 HP, 870 RPM, 230/460 Volt, 10" Electric Submersible Pump (Vaughan 10R)	71,269.39	776.09
22 13 33 00-0285	EA	30 HP, 870 RPM, 230/460 Volt, 10" Electric Submersible Pump (Vaughan 10R)	74,343.63	862.32
22 13 33 00-0286	EA	30 HP, 1170 RPM, 230/460 Volt, 10" Electric Submersible Pump (Vaughan 10R)	61,478.64	862.32

22 13 33 00-0287 Horizontal Chopper Pumps (Vaughan) *(22 13 33 00-0223)*

22 13 33 00-0288	EA	3" - 6", Ductile Iron And Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan HE3F6/HE3G6)	19,065.59	538.95
		For Stool, Deduct	*-703.10*	
		For Coupling, Deduct	*-200.89*	
		For Base, Deduct	*-1,104.88*	
22 13 33 00-0289	EA	3" - 6", Ductile Iron And Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan HE3L6/HE3M6)	20,017.81	538.95
		For Stool, Deduct	*-703.10*	
		For Coupling, Deduct	*-200.89*	
		For Base, Deduct	*-1,104.88*	
22 13 33 00-0290	EA	3" - 6", Ductile Iron And Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan HE3P6)	20,493.92	538.95
		For Stool, Deduct	*-703.10*	
		For Coupling, Deduct	*-200.89*	
		For Base, Deduct	*-1,104.88*	
22 13 33 00-0291	EA	3" - 6", Ductile Iron And Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan HE3V6/HE3W6)	20,493.92	538.95
		For Stool, Deduct	*-703.10*	
		For Coupling, Deduct	*-200.89*	
		For Base, Deduct	*-1,104.88*	
22 13 33 00-0292	EA	3" - 6", Ductile Iron And Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan HE4K6/HE4L6)	21,187.63	646.74
		For Stool, Deduct	*-703.10*	
		For Coupling, Deduct	*-200.89*	
		For Base, Deduct	*-1,104.88*	
22 13 33 00-0293	EA	3" - 6", Ductile Iron And Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan HE4S6/HE4T6)	22,139.85	646.74
		For Stool, Deduct	*-703.10*	
		For Coupling, Deduct	*-200.89*	
		For Base, Deduct	*-1,104.88*	
22 13 33 00-0294	EA	3" - 6", Ductile Iron And Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan HE6U8)	24,369.66	808.43
		For Stool, Deduct	*-703.10*	
		For Coupling, Deduct	*-200.89*	
		For Base, Deduct	*-1,104.88*	
22 13 33 00-0295	EA	3" - 6", Ductile Iron And Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan HE6W8/6X)	24,369.66	808.43
		For Stool, Deduct	*-703.10*	
		For Coupling, Deduct	*-200.89*	
		For Base, Deduct	*-1,104.88*	
22 13 33 00-0296	EA	3" - 6", Ductile Iron And Stainless Steel, Horizontal Chopper Pump With Mechanical Seal (Vaughan HE3F6/HE3G6)	19,541.70	538.95
		For Stool, Deduct	*-703.10*	
		For Coupling, Deduct	*-200.89*	
		For Base, Deduct	*-1,104.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 33 00-0297	EA	3" - 6", Ductile Iron And Stainless Steel, Horizontal Chopper Pump With Mechanical Seal (Vaughan HE3L6/HE3M6)	20,493.92	538.95
		For Stool, Deduct	*-703.10*	
		For Coupling, Deduct	*-200.89*	
		For Base, Deduct	*-1,104.88*	
22 13 33 00-0298	EA	3" - 6", Ductile Iron And Stainless Steel, Horizontal Chopper Pump With Mechanical Seal (Vaughan HE3P6)	20,972.04	538.95
		For Stool, Deduct	*-703.10*	
		For Coupling, Deduct	*-200.89*	
		For Base, Deduct	*-1,104.88*	
22 13 33 00-0299	EA	3" - 6", Ductile Iron And Stainless Steel, Horizontal Chopper Pump With Mechanical Seal (Vaughan HE3V6/HE3W6)	20,972.04	538.95
		For Stool, Deduct	*-703.10*	
		For Coupling, Deduct	*-200.89*	
		For Base, Deduct	*-1,104.88*	
22 13 33 00-0300	EA	3" - 6", Ductile Iron And Stainless Steel, Horizontal Chopper Pump With Mechanical Seal (Vaughan HE4K6/HE4L6)	21,663.74	646.74
		For Stool, Deduct	*-703.10*	
		For Coupling, Deduct	*-200.89*	
		For Base, Deduct	*-1,104.88*	
22 13 33 00-0301	EA	3" - 6", Ductile Iron And Stainless Steel, Horizontal Chopper Pump With Mechanical Seal (Vaughan HE4S6/HE4T6)	22,615.95	646.74
		For Stool, Deduct	*-703.10*	
		For Coupling, Deduct	*-200.89*	
		For Base, Deduct	*-1,104.88*	
22 13 33 00-0302	EA	3" - 6", Ductile Iron And Stainless Steel, Horizontal Chopper Pump With Mechanical Seal (Vaughan HE6U8)	24,845.77	808.43
		For Stool, Deduct	*-703.10*	
		For Coupling, Deduct	*-200.89*	
		For Base, Deduct	*-1,104.88*	
22 13 33 00-0303	EA	3" - 6", Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan STHE3F6/STHE3G6)	27,046.95	538.95
22 13 33 00-0304	EA	3" - 6", Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan STHE3L6/STHE3M6)	28,238.23	538.95
22 13 33 00-0305	EA	3" - 6", Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan STHE3P6)	29,429.51	538.95
22 13 33 00-0306	EA	3" - 6", Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan STHE3V6/STHE3W6)	29,429.51	538.95
22 13 33 00-0307	EA	3" - 6", Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan STHE4K6/STHE4L6)	30,121.21	646.74
22 13 33 00-0308	EA	3" - 6", Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan STHE4S6/STHE4T6)	36,790.75	646.74
22 13 33 00-0309	EA	3" - 6", Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan STHE6U8)	44,976.96	808.43
22 13 33 00-0310	EA	3" - 6", Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan STHE6W8/6X)	44,976.96	808.43
22 13 33 00-0311	EA	3" - 6", Stainless Steel, Horizontal Chopper Pump With Mechanical Seal (Vaughan STHE3F6/STHE3G6)	27,523.06	538.95
22 13 33 00-0312	EA	3" - 6", Stainless Steel, Horizontal Chopper Pump With Mechanical Seal (Vaughan STHE3L6/STHE3M6)	28,714.34	538.95
22 13 33 00-0313	EA	3" - 6", Stainless Steel, Horizontal Chopper Pump With Mechanical Seal (Vaughan STHE3P6)	29,905.62	538.95
22 13 33 00-0314	EA	3" - 6", Stainless Steel, Horizontal Chopper Pump With Mechanical Seal (Vaughan STHE3V6/STHE3W6)	29,905.62	538.95
22 13 33 00-0315	EA	3" - 6", Stainless Steel, Horizontal Chopper Pump With Mechanical Seal (Vaughan STHE4K6/STHE4L6)	30,597.31	646.74
22 13 33 00-0316	EA	3" - 6", Stainless Steel, Horizontal Chopper Pump With Mechanical Seal (Vaughan STHE4S6/STHE4T6)	37,268.87	646.74
22 13 33 00-0317	EA	3" - 6", Stainless Steel, Horizontal Chopper Pump With Mechanical Seal (Vaughan STHE6U8)	45,453.07	808.43
22 13 33 00-0318	EA	3" - 6", Stainless Steel, Horizontal Chopper Pump With Mechanical Seal (Vaughan STHE6W8/6X)	45,453.07	808.43

22 13 33 00-0319 Horizontal End Suction Pumps (Vaughan) *(22 13 33 00-0223)*

22 13 33 00-0320	EA	8" - 12", Upgraded Roller Thrust And Radial Bearing, Ductile Iron And Stainless Steel, Horizontal End Suction Pump (Vaughan 8K-HES)	39,106.90	970.11
		For Stool, Deduct	*-1,004.45*	
		For No Base, Deduct	*-2,008.90*	
		For Coupling, Deduct	*-401.78*	
22 13 33 00-0321	EA	8" - 12", Upgraded Roller Thrust And Radial Bearing, Ductile Iron And Stainless Steel, Horizontal End Suction Pump (Vaughan 8K-HET)	41,489.45	970.11
		For Stool, Deduct	*-1,004.45*	
		For No Base, Deduct	*-2,008.90*	
		For Coupling, Deduct	*-401.78*	
22 13 33 00-0322	EA	8" - 12", Standard Bearing, Ductile Iron And Stainless Steel, Horizontal End Suction Pump (Vaughan 8P-HE)	48,398.06	970.11
		For Stool, Deduct	*-1,004.45*	
		For No Base, Deduct	*-2,008.90*	
		For Coupling, Deduct	*-401.78*	
22 13 33 00-0323	EA	8" - 12", Standard Roller Thrust And Radial Bearing, Ductile Iron And Stainless Steel, Horizontal End Suction Pump (Vaughan 8P-HER)	48,398.06	970.11
		For Stool, Deduct	*-1,004.45*	
		For No Base, Deduct	*-2,008.90*	
		For Coupling, Deduct	*-401.78*	
22 13 33 00-0324	EA	8" - 12", Upgraded Roller Thrust And Radial Bearing, Ductile Iron And Stainless Steel, Horizontal End Suction Pump (Vaughan 8P-HES)	50,780.62	970.11
		For Stool, Deduct	*-1,004.45*	
		For No Base, Deduct	*-2,008.90*	
		For Coupling, Deduct	*-401.78*	
22 13 33 00-0325	EA	8" - 12", Standard Bearing, Ductile Iron And Stainless Steel, Horizontal End Suction Pump (Vaughan 8N-HE)	48,398.06	970.11
		For Stool, Deduct	*-1,004.45*	
		For No Base, Deduct	*-2,008.90*	
		For Coupling, Deduct	*-401.78*	
22 13 33 00-0326	EA	8" - 12", Standard Bearing, Ductile Iron And Stainless Steel, Horizontal End Suction Pump (Vaughan 10R-HE)	65,744.16	1,185.70
		For Stool, Deduct	*-1,004.45*	
		For No Base, Deduct	*-2,209.79*	
		For Coupling, Deduct	*-401.78*	
22 13 33 00-0327	EA	8" - 12", Standard Roller Thrust And Radial Bearing, Ductile Iron And Stainless Steel, Horizontal End Suction Pump (Vaughan 10R-HER)	65,744.16	1,185.70
		For Stool, Deduct	*-1,004.45*	
		For No Base, Deduct	*-2,209.79*	
		For Coupling, Deduct	*-401.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 33 00-0328	EA	8" - 12", Standard Bearing, Ductile Iron And Stainless Steel, Horizontal End Suction Pump (Vaughan 12W-HE)	78,088.10	1,401.28
		For Stool, Deduct	*-1,004.45*	
		For No Base, Deduct	*-2,410.68*	
		For Coupling, Deduct	*-401.78*	
22 13 33 00-0329	EA	8" - 12", Standard Roller Thrust And Radial Bearing, Ductile Iron And Stainless Steel, Horizontal End Suction Pump (Vaughan 12W-HER)	78,088.10	1,401.28
		For Stool, Deduct	*-1,004.45*	
		For No Base, Deduct	*-2,410.68*	
		For Coupling, Deduct	*-401.78*	
22 13 33 00-0330	EA	8" - 12", Upgraded Roller Thrust And Radial Bearing, Stainless Steel, Horizontal End Suction Pump (Vaughan 8K-HES)	64,360.78	970.11
		For Stool, Deduct	*-1,004.45*	
		For No Base, Deduct	*-2,008.90*	
		For Coupling, Deduct	*-401.78*	
22 13 33 00-0331	EA	8" - 12", Upgraded Roller Thrust And Radial Bearing, Stainless Steel, Horizontal End Suction Pump (Vaughan 8K-HET)	66,743.34	970.11
		For Stool, Deduct	*-1,004.45*	
		For No Base, Deduct	*-2,008.90*	
		For Coupling, Deduct	*-401.78*	
22 13 33 00-0332	EA	8" - 12", Standard Bearing, Stainless Steel, Horizontal End Suction Pump (Vaughan 8P-HE)	82,467.00	970.11
		For Stool, Deduct	*-1,004.45*	
		For No Base, Deduct	*-2,008.90*	
		For Coupling, Deduct	*-401.78*	
22 13 33 00-0333	EA	8" - 12", Standard Roller Thrust And Radial Bearing, Stainless Steel, Horizontal End Suction Pump (Vaughan 8P-HER)	82,467.00	970.11
		For Stool, Deduct	*-1,004.45*	
		For No Base, Deduct	*-2,008.90*	
		For Coupling, Deduct	*-401.78*	
22 13 33 00-0334	EA	8" - 12", Upgraded Roller Thrust And Radial Bearing, Stainless Steel, Horizontal End Suction Pump (Vaughan 8P-HES)	84,849.55	970.11
		For Stool, Deduct	*-1,004.45*	
		For No Base, Deduct	*-2,008.90*	
		For Coupling, Deduct	*-401.78*	
22 13 33 00-0335	EA	8" - 12", Standard Bearing, Stainless Steel, Horizontal End Suction Pump (Vaughan 8N-HE)	82,467.00	970.11
		For Stool, Deduct	*-1,004.45*	
		For No Base, Deduct	*-2,008.90*	
		For Coupling, Deduct	*-401.78*	
22 13 33 00-0336	EA	8" - 12", Standard Bearing, Stainless Steel, Horizontal End Suction Pump (Vaughan 10R-HE)	107,912.98	1,185.70
		For Stool, Deduct	*-1,004.45*	
		For No Base, Deduct	*-2,209.79*	
		For Coupling, Deduct	*-401.78*	
22 13 33 00-0337	EA	8" - 12", Standard Roller Thrust And Radial Bearing, Stainless Steel, Horizontal End Suction Pump (Vaughan 10R-HER)	107,912.98	1,185.70
		For Stool, Deduct	*-1,004.45*	
		For No Base, Deduct	*-2,209.79*	
		For Coupling, Deduct	*-401.78*	
22 13 33 00-0338	EA	8" - 12", Standard Bearing, Stainless Steel, Horizontal End Suction Pump (Vaughan 12W-HE)	126,450.36	1,401.28
		For Stool, Deduct	*-1,004.45*	
		For No Base, Deduct	*-2,410.68*	
		For Coupling, Deduct	*-401.78*	
22 13 33 00-0339	EA	8" - 12", Standard Roller Thrust And Radial Bearing, Stainless Steel, Horizontal End Suction Pump (Vaughan 12W-HER)	126,450.36	1,401.28
		For Stool, Deduct	*-1,004.45*	
		For No Base, Deduct	*-2,410.68*	
		For Coupling, Deduct	*-401.78*	

22 13 33 00-0340 Vertical Pedestal Chopper Pumps (Vaughan) *(22 13 33 00-0223)*

22 13 33 00-0341	EA	3" - 6", Vertical Pedestal Chopper Pump With Packing (Vaughan PE3F6/PE3G6)	19,065.59	538.95
		For Pedestal, Deduct	*-1,104.88*	
		For Stool, Deduct	*-703.10*	
		For Coupling, Deduct	*-200.89*	
22 13 33 00-0342	EA	3" - 6", Vertical Pedestal Chopper Pump With Packing (Vaughan PE3L6/PE3M6)	20,017.81	538.95
		For Pedestal, Deduct	*-1,104.88*	
		For Stool, Deduct	*-703.10*	
		For Coupling, Deduct	*-200.89*	
22 13 33 00-0343	EA	3" - 6", Vertical Pedestal Chopper Pump With Packing (Vaughan PE3P6)	20,493.92	538.95
		For Pedestal, Deduct	*-1,104.88*	
		For Stool, Deduct	*-703.10*	
		For Coupling, Deduct	*-200.89*	
22 13 33 00-0344	EA	3" - 6", Vertical Pedestal Chopper Pump With Packing (Vaughan PE3V6/PE3W6)	20,493.92	538.95
		For Pedestal, Deduct	*-1,104.88*	
		For Stool, Deduct	*-703.10*	
		For Coupling, Deduct	*-200.89*	
22 13 33 00-0345	EA	3" - 6", Vertical Pedestal Chopper Pump With Packing (Vaughan PE4K6/PE4L6)	21,187.63	646.74
		For Pedestal, Deduct	*-1,258.72*	
		For Stool, Deduct	*-703.10*	
		For Coupling, Deduct	*-200.89*	
22 13 33 00-0346	EA	3" - 6", Vertical Pedestal Chopper Pump With Packing (Vaughan PE4S6/PE4T6)	22,139.85	646.74
		For Pedestal, Deduct	*-1,258.72*	
		For Stool, Deduct	*-703.10*	
		For Coupling, Deduct	*-200.89*	
22 13 33 00-0347	EA	3" - 6", Vertical Pedestal Chopper Pump With Packing (Vaughan PE6U8)	24,845.77	808.43
		For pedestal, Deduct	*-1,607.12*	
		For Stool, Deduct	*-703.10*	
		For Coupling, Deduct	*-200.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 33 00-0348	EA	Ductile Iron And Stainless Steel, Upgraded Roller Thrust And Radial Bearing, Vertical Dry Pit Pedestal (Vaughan 8K-PES)	39,820.06	970.11
		For No Stool, Deduct	*-1,004.45*	
		For No Coupling, Deduct	*-401.78*	
		For No Pedestal, Deduct	*-2,410.68*	
22 13 33 00-0349	EA	3" - 6", Vertical Pedestal Chopper Pump With Mechanical Seal (Vaughan PE3F6/PE3G6)	19,541.70	538.95
		For Pedestal, Deduct	*-1,104.88*	
		For Stool, Deduct	*-703.10*	
		For Coupling, Deduct	*-200.89*	
22 13 33 00-0350	EA	Ductile Iron And Stainless Steel, Standard Bearing, Vertical Dry Pit Pedestal (Vaughan 8P-PE)	49,350.28	970.11
		For No Stool, Deduct	*-1,004.45*	
		For No Coupling, Deduct	*-401.78*	
		For No Pedestal, Deduct	*-2,410.68*	
		For Stool, Deduct	*-1,004.45*	
22 13 33 00-0351	EA	3" - 6", Vertical Pedestal Chopper Pump With Mechanical Seal (Vaughan PE3L6/PE3M6)	20,493.92	538.95
		For Pedestal, Deduct	*-1,104.88*	
		For Stool, Deduct	*-703.10*	
		For Coupling, Deduct	*-200.89*	
22 13 33 00-0352	EA	Ductile Iron And Stainless Steel, Standard Roller Thrust And Radial Bearing, Vertical Dry Pit Pedestal (Vaughan 8P-PER)	49,350.28	970.11
		For No Stool, Deduct	*-1,004.45*	
		For No Coupling, Deduct	*-401.78*	
		For No Pedestal, Deduct	*-2,410.68*	
22 13 33 00-0353	EA	3" - 6", Vertical Pedestal Chopper Pump With Mechanical Seal (Vaughan PE3P6)	20,972.04	538.95
		For Pedestal, Deduct	*-1,104.88*	
		For Stool, Deduct	*-703.10*	
		For Coupling, Deduct	*-200.89*	
22 13 33 00-0354	EA	Ductile Iron And Stainless Steel, Standard Bearing, Vertical Dry Pit Pedestal (Vaughan 8N-PE)	49,350.28	970.11
		For No Stool, Deduct	*-1,004.45*	
		For No Coupling, Deduct	*-401.78*	
		For No Pedestal, Deduct	*-2,410.68*	
22 13 33 00-0355	EA	3" - 6", Vertical Pedestal Chopper Pump With Mechanical Seal (Vaughan PE3V6/PE3W6)	20,972.04	538.95
		For Pedestal, Deduct	*-1,104.88*	
		For Stool, Deduct	*-703.10*	
		For Coupling, Deduct	*-200.89*	
22 13 33 00-0356	EA	Ductile Iron And Stainless Steel, Standard Bearing, Vertical Dry Pit Pedestal (Vaughan 10R-PE)	67,411.55	1,185.70
		For No Stool, Deduct	*-1,004.45*	
		For No Coupling, Deduct	*-401.78*	
		For No Pedestal, Deduct	*-2,611.57*	
22 13 33 00-0357	EA	3" - 6", Vertical Pedestal Chopper Pump With Mechanical Seal (Vaughan PE4K6/PE4L6)	21,663.74	646.74
		For Pedestal, Deduct	*-1,258.72*	
		For Stool, Deduct	*-703.10*	
		For Coupling, Deduct	*-200.89*	
22 13 33 00-0358	EA	Ductile Iron And Stainless Steel, Standard Bearing, Vertical Dry Pit Pedestal (Vaughan 12W-PE)	79,755.48	1,401.28
		For No Stool, Deduct	*-1,004.45*	
		For No Coupling, Deduct	*-401.78*	
		For No Pedestal, Deduct	*-2,812.46*	
22 13 33 00-0359	EA	3" - 6", Vertical Pedestal Chopper Pump With Mechanical Seal (Vaughan PE4S6/PE4T6)	22,615.95	646.74
		For Pedestal, Deduct	*-1,258.72*	
		For Stool, Deduct	*-703.10*	
		For Coupling, Deduct	*-200.89*	
22 13 33 00-0360	EA	3" - 6", Vertical Pedestal Chopper Pump With Mechanical Seal (Vaughan PE6W8/6X)	25,321.88	808.43
		For pedestal, Deduct	*-1,607.12*	
		For Stool, Deduct	*-703.10*	
		For Coupling, Deduct	*-200.89*	

22 13 33 00-0361 Submersible Pump Accessories (Vaughan) *(22 13 33)*

22 13 33 00-0362	EA	Guide Rail Adapter Bracket For 3" Submersible Pump	1,191.28	
22 13 33 00-0363	EA	Discharge Elbow Base For 3" Submersible Pump	1,760.09	61.87
22 13 33 00-0364	EA	Top Guide Rail And Lift Chain Bracket For 3" Submersible Pump	498.89	11.26
22 13 33 00-0365	EA	Intermediate Guide Rail Support Bracket (Every 10') For 3" Sumbersible Pump	476.11	
22 13 33 00-0366	EA	Class 1, Guide Rail Adapter Bracket For 3" Submersible Pump	3,097.72	
22 13 33 00-0367	EA	Class 1, Discharge Elbow Base For 3" Submersible Pump	1,667.39	
22 13 33 00-0368	EA	Class 1, Top Guide Rail And Lift Chain Bracket For 3" Submersible Pump	498.89	11.26
22 13 33 00-0369	EA	Class 1, Intermediate Guide Rail Support Bracket (Every 10') For 3" Submersible Pump	476.11	
22 13 33 00-0370	EA	25', 316 Stainless Steel, Safety Lift Cable With Stainless Steel Clevis For 3" Submersible Pump	833.69	
22 13 33 00-0371	EA	25', Galvanized, Safety Chain With Hook For 3" Submersible Pump	715.17	
22 13 33 00-0372	EA	25", 316 Stainless Steel, Safety Chain With Clevis For 3" Submersible Pump	1,667.39	
22 13 33 00-0373	LF	Galvanized Pipe, Guide Rails For 3" Submersible Pump	95.10	11.26
22 13 33 00-0374	LF	316 Stainless Steel Pipe, Guide Rails For 3" Submersible Pump	177.47	11.26
22 13 33 00-0375	EA	Stainless Steel, Cable Holder Bracket For 3" Submersible Pump	594.63	
22 13 33 00-0376	EA	Guide Rail Adapter Bracket For 4" Submersible Pump	1,430.34	
22 13 33 00-0377	EA	Discharge Elbow Base For 4" Submersible Pump	2,014.24	71.90
22 13 33 00-0378	EA	Top Guide Rail And Lift Chain Bracket For 4" Submersible Pump	498.89	11.26
22 13 33 00-0379	EA	Intermediate Guide Rail Support Bracket (Every 10') For 4" Submersible Pump	500.22	
22 13 33 00-0380	EA	Class 1, Guide Rail Adapter Bracket For 4" Submersible Pump	3,334.77	
22 13 33 00-0381	EA	Class 1, Discharge Elbow Base For 4" Submersible Pump	1,906.45	
22 13 33 00-0382	EA	Class 1, Top Guide Rail And Lift Chain Bracket For 4" Submersible Pump	498.89	11.26
22 13 33 00-0383	EA	Class 1, Intermediate Guide Rail Support Bracket (Every 10') For 4" Submersible Pump	500.22	
22 13 33 00-0384	EA	25', 316 Stainless Steel, Safety Lift Cable With Stainless Steel Clevis For 4" Submersible Pump	833.69	
22 13 33 00-0385	EA	25', Galvanized, Safety Chain With Hook For 4" Submersible Pump	715.17	
22 13 33 00-0386	EA	25", 316 Stainless Steel, Safety Chain With Clevis For 4" Submersible Pump	1,667.39	
22 13 33 00-0387	EA	Galvanized Pipe, Guide Rails For 4" Submersible Pump	72.32	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 33 00-0388	EA	316 Stainless Steel Pipe, Guide Rails For 4" Submersible Pump	177.47	11.26
22 13 33 00-0389	EA	Stainless Steel, Cable Holder Bracket For 4" Submersible Pump	594.63	
22 13 33 00-0390	EA	Portable Stand For 4" Submersible Pump	952.22	
22 13 33 00-0391	EA	Guide Rail Adapter Bracket For 6" Submersible Pump	1,667.39	
22 13 33 00-0392	EA	Discharge Elbow Base For 6" Submersible Pump	2,522.68	93.46
22 13 33 00-0393	EA	Top Guide Rail And Lift Chain Bracket For 6" Submersible Pump	498.89	11.26
22 13 33 00-0394	EA	Intermediate Guide Rail Support Bracket (Every 10') For 6" Sumbersible Pump	524.32	
22 13 33 00-0395	EA	Class 1, Guide Rail Adapter Bracket For 6" Submersible Pump	3,573.83	
22 13 33 00-0396	EA	Class 1, Discharge Elbow Base For 6" Submersible Pump	2,382.56	
22 13 33 00-0397	EA	Class 1, Top Guide Rail And Lift Chain Bracket For 6" Submersible Pump	498.89	11.26
22 13 33 00-0398	EA	Class 1, Intermediate Guide Rail Support Bracket (Every 10') For 6" Submersible Pump	524.32	
22 13 33 00-0399	EA	25', 316 Stainless Steel, Safety Lift Cable With Stainless Steel Clevis For 6" Submersible Pump	833.69	
22 13 33 00-0400	EA	25', Galvanized, Safety Chain With Hook For 6" Submersible Pump	715.17	
22 13 33 00-0401	EA	25", 316 Stainless Steel, Safety Chain With Clevis For 6" Submersible Pump	1,667.39	
22 13 33 00-0402	EA	Galvanized Pipe, Guide Rails For 6" Submersible Pump	72.32	
22 13 33 00-0403	EA	316 Stainless Steel Pipe, Guide Rails For 6" Submersible Pump	177.47	11.26
22 13 33 00-0404	EA	Stainless Steel, Cable Holder Bracket For 6" Submersible Pump	594.63	
22 13 33 00-0405	EA	Portable Stand For 6" Submersible Pump	952.22	
22 13 33 00-0406	EA	Guide Rail Adapter Bracket For 8" Submersible Pump	2,143.50	
22 13 33 00-0407	EA	Discharge Elbow Base For 8" Submersible Pump	3,729.04	103.48
22 13 33 00-0408	EA	Intermediate Guide Rail Support Bracket (Every 10') For 8" Sumbersible Pump	833.69	
22 13 33 00-0409	EA	Class 1, Guide Rail Adapter Bracket For 8" Submersible Pump	4,049.94	
22 13 33 00-0410	EA	Class 1, Discharge Elbow Base For 8" Submersible Pump	3,573.83	
22 13 33 00-0411	EA	Class 1, Top Guide Rail And Lift Chain Bracket For 8" Submersible Pump	737.95	11.26
22 13 33 00-0412	EA	Class 1, Intermediate Guide Rail Support Bracket (Every 10') For 8" Submersible Pump	833.69	
22 13 33 00-0413	EA	25', 316 Stainless Steel, Safety Lift Cable With Stainless Steel Clevis For 8" Submersible Pump	1,785.91	
22 13 33 00-0414	EA	25', Galvanized, Safety Chain With Hook For 8" Submersible Pump	1,430.34	
22 13 33 00-0415	EA	25", 316 Stainless Steel, Safety Chain With Clevis For 8" Submersible Pump	4,049.94	
22 13 33 00-0416	EA	Galvanized Pipe, Guide Rails For 8" Submersible Pump	118.53	
22 13 33 00-0417	EA	316 Stainless Steel Pipe, Guide Rails For 8" Submersible Pump	261.84	11.26
22 13 33 00-0418	EA	Stainless Steel, Cable Holder Bracket For 8" Submersible Pump	594.63	
22 13 33 00-0419	EA	Portable Stand For 8" Submersible Pump	2,143.50	
22 13 33 00-0420	EA	Guide Rail Adapter Bracket For 10" Submersible Pump	2,621.61	
22 13 33 00-0421	EA	Discharge Elbow Base For 10" Submersible Pump	4,220.25	113.18
22 13 33 00-0422	EA	Straight Thru Discharge Base For 10" Submersible Pump	4,049.94	
22 13 33 00-0423	EA	Top Guide Rail And Lift Chain Bracket For 10" Submersible Pump	737.95	11.37
22 13 33 00-0424	EA	Intermediate Guide Rail Support Bracket (Every 10') For 10" Sumbersible Pump	1,589.04	
22 13 33 00-0425	EA	Class 1, Guide Rail Adapter Bracket For 10" Submersible Pump	5,480.28	
22 13 33 00-0426	EA	Class 1, Discharge Elbow Base For 10" Submersible Pump	4,049.94	
22 13 33 00-0427	EA	Class 1, Straight Thru Discharge Base For 10" Submersible Pump	4,049.94	
22 13 33 00-0428	EA	Class 1, Top Guide Rail And Lift Chain Bracket For 10" Submersible Pump	737.95	11.37
22 13 33 00-0429	EA	Class 1, Intermediate Guide Rail Support Bracket (Every 10') For 10" Submersible Pump	1,191.28	
22 13 33 00-0430	EA	25', 316 Stainless Steel, Safety Lift Cable With Stainless Steel Clevis For 10" Submersible Pump	1,785.91	
22 13 33 00-0431	EA	25', Galvanized, Safety Chain With Hook For 10" Submersible Pump	1,430.34	
22 13 33 00-0432	EA	25", 316 Stainless Steel, Safety Chain With Clevis For 10" Submersible Pump	4,049.94	
22 13 33 00-0433	EA	Galvanized Pipe, Guide Rails For 10" Submersible Pump	141.31	11.37
22 13 33 00-0434	EA	316 Stainless Steel Pipe, Guide Rails For 10" Submersible Pump	261.84	11.37
22 13 33 00-0435	EA	Stainless Steel, Cable Holder Bracket For 10" Submersible Pump	594.63	
22 13 33 00-0436	EA	Portable Stand For 10" Submersible Pump	2,143.50	
22 13 33 00-0437	EA	5 - 15 HP, 3" - 6" Pump Belt Drive	2,858.66	
22 13 33 00-0438	EA	20 - 30 HP, 3" - 6" Pump Belt Drive	3,097.72	
22 13 33 00-0439	EA	40 - 50 HP, 3" - 6" Pump Belt Drive	3,334.77	
22 13 33 00-0440	EA	60 - 75 HP, 3" - 6" Pump Belt Drive	3,573.83	
22 13 33 00-0441	EA	100 HP, 3" - 6" Pump Belt Drive	3,812.89	
22 13 33 00-0442	EA	5 - 15 HP, 8" - 12" Pump Belt Drive	4,289.00	
22 13 33 00-0443	EA	20 - 30 HP, 8" - 12" Pump Belt Drive	4,526.05	
22 13 33 00-0444	EA	40 - 50 HP, 8" - 12" Pump Belt Drive	4,765.11	
22 13 33 00-0445	EA	60 - 75 HP, 8" - 12" Pump Belt Drive	5,002.16	
22 13 33 00-0446	EA	100 HP, 8" - 12" Pump Belt Drive	5,480.28	
22 13 33 00-0447	EA	125 HP, 8" - 12" Pump Belt Drive	6,432.50	
22 13 33 00-0448	EA	150 - 200 HP, 8" - 12" Pump Belt Drive	6,671.56	

22 13 33 00-0449 Submersible Pumps (Zoeller) *(22 13 33)*

22 13 33 00-0450	EA	0.5 HP, 2" Discharge, 1750 RPM, Vortex Impeller With 25' Cord (Zoeller 6282)	3,324.52	301.82
		For Moisture Probe, Add	*265.17*	
		For 3 Phase Adder, Add	*165.73*	
		For Silicone Carbide / Silicone Carbide Seal	*187.83*	
		For Certified Test, Add	*441.96*	
		For 50' Cord Adder, Add	*276.22*	
22 13 33 00-0451	EA	1 HP, 2" Discharge, 1750 RPM, Vortex Impeller With 25' Cord (Zoeller 6284)	3,616.52	344.93
		For Moisture Probe, Add	*265.17*	
		For 3 Phase Adder, Add	*165.73*	
		For Silicone Carbide / Silicone Carbide Seal	*187.83*	
		For Certified Test, Add	*441.96*	
		For 50' Cord Adder, Add	*276.22*	
22 13 33 00-0452	EA	1 HP, 2" Discharge, 3450 RPM, Vortex Impeller With 25' Cord (Zoeller 6292)	3,503.02	344.93
		For Moisture Probe, Add	*265.17*	
		For 3 Phase Adder, Add	*165.73*	
		For Silicone Carbide / Silicone Carbide Seal	*187.83*	
		For Certified Test, Add	*441.96*	
		For 50' Cord Adder, Add	*276.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 33 00-0453	EA	0.5 HP, 2" Discharge, 1750 RPM, Explosion Proof Vortex Impeller With 25' Cord (Zoeller X6282)	6,069.07	301.82
		For 3 Phase Adder, Add	*165.73*	
		For Silicone Carbide / Silicone Carbide Seal	*187.83*	
		For Certified Test, Add	*441.96*	
		For 50' Cord Adder, Add	*276.22*	
22 13 33 00-0454	EA	1 HP, 2" Discharge, 1750 RPM, Explosion Proof Vortex Impeller With 25' Cord (Zoeller X6284)	6,733.73	344.93
		For 3 Phase Adder, Add	*165.73*	
		For Silicone Carbide / Silicone Carbide Seal	*187.83*	
		For Certified Test, Add	*441.96*	
		For 50' Cord Adder, Add	*276.22*	
22 13 33 00-0455	EA	1 HP, 2" Discharge, 3450 RPM, Explosion Proof Vortex Impeller With 25' Cord (Zoeller X6292)	6,491.26	344.93
		For 3 Phase Adder, Add	*165.73*	
		For Silicone Carbide / Silicone Carbide Seal	*187.83*	
		For Certified Test, Add	*441.96*	
		For 50' Cord Adder, Add	*276.22*	
22 13 33 00-0456	EA	1 HP, 3" Discharge, 1750 RPM, 61HD Semi-Open Impeller With 25' Cord (Zoeller 6120)	7,420.98	344.93
22 13 33 00-0457	EA	1.5 HP, 3" Dischrage, 1750 RPM, 61HD Semi-Open Impeller With 25' Cord (Zoeller 6121)	7,969.32	463.50
		For Silicone Carbide / Silicone Carbide Seal	*187.83*	
		For Certified Test, Add	*441.96*	
		For 1 Phase Adder, Add	*243.08*	
		For 3" Solids Capacity, Add	*618.74*	
		For Impeller Trim, Add	*331.47*	
		For Thermal And Moisture Sensors, Add	*375.66*	
		For 50' Cord Adder, Add	*552.45*	
22 13 33 00-0458	EA	2 HP, 3" Discharge, 1750 RPM, 61HD Semi-Open Impeller With 25' Cord (Zoeller 6122)	8,128.75	582.07
		For Silicone Carbide / Silicone Carbide Seal	*187.83*	
		For Certified Test, Add	*441.96*	
		For 1 Phase Adder, Add	*243.08*	
		For 3" Solids Capacity, Add	*618.74*	
		For Impeller Trim, Add	*331.47*	
		For Thermal And Moisture Sensors, Add	*375.66*	
		For 50' Cord Adder, Add	*552.45*	
22 13 33 00-0459	EA	3 HP, 3" Discharge, 1750 RPM, 61HD Semi-Open Impeller With 25' Cord (Zoeller 6123)	8,939.44	700.64
		For Silicone Carbide / Silicone Carbide Seal	*187.83*	
		For Certified Test, Add	*441.96*	
		For 1 Phase Adder, Add	*243.08*	
		For 3" Solids Capacity, Add	*618.74*	
		For Impeller Trim, Add	*331.47*	
		For Thermal And Moisture Sensors, Add	*375.66*	
		For 50' Cord Adder, Add	*552.45*	
22 13 33 00-0460	EA	5 HP, 3" Discharge, 1750 RPM, 61HD Semi-Open Impeller With 25' Cord (Zoeller 6124)	10,029.39	819.21
		For Silicone Carbide / Silicone Carbide Seal	*187.83*	
		For Certified Test, Add	*441.96*	
		For 1 Phase Adder, Add	*243.08*	
		For 3" Solids Capacity, Add	*618.74*	
		For Impeller Trim, Add	*331.47*	
		For Thermal And Moisture Sensors, Add	*375.66*	
		For 50' Cord Adder, Add	*552.45*	
22 13 33 00-0461	EA	7.5 HP, 3" Discharge, 1750 RPM, 61HD Semi-Open Impeller With 25' Cord (Zoeller 6125)	12,443.19	937.78
		For Silicone Carbide / Silicone Carbide Seal	*187.83*	
		For Certified Test, Add	*441.96*	
		For 1 Phase Adder, Add	*243.08*	
		For 3" Solids Capacity, Add	*618.74*	
		For Impeller Trim, Add	*331.47*	
		For Thermal And Moisture Sensors, Add	*375.66*	
		For 50' Cord Adder, Add	*552.45*	
22 13 33 00-0462	EA	1 HP, 3" Discharge, 1750 RPM, Explosion Proof, 61HD Semi-Open Impeller With 25' Cord (Zoeller X6120)	9,098.21	344.93
22 13 33 00-0463	EA	1.5 HP, 3" Discharge, 1750 RPM, Explosion Proof, 61HD Semi-Open Impeller With 25' Cord (Zoeller X6121)	9,474.19	463.50
		For Silicone Carbide / Silicone Carbide Seal	*187.83*	
		For Certified Test, Add	*441.96*	
		For 1 Phase Adder, Add	*243.08*	
		For 3" Solids Capacity, Add	*618.74*	
		For Impeller Trim, Add	*331.47*	
		For 50' Cord Adder, Add	*552.45*	
22 13 33 00-0464	EA	2 HP, 3" Discharge, 1750 RPM, Explosion Proof, 61HD Semi-Open Impeller With 25' Cord (Zoeller X6122)	10,022.54	582.07
		For Silicone Carbide / Silicone Carbide Seal	*187.83*	
		For Certified Test, Add	*441.96*	
		For 1 Phase Adder, Add	*243.08*	
		For 3" Solids Capacity, Add	*618.74*	
		For Impeller Trim, Add	*331.47*	
		For 50' Cord Adder, Add	*552.45*	
22 13 33 00-0465	EA	3 HP, 3" Discharge, 1750 RPM, Explosion Proof, 61HD Semi-Open Impeller With 25' Cord (Zoeller X6123)	10,767.54	700.64
		For Silicone Carbide / Silicone Carbide Seal	*187.83*	
		For Certified Test, Add	*441.96*	
		For 1 Phase Adder, Add	*243.08*	
		For 3" Solids Capacity, Add	*618.74*	
		For Impeller Trim, Add	*331.47*	
		For 50' Cord Adder, Add	*552.45*	
22 13 33 00-0466	EA	5 HP, 3" Discharge, 1750 RPM, Explosion Proof, 61HD Semi-Open Impeller With 25' Cord (Zoeller Engineered Products X6124)	11,859.50	819.21
		For Silicone Carbide / Silicone Carbide Seal	*187.83*	
		For Certified Test, Add	*441.96*	
		For 1 Phase Adder, Add	*243.08*	
		For 3" Solids Capacity, Add	*618.74*	
		For Impeller Trim, Add	*331.47*	
		For 50' Cord Adder, Add	*552.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 33 00-0467	EA	7.5 HP, 3" Discharge, 1750 RPM, Explosion Proof, 61HD Semi-Open Impeller With 25' Cord (Zoeller X6125)	12,443.19	937.78
		For Silicone Carbide / Silicone Carbide Seal	*187.83*	
		For Certified Test, Add	*441.96*	
		For 1 Phase Adder, Add	*243.08*	
		For 3" Solids Capacity, Add	*618.74*	
		For Impeller Trim, Add	*331.47*	
		For 50' Cord Adder, Add	*552.45*	
22 13 33 00-0468	EA	115 V/230 V, Variable Level Control Switch With 25' Cord (Zoeller 10-1877)	164.39	26.95
22 13 33 00-0469	EA	115 V/230 V, Variable Level Control Switch With 50' Cord (Zoeller 10-1879)	221.84	26.95
22 13 33 00-0470	EA	30 Volt DC / 125 Volt AC, Intrinsically Safe Variable Control Switch With 25' Cord (Zoeller 10-2066)	204.17	26.95
22 13 33 00-0471	EA	30 Volt DC / 125 Volt AC, Intrinsically Safe Variable Control Switch With 50' Cord (Zoeller 10-2068)	261.62	26.95
22 13 33 00-0472	EA	Stainless Steel, 4 Float Bracket (Zoeller 10-0253)	377.82	67.91
22 13 33 00-0473	EA	2" Z Rail Base Elbow And Disconnect (Zoeller 39-0128)	1,498.56	50.66
22 13 33 00-0474	EA	2" Z Rail Base Elbow And Disconnect With Stainless Steel Upper Rail Bracket (Zoeller 39-0129)	1,953.78	50.66
22 13 33 00-0475	EA	3" Base Elbow And Disconnect (Zoeller 39-0094)	2,561.04	61.44
22 13 33 00-0476	EA	4" Base Elbow And Disconnect (Zoeller 39-0016)	3,436.54	72.22

22 13 33 00-0477 Mounted Motors (Vaughan) *(22 13 33)*

22 13 33 00-0478 C-FACE Mounted Motors (Vaughan) *(22 13 33 00-0477)*

22 13 33 00-0479	EA	5 HP, 1170 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 215TC)	3,605.35	252.14
22 13 33 00-0480	EA	5 HP, 1170 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 215TC)	3,784.14	252.14
22 13 33 00-0481	EA	5 HP, 1750 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 184TC)	2,295.55	252.14
22 13 33 00-0482	EA	5 HP, 1750 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 184TC)	2,498.44	252.14
22 13 33 00-0483	EA	7.5 HP, 1170 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 254TC)	4,859.58	252.14
22 13 33 00-0484	EA	7.5 HP, 1170 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 254TC)	5,777.65	252.14
22 13 33 00-0485	EA	7.5 HP, 1750 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 213TC)	3,131.93	252.14
22 13 33 00-0486	EA	7.5 HP, 1750 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 213TC)	3,431.26	252.14
22 13 33 00-0487	EA	10 HP, 1170 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 256TC)	6,052.51	441.24
22 13 33 00-0488	EA	10 HP, 1170 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 256TC)	7,040.88	441.24
22 13 33 00-0489	EA	10 HP, 1750 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 215TC)	3,587.59	441.24
22 13 33 00-0490	EA	10 HP, 1750 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 215TC)	3,979.32	441.24
22 13 33 00-0491	EA	15 HP, 1170 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 284TC)	8,038.16	441.24
22 13 33 00-0492	EA	15 HP, 1170 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 284TC)	8,658.91	441.24
22 13 33 00-0493	EA	15 HP, 1750 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 254TC)	5,060.97	441.24
22 13 33 00-0494	EA	15 HP, 1750 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 254TC)	5,525.03	441.24
22 13 33 00-0495	EA	15 HP, 3510 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 254TC)	5,036.86	441.24
22 13 33 00-0496	EA	20 HP, 1170 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 286TC)	9,948.91	630.34
22 13 33 00-0497	EA	20 HP, 1170 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 286TC)	11,401.34	630.34
22 13 33 00-0498	EA	20 HP, 1750 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 256TC)	6,244.49	630.34
22 13 33 00-0499	EA	20 HP, 1750 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 256TC)	6,447.39	630.34
22 13 33 00-0500	EA	20 HP, 3510 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 256TC)	6,136.01	630.34
22 13 33 00-0501	EA	25 HP, 1170 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 324TC)	11,768.40	630.34
22 13 33 00-0502	EA	25 HP, 1170 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 324TC)	12,768.83	630.34
22 13 33 00-0503	EA	25 HP, 1750 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 284TC)	7,646.14	630.34
22 13 33 00-0504	EA	25 HP, 1750 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 284TC)	7,955.51	630.34
22 13 33 00-0505	EA	25 HP, 3510 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 284TSC)	7,467.34	630.34
22 13 33 00-0506	EA	30 HP, 1170 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 326TC)	13,772.41	630.34
22 13 33 00-0507	EA	30 HP, 1170 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 326TC)	14,535.79	630.34
22 13 33 00-0508	EA	30 HP, 1750 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 286TC)	9,364.88	630.34
22 13 33 00-0509	EA	30 HP, 1750 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 286TC)	9,688.31	630.34
22 13 33 00-0510	EA	40 HP, 1170 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 364TC)	16,454.00	945.51
22 13 33 00-0511	EA	40 HP, 1170 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 364TC)	20,861.53	945.51
22 13 33 00-0512	EA	40 HP, 1750 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 324TC)	12,225.27	945.51
22 13 33 00-0513	EA	50 HP, 1170 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 365TC)	22,451.70	945.51
22 13 33 00-0514	EA	50 HP, 1170 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 365TC)	23,464.18	945.51
22 13 33 00-0515	EA	50 HP, 1750 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 326TC)	12,708.53	945.51
22 13 33 00-0516	EA	50 HP, 1750 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 326TC)	13,933.96	945.51

22 13 33 00-0517 Foot Mounted Motors (Vaughan) *(22 13 33 00-0477)*

22 13 33 00-0518	EA	5 HP, 1170 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 215T)	3,332.14	252.14
22 13 33 00-0519	EA	5 HP, 1170 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 215T)	3,689.72	252.14
22 13 33 00-0520	EA	5 HP, 1750 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 184T)	2,175.01	252.14
22 13 33 00-0521	EA	5 HP, 1750 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 184T)	2,462.28	252.14
22 13 33 00-0522	EA	7.5 HP, 1170 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 254T)	4,431.69	252.14
22 13 33 00-0523	EA	7.5 HP, 1170 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 254T)	5,395.96	252.14
22 13 33 00-0524	EA	7.5 HP, 1750 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 213T)	2,655.82	252.14
22 13 33 00-0525	EA	7.5 HP, 1750 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 213T)	3,370.99	252.14
22 13 33 00-0526	EA	10 HP, 1170 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 256T)	5,576.40	441.24
22 13 33 00-0527	EA	10 HP, 1170 RPM, hemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 256T)	6,671.25	441.24
22 13 33 00-0528	EA	10 HP, 1750 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 215T)	3,300.31	441.24
22 13 33 00-0529	EA	10 HP, 1750 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 215T)	3,921.06	441.24
22 13 33 00-0530	EA	15 HP, 1170 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 284T)	7,407.37	441.24
22 13 33 00-0531	EA	15 HP, 1170 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 284T)	8,158.70	441.24
22 13 33 00-0532	EA	15 HP, 1750 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 254T)	4,357.86	441.24
22 13 33 00-0533	EA	15 HP, 1750 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 254T)	5,298.02	441.24
22 13 33 00-0534	EA	20 HP, 1170 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 286T)	9,318.11	630.34
22 13 33 00-0535	EA	20 HP, 1170 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 286T)	10,889.07	630.34
22 13 33 00-0536	EA	20 HP, 1750 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 256T)	5,410.80	630.34
22 13 33 00-0537	EA	20 HP, 1750 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 256T)	6,326.86	630.34

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 33 00-0538	EA	25 HP, 1170 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 324T)	10,970.87	630.34
22 13 33 00-0539	EA	25 HP, 1170 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 324T)	12,089.82	630.34
22 13 33 00-0540	EA	25 HP, 1750 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 284T)	6,609.54	630.34
22 13 33 00-0541	EA	25 HP, 1750 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 284T)	7,849.04	630.34
22 13 33 00-0542	EA	30 HP, 1170 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 326T)	12,796.08	630.34
22 13 33 00-0543	EA	30 HP, 1170 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 326T)	13,856.78	630.34
22 13 33 00-0544	EA	30 HP, 1750 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 286T)	7,852.18	630.34
22 13 33 00-0545	EA	30 HP, 1750 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 286T)	9,294.57	630.34
22 13 33 00-0546	EA	40 HP, 1170 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 364T)	16,299.32	945.51
22 13 33 00-0547	EA	40 HP, 1170 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 364T)	18,824.50	945.51
22 13 33 00-0548	EA	40 HP, 1750 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 324T)	10,342.93	945.51
22 13 33 00-0549	EA	40 HP, 1750 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 324T)	11,307.20	945.51
22 13 33 00-0550	EA	50 HP, 1170 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 365T)	21,272.47	945.51
22 13 33 00-0551	EA	50 HP, 1170 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 365T)	22,057.95	945.51
22 13 33 00-0552	EA	50 HP, 1750 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 326T)	12,375.05	945.51
22 13 33 00-0553	EA	50 HP, 1750 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 326T)	13,160.53	945.51

22 13 33 00-0554 Submersible Pumps (Hayward Gordon) *(22 13 33)*

22 13 33 00-0555 Chopper Pumps (Hayward Gordon) *(22 13 33 00-0554)*

22 13 33 00-0556	EA	5 HP, 460 Volt, 60 Hertz, 28' Total Dynamic Head, 180 GPM, 1510 RPM, 3 Phase, Submersible Chopper Pump (Hayward Gordon)	33,406.50	344.93
22 13 33 00-0557	EA	20 HP, 460 Volt, 60 Hertz, 60' Total Dynamic Head, 600 GPM, 1570 RPM, 3 Phase Submersible Chopper Pump (Hayward Gordon 20-60-600-1570SP)	56,668.08	689.87
22 13 33 00-0558	EA	75 HP, 460 Volt, 60 Hertz, 29' Total Dynamic Head, 5500 GPM, 790 RPM, 3 Phase Submersible Chopper Pump (Hayward Gordon 75-29-5500-790SP)	106,599.72	1,164.14

22 13 33 00-0559 Recessed Impeller Centrifugal Pumps (Hayward Gordon) *(22 13 33 00-0554)*

22 13 33 00-0560	EA	40 HP, 460 Volt, 60 Hertz, 65' Total Dynamic Head, 450 GPM, 1460 RPM, 3 Phase, Submersible Recessed Impeller Centrifugal Pump (Hayward Gordon)	48,174.32	948.56
22 13 33 00-0561	EA	50 HP, 460 Volt, 60 Hertz, 65' Total Dynamic Head, 1,000 GPM, 1550 RPM, 3 Phase, Submersible Recessed Impeller Centrifugal Pump (Hayward Gordon)	53,677.95	1,121.03
22 13 33 00-0562	EA	100 HP, 460 Volt, 60 Hertz, 130' Total Dynamic Head, 900 GPM, 1430 RPM, 3 Phase Submersible Recessed Impeller Centrifugal Pump (Hayward Gordon 100-130-900-1430SP)	88,395.65	1,379.72
22 13 33 00-0563	EA	100 HP, 460 Volt, 60 Hertz, 53' To 132' Total Dynamic Head, 952 GPM, 1450 RPM, 3 Phase Submersible Recessed Impeller Centrifugal Pump (Hayward Gordon)	88,395.65	1,379.72

22 13 33 00-0564 Screw Centrifugal Pumps (Hayward Gordon) *(22 13 33 00-0554)*

22 13 33 00-0565	EA	25 HP, 460 Volt, 60 Hertz, 67' Total Dynamic Head, 900 GPM, 1700 RPM, 3 Phase Submersible Screw Centrifugal Pump (Hayward Gordon)	45,633.82	776.09
22 13 33 00-0566	EA	60 HP, 460 Volt, 60 Hertz, 29' Total Dynamic Head, 1500 GPM, 1460 RPM, 3 Phase Submersible Screw Centrifugal Pump (Hayward Gordon)	65,490.28	1,121.03
22 13 33 00-0567	EA	75 HP, 460 Volt, 60 Hertz, 67' Total Dynamic Head, 1440 GPM, 1510 RPM, 3 Phase Submersible Screw Centrifugal Pump (Hayward Gordon)	74,256.43	1,164.14
22 13 33 00-0568	EA	75 HP, 460 Volt, 60 Hertz, 29' Total Dynamic Head, 5500 GPM, 970 RPM, 3 Phase Submersible Screw Centrifugal Pump (Hayward Gordon 75-29-5500-970SP)	101,396.67	1,164.14
22 13 33 00-0569	EA	100 HP, 460 Volt, 60 Hertz, 44' Total Dynamic Head, 4514 GPM, 1030 RPM, 3 Phase Submersible Screw Centrifugal Pump (Hayward Gordon)	100,730.29	1,379.72
22 13 33 00-0570	EA	100 HP, 460 Volt, 60 Hertz, 132' Total Dynamic Head, 900 GPM, 1690 RPM, 3 Phase Submersible Screw Centrifugal Pump (Hayward Gordon)	76,101.18	1,379.72

22 14 Facility Storm Drainage *(22 10)*

22 14 13 Facility Storm Drainage Piping *(22 14)*

See CSI section 22 13 16 00-0000 for storm drainage piping.

22 14 26 Facility Storm Drains *(22 14)*

22 14 26 13 Roof Drains *(22 14 26)*

22 14 26 13-0001 Cast Iron Roof Drains *(22 14 26 13)*

22 14 26 13-0002 Cast Iron Roof Drains With Large Polypropylene Dome *(22 14 26 13-0001)*

Note: Dome free area is 124 square inches.

22 14 26 13-0003	EA	15" Diameter Cast Iron Roof Drain With 2" Outlet, 124 Square Inch Free Area Polypropylene Dome	998.18	179.69
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Bronze Dome, Add	*448.80*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0004	EA	15" Diameter Cast Iron Roof Drain With 3" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,088.01	215.58
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Bronze Dome, Add	*448.80*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0005	EA	15" Diameter Cast Iron Roof Drain With 4" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,177.83	269.48
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Bronze Dome, Add	*448.80*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0006	EA	15" Diameter Cast Iron Roof Drain With 5" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,587.00	323.37
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Bronze Dome, Add	*448.80*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0007	EA	15" Diameter Cast Iron Roof Drain With 6" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,631.91	359.27
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Bronze Dome, Add	*448.80*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0008	EA	15" Diameter Cast Iron Roof Drain With 8" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,940.16	377.27
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Bronze Dome, Add	*448.80*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0009	EA	15" Diameter Cast Iron Roof Drain With 10" Outlet, 124 Square Inch Free Area Polypropylene Dome	2,652.07	390.74
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Bronze Dome, Add	*448.80*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	

22 14 26 13-0010 Cast Iron Roof Drains With Expansion Joint *(22 14 26 13-0001)*

Note: With polypropylene dome. Dome free area is 124 square inches.

22 14 26 13-0011	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 2" Outlet, Polypropylene Dome	1,567.38	179.69
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0012	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 3" Outlet, Polypropylene Dome	1,696.97	215.58
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0013	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 4" Outlet, Polypropylene Dome	1,864.22	269.48
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0014	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 5" Outlet, Polypropylene Dome	2,585.19	323.37
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0015	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 6" Outlet, Polypropylene Dome	2,774.49	359.27
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	

22 14 26 13-0016 Cast Iron Roof Drains With Flat Bronze Promenade Top *(22 14 26 13-0001)*

22 14 26 13-0017	EA	14" x 14" Cast Iron Roof Drain With 2" Outlet, Bronze Promenade Top	2,183.72	179.69
		For Galvanized Iron Parts, Add	*480.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0018	EA	14" x 14" Cast Iron Roof Drain With 3" Outlet, Bronze Promenade Top	2,273.55	215.58
		For Galvanized Iron Parts, Add	*480.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0019	EA	14" x 14" Cast Iron Roof Drain With 4" Outlet, Bronze Promenade Top	2,363.37	269.48
		For Galvanized Iron Parts, Add	*480.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0020	EA	14" x 14" Cast Iron Roof Drain With 5" Outlet, Bronze Promenade Top	2,754.98	323.37
		For Galvanized Iron Parts, Add	*480.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0021	EA	14" x 14" Cast Iron Roof Drain With 6" Outlet, Bronze Promenade Top	2,799.89	359.27
		For Galvanized Iron Parts, Add	*480.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0022		**Cast Iron Scupper Drain With L-Shaped Bronze Grate** *(22 14 26 13-0001)*		
22 14 26 13-0023	EA	Cast Iron Scupper Drain With 2" Outlet, L-Shaped Bronze Grate	1,421.47	71.90
		For Galvanized Cast Iron Parts, Add	*128.00*	
		For Vandal Proof Grate, Add	*33.00*	
22 14 26 13-0024	EA	Cast Iron Scupper Drain With 3" Outlet, L-Shaped Bronze Grate	1,457.40	89.79
		For Galvanized Cast Iron Parts, Add	*128.00*	
		For Vandal Proof Grate, Add	*33.00*	
22 14 26 13-0025	EA	Cast Iron Scupper Drain With 4" Outlet, L-Shaped Bronze Grate	1,473.73	97.98
		For Galvanized Cast Iron Parts, Add	*128.00*	
		For Galvanized Iron Parts, Add	*258.00*	
		For Vandal Proof Grate, Add	*33.00*	
22 14 26 13-0026	EA	Cast Iron Scupper Drain With 5" Outlet, L-Shaped Bronze Grate	2,075.38	129.89
		For Galvanized Iron Parts, Add	*258.00*	
		For Vandal Proof Grate, Add	*33.00*	
22 14 26 13-0027	EA	Cast Iron Scupper Drain With 6" Outlet, L-Shaped Bronze Grate	2,132.68	158.56
		For Galvanized Iron Parts, Add	*258.00*	
		For Vandal Proof Grate, Add	*33.00*	
22 14 26 13-0028		**Cast Iron Roof Drain With Flat Cast Iron Grate** *(22 14 26 13-0001)*		
		Note: Grate free area is 27 square inches.		
22 14 26 13-0029	EA	9" x 9" Cast Iron Roof Drain With 2" Outlet, Cast Iron Promenade Top	1,099.17	179.69
		For Galvanized Iron Parts, Add	*144.00*	
		For Deck Clamp Assembly, Add	*80.40*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*93.60*	
22 14 26 13-0030	EA	9" x 9" Cast Iron Roof Drain With 3" Outlet, Cast Iron Promenade Top	1,189.00	215.58
		For Galvanized Iron Parts, Add	*144.00*	
		For Deck Clamp Assembly, Add	*80.40*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*93.60*	
22 14 26 13-0031	EA	9" x 9" Cast Iron Roof Drain With 4" Outlet, Cast Iron Promenade Top	1,278.82	269.48
		For Galvanized Iron Parts, Add	*144.00*	
		For Deck Clamp Assembly, Add	*80.40*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*93.60*	
22 14 26 13-0032		**Cast Iron Roof Drains With Large Cast Iron Dome** *(22 14 26 13-0001)*		
22 14 26 13-0033	EA	15" Diameter Cast Iron Roof Drain With 2" Outlet, Cast Iron Dome	1,186.98	179.69
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0034	EA	15" Diameter Cast Iron Roof Drain With 3" Outlet, Cast Iron Dome	1,276.81	215.58
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0035	EA	15" Diameter Cast Iron Roof Drain With 4" Outlet, Cast Iron Dome	1,366.63	269.48
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0036	EA	15" Diameter Cast Iron Roof Drain With 5" Outlet, Cast Iron Dome	1,775.81	323.37
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0037	EA	15" Diameter Cast Iron Roof Drain With 6" Outlet, Cast Iron Dome	1,820.72	359.27
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0038	EA	15" Diameter Cast Iron Roof Drain With 8" Outlet, Cast Iron Dome	2,128.97	377.27
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0039	EA	15" Diameter Cast Iron Roof Drain With 10" Outlet, Cast Iron Dome	2,840.88	390.74
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0040		**Aluminum Roof Drains** *(22 14 26 13)*		
22 14 26 13-0041		**Aluminum Dome Roof Drains** *(22 14 26 13-0040)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0042	EA	15" Diameter Roof Drain With 2" Outlet, Aluminum Dome	1,219.92	179.69
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0043	EA	15" Diameter Roof Drain With 3" Outlet, Aluminum Dome	1,309.75	215.58
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0044	EA	15" Diameter Roof Drain With 4" Outlet, Aluminum Dome	1,399.57	269.48
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0045	EA	15" Diameter Roof Drain With 6" Outlet, Aluminum Dome	1,853.65	358.94
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0046	EA	15" Diameter Roof Drain With 8" Outlet, Aluminum Dome	2,162.12	377.27
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0047	EA	15" Diameter Roof Drain With 10" Outlet, Aluminum Dome	2,873.81	390.74
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0048		Retrofit Roof Drains *(22 14 26 13)*		
22 14 26 13-0049		Retrofit Copolymer Roof Drains With Copolymer Strainer Dome *(22 14 26 13-0048)*		
22 14 26 13-0050	EA	Copolymer Retrofit 3" Roof Drains, With Copolymer Dome	852.09	215.58
22 14 26 13-0051	EA	Copolymer Retrofit 4" Roof Drains, With Copolymer Dome	957.41	269.48
22 14 26 13-0052	EA	Copolymer Retrofit 5" Roof Drains, With Copolymer Dome	1,154.14	323.37
22 14 26 13-0053	EA	Copolymer Retrofit 6" Roof Drains, With Copolymer Dome	1,261.05	358.94
22 14 26 13-0054		Retrofit Copolymer Roof Drains With Cast Aluminum Strainer Dome *(22 14 26 13-0048)*		
22 14 26 13-0055	EA	Copolymer Retrofit Drain, 3", With Cast Aluminum Dome	991.58	215.58
22 14 26 13-0056	EA	Copolymer Retrofit Drain, 4", With Cast Aluminum Dome	1,090.70	269.48
22 14 26 13-0057	EA	Copolymer Retrofit Drain, 5", With Cast Aluminum Dome	1,296.73	323.37
22 14 26 13-0058	EA	Copolymer Retrofit Drain, 6", With Cast Aluminum Dome	1,360.24	358.94
22 14 26 13-0059		Retrofit Roof Aluminum Drains With Cast Aluminum Strainer Dome *(22 14 26 13-0048)*		
22 14 26 13-0060	EA	Aluminum Retrofit 3" Roof Drains, With Cast Aluminum Dome	858.29	215.58
		For Copolymer Strainer Dome, Deduct	*-24.00*	
22 14 26 13-0061	EA	Aluminum Retrofit 4" Roof Drains, With Cast Aluminum Dome	963.61	269.48
		For Copolymer Strainer Dome, Deduct	*-24.00*	
22 14 26 13-0062	EA	Aluminum Retrofit 5" Roof Drains, With Cast Aluminum Dome	1,160.34	323.37
		For Copolymer Strainer Dome, Deduct	*-24.00*	
22 14 26 13-0063	EA	Aluminum Retrofit 6" Roof Drains, With Cast Aluminum Dome	1,217.65	358.94
		For Copolymer Strainer Dome, Deduct	*-24.00*	
22 14 26 13-0064		Bronze Downspout Nozzles *(22 14 26 13)*		
22 14 26 13-0065	EA	2" Outlet, Bronze Roof Drain Downspout Nozzle	518.80	107.79
22 14 26 13-0066	EA	3" Outlet, Bronze Roof Drain Downspout Nozzle	518.80	107.79
22 14 26 13-0067	EA	4" Outlet, Bronze Roof Drain Downspout Nozzle	518.80	107.79
22 14 26 13-0068	EA	5" Outlet, Bronze Roof Drain Downspout Nozzle	815.41	134.74
22 14 26 13-0069	EA	6" Outlet, Bronze Roof Drain Downspout Nozzle	815.41	134.74
22 14 26 13-0070	EA	8" Outlet, Bronze Roof Drain Downspout Nozzle	1,069.58	134.74
22 14 26 16		**Facility Area Drains** *(22 14 26)*		
22 14 26 16-0001		Area Drain *(22 14 26 16)*		
22 14 26 16-0002	EA	12" x 12" Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,202.63	129.78
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0003	EA	12" x 12" Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,230.61	143.79
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 16-0004	EA	12" x 12" Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,260.06	158.56
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0005	EA	12" x 12" Floor Drain With 6" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,290.73	173.87
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0006	EA	12" x 12" Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	1,953.99	129.78
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0007	EA	12" x 12" Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	1,981.97	143.79
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0008	EA	12" x 12" Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,011.42	158.56
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0009	EA	12" x 12" Floor Drain With 6" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,042.09	173.87
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0010	EA	12" x 12" Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,986.68	129.78
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0011	EA	12" x 12" Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,014.66	143.79
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0012	EA	12" x 12" Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,044.11	158.56
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0013	EA	12" x 12" Floor Drain With 6" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,074.78	173.87
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0014	EA	16" x 16" Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,502.80	129.78
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0015	EA	16" x 16" Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,530.78	143.79
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0016	EA	16" x 16" Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,560.23	158.56
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0017	EA	16" x 16" Floor Drain With 6" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,590.90	173.87
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0018	EA	16" x 16" Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,152.80	129.78
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 16-0019	EA	16" x 16" Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,180.78	143.79
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0020	EA	16" x 16" Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,210.23	158.56
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0021	EA	16" x 16" Floor Drain With 6" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,240.90	173.87
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0022	EA	16" x 16" Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,162.27	129.78
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0023	EA	16" x 16" Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,190.25	143.79
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0024	EA	16" x 16" Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,219.70	158.56
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0025	EA	16" x 16" Floor Drain With 6" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,250.37	173.87
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0026	EA	9" Diameter Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,403.04	129.78
		For Vandal Proof Grate, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
22 14 26 16-0027	EA	9" Diameter Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,431.02	143.79
		For Vandal Proof Grate, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
22 14 26 16-0028	EA	9" Diameter Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,460.47	158.56
		For Vandal Proof Grate, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
22 14 26 16-0029	EA	9" Diameter Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	832.71	129.78
		For Vandal Proof Grate, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
22 14 26 16-0030	EA	9" Diameter Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	860.69	143.79
		For Vandal Proof Grate, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
22 14 26 16-0031	EA	9" Diameter Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	890.14	158.56
		For Vandal Proof Grate, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
22 14 26 16-0032	EA	9" Diameter Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,319.98	129.78
		For Vandal Proof Grate, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
22 14 26 16-0033	EA	9" Diameter Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,347.96	143.79
		For Vandal Proof Grate, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
22 14 26 16-0034	EA	9" Diameter Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,377.41	158.56
		For Vandal Proof Grate, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
22 14 26 16-0035	EA	12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Nikaloy Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	4,318.38	129.78
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	
22 14 26 16-0036	EA	12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Nikaloy Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	4,346.36	143.79
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	
22 14 26 16-0037	EA	12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Nikaloy Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	4,375.81	158.56
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 16-0038	EA	12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Cast Iron Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	2,792.88	129.78
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	
22 14 26 16-0039	EA	12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Cast Iron Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	2,820.86	143.79
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	
22 14 26 16-0040	EA	12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Cast Iron Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	2,850.31	158.56
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	
22 14 26 16-0041	EA	12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Bronze Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	4,052.59	129.78
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	
22 14 26 16-0042	EA	12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Bronze Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	4,080.57	143.79
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	
22 14 26 16-0043	EA	12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Bronze Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	4,110.02	158.56
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	

22 14 26 19 Facility Trench Drains *(22 14 26)*

22 14 26 19-0001 Trench Drain *(22 14 26 19)*

Note: Each section is 39.4" in length.

22 14 26 19-0002	EA	6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,149.29	129.78
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0003	EA	6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,177.27	143.79
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0004	EA	6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,206.72	158.56
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0005	EA	6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	689.81	129.78
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0006	EA	6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	717.79	143.79
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0007	EA	6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	747.24	158.56
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0008	EA	6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,086.68	129.78
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0009	EA	6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,114.66	143.79
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0010	EA	6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,144.11	158.56
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0011	EA	6" Wide Trench Drain x 15" Extension Section, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,018.95	64.68
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 19-0012	EA	6" Wide Trench Drain x 15" Extension Section, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	559.47	64.68
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0013	EA	6" Wide Trench Drain x 15" Extension Section, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	956.34	64.68
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0014	EA	12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,837.00	129.78
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0015	EA	12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,864.98	143.79
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0016	EA	12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,894.43	158.56
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0017	EA	12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,268.45	129.78
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0018	EA	12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,296.43	143.79
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0019	EA	12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,325.88	158.56
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0020	EA	12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,759.24	129.78
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0021	EA	12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,787.22	143.79
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0022	EA	12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,816.67	158.56
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 19-0023	EA	12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Galvanized Top And Body, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,534.04	129.78
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0024	EA	12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Galvanized Top And Body, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,562.02	143.79
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0025	EA	12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Galvanized Top And Body, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,591.47	158.56
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0026	EA	12" Wide Trench Drain x 15" Extension Section, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,706.64	64.68
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
22 14 26 19-0027	EA	12" Wide Trench Drain x 15" Extension Section, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,138.09	64.68
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
22 14 26 19-0028	EA	12" Wide Trench Drain x 15" Extension Section, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,628.88	64.68
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
22 14 26 19-0029	EA	12" Wide Trench Drain x 15" Extension Section, Galvanized Top And Body, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,403.68	64.68
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	

22 14 29 Sump Pumps *(22 14)*

See CSI section 22 11 16 00-0000 for pipe extensions into well.

22 14 29 13 Wet-Pit-Mounted, Vertical Sump Pumps *(22 14 29)*

22 14 29 13-0001 Vertical Mounted Sump Pumps *(22 14 29 13)*

Note: Supplied with 1750 RPM premium efficient motor with drip cover, float switch assembly, steel support mounting plate and 5' column sections.

22 14 29 13-0002	EA	1 HP Vertical Mounted Cast Iron Sump Pump, 1-1/2" Discharge, Single Stage, 25 GPM 40' Head	6,620.95	312.76
		For Explosion Proof Motor, Add	*326.86*	
22 14 29 13-0003	EA	1-1/2 HP Vertical Mounted Cast Iron Sump Pump, 2" Discharge, Single Stage, 75 GPM 40' Head	6,981.99	378.55
		For Explosion Proof Motor, Add	*363.37*	
22 14 29 13-0004	EA	2 HP Vertical Mounted Cast Iron Sump Pump, 2-1/2" Discharge, Single Stage, 100 GPM 40' Head	7,969.41	449.73
		For Explosion Proof Motor, Add	*469.42*	
22 14 29 13-0005	EA	3 HP Vertical Mounted Cast Iron Sump Pump, 3" Discharge, Single Stage, 150 GPM 40' Head	8,473.88	553.26
		For Explosion Proof Motor, Add	*532.01*	
22 14 29 13-0006	EA	5 HP Vertical Mounted Cast Iron Sump Pump, 3" Discharge, Single Stage, 200 GPM 40' Head	8,942.00	599.64
		For Explosion Proof Motor, Add	*777.15*	
22 14 29 13-0007	EA	10 HP Vertical Mounted Cast Iron Sump Pump, 4" Discharge, Single Stage, 300 GPM 70' Head	10,600.50	719.35
		For Explosion Proof Motor, Add	*881.47*	
22 14 29 13-0008	EA	15 HP Vertical Mounted Cast Iron Sump Pump, 5" Discharge, Single Stage, 500 GPM 70' Head	12,439.48	744.96
		For Explosion Proof Motor, Add	*1,444.78*	
22 14 29 13-0009	EA	20 HP Vertical Mounted Cast Iron Sump Pump, 6" Discharge, Single Stage, 800 GPM 70' Head	15,092.30	936.94
		For Explosion Proof Motor, Add	*1,917.68*	
22 14 29 13-0010	EA	30 HP Vertical Mounted Cast Iron Sump Pump, 6" Discharge, Single Stage, 1,000 GPM 70' Head	16,268.99	1,092.70
		For Explosion Proof Motor, Add	*2,486.20*	
22 14 29 13-0011	EA	50 HP Vertical Mounted Cast Iron Sump Pump, 8" Discharge, Single Stage, 1,600 GPM 70' Head	21,895.73	1,311.71
		For Explosion Proof Motor, Add	*3,239.01*	
22 14 29 13-0012	EA	60 HP Vertical Mounted Cast Iron Sump Pump, 8" Discharge, Single Stage, 2,000 GPM 70' Head	30,463.58	1,456.93
		For Explosion Proof Motor, Add	*5,134.09*	

22 14 29 13-0013 Extra Column Assemblies *(22 14 29 13)*

22 14 29 13-0014	EA	1-1/2" Diameter x 5' Long Extra Column Assembly	1,058.97
22 14 29 13-0015	EA	2" Diameter x 5' Long Extra Column Assembly	1,158.76
22 14 29 13-0016	EA	2-1/2" Diameter x 5' Long Extra Column Assembly	1,267.95
22 14 29 13-0017	EA	3" Diameter x 5' Long Extra Column Assembly	1,522.43
22 14 29 13-0018	EA	4" Diameter x 5' Long Extra Column Assembly	1,701.67
22 14 29 13-0019	EA	5" Diameter x 5' Long Extra Column Assembly	1,732.65
22 14 29 13-0020	EA	6" Diameter x 5' Long Extra Column Assembly	1,945.08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 29 13-0021	EA	8" Diameter x 5' Long Extra Column Assembly	2,128.37	
22 14 29 13-0022		**Support Plate** *(22 14 29 13)*		
22 14 29 13-0023	EA	24" Steel Support Plate, Round Or Square	936.65	43.11
22 14 29 13-0024	EA	30" Steel Support Plate, Round Or Square	1,036.77	48.50
22 14 29 13-0025	EA	36" Steel Support Plate, Round Or Square	1,439.87	64.68
22 14 29 13-0026	EA	40" Steel Support Plate, Round Or Square	2,098.08	75.46
22 14 29 13-0027	EA	42" Steel Support Plate, Round Or Square	2,250.64	78.15
22 14 29 13-0028	EA	48" Steel Support Plate, Round Or Square	2,407.60	80.85
22 14 29 13-0029	EA	54" Steel Support Plate, Round Or Square	3,069.85	97.01
22 14 29 13-0030	EA	60" Steel Support Plate, Round Or Square	4,169.67	107.79
22 14 29 13-0031	EA	72" Steel Support Plate, Round Or Square	5,570.56	134.74
22 14 29 13-0032	EA	84" Steel Support Plate, Round Or Square	6,732.51	148.21
22 14 29 16		**Submersible Sump Pumps** *(22 14 29)*		
22 14 29 16-0001		Submersible Sump/Effluent Pumps *(22 14 29 16)*		
22 14 29 16-0002		Wet Pit Submersible Pumps, (KSB) Series KRT K *(22 14 29 16-0001)* Note: Includes 33' (10m) of cord with pump.		
22 14 29 16-0003		4 Pole / 1,750 RPM *(22 14 29 16-0002)*		
22 14 29 16-0004	EA	To 10 HP, 600 GPM At 32' Head, Wet Pit Submersible Pump	8,401.53	370.60
22 14 29 16-0005	EA	11-20 HP, 900 GPM At 60' Head, Wet Pit Submersible Pump	9,905.58	617.67
22 14 29 16-0006	EA	21-36 HP, 1,000 GPM At 105' Head, Wet Pit Submersible Pump	16,942.01	864.74
22 14 29 16-0007	EA	51-83 HP, 2,500GPM At 115' Head, Wet Pit Submersible Pump	40,653.33	1,111.81
22 14 29 16-0008	EA	83-110 HP, 2,600 GPM At 140' Head, Wet Pit Submersible Pump	44,095.70	1,358.87
22 14 29 16-0009	EA	83-110 HP, 3,000 GPM At 100' Head, Wet Pit Submersible Pump	47,843.92	1,358.87
22 14 29 16-0010	EA	83-110 HP, 3,500 GPM At 80' Head, Wet Pit Submersible Pump	48,749.47	1,358.87
22 14 29 16-0011	EA	110-160 HP, 3,000 GPM At 180' Head, Wet Pit Submersible Pump	56,747.78	1,605.95
22 14 29 16-0012	EA	110-160 HP, 3,500 GPM At 140' Head, Wet Pit Submersible Pump	58,353.65	1,605.95
22 14 29 16-0013	EA	110-160 HP, 4,500 GPM At 110' Head, Wet Pit Submersible Pump	60,366.38	1,605.95
22 14 29 16-0014	EA	160-210 HP, 3,800 GPM At 150' Head, Wet Pit Submersible Pump	64,209.44	1,853.01
22 14 29 16-0015	EA	160-210 HP, 5,000 GPM At 130' Head, Wet Pit Submersible Pump	68,494.16	1,853.01
22 14 29 16-0016		6 Pole / 1160 RPM *(22 14 29 16-0002)*		
22 14 29 16-0017	EA	To 10 HP, 1,100 GPM At 26' Head, Wet Pit Submersible Pump	11,663.67	370.60
22 14 29 16-0018	EA	To 10 HP, 1,800 GPM At 16' Head, Wet Pit Submersible Pump	12,628.63	370.60
22 14 29 16-0019	EA	11-24 HP, 1,400 GPM At 47' Head, Wet Pit Submersible Pump	16,447.88	617.67
22 14 29 16-0020	EA	11-24 HP, 2,400 GPM At 30' Head, Wet Pit Submersible Pump	17,918.72	617.67
22 14 29 16-0021	EA	21-50 HP, 2,100 GPM At 75' Head, Wet Pit Submersible Pump	25,907.50	864.74
22 14 29 16-0022	EA	21-50 HP, 2,400 GPM At 60' Head, Wet Pit Submersible Pump	27,468.36	864.74
22 14 29 16-0023	EA	21-50 HP, 3,200 GPM At 50' Head, Wet Pit Submersible Pump	33,195.11	864.74
22 14 29 16-0024	EA	21-50 HP, 5,000 GPM At 29' Head, Wet Pit Submersible Pump	39,629.39	864.74
22 14 29 16-0025	EA	51-80 HP, 2,800 GPM At 80' Head, Wet Pit Submersible Pump	40,385.09	1,111.81
22 14 29 16-0026	EA	51-80 HP, 4,000 GPM At 60' Head, Wet Pit Submersible Pump	46,162.25	1,111.81
22 14 29 16-0027	EA	51-80 HP, 5,500 GPM At 43' Head, Wet Pit Submersible Pump	46,529.51	1,111.81
22 14 29 16-0028	EA	76-112 HP, 2,200 GPM At 105' Head, Wet Pit Submersible Pump	54,641.85	1,358.87
22 14 29 16-0029	EA	76-112 HP, 4,100 GPM At 70' Head, Wet Pit Submersible Pump	58,782.54	1,358.87
22 14 29 16-0030	EA	76-112 HP, 6,500 GPM At 50' Head, Wet Pit Submersible Pump	67,776.84	1,358.87
22 14 29 16-0031	EA	112-143 HP, 2,500 GPM At 120' Head, Wet Pit Submersible Pump	73,893.84	1,605.95
22 14 29 16-0032	EA	112-143 HP, 6,500 GPM At 65' Head, Wet Pit Submersible Pump	74,432.13	1,605.95
22 14 29 16-0033	EA	155-200 HP, 3,000 GPM At 150' Head, Wet Pit Submersible Pump	91,628.01	1,853.01
22 14 29 16-0034	EA	155-200 HP, 6,000 GPM At 110' Head, Wet Pit Submersible Pump	101,545.86	1,853.01
22 14 29 16-0035	EA	201-280 HP, 6,500 GPM At 130' Head, Wet Pit Submersible Pump	111,420.04	2,100.08
22 14 29 16-0036	EA	281-450 HP, 12,000 GPM At 110' Head, Wet Pit Submersible Pump	159,549.49	2,347.15
22 14 29 16-0037		8 Pole / 875 RPM *(22 14 29 16-0002)*		
22 14 29 16-0038	EA	To 20 HP, 2,300 GPM At 25' Head, Wet Pit Submersible Pump	11,228.81	617.67
22 14 29 16-0039	EA	21-30 HP, 2,500 GPM At 31' Head, Wet Pit Submersible Pump	12,887.73	864.74
22 14 29 16-0040	EA	31-50 HP, 4,700 GPM At 29' Head, Wet Pit Submersible Pump	18,468.24	1,111.81
22 14 29 16-0041	EA	51-117 HP, 6,500 GPM At 45' Head, Wet Pit Submersible Pump	35,353.44	1,358.87
22 14 29 16-0042	EA	118-175 HP, 9,000 GPM At 60' Head, Wet Pit Submersible Pump	44,705.57	1,605.95
22 14 29 16-0043	EA	176-210 HP, 14,000 GPM At 50' Head, Wet Pit Submersible Pump	60,949.10	1,853.01
22 14 29 16-0044	EA	211-250 HP, 14,000 GPM At 60' Head, Wet Pit Submersible Pump	65,064.11	2,100.08
22 14 29 16-0045		10 Pole / 700 RPM *(22 14 29 16-0002)*		
22 14 29 16-0046	EA	To 55 HP, 6,500 GPM At 25' Head Wet Pit Submersible Pump	30,653.09	864.74
22 14 29 16-0047	EA	56-76 HP, 7,000 GPM At 36' Head Wet Pit Submersible Pump	34,859.97	1,111.81
22 14 29 16-0048	EA	76-117 HP, 10,000 GPM At 30' Head Wet Pit Submersible Pump	52,389.68	1,358.87
22 14 29 16-0049	EA	118-150 HP, 11,500 GPM At 40' Head Wet Pit Submersible Pump	61,738.21	1,605.95
22 14 29 16-0050		Dry Pit Submersible Pumps, (KSB) Series KRT K-D *(22 14 29 16-0001)* Note: Includes 33' (10m) of cord with pump.		
22 14 29 16-0051		4 Pole / 1,750 RPM *(22 14 29 16-0050)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 29 16-0052	EA	To 35 HP, 800 GPM At 90' Head Dry Pit Submersible Pump	26,753.64	864.74
22 14 29 16-0053	EA	To 35 HP, 1,700 GPM At 50' Head Dry Pit Submersible Pump	29,544.11	864.74
22 14 29 16-0054	EA	36-50 HP, 1,300 GPM At 80' Head Dry Pit Submersible Pump	30,579.26	988.27
22 14 29 16-0055	EA	36-50 HP, 2,000 GPM At 66' Head Dry Pit Submersible Pump	35,400.46	988.27
22 14 29 16-0056	EA	51-75 HP, 1,600 GPM At 110' Head Dry Pit Submersible Pump	52,811.41	1,111.81
22 14 29 16-0057	EA	51-75 HP, 2,400 GPM At 80' Head Dry Pit Submersible Pump	53,790.77	1,111.81
22 14 29 16-0058	EA	76-110 HP, 1,900 GPM At 125' Head Dry Pit Submersible Pump	58,082.23	1,358.87
22 14 29 16-0059	EA	76-110 HP, 2,600 GPM At 110' Head Dry Pit Submersible Pump	58,312.66	1,358.87
22 14 29 16-0060	EA	110-150 HP, 3,000 GPM At 160' Head Dry Pit Submersible Pump	82,601.89	1,605.95
22 14 29 16-0061	EA	110-150 HP, 4,000 GPM At 100' Head Dry Pit Submersible Pump	95,666.67	1,605.95
22 14 29 16-0062		**6 Pole / 1160 RPM** *(22 14 29 16-0050)*		
22 14 29 16-0063	EA	To 35 HP, 1,300 GPM At 55' Head Dry Pit Submersible Pump	33,407.55	864.74
22 14 29 16-0064	EA	To 35 HP, 1,800 GPM At 45' Head Dry Pit Submersible Pump	36,622.88	864.74
22 14 29 16-0065	EA	To 35 HP, 2,800 GPM At 35' Head Dry Pit Submersible Pump	45,228.32	864.74
22 14 29 16-0066	EA	36-50 HP, 2,000 GPM At 55' Head Dry Pit Submersible Pump	49,271.77	988.27
22 14 29 16-0067	EA	36-50 HP, 3,200 GPM At 50' Head Dry Pit Submersible Pump	56,519.78	988.27
22 14 29 16-0068	EA	51-75 HP, 2,500 GPM At 88' Head Dry Pit Submersible Pump	62,169.37	1,111.81
22 14 29 16-0069	EA	51-75 HP, 5,500 GPM At 45' Head Dry Pit Submersible Pump	75,966.87	1,111.81
22 14 29 16-0070	EA	76-112 HP, 3,100 GPM At 100' Head Dry Pit Submersible Pump	85,686.23	1,358.87
22 14 29 16-0071	EA	76-112 HP, 8,400 GPM At 55' Head Dry Pit Submersible Pump	94,340.27	1,358.87
22 14 29 16-0072	EA	112-154 HP, 3,300 GPM At 130' Head Dry Pit Submersible Pump	115,403.36	1,605.95
22 14 29 16-0073	EA	112-154 HP, 5,000 GPM At 80' Head Dry Pit Submersible Pump	139,556.18	1,605.95
22 14 29 16-0074	EA	154-200 HP, 3,700 GPM At 140' Head Dry Pit Submersible Pump	144,189.57	1,853.01
22 14 29 16-0075	EA	154-200 HP, 5,700 GPM At 100' Head Dry Pit Submersible Pump	148,330.26	1,853.01
22 14 29 16-0076	EA	201-300 HP, 6,500 GPM At 130' Head Dry Pit Submersible Pump	218,226.44	2,100.08
22 14 29 16-0077		**8 Pole / 875 RPM** *(22 14 29 16-0050)*		
22 14 29 16-0078	EA	To 35 HP, 2,000 GPM At 45' Head, Dry Pit Submersible Pump	47,844.15	864.74
22 14 29 16-0079	EA	To 35 HP, 2,400 GPM At 32' Head, Dry Pit Submersible Pump	60,289.63	864.74
22 14 29 16-0080	EA	36-50 HP, 4,600 GPM At 30' Head, Dry Pit Submersible Pump	67,580.82	988.27
22 14 29 16-0081	EA	51-75 HP, 4,250 GPM At 51' Head, Dry Pit Submersible Pump	84,005.21	1,111.81
22 14 29 16-0082	EA	76-110 HP, 4,600 GPM At 70' Head, Dry Pit Submersible Pump	106,215.05	1,358.87
22 14 29 16-0083	EA	76-110 HP, 8,500 GPM At 40' Head, Dry Pit Submersible Pump	113,301.03	1,358.87
22 14 29 16-0084	EA	110-154 HP, 5,000 GPM At 75' Head, Dry Pit Submersible Pump	124,926.94	1,605.95
22 14 29 16-0085	EA	110-154 HP, 9,000 GPM At 55' Head, Dry Pit Submersible Pump	139,619.19	1,605.95
22 14 29 16-0086	EA	110-154 HP, 12,000 GPM At 32' Head, Dry Pit Submersible Pump	181,719.21	1,605.95
22 14 29 16-0087	EA	154-214 HP, 13,000 GPM At 50' Head, Dry Pit Submersible Pump	238,474.88	1,853.01
22 14 29 16-0088	EA	215-244 HP, 14,000 GPM At 55' Head, Dry Pit Submersible Pump	258,752.99	2,100.08
22 14 29 16-0089		**10 Pole / 700 RPM** *(22 14 29 16-0050)*		
22 14 29 16-0090	EA	To 55 HP, 3,600 GPM At 40' Head Dry Pit Submersible Pump	101,856.73	988.27
22 14 29 16-0091	EA	To 55 HP, 6,250 GPM At 28' Head Dry Pit Submersible Pump	108,708.68	988.27
22 14 29 16-0092	EA	56-75 HP, 4,000 GPM At 47' Head Dry Pit Submersible Pump	113,709.26	1,111.81
22 14 29 16-0093	EA	55-82 HP, 9,000 GPM At 37' Head Dry Pit Submersible Pump	118,462.95	1,111.81
22 14 29 16-0094	EA	76-110 HP, 10,500 GPM At 30' Head Dry Pit Submersible Pump	178,018.21	1,358.87
22 14 29 16-0095	EA	110-154 HP, 11,500 GPM At 40' Head Dry Pit Submersible Pump	195,919.97	1,605.95
22 14 29 16-0096	EA	154-214 HP, 13,000 GPM At 55' Head Dry Pit Submersible Pump	252,288.58	1,853.01
22 14 29 16-0097		**Submersible Sump Pump, Ebara** *(22 14 29 16-0001)*		
22 14 29 16-0098		**Submersible Sump Pump, 2", 3", 4" Ebara Model DSU** *(22 14 29 16-0097)*		
22 14 29 16-0099	EA	3 HP Submersible Sump Pump, 2" Discharge, 3 Phase, Ebara 50DSU62.2	3,613.92	258.69
		For 20' Stainless Steel Chain, Add	*284.75*	
		For Guide Rail System, Add	*274.55*	
22 14 29 16-0100	EA	5 HP Submersible Sump Pump, 2" Discharge, 3 Phase, Ebara 50DSU63.7	4,114.53	344.93
		For 20' Stainless Steel Chain, Add	*284.75*	
		For Guide Rail System, Add	*274.55*	
22 14 29 16-0101	EA	3 HP Submersible Sump Pump, 3" Discharge, 3 Phase, Ebara 80DSU62.2	3,815.96	258.69
		For 20' Stainless Steel Chain, Add	*284.75*	
		For Guide Rail System, Add	*381.65*	
22 14 29 16-0102	EA	5 HP Submersible Sump Pump, 3" Discharge, 3 Phase, Ebara 80DSU63.7	4,206.27	344.93
		For 20' Stainless Steel Chain, Add	*284.75*	
		For Guide Rail System, Add	*381.65*	
22 14 29 16-0103	EA	7.5 HP Submersible Sump Pump, 4" Discharge, 3 Phase, Ebara 100DSU65.5	5,634.06	431.16
		For 20' Stainless Steel Chain, Add	*423.30*	
		For Guide Rail System, Add	*754.80*	
22 14 29 16-0104	EA	10 HP Submersible Sump Pump, 4" Discharge, 3 Phase, Ebara 100DSU67.5	6,331.25	517.40
		For 20' Stainless Steel Chain, Add	*423.30*	
		For Guide Rail System, Add	*754.80*	
22 14 29 16-0105		**Submersible Sump Pump, 2", 3", Ebara Model DSHU, Rated 176 Degrees F** *(22 14 29 16-0097)*		
22 14 29 16-0106	EA	1/2 HP Submersible Sump Pump, 2" Discharge, 3 Phase, Ebara 50DSHU6.4	1,610.17	86.23
		For 20' Stainless Steel Chain, Add	*284.75*	
		For Guide Rail System, Add	*220.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 29 16-0107	EA	1 HP Submersible Sump Pump, 2" Discharge, 3 Phase, Ebara 50DSHU6.75	1,791.13	129.35
		For 20' Stainless Steel Chain, Add	*284.75*	
		For Guide Rail System, Add	*220.15*	
22 14 29 16-0108	EA	2 HP Submersible Sump Pump, 2" Discharge, 3 Phase, Ebara 50DSHU61.5	2,653.22	215.58
		For 20' Stainless Steel Chain, Add	*284.75*	
		For Guide Rail System, Add	*220.15*	
22 14 29 16-0109	EA	3 HP Submersible Sump Pump, 2" Discharge, 3 Phase, Ebara 50DSHU62.2	4,359.81	258.69
		For 20' Stainless Steel Chain, Add	*284.75*	
		For Guide Rail System, Add	*274.55*	
22 14 29 16-0110	EA	5 HP Submersible Sump Pump, 2" Discharge, 3 Phase, Ebara 50DSHU63.7	4,656.21	344.93
		For 20' Stainless Steel Chain, Add	*284.75*	
		For Guide Rail System, Add	*274.55*	
22 14 29 16-0111	EA	3 HP Submersible Sump Pump, 3" Discharge, 3 Phase, Ebara 80DSHU62.2	4,686.34	258.69
		For 20' Stainless Steel Chain, Add	*284.75*	
		For Guide Rail System, Add	*381.65*	
22 14 29 16-0112	EA	5 HP Submersible Sump Pump, 3" Discharge, 3 Phase, Ebara 80DSHU63.5	5,084.30	344.93
		For 20' Stainless Steel Chain, Add	*284.75*	
		For Guide Rail System, Add	*381.65*	

22 14 29 16-0113 Submersible Sump Pump With Vortex Impeller *(22 14 29 16)*

22 14 29 16-0114 Submersible Sump Pump With Cast Iron Vortex Impeller *(22 14 29 16-0113)*

22 14 29 16-0115	EA	1/3 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	551.76	70.24
22 14 29 16-0116	EA	1/3 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	615.88	70.24
22 14 29 16-0117	EA	1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	989.79	74.33
22 14 29 16-0118	EA	1/2 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,091.26	74.33

22 14 29 16-0119 Submersible Sump Pump With Bronze Vortex Impeller *(22 14 29 16-0113)*

Note: Includes 20' of cord with pump.

22 14 29 16-0120	EA	1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	1,697.27	74.33
22 14 29 16-0121	EA	1/2 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	1,850.18	74.33
22 14 29 16-0122	EA	1 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	1,941.23	81.93
22 14 29 16-0123	EA	1 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	2,104.71	81.93
22 14 29 16-0124	EA	1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	2,160.97	93.64
22 14 29 16-0125	EA	1-1/2 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	2,321.63	93.64
22 14 29 16-0126	EA	2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	2,316.32	111.20
22 14 29 16-0127	EA	2 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	2,455.84	111.20

22 14 29 16-0128 Submersible Sump Pump With Semi-Open Impeller *(22 14 29 16)*

Note: Includes 20' of cord with pump.

22 14 29 16-0129	EA	1/3 HP Manual Submersible Sump Pump, 115 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,195.92	70.24
22 14 29 16-0130	EA	1/3 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,234.87	70.24
22 14 29 16-0131	EA	1/2 HP Manual Submersible Sump Pump, 115 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,542.36	74.33
22 14 29 16-0132	EA	1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,569.73	74.33
22 14 29 16-0133	EA	3/4 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,883.52	78.43
22 14 29 16-0134	EA	3/4 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,883.52	78.43
22 14 29 16-0135	EA	1 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,992.06	81.93
22 14 29 16-0136	EA	1 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,992.06	81.93
22 14 29 16-0137	EA	1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,273.48	93.64
22 14 29 16-0138	EA	1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,273.48	93.64
22 14 29 16-0139	EA	2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,644.51	111.20
22 14 29 16-0140	EA	2 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,597.14	111.20

22 14 29 19 Sump-Pump Basins and Pits *(22 14 29)*

See CSI section 22 13 29 33-0000 for basins and pits.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 15 General Service Compressed-Air Systems *(22 10)*

22 15 13 General Service Compressed-Air Piping *(22 15)*

See CSI section 22 11 16 00-0013 for threaded galvanized steel pipe, 23 21 13 23-0001 for threaded black steel pipe.

22 15 13 00-0001 Aluminum Pipe And Fittings For Compressed Air *(22 15 13)*

22 15 13 00-0002 Aluminum (6063) Pipe (FastPipe) *(22 15 13 00-0001)*

Note: For compressed air system

22 15 13 00-0003	LF	3/4" Blue Rigid Aluminum Pipe Note: For compresed air system	8.12	2.35
22 15 13 00-0004	LF	1" Blue Rigid Aluminum Pipe Note: For compresed air system	9.96	2.58
22 15 13 00-0005	LF	1-1/2" Blue Rigid Aluminum Pipe Note: For compresed air system	13.38	3.28
22 15 13 00-0006	LF	2" Blue Rigid Aluminum Pipe Note: For compresed air system	16.16	3.75
22 15 13 00-0007	LF	3" Blue Rigid Aluminum Pipe Note: For compresed air system	26.51	5.15

22 15 13 00-0008 Compression Fittings (FastPipe) *(22 15 13 00-0001)*

Note: For compressed air system

22 15 13 00-0009 Compression Union *(22 15 13 00-0008)*

22 15 13 00-0010	EA	3/4" FastPipe Compression Union Note: For compresed air system	22.87	3.28
22 15 13 00-0011	EA	1" FastPipe Compression Union Note: For compresed air system	34.41	4.68
22 15 13 00-0012	EA	1-1/2" FastPipe Compression Union Note: For compresed air system	53.71	6.55
22 15 13 00-0013	EA	2" FastPipe Compression Union Note: For compresed air system	67.24	8.43
22 15 13 00-0014	EA	3" FastPipe Compression Union Note: For compresed air system	128.29	13.11

22 15 13 00-0015 Compression 90 Degree Elbow *(22 15 13 00-0008)*

22 15 13 00-0016	EA	3/4" FastPipe Compression 90 Degree Elbow Note: For compresed air system	24.21	3.28
22 15 13 00-0017	EA	1" FastPipe Compression 90 Degree Elbow Note: For compresed air system	35.81	4.68
22 15 13 00-0018	EA	1-1/2" FastPipe Compression 90 Degree Elbow Note: For compresed air system	55.19	6.55
22 15 13 00-0019	EA	2" FastPipe Compression 90 Degree Elbow Note: For compresed air system	75.64	8.43
22 15 13 00-0020	EA	3" FastPipe Compression 90 Degree Elbow Note: For compresed air system	146.15	13.11

22 15 13 00-0021 Compression 45 Degree Elbow *(22 15 13 00-0008)*

22 15 13 00-0022	EA	1" FastPipe Compression 45 Degree Elbow Note: For compresed air system	36.11	4.68
22 15 13 00-0023	EA	1-1/2" FastPipe Compression 45 Degree Elbow Note: For compresed air system	61.65	6.55
22 15 13 00-0024	EA	2" FastPipe Compression 45 Degree Elbow Note: For compresed air system	81.71	8.43

22 15 13 00-0025 Compression Tee *(22 15 13 00-0008)*

22 15 13 00-0026	EA	3/4" FastPipe Compression Tee Note: For compresed air system	32.60	4.91
22 15 13 00-0027	EA	1" FastPipe Compression Tee Note: For compresed air system	46.16	7.03
22 15 13 00-0028	EA	1-1/2" FastPipe Compression Tee Note: For compresed air system	85.46	9.84
22 15 13 00-0029	EA	2" FastPipe Compression Tee Note: For compresed air system	106.39	12.65
22 15 13 00-0030	EA	3" FastPipe Compression Tee Note: For compresed air system	202.43	19.66

22 15 13 00-0031 Compression Reducing Tee *(22 15 13 00-0008)*

22 15 13 00-0032	EA	1" x 3/4" FastPipe Compression Reducing Tee Note: For compresed air system	44.31	6.32
22 15 13 00-0033	EA	1-1/2" x 3/4" FastPipe Compression Reducing Tee Note: For compresed air system	76.63	8.20
22 15 13 00-0034	EA	1-1/2" x 1" FastPipe Compression Reducing Tee Note: For compresed air system	79.93	8.90
22 15 13 00-0035	EA	2" x 3/4" FastPipe Compression Reducing Tee Note: For compresed air system	96.91	10.07
22 15 13 00-0036	EA	2" x 1" FastPipe Compression Reducing Tee Note: For compresed air system	99.86	10.77

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0037		**Compression Reducing Union** *(22 15 13 00-0008)*		
22 15 13 00-0038	EA	1" x 3/4" FastPipe Compression Reducing Union Note: For compresed air system	33.25	3.98
22 15 13 00-0039	EA	1-1/2" x 3/4" FastPipe Compression Reducing Union Note: For compresed air system	48.77	4.91
22 15 13 00-0040	EA	1-1/2" x 1" FastPipe Compression Reducing Union Note: For compresed air system	49.71	5.62
22 15 13 00-0041	EA	2" x 3/4" FastPipe Compression Reducing Union Note: For compresed air system	61.87	5.85
22 15 13 00-0042	EA	2" x 1" FastPipe Compression Reducing Union Note: For compresed air system	64.11	6.55
22 15 13 00-0043	EA	2" x 1-1/2" FastPipe Compression Reducing Union Note: For compresed air system	68.03	7.49
22 15 13 00-0044		**Compression x NPT 90 Degree Reducing Elbow** *(22 15 13 00-0008)*		
22 15 13 00-0045	EA	3/4" x 1/4" NPT FastPipe Compression 90 Degree Reducing Elbow Note: For compresed air system	48.96	6.79
22 15 13 00-0046	EA	3/4" x 1/2" NPT FastPipe Compression 90 Degree Reducing Elbow Note: For compresed air system	52.12	7.72
22 15 13 00-0047	EA	1" x 1/4" NPT FastPipe Compression 90 Degree Reducing Elbow Note: For compresed air system	57.64	7.49
22 15 13 00-0048	EA	1" x 1/2" NPT FastPipe Compression 90 Degree Reducing Elbow Note: For compresed air system	59.49	8.43
22 15 13 00-0049	EA	1" x 3/4" NPT FastPipe Compression 90 Degree Reducing Elbow Note: For compresed air system	61.83	9.36
22 15 13 00-0050		**Compression x NPT Reducing Tee** *(22 15 13 00-0008)*		
22 15 13 00-0051	EA	3/4" x 1/4" NPT FastPipe Compression Reducing Tee Note: For compresed air system	56.62	8.43
22 15 13 00-0052	EA	3/4" x 1/2" NPT FastPipe Compression Reducing Tee Note: For compresed air system	58.85	9.36
22 15 13 00-0053	EA	1" x 1/4" NPT FastPipe Compression Reducing Tee Note: For compresed air system	67.27	9.84
22 15 13 00-0054	EA	1" x 1/2" NPT FastPipe Compression Reducing Tee Note: For compresed air system	69.28	10.77
22 15 13 00-0055	EA	1" x 3/4" NPT FastPipe Compression Reducing Tee Note: For compresed air system	71.84	11.71
22 15 13 00-0056	EA	1-1/2" x 1/2" NPT FastPipe Compression Reducing Tee Note: For compresed air system	96.40	12.65
22 15 13 00-0057	EA	1-1/2" x 3/4" NPT FastPipe Compression Reducing Tee Note: For compresed air system	98.75	13.58
22 15 13 00-0058	EA	2" x 1/2" NPT FastPipe Compression Reducing Tee Note: For compresed air system	107.65	14.52
22 15 13 00-0059	EA	2" x 3/4" NPT FastPipe Compression Reducing Tee Note: For compresed air system	109.99	15.45
22 15 13 00-0060		**Compression Inline Valve** *(22 15 13 00-0008)*		
22 15 13 00-0061	EA	3/4" FastPipe Compression Inline Valve Note: For compresed air system	73.67	3.28
22 15 13 00-0062	EA	1" FastPipe Compression Inline Valve Note: For compresed air system	94.60	4.68
22 15 13 00-0063	EA	1-1/2" FastPipe Compression Inline Valve Note: For compresed air system	195.93	6.55
22 15 13 00-0064	EA	2" FastPipe Compression Inline Valve Note: For compresed air system	283.19	8.43
22 15 13 00-0065	EA	3" FastPipe Compression Inline Valve Note: For compresed air system	456.94	13.11
22 15 13 00-0066		**Compression Single Port Wall Outlet** *(22 15 13 00-0008)*		
22 15 13 00-0067	EA	3/4" Inlet x 1/2" Female NPT Outlet Compression Single Port Wall Outlet Note: Includes wall block, drain valve, 1/2" brass plug, spacer plate and threaded male adapted. For compresed air system	64.95	7.72
22 15 13 00-0068	EA	1" Inlet x 1/2" Female NPT Outlet Compression Single Port Wall Outlet Note: Includes wall block, drain valve, 1/2" brass plug, spacer plate and threaded male adapted. For compresed air system	67.24	8.43
22 15 13 00-0069		**NPT Push To Connect Coupler** *(22 15 13 00-0008)*		
22 15 13 00-0070	EA	1/2" Male NPT Push To Connect Coupler Note: For compresed air system	25.68	6.09
22 15 13 00-0071		**Quick Disconnect, Air-Service** *(22 15 13)*		
22 15 13 00-0072		**Combination Steel And Brass** *(22 15 13 00-0071)*		
22 15 13 00-0073	EA	1/2" Combination Steel And Brass Disconnect Valve, Single Seated With Arm Ball And Bracket	56.75	16.39

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0074	EA	3/4" Combination Steel And Brass Disconnect Valve, Single Seated With Arm Ball And Bracket	63.36	19.89
22 15 13 00-0075		**Refrigerated Air Dryers With Ambient Air Filters** *(22 15 13)*		
		Note: 120 Voltage, 1 Phase		
22 15 13 00-0076	EA	3 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	857.91	93.38
22 15 13 00-0077	EA	5 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	984.72	95.98
22 15 13 00-0078	EA	7.5 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,164.98	98.57
22 15 13 00-0079	EA	10 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,313.73	103.75
22 15 13 00-0080	EA	15 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,717.56	116.72
22 15 13 00-0081	EA	20 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,941.88	132.81
22 15 13 00-0082	EA	25 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	2,177.78	150.45
22 15 13 00-0083	EA	30 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	2,562.53	168.60
22 15 13 00-0084	EA	40 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	2,969.90	197.14
22 15 13 00-0085	EA	50 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	3,350.68	210.62
22 15 13 00-0086	EA	60 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	3,942.27	233.44
22 15 13 00-0087	EA	75 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	4,538.05	259.38
		For 230 Voltage, Add	*1,205.78*	
22 15 13 00-0088	EA	85 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	4,903.35	285.33
		For 230 Voltage, Add	*1,299.81*	
22 15 13 00-0089	EA	100 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	5,277.68	316.45
		For 230 Voltage, Add	*1,393.84*	
22 15 13 00-0090	EA	125 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	5,707.71	337.21
		For 230 Voltage, Add	*1,509.99*	
22 15 13 00-0091	EA	175 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	6,037.85	350.18
		For 230 Voltage, Add	*1,601.25*	
22 15 13 00-0092	EA	200 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	10,543.98	363.15
		For 230 Voltage, Add	*2,945.31*	
22 15 13 00-0093	EA	250 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	11,335.06	376.12
		For 230 Voltage, Add	*3,174.85*	
22 15 13 00-0094	EA	300 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	12,104.02	389.08
		For 230 Voltage, Add	*3,397.76*	
22 15 13 00-0095	EA	400 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	14,395.99	415.02
		For 230 Voltage, Add	*4,069.78*	
22 15 13 00-0096	EA	500 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	16,312.60	518.78
		For 230 Voltage, Add	*4,582.52*	
22 15 13 00-0097	EA	600 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	23,240.40	622.53
		For 230 Voltage, Add	*6,598.60*	
22 15 13 00-0098	EA	800 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	31,597.08	726.28
		For 230 Voltage, Add	*9,043.35*	
22 15 13 00-0099	EA	1,000 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	35,372.13	830.05
		For 230 Voltage, Add	*10,113.62*	
22 15 13 00-0100	EA	Cycling Refrigerant Dryer (Ingersoll Rand D127NC 115/1/60)	5,250.61	
22 15 13 00-0101		**Oil And Water Separator For Air Compressor** *(22 15 13)*		
22 15 13 00-0102	EA	0-60 SCFM Oil/Water Separator	783.00	37.47
22 15 13 00-0103	EA	85 SCFM Oil/Water Separator	1,050.24	43.91
22 15 13 00-0104	EA	190 SCFM Oil/Water Separator	1,227.87	49.77
22 15 13 00-0105	EA	245 SCFM Oil/Water Separator	1,542.28	58.55
22 15 13 00-0106	EA	320 SCFM Oil/Water Separator	1,833.05	70.26
22 15 13 00-0107	EA	700 SCFM Oil/Water Separator	3,694.39	146.38
22 15 13 00-0108		**Heavy-Duty Industrial Pressure Regulator** *(22 15 13)*		
22 15 13 00-0109	EA	3/8" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	130.47	31.12
22 15 13 00-0110	EA	1/2" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	182.57	41.50
22 15 13 00-0111	EA	3/4" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	315.41	51.88
22 15 13 00-0112	EA	1" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	393.10	77.82
22 15 13 00-0113	EA	1-1/4" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	552.78	90.78
22 15 13 00-0114	EA	1-1/2" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	578.72	103.75
22 15 13 00-0115		**Combination Air System; Filter Regulator Lubricator** *(22 15 13)*		
22 15 13 00-0116	EA	3/8" Filter Regulator Lubricator, Max 150 PSI Input, 150 CFM, 40 Micron Filter	500.17	93.38
22 15 13 00-0117	EA	1/2" Filter Regulator Lubricator, Max 150 PSI Input, 150 CFM, 40 Micron Filter	617.74	124.51
22 15 13 00-0118		**Heatless Desiccant Air Dryers** *(22 15 13)*		
22 15 13 00-0119	EA	5 SCFM Heatless Desiccant Air Dryer	3,031.04	93.38
22 15 13 00-0120	EA	10 SCFM Heatless Desiccant Air Dryer	3,646.01	103.75
22 15 13 00-0121	EA	15 SCFM Heatless Desiccant Air Dryer	3,679.67	114.13
22 15 13 00-0122	EA	20 SCFM Heatless Desiccant Air Dryer	4,203.12	129.69
22 15 13 00-0123	EA	30 SCFM Heatless Desiccant Air Dryer	5,794.43	155.63
22 15 13 00-0124	EA	50 SCFM Heatless Desiccant Air Dryer	5,711.97	207.51
22 15 13 00-0125	EA	85 SCFM Heatless Desiccant Air Dryer	7,676.02	259.38
22 15 13 00-0126	EA	100 SCFM Heatless Desiccant Air Dryer	8,138.93	311.27
22 15 13 00-0127	EA	125 SCFM Heatless Desiccant Air Dryer	9,316.45	363.15
22 15 13 00-0128	EA	175 SCFM Heatless Desiccant Air Dryer	10,698.45	415.02
22 15 13 00-0129	EA	200 SCFM Heatless Desiccant Air Dryer	11,492.67	466.90
22 15 13 00-0130	EA	300 SCFM Heatless Desiccant Air Dryer	14,063.29	518.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0131	EA	400 SCFM Heatless Desiccant Air Dryer	15,613.01	622.53
22 15 13 00-0132	EA	500 SCFM Heatless Desiccant Air Dryer	18,044.04	726.28
22 15 13 00-0133	EA	600 SCFM Heatless Desiccant Air Dryer	20,821.65	830.05
22 15 13 00-0134		**Air-Cooled Aftercoolers** *(22 15 13)*		
22 15 13 00-0135	EA	20 SCFM Air-Cooled Aftercooler	756.58	64.85
22 15 13 00-0136	EA	35 SCFM Air-Cooled Aftercooler	1,024.01	77.82
22 15 13 00-0137	EA	43 SCFM Air-Cooled Aftercooler	1,123.70	90.78
22 15 13 00-0138	EA	70 SCFM Air-Cooled Aftercooler	1,374.57	103.75
22 15 13 00-0139	EA	125 SCFM Air-Cooled Aftercooler	1,920.43	116.72
22 15 13 00-0140	EA	185 SCFM Air-Cooled Aftercooler	2,156.55	129.69
22 15 13 00-0141	EA	260 SCFM Air-Cooled Aftercooler	4,194.84	155.63
22 15 13 00-0142	EA	365 SCFM Air-Cooled Aftercooler	4,381.68	181.57
22 15 13 00-0143	EA	560 SCFM Air-Cooled Aftercooler	4,567.03	207.51
22 15 13 00-0144	EA	650 SCFM Air-Cooled Aftercooler	5,357.87	233.44
22 15 13 00-0145	EA	750 SCFM Air-Cooled Aftercooler	5,856.66	259.38
22 15 13 00-0146	EA	900 SCFM Air-Cooled Aftercooler	6,718.28	285.33
22 15 13 00-0147	EA	1,100 SCFM Air-Cooled Aftercooler	8,635.99	311.27
22 15 13 00-0148	EA	1,460 SCFM Air-Cooled Aftercooler	9,881.85	337.21
22 15 13 00-0149	EA	1,800 SCFM Air-Cooled Aftercooler	10,201.05	363.15
22 15 13 00-0150	EA	2,500 SCFM Air-Cooled Aftercooler	10,938.80	389.08
22 15 13 00-0151		**Compressed Air Coalescing Filters** *(22 15 13)*		
22 15 13 00-0152		**1.0 Micron Filter Rated Compressed Air Coalescing Filters** *(22 15 13 00-0151)*		
22 15 13 00-0153	EA	10 SCFM, 3/8", Coalescing Filter, 1.0 Micron Filter Rating	260.49	38.06
22 15 13 00-0154	EA	20 SCFM, 3/8", Coalescing Filter, 1.0 Micron Filter Rating	312.11	38.06
22 15 13 00-0155	EA	50 SCFM, 1/2", Coalescing Filter, 1.0 Micron Filter Rating	340.42	43.91
22 15 13 00-0156	EA	75 SCFM, 3/4", Coalescing Filter, 1.0 Micron Filter Rating	392.01	50.35
22 15 13 00-0157	EA	100 SCFM, 3/4", Coalescing Filter, 1.0 Micron Filter Rating	457.87	55.63
22 15 13 00-0158	EA	140 SCFM, 1", Coalescing Filter, 1.0 Micron Filter Rating	518.15	67.33
22 15 13 00-0159	EA	175 SCFM, 1-1/4" Coalescing Filter, 1.0 Micron Filter Rating	540.28	73.18
22 15 13 00-0160	EA	250 SCFM, 1-1/2" Coalescing Filter, 1.0 Micron Filter Rating	677.15	87.83
22 15 13 00-0161	EA	280 SCFM, 2" Coalescing Filter, 1.0 Micron Filter Rating	868.44	117.10
22 15 13 00-0162	EA	350 SCFM, 2" Coalescing Filter, 1.0 Micron Filter Rating	993.59	131.74
22 15 13 00-0163	EA	General Purpose Filter (Ingersoll Rand F144IG)	592.04	
22 15 13 00-0164		**0.01 Micron Filter Rated Compressed Air Coalescing Filters** *(22 15 13 00-0151)*		
22 15 13 00-0165	EA	16 SCFM, 3/8" Coalescing Filter, 0.01 Micron Filter Rating	319.49	38.06
22 15 13 00-0166	EA	30 SCFM, 1/2" Coalescing Filter, 0.01 Micron Filter Rating	345.93	43.91
22 15 13 00-0167	EA	60 SCFM, 3/4" Coalescing Filter, 0.01 Micron Filter Rating	397.18	50.35
22 15 13 00-0168	EA	100 SCFM, 1" Coalescing Filter, 0.01 Micron Filter Rating	468.19	49.77
22 15 13 00-0169	EA	140 SCFM, 1-1/4" Coalescing Filter, 0.01 Micron Filter Rating	529.95	67.33
22 15 13 00-0170	EA	180 SCFM, 1-1/4" Coalescing Filter, 0.01 Micron Filter Rating	601.77	73.18
22 15 13 00-0171	EA	250 SCFM, 1-1/2" Coalescing Filter, 0.01 Micron Filter Rating	690.42	87.83
22 15 13 00-0172	EA	280 SCFM, 2" Coalescing Filter, 0.01 Micron Filter Rating	890.57	117.10
22 15 13 00-0173	EA	350 SCFM, 2" Coalescing Filter, 0.01 Micron Filter Rating	1,023.08	131.74
22 15 13 00-0174	EA	High Efficiency Filter (Ingersoll Rand F144IH)	636.33	
22 15 13 00-0175		**Compressed Air Storage Tanks** *(22 15 13)*		
22 15 13 00-0176		**Horizontal Compressed Air Storage Tanks** *(22 15 13 00-0175)*		
22 15 13 00-0177	EA	12 Gallon Horizontal Compressed Air Storage Tank, ASME	424.13	83.01
22 15 13 00-0178	EA	15 Gallon Horizontal Compressed Air Storage Tank, ASME	742.85	90.78
22 15 13 00-0179	EA	20 Gallon Horizontal Compressed Air Storage Tank, ASME	787.27	95.45
22 15 13 00-0180	EA	30 Gallon Horizontal Compressed Air Storage Tank, ASME	898.94	103.75
22 15 13 00-0181	EA	60 Gallon Horizontal Compressed Air Storage Tank, ASME	1,172.22	140.07
22 15 13 00-0182	EA	80 Gallon Horizontal Compressed Air Storage Tank, ASME	1,418.74	155.63
22 15 13 00-0183	EA	120 Gallon Horizontal Compressed Air Storage Tank, ASME	2,142.06	181.57
22 15 13 00-0184	EA	200 Gallon Horizontal Compressed Air Storage Tank, ASME	3,211.25	207.51
22 15 13 00-0185	EA	240 Gallon Horizontal Compressed Air Storage Tank, ASME	3,583.10	220.48
22 15 13 00-0186	EA	325 Gallon Horizontal Compressed Air Storage Tank, ASME	5,202.69	233.44
22 15 13 00-0187	EA	400 Gallon Horizontal Compressed Air Storage Tank, ASME	6,864.00	272.36
22 15 13 00-0188	EA	660 Gallon Horizontal Compressed Air Storage Tank, ASME	9,892.05	324.24
22 15 13 00-0189		**Vertical Compressed Air Storage Tanks** *(22 15 13 00-0175)*		
22 15 13 00-0190	EA	10 Gallon Vertical Compressed Air Storage Tank, ASME	692.21	83.01
22 15 13 00-0191	EA	15 Gallon Vertical Compressed Air Storage Tank, ASME	725.31	90.78
22 15 13 00-0192	EA	20 Gallon Vertical Compressed Air Storage Tank, ASME	787.27	95.45
22 15 13 00-0193	EA	30 Gallon Vertical Compressed Air Storage Tank, ASME	933.67	103.75
22 15 13 00-0194	EA	60 Gallon Vertical Compressed Air Storage Tank, ASME	1,276.41	140.07
22 15 13 00-0195	EA	80 Gallon Vertical Compressed Air Storage Tank, ASME	1,468.91	155.63
22 15 13 00-0196	EA	120 Gallon Vertical Compressed Air Storage Tank, ASME	2,032.96	181.57
22 15 13 00-0197	EA	200 Gallon Vertical Compressed Air Storage Tank, ASME	2,986.38	207.51
22 15 13 00-0198	EA	240 Gallon Vertical Compressed Air Storage Tank, ASME	3,296.47	220.48
22 15 13 00-0199	EA	325 Gallon Vertical Compressed Air Storage Tank, ASME	4,501.10	233.44

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0200	EA	400 Gallon Vertical Compressed Air Storage Tank, ASME	5,775.14	272.36
22 15 13 00-0201	EA	500 Gallon Vertical Compressed Air Storage Tank, ASME	7,545.94	298.30
22 15 13 00-0202	EA	660 Gallon Vertical Compressed Air Storage Tank, ASME	12,584.07	337.21

22 15 19 General Service Packaged Air Compressors and Receivers *(22 15)*

Note: Includes V-belt drive, receiver, motor, starter mounted and wired. Excludes piping, pressure reducing valve station, or air dryer.

22 15 19 13 General Service Packaged Reciprocating Air Compressors *(22 15 19)*

22 15 19 13-0001 Single Stage Compressor *(22 15 19 13)*

Note: Includes receiver, reciprocating air-cooled, 140 PSIG working pressure, splash lubricated, tank mounted.

22 15 19 13-0002	EA	1/2 HP 1-Stage Air Compressor, 1.5 ACFM Air-Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	3,176.80	368.12
22 15 19 13-0003	EA	3/4 HP 1-Stage Air Compressor, 2.0 ACFM Air-Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	3,313.62	424.88
22 15 19 13-0004	EA	1 HP 1-Stage Air Compressor, 2.5 ACFM Air-Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	3,779.04	501.77
22 15 19 13-0005	EA	2 HP 1-Stage Air Compressor, Air-Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	4,307.80	553.64
22 15 19 13-0006	EA	3 HP 1-Stage Air Compressor, Air-Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	5,282.07	584.76
22 15 19 13-0007	EA	3 HP 1-Stage Air Compressor, Air-Cooled With 60 Gallon Receiver, 140 PSIG Working Pressure	5,646.33	605.52
22 15 19 13-0008	EA	5 HP 1-Stage Air Compressor, Air-Cooled With 60 Gallon Receiver, 140 PSIG Working Pressure	6,338.89	692.04
22 15 19 13-0009	EA	5 HP 1-Stage Air Compressor, Air-Cooled With 80 Gallon Receiver, 140 PSIG Working Pressure	6,800.29	733.55
22 15 19 13-0010	EA	7.5 HP 1-Stage Air Compressor, Air-Cooled With 80 Gallon Receiver, 140 PSIG Working Pressure	8,165.96	830.46

22 15 19 13-0011 Two Stage Compressor *(22 15 19 13)*

Note: With receiver, reciprocating air-cooled, discharge pressure 80-200 PSIG, receiver capacity as noted, splash lubricated, tank mounted.

22 15 19 13-0012	EA	1-1/2 HP 2-Stage Air Compressor, 60 Gallon Receiver, 5.0 ACFM, 80-200 PSIG Discharge Pressure	6,082.00	647.02
22 15 19 13-0013	EA	2 HP 2-Stage Air Compressor, 60 Gallon Receiver, 7.0 ACFM, 80-200 PSIG Discharge Pressure	6,520.12	761.25
22 15 19 13-0014	EA	3 HP 2-Stage Air Compressor, 60 Gallon Receiver, 12 ACFM, 80-200 PSIG Discharge Pressure	6,810.47	830.46
22 15 19 13-0015	EA	5 HP 2-Stage Air Compressor, 80 Gallon Receiver, 15 ACFM, 80-200 PSIG Discharge Pressure	7,754.43	1,107.27
22 15 19 13-0016	EA	5 HP 2-Stage Air Compressor, 120 Gallon Receiver, 16.5 ACFM, 80-200 PSI Max Discharge Pressure	8,371.87	1,107.27
22 15 19 13-0017	EA	7.5 HP 2-Stage Air Compressor, 80 Gallon Receiver, 19.8 ACFM, 80-200 PSIG Discharge Pressure	8,961.69	1,384.10
22 15 19 13-0018	EA	7.5 HP 2-Stage Air Compressor, 120 Gallon Receiver, 25.6 ACFM, 80-200 PSI Max Discharge Pressure	9,521.69	1,384.10
22 15 19 13-0019	EA	10 HP 2-Stage Air Compressor, 80 Gallon Receiver, 35.0 ACFM, 80-200 PSI Max Discharge Pressure	12,214.41	1,711.96
22 15 19 13-0020	EA	10 HP 2-Stage Air Compressor, 120 Gallon Receiver, 38 ACFM, 80-200 PSIG Discharge Pressure	13,096.50	1,763.84
22 15 19 13-0021	EA	15 HP 2-Stage Air Compressor, 120 Gallon Receiver, 50 ACFM, 80-200 PSIG Discharge Pressure	14,149.88	2,061.41
22 15 19 13-0022	EA	20 HP 2-Stage Air Compressor, 120 Gallon Receiver, 70 ACFM, 80-200 PSIG Discharge Pressure	21,438.62	2,333.46
22 15 19 13-0023	EA	25 HP 2-Stage Air Compressor, 120 Gallon Receiver, 84.4 ACFM, 175 PSI Max Discharge Pressure	23,011.35	2,636.73
22 15 19 13-0024	EA	30 HP 2-Stage Air Compressor, 120 Gallon Receiver, 97.2 ACFM, 175 PSI Max Discharge Pressure	25,652.58	2,914.17
22 15 19 13-0025	EA	30 HP 2-Stage Air Compressor, 250 Gallon Receiver, 101 ACFM, 175 PSI Max Discharge Pressure	27,903.75	3,193.80

22 15 19 19 General Service Packaged Rotary-Screw Air Compressors *(22 15 19)*

22 15 19 19-0001 Rotary Screw Air Compressor, Base Mounted Without Receiver *(22 15 19 19)*

Note: Oil flooded.

22 15 19 19-0002	EA	3 HP, 8.5 SCFM, Rotary Screw Air Compressor With Enclosure, 150 PSIG Max Discharge Pressure, Lubricated	10,416.93	934.47
22 15 19 19-0003	EA	5 HP, 16.6 SCFM, Rotary Screw Air Compressor With Enclosure, 150 PSIG Max Discharge Pressure, Lubricated	11,588.94	1,245.96
22 15 19 19-0004	EA	7.5 HP, 27 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	14,865.96	1,562.14
22 15 19 19-0005	EA	10 HP, 37 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	17,156.68	1,990.74
22 15 19 19-0006	EA	15 HP, 56 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	19,626.71	2,342.04
22 15 19 19-0007	EA	20 HP, 79 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	23,848.56	2,634.80
22 15 19 19-0008	EA	25 HP, 114 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	26,126.20	2,927.56
22 15 19 19-0009	EA	30 HP, 137 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	31,473.81	3,278.86
22 15 19 19-0010	EA	40 HP, 183 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	34,613.60	3,513.06
22 15 19 19-0011	EA	50 HP, 214 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	38,883.25	3,785.92
22 15 19 19-0012	EA	60 HP, 256 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	50,714.33	4,098.58
22 15 19 19-0013	EA	75 HP, 320 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	56,309.51	4,332.78
22 15 19 19-0014	EA	100 HP, 494 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated	90,790.90	4,684.09
22 15 19 19-0015	EA	125 HP, 592 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated	113,414.41	5,064.66
22 15 19 19-0016	EA	150 HP, 695 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated	131,825.34	5,451.10
22 15 19 19-0017	EA	220 HP, 996 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated	171,758.28	5,855.11
22 15 19 19-0018	EA	250 HP, 1,000 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	195,219.59	6,229.84

22 15 19 19-0019 Rotary Screw Air Compressor, Base Mounted With Receiver *(22 15 19 19)*

Note: Includes receiver, motor, starter mounted and wired. Excludes piping, pressure reducing valve station, or air dryer.

22 15 19 19-0020	EA	5 HP, 18.5 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 150 PSIG Max Discharge Pressure, Lubricated	12,987.51	1,245.96
22 15 19 19-0021	EA	5 HP, 18.5 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 150 PSIG Max Discharge Pressure, Lubricated	13,814.58	1,245.96
22 15 19 19-0022	EA	7.5 HP, 28 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	15,523.60	1,562.14
22 15 19 19-0023	EA	7.5 HP, 28 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	16,428.22	1,562.14

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 19 19-0024	EA	10 HP, 38 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	17,518.52	1,990.74
22 15 19 19-0025	EA	10 HP, 38 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	18,474.83	1,990.74
22 15 19 19-0026	EA	15 HP, 55 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	19,925.38	2,342.04
22 15 19 19-0027	EA	15 HP, 55 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	20,959.22	2,342.04
22 15 19 19-0028	EA	20 HP, 75 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	34,738.43	2,634.80
22 15 19 19-0029	EA	25 HP, 102 SCFM, 120 gallon receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	37,403.75	2,927.56
22 15 19 19-0030	EA	30 HP, 125 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	39,810.65	3,278.86
22 15 19 19-0031	EA	120 Gallon Tank Mounted Rotary Screw Compressor With Warranty (Ingersoll Rand UP6-10-125 230/3/60) Note: Includes, 230V open drip proof motor, 120 gallon tank, pre-filter, 230 volt starter, hourmeter, electronic drain valve, ultra coolant	15,707.96	
22 15 19 19-0032		Air Compressor Controller *(22 15 19 19)*		
22 15 19 19-0033	EA	System Controller (Ingersoll Rand X41)	5,503.26	
22 15 19 19-0034	EA	Commission X4I System Controller And Compressor Start up	3,727.58	

22 30 Plumbing Equipment *(22)*

22 31 Domestic Water Softeners *(22 30)*

22 31 16 Commercial Domestic Water Softeners *(22 31)*

22 31 16 00-0001		Commercial Water Softeners (Watts Pure Water) *(22 31 16)*		
22 31 16 00-0002		Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0001)*		
22 31 16 00-0003		1" Pipe Connection, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0002)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0004	EA	30,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111A11)	5,268.71	296.43
22 31 16 00-0005	EA	45,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111B11)	5,507.16	309.89
22 31 16 00-0006	EA	60,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111C11)	5,950.29	323.37
22 31 16 00-0007	EA	90,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111D11)	6,868.75	336.85
22 31 16 00-0008	EA	120,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111E11)	7,325.53	350.32
22 31 16 00-0009		1-1/2" Pipe Connection, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0002)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0010	EA	60,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121C11)	7,958.45	323.37
22 31 16 00-0011	EA	90,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121D11)	8,372.03	336.85
22 31 16 00-0012	EA	120,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121E11)	8,831.08	350.32
22 31 16 00-0013	EA	150,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121F11)	10,522.78	363.79
22 31 16 00-0014	EA	210,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121G11)	11,711.87	377.27
22 31 16 00-0015	EA	300,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121H11)	14,297.35	390.74
22 31 16 00-0016		2" Pipe Connection, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0002)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0017	EA	90,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131D11)	12,170.02	336.85
22 31 16 00-0018	EA	120,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131E11)	12,613.16	350.32
22 31 16 00-0019	EA	150,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131F11)	14,309.41	363.79
22 31 16 00-0020	EA	210,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131G11)	15,498.49	377.27
22 31 16 00-0021	EA	300,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131H11)	18,224.98	390.74
22 31 16 00-0022	EA	450,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131I11)	24,099.02	404.22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 31 16 00-0023	EA	600,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131J11)	28,221.90	417.68
22 31 16 00-0024		3" Pipe Connection, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0002)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0025	EA	300,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151H11)	29,650.81	390.74
22 31 16 00-0026	EA	450,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151I11)	34,280.84	404.22
22 31 16 00-0027	EA	600,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151J11)	38,349.13	417.68
22 31 16 00-0028	EA	900,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151K11)	48,335.01	431.16
22 31 16 00-0029	EA	1050,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151L11)	53,538.17	444.64
22 31 16 00-0030		Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0001)*		
22 31 16 00-0031		2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0030)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and two fully automatic metered demand control valves.		
22 31 16 00-0032	EA	90,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131D21)	20,000.53	505.27
22 31 16 00-0033	EA	120,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131E21)	20,889.24	525.48
22 31 16 00-0034	EA	150,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131F21)	23,815.69	545.69
22 31 16 00-0035	EA	210,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131G21)	26,055.32	565.90
22 31 16 00-0036	EA	300,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131H21)	31,863.23	586.11
22 31 16 00-0037	EA	450,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131I21)	42,306.07	606.32
22 31 16 00-0038	EA	600,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131J21)	49,842.42	626.54
22 31 16 00-0039		3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0030)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and two fully automatic metered demand control valves.		
22 31 16 00-0040	EA	300,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151H21)	54,523.86	586.11
22 31 16 00-0041	EA	450,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151I21)	62,674.26	606.32
22 31 16 00-0042	EA	600,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151J21)	70,463.05	626.54
22 31 16 00-0043	EA	900,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151K21)	89,741.35	646.74
22 31 16 00-0044	EA	1,050,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151L21)	100,227.40	666.96
22 31 16 00-0045		Twin Alternating, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0001)*		
22 31 16 00-0046		1" Pipe Connection, Twin Alternating, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0045)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0047	EA	30,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161A21)	6,897.85	444.64
22 31 16 00-0048	EA	45,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161B21)	7,361.27	464.85
22 31 16 00-0049	EA	60,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161C21)	8,040.75	485.06
22 31 16 00-0050	EA	90,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161D21)	9,691.35	505.27
22 31 16 00-0051	EA	120,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21)	10,736.99	525.48
22 31 16 00-0052		1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0045)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0053	EA	60,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161A21)	13,710.46	485.06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 31 16 00-0054	EA	90,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161B21)	14,460.45	505.27
22 31 16 00-0055	EA	120,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161C21)	15,574.32	525.48
22 31 16 00-0056	EA	150,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161D21)	17,857.15	545.69
22 31 16 00-0057	EA	210,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21)	20,174.11	565.90
22 31 16 00-0058	EA	300,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21)	25,324.77	586.11

22 32 Domestic Water Filtration Equipment *(22 30)*

22 32 16 Domestic-Water Freestanding Cartridge Filters *(22 32)*

22 32 16 00-0001 Commercial Water Filters Housings *(22 32 16)*

22 32 16 00-0002 Commercial Multi-Cartridge Stainless Steel Water Filter Housings *(22 32 16 00-0001)*

22 32 16 00-0003 Commercial Multi-Cartridge Stainless Steel Water Filter Housings *(22 32 16 00-0002)*

22 32 16 00-0004	EA	25 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X1)	2,711.70	190.29
22 32 16 00-0005	EA	30 GPM Max Flow Rate, 5 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS5X1)	2,761.43	204.93
22 32 16 00-0006	EA	60 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X2)	2,938.54	219.56
22 32 16 00-0007	EA	90 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X3)	3,256.63	234.21
22 32 16 00-0008	EA	120 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X4)	3,351.86	248.84
22 32 16 00-0009	EA	150 GPM Max Flow Rate, 5 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS5X4)	4,077.06	263.48
22 32 16 00-0010	EA	250 GPM Max Flow Rate, 12 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS12X3)	11,625.00	278.12
22 32 16 00-0011	EA	300 GPM Max Flow Rate, 12 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS12X4)	13,535.09	292.76
22 32 16 00-0012	EA	500 GPM Max Flow Rate, 22 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS22X3)	17,207.71	307.39
22 32 16 00-0013	EA	600 GPM Max Flow Rate, 22 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS22X4)	19,095.05	322.03

22 32 16 00-0014 Commercial Water Filter Cartridges *(22 32 16 00-0002)*

22 32 16 00-0015 (Depth) Water Filter Cartridges *(22 32 16 00-0014)*

22 32 16 00-0016	EA	50 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M50)	13.21	2.35
22 32 16 00-0017	EA	20 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M20)	13.21	2.35
22 32 16 00-0018	EA	10 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M10)	13.21	2.35
22 32 16 00-0019	EA	5 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M5)	10.93	2.35
22 32 16 00-0020	EA	1 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M1)	13.78	2.35
22 32 16 00-0021	EA	50 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M50)	13.78	2.35
22 32 16 00-0022	EA	20 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M20)	14.91	2.35
22 32 16 00-0023	EA	5 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Big Pure Water PWMB20M5)	18.89	2.35
22 32 16 00-0024	EA	1 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M1)	14.91	2.35
22 32 16 00-0025	EA	50 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M50)	17.76	2.35
22 32 16 00-0026	EA	20 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M20)	17.76	2.35
22 32 16 00-0027	EA	5 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M5)	17.76	2.35
22 32 16 00-0028	EA	1 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M1)	19.46	2.35
22 32 16 00-0029	EA	50 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M50)	25.72	2.35
22 32 16 00-0030	EA	20 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M20)	23.44	2.35
22 32 16 00-0031	EA	5 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M5)	23.44	2.35
22 32 16 00-0032	EA	1 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M1)	25.72	2.35

22 32 16 00-0033 Pleated Water Filter Cartridges *(22 32 16 00-0014)*

22 32 16 00-0034	EA	50 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M50)	24.01	2.35
22 32 16 00-0035	EA	20 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M20)	24.01	2.35
22 32 16 00-0036	EA	5 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M5)	24.58	2.35
22 32 16 00-0037	EA	1 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M1)	26.29	2.35
22 32 16 00-0038	EA	1 Micron Absolute, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M1AB)	39.93	2.35
22 32 16 00-0039	EA	50 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M50)	38.23	2.35
22 32 16 00-0040	EA	20 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M20)	38.23	2.35
22 32 16 00-0041	EA	5 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Big Pure Water PWPL20M5)	38.23	2.35
22 32 16 00-0042	EA	1 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M1)	50.73	2.35
22 32 16 00-0043	EA	1 Micron Absolute, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M1AB)	72.34	2.35
22 32 16 00-0044	EA	50 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M50)	60.40	2.35
22 32 16 00-0045	EA	20 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M20)	84.28	2.35
22 32 16 00-0046	EA	5 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M5)	87.69	2.35
22 32 16 00-0047	EA	1 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M1)	99.06	2.35

22 32 16 00-0048 Commercial Non-Metallic Water Filter Housings *(22 32 16 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 32 16 00-0049		Commercial Non-Metallic Water Filter Housings *(22 32 16 00-0048)*		
22 32 16 00-0050	EA	150 GPM Max Flow Rate, 1 Cartridge, Commercial Non-Metallic Water Filter Housing (Watts Big Bubba® PWWJCHSG)	2,126.36	175.66
22 32 16 00-0051		Commercial Water Filter Cartridges *(22 32 16 00-0048)*		
22 32 16 00-0052		Carbon Water Filter Cartridges *(22 32 16 00-0051)*		
22 32 16 00-0053	EA	Activated 26-1/4" Length, Carbon Water Filter Cartridge (Watts Big Bubba® PWWJCAC5)	713.11	2.35
22 32 16 00-0054		(Depth) Water Filter Cartridges *(22 32 16 00-0051)*		
22 32 16 00-0055	EA	50 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB50)	147.39	2.35
22 32 16 00-0056	EA	20 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB20)	146.25	2.35
22 32 16 00-0057	EA	5 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB5)	146.25	2.35
22 32 16 00-0058	EA	1 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB1)	167.86	2.35
22 32 16 00-0059		Pleated Water Filter Cartridges *(22 32 16 00-0051)*		
22 32 16 00-0060	EA	150 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCM150)	391.30	2.35
22 32 16 00-0061	EA	50 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP50)	367.42	2.35
22 32 16 00-0062	EA	20 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP20)	400.40	2.35
22 32 16 00-0063	EA	5 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP5)	419.73	2.35
22 32 16 00-0064	EA	1 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP1)	447.02	2.35
22 32 16 00-0065	EA	1 Absolute, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP1AB)	484.55	2.35

22 33 Electric Domestic Water Heaters *(22 30)*

22 33 13 Instantaneous Electric Domestic Water Heaters *(22 33)*

22 33 13 13 Flow-Control, Instantaneous Electric Domestic Water Heaters *(22 33 13)*

22 33 13 13-0001		Flow Controlled, Instantaneous, Tankless, Electric Domestic Water Heaters *(22 33 13 13)*		
22 33 13 13-0002	EA	2.4 KW Flow Controlled, Instantaneous, Tankless, Electric Domestic Water Heater (Eemax SP2412)	495.19	58.53
22 33 13 13-0003	EA	3 To 10 KW Flow Controlled, Instantaneous, Tankless, Electric Domestic Water Heater (Eemax EX3012, EX48, EX65, EX75, EX95)	534.62	58.53
22 33 13 13-0004	EA	7.2 KW, 0.75 GPM, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch RP7P)	627.87	58.53

22 33 13 16 Thermostat-Control, Instantaneous Electric Domestic Water Heaters *(22 33 13)*

22 33 13 16-0001		Thermostat Controlled, Instantaneous, Tankless, Electric Domestic Water Heaters *(22 33 13 16)* Note: Temperature rise decreases with increased flow rate.		
22 33 13 16-0002	EA	3 To 10 KW Thermostat-Control, Instantaneous, Tankless, Electric Domestic Water Heater (Eemax EX3012T, EX48T, EX65T, EX75T, EX95T, EX012240T)	708.91	87.79
22 33 13 16-0003	EA	12 KW, 2.0 GPM, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE12)	787.90	117.05
22 33 13 16-0004	EA	17.25 KW, 2.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE115)	1,332.93	204.85
22 33 13 16-0005	EA	26.85 KW, 4.0 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE125)	2,037.70	234.11
22 33 13 16-0006	EA	12 KW, 1.6 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 12 Plus)	1,442.81	117.05
22 33 13 16-0007	EA	14.4 KW, 2.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 15 Plus)	1,969.76	175.59
22 33 13 16-0008	EA	19.2 KW, 2.8 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 20 Plus)	2,165.99	234.11
22 33 13 16-0009	EA	24 KW, 3.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 24 Plus)	2,249.83	234.11
22 33 13 16-0010	EA	28.8 KW, 4.5 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 29 Plus)	2,329.01	234.11
22 33 13 16-0011	EA	36 KW, 4.5 GPM At 55 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 36 Plus)	2,445.46	234.11

22 33 30 Residential, Electric Domestic Water Heaters *(22 33)*

22 33 30 13 Residential, Small-Capacity Electric Domestic Water Heaters *(22 33 30)*

22 33 30 13-0001		Small-Capacity, Electric Domestic Water Heaters (A.O. Smith ProMax) *(22 33 30 13)* Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 13-0002	EA	2 Gallon, Small-Capacity, Electric Domestic Water Heater	983.43	184.36
22 33 30 13-0003	EA	10 Gallon, Small-Capacity, Electric Domestic Water Heater	1,211.77	196.07
22 33 30 13-0004	EA	20 Gallon, Small-Capacity, Electric Domestic Water Heater	1,434.28	204.85

22 33 30 16 Residential, Storage Electric Domestic Water Heaters *(22 33 30)*

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 33 30 16-0001		**Electric Domestic Water Heaters (A.O. Smith ProMax)** *(22 33 30 16)* Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 16-0002	EA	30 Gallon, Electric Domestic Water Heater	1,534.44	204.85
22 33 30 16-0003	EA	40 Gallon, Electric Domestic Water Heater	1,440.86	210.70
22 33 30 16-0004	EA	50 Gallon, Electric Domestic Water Heater	1,416.70	216.56
22 33 30 16-0005	EA	55 Gallon, Electric Domestic Water Heater	1,584.59	219.48
22 33 30 16-0006	EA	66 Gallon, Electric Domestic Water Heater	2,315.52	225.33
22 33 30 16-0007	EA	80 Gallon, Electric Domestic Water Heater	2,358.69	234.11
22 33 30 16-0008	EA	120 Gallon, Electric Domestic Water Heater	3,146.64	248.74
22 33 30 16-0009		**Low-Boy, Electric Domestic Water Heaters (A.O. Smith ProMax)** *(22 33 30 16)* Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 16-0010	EA	30 Gallon, Low-Boy, Electric Domestic Water Heater	1,649.47	204.85
22 33 30 16-0011	EA	40 Gallon, Low-Boy, Electric Domestic Water Heater	1,568.95	210.70
22 33 30 16-0012	EA	50 Gallon, Low-Boy, Electric Domestic Water Heater	1,662.63	216.56
22 33 30 16-0013		**High Efficiency, Electric Domestic Water Heaters (A.O. Smith Conservationist)** *(22 33 30 16)* Note: Includes .95 energy factor glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 16-0014	EA	40 Gallon, High Efficiency, Electric Domestic Water Heater	1,703.32	210.70
22 33 30 16-0015	EA	50 Gallon, High Efficiency, Electric Domestic Water Heater	1,862.45	216.56
22 33 30 16-0016	EA	66 Gallon, High Efficiency, Electric Domestic Water Heater	2,297.45	225.33
22 33 30 16-0017	EA	80 Gallon, High Efficiency, Electric Domestic Water Heater	2,499.46	234.11
22 33 30 16-0018		**Water Heater Accessories** *(22 33 30 16)*		
22 33 30 16-0019	EA	2 Gallon, Expansion Pressure Tank For Water Heaters	131.13	11.71
22 33 30 16-0020	EA	4.4 Gallon, Expansion Pressure Tank For Water Heaters	155.16	11.71
22 33 30 16-0021	EA	7.6 Gallon, Expansion Pressure Tank For Water Heaters	303.64	11.71
22 33 30 16-0022	EA	14 Gallon, Expansion Pressure Tank For Water Heaters	408.14	11.71
22 33 30 16-0023	EA	20" Diameter, 3" Deep, Aluminum Water Heater Drain Pan	77.12	8.78
22 33 30 16-0024	EA	22" Diameter, 2-1/2" Deep, Aluminum Water Heater Drain Pan	84.29	8.78
22 33 30 16-0025	EA	24" Diameter, 3" Deep, Aluminum Water Heater Drain Pan	89.08	8.78
22 33 30 16-0026	EA	26" Diameter, 2-1/2" Deep, Aluminum Water Heater Drain Pan	105.82	8.78
22 33 30 16-0027	EA	22" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan	41.12	8.78
22 33 30 16-0028	EA	24" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan	44.95	8.78
22 33 30 16-0029	EA	26" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan	50.33	8.78
22 33 30 16-0030	EA	28" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan	57.25	8.78
22 33 30 23		**Residential, Collector-To-Tank, Solar-Electric Domestic Water Heaters** *(22 33 30)*		
22 33 30 23-0001		**Solar Electric Domestic Water Heaters (A.O. Smith CIRREX)** *(22 33 30 23)* Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 23-0002	EA	80 Gallon, Solar Electric Domestic Water Heater	3,896.36	234.11
22 33 30 23-0003	EA	120 Gallon, Solar Electric Domestic Water Heater	4,674.61	248.74
22 33 33		**Light-Commercial Electric Domestic Water Heaters** *(22 33)*		
22 33 33 00-0001		**Standard Duty Electric Commercial Water Heaters (A.O. Smith DEL And DEN)** *(22 33 33)* Note: Includes glass lined tank, drain valve, and temperature and pressure relief valve.		
22 33 33 00-0002	EA	Up To 2.5 KW, 6 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-6S)	2,707.27	204.85
22 33 33 00-0003	EA	Up To 6 KW, 10 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-10S)	2,940.76	204.85
22 33 33 00-0004	EA	Up To 6 KW, 20 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-20S)	3,173.47	234.11
22 33 33 00-0005	EA	Up To 12 KW, 30 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-30D)	5,841.85	234.11
22 33 33 00-0006	EA	Up To 12 KW, 40 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-40D)	6,700.13	292.64
22 33 33 00-0007	EA	Up To 12 KW, 50 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-50D)	7,373.09	351.17
22 33 33 00-0008	EA	Up To 12 KW, 80 Gallon, Dual Element Standard Upright Electric Commercial Water Heater (DEN-80D)	8,606.31	526.75
22 33 33 00-0009		**Heavy-Duty Electric Commercial Water Heaters (A.O. Smith DSE)** *(22 33 33)* Note: Includes glass lined tank, ASME tank construction, drain valve, and temperature and pressure relief valve.		
22 33 33 00-0010	EA	3 KW, 5 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-5-3)	10,971.83	204.85
22 33 33 00-0011	EA	3 KW, 10 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-10-3)	11,416.56	204.85
22 33 33 00-0012	EA	6 KW, 10 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-10-6)	11,898.35	204.85
22 33 33 00-0013	EA	3 KW, 20 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-20-3)	11,956.88	234.11
22 33 33 00-0014	EA	6 KW, 20 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-20-6)	12,512.79	234.11
22 33 33 00-0015	EA	9 KW, 20 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-20-9)	13,402.25	234.11
22 33 33 00-0016	EA	12 KW, 20 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-20-12)	13,995.23	234.11
22 33 33 00-0017	EA	15 KW, 20 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-20-15)	14,477.02	234.11
22 33 33 00-0018	EA	18 KW, 20 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-20-18)	14,995.87	234.11
22 33 33 00-0019	EA	6 KW, 30 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-30-6)	13,068.71	234.11
22 33 33 00-0020	EA	9 KW, 30 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-30-9)	13,587.56	234.11

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 33 33 00-0021	EA	12 KW, 30 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-30-12)	14,180.53	234.11
22 33 33 00-0022	EA	15 KW, 30 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-30-15)	14,662.32	234.11
22 33 33 00-0023	EA	18 KW, 30 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-30-18)	15,181.17	234.11
22 33 33 00-0024	EA	24 KW, 30 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-30-24)	18,998.43	234.11
22 33 33 00-0025	EA	9 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-9)	14,186.41	292.64
22 33 33 00-0026	EA	12 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-12)	14,668.20	292.64
22 33 33 00-0027	EA	15 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-15)	15,261.17	292.64
22 33 33 00-0028	EA	18 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-18)	15,780.02	292.64
22 33 33 00-0029	EA	24 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-24)	19,634.35	292.64
22 33 33 00-0030	EA	30 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-30)	21,413.26	292.64
22 33 33 00-0031	EA	36 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-36)	23,155.12	292.64
22 33 33 00-0032	EA	9 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-9)	16,378.86	351.17
22 33 33 00-0033	EA	12 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-12)	16,860.65	351.17
22 33 33 00-0034	EA	15 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-15)	17,342.44	351.17
22 33 33 00-0035	EA	18 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-18)	17,861.30	351.17
22 33 33 00-0036	EA	24 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-24)	21,826.80	351.17
22 33 33 00-0037	EA	30 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-30)	23,605.72	351.17
22 33 33 00-0038	EA	36 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-36)	25,347.58	351.17
22 33 33 00-0039	EA	45 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-45)	28,497.74	351.17
22 33 33 00-0040	EA	54 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-54)	29,906.06	351.17
22 33 33 00-0041	EA	60 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-60)	34,798.08	351.17
22 33 33 00-0042	EA	75 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-75)	41,098.42	351.17
22 33 33 00-0043	EA	90 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-90)	51,697.81	351.17
22 33 33 00-0044	EA	9 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-9)	18,317.78	468.22
22 33 33 00-0045	EA	12 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-12)	18,873.69	468.22
22 33 33 00-0046	EA	15 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-15)	19,392.54	468.22
22 33 33 00-0047	EA	18 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-18)	19,837.27	468.22
22 33 33 00-0048	EA	24 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-24)	23,765.72	468.22
22 33 33 00-0049	EA	30 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-30)	25,544.64	468.22
22 33 33 00-0050	EA	36 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-36)	27,249.43	468.22
22 33 33 00-0051	EA	45 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-45)	30,473.72	468.22
22 33 33 00-0052	EA	54 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-54)	31,844.97	468.22
22 33 33 00-0053	EA	60 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-60)	36,774.06	468.22
22 33 33 00-0054	EA	75 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-75)	43,111.46	468.22
22 33 33 00-0055	EA	90 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-90)	53,673.78	468.22
22 33 33 00-0056	EA	12 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-12)	20,473.17	526.75
22 33 33 00-0057	EA	15 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-15)	20,992.03	526.75
22 33 33 00-0058	EA	18 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-18)	21,436.75	526.75
22 33 33 00-0059	EA	24 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-24)	25,402.26	526.75
22 33 33 00-0060	EA	30 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-30)	26,995.87	526.75
22 33 33 00-0061	EA	36 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-36)	28,848.91	526.75
22 33 33 00-0062	EA	45 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-45)	32,073.20	526.75
22 33 33 00-0063	EA	54 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-54)	33,481.51	526.75
22 33 33 00-0064	EA	60 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-60)	38,114.11	526.75
22 33 33 00-0065	EA	75 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-75)	44,710.94	526.75
22 33 33 00-0066	EA	90 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-90)	55,273.27	526.75
22 33 33 00-0067	EA	15 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-15)	23,036.24	585.28
22 33 33 00-0068	EA	18 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-18)	23,629.21	585.28
22 33 33 00-0069	EA	24 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-24)	27,483.53	585.28
22 33 33 00-0070	EA	30 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-30)	29,262.45	585.28
22 33 33 00-0071	EA	36 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-36)	31,004.31	585.28
22 33 33 00-0072	EA	45 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-45)	34,154.48	585.28
22 33 33 00-0073	EA	54 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-54)	35,599.85	585.28
22 33 33 00-0074	EA	60 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-60)	40,454.81	585.28
22 33 33 00-0075	EA	75 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-75)	46,755.15	585.28
22 33 33 00-0076	EA	90 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-90)	57,391.60	585.28
22 33 33 00-0077	EA	15 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-15)	24,604.55	702.33
22 33 33 00-0078	EA	18 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-18)	25,123.40	702.33
22 33 33 00-0079	EA	24 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-24)	28,977.72	702.33
22 33 33 00-0080	EA	30 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-30)	30,682.52	702.33
22 33 33 00-0081	EA	36 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-36)	32,498.50	702.33
22 33 33 00-0082	EA	45 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-45)	35,648.66	702.33
22 33 33 00-0083	EA	54 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-54)	36,982.85	702.33
22 33 33 00-0084	EA	60 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-60)	41,986.06	702.33
22 33 33 00-0085	EA	75 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-75)	48,323.46	702.33
22 33 33 00-0086	EA	90 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-90)	58,848.72	702.33

22 33 33 00-0087 Water Heater Accessories *(22 33 33)*

22 33 33 00-0088	EA	Up To 80 Gallon Water Heater Strap Note: Includes (4) Straps (4) J-Clips (4) Lag Bolts (2) 3/8" Carraige Bolts (2) 3/8" Hex Nuts	50.11
22 33 33 00-0089	EA	>80 To 120 Gallon Water Heater Strap Note: Includes (4) Straps (4) J-Clips (4) Lag Bolts (2) 3/8" Carraige Bolts (2) 3/8" Hex Nuts	73.59

22 33 33 00-0090 Removal And Reinstallation Of Water Heater *(22 33 33)*

Note: Includes storage and cleaning.

22 33 33 00-0091	EA	Removal And Reinstallation Of Water Heater Electric, Up To 82 Gallon	390.18
22 33 33 00-0092	EA	Removal And Reinstallation Of Water Heater Electric, 83 Gallon To 200 Gallon	1,170.55

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 33 36		**Commercial Domestic Water Electric Booster Heaters** *(22 33)*		
22 33 36 16		**Commercial Storage Electric Domestic Water Heaters** *(22 33 36)*		
22 33 36 16-0001		Commercial Storage Electric Domestic Water Heaters *(22 33 36 16)*		
22 33 36 16-0002	EA	150 Gallon, 15 KW, 480 Voltage, Commercial Electric Water Heater	41,271.67	781.31
22 33 36 16-0003	EA	150 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	43,308.83	781.31
22 33 36 16-0004	EA	150 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	45,346.00	781.31
22 33 36 16-0005	EA	150 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	47,383.16	781.31
22 33 36 16-0006	EA	150 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	51,457.49	781.31
22 33 36 16-0007	EA	150 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	55,531.82	781.31
22 33 36 16-0008	EA	150 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	58,791.29	781.31
22 33 36 16-0009	EA	200 Gallon, 15 KW, 480 Voltage, Commercial Electric Water Heater	43,958.38	918.04
22 33 36 16-0010	EA	200 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	46,011.22	918.04
22 33 36 16-0011	EA	200 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	48,064.06	918.04
22 33 36 16-0012	EA	200 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	50,116.90	918.04
22 33 36 16-0013	EA	200 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	54,222.56	918.04
22 33 36 16-0014	EA	200 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	58,328.23	918.04
22 33 36 16-0015	EA	200 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	61,612.77	918.04
22 33 36 16-0016	EA	200 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	66,539.57	918.04
22 33 36 16-0017	EA	250 Gallon, 15 KW, 480 Voltage, Commercial Electric Water Heater	45,638.32	1,045.01
22 33 36 16-0018	EA	250 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	47,661.55	1,045.01
22 33 36 16-0019	EA	250 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	49,684.79	1,045.01
22 33 36 16-0020	EA	250 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	51,708.02	1,045.01
22 33 36 16-0021	EA	250 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	55,754.50	1,045.01
22 33 36 16-0022	EA	250 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	59,800.97	1,045.01
22 33 36 16-0023	EA	250 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	63,847.44	1,045.01
22 33 36 16-0024	EA	250 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	68,703.21	1,045.01
22 33 36 16-0025	EA	250 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	73,558.97	1,045.01
22 33 36 16-0026	EA	300 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	50,338.59	1,201.26
22 33 36 16-0027	EA	300 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	52,374.78	1,201.26
22 33 36 16-0028	EA	300 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	54,410.96	1,201.26
22 33 36 16-0029	EA	300 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	58,483.33	1,201.26
22 33 36 16-0030	EA	300 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	62,555.70	1,201.26
22 33 36 16-0031	EA	300 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	65,813.60	1,201.26
22 33 36 16-0032	EA	300 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	72,057.90	1,201.26
22 33 36 16-0033	EA	300 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	76,944.75	1,201.26
22 33 36 16-0034	EA	300 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	79,388.17	1,201.26
22 33 36 16-0035	EA	300 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	81,831.59	1,201.26
22 33 36 16-0036	EA	300 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	84,275.02	1,201.26
22 33 36 16-0037	EA	350 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	55,869.06	1,416.12
22 33 36 16-0038	EA	350 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	57,777.18	1,416.12
22 33 36 16-0039	EA	350 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	59,685.29	1,416.12
22 33 36 16-0040	EA	350 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	63,501.53	1,416.12
22 33 36 16-0041	EA	350 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	67,317.77	1,416.12
22 33 36 16-0042	EA	350 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	70,370.76	1,416.12
22 33 36 16-0043	EA	350 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	74,950.24	1,416.12
22 33 36 16-0044	EA	350 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	79,529.73	1,416.12
22 33 36 16-0045	EA	350 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	81,819.47	1,416.12
22 33 36 16-0046	EA	350 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	84,109.21	1,416.12
22 33 36 16-0047	EA	350 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	86,398.95	1,416.12
22 33 36 16-0048	EA	350 Gallon, 297 KW, 480 Voltage, Commercial Electric Water Heater	89,833.57	1,416.12
22 33 36 16-0049	EA	400 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	61,262.80	1,562.62
22 33 36 16-0050	EA	400 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	63,620.32	1,562.62
22 33 36 16-0051	EA	400 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	65,977.85	1,562.62
22 33 36 16-0052	EA	400 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	70,692.89	1,562.62
22 33 36 16-0053	EA	400 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	75,407.95	1,562.62
22 33 36 16-0054	EA	400 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	79,179.99	1,562.62
22 33 36 16-0055	EA	400 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	84,838.06	1,562.62
22 33 36 16-0056	EA	400 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	90,496.11	1,562.62
22 33 36 16-0057	EA	400 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	93,325.14	1,562.62
22 33 36 16-0058	EA	400 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	96,154.17	1,562.62
22 33 36 16-0059	EA	400 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	98,983.21	1,562.62
22 33 36 16-0060	EA	400 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater	104,641.27	1,562.62
22 33 36 16-0061	EA	400 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater	107,470.29	1,562.62
22 33 36 16-0062	EA	500 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	71,525.86	1,757.95
22 33 36 16-0063	EA	500 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	74,038.32	1,757.95
22 33 36 16-0064	EA	500 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	76,550.79	1,757.95
22 33 36 16-0065	EA	500 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	81,575.72	1,757.95
22 33 36 16-0066	EA	500 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	86,600.65	1,757.95
22 33 36 16-0067	EA	500 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	90,620.59	1,757.95
22 33 36 16-0068	EA	500 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	96,650.51	1,757.95
22 33 36 16-0069	EA	500 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	102,680.43	1,757.95
22 33 36 16-0070	EA	500 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	105,695.39	1,757.95
22 33 36 16-0071	EA	500 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	108,710.34	1,757.95
22 33 36 16-0072	EA	500 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	111,725.30	1,757.95
22 33 36 16-0073	EA	500 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater	117,755.22	1,757.95
22 33 36 16-0074	EA	500 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater	120,770.18	1,757.95
22 33 36 16-0075	EA	500 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater	126,800.10	1,757.95
22 33 36 16-0076	EA	500 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater	132,830.00	1,757.95
22 33 36 16-0077	EA	600 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	83,982.81	1,953.27

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 33 36 16-0078	EA	600 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	86,903.99	1,953.27
22 33 36 16-0079	EA	600 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	89,825.18	1,953.27
22 33 36 16-0080	EA	600 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	95,667.54	1,953.27
22 33 36 16-0081	EA	600 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	101,509.92	1,953.27
22 33 36 16-0082	EA	600 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	106,183.82	1,953.27
22 33 36 16-0083	EA	600 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	112,213.73	1,953.27
22 33 36 16-0084	EA	600 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	119,224.57	1,953.27
22 33 36 16-0085	EA	600 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	122,730.00	1,953.27
22 33 36 16-0086	EA	600 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	126,235.42	1,953.27
22 33 36 16-0087	EA	600 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	129,740.85	1,953.27
22 33 36 16-0088	EA	600 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater	137,732.62	1,953.27
22 33 36 16-0089	EA	600 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater	144,743.46	1,953.27
22 33 36 16-0090	EA	600 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater	148,248.89	1,953.27
22 33 36 16-0091	EA	600 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater	155,259.73	1,953.27
22 33 36 16-0092	EA	800 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	96,809.32	2,607.62
22 33 36 16-0093	EA	800 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	102,762.20	2,607.62
22 33 36 16-0094	EA	800 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	108,715.08	2,607.62
22 33 36 16-0095	EA	800 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	113,477.38	2,607.62
22 33 36 16-0096	EA	800 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	120,620.84	2,607.62
22 33 36 16-0097	EA	800 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	127,764.29	2,607.62
22 33 36 16-0098	EA	800 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	131,336.02	2,607.62
22 33 36 16-0099	EA	800 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	134,907.75	2,607.62
22 33 36 16-0100	EA	800 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	138,479.47	2,607.62
22 33 36 16-0101	EA	800 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater	145,622.93	2,607.62
22 33 36 16-0102	EA	800 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater	152,766.39	2,607.62
22 33 36 16-0103	EA	800 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater	156,338.11	2,607.62
22 33 36 16-0104	EA	800 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater	163,481.57	2,607.62
22 33 36 16-0105	EA	1,000 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	113,321.81	3,349.87
22 33 36 16-0106	EA	1,000 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	118,418.55	3,349.87
22 33 36 16-0107	EA	1,000 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	123,515.28	3,349.87
22 33 36 16-0108	EA	1,000 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	127,592.67	3,349.87
22 33 36 16-0109	EA	1,000 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	133,708.75	3,349.87
22 33 36 16-0110	EA	1,000 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	139,824.84	3,349.87
22 33 36 16-0111	EA	1,000 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	142,882.87	3,349.87
22 33 36 16-0112	EA	1,000 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	145,940.92	3,349.87
22 33 36 16-0113	EA	1,000 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	148,998.95	3,349.87
22 33 36 16-0114	EA	1,000 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater	155,115.04	3,349.87
22 33 36 16-0115	EA	1,000 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater	161,231.12	3,349.87
22 33 36 16-0116	EA	1,000 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater	164,289.15	3,349.87
22 33 36 16-0117	EA	1,000 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater	170,405.23	3,349.87
22 33 36 16-0118	EA	1,250 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	125,722.65	3,906.55
22 33 36 16-0119	EA	1,250 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	130,406.03	3,906.55
22 33 36 16-0120	EA	1,250 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	135,089.40	3,906.55
22 33 36 16-0121	EA	1,250 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	138,836.11	3,906.55
22 33 36 16-0122	EA	1,250 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	144,456.16	3,906.55
22 33 36 16-0123	EA	1,250 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	150,076.21	3,906.55
22 33 36 16-0124	EA	1,250 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	152,886.24	3,906.55
22 33 36 16-0125	EA	1,250 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	155,696.27	3,906.55
22 33 36 16-0126	EA	1,250 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	158,506.30	3,906.55
22 33 36 16-0127	EA	1,250 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater	164,126.35	3,906.55
22 33 36 16-0128	EA	1,250 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater	169,746.40	3,906.55
22 33 36 16-0129	EA	1,250 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater	172,556.42	3,906.55
22 33 36 16-0130	EA	1,250 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater	178,176.48	3,906.55
22 33 36 16-0131	EA	1,250 Gallon, 432 KW, 480 Voltage, Commercial Electric Water Heater	183,796.53	3,906.55
22 33 36 16-0132	EA	1,500 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	137,909.09	4,687.86
22 33 36 16-0133	EA	1,500 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	142,433.95	4,687.86
22 33 36 16-0134	EA	1,500 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	146,958.80	4,687.86
22 33 36 16-0135	EA	1,500 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	150,578.69	4,687.86
22 33 36 16-0136	EA	1,500 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	156,008.52	4,687.86
22 33 36 16-0137	EA	1,500 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	161,438.34	4,687.86
22 33 36 16-0138	EA	1,500 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	164,153.26	4,687.86
22 33 36 16-0139	EA	1,500 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	166,868.17	4,687.86
22 33 36 16-0140	EA	1,500 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	169,583.09	4,687.86
22 33 36 16-0141	EA	1,500 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater	175,012.91	4,687.86
22 33 36 16-0142	EA	1,500 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater	180,442.74	4,687.86
22 33 36 16-0143	EA	1,500 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater	183,157.66	4,687.86
22 33 36 16-0144	EA	1,500 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater	188,587.49	4,687.86
22 33 36 16-0145	EA	1,500 Gallon, 432 KW, 480 Voltage, Commercial Electric Water Heater	194,017.31	4,687.86

22 34 Fuel-Fired Domestic Water Heaters *(22 30)*

22 34 13 Instantaneous, Tankless, Gas Domestic Water Heaters *(22 34)*

22 34 13 00-0001 Instantaneous, Tankless, Gas Domestic Water Heaters *(22 34 13)*

22 34 13 00-0002 Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heaters *(22 34 13 00-0001)*

Note: Includes vent connection. Excludes vent.

22 34 13 00-0003	EA	4.2 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-42PVN)	2,162.84	234.11
22 34 13 00-0004	EA	5.3 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53PVN)	2,346.24	237.03

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 13 00-0005	EA	5.3 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53DVN)	2,583.89	242.89
22 34 13 00-0006	EA	6.6 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-66DVN)	3,031.10	248.74
22 34 13 00-0007	EA	7.4 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74PVN)	3,693.28	263.37
22 34 13 00-0008	EA	7.4 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74DVN)	3,773.97	263.37
22 34 13 00-0009		Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heaters *(22 34 13 00-0001)*		
22 34 13 00-0010	EA	5.3 GPM, Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53XN)	2,340.38	234.11
22 34 13 00-0011	EA	7.4 GPM, Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74XN)	3,693.28	263.37
22 34 13 00-0012		Indoor Mount, Instantaneous, Tankless, Natural Gas Domestic Water Heaters *(22 34 13 00-0001)*		
		Note: Includes vent connection. Excludes vent.		
22 34 13 00-0013	EA	11 GPM, 15 MBTU Minimum To 199 MBTU Maximum, Indoor Mount, Instantaneous, Tankless, Natural Gas Domestic Water Heater (Rinnai CU199iN)	3,393.81	351.17
22 34 30		**Residential Gas Domestic Water Heaters** *(22 34)*		
22 34 30 13		**Residential, Atmospheric, Gas Domestic Water Heaters** *(22 34 30)*		
22 34 30 13-0001		Atmospheric, Gas Domestic Water Heaters (A.O. Smith ProMax) *(22 34 30 13)*		
		Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 30 13-0002	EA	30 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-30)	1,603.34	225.33
22 34 30 13-0003	EA	40 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-40)	1,571.50	231.18
22 34 30 13-0004	EA	50 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCVX-50)	2,113.50	237.03
22 34 30 13-0005	EA	65 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smiith GCV-65)	2,291.84	242.89
22 34 30 13-0006	EA	75 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith FCG-75)	2,508.37	248.74
22 34 30 13-0007	EA	100 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith FCG-100)	3,744.36	263.37
22 34 30 13-0008		Atmospheric, Gas Domestic Water Heaters *(22 34 30 13)*		
		Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 30 13-0009	EA	40 Gallon, 40 MBH, Tall, 67% Efficient, Gas Fired Domestic Water Heater (A. O. Smith GCF-40)	2,430.51	231.18
22 34 30 13-0010	EA	50 Gallon, 40 MBH, Tall, 67% Efficient, Energy Star, Gas Fired Domestic Water Heater (A. O. Smith GCF-50)	2,660.91	237.03
22 34 30 13-0011	EA	40 Gallon, 40 MBH, Short, 67% Efficient, Energy Star, Gas Fired Domestic Water Heater (A. O. Smith GCFL-40)	2,364.90	231.18
22 34 30 13-0012	EA	40 Gallon, 40 MBH, 70% Efficient, Gas Fired Domestic Water Heater (A. O. Smith GAHH-40)	2,474.25	231.18
22 34 30 13-0013	EA	50 Gallon, 40 MBH, 70% Efficient, Gas Fired Domestic Water Heater (A. O. Smith GAHH-50)	2,485.96	237.03
22 34 30 13-0014	EA	100 Gallon, 100 MBH, 96% Efficient, Gas Fired Domestic Water Heater (A. O. Smith GDHE-50)	5,000.50	175.59
22 34 30 16		**Residential, Direct-Vent, Gas Domestic Water Heaters** *(22 34 30)*		
22 34 30 16-0001		Direct-Vent, Gas Domestic Water Heaters (A.O. Smith ProMax) *(22 34 30 16)*		
		Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 30 16-0002	EA	40 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-40)	2,992.39	231.18
22 34 30 16-0003	EA	50 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-50)	3,420.01	237.03
22 34 30 16-0004	EA	75 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-75)	4,469.88	242.89
22 34 30 19		**Residential, Power-Vent, Gas Domestic Water Heaters** *(22 34 30)*		
22 34 30 19-0001		Power-Vent, Gas Domestic Water Heaters (A.O. Smith ProMax) *(22 34 30 19)*		
		Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 30 19-0002	EA	40 Gallon, Power-Vent, Gas Domestic Water Heater (A. O. Smith GPVH-40)	2,711.49	231.18
22 34 30 19-0003	EA	50 Gallon, Power-Vent, Gas Domestic Water Heater (A. O. Smith GPVH-50)	2,825.68	237.03
22 34 36		**Commercial Gas Domestic Water Heaters** *(22 34)*		
22 34 36 13		**Commercial, Atmospheric, Gas Domestic Water Heaters** *(22 34 36)*		
22 34 36 13-0001		Gas Fired Commercial Water Heaters (A.O. Smith BTR) *(22 34 36 13)*		
		Note: Includes automatic flue damper, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 36 13-0002	EA	120 MBH Input, 71 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-120)	7,087.75	351.17
22 34 36 13-0003	EA	154 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-154)	7,558.69	409.69
22 34 36 13-0004	EA	180 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-180)	9,360.52	468.22
22 34 36 13-0005	EA	199 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-199)	8,083.48	468.22
22 34 36 13-0006	EA	199 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-200)	9,308.35	468.22
22 34 36 13-0007	EA	199 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-200A)	12,436.30	515.05
22 34 36 13-0008	EA	250 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-250)	8,999.07	526.75
22 34 36 13-0009	EA	250 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-250A)	13,390.63	579.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 36 13-0010	EA	251 MBH Input, 65 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-251)	9,140.60	526.75
22 34 36 13-0011	EA	251 MBH Input, 65 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-251A)	12,767.24	579.42
22 34 36 13-0012	EA	275 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-275)	10,116.03	643.81
22 34 36 13-0013	EA	275 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-275A)	13,951.43	708.18
22 34 36 13-0014	EA	305 MBH Input, 65 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-305)	11,396.51	643.81
22 34 36 13-0015	EA	305 MBH Input, 65 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-305A)	14,035.67	708.18
22 34 36 13-0016	EA	365 MBH Input, 85 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-365)	11,008.18	702.33
22 34 36 13-0017	EA	365 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-365A)	15,495.45	772.57
22 34 36 13-0018	EA	390 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-400)	14,023.96	702.33
22 34 36 13-0019	EA	390 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-400A)	18,393.36	772.57
22 34 36 13-0020	EA	500 MBH Input, 85 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-500)	18,319.39	760.86
22 34 36 13-0021	EA	150 MBH Input, 32 Gallon, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-151)	9,142.37	409.69
22 34 36 13-0022	EA	150 MBH Input, 32 Gallon, ASME Rated Tank, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-151A)	10,976.53	450.66
22 34 36 13-0023	EA	199 MBH Input, 32 Gallon, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-201)	9,495.30	468.22
22 34 36 13-0024	EA	199 MBH Input, 32 Gallon, ASME Rated Tank, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-201A)	11,391.71	515.05
22 34 36 13-0025	EA	Sidewall Power Vent System For BTR-120 through BTR-200	2,270.03	292.64
22 34 36 13-0026	EA	Sidewall Power Vent System For BTR-250 through BTR-500	2,489.05	292.64

22 34 36 13-0027 Removal And Reinstallation Of Water Heater *(22 34 36 13)*

Note: Includes storage and cleaning.

22 34 36 13-0028	EA	Removal And Reinstallation Of Water Heater Gas Fired, Up To 86 Gallon	532.07	
22 34 36 13-0029	EA	Removal And Reinstallation Of Water Heater Gas Fired, 87 Gallon To 200 Gallon	1,406.92	

22 34 36 19 Commercial, Power-Vent, Gas Domestic Water Heaters *(22 34 36)*

22 34 36 19-0001 Induced Draft Blower Gas Fired Commercial Water Heaters (A.O. Smith BTN) *(22 34 36 19)*

Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 36 19-0002	EA	90 MBH Input, 98 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-100)	5,756.74	351.17
22 34 36 19-0003	EA	120 MBH Input, 71 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-120)	8,267.13	351.17
22 34 36 19-0004	EA	154 MBH Input, 81 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-154)	10,085.87	409.69
22 34 36 19-0005	EA	180 MBH Input, 99 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-180)	10,489.35	468.22
22 34 36 19-0006	EA	199 MBH Input, 99 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-199)	10,539.90	468.22
22 34 36 19-0007	EA	199 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-200)	10,775.77	468.22
22 34 36 19-0008	EA	199 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-200A)	12,655.33	515.05
22 34 36 19-0009	EA	250 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-250)	11,886.87	526.75
22 34 36 19-0010	EA	250 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-250A)	14,637.41	579.42
22 34 36 19-0011	EA	275 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-275)	12,441.10	643.81
22 34 36 19-0012	EA	275 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-275A)	15,265.60	708.18
22 34 36 19-0013	EA	310 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-310)	12,710.67	643.81
22 34 36 19-0014	EA	310 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-310A)	15,434.08	708.18
22 34 36 19-0015	EA	366 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-366)	14,259.84	702.33
22 34 36 19-0016	EA	366 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-366A)	16,775.92	772.57
22 34 36 19-0017	EA	390 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-400)	17,309.38	702.33
22 34 36 19-0018	EA	390 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-400A)	19,977.10	772.57

22 34 36 19-0019 Condensing Gas Fired Commercial Water Heaters (A.O. Smith BTX And BTH) *(22 34 36 19)*

Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 36 19-0020	EA	76 MBH Input, 50 Gallon, 90% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTX-80)	4,442.57	351.17
22 34 36 19-0021	EA	100 MBH Input, 50 Gallon, 90% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTX-100)	5,992.61	351.17
22 34 36 19-0022	EA	120 MBH Input, 60 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-120)	7,273.08	351.17
22 34 36 19-0023	EA	120 MBH Input, 60 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-120A)	10,510.80	386.28
22 34 36 19-0024	EA	150 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-150)	10,759.80	409.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 36 19-0025	EA	150 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-150A)	13,588.02	450.66
22 34 36 19-0026	EA	199 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-199)	10,910.56	468.22
22 34 36 19-0027	EA	199 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-199A)	13,986.35	515.05
22 34 36 19-0028	EA	250 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-250)	12,611.35	526.75
22 34 36 19-0029	EA	250 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-250A)	15,361.88	579.42
22 34 36 19-0030	EA	300 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-300A)	20,117.91	708.18
22 34 36 19-0031	EA	399.9 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-400A)	21,139.63	772.57
22 34 36 19-0032	EA	499.9 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-500A)	24,334.78	836.94

22 34 36 23 Commercial, High-Efficiency, Gas Domestic Water Heaters *(22 34 36)*

22 34 36 23-0001 Gas Fired Domestic Hot Water Skid Package (Laars Mighty Therm) *(22 34 36 23)*

Note: Includes (2) Laars Mighty Therm boilers, (2) B&G boiler primary pumps (one per boiler), T&P valve, circuit setter, storage tank (sized for 10 minutes buffer based on 50 degree city water supply, and operating set point for the tank at 130 degrees storage), and all necessary accessories for system monitoring such as gauges and thermometers. UL listed and labeled. Excludes piping insulation or seismic calculations.

22 34 36 23-0002	EA	400 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-400)	97,790.62	1,562.62
22 34 36 23-0003	EA	1,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-1000)	118,367.59	1,660.28
22 34 36 23-0004	EA	2,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-2000)	143,969.61	1,757.95
22 34 36 23-0005	EA	3,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-3000)	172,248.31	1,855.61
22 34 36 23-0006	EA	4,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-4000)	180,539.92	1,953.27

22 34 36 23-0007 Gas Fired Volume Water Heater (Laars Mighty Therm) *(22 34 36 23)*

22 34 36 23-0008	EA	200 MBH Gas Fired Volume Water Heater (Laars MT2V0200)	11,988.76	862.79
22 34 36 23-0009	EA	300 MBH Gas Fired Volume Water Heater (Laars MT2V0300)	12,995.94	970.64
22 34 36 23-0010	EA	400 MBH Gas Fired Volume Water Heater (Laars MT2V0400)	15,027.69	1,186.34
22 34 36 23-0011	EA	500 MBH Gas Fired Volume Water Heater (Laars MT2V0500)	22,040.56	1,294.19
22 34 36 23-0012	EA	750 MBH Gas Fired Volume Water Heater (Laars MT2V0750)	24,213.66	1,509.88
22 34 36 23-0013	EA	1,000 MBH Gas Fired Volume Water Heater (Laars MT2V1000)	27,697.90	1,725.59
22 34 36 23-0014	EA	1,250 MBH Gas Fired Volume Water Heater (Laars MT2V1250)	30,586.38	1,941.29
22 34 36 23-0015	EA	1,500 MBH Gas Fired Volume Water Heater (Laars MT2V1500)	36,621.20	2,156.99
22 34 36 23-0016	EA	1,750 MBH Gas Fired Volume Water Heater (Laars MT2V1750)	37,991.50	2,264.83
22 34 36 23-0017	EA	2,000 MBH Gas Fired Volume Water Heater (Laars MT2V2000)	40,775.17	2,372.68

22 34 36 23-0018 Gas Fired Condensing Volume Water Heaters, High Efficiency (Laars NeoTherm) *(22 34 36 23)*

Note: Includes relief valve, pump, flow switch, drain valve, low air pressure switch, hi limit reset switch and copper finned heat exchanger.

22 34 36 23-0019	EA	150 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV150)	20,293.39	646.98
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0020	EA	199 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV199)	23,617.51	862.79
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0021	EA	285 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV285)	30,970.12	970.64
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0022	EA	399 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV399)	38,902.48	1,186.34
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0023	EA	500 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV500)	46,000.60	1,294.19
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0024	EA	600 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV600)	52,039.89	1,402.03
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0025	EA	750 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV750)	62,530.21	1,509.88
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0026	EA	850 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV850)	69,319.50	1,617.73
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0027	EA	1,000 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV1000)	91,306.50	1,725.59
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0028	EA	1,700 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV1700)	122,758.79	2,264.83
		For Skid Mounting, Add	*950.00*	

22 34 36 26 Commercial, Coil-Type, Finned-Tube, Gas Domestic Water Heaters *(22 34 36)*

22 34 36 26-0001 Laars Rheos+ 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heaters *(22 34 36 26)*

22 34 36 26-0002	EA	1,200 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	36,507.47	1,639.31
22 34 36 26-0003	EA	1,600 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	51,634.06	1,811.86
22 34 36 26-0004	EA	2,000 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	56,037.03	1,898.14
22 34 36 26-0005	EA	2,400 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	60,692.26	2,070.70

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 36 26-0006		Laars Rheos 86% Efficient Gas Fired, Copper Fin Tube LoNox Water Heaters *(22 34 36 26)*		
22 34 36 26-0007	EA	1,200 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	32,350.41	1,639.31
22 34 36 26-0008	EA	1,600 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	35,738.65	1,811.86
22 34 36 26-0009	EA	2,000 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	39,081.29	1,898.14
22 34 36 26-0010	EA	2,400 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	42,459.99	2,070.70
22 34 36 26-0011		Laars Pennant 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heaters *(22 34 36 26)*		
22 34 36 26-0012	EA	200 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	8,260.35	776.51
22 34 36 26-0013	EA	300 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	9,086.49	862.79
22 34 36 26-0014	EA	400 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	10,668.83	1,035.35
22 34 36 26-0015	EA	500 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	15,095.89	1,078.49
22 34 36 26-0016	EA	750 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	16,617.56	1,294.19
22 34 36 26-0017	EA	1,000 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	20,499.70	1,553.03
22 34 36 26-0018	EA	1,250 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	23,319.32	1,639.31
22 34 36 26-0019	EA	1,500 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	25,854.15	1,768.73
22 34 36 26-0020	EA	1,750 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	28,231.84	1,855.01
22 34 36 26-0021	EA	2,000 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	30,312.51	1,898.14
22 34 36 26-0022		Patterson Kelley Thermific Sealed Combustion, Gas Fired, Copper Fin Tube Water Heaters *(22 34 36 26)*		
22 34 36 26-0023	EA	700 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	23,590.62	1,294.19
22 34 36 26-0024	EA	1,000 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	26,005.15	1,553.03
22 34 36 26-0025	EA	1,500 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	31,137.12	1,768.73
22 34 36 26-0026	EA	1,700 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	32,094.41	1,855.01
22 34 36 26-0027	EA	2,000 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	33,574.57	1,898.14
22 34 36 26-0028		Patterson Kelley Modufire Forced Draft, Water, Gas Fired, Copper Fin Tube Water Heaters *(22 34 36 26)*		
22 34 36 26-0029	EA	1,000 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire)	28,372.85	1,553.03
22 34 36 26-0030	EA	1,500 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire)	34,278.92	1,768.73
22 34 36 26-0031	EA	2,000 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire)	36,385.48	1,898.14
22 34 46		**Oil-Fired Domestic Water Heaters** *(22 34)*		
22 34 46 11		**Standard-capacity, Oil-Fired Domestic Water Heaters** *(22 34 46)*		
22 34 46 11-0001		Oil-Fired Domestic Water Heaters *(22 34 46 11)* Note: Includes burner, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 46 11-0002	EA	60 MBH, 20 Gallon, Oil-Fired Domestic Water Heater (Bock 20E)	3,389.58	180.27
22 34 46 11-0003	EA	104 MBH, 32 Gallon, Oil-Fired Domestic Water Heater (Bock 32E)	3,350.54	180.27
22 34 46 11-0004	EA	104 MBH, 33 Gallon, Oil-Fired Domestic Water Heater (Bock 33ES)	3,475.97	180.27
22 34 46 11-0005	EA	125 MBH, 40 Gallon, Oil-Fired Domestic Water Heater (Bock 40E)	3,637.16	184.95
22 34 46 11-0006	EA	140 MBH, 50 Gallon, Oil-Fired Domestic Water Heater (Bock 50ES)	4,489.02	189.63
22 34 46 11-0007	EA	152 MBH, 50 Gallon, Oil-Fired Domestic Water Heater (Bock 51E)	3,868.78	189.63
22 34 46 11-0008		Oil-Fired Commercial Water Heaters *(22 34 46 11)* Note: Includes burner, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 46 11-0009	EA	173 MBH, 68 Gallon, Oil-Fired Domestic Water Heater (Bock 71E)	5,113.61	280.93
22 34 46 11-0010	EA	199 MBH, 67 Gallon, Oil-Fired Domestic Water Heater (Bock 72E)	5,930.20	280.93
22 34 46 11-0011	EA	242 MBH, 67 Gallon, Oil-Fired Domestic Water Heater (Bock 73E)	5,961.61	280.93
22 34 46 11-0012	EA	190 MBH, 113 Gallon, Oil-Fired Domestic Water Heater (Bock 120E)	8,274.12	374.57
22 34 46 11-0013	EA	415 MBH, 91 Gallon, Oil-Fired Domestic Water Heater (Bock 361E)	11,662.16	468.22
22 34 46 11-0014	EA	623 MBH, 83 Gallon, Oil-Fired Domestic Water Heater (Bock 541E)	14,433.93	515.05
22 35		**Domestic Water Heat Exchangers** *(22 30)*		
22 35 23		**Circulating, Domestic Water Heat Exchangers** *(22 35)*		
22 35 23 13		**Circulating, Compact Domestic Water Heat Exchangers** *(22 35 23)*		
22 35 23 13-0001		Steam Driven Water Heaters *(22 35 23 13)*		
22 35 23 13-0002		Constant Flow *(22 35 23 13-0001)*		
22 35 23 13-0003	EA	30 GPM, 700 Lb./Hour Steam Water Heater, Constant Flow	6,498.47	585.28
22 35 23 13-0004	EA	90 GPM, 1,250 Lb./Hour Steam Water Heater, Constant Flow	8,116.00	717.20
22 35 23 13-0005	EA	140 GPM, 2,500 Lb./Hour Steam Water Heater, Constant Flow	10,400.56	937.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 35 23 13-0006	EA	230 GPM, 5,000 Lb./Hour Steam Water Heater, Constant Flow	14,075.07	1,306.46
22 35 23 13-0007	EA	500 GPM, 7,500 Lb./Hour Steam Water Heater, Constant Flow	20,776.85	2,151.71
22 35 23 13-0008	EA	900 GPM, 10,000 Lb./Hour Steam Water Heater, Constant Flow	22,646.64	2,438.62
22 35 23 13-0009	EA	1,400 GPM, 15,000 Lb./Hour Steam Water Heater, Constant Flow	29,704.09	2,813.78
22 35 23 13-0010	EA	2,400 GPM, 20,000 Lb./Hour Steam Water Heater, Constant Flow	35,738.43	3,325.43

22 35 23 13-0011 Variable Flow *(22 35 23 13-0001)*

22 35 23 13-0012	EA	30 GPM, 700 Lb./Hour Steam Water Heater, Variable Flow	9,799.36	1,141.29
22 35 23 13-0013	EA	90 GPM, 1,250 Lb./Hour Steam Water Heater, Variable Flow	11,110.11	1,393.55
22 35 23 13-0014	EA	140 GPM, 2,500 Lb./Hour Steam Water Heater, Variable Flow	14,173.36	1,801.95
22 35 23 13-0015	EA	230 GPM, 5,000 Lb./Hour Steam Water Heater, Variable Flow	18,592.75	2,514.12
22 35 23 13-0016	EA	500 GPM, 7,500 Lb./Hour Steam Water Heater, Variable Flow	27,762.46	4,204.63
22 35 23 13-0017	EA	900 GPM, 10,000 Lb./Hour Steam Water Heater, Variable Flow	33,769.14	4,630.37
22 35 23 13-0018	EA	1,400 GPM, 15,000 Lb./Hour Steam Water Heater, Variable Flow	39,119.63	5,419.20
22 35 23 13-0019	EA	2,400 GPM, 20,000 Lb./Hour Steam Water Heater, Variable Flow	49,524.05	6,474.34

22 40 Plumbing Fixtures *(22)*

Note: The following Energy Policy Act Flow Rates Requirements superseded flow rates standards listed in section. Plumbing fixtures and trim should not exceed the maximum flow rates set forth in The Energy Policy Act 92. lavatory faucets - 2.5 gal/min, lavatory replacement aerators - 2.5 gal/min, kitchen faucets - 2.5 gal/min, kitchen replacement aerators - 2.5 gal/min, metering faucets - 0.25 gal/cycle, gravity tank-type toilets - 1.6 gal/flush, flushometer tank toilets - 1.6 gal/flush, electromechanical hydraulic toilets - 1.6 gal/flush, blowdown toilets - 3.5 gal/flush, urinals - 1.0 gal/flush.

22 41 Residential Plumbing Fixtures *(22 40)*

22 41 26 Residential Disposers *(22 41)*

22 41 26 00-0001 Disposals *(22 41 26)*

22 41 26 00-0002	EA	1/3 HP Insulated Garbage Disposal	288.98	74.71
22 41 26 00-0003	EA	1/2 HP Insulated Garbage Disposal	329.44	74.71
22 41 26 00-0004	EA	3/4 HP Insulated Garbage Disposal	430.58	74.71
22 41 26 00-0005	EA	1 HP Insulated Garbage Disposal	531.72	74.71

22 41 39 Residential Faucets, Supplies, and Trim *(22 41)*

22 41 39 00-0001 Residential Kitchen Faucets *(22 41 39)*

22 41 39 00-0002	EA	Chrome Single Handle Kitchen Faucet (Delta 100LF-WF)	206.56	53.90
22 41 39 00-0003	EA	Chrome Single Handle Kitchen Faucet With Spray (Delta 400LF-WF)	239.01	53.90
22 41 39 00-0004	EA	Chrome Single Handle Kitchen Faucet With Integrated Spray (Delta 300LF-WF)	239.01	53.90
22 41 39 00-0005	EA	Chrome Two Handle Kitchen Faucet, Three Hole Installation 8"Center (Delta 2102LF-LHP+H215)	230.05	53.90
22 41 39 00-0006	EA	Chrome Two Handle Kitchen Faucet With Spray, Three Hole Installation, 8" Center (Delta 2402LF-LHP+H215)	247.48	53.90

22 41 39 00-0007 Residential Lavatory Faucets *(22 41 39)*

22 41 39 00-0008	EA	Chrome, Single Acrylic Handle, Bath Faucet (Delta 502-DST)	189.18	38.80
		For Faucet With Brass Pop-Up, Add	*11.00*	
22 41 39 00-0009	EA	Chrome, Single Lever Handle, Lavatory Faucet (Delta 500-WF)	189.18	38.80
		For Faucet With Brass Pop-Up, Add	*11.00*	
22 41 39 00-0010	EA	Chrome, Two Handle, Bath Faucet With Acrylic Handles (Delta 2502LF)	135.81	38.80
		For Faucet With Brass Pop-Up, Add	*16.50*	
		For Faucet With Plastic Pop-Up, Add	*14.00*	

22 41 39 00-0011 Residential Bath And Shower Faucets *(22 41 39)*

22 41 39 00-0012	EA	Single Lever Handle, Chrome Shower Only, Pressure Balanced/Anti-Scald Valve (American Standard T675.501)	246.47	46.78
		For Faucet With Polished Nickel Or Brass Finish, Add	*25.00*	
22 41 39 00-0013	EA	Single Lever Handle, Chrome Bath And Shower, Pressure Balanced/Anti-Scald Valve (American Standard T675.502)	290.86	46.78
		For Faucet With Polished Nickel Or Brass Finish, Add	*25.00*	
22 41 39 00-0014	EA	Two-Knob Handle Chrome Shower And Tub Filler, Ceramic Valving (American Standard Cadet 3275)	227.13	46.78
		For Faucet With Polished Nickel Or Brass Finish, Add	*75.00*	
		For Faucet With Lever Handles, Add	*8.10*	
22 41 39 00-0015	EA	Three-Knob Handle Chrome Shower And Tub Filler, Ceramic Valving (American Standard Cadet 3375)	251.03	46.78
		For Faucet With Polished Nickel Or Brass Finish, Add	*75.00*	
		For Faucet With Lever Handles, Add	*8.10*	
22 41 39 00-0016	EA	Hand Shower With Hose And 25" Slide Bar (American Standard 1662.602)	280.46	29.27
22 41 39 00-0017	EA	Wall Mount, Hand Shower With Hose (Delta 55011)	232.92	29.27
22 41 39 00-0018	EA	Wall Mount, Hand Shower Unit With Hose (Delta Faucet 62001 DS)	261.76	29.27

22 41 39 00-0019 Residential Laundry Faucets *(22 41 39)*

22 41 39 00-0020	EA	Stream Straightener Nozzle Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2123LF)	162.77	34.41

22 41 39 00-0021 Residential Laundry/Wash Basin Faucets *(22 41 39)*

22 41 39 00-0022	EA	Hose Thread Spout Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2121LF)	164.11	34.41
22 41 39 00-0023	EA	Hose Thread Spout With Vacuum Breaker Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2121LF+RP12503)	235.14	37.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 41 39 00-0024		Other Residential Faucets *(22 41 39)*		
22 41 39 00-0025	EA	Sillcock, Compact, Brass, IPS Or Copper To Hose	44.66	8.78

22 42 Commercial Plumbing Fixtures *(22 40)*

Note: Prices are for commercial grade unless otherwise indicated. Includes final connection and all associated trim (seat, supply stop and line, wax seal, valve). Excludes rough-in within the wall and carrier.

22 42 13 Commercial Water Closets, Urinals, and Bidets *(22 42)*

22 42 13 13 Commercial Water Closets *(22 42 13)*

22 42 13 13-0001 Vitreous China Water Closets *(22 42 13 13)*

Note: With a 2" ball pass.

22 42 13 13-0002 Floor Mounted Elongated Vitreous China Water Closets *(22 42 13 13-0001)*

Note: Includes wax seal and toilet seat. Excludes flush valve.

22 42 13 13-0003	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Madera™)	657.07	112.10
22 42 13 13-0004	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Elongated Vitreous China Water Closet (American Standard Priolo™)	766.54	112.10
22 42 13 13-0005	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Wall Outlet, Elongated Vitreous China Water Closet (American Standard Yorkville™)	965.98	112.10
22 42 13 13-0006	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Cadet®)	873.50	112.10
22 42 13 13-0007	EA	1 Piece Tank Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Compact Cadet®)	821.28	112.10
22 42 13 13-0008	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet With Concealed Trapway (American Standard Cadet® 3 FloWise® RIGHT HEIGHT®)	824.87	112.10
22 42 13 13-0009	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (Kohler® Wellcomme™)	649.05	112.10
22 42 13 13-0010	EA	1.28 GPF Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (Toto® CT705E)	689.36	112.10

22 42 13 13-0011 Wall Hung Elongated Vitreous China Water Closets *(22 42 13 13-0001)*

Note: Includes wax seal and toilet seat. Excludes flush valve.

22 42 13 13-0012	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Afwall®)	759.79	137.97
22 42 13 13-0013	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Afwall® ADA Retrofit)	919.25	137.97
22 42 13 13-0014	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Glenwall™)	1,135.68	137.97
22 42 13 13-0015	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Kohler® Kingston™)	762.64	137.97
22 42 13 13-0016	EA	Flush Valve Type, Blow Out, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Kohler® Stratton™)	1,106.24	137.97
22 42 13 13-0017	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Toto® CT708E Or CT708EV)	832.86	137.97
22 42 13 13-0018	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Zurn Z5615-BWL)	723.55	137.97
22 42 13 13-0019	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Sloan ST-2459)	755.23	137.97

22 42 13 13-0020 Floor Mounted Elongated Handicapped Water Closets *(22 42 13 13-0001)*

Note: Includes wax seal and toilet seat. Excludes flush valve.

22 42 13 13-0021	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Madera™ ADA)	664.99	112.10
22 42 13 13-0022	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Colorado Right Height®)	678.83	112.10
22 42 13 13-0023	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Right Width™ Right Height®)	739.86	112.10
22 42 13 13-0024	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Huron)	815.35	112.10
22 42 13 13-0025	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Priolo® ADA)	812.21	112.10
22 42 13 13-0026	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Back Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Yorkville™ ADA)	1,053.18	112.10
22 42 13 13-0027	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Cadet Right Height™ ADA)	902.18	112.10
22 42 13 13-0028	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Toto® CT705ELN)	727.15	112.10
22 42 13 13-0029	EA	2 Piece Tank Type, High Efficiency Water Closet Floor Mounted, Elongated, (Sterling 402077) With Open-Front Seat (Kohler K-4650)	834.58	112.10
22 42 13 13-0030	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Kohler Highline™ ADA K-3519)	921.14	112.10
22 42 13 13-0031	EA	2 Piece Tank Type, Dual-Flush 1.1 And 1.6 GPF, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Vortens Vienna ELX-DF 3113-3436)	737.89	112.10
22 42 13 13-0032	EA	2 Piece Tank Type, High Eficiency Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Niagara Stealth™)	720.92	112.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 13-0033	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Zurn HET Z5667-BWL)	695.39	112.10
22 42 13 13-0034		**Floor Mounted, 10" High Bowl, Children's Height Vitreous China Water Closets** *(22 42 13 13-0001)*		
		Note: Includes wax seal and toilet seat. Excludes flush valve.		
22 42 13 13-0035	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Elongated Vitreous China Water Closet (Kohler® Primary™)	734.95	112.10
22 42 13 13-0036	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Round Front Vitreous China Water Closet (American Standard Baby Devoro™)	671.90	112.10
22 42 13 13-0037	EA	2 Piece Tank Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Round Front Vitreous China Water Closet (American Standard Baby Devoro™)	770.06	112.10
22 42 13 13-0038		**Floor Mounted Round Bowl Vitreous China Water Closets** *(22 42 13 13-0001)*		
22 42 13 13-0039	EA	2 Piece Tank Type, Floor Mounted, Floor Outlet, Round Vitreous China Water Closet (Toto® CST715) With SoftClose® Seat (Toto® SS113)	695.42	112.10
22 42 13 13-0040	EA	2 Piece Tank Type, Dual Flush, Floor Mounted, Floor Outlet, Round Vitreous China Water Closet (Vortens 3208-3412)	726.70	112.10
22 42 13 13-0041		**Floor Mounted Round Vitreous China Water Closets (Saniflo)** *(22 42 13 13-0001)*		
		Note: Includes wax seal and toilet seat. Excludes flush valve.		
22 42 13 13-0042	EA	1.28 GPF Grinder Pump Type, Floor Mounted, Floor Outlet, Pro Pump And White Round Vitreous China Water Closet Kit (Saniflo)	2,507.48	215.58
		Note: Includes Sanibest Pro Grinder Pump (The Beast) #013, Saniflo White Round Toilet Bowl #083, Saniflo White Toilet Tank (Water Sense Approved) #005, & Saniflo Slow Close Toilet Seat.		
		For Extension Pipe (To Hide Pump), Add	*77.60*	
		For Extension pipe Trim Plate, Add	*13.86*	
		For Sani-Alarm (High Water Level Alarm), Add	*88.68*	
22 42 13 13-0043		**Stainless Steel Water Closets** *(22 42 13 13)*		
22 42 13 13-0044	EA	Wall Hung Water Closet, Stainless Steel With Hinged Seat, Siphon Jet (Acorn 2105-T-1-HS)	2,581.77	242.53
22 42 13 13-0045	EA	Floor Mounted Water Closet, Stainless Steel With Hinged Seat, Siphon Jet (Acorn 2120-T-3-HS)	2,711.72	242.53
22 42 13 13-0046		**Water Closet Carriers** *(22 42 13 13)*		
22 42 13 13-0047		**Pipe Grip Adaptor Type, Water Closet Carriers** *(22 42 13 13-0046)*		
		Note: Includes coated cast iron construction, plated hardware and adjustable feet. Excludes waste piping and fittings.		
22 42 13 13-0048	EA	Pipe Grip Adaptor Type, Water Closet Carrier	734.86	56.91
22 42 13 13-0049		**No-Hub, Water Closet Carriers** *(22 42 13 13-0046)*		
		Note: Includes coated cast iron construction, ABS extension with integral test cap, plated hardware and neoprene fixture gasket. Includes buttress feet or pylon feet and anchor foot.		
22 42 13 13-0050	EA	Vertical Close With Offset, No-Hub, Single Water Closet Carrier	1,173.53	56.91
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-107.63*	
		For Positioning Frame, Add	*66.47*	
		For Supply Pipe Support, Add	*68.08*	
		For Vandal Proof Trim, Add	*91.60*	
		For Auxiliary Inlet, Add	*289.99*	
		For Special Duty 500 Lb. Carrier, Add	*510.97*	
22 42 13 13-0051	EA	Vertical Close On Stack, No-Hub, Single Water Closet Carrier	1,173.53	56.91
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-107.63*	
		For Positioning Frame, Add	*66.47*	
		For Supply Pipe Support, Add	*68.08*	
		For Vandal Proof Trim, Add	*91.60*	
		For Auxiliary Inlet, Add	*289.99*	
		For Special Duty 500 Lb. Carrier, Add	*510.97*	
22 42 13 13-0052	EA	Horizontal Adjustable, No-Hub, Single Water Closet Carrier	1,287.61	56.91
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-107.63*	
		For Positioning Frame, Add	*66.47*	
		For Supply Pipe Support, Add	*68.08*	
		For Vandal Proof Trim, Add	*91.60*	
		For Auxiliary Inlet, Add	*289.99*	
		For Horizontal No Hub Cast Long Barrel, Add	*304.87*	
		For Carrier For Wide Chase Installations, Add	*390.79*	
		For Special Duty 1,000 Lb. Carrier, Add	*510.98*	
22 42 13 13-0053	EA	Vertical Adjustable On Stack, No-Hub, Single Water Closet Carrier	1,433.83	56.91
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-107.63*	
		For Positioning Frame, Add	*66.47*	
		For Supply Pipe Support, Add	*68.08*	
		For Vandal Proof Trim, Add	*91.60*	
		For 4" Branch, Add	*232.57*	
		For Auxiliary Inlet, Add	*289.99*	
		For Carrier For Wide Chase Installations, Add	*390.79*	
		For Double 4" Branches, Add	*466.72*	
		For Special Duty 1,000 Lb. Carrier, Add	*510.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 13-0054	EA	Vertical Close With Offset, No-Hub, Double Water Closet (Back To Back) Carrier	1,966.17	83.53
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-215.28*	
		For Positioning Frame, Add	*141.02*	
		For Supply Pipe Support, Add	*144.25*	
		For Vandal Proof Trim, Add	*183.20*	
		For Auxiliary Inlet, Add	*306.16*	
		For Special Duty 500 Lb. Carrier, Add	*1,021.93*	
22 42 13 13-0055	EA	Vertical Close On Stack, No-Hub, Double Water Closet (Back To Back) Carrier	2,024.03	83.53
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-215.28*	
		For Positioning Frame, Add	*141.02*	
		For Supply Pipe Support, Add	*144.25*	
		For Vandal Proof Trim, Add	*183.20*	
		For Auxiliary Inlet, Add	*306.16*	
		For Special Duty 500 Lb. Carrier, Add	*1,021.93*	
22 42 13 13-0056	EA	Vertical Adjustable On Stack, No-Hub, Double Water Closet (Back To Back) Carrier	2,485.18	83.53
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-215.28*	
		For Positioning Frame, Add	*141.02*	
		For Supply Pipe Support, Add	*144.25*	
		For Vandal Proof Trim, Add	*183.20*	
		For 4" Branch, Add	*240.65*	
		For Auxiliary Inlet, Add	*306.16*	
		For Double 4" Branches, Add	*482.89*	
		For Carrier For Wide Chase Installations, Add	*830.08*	
		For Special Duty 1,000 Lb. Carrier, Add	*1,021.96*	
22 42 13 13-0057	EA	Horizontal Adjustable, No-Hub, Double Water Closet (Back To Back) Carrier	2,334.14	83.53
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-215.28*	
		For Positioning Frame, Add	*141.02*	
		For Supply Pipe Support, Add	*144.25*	
		For Vandal Proof Trim, Add	*183.20*	
		For Horizontal No Hub Cast Long Barrel, Add	*312.95*	
		For Carrier For Wide Chase Installations, Add	*830.08*	
		For Special Duty 1,000 Lb. Carrier, Add	*1,021.96*	

22 42 13 13-0058 Hub And Spigot, Water Closet Carriers *(22 42 13 13-0046)*

Note: Includes coated cast iron construction, ABS extension with integral test cap, plated hardware and neoprene fixture gasket. Includes buttress feet or pylon feet and anchor foot.

22 42 13 13-0059	EA	Vertical Close With Offset, Hub And Spigot, Single Water Closet Carrier	1,073.02	56.91
		For Positioning Frame, Add	*66.47*	
		For Supply Pipe Support, Add	*68.08*	
		For Vandal Proof Trim, Add	*91.60*	
		For Hanger Type Closet Adapter, Add	*229.78*	
		For Auxiliary Inlet, Add	*289.99*	
22 42 13 13-0060	EA	Vertical Close On Stack, Hub And Spigot, Single Water Closet Carrier	1,173.53	56.91
		For Positioning Frame, Add	*66.47*	
		For Supply Pipe Support, Add	*68.08*	
		For Vandal Proof Trim, Add	*91.60*	
		For Auxiliary Inlet, Add	*289.99*	
		For Special Duty 500 Lb. Carrier, Add	*510.97*	
22 42 13 13-0061	EA	Vertical Adjustable On Stack, Hub And Spigot, Single Water Closet Carrier	1,488.46	56.91
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-107.63*	
		For Positioning Frame, Add	*66.47*	
		For Supply Pipe Support, Add	*68.08*	
		For Vandal Proof Trim, Add	*91.60*	
		For 4" Branch, Add	*232.57*	
		For Auxiliary Inlet, Add	*289.99*	
		For Carrier For Wide Chase Installations, Add	*390.79*	
		For Double 4" Branches, Add	*466.72*	
		For Special Duty 1,000 Lb. Carrier, Add	*510.98*	
22 42 13 13-0062	EA	Vertical Close With Offset, Hub And Spigot, Double Water Closet (Back To Back) Carrier	1,794.19	83.53
		For Positioning Frame, Add	*141.02*	
		For Supply Pipe Support, Add	*144.25*	
		For Vandal Proof Trim, Add	*183.20*	
		For Auxiliary Inlet, Add	*306.16*	
		For Hanger Type Closet Adapter, Add	*459.55*	
22 42 13 13-0063	EA	Vertical Adjustable On Stack, Hub And Spigot, Double Water Closet (Back To Back) Carrier	2,539.82	83.53
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-215.28*	
		For Positioning Frame, Add	*141.02*	
		For Supply Pipe Support, Add	*144.25*	
		For Vandal Proof Trim, Add	*183.20*	
		For 4" Branch, Add	*240.65*	
		For Auxiliary Inlet, Add	*306.16*	
		For Double 4" Branches, Add	*482.89*	
		For Carrier For Wide Chase Installations, Add	*830.08*	
		For Special Duty 1,000 Lb. Carrier, Add	*1,021.96*	

22 42 13 13-0064 Floor Mount Polyvinyl Chloride (PVC) Adaptor Type, Water Closet Carriers

(22 42 13 13-0046)

Note: Includes coated cast iron construction, plastic fitting adaptor with extension and plated hardware.

22 42 13 13-0065	EA	Vertical On Stack, Floor Mount Polyvinyl Chloride (PVC) Adaptor Type, Single Water Closet Carrier	892.33	56.91
		For Positioning Frame, Add	*66.47*	
		For Supply Pipe Support, Add	*68.08*	
		For Vandal Proof Trim, Add	*91.60*	
		For Hanger Type Closet Adapter, Add	*229.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 13-0066		**Institutional Water Closet Carriers** *(22 42 13 13-0046)* Note: Includes coated cast iron construction, ABS extension with integral test cap, buttress feet, plated hardware and neoprene fixture gasket.		
22 42 13 13-0067	EA	Vertical On Stack, No-Hub, 90 Degree Institutional, Double Waste Fitting With Vent And Carrier, Water Closet Carrier	3,285.40	83.53
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-215.28*	
		For Positioning Frame, Add	*141.02*	
		For Supply Pipe Support, Add	*144.25*	
		For Vandal Proof Trim, Add	*183.20*	
		For Auxiliary Inlet, Add	*306.16*	
22 42 13 13-0068		**Removal And Reinstallation Of Fixtures And Trim** *(22 42 13 13)* Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 13 13-0069	EA	Removal And Reinstallation Of Wall Hung Water Closet With Tank	492.60	
22 42 13 13-0070	EA	Removal And Reinstallation Of Wall Hung Water Closet With Flush Valve	492.60	
22 42 13 13-0071	EA	Removal And Reinstallation Of Floor Mount Water Closet With Tank	378.82	
22 42 13 13-0072	EA	Removal And Reinstallation Of Floor Mount Water Closet With Flush Valve	378.82	
22 42 13 16		**Commercial Urinals** *(22 42 13)*		
22 42 13 16-0001		**Vitreous China Urinals** *(22 42 13 16)* Note: Excludes flush valve unless indicated otherwise.		
22 42 13 16-0002		**Wall Hung Urinals** *(22 42 13 16-0001)*		
22 42 13 16-0003	EA	Wall Hung Washout, Vitreous China Urinal (American Standard Maybrook™)	593.92	115.34
22 42 13 16-0004	EA	Wall Hung, Washout, Vitreous China Urinal With Top Spud (American Standard Washbrook®)	719.61	115.34
22 42 13 16-0005	EA	Wall Hung, Washout, Vitreous China Urinal With Back Spud (American Standard Washbrook®)	745.89	115.34
22 42 13 16-0006	EA	Wall Hung, Blowout, Vitreous China Urinal (American Standard Lynbrook™)	784.50	115.34
22 42 13 16-0007	EA	Wall Hung Siphon Jet, Vitreous China Urinal (American Standard Trimbrook™)	717.56	115.34
22 42 13 16-0008	EA	Wall Hung, Siphon Jet, Vitreous China Urinal (American Standard Allbrook™)	611.47	115.34
22 42 13 16-0009	EA	Wall Hung, Washout, Vitreous China Urinal (Toto® UT447E Or UT447EV)	736.02	115.34
22 42 13 16-0010	EA	Wall Hung, Washout, Vitreous China Urinal (Toto® UT104E Or UT104EV)	634.45	115.34
22 42 13 16-0011	EA	Wall Hung, Washout, Vitreous China Urinal (Zurn Z5798)	683.81	115.34
22 42 13 16-0012	EA	Wall Hung, Washout, 0.125 To 0.5 GPF, HEU, Vitreous China Urinal (Sloan SU-1009-A)	627.19	115.34
22 42 13 16-0013	EA	Wall Hung, Washout, 1.0 GPF, HEU, Vitreous China Urinal (Sloan SU-1006-A)	625.04	115.34
22 42 13 16-0014		**Floor Mounted Urinals** *(22 42 13 16-0001)*		
22 42 13 16-0015	EA	Washout, Floor Mounted, Vitreous China Urinal (American Standard Stallbrook™)	988.45	145.51
22 42 13 16-0016	EA	Washout, Floor Mounted, Vitreous China Urinal (Kohler® Branham™)	1,097.84	145.51
22 42 13 16-0017	EA	Floor Mounted Urinal Seam Cover For 21" Centers (Kohler® K-4931)	311.71	26.95
22 42 13 16-0018	EA	Floor Mounted Urinal Seam Cover For 24" Centers (Kohler® K-4932)	353.68	26.95
22 42 13 16-0019		**Waterfree Urinals** *(22 42 13 16-0001)*		
22 42 13 16-0020	EA	Waterfree, Wall Hung, Vitreous China Urinal (American Standard Large FloWise® Flush-Free)	647.21	80.85
		For Colored Fixtures, Add	*66.90*	
		For >1, Deduct	*-43.06*	
22 42 13 16-0021	EA	Waterfree, Wall Hung, Vitreous China Urinal (SLOAN WES-1000)	1,246.05	80.85
		For Colored Fixtures, Add	*66.90*	
		For >1, Deduct	*-111.33*	
22 42 13 16-0022	EA	Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-2000)	1,072.61	80.85
		For Colored Fixtures, Add	*66.90*	
		For >1, Deduct	*-91.56*	
22 42 13 16-0023	EA	Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-4000)	821.69	80.85
		For Colored Fixtures, Add	*66.90*	
		For >1, Deduct	*-62.95*	
22 42 13 16-0024	EA	Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-5000)	821.69	80.85
		For Colored Fixtures, Add	*66.90*	
		For >1, Deduct	*-62.95*	
22 42 13 16-0025	EA	Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-7000)	1,019.03	80.85
		For Colored Fixtures, Add	*66.90*	
		For >1, Deduct	*-85.45*	
22 42 13 16-0026	EA	Waterfree, Wall Hung, Stainless Steel Urinal (Falcon F-9000)	1,546.22	80.85
		For >1, Deduct	*-145.55*	
22 42 13 16-0027		**Stainless Steel Urinals** *(22 42 13 16)*		
22 42 13 16-0028	EA	Wall Hung Urinal, Stainless Steel, Blowout Jet (Acorn 2160-T-1)	2,654.87	242.53
22 42 13 16-0029	EA	5' Wall Hung Trough Urinal, Stainless Steel With Strainer And Washdown Pipe (Elkay EU6014C)	3,430.07	296.43
22 42 13 16-0030		**Urinal Carriers** *(22 42 13 16)*		
22 42 13 16-0031		**Floor Mounted, Urinal Carriers** *(22 42 13 16-0030)* Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 42 13 16-0032	EA	Floor Mounted Hanger Plate Type, Single Urinal Carrier	597.71	40.96
		For Up To 4" Extension Sleeves And Hardware, Add	*33.74*	
22 42 13 16-0033	EA	Floor Mounted Bearing Plate Type, Single Urinal Carrier	711.53	40.96
		For Up To 4" Extension Sleeves And Hardware, Add	*33.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 16-0034		**Wall Mounted, Urinal Carriers** *(22 42 13 16-0030)* Note: Includes wall plate and adjustable supporting rods.		
22 42 13 16-0035	EA	Wall Mounted Hanger Plate Type, Single Urinal Carrier	269.65	40.96
		For Up To 6-1/2" Extension Sleeves And Hardware, Add	*33.74*	
22 42 13 16-0036		**Removal And Reinstallation Of Fixtures And Trim** *(22 42 13 16)* Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 13 16-0037	EA	Removal And Reinstallation Of Wall Hung Urinal With Flush Valve	491.05	
22 42 16		**Commercial Lavatories and Sinks** *(22 42)*		
22 42 16 13		**Commercial Lavatories** *(22 42 16)*		
22 42 16 13-0001		**Lavatories** *(22 42 16 13)* Note: Includes trap, drain and supply valves. Excludes faucets. See CSI section 22 42 39 00-0000 for faucets.		
22 42 16 13-0002		**Wall Hung Lavatories** *(22 42 16 13-0001)*		
22 42 16 13-0003	EA	19" x 17" Porcelain Enameled Cast Iron Wall Hung Lavatory (American Standard Regalyn™)	565.40	72.22
22 42 16 13-0004	EA	20" x 18" Porcelain Enameled Cast Iron Wall Hung Lavatory (American Standard Regalyn™)	592.21	72.22
22 42 16 13-0005	EA	22" x 19" Porcelain Enameled Cast Iron Wall Hung Lavatory (Kohler® Hampton™)	742.35	72.22
22 42 16 13-0006	EA	18" x 16" Vitreous China Wall Hung Lavatory (American Standard Penlyn™)	516.53	72.22
22 42 16 13-0007	EA	19" x 17" Vitreous China Wall Hung Lavatory (American Standard Declyn™)	441.63	72.22
22 42 16 13-0008	EA	20" x 18" Vitreous China Wall Hung Lavatory (Kohler® Soho®)	564.96	72.22
22 42 16 13-0009	EA	20" x 18" Vitreous China Wall Hung Lavatory (American Standard Roxalyn™)	529.14	72.22
22 42 16 13-0010	EA	20" x 18" Vitreous China Wall Hung Lavatory (American Standard Lucerne™)	463.71	72.22
22 42 16 13-0011	EA	27" x 20" Wheelchair Accessible, Vitreous China Wall Hung Lavatory (American Standard Wheel Chair Users)	670.26	72.22
22 42 16 13-0012		**Countertop Lavatories** *(22 42 16 13-0001)*		
22 42 16 13-0013	EA	20" x 18" Oval Vitreous China Countertop Lavatory (Kohler® Pennington®)	534.45	87.31
22 42 16 13-0014	EA	21" x 18" Vitreous China Countertop Lavatory (American Standard Cadet™ Oval)	546.71	87.31
22 42 16 13-0015	EA	19" x 16" Enameled Cast Iron Countertop Lavatory (Kohler® Farmington™)	580.85	87.31
22 42 16 13-0016	EA	19" x 16" Enameled Cast Iron Countertop Lavatory (Kohler® Ellington™)	617.26	87.31
22 42 16 13-0017	EA	24" x 18" Enameled Cast Iron Countertop Lavatory (Kohler® Thoreau®)	817.33	94.31
22 42 16 13-0018		**Undermount Lavatories** *(22 42 16 13-0001)*		
22 42 16 13-0019	EA	15" x 12" Vitreous China Undermount Lavatory (American Standard Ovalyn™)	488.90	87.31
22 42 16 13-0020	EA	17" x 14" Vitreous China Undermount Lavatory (American Standard Ovalyn™)	463.80	87.31
22 42 16 13-0021	EA	19" x 16" Vitreous China Undermount Lavatory (American Standard Ovalyn™)	463.80	87.31
22 42 16 13-0022	EA	21" x 17" Vitreous China Undermount Lavatory (American Standard Ovalyn™)	494.37	87.31
22 42 16 13-0023	EA	15" x 12" Oval Vitreous China Undermount Lavatory (Kohler® Caxton®)	479.07	87.31
22 42 16 13-0024	EA	17" x 14" Oval Vitreous China Undermount Lavatory (Kohler® Caxton®)	474.44	87.31
22 42 16 13-0025	EA	19" x 15" Oval Vitreous China Undermount Lavatory (Kohler® Caxton®)	479.15	87.31
22 42 16 13-0026	EA	18" x 12" Rectangular Vitreous China Undermount Lavatory (Kohler® Ladena®)	583.08	87.31
22 42 16 13-0027	EA	21" x 14" Rectangular Vitreous China Undermount Lavatory (Kohler® Ladena®)	583.08	87.31
22 42 16 13-0028		**Pedestal Lavatories** *(22 42 16 13-0001)*		
22 42 16 13-0029	EA	19" x 24" x 35" High Vitreous China Pedestal Sink (American Standard Cadet™)	654.62	207.49
22 42 16 13-0030		**Cultured Marble Vanity Tops** *(22 42 16 13-0001)* Note: Includes predrilled holes for faucet.		
22 42 16 13-0031	EA	25" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink	356.49	80.85
22 42 16 13-0032	EA	31" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink	405.16	86.23
22 42 16 13-0033	EA	37" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink	492.26	91.62
22 42 16 13-0034	EA	49" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink	681.61	97.01
22 42 16 13-0035	EA	25" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink	384.41	80.85
22 42 16 13-0036	EA	31" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink	413.03	86.23
22 42 16 13-0037	EA	37" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink	538.71	91.62
22 42 16 13-0038	EA	43" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink	588.81	94.31
22 42 16 13-0039	EA	49" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink	661.97	97.01
22 42 16 13-0040		**Quartz Vanity Tops** *(22 42 16 13-0001)* Note: Includes predrilled holes for faucet.		
22 42 16 13-0041	EA	25" x 22" Quartz Vanity Top With Integrated Backsplash And Sink	794.35	80.85
22 42 16 13-0042	EA	31" x 22" Quartz Vanity Top With Integrated Backsplash And Sink	829.64	86.23
22 42 16 13-0043	EA	37" x 22" Quartz Vanity Top With Integrated Backsplash And Sink	957.04	91.62
22 42 16 13-0044	EA	43" x 22" Quartz Vanity Top With Integrated Backsplash And Sink	964.10	94.31
22 42 16 13-0045	EA	49" x 22" Quartz Vanity Top With Integrated Backsplash And Sink	1,054.20	97.01
22 42 16 13-0046	EA	61" x 22" Quartz Vanity Top With Integrated Backsplash And Two Sinks	1,419.57	102.40
22 42 16 13-0047	EA	73" x 22" Quartz Vanity Top With Integrated Backsplash And Two Sinks	1,679.97	107.77
22 42 16 13-0048	EA	22" End Splash For Quartz Vanity Tops	46.57	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 13-0049		**Solid Surface Vanity Tops** *(22 42 16 13-0001)* Note: Includes predrilled holes for faucet.		
22 42 16 13-0050	EA	25" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	662.28	80.85
22 42 16 13-0051	EA	31" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	746.43	86.23
22 42 16 13-0052	EA	37" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	841.91	91.62
22 42 16 13-0053	EA	43" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	929.15	94.31
22 42 16 13-0054	EA	49" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	1,008.90	97.01
22 42 16 13-0055	EA	55" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	1,114.05	99.70
22 42 16 13-0056	EA	61" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	1,243.08	102.40
22 42 16 13-0057	EA	61" x 22" Solid Surface Vanity Top With Integrated Backsplash And Two Sinks	1,275.15	102.40
22 42 16 13-0058	EA	73" x 22" Solid Surface Vanity Top With Integrated Backsplash And Two Sinks	1,378.13	107.77
22 42 16 13-0059	EA	22" End Splash For Solid Surface Vanity Tops	69.08	
22 42 16 13-0060		**Solid Surface Multi-Station Lavatory Systems** *(22 42 16 13-0001)* Note: ADA compliant. Includes integral faucets.		
22 42 16 13-0061	EA	2 Station, Solid Surface Multi-Station Lavatory System With Integral Sprayheads And Infrared Controls (Bradley MG-2)	6,989.78	156.10
		For Integral Liquid Soap Dispenser, Add	*171.00*	
		For Integral Photovoltaic Power Panels, Add	*563.00*	
22 42 16 13-0062	EA	3 Station, Solid Surface Multi-Station Lavatory System With Integral Sprayheads And Infrared Controls (Bradley MG-3)	10,267.38	156.10
		For Integral Liquid Soap Dispenser, Add	*171.00*	
		For Integral Photovoltaic Power Panels, Add	*657.00*	
22 42 16 13-0063	EA	12" Length, Solid Surface Countertop Extension (Bradley MG-EXT-12)	465.85	52.03
22 42 16 13-0064	EA	18" Length, Solid Surface Countertop Extension (Bradley MG-EXT-18)	580.23	52.03
22 42 16 13-0065	EA	36" Length, Solid Surface Countertop Extension (Bradley MG-EXT-36)	1,162.80	52.03
22 42 16 13-0066		**Stainless Steel Lavatories** *(22 42 16 13-0001)*		
22 42 16 13-0067	EA	18" x 15" Wall Mounted Lavatory, Stainless Steel (Acorn 1950-1)	1,401.44	188.64
22 42 16 13-0068		**Lavatory Carriers** *(22 42 16 13)*		
22 42 16 13-0069		**Floor Mounted, Lavatory Carriers** *(22 42 16 13-0068)*		
22 42 16 13-0070		**Floor Mounted Plate Type, Lavatory Carriers** *(22 42 16 13-0069)* Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 42 16 13-0071	EA	Floor Mounted Hanger Plate Type, Single Lavatory Carrier	597.71	40.96
		For Up To 4" Extension Sleeves And Hardware, Add	*33.74*	
		For Valve Plate For Attaching To Upright, Add	*115.33*	
		For Corner Carrier, Add	*224.26*	
22 42 16 13-0072	EA	Floor Mounted Bearing Plate Type, Single Lavatory Carrier	711.53	40.96
		For Up To 4" Extension Sleeves And Hardware, Add	*33.74*	
		For Valve Plate For Attaching To Upright, Add	*115.33*	
22 42 16 13-0073	EA	Floor Mounted Hanger Plate Type, Double Lavatory (Back To Back) Carrier	819.19	40.96
		For Up To 4" Extension Sleeves And Hardware, Add	*67.48*	
		For Valve Plate For Attaching To Upright, Add	*230.67*	
22 42 16 13-0074	EA	Floor Mounted Bearing Plate Type, Double Lavatory (Back To Back) Carrier	942.92	40.96
		For Up To 4" Extension Sleeves And Hardware, Add	*67.48*	
		For Valve Plate For Attaching To Upright, Add	*230.67*	
22 42 16 13-0075		**Floor Mounted, Lavatory Carriers With Arms** *(22 42 16 13-0069)* Note: Includes leveling and securing screws, structural uprights and welded feet.		
22 42 16 13-0076	EA	Floor Mounted, Single Lavatory Carrier With Concealed Arms	771.04	48.50
		For Up To 6-1/2" Extension Sleeves And Hardware, Add	*33.74*	
		For Concealed Arm Carrier For Wheelchair Lavatory, Add	*46.60*	
		For Valve Plate For Attaching To Upright, Add	*117.49*	
		For 2" Chrome Plated Escutcheons, Add	*114.08*	
		For 4" Or 6" Chrome Plated Escutcheons, Add	*207.28*	
22 42 16 13-0077	EA	Floor Mounted, Single Lavatory Carrier With Exposed Acid Resistant White Coated Arms	1,136.40	48.50
		For Up To 4-1/2" Extension Sleeves And Hardware, Add	*33.74*	
		For Vandal Proof Trim, Add	*91.60*	
		For Valve Plate For Attaching To Upright, Add	*117.49*	
		For Heavy-Duty Carrier, Add	*117.29*	
22 42 16 13-0078	EA	Floor Mounted, Double Lavatory (Back To Back) Carrier With Concealed Arms	1,035.56	48.50
		For Up To 6-1/2" Extension Sleeves And Hardware, Add	*67.48*	
		For Concealed Arm Carrier For Wheelchair Lavatory, Add	*93.21*	
		For Valve Plate For Attaching To Upright, Add	*234.98*	
		For 2" Chrome Plated Escutcheons, Add	*228.16*	
		For 4" Or 6" Chrome Plated Escutcheons, Add	*414.56*	
22 42 16 13-0079	EA	Floor Mounted, Double Lavatory (Back To Back) Carrier With Exposed Acid Resistant White Coated Arms	1,700.40	48.50
		For Up To 4-1/2" Extension Sleeves And Hardware, Add	*67.48*	
		For Vandal Proof Trim, Add	*183.20*	
		For Valve Plate For Attaching To Upright, Add	*234.98*	
		For Heavy-Duty Carrier, Add	*234.59*	
22 42 16 13-0080		**Wall Mounted, Lavatory Carriers** *(22 42 16 13-0068)*		
22 42 16 13-0081		**Wall Mounted Plate Type, Lavatory Carriers** *(22 42 16 13-0080)* Note: Includes wall plate and adjustable supporting rods.		

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22 42 16 13-0082	EA	Wall Mounted Hanger Plate Type, Single Lavatory Carrier	269.65	40.96
		For Double Plate Carrier, Add	*86.24*	
22 42 16 13-0083		**Wall Mounted Plate Type, Lavatory Carriers With Arms** *(22 42 16 13-0080)*		
		Note: Includes wall plate and leveling and securing screws.		
22 42 16 13-0084	EA	Wall Mounted Fixed Steel Plate Type, Single Lavatory Carrier With Concealed Arms	466.35	48.50
		For Up To 4" Extension Sleeves And Hardware, Add	*33.74*	
		For 2" Chrome Plated Escutcheons, Add	*114.08*	
22 42 16 13-0085	EA	Wall Mounted Adjustable Plate Type, Single Lavatory Carrier With Concealed Arms	556.34	48.50
		For Movable Mounting Brackets, Deduct	*-86.76*	
		For Up To 4" Extension Sleeves And Hardware, Add	*33.74*	
		For 2" Chrome Plated Escutcheons, Add	*114.08*	
		For 4" Or 6" Chrome Plated Escutcheons, Add	*207.28*	
22 42 16 13-0086	EA	Wall Mounted Adjustable Plate Type, Single Lavatory Carrier With Exposed Acid Resistant White Coated Arms	834.32	48.50
		For Up To 4-1/2" Extension Sleeves And Hardware, Add	*33.74*	
		For Vandal Proof Trim, Add	*91.60*	
22 42 16 13-0087		**Removal And Reinstallation Of Lavatory And Trim** *(22 42 16 13)*		
		Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 16 13-0088	EA	Removal And Reinstallation Of Wall Hung Lavatory With Faucet	317.04	
22 42 16 16		**Commercial Sinks** *(22 42 16)*		
22 42 16 16-0001		**Sinks** *(22 42 16 16)*		
		Note: Includes drain, trap and supply valves. Excludes faucets. See CSI section 22 42 39 00-0000 for faucets.		
22 42 16 16-0002		**Kitchen Sinks** *(22 42 16 16-0001)*		
22 42 16 16-0003	EA	25" x 22" x 8-3/4" Enameled Cast Iron Kitchen Sink, Single Bowl (Kohler® Mayfield®)	701.46	101.32
22 42 16 16-0004	EA	22" x 33" x 9-5/8" Enameled Cast Iron Kitchen Sink, Double Bowl (Kohler® Brookfield®)	913.29	115.34
22 42 16 16-0005	EA	15" x 17" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR1517)	895.67	99.17
		For 18 Gauge, Add	*245.73*	
22 42 16 16-0006	EA	17" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR1722)	919.50	99.17
		For 18 Gauge, Add	*257.64*	
22 42 16 16-0007	EA	22" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR2222)	973.09	99.17
		For 18 Gauge, Add	*284.44*	
22 42 16 16-0008	EA	25" x 22" x 7-1/2" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR2522)	1,021.76	101.32
		For 18 Gauge, Add	*302.31*	
22 42 16 16-0009	EA	31" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR3122)	1,297.15	115.34
		For 18 Gauge, Add	*419.43*	
22 42 16 16-0010	EA	33" x 21" x 7-1/2" Stainless Steel Kitchen Sink, Double Bowl, 20 Gauge (Elkay PSR3321)	1,325.89	115.34
		For 18 Gauge, Add	*433.61*	
22 42 16 16-0011	EA	15" x 17" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR151710)	1,281.78	99.17
22 42 16 16-0012	EA	17" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR172210)	1,308.58	99.17
22 42 16 16-0013	EA	22" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR222210)	1,376.08	99.17
22 42 16 16-0014	EA	25" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR252210)	1,467.42	101.32
22 42 16 16-0015	EA	31" x 22" x 11-1/2" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR312210)	1,782.52	115.34
22 42 16 16-0016	EA	33" x 22" x 8" Stainless Steel Kitchen Sink, Double Bowl, 18 Gauge (Elkay LR3322)	1,706.04	115.34
22 42 16 16-0017		**Undermount Kitchen Sinks** *(22 42 16 16-0001)*		
22 42 16 16-0018	EA	21" x 15" x 7-1/2" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELU2115) With Strainer (Elkay LK99)	1,138.77	99.17
22 42 16 16-0019	EA	21" x 15" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELU211510) With Strainer (Elkay LK99)	1,135.88	99.17
22 42 16 16-0020	EA	21" x 15" x 7-1/2" Stainless Steel Kitchen Sink With Cutting Board, Single Bowl, 18 Gauge (Elkay ELUH2115) With Strainer (Elkay LK99)	1,148.70	99.17
22 42 16 16-0021	EA	21" x 15" x 10" Stainless Steel Kitchen Sink With Cutting Board, Single Bowl, 18 Gauge (Elkay ELUH211510) With Strainer (Elkay LK99)	1,216.19	99.17
22 42 16 16-0022	EA	21" x 15-3/4" x 4-3/8" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELUHAD2115) With Strainer (Elkay LK99)	1,173.51	99.17
		Note: Available in 4-1/2", 5, or 5-1/2" depths.		
22 42 16 16-0023	EA	25" x 20-1/2" x 7-7/8" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELUHF2520) With Strainer (Elkay LK99)	1,346.50	99.17
22 42 16 16-0024	EA	32" x 20-1/2" x 7-7/8" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELUHF3320) With Strainer (Elkay LK99)	1,605.14	99.17
22 42 16 16-0025	EA	21" x 18" x 5-1/2" Deep, Single Compartment Stainless Steel Sink, Undermount, 18 Gauge (Just Manufacturing Co. US-ADA-1821-A)	923.70	99.17
22 42 16 16-0026	EA	32" x 18" x 5-1/2" Deep, Two Compartment Stainless Steel Sink, Undermount, 18 Gauge (Just Manufacturing Co. UD-ADA-1832-A)	1,214.10	99.17
22 42 16 16-0027		**Multi-Station Wash Sink, Wall Mounted** *(22 42 16 16-0001)*		
		Note: Includes concealed wall hanger, soap dish(s), strainer, supply lines and P-Trap. Excludes faucets.		
22 42 16 16-0028	EA	36" Wide, 2 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™)	1,912.53	175.16
		Note: Excludes faucets.		
22 42 16 16-0029	EA	48" Wide, 2 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™)	2,537.40	188.64
		Note: Excludes faucets.		
22 42 16 16-0030	EA	60" Wide, 3 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™)	2,911.33	202.10
		Note: Excludes faucets.		
22 42 16 16-0031	EA	48" Wide, 2 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951)	2,389.56	134.74
		Note: Excludes faucets.		

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22 42 16 16-0032	EA	62" Wide, 3 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951) Note: Excludes faucets.	2,655.89	148.21
22 42 16 16-0033	EA	80" Wide, 4 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951) Note: Excludes faucets.	2,916.89	161.69
22 42 16 16-0034	EA	102" Wide, 5 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951) Note: Excludes faucets.	3,239.51	181.90
22 42 16 16-0035	EA	27" Diameter 2 Person Wash Fountain, Stainless Steel, Sensor Operated	3,148.25	296.43
22 42 16 16-0036		**Utility Or Laundry Sinks** *(22 42 16 16-0001)*		
22 42 16 16-0037	EA	23" x 21" Molded Stone Single Laundry Sink, Floor Mounted With Enamel Steel Legs (Fiat Products FL-1)	643.71	115.34
22 42 16 16-0038	EA	40" x 24" Molded Stone Double Laundry Sink, Floor Mounted With Enamel Steel Legs (Fiat Products FLTD-II)	741.38	115.34
22 42 16 16-0039	EA	22" x 17" Molded Stone Single Laundry Sink, Drop-In (Fiat Products DL1)	641.77	115.34
22 42 16 16-0040	EA	24" x 21" Enameled Cast Iron Single Laundry Sink, Floor Mounted With Metal Stand (Eljer 222-2210)	986.98	115.34
22 42 16 16-0041	EA	48" x 21" Enameled Cast Iron Double Laundry Sink, Floor Mounted With Metal Stand (Eljer 222-2220)	1,404.85	129.35
22 42 16 16-0042		**Refinish Sink/Lavatory** *(22 42 16 16-0001)*		
22 42 16 16-0043	EA	Refinish Sink/Lavatory	248.33	
22 42 16 16-0044		**Service Sinks** *(22 42 16 16-0001)*		
22 42 16 16-0045	EA	22" x 18" Enameled Cast Iron Wall Mount Service Sink With Stainless Steel Rim Guard, Trap Standard (American Standard Lakewell™)	1,089.89	173.55
22 42 16 16-0046	EA	24" x 20" Enameled Cast Iron Wall Mount Service Sink With Stainless Steel Rim Guard, Trap Standard (American Standard Akron™)	1,143.17	173.55
22 42 16 16-0047	EA	28" x 28" Enameled Cast Iron Floor Type Corner Service Sink With Removable Vinyl Coated Rim Guard (American Standard Florwell™)	1,358.94	229.59
22 42 16 16-0048	EA	12" x 12" x 10" Cast Iron Floor Sink With Dome Strainer And Full Grate (Zurn FD2377-PO3-F)	550.04	161.69
22 42 16 16-0049	EA	24" x 24" x 10" Plastic Composite Mop Service Sink With Combination Dome Strainer And Stainless Steel Lint Basket (Fiat Products MSB2424)	635.10	161.69
22 42 16 16-0050	EA	36" x 24" x 10" Plastic Composite Mop Service Sink With Combination Dome Strainer And Stainless Steel Lint Basket (Fiat Products MSB3624)	704.56	194.02
22 42 16 16-0051	EA	24" x 24" x 10" Molded Stone Mop Service Sink With Strainer (Swanstone MS-2424-010)	613.84	161.69
22 42 16 16-0052	EA	36" x 24" x 10" Molded Stone Mop Service Sink With Strainer (Swanstone MS-2436-010)	698.62	194.02
22 42 16 16-0053	EA	24" x 24" x 12" Terrazzo Mop Service Sink With Strainer (Acorn TSH-24)	1,004.39	161.69
22 42 16 16-0054	EA	36" x 24" x 12" Terrazzo Mop Service Sink With Strainer (Acorn TSH-3624)	1,240.59	194.02
22 42 16 16-0055		**Soapstone Sinks** *(22 42 16 16-0001)*		
22 42 16 16-0056	EA	26-1/2" x 18-1/2" x 7-3/4" Single Bowl Soapstone Sink	1,090.81	99.17
22 42 16 16-0057	SF	Soapstone Sink Backsplash	171.85	
22 42 16 16-0058	EA	30" x 18-1/2" x 10" Single Bowl Soapstone Sink	1,388.48	115.34
22 42 16 16-0059	EA	36" x 18-1/2" x 10" Double Bowl Soapstone Sink	1,622.84	115.34
22 42 16 16-0060		**Stainless Steel Sink And Drainboard** *(22 42 16 16-0001)*		
22 42 16 16-0061	EA	Stainless Steel Sink With One 24" x 24" x 14" Depth Compartment And Drain Board, 14 Gauge Stainless Steel With Tubular Adjustable Legs (Advance Tabco 94-41-24-24L)	4,399.81	269.48
22 42 16 16-0062		**Sink Carriers** *(22 42 16 16)*		
22 42 16 16-0063		**Floor Mounted, Sink Carriers** *(22 42 16 16-0062)* Note: With support plates, adjustable coupling with 4" piping connection, mounting studs, structural uprights, welded feet and chrome plated trim.		
22 42 16 16-0064	EA	Floor Mounted Heavy-Duty Support Plate Type, Single Sink Carrier With 4" Adjustable Coupling	879.58	40.96
		For Vandal Proof Trim, Add	*91.60*	
		For Valve Plate For Attaching To Upright, Add	*115.33*	
22 42 16 16-0065	EA	Floor Mounted Heavy-Duty Support Plate Type, Single Sink Carrier With 4" Adjustable Coupling And 4" x 2" Waste Fitting	1,514.94	40.96
		For Vandal Proof Trim, Add	*91.60*	
		For Auxiliary Vent, Add	*268.00*	
22 42 16 16-0066	EA	Floor Mounted Heavy-Duty Support Plate Type, Single Sink Carrier With Exposed Acid Resistant White Coated Arms	1,907.03	40.96
		For Up To 4" Extension Sleeves And Hardware, Add	*69.09*	
		For Vandal Proof Trim, Add	*91.60*	
22 42 16 16-0067		**Removal And Reinstallation Of Sink And Trim** *(22 42 16 16)* Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 16 16-0068	EA	Removal And Reinstallation Of Wall Hung Service Sink With Faucet	434.64	
22 42 19		**Commercial Bathtubs** *(22 42)*		
22 42 19 00-0001		**Recessed Alcove Bathtubs** *(22 42 19)*		
22 42 19 00-0002		**Porcelain Enameled Cast Iron, Recessed Alcove Bathtubs** *(22 42 19 00-0001)*		
22 42 19 00-0003	EA	54" x 30-1/4" x 14", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Seaforth™)	1,504.09	299.66
22 42 19 00-0004	EA	60" x 32" x 16-1/4", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Mendota®)	1,294.29	299.66
22 42 19 00-0005	EA	60" x 32" x 16-1/4", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Dynametric®)	1,509.36	299.66

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22 42 19 00-0006	EA	66" x 32" x 17", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Bellwether®)	1,931.31	299.66
22 42 19 00-0007		**Porcelain Enameled Steel, Recessed Alcove Bathtubs** *(22 42 19 00-0001)*		
22 42 19 00-0008	EA	60" x 30" x 14-1/4", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard New Salem®)	688.19	299.66
22 42 19 00-0009	EA	60" x 30" x 16-5/8", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard New Solar®)	703.21	299.66
22 42 19 00-0010		**Porcelain Finished Metal Alloy, Recessed Alcove Bathtubs** *(22 42 19 00-0001)*		
22 42 19 00-0011	EA	60" x 32" x 17-3/4", Porcelain Finished Metal Alloy, Recessed Alcove Bathtub (American Standard Cambridge™)	998.98	299.66
22 42 19 00-0012		**Acrylic, Recessed Alcove Bathtubs** *(22 42 19 00-0001)*		
22 42 19 00-0013	EA	60" x 32" x 19", Acrylic, Recessed Alcove Bathtub (Kohler® Archer®)	1,054.48	299.66
22 42 19 00-0014	EA	60" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®)	1,209.03	299.66
22 42 19 00-0015	EA	66" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®)	1,232.49	299.66
22 42 19 00-0016	EA	72" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®)	1,218.07	299.66
22 42 19 00-0017	EA	72" x 42" x 21", Acrylic, Recessed Alcove Bathtub (Kohler® Windward®)	1,269.94	299.66
22 42 19 00-0018		**Bathtub Refinishing** *(22 42 19 00-0001)*		
22 42 19 00-0019	EA	Refinish Porcelain Finished Bathtub With Acrylic Urethane Enamel	642.50	
22 42 19 00-0020		**Tub And Shower Combinations** *(22 42 19)*		
22 42 19 00-0021		**Acrylic Tub And Shower Combination** *(22 42 19 00-0020)*		
22 42 19 00-0022	EA	1 Piece, 60" x 32" x 72" Acrylic Tub And Shower (Delta 226032)	1,317.15	112.39
		For 2 Piece Enclosure, Deduct	*-285.98*	
22 42 19 00-0023		**Fiberglass Tub And Shower Combination** *(22 42 19 00-0020)*		
22 42 19 00-0024	EA	1 Piece 60" x 32" x 72" Fiberglass Tub And Shower (Aquatic 2603-SG)	864.31	112.39
22 42 19 00-0025	EA	2 Piece 60" x 30" x 72" Fiberglass Tub And Shower (Aquatic 2603-2P)	680.94	74.93
22 42 19 00-0026	EA	4 Piece 60" x 32" x 75-1/2" Fiberglass Tub And Shower (Aquatic 26030-4P)	1,366.41	169.63
22 42 19 00-0027	EA	3 Piece Tub/Shower Surrounds, 32" x 72" Side Walls, 48" x 72" Back, (Swanstone SK-324872)	3,567.33	351.18
		For 2 Piece Enclosure, Deduct	*-740.07*	
22 42 23		**Commercial Showers** *(22 42)*		
22 42 23 00-0001		**Shower Enclosures** *(22 42 23)*		
		Note: Includes precast concrete receptors. Excludes plumbing hook-up and door or curtain.		
22 42 23 00-0002		**Powder Coated Or Baked Enamel Steel Shower Enclosure** *(22 42 23 00-0001)*		
22 42 23 00-0003	EA	32" x 32" x 82" Baked Enamel Steel Shower Enclosure (General Partitions)	1,775.83	173.86
22 42 23 00-0004	EA	36" x 36" x 82" Baked Enamel Steel Shower Enclosure (General Partitions)	1,775.83	173.86
22 42 23 00-0005	EA	40" x 40" x 82" Baked Enamel Steel Shower Enclosure (General Partitions)	2,689.83	173.86
22 42 23 00-0006	EA	40" x 48" x 82" Handicapped, Baked Enamel Steel Shower Enclosure (General Partitions)	2,961.17	173.86
22 42 23 00-0007		**Solid Plastic Core High-Density Polymer (HDP) Shower Enclosure** *(22 42 23 00-0001)*		
22 42 23 00-0008	EA	32" x 32" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions)	2,932.61	173.86
22 42 23 00-0009	EA	36" x 36" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions)	2,932.61	173.86
22 42 23 00-0010	EA	40" x 40" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions)	4,217.92	173.86
22 42 23 00-0011	EA	40" x 48" x 82" Handicapped, Solid Plastic Shower Enclosure (General Partitions)	4,717.76	173.86
22 42 23 00-0012		**Composite Fiberglass Shower Enclosure, 4 Piece Knock-Down** *(22 42 23 00-0001)*		
22 42 23 00-0013	EA	32" x 32" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 3232CS)	1,484.65	173.86
22 42 23 00-0014	EA	36" x 36" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 3636CS)	1,526.83	173.86
22 42 23 00-0015	EA	34" x 48" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 4834CS)	1,569.02	173.86
22 42 23 00-0016	EA	30" x 60" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 6030CSL)	1,653.39	173.86
22 42 23 00-0017	EA	34" x 60" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 6034CS)	1,765.19	173.86
22 42 23 00-0018		**1 Piece Shower Units** *(22 42 23)*		
22 42 23 00-0019	EA	1 Piece, 32" x 32" x 73" Fiberglass Shower With Drain (Swanstone FS03232)	1,274.55	112.39
22 42 23 00-0020	EA	1 Piece, 36" x 36" x 73" Fiberglass Shower With Drain (Swanstone FS03636)	1,429.45	112.39
22 42 23 00-0021		**Personnel Type Shower Receptors** *(22 42 23)*		
22 42 23 00-0022		**Acrylic Shower Receptors** *(22 42 23 00-0021)*		
22 42 23 00-0023	EA	36" x 36" Acrylic Shower Receptor	462.96	43.90
22 42 23 00-0024	EA	42" x 42" Acrylic Shower Receptor	489.37	43.90
22 42 23 00-0025	EA	48" x 48" Acrylic Shower Receptor	542.10	43.90
22 42 23 00-0026	EA	60" x 60" Acrylic Shower Receptor	659.29	52.68
22 42 23 00-0027	EA	48" x 32" Acrylic Shower Receptor	464.20	43.90
22 42 23 00-0028	EA	48" x 36" Acrylic Shower Receptor	498.93	43.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 23 00-0029	EA	48" x 42" Acrylic Shower Receptor	563.54	43.90
22 42 23 00-0030	EA	60" x 32" Acrylic Shower Receptor	626.42	52.68
22 42 23 00-0031	EA	60" x 36" Acrylic Shower Receptor	630.89	52.68
22 42 23 00-0032	EA	60" x 42" Acrylic Shower Receptor	634.99	52.68
22 42 23 00-0033	EA	60" x 48" Acrylic Shower Receptor	699.19	52.68
22 42 23 00-0034	EA	36" x 36" Acrylic Corner Shower Receptor	674.63	43.90
22 42 23 00-0035	EA	42" x 42" Acrylic Corner Shower Receptor	774.30	43.90
22 42 23 00-0036		Molded Stone Shower Receptors *(22 42 23 00-0021)*		
22 42 23 00-0037	EA	32" x 32" Molded Stone Shower Receptor (Fiat 32WL)	309.40	43.90
22 42 23 00-0038	EA	34" x 34" Molded Stone Shower Receptor (Fiat 34WL)	324.30	43.90
22 42 23 00-0039	EA	36" x 36" Molded Stone Shower Receptor (Fiat 36WL)	325.96	43.90
22 42 23 00-0040	EA	42" x 42" Molded Stone Shower Receptor (Fiat 4242WL)	399.63	43.90
22 42 23 00-0041	EA	42" x 34" Molded Stone Shower Receptor (Fiat 42WL)	354.93	43.90
22 42 23 00-0042	EA	48" x 32" Molded Stone Shower Receptor (Fiat 4832WL)	375.63	43.90
22 42 23 00-0043	EA	48" x 34" Molded Stone Shower Receptor (Fiat 48WL)	378.11	43.90
22 42 23 00-0044	EA	54" x 34" Molded Stone Shower Receptor (Fiat 54WL)	438.01	52.68
22 42 23 00-0045	EA	60" x 34" Molded Stone Shower Receptor (Fiat 60WL)	453.74	52.68
22 42 23 00-0046	EA	36" x 36" Molded Stone Corner Shower Receptor (Fiat 36WLC)	359.07	43.90
22 42 23 00-0047	EA	38" x 38" Molded Stone Corner Shower Receptor (Fiat 38WLC)	368.18	43.90
22 42 23 00-0048		Precast Terrazzo Shower Receptors *(22 42 23 00-0021)*		
22 42 23 00-0049	EA	30" x 30" Precast Terrazzo Shower Receptor	579.27	43.90
22 42 23 00-0050	EA	32" x 32" Precast Terrazzo Shower Receptor	601.62	43.90
22 42 23 00-0051	EA	34" x 34" Precast Terrazzo Shower Receptor	622.32	43.90
22 42 23 00-0052	EA	36" x 36" Precast Terrazzo Shower Receptor	624.80	43.90
22 42 23 00-0053	EA	40" x 40" Precast Terrazzo Shower Receptor	683.58	43.90
22 42 23 00-0054	EA	42" x 42" Precast Terrazzo Shower Receptor	713.38	43.90
22 42 23 00-0055	EA	48" x 48" Precast Terrazzo Shower Receptor	1,001.46	43.90
22 42 23 00-0056	EA	36" x 32" Precast Terrazzo Shower Receptor	617.35	43.90
22 42 23 00-0057	EA	42" x 32" Precast Terrazzo Shower Receptor	629.22	43.90
22 42 23 00-0058	EA	42" x 34" Precast Terrazzo Shower Receptor	650.46	43.90
22 42 23 00-0059	EA	42" x 36" Precast Terrazzo Shower Receptor	676.95	43.90
22 42 23 00-0060	EA	32" x 48" Precast Terrazzo Shower Receptor	679.44	43.90
22 42 23 00-0061	EA	48" x 34" Precast Terrazzo Shower Receptor	713.38	43.90
22 42 23 00-0062	EA	54" x 32" Precast Terrazzo Shower Receptor	747.32	43.90
22 42 23 00-0063	EA	60" x 30" Precast Terrazzo Shower Receptor	1,009.73	52.68
22 42 23 00-0064	EA	60" x 32" Precast Terrazzo Shower Receptor	1,103.66	52.68
22 42 23 00-0065	EA	60" x 34" Precast Terrazzo Shower Receptor	1,108.27	52.68
22 42 23 00-0066	EA	60" x 36" Precast Terrazzo Shower Receptor	1,112.85	52.68
22 42 23 00-0067	EA	32" x 32" Precast Terrazzo Corner Shower Receptor	628.11	43.90
22 42 23 00-0068	EA	34" x 34" Precast Terrazzo Corner Shower Receptor	629.22	43.90
22 42 23 00-0069	EA	36" x 36" Precast Terrazzo Corner Shower Receptor	631.42	43.90
22 42 23 00-0070	EA	40" x 40" Precast Terrazzo Corner Shower Receptor	756.42	43.90
22 42 23 00-0071	EA	36" x 36", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor	1,373.15	43.90
22 42 23 00-0072	EA	60" x 30", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor	1,529.08	52.68
22 42 23 00-0073	EA	60" x 36", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor	1,593.65	52.68
22 42 23 00-0074		Shower Receptors Accessories *(22 42 23 00-0021)*		
22 42 23 00-0075	SF	Polyvinyl Chloride (PVC) Shower Pan Liner	3.90	
22 42 23 00-0076		Removal And Reinstallation Of Fixtures And Trim *(22 42 23)*		
		Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 23 00-0077	EA	Removal And Reinstallation Of Shower Head	52.68	
22 42 23 00-0078		Removal Of Tile Shower Floor With Lead Liner Pan *(22 42 23)*		
		See CSI section 01 74 19 00-0036 for landfill dump fee.		
22 42 23 00-0079	SF	Removal Of Tile Shower Floor With Lead Liner Pan	0.00	4.16

22 42 26 Commercial Disposers *(22 42)*

See CSI section 22 41 26 00-0001 for disposals.

22 42 33 Wash Fountains *(22 42)*

22 42 33 00-0001		Circular Wash Fountain, Deep Bowl *(22 42 33)*		
		Note: Includes trim and trap. 2" IPS waste outlets foot control/hand control operated.		
22 42 33 00-0002	EA	36" Stainless Steel Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2705F-A-LSD)	9,712.84	182.12
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0003	EA	36" Bradstone® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2805F-A-LSD)	4,999.17	182.12
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 33 00-0004	EA	36" Terreon® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3105AIRLSDE)	8,628.61	182.12
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0005	EA	54" Stainless Steel Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2708F-A-LSD)	12,384.82	208.13
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0006	EA	54" Bradstone® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2808F-A-LSD)	5,767.48	208.13
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0007	EA	54" Terreon® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3108AIRLSDE)	10,335.76	208.13
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	

22 42 33 00-0008 Semi-Circular Wash Fountain, Deep Bowl *(22 42 33)*

Note: Includes trim and trap. 2" IPS waste outlets foot control/hand control operated.

22 42 33 00-0009	EA	36" Stainless Steel Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2703F-A-LSD)	8,475.04	156.10
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0010	EA	36" Bradstone® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2803F-A-LSD)	4,561.23	156.10
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0011	EA	36" Terreon® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3103AIRLSDE)	6,547.58	156.10
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0012	EA	54" Stainless Steel Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2704F-A-LSD)	10,401.48	182.12
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0013	EA	54" Bradstone® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2804F-A-LSD)	5,502.01	182.12
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0014	EA	54" Terreon® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3104AIRLSDE)	7,787.83	182.12
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	

22 42 39 Commercial Faucets, Supplies, and Trim *(22 42)*

22 42 39 00-0001 Kitchen Faucets *(22 42 39)*

22 42 39 00-0002	EA	Top Cast Kitchen Faucet, Single Handle, Chrome Finish (Delta 140-DST)	223.13	53.90
22 42 39 00-0003	EA	Top Cast Kitchen Faucet With Spray, Single Handle, Chrome Finish (Delta 440-DST)	252.87	53.90
22 42 39 00-0004	EA	Top Cast Kitchen Faucet, Single Handle, Stainless Steel Finish (Delta 140-SS-DST)	213.41	53.90
22 42 39 00-0005	EA	Top Cast Kitchen Faucet With Spray, Single Handle, Stainless Steel Finish (Delta 440 -SS-DST)	241.21	53.90
22 42 39 00-0006	EA	Top Cast Kitchen Faucet, Two Handle, Chrome Finish, 8" Center, Lever Handles (Delta 2102LF-LHP+H24)	207.41	53.90
22 42 39 00-0007	EA	Top Cast Kitchen Faucet With Spray, Two Handle, Chrome Finish, 8" Center, Lever Handles (Delta 2402LF-LHP+H24)	228.37	53.90
22 42 39 00-0008	EA	Top Cast Kitchen Faucet, Two Handle, Chrome Finish, Center Gooseneck Faucet, Lever Handles (Delta 21987LF)	298.98	53.90
22 42 39 00-0009	EA	Top Cast Kitchen Faucet With Spray, Two Handle, Chrome Finish, Center Gooseneck Faucet, Lever Handles (Delta 21996LF)	210.37	53.90
22 42 39 00-0010	EA	Bottom Mount Kitchen Faucet, Single Handle, Chrome Finish (Delta 101LF-WF)	202.44	53.90
22 42 39 00-0011	EA	Bottom Mount Kitchen Faucet With Spray, Single Handle, Chrome Finish (Delta 175LF-WF)	241.21	53.90
22 42 39 00-0012	EA	Bottom Mount Kitchen Faucet, Two Handle, Chrome Finish, Gooseneck Faucet, Lever Handles (Delta 2274-LHP+H24)	420.82	53.90
22 42 39 00-0013	EA	Bottom Mount Kitchen Faucet With Spray, Two Handle, Chrome Finish, Gooseneck Faucet, Lever Handles (Delta 2276-LHP+H24)	462.46	53.90
22 42 39 00-0014	EA	Deck Mount Sink Faucet, 8" Center Set, Lever Handles (Chicago Faucet 1100 ABCP)	434.47	58.53
22 42 39 00-0015	EA	Deck Mount Sink Faucet, 8" Center Set, 4" Wristblade Handles (Chicago Faucet 1100-GN2AE3-317CP)	432.44	58.53
22 42 39 00-0016	EA	Deck Mount Gooseneck Sink Faucet, 4" Center Set, Blade Handles (Chicago Faucet 802-317CP)	320.40	58.53
22 42 39 00-0017	EA	Chrome Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041CR)	753.14	53.90
22 42 39 00-0018	EA	Brushed Nickel Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041NK)	955.21	53.90
22 42 39 00-0019	EA	Oil Rubbed Bronze Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041RB)	1,022.57	53.90
22 42 39 00-0020	EA	Chrome Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041CR)	753.14	53.90
22 42 39 00-0021	EA	Brushed Nickel Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041NK)	955.21	53.90
22 42 39 00-0022	EA	Oil Rubbed Bronze Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041RB)	1,022.57	53.90

22 42 39 00-0023 Lavatory Faucets *(22 42 39)*

22 42 39 00-0024	EA	Single Handle Centerset Lavatory Faucet, Polished Chrome Finish (Delta Lahara 538-MPU-DST)	275.21	38.80
22 42 39 00-0025	EA	4" Centerset Lavatory Faucet With Chrome Lever Handle (Delta 501LF-WF)	189.18	38.80
22 42 39 00-0026	EA	4" Classic Style Centerset Lavatory Faucet With Chrome Lever Handles (Delta 2523LF-MPU)	236.24	38.80
22 42 39 00-0027	EA	4" Centerset Lavatory Faucet With Chrome Lever Handles (Delta 2529LF-HDM)	259.71	38.80
22 42 39 00-0028	EA	Classic Style Widespread Lavatory Faucet With Chrome Lever Handles (Delta 3530LF-MPU)	320.32	38.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0029	EA	Widespread Lavatory Gooseneck Faucet With Chrome Lever Handles (Delta 3579LF-WFHDF)	374.15	38.80
22 42 39 00-0030	EA	Self Closing/Metered Faucet, Brass, Single Hole, Push Handle (Delta 86T104)	226.12	38.80
22 42 39 00-0031	EA	Self Closing/Metered Faucet, Double Hole, Push Handles (American Standard 1340.225.002)	347.29	38.80
22 42 39 00-0032	EA	Single Inlet, Push Handle Metering Faucet, ADA (Chicago Faucet 333-665)	248.63	38.80
22 42 39 00-0033	EA	3" Reach, 4-Arm Handle Single Basin Faucet (T&S Brass 0710)	254.53	38.80
22 42 39 00-0034	EA	3" Reach, Push Handle Self-Closing Valve, Single Basin Metering Faucet (T&S Brass 0712)	308.59	38.80
22 42 39 00-0035	EA	4" Reach, Push Handle Self-Closing Valve, Single Basin Metering Faucet (T&S Brass 0805)	302.20	38.80
22 42 39 00-0036	EA	4" Classic Style Centerset Lavatory Faucet With Chrome Lever Handles (Zurn Z81104)	245.81	38.80
22 42 39 00-0037		**Bath And Shower Faucets** *(22 42 39)*		
22 42 39 00-0038		**Bath And Shower Faucets With Valve Body** *(22 42 39 00-0037)*		
22 42 39 00-0039	EA	Single Lever Handle, Chrome Tub Filler, Pressure-Balance (American Standard T480 500)	253.30	46.78
22 42 39 00-0040	EA	Single Lever Handle, Chrome Shower Only, Pressure-Balance (American Standard T480.501)	297.69	46.78
22 42 39 00-0041	EA	Single Lever Handle, Chrome Shower And Tub Filler, Pressure-Balance (American Standard T480.502)	326.14	46.78
22 42 39 00-0042	EA	Two Lever Handle, Chrome Tub Filler (American Standard Colony Soft 3275.505)	233.96	46.78
		For Faucet With Metal Cross Handles, Add	*45.75*	
22 42 39 00-0043	EA	Two Lever Handle, Chrome Shower Only (American Standard Colony Soft 3275.501)	245.34	46.78
		For Faucet With Metal Cross Handles, Add	*45.75*	
22 42 39 00-0044	EA	Two Lever Handle, Chrome Shower And Tub Filler (American Standard Colony Soft 3275.502)	278.34	46.78
		For Faucet With Metal Cross Handles, Add	*45.75*	
22 42 39 00-0045	EA	Three Lever Handle, Chrome Shower And Tub Filler (American Standard Colony Soft 3375.502)	315.90	46.78
		For Faucet With Metal Cross Handles, Add	*45.75*	
22 42 39 00-0046		**Service Sink Faucets** *(22 42 39)*		
22 42 39 00-0047	EA	4-5/8" Spout With Vacuum Breaker, Wall Mount Service Sink Faucet With Lever Handles (Kohler® Kinlock™)	547.19	89.74
22 42 39 00-0048	EA	3" Spout, Wall Mount, Service Sink Faucet With Lever Handles (American Standard 8340.235)	388.54	89.74
22 42 39 00-0049	EA	3" Spout With Vacuum Breaker, Wall Mount Service Sink Faucet With Lever Handles (American Standard 8340.243)	419.26	89.74
22 42 39 00-0050	EA	6" Spout With Vacuum Breaker And Top Brace, Wall Mount Service Sink Faucet, Lever Handles (American Standard 8344.012)	435.20	89.74
22 42 39 00-0051	EA	7-1/4" Spout With Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8355.101)	567.63	125.79
22 42 39 00-0052	EA	7-1/4" Spout With Vacuum Break And Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8355.110)	635.54	143.36
22 42 39 00-0053	EA	11" Spout With Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8345.115)	735.69	143.36
22 42 39 00-0054	EA	Wall Mount Service Sink Faucet With Atmospheric Vacuum Breaker Spout, Lever Handles (Chicago Faucet 305-VBRCF)	431.84	89.74
22 42 39 00-0055	EA	44" Flexible Stainless Steel Hose With Insulated Handle, 23" Riser, Pre-Rinse Faucet (Chicago Faucet 923-XKCAB)	886.83	143.36
22 42 39 00-0056		**Laboratory Faucets And Fittings** *(22 42 39)*		
22 42 39 00-0057	EA	Cold Faucet, Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Laboratory Faucet (Chicago Faucet 927)	221.93	38.16
22 42 39 00-0058	EA	Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet (Chicago Faucet 929)	364.14	53.90
22 42 39 00-0059	EA	Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet With Vacuum Breaker (Chicago Faucet 930)	473.66	53.90
22 42 39 00-0060	EA	Cold Wall Mount, Gooseneck Spout With Aerator, Laboratory Faucet (Chicago Faucet 933)	289.44	50.33
22 42 39 00-0061	EA	6" Spout With Aerator, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 940)	392.94	71.79
22 42 39 00-0062	EA	6" Spout With Aerator And Vacuum Breaker, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 940-VBE7-CP)	535.73	71.79
22 42 39 00-0063	EA	Dual Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet (Chicago Faucet 946)	428.96	53.90
22 42 39 00-0064	EA	Gooseneck Spout With Aerator, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 942)	418.89	71.79
22 42 39 00-0065	EA	Single Control, Single Hole Deck Mount Sink Faucet (Chicago Faucet 350-CP)	274.98	41.44
22 42 39 00-0066	EA	Dual Control, Single Hole Deck Mount Sink Faucet (Chicago Faucet 50-CP)	387.37	58.53
22 42 39 00-0067	EA	4" Center Set, Deck Mount, Lavatory Faucet With Blade Handles (Chicago Faucet 802)	296.88	58.53
22 42 39 00-0068	EA	4" Center Set, Deck Mount, Gooseneck Sink Faucet With Blade Handles (Chicago Faucet 895-317ABCP)	364.04	58.53
22 42 39 00-0069	EA	Gas Ball Valve, Removable Nozzle, With Index Button (Chicago Faucet 909-AGVCP)	92.60	36.00
22 42 39 00-0070	EA	Dual Service Lab Fitting, Two Gas And One Water Outlet (Chicago Faucet 1332-CP)	595.12	64.68
22 42 39 00-0071	EA	Dual Service Lab Fitting With Wristblade Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-317CP)	767.63	64.68
22 42 39 00-0072	EA	Dual Service Lab Fitting With Metal Cross Handle, Inline Vacuum Breaker, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7-204CP)	924.80	64.68
22 42 39 00-0073	EA	Dual Service Lab Fitting With Plastic Cross Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7CP)	816.87	64.68
22 42 39 00-0074	EA	Dual Service Lab Fitting With Chemical Resistant Coating And Plastic Cross Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7SAM)	974.25	64.68
22 42 39 00-0075	EA	Single, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-131WSA)	162.19	35.57
22 42 39 00-0076	EA	90 Degree Double, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-132AWSA)	228.19	42.69
22 42 39 00-0077	EA	180 Degree Double, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-132SWSA)	228.19	42.69
22 42 39 00-0078	EA	Three Way, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-133WSA)	294.20	49.80
22 42 39 00-0079	EA	Four Way, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-134WSA)	360.20	56.91
22 42 39 00-0080		**Gooseneck Faucets With Independent Eyewash** *(22 42 39)*		
22 42 39 00-0081	EA	Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA)	932.18	40.42
22 42 39 00-0082	EA	Single Lever Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-SL)	1,011.70	37.72

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0083	EA	8" Stem, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-8)	1,307.59	40.42
22 42 39 00-0084	EA	Serrated Tip With Vacuum Breaker, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-ST)	1,381.49	40.42
22 42 39 00-0085	EA	Thermostatic Mixing Valve Kit For The SEF-1800 (Speakman SEF-TW)	1,682.38	26.95
22 42 39 00-0086	EA	Foot Pedal Activation, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-FP)	2,021.20	67.37
22 42 39 00-0087	EA	Thermostatic Mixing Valve Kit, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-TW)	2,827.38	67.37
22 42 39 00-0088	EA	8" Stem, Thermostatic Mixing Valve Kit, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-8TW)	2,921.43	67.37
22 42 39 00-0089	EA	Adjustable Aerated Outlet Heads, Gooseneck Faucet Mounted Eyewash (WaterSaver EW101)	328.21	40.97
22 42 39 00-0090	EA	Gooseneck Faucet Mounted Eyewash With Faucet Control Valve (WaterSaver EW200)	362.16	40.97
22 42 39 00-0091	EA	Gooseneck Faucet Mounted Eyewash With Faucet Control Valve (WaterSaver EW201)	391.81	40.97
22 42 39 00-0092	EA	6 Gallon Capacity, Tempering Valve (WaterSaver AP3600)	1,762.72	26.95
22 42 39 00-0093		**Bubblers And Glass Fillers** *(22 42 39)*		
22 42 39 00-0094	EA	Self-Closing Bubbler Faucet, Metering Handle (Chicago Faucet 748-665CP)	394.92	38.16
22 42 39 00-0095	EA	Wall Mount Glass Filler, 1/2" Flanged Female Inlet (Chicago Faucet 313-CP)	350.03	50.33
22 42 39 00-0096	EA	7" Overall Outlet Height, Deck Mount Glass Filler, 1/2" Flanged Female Inlet (Chicago Faucet 709-CP)	389.47	38.16
22 42 39 00-0097	EA	Wall Mount, Push Button Single Glass Filler (Chicago Faucet 324-CP)	236.96	54.67
22 42 39 00-0098	EA	Deck Mount, Lever Handle Drinking Faucet (Haws 5054LF)	462.65	41.44
22 42 39 00-0099	EA	Push Button Bubbler, 1/2" OD (Haws 5017LF)	468.91	41.44
22 42 39 00-0100	EA	Push Button Bubbler, 3/8" NPT (Haws 5010-6427)	389.81	41.44
22 42 39 00-0101		**Automatic Electronic Sensor Faucets** *(22 42 39)*		
22 42 39 00-0102	EA	Electronic Lavatory Faucet (American Standard 6055.205.002)	719.72	89.90
		For Faucet With Temperature Control, Add	*40.00*	
22 42 39 00-0103	EA	Electronic Lavatory Gooseneck Faucet (American Standard 6055.105.002)	726.55	89.90
		For Faucet With Temperature Control, Add	*40.00*	
22 42 39 00-0104	EA	Electronic Gooseneck Faucet (Chicago Faucet 116.103.AB.1)	976.69	97.62
22 42 39 00-0105	EA	Electronic Lavatory Faucet (Chicago Faucet 116.112.AB.1)	1,019.31	89.90
22 42 39 00-0106	EA	Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-30880)	1,517.44	97.62
22 42 39 00-0107	EA	Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-30880-BDT)	1,902.23	97.62
22 42 39 00-0108	EA	Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-35187)	1,776.05	97.62
22 42 39 00-0109	EA	Solar Powered, Electronic Lavatory Faucet With Integral Mixing Valve (Sloan Solis EAF-275-ISM)	1,237.42	89.90
22 42 39 00-0110	EA	Deck Mount, AC Power, Electronic Lavatory Faucet (T&S Brass EC1100)	1,067.79	89.90
22 42 39 00-0111	EA	Wall Mount, AC Power, Electronic Lavatory Faucet (T&S Brass EC1101)	1,128.64	89.90
22 42 39 00-0112	EA	Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC1102)	976.51	89.90
22 42 39 00-0113	EA	Deck Mount, DC Power, Electronic Lavatory Faucet (T&S Brass EC2100)	1,128.64	89.90
22 42 39 00-0114	EA	Deck Mount, DC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC2102)	984.98	89.90
22 42 39 00-0115	EA	Deck Mount, AC Power, Electronic Lavatory Gooseneck Faucet (T&S Brass EC3100)	984.98	89.90
22 42 39 00-0116	EA	Wall Mount, AC Power, Electronic Lavatory Gooseneck Faucet (T&S Brass EC3101)	1,110.09	89.90
22 42 39 00-0117	EA	Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC3102)	940.17	89.90
22 42 39 00-0118	EA	4" Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC3103)	901.78	89.90
22 42 39 00-0119	EA	Self-Generating EcoPower System, Single Supply Sensor Faucet, Standard Spout (Toto "Eco-Power" TEL3GKCN-60)	1,483.38	89.90
22 42 39 00-0120		**Singles** *(22 42 39)*		
22 42 39 00-0121	EA	Stainless Steel Single Deck Faucet With 6" Swivel/Rigid Gooseneck Spout And Lever Handles (Fisher 58130)	277.15	39.56
22 42 39 00-0122		**Other Trim** *(22 42 39)*		
22 42 39 00-0123	EA	Faucet Aerator, Male Thread 13/16" Male, 2 GPM (Delta RP330)	20.17	5.85
22 42 39 00-0124	EA	1-1/2" Pop-up Tailpiece (Chicago Faucet 226-ACP)	139.79	17.56
22 42 39 00-0125	EA	1-1/4" Grid Strainer Tailpiece (Chicago Faucet 327-XCP)	54.59	14.63
22 42 39 00-0126	EA	1-1/2" Grid Strainer Tailpiece (Chicago Faucet 327-X1-1/2TPCP)	124.98	14.63
22 42 39 00-0127	EA	Lavatory Drainline Guard And Shutoff Covers (IPS Truebro Lav Guard 102)	64.47	16.17
22 42 39 00-0128	EA	Soft Lavatory Drainline Guard And Shutoff Covers (IPS Truebro Soft-Guard Plus)	67.34	16.17
22 42 39 00-0129	EA	Lavatory Protective Enclosure (IPS Truebro Lav Shield)	166.02	16.17
22 42 39 00-0130	EA	36" Wide, Undersink Protective Enclosure (IPS Truebro Basin Guard)	202.94	16.17
22 42 39 00-0131	EA	42" Wide, Undersink Protective Enclosure (IPS Truebro Basin Guard)	229.76	16.17
22 42 39 00-0132	EA	1/2" NPT x 3/8" Compression Chrome, Quarter Turn Angle Stop (SharkBite 23036)	40.19	11.32
22 42 39 00-0133	EA	1/2" NPT x 3/8" Compression Chrome, Quarter Turn Straight Stop (SharkBite 23037)	40.19	11.32
22 42 39 00-0134	EA	1/2" NPT x 3/8" Compression Chrome, Quarter Turn Dual Angle Stop (SharkBite 25558)	56.19	11.32
22 42 39 00-0135	PR	Pair of 16" Long, 3/8" OD x 1/2" IPS, Stainless Steel Braided Sink Supply Line	37.87	12.43
22 42 39 00-0136	EA	12" Long, 3/8" OD x 7/8" BC, Stainless Steel Braided Toilet Supply Line	23.63	7.32
22 42 39 00-0137	EA	12" Long, 1/2" OD x 7/8" BC, Stainless Steel Braided Toilet Supply Line	24.35	7.32
22 42 39 00-0138	PR	Pair of 60" Long, 3/4" FIP x 3/4" FIP, Stainless Steel Braided Washer Supply Line	65.55	12.43
22 42 39 00-0139		**Shower Valves And Trim** *(22 42 39)*		
		See CSI section 22 41 39 00-0011 for residential shower valves and heads.		
22 42 39 00-0140	EA	Removable Hand Held Shower With Hose Wall Hook And Inline Vacuum Breaker (Powers 141-318 with 141-319)	406.51	72.76
22 42 39 00-0141	EA	Concealed Thermostatic/Pressure Balancing Control Valve With Chrome Plated Shower Head (Chicago Faucet 2502-600CP)	927.41	72.76
22 42 39 00-0142	EA	Concealed Pressure Balancing Control Valve With Chrome Plated Shower Head (Chicago Faucet 1762-ISCP)	640.46	72.76
22 42 39 00-0143	EA	Senior Institutional Shower Head (Symmons® 4-150)	246.19	46.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0144	EA	Universal Institutional Shower Head (Symmons® 4-151)	415.65	46.78
22 42 39 00-0145	EA	Fre-Flo Institutional Shower Head (Symmons® 4-295)	290.80	46.78
22 42 39 00-0146	EA	Fre-Flo Institutional Shower Head With Short Arm (Symmons® 4-385)	217.74	46.78
22 42 39 00-0147	EA	Wall Mounted Shower Valve And Slide Bar, Single Lever Concealed Mixer (Symmons® 96-300-B30-V-X)	929.79	70.07
22 42 39 00-0148	EA	Wall Mounted Shower Valve, Tub Faucet, And Slide Bar, Single Lever Concealed Mixer (Symmons® 96-400-B30-V-X)	759.05	80.85
22 42 39 00-0149	EA	Wall Mounted Shower Valve, Slide Bar And Head, Single Lever Concealed Mixer (Symmons® 96-500-B30-V-X)	1,006.36	80.85
22 42 39 00-0150	EA	Wall Mounted Shower Valve, Tub Faucet, Slide Bar And Head, Single Lever Concealed Mixer (Symmons® 96-600-B30-V-X)	1,421.42	86.23
22 42 39 00-0151	EA	Stainless Steel Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Soap Dish, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-801S/1-802S)	1,291.17	72.76
		For Hand Spray, Hose And Wall Hooks, Add	*106.44*	
		For Recessed Soap Dish, Add	*108.12*	
		For Hand Spray, Hose And 30" Slide Bar, Add	*165.51*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0152	EA	Stainless Steel Corner Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Soap Dish, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-807)	1,538.13	72.76
		For Hand Spray, Hose And Wall Hooks, Add	*106.44*	
		For Recessed Soap Dish, Add	*108.12*	
		For Hand Spray, Hose And 30" Slide Bar, Add	*165.51*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0153	EA	Stainless Steel Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S)	1,042.21	72.76
		For Hand Spray, Hose And Wall Hooks, Add	*19.32*	
		For Hand Spray, Hose And 30" Slide Bar, Add	*78.39*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0154	EA	Stainless Steel Institutional Shower System With Flat Wall Recessed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-911RS)	1,581.55	72.76
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0155	EA	Stainless Steel Double Outlet Institutional Shower System With Thru-Ceiling Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-902S-FS)	1,697.81	72.76
		For Hand Spray, Hose And 30" Slide Bar, Add	*59.07*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0156	EA	Stainless Steel Institutional Triple Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Heads, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-931)	3,145.86	72.76
		For Recessed Soap Dish, Add	*83.94*	
		For Pressure Balance And Metering Combination, Add	*227.79*	
22 42 39 00-0157	EA	Stainless Steel Institutional Double Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Heads, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-921)	2,745.99	72.76
		For Recessed Soap Dish, Add	*83.94*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0158	EA	Stainless Steel Tub And Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-941-231)	1,370.36	72.76
22 42 39 00-0159	EA	Stainless Steel Double Outlet Institutional Shower System With Flat Wall Recessed Piping Covering, Vandal Resistant Adjustable Shower Head, Hand Spray, Hose, Wall Hooks, Soap Dish And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-912RS-FS)	2,112.19	72.76
		For Hand Spray, Hose And 30" Slide Bar, Add	*59.07*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0160	EA	Stainless Steel Single Supply Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S-60)	1,368.50	72.76
22 42 39 00-0161	EA	Stainless Steel Single Supply Single Outlet Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S-22-FS)	1,364.40	72.76
		For Hand Spray, Hose And 30" Slide Bar, Add	*59.07*	
22 42 39 00-0162	EA	Single Lever Handle, Chrome, Pressure-Balance, Shower System (Symmons SafetyMix 1-100-X-3/4)	1,007.97	64.68
22 42 39 00-0163	EA	Single Lever Handle, Chrome, Pressure-Balance, Shower Valve (Symmons SafetyMix 4-500)	780.30	46.78

22 42 39 00-0164 Removal And Reinstallation Of Fixtures And Trim *(22 42 39)*

Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.

22 42 39 00-0165	EA	Removal And Reinstallation Of Faucet	93.64	

22 42 43 Flushometers *(22 42)*

22 42 43 00-0001 Water Closet Flush Valves *(22 42 43)*

22 42 43 00-0002	EA	Exposed Manual Water Closet Flush Valve (Sloan Regal-115XL)	330.87	36.76
22 42 43 00-0003	EA	Exposed Manual Water Closet Flush Valve (Sloan Regal-113-1.6)	320.15	36.76
22 42 43 00-0004	EA	Exposed Manual Water Closet Flush Valve (Sloan Regal-110 Or 111)	373.97	36.76
22 42 43 00-0005	EA	Back Spud, Concealed Manual Water Closet Flush Valve (Sloan Royal-140)	516.61	36.76
22 42 43 00-0006	EA	Top Spud, Concealed Nanual Water Closet Flush Valve (Sloan Royal-142)	577.09	36.76
22 42 43 00-0007	EA	Exposed Infrared Water Closet Flush Valve (Sloan Royal 115-1.6 ES-S)	1,073.66	36.76
22 42 43 00-0008	EA	Concealed Infrared Water Closet Flush Valve, Back Spud (Sloan Royal-140 ES-S)	1,069.76	36.76
22 42 43 00-0009	EA	Concealed Infrared Water Closet Flush Valve, Top Spud (Sloan Royal-153-1.6-ES-S)	1,130.77	36.76
22 42 43 00-0010	EA	Exposed Battery Powered Water Closet Flush Valve (Sloan G2 Optima Plus 8113)	1,048.86	36.76
22 42 43 00-0011	EA	Dual Flush Water Closet Flush Valve (Sloan Uppercut WES-115) Note: "Green". 1.6 Gallons or 1.1 Gallons per flush. Includes instructional placards on proper operation.	454.91	36.76
22 42 43 00-0012	EA	Exposed Battery Powered Water Closet Flush Valve (Sloan G2 Optima Plus 8110)	831.73	36.76
22 42 43 00-0013	EA	Side Mount Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan Optima EBV-89A)	452.83	36.76

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 43 00-0014	EA	Side Mount Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Technical Concepts 40118X)	450.61	36.76
22 42 43 00-0015	EA	Slide Over Handle Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan Optima Smooth EBV-200A)	460.05	32.33
22 42 43 00-0016	EA	Slide Over Handle Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Technical Concepts 40180X)	501.16	32.33
22 42 43 00-0017	EA	1.28 GPF, Exposed Infrared Water Closet Flush Valve (Toto EcoPower TET1LN)	1,089.43	36.76
22 42 43 00-0018	EA	Exposed Infrared Water Closet Flush Valve (1-1/2" V.B.) 1.28 GPF (Toto EcoPower TET1LN32)	1,195.75	36.76
22 42 43 00-0019	EA	1.28 GPF, Back Spud, Concealed Infrared Water Closet Flush Valve (Toto EcoPower TET2LN31 Or TET3LN31)	1,521.66	36.76
22 42 43 00-0020	EA	1.28 GPF, Top Spud, Concealed Infrared Water Closet Flush Valve (Toto EcoPower TET2LN32 Or TET3LN32)	1,521.66	36.76
22 42 43 00-0021	EA	Exposed Manual Water Closet Flush Valve (Zurn Z6000AV)	282.93	36.76
22 42 43 00-0022	EA	Exposed Infrared Water Closet Flush Valve (Zurn ZEMS6000AV-HET-IS)	983.37	36.76
22 42 43 00-0023	EA	Exposed Infrared Water Closet Flush Valve (Zurn ZTS6200EV)	975.00	36.76
22 42 43 00-0024	EA	Slide Over Handle AC Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan EL-600-A)	483.13	32.33
22 42 43 00-0025	EA	6 Volt DC, 120 Volt AC Hardwired Power Transformer (Sloan EL-451)	150.39	6.31
22 42 43 00-0026	EA	Exposed Solar/Battery Powered Water Closet Flush Valve (Sloan Solis 8111-1.28)	556.13	36.76
22 42 43 00-0027	EA	Exposed Manual Water Closet Flush Valve (Zurn Z6000AV-HET)	357.03	36.76
22 42 43 00-0028	EA	Exposed Battery Powered Water Closet Flush Valve (Zurn ZER6000AV-HET)	996.79	36.76
22 42 43 00-0029		**Urinal Flush Valves** *(22 42 43)*		
22 42 43 00-0030	EA	3/4" Top Spud, Exposed Manual Urinal Flush Valve (Sloan Regal 186 XL) Note: 0.5, 1.0 or 1.5 GPF.	279.33	36.76
22 42 43 00-0031	EA	1-1/4" Top Spud, Exposed Manual Urinal Flush Valve (Sloan Regal 180) Note: 1.0, 1.5 or 3.5 GPF.	301.89	36.76
22 42 43 00-0032	EA	Back Spud, Concealed Manual Urinal Flush Valve (Sloan Royal 195) Note: 1.0 or 1.5 GPF.	409.65	36.76
22 42 43 00-0033	EA	Top Spud, Concealed Manual Urinal Flush Valve (Sloan Royal 197) Note: 1.0 or 1.5 GPF.	498.42	36.76
22 42 43 00-0034	EA	Exposed Infrared Urinal Flush Valve (Sloan Royal 186-ES-S) Note: 1.0 or 1.5 GPF.	791.04	36.76
22 42 43 00-0035	EA	Back Spud, Concealed Infrared Urinal Flush Valve (Sloan Royal 195-WB-ES-S) Note: 0.5, 1.0 or 1.5 GPF.	1,067.27	36.76
22 42 43 00-0036	EA	Top Spud, Concealed Infrared Urinal Flush Valve (Sloan Royal 197-WB-ES-S) Note: 0.5, 1.0 or 1.5 GPF.	1,198.84	36.76
22 42 43 00-0037	EA	Top Spud, Exposed Battery Powered Urinal Flush Valve (Sloan G2 Opt+8186-1) Note: 1.0 GPF.	777.84	36.76
22 42 43 00-0038	EA	Exposed Infrared Urinal Flush Valve (3/4" V.B.) (Toto EcoPower TEU1LN12) Note: 0.5 GPF.	1,188.90	36.76
22 42 43 00-0039	EA	3/4" Top Spud, Exposed Manual Urinal Flush Valve (Zurn Z6003AV) Note: 0.5, 1.0 or 1.5 GPF.	336.45	36.76
22 42 43 00-0040	EA	Top Spud, Exposed Solar/Battery Powered Urinal Flush Valve (Sloan Solis 8186-0.13) Note: 0.13 GPF.	502.24	36.76
22 42 43 00-0041	EA	3/4" Top Spud, Exposed Manual Urinal Flush Valve (Zurn Z6003AV-ULF) Note: 0.125 GPF.	321.67	36.76
22 42 43 00-0042	EA	Top Spud, Exposed Battery Powered Urinal Flush Valve (Zurn ZTR6203-ULF) Note: 0.125 GPF.	839.85	36.76
22 42 43 00-0043	EA	Exposed Infrared Urinal Flush Valve (Zurn ZEMS6003AV-ULF-IS) Note: 0.125 GPF.	842.83	36.76
22 42 43 00-0044		**Plumbing Control Transformers** *(22 42 43)*		
22 42 43 00-0045	EA	6 Volt DC, 120 Volt AC Plug In Style Power Transformer (Zurn P6000-PC6)	67.97	
22 42 43 00-0046		**Removal And Reinstallation Of Fixtures And Trim** *(22 42 43)* Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 43 00-0047	EA	Removal And Reinstallation Of Flush Valve	146.32	

22 42 46 Chemical Toilets *(22 42)*

Note: Includes toilet, urinal, holding tank, and ventilation system. Building to be priced separately.

22 42 46 00-0001		**Standard Chemical Toilets** *(22 42 46)*		
22 42 46 00-0002		**Small Tank Chemical Toilets** *(22 42 46 00-0001)*		
22 42 46 00-0003	EA	Chemical Toilet, Small Tank 7,000 Uses/Year	4,476.45	1,077.90
		For Extra Urinal, Add	*145.83*	
22 42 46 00-0004		**Medium Tank Chemical Toilets** *(22 42 46 00-0001)*		
22 42 46 00-0005	EA	Chemical Toilet, Medium Tank 13,000 Uses/Year	5,319.70	1,283.79
		For Extra Urinal, Add	*172.67*	
22 42 46 00-0006		**Large Tank Chemical Toilets** *(22 42 46 00-0001)*		
22 42 46 00-0007	EA	Chemical Toilet, Large Tank 28,000 Uses/Year	6,413.60	1,456.25
		For Extra Urinal, Add	*233.94*	

22 43 Healthcare Plumbing Fixtures *(22 40)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 43 13 Healthcare Water Closets *(22 43)*

22 43 13 00-0001 Healthcare Water Closets *(22 43 13)*

22 43 13 00-0002	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard Priolo® ADA)	825.42	112.10
22 43 13 00-0003	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard Madera™ ADA)	678.20	112.10

22 43 16 Healthcare Sinks *(22 43)*

22 43 16 00-0001 Healthcare Sinks *(22 43 16)*

Note: Includes trap, drain and supply valves. Excludes faucets and flush valves.

22 43 16 00-0002	EA	25" x 21", Wall Mounted, Blow Out Flushing Rim, Vitreous China Clinic Service Sink (American Standard)	1,200.59	72.22
		For Stainless Steel Rim Guards (Three Sides), Add	*108.61*	
22 43 16 00-0003	EA	29" x 20", Floor Mounted, Siphon Jet Flushing Rim, Vitreous China Clinic Service Sink (American Standard)	1,298.06	207.49
		For Stainless Steel Rim Guards (Three Sides), Add	*108.61*	
		For Pedestal Base, Add	*497.95*	
22 43 16 00-0004	EA	28" x 22", Wall Mounted, Vitreous China Surgeon's Scrub Sink (American Standard)	1,152.78	72.22
		For Painted Bracket Supports, Add	*176.28*	
22 43 16 00-0005	EA	20" x 17", Wall Mounted, Vitreous China Intensive Care Unit Sink (American Standard)	1,009.34	72.22

22 43 39 Healthcare Faucets *(22 43)*

22 43 39 00-0001 Medical Faucet Spouts *(22 43 39)*

22 43 39 00-0002	EA	Deck Mounted, Rigid Gooseneck Medical Lavatory Spout (American Standard 7522)	101.58	16.17

22 43 39 00-0003 Electronic Proximity Medical Faucets *(22 43 39)*

22 43 39 00-0004	EA	DC Or Plug-In AC Powered, Single Inlet, Electronic Proximity Medical Lavatory Faucet (American Standard Selectronic™ ICU)	577.87	79.12
		For Hard Wired AC Powered, Add	*24.73*	

22 43 39 00-0005 Centerset Medical Faucets *(22 43 39)*

22 43 39 00-0006	EA	Rigid Gooseneck Centerset Medical Lavatory Faucet, 8" Centers 6" Wrist Action Handles, Adjustable Centers (T&S B-0865-04)	612.94	79.12
22 43 39 00-0007	EA	Swivel Gooseneck Centerset Medical Lavatory Faucet, 8" Centers, 6" Wrist Action Handles, Adjustable Centers (T&S B-0866-04)	620.05	79.12
22 43 39 00-0008	EA	Swivel Gooseneck Centerset Medical Lavatory Faucet With Aerator 8" Centers, 6" Wrist Action Handles, Adjustable Centers (T&S B-0867-04)	619.33	79.12
22 43 39 00-0009	EA	Surgical Sink Rigid Gooseneck Faucets, 8" Centers, 6" Wrist Action Handles (T&S B-0322-04)	551.77	79.12
22 43 39 00-0010	EA	Surgical Sink Rigid Gooseneck Faucets With Stream Regulator Outlet, 8" Centers, 6" Wrist Action Handles (T&S B-0323-04)	527.58	79.12

22 43 39 00-0011 Bedpan Washers *(22 43 39)*

22 43 39 00-0012	EA	Self Closing Pedal Valve Bed Pan Washer, With Volume Control, Vacuum Breaker, Wall Hook Hose Connection, Polyvinyl Chloride Hose (T&S B-0675)	1,461.45	143.79
22 43 39 00-0013	EA	Pedal Valve Bed Panwasher With Volume Control Valve, Vacuum Breaker, Wall Hook Hose Connection, Extended Spray Polyvinyl Chloride Hose (T&S B-0676)	1,386.98	143.79
22 43 39 00-0014	EA	Self Closing Single Pedal Valve Bedpan Washer With Volume Control, Vacuum Breaker, Wall Hook Hose Connection Polyvinyl Chloride Hose (T&S B-0685)	1,364.92	143.79
22 43 39 00-0015	EA	Single Pedal Valve Bedpan Washer With Volume Control, Vacuum Breaker, Wall Hook Hose Connection, Polyvinyl Chloride Hose, Extended Spray (T&S B-0686)	1,343.47	143.79

22 43 39 00-0016 Foot And Knee Faucet Controls *(22 43 39)*

22 43 39 00-0017	EA	Single Supply Metering Pedal Valve (Chicago Faucet 628)	439.37	143.79
22 43 39 00-0018	EA	Double Supply Metering Pedal Valve (Chicago Faucet 625)	517.90	143.79
22 43 39 00-0019	EA	Knee Actuated Metering Mixing Valve (Chicago Faucet 745-VOCP)	1,123.19	143.79

22 43 43 Healthcare Plumbing Fixture Flushometers *(22 43)*

22 43 43 00-0001 Healthcare Plumbing Fixture Flushometers *(22 43 43)*

22 43 43 00-0002	EA	Exposed Manual Service Sink Flush Valve (Sloan Royal-117)	231.79	36.76
22 43 43 00-0003	EA	Exposed Manual Water Closet Flush Valve With Bedpan Washer (Sloan Slimline BPW)	510.81	36.76

22 45 Emergency Plumbing Fixtures *(22 40)*

22 45 13 Emergency Showers *(22 45)*

22 45 13 00-0001 Emergency Drench Showers *(22 45 13)*

22 45 13 00-0002 Emergency Drench Showers (Haws) *(22 45 13 00-0001)*

Note: Includes one pull rod.

22 45 13 00-0003	EA	Horizontal Or Vertical Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8122)	737.34	188.64

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 13 00-0004	EA	Horizontal Or Vertical Mounted, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8123)	849.09	188.64
22 45 13 00-0005	EA	Horizontal Mounted, Barrier-Free, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8122HWC)	911.17	188.64
22 45 13 00-0006	EA	Horizontal Or Vertical Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8130)	1,097.41	188.64
22 45 13 00-0007	EA	Horizontal Mounted, All Stainless Steel, Corrosion Resistant, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8133H)	1,482.32	188.64
22 45 13 00-0008	EA	Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8100)	1,163.72	215.58
22 45 13 00-0009	EA	Wall Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Stainless Steel Push Flag (Haws 8111FP)	1,273.49	242.53
22 45 13 00-0010	EA	Flush To Ceiling, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8169)	1,155.54	242.53
22 45 13 00-0011	EA	Concealed Ceiling Supply, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8163)	1,180.37	242.53
22 45 13 00-0012	EA	Flush To Ceiling, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead And Pull Down Lever Ball Valve Mounted In A Recessed Stainless Steel Cabinet (Haws 8164)	1,645.98	242.53
22 45 13 00-0013		Emergency Drench Showers (Speakman) *(22 45 13 00-0001)*		
		Note: Includes one pull rod.		
22 45 13 00-0014	EA	Vertical Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-220)	636.32	188.64
22 45 13 00-0015	EA	Horizontal Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-227)	655.67	188.64
22 45 13 00-0016	EA	Floor Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-253)	1,034.18	215.58
22 45 13 00-0017		Emergency Drench Showers (WaterSaver) *(22 45 13 00-0001)*		
		Note: Includes one pull rod.		
22 45 13 00-0018	EA	Emergency Shower, Vertically Mounted (WaterSaver ES635)	872.24	188.64
22 45 13 00-0019	EA	Emergency Shower, Horizontally Mounted (WaterSaver ES643)	893.89	188.64
22 45 13 00-0020	EA	All-Stainless Steel, Emergency Shower, Horizontally Mounted (WaterSaver ES691)	1,953.89	188.64
22 45 13 00-0021	EA	Emergency Shower, Recess Mounted (WaterSaver ES629)	1,395.15	242.53
22 45 13 00-0022	EA	Emergency Shower, Semi-Concealed (WaterSaver ES658)	1,884.90	242.53
22 45 16		**Eyewash Equipment** *(22 45)*		
22 45 16 00-0001		Emergency Eyewash Equipment *(22 45 16)*		
22 45 16 00-0002		Emergency Eyewash Equipment (Haws) *(22 45 16 00-0001)*		
22 45 16 00-0003	EA	Faucet Mounted, Stainless Steel Emergency Eyewash (Haws Axion® eyePOD® 7620)	333.60	5.39
22 45 16 00-0004	EA	Wall Mounted, Freeze Protected, Emergency Eye Wash With Soft-Flo Heads And Stainless Steel Bowl (Haws 7433FP)	1,546.65	242.53
22 45 16 00-0005		Emergency Eyewash Equipment (WaterSaver) *(22 45 16 00-0001)*		
22 45 16 00-0006	EA	Auto Flow, Right Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW805)	887.74	53.90
22 45 16 00-0007	EA	Auto Flow, Left Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW805LH)	887.74	53.90
22 45 16 00-0008	EA	Right Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW806)	904.14	53.90
22 45 16 00-0009	EA	Left Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW806LH)	904.14	53.90
22 45 16 00-0010	EA	Stainless Steel Bowl, Emergency Eye Wash, Deck Mounted (WaterSaver EW822)	1,205.22	53.90
22 45 16 00-0011	EA	Swing-Down, Auto Flow, Emergency Eye Wash, Wall Mounted (WaterSaver EW848)	1,374.83	53.90
22 45 16 00-0012	EA	Swing-Down, Auto Flow, Emergency Eye Wash, Deck Mounted (WaterSaver EW849)	1,374.83	53.90
22 45 16 00-0013	EA	Right Hand Mounting, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW893)	2,557.81	53.90
22 45 16 00-0014	EA	Left Hand Mounting, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW893LH)	2,557.81	53.90
22 45 16 00-0015	EA	Right Hand Mounting, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW895)	2,677.15	53.90
22 45 16 00-0016	EA	Left Hand Mounting, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW895LH)	2,677.15	53.90
22 45 16 00-0017	EA	Swing-Down, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Wall Mounted (WaterSaver EW898)	3,305.19	53.90
22 45 16 00-0018	EA	Swing-Down, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW899)	3,305.19	53.90
22 45 16 00-0019	EA	Ball Valve With Flag Handle, Emergency Eye Wash, Recess Deck Mounted (WaterSaver EW808)	1,614.82	188.64
22 45 16 00-0020	EA	Push-Down Valve, Emergency Eye Wash, Recess Deck Mounted (WaterSaver EW810)	1,591.67	188.64
22 45 16 00-0021	EA	Stainless Steel Bowl, Emergency Eye Wash, Wall Mounted (WaterSaver EW814)	1,135.40	188.64
22 45 16 00-0022	EA	Stainless Steel Bowl And Cover, Emergency Eye Wash, Wall Mounted (WaterSaver EW814BC)	1,616.57	188.64
22 45 16 00-0023	EA	Plastic Bowl, Emergency Eye Wash, Wall Mounted (WaterSaver EW814P)	963.61	188.64
22 45 23		**Personal Eyewash Equipment** *(22 45)*		
22 45 23 00-0001		Portable Eyewash Equipment *(22 45 23)*		
22 45 23 00-0002		Portable Eyewash Equipment (Bradley) *(22 45 23 00-0001)*		
22 45 23 00-0003	EA	Wall Mounted, Portable Gravity Fed Eyewash Unit With Clear Tank (Bradley S19-921)	341.20	16.17
22 45 23 00-0004	EA	Wall Mounted, Portable Gravity Fed Eyewash Unit With Insulated Heater Jacket (Bradley S19-921H)	1,805.30	16.17
22 45 23 00-0005	EA	5 Gallon Portable Pressurized Tank With Eyewash Only (Bradley S19-671)	825.25	
22 45 23 00-0006	EA	5 Gallon Portable Pressurized Tank With Eyewash And 8' Drench Hose For Facewash (Bradley S19-672)	984.45	
22 45 26		**Eye/Face Wash Equipment** *(22 45)*		
22 45 26 00-0001		Emergency Eye/Face Wash Equipment *(22 45 26)*		
22 45 26 00-0002		Emergency Eye/Face Wash Equipment (Haws) *(22 45 26 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 26 00-0003	EA	Unmounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7460)	809.59	134.74
		Note: Excludes p-trap and tailpiece.		
22 45 26 00-0004	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly Without Receptor (Haws 7324)	805.63	188.64
22 45 26 00-0005	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7260B-7270B)	787.01	188.64
		Note: Excludes p-trap and tailpiece.		
22 45 26 00-0006	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7260BT-7270BT)	860.26	188.64
		Note: Excludes p-trap and tailpiece.		
22 45 26 00-0007	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360B-7460B)	867.71	188.64
		Note: Excludes p-trap and tailpiece.		
22 45 26 00-0008	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360BT-7460BT)	955.87	188.64
		Note: Excludes p-trap and tailpiece.		
22 45 26 00-0009	EA	Wall Mounted, Barrier-Free, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360BTWC)	1,308.49	188.64
22 45 26 00-0010	EA	Wall Mounted, All Stainless Steel, Corrosion Resistant, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl And Dust Cover (Haws 7778B)	2,488.03	188.64
22 45 26 00-0011	EA	Pedestal Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7261-7271)	989.89	215.58
22 45 26 00-0012	EA	Pedestal Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7361-7461)	1,132.68	215.58
22 45 26 00-0013	EA	Pedestal Mounted, All Stainless Steel, Corrosion Resistant, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7777)	2,572.96	215.58
22 45 26 00-0014	EA	Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 7611)	685.15	53.90
22 45 26 00-0015	EA	Right Side Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Stainless Steel Axion® MSR Wash Head Assembly (Haws 7612)	660.31	53.90
22 45 26 00-0016	EA	Left Side Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Stainless Steel Axion® MSR Wash Head Assembly (Haws 7612LH)	691.35	53.90
22 45 26 00-0017	EA	Wall Or Deck Mounted, Barrier-Free, Swing-Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 7610)	871.39	53.90
22 45 26 00-0018	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet (Haws 7655WCC)	2,103.40	269.48
22 45 26 00-0019	EA	Surface Wall Mounted, Wheelchair Accessible, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet (Haws 7655WCSM)	2,560.55	215.58
22 45 26 00-0020	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet And Drain Pan (Haws 7656WCC)	2,624.88	269.48
22 45 26 00-0021	EA	Surface Wall Mounted, Wheelchair Accessible, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet And Drain Pan (Haws 7656WCSM)	3,094.45	215.58
22 45 26 00-0022		**Emergency Eye/Face Wash Equipment (Speakman)** *(22 45 26 00-0001)*		
22 45 26 00-0023	EA	Wall Mounted, Lifesaver® Emergency Eye/Face Wash And Plastic Bowl (Speakman SE-495)	716.94	188.64
22 45 26 00-0024	EA	Floor Mounted, DuraJade™ Finish, Lifesaver® Emergency Eye/Face Wash And Plastic Bowl (Speakman SE-496)	879.40	215.58
22 45 26 00-0025		**Emergency Eye/Face Wash Equipment (WaterSaver)** *(22 45 26 00-0001)*		
22 45 26 00-0026	EA	Wide Area, Emergency Eye/Face Wash With Stainless Steel Bowl, Wall Mounted (WaterSaver FE724)	1,437.35	188.64
22 45 26 00-0027	EA	Wide Area, Emergency Eye/Face Wash With Stainless Steel Bowl And Cover, Wall Mounted (WaterSaver FE724BC)	1,918.52	188.64
22 45 26 00-0028	EA	Wide Area, Push-Down Valve, Emergency Eye/Face Wash, Recess Deck Mounted (WaterSaver FE727)	1,857.35	188.64
22 45 26 00-0029	EA	Push-Down Valve, Emergency Eye/Face Wash, Recess Deck Mounted (WaterSaver FE765)	1,711.38	188.64
22 45 26 00-0030	EA	Auto Flow, Right Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE774)	935.49	53.90
22 45 26 00-0031	EA	Auto Flow, Left Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE774LH)	935.49	53.90
22 45 26 00-0032	EA	Right Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE775)	907.01	53.90
22 45 26 00-0033	EA	Left Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE775LH)	907.01	53.90
22 45 26 00-0034	EA	Swing-Down, Auto Flow, Emergency Eye/Face Wash, Wall Mounted (WaterSaver FE778)	1,396.23	53.90
22 45 26 00-0035	EA	Swing-Down, Auto Flow, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE779)	1,396.23	53.90
22 45 26 00-0036		**Emergency Eye/Face Wash Equipment (Guardian)** *(22 45 26 00-0001)*		
		Note: Includes one pull rod.		
22 45 26 00-0037	EA	All-Stainless Steel Handicapped Accessible Safety Station With WideArea™ Eye/Face Wash (Guardian GBF1994)	5,722.69	188.64
22 45 29		**Hand-Held Emergency Drench Hoses** *(22 45)*		
22 45 29 00-0001		**Hand-Held Emergency Eye/Face/Body Wash With Hose** *(22 45 29)*		
22 45 29 00-0002		**Hand-Held Emergency Eye/Face/Body Wash With Hose (Haws)** *(22 45 29 00-0001)*		
22 45 29 00-0003	EA	Counter Mounted, Hand-Held Emergency Eye/Face/Body Wash With Axion® MSR Wash Head Assembly And 8' Hose (Haws 8904)	730.72	67.37
22 45 29 00-0004	EA	Wall Mounted, Hand-Held Emergency Eye/Face/Body Wash With Axion® MSR Wash Head Assembly And 12' Recoil Hose (Haws 8905)	842.47	67.37
22 45 29 00-0005		**Hand-Held Emergency Eye/Face/Body Wash With Hose (WaterSaver)** *(22 45 29 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 29 00-0006	EA	Emergency Drench Hose Unit, Deck Mounted (WaterSaver EW1020)	708.58	67.37
22 45 29 00-0007	EA	Emergency Drench Hose Unit, Wall Mounted (WaterSaver EW1025)	651.43	67.37
22 45 29 00-0008	EA	Emergency Eye Wash Drench Hose Unit, Wall Mounted (WaterSaver EW1014)	987.66	67.37
22 45 29 00-0009	EA	Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1022)	924.06	67.37
22 45 29 00-0010	EA	Emergency Eye Wash Drench Hose Unit, Wall Mounted (WaterSaver EW1026)	946.84	67.37
22 45 29 00-0011	EA	Ball Valve With Flag Handle, Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1028)	1,246.67	67.37
22 45 29 00-0012	EA	Ball Valve With Flag Handle And Vacuum Breaker, Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1028VB)	1,446.08	67.37
22 45 29 00-0013	EA	Emergency Eye Wash Drench Hose Unit, 45 Degree Panel Mounted (WaterSaver EW1041)	1,378.46	67.37

22 45 33 Combination Emergency Fixture Units *(22 45)*

22 45 33 00-0001 Emergency Shower With Eye/Face Wash *(22 45 33)*

22 45 33 00-0002 Emergency Shower With Eye/Face Wash (Haws) *(22 45 33 00-0001)*

22 45 33 00-0003	EA	Floor Mounted, All Stainless Steel, Corrosion Resistant, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8330)	4,332.39	350.32
22 45 33 00-0004	EA	Floor Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eyewash With Soft-Flo Heads And Stainless Steel Bowl (Haws 8300FP) Note: Includes freeze protection bury valve.	2,916.94	350.32
22 45 33 00-0005	EA	Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8300-8309)	2,016.76	350.32
22 45 33 00-0006	EA	Floor Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eyewash With Soft-Flo Heads And Stainless Steel Bowl (Haws 8300.158)	3,239.76	350.32
22 45 33 00-0007	EA	Floor Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8300CRP-8309CRP)	2,364.42	350.32
22 45 33 00-0008	EA	Floor Mounted, Barrier-Free, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8309WC)	2,221.63	350.32
22 45 33 00-0009	EA	Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317)	1,892.60	350.32
22 45 33 00-0010	EA	Floor Mounted, Corrosion Resistant, PVC Plastic, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8336)	3,128.02	350.32
22 45 33 00-0011	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Ceiling Mounted Axion® MSR Stainless Steel Showerhead (Haws 8355WCC)	3,432.22	350.32
22 45 33 00-0012	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8355WCW)	3,500.50	350.32
22 45 33 00-0013	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan And Ceiling Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCC)	3,916.45	350.32
22 45 33 00-0014	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan, Daylight Drain And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCDD)	4,158.57	350.32
22 45 33 00-0015	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCW)	4,090.28	350.32
22 45 33 00-0016	EA	Floor Mounted, 120 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFP)	6,138.96	350.32
22 45 33 00-0017	EA	Floor Mounted, 220 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFP.220V)	6,474.20	350.32
22 45 33 00-0018	EA	Floor Mounted, C1D1 Rated, 120 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFPC1D1)	13,737.70	350.32
22 45 33 00-0019	EA	Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8320-8325)	1,892.60	350.32
22 45 33 00-0020	EA	Floor Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8320CRP)	2,147.13	350.32

22 45 33 00-0021 Emergency Shower With Eye/Face Wash (Speakman) *(22 45 33 00-0001)*

22 45 33 00-0022	EA	Floor Mounted, Emergency Drench Shower With Plastic Showerhead And Eye/Face Wash With Plastic Bowl (Speakman SE-690)	1,746.40	350.32

22 45 33 00-0023 Emergency Shower With Eye/Face Wash (WaterSaver) *(22 45 33 00-0001)*

22 45 33 00-0024	EA	All-Stainless Steel, Wide Area, Emergency Shower With Eye/Face Wash Station, Floor Mounted (WaterSaver SS994)	6,544.20	292.64
22 45 33 00-0025	EA	Polished Chrome Construction, Wide Area, Emergency Shower With Eye/Face Wash Station, Floor Mounted (WaterSaver SS909PCC)	6,689.21	292.64
22 45 33 00-0026	EA	Emergency Shower With Eye Wash Station And Stainless Steel Bowl, Floor Mounted (WaterSaver SS902)	2,602.38	292.64
22 45 33 00-0027	EA	Emergency Shower With Eye Wash Station And Plastic Bowl, Floor Mounted (WaterSaver SS902P)	2,376.77	292.64
22 45 33 00-0028	EA	Emergency Shower With Eye Wash Station And Stainless Steel Bowl And Cover, Floor Mounted (WaterSaver SS902BC)	3,083.55	292.64

22 45 36 Emergency Fixture Water-Tempering Equipment *(22 45)*

22 45 36 00-0001 Emergency Fixture Water-Tempering Equipment *(22 45 36)*

22 45 36 00-0002 Emergency Fixture Water-Tempering Equipment (Haws) *(22 45 36 00-0001)*

22 45 36 00-0003	EA	10 GPM, 1/2" Inlet, 1/2" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201EW)	774.18	67.37

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 36 00-0004	EA	12 GPM, 1/2" Inlet, 3/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201EFE)	1,140.46	67.37
22 45 36 00-0005	EA	31 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201E)	1,680.56	67.37
22 45 36 00-0006	EA	78 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9202E)	1,984.76	67.37
22 45 36 00-0007	EA	31 GPM, 1" Inlet, 1-1/4" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws 9201H)	2,816.65	67.37
22 45 36 00-0008	EA	12 GPM, 1/2" Inlet, 3/4" Outlet, Secondary High Temperature Limit Valve, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.EWE)	2,971.85	67.37
22 45 36 00-0009	EA	74 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.SHE)	5,001.91	67.37
22 45 36 00-0010	EA	78 GPM, 2" Inlet, 2" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.HF)	6,013.83	67.37
22 45 36 00-0011	EA	1/2" Inlet, 1/2" Outlet, Brass Scald Protection Bleed Valve (Haws SP157B)	867.30	67.37

22 45 39 Emergency Plumbing Fixture Accessories *(22 45)*

22 45 39 00-0001 Emergency Plumbing Fixture Accessories *(22 45 39)*

22 45 39 00-0002 Emergency Plumbing Fixture Accessories (Haws) *(22 45 39 00-0001)*

22 45 39 00-0003	EA	Pedestal Mounted, Powder Coated Aluminum Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220)	198.31	21.56
22 45 39 00-0004	EA	Wall Mounted, Powder Coated Aluminum Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220W)	279.02	21.56
22 45 39 00-0005	EA	Pedestal Mounted, Stainless Steel Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220SS)	291.43	21.56
22 45 39 00-0006	EA	Axion® MSR Stainless Steel Showerhead For Emergency Drench Showers (Haws SP829SS)	326.58	8.09
22 45 39 00-0007	EA	Stainless Steel Dust Cover For Emergency Eye/Face Wash Bowls (Haws 9102)	333.60	5.39
22 45 39 00-0008	EA	3-Sided ABS Plastic Safety Sign For Emergency Combination Shower And Eyewash Units (Haws 9020)	363.01	10.78
22 45 39 00-0009	EA	Emergency Body Spray Kit With 8' Hose And ABS Plastic Head For Emergency Plumbing Fixtures (Haws 8901RFK)	627.30	80.85
22 45 39 00-0010	EA	Class 1, Div. 1, Group B, C And D, Indicator Light For Emergency Plumbing Fixtures (Haws 8317IDLTEXP)	659.32	37.88
22 45 39 00-0011	EA	Vapor Tight And Gasketed, Green Area Light For Emergency Plumbing Fixtures (Haws 8317LT)	982.15	37.88
22 45 39 00-0012	EA	Privacy Curtain For Horizontal Emergency Drench Shower Or Combination Emergency Drench Shower And Eyewash Units (Haws 9037)	1,140.46	80.85
22 45 39 00-0013	EA	Class 1, Div. 1, Group B, C And D, White Area Light For Emergency Plumbing Fixtures (Haws 8317LTEXP)	2,192.73	37.88
22 45 39 00-0014	EA	1/2" Supply, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001.5)	2,425.37	126.27
22 45 39 00-0015	EA	1-1/4" Supply, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001)	2,475.04	126.27
22 45 39 00-0016	EA	1-1/4" Supply, Class 1, Division 2, Groups B, C, And D Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001EXP)	4,598.22	126.27
22 45 39 00-0017	EA	1-1/4" Supply, 90 db, Class 1, Division 1, Groups C And D, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001EXPC1D1)	8,757.66	126.27

22 45 39 00-0018 Emergency Plumbing Fixture Accessories (Speakman) *(22 45 39 00-0001)*

22 45 39 00-0019	EA	Privacy Curtain For Emergency Showers Note: Curtain includes stainless steel curtain rod and mounting accessories.	1,143.00	80.85

22 45 39 00-0020 Emergency Plumbing Fixture Accessories (WaterSaver) *(22 45 39 00-0001)*

22 45 39 00-0021	EA	Hand And Foot Control For Emergency Eyewash Equipment (WaterSaver HFC)	187.81	17.56

22 46 Security Plumbing Fixtures *(22 40)*

22 46 13 Security Water Closets and Urinals *(22 46)*

22 46 13 13 Security Water Closets *(22 46 13)*

22 46 13 13-0001 Security Water Closets *(22 46 13 13)*

22 46 13 13-0002	EA	Security Water Closet, Integral Seat, Back Supply And Flush Valve, Wall Hung, Wall Outlet, Cast Aluminum (Acorn 1675)	2,278.35	269.48
		For Angled Toilet, Add	*26.95*	
		For Offset Toilet, Add	*200.89*	
22 46 13 13-0003	EA	Security Water Closet, Integral Seat, Back Supply And Flush Valve, Floor Mount, Wall Outlet, Cast Aluminum (Acorn 1684)	2,726.40	269.48
		For Angled Toilet, Add	*26.95*	
		For Offset Toilet, Add	*245.69*	
22 46 13 13-0004	EA	Security Water Closet, Integral Seat, Back Supply And Flush Valve, Floor Mount, Floor Outlet, Cast Aluminum (Acorn 1695)	2,765.65	269.48
		For Angled Toilet, Add	*26.95*	
		For Offset Toilet, Add	*249.62*	
22 46 13 13-0005	EA	Recessed Tissue Holder For Security Water Closet, Stainless Steel (Acorn 1840)	268.80	53.90
22 46 13 13-0006	EA	Penal-Ware® Blowout Jet Water Closet, Integral Seat, Back Supply, Floor Mount, Wall Outlet, Stainless Steel (Acorn LR1685-W-2FVBO TLT)	1,022.77	269.48
22 46 13 13-0007	EA	Ligature Resistant, Stainless Steel, Floor Mount, Wall Outlet, Siphon Jet Toilet - ADA (Whitehall BestCare® WH2142-ADA-T-EGE10)	2,257.96	269.48

22 46 13 16 Security Urinals *(22 46 13)*

22 46 13 16-0001 Security Urinals *(22 46 13 16)*

22 46 13 16-0002	EA	Security Urinal, Back Supply And Flush, Wall Hung, Stainless Steel (Acorn 1700)	2,654.91	242.53
22 46 13 16-0003	EA	Security Urinal, Back Supply And Flush, Stall, Stainless Steel (Acorn 1720)	4,469.86	344.61

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 46 13 19 Security Combination Toilet and Lavatory *(22 46 13)*

22 46 13 19-0001 Security Combination Toilet - Lavatory *(22 46 13 19)*

22 46 13 19-0002	EA	15" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel (Acorn 1415)	4,049.64	334.15
		For Angled Toilet, Add	*33.42*	
		For Offset Toilet, Add	*371.55*	
		For 15" Mirror/Shelf Module, Add	*884.15*	
		For AC Duplex Outlet Option, Add	*96.83*	
		For Intercom Option, Add	*141.83*	
		For 15" Wide Light/Ventilation Module, Add	*835.49*	
22 46 13 19-0003	EA	18" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel (Acorn 1418)	4,175.38	350.32
		For Angled Toilet, Add	*35.03*	
		For Offset Toilet, Add	*382.51*	
		For 18" Mirror/Shelf Module, Add	*925.32*	
		For AC Duplex Outlet Option, Add	*100.06*	
		For Intercom Option, Add	*145.06*	
		For 18" Wide Light/Ventilation Module, Add	*860.19*	
22 46 13 19-0004	EA	20" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel (Acorn 1420)	4,272.69	366.49
		For Angled Toilet, Add	*36.65*	
		For Offset Toilet, Add	*390.62*	
		For 20" Mirror/Shelf Module, Add	*976.49*	
		For AC Duplex Outlet Option, Add	*103.30*	
		For Intercom Option, Add	*148.30*	
		For 20" Wide Light/Ventilation Module, Add	*894.89*	
22 46 13 19-0005	EA	26" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel (Acorn 1426)	4,567.62	382.66
		For Angled Toilet, Add	*38.27*	
		For Offset Toilet, Add	*418.50*	
		For 26" Mirror/Shelf Module, Add	*1,017.66*	
		For AC Duplex Outlet Option, Add	*106.53*	
		For Intercom Option, Add	*151.53*	
		For 26" Wide Light/Ventilation Module, Add	*924.59*	
22 46 13 19-0006	EA	28" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Floor Mounted, Stainless Steel (Acorn 1428)	7,249.00	398.83
		For Angled Toilet, Add	*39.88*	
		For Offset Toilet, Add	*685.02*	
		For 28" Mirror/Shelf Module, Add	*1,053.83*	
		For AC Duplex Outlet Option, Add	*109.77*	
		For Intercom Option, Add	*154.77*	
		For 28" Wide Light/Ventilation Module, Add	*954.30*	

22 46 16 Security Lavatories and Sinks *(22 46)*

22 46 16 13 Security Lavatories *(22 46 16)*

22 46 16 13-0001 Security Lavatories *(22 46 16 13)*

22 46 16 13-0002	EA	20" Security Lavatory, Wall Hung, Push Button Filler Valve, Rectangular Bowl, Stainless Steel (Acorn 1650)	1,639.20	188.64
		For Shelf, Add	*91.59*	
22 46 16 13-0003	EA	18" Security Lavatory, Wall Hung, Push Button Filler Valve, Oval Bowl, Stainless Steel (Acorn 1655)	1,665.19	188.64
		For Shelf, Add	*91.59*	
22 46 16 13-0004	EA	13" Security Lavatory, Wall Hung, Push Button Filler Valve, Oval Bowl, Corner Mount, Stainless Steel (Acorn 1660)	1,884.66	188.64
		For Shelf, Add	*91.59*	
22 46 16 13-0005	EA	18" Security Lavatory, Wall Hung, Push Button Filler Valve, Multi Sided Bowl, Stainless Steel (Acorn 1656)	1,665.19	188.64
		For Shelf, Add	*91.59*	
22 46 16 13-0006	EA	Penal-Ware® 18" Security Lavatory, Wall Hung, Push Button Filler Valve, Oval Bowl, Stainless Steel (Acorn M-1652-E530-1 Multi -Lav)	2,947.85	188.64
22 46 16 13-0007	EA	Ligature Resistant Corterra®, Wall, Bathroom Sink, With Faucet, Bowl Size 14-1/2" x 12-1/2" (Whitehall BestCare® WH3775-WH3375L-SO)	2,569.69	269.48
22 46 16 13-0008	EA	Ligature Resistant Corterra®, Wall, Bathroom Sink, Without Faucet, Bowl Size 14-1/2" x 12-1/2" (Whitehall WH3775−09)	2,208.88	269.48
22 46 16 13-0009	EA	Ligature Resistant Sensor Activated Spout with Electronic Valve, Single Temperature (Whitehall BestCare® WH3375L-SO)	965.56	38.80

22 46 16 16 Security Sinks *(22 46 16)*

22 46 16 16-0001 Security Sinks *(22 46 16 16)*

22 46 16 16-0002	EA	22" x 16" x 10" Security Service Sink, With Soap Dish, Stainless Steel (Acorn 1642)	3,465.19	287.26

22 46 16 16-0003 Security Mop Sink *(22 46 16 16)*

22 46 16 16-0004	EA	24" x 24" x 10" Stainless Steel Mop Sink With Strainer (ACORN 1630)	4,212.37	161.69

22 46 19 Security Showers *(22 46)*

22 46 19 00-0001 Security Showers *(22 46 19)*

22 46 19 00-0002	EA	30" Security Shower, Stainless Steel, Knock-Down (Acorn 1730-3M-KD)	8,874.25	431.16

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LACWD
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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 46 19 00-0003	EA	32" Security Shower, Stainless Steel, Knock-Down (Acorn 1732-3M-KD)	9,188.29	431.16
22 46 19 00-0004	EA	36" Security Shower, Stainless Steel, Knock-Down (Acorn 1736-3M-KD)	9,511.49	431.16
22 46 19 00-0005	EA	36" ADA Security Shower, Stainless Steel, Front Access (Acorn 1736-ADA-3M-FA)	12,042.12	431.16
22 46 19 00-0006	EA	Security Shower Package For Built-in, Hot And Cold Faucets, Mixing Valve, Rectangular Soap Dish, Stainless Steel (Acorn 1741)	631.10	143.90
22 46 19 00-0007	EA	Security Shower Head With Mixing Valves And Piping Assembly In Wall (Acorn 1743)	444.01	75.46
22 46 19 00-0008	EA	Ligature Resistant ADA Compliant Flush-Mounted Stainless Steel Security Shower With Temperature/Pressure Mixing Valve, Dual Showerhead (Acorn MLR1748 LIG/RES SHWR)	882.94	75.46

22 46 43 Security Plumbing Fixture Flushometers *(22 46)*

22 46 43 00-0001	EA	Concealed Manual Water Closet Flush Valve, With Pushbutton Control (Sloan 601 AFD ESM) Note: Anti-flood device (AFD), solenoid operated with module plug 24V (ESM).	789.07	36.76
22 46 43 00-0002	EA	Concealed Manual Urinal Flush Valve, 1-1/2" Backinlet, With Pushbutton Control (Sloan 609 ESM) Note: Solenoid operated with module plug 24V (ESM).	788.15	36.76
22 46 43 00-0003	EA	Concealed Manual Urinal Flush Valve, 3/4" Backinlet, With Pushbutton Control (Sloan 613 ESM) Note: Solenoid operated with module plug 24V (ESM).	761.34	36.76

22 46 56 Security Drinking Fountains *(22 46)*

22 46 56 00-0001 Security Drinking Fountain *(22 46 56)*

Note: Includes air control valve, bubbler with mouthguard and mounting bracket.

22 46 56 00-0002	EA	Wall Mounted Security Drinking Fountain, Stainless Steel (Acorn 1670-1-BP-3-FA)	1,853.98	215.58
22 46 56 00-0003	EA	Wall Mounted Security ADA Drinking Fountain, Stainless Steel (Acorn 1672-1-ADA-BP-3-FA)	1,866.51	215.58

22 47 Drinking Fountains and Water Coolers *(22 40)*

22 47 13 Drinking Fountains *(22 47)*

22 47 13 00-0001 Drinking Fountain Accessories *(22 47 13)*

22 47 13 00-0002 Drinking Fountain Grab Bars *(22 47 13 00-0001)*

Note: Includes satin finish and concealed mounting with snap flange.

22 47 13 00-0003	EA	18" x 33", Wall And Floor Mounted, 1-1/4" Diameter, Stainless Steel Drinking Fountain Grab Bar	336.74	22.06
		For Peened Grip, Add	*26.33*	
22 47 13 00-0004	EA	18" x 33", Wall And Floor Mounted, 1-1/2" Diameter, Stainless Steel Drinking Fountain Grab Bar	363.08	22.06
		For Peened Grip, Add	*28.71*	

22 47 13 00-0005 Indoor Drinking Fountains *(22 47 13)*

22 47 13 00-0006 Face Mounted Indoor Drinking Fountain *(22 47 13 00-0005)*

22 47 13 00-0007	EA	Stainless Steel, Standard Length, Semi-Circular Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-S)	2,483.63	175.16
22 47 13 00-0008	EA	Stainless Steel, Standard Length, Semi-Circular With Back Panel Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-SBP)	3,668.26	188.64
22 47 13 00-0009	EA	Stainless Steel, Extended Length, Semi-Circular Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-E)	3,315.79	175.16
22 47 13 00-0010	EA	Stainless Steel, Extended Length, Semi-Circular With Back Panel Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-EBP)	3,967.96	188.64
22 47 13 00-0011	EA	Stainless Steel, Standard Length, Rectangle Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFS)	1,620.04	175.16
22 47 13 00-0012	EA	Stainless Steel, Standard Length, Rectangle With Back Panel Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners With Back Panel (Halsey-Taylor HRFSBP)	1,953.21	188.64
22 47 13 00-0013	EA	Stainless Steel, Extended Length, Rectangle Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFE)	1,850.26	175.16
22 47 13 00-0014	EA	Stainless Steel, Extended Length, Rectangle With Back Panel Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFEBP)	2,264.39	188.64

22 47 13 00-0015 Wall Mounted Indoor Drinking Fountain *(22 47 13 00-0005)*

22 47 13 00-0016	EA	Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain With Bubbler, Backsplash, Front And Side Push Bars (Halsey-Taylor 5701)	1,661.43	188.64
22 47 13 00-0017	EA	Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain/Bottle Filling Station With Bubbler, Backsplash, Front And Side Push Bars (Halsey-Taylor HTHB-HAC8WF)	2,625.75	188.64
22 47 13 00-0018	EA	Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Halsey-Taylor HTHB-HAC8BLWF)	3,325.65	242.53
22 47 13 00-0019	EA	Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Elkay VRCGRNTL8WSK)	3,745.43	242.53
22 47 13 00-0020	EA	Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Elkay EZSTLG8WSLK)	3,214.47	242.53
22 47 13 00-0021	EA	Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Elkay LZSTL8WSSP)	2,921.86	242.53
22 47 13 00-0022	EA	White Vitreous China Wall-Mounted Indoor Drinking Fountain (Haws 1201)	1,422.19	188.64
22 47 13 00-0023	EA	White Enameled Iron Wall-Mounted Indoor Drinking Fountain (Haws 1311 And 6700)	2,637.40	188.64
22 47 13 00-0024	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LVRC8WSK)	3,308.95	188.64
22 47 13 00-0025	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Non-Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay VRC8WSK)	3,195.17	188.64
22 47 13 00-0026	EA	Stainless Steel Wall-Mounted Indoor Hands-Free Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LVRCDWSK)	3,056.11	188.64

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47 13 00-0027	EA	Stainless Steel Wall-Mounted Indoor Hands-Free Non-Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay VRCDWSK)	2,929.69	188.64
22 47 13 00-0028	EA	Stainless Steel Wall-Mounted High-Efficiency Indoor Chilled Hands-Free Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LVRCGRN8WSK)	2,664.21	188.64
22 47 13 00-0029	EA	Stainless Steel Wall-Mounted High-Efficiency Indoor Chilled Hands-Free Non-Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay VRCGRN8WSK)	2,550.43	188.64
22 47 13 00-0030	EA	Stainless Steel Wall-Mounted High-Efficiency Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZSG8WSSK)	2,424.01	188.64
22 47 13 00-0031	EA	Stainless Steel Wall-Mounted Indoor Chilled Filtered Bottle Filling Station With Hands-Free Touchless Sensor Drinking Fountain (Elkay LZO8WSSK)	2,424.01	188.64
22 47 13 00-0032	EA	Stainless Steel Wall-Mounted Indoor Chilled Non-Filtered Bottle Filling Station With Hands-Free Fountain (Elkay EZO8WSSK)	2,310.23	188.64
22 47 13 00-0033	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Bottle Filling Station With Drinking Fountain (Elkay EZSG8WSSK)	2,310.23	188.64
22 47 13 00-0034	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LMABF8WSSK)	2,259.66	188.64
22 47 13 00-0035	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LZS8WSVRSK)	2,259.66	188.64
22 47 13 00-0036	EA	Stainless Steel Wall-Mounted Indoor Chillded Hands-Free Non-Filtered Bottle Filling Station With Drinking Fountain (Elkay EMABF8WSSK)	2,145.89	188.64
22 47 13 00-0037	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZS8WSSK)	2,082.68	188.64
22 47 13 00-0038	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZS8WSSP)	1,994.18	188.64
22 47 13 00-0039	EA	Stainless Steel Wall-Mounted Indoor Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZSDWSSK)	1,956.26	188.64
22 47 13 00-0040	EA	Stainless Steel Wall-Mounted Indoor Hands-Free Non-Filtered Bottle Filling Station With Drinking Fountain (Elkay EMABFDWSLK)	1,829.84	188.64
22 47 13 00-0041	EA	Vinyl Clad Cabinet, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountain (Elkay EMABF8WSLK)	2,082.68	188.64
22 47 13 00-0042	EA	Vinyl Clad Cabinet, Non-Chilled, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountain (Elkay EMABFDWSLK)	1,829.84	188.64
22 47 13 00-0043	EA	Vinyl Clad Cabinet, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountain (Elkay LZS8WSLK)	1,941.27	188.64
22 47 13 00-0044	EA	Vinyl Clad Cabinet, Stainless Steel Wall-Mounted Indoor, Bottle Filling Station With Drinking Fountain (Elkay LZS8WSLP)	1,943.61	188.64
22 47 13 00-0045	EA	Surface Mounted, Stainless Steel, Filtered Non-Refrigerated, Bottle Filling Station Kit (Elkay LZWSSM)	1,608.27	134.74
22 47 13 00-0046	EA	Wall Mounted, Non-Filtered Non-Refrigerated, Retrofit Bottle Filling Station Kit (Elkay EMABFWS-RF)	1,203.72	134.74
22 47 13 00-0047		**Semi-Recessed Indoor Drinking Fountain** *(22 47 13 00-0005)*		
22 47 13 00-0048	EA	Stainless Steel Semi-Recessed Indoor Drinking Fountain With Bubbler (Halsey-Taylor 5801)	2,271.07	202.10
22 47 13 00-0049	EA	Stainless Steel Semi-Recessed Indoor Drinking Fountain With Bubbler And Cuspidor (Halsey-Taylor 5801C)	5,049.68	202.10
22 47 13 00-0050		**Fully Recessed Indoor Drinking Fountain** *(22 47 13 00-0005)*		
22 47 13 00-0051	EA	Stainless Steel Fully-Recessed, With Bubbler, Indoor Drinking Fountain (Halsey-Taylor 8880, Haws 2400)	2,429.64	215.58
22 47 13 00-0052	EA	Stainless Steel Fully-Recessed, With Bubbler And Cuspidor, Indoor Drinking Fountain (Halsey-Taylor 8800 With 10245, Haws 2403)	4,561.35	215.58
22 47 13 00-0053	EA	Stainless Steel Fully-Recessed Indoor Drinking Fountain With Bubbler, Barrier Free (Haws 2401)	2,983.43	215.58
22 47 13 00-0054	EA	Stainless Steel Fully-Recessed Indoor Drinking Fountain With Bubbler, Barrier Free (Haws 2406)	6,929.02	215.58
22 47 13 00-0055	EA	Stainless Steel Fully-Recessed Indoor Drinking Fountain With Bubbler (Haws 2403)	4,668.89	215.58
22 47 13 00-0056		**Countertop Indoor Drinking Fountain** *(22 47 13 00-0005)*		
22 47 13 00-0057	EA	Stainless Steel Countertop Circular Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 10000)	974.16	134.74
22 47 13 00-0058	EA	Stainless Steel Countertop Rectangular Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 6000)	934.03	134.74
22 47 13 00-0059	EA	Stainless Steel Countertop Oval Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 6028)	1,153.95	134.74
22 47 13 00-0060		**Bowl And Bracket Indoor Drinking Fountain** *(22 47 13 00-0005)*		
22 47 13 00-0061	EA	Stainless Steel, Bowl And Bracket With Pushbutton Bubbler, Indoor Drinking Fountain (Halsey-Taylor 2501A)	807.22	134.74
22 47 13 00-0062	EA	Stainless Steel, Bowl And Bracket, Self Closing Lever Handle Stop, Indoor Drinking Fountain (Halsey-Taylor 4540)	993.64	134.74
22 47 13 00-0063		**Multi-Station Indoor Drinking Fountain** *(22 47 13 00-0005)*		
22 47 13 00-0064	EA	Two Station, Stainless Steel, Indoor Drinking Fountains With Bubbler And Built In Backsplash, With Bottom Cover Plate (Halsey-Taylor 7020)	4,745.94	215.58
22 47 13 00-0065	EA	Three Station, Stainless Steel, Indoor Drinking Fountains With Bubbler And Built In Backsplash, With Bottom Cover Plate (Halsey-Taylor 7030)	6,010.78	215.58
22 47 13 00-0066	EA	Two Station, Marblyte, Face-Mounted Indoor Drinking Fountain With Bubblers (Halsey-Taylor 7120)	4,519.44	215.58
22 47 13 00-0067	EA	Two Station, White Enameled Iron Indoor Drinking Fountains With Bubblers (Haws 1430)	3,786.03	215.58
22 47 13 00-0068	EA	Three Station, White Enameled Iron Indoor Drinking Fountains With Bubblers (Haws 1435)	4,810.15	215.58
22 47 13 00-0069	EA	Bi-Level, Stainless Steel, Indoor Drinking Fountain With Bubblers And Back Panel (Halsey-Taylor HRFSEBP, Haws 1119.14 With 6700.4)	4,122.72	275.00
22 47 13 00-0070	EA	Two Station, Cast Aluminum Indoor Drinking Fountains With Bubblers (Haws 1441)	5,565.72	215.58
22 47 13 00-0071	EA	Three Station, Cast Aluminum Indoor Drinking Fountains With Bubblers (Haws 1408)	5,466.79	215.58
22 47 13 00-0072	EA	Two Station, White Enameled Iron Indoor Drinking Fountains With Bubblers (Haws 1431)	3,934.35	215.58
22 47 13 00-0073	EA	Two Station, White Enameled Iron Indoor Drinking Fountains With Bubblers (Haws 1501)	4,012.37	215.58

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47 13 00-0074	EA	White Enameled Iron, Dual Height, Drinking Fountain (Haws 1501 with 6715)	4,615.02	275.00
22 47 13 00-0075		**Outdoor Drinking Fountains** *(22 47 13)*		
22 47 13 00-0076		**Face Mounted Outdoor Drinking Fountains** *(22 47 13 00-0075)*		
22 47 13 00-0077	EA	Stainless Steel Freeze Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor HRFE-FR)	2,100.31	215.58
22 47 13 00-0078	EA	Stainless Steel Freeze Resistant Face Mounted, With Back Panel, Outdoor Drinking Fountain With Bubbler (Halsey-Taylor HRFEBP-FR)	2,318.28	215.58
22 47 13 00-0079	EA	Stone Aggregate Weather Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4592)	2,223.64	215.58
22 47 13 00-0080	EA	Stone Aggregate Freeze Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4592-FR)	3,339.27	215.58
22 47 13 00-0081		**Free Standing Outdoor Drinking Fountains** *(22 47 13 00-0075)*		
22 47 13 00-0082	EA	Steel Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4715)	4,146.89	202.10
22 47 13 00-0083	EA	Steel Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4715-FR)	5,886.31	202.10
22 47 13 00-0084	EA	Steel Barrier-Free Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4710)	4,141.11	202.10
22 47 13 00-0085	EA	Steel Barrier-Free Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4710-FR)	5,775.21	202.10
22 47 13 00-0086	EA	Steel Barrier-Free Bi-level Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4720)	6,227.31	215.58
22 47 13 00-0087	EA	Steel Barrier-Free Bi-level Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4720-FR)	6,343.46	215.58
22 47 13 00-0088	EA	Stone Aggregate Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4591)	2,265.51	202.10
22 47 13 00-0089	EA	Stone Aggregate Barrier-Free Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4590)	4,020.70	202.10
22 47 13 00-0090	EA	Stone Aggregate Barrier-Free Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4590-FR)	5,760.12	202.10
22 47 13 00-0091	EA	Stone Aggregate Barrier-Free Bi-level Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4595)	6,796.60	215.58
22 47 13 00-0092	EA	Stone Aggregate Barrier-Free Bi-level Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4595-FR)	9,604.34	215.58
22 47 13 00-0093	EA	Hi-Lo Pedestal Style Drinking Fountain (Haws Model 3500)	7,352.79	215.58
22 47 13 00-0094	EA	Pedestal Outdoor Drinking Fountain, Triple (Haws 3502)	9,619.34	215.58
22 47 13 00-0095		**Wall Mounted Outdoor Drinking Fountains** *(22 47 13 00-0075)*		
22 47 13 00-0096	EA	Stainless Steel, Single Wall Mounted Drinking Fountain (Haws 1105)	2,183.07	202.10
22 47 13 00-0097	EA	Stainless Steel, Single Low Profile Wall Mounted Drinking Fountain (Haws 1107L)	2,617.69	202.10
22 47 13 00-0098	EA	Stainless Steel, Single Wall Mounted Drinking Fountain (Haws 1109)	2,426.64	202.10
22 47 13 00-0099	EA	White Polymarble Barrier-Free Single Drinking Fountain (Haws 1075)	2,613.12	202.10
22 47 13 00-0100	EA	Vitreous China Single Drinking Fountain (Haws 1201)	2,130.64	202.10
22 47 13 00-0101		**Multi-Station Outdoor Drinking Fountains** *(22 47 13 00-0075)*		
22 47 13 00-0102	EA	Stainless Steel, Hi/Lo Wall Mounted Drinking Fountain (Haws 1119)	3,891.98	215.58
22 47 13 00-0103	EA	Stainless Steel, 3 Position Adjustable Hi/Lo Wall Mounted Drinking Fountain (Haws 1117L)	4,744.22	215.58
22 47 13 00-0104	EA	White Polymarble Barrier-Free Two Bowl (Hi-Lo) Drinking Fountain (Haws 1085)	5,580.52	215.58
22 47 13 00-0105	EA	White Cast Aluminum Three Station Outdoor Drinking Fountains With Bubblers (Haws 1408)	4,615.92	215.58
22 47 16		**Pressure Water Coolers** *(22 47)*		
22 47 16 00-0001		**Indoor Water Coolers** *(22 47 16)*		
22 47 16 00-0002		**Face Mounted Indoor Water Coolers** *(22 47 16 00-0001)*		
22 47 16 00-0003	EA	Stainless Steel, Semi-Circular Water Cooler With Bubbler, Face-Mounted, Extended Length, 180 Degree Push Bar, 7.5 GPH (Halsey-Taylor OVL-II ER-Q)	4,768.95	215.58
22 47 16 00-0004	EA	Stainless Steel, Semi-Circular Water Cooler, Electronic Sensor, Face-Mounted, Extended Length, With Bubbler, 7.5 GPH (Halsey-Taylor OVL-II EREE-Q)	5,103.07	215.58
22 47 16 00-0005		**Wall Mounted Indoor Water Coolers** *(22 47 16 00-0001)*		
22 47 16 00-0006	EA	Stainless Steel Wall-Mounted Compact Water Cooler, 4 GPH, With Bubbler, (Halsey-Taylor SW4A-Q)	2,180.62	215.58
22 47 16 00-0007	EA	Stainless Steel Wall-Mounted Compact Water Cooler, 8 GPH, With Bubbler (Halsey-Taylor SW8A-Q)	2,266.66	215.58
22 47 16 00-0008	EA	Stainless Steel Wall-Mounted Compact Water Cooler, 14 GPH, With Bubbler (Halsey-Taylor SW14A-Q)	2,536.24	215.58
22 47 16 00-0009	EA	Stainless Steel Wall-Mounted Vandal Resistant Compact Water Cooler With Bubbler, 8 GPH (Halsey-Taylor SW8A-VR-Q-SS)	2,639.49	215.58
22 47 16 00-0010	EA	Stainless Steel Wall-Mounted Vandal Resistant Barrier Free Water Cooler With Bubbler, 8 GPH (Halsey-Taylor HVR8-CHILD ADA)	1,911.03	215.58
22 47 16 00-0011	EA	Stainless Steel Wall-Mounted Barrier Free Water Cooler With Bubbler, Front And Side Pushbar, 8 GPH (Halsey-Taylor WC8AFS-Q-SS)	2,240.84	215.58
22 47 16 00-0012	EA	Stainless Steel Wall-Mounted Barrier Free Water Cooler With Bubbler, Front And Side Pushbar, 8 GPH (Halsey-Taylor HAC8FS-Q Child SS)	1,726.04	215.58
22 47 16 00-0013	EA	Stainless Steel Wall-Mounted Water Cooler, 8 GPH, With Bubbler, (Halsey-Taylor HAC8VR-BL)	2,682.98	215.58
22 47 16 00-0014	EA	Stainless Steel, Wall Mounted, Barrier Free, Bi-Level Indoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HAC8FSBL-Q-SS)	2,923.90	323.37
22 47 16 00-0015		**Simulated Recessed Indoor Water Coolers** *(22 47 16 00-0001)*		
22 47 16 00-0016	EA	Stainless Steel Simulated Recessed Water Cooler With Bubbler, 8 GPH (Halsey-Taylor RWM8A-Q)	2,633.50	215.58

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47 16 00-0017		**Fully Recessed Indoor Water Coolers** *(22 47 16 00-0001)*		
22 47 16 00-0018	EA	Stainless Steel Fully-Recessed Water Cooler With Bubbler, 8 GPH (Halsey-Taylor RC8A-Q)	5,255.87	242.53
22 47 16 00-0019	EA	Stainless Steel Fully-Recessed Water Cooler With Bubbler And Cup Dispenser, 8 GPH (Halsey-Taylor RC8AQ + 14762)	6,462.79	242.53
22 47 16 00-0020	EA	Stainless Steel Fully-Recessed Water Cooler With Bubbler And Cup Dispenser And Glass Filler, 8 GPH (Halsey-Taylor RC8A-Q-14700)	7,597.67	242.53
22 47 16 00-0021		**Free Standing Indoor Water Coolers** *(22 47 16 00-0001)*		
22 47 16 00-0022	EA	Stainless Steel, Free-Standing Indoor Water Cooler, 4 GPH, With Bubbler (Halsey-Taylor SCWT4A-Q)	2,116.68	188.64
22 47 16 00-0023	EA	Stainless Steel, Free-Standing Indoor Water Cooler, 8 GPH, With Bubbler (Halsey-Taylor SCWT8A-Q)	2,284.45	188.64
22 47 16 00-0024	EA	Stainless Steel, Free-Standing Indoor Water Cooler, 14 GPH, With Bubbler (Halsey-Taylor SCWT14A-Q)	2,612.84	188.64
22 47 16 00-0025	EA	Stainless Steel, Free-Standing Vandal Resistant Water Cooler With Bubbler, 14 GPH (Halsey-Taylor SCWT14A-VR-Q)	2,924.01	188.64
22 47 16 00-0026		**Bottled Water Coolers** *(22 47 16 00-0001)*		
22 47 16 00-0027	EA	Free-Standing Bottled Water Cooler With Chilled Or Room Temperature Water	699.28	107.79
22 47 16 00-0028	EA	Free-Standing Bottled Water Cooler With Chilled Or Hot Water	853.38	107.79
22 47 16 00-0029		**Multi-Station Indoor Water Coolers** *(22 47 16 00-0001)*		
22 47 16 00-0030	EA	Stainless Steel, Wall Mounted, Two Station, Semi-Circular Indoor Water Cooler With Bubblers, 180 Degree Push Bars, 7.5 GPH (Halsey-Taylor OVL-II SER-Q)	6,266.90	323.37
22 47 16 00-0031	EA	Stainless Steel, Wall Mounted, Two Station, Electronic Sensor Semicircular Indoor Water Cooler With Bubblers, 180 Degree Push Bars, 7.5 GPH (Halsey-Taylor OVL-II-SEREE-Q)	7,232.99	323.37
22 47 16 00-0032	EA	Stainless Steel, Wall Mounted, Barrier Free, Bi-Level, Vandal Resistant Indoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HVR8BL-CHILD ADA-SS)	3,192.06	323.37
22 47 16 00-0033		**Outdoor Water Coolers** *(22 47 16)*		
22 47 16 00-0034		**Wall Mounted Outdoor Water Coolers** *(22 47 16 00-0033)*		
22 47 16 00-0035	EA	Stainless Steel, Wall Mounted, Barrier Free, Vandal Resistant, Frost Resistant Outdoor Water Cooler With Bubbler, 8 GPH (Halsey-Taylor HVR8FR-CHILD ADA-SS)	2,332.17	134.74
22 47 16 00-0036	EA	Stainless Steel, Wall Mounted, Barrier Free, Bi-Level, Vandal Resistant Outdoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HVR8BLFR-CHILD ADA-SS)	4,089.61	134.74
22 47 16 00-0037		**Free Standing Outdoor Water Coolers** *(22 47 16 00-0033)*		
22 47 16 00-0038	EA	Stainless Steel Free-Standing Outdoor Water Cooler With Bubbler, 14 GPH (Halsey-Taylor HOF14A-Q)	3,864.40	202.10
22 47 16 00-0039	EA	Stainless Steel Free-Standing Frost Resistant Outdoor Water Cooler With Bubbler, 14 GPH (Halsey-Taylor HOF14A-FR-Q)	4,667.43	202.10
22 47 16 00-0040		**Removal And Reinstallation Of Fixtures And Trim** *(22 47 16)*		
		Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 47 16 00-0041	EA	Removal And Reinstallation Of Wall Hung Water Cooler	523.88	
22 47 16 00-0042	EA	Removal And Reinstallation Of Floor Mount Water Cooler	117.05	
22 47 19		**Water-Station Water Coolers** *(22 47)*		
22 47 19 00-0001		**Bottle Filler** *(22 47 19)*		
22 47 19 00-0002	EA	Outdoor Tubular Bottle Filling Station, Surface Mount (Elkay LK4410BF)	4,298.35	215.58
		For Stainless Steel Carrier, Add	*205.00*	
22 47 19 00-0003	EA	Outdoor Tubular Bottle Filling Station, Surface Mount, Freeze Resistant (Elkay LK4410BFFRK)	7,204.76	215.58
		For Stainless Steel Carrier, Add	*205.00*	
22 47 19 00-0004	EA	Tri-level Outdoor Tubular Bottle Filling Station With Single Bottle Filler And Two Drinking Fountain Basins, Surface Mount (Elkay LK4430BF1)	9,277.97	242.53
		For Stainless Steel Carrier, Add	*205.00*	
22 47 19 00-0005	EA	Tri-level Outdoor Tubular Bottle Filling Station With Two Bottle Fillers And Single Drinking Fountain Basin, Surface Mount (Elkay LK4430BF2)	10,041.89	242.53
		For Stainless Steel Carrier, Add	*205.00*	
22 47 19 00-0006	EA	Tri-level Outdoor Tubular Bottle Filling Station With Three Bottle Fillers, Surface Mount (Elkay LK4430BF3)	10,805.81	242.53
		For Stainless Steel Carrier, Add	*205.00*	
22 47 23		**Remote Water Coolers** *(22 47)*		
22 47 23 00-0001		**Remote Chillers** *(22 47 23)*		
22 47 23 00-0002	EA	1.5 GPH Remote Chiller (Halsey-Taylor SJ1-Q)	1,347.19	72.76
22 47 23 00-0003	EA	5 GPH Remote Chiller (Halsey-Taylor SJ5-Q)	2,071.74	80.85
22 47 23 00-0004	EA	8 GPH Remote Chiller (Halsey-Taylor SJ8-Q)	1,760.27	94.31
22 47 23 00-0005	EA	10 GPH Remote Chiller (Halsey-Taylor SJ10-Q)	2,276.21	107.79
22 47 23 00-0006	EA	19 GPH Remote Chiller (Halsey-Taylor SJ19-Q)	3,571.35	161.69
22 47 23 00-0007	EA	30 GPH Remote Chiller (Halsey-Taylor SJ30-Q)	3,872.15	175.16
22 47 26		**Fixture Carriers** *(22 47)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47 26 00-0001		Water Cooler Carriers *(22 47 26)*		
22 47 26 00-0002		Floor Mounted, Water Cooler Carriers *(22 47 26 00-0001)* Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 47 26 00-0003	EA	Floor Mounted Hanger Plate Type, Single Water Cooler Carrier	597.71	40.96
		For Up To 4" Extension Sleeves And Hardware, Add	*33.74*	
		For Bi-Level Carrier, Add	*371.74*	
22 47 26 00-0004	EA	Floor Mounted Bearing Plate Type, Single Water Cooler Carrier	711.53	40.96
		For Up To 4" Extension Sleeves And Hardware, Add	*33.74*	
		For Bi-Level Carrier, Add	*371.74*	

22 50 Pool and Fountain Plumbing Systems *(22)*

22 51 Swimming Pool Plumbing Systems *(22 50)*

22 51 13 Swimming Pool Piping *(22 51)*

22 51 13 00-0001		Swimming Pool Gutters *(22 51 13)*		
22 51 13 00-0002	LF	Swimming Pool Gutters, Stainless	277.68	24.26
22 51 13 00-0003		Pool Drains *(22 51 13)*		
22 51 13 00-0004		Cast Iron Pool Drain With Bottom Outlet *(22 51 13 00-0003)* Note: Large square top and 24" loose set round super-flo grate.		
22 51 13 00-0005	EA	Cast Iron Pool Drain, 4" - 8" Bottom Outlet, Large Square Top And 24" Super-Flo Grate	2,375.57	67.91
		For Polished Bronze Top, Add	*769.60*	
		For Chromium Plated Top, Add	*805.00*	
		For Galvanized Top, Add	*276.40*	
		For Vandal Proof Construction, Add	*57.20*	
22 51 13 00-0006		Cast Iron Pool Drain With Waterproof Flange *(22 51 13 00-0003)* Note: Bottom outlet 14" square top and loose set square flange.		
22 51 13 00-0007	EA	Cast Iron Pool Drain, 2" - 4" Bottom Outlet With Waterproof Flange And 14" Square Top	706.72	67.91
		For Clamp Device, Add	*13.80*	
		For Galvanized Top, Add	*38.10*	
		For Polished Bronze Top, Add	*133.50*	
		For Chromium Plated Top, Add	*146.90*	
		For Hinge Grate, Add	*28.60*	
		For Supplementary Strainer, Add	*7.00*	
		For Threaded Outlet, Add	*9.50*	
		For Vandal Proof Construction, Add	*17.10*	
		For Ground Screw, Add	*18.30*	
22 51 13 00-0008		Pool Supply Fittings *(22 51 13)*		
22 51 13 00-0009		Cast Iron Pool Supply Fittings *(22 51 13 00-0008)* Note: Includes polished bronze head and anchor flange and adjustable V-ported valve insert and threaded inlet.		
22 51 13 00-0010	EA	Cast Iron Pool Fitting For 2" Pipe	898.10	121.27
		For Galvanized Head, Add	*26.30*	
		For Vandal Proof Construction, Add	*11.50*	
		For Grounding Screw, Add	*18.30*	
22 51 13 00-0011	EA	Cast Iron Pool Fitting For 3" Pipe	898.10	121.27
		For Chromium Plated Head, Add	*11.50*	
		For Galvanized Head, Add	*26.30*	
		For Vandal Proof Construction, Add	*11.50*	
		For Grounding Screw, Add	*18.30*	

22 51 16 Swimming Pool Pumps *(22 51)*

22 51 16 00-0001		Variable Speed Pool Pumps *(22 51 16)*		
22 51 16 00-0002	EA	3 HP, Variable Speed Pool Pump With Vacuum Release (Pentair INTELLIFLO VS+SVRS 11017)	2,815.47	458.11
22 51 16 00-0003	EA	Variable Speed Pool Pump (Hayward EcoStar SVRS SP3400VSP)	3,085.00	458.11
22 51 16 00-0004	EA	Variable Speed Pool Pump With Vacuum Release (Hayward EcoStar SVRS SP3400VSPVR)	3,446.76	458.11
22 51 16 00-0005		Electric Powered Portable Vacuum Cleaner Pump *(22 51 16)* Note: Includes 75' of 3 wire electric safety cord.		
22 51 16 00-0006	EA	1 HP Electric Portable Vacuum Cleaner Pump With 75' Of 3-Wire Safety Cord	372.06	53.90
22 51 16 00-0007	EA	1-1/2 HP Electric Portable Vacuum Cleaner Pump With 75' Of 3-Wire Safety Cord	644.90	53.90
22 51 16 00-0008		Gasoline Driven Portable Vacuum Cleaner Pump *(22 51 16)*		
22 51 16 00-0009	EA	3 HP Gasoline Driven Portable Vacuum Cleaner Pump	2,458.76	53.90

22 51 19 Swimming Pool Water Treatment Equipment *(22 51)*

22 51 19 00-0001		Swimming Pool Heaters *(22 51 19)* Note: Excludes wiring, external piping, base or pad. Commercial pools.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 19 00-0002		**Electric Pool Heaters** *(22 51 19 00-0001)*		
22 51 19 00-0003	EA	12 KW Heater (1 Degree/Hour), For 4,800 Gallon Pool	4,341.76	215.58
22 51 19 00-0004	EA	18 KW Heater (1 Degree/Hour), For 7,200 Gallon Pool	4,853.05	231.75
22 51 19 00-0005	EA	24 KW Heater (1 Degree/Hour), For 9,600 Gallon Pool	5,390.87	269.48
22 51 19 00-0006	EA	30 KW Heater (1 Degree/Hour), For 12,000 Gallon Pool	5,704.05	323.37
22 51 19 00-0007	EA	36 KW Heater (1 Degree/Hour), For 14,400 Gallon Pool	6,268.75	452.72
22 51 19 00-0008	EA	60 KW Heater (1 Degree/Hour), For 24,000 Gallon Pool	7,176.63	646.74
22 51 19 00-0009		**Gas Fired Pool Heaters** *(22 51 19 00-0001)*		
22 51 19 00-0010	EA	120 MBH Output Gas Fired Pool Heater	6,163.92	1,051.68
22 51 19 00-0011	EA	180 MBH Output Gas Fired Pool Heater	7,000.40	1,201.92
22 51 19 00-0012	EA	240 MBH Output Gas Fired Pool Heater	7,910.94	1,352.16
22 51 19 00-0013	EA	300 MBH Output Gas Fired Pool Heater	9,090.29	1,652.64
22 51 19 00-0014	EA	360 MBH Output Gas Fired Pool Heater	9,363.09	1,746.39
22 51 19 00-0015	EA	400 MBH Output Gas Fired Pool Heater	10,947.22	2,131.53
22 51 19 00-0016	EA	500 MBH Output Gas Fired Pool Heater	17,352.78	2,459.45
22 51 19 00-0017	EA	600 MBH Output Gas Fired Pool Heater	20,143.33	2,705.40
22 51 19 00-0018	EA	750 MBH Output Gas Fired Pool Heater	22,729.64	2,951.34
22 51 19 00-0019	EA	1,000 MBH Output Gas Fired Pool Heater	29,188.10	3,484.23
22 51 19 00-0020		**Condensing Pool Water Heater** *(22 51 19)*		
22 51 19 00-0021	EA	372 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN400)	41,465.63	772.57
22 51 19 00-0022	EA	467 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN501)	45,157.94	927.08
22 51 19 00-0023	EA	567 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN601)	49,522.88	1,004.34
22 51 19 00-0024	EA	660 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN701)	60,866.00	1,081.59
22 51 19 00-0025	EA	773 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN801)	63,127.18	1,158.85
22 51 19 00-0026	EA	967 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN1015)	95,758.96	1,390.62
22 51 19 00-0027	EA	1,257 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN1320)	122,769.17	1,467.87
22 51 19 00-0028	EA	1,450 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN1520)	127,709.41	1,583.76
22 51 19 00-0029		**Non-Condensing Pool Water Heater** *(22 51 19)*		
22 51 19 00-0030	EA	500 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN0502)	22,216.77	1,004.34
22 51 19 00-0031	EA	650 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN0652)	23,675.61	1,081.59
22 51 19 00-0032	EA	750 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN0752)	25,796.54	1,158.85
22 51 19 00-0033	EA	990 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN0992)	34,116.35	1,390.62
22 51 19 00-0034	EA	1,260 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN1262)	39,560.86	1,467.87
22 51 19 00-0035	EA	1,440 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN1442)	42,229.40	1,583.76
22 51 19 00-0036	EA	1,800 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN1802)	41,824.24	1,661.02
22 51 19 00-0037	EA	2,070 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN2072)	54,294.61	1,699.65
22 51 19 00-0038		**Surge Tanks** *(22 51 19)* Note: Includes 100 GPM vertical pump with 2 HP motor and electronic float switch. Prices are for 1' To 5' sump depth for pump.		
22 51 19 00-0039	EA	1,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch	22,345.27	859.10
22 51 19 00-0040	EA	1,500 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch	25,116.61	859.10
22 51 19 00-0041	EA	2,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch	30,245.62	1,095.22
22 51 19 00-0042	EA	5,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch	39,818.43	1,767.58
22 51 19 00-0043		**Diatomite Type Filter System** *(22 51 19)*		
22 51 19 00-0044	EA	35,000 Gallon Filter System, Diatomite	14,865.64	3,051.99
22 51 19 00-0045	EA	45,000 Gallon Filter System, Diatomite	17,724.57	3,662.39
22 51 19 00-0046		**Silver Recovery System, X-Ray Film Processing** *(22 51 19)*		
22 51 19 00-0047	EA	20 Gallon/Day Capacity, Silver Recovery System	2,013.33	365.80
22 51 19 00-0048	EA	40 Gallon/Day Capacity, Silver Recovery System	2,956.31	487.77
22 51 19 00-0049		**Inline Water Filter** *(22 51 19)* Note: 3/8" NPT threaded inlet and outlet, 125 PSI, includes one filter cartridge.		
22 51 19 00-0050	EA	2 GPM Water Filter, 100 Degree Temperature, 8" x 5" Diameter, Plastic Body	265.15	107.79
22 51 19 00-0051	EA	6 GPM Water Filter, 250 Degree Temperature, 12" x 5" Diameter, Stainless Steel Body	482.99	161.69
22 51 19 00-0052		**Horizontal High Rate Sand Filters** *(22 51 19)* Note: Includes sand, filter system equipment and attached accessory gauges.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 19 00-0053	EA	135-270 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls Note: 1 tank, 4" pipe size, Miami Tanks model # HH3614-A.	41,944.64	2,305.62
22 51 19 00-0054	EA	135-270 GPM Horizontal Hi-Rate Sand Filter, Manual Controls Note: 1 tank, 4" pipe size, Miami tanks model # HH3614-M.	25,558.38	2,305.62
22 51 19 00-0055	EA	270-405 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls Note: 2 tank, 4" pipe size, Miami tanks model # HH3624-A.	57,981.98	4,611.23
22 51 19 00-0056	EA	270-405 GPM Horizontal Hi-Rate Sand Filter, Manual Controls Note: 2 tank, 4" pipe size, Miami tanks model # HH3624-M.	45,831.16	4,611.23
22 51 19 00-0057	EA	270-540 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls Note: 2 tank, 6" pipe size, Miami tanks model # HH3626-A.	59,609.32	4,611.23
22 51 19 00-0058	EA	270-540 GPM Horizontal Hi-Rate Sand Filter, Manual Controls Note: 2 tank, 6" pipe size, Miami tanks model # HH3626-M.	47,701.52	4,611.23
22 51 19 00-0059	EA	405-810 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls Note: 3 tank, 6" pipe size, Miami tanks model # HH3636-A.	81,431.13	6,916.84
22 51 19 00-0060	EA	405-810 GPM Horizontal Hi-Rate Sand Filter, Manual Controls Note: 3 tank, 6" pipe size, Miami tanks model # HH3636-M.	63,356.78	6,916.84
22 51 19 00-0061	EA	405-810 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls Note: 3 tank, 8" pipe size, Miami tanks model # HH3638-A.	83,774.50	6,916.84
22 51 19 00-0062	EA	405-810 GPM Horizontal Hi-Rate Sand Filter, Manual Controls Note: 3 tank, 8" pipe size, Miami tanks model # HH3638-M.	70,135.82	6,916.84
22 51 19 00-0063	EA	540-810 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls Note: 4 tank, 6" pipe size, Miami tanks model # HH3646-A.	105,101.45	9,222.46
22 51 19 00-0064	EA	540-810 GPM Horizontal Hi-Rate Sand Filter, Manual Controls Note: 4 tank, 6" pipe size, Miami tanks model # HH3646-M.	89,787.08	9,222.46
22 51 19 00-0065	EA	675 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls Note: 5 tank, 6" pipe size, Miami tanks model # HH3656-A.	127,778.89	11,528.07
22 51 19 00-0066	EA	675 GPM Horizontal Hi-Rate Sand Filter, Manual Controls Note: 5 tank, 6" pipe size, Miami tanks model # HH3656-M.	108,055.50	11,528.07
22 51 19 00-0067	EA	675-1350 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls Note: 5 tank, 8" pipe size, Miami tanks model # HH3658-A.	131,376.41	11,528.07
22 51 19 00-0068	EA	675-1350 GPM Horizontal Hi-Rate Sand Filter, Manual Controls Note: 5 tank, 8" pipe size, Miami tanks model # HH3658-M.	111,988.40	11,528.07
22 51 19 00-0069	EA	810 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls Note: 6 tank, 6" pipe size, Miami tanks model # HH3666-A.	151,719.41	13,833.69
22 51 19 00-0070	EA	810 GPM Horizontal Hi-Rate Sand Filter, Manual Controls Note: 6 tank, 6" pipe size, Miami tanks model # HH3666-M.	129,778.50	13,833.69
22 51 19 00-0071	EA	810-1620 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls Note: 6 tank, 8" pipe size, Miami tanks model # HH3668-A.	154,861.27	13,833.69
22 51 19 00-0072	EA	810-1620 GPM Horizontal Hi-Rate Sand Filter, Manual Controls Note: 6 tank, 8" pipe size, Miami tanks model # HH3668-M.	132,336.74	13,833.69
22 51 19 00-0073	EA	810-1620 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls Note: 6 tank, 10" pipe size, Miami tanks model # HH36610-A.	159,066.32	13,833.69
22 51 19 00-0074	EA	810-1620 GPM Horizontal Hi-Rate Sand Filter, Manual Controls Note: 6 tank, 10" pipe size, Miami tanks model # HH36610-M.	126,923.05	13,833.69
22 51 19 00-0075	EA	945-1418 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls Note: 7 tank, 8" pipe size, Miami tanks model # HH3678-A.	178,820.50	16,139.31
22 51 19 00-0076	EA	945-1418 GPM Horizontal Hi-Rate Sand Filter, Manual Controls Note: 7 tank, 8" pipe size, Miami tanks model # HH3678-M.	156,878.03	16,139.31
22 51 19 00-0077	EA	945-1890 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls Note: 7 tank, 10" pipe size, Miami tanks model # HH36710-A.	184,108.90	16,139.31
22 51 19 00-0078	EA	945-1890 GPM Horizontal Hi-Rate Sand Filter, Manual Controls Note: 7 tank, 10" pipe size, Miami tanks model # HH36710-M.	161,573.46	16,139.31
22 51 19 00-0079	EA	1080-2160 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls Note: 8 tank, 10" pipe size, Miami tanks model # HH36810-A.	204,869.56	18,444.91
22 51 19 00-0080	EA	1080-2160 GPM Horizontal Hi-Rate Sand Filter, Manual Controls Note: 8 tank, 10" pipe size, Miami tanks model # HH36810-M.	182,577.14	18,444.91
22 51 19 00-0081		**Swimming Pool Chlorinators** *(22 51 19)*		
22 51 19 00-0082	EA	Swimming Pool Chlorinator, 50-100 PPD, Direct Cylinder Mounted Gas Chlorinator	1,136.68	154.14
22 51 19 00-0083		**Ultra-Violet Pool Treatment Lights** *(22 51 19)*		
22 51 19 00-0084		**Stainless Steel Ultra-Violet Pool Treatment Lights** *(22 51 19 00-0083)* Note: Delta ELP Amalgam Series		
22 51 19 00-0085	EA	3" Flanged, 79 GPM, 2 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	16,140.95	336.09
22 51 19 00-0086	EA	3" Flanged, 116 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	17,068.42	336.09
22 51 19 00-0087	EA	3" Flanged, 158 GPM, 4 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	17,863.40	336.09
22 51 19 00-0088	EA	4" Flanged, 254 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	18,426.73	355.90
22 51 19 00-0089	EA	4" Flanged, 295 GPM, 6 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	18,820.69	355.90
22 51 19 00-0090	EA	4" Flanged, 329 GPM, 7 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	22,398.02	355.90
22 51 19 00-0091	EA	6" Flanged, 396 GPM, 6 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	26,404.15	639.13
22 51 19 00-0092	EA	6" Flanged, 440 GPM, 2 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	39,204.38	639.13
22 51 19 00-0093	EA	6" Flanged, 650 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	43,049.95	639.13
22 51 19 00-0094	EA	8" Flanged, 695 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	46,152.38	766.75
22 51 19 00-0095	EA	8" Flanged, 920 GPM, 4 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	49,577.82	766.75
22 51 19 00-0096	EA	8" Flanged, 1140 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	51,969.19	766.75
22 51 19 00-0097	EA	8" Flanged, 1260 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	54,554.44	766.75
22 51 19 00-0098	EA	10" Flanged, 1510 GPM, 6 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	58,590.01	871.55
22 51 19 00-0099	EA	10" Flanged, 1760 GPM, 7 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	63,114.22	871.55
22 51 19 00-0100	EA	10" Flanged, 2010 GPM, 8 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	67,638.40	871.55
22 51 19 00-0101	EA	10" Flanged, 2520 GPM, 10 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	73,132.06	871.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 19 00-0102		HDPE Ultra-Violet Pool Treatment Lights *(22 51 19 00-0083)*		
		Note: Delta EL Series		
22 51 19 00-0103	EA	3" Flanged, 116 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With HDPE Housing	8,013.61	336.09
22 51 19 00-0104	EA	3" Flanged, 158 GPM, 4 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With HDPE Housing	8,918.41	336.09
22 51 19 00-0105	EA	4" Flanged, 254 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With HDPE Housing	9,853.12	355.90
22 51 19 00-0106		In-Line, Stainless Steel Ultra-Violet Pool Treatment Lights *(22 51 19 00-0083)*		
		Note: Delta EM Series		
22 51 19 00-0107	EA	3" Flanged, 100 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	31,280.85	336.09
22 51 19 00-0108	EA	3" Flanged, 170 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	31,603.98	336.09
22 51 19 00-0109	EA	6" Flanged, 300 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	33,691.35	639.13
22 51 19 00-0110	EA	6" Flanged, 600 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	42,700.93	639.13
22 51 19 00-0111	EA	8" Flanged, 1300 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	59,595.68	766.75
22 51 19 00-0112	EA	10" Flanged, 2000 GPM, 2 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	67,250.62	871.55
22 51 19 00-0113	EA	12" Flanged, 3000 GPM, 3 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	79,273.32	1,127.82
22 51 19 00-0114	EA	12" Flanged, 4000 GPM, 4 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	88,967.99	1,127.82
22 51 23		**Swimming Pool Equipment Controls** *(22 51)*		
22 51 23 00-0001		Pool Pump Variable Frequency Drive *(22 51 23)*		
		Note: Pentair Acu Drive XS		
22 51 23 00-0002	EA	3 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N01)	4,777.37	242.43
22 51 23 00-0003	EA	5 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N01)	5,129.35	272.74
22 51 23 00-0004	EA	7-1/2 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N01)	6,143.39	340.92
22 51 23 00-0005	EA	10 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N01)	6,532.59	406.83
22 51 23 00-0006	EA	15 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N01)	6,991.40	473.50
22 51 23 00-0007	EA	20 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N01)	7,923.78	540.93
22 51 23 00-0008	EA	3 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N01)	4,783.40	242.43
22 51 23 00-0009	EA	5 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N01)	5,042.93	272.74
22 51 23 00-0010	EA	7-1/2 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N01)	5,435.94	340.92
22 51 23 00-0011	EA	10 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N01)	5,845.24	406.83
22 51 23 00-0012	EA	15 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N01)	6,892.92	473.50
22 51 23 00-0013	EA	20 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N01)	7,656.48	540.93
22 51 23 00-0014	EA	3 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N01FB)	6,172.18	242.43
22 51 23 00-0015	EA	5 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N01FB)	7,096.95	272.74
22 51 23 00-0016	EA	7-1/2 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N01FB)	7,887.89	340.92
22 51 23 00-0017	EA	10 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N01FB)	8,504.20	406.83
22 51 23 00-0018	EA	15 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N01FB)	10,012.13	473.50
22 51 23 00-0019	EA	20 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N01FB)	11,288.19	540.93
22 51 23 00-0020	EA	3 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N01FB)	6,628.40	242.43
22 51 23 00-0021	EA	5 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N01FB)	6,892.35	272.74
22 51 23 00-0022	EA	7-1/2 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N01FB)	7,278.92	340.92
22 51 23 00-0023	EA	10 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N01FB)	7,690.23	406.83
22 51 23 00-0024	EA	15 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N01FB)	8,776.11	473.50
22 51 23 00-0025	EA	20 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N01FB)	9,601.96	540.93
22 51 23 00-0026	EA	1/2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-2303-N12)	4,545.93	242.43
22 51 23 00-0027	EA	3/4 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-2303-N12)	4,621.70	242.43
22 51 23 00-0028	EA	1 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-2303-N12)	4,668.50	242.43
22 51 23 00-0029	EA	1-1/2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-2303-N12)	4,794.62	242.43
22 51 23 00-0030	EA	2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-2303-N12)	4,985.13	242.43

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 23 00-0031	EA	3 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N12)	5,132.91	242.43
22 51 23 00-0032	EA	5 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N12)	5,494.94	272.74
22 51 23 00-0033	EA	7-1/2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N12)	6,551.13	340.92
22 51 23 00-0034	EA	10 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N12)	7,006.84	406.83
22 51 23 00-0035	EA	15 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N12)	7,479.80	473.50
22 51 23 00-0036	EA	20 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N12)	8,498.40	540.93
22 51 23 00-0037	EA	25 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-2303-N12)	11,163.08	674.26
22 51 23 00-0038	EA	30 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-2303-N12)	12,322.92	742.44
22 51 23 00-0039	EA	40 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-2303-N12)	14,577.27	810.62
22 51 23 00-0040	EA	50 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-2303-N12)	16,960.84	947.00
22 51 23 00-0041	EA	60 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-2303-N12)	18,580.16	1,015.18
22 51 23 00-0042	EA	1/2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-4603-N12)	4,640.35	242.43
22 51 23 00-0043	EA	3/4 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-4603-N12)	4,738.20	242.43
22 51 23 00-0044	EA	1 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-4603-N12)	4,861.32	242.43
22 51 23 00-0045	EA	1-1/2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-4603-N12)	4,967.16	242.43
22 51 23 00-0046	EA	2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-4603-N12)	5,075.01	242.43
22 51 23 00-0047	EA	3 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N12)	5,188.82	242.43
22 51 23 00-0048	EA	5 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N12)	5,456.99	272.74
22 51 23 00-0049	EA	7-1/2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N12)	5,854.20	340.92
22 51 23 00-0050	EA	10 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N12)	6,273.56	406.83
22 51 23 00-0051	EA	15 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N12)	7,624.79	473.50
22 51 23 00-0052	EA	20 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N12)	8,406.13	540.93
22 51 23 00-0053	EA	25 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-4603-N12)	9,263.16	674.26
22 51 23 00-0054	EA	30 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-4603-N12)	10,477.95	742.44
22 51 23 00-0055	EA	40 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-4603-N12)	11,830.20	810.62
22 51 23 00-0056	EA	50 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-4603-N12)	14,499.01	947.00
22 51 23 00-0057	EA	60 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-4603-N12)	15,929.90	1,015.18
22 51 23 00-0058	EA	75 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD750-4603-N12)	17,864.68	1,083.36
22 51 23 00-0059	EA	100 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC10-4603-N12)	21,170.06	1,147.76
22 51 23 00-0060	EA	125 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC13-4603-N12)	24,417.60	1,212.15
22 51 23 00-0061	EA	150 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC15-4603-N12)	26,483.02	1,356.09
22 51 23 00-0062	EA	200 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC20-4603-N12)	30,919.52	1,484.88
22 51 23 00-0063	EA	1/2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-2303-N12FB)	6,565.90	242.43
22 51 23 00-0064	EA	3/4 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-2303-N12FB)	6,641.67	242.43
22 51 23 00-0065	EA	1 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-2303-N12FB)	6,688.47	242.43
22 51 23 00-0066	EA	1-1/2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-2303-N12FB)	6,814.59	242.43
22 51 23 00-0067	EA	2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-2303-N12FB)	7,005.10	242.43
22 51 23 00-0068	EA	3 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N12FB)	7,152.88	242.43
22 51 23 00-0069	EA	5 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N12FB)	7,514.91	272.74
22 51 23 00-0070	EA	7-1/2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N12FB)	8,342.43	340.92
22 51 23 00-0071	EA	10 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N12FB)	9,031.69	406.83
22 51 23 00-0072	EA	15 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N12FB)	10,580.10	473.50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 23 00-0073	EA	20 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N12FB)	11,956.61	540.93
22 51 23 00-0074	EA	25 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-2303-N12FB)	14,073.55	674.26
22 51 23 00-0075	EA	30 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-2303-N12FB)	15,494.03	742.44
22 51 23 00-0076	EA	40 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-2303-N12FB)	19,798.21	810.62
22 51 23 00-0077	EA	50 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-2303-N12FB)	26,109.49	947.00
22 51 23 00-0078	EA	60 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-2303-N12FB)	28,695.86	1,015.18
22 51 23 00-0079	EA	1/2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-4603-N12FB)	6,537.24	242.43
22 51 23 00-0080	EA	3/4 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-4603-N12FB)	6,635.07	242.43
22 51 23 00-0081	EA	1 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-4603-N12FB)	6,758.21	242.43
22 51 23 00-0082	EA	1-1/2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-4603-N12FB)	6,864.05	242.43
22 51 23 00-0083	EA	2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-4603-N12FB)	6,971.88	242.43
22 51 23 00-0084	EA	3 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N12FB)	7,085.71	242.43
22 51 23 00-0085	EA	5 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N12FB)	7,353.88	272.74
22 51 23 00-0086	EA	7-1/2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N12FB)	7,749.03	340.92
22 51 23 00-0087	EA	10 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N12FB)	8,168.40	406.83
22 51 23 00-0088	EA	15 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N12FB)	9,560.77	473.50
22 51 23 00-0089	EA	20 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N12FB)	10,405.78	540.93
22 51 23 00-0090	EA	25 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-4603-N12FB)	11,398.35	674.26
22 51 23 00-0091	EA	30 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-4603-N12FB)	12,846.94	742.44
22 51 23 00-0092	EA	40 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-4603-N12FB)	15,215.71	810.62
22 51 23 00-0093	EA	50 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-4603-N12FB)	17,507.82	947.00
22 51 23 00-0094	EA	60 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-4603-N12FB)	19,493.21	1,015.18
22 51 23 00-0095	EA	75 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD750-4603-N12FB)	22,639.60	1,083.36
22 51 23 00-0096	EA	100 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC10-4603-N12FB)	29,866.93	1,147.76
22 51 23 00-0097	EA	125 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC13-4603-N12FB)	33,042.74	1,212.15
22 51 23 00-0098	EA	150 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC15-4603-N12FB)	41,519.18	1,356.09
22 51 23 00-0099	EA	200 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC20-4603-N12FB)	48,789.72	1,484.88
22 51 23 00-0100	EA	380+ Volt AC, Up To 10 HP, 260 Volt AC, Up To 3 HP, 3 Year Extended Warranty (Pentair AD-EWW136)	448.75	
22 51 23 00-0101	EA	380+ Volt AC, 15 To 40 HP, 260 Volt AC, 5 To 25 HP, 3 Year Extended Warranty (Pentair AD-EWW236)	716.09	
22 51 23 00-0102	EA	380+ Volt AC, Up To 10 HP, 260 Volt AC, Up To 3 HP, 6 Year Extended Warranty (Pentair AD-EWW172)	792.46	
22 51 23 00-0103	EA	380+ Volt AC, 15 To 40 HP, 260 Volt AC, 5 To 25 HP, 6 Year Extended Warranty (Pentair AD-EWW272)	1,346.24	
22 51 23 00-0104	EA	380+ Volt AC, 50 To 125 HP, 260 Volt AC, 30 To 60 HP, 6 Year Extended Warranty (Pentair AD-EWW372)	2,568.36	
22 51 23 00-0105	EA	3" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97014-4203KIT)	1,600.72	
22 51 23 00-0106	EA	4" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97014-4204KIT)	1,673.41	
22 51 23 00-0107	EA	6" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97016-4206KIT)	1,825.81	
22 51 23 00-0108	EA	8" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97016-4208KIT)	1,957.85	
22 51 23 00-0109	EA	3" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97014BL-03KIT)	2,293.33	
22 51 23 00-0110	EA	4" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97014BL-04KIT)	2,361.59	
22 51 23 00-0111	EA	6" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97016BL-06KIT)	2,506.93	
22 51 23 00-0112	EA	8" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97016BL-08KIT)	2,634.82	
22 51 23 00-0113	EA	10" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97020BL-10KIT)	3,150.16	
22 51 23 00-0114	EA	12" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97020BL-12KIT)	3,161.86	

22 51 23 00-0115 Eco-Flow-E Aquatic Variable Frequency Drive And Options *(22 51 23)*

22 51 23 00-0116 Eco-Flow-E Aquatic Variable Frequency Drive *(22 51 23 00-0115)*

22 51 23 00-0117	EA	2 HP, 480 Volt, 3 Phase, 4 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-04-12-4)	4,077.92	202.03
		For Bypass Panel, Add	*925.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 23 00-0118	EA	3 HP, 480 Volt, 3 Phase, 6 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-06-12-4)	4,081.83	202.03
		For Bypass Panel, Add	*925.72*	
22 51 23 00-0119	EA	5 HP, 480 Volt, 3 Phase, 8 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-08-12-4)	4,153.21	227.28
		For Bypass Panel, Add	*925.72*	
22 51 23 00-0120	EA	7-1/2 HP, 480 Volt, 3 Phase, 12 Amperes, Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-12-12-4)	4,309.91	284.10
		For Bypass Panel, Add	*925.72*	
22 51 23 00-0121	EA	10 HP, 480 Volt, 3 Phase, 16 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-16-12-4)	4,661.11	339.02
		For Bypass Panel, Add	*925.72*	
22 51 23 00-0122	EA	15 HP, 480 Volt, 3 Phase, 24 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-24-12-4)	5,187.10	394.58
		For Bypass Panel, Add	*1,092.98*	
22 51 23 00-0123	EA	20 HP, 480 Volt, 3 Phase, 30 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-30-12-4)	6,113.58	450.76
		For Bypass Panel, Add	*1,092.98*	
22 51 23 00-0124	EA	25 HP, 480 Volt, 3 Phase, 39 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-39-12-4)	6,363.04	564.40
		For Bypass Panel, Add	*1,092.98*	
22 51 23 00-0125	EA	30 HP, 480 Volt, 3 Phase, 45 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-45-12-4)	7,611.75	620.59
		For Bypass Panel, Add	*1,092.98*	
22 51 23 00-0126	EA	40 HP, 480 Volt, 3 Phase, 61 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-61-12-4)	7,849.41	676.16
		For Bypass Panel, Add	*1,330.67*	
22 51 23 00-0127	EA	1/2 HP, 208/230 Volt, 1 Phase (1 HP, 208/230 Volt, 3 Phase) 8 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-08-12-2)	4,055.74	202.03
		For Bypass Panel, Add	*925.72*	
22 51 23 00-0128	EA	1 HP, 208/230 Volt, 1 Phase (2 HP, 208/230 Volt, 3 Phase) 12 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-12-12-2)	4,060.96	202.03
		For Bypass Panel, Add	*925.72*	
22 51 23 00-0129	EA	1-1/2 HP, 208/230 Volt, 1 Phase (3 HP, 208/230 Volt, 3 Phase) 16 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-16-12-2)	4,085.74	202.03
		For Bypass Panel, Add	*925.72*	
22 51 23 00-0130	EA	5 HP, 208/230 Volt, 1 Phase, 24 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-24-12-2)	4,174.09	227.28
		For Bypass Panel, Add	*1,092.98*	
22 51 23 00-0131	EA	3 HP, 208/230 Volt, 1 Phase (7-1/2 HP, 208/230 Volt, 3 Phase) 32 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-32-12-2)	4,534.31	284.10
		For Bypass Panel, Add	*1,092.98*	
22 51 23 00-0132	EA	5 HP, 208/230 Volt, 1 Phase (10 HP, 208/230 Volt, 3 Phase) 46 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-46-12-2)	5,055.11	339.02
		For Bypass Panel, Add	*1,092.98*	
22 51 23 00-0133	EA	7-1/2 HP, 208/230 Volt, 1 Phase (15 HP, 208/230 Volt, 3 Phase) 60 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-60-12-2)	5,989.46	394.58
		For Bypass Panel, Add	*1,330.67*	
22 51 23 00-0134	EA	10 HP, 208/230 Volt, 1 Phase (20 HP, 208/230 Volt, 3 Phase) 74 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-74-12-2)	6,126.62	450.76
		For Bypass Panel, Add	*1,330.67*	
22 51 23 00-0135	EA	25 HP, 208/230 Volt, 1 Phase, 88 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-88-12-2)	7,481.11	564.40
		For Bypass Panel, Add	*1,808.43*	
22 51 23 00-0136	EA	15 HP, 208/230 Volt, 1 Phase (30 HP, 208/230 Volt, 3 Phase) 124 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-124-12-2)	7,721.34	620.59
		For Bypass Panel, Add	*2,492.32*	

22 51 23 00-0137 Eco-Flow-E Aquatic Variable Frequency Drive Options *(22 51 23 00-0115)*

22 51 23 00-0138	EA	0 To 30 PSI, 1/4" NPT Male Thread, 4 To 20 mA Output, 10' Cable, Pressure Sensor (H2Flow PS-30)	560.17	94.70
22 51 23 00-0139	EA	0 To 100 PSI, 1/4" NPT Male Thread, 4 To 20 mA Output, 10' Cable, Pressure Sensor (H2Flow PS-100)	560.17	94.70
22 51 23 00-0140	EA	Lightning Arrestor (H2Flow LA)	593.33	63.13
22 51 23 00-0141	EA	2 HP, 480 Volt, (3/4 HP, 208/230 Volt) Load Reactor (TCI V1K4A00)	667.39	28.40
22 51 23 00-0142	EA	3 HP, 480 Volt, (1 To 1-1/2 HP, 208/230 Volt) Load Reactor (TCI V1K6A00)	689.36	31.57
22 51 23 00-0143	EA	5 HP, 480 Volt, (2 HP, 208/230 Volt) Load Reactor (TCI V1K8A00)	706.11	34.72
22 51 23 00-0144	EA	7-1/2 HP, 480 Volt, (3 HP, 208/230 Volt) Load Reactor (TCI V1K12A00)	737.21	37.88
22 51 23 00-0145	EA	10 HP, 480 Volt, (5 HP, 208/230 Volt) Load Reactor (TCI V1K16A00)	751.35	41.03
22 51 23 00-0146	EA	15 HP, 480 Volt, (7-1/2 HP, 208/230 Volt) Load Reactor (TCI V1K25A00)	980.76	44.19
22 51 23 00-0147	EA	20 HP, 480 Volt, Load Reactor (TCI V1K27A00)	1,022.30	47.34
22 51 23 00-0148	EA	25 HP, 480 Volt, (10 HP, 208/230 Volt) Load Reactor (TCI V1K35A00)	1,067.75	50.51
22 51 23 00-0149	EA	30 HP, 480 Volt, (15 HP, 208/230 Volt) Load Reactor (TCI V1K45A00)	1,111.90	53.66
22 51 23 00-0150	EA	40 HP, 480 Volt, (20 HP, 208/230 Volt) Load Reactor (TCI V1K55A00)	1,150.83	56.82
22 51 23 00-0151	EA	25 To 30 HP, 208/230 Volt, Load Reactor (TCI V1K80A00)	1,582.45	59.97
22 51 23 00-0152	EA	1 HP, 208/230 Volt, Line Reactor (TCI KDRA25L)	202.73	31.57
22 51 23 00-0153	EA	2 HP, 208/230 Volt, Line Reactor (TCI KDRA27L)	216.87	34.72
22 51 23 00-0154	EA	3 HP, 208/230 Volt, Line Reactor (TCI KDRA28L)	242.75	37.88
22 51 23 00-0155	EA	5 HP, 208/230 Volt, Line Reactor (TCI KDRB22L)	319.51	41.03
22 51 23 00-0156	EA	7-1/2 HP, 208/230 Volt, Line Reactor (TCI KDRB23L)	358.45	44.19
22 51 23 00-0157	EA	10 HP, 208/230 Volt, Line Reactor (TCI KDRD25L)	371.28	47.34
22 51 23 00-0158	EA	15 HP, 208/230 Volt, Line Reactor (TCI KDRD24L)	384.12	50.51
22 51 23 00-0159	EA	20 HP, 208/230 Volt, Line Reactor (TCI KDRD26L)	407.40	53.66
22 51 23 00-0160	EA	25 HP, 208/230 Volt, Line Reactor (TCI KDRC22L)	515.47	56.82
22 51 23 00-0161	EA	30 HP, 208/230 Volt, Line Reactor (TCI KDRF24L)	529.61	59.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 23 00-0162	EA	1 HP, 480 Volt, Line Reactor (TCI KDRA8L)	204.03	31.57
22 51 23 00-0163	EA	2 HP, 480 Volt, Line Reactor (TCI KDRA1L)	224.70	34.72
22 51 23 00-0164	EA	3 HP, 480 Volt, Line Reactor (TCI KDRA2L)	246.67	37.88
22 51 23 00-0165	EA	5 HP, 480 Volt, Line Reactor (TCI KDRA3L)	259.50	41.03
22 51 23 00-0166	EA	7-1/2 HP, 480 Volt, Line Reactor (TCI KDRA4L)	271.04	44.19
22 51 23 00-0167	EA	10 HP, 480 Volt, Line Reactor (TCI KDRA5L)	339.97	47.34
22 51 23 00-0168	EA	15 HP, 480 Volt, Line Reactor (TCI KDRB2L)	354.11	50.51
22 51 23 00-0169	EA	20 HP, 480 Volt, Line Reactor (TCI KDRB1L)	372.17	53.66
22 51 23 00-0170	EA	25 HP, 480 Volt, Line Reactor (TCI KDRD1L)	385.01	56.82
22 51 23 00-0171	EA	30 HP, 480 Volt, Line Reactor (TCI KDRD2L)	464.37	59.97
22 51 23 00-0172	EA	40 HP, 480 Volt, Line Reactor (TCI KDRC1L)	505.92	63.13
22 51 23 00-0173	EA	Models 04 To 30, 304 SS Metric To English Conduit Adaptor Kit	82.82	
22 51 23 00-0174	EA	Models 32 To 46, 304 SS Metric To English Conduit Adaptor Kit	112.79	
22 51 23 00-0175	EA	Models 60 To 74, 304 SS Metric To English Conduit Adaptor Kit	140.14	

22 51 23 00-0176 Pool Flow Meters *(22 51 23)*

22 51 23 00-0177	EA	20 To 110 GPM, 1-1/2" Retrofit Kit FlowVis For Existing Jandy Or Praher Valve Flow Meter (H2Flow FVJ-R-15)	145.39	21.56
22 51 23 00-0178	EA	20 To 110 GPM, 2" x 2-1/2" Retrofit Kit FlowVis For Existing Jandy® Or Praher Valve Flow Meter (H2Flow FVJ-R)	145.39	21.56
22 51 23 00-0179	EA	20 To 110 GPM, 1-1/2" Complete FlowVis Including Valve Body Flow Meter (H2Flow FV-C-15)	225.93	40.42
22 51 23 00-0180	EA	20 To 110 GPM, 2" x 2-1/2" Complete FlowVis Including Valve Body Flow Meter (H2Flow FV-C)	188.51	43.11

22 51 23 00-0181 Paddlewheel Flow Sensors *(22 51 23)*

22 51 23 00-0182	EA	1/2" To 4" Pipe, Polypropylene Body, Black Polyvinylidene Fluoride (PVDF) Rotor, Paddlewheel Flow Sensor (Signet 3-2536-P0) Note: Includes 25' of cable (extendable to 200').	993.97	72.92
22 51 23 00-0183	EA	1/2" To 4" Pipe, Polypropylene Body, Pulse/Flow Switch DCR Output Paddlewheel Flow Sensor (Signet 3-2537-1C-PO)	1,318.82	72.92
22 51 23 00-0184	EA	1/2" To 4" Pipe, Polypropylene Body, Pulse/Flow Switch SSR Output Paddlewheel Flow Sensor (Signet 3-2537-2C-PO)	1,318.82	72.92
22 51 23 00-0185	EA	1/2" To 4" Pipe, Polypropylene Body, Digital Output Paddlewheel Flow Sensor (Signet 3-2537-5C-PO)	1,369.71	72.92
22 51 23 00-0186	EA	1/2" To 4" Pipe, Polypropylene Body, 4 To 20 mA Output Paddlewheel Flow Sensor (Signet 3-2537-6C-PO)	1,424.50	72.92
22 51 23 00-0187	EA	1/2" To 4" Pipe, Polyvinylidene Fluoride (PVDF) Body, Pulse/Flow Switch DCR Output Paddlewheel Flow Sensor (Signet 3-2537-1C-TO)	1,528.22	72.92
22 51 23 00-0188	EA	1/2" To 4" Pipe, Polyvinylidene Fluoride (PVDF) Body, Pulse/Flow Switch SSR Output Paddlewheel Flow Sensor (Signet 3-2537-2C-TO)	1,528.22	72.92
22 51 23 00-0189	EA	1/2" To 4" Pipe, Polyvinylidene Fluoride (PVDF) Body, Digital Output Paddlewheel Flow Sensor (Signet 3-2537-5C-TO)	1,592.80	72.92
22 51 23 00-0190	EA	1/2" To 4" Pipe, Polyvinylidene Fluoride (PVDF) Body, 4 To 20 mA Output Paddlewheel Flow Sensor (Signet 3-2537-6C-TO)	1,655.42	72.92
22 51 23 00-0191	EA	>4" To 8" Pipe, Polypropylene Body, Black Polyvinylidene Fluoride (PVDF) Rotor, Paddlewheel Flow Sensor (Signet 3-2536-P1) Note: Includes 25' of cable (extendable to 200').	1,038.98	72.92
22 51 23 00-0192	EA	>4" To 8" Pipe, Polypropylene Body, Pulse/Flow Switch DCR Output Paddlewheel Flow Sensor (Signet 3-2537-1C-P1)	1,369.71	72.92
22 51 23 00-0193	EA	>4" To 8" Pipe, Polypropylene Body, Pulse/Flow Switch SSR Output Paddlewheel Flow Sensor (Signet 3-2537-2C-P1)	1,369.71	72.92
22 51 23 00-0194	EA	>4" To 8" Pipe, Polypropylene Body, Digital Output Paddlewheel Flow Sensor (Signet 3-2537-5C-P1)	1,424.50	72.92
22 51 23 00-0195	EA	>4" To 8" Pipe, Polypropylene Body, 4 To 20 mA Output Paddlewheel Flow Sensor (Signet 3-2537-6C-P1)	1,475.38	72.92
22 51 23 00-0196	EA	>8" Pipe, Polypropylene Body, Black Polyvinylidene Fluoride (PVDF) Rotor, Paddlewheel Flow Sensor (Signet 3-2536-P2) Note: Includes 25' of cable (extendable to 200').	1,080.08	72.92
22 51 23 00-0197	EA	2" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S020)	332.60	
22 51 23 00-0198	EA	4" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S040)	459.76	
22 51 23 00-0199	EA	6" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S060)	565.40	
22 51 23 00-0200	EA	8" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S080)	694.52	
22 51 23 00-0201	EA	10" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S100)	919.53	
22 51 23 00-0202	EA	12" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S120)	931.24	
22 51 23 00-0203	EA	24 Volt DC, Power Supply 7.5 Watt, 300 mA (Signet 7300-7524)	328.02	20.20
22 51 23 00-0204	EA	24 Volt DC, Power Supply 15 Watt, 600 mA (Signet 7300-1524)	451.31	20.20
22 51 23 00-0205	EA	24 Volt DC, 30 Watt, 1.3 Amperes, Power Supply (Signet 7300-3024)	556.98	20.20
22 51 23 00-0206	EA	24 Volt DC, 50 Watt, 2.1 Amperes, Power Supply (Signet 7300-5024)	705.71	20.20
22 51 23 00-0207	EA	24 Volt DC, 100 Watt, 4.2 Amperes, Power Supply (Signet 7300-1024)	979.69	20.20

22 52 Fountain Plumbing Systems *(22 50)*

22 52 13 Fountain Piping *(22 52)*

See CSI section 22 11 16 00-0013 for galvanized pipe and fittings, 22 11 16 00-0383 for copper pipe and fittings, 23 21 13 23-0001 for threaded black steel pipe and fittings, 23 21 13 23-0374 for welded black steel pipe and fittings.

22 52 16 Fountain Pumps *(22 52)*

22 52 16 00-0001 Fountain Pumps *(22 52 16)*

Note: Includes the final connection to pipes, and final connection to electrical power. Exclude such items as: existing pipe removal/cutting, new supply pipe, fittings, valves, saddles, pipe supports, electrical conduit, wiring, disconnects, connections to disconnects, etc.

22 52 16 00-0002	EA	Centrifugal Pump, Single Stage, Double Suction, Complete With Cast Iron Casing, SS Impeller And Sleeve, SS Shaft, John Crane Mech. Single Seal, ANSI 125 FF Flange (PACO TYPE KP-29-16175-AV00)	167,316.20	5,996.39

22 52 19 Fountain Water Treatment Equipment *(22 52)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 52 19 13		**Electronic Fountain Water Conditioning Equipment** *(22 52 19)*		
22 52 19 13-0001		Fountain Water Treatment Equipment *(22 52 19 13)* Note: Includes the systems as supplied from the manufacture, final connection to pipes, final connection to electrical power, final connection to signal wire, mounting to wall or backboard. Exclude such items as: Concrete, saw cutting, backboards, existing pipe removal/cutting, new supply/drain pipe, fittings, valves, saddles, pipe supports, electrical conduit, wiring, disconnects, connections to disconnects, etc.		
22 52 19 13-0002	EA	Ultraviolet Disinfection System With Two 1.0 KW Lamp Power, 350 GPM Flow, 4" Connection, 480/460 Volt, Single Phase. (Neptune Benson ETS Model ECF-210-4V) Note: Includes Spectra control cabinet, strainer, wiper system and 15' cables. Includes factory start up and operator training.	52,941.23	1,293.49
22 52 19 13-0003	EA	Ultraviolet Disinfection System With Two 1.5 KW Lamp Power, 350 GPM Flow, 6" Connection, 480/460 Volt, Single Phase. (Neptune Benson ETS Model ECF-215-6V) Note: Includes Spectra control cabinet, strainer, wiper system and 15' cables. Includes factory start up and operator training.	62,956.84	1,509.07
22 52 19 13-0004	EA	Ozone System (Clear Water Model CD2000P) Note: Includes: CD2000P Ozone Generator, Air Preparation System, 2 Ozone Contact Chambers, Venturi / Side Stream System, Ozone Off-Gas Destructor, Factory Start-up and Warranty, and Owner Training.	33,241.57	862.32
22 52 19 13-0005	EA	6" Flow Meter And Iron Pipe Saddle	2,265.90	431.16
22 52 23		**Fountain Equipment Controls** *(22 52)*		
22 52 23 00-0001		Fountain Equipment Controls *(22 52 23)* Note: Includes the systems as supplied from the manufacture, final connection to pipes, final connection to electrical power, final connection to signal wire, mounting to wall or backboard. Exclude such items as: Concrete, saw cutting, backboards, existing pipe removal/cutting, new supply/drain pipe, fittings, valves, saddles, pipe supports, electrical conduit, wiring, disconnects, connections to disconnects, etc.		
22 52 23 00-0002	EA	BECSys3 Chemical Controller With pH And ORP Probe, Flowcell Assembly, Safety Rotary Flowswitch, Temperature Sensor Mounted On A PVC Backplate. Note: Includes factory commissioning and operator training.	8,781.74	646.74
22 52 23 00-0003	EA	Water Level Control System With Deck Well Application, 100' Cord Length, Dual Sensing, And 2" Slow Closing Solenoid Valve (AquatiControl Technology ELC-810-DS-DW-100)	10,119.99	862.32
22 60		**Gas and Vacuum Systems for Laboratory and Healthcare Facilities** *(22)*		
22 63		**Gas Systems for Laboratory and Healthcare Facilities** *(22 60)*		
22 63 13		**Gas Piping for Laboratory and Healthcare Facilities** *(22 63)*		
22 63 13 53		**Laboratory Gas Piping** *(22 63 13)* See CSI section 23 21 13 23-0001 for black steel pipe, 23 21 13 23-2279 for PVC piping.		
22 63 13 70		**Healthcare Gas Piping** *(22 63 13)*		
22 63 13 70-0001		Zone Valve Assemblies *(22 63 13 70)*		
22 63 13 70-0002		Single Zone Valve Assemblies *(22 63 13 70-0001)*		
22 63 13 70-0003	EA	1/2" Single Zone Valve Assembly With Gauge (Amico VBU-M-05)	483.60	85.59
22 63 13 70-0004	EA	3/4" Single Zone Valve Assembly With Gauge (Amico VBU-M-07)	516.55	92.81
22 63 13 70-0005	EA	1" Single Zone Valve Assembly With Gauge (Amico VBU-M-10)	549.56	98.73
22 63 13 70-0006	EA	1-1/4" Single Zone Valve Assembly With Gauge (Amico VBU-M-12)	618.11	107.79
22 63 13 70-0007	EA	1-1/2" Single Zone Valve Assembly With Gauge (Amico VBU-M-15)	707.97	114.37
22 63 13 70-0008	EA	2" Single Zone Valve Assembly With Gauge (Amico VBU-M-20)	878.48	123.42
22 63 13 70-0009		Double Zone Valve Assemblies *(22 63 13 70-0001)*		
22 63 13 70-0010	EA	1/2" x 1/2" Double Zone Valve Assembly With Gauges (Amico VBU-M-0505)	691.51	122.67
22 63 13 70-0011	EA	1/2" x 3/4" Double Zone Valve Assembly With Gauges (Amico VBU-M-0507)	724.46	129.89
22 63 13 70-0012	EA	1/2" x 1" Double Zone Valve Assembly With Gauges (Amico VBU-M-0510)	764.42	135.71
22 63 13 70-0013	EA	1/2" x 1-1/4" Double Zone Valve Assembly With Gauges (Amico VBU-M-0512)	844.57	144.87
22 63 13 70-0014	EA	1/2" x 1-1/2" Double Zone Valve Assembly With Gauges (Amico VBU-M-0515)	946.04	151.45
22 63 13 70-0015	EA	3/4" x 3/4" Double Zone Valve Assembly With Gauges (Amico VBU-M-0707)	755.08	137.11
22 63 13 70-0016	EA	3/4" x 1" Double Zone Valve Assembly With Gauges (Amico VBU-M-0710)	795.06	143.04
22 63 13 70-0017	EA	3/4" x 1-1/4" Double Zone Valve Assembly With Gauges (Amico VBU-M-0712)	877.53	152.09
22 63 13 70-0018	EA	3/4" x 1-1/2" Double Zone Valve Assembly With Gauges (Amico VBU-M-0715)	934.91	158.67
22 63 13 70-0019	EA	1" x 1" Double Zone Valve Assembly With Gauges (Amico VBU-M-1010)	825.75	148.86
22 63 13 70-0020	EA	1" x 1-1/4" Double Zone Valve Assembly With Gauges (Amico VBU-M-1012)	875.74	158.02
22 63 13 70-0021	EA	1" x 1-1/2" Double Zone Valve Assembly With Gauges (Amico VBU-M-1015)	970.24	164.59
22 63 13 70-0022	EA	1-1/4" x 1-1/4" Double Zone Valve Assembly With Gauges (Amico VBU-M-1212)	1,009.24	167.08
22 63 13 70-0023	EA	1-1/4" x 1-1/2" Double Zone Valve Assembly With Gauges (Amico VBU-M-1215)	1,048.07	173.76
22 63 13 70-0024	EA	1-1/2" x 1-1/2" Double Zone Valve Assembly With Gauges (Amico VBU-M-1515)	1,149.53	180.34
22 63 13 70-0025		Triple Zone Valve Assemblies *(22 63 13 70-0001)*		
22 63 13 70-0026	EA	1/2" x 1/2" x 1/2" Triple Zone Valve Assembly With Gauges (Amico VBU-M-050505)	941.17	159.64
22 63 13 70-0027	EA	1/2" x 1/2" x 3/4" Triple Zone Valve Assembly With Gauges (Amico VBU-M-050507)	974.11	166.97
22 63 13 70-0028	EA	1/2" x 1/2" x 1" Triple Zone Valve Assembly With Gauges (Amico VBU-M-050510)	1,014.09	172.79
22 63 13 70-0029	EA	1/2" x 1/2" x 1-1/4" Triple Zone Valve Assembly With Gauges (Amico VBU-M-050512)	1,096.56	181.95
22 63 13 70-0030	EA	1/2" x 1/2" x 1-1/2" Triple Zone Valve Assembly With Gauges (Amico VBU-M-050515)	1,200.35	188.53

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 63 13 70-0031	EA	1/2" x 3/4" x 3/4" Triple Zone Valve Assembly With Gauges (Amico VBU-M-050707)	1,009.39	174.19
22 63 13 70-0032	EA	1/2" x 3/4" x 1" Triple Zone Valve Assembly With Gauges (Amico VBU-M-050710)	1,049.35	180.01
22 63 13 70-0033	EA	1/2" x 3/4" x 1-1/4" Triple Zone Valve Assembly With Gauges (Amico VBU-M-050712)	1,129.50	189.17
22 63 13 70-0034	EA	1/2" x 3/4" x 1-1/2" Triple Zone Valve Assembly With Gauges (Amico VBU-M-050715)	1,233.28	195.75
22 63 13 70-0035	EA	1/2" x 1" x 1" Triple Zone Valve Assembly With Gauges (Amico VBU-M-051010)	1,089.31	185.94
22 63 13 70-0036	EA	1/2" x 1" x 1-1/4" Triple Zone Valve Assembly With Gauges (Amico VBU-M-051012)	1,169.46	195.10
22 63 13 70-0037	EA	1/2" x 1" x 1-1/2" Triple Zone Valve Assembly With Gauges (Amico VBU-M-051015)	1,273.25	201.68
22 63 13 70-0038	EA	3/4" x 3/4" x 3/4" Triple Zone Valve Assembly With Gauges (Amico VBU-M-070707)	1,042.33	181.41
22 63 13 70-0039	EA	3/4" x 3/4" x 1" Triple Zone Valve Assembly With Gauges (Amico VBU-M-070710)	1,082.30	187.34
22 63 13 70-0040	EA	3/4" x 3/4" x 1-1/4" Triple Zone Valve Assembly With Gauges (Amico VBU-M-070712)	1,162.45	196.39
22 63 13 70-0041	EA	3/4" x 3/4" x 1-1/2" Triple Zone Valve Assembly With Gauges (Amico VBU-M-070715)	1,266.24	202.97
22 63 13 70-0042	EA	3/4" x 1" x 1" Triple Zone Valve Assembly With Gauges (Amico VBU-M-071010)	1,122.27	193.16
22 63 13 70-0043	EA	3/4" x 1" x 1-1/4" Triple Zone Valve Assembly With Gauges (Amico VBU-M-071012)	1,202.42	202.32
22 63 13 70-0044	EA	3/4" x 1" x 1-1/2" Triple Zone Valve Assembly With Gauges (Amico VBU-M-071015)	1,303.88	208.90
22 63 13 70-0045	EA	1" x 1" x 1" Triple Zone Valve Assembly With Gauges (Amico VBU-M-1010110)	1,101.92	199.09
22 63 13 70-0046	EA	1" x 1" x 1-1/4" Triple Zone Valve Assembly With Gauges (Amico VBU-M-101012)	1,179.75	208.15
22 63 13 70-0047	EA	1" x 1" x 1-1/2" Triple Zone Valve Assembly With Gauges (Amico VBU-M-101015)	1,346.16	214.83
22 63 13 70-0048		**Medical Gas Copper Pipe And Fittings** *(22 63 13 70)*		
22 63 13 70-0049		**Medical Gas Copper Pipe, ASTM B819** *(22 63 13 70-0048)*		
22 63 13 70-0050	LF	1/4" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 1/4")	9.00	3.75
22 63 13 70-0051	LF	3/8" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 3/8")	11.37	3.75
22 63 13 70-0052	LF	1/2" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 1/2")	12.28	3.75
22 63 13 70-0053	LF	5/8" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 5/8")	13.95	3.75
22 63 13 70-0054	LF	3/4" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 3/4")	19.05	3.75
22 63 13 70-0055	LF	1" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 1")	22.56	3.75
22 63 13 70-0056	LF	1-1/4" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 1-1/4")	27.18	3.75
22 63 13 70-0057	LF	1-1/2" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 1-1/2")	33.99	3.75
22 63 13 70-0058	LF	2" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 2")	48.49	3.75
22 63 13 70-0059	LF	2-1/2" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 2-1/2")	68.71	6.20
22 63 13 70-0060	LF	3" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 3")	85.12	6.20
22 63 13 70-0061	LF	3-1/2" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 3-1/2")	109.33	9.36
22 63 13 70-0062	LF	4" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 4")	151.06	9.36
22 63 13 70-0063		**Medical Gas Copper Fittings** *(22 63 13 70-0048)*		
22 63 13 70-0064		**Medical Gas Copper 90 Degree Elbows** *(22 63 13 70-0063)*		
22 63 13 70-0065	EA	1/4" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P049)	45.88	28.44
22 63 13 70-0066	EA	3/8" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P050)	47.50	29.73
22 63 13 70-0067	EA	1/2" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P079)	50.26	31.25
22 63 13 70-0068	EA	5/8" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P080)	55.62	32.89
22 63 13 70-0069	EA	3/4" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P081)	54.93	32.89
22 63 13 70-0070	EA	1" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P082)	66.72	39.09
22 63 13 70-0071	EA	1-1/4" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P055)	71.13	41.67
22 63 13 70-0072	EA	1-1/2" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P056)	86.11	47.99
22 63 13 70-0073	EA	2" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P057)	106.05	56.77
22 63 13 70-0074	EA	2-1/2" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P058)	191.27	96.10
22 63 13 70-0075	EA	3" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (Nibco 1VMA3)	233.94	113.55
22 63 13 70-0076	EA	4" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (Nibco 1VMA4)	354.92	138.83
22 63 13 70-0077		**Medical Gas Copper Tees** *(22 63 13 70-0063)*		
22 63 13 70-0078	EA	1/4" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P095)	69.51	41.67
22 63 13 70-0079	EA	3/8" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P096)	72.29	44.60
22 63 13 70-0080	EA	1/2" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P098)	73.66	47.99
22 63 13 70-0081	EA	5/8" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R568)	92.08	52.09
22 63 13 70-0082	EA	3/4" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P103)	81.98	52.09
22 63 13 70-0083	EA	1" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P109)	105.94	62.50
22 63 13 70-0084	EA	1-1/4" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P113)	122.26	69.41
22 63 13 70-0085	EA	1-1/2" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P117)	141.90	78.08
22 63 13 70-0086	EA	2" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R499)	176.71	89.19
22 63 13 70-0087	EA	2-1/2" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (Nibco 1VMD9)	306.37	156.16
22 63 13 70-0088	EA	3" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (Nibco 1VME5)	387.28	178.51
22 63 13 70-0089	EA	4" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (Nibco 1VMG2)	618.46	249.80

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LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 63 13 70-0090		**Medical Gas Copper Couplings** *(22 63 13 70-0063)*		
22 63 13 70-0091	EA	1/4" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R491)	38.35	24.93
22 63 13 70-0092	EA	3/8" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R495)	40.23	25.99
22 63 13 70-0093	EA	1/2" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R489)	41.54	27.15
22 63 13 70-0094	EA	5/8" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R493)	45.53	28.44
22 63 13 70-0095	EA	3/4" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R490)	46.21	29.73
22 63 13 70-0096	EA	1" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R492)	55.57	34.64
22 63 13 70-0097	EA	1-1/4" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R501)	61.92	36.76
22 63 13 70-0098	EA	1-1/2" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R509)	70.95	41.67
22 63 13 70-0099	EA	2" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R516)	85.43	47.99
22 63 13 70-0100	EA	2-1/2" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R615)	156.24	83.22
22 63 13 70-0101	EA	3" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R690)	191.28	96.10
22 63 13 70-0102	EA	4" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R692)	254.24	117.05
22 63 13 70-0103		**Medical Gas Copper Caps** *(22 63 13 70-0063)*		
22 63 13 70-0104	EA	1/4" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R498)	24.59	15.57
22 63 13 70-0105	EA	3/8" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R521)	25.26	15.57
22 63 13 70-0106	EA	1/2" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P121)	24.09	15.57
22 63 13 70-0107	EA	5/8" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R511)	26.94	16.39
22 63 13 70-0108	EA	3/4" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P122)	25.81	16.39
22 63 13 70-0109	EA	1" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P123)	32.60	19.55
22 63 13 70-0110	EA	1-1/4" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P124)	37.05	21.54
22 63 13 70-0111	EA	1-1/2" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P125)	42.84	23.99
22 63 13 70-0112	EA	2" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P126)	55.11	28.44
22 63 13 70-0113	EA	2-1/2" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (Nibco 1VMG6)	85.38	31.25
22 63 13 70-0114	EA	3" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (Nibco 1VMG7)	103.63	34.64
22 63 13 70-0115	EA	4" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (Nibco 1VMG8)	149.99	39.09

22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities *(22 60)*

22 66 53 Laboratory Chemical-Waste and Vent Piping *(22 66)*

22 66 53 00-0001 Polypropylene Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings *(22 66 53)*

22 66 53 00-0002 Schedule 40 Polypropylene Acid Resistant DWV Pipe And Fuseal Fittings *(22 66 53 00-0001)*

22 66 53 00-0003 Schedule 40 Polypropylene Acid Resistant DWV Pipe *(22 66 53 00-0002)*

22 66 53 00-0004	LF	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Pipe	14.18	6.14
		For Schedule 80, Add	*2.56*	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	*2.19*	
		For Work In Restricted Working Space, Add	*2.78*	
22 66 53 00-0005	LF	2" Schedule 40 Polypropylene Acid Resistant DWV Pipe	17.07	6.90
		For Schedule 80, Add	*3.46*	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	*2.96*	
		For Work In Restricted Working Space, Add	*3.13*	
22 66 53 00-0006	LF	3" Schedule 40 Polypropylene Acid Resistant DWV Pipe	27.09	10.02
		For Schedule 80, Add	*6.25*	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	*5.34*	
		For Work In Restricted Working Space, Add	*4.52*	
22 66 53 00-0007	LF	4" Schedule 40 Polypropylene Acid Resistant DWV Pipe	36.65	13.04
		For Schedule 80, Add	*8.87*	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	*7.59*	
		For Work In Restricted Working Space, Add	*5.88*	
22 66 53 00-0008	LF	6" Schedule 40 Polypropylene Acid Resistant DWV Pipe	59.48	19.19
		For Schedule 80, Add	*15.98*	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	*13.67*	
		For Work In Restricted Working Space, Add	*8.63*	

22 66 53 00-0009 Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bends *(22 66 53 00-0002)*

22 66 53 00-0010	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	54.61	23.18
		For Work In Restricted Working Space, Add	*10.43*	
22 66 53 00-0011	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	70.51	30.61
		For Work In Restricted Working Space, Add	*13.76*	
22 66 53 00-0012	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	94.41	35.03
		For Work In Restricted Working Space, Add	*15.77*	
22 66 53 00-0013	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	136.12	46.35
		For Work In Restricted Working Space, Add	*20.86*	
22 66 53 00-0014	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	266.29	68.45
		For Work In Restricted Working Space, Add	*30.80*	

22 66 53 00-0015 Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bends *(22 66 53 00-0002)*

22 66 53 00-0016	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend	54.27	23.18
		For Work In Restricted Working Space, Add	*10.43*	
22 66 53 00-0017	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend	69.61	30.61
		For Work In Restricted Working Space, Add	*13.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0018	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend	96.12	35.03
		For Work In Restricted Working Space, Add	*15.77*	
22 66 53 00-0019	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend	118.92	46.35
		For Work In Restricted Working Space, Add	*20.86*	
22 66 53 00-0020	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend	239.62	68.45
		For Work In Restricted Working Space, Add	*30.80*	
22 66 53 00-0021		**Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tees** *(22 66 53 00-0002)*		
22 66 53 00-0022	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee	98.98	49.58
		For Work In Restricted Working Space, Add	*22.30*	
22 66 53 00-0023	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee	123.25	62.52
		For Work In Restricted Working Space, Add	*28.12*	
22 66 53 00-0024	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee	161.71	68.45
		For Work In Restricted Working Space, Add	*30.80*	
22 66 53 00-0025	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee	223.17	89.90
		For Work In Restricted Working Space, Add	*40.42*	
22 66 53 00-0026	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee	391.45	143.79
		For Work In Restricted Working Space, Add	*64.67*	
22 66 53 00-0027		**Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tees** *(22 66 53 00-0002)*		
22 66 53 00-0028	EA	2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	123.21	62.52
		For Work In Restricted Working Space, Add	*28.12*	
22 66 53 00-0029	EA	3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	157.58	68.45
		For Work In Restricted Working Space, Add	*30.80*	
22 66 53 00-0030	EA	3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	153.92	68.45
		For Work In Restricted Working Space, Add	*30.80*	
22 66 53 00-0031	EA	4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	213.77	89.90
		For Work In Restricted Working Space, Add	*40.42*	
22 66 53 00-0032	EA	4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	217.32	89.90
		For Work In Restricted Working Space, Add	*40.42*	
22 66 53 00-0033	EA	6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	365.28	143.79
		For Work In Restricted Working Space, Add	*64.67*	
22 66 53 00-0034		**Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tees With Plug** *(22 66 53 00-0002)*		
22 66 53 00-0035	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	111.01	49.58
		For Work In Restricted Working Space, Add	*22.30*	
22 66 53 00-0036	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	126.16	62.52
		For Work In Restricted Working Space, Add	*28.12*	
22 66 53 00-0037	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	170.61	68.45
		For Work In Restricted Working Space, Add	*30.80*	
22 66 53 00-0038	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	227.28	89.90
		For Work In Restricted Working Space, Add	*40.42*	
22 66 53 00-0039	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	340.70	143.79
		For Work In Restricted Working Space, Add	*64.67*	
22 66 53 00-0040		**Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wyes** *(22 66 53 00-0002)*		
22 66 53 00-0041	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	105.73	49.58
		For Work In Restricted Working Space, Add	*22.30*	
22 66 53 00-0042	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	129.50	62.52
		For Work In Restricted Working Space, Add	*28.12*	
22 66 53 00-0043	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	165.43	68.45
		For Work In Restricted Working Space, Add	*30.80*	
22 66 53 00-0044	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	226.26	89.90
		For Work In Restricted Working Space, Add	*40.42*	
22 66 53 00-0045	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	447.92	143.79
		For Work In Restricted Working Space, Add	*64.67*	
22 66 53 00-0046		**Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wyes** *(22 66 53 00-0002)*		
22 66 53 00-0047	EA	2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	137.77	62.52
		For Work In Restricted Working Space, Add	*28.12*	
22 66 53 00-0048	EA	3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	161.19	68.45
		For Work In Restricted Working Space, Add	*30.80*	
22 66 53 00-0049	EA	3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	161.19	68.45
		For Work In Restricted Working Space, Add	*30.80*	
22 66 53 00-0050	EA	4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	222.60	89.90
		For Work In Restricted Working Space, Add	*40.42*	
22 66 53 00-0051	EA	4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	222.60	89.90
		For Work In Restricted Working Space, Add	*40.42*	
22 66 53 00-0052	EA	6" x 6" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	399.28	143.79
		For Work In Restricted Working Space, Add	*64.67*	
22 66 53 00-0053	EA	6" x 6" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	402.13	143.79
		For Work In Restricted Working Space, Add	*64.67*	
22 66 53 00-0054	EA	6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	366.48	143.79
		For Work In Restricted Working Space, Add	*64.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 66 53 00-0055 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Crosses *(22 66 53 00-0002)*

22 66 53 00-0056	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross	131.54	61.98
		For Work In Restricted Working Space, Add	*27.88*	
22 66 53 00-0057	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross	163.44	78.15
		For Work In Restricted Working Space, Add	*35.15*	
22 66 53 00-0058	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross	220.90	85.59
		For Work In Restricted Working Space, Add	*38.50*	
22 66 53 00-0059	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross	307.05	112.31
		For Work In Restricted Working Space, Add	*50.53*	
22 66 53 00-0060	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross	545.18	179.69
		For Work In Restricted Working Space, Add	*80.84*	

22 66 53 00-0061 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bends *(22 66 53 00-0002)*

22 66 53 00-0062	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	96.77	49.58
		For Work In Restricted Working Space, Add	*22.30*	
22 66 53 00-0063	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	126.51	62.52
		For Work In Restricted Working Space, Add	*28.12*	
22 66 53 00-0064	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	144.60	68.45
		For Work In Restricted Working Space, Add	*30.80*	
22 66 53 00-0065	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	199.97	89.90
		For Work In Restricted Working Space, Add	*40.42*	
22 66 53 00-0066	EA	2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	116.75	62.52
		For Work In Restricted Working Space, Add	*28.12*	
22 66 53 00-0067	EA	3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	140.67	68.45
		For Work In Restricted Working Space, Add	*30.80*	
22 66 53 00-0068	EA	3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	142.25	68.45
		For Work In Restricted Working Space, Add	*30.80*	
22 66 53 00-0069	EA	4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	194.13	89.90
		For Work In Restricted Working Space, Add	*40.42*	
22 66 53 00-0070	EA	4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	195.13	89.90
		For Work In Restricted Working Space, Add	*40.42*	

22 66 53 00-0071 Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Traps *(22 66 53 00-0002)*

22 66 53 00-0072	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap	114.37	57.56
		For Work In Restricted Working Space, Add	*25.87*	
22 66 53 00-0073	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap	152.18	75.67
		For Work In Restricted Working Space, Add	*34.04*	
22 66 53 00-0074	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap	230.15	102.72
		For Work In Restricted Working Space, Add	*46.20*	
22 66 53 00-0075	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap	323.97	130.75
		For Work In Restricted Working Space, Add	*58.79*	

22 66 53 00-0076 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapters *(22 66 53 00-0002)*

22 66 53 00-0077	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	53.67	23.18
		For Work In Restricted Working Space, Add	*10.43*	
22 66 53 00-0078	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	65.57	30.61
		For Work In Restricted Working Space, Add	*13.76*	
22 66 53 00-0079	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	76.96	35.03
		For Work In Restricted Working Space, Add	*15.77*	
22 66 53 00-0080	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	104.67	46.35
		For Work In Restricted Working Space, Add	*20.86*	
22 66 53 00-0081	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	155.27	68.45
		For Work In Restricted Working Space, Add	*30.80*	

22 66 53 00-0082 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapters *(22 66 53 00-0002)*

22 66 53 00-0083	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter	51.30	23.18
		For Work In Restricted Working Space, Add	*10.43*	
22 66 53 00-0084	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter	67.36	30.61
		For Work In Restricted Working Space, Add	*13.76*	
22 66 53 00-0085	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter	80.25	35.03
		For Work In Restricted Working Space, Add	*15.77*	
22 66 53 00-0086	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter	107.90	46.35
		For Work In Restricted Working Space, Add	*20.86*	

22 66 53 00-0087 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Couplings *(22 66 53 00-0002)*

22 66 53 00-0088	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling	48.35	23.18
		For Work In Restricted Working Space, Add	*10.43*	
22 66 53 00-0089	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling	62.06	30.61
		For Work In Restricted Working Space, Add	*13.76*	
22 66 53 00-0090	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling	72.24	35.03
		For Work In Restricted Working Space, Add	*15.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0091	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling	95.53	46.35
		For Work In Restricted Working Space, Add	*20.86*	
22 66 53 00-0092	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling	140.43	68.45
		For Work In Restricted Working Space, Add	*30.80*	

22 66 53 00-0093 Bell And Spigot High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings *(22 66 53)*

Note: Acid resistant. ASTM A518.

22 66 53 00-0094 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe *(22 66 53 00-0093)*

22 66 53 00-0095	LF	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	112.65	9.59
22 66 53 00-0096	LF	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	158.70	11.97
22 66 53 00-0097	LF	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	216.18	13.80
22 66 53 00-0098	LF	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	356.19	20.06
22 66 53 00-0099	LF	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	628.65	26.72
22 66 53 00-0100	LF	10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	1,112.48	33.70
22 66 53 00-0101	LF	12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	1,984.49	45.39
22 66 53 00-0102	LF	15" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	3,536.15	52.04

22 66 53 00-0103 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Fittings *(22 66 53 00-0093)*

22 66 53 00-0104 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweeps *(22 66 53 00-0103)*

22 66 53 00-0105	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	445.97	81.70
22 66 53 00-0106	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	584.64	89.90
22 66 53 00-0107	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	953.34	107.58
22 66 53 00-0108	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	1,429.35	132.47
22 66 53 00-0109	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	3,286.47	214.73

22 66 53 00-0110 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends *(22 66 53 00-0103)*

22 66 53 00-0111	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	256.34	81.70
22 66 53 00-0112	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	335.52	89.90
22 66 53 00-0113	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	421.64	107.58
22 66 53 00-0114	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	1,135.61	132.47
22 66 53 00-0115	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	2,578.90	214.73
22 66 53 00-0116	EA	10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	3,919.88	267.53
22 66 53 00-0117	EA	12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	5,760.40	321.72

22 66 53 00-0118 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends *(22 66 53 00-0103)*

22 66 53 00-0119	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	256.34	81.70
22 66 53 00-0120	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	335.52	89.90
22 66 53 00-0121	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	421.64	107.58
22 66 53 00-0122	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	830.72	132.47
22 66 53 00-0123	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	2,184.77	214.73
22 66 53 00-0124	EA	10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	3,195.39	267.53
22 66 53 00-0125	EA	12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	4,533.96	321.72

22 66 53 00-0126 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends *(22 66 53 00-0103)*

22 66 53 00-0127	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	256.34	81.70
22 66 53 00-0128	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	335.52	89.90
22 66 53 00-0129	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	421.38	107.47

22 66 53 00-0130 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweeps *(22 66 53 00-0103)*

22 66 53 00-0131	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep	353.02	81.70
22 66 53 00-0132	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep	629.26	89.90
22 66 53 00-0133	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep	704.22	107.58

22 66 53 00-0134 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tees *(22 66 53 00-0103)*

22 66 53 00-0135	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	361.79	122.24
22 66 53 00-0136	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	455.99	135.49
22 66 53 00-0137	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	636.73	161.79
22 66 53 00-0138	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	1,079.30	199.08
22 66 53 00-0139	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	3,312.89	322.37
22 66 53 00-0140	EA	10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	4,706.40	402.54

22 66 53 00-0141 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tees *(22 66 53 00-0103)*

22 66 53 00-0142	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	339.30	117.17
22 66 53 00-0143	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	396.85	125.79
22 66 53 00-0144	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	444.33	130.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0145	EA	4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	509.32	143.79
22 66 53 00-0146	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	545.93	148.32
22 66 53 00-0147	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	600.74	152.74
22 66 53 00-0148	EA	6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	760.87	172.27
22 66 53 00-0149	EA	6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	845.00	176.71
22 66 53 00-0150	EA	6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	946.40	184.83
22 66 53 00-0151		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tees** *(22 66 53 00-0103)*		
22 66 53 00-0152	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee	413.79	122.24
22 66 53 00-0153	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee	500.07	135.17
22 66 53 00-0154	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee	685.02	161.79
22 66 53 00-0155		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tees** *(22 66 53 00-0103)*		
22 66 53 00-0156	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee	391.32	117.17
22 66 53 00-0157	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee	489.87	130.86
22 66 53 00-0158	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee	591.18	148.75
22 66 53 00-0159	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee	634.87	153.17
22 66 53 00-0160		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wyes** *(22 66 53 00-0103)*		
22 66 53 00-0161	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	358.29	122.45
22 66 53 00-0162	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	496.89	135.49
22 66 53 00-0163	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	636.54	161.69
22 66 53 00-0164	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	1,085.59	198.35
22 66 53 00-0165	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	4,152.70	322.05
22 66 53 00-0166		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes** *(22 66 53 00-0103)*		
22 66 53 00-0167	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	369.02	117.17
22 66 53 00-0168	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	396.80	125.79
22 66 53 00-0169	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	419.44	130.97
22 66 53 00-0170	EA	4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	468.42	143.79
22 66 53 00-0171	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	486.70	148.54
22 66 53 00-0172	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	586.54	153.17
22 66 53 00-0173	EA	6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	801.47	172.48
22 66 53 00-0174	EA	6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	952.82	176.71
22 66 53 00-0175	EA	6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	994.74	184.83
22 66 53 00-0176	EA	8" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	2,438.28	259.81
22 66 53 00-0177	EA	8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	2,633.32	268.39
22 66 53 00-0178	EA	8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	3,222.72	282.13
22 66 53 00-0179		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends** *(22 66 53 00-0103)*		
22 66 53 00-0180	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	428.60	122.24
22 66 53 00-0181	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	511.23	135.17
22 66 53 00-0182	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	759.39	161.79
22 66 53 00-0183	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	1,182.64	198.56
22 66 53 00-0184		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends** *(22 66 53 00-0103)*		
22 66 53 00-0185	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	354.14	117.17
22 66 53 00-0186	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	411.67	125.79
22 66 53 00-0187	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	456.40	130.86
22 66 53 00-0188	EA	4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	494.44	143.79
22 66 53 00-0189	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	572.59	148.75
22 66 53 00-0190	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	649.69	153.06
22 66 53 00-0191	EA	6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	849.74	172.48
22 66 53 00-0192	EA	6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	1,060.73	176.81
22 66 53 00-0193	EA	6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	1,162.51	185.15
22 66 53 00-0194		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducers** *(22 66 53 00-0103)*		
22 66 53 00-0195	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	219.47	76.97
22 66 53 00-0196	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	240.78	81.28
22 66 53 00-0197	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	269.57	85.59
22 66 53 00-0198	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	436.02	94.86
22 66 53 00-0199	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	457.37	99.28
22 66 53 00-0200	EA	6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	500.39	110.52
22 66 53 00-0201	EA	6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	650.61	118.97
22 66 53 00-0202	EA	8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	944.17	161.08
22 66 53 00-0203	EA	8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	1,005.54	174.71

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0204		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increasers** *(22 66 53 00-0103)*		
22 66 53 00-0205	EA	2" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	589.24	179.69
22 66 53 00-0206	EA	2" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	782.59	179.69
22 66 53 00-0207	EA	3" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	799.94	179.69
22 66 53 00-0208	EA	4" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	908.60	246.48
22 66 53 00-0209		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Traps** *(22 66 53 00-0103)*		
22 66 53 00-0210	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	665.34	81.70
22 66 53 00-0211	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	804.01	89.90
22 66 53 00-0212	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	979.37	107.58
22 66 53 00-0213	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	2,909.19	132.47
22 66 53 00-0214		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hubs** *(22 66 53 00-0103)*		
22 66 53 00-0215	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	326.99	81.70
22 66 53 00-0216	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	413.60	89.90
22 66 53 00-0217	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	570.37	107.58
22 66 53 00-0218	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	740.86	132.47
22 66 53 00-0219	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	1,444.68	184.83
22 66 53 00-0220		**Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings** *(22 66 53 00-0093)*		
		Note: Labor costs for installation of lead and oakum are included in the installation costs for fittings.		
22 66 53 00-0221	LB	Lead (1 Lb./Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings	6.73	
22 66 53 00-0222	LB	Seal-Tite Packing (1/8 Lb./Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings	68.17	
22 66 53 00-0223		**Mechanical Joint High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings** *(22 66 53)*		
		Note: ASTM A518.		
22 66 53 00-0224		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe** *(22 66 53 00-0223)*		
22 66 53 00-0225	LF	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe	89.42	7.22
22 66 53 00-0226	LF	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe	101.77	7.98
22 66 53 00-0227	LF	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe	140.46	10.02
22 66 53 00-0228	LF	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe	177.27	11.64
22 66 53 00-0229		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Fittings** *(22 66 53 00-0223)*		
22 66 53 00-0230		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweeps** *(22 66 53 00-0229)*		
22 66 53 00-0231	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	327.52	57.23
22 66 53 00-0232	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	353.57	64.68
22 66 53 00-0233	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	486.19	71.36
22 66 53 00-0234	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	586.69	86.23
22 66 53 00-0235		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends** *(22 66 53 00-0229)*		
22 66 53 00-0236	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	182.51	57.23
22 66 53 00-0237	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	218.71	64.02
22 66 53 00-0238	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	282.06	71.57
22 66 53 00-0239	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	370.06	85.59
22 66 53 00-0240	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	213.37	60.47
22 66 53 00-0241		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends** *(22 66 53 00-0229)*		
22 66 53 00-0242	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	182.51	57.23
22 66 53 00-0243	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	218.71	64.02
22 66 53 00-0244	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	282.06	71.57
22 66 53 00-0245	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	370.06	85.59
22 66 53 00-0246		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bends** *(22 66 53 00-0229)*		
22 66 53 00-0247	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend	215.98	57.23
22 66 53 00-0248	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend	270.76	64.02
22 66 53 00-0249	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend	419.64	71.57
22 66 53 00-0250	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend	470.45	85.59
22 66 53 00-0251		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends** *(22 66 53 00-0229)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0252	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	208.54	57.23
22 66 53 00-0253	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	248.46	64.02
22 66 53 00-0254	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	386.17	71.57
22 66 53 00-0255	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	436.99	85.59
22 66 53 00-0256		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bends** *(22 66 53 00-0229)*		
22 66 53 00-0257	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bend	315.04	86.12
22 66 53 00-0258		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tees** *(22 66 53 00-0229)*		
22 66 53 00-0259	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	255.55	86.12
22 66 53 00-0260	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	316.48	97.01
22 66 53 00-0261	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	418.65	108.11
22 66 53 00-0262	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	636.48	129.46
22 66 53 00-0263		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tees** *(22 66 53 00-0229)*		
22 66 53 00-0264	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	296.13	93.35
22 66 53 00-0265	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	362.82	100.68
22 66 53 00-0266	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Sanitary Reducing Tee	386.75	104.23
22 66 53 00-0267	EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	414.06	115.01
22 66 53 00-0268	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	456.18	118.25
22 66 53 00-0269	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	495.02	121.80
22 66 53 00-0270		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wyes** *(22 66 53 00-0229)*		
22 66 53 00-0271	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye	255.98	86.45
22 66 53 00-0272	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye	301.60	97.01
22 66 53 00-0273	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye	403.77	108.11
22 66 53 00-0274	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye	636.48	129.46
22 66 53 00-0275		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes** *(22 66 53 00-0229)*		
22 66 53 00-0276	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	285.70	93.89
22 66 53 00-0277	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	351.64	100.57
22 66 53 00-0278	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	368.63	104.56
22 66 53 00-0279	EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	414.57	115.34
22 66 53 00-0280	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	457.16	118.89
22 66 53 00-0281	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	484.32	122.12
22 66 53 00-0282		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wyes** *(22 66 53 00-0229)*		
22 66 53 00-0283	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	384.54	115.12
22 66 53 00-0284	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	491.64	129.57
22 66 53 00-0285	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	631.34	143.36
22 66 53 00-0286	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	823.58	172.36
22 66 53 00-0287	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	424.51	121.91
22 66 53 00-0288	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	476.17	129.14
22 66 53 00-0289	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	568.73	136.25
22 66 53 00-0290	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	627.75	150.90
22 66 53 00-0291	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	758.20	158.56
22 66 53 00-0292		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Crosses** *(22 66 53 00-0229)*		
22 66 53 00-0293	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	429.09	115.12
22 66 53 00-0294	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	506.25	129.35
22 66 53 00-0295	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	729.22	144.11
22 66 53 00-0296	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	1,020.92	172.57
22 66 53 00-0297	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	461.63	121.91
22 66 53 00-0298	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	606.27	129.14
22 66 53 00-0299	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	639.30	136.25
22 66 53 00-0300	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	683.47	150.80
22 66 53 00-0301	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	872.62	157.91
22 66 53 00-0302		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends** *(22 66 53 00-0229)*		
22 66 53 00-0303	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	284.86	85.80
22 66 53 00-0304	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	331.35	97.01
22 66 53 00-0305	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	403.77	108.11
22 66 53 00-0306	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	677.38	129.46

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0307		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends** *(22 66 53 00-0229)*		
22 66 53 00-0308	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	314.81	93.46
22 66 53 00-0309	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	352.07	100.89
22 66 53 00-0310	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	383.50	104.56
22 66 53 00-0311	EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	522.40	115.34
22 66 53 00-0312	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	535.25	118.89
22 66 53 00-0313	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	599.59	122.12
22 66 53 00-0314		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bends** *(22 66 53 00-0229)*		
22 66 53 00-0315	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	454.87	114.90
22 66 53 00-0316	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	573.08	129.25
22 66 53 00-0317	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	828.84	143.68
22 66 53 00-0318	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	995.44	172.89
22 66 53 00-0319		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bends** *(22 66 53 00-0229)*		
22 66 53 00-0320	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	495.10	121.91
22 66 53 00-0321	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	595.08	129.02
22 66 53 00-0322	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	620.71	136.25
22 66 53 00-0323	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	690.90	150.80
22 66 53 00-0324	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	872.62	157.91
22 66 53 00-0325		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducers-Increasers** *(22 66 53 00-0229)*		
22 66 53 00-0326	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	214.27	61.11
22 66 53 00-0327	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	241.97	64.68
22 66 53 00-0328	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	284.17	75.46
22 66 53 00-0329	EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	338.00	71.68
22 66 53 00-0330	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	358.24	75.23
22 66 53 00-0331	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	378.49	78.79
22 66 53 00-0332		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tees** *(22 66 53 00-0229)*		
22 66 53 00-0333	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	198.15	50.33
22 66 53 00-0334	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	230.35	56.91
22 66 53 00-0335	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	271.33	64.46
22 66 53 00-0336	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	496.94	78.47
22 66 53 00-0337		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plugs** *(22 66 53 00-0229)*		
22 66 53 00-0338	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	87.54	28.67
22 66 53 00-0339	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	103.77	32.01
22 66 53 00-0340	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	113.15	35.79
22 66 53 00-0341	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	145.99	42.79
22 66 53 00-0342		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Traps** *(22 66 53 00-0229)*		
22 66 53 00-0343	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	364.20	56.91
22 66 53 00-0344	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	374.87	64.02
22 66 53 00-0345	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	464.26	71.57
22 66 53 00-0346	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	593.15	85.59
22 66 53 00-0347	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	508.15	61.22
22 66 53 00-0348	EA	2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	701.13	68.33
22 66 53 00-0349	EA	3" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	849.29	75.46
22 66 53 00-0350	EA	4" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	1,056.83	89.90
22 66 53 00-0351		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum Traps** *(22 66 53 00-0229)*		
22 66 53 00-0352	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap	681.16	65.00
22 66 53 00-0353	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap	1,078.24	71.90
22 66 53 00-0354	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap	710.51	64.68

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0355	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap	1,078.24	71.90
22 66 53 00-0356		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Traps** *(22 66 53 00-0229)*		
22 66 53 00-0357	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap	632.43	64.68
22 66 53 00-0358	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap	743.60	71.90
22 66 53 00-0359	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long P-Trap	732.82	64.68
22 66 53 00-0360	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap	1,617.37	71.90
22 66 53 00-0361	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap	959.25	71.90
22 66 53 00-0362		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bends** *(22 66 53 00-0229)*		
22 66 53 00-0363	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend	260.98	57.56
22 66 53 00-0364	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend	342.41	64.68
22 66 53 00-0365		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapters** *(22 66 53 00-0229)*		
22 66 53 00-0366	EA	1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	131.61	43.11
22 66 53 00-0367	EA	1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	244.82	46.78
22 66 53 00-0368	EA	2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	177.52	53.90
22 66 53 00-0369		**Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter** *(22 66 53 00-0229)*		
22 66 53 00-0370	EA	1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	248.17	61.33
22 66 53 00-0371	EA	1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	271.71	64.68
22 66 53 00-0372	EA	1-1/2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	303.13	68.23
22 66 53 00-0373	EA	1-1/2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	324.78	75.23
22 66 53 00-0374	EA	2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	303.18	68.33
22 66 53 00-0375	EA	2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	319.67	71.90
22 66 53 00-0376	EA	2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	345.03	78.79
22 66 53 00-0377	EA	3" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	392.04	75.46
22 66 53 00-0378	EA	4" x 4" Mechanical Joint High Silicon Iron Alloy Hub To Mechanical Joint Adapter	484.25	89.90
22 66 53 00-0379		**Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings** *(22 66 53 00-0229)*		
22 66 53 00-0380	EA	1-1/2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting	89.24	
22 66 53 00-0381	EA	2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting	104.11	
22 66 53 00-0382	EA	3" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting	111.55	
22 66 53 00-0383	EA	4" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting	122.70	
22 66 53 00-0384		**Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Fittings** *(22 66 53 00-0229)*		
22 66 53 00-0385	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Outlet	656.61	28.78
22 66 53 00-0386	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Stopper	248.37	14.33
22 66 53 00-0387	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Overflow	464.02	14.33
22 66 53 00-0388		**Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drains With Stainless Steel Strainer Plates** *(22 66 53 00-0229)*		
22 66 53 00-0389	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain With Stainless Steel Strainer	2,349.82	143.79
22 66 53 00-0390	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Sediment Basin Floor Drain With Stainless Steel Strainer	2,903.45	151.01
22 66 53 00-0391	EA	Stainless Steel Funnel Attachment For Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain	1,962.44	14.33
22 66 53 00-0392		**Chlorinated Polyvinyl Chloride (CPVC) Drain-Waste-Vent (DWV) Pipe And Fittings (ASTM F2618)** *(22 66 53)*		
22 66 53 00-0393		**Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe** *(22 66 53 00-0392)* Note: Excludes fittings or hangers.		
22 66 53 00-0394	LF	1-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe	13.21	4.52
22 66 53 00-0395	LF	2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe	16.83	5.39
22 66 53 00-0396	LF	3" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe	27.39	7.76
22 66 53 00-0397	LF	4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe	34.98	8.41
22 66 53 00-0398	LF	6" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe	56.27	10.55
22 66 53 00-0399	LF	8" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe	123.98	14.04
22 66 53 00-0400		**Chlorinated Polyvinyl Chloride (CPVC) DWV Fittings** *(22 66 53 00-0392)*		
22 66 53 00-0401		**Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends** *(22 66 53 00-0400)*		
22 66 53 00-0402	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends Note: 0.125	51.74	18.00
		For Work In Restricted Working Space, Add	*8.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0403	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends Note: 0.16	65.28	22.96
		For Work In Restricted Working Space, Add	*10.35*	
22 66 53 00-0404	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends Note: 0.215	98.64	30.82
		For Work In Restricted Working Space, Add	*13.91*	
22 66 53 00-0405	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends Note: 0.25	137.09	35.89
		For Work In Restricted Working Space, Add	*16.17*	
22 66 53 00-0406	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends Note: 0.325	285.36	46.68
		For Work In Restricted Working Space, Add	*21.02*	
22 66 53 00-0407	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends Note: 0.438	394.39	62.85
		For Work In Restricted Working Space, Add	*28.29*	
22 66 53 00-0408		**Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends** *(22 66 53 00-0400)*		
22 66 53 00-0409	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends	52.59	18.00
		For Work In Restricted Working Space, Add	*8.09*	
22 66 53 00-0410	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends	69.45	22.96
		For Work In Restricted Working Space, Add	*10.35*	
22 66 53 00-0411	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends	106.16	30.82
		For Work In Restricted Working Space, Add	*13.91*	
22 66 53 00-0412	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends	139.85	35.89
		For Work In Restricted Working Space, Add	*16.17*	
22 66 53 00-0413		**Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends** *(22 66 53 00-0400)*		
22 66 53 00-0414	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends	51.30	18.00
		For Work In Restricted Working Space, Add	*8.09*	
22 66 53 00-0415	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends	64.15	22.96
		For Work In Restricted Working Space, Add	*10.35*	
22 66 53 00-0416	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends	100.80	30.82
		For Work In Restricted Working Space, Add	*13.91*	
22 66 53 00-0417	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends	115.61	35.89
		For Work In Restricted Working Space, Add	*16.17*	
22 66 53 00-0418	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends	250.29	46.68
		For Work In Restricted Working Space, Add	*21.02*	
22 66 53 00-0419	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends	354.18	62.85
		For Work In Restricted Working Space, Add	*28.29*	
22 66 53 00-0420		**Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends** *(22 66 53 00-0400)*		
22 66 53 00-0421	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends	51.79	18.00
		For Work In Restricted Working Space, Add	*8.09*	
22 66 53 00-0422	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends	64.12	22.96
		For Work In Restricted Working Space, Add	*10.35*	
22 66 53 00-0423	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends	99.91	30.82
		For Work In Restricted Working Space, Add	*13.91*	
22 66 53 00-0424	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends	122.61	35.89
		For Work In Restricted Working Space, Add	*16.17*	
22 66 53 00-0425	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends	207.44	46.68
		For Work In Restricted Working Space, Add	*21.02*	
22 66 53 00-0426	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends	235.96	62.85
		For Work In Restricted Working Space, Add	*28.29*	
22 66 53 00-0427		**Chlorinated Polyvinyl Chloride (CPVC) DWV Double 1/4 Bends** *(22 66 53 00-0400)*		
22 66 53 00-0428	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double 1/4 Bends	272.73	46.35
		For Work In Restricted Working Space, Add	*20.86*	
22 66 53 00-0429	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double 1/4 Bends	210.68	34.49
		For Work In Restricted Working Space, Add	*15.52*	
22 66 53 00-0430	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double 1/4 Bends	131.37	26.95
		For Work In Restricted Working Space, Add	*12.13*	
22 66 53 00-0431		**Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees** *(22 66 53 00-0400)*		
22 66 53 00-0432	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees	71.21	26.95
		For Work In Restricted Working Space, Add	*12.13*	
22 66 53 00-0433	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees	88.61	34.49
		For Work In Restricted Working Space, Add	*15.52*	
22 66 53 00-0434	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees	143.33	46.35
		For Work In Restricted Working Space, Add	*20.86*	
22 66 53 00-0435	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees	191.41	53.90
		For Work In Restricted Working Space, Add	*24.26*	
22 66 53 00-0436	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees	473.63	69.96
		For Work In Restricted Working Space, Add	*31.53*	
22 66 53 00-0437	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees	655.00	94.21
		For Work In Restricted Working Space, Add	*42.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0438		**Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees** *(22 66 53 00-0400)*		
22 66 53 00-0439	EA	2" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	81.00	29.42
		For Work In Restricted Working Space, Add	*13.26*	
22 66 53 00-0440	EA	2" x 1-1/2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	86.45	31.91
		For Work In Restricted Working Space, Add	*14.39*	
22 66 53 00-0441	EA	2" x 2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	84.78	31.91
		For Work In Restricted Working Space, Add	*14.39*	
22 66 53 00-0442	EA	3" x 3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	123.89	39.88
		For Work In Restricted Working Space, Add	*17.95*	
22 66 53 00-0443	EA	3" x 3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	132.48	42.37
		For Work In Restricted Working Space, Add	*19.08*	
22 66 53 00-0444	EA	4" x 4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	169.93	47.42
		For Work In Restricted Working Space, Add	*21.35*	
22 66 53 00-0445	EA	4" x 4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	180.28	51.31
		For Work In Restricted Working Space, Add	*23.12*	
22 66 53 00-0446	EA	6" x 6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	355.07	64.57
		For Work In Restricted Working Space, Add	*29.10*	
22 66 53 00-0447	EA	8" x 8" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	794.22	80.73
		For Work In Restricted Working Space, Add	*36.38*	
22 66 53 00-0448		**Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees** *(22 66 53 00-0400)*		
22 66 53 00-0449	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees	100.29	35.89
		For Work In Restricted Working Space, Add	*16.17*	
22 66 53 00-0450	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees	123.70	45.92
		For Work In Restricted Working Space, Add	*20.70*	
22 66 53 00-0451	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees	165.86	61.77
		For Work In Restricted Working Space, Add	*27.81*	
22 66 53 00-0452	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees	205.43	71.79
		For Work In Restricted Working Space, Add	*32.34*	
22 66 53 00-0453		**Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Double Sanitary Tees** *(22 66 53 00-0400)*		
22 66 53 00-0454	EA	2" x 2" x 1-1/2" x 1-1/2 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee	122.55	40.96
		For Work In Restricted Working Space, Add	*18.43*	
22 66 53 00-0455	EA	3" x 3" x 1-1/2" x 1-1/2 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee	146.34	48.83
		For Work In Restricted Working Space, Add	*21.99*	
22 66 53 00-0456	EA	3" x 3" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee	183.67	53.90
		For Work In Restricted Working Space, Add	*24.26*	
22 66 53 00-0457	EA	4" x 4" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee	167.74	58.86
		For Work In Restricted Working Space, Add	*26.52*	
22 66 53 00-0458	EA	4" x 4" x 3" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee	187.86	66.72
		For Work In Restricted Working Space, Add	*30.08*	
22 66 53 00-0459		**Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers** *(22 66 53 00-0400)*		
22 66 53 00-0460	EA	2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers	68.61	20.48
		For Work In Restricted Working Space, Add	*9.22*	
22 66 53 00-0461	EA	3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers	76.65	24.36
		For Work In Restricted Working Space, Add	*11.00*	
22 66 53 00-0462	EA	3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers	120.43	26.95
		For Work In Restricted Working Space, Add	*12.13*	
22 66 53 00-0463	EA	4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers	132.11	29.42
		For Work In Restricted Working Space, Add	*13.26*	
22 66 53 00-0464	EA	4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers	146.06	33.41
		For Work In Restricted Working Space, Add	*15.04*	
22 66 53 00-0465	EA	6" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers	195.78	38.80
		For Work In Restricted Working Space, Add	*17.46*	
22 66 53 00-0466	EA	6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers	224.21	41.28
		For Work In Restricted Working Space, Add	*18.59*	
22 66 53 00-0467		**Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushings** *(22 66 53 00-0400)*		
22 66 53 00-0468	EA	2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	51.37	20.48
		For Work In Restricted Working Space, Add	*9.22*	
22 66 53 00-0469	EA	3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	58.47	24.36
		For Work In Restricted Working Space, Add	*11.00*	
22 66 53 00-0470	EA	3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	64.21	26.95
		For Work In Restricted Working Space, Add	*12.13*	
22 66 53 00-0471	EA	4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	96.99	29.42
		For Work In Restricted Working Space, Add	*13.26*	
22 66 53 00-0472	EA	4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	104.15	33.41
		For Work In Restricted Working Space, Add	*15.04*	
22 66 53 00-0473	EA	6" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	157.32	38.80
		For Work In Restricted Working Space, Add	*17.46*	
22 66 53 00-0474	EA	6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	156.50	41.28
		For Work In Restricted Working Space, Add	*18.59*	
22 66 53 00-0475	EA	8" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	417.69	49.37
		For Work In Restricted Working Space, Add	*22.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0476	EA	8" x 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	440.64	54.76
		For Work In Restricted Working Space, Add	*24.68*	

22 66 53 00-0477 Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps *(22 66 53 00-0400)*

22 66 53 00-0478	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps	88.76	26.95
		For Work In Restricted Working Space, Add	*12.13*	
22 66 53 00-0479	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps	119.17	34.49
		For Work In Restricted Working Space, Add	*15.52*	
22 66 53 00-0480	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps	191.95	46.35
		For Work In Restricted Working Space, Add	*20.86*	
22 66 53 00-0481	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps	298.46	53.90
		For Work In Restricted Working Space, Add	*24.26*	

22 66 53 00-0482 Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes *(22 66 53 00-0400)*

22 66 53 00-0483	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes	71.81	26.95
		For Work In Restricted Working Space, Add	*12.13*	
22 66 53 00-0484	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes	95.76	34.49
		For Work In Restricted Working Space, Add	*15.52*	
22 66 53 00-0485	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes	148.00	46.35
		For Work In Restricted Working Space, Add	*20.86*	
22 66 53 00-0486	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes	195.24	53.90
		For Work In Restricted Working Space, Add	*24.26*	
22 66 53 00-0487	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes	395.49	69.96
		For Work In Restricted Working Space, Add	*31.53*	
22 66 53 00-0488	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes	457.55	94.21
		For Work In Restricted Working Space, Add	*42.44*	

22 66 53 00-0489 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes *(22 66 53 00-0400)*

22 66 53 00-0490	EA	2" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	78.50	29.42
		For Work In Restricted Working Space, Add	*13.26*	
22 66 53 00-0491	EA	2" x 2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	92.00	31.91
		For Work In Restricted Working Space, Add	*14.39*	
22 66 53 00-0492	EA	3" x 3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	127.39	39.88
		For Work In Restricted Working Space, Add	*17.95*	
22 66 53 00-0493	EA	3" x 3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	136.75	42.37
		For Work In Restricted Working Space, Add	*19.08*	
22 66 53 00-0494	EA	4" x 4" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	139.99	44.84
		For Work In Restricted Working Space, Add	*20.21*	
22 66 53 00-0495	EA	4" x 4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	176.44	47.42
		For Work In Restricted Working Space, Add	*21.35*	
22 66 53 00-0496	EA	4" x 4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	186.87	51.31
		For Work In Restricted Working Space, Add	*23.12*	
22 66 53 00-0497	EA	6" x 6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	285.58	64.57
		For Work In Restricted Working Space, Add	*29.10*	
22 66 53 00-0498	EA	8" x 8" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	340.93	80.73
		For Work In Restricted Working Space, Add	*36.38*	
22 66 53 00-0499	EA	8" x 8" x 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	373.82	86.12
		For Work In Restricted Working Space, Add	*38.81*	

22 66 53 00-0500 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes *(22 66 53 00-0400)*

22 66 53 00-0501	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	112.79	35.89
		For Work In Restricted Working Space, Add	*16.17*	
22 66 53 00-0502	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	131.25	45.92
		For Work In Restricted Working Space, Add	*20.70*	
22 66 53 00-0503	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	205.25	61.77
		For Work In Restricted Working Space, Add	*27.81*	
22 66 53 00-0504	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	364.55	71.79
		For Work In Restricted Working Space, Add	*32.34*	
22 66 53 00-0505	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	586.63	93.35
		For Work In Restricted Working Space, Add	*42.04*	

22 66 53 00-0506 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Double Wyes *(22 66 53 00-0400)*

22 66 53 00-0507	EA	2" x 2" x 1-1/2" x 1-1/2 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	154.87	40.96
		For Work In Restricted Working Space, Add	*18.43*	
22 66 53 00-0508	EA	3" x 3" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	195.81	53.90
		For Work In Restricted Working Space, Add	*24.26*	
22 66 53 00-0509	EA	4" x 4" x 3" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	327.70	66.72
		For Work In Restricted Working Space, Add	*30.08*	
22 66 53 00-0510	EA	6" x 6" x 4" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	479.38	82.57
		For Work In Restricted Working Space, Add	*37.19*	

22 66 53 00-0511 Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends *(22 66 53 00-0400)*

22 66 53 00-0512	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	81.40	26.95
		For Work In Restricted Working Space, Add	*12.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0513	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	106.41	34.49
		For Work In Restricted Working Space, Add	*15.52*	
22 66 53 00-0514	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	156.82	46.35
		For Work In Restricted Working Space, Add	*20.86*	
22 66 53 00-0515	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	204.84	53.90
		For Work In Restricted Working Space, Add	*24.26*	
22 66 53 00-0516	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	440.22	69.96
		For Work In Restricted Working Space, Add	*31.53*	
22 66 53 00-0517	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	758.08	94.21
		For Work In Restricted Working Space, Add	*42.44*	

22 66 53 00-0518 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Combination Wye And 1/8 Bends *(22 66 53 00-0400)*

22 66 53 00-0519	EA	2" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	78.28	29.42
		For Work In Restricted Working Space, Add	*13.26*	
22 66 53 00-0520	EA	2" x 2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	97.20	31.91
		For Work In Restricted Working Space, Add	*14.39*	
22 66 53 00-0521	EA	3" x 3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	132.44	39.88
		For Work In Restricted Working Space, Add	*17.95*	
22 66 53 00-0522	EA	3" x 3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	142.26	42.37
		For Work In Restricted Working Space, Add	*19.08*	
22 66 53 00-0523	EA	4" x 4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	180.07	47.42
		For Work In Restricted Working Space, Add	*21.35*	
22 66 53 00-0524	EA	4" x 4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	191.35	51.31
		For Work In Restricted Working Space, Add	*23.12*	
22 66 53 00-0525	EA	6" x 6" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	346.90	62.09
		For Work In Restricted Working Space, Add	*27.97*	
22 66 53 00-0526	EA	6" x 6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	360.44	64.57
		For Work In Restricted Working Space, Add	*29.10*	

22 66 53 00-0527 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends *(22 66 53 00-0400)*

22 66 53 00-0528	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	120.44	35.89
		For Work In Restricted Working Space, Add	*16.17*	
22 66 53 00-0529	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	177.09	45.92
		For Work In Restricted Working Space, Add	*20.70*	
22 66 53 00-0530	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	278.48	61.77
		For Work In Restricted Working Space, Add	*27.81*	
22 66 53 00-0531	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	459.85	71.79
		For Work In Restricted Working Space, Add	*32.34*	
22 66 53 00-0532	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	630.69	93.35
		For Work In Restricted Working Space, Add	*42.04*	

22 66 53 00-0533 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Double Combination Wye And 1/8 Bends *(22 66 53 00-0400)*

22 66 53 00-0534	EA	2" x 2" x 1-1/2" x 1-1/2 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	154.88	40.96
		For Work In Restricted Working Space, Add	*18.43*	
22 66 53 00-0535	EA	3" x 3" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	236.60	53.90
		For Work In Restricted Working Space, Add	*24.26*	
22 66 53 00-0536	EA	4" x 4" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	283.43	58.86
		For Work In Restricted Working Space, Add	*26.52*	
22 66 53 00-0537	EA	4" x 4" x 3" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	295.29	66.72
		For Work In Restricted Working Space, Add	*30.08*	
22 66 53 00-0538	EA	6" x 6" x 3" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	371.15	77.50
		For Work In Restricted Working Space, Add	*34.92*	
22 66 53 00-0539	EA	6" x 6" x 4" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	414.66	82.57
		For Work In Restricted Working Space, Add	*37.19*	

22 66 53 00-0540 Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees With Plug *(22 66 53 00-0400)*

22 66 53 00-0541	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees	77.09	26.95
		For Work In Restricted Working Space, Add	*12.13*	
22 66 53 00-0542	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees	92.24	34.49
		For Work In Restricted Working Space, Add	*15.52*	
22 66 53 00-0543	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees	154.45	46.35
		For Work In Restricted Working Space, Add	*20.86*	
22 66 53 00-0544	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees	196.52	53.90
		For Work In Restricted Working Space, Add	*24.26*	
22 66 53 00-0545	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees	417.49	69.96
		For Work In Restricted Working Space, Add	*31.53*	
22 66 53 00-0546	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug	19.02	8.94
		For Work In Restricted Working Space, Add	*4.04*	
22 66 53 00-0547	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug	23.31	11.42
		For Work In Restricted Working Space, Add	*5.17*	
22 66 53 00-0548	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug	33.77	15.41
		For Work In Restricted Working Space, Add	*6.95*	
22 66 53 00-0549	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug	38.83	17.89
		For Work In Restricted Working Space, Add	*8.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0550	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug	62.74	23.28
		For Work In Restricted Working Space, Add	*10.51*	

22 66 53 00-0551 Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug *(22 66 53 00-0400)*

22 66 53 00-0552	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug	42.99	18.00
		For Work In Restricted Working Space, Add	*8.09*	
22 66 53 00-0553	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug	53.39	22.96
		For Work In Restricted Working Space, Add	*10.35*	
22 66 53 00-0554	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug	81.23	30.82
		For Work In Restricted Working Space, Add	*13.91*	
22 66 53 00-0555	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug	113.90	35.89
		For Work In Restricted Working Space, Add	*16.17*	
22 66 53 00-0556	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug	173.86	46.68
		For Work In Restricted Working Space, Add	*21.02*	
22 66 53 00-0557	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug	300.98	62.85
		For Work In Restricted Working Space, Add	*28.33*	

22 66 53 00-0558 Chlorinated Polyvinyl Chloride (CPVC) Couplings *(22 66 53 00-0400)*

22 66 53 00-0559	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Couplings	46.31	18.00
		For Work In Restricted Working Space, Add	*8.09*	
22 66 53 00-0560	EA	2" Chlorinated Polyvinyl Chloride (CPVC) Couplings	58.66	22.96
		For Work In Restricted Working Space, Add	*10.35*	
22 66 53 00-0561	EA	3" Chlorinated Polyvinyl Chloride (CPVC) Couplings	77.28	30.82
		For Work In Restricted Working Space, Add	*13.91*	
22 66 53 00-0562	EA	4" Chlorinated Polyvinyl Chloride (CPVC) Couplings	97.90	35.89
		For Work In Restricted Working Space, Add	*16.17*	
22 66 53 00-0563	EA	6" Chlorinated Polyvinyl Chloride (CPVC) Couplings	139.82	46.68
		For Work In Restricted Working Space, Add	*21.02*	
22 66 53 00-0564	EA	8" Chlorinated Polyvinyl Chloride (CPVC) Couplings	282.51	62.85
		For Work In Restricted Working Space, Add	*28.33*	

22 66 53 00-0565 Chlorinated Polyvinyl Chloride (CPVC) Female Adapters *(22 66 53 00-0400)*

22 66 53 00-0566	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters	28.71	8.94
22 66 53 00-0567	EA	2" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters	37.99	11.53
22 66 53 00-0568	EA	3" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters	57.42	15.41
22 66 53 00-0569	EA	4" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters	92.77	18.00
22 66 53 00-0570	EA	6" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters	145.29	23.28

22 66 53 00-0571 Chlorinated Polyvinyl Chloride (CPVC) Male Adapters *(22 66 53 00-0400)*

22 66 53 00-0572	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters	31.72	8.94
22 66 53 00-0573	EA	2" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters	44.62	11.53
22 66 53 00-0574	EA	3" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters	53.16	15.41
22 66 53 00-0575	EA	4" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters	89.45	18.00
22 66 53 00-0576	EA	6" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters	119.39	23.28

22 66 53 00-0577 Chlorinated Polyvinyl Chloride (CPVC) Caps *(22 66 53 00-0400)*

22 66 53 00-0578	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap	28.54	8.94
22 66 53 00-0579	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap	35.26	11.53
22 66 53 00-0580	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap	54.32	15.41
22 66 53 00-0581	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap	90.43	18.00
22 66 53 00-0582	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap	115.47	23.28
22 66 53 00-0583	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap	179.86	31.48

22 66 83 Chemical-Waste Tanks *(22 66)*

22 66 83 16 Chemical-Waste Neutralization Tanks *(22 66 83)*

22 66 83 16-0001 Acid Neutralization Tank *(22 66 83 16)*

22 66 83 16-0002 Polyethylene Acid Neutralization Tank *(22 66 83 16-0001)*

22 66 83 16-0003	EA	5 Gallon Capacity Polyethylene Acid Neutralization Tank	577.90	219.48
22 66 83 16-0004	EA	15 Gallon Capacity Polyethylene Acid Neutralization Tank	1,063.39	304.34
22 66 83 16-0005	EA	30 Gallon Capacity Polyethylene Acid Neutralization Tank	1,312.68	438.96
22 66 83 16-0006	EA	55 Gallon Capacity Polyethylene Acid Neutralization Tank	1,681.70	585.28
22 66 83 16-0007	EA	100 Gallon Capacity Polyethylene Acid Neutralization Tank	2,167.78	702.33
22 66 83 16-0008	EA	150 Gallon Capacity Polyethylene Acid Neutralization Tank	2,979.52	877.92
22 66 83 16-0009	EA	200 Gallon Capacity Polyethylene Acid Neutralization Tank	3,424.30	1,097.40
22 66 83 16-0010	EA	275 Gallon Capacity Polyethylene Acid Neutralization Tank	4,465.71	1,316.87
22 66 83 16-0011	EA	350 Gallon Capacity Polyethylene Acid Neutralization Tank	5,054.59	1,580.25

22 66 83 16-0012 Polypropylene Acid Neutralization Tank *(22 66 83 16-0001)*

22 66 83 16-0013	EA	5 Gallon Capacity Polypropylene Acid Neutralization Tank	977.25	219.48
22 66 83 16-0014	EA	15 Gallon Capacity Polypropylene Acid Neutralization Tank	1,695.69	304.34
22 66 83 16-0015	EA	30 Gallon Capacity Polypropylene Acid Neutralization Tank	2,705.56	438.96

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 83 16-0016	EA	55 Gallon Capacity Polypropylene Acid Neutralization Tank	3,564.91	585.28
22 66 83 16-0017	EA	100 Gallon Capacity Polypropylene Acid Neutralization Tank	4,516.61	702.33
22 66 83 16-0018	EA	150 Gallon Capacity Polypropylene Acid Neutralization Tank	5,133.15	877.92
22 66 83 16-0019	EA	200 Gallon Capacity Polypropylene Acid Neutralization Tank	5,568.43	1,097.40
22 66 83 16-0020	EA	275 Gallon Capacity Polypropylene Acid Neutralization Tank	8,209.63	1,316.87
22 66 83 16-0021	EA	350 Gallon Capacity Polypropylene Acid Neutralization Tank	8,848.42	1,580.25

22 66 83 16-0022 Chemical Dilution Trap *(22 66 83 16)*

22 66 83 16-0023	EA	1 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap Note: 1-1/2" top inlet and side outlet with anti siphon.	530.19	73.16
22 66 83 16-0024	EA	1-1/2 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap Note: 1-1/2" top inlet and side outlet with anti siphon.	547.67	73.16
22 66 83 16-0025	EA	2 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap Note: 1-1/2" top inlet and side outlet with anti siphon.	565.14	73.16
22 66 83 16-0026	EA	5 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap Note: 1-1/2" top inlet and side outlet with anti siphon.	617.53	87.79

22 67 Processed Water Systems for Laboratory and Healthcare Facilities *(22 60)*

22 67 13 Processed Water Piping for Laboratory and Healthcare Facilities *(22 67)*

22 67 13 53 Laboratory Water Piping *(22 67 13)*

22 67 13 53-0001 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe And Fittings *(22 67 13 53)*

22 67 13 53-0002 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe *(22 67 13 53-0001)*

22 67 13 53-0003	LF	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe	10.04	3.12
		For Work In Restricted Working Space, Add	*1.39*	
22 67 13 53-0004	LF	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe	12.63	3.88
		For Work In Restricted Working Space, Add	*1.73*	
22 67 13 53-0005	LF	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe	16.04	4.10
		For Work In Restricted Working Space, Add	*1.85*	
22 67 13 53-0006	LF	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe	24.98	4.52
		For Work In Restricted Working Space, Add	*2.02*	
22 67 13 53-0007	LF	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe	33.40	5.39
		For Work In Restricted Working Space, Add	*2.42*	

22 67 13 53-0008 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 90 Degree Elbows *(22 67 13 53-0001)*

22 67 13 53-0009	EA	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 90 Degree Elbow	37.84	11.53
		For Work In Restricted Working Space, Add	*5.22*	
22 67 13 53-0010	EA	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 90 Degree Elbow	46.95	15.41
		For Work In Restricted Working Space, Add	*6.95*	
22 67 13 53-0011	EA	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 90 Degree Elbow	56.39	19.19
		For Work In Restricted Working Space, Add	*8.63*	
22 67 13 53-0012	EA	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 90 Degree Elbow	89.54	30.61
		For Work In Restricted Working Space, Add	*13.76*	
22 67 13 53-0013	EA	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 90 Degree Elbow	110.77	38.91
		For Work In Restricted Working Space, Add	*17.48*	

22 67 13 53-0014 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 45 Degree Elbows *(22 67 13 53-0001)*

22 67 13 53-0015	EA	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 45 Degree Elbow	37.84	11.64
		For Work In Restricted Working Space, Add	*5.22*	
22 67 13 53-0016	EA	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 45 Degree Elbow	46.95	15.41
		For Work In Restricted Working Space, Add	*6.95*	
22 67 13 53-0017	EA	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 45 Degree Elbow	56.39	19.19
		For Work In Restricted Working Space, Add	*8.63*	
22 67 13 53-0018	EA	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 45 Degree Elbow	90.04	30.61
		For Work In Restricted Working Space, Add	*13.76*	
22 67 13 53-0019	EA	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 45 Degree Elbow	110.77	38.91
		For Work In Restricted Working Space, Add	*17.48*	

22 67 13 53-0020 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Tees *(22 67 13 53-0001)*

22 67 13 53-0021	EA	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Tee	52.52	19.19
		For Work In Restricted Working Space, Add	*8.63*	
22 67 13 53-0022	EA	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Tee	62.41	23.18
		For Work In Restricted Working Space, Add	*10.43*	
22 67 13 53-0023	EA	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Tee	77.65	30.61
		For Work In Restricted Working Space, Add	*13.76*	
22 67 13 53-0024	EA	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Tee	127.58	46.35
		For Work In Restricted Working Space, Add	*20.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 67 13 53-0025	EA	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Tee	164.72	57.56
		For Work In Restricted Working Space, Add	*25.87*	

22 67 13 53-0026 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Tees *(22 67 13 53-0001)*

22 67 13 53-0027	EA	3/4" x 1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Tee	111.93	21.56
		For Work In Restricted Working Space, Add	*9.70*	
22 67 13 53-0028	EA	1" x 1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Tee	131.69	25.11
		For Work In Restricted Working Space, Add	*11.32*	
22 67 13 53-0029	EA	1" x 3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Tee	138.80	27.27
		For Work In Restricted Working Space, Add	*12.29*	
22 67 13 53-0030	EA	1-1/2" x 1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Tee	175.95	38.80
		For Work In Restricted Working Space, Add	*17.46*	
22 67 13 53-0031	EA	2" x 1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Tee	214.14	51.73
		For Work In Restricted Working Space, Add	*23.28*	

22 67 13 53-0032 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Inserts *(22 67 13 53-0001)*

22 67 13 53-0033	EA	3/4" x 1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert	50.61	13.69
		For Work In Restricted Working Space, Add	*6.14*	
22 67 13 53-0034	EA	1" x 1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert	60.19	15.84
		For Work In Restricted Working Space, Add	*7.11*	
22 67 13 53-0035	EA	1" x 3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert	68.41	18.00
		For Work In Restricted Working Space, Add	*8.09*	
22 67 13 53-0036	EA	1-1/2" x 1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert	92.04	21.56
		For Work In Restricted Working Space, Add	*9.70*	
22 67 13 53-0037	EA	1-1/2" x 3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert	98.04	23.71
		For Work In Restricted Working Space, Add	*10.67*	
22 67 13 53-0038	EA	1-1/2" x 1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert	101.85	25.11
		For Work In Restricted Working Space, Add	*11.32*	
22 67 13 53-0039	EA	2" x 1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert	152.32	35.25
		For Work In Restricted Working Space, Add	*15.85*	

22 67 13 53-0040 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Male Thread Adapters *(22 67 13 53-0001)*

22 67 13 53-0041	EA	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Male Thread Adapter	43.65	11.64
		For Work In Restricted Working Space, Add	*5.22*	
22 67 13 53-0042	EA	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Male Thread Adapter	54.96	15.41
		For Work In Restricted Working Space, Add	*6.95*	
22 67 13 53-0043	EA	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Male Thread Adapter	65.23	19.19
		For Work In Restricted Working Space, Add	*8.63*	
22 67 13 53-0044	EA	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Male Thread Adapter	95.62	30.61
		For Work In Restricted Working Space, Add	*13.76*	
22 67 13 53-0045	EA	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Male Thread Adapter	125.65	38.80
		For Work In Restricted Working Space, Add	*17.46*	

22 67 13 53-0046 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Female Thread Adapters *(22 67 13 53-0001)*

22 67 13 53-0047	EA	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Female Thread Adapter	43.65	11.64
		For Work In Restricted Working Space, Add	*5.22*	
22 67 13 53-0048	EA	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Female Thread Adapter	54.96	15.41
		For Work In Restricted Working Space, Add	*6.95*	
22 67 13 53-0049	EA	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Female Thread Adapter	65.23	19.19
		For Work In Restricted Working Space, Add	*8.63*	
22 67 13 53-0050	EA	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Female Thread Adapter	95.62	30.61
		For Work In Restricted Working Space, Add	*13.76*	
22 67 13 53-0051	EA	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Female Thread Adapter	124.59	38.91
		For Work In Restricted Working Space, Add	*17.48*	

22 67 13 53-0052 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Couplings *(22 67 13 53-0001)*

22 67 13 53-0053	EA	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Coupling	30.10	11.64
		For Work In Restricted Working Space, Add	*5.22*	
22 67 13 53-0054	EA	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Coupling	40.59	15.41
		For Work In Restricted Working Space, Add	*6.95*	
22 67 13 53-0055	EA	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Coupling	51.41	19.19
		For Work In Restricted Working Space, Add	*8.63*	
22 67 13 53-0056	EA	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Coupling	80.69	30.61
		For Work In Restricted Working Space, Add	*13.76*	
22 67 13 53-0057	EA	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Coupling	106.90	38.91
		For Work In Restricted Working Space, Add	*17.48*	

22 67 13 53-0058 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Unions

(22 67 13 53-0001)

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 67 13 53-0059	EA	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Union	115.81	19.19
		For Work In Restricted Working Space, Add	*8.63*	
22 67 13 53-0060	EA	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Union	127.36	23.18
		For Work In Restricted Working Space, Add	*10.43*	
22 67 13 53-0061	EA	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Union	149.24	30.61
		For Work In Restricted Working Space, Add	*13.76*	
22 67 13 53-0062	EA	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Union	256.93	46.35
		For Work In Restricted Working Space, Add	*20.86*	
22 67 13 53-0063	EA	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Union	354.87	57.56
		For Work In Restricted Working Space, Add	*25.87*	
22 67 13 53-0064		Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Caps *(22 67 13 53-0001)*		
22 67 13 53-0065	EA	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Cap	35.36	11.84
		For Work In Restricted Working Space, Add	*5.30*	
22 67 13 53-0066	EA	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Cap	43.63	15.41
		For Work In Restricted Working Space, Add	*6.95*	
22 67 13 53-0067	EA	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Cap	51.41	19.19
		For Work In Restricted Working Space, Add	*8.63*	
22 67 13 53-0068	EA	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Cap	81.25	30.61
		For Work In Restricted Working Space, Add	*13.76*	
22 67 13 53-0069	EA	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Cap	106.90	38.91
		For Work In Restricted Working Space, Add	*17.48*	
22 67 13 53-0070		Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 150 Lb. Flanges *(22 67 13 53-0001)*		
22 67 13 53-0071	EA	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 150 Lb. Flange	61.92	19.40
		For Work In Restricted Working Space, Add	*8.63*	
22 67 13 53-0072	EA	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 150 Lb. Flange	72.08	22.96
		For Work In Restricted Working Space, Add	*10.43*	
22 67 13 53-0073	EA	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 150 Lb. Flange	89.43	30.93
		For Work In Restricted Working Space, Add	*13.76*	
22 67 13 53-0074	EA	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 150 Lb. Flange	135.32	46.78
		For Work In Restricted Working Space, Add	*20.86*	
22 67 13 53-0075	EA	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 150 Lb. Flange	162.51	57.56
		For Work In Restricted Working Space, Add	*25.87*	
22 67 13 53-0076		Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe And Fittings *(22 67 13 53)*		
22 67 13 53-0077		Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe *(22 67 13 53-0076)*		
22 67 13 53-0078	LF	1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe	14.29	3.12
		For Work In Restricted Working Space, Add	*1.39*	
22 67 13 53-0079	LF	3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe	18.26	3.88
		For Work In Restricted Working Space, Add	*1.73*	
22 67 13 53-0080	LF	1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe	23.70	4.10
		For Work In Restricted Working Space, Add	*1.85*	
22 67 13 53-0081	LF	1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe	29.95	4.52
		For Work In Restricted Working Space, Add	*2.02*	
22 67 13 53-0082	LF	2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe	41.00	5.39
		For Work In Restricted Working Space, Add	*2.42*	
22 67 13 53-0083		Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 90 Degree Elbows *(22 67 13 53-0076)*		
22 67 13 53-0084	EA	1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 90 Degree Elbow	49.63	11.53
		For Work In Restricted Working Space, Add	*5.22*	
22 67 13 53-0085	EA	3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 90 Degree Elbow	63.67	15.41
		For Work In Restricted Working Space, Add	*6.95*	
22 67 13 53-0086	EA	1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 90 Degree Elbow	79.36	19.19
		For Work In Restricted Working Space, Add	*8.63*	
22 67 13 53-0087	EA	1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 90 Degree Elbow	114.48	30.61
		For Work In Restricted Working Space, Add	*13.76*	
22 67 13 53-0088	EA	2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 90 Degree Elbow	151.23	38.91
		For Work In Restricted Working Space, Add	*17.48*	
22 67 13 53-0089		Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 45 Degree Elbows *(22 67 13 53-0076)*		
22 67 13 53-0090	EA	1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 45 Degree Elbow	49.26	11.64
		For Work In Restricted Working Space, Add	*5.22*	
22 67 13 53-0091	EA	3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 45 Degree Elbow	63.86	15.41
		For Work In Restricted Working Space, Add	*6.95*	
22 67 13 53-0092	EA	1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 45 Degree Elbow	79.55	19.19
		For Work In Restricted Working Space, Add	*8.63*	
22 67 13 53-0093	EA	1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 45 Degree Elbow	117.10	30.61
		For Work In Restricted Working Space, Add	*13.76*	
22 67 13 53-0094	EA	2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 45 Degree Elbow	151.23	38.91
		For Work In Restricted Working Space, Add	*17.48*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 67 13 53-0095		**Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Tees** *(22 67 13 53-0076)*		
22 67 13 53-0096	EA	1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Tee	67.18	19.19
		For Work In Restricted Working Space, Add	*8.63*	
22 67 13 53-0097	EA	3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Tee	80.13	23.18
		For Work In Restricted Working Space, Add	*10.43*	
22 67 13 53-0098	EA	1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Tee	99.29	30.61
		For Work In Restricted Working Space, Add	*13.76*	
22 67 13 53-0099	EA	1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Tee	149.77	46.35
		For Work In Restricted Working Space, Add	*20.86*	
22 67 13 53-0100	EA	2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Tee	192.70	57.56
		For Work In Restricted Working Space, Add	*25.87*	
22 67 13 53-0101		**Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Tees** *(22 67 13 53-0076)*		
22 67 13 53-0102	EA	3/4" x 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Tee	79.57	21.56
		For Work In Restricted Working Space, Add	*9.70*	
22 67 13 53-0103	EA	1" x 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Tee	98.45	25.11
		For Work In Restricted Working Space, Add	*11.32*	
22 67 13 53-0104	EA	1" x 3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Tee	101.69	27.27
		For Work In Restricted Working Space, Add	*12.29*	
22 67 13 53-0105	EA	1-1/2" x 1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Tee	145.56	38.80
		For Work In Restricted Working Space, Add	*17.46*	
22 67 13 53-0106	EA	2" x 1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Tee	187.27	51.73
		For Work In Restricted Working Space, Add	*23.28*	
22 67 13 53-0107		**Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Inserts** *(22 67 13 53-0076)*		
22 67 13 53-0108	EA	3/4" x 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert	57.03	13.69
		For Work In Restricted Working Space, Add	*6.14*	
22 67 13 53-0109	EA	1" x 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert	64.57	15.84
		For Work In Restricted Working Space, Add	*7.11*	
22 67 13 53-0110	EA	1" x 3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert	67.81	18.00
		For Work In Restricted Working Space, Add	*8.09*	
22 67 13 53-0111	EA	1-1/2" x 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert	88.95	21.56
		For Work In Restricted Working Space, Add	*9.70*	
22 67 13 53-0112	EA	1-1/2" x 3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert	92.19	23.71
		For Work In Restricted Working Space, Add	*10.67*	
22 67 13 53-0113	EA	1-1/2" x 1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert	94.34	25.11
		For Work In Restricted Working Space, Add	*11.32*	
22 67 13 53-0114	EA	2" x 1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert	131.55	35.25
		For Work In Restricted Working Space, Add	*15.85*	
22 67 13 53-0115		**Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Male Thread Adapters** *(22 67 13 53-0076)*		
22 67 13 53-0116	EA	1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Male Thread Adapter	49.63	11.64
		For Work In Restricted Working Space, Add	*5.22*	
22 67 13 53-0117	EA	3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Male Thread Adapter	62.54	15.41
		For Work In Restricted Working Space, Add	*6.95*	
22 67 13 53-0118	EA	1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Male Thread Adapter	73.55	19.19
		For Work In Restricted Working Space, Add	*8.63*	
22 67 13 53-0119	EA	1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Male Thread Adapter	100.23	30.61
		For Work In Restricted Working Space, Add	*13.76*	
22 67 13 53-0120	EA	2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Male Thread Adapter	142.94	38.80
		For Work In Restricted Working Space, Add	*17.46*	
22 67 13 53-0121		**Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Female Thread Adapters** *(22 67 13 53-0076)*		
22 67 13 53-0122	EA	1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Female Thread Adapter	49.63	11.64
		For Work In Restricted Working Space, Add	*5.22*	
22 67 13 53-0123	EA	3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Female Thread Adapter	62.54	15.41
		For Work In Restricted Working Space, Add	*6.95*	
22 67 13 53-0124	EA	1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Female Thread Adapter	73.55	19.19
		For Work In Restricted Working Space, Add	*8.63*	
22 67 13 53-0125	EA	1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Female Thread Adapter	100.23	30.61
		For Work In Restricted Working Space, Add	*13.76*	
22 67 13 53-0126	EA	2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Female Thread Adapter	142.99	38.91
		For Work In Restricted Working Space, Add	*17.48*	
22 67 13 53-0127		**Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Couplings** *(22 67 13 53-0076)*		
22 67 13 53-0128	EA	1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Coupling	46.44	11.64
		For Work In Restricted Working Space, Add	*5.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 67 13 53-0129	EA	3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Coupling	58.80	15.41
		For Work In Restricted Working Space, Add	*6.95*	
22 67 13 53-0130	EA	1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Coupling	69.43	19.19
		For Work In Restricted Working Space, Add	*8.63*	
22 67 13 53-0131	EA	1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Coupling	99.48	30.61
		For Work In Restricted Working Space, Add	*13.76*	
22 67 13 53-0132	EA	2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Coupling	128.37	38.91
		For Work In Restricted Working Space, Add	*17.48*	
22 67 13 53-0133		Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Unions *(22 67 13 53-0076)*		
22 67 13 53-0134	EA	1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Union	158.09	
		For Work In Restricted Working Space, Add	*8.63*	
22 67 13 53-0135	EA	3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Union	182.85	23.18
		For Work In Restricted Working Space, Add	*10.43*	
22 67 13 53-0136	EA	1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Union	220.95	30.61
		For Work In Restricted Working Space, Add	*13.76*	
22 67 13 53-0137	EA	1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Union	363.83	46.35
		For Work In Restricted Working Space, Add	*20.86*	
22 67 13 53-0138	EA	2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Union	474.25	57.56
		For Work In Restricted Working Space, Add	*25.87*	
22 67 13 53-0139		Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Caps *(22 67 13 53-0076)*		
22 67 13 53-0140	EA	1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Cap	46.72	11.84
		For Work In Restricted Working Space, Add	*5.30*	
22 67 13 53-0141	EA	3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Cap	58.80	15.41
		For Work In Restricted Working Space, Add	*6.95*	
22 67 13 53-0142	EA	1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Cap	69.24	19.19
		For Work In Restricted Working Space, Add	*8.63*	
22 67 13 53-0143	EA	1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Cap	99.85	30.61
		For Work In Restricted Working Space, Add	*13.76*	
22 67 13 53-0144	EA	2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Cap	128.37	38.91
		For Work In Restricted Working Space, Add	*17.48*	
22 67 13 53-0145		Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 150 Lb. Flanges *(22 67 13 53-0076)*		
22 67 13 53-0146	EA	1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 150 Lb. Flange	90.98	19.40
		For Work In Restricted Working Space, Add	*8.63*	
22 67 13 53-0147	EA	3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 150 Lb. Flange	104.50	22.96
		For Work In Restricted Working Space, Add	*10.43*	
22 67 13 53-0148	EA	1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 150 Lb. Flange	125.72	30.93
		For Work In Restricted Working Space, Add	*13.76*	
22 67 13 53-0149	EA	1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 150 Lb. Flange	180.51	46.78
		For Work In Restricted Working Space, Add	*20.86*	
22 67 13 53-0150	EA	2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 150 Lb. Flange	224.94	57.56
		For Work In Restricted Working Space, Add	*25.87*	

END OF SECTION 22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 Heating, Ventilating, and Air-Conditioning (HVAC)

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise. HVAC equipment shall conform to California Title 24.

23 01 Operation and Maintenance of HVAC Systems *(23)*

23 01 01 Operation And Maintenance Of Miscellaneous Equipment *(23 01)*

23 01 01 00-0001 Miscellaneous Equipment *(23 01 01)*

23 01 01 00-0002	EA	5 HP, 33500 RFP, 230/460V, 60GPM@170' TDH Air Treatment End Suction Condensing Pumps, 1.25"x1.5"x7A (Aurora 222S Serial# 95-03850)	26,351.45
23 01 01 00-0003	EA	2 HP, 460/3 Ground water Pumps Assembly including Guide Rail (WEIL BSQ-200)	4,036.22
23 01 01 00-0004	EA	20 HP, 1800 Rpm, 8.75" Impeller, Standard Seal, Baldor, TEFC, 230/460/3/60 Motor, 0 GPM, 0FT TDH Heating Hot Water Pump 3 HP: 480V/3HP (Bell & Gossett 5-BC, BF Series 1510)	11,671.90
23 01 01 00-0005	EA	330 GPM, 10 HP, 1750 RPM 460/3/60 Motor, 25 FT Cable, Sewage Ejector Pump -10HP- 480V (WEIL 2519)	29,308.05
23 01 01 00-0006	EA	Steam Generator Including Electric Operated Control Valve (Cemline V160USG1230)	86,806.27
23 01 01 00-0007	EA	3" Steam Pressure Regulating Cash Valve (Tyco PT# SRG448F3) Note: Coil with 90:10 CuNi tubes, Pilot operated control valve, Control pilot monitor, Dual float and thermostatic traps, Incoming stream strainer, ASME Section 1 pressure relief valve to relieve the total BTU - brass, 2500 lb/hr of 5 PSIG steam when supplied with 3198 lb/hr of 50 PSIG steam	9,060.43
23 01 01 00-0008	EA	4" Flange x 6" Flange Steam Safety Relief Valve, Cast Iron Body, Stainless Steel Nozzle Set @ 90 PSIG (Kunkle Model #6252 KNM Set at 95 psi)	7,589.56
23 01 01 00-0009	EA	6" Flange x 8" Flange Steam Safety Relief Valve, Cast Iron Body, Stainless Steel Nozzle Set @ 10 PSIG. (Kunkle Model #6252KPQ Set at 10 psi) Note: Relief valve is non code as the set pressure is below 15 PSIG	14,860.92
23 01 01 00-0010	EA	330 GPM, 10 HP, 1750 RPM 460/3/60 Motot, 25 FT Cable, Storm Water Pump (WEIL 2519)	29,308.05
23 01 01 00-0011	EA	Chilled Water Pump (B&G Series 80 1-1/2 x 1-1/2 x 9-1/2)	9,067.31
23 01 01 00-0012	EA	Chilled Water System Expansion Tank (Xylem Series B-100LA)	3,976.95
23 01 01 00-0013	EA	Chilled Water System Buffer Tank (Cemline CWB 120)	11,228.34
23 01 01 00-0014	EA	TEMP/trac Boiler And Water Heater Electronic Controller (PVI Serial# 109483339 and 109483340 Repair Only)	24,697.48

23 01 10 Operation and Maintenance of Facility Fuel Systems *(23 01)*

23 01 10 91 Facility Fuel Systems Restoration *(23 01 10)*

23 01 10 91-0001 AQMD Permit Costs *(23 01 10 91)*

23 01 10 91-0002	EA	Processing Fee - 5 To 20 Million	10,067.39
23 01 10 91-0003	EA	Processing Fee - 5 To 20 Million, Duplicate (Same Model Number)	5,033.70
23 01 10 91-0004	EA	Permit To Operate - 5 To 20 Million, (Annual Fee)	1,993.60
23 01 10 91-0005	EA	Processing Fee - 2 To 5 Million	3,910.09
23 01 10 91-0006	EA	Processing Fee - 2 To 5 Million, Duplicate (Same Model Number)	1,955.04
23 01 10 91-0007	EA	Permit To Operate - 2 To 5 Million, (Annual Fee)	592.38

23 01 10 91-0008 Purge Gas Systems *(23 01 10 91)*

Note: Includes collection and refilling/bleeding of system. For natural gas, flammable gases and other gases that should not be released inside the building. See CSI section 23 01 60 71-0001 for refrigerant.

23 01 10 91-0009	EA	Up To 100', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	540.83
23 01 10 91-0010	EA	>100' To 250', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	772.63
23 01 10 91-0011	EA	>250' To 500', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	811.71
23 01 10 91-0012	EA	>500' To 1,000', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	895.82
23 01 10 91-0013	EA	>1,000' To 2,000', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	1,622.71
23 01 10 91-0014	EA	Up To 100', >1-/2" To 4" Diameter Pipe, Purge Gas Systems	727.76
23 01 10 91-0015	EA	>100' To 250', >1-/2" To 4" Diameter Pipe, Purge Gas Systems	1,046.66
23 01 10 91-0016	EA	>250' To 500', >1-/2" To 4" Diameter Pipe, Purge Gas Systems	1,110.15
23 01 10 91-0017	EA	>500' To 1,000', >1-/2" To 4" Diameter Pipe, Purge Gas Systems	1,461.56
23 01 10 91-0018	EA	>1,000' To 2,000', >1-/2" To 4" Diameter Pipe, Purge Gas Systems	2,266.48
23 01 10 91-0019	EA	Up To 100', >4" To 10" Diameter Pipe, Purge Gas Systems	866.78
23 01 10 91-0020	EA	>100' To 250', >4" To 10" Diameter Pipe, Purge Gas Systems	1,281.48
23 01 10 91-0021	EA	>250' To 500', >4" To 10" Diameter Pipe, Purge Gas Systems	2,948.94
23 01 10 91-0022	EA	>500' To 1,000', >4" To 10" Diameter Pipe, Purge Gas Systems	4,618.29
23 01 10 91-0023	EA	>1,000' To 2,000', >4" To 10" Diameter Pipe, Purge Gas Systems	8,685.82

23 01 20 Operation and Maintenance of HVAC Piping and Pumps *(23 01)*

23 01 20 91 HVAC Piping and Pumps Restoration *(23 01 20)*

23 01 20 91-0001 Lock Out/Tag Out System *(23 01 20 91)*

23 01 20 91-0002	EA	Up To 1", Lock Out/Tag Out Valve Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).	29.26
23 01 20 91-0003	EA	>1" To 3", Lock Out/Tag Out Valve Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).	35.12
23 01 20 91-0004	EA	>3" To 6", Lock Out/Tag Out Valve Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).	40.97
23 01 20 91-0005	EA	>6" To 10", Lock Out/Tag Out Valve Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).	46.82
23 01 20 91-0006	EA	>10" To 14", Lock Out/Tag Out Valve Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).	58.53

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 20 91-0007	EA	Lock Out Padlock	11.71	
23 01 20 91-0008	EA	Lock Out Tags	4.90	
23 01 20 91-0009		**Freeze Pipe Using CO2 Kit** *(23 01 20 91)* Note: For use on chilled water or cold water piping systems. Excludes cutting existing pipe, and installation of valve or fittings.		
23 01 20 91-0010	EA	Up To 2" Freeze Pipe Using CO2 Kit	383.64	
23 01 20 91-0011		**Pipe Freezing** *(23 01 20 91)* Note: For use on any water piping systems. Excludes excavation, cutting existing pipe, and installation of valve or fittings.		
23 01 20 91-0012	EA	Up To 1" Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	707.12	
23 01 20 91-0013	EA	Up To 1" Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	377.83	
23 01 20 91-0014	EA	>1" To 1-1/2" Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	854.77	
23 01 20 91-0015	EA	>1" To 1-1/2" Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	435.90	
23 01 20 91-0016	EA	>1-1/2" To 2" Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	1,173.21	
23 01 20 91-0017	EA	>1-1/2" To 2" Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	494.15	
23 01 20 91-0018	EA	>2" To 3" Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	1,337.93	
23 01 20 91-0019	EA	>2" To 3" Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	581.23	
23 01 20 91-0020	EA	>3" To 4" Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	1,954.05	
23 01 20 91-0021	EA	>3" To 4" Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	670.99	
23 01 20 91-0022	EA	>4" To 6" Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	4,007.65	
23 01 20 91-0023	EA	>4" To 6" Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	880.18	
23 01 20 91-0024	EA	>6" To 8" Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	5,331.59	
23 01 20 91-0025	EA	>6" To 8" Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	1,292.16	
23 01 20 91-0026	EA	>8" To 10" Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	7,351.83	
23 01 20 91-0027	EA	>8" To 10" Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	1,759.76	
23 01 20 91-0028	EA	>10" To 12" Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	9,461.32	
23 01 20 91-0029	EA	>10" To 12" Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	2,282.48	
23 01 20 91-0030		**Water/Chlorine Pipe Disinfection/Flush/Testing** *(23 01 20 91)* Note: For existing piping when required. Water/chlorine solution per specification entitled "Water Distribution".		
23 01 20 91-0031	LF	Up To 1", Water/Chlorine Pipe Disinfection/Flush/Testing	1.87	
		For >250 To 500, Deduct	*-0.16*	
		For >500 To 2,000, Deduct	*-0.35*	
		For >2,000, Deduct	*-0.53*	
23 01 20 91-0032	LF	>1" To 2", Water/Chlorine Pipe Disinfection/Flush/Testing	2.53	
		For >250 To 500, Deduct	*-0.22*	
		For >500 To 2,000, Deduct	*-0.46*	
		For >2,000, Deduct	*-0.71*	
23 01 20 91-0033	LF	>2" To 3", Water/Chlorine Pipe Disinfection/Flush/Testing	3.82	
		For >250 To 500, Deduct	*-0.33*	
		For >500 To 2,000, Deduct	*-0.69*	
		For >2,000, Deduct	*-1.06*	
23 01 20 91-0034	LF	4", Water/Chlorine Pipe Disinfection/Flush/Testing	5.18	
		For >250 To 500, Deduct	*-0.44*	
		For >500 To 2,000, Deduct	*-0.93*	
		For >2,000, Deduct	*-1.41*	
23 01 20 91-0035	LF	6", Water/Chlorine Pipe Disinfection/Flush/Testing	6.29	
		For >250 To 500, Deduct	*-0.53*	
		For >500 To 2,000, Deduct	*-1.11*	
		For >2,000, Deduct	*-1.70*	
23 01 20 91-0036	LF	8", Water/Chlorine Pipe Disinfection/Flush/Testing	7.91	
		For >250 To 500, Deduct	*-0.66*	
		For >500 To 2,000, Deduct	*-1.39*	
		For >2,000, Deduct	*-2.12*	
23 01 20 91-0037	LF	10", Water/Chlorine Pipe Disinfection/Flush/Testing	10.49	
		For >250 To 500, Deduct	*-0.88*	
		For >500 To 2,000, Deduct	*-1.85*	
		For >2,000, Deduct	*-2.83*	
23 01 20 91-0038	LF	12", Water/Chlorine Pipe Disinfection/Flush/Testing	12.58	
		For >250 To 500, Deduct	*-1.05*	
		For >500 To 2,000, Deduct	*-2.22*	
		For >2,000, Deduct	*-3.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 01 20 91-0039 Shut Down Existing Piping System *(23 01 20 91)*

23 01 20 91-0040	EA	Shut Down Existing Interior Piping System Note: Includes lock out/tag out and average line tracing. Use when valves are greater than 25' from work. When the shut-off valves for multiple lines are located with a 10' radius, the quantity used shall be one.	246.50	

23 01 20 91-0041 Purge Liquid Systems *(23 01 20 91)*

Note: Includes collection of liquid, refilling with liquid and bleeding of air from system.

23 01 20 91-0042	EA	Up To 50', Up To 3/4" Diameter Pipe, Purge Liquid System	185.03	
23 01 20 91-0043	EA	>50' To 100', Up To 3/4" Diameter Pipe, Purge Liquid System	231.28	
23 01 20 91-0044	EA	>100 To 250', Up To 3/4" Diameter Pipe, Purge Liquid System	330.11	
23 01 20 91-0045	EA	>250 To 500', Up To 3/4" Diameter Pipe, Purge Liquid System	395.57	
23 01 20 91-0046	EA	>500 To 1,000', Up To 3/4" Diameter Pipe, Purge Liquid System	494.46	
23 01 20 91-0047	EA	>1,000 To 2,000', Up To 3/4" Diameter Pipe, Purge Liquid System	642.80	
23 01 20 91-0048	LF	>2,000', Up To 3/4" Diameter Pipe, Purge Liquid System	0.32	
23 01 20 91-0049	EA	Up To 100', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	385.31	
23 01 20 91-0050	EA	>100 To 250', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	550.29	
23 01 20 91-0051	EA	>250 To 500', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	659.36	
23 01 20 91-0052	EA	>500 To 1,000', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	824.20	
23 01 20 91-0053	EA	>1,000 To 2,000', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	1,071.46	
23 01 20 91-0054	LF	>2,000', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	0.53	
23 01 20 91-0055	EA	Up To 100', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	539.43	
23 01 20 91-0056	EA	>100 To 250', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	770.42	
23 01 20 91-0057	EA	>250 To 500', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	923.10	
23 01 20 91-0058	EA	>500 To 1,000', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	1,153.87	
23 01 20 91-0059	EA	>1,000 To 2,000', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	1,500.04	
23 01 20 91-0060	LF	>2,000', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	0.75	
23 01 20 91-0061	EA	Up To 100', >3" To 6" Diameter Pipe, Purge Liquid System	741.71	
23 01 20 91-0062	EA	>100 To 250', >3" To 6" Diameter Pipe, Purge Liquid System	1,059.32	
23 01 20 91-0063	EA	>250 To 500', >3" To 6" Diameter Pipe, Purge Liquid System	1,124.60	
23 01 20 91-0064	EA	>500 To 1,000', >3" To 6" Diameter Pipe, Purge Liquid System	1,405.75	
23 01 20 91-0065	EA	>1,000 To 2,000', >3" To 6" Diameter Pipe, Purge Liquid System	1,827.47	
23 01 20 91-0066	LF	>2,000', >3" To 6" Diameter Pipe, Purge Liquid System	0.92	
23 01 20 91-0067	EA	Up To 100', >6" To 10" Diameter Pipe, Purge Liquid System	1,001.32	
23 01 20 91-0068	EA	>100 To 250', >6" To 10" Diameter Pipe, Purge Liquid System	1,430.07	
23 01 20 91-0069	EA	>250 To 500', >6" To 10" Diameter Pipe, Purge Liquid System	1,518.21	
23 01 20 91-0070	EA	>500 To 1,000', >6" To 10" Diameter Pipe, Purge Liquid System	1,897.75	
23 01 20 91-0071	EA	>1,000 To 2,000', >6" To 10" Diameter Pipe, Purge Liquid System	2,467.09	
23 01 20 91-0072	LF	>2,000', >6" To 10" Diameter Pipe, Purge Liquid System	1.23	

23 01 20 91-0073 Add-A-Valve Emergency Shut Off Device *(23 01 20 91)*

23 01 20 91-0074	EA	1/2" Add-A-Valve Emergency Shut Off Device (Jomar 800-103ADD)	401.30	
23 01 20 91-0075	EA	3/4" Add-A-Valve Emergency Shut Off Device (Jomar 800-104ADD)	505.70	
23 01 20 91-0076	EA	1" Add-A-Valve Emergency Shut Off Device (Jomar 800-105ADD)	702.62	
23 01 20 91-0077	EA	1-1/4" Add-A-Valve Emergency Shut Off Device (Jomar 800-106ADD)	1,078.84	
23 01 20 91-0078	EA	1-1/2" Add-A-Valve Emergency Shut Off Device (Jomar 800-107ADD)	1,333.25	
23 01 20 91-0079	EA	2" Add-A-Valve Emergency Shut Off Device (Jomar 800-108ADD)	2,018.55	

23 01 30 Operation and Maintenance of HVAC Air Distribution *(23 01)*

23 01 30 51 HVAC Air-Distribution System Cleaning *(23 01 30)*

23 01 30 51-0001 Cleaning Of Ductwork And HVAC Equipment *(23 01 30 51)*

23 01 30 51-0002	LF	Up To 2 SF Cross Section, Clean Interior Supply/Return Ductwork Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	3.95	
		For Exhaust Ductwork, Add	*0.99*	
23 01 30 51-0003	LF	>2 SF To 4 SF Cross Section, Clean Interior Supply/Return Ductwork Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	4.95	
		For Exhaust Ductwork, Add	*1.24*	
23 01 30 51-0004	LF	>4 SF To 8 SF Cross Section, Clean Interior Supply/Return Ductwork Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	6.64	
		For Exhaust Ductwork, Add	*1.66*	
23 01 30 51-0005	LF	>8 SF Cross Section, Clean Interior Supply/Return Ductwork Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	9.43	
		For Exhaust Ductwork, Add	*2.36*	
23 01 30 51-0006	SF	Clean Exposed Exterior Of Metal Supply/Return Ductwork Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	0.57	
23 01 30 51-0007	LF	Clean Supply/Return Shafts	11.71	
23 01 30 51-0008	EA	Clean Floor Transition	9.43	
23 01 30 51-0009	SF	Clean Duct Dampers	13.29	
23 01 30 51-0010	SF	Clean Duct Fire Dampers	26.58	
23 01 30 51-0011	SF	Clean Louver	10.64	
23 01 30 51-0012	EA	Clean Turning Vane Set	31.91	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 30 51-0013	EA	Clean Grille/Diffuser/Register Note: Includes removal and reinstallation.	31.91	
23 01 30 51-0014	LF	Clean Linear Diffuser Note: Includes removal and reinstallation.	7.98	
23 01 30 51-0015	EA	Cut Access For Cleaning Duct And Install Duct Insulated Access Doors	108.88	
		For Stainless Steel, Add	*74.44*	
23 01 30 51-0016	EA	Clean Variable Air Volume (VAV) Unit	95.71	
23 01 30 51-0017	EA	Clean Fan Powered Induction Unit (PIU) Unit	127.61	
23 01 30 51-0018	EA	Clean Fan Coil Unit (FCU)	127.61	
23 01 30 51-0019	EA	Clean Packaged Terminal Air Conditioning Unit	127.61	
23 01 30 51-0020	EA	Clean Supply Or Return Fan	255.22	
23 01 30 51-0021	EA	Clean Exhaust Fan	223.33	
23 01 30 51-0022	EA	Clean Duct Coil	191.42	
23 01 30 51-0023	SF	Clean Air Handling Unit Interior Housing With High Efficiency Particulate Air (HEPA) Vacuum Note: Excluding fan and coils.	6.38	
23 01 30 51-0024	EA	Clean Air Handling Unit Fan	255.22	
23 01 30 51-0025	EA	Clean Air Handling Unit Coil	382.84	
23 01 30 51-0026	SF	Clean Equipment Surfaces, Rust Reform And Prime	3.50	
23 01 30 51-0027	SF	Clean Interior Equipment Surfaces, Rust Reform And Prime	4.13	
23 01 30 51-0028	SF	High Efficiency Particulate Air (HEPA) Vacuuming Of Walls, Ceilings And Floors In Mechanical Rooms	0.75	
23 01 30 51-0029	EA	Cleaning Of Ductwork Minimum Set-up Charge Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	918.65	
23 01 30 51-0030	SF	Apply Anti-microbial Agent To Ductwork And Surfaces After Cleaning	0.58	

23 01 30 61 HVAC Air-Distribution Duct Repair *(23 01 30)*

23 01 30 61-0001 Repair And Seal Ductwork *(23 01 30 61)*

Note: Includes removal of existing insulation, repair/seal ductwork with Duct Sealer and reinstallation of insulation. Excludes new ductwork.

23 01 30 61-0002	SF	Repair And Sealing Of Ductwork Note: Clean, apply sealant and tape	2.38	

23 01 30 61-0003 Temporary Duct Seal To Restrict Airflow *(23 01 30 61)*

Note: Includes inserting temporary seal in duct at access door, filling with air and removal after use. Excludes installing new acess door in ductwork or reworking ductwork. See CSI section 23 01 30 61-0022 for rework ductwork, 23 33 33 00-0000 for access doors.

23 01 30 61-0004	EA	4" Diameter, Temporary Re-usable Inflatable Duct Plug Note: Includes removal after use.	33.89	
23 01 30 61-0005	EA	6" Diameter, Temporary Re-usable Inflatable Duct Plug Note: Includes removal after use.	37.27	
23 01 30 61-0006	EA	8" Diameter, Temporary Re-usable Inflatable Duct Plug Note: Includes removal after use.	42.35	
23 01 30 61-0007	EA	10" Diameter, Temporary Re-usable Inflatable Duct Plug Note: Includes removal after use.	46.35	
23 01 30 61-0008	EA	12" Diameter, Temporary Re-usable Inflatable Duct Plug Note: Includes removal after use.	50.90	
23 01 30 61-0009	EA	16" Diameter, Temporary Re-usable Inflatable Duct Plug Note: Includes removal after use.	56.82	
23 01 30 61-0010	EA	20" Diameter, Temporary Re-usable Inflatable Duct Plug Note: Includes removal after use.	62.93	
23 01 30 61-0011	EA	24" Diameter, Temporary Re-usable Inflatable Duct Plug Note: Includes removal after use.	68.66	
23 01 30 61-0012	EA	28" Diameter, Temporary Re-usable Inflatable Duct Plug Note: Includes removal after use.	72.44	
23 01 30 61-0013	EA	30" Diameter, Temporary Re-usable Inflatable Duct Plug Note: Includes removal after use.	78.30	
23 01 30 61-0014	EA	33" Diameter, Temporary Re-usable Inflatable Duct Plug Note: Includes removal after use.	82.89	
23 01 30 61-0015	EA	36" Diameter, Temporary Re-usable Inflatable Duct Plug Note: Includes removal after use.	88.54	
23 01 30 61-0016	EA	39" Diameter, Temporary Re-usable Inflatable Duct Plug Note: Includes removal after use.	98.65	
23 01 30 61-0017	EA	42" Diameter, Temporary Re-usable Inflatable Duct Plug Note: Includes removal after use.	107.44	
23 01 30 61-0018	EA	45" Diameter, Temporary Re-usable Inflatable Duct Plug Note: Includes removal after use.	118.02	
23 01 30 61-0019	EA	48" Diameter, Temporary Re-usable Inflatable Duct Plug Note: Includes removal after use.	127.99	
23 01 30 61-0020	EA	54" Diameter, Temporary Re-usable Inflatable Duct Plug Note: Includes removal after use.	160.45	
23 01 30 61-0021	EA	60" Diameter, Temporary Re-usable Inflatable Duct Plug Note: Includes removal after use.	198.66	

23 01 30 61-0022 Rework Sheet Metal Ductwork *(23 01 30 61)*

Note: Includes removal of existing ductwork and reinstallation of ductwork. Excludes new ductwork.

23 01 30 61-0023	LF	Up To 1 SF Cross Section, Rework Existing Ductwork	33.76	
23 01 30 61-0024	LF	>1 To 2 SF Cross Section, Rework Existing Ductwork	65.82	
23 01 30 61-0025	LF	>2 To 4 SF Cross Section, Rework Existing Ductwork	86.97	
23 01 30 61-0026	LF	>4 To 6 SF Cross Section, Rework Existing Ductwork	108.91	
23 01 30 61-0027	LF	>6 To 8 SF Cross Section, Rework Existing Ductwork	151.90	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 30 61-0028	LF	>8 To 10 SF Cross Section, Rework Existing Ductwork	177.21	
23 01 30 61-0029	LF	>10 To 12 SF Cross Section, Rework Existing Ductwork	202.53	
23 01 30 61-0030	LF	>12 To 14 SF Cross Section, Rework Existing Ductwork	227.85	

23 01 50 Operation and Maintenance of Central Heating Equipment *(23 01)*

23 01 50 61 Central Heating Equipment Repair *(23 01 50)*

23 01 50 61-0001 Boiler Repairs *(23 01 50 61)*

23 01 50 61-0002 Setup And Maintenance *(23 01 50 61-0001)*

23 01 50 61-0003	EA	Set-up Charge For Boiler Fire Side Maintenance Note: Includes removing/relocating doors, plates, portals, and burners required to access fireside.	2,603.32
23 01 50 61-0004	EA	Close-up Charge For Boiler Fire Side Maintenance Note: Includes replacement of doors, plates, portals, burners, adhesive, rope, wool, and seals.	2,847.45
		For Burner Seals, Add	*660.33*
		Note: Used when burner must be removed from door for maintenance.	
23 01 50 61-0005	EA	Setup Charge For Boiler Water Side Maintenance Note: Includes closing valves, draining, and positioning equipment needed for tube replacement.	3,471.11
23 01 50 61-0006	EA	Up To 100 HP, Hydrostatic Test - Boiler Maintenance Note: Includes close-up charge for water side maintenance, blanking off supply, return, and relief valves for test and reconnection after test.	1,735.55
23 01 50 61-0007	EA	>100 HP, Hydrostatic Test - Boiler Maintenance Note: Includes close-up charge for water side maintenance, blanking off supply, return, and relief valves for test and reconnection after test.	3,471.11
23 01 50 61-0008	EA	Removal And Replacement Of Handhole	108.47
23 01 50 61-0009	EA	Removal And Replacement Of Manhole	325.42
23 01 50 61-0010	SF	Sheet Metal Jacket Patch	12.65

23 01 50 61-0011 Boiler Tube Replacement *(23 01 50 61-0001)*

23 01 50 61-0012	EA	Removal Of Up To 2" Boiler Tube	260.32
23 01 50 61-0013	EA	Removal Of >2" To 3" Boiler Tube	325.43
23 01 50 61-0014	EA	Removal Of >3" To 4" Boiler Tube	455.57
23 01 50 61-0015	LF	Place 1-1/2" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	14.22
23 01 50 61-0016	LF	Place 2" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	16.70
23 01 50 61-0017	LF	Place 2-1/2" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	19.21
23 01 50 61-0018	LF	Place 3" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	28.53
23 01 50 61-0019	LF	Place 3-1/2" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	33.71
23 01 50 61-0020	LF	Place 4" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	43.83
23 01 50 61-0021	EA	1-1/2" Rolled Boiler Tube Termination (2 Per New Tube)	32.54
23 01 50 61-0022	EA	2" Rolled Boiler Tube Termination (2 Per New Tube)	48.81
23 01 50 61-0023	EA	2-1/2" Rolled Boiler Tube Termination (2 Per New Tube)	65.09
23 01 50 61-0024	EA	3" Rolled Boiler Tube Termination (2 Per New Tube)	81.36
23 01 50 61-0025	EA	3-1/2" Rolled Boiler Tube Termination (2 Per New Tube)	97.63
23 01 50 61-0026	EA	4" Rolled Boiler Tube Termination (2 Per New Tube)	113.90
23 01 50 61-0027	EA	1-1/2" Welded Boiler Tube Termination (2 Per New Tube)	97.63
23 01 50 61-0028	EA	2" Welded Boiler Tube Termination (2 Per New Tube)	130.17
23 01 50 61-0029	EA	2-1/2" Welded Boiler Tube Termination (2 Per New Tube)	162.70
23 01 50 61-0030	EA	3" Welded Boiler Tube Termination (2 Per New Tube)	195.25
23 01 50 61-0031	EA	3-1/2" Welded Boiler Tube Termination (2 Per New Tube)	227.79
23 01 50 61-0032	EA	4" Welded Boiler Tube Termination (2 Per New Tube)	260.32
23 01 50 61-0033	EA	Plug Boiler Tube Hole Where Boiler Tube Is Not Replaced	402.79

23 01 50 61-0034 Cast Iron Boiler Section Replacement *(23 01 50 61-0001)*

23 01 50 61-0035	EA	Removal And Replacement Of Front Section Of Weil McLain Model 80 Cast Iron Boiler	2,886.22
23 01 50 61-0036	EA	Removal And Replacement Of Rear Section Of Weil McLain Model 80 Cast Iron Boiler	1,987.35
23 01 50 61-0037	EA	Removal And Replacement Of Inside Section Of Weil McLain Model 80 Cast Iron Boiler	2,494.37
23 01 50 61-0038	EA	Removal And Replacement Of Front Section Of Weil McLain Model 88 Cast Iron Boiler	5,315.17
23 01 50 61-0039	EA	Removal And Replacement Of Rear Section Of Weil McLain Model 88 Cast Iron Boiler	3,921.77
23 01 50 61-0040	EA	Removal And Replacement Of Inside Section Of Weil McLain Model 88 Cast Iron Boiler	4,565.68
23 01 50 61-0041	EA	Removal And Replacement Of Front Section Of Weil McLain Model 94 Cast Iron Boiler	8,623.63
23 01 50 61-0042	EA	Removal And Replacement Of Rear Section Of Weil McLain Model 94 Cast Iron Boiler	6,713.75
23 01 50 61-0043	EA	Removal And Replacement Of Inside Section Of Weil McLain Model 94 Cast Iron Boiler	7,199.59

23 01 50 61-0044 Cast Iron Grate Replacement *(23 01 50 61-0001)*

23 01 50 61-0045	SF	Removal And Replacement Of Cast Iron Boiler Grates, Prepared From Casting Mold Note: Includes support, linkages and removal of existing.	148.54
23 01 50 61-0046	EA	Prepare Cast Iron Boiler Grate Mold Note: Includes preparing unique size mold for grate casting. Mold to be used for multiple castings.	2,233.41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 50 61-0047		**Replacement Or Conversion Of Boiler Burners** *(23 01 50 61-0001)*		
		Note: Includes mounting plate, mechanical and electrical labor for installation of burners.		
23 01 50 61-0048	EA	700 MBH Max Input Burner With 2" Boiler Connection, Screwed	10,943.13	1,149.01
23 01 50 61-0049	EA	2,100 MBH Max Input Burner With 2-1/2" Boiler Connection, Screwed	15,828.44	1,422.56
23 01 50 61-0050	EA	2,800 MBH Max Input Burner With 3" Boiler Connection, Screwed	18,689.21	1,723.39
23 01 50 61-0051	EA	3,800 MBH Max Input Burner With 4" Boiler Connection, Flanged	22,075.19	1,854.78
23 01 50 61-0052		**Video Inspection Of Boiler Tubing** *(23 01 50 61-0001)*		
23 01 50 61-0053	EA	Initial Set Up For Boiler Tubing Video Camera Inspection	497.50	
23 01 50 61-0054	LF	Boiler Tubing Inspection	0.60	
23 01 50 61-0055		**Boiler And Chiller Water Treatment** *(23 01 50 61)*		
		Note: 3 LB chemical per 50 gallon system water.		
23 01 50 61-0056	LB	Boil Out Boiler And System With Caustic Soda	1.74	
		Note: Includes disposal after treatment.		
23 01 50 61-0057	LB	Boil Out Boiler And System With Trisodium Phosphate	2.62	
		Note: Includes disposal after treatment.		
23 01 50 61-0058	GAL	Corrosion Resistant Chemical Treatment, Based On Gallons Of Chemical Required	163.43	

23 01 60 Operation and Maintenance of Central Cooling Equipment *(23 01)*

23 01 60 61 Central Cooling Equipment Repair *(23 01 60)*

23 01 60 61-0001		**Cooling Tower Repairs** *(23 01 60 61)*		
23 01 60 61-0002	EA	Replace 6' Diameter 4 Blade, Cooling Tower Fan Blade	3,603.98	
23 01 60 61-0003	EA	Replace 6' Diameter 5 Blade, Cooling Tower Fan Blade	4,253.21	
23 01 60 61-0004	EA	Replace 6' Diameter 6 Blade, Cooling Tower Fan Blade	4,897.68	
23 01 60 61-0005	EA	Replace 6' Diameter 7 Blade, Cooling Tower Fan Blade	5,790.97	
23 01 60 61-0006	EA	Replace 6' Diameter 8 Blade, Cooling Tower Fan Blade	6,385.70	
23 01 60 61-0007	EA	Replace 8' Diameter 4 Blade, Cooling Tower Fan Blade	3,975.42	
23 01 60 61-0008	EA	Replace 8' Diameter 5 Blade, Cooling Tower Fan Blade	4,430.33	
23 01 60 61-0009	EA	Replace 8' Diameter 6 Blade, Cooling Tower Fan Blade	5,212.25	
23 01 60 61-0010	EA	Replace 8' Diameter 7 Blade, Cooling Tower Fan Blade	5,946.77	
23 01 60 61-0011	EA	Replace 8' Diameter 8 Blade, Cooling Tower Fan Blade	6,555.73	
23 01 60 61-0012	EA	Replace Individual Cooling Tower Fan Blade For 6' Diameter Fan	989.84	
23 01 60 61-0013	EA	Replace Individual Cooling Tower Fan Blade For 8' Diameter Fan	1,026.69	
23 01 60 61-0014	EA	Replace Individual Cooling Tower Fan Blade For 10' Diameter Fan	1,096.73	
23 01 60 61-0015	EA	Replace Individual Cooling Tower Fan Blade For 12' Diameter Fan	1,278.11	
23 01 60 61-0016	EA	Replace Individual Cooling Tower Fan Blade For 14' Diameter Fan	1,585.06	
23 01 60 61-0017	EA	Replace Individual Cooling Tower Fan Blade For 16' Diameter Fan	2,145.56	
23 01 60 61-0018	EA	Replace Individual Cooling Tower Fan Blade For 18' Diameter Fan	2,255.86	
23 01 60 61-0019	EA	Replace Individual Cooling Tower Fan Blade For 20' Diameter Fan	2,421.32	
23 01 60 61-0020	EA	Replace Counterflow Nozzle (1/2" - 2" NPT Thread)	41.34	
23 01 60 61-0021	EA	Replace 6' Polyvinyl Chloride (PVC) Splash Fill	24.51	

23 01 60 71 Refrigerant Recovery/Recycling *(23 01 60)*

23 01 60 71-0001		**Refrigerant Recovery, Reclaim And Recycling** *(23 01 60 71)*		
		See CSI section 23 01 60 71-0005 for flushing pipe with nitrogen and vacuum removal of inert gases.		
23 01 60 71-0002	LB	Recovery Of Refrigerant	12.38	
23 01 60 71-0003	LB	Recovery And Recharging Of Refrigerant	23.23	
		Note: Includes cleaning refrigerant gas prior to recharging.		
23 01 60 71-0004	LB	Recharging Of Refrigerant	10.43	
		Note: Excludes refrigerant filling at time of installation of HVAC or Condenser units. See CSI section 23 23 23 00-0000 for refrigerants.		
23 01 60 71-0005		**Flush And Cleaning Of Refrigerant Piping Systems With Nitrogen** *(23 01 60 71)*		
		Note: Includes vacuum of nitrogen from pipe.		
23 01 60 71-0006	EA	Up To 100', Up To 5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	126.61	
23 01 60 71-0007	EA	>100 To 250', Up To 5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	162.02	
23 01 60 71-0008	EA	>250 To 500', Up To 5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	203.95	
23 01 60 71-0009	EA	>500 To 1,000', Up To 5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	262.08	
23 01 60 71-0010	EA	>1,000 To 2,000', Up To 5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	347.62	
23 01 60 71-0011	LF	>2,000', Up To 5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	0.20	
23 01 60 71-0012	EA	Up To 100', >5/8" To 1-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	173.36	
23 01 60 71-0013	EA	>100 To 250', >5/8" To 1-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	222.02	
23 01 60 71-0014	EA	>250 To 500', >5/8" To 1-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	279.47	
23 01 60 71-0015	EA	>500 To 1,000', >5/8" To 1-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	359.63	
23 01 60 71-0016	EA	>1,000 To 2,000', >5/8" To 1-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	477.71	
23 01 60 71-0017	LF	>2,000', >5/8" To 1-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	0.27	
23 01 60 71-0018	EA	Up To 100', >1-1/8" To 1-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	220.37	
23 01 60 71-0019	EA	>100 To 250', >1-1/8" To 1-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	282.46	
23 01 60 71-0020	EA	>250 To 500', >1-1/8" To 1-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	356.00	
23 01 60 71-0021	EA	>500 To 1,000', >1-1/8" To 1-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	458.73	
23 01 60 71-0022	EA	>1,000 To 2,000', >1-1/8" To 1-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	611.80	
23 01 60 71-0023	LF	>2,000', >1-1/8" To 1-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	0.35	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 60 71-0024	EA	Up To 100', >1-5/8" To 2-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	252.69	
23 01 60 71-0025	EA	>100 To 250', >1-5/8" To 2-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	327.34	
23 01 60 71-0026	EA	>250 To 500', >1-5/8" To 2-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	415.64	
23 01 60 71-0027	EA	>500 To 1,000', >1-5/8" To 2-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	540.23	
23 01 60 71-0028	EA	>1,000 To 2,000', >1-5/8" To 2-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	735.69	
23 01 60 71-0029	LF	>2,000', >1-5/8" To 2-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	0.40	
23 01 60 71-0030	EA	Up To 100', >2-1/8" To 2-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	300.30	
23 01 60 71-0031	EA	>100 To 250', >2-1/8" To 2-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	389.41	
23 01 60 71-0032	EA	>250 To 500', >2-1/8" To 2-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	540.38	
23 01 60 71-0033	EA	>500 To 1,000', >2-1/8" To 2-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	643.68	
23 01 60 71-0034	EA	>1,000 To 2,000', >2-1/8" To 2-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	878.45	
23 01 60 71-0035	LF	>2,000', >2-1/8" To 2-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	0.47	
23 01 60 71-0036	EA	Up To 100', >2-5/8" To 3-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	342.51	
23 01 60 71-0037	EA	>100 To 250', >2-5/8" To 3-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	444.46	
23 01 60 71-0038	EA	>250 To 500', >2-5/8" To 3-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	565.28	
23 01 60 71-0039	EA	>500 To 1,000', >2-5/8" To 3-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	736.25	
23 01 60 71-0040	EA	>1,000 To 2,000', >2-5/8" To 3-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	1,007.03	
23 01 60 71-0041	LF	>2,000', >2-5/8" To 3-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	0.55	

23 05 Common Work Results for HVAC *(23)*

23 05 13 Common Motor Requirements for HVAC Equipment *(23 05)*

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor.

23 05 13 00-0001 Premium Efficient, Motors *(23 05 13)*

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. Excludes installation. See CSI section 23 05 13 00-0216 for installation.

23 05 13 00-0002 Premium Efficient, Open Drip Proof Motors *(23 05 13 00-0001)*

Note: NEMA premium efficiency, open drip proof, three phase AC motors.

23 05 13 00-0003 Steel Frame, Premium Efficient, Open Drip Proof Motors *(23 05 13 00-0002)*

23 05 13 00-0004	EA	1 HP, 3,600 RPM, 56 NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	801.49	
23 05 13 00-0005	EA	1 HP, 1,800 RPM, 143T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	907.55	
23 05 13 00-0006	EA	1 HP, 1,200 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,064.02	
23 05 13 00-0007	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	893.64	
23 05 13 00-0008	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	949.28	
23 05 13 00-0009	EA	1-1/2 HP, 1,200 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,244.84	
23 05 13 00-0010	EA	2 HP, 3,600 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,050.11	
23 05 13 00-0011	EA	2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,017.08	
23 05 13 00-0012	EA	2 HP, 1,200 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,272.66	
23 05 13 00-0013	EA	3 HP, 3,600 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,064.02	
23 05 13 00-0014	EA	3 HP, 1,800 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,097.06	
23 05 13 00-0015	EA	3 HP, 1,200 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,620.38	
23 05 13 00-0016	EA	5 HP, 3,600 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,161.38	
23 05 13 00-0017	EA	5 HP, 1,800 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,201.37	
23 05 13 00-0018	EA	5 HP, 1,200 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,122.83	
23 05 13 00-0019	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,842.92	
23 05 13 00-0020	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,766.42	
23 05 13 00-0021	EA	7-1/2 HP, 1,200 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,545.31	
23 05 13 00-0022	EA	10 HP, 3,600 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,107.18	
23 05 13 00-0023	EA	10 HP, 1,800 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,138.48	
23 05 13 00-0024	EA	10 HP, 1,200 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,312.03	
23 05 13 00-0025	EA	15 HP, 3,600 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,993.87	
23 05 13 00-0026	EA	15 HP, 1,800 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,028.64	
23 05 13 00-0027	EA	15 HP, 1,200 RPM, 284T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,466.46	
23 05 13 00-0028	EA	20 HP, 3,600 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,517.19	
23 05 13 00-0029	EA	20 HP, 1,800 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,802.32	
23 05 13 00-0030	EA	20 HP, 1,200 RPM, 286T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	5,436.60	
23 05 13 00-0031	EA	25 HP, 3,600 RPM, 284TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,223.06	
23 05 13 00-0032	EA	25 HP, 1,800 RPM, 284T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,635.11	
23 05 13 00-0033	EA	25 HP, 1,200 RPM, 324T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	6,566.69	
23 05 13 00-0034	EA	30 HP, 3,600 RPM, 286TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,982.83	
23 05 13 00-0035	EA	30 HP, 1,800 RPM, 286T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	5,068.02	
23 05 13 00-0036	EA	30 HP, 1,200 RPM, 326T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	6,850.08	
23 05 13 00-0037	EA	40 HP, 3,600 RPM, 324TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	6,420.65	
23 05 13 00-0038	EA	40 HP, 1,800 RPM, 324T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	6,611.90	
23 05 13 00-0039	EA	50 HP, 3,600 RPM, 326TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	6,992.65	
23 05 13 00-0040	EA	50 HP, 1,800 RPM, 326T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	7,296.90	
23 05 13 00-0041	EA	60 HP, 3,600 RPM, 364TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	8,847.74	
23 05 13 00-0042	EA	60 HP, 1,800 RPM, 364T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	9,186.76	
23 05 13 00-0043	EA	75 HP, 3,600 RPM, 365TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	11,606.89	
23 05 13 00-0044	EA	75 HP, 1,800 RPM, 365T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	11,276.56	
23 05 13 00-0045	EA	100 HP, 3,600 RPM, 365TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	12,406.65	
23 05 13 00-0046	EA	100 HP, 1,800 RPM, 404T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	13,119.48	
23 05 13 00-0047	EA	125 HP, 3,600 RPM, 404TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	15,570.90	
23 05 13 00-0048	EA	125 HP, 1,800 RPM, 405T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	16,094.22	
23 05 13 00-0049	EA	150 HP, 3,600 RPM, 405TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	19,208.05	

23 05 13 00-0050 Cast Iron Frame, Premium Efficient, Open Drip Proof Motors *(23 05 13 00-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 13 00-0051	EA	40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	9,758.76	
23 05 13 00-0052	EA	50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	11,813.79	
23 05 13 00-0053	EA	60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	14,998.90	
23 05 13 00-0054	EA	75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	16,699.25	
23 05 13 00-0055	EA	100 HP, 1,200 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	18,380.48	
23 05 13 00-0056	EA	125 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	19,849.60	
23 05 13 00-0057	EA	150 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	17,878.02	
23 05 13 00-0058	EA	150 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	23,377.22	
23 05 13 00-0059	EA	200 HP, 3,600 RPM, 444TS NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	21,767.27	
23 05 13 00-0060	EA	200 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	22,341.01	
23 05 13 00-0061	EA	200 HP, 1,200 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	30,729.76	

23 05 13 00-0062 Premium Efficient, TEFC Motors *(23 05 13 00-0001)*

Note: NEMA premium efficiency, totally enclosed fan cooled, three phase AC motors.

23 05 13 00-0063 Steel Frame, Premium Efficient, TEFC Motors *(23 05 13 00-0062)*

23 05 13 00-0064	EA	1 HP, 3,600 RPM, 56 NEMA Steel Frame, Premium Efficient, TEFC Motor	937.11	
23 05 13 00-0065	EA	1 HP, 1,800 RPM, 143T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,032.73	
23 05 13 00-0066	EA	1 HP, 1,200 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,229.19	
23 05 13 00-0067	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,062.28	
23 05 13 00-0068	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,072.72	
23 05 13 00-0069	EA	2 HP, 3,600 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,163.12	
23 05 13 00-0070	EA	2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,112.70	
23 05 13 00-0071	EA	3 HP, 3,600 RPM, 182T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,290.04	
23 05 13 00-0072	EA	3 HP, 1,800 RPM, 182T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,229.19	
23 05 13 00-0073	EA	3 HP, 1,200 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,973.31	
23 05 13 00-0074	EA	5 HP, 3,600 RPM, 184T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,430.87	
23 05 13 00-0075	EA	5 HP, 1,800 RPM, 184T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,345.68	
23 05 13 00-0076	EA	5 HP, 1,200 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor	2,228.89	
23 05 13 00-0077	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor	2,143.69	
23 05 13 00-0078	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,940.28	
23 05 13 00-0079	EA	10 HP, 3,600 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor	2,173.25	
23 05 13 00-0080	EA	10 HP, 1,800 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor	2,190.64	

23 05 13 00-0081 Cast Iron Frame, Premium Efficient, TEFC Motors *(23 05 13 00-0062)*

23 05 13 00-0082	EA	1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,336.98	
23 05 13 00-0083	EA	1 HP, 1,200 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,496.93	
23 05 13 00-0084	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,411.74	
23 05 13 00-0085	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,385.66	
23 05 13 00-0086	EA	1-1/2 HP, 1,200 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,782.06	
23 05 13 00-0087	EA	2 HP, 3,600 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,484.76	
23 05 13 00-0088	EA	2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,451.73	
23 05 13 00-0089	EA	2 HP, 1,200 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,809.88	
23 05 13 00-0090	EA	3 HP, 3,600 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,602.99	
23 05 13 00-0091	EA	3 HP, 1,800 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,648.19	
23 05 13 00-0092	EA	3 HP, 1,200 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,254.96	
23 05 13 00-0093	EA	5 HP, 3,600 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,973.31	
23 05 13 00-0094	EA	5 HP, 1,800 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,649.93	
23 05 13 00-0095	EA	5 HP, 1,200 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,616.59	
23 05 13 00-0096	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,284.52	
23 05 13 00-0097	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,201.07	
23 05 13 00-0098	EA	7-1/2 HP, 1,200 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,731.04	
23 05 13 00-0099	EA	10 HP, 3,600 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,677.44	
23 05 13 00-0100	EA	10 HP, 1,800 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,468.81	
23 05 13 00-0101	EA	10 HP, 1,200 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,259.57	
23 05 13 00-0102	EA	15 HP, 3,600 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,689.31	
23 05 13 00-0103	EA	15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,376.36	
23 05 13 00-0104	EA	15 HP, 1,200 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	5,681.74	
23 05 13 00-0105	EA	20 HP, 3,600 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,049.20	
23 05 13 00-0106	EA	20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,094.40	
23 05 13 00-0107	EA	20 HP, 1,200 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	7,564.65	
23 05 13 00-0108	EA	25 HP, 3,600 RPM, 284TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	5,283.61	
23 05 13 00-0109	EA	25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	5,354.89	
23 05 13 00-0110	EA	25 HP, 1,200 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	8,559.13	
23 05 13 00-0111	EA	30 HP, 3,600 RPM, 286TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	6,278.08	
23 05 13 00-0112	EA	30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	6,352.84	
23 05 13 00-0113	EA	30 HP, 1,200 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	9,887.42	
23 05 13 00-0114	EA	40 HP, 3,600 RPM, 324TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	8,606.07	
23 05 13 00-0115	EA	40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	8,307.03	
23 05 13 00-0116	EA	40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	12,321.46	
23 05 13 00-0117	EA	50 HP, 3,600 RPM, 326TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	9,414.52	
23 05 13 00-0118	EA	50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	9,078.97	
23 05 13 00-0119	EA	50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	14,889.37	
23 05 13 00-0120	EA	60 HP, 3,600 RPM, 364TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	13,225.53	
23 05 13 00-0121	EA	60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	13,063.84	
23 05 13 00-0122	EA	60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	18,072.75	
23 05 13 00-0123	EA	75 HP, 3,600 RPM, 365TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	15,386.61	
23 05 13 00-0124	EA	75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	15,275.34	
23 05 13 00-0125	EA	75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	21,045.75	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 13 00-0126	EA	100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	18,969.86	
23 05 13 00-0127	EA	125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	23,485.01	
23 05 13 00-0128	EA	150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	27,014.37	
23 05 13 00-0129	EA	200 HP, 1,800 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	33,951.38	
23 05 13 00-0130		**Premium Efficient, Severe Duty Motors** *(23 05 13 00-0001)*		
		Note: NEMA premium efficiency, TEFC enclosure severe duty, three phase AC motors.		
23 05 13 00-0131	EA	1 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,389.14	
23 05 13 00-0132	EA	1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,526.49	
23 05 13 00-0133	EA	1 HP, 1,200 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,686.44	
23 05 13 00-0134	EA	1 HP, 900 RPM, L182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,369.71	
23 05 13 00-0135	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,580.39	
23 05 13 00-0136	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,556.05	
23 05 13 00-0137	EA	1-1/2 HP, 1,200 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,973.31	
23 05 13 00-0138	EA	1-1/2 HP, 900 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,948.67	
23 05 13 00-0139	EA	2 HP, 3,600 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,653.41	
23 05 13 00-0140	EA	2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,623.85	
23 05 13 00-0141	EA	2 HP, 1,200 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,999.39	
23 05 13 00-0142	EA	2 HP, 900 RPM, L213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,718.87	
23 05 13 00-0143	EA	3 HP, 3,600 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,955.92	
23 05 13 00-0144	EA	3 HP, 1,800 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,055.03	
23 05 13 00-0145	EA	3 HP, 1,200 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,886.08	
23 05 13 00-0146	EA	3 HP, 900 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,033.55	
23 05 13 00-0147	EA	5 HP, 3,600 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,406.22	
23 05 13 00-0148	EA	5 HP, 1,800 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,091.54	
23 05 13 00-0149	EA	5 HP, 1,200 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,924.33	
23 05 13 00-0150	EA	5 HP, 900 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	6,420.65	
23 05 13 00-0151	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,139.91	
23 05 13 00-0152	EA	7-1/2 HP, 1,800 RPM, L213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,633.98	
23 05 13 00-0153	EA	7-1/2 HP, 1,200 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,184.81	
23 05 13 00-0154	EA	7-1/2 HP, 900 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	7,342.11	
23 05 13 00-0155	EA	10 HP, 3,600 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,343.33	
23 05 13 00-0156	EA	10 HP, 1,800 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,153.82	
23 05 13 00-0157	EA	10 HP, 1,200 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	5,436.60	
23 05 13 00-0158	EA	10 HP, 900 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	8,564.34	
23 05 13 00-0159	EA	15 HP, 3,600 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,276.96	
23 05 13 00-0160	EA	15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,017.90	
23 05 13 00-0161	EA	15 HP, 1,200 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	6,232.88	
23 05 13 00-0162	EA	15 HP, 900 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	11,433.03	
23 05 13 00-0163	EA	20 HP, 3,600 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,989.78	
23 05 13 00-0164	EA	20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,309.99	
23 05 13 00-0165	EA	20 HP, 1,200 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	8,468.72	
23 05 13 00-0166	EA	20 HP, 900 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	13,034.28	
23 05 13 00-0167	EA	25 HP, 3,600 RPM, 284TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	5,996.43	
23 05 13 00-0168	EA	25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	5,640.02	
23 05 13 00-0169	EA	25 HP, 1,200 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	8,849.47	
23 05 13 00-0170	EA	30 HP, 3,600 RPM, 286TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	7,310.81	
23 05 13 00-0171	EA	30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	6,697.09	
23 05 13 00-0172	EA	30 HP, 1,200 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	11,408.69	
23 05 13 00-0173	EA	40 HP, 3,600 RPM, 324TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	10,043.89	
23 05 13 00-0174	EA	40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	8,762.54	
23 05 13 00-0175	EA	40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	14,220.01	
23 05 13 00-0176	EA	50 HP, 3,600 RPM, 326TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	10,525.48	
23 05 13 00-0177	EA	50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	10,285.56	
23 05 13 00-0178	EA	50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	15,146.68	
23 05 13 00-0179	EA	60 HP, 3,600 RPM, 364TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	15,275.34	
23 05 13 00-0180	EA	60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	13,785.36	
23 05 13 00-0181	EA	60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	20,689.34	
23 05 13 00-0182	EA	75 HP, 3,600 RPM, 365TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	17,076.53	
23 05 13 00-0183	EA	75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	16,108.13	
23 05 13 00-0184	EA	75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	25,180.14	
23 05 13 00-0185	EA	100 HP, 3,600 RPM, 405TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	21,464.76	
23 05 13 00-0186	EA	100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	21,144.85	
23 05 13 00-0187	EA	100 HP, 1,200 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	27,695.90	
23 05 13 00-0188	EA	125 HP, 3,600 RPM, 444TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	25,221.87	
23 05 13 00-0189	EA	125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	24,997.59	
23 05 13 00-0190	EA	125 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	31,287.85	
23 05 13 00-0191	EA	150 HP, 3,600 RPM, 445TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	29,568.37	
23 05 13 00-0192	EA	150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	29,284.98	
23 05 13 00-0193	EA	150 HP, 1,200 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	35,276.19	
23 05 13 00-0194	EA	200 HP, 3,600 RPM, 447TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	35,013.67	
23 05 13 00-0195	EA	200 HP, 1,800 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	35,229.25	
23 05 13 00-0196	EA	200 HP, 1,200 RPM, 449T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	46,208.51	
23 05 13 00-0197		**Premium Efficient, Explosion Proof Motors** *(23 05 13 00-0001)*		
		Note: NEMA premium efficiency, explosion proof, three phase AC motors.		
23 05 13 00-0198	EA	1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	1,853.35	
23 05 13 00-0199	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	1,919.41	
23 05 13 00-0200	EA	2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	2,093.27	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 13 00-0201	EA	3 HP, 1,800 RPM, L182T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	2,587.04	
23 05 13 00-0202	EA	5 HP, 1,800 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	2,868.69	
23 05 13 00-0203	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	3,953.58	
23 05 13 00-0204	EA	10 HP, 1,800 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	4,035.29	
23 05 13 00-0205	EA	15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	5,462.68	
23 05 13 00-0206	EA	20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	6,227.67	
23 05 13 00-0207	EA	25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	8,181.85	
23 05 13 00-0208	EA	30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	9,183.29	
23 05 13 00-0209	EA	40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	12,008.51	
23 05 13 00-0210	EA	50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	13,524.57	
23 05 13 00-0211	EA	60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	18,919.45	
23 05 13 00-0212	EA	75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	22,210.62	
23 05 13 00-0213	EA	100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	27,056.09	
23 05 13 00-0214	EA	125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	35,363.12	
23 05 13 00-0215	EA	150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	40,349.43	

23 05 13 00-0216 Motor Mounting *(23 05 13)*

Note: Includes handling and motor installation on mounting base. Excludes mounting base.

23 05 13 00-0217	EA	1/2 HP Motor Mounting	198.22	100.85
23 05 13 00-0218	EA	3/4 HP Motor Mounting	228.39	126.07
23 05 13 00-0219	EA	1 HP Motor Mounting	244.32	126.07
23 05 13 00-0220	EA	1-1/2 HP Motor Mounting	262.64	126.07
23 05 13 00-0221	EA	2 HP Motor Mounting	283.93	151.28
23 05 13 00-0222	EA	3 HP Motor Mounting	328.30	151.28
23 05 13 00-0223	EA	5 HP Motor Mounting	389.10	252.14
23 05 13 00-0224	EA	7-1/2 HP Motor Mounting	500.26	252.14
23 05 13 00-0225	EA	10 HP Motor Mounting	656.61	441.24
23 05 13 00-0226	EA	15 HP Motor Mounting	808.13	441.24
23 05 13 00-0227	EA	20 HP Motor Mounting	955.06	630.34
23 05 13 00-0228	EA	25 HP Motor Mounting	1,083.05	630.34
23 05 13 00-0229	EA	30 HP Motor Mounting	1,313.20	630.34
23 05 13 00-0230	EA	40 HP Motor Mounting	1,479.66	945.51
23 05 13 00-0231	EA	50 HP Motor Mounting	1,641.50	945.51
23 05 13 00-0232	EA	75 HP Motor Mounting	1,982.19	1,386.74
23 05 13 00-0233	EA	100 HP Motor Mounting	2,387.64	1,386.74
23 05 13 00-0234	EA	125 HP Motor Mounting	2,918.23	1,891.01
23 05 13 00-0235	EA	150 HP Motor Mounting	3,388.91	1,891.01
23 05 13 00-0236	EA	200 HP Motor Mounting	3,890.97	2,269.21

23 05 13 00-0237 Motor Couplings *(23 05 13)*

23 05 13 00-0238	EA	5 To 15 HP, MGD Coupling (MagnaDrive MGE-07)	5,216.82	71.18
23 05 13 00-0239	EA	>15 To 50 HP, MGD Coupling (MagnaDrive MGE-11)	6,792.39	106.77
23 05 13 00-0240	EA	>50 To 100 HP, MGD Coupling (MagnaDrive MGE-15)	11,838.30	142.36

23 05 16 Expansion Fittings and Loops for HVAC Piping *(23 05)*

23 05 16 00-0001 Stainless Steel Bellows Type Expansion Joints *(23 05 16)*

Note: Includes internal sleeves and external covers.

23 05 16 00-0002 Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joints *(23 05 16 00-0001)*

Note: Carbon steel ends. Includes internal sleeves and external covers.

23 05 16 00-0003	EA	1/2" Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joint	233.77	94.39
		For 300 Lb. Rating, Add	*11.23*	
23 05 16 00-0004	EA	3/4" Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joint	261.93	106.44
		For 300 Lb. Rating, Add	*12.30*	
23 05 16 00-0005	EA	1" Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joint	308.10	122.02
		For 300 Lb. Rating, Add	*16.03*	
23 05 16 00-0006	EA	1-1/4" Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joint	349.05	136.19
		For 300 Lb. Rating, Add	*19.24*	
23 05 16 00-0007	EA	1-1/2" Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joint	378.22	146.38
		For 300 Lb. Rating, Add	*21.37*	
23 05 16 00-0008	EA	2" Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joint	434.16	172.25
		For 300 Lb. Rating, Add	*22.44*	

23 05 16 00-0009 Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joints *(23 05 16 00-0001)*

Note: Carbon steel ends. Includes internal sleeves and external covers.

23 05 16 00-0010	EA	1-1/4" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	578.96	94.36
		For 300 Lb. Rating, Add	*115.43*	
23 05 16 00-0011	EA	1-1/2" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	633.82	113.24
		For 300 Lb. Rating, Add	*122.98*	
23 05 16 00-0012	EA	2" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	671.76	143.76
		For 300 Lb. Rating, Add	*123.00*	
23 05 16 00-0013	EA	2-1/2" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	724.54	156.38
		For 300 Lb. Rating, Add	*132.12*	
23 05 16 00-0014	EA	3" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	800.52	183.35
		For 300 Lb. Rating, Add	*142.77*	
23 05 16 00-0015	EA	4" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	1,001.16	307.37
		For 300 Lb. Rating, Add	*154.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0016	EA	5" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	1,337.99	336.17
		For 300 Lb. Rating, Add	*229.61*	
23 05 16 00-0017	EA	6" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	1,255.12	373.52
		For 300 Lb. Rating, Add	*196.64*	
23 05 16 00-0018	EA	8" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	1,612.41	477.28
		For 300 Lb. Rating, Add	*254.88*	
23 05 16 00-0019	EA	10" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	2,045.08	581.03
		For 300 Lb. Rating, Add	*329.70*	
23 05 16 00-0020	EA	12" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	2,670.22	440.13
		For 300 Lb. Rating, Add	*447.20*	
23 05 16 00-0021	EA	14" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	3,381.73	830.05
		For 300 Lb. Rating, Add	*586.05*	
23 05 16 00-0022	EA	16" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	4,327.93	913.04
		For 300 Lb. Rating, Add	*796.66*	

23 05 16 00-0023 Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joints *(23 05 16 00-0001)*

Note: Carbon steel ends. Includes internal sleeves and external covers.

23 05 16 00-0024	EA	1-1/4" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	629.61	129.42
		For 300 Lb. Rating, Add	*92.72*	
23 05 16 00-0025	EA	1-1/2" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	656.12	130.49
		For 300 Lb. Rating, Add	*98.78*	
23 05 16 00-0026	EA	2" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	665.07	134.81
		For 300 Lb. Rating, Add	*98.80*	
23 05 16 00-0027	EA	2-1/2" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	718.81	147.00
		For 300 Lb. Rating, Add	*106.12*	
23 05 16 00-0028	EA	3" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	805.72	172.88
		For 300 Lb. Rating, Add	*114.90*	
23 05 16 00-0029	EA	4" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	1,182.56	344.26
		For 300 Lb. Rating, Add	*123.69*	
23 05 16 00-0030	EA	5" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	1,438.71	351.42
		For 300 Lb. Rating, Add	*184.42*	
23 05 16 00-0031	EA	6" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	1,409.36	389.08
		For 300 Lb. Rating, Add	*157.94*	
23 05 16 00-0032	EA	8" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	1,706.75	444.59
		For 300 Lb. Rating, Add	*204.72*	
23 05 16 00-0033	EA	10" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	2,146.50	544.71
		For 300 Lb. Rating, Add	*264.81*	
23 05 16 00-0034	EA	12" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	2,757.29	660.30
		For 300 Lb. Rating, Add	*359.19*	
23 05 16 00-0035	EA	14" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	3,300.70	672.34
		For 300 Lb. Rating, Add	*488.93*	
23 05 16 00-0036	EA	16" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	4,339.79	840.41
		For 300 Lb. Rating, Add	*664.64*	

23 05 16 00-0037 Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joints *(23 05 16)*

23 05 16 00-0038 Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joints *(23 05 16 00-0037)*

23 05 16 00-0039	EA	2" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	825.52	143.76
23 05 16 00-0040	EA	2-1/2" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	889.69	156.38
23 05 16 00-0041	EA	3" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	978.98	183.35
23 05 16 00-0042	EA	4" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	1,193.66	307.37
23 05 16 00-0043	EA	5" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	1,625.00	336.17
23 05 16 00-0044	EA	6" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	1,500.93	373.52
23 05 16 00-0045	EA	8" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	1,931.02	477.28
23 05 16 00-0046	EA	10" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	2,457.22	581.03
23 05 16 00-0047	EA	12" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	3,229.25	440.65
23 05 16 00-0048	EA	14" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	4,114.31	830.05
23 05 16 00-0049	EA	16" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	5,323.78	913.04
23 05 16 00-0050	EA	18" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	6,962.67	1,012.65
23 05 16 00-0051	EA	20" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	8,112.63	1,141.31
23 05 16 00-0052	EA	24" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	9,336.70	1,400.70
23 05 16 00-0053	EA	30" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	12,148.16	2,282.61
23 05 16 00-0054	EA	36" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	15,557.89	3,043.49

23 05 16 00-0055 Chlorobutyl Rubber (ClIR) And Polyester Bellows Type Expansion Joints *(23 05 16)*

23 05 16 00-0056 Flanged, 150 Lb., Chlorobutyl Rubber (ClIR) And Polyester Bellows Type Expansion Joints *(23 05 16 00-0055)*

23 05 16 00-0057	EA	2" Flanged, 150 Lb., Chlorobutyl Rubber (ClIR) And Polyester Bellows Type Expansion Joint	1,096.70	143.76
23 05 16 00-0058	EA	2-1/2" Flanged, 150 Lb., Chlorobutyl Rubber (ClIR) And Polyester Bellows Type Expansion Joint	1,180.96	156.38
23 05 16 00-0059	EA	3" Flanged, 150 Lb., Chlorobutyl Rubber (ClIR) And Polyester Bellows Type Expansion Joint	1,293.73	183.35
23 05 16 00-0060	EA	4" Flanged, 150 Lb., Chlorobutyl Rubber (ClIR) And Polyester Bellows Type Expansion Joint	1,533.17	307.37
23 05 16 00-0061	EA	5" Flanged, 150 Lb., Chlorobutyl Rubber (ClIR) And Polyester Bellows Type Expansion Joint	2,131.20	336.17
23 05 16 00-0062	EA	6" Flanged, 150 Lb., Chlorobutyl Rubber (ClIR) And Polyester Bellows Type Expansion Joint	1,934.45	373.52
23 05 16 00-0063	EA	8" Flanged, 150 Lb., Chlorobutyl Rubber (ClIR) And Polyester Bellows Type Expansion Joint	2,492.94	477.28
23 05 16 00-0064	EA	10" Flanged, 150 Lb., Chlorobutyl Rubber (ClIR) And Polyester Bellows Type Expansion Joint	3,184.10	581.03
23 05 16 00-0065	EA	12" Flanged, 150 Lb., Chlorobutyl Rubber (ClIR) And Polyester Bellows Type Expansion Joint	4,215.18	440.65

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0066	EA	14" Flanged, 150 Lb., Chlorobutyl Rubber (ClIR) And Polyester Bellows Type Expansion Joint	5,406.34	830.05
23 05 16 00-0067	EA	16" Flanged, 150 Lb., Chlorobutyl Rubber (ClIR) And Polyester Bellows Type Expansion Joint	7,080.13	913.04
23 05 16 00-0068	EA	18" Flanged, 150 Lb., Chlorobutyl Rubber (ClIR) And Polyester Bellows Type Expansion Joint	9,354.97	1,012.65
23 05 16 00-0069	EA	20" Flanged, 150 Lb., Chlorobutyl Rubber (ClIR) And Polyester Bellows Type Expansion Joint	10,920.29	1,141.31
23 05 16 00-0070	EA	24" Flanged, 150 Lb., Chlorobutyl Rubber (ClIR) And Polyester Bellows Type Expansion Joint	12,522.23	1,400.70
23 05 16 00-0071	EA	30" Flanged, 150 Lb., Chlorobutyl Rubber (ClIR) And Polyester Bellows Type Expansion Joint	16,051.38	2,282.61
23 05 16 00-0072	EA	36" Flanged, 150 Lb., Chlorobutyl Rubber (ClIR) And Polyester Bellows Type Expansion Joint	20,493.58	3,043.49
23 05 16 00-0073		Neoprene Bellows Type Expansion Joints *(23 05 16)*		
23 05 16 00-0074		Flanged, 150 Lb., Neoprene Bellows Type Expansion Joints *(23 05 16 00-0073)*		
		Note: Cast iron ends.		
23 05 16 00-0075	EA	2" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint	1,284.46	143.76
23 05 16 00-0076	EA	2-1/2" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint	1,362.16	156.38
23 05 16 00-0077	EA	3" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint	1,410.89	183.35
23 05 16 00-0078	EA	4" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint	1,704.70	307.37
23 05 16 00-0079	EA	5" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint	2,030.61	336.17
23 05 16 00-0080	EA	6" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint	2,105.18	373.52
23 05 16 00-0081	EA	8" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint	2,536.36	477.28
23 05 16 00-0082	EA	10" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint	2,823.18	581.03
23 05 16 00-0083	EA	12" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint	3,131.75	440.44
23 05 16 00-0084	EA	14" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint	4,029.47	830.05
23 05 16 00-0085	EA	16" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint	5,207.26	913.04
23 05 16 00-0086	EA	18" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint	6,789.36	1,012.65
23 05 16 00-0087	EA	20" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint	7,947.50	1,141.31
23 05 16 00-0088	EA	24" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint	9,141.18	1,400.70
23 05 16 00-0089	EA	30" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint	11,880.20	2,282.61
23 05 16 00-0090	EA	36" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint	15,235.04	3,043.49
23 05 16 00-0091		Tube And Cover Expansion Joints *(23 05 16)*		
		Note: Carbon steel split backup rings.		
23 05 16 00-0092		Flanged, 150 Lb., Tube And Cover Expansion Joints *(23 05 16 00-0091)*		
23 05 16 00-0093		Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joints *(23 05 16 00-0092)*		
23 05 16 00-0094	EA	1" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	461.59	80.89
23 05 16 00-0095	EA	1-1/4" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	441.04	94.36
23 05 16 00-0096	EA	1-1/2" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	525.67	113.24
23 05 16 00-0097	EA	2" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	611.49	143.76
23 05 16 00-0098	EA	2-1/2" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	687.78	156.38
23 05 16 00-0099	EA	3" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	776.83	199.08
23 05 16 00-0100	EA	4" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	1,029.86	333.74
23 05 16 00-0101	EA	5" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	1,145.13	379.41
23 05 16 00-0102	EA	6" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	1,272.09	373.52
23 05 16 00-0103	EA	8" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	1,646.06	424.59
23 05 16 00-0104	EA	10" x 8" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	2,441.25	581.03
23 05 16 00-0105	EA	12" x 8" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	3,087.02	705.54
23 05 16 00-0106	EA	14" x 8" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	3,460.10	830.05
23 05 16 00-0107	EA	16" x 8" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	3,863.68	913.04
23 05 16 00-0108	EA	18" x 8" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	4,204.05	1,012.65
23 05 16 00-0109	EA	20" x 8" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	5,048.47	1,141.31
23 05 16 00-0110	EA	24" x 10" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	6,128.24	1,400.70
23 05 16 00-0111	EA	30" x 10" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	8,777.72	2,282.61
23 05 16 00-0112	EA	36" x 10" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	10,544.31	3,043.49
23 05 16 00-0113		Flanged, 150 Lb., Rubber Tube And Cover Expansion Joints *(23 05 16 00-0092)*		
23 05 16 00-0114	EA	1" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	437.60	80.89
23 05 16 00-0115	EA	1-1/4" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	417.05	94.36
23 05 16 00-0116	EA	1-1/2" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	501.68	113.24
23 05 16 00-0117	EA	2" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	587.51	143.76

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0118	EA	2-1/2" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	663.80	156.38
23 05 16 00-0119	EA	3" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	752.85	199.08
23 05 16 00-0120	EA	4" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	993.88	333.74
23 05 16 00-0121	EA	5" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	1,109.15	379.41
23 05 16 00-0122	EA	6" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	1,236.11	373.52
23 05 16 00-0123	EA	8" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	1,648.26	477.28
23 05 16 00-0124	EA	10" x 8" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	2,309.33	581.03
23 05 16 00-0125	EA	12" x 8" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	2,967.09	705.54
23 05 16 00-0126	EA	14" x 8" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	3,328.17	830.05
23 05 16 00-0127	EA	16" x 8" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	3,731.75	913.04
23 05 16 00-0128	EA	18" x 8" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	4,060.13	1,012.65
23 05 16 00-0129	EA	20" x 8" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	4,880.57	1,141.31
23 05 16 00-0130	EA	24" x 10" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	5,924.36	1,400.70
23 05 16 00-0131	EA	30" x 10" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	8,190.08	2,282.61
23 05 16 00-0132	EA	36" x 10" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	10,208.52	3,043.49
23 05 16 00-0133		**Flanged, 125 Lb., Buna-N Tube And Cover Expansion Joints** *(23 05 16 00-0092)*		
23 05 16 00-0134	EA	2" x 6" Flanged, 125 Lb., Buna-N Tube And Cover Expansion Joint (Mercer 451)	599.50	143.76
23 05 16 00-0135	EA	3" x 6" Flanged, 125 Lb., Buna-N Tube And Cover Expansion Joint (Mercer 451)	743.85	199.08
23 05 16 00-0136	EA	4" x 6" Flanged, 125 Lb., Buna-N Tube And Cover Expansion Joint (Mercer 451)	981.89	333.74
23 05 16 00-0137	EA	6" x 6" Flanged, 125 Lb., Buna-N Tube And Cover Expansion Joint (Mercer 451)	1,134.17	373.52
23 05 16 00-0138	EA	8" x 6" Flanged, 125 Lb., Buna-N Tube And Cover Expansion Joint (Mercer 451)	1,408.40	477.28
23 05 16 00-0139	EA	10" x 8" Flanged, 125 Lb., Buna-N Tube And Cover Expansion Joint (Mercer 451)	1,745.67	581.03
23 05 16 00-0140	EA	12" x 8" Flanged, 125 Lb., Buna-N Tube And Cover Expansion Joint (Mercer 451)	2,085.62	705.54
23 05 16 00-0141		**Flanged, Tube And Cover Expansion Joints (Mercer 501)** *(23 05 16 00-0091)*		
23 05 16 00-0142		**Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joints (501EE)** *(23 05 16 00-0141)*		
23 05 16 00-0143	EA	1-1/2" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	885.45	113.24
23 05 16 00-0144	EA	2" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	983.27	143.76
23 05 16 00-0145	EA	2-1/2" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	1,023.58	156.38
23 05 16 00-0146	EA	3" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	1,160.60	199.08
23 05 16 00-0147	EA	4" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	1,473.60	333.74
23 05 16 00-0148	EA	5" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	1,624.84	379.41
23 05 16 00-0149	EA	6" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	1,727.81	373.52
23 05 16 00-0150	EA	8" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	2,307.86	477.28
23 05 16 00-0151	EA	10" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	2,849.01	581.03
23 05 16 00-0152	EA	12" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	3,290.89	705.54
23 05 16 00-0153	EA	14" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	3,771.91	830.05
23 05 16 00-0154	EA	16" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	4,115.52	913.04
23 05 16 00-0155	EA	18" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	4,503.87	1,012.65
23 05 16 00-0156	EA	20" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	5,288.32	1,141.31
23 05 16 00-0157	EA	24" x 10" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	6,488.03	1,400.70
23 05 16 00-0158	EA	30" x 10" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	9,365.37	2,282.61
23 05 16 00-0159	EA	36" x 10" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	11,623.67	3,043.49
23 05 16 00-0160	EA	42" x 12" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	15,204.84	4,565.23
23 05 16 00-0161	EA	48" x 12" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	18,034.64	5,706.54
23 05 16 00-0162	EA	60" x 12" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	24,051.50	8,217.41
23 05 16 00-0163		**Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 501RR)** *(23 05 16 00-0141)*		
23 05 16 00-0164	EA	1-1/2" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	837.48	113.24
23 05 16 00-0165	EA	2" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	923.30	143.76
23 05 16 00-0166	EA	2-1/2" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	963.62	156.38
23 05 16 00-0167	EA	3" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	1,088.65	199.08
23 05 16 00-0168	EA	4" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	1,389.65	333.74
23 05 16 00-0169	EA	5" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	1,540.89	379.41
23 05 16 00-0170	EA	6" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	1,631.87	373.52
23 05 16 00-0171	EA	8" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	2,175.94	477.28
23 05 16 00-0172	EA	10" x 8" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	2,693.10	581.03
23 05 16 00-0173	EA	12" x 8" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	3,111.00	705.54
23 05 16 00-0174	EA	14" x 8" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	3,568.03	830.05
23 05 16 00-0175	EA	16" x 8" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	3,899.65	913.04
23 05 16 00-0176	EA	18" x 8" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	4,252.02	1,012.65
23 05 16 00-0177	EA	20" x 8" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	5,000.49	1,141.31
23 05 16 00-0178	EA	24" x 10" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	6,140.23	1,400.70
23 05 16 00-0179	EA	30" x 10" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	8,873.67	2,282.61
23 05 16 00-0180	EA	36" x 10" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	11,036.02	3,043.49

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0181		**Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)** *(23 05 16 00-0141)*		
		Note: 501BB, 501NN or 501NiNi.		
23 05 16 00-0182	EA	1-1/2" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	885.45	113.24
23 05 16 00-0183	EA	2" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	995.26	143.76
23 05 16 00-0184	EA	2-1/2" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	1,023.58	156.38
23 05 16 00-0185	EA	3" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	1,160.60	199.08
23 05 16 00-0186	EA	4" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	1,473.60	333.74
23 05 16 00-0187	EA	5" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	1,624.84	379.41
23 05 16 00-0188	EA	6" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	1,739.81	373.52
23 05 16 00-0189	EA	8" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	2,307.86	477.28
23 05 16 00-0190	EA	10" x 8" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	2,849.01	581.03
23 05 16 00-0191	EA	12" x 8" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	3,290.89	705.54
23 05 16 00-0192	EA	14" x 8" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	3,771.91	830.05
23 05 16 00-0193	EA	16" x 8" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	4,115.52	913.04
23 05 16 00-0194	EA	18" x 8" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	4,503.87	1,012.65
23 05 16 00-0195	EA	20" x 8" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	5,288.32	1,141.31
23 05 16 00-0196	EA	24" x 10" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	6,488.03	1,400.70
23 05 16 00-0197	EA	30" x 10" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	9,365.37	2,282.61
23 05 16 00-0198	EA	36" x 10" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	11,623.67	3,043.49
23 05 16 00-0199		**Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joints (Mercer 501NNFA)** *(23 05 16 00-0141)*		
23 05 16 00-0200	EA	1-1/2" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	921.43	113.24
23 05 16 00-0201	EA	2" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	1,019.25	143.76
23 05 16 00-0202	EA	2-1/2" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	1,059.56	156.38
23 05 16 00-0203	EA	3" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	1,208.57	199.08
23 05 16 00-0204	EA	4" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	1,533.56	333.74
23 05 16 00-0205	EA	5" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	1,684.80	379.41
23 05 16 00-0206	EA	6" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	1,799.77	373.52
23 05 16 00-0207	EA	8" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	2,391.81	477.28
23 05 16 00-0208	EA	10" x 8" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	2,956.94	581.03
23 05 16 00-0209	EA	12" x 8" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	3,422.81	705.54
23 05 16 00-0210	EA	14" x 8" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	3,903.83	830.05
23 05 16 00-0211	EA	16" x 8" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	4,271.43	913.04
23 05 16 00-0212	EA	18" x 8" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	4,659.77	1,012.65
23 05 16 00-0213	EA	20" x 8" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	5,480.21	1,141.31
23 05 16 00-0214	EA	24" x 10" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	6,739.87	1,400.70
23 05 16 00-0215		**Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)** *(23 05 16 00-0141)*		
		Note: Kevlar reinforcement for high temperature.		
23 05 16 00-0216	EA	1-1/2" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	1,149.30	113.24
23 05 16 00-0217	EA	2" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	1,211.13	143.76
23 05 16 00-0218	EA	2-1/2" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	1,311.41	156.38
23 05 16 00-0219	EA	3" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	1,412.45	199.08
23 05 16 00-0220	EA	4" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	1,941.32	333.74
23 05 16 00-0221	EA	5" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	2,116.54	379.41
23 05 16 00-0222	EA	6" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	2,183.54	373.52
23 05 16 00-0223	EA	8" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	2,583.69	477.28
23 05 16 00-0224	EA	10" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	3,064.88	581.03
23 05 16 00-0225	EA	12" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	3,710.64	705.54
23 05 16 00-0226	EA	14" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	4,383.54	830.05
23 05 16 00-0227	EA	16" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	5,110.93	913.04
23 05 16 00-0228	EA	18" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	5,679.16	1,012.65
23 05 16 00-0229	EA	20" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	6,703.47	1,141.31
23 05 16 00-0230	EA	24" x 10" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	8,742.67	1,400.70
23 05 16 00-0231		**Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 800)** *(23 05 16 00-0091)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0232		**2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)** *(23 05 16 00-0231)*		
23 05 16 00-0233	EA	1" x 1-3/8" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	533.55	80.89
23 05 16 00-0234	EA	1-1/2" x 1-3/8" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	605.38	86.82
23 05 16 00-0235	EA	2" x 1-5/8" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	815.37	89.84
23 05 16 00-0236	EA	2-1/2" x 2-1/4" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	1,047.77	98.14
23 05 16 00-0237	EA	3" x 2-1/4" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	1,421.04	194.86
23 05 16 00-0238	EA	4" x 2-5/8" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	1,914.48	249.66
23 05 16 00-0239	EA	5" x 3-1/4" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	2,331.49	272.26
23 05 16 00-0240	EA	6" x 2-3/4" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	2,593.53	259.38
23 05 16 00-0241	EA	8" x 4" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	3,579.10	296.43
23 05 16 00-0242	EA	10" x 5-1/4" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	4,638.77	352.56
23 05 16 00-0243	EA	12" x 6" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	6,435.59	441.48
23 05 16 00-0244		**3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)** *(23 05 16 00-0231)*		
23 05 16 00-0245	EA	1" x 1-3/4" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)	593.51	80.89
23 05 16 00-0246	EA	1-1/2" x 2" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)	665.31	86.82
23 05 16 00-0247	EA	2" x 2-3/4" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)	911.31	89.84
23 05 16 00-0248	EA	2-1/2" x 3-1/4" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)	1,179.69	98.14
23 05 16 00-0249	EA	3" x 3-5/8" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)	1,564.95	194.86
23 05 16 00-0250	EA	4" x 3-5/8" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)	2,130.35	249.66
23 05 16 00-0251	EA	5" x 4" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)	2,595.33	272.26
23 05 16 00-0252	EA	6" x 4" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)	2,917.34	259.38
23 05 16 00-0253	EA	8" x 6" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)	4,022.83	296.43
23 05 16 00-0254	EA	10" x 6" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)	5,226.42	352.56
23 05 16 00-0255	EA	12" x 7" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)	7,263.09	441.48
23 05 16 00-0256		**5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805)** *(23 05 16 00-0231)*		
23 05 16 00-0257	EA	1" x 3" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805)	653.47	80.89
23 05 16 00-0258	EA	1-1/2" x 3-1/2" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805)	833.24	86.82
23 05 16 00-0259	EA	2" x 4" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805)	1,067.22	89.84
23 05 16 00-0260	EA	2-1/2" x 4" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805)	1,419.55	98.14
23 05 16 00-0261	EA	3" x 5" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805)	1,900.75	194.86
23 05 16 00-0262	EA	4" x 5-1/4" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805)	2,454.16	249.66
23 05 16 00-0263	EA	5" x 6" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805)	3,230.95	272.26
23 05 16 00-0264	EA	6" x 6" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805)	3,457.02	259.38
23 05 16 00-0265	EA	8" x 8" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805)	5,234.10	296.43
23 05 16 00-0266	EA	10" x 8" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805)	6,965.37	352.56
23 05 16 00-0267	EA	12" x 9" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805)	8,714.22	441.48
23 05 16 00-0268		**Mercer Rubber, Series 450** *(23 05 16 00-0091)*		
23 05 16 00-0269		**Expansion Joints, 2 Arch (452)** *(23 05 16 00-0268)*		
23 05 16 00-0270	EA	1-1/2" x 12" Expansion Joints, 2 Arch	656.35	86.82
23 05 16 00-0271	EA	2" x 12" Expansion Joints, 2 Arch	734.42	89.84
23 05 16 00-0272	EA	2-1/2" x 12" Expansion Joints, 2 Arch	813.91	98.14
23 05 16 00-0273	EA	3" x 12" Expansion Joints, 2 Arch	1,088.24	194.86
23 05 16 00-0274	EA	4" x 12" Expansion Joints, 2 Arch	1,245.88	249.66
23 05 16 00-0275	EA	6" x 12" Expansion Joints, 2 Arch	1,388.26	259.38
23 05 16 00-0276	EA	8" x 12" Expansion Joints, 2 Arch	1,558.31	296.43
23 05 16 00-0277	EA	10" x 14" Expansion Joints, 2 Arch	2,102.29	352.56
23 05 16 00-0278	EA	12" x 14" Expansion Joints, 2 Arch	2,472.61	441.79
23 05 16 00-0279	EA	14" x 14" Expansion Joints, 2 Arch	2,889.79	448.02
23 05 16 00-0280	EA	16" x 14" Expansion Joints, 2 Arch	3,485.95	558.72
23 05 16 00-0281	EA	18" x 14" Expansion Joints, 2 Arch	3,891.38	633.95
23 05 16 00-0282	EA	20" x 14" Expansion Joints, 2 Arch	4,410.10	713.42
23 05 16 00-0283	EA	24" x 16" Expansion Joints, 2 Arch	5,274.66	875.91
23 05 16 00-0284		**Mercer Rubber, Series 502 And 701** *(23 05 16 00-0091)*		
23 05 16 00-0285		**2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)** *(23 05 16 00-0284)*		
		Note: Baked enamel, coated ductile iron backup rings.		
23 05 16 00-0286	EA	1-1/2" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	1,053.35	113.52
23 05 16 00-0287	EA	2" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	1,115.19	143.80
23 05 16 00-0288	EA	2-1/2" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	1,191.48	156.87
23 05 16 00-0289	EA	3" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	1,268.54	199.33
23 05 16 00-0290	EA	4" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	1,617.51	334.58
23 05 16 00-0291	EA	5" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	1,912.67	378.82
23 05 16 00-0292	EA	6" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	1,979.66	374.86
23 05 16 00-0293	EA	8" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	2,355.83	477.28
23 05 16 00-0294	EA	10" x 12" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	2,765.06	581.03
23 05 16 00-0295	EA	12" x 12" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	3,221.52	441.48

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0296	EA	14" x 12" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	3,975.79	830.05
23 05 16 00-0297	EA	16" x 12" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	4,631.21	913.04
23 05 16 00-0298	EA	18" x 12" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	5,127.49	1,012.65
23 05 16 00-0299	EA	20" x 12" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	5,816.00	1,141.31
23 05 16 00-0300	EA	24" x 14" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	6,931.76	1,400.70
23 05 16 00-0301	EA	30" x 14" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	10,216.86	2,282.61
23 05 16 00-0302	EA	36" x 14" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	12,798.96	3,043.49
23 05 16 00-0303	EA	42" x 16" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	17,051.73	4,565.23
23 05 16 00-0304	EA	48" x 16" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	20,133.38	5,706.54
23 05 16 00-0305	EA	60" x 16" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	27,301.55	8,217.41

23 05 16 00-0306 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N) *(23 05 16 00-0284)*

Note: Butyl 502B, Neoprene 502N. Baked enamel, coated ductile iron backup rings.

23 05 16 00-0307	EA	1-1/2" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	1,149.30	113.52
23 05 16 00-0308	EA	2" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	1,211.13	143.80
23 05 16 00-0309	EA	2-1/2" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	1,299.42	156.87
23 05 16 00-0310	EA	3" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	1,376.47	199.33
23 05 16 00-0311	EA	4" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	1,713.45	334.58
23 05 16 00-0312	EA	5" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	2,056.58	378.82
23 05 16 00-0313	EA	6" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	2,099.59	374.86
23 05 16 00-0314	EA	8" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	2,535.72	477.28
23 05 16 00-0315	EA	10" x 12" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	2,956.94	581.03
23 05 16 00-0316	EA	12" x 12" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	3,425.39	441.48
23 05 16 00-0317	EA	14" x 12" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	4,251.62	830.05
23 05 16 00-0318	EA	16" x 12" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	4,955.02	913.04
23 05 16 00-0319	EA	18" x 12" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	5,487.28	1,012.65
23 05 16 00-0320	EA	20" x 12" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	6,223.76	1,141.31
23 05 16 00-0321	EA	24" x 14" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	7,411.47	1,400.70
23 05 16 00-0322	EA	30" x 14" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	10,924.43	2,282.61
23 05 16 00-0323	EA	36" x 14" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	13,638.46	3,043.49
23 05 16 00-0324	EA	42" x 16" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	18,131.08	4,565.23
23 05 16 00-0325	EA	48" x 16" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	21,380.63	5,706.54
23 05 16 00-0326	EA	60" x 16" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	29,004.52	8,217.41

23 05 16 00-0327 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joints (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN) *(23 05 16 00-0284)*

Note: Nitrile 502Ni, Nitrile/Neoprene 502NiN, Ethylene Propylene Diene Monomer (EPDM) 502E, Neoprene/Natural 502NR or Natural/Neoprene 502RN. Baked enamel, coated ductile iron backup rings.

23 05 16 00-0328	EA	1-1/2" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	1,185.27	113.52
23 05 16 00-0329	EA	2" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	1,283.09	143.80
23 05 16 00-0330	EA	2-1/2" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	1,359.38	156.87
23 05 16 00-0331	EA	3" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	1,448.43	199.33
23 05 16 00-0332	EA	4" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	1,809.39	334.58
23 05 16 00-0333	EA	5" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	2,128.54	378.82
23 05 16 00-0334	EA	6" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	2,219.52	374.86
23 05 16 00-0335	EA	8" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	2,631.67	477.28
23 05 16 00-0336	EA	10" x 12" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	3,076.87	581.03
23 05 16 00-0337	EA	12" x 12" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	3,569.31	441.48
23 05 16 00-0338	EA	14" x 12" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	4,395.53	830.05
23 05 16 00-0339	EA	16" x 12" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	5,146.91	913.04
23 05 16 00-0340	EA	18" x 12" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	5,703.15	1,012.65

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0341	EA	20" x 12" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	6,511.59	1,141.31
23 05 16 00-0342	EA	24" x 14" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	7,675.31	1,400.70
23 05 16 00-0343	EA	30" x 14" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	10,960.41	2,282.61
23 05 16 00-0344	EA	36" x 14" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	14,118.17	3,043.49
23 05 16 00-0345	EA	42" x 16" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	18,802.68	4,565.23
23 05 16 00-0346	EA	48" x 16" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	22,124.18	5,706.54
23 05 16 00-0347	EA	60" x 16" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	30,011.92	8,217.41
23 05 16 00-0348		**2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joints (Mercer 502H, 502HN Or 502NH)** *(23 05 16 00-0284)* Note: Hypalon 502H, Hypalon/Neoprene 502HN Or Neoprene/Hypalon 502NH. Baked enamel, coated ductile iron backup rings.		
23 05 16 00-0349	EA	1-1/2" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	1,245.24	113.52
23 05 16 00-0350	EA	2" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	1,307.07	143.80
23 05 16 00-0351	EA	2-1/2" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	1,395.36	156.87
23 05 16 00-0352	EA	3" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	1,508.39	199.33
23 05 16 00-0353	EA	4" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	1,857.37	334.58
23 05 16 00-0354	EA	5" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	2,224.48	378.82
23 05 16 00-0355	EA	6" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	2,315.46	374.86
23 05 16 00-0356	EA	8" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	2,727.61	477.28
23 05 16 00-0357	EA	10" x 12" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	3,196.80	581.03
23 05 16 00-0358	EA	12" x 12" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	3,737.21	441.48
23 05 16 00-0359	EA	14" x 12" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	4,563.43	830.05
23 05 16 00-0360	EA	16" x 12" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	5,362.78	913.04
23 05 16 00-0361	EA	18" x 12" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	5,943.00	1,012.65
23 05 16 00-0362	EA	20" x 12" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	6,775.43	1,141.31
23 05 16 00-0363	EA	24" x 14" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	7,951.15	1,400.70
23 05 16 00-0364	EA	30" x 14" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	11,751.94	2,282.61
23 05 16 00-0365	EA	36" x 14" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	14,693.82	3,043.49
23 05 16 00-0366	EA	42" x 16" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	19,474.27	4,565.23
23 05 16 00-0367	EA	48" x 16" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	22,699.83	5,706.54
23 05 16 00-0368	EA	60" x 16" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	30,779.46	8,217.41
23 05 16 00-0369		**2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)** *(23 05 16 00-0284)* Note: Baked enamel, coated ductile iron backup rings.		
23 05 16 00-0370	EA	1-1/2" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	1,557.05	113.52
23 05 16 00-0371	EA	2" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	1,690.84	143.80
23 05 16 00-0372	EA	2-1/2" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	1,803.12	156.87
23 05 16 00-0373	EA	3" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	2,395.86	199.33
23 05 16 00-0374	EA	4" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	3,128.60	334.58
23 05 16 00-0375	EA	5" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	3,831.51	378.82
23 05 16 00-0376	EA	6" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	4,162.35	374.86
23 05 16 00-0377	EA	8" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	5,366.02	477.28
23 05 16 00-0378	EA	10" x 12" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	7,106.45	581.03
23 05 16 00-0379	EA	12" x 12" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	8,126.57	441.48
23 05 16 00-0380	EA	14" x 12" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	9,348.56	830.05
23 05 16 00-0381	EA	16" x 12" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	11,455.12	913.04

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0382	EA	18" x 12" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	12,706.94	1,012.65
23 05 16 00-0383	EA	20" x 12" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	14,930.53	1,141.31
23 05 16 00-0384	EA	24" x 14" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	19,596.16	1,400.70
23 05 16 00-0385	EA	30" x 14" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	32,835.28	2,282.61
23 05 16 00-0386	EA	36" x 14" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	41,221.90	3,043.49
23 05 16 00-0387	EA	42" x 16" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	53,917.60	4,565.23
23 05 16 00-0388	EA	48" x 16" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	63,019.63	5,706.54
23 05 16 00-0389	EA	60" x 16" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	83,427.85	8,217.41

23 05 16 00-0390 Teflon Lined Expansion Joints (Mercer 701) *(23 05 16 00-0284)*

Note: Natural rubber, neoprene, butyl, ethylene propylene diene monomer (EPDM) Or nitrile. Includes baked enamel coated ductile iron backer rings. Series 701.

23 05 16 00-0391	EA	1-1/2" Teflon Lined Expansion Joint (Mercer 701)	1,031.10	86.82
		For Hypalon Tube And Cover, Add	*17.15*	
		For Viton Tube And Cover, Add	*857.49*	
23 05 16 00-0392	EA	2" Teflon Lined Expansion Joint (Mercer 701)	1,205.13	89.84
		For Hypalon Tube And Cover, Add	*20.51*	
		For Viton Tube And Cover, Add	*1,025.38*	
23 05 16 00-0393	EA	2-1/2" Teflon Lined Expansion Joint (Mercer 701)	1,374.53	98.14
		For Hypalon Tube And Cover, Add	*23.57*	
		For Viton Tube And Cover, Add	*1,178.29*	
23 05 16 00-0394	EA	3" Teflon Lined Expansion Joint (Mercer 701)	1,697.04	194.86
		For Hypalon Tube And Cover, Add	*26.14*	
		For Viton Tube And Cover, Add	*1,307.22*	
23 05 16 00-0395	EA	4" Teflon Lined Expansion Joint (Mercer 701)	2,082.63	249.78
		For Hypalon Tube And Cover, Add	*31.66*	
		For Viton Tube And Cover, Add	*1,583.05*	
23 05 16 00-0396	EA	5" Teflon Lined Expansion Joint (Mercer 701)	2,478.00	272.03
		For Hypalon Tube And Cover, Add	*38.68*	
		For Viton Tube And Cover, Add	*1,933.84*	
23 05 16 00-0397	EA	6" Teflon Lined Expansion Joint (Mercer 701)	2,611.52	259.38
		For Hypalon Tube And Cover, Add	*41.85*	
		For Viton Tube And Cover, Add	*2,092.74*	
23 05 16 00-0398	EA	8" Teflon Lined Expansion Joint (Mercer 701)	3,134.88	296.22
		For Hypalon Tube And Cover, Add	*50.85*	
		For Viton Tube And Cover, Add	*2,542.47*	
23 05 16 00-0399	EA	10" Teflon Lined Expansion Joint (Mercer 701)	3,952.18	352.56
		For Hypalon Tube And Cover, Add	*64.94*	
		For Viton Tube And Cover, Add	*3,247.05*	
23 05 16 00-0400	EA	12" Teflon Lined Expansion Joint (Mercer 701)	5,054.06	441.79
		For Hypalon Tube And Cover, Add	*83.41*	
		For Viton Tube And Cover, Add	*4,170.50*	
23 05 16 00-0401	EA	14" Teflon Lined Expansion Joint (Mercer 701)	5,681.78	448.33
		For Hypalon Tube And Cover, Add	*95.70*	
		For Viton Tube And Cover, Add	*4,785.13*	
23 05 16 00-0402	EA	16" Teflon Lined Expansion Joint (Mercer 701)	7,053.81	558.72
		For Hypalon Tube And Cover, Add	*118.73*	
		For Viton Tube And Cover, Add	*5,936.44*	
23 05 16 00-0403	EA	18" Teflon Lined Expansion Joint (Mercer 701)	7,856.78	634.88
		For Hypalon Tube And Cover, Add	*131.74*	
		For Viton Tube And Cover, Add	*6,587.05*	
23 05 16 00-0404	EA	20" Teflon Lined Expansion Joint (Mercer 701)	9,198.43	712.07
		For Hypalon Tube And Cover, Add	*155.49*	
		For Viton Tube And Cover, Add	*7,774.33*	
23 05 16 00-0405	EA	24" Teflon Lined Expansion Joint (Mercer 701)	12,026.14	877.15
		For Hypalon Tube And Cover, Add	*205.44*	
		For Viton Tube And Cover, Add	*10,271.83*	

23 05 16 00-0406 Accessories For Mercer Rubber, Series 451 And 501 *(23 05 16 00-0091)*

23 05 16 00-0407 Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints *(23 05 16 00-0406)*

23 05 16 00-0408	EA	1-1/2" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	45.57
23 05 16 00-0409	EA	2" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	57.57
23 05 16 00-0410	EA	2-1/2" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	64.76
23 05 16 00-0411	EA	3" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	69.56
23 05 16 00-0412	EA	4" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	103.14
23 05 16 00-0413	EA	5" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	127.12
23 05 16 00-0414	EA	6" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	139.12
23 05 16 00-0415	EA	8" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	153.51
23 05 16 00-0416	EA	10" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	196.68
23 05 16 00-0417	EA	12" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	232.66
23 05 16 00-0418	EA	14" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	311.81
23 05 16 00-0419	EA	16" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	335.80
23 05 16 00-0420	EA	18" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	359.78
23 05 16 00-0421	EA	20" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	395.76
23 05 16 00-0422	EA	24" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	491.70
23 05 16 00-0423	EA	30" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	611.63
23 05 16 00-0424	EA	36" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	743.55
23 05 16 00-0425	EA	42" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	1,055.37
23 05 16 00-0426	EA	48" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	1,259.24

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0427		Control Rods For Mercer 451 And 501 Expansion Joints *(23 05 16 00-0406)*		
23 05 16 00-0428	SET	1-1/2" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2	173.27	
23 05 16 00-0429	SET	2" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2	219.14	
23 05 16 00-0430	SET	2-1/2" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2	254.81	
23 05 16 00-0431	SET	3" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2	305.77	
23 05 16 00-0432	SET	4" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2	305.77	
23 05 16 00-0433	SET	5" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2	331.26	
23 05 16 00-0434	SET	6" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2	382.22	
23 05 16 00-0435	SET	8" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2	560.59	
23 05 16 00-0436	SET	10" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 3	1,095.69	
23 05 16 00-0437	SET	12" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 3	1,503.39	
23 05 16 00-0438	SET	14" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 4	2,242.35	
23 05 16 00-0439	SET	16" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 4	2,522.64	
23 05 16 00-0440	SET	18" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 5	3,363.52	
23 05 16 00-0441	SET	20" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 5	3,592.85	
23 05 16 00-0442	SET	24" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 5	4,051.51	
23 05 16 00-0443	SET	30" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 5	5,937.12	
23 05 16 00-0444	SET	36" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 5	8,740.05	
23 05 16 00-0445	SET	42" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 3	5,911.64	
23 05 16 00-0446	SET	48" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 4	7,771.77	
23 05 16 00-0447	SET	60" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 4	12,129.05	

23 05 17 Sleeves and Sleeve Seals for HVAC Piping *(23 05)*

23 05 17 00-0001 Wall Seals And Sleeves *(23 05 17)*

Note: Up to 12" walls. Excludes drilling hole.

23 05 17 00-0002 Ductile Iron Wall Sleeve *(23 05 17 00-0001)*

Note: Includes rubber gasket seal.

23 05 17 00-0003	EA	3" Ductile Iron Wall Sleeve With Rubber Gasket Seal	172.10	51.31
23 05 17 00-0004	EA	4" Ductile Iron Wall Sleeve With Rubber Gasket Seal	225.43	59.93
23 05 17 00-0005	EA	6" Ductile Iron Wall Sleeve With Rubber Gasket Seal	280.72	71.90
23 05 17 00-0006	EA	8" Ductile Iron Wall Sleeve With Rubber Gasket Seal	376.80	107.79
23 05 17 00-0007	EA	10" Ductile Iron Wall Sleeve With Rubber Gasket Seal	465.28	143.68
23 05 17 00-0008	EA	12" Ductile Iron Wall Sleeve With Rubber Gasket Seal	564.21	179.69

23 05 17 00-0009 Steel Pipe Sleeves *(23 05 17 00-0001)*

Note: Includes link seals 12" length.

23 05 17 00-0010	EA	2" Steel Pipe Sleeve With Link Seals	154.20	52.18
23 05 17 00-0011	EA	2-1/2" Steel Pipe Sleeve With Link Seals	194.45	56.57
23 05 17 00-0012	EA	3" Steel Pipe Sleeve With Link Seals	232.35	60.95
23 05 17 00-0013	EA	4" Steel Pipe Sleeve With Link Seals	289.57	73.12
23 05 17 00-0014	EA	6" Steel Pipe Sleeve With Link Seals	427.83	91.31
23 05 17 00-0015	EA	10" Steel Pipe Sleeve With Link Seals	900.44	109.62
23 05 17 00-0016	EA	13-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals	1,074.22	137.02
23 05 17 00-0017	EA	17-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals	1,460.28	168.59
23 05 17 00-0018	EA	23-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals	2,043.96	219.24
23 05 17 00-0019	EA	29-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals	2,988.27	274.05

23 05 17 00-0020 Stainless Steel Modular Seals (LINK-SEAL® Model S) *(23 05 17 00-0001)*

23 05 17 00-0021	EA	2" Diameter, Stainless Steel Modular Seals (LINK-SEAL® Model S)	351.74	
23 05 17 00-0022	EA	2-1/2" Diameter, Stainless Steel Modular Seals (LINK-SEAL® Model S)	443.04	
23 05 17 00-0023	EA	3" Diameter, Stainless Steel Modular Seals (LINK-SEAL® Model S)	493.08	
23 05 17 00-0024	EA	4" Diameter, Stainless Steel Modular Seals (LINK-SEAL® Model S)	558.46	
23 05 17 00-0025	EA	6" Diameter, Stainless Steel Modular Seals (LINK-SEAL® Model S)	635.90	
23 05 17 00-0026	EA	8" Diameter, Stainless Steel Modular Seals (LINK-SEAL® Model S)	698.00	
23 05 17 00-0027	EA	10" Diameter, Stainless Steel Modular Seals (LINK-SEAL® Model S)	838.24	
23 05 17 00-0028	EA	12" Diameter, Stainless Steel Modular Seals (LINK-SEAL® Model S)	953.66	
23 05 17 00-0029	EA	14" Diameter, Stainless Steel Modular Seals (LINK-SEAL® Model S)	1,033.30	
23 05 17 00-0030	EA	16" Diameter, Stainless Steel Modular Seals (LINK-SEAL® Model S)	1,184.50	
23 05 17 00-0031	EA	18" Diameter, Stainless Steel Modular Seals (LINK-SEAL® Model S)	1,299.92	
23 05 17 00-0032	EA	20" Diameter, Stainless Steel Modular Seals (LINK-SEAL® Model S)	1,426.30	
23 05 17 00-0033	EA	24" Diameter, Stainless Steel Modular Seals (LINK-SEAL® Model S)	1,676.48	

23 05 19 Meters and Gages for HVAC Piping *(23 05)*

See CSI section 33 19 00 00-0000 for water utility service metering.

23 05 19 00-0001 Thermometers *(23 05 19)*

23 05 19 00-0002 Dial Type, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometers *(23 05 19 00-0001)*

Note: Various ranges.

23 05 19 00-0003	EA	2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer	113.40	37.47
23 05 19 00-0004	EA	2-1/2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer	132.64	37.47
23 05 19 00-0005	EA	3-1/2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer	132.64	37.47

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0006		**Liquid Filled Industrial Union Connection Type Thermometers** *(23 05 19 00-0001)* Note: Various ranges.		
23 05 19 00-0007	EA	7" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer	151.88	37.47
23 05 19 00-0008	EA	9" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer	151.88	37.47
23 05 19 00-0009	EA	12" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer	192.10	37.47
23 05 19 00-0010	EA	7" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer	157.13	37.47
23 05 19 00-0011	EA	9" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer	165.87	37.47
23 05 19 00-0012	EA	12" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer	197.35	37.47
23 05 19 00-0013		**Liquid Filled Industrial Separable Socket Type Thermometers** *(23 05 19 00-0001)* Note: Various ranges. Socket connection for thermowell.		
23 05 19 00-0014	EA	7" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer	151.88	37.47
23 05 19 00-0015	EA	9" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer	151.88	37.47
23 05 19 00-0016	EA	12" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer	192.10	37.47
23 05 19 00-0017	EA	7" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer	174.61	37.47
23 05 19 00-0018	EA	9" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer	192.10	37.47
23 05 19 00-0019	EA	12" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer	196.56	37.47
23 05 19 00-0020		**1" NPT, 304 Stainless Steel Thermowells** *(23 05 19 00-0001)*		
23 05 19 00-0021	EA	4" Long, 1" NPT, 304 Stainless Steel Thermowell	191.95	70.26
23 05 19 00-0022	EA	8" Long, 1" NPT, 304 Stainless Steel Thermowell	191.86	70.26
23 05 19 00-0023		**Pressure Gauges** *(23 05 19)*		
23 05 19 00-0024		**Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges** *(23 05 19 00-0023)*		
23 05 19 00-0025	EA	2" Diameter Dial, Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	40.47	14.63
23 05 19 00-0026	EA	4" Diameter Dial, Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	50.79	14.63
23 05 19 00-0027		**Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges** *(23 05 19 00-0023)*		
23 05 19 00-0028	EA	3-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	317.87	14.63
23 05 19 00-0029	EA	4-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	317.87	14.63
23 05 19 00-0030	EA	6" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	415.88	14.63
23 05 19 00-0031	EA	8-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	993.07	14.63
23 05 19 00-0032		**Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges** *(23 05 19 00-0023)* Note: Liquid filled.		
23 05 19 00-0033	EA	2-1/2" Diameter Dial, Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	150.27	14.63
23 05 19 00-0034	EA	4" Diameter Dial, Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	343.75	14.63
23 05 19 00-0035		**Steel Case, 0 To 10K PSI High Pressure, Pressure Gauges** *(23 05 19 00-0023)*		
23 05 19 00-0036	EA	4-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge	342.33	14.63
23 05 19 00-0037	EA	6-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge	342.33	14.63
23 05 19 00-0038	EA	8-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge	342.33	14.63
23 05 19 00-0039		**Gauge Accessories** *(23 05 19 00-0023)*		
23 05 19 00-0040	EA	Pete's Plug (Valve Cock For Removable Pressure Gauge Or Thermometer)	97.03	11.71
23 05 19 00-0041	EA	1/4" Snubber Valve	58.31	11.71
23 05 19 00-0042	EA	1/4" Female Pipe Thread, Brass Gauge Cock	36.44	17.57
23 05 19 00-0043	EA	1/4" Male Pipe Thread, Brass Gauge Cock	31.04	17.57
23 05 19 00-0044	EA	1/4" Pressure Pigtail Steam Siphon	40.92	17.57
23 05 19 00-0045	EA	1/4" x 3" Long Black Steel Nipple	7.97	5.85
23 05 19 00-0046	EA	1/4" Steel Thread-O-Let	67.39	29.28
23 05 19 00-0047	EA	1/4", 300 Lb., Black Steel Union	64.54	11.71
23 05 19 00-0048	EA	1/4" Black Steel Coupling	24.94	11.71
23 05 19 00-0049	EA	1/4", 300 Lb., Black Steel Plug	14.40	7.03
23 05 19 00-0050	EA	1/4", 150 Lb., Black Steel Cap	14.91	7.03
23 05 19 00-0051	LF	1/4" Schedule 40, Threaded And Coupled, Black Steel Pipe	10.03	3.87
23 05 19 00-0052	LF	1/4" Schedule 80, Plain End, Black Steel Pipe	9.51	3.87
23 05 19 00-0053	LF	1/4" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe	9.37	
23 05 19 00-0054	EA	1/4" Threaded, 800 Lb., Forged Steel, Ball Valve	119.32	
23 05 19 00-0055		**Valve Lock Covers** *(23 05 19)*		
23 05 19 00-0056	EA	Valve Lock Cover	90.00	17.92
23 05 19 00-0057		**Sight Flow Indicator** *(23 05 19)*		
23 05 19 00-0058		**Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator** *(23 05 19 00-0057)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0059	EA	1/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	176.77	17.05
23 05 19 00-0060	EA	3/8" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	184.60	17.94
23 05 19 00-0061	EA	1/2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	199.79	18.85
23 05 19 00-0062	EA	3/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	222.59	25.40
23 05 19 00-0063	EA	1" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	265.96	30.79
23 05 19 00-0064	EA	1-1/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	300.52	38.98
23 05 19 00-0065	EA	1-1/2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	428.60	45.06
23 05 19 00-0066	EA	2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	473.99	53.26
23 05 19 00-0067		**Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator** *(23 05 19 00-0057)*		
23 05 19 00-0068	EA	1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	231.18	17.05
23 05 19 00-0069	EA	3/8" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	237.80	17.94
23 05 19 00-0070	EA	1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	256.62	18.85
23 05 19 00-0071	EA	3/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	270.96	25.40
23 05 19 00-0072	EA	1" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	286.51	30.79
23 05 19 00-0073	EA	1-1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	308.99	38.98
23 05 19 00-0074	EA	1-1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	593.05	45.06
23 05 19 00-0075	EA	2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	633.60	53.26
23 05 19 00-0076		**Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator** *(23 05 19 00-0057)*		
23 05 19 00-0077	EA	1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	336.38	17.05
23 05 19 00-0078	EA	3/8" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	355.09	17.94
23 05 19 00-0079	EA	1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	386.00	18.85
23 05 19 00-0080	EA	3/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	418.47	25.40
23 05 19 00-0081	EA	1" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	479.98	30.79
23 05 19 00-0082	EA	1-1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	506.08	38.98
23 05 19 00-0083	EA	1-1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	1,028.34	45.06
23 05 19 00-0084	EA	2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	1,080.98	53.26
23 05 19 00-0085		**Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicators** *(23 05 19 00-0057)*		
23 05 19 00-0086	EA	1/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	227.55	17.05
23 05 19 00-0087	EA	3/8" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	236.59	17.94
23 05 19 00-0088	EA	1/2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	250.57	18.85
23 05 19 00-0089	EA	3/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	269.75	25.40
23 05 19 00-0090	EA	1" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	285.30	30.79
23 05 19 00-0091	EA	1-1/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	308.99	38.98
23 05 19 00-0092	EA	1-1/2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	585.79	45.06
23 05 19 00-0093	EA	2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	623.93	53.26
23 05 19 00-0094		**Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicators** *(23 05 19 00-0057)*		
23 05 19 00-0095	EA	1/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	333.96	17.05
23 05 19 00-0096	EA	3/8" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	359.92	17.94
23 05 19 00-0097	EA	1/2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	393.25	18.85
23 05 19 00-0098	EA	3/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	418.47	25.40
23 05 19 00-0099	EA	1" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	479.98	30.79
23 05 19 00-0100	EA	1-1/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	510.92	38.98
23 05 19 00-0101	EA	1-1/2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	1,028.34	45.06
23 05 19 00-0102	EA	2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	1,080.98	53.26

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0103		**Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicators** *(23 05 19 00-0057)*		
23 05 19 00-0104	EA	1" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	489.65	30.79
23 05 19 00-0105	EA	1-1/4" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	549.61	38.98
23 05 19 00-0106	EA	1-1/2" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	624.48	45.06
23 05 19 00-0107	EA	2" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	701.31	53.26
23 05 19 00-0108		**Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicators** *(23 05 19 00-0057)*		
23 05 19 00-0109	EA	1-1/2" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	1,076.00	122.91
23 05 19 00-0110	EA	2" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	1,199.29	156.04
23 05 19 00-0111	EA	3" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	1,772.82	183.25
23 05 19 00-0112	EA	4" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	2,670.87	307.20
23 05 19 00-0113	EA	6" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	4,351.45	380.02
23 05 19 00-0114		**Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicators** *(23 05 19 00-0057)*		
23 05 19 00-0115	EA	1" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	826.25	87.79
23 05 19 00-0116	EA	1-1/4" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	976.05	102.42
23 05 19 00-0117	EA	1-1/2" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	1,051.21	122.91
23 05 19 00-0118	EA	2" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	1,317.18	156.04
23 05 19 00-0119	EA	3" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	1,917.31	183.25
23 05 19 00-0120	EA	4" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	2,827.45	307.20
23 05 19 00-0121		**Venturi Flowmeters** *(23 05 19)*		
23 05 19 00-0122		**Threaded, Brass, Venturi Flowmeters** *(23 05 19 00-0121)*		
23 05 19 00-0123	EA	3/4" Threaded, Brass, Venturi Flowmeter	324.31	79.63
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0124	EA	1" Threaded, Brass, Venturi Flowmeter	357.35	95.55
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0125	EA	1-1/4" Threaded, Brass, Venturi Flowmeter	394.05	106.21
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0126	EA	1-1/2" Threaded, Brass, Venturi Flowmeter	444.16	119.45
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0127	EA	2" Threaded, Brass, Venturi Flowmeter	529.36	136.54
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0128	EA	2-1/2" Threaded, Brass, Venturi Flowmeter	725.36	190.90
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0129		**Butt Weld, Carbon Steel, Venturi Flowmeters** *(23 05 19 00-0121)*		
23 05 19 00-0130	EA	3" Butt Weld, Carbon Steel, Venturi Flowmeter	1,865.28	164.43
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*537.75*	
23 05 19 00-0131	EA	4" Butt Weld, Carbon Steel, Venturi Flowmeter	2,596.84	197.32
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*770.77*	
23 05 19 00-0132	EA	5" Butt Weld, Carbon Steel, Venturi Flowmeter	3,412.49	246.64
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*1,021.72*	
23 05 19 00-0133	EA	6" Butt Weld, Carbon Steel, Venturi Flowmeter	4,037.85	328.86
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*1,183.05*	
23 05 19 00-0134	EA	8" Butt Weld, Carbon Steel, Venturi Flowmeter	5,961.88	394.63
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*1,810.42*	
23 05 19 00-0135	EA	10" Butt Weld, Carbon Steel, Venturi Flowmeter	9,846.61	493.29
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*3,101.01*	
23 05 19 00-0136	EA	12" Butt Weld, Carbon Steel, Venturi Flowmeter	14,835.36	708.64
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*4,696.33*	
23 05 19 00-0137	EA	14" Butt Weld, Carbon Steel, Venturi Flowmeter	20,767.85	1,062.97
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*6,524.67*	
23 05 19 00-0138	EA	16" Butt Weld, Carbon Steel, Venturi Flowmeter	31,298.08	1,181.07
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*10,127.58*	
23 05 19 00-0139		**Turbine Flowmeter** *(23 05 19)*		
23 05 19 00-0140	EA	Saddle Mount Turbine Flowmeter	1,337.04	87.83
23 05 19 00-0141		**Water Flow Switches** *(23 05 19)*		
23 05 19 00-0142	EA	Flexible Paddle, Single Switch, Brass Body, Water Flow Switch (Taco IFS01BF-1)	300.10	34.51
23 05 19 00-0143	EA	Rigid Paddle, Single Switch, Brass Body, Water Flow Switch (Taco IFS01BR-1)	311.16	34.51

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0144	EA	Flexible Paddle, Double Switch, Brass Body, Water Flow Switch (Taco IFS02BF-1)	404.55	34.51
23 05 19 00-0145	EA	Rigid Paddle, Double Switch, Brass Body, Water Flow Switch (Taco IFS02BR-1)	418.69	34.51
23 05 19 00-0146	EA	Flexible Paddle, High Current Single Switch, Brass Body, Water Flow Switch (Taco IFSH1BF-1)	325.30	34.51
23 05 19 00-0147	EA	Rigid Paddle, High Current Single Switch, Brass Body, Water Flow Switch (Taco IFSH1BR-1)	338.19	34.51
23 05 19 00-0148	EA	Flexible Paddle, High Current Double Switch, Brass Body, Water Flow Switch (Taco IFSH2BF-1)	429.75	34.51
23 05 19 00-0149	EA	Rigid Paddle, High Current Double Switch, Brass Body, Water Flow Switch (Taco IFSH2BR-1)	442.65	34.51
23 05 19 00-0150	EA	Flexible Paddle, Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS01SF-1)	857.96	34.51
23 05 19 00-0151	EA	Rigid Paddle, Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS01SR-1)	870.45	34.51
23 05 19 00-0152	EA	Flexible Paddle, Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS02SF-1)	989.17	34.51
23 05 19 00-0153	EA	Rigid Paddle, Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS02SR-1)	1,006.36	34.51
23 05 19 00-0154	EA	Flexible Paddle, High Current Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH1SF-1)	887.64	34.51
23 05 19 00-0155	EA	Rigid Paddle, High Current Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH1SR-1)	904.82	34.51
23 05 19 00-0156	EA	Flexible Paddle, High Current Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH2SF-1)	1,018.85	34.51
23 05 19 00-0157	EA	Rigid Paddle, High Current Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH2SR-1)	1,037.60	34.51

23 05 19 00-0158 Magnetic Flow Meter *(23 05 19)*

23 05 19 00-0159	EA	6" Magnetic Flow Meter, Flanged, Stainless Steel, NEMA 4X Housing (FOXBORO 9306A-SIBA-PSJ-GM and IMT25-SEATB11M-AB) Note: Includes flow tube, transmitter, and 100' signal cable (R0101ZS)	25,759.25	

23 05 19 00-0160 Sight Glass *(23 05 19)*

23 05 19 00-0161 In-Line, 316L Stainless Steel Body, Sight Glass With Clamp *(23 05 19 00-0160)*

23 05 19 00-0162	EA	1" In-Line, 316 L Stainless Steel Body, Borosilicate Glass, Sight Glass With Clamp (Dixon B54BMP-R100)	552.34	30.79
23 05 19 00-0163	EA	1-1/2" In-Line, 316 L Stainless Steel Body, Borosilicate Glass, Sight Glass With Clamp (Dixon B54BMP-R150)	642.01	45.06
23 05 19 00-0164	EA	2" In-Line, 316 L Stainless Steel Body, Borosilicate Glass, Sight Glass With Clamp (Dixon B54BMP-R200)	691.27	53.26
23 05 19 00-0165	EA	2-1/2" In-Line, 316 L Stainless Steel Body, Borosilicate Glass, Sight Glass With Clamp (Dixon B54BMP-R250)	875.55	63.44
23 05 19 00-0166	EA	3" In-Line, 316 L Stainless Steel Body, Borosilicate Glass, Sight Glass With Clamp (Dixon B54BMP-R250)	1,313.19	65.21
23 05 19 00-0167	EA	4" In-Line, 316 L Stainless Steel Body, Borosilicate Glass, Sight Glass With Clamp (Dixon B54BMP-R400)	1,594.05	96.21

23 05 23 General-Duty Valves For HVAC Piping *(23 05)*

Note: Flanged valves exclude bolt and gasket sets. See CSI section 22 05 23 00-0000 for additonal valves, 23 21 13 23-0713 for bolt and gasket sets.

23 05 23 00-0001 Gate Valves *(23 05 23)*

23 05 23 00-0002 Class 125 Threaded, Bronze Gate Valves *(23 05 23 00-0001)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure.

23 05 23 00-0003	EA	1/4" Diameter, 125 Lb., Threaded Bronze Gate Valve	67.60	11.71
		For 150 Lb. Rating, Add	*3.35*	
		For 200 Lb. Rating, Add	*5.03*	
		For 250 Lb. Rating, Add	*8.38*	
		For 300 Lb. Rating, Add	*11.73*	
		For Work In Restricted Working Space, Add	*10.23*	
23 05 23 00-0004	EA	3/8" Diameter, 125 Lb., Threaded Bronze Gate Valve	69.38	11.71
		For 150 Lb. Rating, Add	*3.35*	
		For 200 Lb. Rating, Add	*5.03*	
		For 250 Lb. Rating, Add	*8.38*	
		For 300 Lb. Rating, Add	*11.73*	
		For Work In Restricted Working Space, Add	*10.76*	
23 05 23 00-0005	EA	1/2" Diameter, 125 Lb., Threaded Bronze Gate Valve	71.27	11.71
		For 150 Lb. Rating, Add	*3.35*	
		For 200 Lb. Rating, Add	*5.03*	
		For 250 Lb. Rating, Add	*8.38*	
		For 300 Lb. Rating, Add	*11.73*	
		For Work In Restricted Working Space, Add	*11.33*	
23 05 23 00-0006	EA	3/4" Diameter, 125 Lb., Threaded Bronze Gate Valve	90.87	12.88
		For 150 Lb. Rating, Add	*4.00*	
		For 200 Lb. Rating, Add	*6.00*	
		For 250 Lb. Rating, Add	*10.00*	
		For 300 Lb. Rating, Add	*13.99*	
		For Work In Restricted Working Space, Add	*15.27*	
23 05 23 00-0007	EA	1" Diameter, 125 Lb., Threaded Bronze Gate Valve	122.00	14.63
		For 150 Lb. Rating, Add	*6.04*	
		For 200 Lb. Rating, Add	*9.06*	
		For 250 Lb. Rating, Add	*15.10*	
		For 300 Lb. Rating, Add	*21.14*	
		For Work In Restricted Working Space, Add	*18.48*	
23 05 23 00-0008	EA	1-1/4" Diameter, 125 Lb., Threaded Bronze Gate Valve	159.47	15.57
		For 150 Lb. Rating, Add	*8.14*	
		For 200 Lb. Rating, Add	*12.21*	
		For 250 Lb. Rating, Add	*20.36*	
		For 300 Lb. Rating, Add	*28.50*	
		For Work In Restricted Working Space, Add	*23.41*	
23 05 23 00-0009	EA	1-1/2" Diameter, 125 Lb., Threaded Bronze Gate Valve	192.65	18.02
		For 150 Lb. Rating, Add	*10.26*	
		For 200 Lb. Rating, Add	*15.39*	
		For 250 Lb. Rating, Add	*25.65*	
		For 300 Lb. Rating, Add	*35.91*	
		For Work In Restricted Working Space, Add	*27.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0010	EA	2" Diameter, 125 Lb., Threaded Bronze Gate Valve	246.61	21.30
		For 150 Lb. Rating, Add	*14.02*	
		For 200 Lb. Rating, Add	*21.03*	
		For 250 Lb. Rating, Add	*35.05*	
		For 300 Lb. Rating, Add	*49.07*	
		For Work In Restricted Working Space, Add	*31.92*	
23 05 23 00-0011	EA	2-1/2" Diameter, 125 Lb., Threaded Bronze Gate Valve	543.58	28.78
		For Chain Operated Type, Add	*179.94*	
		For 150 Lb. Rating, Add	*39.99*	
		For 200 Lb. Rating, Add	*59.98*	
		For 250 Lb. Rating, Add	*99.97*	
		For 300 Lb. Rating, Add	*139.95*	
		For Work In Restricted Working Space, Add	*43.12*	
23 05 23 00-0012	EA	3" Diameter, 125 Lb., Threaded Bronze Gate Valve	643.81	33.41
		For Chain Operated Type, Add	*215.09*	
		For 150 Lb. Rating, Add	*47.80*	
		For 200 Lb. Rating, Add	*71.70*	
		For 250 Lb. Rating, Add	*119.50*	
		For 300 Lb. Rating, Add	*167.29*	
		For Work In Restricted Working Space, Add	*49.75*	
23 05 23 00-0013	EA	4" Diameter, 125 Lb., Threaded Bronze Gate Valve	1,327.31	37.72
		For Chain Operated Type, Add	*512.41*	
		For 150 Lb. Rating, Add	*113.87*	
		For 200 Lb. Rating, Add	*170.80*	
		For 250 Lb. Rating, Add	*284.67*	
		For 300 Lb. Rating, Add	*398.54*	
		For Work In Restricted Working Space, Add	*56.59*	

23 05 23 00-0014 Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valves *(23 05 23 00-0001)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure.

23 05 23 00-0015	EA	1-1/2" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	287.95	18.02
		For 150 Lb. Rating, Add	*39.58*	
		For 250 Lb. Rating, Add	*69.27*	
		For Chain Operated Type, Add	*69.27*	
		For Work In Restricted Working Space, Add	*27.01*	
23 05 23 00-0016	EA	2" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	440.83	21.30
		For 150 Lb. Rating, Add	*66.88*	
		For 250 Lb. Rating, Add	*117.05*	
		For Chain Operated Type, Add	*117.05*	
		For Work In Restricted Working Space, Add	*31.92*	
23 05 23 00-0017	EA	2-1/2" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	646.69	28.78
		For 150 Lb. Rating, Add	*100.59*	
		For 250 Lb. Rating, Add	*176.04*	
		For Chain Operated Type, Add	*176.04*	
		For Work In Restricted Working Space, Add	*43.12*	
23 05 23 00-0018	EA	3" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	825.75	33.41
		For 150 Lb. Rating, Add	*131.98*	
		For 250 Lb. Rating, Add	*230.97*	
		For Chain Operated Type, Add	*230.97*	
		For Work In Restricted Working Space, Add	*49.75*	
23 05 23 00-0019	EA	4" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	1,965.07	37.72
		For 150 Lb. Rating, Add	*355.29*	
		For 250 Lb. Rating, Add	*621.75*	
		For Chain Operated Type, Add	*621.75*	
		For Work In Restricted Working Space, Add	*56.59*	

23 05 23 00-0020 Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valves *(23 05 23 00-0001)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure.

23 05 23 00-0021	EA	1-1/2" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	761.97	122.91
		For 150 Lb. Rating, Add	*176.31*	
		For 250 Lb. Rating, Add	*303.98*	
		For 300 Lb. Rating, ASTM A182, Add	*684.96*	
		For Chain Operated Type, Add	*303.98*	
		For Work In Restricted Working Space, Add	*46.21*	
23 05 23 00-0022	EA	2" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	830.91	156.04
		For 150 Lb. Rating, Add	*184.39*	
		For 250 Lb. Rating, Add	*317.91*	
		For 300 Lb. Rating, ASTM A182, Add	*733.37*	
		For Chain Operated Type, Add	*317.91*	
		For Work In Restricted Working Space, Add	*58.53*	
23 05 23 00-0023	EA	2-1/2" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	958.84	156.29
		For 150 Lb. Rating, Add	*221.23*	
		For 250 Lb. Rating, Add	*381.43*	
		For 300 Lb. Rating, ASTM A182, Add	*860.85*	
		For Chain Operated Type, Add	*381.43*	
		For Work In Restricted Working Space, Add	*58.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0024	EA	3" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,182.87	183.25
		For 150 Lb. Rating, Add	*276.52*	
		For 250 Lb. Rating, Add	*476.77*	
		For 300 Lb. Rating, ASTM A182, Add	*1,068.20*	
		For Chain Operated Type, Add	*476.77*	
		For Work In Restricted Working Space, Add	*68.80*	
23 05 23 00-0025	EA	4" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,656.41	307.20
		For 150 Lb. Rating, Add	*368.72*	
		For 250 Lb. Rating, Add	*635.72*	
		For 300 Lb. Rating, ASTM A182, Add	*1,463.93*	
		For Chain Operated Type, Add	*635.72*	
		For Work In Restricted Working Space, Add	*115.49*	
23 05 23 00-0026	EA	5" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	2,079.58	342.01
		For 150 Lb. Rating, Add	*479.29*	
		For 250 Lb. Rating, Add	*826.36*	
		For 300 Lb. Rating, ASTM A182, Add	*1,866.15*	
		For Chain Operated Type, Add	*826.36*	
		For Work In Restricted Working Space, Add	*128.06*	
23 05 23 00-0027	EA	6" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	2,510.62	380.02
		For 150 Lb. Rating, Add	*589.83*	
		For 250 Lb. Rating, Add	*1,016.95*	
		For 300 Lb. Rating, ASTM A182, Add	*2,272.26*	
		For Chain Operated Type, Add	*1,016.95*	
		For Work In Restricted Working Space, Add	*143.02*	
23 05 23 00-0028	EA	8" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	3,972.36	485.58
		For 150 Lb. Rating, Add	*977.06*	
		For 250 Lb. Rating, Add	*1,684.58*	
		For 300 Lb. Rating, ASTM A182, Add	*3,670.76*	
		For Chain Operated Type, Add	*1,684.58*	
		For Work In Restricted Working Space, Add	*180.96*	
23 05 23 00-0029	EA	10" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	5,188.45	591.14
		For 150 Lb. Rating, Add	*1,290.36*	
		For 250 Lb. Rating, Add	*2,224.77*	
		For 300 Lb. Rating, ASTM A182, Add	*4,818.99*	
		For Chain Operated Type, Add	*2,224.77*	
		For Work In Restricted Working Space, Add	*221.68*	
23 05 23 00-0030	EA	12" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	7,252.45	717.80
		For 150 Lb. Rating, Add	*1,843.47*	
		For 250 Lb. Rating, Add	*3,178.40*	
		For 300 Lb. Rating, ASTM A182, Add	*6,804.62*	
		For Chain Operated Type, Add	*3,178.40*	
		For Work In Restricted Working Space, Add	*268.70*	

23 05 23 00-0031 Class 125 Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valves *(23 05 23 00-0001)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure.

23 05 23 00-0032	EA	1-1/2" Diameter, 125 Lb. Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	575.17	18.02
		For 175 Lb. Rating, Add	*242.57*	
		For 250 Lb. Rating, Add	*363.85*	
		For Work In Restricted Working Space, Add	*27.01*	
23 05 23 00-0033	EA	2" Diameter, 125 Lb. Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	733.56	21.30
		For 175 Lb. Rating, Add	*313.58*	
		For 250 Lb. Rating, Add	*470.36*	
		For Work In Restricted Working Space, Add	*31.92*	
23 05 23 00-0034	EA	2-1/2" Diameter, 125 Lb. Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	850.91	28.78
		For 175 Lb. Rating, Add	*353.60*	
		For 250 Lb. Rating, Add	*530.39*	
		For Work In Restricted Working Space, Add	*43.12*	
23 05 23 00-0035	EA	3" Diameter, 125 Lb. Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	946.14	33.41
		For 175 Lb. Rating, Add	*390.16*	
		For 250 Lb. Rating, Add	*585.23*	
		For Work In Restricted Working Space, Add	*49.75*	
23 05 23 00-0036	EA	4" Diameter, 125 Lb. Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	1,266.13	37.72
		For 175 Lb. Rating, Add	*538.75*	
		For 250 Lb. Rating, Add	*808.13*	
		For Work In Restricted Working Space, Add	*56.59*	

23 05 23 00-0037 Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valves *(23 05 23 00-0001)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure for up to 12". 100 psi steam, basic rating. 150 psi cold working pressure for >12" to 24". 50 psi steam, basic rating. 150 psi cold working pressure for >24".

23 05 23 00-0038	EA	1-1/2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,030.42	122.91
		For 150 Lb. Rating, Add	*131.46*	
		For 175 Lb. Rating, Add	*271.68*	
		For 250 Lb. Rating, Add	*569.66*	
		For Chain Operated Type, Add	*438.20*	
		For Work In Restricted Working Space, Add	*46.21*	
23 05 23 00-0039	EA	2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,097.53	156.04
		For 150 Lb. Rating, Add	*135.37*	
		For 175 Lb. Rating, Add	*279.76*	
		For 250 Lb. Rating, Add	*586.59*	
		For Chain Operated Type, Add	*451.22*	
		For Work In Restricted Working Space, Add	*58.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0040	EA	2-1/2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,127.87	156.29
		For 150 Lb. Rating, Add	*139.78*	
		For 175 Lb. Rating, Add	*288.89*	
		For 250 Lb. Rating, Add	*605.73*	
		For Chain Operated Type, Add	*465.95*	
		For Work In Restricted Working Space, Add	*58.79*	
23 05 23 00-0041	EA	3" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,254.67	183.25
		For 150 Lb. Rating, Add	*153.80*	
		For 175 Lb. Rating, Add	*317.85*	
		For 250 Lb. Rating, Add	*666.46*	
		For Chain Operated Type, Add	*512.67*	
		For Work In Restricted Working Space, Add	*68.80*	
23 05 23 00-0042	EA	4" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,628.43	307.20
		For 150 Lb. Rating, Add	*186.52*	
		For 175 Lb. Rating, Add	*385.47*	
		For 250 Lb. Rating, Add	*808.25*	
		For Chain Operated Type, Add	*621.73*	
		For Work In Restricted Working Space, Add	*115.49*	
23 05 23 00-0043	EA	5" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	2,161.76	342.01
		For 150 Lb. Rating, Add	*260.24*	
		For 175 Lb. Rating, Add	*537.82*	
		For 250 Lb. Rating, Add	*1,127.69*	
		For Chain Operated Type, Add	*867.45*	
		For Work In Restricted Working Space, Add	*128.06*	
23 05 23 00-0044	EA	6" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	2,458.05	380.02
		For 150 Lb. Rating, Add	*297.20*	
		For 175 Lb. Rating, Add	*614.21*	
		For 250 Lb. Rating, Add	*1,287.86*	
		For Chain Operated Type, Add	*990.66*	
		For Work In Restricted Working Space, Add	*143.02*	
23 05 23 00-0045	EA	8" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	3,954.15	485.58
		For 150 Lb. Rating, Add	*502.64*	
		For 175 Lb. Rating, Add	*1,038.79*	
		For 250 Lb. Rating, Add	*2,178.12*	
		For Chain Operated Type, Add	*1,675.48*	
		For Work In Restricted Working Space, Add	*180.96*	
23 05 23 00-0046	EA	10" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	5,896.03	591.14
		For 150 Lb. Rating, Add	*773.57*	
		For 175 Lb. Rating, Add	*1,598.70*	
		For 250 Lb. Rating, Add	*3,352.12*	
		For Chain Operated Type, Add	*2,578.56*	
		For Work In Restricted Working Space, Add	*221.68*	
23 05 23 00-0047	EA	12" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	7,431.86	717.80
		For 150 Lb. Rating, Add	*980.43*	
		For 175 Lb. Rating, Add	*2,026.22*	
		For 250 Lb. Rating, Add	*4,248.53*	
		For Chain Operated Type, Add	*3,268.10*	
		For Work In Restricted Working Space, Add	*268.70*	
23 05 23 00-0048	EA	14" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	15,210.19	1,017.44
		For 150 Lb. Rating, Add	*2,090.76*	
		For 175 Lb. Rating, Add	*4,320.90*	
		For 250 Lb. Rating, Add	*9,059.95*	
		For Work In Restricted Working Space, Add	*381.54*	
23 05 23 00-0049	EA	16" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	19,938.46	1,119.19
		For 150 Lb. Rating, Add	*2,780.92*	
		For 175 Lb. Rating, Add	*5,747.24*	
		For 250 Lb. Rating, Add	*12,050.66*	
		For Work In Restricted Working Space, Add	*419.70*	
23 05 23 00-0050	EA	18" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	27,507.19	1,241.28
		For 150 Lb. Rating, Add	*3,893.34*	
		For 175 Lb. Rating, Add	*8,046.23*	
		For 250 Lb. Rating, Add	*16,871.13*	
		For Work In Restricted Working Space, Add	*465.48*	
23 05 23 00-0051	EA	20" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	35,115.08	1,398.99
		For 150 Lb. Rating, Add	*5,004.95*	
		For 175 Lb. Rating, Add	*10,343.57*	
		For 250 Lb. Rating, Add	*21,688.13*	
		For Work In Restricted Working Space, Add	*524.62*	
23 05 23 00-0052	EA	24" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	48,175.76	1,716.94
		For 150 Lb. Rating, Add	*6,904.44*	
		For 175 Lb. Rating, Add	*14,269.18*	
		For 250 Lb. Rating, Add	*29,919.24*	
		For Work In Restricted Working Space, Add	*643.85*	
23 05 23 00-0053	EA	30" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	101,310.36	2,797.97
		For 150 Lb. Rating, Add	*14,671.94*	
		For 175 Lb. Rating, Add	*30,322.00*	
		For 250 Lb. Rating, Add	*63,578.39*	
		For Work In Restricted Working Space, Add	*1,049.24*	
23 05 23 00-0054	EA	36" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	128,943.20	3,730.63
		For 150 Lb. Rating, Add	*18,641.99*	
		For 175 Lb. Rating, Add	*38,526.78*	
		For 250 Lb. Rating, Add	*80,781.95*	
		For Work In Restricted Working Space, Add	*1,398.98*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0055		EA	42" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	150,922.88	4,743.71
			For 150 Lb. Rating, Add	*21,748.99*	
			For 175 Lb. Rating, Add	*44,947.90*	
			For 250 Lb. Rating, Add	*94,245.61*	
			For Work In Restricted Working Space, Add	*1,778.89*	
23 05 23 00-0056		EA	48" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	181,301.65	5,929.64
			For 150 Lb. Rating, Add	*26,083.44*	
			For 175 Lb. Rating, Add	*53,905.78*	
			For 250 Lb. Rating, Add	*113,028.24*	
			For Work In Restricted Working Space, Add	*2,223.62*	
23 05 23 00-0057		EA	54" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	217,561.98	7,115.57
			For 150 Lb. Rating, Add	*31,300.13*	
			For 175 Lb. Rating, Add	*64,686.93*	
			For 250 Lb. Rating, Add	*135,633.89*	
			For Work In Restricted Working Space, Add	*2,668.34*	

23 05 23 00-0058 Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valves *(23 05 23 00-0001)*

Note: 800 PSIG at 850 degrees F.

23 05 23 00-0059		EA	1/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	173.12	11.71
			For Work In Restricted Working Space, Add	*10.23*	
23 05 23 00-0060		EA	1/2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	176.79	11.71
			For Work In Restricted Working Space, Add	*11.33*	
23 05 23 00-0061		EA	3/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	208.58	12.88
			For Work In Restricted Working Space, Add	*15.27*	
23 05 23 00-0062		EA	1" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	253.21	14.63
			For Work In Restricted Working Space, Add	*18.48*	
23 05 23 00-0063		EA	1-1/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	387.17	15.57
			For Work In Restricted Working Space, Add	*23.41*	
23 05 23 00-0064		EA	1-1/2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	457.97	18.02
			For Work In Restricted Working Space, Add	*27.01*	
23 05 23 00-0065		EA	2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	576.08	21.30
			For Work In Restricted Working Space, Add	*31.92*	

23 05 23 00-0066 Ball Valves *(23 05 23)*

See CSI section 23 23 13 00-0000 for refrigeration valves.

23 05 23 00-0067 Wye Strainer, Union With Two Pressure Ports, Ball Valves *(23 05 23 00-0066)*

23 05 23 00-0068		EA	1/2" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve	179.95	11.71
23 05 23 00-0069		EA	3/4" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve	230.70	15.21
23 05 23 00-0070		EA	1" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve	297.55	18.73
23 05 23 00-0071		EA	1-1/4" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve	406.40	25.75
23 05 23 00-0072		EA	1-1/2" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve	508.70	29.96
23 05 23 00-0073		EA	2" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve	672.03	35.12

23 05 23 00-0074 Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valves *(23 05 23 00-0066)*

Note: 125 Lb. WSP.

23 05 23 00-0075		EA	1/2" Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	52.79	11.71
			For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
			For Full Port, Add	*6.76*	
			For Work In Restricted Working Space, Add	*11.33*	
23 05 23 00-0076		EA	3/4" Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	74.00	12.88
			For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
			For Full Port, Add	*10.40*	
			For Work In Restricted Working Space, Add	*15.27*	
23 05 23 00-0077		EA	1" Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	92.80	14.63
			For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
			For Full Port, Add	*14.04*	
			For Work In Restricted Working Space, Add	*18.48*	
23 05 23 00-0078		EA	1-1/4" Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	130.42	15.57
			For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
			For Full Port, Add	*23.57*	
			For Work In Restricted Working Space, Add	*23.41*	
23 05 23 00-0079		EA	1-1/2" Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	156.94	18.02
			For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
			For Full Port, Add	*30.11*	
			For Work In Restricted Working Space, Add	*27.01*	
23 05 23 00-0080		EA	2" Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	190.21	21.30
			For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
			For Full Port, Add	*37.71*	
			For Work In Restricted Working Space, Add	*31.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0081	EA	2-1/2" Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	539.19	28.78
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*177.96*	
		For Work In Restricted Working Space, Add	*43.12*	
23 05 23 00-0082	EA	3" Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	622.12	33.41
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*205.33*	
		For Work In Restricted Working Space, Add	*49.75*	
23 05 23 00-0083	EA	4" Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	810.72	37.72
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*279.94*	
		For Work In Restricted Working Space, Add	*56.59*	

23 05 23 00-0084 Screwed, 150 Lb., Full Port, Carbon Steel Ball Valves *(23 05 23 00-0066)*

23 05 23 00-0085	EA	1/4" Screwed, 150 Lb., Full Port, Carbon Steel Ball Valve	62.85	11.71
		For Work In Restricted Working Space, Add	*10.23*	
23 05 23 00-0086	EA	1/2" Screwed, 150 Lb., Full Port, Carbon Steel Ball Valve	68.98	11.71
		For Work In Restricted Working Space, Add	*11.33*	
23 05 23 00-0087	EA	3/4" Screwed, 150 Lb., Full Port, Carbon Steel Ball Valve	96.04	12.88
		For Work In Restricted Working Space, Add	*15.27*	
23 05 23 00-0088	EA	1" Screwed, 150 Lb., Full Port, Carbon Steel Ball Valve	122.32	14.63
		For Work In Restricted Working Space, Add	*18.48*	
23 05 23 00-0089	EA	1-1/4" Screwed, 150 Lb., Full Port, Carbon Steel Ball Valve	181.80	15.57
		For Work In Restricted Working Space, Add	*23.41*	
23 05 23 00-0090	EA	1-1/2" Screwed, 150 Lb., Full Port, Carbon Steel Ball Valve	221.49	18.02
		For Work In Restricted Working Space, Add	*27.01*	
23 05 23 00-0091	EA	2" Screwed, 150 Lb., Full Port, Carbon Steel Ball Valve	287.41	21.30
		For Work In Restricted Working Space, Add	*31.92*	

23 05 23 00-0092 Flanged, 150 Lb., Full Port, Carbon Steel Ball Valves *(23 05 23 00-0066)*

23 05 23 00-0093	EA	1-1/2" Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	610.48	122.91
		For 150 Lb. Rating, Add	*132.37*	
		For 250 Lb. Rating, Add	*228.23*	
		For 300 Lb. Rating, ASTM A182, Add	*533.47*	
		For Chain Operated Type, Add	*228.23*	
		For Work In Restricted Working Space, Add	*46.21*	
		For Work In Restricted Working Space, Add	*46.21*	
23 05 23 00-0094	EA	2" Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	761.37	156.04
		For 150 Lb. Rating, Add	*164.22*	
		For 250 Lb. Rating, Add	*283.14*	
		For 300 Lb. Rating, ASTM A182, Add	*663.83*	
		For Chain Operated Type, Add	*283.14*	
		For Work In Restricted Working Space, Add	*58.53*	
		For Work In Restricted Working Space, Add	*58.53*	
23 05 23 00-0095	EA	2-1/2" Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	1,230.43	156.29
		For 150 Lb. Rating, Add	*299.99*	
		For 250 Lb. Rating, Add	*517.23*	
		For 300 Lb. Rating, ASTM A182, Add	*1,132.44*	
		For Chain Operated Type, Add	*517.23*	
		For Work In Restricted Working Space, Add	*58.79*	
		For Work In Restricted Working Space, Add	*58.79*	
23 05 23 00-0096	EA	3" Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	1,347.79	183.25
		For 150 Lb. Rating, Add	*324.35*	
		For 250 Lb. Rating, Add	*559.23*	
		For 300 Lb. Rating, ASTM A182, Add	*1,233.12*	
		For Chain Operated Type, Add	*559.23*	
		For Work In Restricted Working Space, Add	*68.80*	
		For Work In Restricted Working Space, Add	*68.80*	
23 05 23 00-0097	EA	4" Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	1,955.94	307.20
		For Work In Restricted Working Space, Add	*115.49*	
23 05 23 00-0098	EA	6" Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	4,736.17	380.02
		For Work In Restricted Working Space, Add	*143.02*	
23 05 23 00-0099	EA	8" Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	8,160.68	485.58
		For Work In Restricted Working Space, Add	*180.96*	

23 05 23 00-0100 Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valves *(23 05 23 00-0066)*

23 05 23 00-0101	EA	1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	45.09	11.71
		For True Union Socket Or Thread Type, Add	*4.91*	
		For Work In Restricted Working Space, Add	*11.33*	
23 05 23 00-0102	EA	3/4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	59.32	12.88
		For True Union Socket Or Thread Type, Add	*6.04*	
		For Work In Restricted Working Space, Add	*15.27*	
23 05 23 00-0103	EA	1" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	73.36	14.63
		For True Union Socket Or Thread Type, Add	*7.93*	
		For Work In Restricted Working Space, Add	*18.48*	
23 05 23 00-0104	EA	1-1/4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	93.47	15.57
		For True Union Socket Or Thread Type, Add	*10.27*	
		For Work In Restricted Working Space, Add	*23.41*	
23 05 23 00-0105	EA	1-1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	116.89	18.02
		For True Union Socket Or Thread Type, Add	*15.47*	
		For Work In Restricted Working Space, Add	*27.01*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0106		EA	2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	140.62	21.30
			For True Union Socket Or Thread Type, Add	*19.27*	
			For Work In Restricted Working Space, Add	*31.92*	
23 05 23 00-0107		EA	2-1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	217.33	28.78
			For True Union Socket Or Thread Type, Add	*36.99*	
			For Work In Restricted Working Space, Add	*43.12*	
23 05 23 00-0108		EA	3" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	291.00	33.41
			For True Union Socket Or Thread Type, Add	*58.77*	
			For Work In Restricted Working Space, Add	*49.75*	
23 05 23 00-0109		EA	4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	427.96	37.72
			For True Union Socket Or Thread Type, Add	*105.64*	
			For Work In Restricted Working Space, Add	*56.59*	
23 05 23 00-0110			Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valves *(23 05 23 00-0066)*		
23 05 23 00-0111		EA	1/4" Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	96.32	17.56
			For Full Port, Add	*20.34*	
			For Work In Restricted Working Space, Add	*15.34*	
23 05 23 00-0112		EA	3/8" Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	99.01	17.56
			For Full Port, Add	*20.34*	
			For Work In Restricted Working Space, Add	*16.15*	
23 05 23 00-0113		EA	1/2" Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	101.83	17.56
			For Full Port, Add	*20.34*	
			For Work In Restricted Working Space, Add	*16.99*	
23 05 23 00-0114		EA	3/4" Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	124.26	19.31
			For Full Port, Add	*21.56*	
			For Work In Restricted Working Space, Add	*22.90*	
23 05 23 00-0115		EA	1" Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	163.40	21.95
			For Full Port, Add	*31.94*	
			For Work In Restricted Working Space, Add	*27.73*	
23 05 23 00-0116		EA	1-1/4" Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	214.20	23.35
			For Full Port, Add	*43.72*	
			For Work In Restricted Working Space, Add	*35.12*	
23 05 23 00-0117		EA	1-1/2" Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	264.23	27.04
			For Full Port, Add	*58.13*	
			For Work In Restricted Working Space, Add	*40.52*	
23 05 23 00-0118		EA	2" Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	369.85	31.96
			For Full Port, Add	*94.60*	
			For Work In Restricted Working Space, Add	*47.89*	
23 05 23 00-0119		EA	2-1/2" Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	725.75	43.17
			For Full Port, Add	*229.58*	
			For Work In Restricted Working Space, Add	*64.67*	
23 05 23 00-0120		EA	3" Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	1,058.87	50.12
			For Full Port, Add	*364.55*	
			For Work In Restricted Working Space, Add	*74.63*	
23 05 23 00-0121			Plastic, True Union, Ball Valves *(23 05 23 00-0066)*		
23 05 23 00-0122			Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valves *(23 05 23 00-0121)*		
			Note: Socket or NPT connectors.		
23 05 23 00-0123		EA	3/8" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	118.81	11.71
23 05 23 00-0124		EA	1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	123.72	11.71
23 05 23 00-0125		EA	3/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	149.86	12.88
23 05 23 00-0126		EA	1" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	184.36	14.63
23 05 23 00-0127		EA	1-1/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	222.36	15.57
23 05 23 00-0128		EA	1-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	255.92	18.02
23 05 23 00-0129		EA	2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	313.76	21.30
23 05 23 00-0130			Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valves *(23 05 23 00-0121)*		
			Note: Socket or NPT connectors.		
23 05 23 00-0131		EA	3/8" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	120.47	11.71
23 05 23 00-0132		EA	1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	140.31	11.71
23 05 23 00-0133		EA	3/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	151.52	12.88
23 05 23 00-0134		EA	1" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	184.36	14.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0135	EA	1-1/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	219.04	15.57
23 05 23 00-0136	EA	1-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	254.26	18.02
23 05 23 00-0137	EA	2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	313.76	21.30
23 05 23 00-0138		Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valves *(23 05 23 00-0121)*		
		Note: Socket or NPT connectors.		
23 05 23 00-0139	EA	1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	65.66	11.71
23 05 23 00-0140	EA	3/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	84.34	12.88
23 05 23 00-0141	EA	1" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	101.42	14.63
23 05 23 00-0142	EA	1-1/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	133.61	15.57
23 05 23 00-0143	EA	1-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	156.39	18.02
23 05 23 00-0144	EA	2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	214.23	21.30
23 05 23 00-0145	EA	2-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	299.65	28.78
23 05 23 00-0146	EA	3" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	378.16	33.41
23 05 23 00-0147	EA	4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	536.98	37.72
23 05 23 00-0148		Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valves *(23 05 23 00-0121)*		
		Note: Socket or NPT connectors.		
23 05 23 00-0149	EA	1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	77.27	11.71
23 05 23 00-0150	EA	3/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	100.92	12.88
23 05 23 00-0151	EA	1" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	124.64	14.63
23 05 23 00-0152	EA	1-1/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	174.25	15.57
23 05 23 00-0153	EA	1-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	191.23	18.02
23 05 23 00-0154	EA	2" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	245.75	21.30
23 05 23 00-0155	EA	2-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	425.72	28.78
23 05 23 00-0156	EA	3" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	497.59	33.41
23 05 23 00-0157	EA	4" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	769.21	37.72
23 05 23 00-0158		Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valves *(23 05 23 00-0121)*		
23 05 23 00-0159		Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valves *(23 05 23 00-0158)*		
23 05 23 00-0160	EA	1/4" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	63.53	11.71
23 05 23 00-0161	EA	3/8" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	65.31	11.71
23 05 23 00-0162	EA	1/2" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	66.89	11.71
23 05 23 00-0163	EA	3/4" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	85.33	12.88
23 05 23 00-0164	EA	1" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	104.51	14.63
23 05 23 00-0165	EA	1-1/4" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	127.38	15.57
23 05 23 00-0166	EA	1-1/2" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	153.29	18.02
23 05 23 00-0167	EA	2" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	195.99	21.30
23 05 23 00-0168	EA	2-1/2" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	365.17	28.78
23 05 23 00-0169	EA	3" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	406.36	33.41
23 05 23 00-0170	EA	4" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	562.69	37.72
23 05 23 00-0171		Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valves *(23 05 23 00-0158)*		
23 05 23 00-0172	EA	1/4" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	63.53	11.71
23 05 23 00-0173	EA	3/8" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	65.31	11.71
23 05 23 00-0174	EA	1/2" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	66.89	11.71
23 05 23 00-0175	EA	3/4" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	85.33	12.88
23 05 23 00-0176	EA	1" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	104.51	14.63
23 05 23 00-0177	EA	1-1/4" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	127.38	15.57
23 05 23 00-0178	EA	1-1/2" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	153.29	18.02
23 05 23 00-0179	EA	2" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	195.99	21.30
23 05 23 00-0180	EA	2-1/2" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	365.17	28.78
23 05 23 00-0181	EA	3" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	406.36	33.41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0182	EA	4" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	562.69	37.72
23 05 23 00-0183		**Plastic Ball Valves** *(23 05 23 00-0066)* Note: Threaded or socket.		
23 05 23 00-0184		**Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valves** *(23 05 23 00-0183)*		
23 05 23 00-0185	EA	3/8" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346)	73.19	11.71
23 05 23 00-0186	EA	1/2" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346)	76.44	11.71
23 05 23 00-0187	EA	3/4" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346)	96.78	12.88
23 05 23 00-0188	EA	1" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346)	125.89	14.63
23 05 23 00-0189	EA	1-1/4" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346)	149.74	15.57
23 05 23 00-0190	EA	1-1/2" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346)	181.38	18.02
23 05 23 00-0191	EA	2" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346)	220.95	21.30
23 05 23 00-0192		**Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valves** *(23 05 23 00-0183)*		
23 05 23 00-0193	EA	3/8" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346)	109.69	11.71
23 05 23 00-0194	EA	1/2" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346)	111.28	11.71
23 05 23 00-0195	EA	3/4" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346)	139.91	12.88
23 05 23 00-0196	EA	1" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346)	172.75	14.63
23 05 23 00-0197	EA	1-1/4" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346)	260.51	15.57
23 05 23 00-0198	EA	1-1/2" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346)	289.10	18.02
23 05 23 00-0199	EA	2" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346)	346.94	21.30
23 05 23 00-0200		**Viton Liner And Seals, Polypropylene (PP) Ball Valves** *(23 05 23 00-0183)*		
23 05 23 00-0201	EA	3/8" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346)	122.13	11.71
23 05 23 00-0202	EA	1/2" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346)	132.01	11.71
23 05 23 00-0203	EA	3/4" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346)	151.52	12.88
23 05 23 00-0204	EA	1" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346)	186.02	14.63
23 05 23 00-0205	EA	1-1/4" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346)	233.97	15.57
23 05 23 00-0206	EA	1-1/2" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346)	280.80	18.02
23 05 23 00-0207	EA	2" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346)	363.52	21.30
23 05 23 00-0208		**Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valves** *(23 05 23 00-0183)*		
23 05 23 00-0209	EA	3/8" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346)	244.88	11.71
23 05 23 00-0210	EA	1/2" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346)	261.40	11.71
23 05 23 00-0211	EA	3/4" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346)	310.76	12.88
23 05 23 00-0212	EA	1" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346)	363.51	14.63
23 05 23 00-0213	EA	1-1/4" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346)	442.98	15.57
23 05 23 00-0214	EA	1-1/2" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346)	488.15	18.02
23 05 23 00-0215	EA	2" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346)	562.58	21.30
23 05 23 00-0216		**Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valves** *(23 05 23 00-0183)*		
23 05 23 00-0217	EA	1/2" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)	50.14	11.71
23 05 23 00-0218	EA	3/4" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)	67.17	12.88
23 05 23 00-0219	EA	1" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)	81.52	14.63
23 05 23 00-0220	EA	1-1/4" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)	113.21	15.57
23 05 23 00-0221	EA	1-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)	125.21	18.02
23 05 23 00-0222	EA	2" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)	152.77	21.30
23 05 23 00-0223		**Globe Valves** *(23 05 23)*		
23 05 23 00-0224		**Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valves** *(23 05 23 00-0223)*		
23 05 23 00-0225	EA	1/8" Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	75.90	11.71
		For 150 Lb. Rating, Add	*11.82*	
		For 200 Lb. Rating, Add	*14.49*	
		For 250 Lb. Rating, Add	*17.16*	
		For 300 Lb. Rating, Add	*20.98*	
		For Work In Restricted Working Space, Add	*11.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0226	EA	1/4" Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	72.23	11.71
		For 150 Lb. Rating, Add	*11.82*	
		For 200 Lb. Rating, Add	*14.49*	
		For 250 Lb. Rating, Add	*17.16*	
		For 300 Lb. Rating, Add	*20.98*	
		For Work In Restricted Working Space, Add	*10.23*	
23 05 23 00-0227	EA	3/8" Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	92.80	11.71
		For 150 Lb. Rating, Add	*17.65*	
		For 200 Lb. Rating, Add	*21.63*	
		For 250 Lb. Rating, Add	*25.62*	
		For 300 Lb. Rating, Add	*31.31*	
		For Work In Restricted Working Space, Add	*10.76*	
23 05 23 00-0228	EA	1/2" Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	94.69	11.71
		For 150 Lb. Rating, Add	*17.65*	
		For 200 Lb. Rating, Add	*21.63*	
		For 250 Lb. Rating, Add	*25.62*	
		For 300 Lb. Rating, Add	*31.31*	
		For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*77.73*	
		For Work In Restricted Working Space, Add	*11.33*	
23 05 23 00-0229	EA	3/4" Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	112.61	12.29
		For 150 Lb. Rating, Add	*19.13*	
		For 200 Lb. Rating, Add	*23.45*	
		For 250 Lb. Rating, Add	*27.77*	
		For 300 Lb. Rating, Add	*33.95*	
		For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*88.25*	
		For Work In Restricted Working Space, Add	*15.27*	
23 05 23 00-0230	EA	1" Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	145.02	12.29
		For 150 Lb. Rating, Add	*25.86*	
		For 200 Lb. Rating, Add	*31.70*	
		For 250 Lb. Rating, Add	*37.53*	
		For 300 Lb. Rating, Add	*45.88*	
		For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*116.40*	
		For Work In Restricted Working Space, Add	*18.48*	
23 05 23 00-0231	EA	1-1/4" Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	222.10	15.57
		For 150 Lb. Rating, Add	*44.66*	
		For 200 Lb. Rating, Add	*54.74*	
		For 250 Lb. Rating, Add	*64.83*	
		For 300 Lb. Rating, Add	*79.23*	
		For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*189.68*	
		For Work In Restricted Working Space, Add	*23.41*	
23 05 23 00-0232	EA	1-1/2" Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	295.93	18.02
		For 150 Lb. Rating, Add	*63.83*	
		For 200 Lb. Rating, Add	*78.24*	
		For 250 Lb. Rating, Add	*92.65*	
		For 300 Lb. Rating, Add	*113.24*	
		For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*262.50*	
		For Work In Restricted Working Space, Add	*27.01*	
23 05 23 00-0233	EA	2" Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	348.45	21.30
		For 150 Lb. Rating, Add	*75.03*	
		For 200 Lb. Rating, Add	*91.98*	
		For 250 Lb. Rating, Add	*108.92*	
		For 300 Lb. Rating, Add	*133.12*	
		For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*308.81*	
		For Work In Restricted Working Space, Add	*31.92*	
23 05 23 00-0234	EA	2-1/2" Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	387.75	28.78
		For 150 Lb. Rating, Add	*75.65*	
		For 200 Lb. Rating, Add	*92.73*	
		For 250 Lb. Rating, Add	*109.81*	
		For 300 Lb. Rating, Add	*134.22*	
		For Work In Restricted Working Space, Add	*43.12*	
23 05 23 00-0235	EA	3" Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	712.55	33.41
		For 150 Lb. Rating, Add	*169.48*	
		For 200 Lb. Rating, Add	*207.75*	
		For 250 Lb. Rating, Add	*246.02*	
		For 300 Lb. Rating, Add	*300.70*	
		For Work In Restricted Working Space, Add	*49.75*	
23 05 23 00-0236		Threaded, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valves *(23 05 23 00-0223)*		
23 05 23 00-0237	EA	2" Threaded, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	531.66	21.30
		For 150 Lb. Rating, Add	*131.83*	
		For 200 Lb. Rating, Add	*161.60*	
		For 250 Lb. Rating, Add	*191.36*	
		For 300 Lb. Rating, Add	*233.89*	
		For Chain Operated Type, Add	*355.08*	
		For Work In Restricted Working Space, Add	*31.92*	
23 05 23 00-0238	EA	2-1/2" Threaded, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	659.17	28.78
		For 150 Lb. Rating, Add	*159.79*	
		For 200 Lb. Rating, Add	*195.87*	
		For 250 Lb. Rating, Add	*231.95*	
		For 300 Lb. Rating, Add	*283.50*	
		For Chain Operated Type, Add	*430.40*	
		For Work In Restricted Working Space, Add	*43.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0239	EA	3" Threaded, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	784.37	33.41
		For 150 Lb. Rating, Add	*191.75*	
		For 200 Lb. Rating, Add	*235.05*	
		For 250 Lb. Rating, Add	*278.34*	
		For 300 Lb. Rating, Add	*340.20*	
		For Chain Operated Type, Add	*516.48*	
		For Work In Restricted Working Space, Add	*49.75*	
23 05 23 00-0240	EA	4" Threaded, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	1,013.30	37.72
		For 150 Lb. Rating, Add	*255.66*	
		For 200 Lb. Rating, Add	*313.39*	
		For 250 Lb. Rating, Add	*371.12*	
		For 300 Lb. Rating, Add	*453.60*	
		For Chain Operated Type, Add	*688.64*	
		For Work In Restricted Working Space, Add	*56.57*	

23 05 23 00-0241 Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valves *(23 05 23 00-0223)*

23 05 23 00-0242	EA	2" Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	715.93	156.04
		For 150 Lb. Rating, Add	*161.46*	
		For 250 Lb. Rating, Add	*234.38*	
		For Chain Operated Type, Add	*260.42*	
		For Work In Restricted Working Space, Add	*58.53*	
23 05 23 00-0243	EA	2-1/2" Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	830.91	156.29
		For 150 Lb. Rating, Add	*196.83*	
		For 250 Lb. Rating, Add	*285.72*	
		For Chain Operated Type, Add	*317.47*	
		For Work In Restricted Working Space, Add	*58.79*	
23 05 23 00-0244	EA	3" Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	991.26	183.25
		For 150 Lb. Rating, Add	*236.20*	
		For 250 Lb. Rating, Add	*342.86*	
		For Chain Operated Type, Add	*380.96*	
		For Work In Restricted Working Space, Add	*68.80*	
23 05 23 00-0245	EA	4" Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	1,400.86	307.20
		For 150 Lb. Rating, Add	*314.93*	
		For 250 Lb. Rating, Add	*457.15*	
		For Chain Operated Type, Add	*507.95*	
		For Work In Restricted Working Space, Add	*115.49*	
23 05 23 00-0246	EA	5" Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	1,839.58	342.01
		For 150 Lb. Rating, Add	*437.94*	
		For 250 Lb. Rating, Add	*635.72*	
		For Chain Operated Type, Add	*706.36*	
		For Work In Restricted Working Space, Add	*128.06*	
23 05 23 00-0247	EA	6" Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	2,262.47	380.02
		For 150 Lb. Rating, Add	*553.58*	
		For 250 Lb. Rating, Add	*803.58*	
		For Chain Operated Type, Add	*892.87*	
		For Work In Restricted Working Space, Add	*143.02*	
23 05 23 00-0248	EA	8" Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	3,349.27	485.58
		For 150 Lb. Rating, Add	*851.28*	
		For 250 Lb. Rating, Add	*1,235.73*	
		For Chain Operated Type, Add	*1,373.04*	
		For Work In Restricted Working Space, Add	*180.96*	
23 05 23 00-0249	EA	10" Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	4,921.52	591.14
		For 150 Lb. Rating, Add	*1,296.61*	
		For 250 Lb. Rating, Add	*1,882.17*	
		For Chain Operated Type, Add	*2,091.30*	
		For Work In Restricted Working Space, Add	*221.68*	
23 05 23 00-0250	EA	12" Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	8,810.28	717.80
		For 150 Lb. Rating, Add	*2,453.53*	
		For 250 Lb. Rating, Add	*3,561.58*	
		For Chain Operated Type, Add	*3,957.31*	
		For Work In Restricted Working Space, Add	*268.70*	

23 05 23 00-0251 Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valves *(23 05 23 00-0223)*

23 05 23 00-0252	EA	1/8" Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	66.65	11.71
		For 150 Lb. Rating, Add	*8.96*	
		For 200 Lb. Rating, Add	*10.98*	
		For 300 Lb. Rating, Add	*15.89*	
		For Work In Restricted Working Space, Add	*11.33*	
23 05 23 00-0253	EA	1/4" Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	62.98	11.71
		For 150 Lb. Rating, Add	*8.96*	
		For 200 Lb. Rating, Add	*10.98*	
		For 300 Lb. Rating, Add	*15.89*	
		For Work In Restricted Working Space, Add	*10.23*	
23 05 23 00-0254	EA	3/8" Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	64.76	11.71
		For 150 Lb. Rating, Add	*8.96*	
		For 200 Lb. Rating, Add	*10.98*	
		For 300 Lb. Rating, Add	*15.89*	
		For Work In Restricted Working Space, Add	*10.76*	
23 05 23 00-0255	EA	1/2" Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	68.58	11.71
		For 150 Lb. Rating, Add	*9.55*	
		For 200 Lb. Rating, Add	*11.71*	
		For 300 Lb. Rating, Add	*16.95*	
		For Work In Restricted Working Space, Add	*11.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0256	EA	3/4" Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	93.63	12.29
		For 150 Lb. Rating, Add	*13.25*	
		For 200 Lb. Rating, Add	*16.24*	
		For 300 Lb. Rating, Add	*23.51*	
		For Work In Restricted Working Space, Add	*15.27*	
23 05 23 00-0257	EA	1" Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	117.69	12.29
		For 150 Lb. Rating, Add	*17.38*	
		For 200 Lb. Rating, Add	*21.31*	
		For 300 Lb. Rating, Add	*30.84*	
		For Work In Restricted Working Space, Add	*18.48*	
23 05 23 00-0258	EA	1-1/4" Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	161.35	15.57
		For 150 Lb. Rating, Add	*25.83*	
		For 200 Lb. Rating, Add	*31.66*	
		For 300 Lb. Rating, Add	*45.82*	
		For Work In Restricted Working Space, Add	*23.41*	
23 05 23 00-0259	EA	1-1/2" Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	187.17	18.02
		For 150 Lb. Rating, Add	*30.11*	
		For 200 Lb. Rating, Add	*36.91*	
		For 300 Lb. Rating, Add	*53.42*	
		For Work In Restricted Working Space, Add	*27.01*	
23 05 23 00-0260	EA	2" Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	252.70	21.30
		For 150 Lb. Rating, Add	*45.35*	
		For 200 Lb. Rating, Add	*55.59*	
		For 300 Lb. Rating, Add	*80.46*	
		For Work In Restricted Working Space, Add	*31.92*	
23 05 23 00-0261	EA	2-1/2" Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	419.97	31.25
		For 150 Lb. Rating, Add	*81.81*	
		For 200 Lb. Rating, Add	*100.28*	
		For 300 Lb. Rating, Add	*145.14*	
		For Work In Restricted Working Space, Add	*46.82*	
23 05 23 00-0262	EA	3" Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	626.99	36.29
		For 150 Lb. Rating, Add	*138.54*	
		For 200 Lb. Rating, Add	*169.82*	
		For 300 Lb. Rating, Add	*245.80*	
		For Work In Restricted Working Space, Add	*54.03*	

23 05 23 00-0263 Flanged, 125 Lb., Iron Body, Angle Globe Valves *(23 05 23 00-0223)*

23 05 23 00-0264	EA	2" Flanged, 125 Lb., Iron Body, Angle Globe Valve	1,535.12	156.04
		For 250 Lb. Rating, Add	*804.02*	
		For Chain Operated Type, Add	*522.61*	
		For Work In Restricted Working Space, Add	*58.53*	
23 05 23 00-0265	EA	2-1/2" Flanged, 125 Lb., Iron Body, Angle Globe Valve	1,780.80	156.29
		For 250 Lb. Rating, Add	*950.89*	
		For Chain Operated Type, Add	*618.08*	
		For Work In Restricted Working Space, Add	*58.79*	
23 05 23 00-0266	EA	3" Flanged, 125 Lb., Iron Body, Angle Globe Valve	2,096.93	183.25
		For 250 Lb. Rating, Add	*1,120.55*	
		For Chain Operated Type, Add	*728.36*	
		For Work In Restricted Working Space, Add	*68.80*	
23 05 23 00-0267	EA	4" Flanged, 125 Lb., Iron Body, Angle Globe Valve	3,052.42	307.20
		For 250 Lb. Rating, Add	*1,600.47*	
		For Chain Operated Type, Add	*1,040.31*	
		For Work In Restricted Working Space, Add	*115.49*	
23 05 23 00-0268	EA	5" Flanged, 125 Lb., Iron Body, Angle Globe Valve	5,207.44	342.01
		For 250 Lb. Rating, Add	*2,868.35*	
		For Chain Operated Type, Add	*1,864.43*	
		For Work In Restricted Working Space, Add	*128.06*	
23 05 23 00-0269	EA	6" Flanged, 125 Lb., Iron Body, Angle Globe Valve	5,257.31	380.02
		For 250 Lb. Rating, Add	*2,868.35*	
		For Chain Operated Type, Add	*1,864.43*	
		For Work In Restricted Working Space, Add	*143.02*	
23 05 23 00-0270	EA	8" Flanged, 125 Lb., Iron Body, Angle Globe Valve	9,959.74	485.58
		For 250 Lb. Rating, Add	*5,613.92*	
		For Chain Operated Type, Add	*3,649.05*	
		For Work In Restricted Working Space, Add	*180.96*	

23 05 23 00-0271 Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valves *(23 05 23 00-0223)*

Note: 800 PSIG at 850 degrees F.

23 05 23 00-0272	EA	1/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	218.90	18.96
		For Work In Restricted Working Space, Add	*10.23*	
23 05 23 00-0273	EA	1/2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	222.57	18.96
		For Work In Restricted Working Space, Add	*11.33*	
23 05 23 00-0274	EA	3/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	261.14	25.52
		For Work In Restricted Working Space, Add	*15.27*	
23 05 23 00-0275	EA	1" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	322.72	30.79
		For Work In Restricted Working Space, Add	*18.48*	
23 05 23 00-0276	EA	1-1/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	525.66	38.98
		For Work In Restricted Working Space, Add	*23.41*	
23 05 23 00-0277	EA	1-1/2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	630.92	45.06
		For Work In Restricted Working Space, Add	*27.01*	
23 05 23 00-0278	EA	2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	803.28	53.26
		For Work In Restricted Working Space, Add	*31.92*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0279		**Triple Duty Valves** *(23 05 23)* Note: Valves function as a shut-off, check valve and calibrated balancing valve.		
23 05 23 00-0280		**Straight Pattern, Triple Duty Valves** *(23 05 23 00-0279)* Note: Bell & Gossett 3DX and 3DS-S Series.		
23 05 23 00-0281	EA	1" Threaded, Straight Pattern, Triple Duty Valve	319.13	12.29
23 05 23 00-0282	EA	1-1/4" Threaded, Straight Pattern, Triple Duty Valve	369.54	15.57
23 05 23 00-0283	EA	1-1/2" Threaded, Straight Pattern, Triple Duty Valve	401.04	18.02
23 05 23 00-0284	EA	2" Flanged, Straight Pattern, Triple Duty Valve	1,040.67	156.04
23 05 23 00-0285	EA	2-1/2" Flanged, Straight Pattern, Triple Duty Valve	1,172.77	156.29
23 05 23 00-0286	EA	3" Flanged, Straight Pattern, Triple Duty Valve	1,283.88	183.25
23 05 23 00-0287	EA	4" Flanged, Straight Pattern, Triple Duty Valve	2,630.12	307.20
23 05 23 00-0288	EA	5" Flanged, Straight Pattern Triple Duty Valve	3,075.36	342.01
23 05 23 00-0289	EA	6" Flanged, Straight Pattern, Triple Duty Valve	4,092.30	380.02
23 05 23 00-0290	EA	8" Flanged, Straight Pattern, Triple Duty Valve	5,511.44	485.58
23 05 23 00-0291	EA	10" Flanged, Straight Pattern, Triple Duty Valve	8,844.80	591.14
23 05 23 00-0292		**Flanged, Angle Pattern, Triple Duty Valves** *(23 05 23 00-0279)* Note: Bell & Gossett 3D-S Series.		
23 05 23 00-0293	EA	2" Flanged, Angle Pattern, Triple Duty Valve	1,016.37	156.04
23 05 23 00-0294	EA	2-1/2" Flanged, Angle Pattern, Triple Duty Valve	1,143.61	156.29
23 05 23 00-0295	EA	3" Flanged, Angle Pattern, Triple Duty Valve	1,259.58	183.25
23 05 23 00-0296	EA	4" Flanged, Angle Pattern, Triple Duty Valve	2,566.95	307.20
23 05 23 00-0297	EA	5" Flanged, Angle Pattern, Triple Duty Valve	2,997.61	342.01
23 05 23 00-0298	EA	6" Flanged, Angle Pattern, Triple Duty Valve	3,363.36	380.02
23 05 23 00-0299	EA	8" Flanged, Angle Pattern, Triple Duty Valve	5,166.40	485.58
23 05 23 00-0300	EA	10" Flanged, Angle Pattern, Triple Duty Valve	6,905.80	591.14
23 05 23 00-0301		**Balanced, Straight Pattern, Triple Duty Valves** *(23 05 23 00-0279)* Note: Bell & Gossett 3DS-B Series.		
23 05 23 00-0302	EA	3" Flanged, Balanced, Straight Pattern, Triple Duty Valve	1,176.97	183.25
23 05 23 00-0303	EA	4" Flanged, Balanced, Straight Pattern, Triple Duty Valve	2,348.26	307.20
23 05 23 00-0304	EA	5" Flanged, Balanced, Straight Pattern, Triple Duty Valve	2,749.77	342.01
23 05 23 00-0305	EA	6" Flanged, Balanced, Straight Pattern, Triple Duty Valve	3,650.07	380.02
23 05 23 00-0306	EA	8" Flanged, Balanced, Straight Pattern, Triple Duty Valve	4,908.84	485.58
23 05 23 00-0307	EA	10" Flanged, Balanced, Straight Pattern, Triple Duty Valve	7,838.85	591.14
23 05 23 00-0308	EA	12" Flanged, Balanced, Straight Pattern, Triple Duty Valve	11,800.87	717.80
23 05 23 00-0309	EA	14" Flanged, Balanced, Straight Pattern, Triple Duty Valve	14,343.67	844.48
23 05 23 00-0310	EA	16" Flanged, Balanced, Straight Pattern, Triple Duty Valve	17,971.63	928.93
23 05 23 00-0311		**Grooved Straight Pattern, Triple Duty Valves** *(23 05 23 00-0279)* Note: Bell & Gossett 3DS-G Series.		
23 05 23 00-0312	EA	2" Grooved, Straight Pattern, Triple Duty Valve	1,111.85	28.92
23 05 23 00-0313	EA	2-1/2" Grooved, Straight Pattern, Triple Duty Valve	1,325.30	34.49
23 05 23 00-0314	EA	3" Grooved, Straight Pattern, Triple Duty Valve	1,543.11	37.40
23 05 23 00-0315	EA	4" Grooved, Straight Pattern, Triple Duty Valve	2,563.61	40.31
23 05 23 00-0316	EA	5" Grooved, Straight Pattern, Triple Duty Valve	2,971.72	53.84
23 05 23 00-0317	EA	6" Grooved, Straight Pattern Triple Duty Valve	3,961.99	69.04
23 05 23 00-0318	EA	8" Grooved, Straight Pattern Triple Duty Valve	5,389.02	87.62
23 05 23 00-0319	EA	10" Grooved, Straight Pattern Triple Duty Valve	8,506.37	98.17
23 05 23 00-0320	EA	12" Grooved, Straight Pattern Triple Duty Valve	13,508.03	119.70
23 05 23 00-0321		**Plug Valves** *(23 05 23)*		
23 05 23 00-0322		**Plug Valves, Lubricated, Semisteel Screwed, Wrench Operated** *(23 05 23 00-0321)* Note: Includes wrench.		
23 05 23 00-0323	EA	1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	308.09	11.71
23 05 23 00-0324	EA	3/4" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	321.22	12.88
23 05 23 00-0325	EA	1" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	406.41	14.63
23 05 23 00-0326	EA	1-1/4" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	486.29	15.57
23 05 23 00-0327	EA	1-1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	534.15	18.02
23 05 23 00-0328	EA	2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	630.51	21.30
23 05 23 00-0329	EA	2-1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	946.42	28.78
23 05 23 00-0330	EA	3" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	1,158.86	33.41
23 05 23 00-0331		**Plug Valves, Lubricated, Semisteel Flanged** *(23 05 23 00-0321)* Note: Wrench operated for 4", gear operated for 6" and 10".		
23 05 23 00-0332	EA	2" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	751.28	156.04
23 05 23 00-0333	EA	2-1/2" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	928.62	156.29
23 05 23 00-0334	EA	3" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	1,149.93	183.25
23 05 23 00-0335	EA	4" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	1,631.61	307.20
23 05 23 00-0336	EA	6" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	3,802.37	380.02
23 05 23 00-0337	EA	8" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	6,594.72	485.58
23 05 23 00-0338	EA	10" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	10,723.51	591.14
23 05 23 00-0339	EA	12" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	16,050.91	717.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0340	EA	14" Diameter Plug Valve, Semi-Steel, Flanged, 150 PSI, Wrench Operated, With Wrench	26,302.95	1,017.44
23 05 23 00-0341	EA	16" Diameter Plug Valve, Semi-Steel, Flanged, 150 PSI, Wrench Operated, With Wrench	28,106.39	1,119.19
23 05 23 00-0342	EA	18" Diameter Plug Valve, Semi-Steel, Flanged, 150 PSI, Wrench Operated, With Wrench	33,874.62	1,241.28
23 05 23 00-0343	EA	20" Diameter Plug Valve, Semi-Steel, Flanged, 150 PSI, Wrench Operated, With Wrench	43,630.55	1,398.99
23 05 23 00-0344	EA	24" Diameter Plug Valve, Semi-Steel, Flanged, 150 PSI, Wrench Operated, With Wrench	54,773.34	1,716.94
23 05 23 00-0345		**Plug Valves, Forged Steel, Screwed** *(23 05 23 00-0321)*		
23 05 23 00-0346	EA	1/2" Plug Valve, 1,500 Lb., Forged Steel, Screwed	1,194.04	11.71
23 05 23 00-0347	EA	3/4" Plug Valve, 1,500 Lb., Forged Steel, Screwed	1,410.34	12.88
23 05 23 00-0348	EA	1" Plug Valve, 1,500 Lb., Forged Steel, Screwed	1,594.12	14.63
23 05 23 00-0349	EA	1-1/4" Plug Valve, 1,500 Lb., Forged Steel, Screwed	1,912.37	15.57
23 05 23 00-0350	EA	1-1/2" Plug Valve, 1,500 Lb., Forged Steel, Screwed	2,227.03	18.02
23 05 23 00-0351	EA	2" Plug Valve, 1,500 Lb., Forged Steel, Screwed	2,930.65	21.30
23 05 23 00-0352		**Plug Valves, Eccentric, Cast Iron Flanged** *(23 05 23 00-0321)*		
23 05 23 00-0353	EA	4" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	1,196.97	307.20
23 05 23 00-0354	EA	6" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	1,869.10	380.02
23 05 23 00-0355	EA	8" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	2,544.02	485.58
23 05 23 00-0356	EA	10" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	3,611.54	591.14
23 05 23 00-0357	EA	12" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	4,665.46	717.80
23 05 23 00-0358		**Foot Valves** *(23 05 23)*		
23 05 23 00-0359		**Single Poppet Foot Valves, Metal To Metal Seat Construction** *(23 05 23 00-0358)*		
23 05 23 00-0360	EA	1" Single Poppet Foot Valve, Metal To Metal Seat Construction	98.55	29.28
23 05 23 00-0361	EA	1-1/4" Single Poppet Foot Valve, Metal To Metal Seat Construction	112.18	32.78
23 05 23 00-0362	EA	1-1/2" Single Poppet Foot Valve, Metal To Metal Seat Construction	144.50	37.47
23 05 23 00-0363	EA	2" Single Poppet Foot Valve, Metal To Metal Seat Construction	190.99	42.15
23 05 23 00-0364	EA	2-1/2" Single Poppet Foot Valve, Metal To Metal Seat Construction	439.03	69.09
23 05 23 00-0365	EA	3" Single Poppet Foot Valve, Metal To Metal Seat Construction	561.92	84.31
23 05 23 00-0366		**Double Poppet Foot Valves, Metal To Metal Seat Construction** *(23 05 23 00-0358)*		
23 05 23 00-0367	EA	1" Double Poppet Foot Valve, Metal To Metal Seat Construction	98.55	29.28
23 05 23 00-0368	EA	1-1/4" Double Poppet Foot Valve, Metal To Metal Seat Construction	214.96	32.78
23 05 23 00-0369	EA	1-1/2" Double Poppet Foot Valve, Metal To Metal Seat Construction	203.79	37.47
23 05 23 00-0370	EA	2" Double Poppet Foot Valve, Metal To Metal Seat Construction	277.91	42.15
23 05 23 00-0371	EA	3" Double Poppet Foot Valve, Metal To Metal Seat Construction	546.80	69.09
23 05 23 00-0372	EA	4" Double Poppet Foot Valve, Metal To Metal Seat Construction	744.79	83.15
23 05 23 00-0373		**Float Valves** *(23 05 23)*		
23 05 23 00-0374		**Float Valve Assembly For Maintaining Liquid Level In Tanks** *(23 05 23 00-0373)*		
23 05 23 00-0375		**Single Seat, Bronze Construction** *(23 05 23 00-0374)*		
		Note: For storage tanks, reservoirs, cooling towers and filtration plants.		
23 05 23 00-0376	EA	Inlet Size 1/2", Maximum PSI 100, Single Seat Float Valve	234.98	24.59
23 05 23 00-0377	EA	Inlet Size 3/4", Maximum PSI 100, Single Seat Float Valve	269.21	29.27
23 05 23 00-0378	EA	Inlet Size 1", Maximum PSI 100, Single Seat Float Valve	350.24	31.60
23 05 23 00-0379	EA	Inlet Size 1-1/4", Maximum PSI 90, Single Seat Float Valve	586.11	39.80
23 05 23 00-0380	EA	Inlet Size 1-1/2", Maximum PSI 90, Single Seat Float Valve	597.81	45.65
23 05 23 00-0381		**Double Seat, Bronze Construction** *(23 05 23 00-0374)*		
		Note: For hot or cold water or oil to open tanks.		
23 05 23 00-0382	EA	Pipe Size 1/2" Maximum PSI 150, Double Seat Float Valve	1,275.32	24.59
23 05 23 00-0383	EA	Pipe Size 3/4" Maximum PSI 150, Double Seat Float Valve	1,284.69	29.27
23 05 23 00-0384	EA	Pipe Size 1" Maximum PSI 150, Double Seat Float Valve	1,483.27	31.60
23 05 23 00-0385	EA	Pipe Size 1-1/4" Maximum PSI 150, Double Seat Float Valve	1,638.99	39.80
23 05 23 00-0386	EA	Pipe Size 1-1/2" Maximum PSI 150, Double Seat Float Valve	1,873.63	45.65
23 05 23 00-0387	EA	Pipe Size 2" Maximum PSI 150, Double Seat Float Valve	2,458.51	53.84
23 05 23 00-0388	EA	Pipe Size 2-1/2" Maximum PSI 150, Double Seat Float Valve	2,857.63	72.22
23 05 23 00-0389	EA	Pipe Size 3" Maximum PSI 150, Double Seat Float Valve	3,437.60	83.00
23 05 23 00-0390		**Float Valve Single Seated Balanced For Air Oil Or Water** *(23 05 23 00-0373)*		
		Note: Includes arm, ball and bracket.		
23 05 23 00-0391		**Brass Body Threaded Ends** *(23 05 23 00-0390)*		
23 05 23 00-0392	EA	1/2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket	245.85	31.72
23 05 23 00-0393	EA	3/4" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket	278.03	35.24
23 05 23 00-0394	EA	1" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket	345.06	38.98
23 05 23 00-0395	EA	1-1/4" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket	551.45	62.98
23 05 23 00-0396	EA	1-1/2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket	576.72	71.76
23 05 23 00-0397	EA	2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket	648.18	88.96

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0398		**Cast Iron Body Flanged** *(23 05 23 00-0390)*		
23 05 23 00-0399	EA	2-1/2" Cast Iron Body, Flanged, Float Valve, Single Seated With Arm Ball And Bracket	8,031.66	156.29
23 05 23 00-0400	EA	3" Cast Iron Body, Flanged, Float Valve, Single Seated With Arm Ball And Bracket	9,712.01	183.25
23 05 23 00-0401		**Float Operated Valves** *(23 05 23 00-0373)*		
23 05 23 00-0402		**For Condensate Receivers Tanks And Vessels** *(23 05 23 00-0401)*		
		Note: Cast iron body, self-contained, float in-line mount.		
23 05 23 00-0403	EA	1" Inlet, Float Operated Valve, Single Seated With Arm Ball And Bracket	890.09	55.01
23 05 23 00-0404		**For Condensate Receivers Tanks And Vessels** *(23 05 23 00-0401)*		
		Note: Cast iron body, external float tank mount, flanged.		
23 05 23 00-0405	EA	3/4" Inlet, Float Operated Valve, Single Seated With Arm Ball And Bracket	1,116.58	102.40
23 05 23 00-0406		**Needle Valves** *(23 05 23)*		
23 05 23 00-0407		**Bronze Needle Valve** *(23 05 23 00-0406)*		
		Note: For heating and cooling applications.		
23 05 23 00-0408	EA	1/4" Needle Valve, Bronze	121.93	11.71
23 05 23 00-0409	EA	3/8" Needle Valve, Bronze	136.08	11.71
23 05 23 00-0410	EA	1/2" Needle Valve, Bronze	148.95	11.71
23 05 23 00-0411	EA	3/4" Needle Valve, Bronze	226.51	12.88
23 05 23 00-0412	EA	1" Needle Valve, Bronze	348.08	14.63
23 05 23 00-0413		**Eccentric Valves With Taps** *(23 05 23)*		
23 05 23 00-0414		**Screwed Eccentric Valves With Taps** *(23 05 23 00-0413)*		
23 05 23 00-0415	EA	1/2" Diameter Eccentric Valves With Taps, Screwed	369.02	11.71
23 05 23 00-0416	EA	3/4" Diameter Eccentric Valves With Taps, Screwed	387.24	12.88
23 05 23 00-0417	EA	1" Diameter Eccentric Valves With Taps, Screwed	489.69	14.63
23 05 23 00-0418	EA	1-1/4" Diameter Eccentric Valves With Taps, Screwed	592.76	15.57
23 05 23 00-0419	EA	1-1/2" Diameter Eccentric Valves With Taps, Screwed	645.53	18.02
23 05 23 00-0420	EA	2" Diameter Eccentric Valves With Taps, Screwed	758.73	21.30
23 05 23 00-0421	EA	2-1/2" Diameter Eccentric Valves With Taps, Screwed	1,152.78	28.78
23 05 23 00-0422	EA	3" Diameter Eccentric Valves With Taps, Screwed	1,404.22	33.41
23 05 23 00-0423		**Flanged Eccentric Valves With Taps** *(23 05 23 00-0413)*		
23 05 23 00-0424	EA	2-1/2" Diameter Eccentric Valves With Taps, Flanged	1,393.60	156.29
23 05 23 00-0425	EA	3" Diameter Eccentric Valves With Taps, Flanged	1,656.29	183.25
23 05 23 00-0426	EA	4" Diameter Eccentric Valves With Taps, Flanged	2,194.14	307.20
23 05 23 00-0427	EA	5" Diameter Eccentric Valves With Taps, Flanged	2,974.98	342.01
23 05 23 00-0428	EA	6" Diameter Eccentric Valves With Taps, Flanged	3,789.29	380.02
23 05 23 00-0429	EA	8" Diameter Eccentric Valves With Taps, Flanged	6,591.28	485.58
23 05 23 00-0430	EA	10" Diameter Eccentric Valves With Taps, Flanged	9,275.12	591.14
23 05 23 00-0431	EA	12" Diameter Eccentric Valves With Taps, Flanged	16,056.97	717.80
23 05 23 00-0432		**Earthquake-Sensitive Gas Shut-Off Valves** *(23 05 23)*		
23 05 23 00-0433		**0.5 PSI Threaded Earthquake Gas Shutoff Valves** *(23 05 23 00-0432)*		
23 05 23 00-0434	EA	3/4" Diameter Threaded, 0.5 PSI Earthquake Gas Shutoff Valve	170.69	12.88
23 05 23 00-0435	EA	1" Diameter Threaded, 0.5 PSI Earthquake Gas Shutoff Valve	193.50	14.63
23 05 23 00-0436		**7 PSI Threaded Earthquake Gas Shutoff Valves** *(23 05 23 00-0432)*		
23 05 23 00-0437	EA	1-1/4" Diameter Threaded, 7 PSI Earthquake Gas Shutoff Valve	226.42	15.57
23 05 23 00-0438	EA	1-1/2" Diameter Threaded, 7 PSI Earthquake Gas Shutoff Valve	304.36	18.02
23 05 23 00-0439		**60 PSI Threaded Earthquake Gas Shutoff Valves** *(23 05 23 00-0432)*		
23 05 23 00-0440	EA	3/4" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	210.26	12.88
23 05 23 00-0441	EA	1" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	220.98	14.63
23 05 23 00-0442	EA	1-1/4" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	248.40	15.57
23 05 23 00-0443	EA	1-1/2" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	337.34	18.02
23 05 23 00-0444	EA	2" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	765.87	21.30
23 05 23 00-0445	EA	2-1/2" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	912.59	28.67
23 05 23 00-0446	EA	3" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	1,182.50	33.41
23 05 23 00-0447	EA	4" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	1,370.18	37.72
23 05 23 00-0448		**60 PSI Flanged Earthquake Gas Shutoff Valves** *(23 05 23 00-0432)*		
23 05 23 00-0449	EA	2" Flanged, 60 PSI Earthquake Gas Shutoff Valve	1,074.37	156.04
23 05 23 00-0450	EA	3" Flanged, 60 PSI Earthquake Gas Shutoff Valve	1,322.94	183.25
23 05 23 00-0451	EA	4" Flanged, 60 PSI Earthquake Gas Shutoff Valve	1,868.75	307.20
23 05 23 00-0452	EA	6" Flanged, 60 PSI Earthquake Gas Shutoff Valve	3,059.61	380.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0453	EA	8" Flanged, 60 PSI Earthquake Gas Shutoff Valve	8,186.99	485.58
23 05 23 00-0454		Emergency Shut-Off Valve With Fusible Link *(23 05 23)*		
23 05 23 00-0455		Threaded, Fusible Brass Gate Valves (Morrison Bros. 939) *(23 05 23 00-0454)*		
		Note: Brass globe/gate valve used to shut off product flow in the event of a fire. Fusible element in the handwheel automatically closes the valve when in contact with 165° F.		
23 05 23 00-0456	EA	1/4" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series)	86.52	18.85
		For Work In Restricted Working Space, Add	*10.23*	
23 05 23 00-0457	EA	3/8" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series)	88.35	19.89
		For Work In Restricted Working Space, Add	*10.78*	
23 05 23 00-0458	EA	1/2" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series)	145.64	18.85
		For Work In Restricted Working Space, Add	*11.33*	
23 05 23 00-0459	EA	3/4" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series)	290.44	25.40
		For Work In Restricted Working Space, Add	*15.27*	
23 05 23 00-0460	EA	1" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series)	740.75	30.79
		For Work In Restricted Working Space, Add	*18.48*	
23 05 23 00-0461		Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI) *(23 05 23 00-0454)*		
		Note: Ductile iron body, cap, seat and swing arm. Viton® encapsulated Teflon® o-ring, Teflon® gasket, and stainless steel spring.		
23 05 23 00-0462	EA	1-1/2" Diameter Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	559.14	18.02
23 05 23 00-0463	EA	2" Diameter Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	601.97	21.30
23 05 23 00-0464	EA	3" Diameter Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	1,012.79	33.41
23 05 23 00-0465		Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI) *(23 05 23 00-0454)*		
		Note: Ductile iron body, cap, seat and swing arm. Viton® encapsulated Teflon® o-ring, Teflon® gasket, and stainless steel spring.		
23 05 23 00-0466	EA	2" Diameter Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	697.02	156.04
23 05 23 00-0467	EA	3" Diameter Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	1,128.88	183.25
23 05 23 00-0468	EA	4" Diameter Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	2,572.04	307.20
23 05 23 00-0469		Check Valves *(23 05 23)*		
23 05 23 00-0470		Iron Body Wafer Type Check Valve *(23 05 23 00-0469)*		
23 05 23 00-0471		Single Disk Type *(23 05 23 00-0470)*		
23 05 23 00-0472	EA	2" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 Lb.	478.67	156.10
		For 150 Lb. Rating, Add	*59.54*	
		For 200 Lb. Rating, Add	*70.88*	
		For 300 Lb. Rating, Add	*85.05*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*166.61*	
23 05 23 00-0473	EA	2-1/2" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 Lb.	567.52	156.38
		For 150 Lb. Rating, Add	*78.00*	
		For 200 Lb. Rating, Add	*92.86*	
		For 300 Lb. Rating, Add	*111.43*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*206.36*	
23 05 23 00-0474	EA	3" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 Lb.	698.96	183.35
		For 150 Lb. Rating, Add	*98.60*	
		For 200 Lb. Rating, Add	*117.38*	
		For 300 Lb. Rating, Add	*140.85*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*257.17*	
23 05 23 00-0475	EA	4" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 Lb.	1,021.08	307.37
		For 150 Lb. Rating, Add	*133.54*	
		For 200 Lb. Rating, Add	*158.98*	
		For 300 Lb. Rating, Add	*190.77*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*363.19*	
23 05 23 00-0476	EA	6" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 Lb.	1,535.28	431.40
		For 150 Lb. Rating, Add	*209.17*	
		For 200 Lb. Rating, Add	*249.01*	
		For 300 Lb. Rating, Add	*298.81*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*556.07*	
23 05 23 00-0477	EA	8" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 Lb.	2,146.43	496.11
		For 150 Lb. Rating, Add	*320.99*	
		For 200 Lb. Rating, Add	*382.14*	
		For 300 Lb. Rating, Add	*458.56*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*811.42*	
23 05 23 00-0478	EA	10" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 Lb.	3,201.85	603.96
		For 150 Lb. Rating, Add	*512.69*	
		For 200 Lb. Rating, Add	*610.35*	
		For 300 Lb. Rating, Add	*732.41*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*1,250.72*	
23 05 23 00-0479		Twin Disc Type *(23 05 23 00-0470)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0480	EA	2" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 Lb.	673.81	156.10
		For 150 Lb. Rating, Add	*100.51*	
		For 200 Lb. Rating, Add	*119.66*	
		For 300 Lb. Rating, Add	*143.59*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*254.42*	
23 05 23 00-0481	EA	2-1/2" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 Lb.	770.51	156.38
		For 150 Lb. Rating, Add	*120.63*	
		For 200 Lb. Rating, Add	*143.61*	
		For 300 Lb. Rating, Add	*172.33*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*297.71*	
23 05 23 00-0482	EA	3" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 Lb.	899.68	183.35
		For 150 Lb. Rating, Add	*140.75*	
		For 200 Lb. Rating, Add	*167.56*	
		For 300 Lb. Rating, Add	*201.07*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*347.49*	
23 05 23 00-0483	EA	4" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 Lb.	1,236.31	307.37
		For 150 Lb. Rating, Add	*178.74*	
		For 200 Lb. Rating, Add	*212.78*	
		For 300 Lb. Rating, Add	*255.34*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*460.04*	
23 05 23 00-0484	EA	6" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 Lb.	1,911.72	431.40
		For 150 Lb. Rating, Add	*288.22*	
		For 200 Lb. Rating, Add	*343.12*	
		For 300 Lb. Rating, Add	*411.74*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*725.46*	
23 05 23 00-0485	EA	8" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 Lb.	2,712.29	496.11
		For 150 Lb. Rating, Add	*440.16*	
		For 200 Lb. Rating, Add	*524.00*	
		For 300 Lb. Rating, Add	*628.80*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*1,066.46*	
23 05 23 00-0486	EA	10" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 Lb.	4,074.68	593.17
		For 150 Lb. Rating, Add	*697.08*	
		For 200 Lb. Rating, Add	*829.86*	
		For 300 Lb. Rating, Add	*995.83*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*1,644.80*	
23 05 23 00-0487	EA	12" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 Lb.	5,361.30	733.37
		For 150 Lb. Rating, Add	*933.94*	
		For 200 Lb. Rating, Add	*1,111.83*	
		For 300 Lb. Rating, Add	*1,334.20*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*2,184.09*	
23 05 23 00-0488	EA	14" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 Lb.	10,196.25	864.60
		For 150 Lb. Rating, Add	*1,899.12*	
		For 200 Lb. Rating, Add	*2,260.86*	
		For 300 Lb. Rating, Add	*2,713.04*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*4,300.11*	
23 05 23 00-0489	EA	16" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 Lb.	14,035.34	1,014.47
		For 150 Lb. Rating, Add	*2,681.12*	
		For 200 Lb. Rating, Add	*3,191.81*	
		For 300 Lb. Rating, Add	*3,830.18*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*5,998.88*	
23 05 23 00-0490	EA	18" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 Lb.	18,743.65	1,129.75
		For 150 Lb. Rating, Add	*3,640.28*	
		For 200 Lb. Rating, Add	*4,333.67*	
		For 300 Lb. Rating, Add	*5,200.40*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*8,082.40*	
23 05 23 00-0491	EA	20" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 Lb.	22,315.22	1,268.09
		For 150 Lb. Rating, Add	*4,353.32*	
		For 200 Lb. Rating, Add	*5,182.53*	
		For 300 Lb. Rating, Add	*6,219.03*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*9,645.57*	
23 05 23 00-0492	EA	24" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 Lb.	29,189.55	1,556.29
		For 150 Lb. Rating, Add	*5,720.12*	
		For 200 Lb. Rating, Add	*6,809.66*	
		For 300 Lb. Rating, Add	*8,171.60*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*12,647.57*	

23 05 23 00-0493 Lift Check Valves *(23 05 23 00-0469)*

23 05 23 00-0494 Bronze Body, Threaded, Vertical Lift Check Valves *(23 05 23 00-0493)*

Note: Watts #600 series.

23 05 23 00-0495	EA	3/8" Lift Check Valve, Bronze, Threaded	125.40	11.71
23 05 23 00-0496	EA	1/2" Lift Check Valve, Bronze, Threaded	132.71	11.71
23 05 23 00-0497	EA	3/4" Lift Check Valve, Bronze, Threaded	169.14	12.29
23 05 23 00-0498	EA	1" Lift Check Valve, Bronze, Threaded	223.00	12.29
23 05 23 00-0499	EA	1-1/4" Lift Check Valve, Bronze, Threaded	309.37	15.57
23 05 23 00-0500	EA	1-1/2" Lift Check Valve, Bronze, Threaded	376.47	18.02
23 05 23 00-0501	EA	2" Lift Check Valve, Bronze, Threaded	537.08	21.30

23 05 23 00-0502 Bronze Body, Threaded, 300 Lb., Lift Check Valves *(23 05 23 00-0493)*

Note: Crane 366E.

23 05 23 00-0503	EA	1/2" Lift Check Valve, Bronze, Threaded, 300 Lb.	781.43	11.71
23 05 23 00-0504	EA	3/4" Lift Check Valve, Bronze, Threaded, 300 Lb.	949.07	12.29
23 05 23 00-0505	EA	1" Lift Check Valve, Bronze, Threaded, 300 Lb.	1,703.50	12.29

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0506	EA	1-1/4" Lift Check Valve, Bronze, Threaded, 300 Lb.	2,270.44	15.57
23 05 23 00-0507	EA	1-1/2" Lift Check Valve, Bronze, Threaded, 300 Lb.	2,465.96	18.02
23 05 23 00-0508	EA	2" Lift Check Valve, Bronze, Threaded, 300 Lb.	3,168.00	21.30
23 05 23 00-0509		Iron Body, Flanged, 125 Lb. Vertical Lift Check Valves *(23 05 23 00-0493)*		
		Note: Mueller 105MAP.		
23 05 23 00-0510	EA	2" Lift Check Valve, Iron Body, Flanged, 125 Lb	1,137.81	156.04
23 05 23 00-0511	EA	2-1/2" Lift Check Valve, Iron Body, Flanged, 125 Lb.	2,120.63	156.29
23 05 23 00-0512	EA	3" Lift Check Valve, Iron Body, Flanged, 125 Lb	2,304.56	183.25
23 05 23 00-0513	EA	4" Lift Check Valve, Iron Body, Flanged, 125 Lb	3,173.75	307.20
23 05 23 00-0514	EA	5" Lift Check Valve, Iron Body, Flanged, 125 Lb	4,014.30	342.01
23 05 23 00-0515	EA	6" Lift Check Valve, Iron Body, Flanged, 125 Lb	4,970.86	380.02
23 05 23 00-0516	EA	8" Lift Check Valve, Iron Body, Flanged, 125 Lb	8,828.79	485.58
23 05 23 00-0517	EA	10" Lift Check Valve, Iron Body, Flanged, 125 Lb	11,095.38	591.14
23 05 23 00-0518	EA	12" Lift Check Valve, Iron Body, Flanged, 125 Lb	18,125.87	717.80
23 05 23 00-0519	EA	14" Lift Check Valve, Iron Body, Flanged, 125 Lb	24,747.31	1,017.44
23 05 23 00-0520	EA	16" Lift Check Valve, Iron Body, Flanged, 125 Lb	27,427.60	1,119.19
23 05 23 00-0521		Bronze Body Swing Check Valves *(23 05 23 00-0469)*		
23 05 23 00-0522		Bronze Body, Threaded, Brazed Or Soldered Installation, 125 Lb., Swing Check Valves *(23 05 23 00-0521)*		
23 05 23 00-0523	EA	1/8" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 Lb.	84.76	11.71
		For 300 Lb. Rating, Add	*18.33*	
		For Work In Restricted Working Space, Add	*11.33*	
23 05 23 00-0524	EA	1/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 Lb.	81.09	11.71
		For 300 Lb. Rating, Add	*18.33*	
		For Work In Restricted Working Space, Add	*10.23*	
23 05 23 00-0525	EA	3/8" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 Lb.	82.87	11.71
		For 300 Lb. Rating, Add	*18.33*	
		For Work In Restricted Working Space, Add	*10.76*	
23 05 23 00-0526	EA	1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 Lb.	86.60	11.71
		For 300 Lb. Rating, Add	*19.05*	
		For Work In Restricted Working Space, Add	*11.33*	
23 05 23 00-0527	EA	3/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 Lb.	110.07	12.29
		For 300 Lb. Rating, Add	*23.08*	
		For Work In Restricted Working Space, Add	*15.27*	
23 05 23 00-0528	EA	1" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 Lb.	141.97	12.29
		For 300 Lb. Rating, Add	*31.34*	
		For Work In Restricted Working Space, Add	*18.48*	
23 05 23 00-0529	EA	1-1/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 Lb.	190.84	15.57
		For 300 Lb. Rating, Add	*43.99*	
		For Work In Restricted Working Space, Add	*23.41*	
23 05 23 00-0530	EA	1-1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 Lb.	248.01	18.02
		For 300 Lb. Rating, Add	*61.61*	
		For Work In Restricted Working Space, Add	*27.01*	
23 05 23 00-0531	EA	2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 Lb.	309.50	21.30
		For 300 Lb. Rating, Add	*79.21*	
		For Work In Restricted Working Space, Add	*31.92*	
23 05 23 00-0532	EA	2-1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 Lb.	610.59	28.78
		For 300 Lb. Rating, Add	*182.08*	
		For Work In Restricted Working Space, Add	*43.12*	
23 05 23 00-0533	EA	3" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 Lb.	829.84	33.41
		For 300 Lb. Rating, Add	*258.96*	
		For Work In Restricted Working Space, Add	*49.75*	
23 05 23 00-0534	EA	4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 Lb.	940.03	37.72
		For 300 Lb. Rating, Add	*293.05*	
		For Work In Restricted Working Space, Add	*56.59*	
23 05 23 00-0535		125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves *(23 05 23 00-0469)*		
23 05 23 00-0536	EA	1" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves	659.13	87.79
		For 150 Lb. Rating, Add	*373.12*	
		For 250 Lb. Rating, Add	*713.31*	
		For Work In Restricted Working Space, Add	*33.13*	
23 05 23 00-0537	EA	1-1/4" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves	731.74	102.42
		For 150 Lb. Rating, Add	*411.07*	
		For 250 Lb. Rating, Add	*785.86*	
		For Work In Restricted Working Space, Add	*38.17*	
23 05 23 00-0538	EA	1-1/2" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves	809.67	122.91
		For 150 Lb. Rating, Add	*445.84*	
		For 250 Lb. Rating, Add	*852.35*	
		For Work In Restricted Working Space, Add	*46.21*	
23 05 23 00-0539	EA	2" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves	1,009.40	156.04
		For 150 Lb. Rating, Add	*553.73*	
		For 250 Lb. Rating, Add	*1,058.60*	
		For Work In Restricted Working Space, Add	*58.53*	
23 05 23 00-0540	EA	2-1/2" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves	1,146.34	156.29
		For 150 Lb. Rating, Add	*646.24*	
		For 250 Lb. Rating, Add	*1,235.47*	
		For Work In Restricted Working Space, Add	*58.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0541	EA	3" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves	1,262.09	183.25
		For 150 Lb. Rating, Add	*702.27*	
		For 250 Lb. Rating, Add	*1,342.58*	
		For Work In Restricted Working Space, Add	*68.80*	
23 05 23 00-0542	EA	4" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves	1,981.02	307.20
		For 150 Lb. Rating, Add	*1,085.31*	
		For 250 Lb. Rating, Add	*2,074.87*	
		For Work In Restricted Working Space, Add	*115.49*	
23 05 23 00-0543	EA	5" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves	2,770.18	342.01
		For 150 Lb. Rating, Add	*1,593.46*	
		For 250 Lb. Rating, Add	*3,046.32*	
		For Work In Restricted Working Space, Add	*128.06*	
23 05 23 00-0544	EA	6" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves	3,193.70	380.02
		For 150 Lb. Rating, Add	*1,847.54*	
		For 250 Lb. Rating, Add	*3,532.06*	
		For Work In Restricted Working Space, Add	*143.02*	
23 05 23 00-0545	EA	8" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves	7,386.48	485.58
		For 150 Lb. Rating, Add	*4,612.63*	
		For 250 Lb. Rating, Add	*8,818.26*	
		For Work In Restricted Working Space, Add	*180.96*	
23 05 23 00-0546	EA	10" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves	9,972.41	591.14
		For 150 Lb. Rating, Add	*6,278.77*	
		For 250 Lb. Rating, Add	*12,003.54*	
		For Work In Restricted Working Space, Add	*221.68*	
23 05 23 00-0547	EA	12" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves	15,294.84	717.80
		For 150 Lb. Rating, Add	*9,791.44*	
		For 250 Lb. Rating, Add	*18,718.93*	
		For Work In Restricted Working Space, Add	*268.70*	
23 05 23 00-0548	EA	14" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves	17,573.64	1,017.44
		For 150 Lb. Rating, Add	*11,085.25*	
		For 250 Lb. Rating, Add	*21,192.39*	
		For Work In Restricted Working Space, Add	*381.54*	
23 05 23 00-0549	EA	16" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves	25,142.51	1,119.19
		For 150 Lb. Rating, Add	*16,145.59*	
		For 250 Lb. Rating, Add	*30,866.58*	
		For Work In Restricted Working Space, Add	*419.70*	
23 05 23 00-0550	EA	18" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves	38,869.75	1,241.28
		For 150 Lb. Rating, Add	*25,376.34*	
		For 250 Lb. Rating, Add	*48,513.58*	
		For Work In Restricted Working Space, Add	*465.48*	
23 05 23 00-0551	EA	20" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves	53,689.32	1,398.99
		For 150 Lb. Rating, Add	*35,319.60*	
		For 250 Lb. Rating, Add	*67,522.77*	
		For Work In Restricted Working Space, Add	*524.62*	
23 05 23 00-0552	EA	24" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves	74,859.73	1,716.94
		For 150 Lb. Rating, Add	*49,445.23*	
		For 250 Lb. Rating, Add	*94,527.64*	
		For Work In Restricted Working Space, Add	*643.85*	

23 05 23 00-0553 Class 800 Forged Steel, Screwed, Chrome Trim, Bolted Bonnet, Piston Check, Swing Check Valves *(23 05 23 00-0469)*

Note: 800 PSIG at 850 Degrees F.

23 05 23 00-0554	EA	1/2" Class 800, Threaded, Forged Steel Swing Check Valve	200.53	11.71
		For Work In Restricted Working Space, Add	*11.33*	
23 05 23 00-0555	EA	3/4" 800, Threaded, Forged Steel Swing Check Valve	235.70	12.88
		For Work In Restricted Working Space, Add	*15.27*	
23 05 23 00-0556	EA	1" Class 800, Threaded, Forged Steel Swing Check Valve	278.64	14.63
		For Work In Restricted Working Space, Add	*18.48*	
23 05 23 00-0557	EA	1-1/4" Class 800, Threaded, Forged Steel Swing Check Valve	432.97	15.57
		For Work In Restricted Working Space, Add	*23.41*	
23 05 23 00-0558	EA	1-1/2" 800, Threaded, Forged Steel Swing Check Valve	513.93	18.02
		For Work In Restricted Working Space, Add	*27.01*	
23 05 23 00-0559	EA	2" Class 800, Threaded, Forged Steel Swing Check Valve	696.46	21.30
		For Work In Restricted Working Space, Add	*31.92*	

23 05 23 00-0560 Cast Iron Body, Wafer Type Silent Check Valve (Metraflex CVO-DINC) *(23 05 23 00-0469)*

Note: With nickel coated ductile iron trim

23 05 23 00-0561	EA	2" Check Valve, Cast Iron Body Silent Wafer Type, 125 LB (Metraflex CVODINC702)	634.06	156.10
		For 150 Lb. Rating, Add	*92.17*	
		For 200 Lb. Rating, Add	*109.72*	
		For 300 Lb. Rating, Add	*131.67*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*236.53*	

23 05 23 00-0562 Plastic Check Valve *(23 05 23 00-0469)*

23 05 23 00-0563 Polyvinyl Chloride (PVC) Check Valve *(23 05 23 00-0562)*

23 05 23 00-0564 Polyvinyl Chloride (PVC) "Y" Check Valve *(23 05 23 00-0563)*

23 05 23 00-0565	EA	1/2" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket	95.78	11.71
23 05 23 00-0566	EA	3/4" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket	113.19	12.88
23 05 23 00-0567	EA	1" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket	129.99	14.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0568	EA	1-1/4" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket	185.53	15.57
23 05 23 00-0569	EA	1-1/2" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket	206.49	18.02
23 05 23 00-0570	EA	2" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket	341.29	19.62
23 05 23 00-0571	EA	2-1/2" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket	431.36	28.78
23 05 23 00-0572	EA	3" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket	472.38	33.41
23 05 23 00-0573	EA	4" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket	690.25	37.72
23 05 23 00-0574	EA	3" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Flanged	659.30	183.25

23 05 23 00-0575 Polyvinyl Chloride (PVC) True Union Ball Check Valve *(23 05 23 00-0563)*

23 05 23 00-0576 Valves *(23 05 23 00-0575)*

23 05 23 00-0577	EA	1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve	72.59	11.71
23 05 23 00-0578	EA	3/4" Polyvinyl Chloride (PVC) True Union Ball Check Valve	90.70	12.88
23 05 23 00-0579	EA	1" Polyvinyl Chloride (PVC) True Union Ball Check Valve	111.37	14.63
23 05 23 00-0580	EA	1-1/4" Polyvinyl Chloride (PVC) True Union Ball Check Valve	144.39	15.57
23 05 23 00-0581	EA	1-1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve	169.66	18.02
23 05 23 00-0582	EA	2" Polyvinyl Chloride (PVC) True Union Ball Check Valve	250.73	21.30
23 05 23 00-0583	EA	3" Polyvinyl Chloride (PVC) True Union Ball Check Valve	410.79	28.78
23 05 23 00-0584	EA	4" Polyvinyl Chloride (PVC) True Union Ball Check Valve	701.62	33.41

23 05 23 00-0585 Foot Valve Screen *(23 05 23 00-0575)*

Note: For use with PVC true union ball check valves above.

23 05 23 00-0586	EA	1/2" Foot Valve Screen Option	61.97	
23 05 23 00-0587	EA	3/4" Foot Valve Screen Option	74.11	
23 05 23 00-0588	EA	1" Foot Valve Screen Option	85.88	
23 05 23 00-0589	EA	1-1/4" Foot Valve Screen Option	129.65	
23 05 23 00-0590	EA	1-1/2" Foot Valve Screen Option	143.44	
23 05 23 00-0591	EA	2" Foot Valve Screen Option	155.21	
23 05 23 00-0592	EA	2-1/2" Foot Valve Screen Option	185.18	
23 05 23 00-0593	EA	3" Foot Valve Screen Option	215.16	
23 05 23 00-0594	EA	4" Foot Valve Screen Option	261.13	

23 05 23 00-0595 Hayward "True Check" With VITON Seals *(23 05 23 00-0575)*

23 05 23 00-0596	EA	1/4" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	65.61	11.71
23 05 23 00-0597	EA	3/8" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	67.39	11.71
23 05 23 00-0598	EA	1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	73.42	11.71
23 05 23 00-0599	EA	3/4" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	90.62	12.88
23 05 23 00-0600	EA	1" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	112.54	14.63
23 05 23 00-0601	EA	1-1/4" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	144.31	15.57
23 05 23 00-0602	EA	1-1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	174.64	18.02
23 05 23 00-0603	EA	2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	219.21	21.30
23 05 23 00-0604	EA	2-1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	405.81	28.78
23 05 23 00-0605	EA	3" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	444.51	33.41
23 05 23 00-0606	EA	4" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	703.69	37.72

23 05 23 00-0607 Hayward "True Check" With Ethylene Propylene Diene Monomer (EPDM) Seals *(23 05 23 00-0575)*

23 05 23 00-0608	EA	1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	69.28	11.71
23 05 23 00-0609	EA	3/4" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	86.55	12.88
23 05 23 00-0610	EA	1" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	106.90	14.63
23 05 23 00-0611	EA	1-1/4" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	138.17	15.57
23 05 23 00-0612	EA	1-1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	163.36	18.02
23 05 23 00-0613	EA	2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	209.26	21.30
23 05 23 00-0614	EA	2-1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	390.88	28.78
23 05 23 00-0615	EA	3" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	432.07	33.41
23 05 23 00-0616	EA	4" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	684.61	37.72

23 05 23 00-0617 Polyvinyl Chloride (PVC) Check Valve, Ethylene Propylene Diene Monomer (EPDM) Housing, Flanged *(23 05 23 00-0563)*

23 05 23 00-0618	EA	1" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing	345.50	70.24
23 05 23 00-0619	EA	1-1/4" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing	376.33	81.93
23 05 23 00-0620	EA	1-1/2" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing	413.26	102.42
23 05 23 00-0621	EA	2" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing	503.68	128.76
23 05 23 00-0622	EA	2-1/2" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing	607.55	129.42
23 05 23 00-0623	EA	3" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing	830.37	150.98
23 05 23 00-0624	EA	4" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing	1,146.86	256.14
23 05 23 00-0625	EA	6" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing	1,884.10	431.40

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0626		Swing Check Valves, 150 Lb. Polyvinyl Chloride (PVC) Socket Weld End Connections *(23 05 23 00-0562)*			
23 05 23 00-0627	EA	1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 Lb.		67.74	11.71
		For Work In Restricted Working Space, Add		*11.33*	
23 05 23 00-0628	EA	3/4" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 Lb.		80.87	12.88
		For Work In Restricted Working Space, Add		*15.27*	
23 05 23 00-0629	EA	1" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 Lb.		92.76	14.63
		For Work In Restricted Working Space, Add		*18.48*	
23 05 23 00-0630	EA	1-1/4" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 Lb.		110.48	15.57
		For Work In Restricted Working Space, Add		*23.41*	
23 05 23 00-0631	EA	1-1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 Lb.		124.36	18.02
		For Work In Restricted Working Space, Add		*27.01*	
23 05 23 00-0632	EA	2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 Lb.		159.77	21.30
		For Work In Restricted Working Space, Add		*31.92*	
23 05 23 00-0633	EA	2-1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 Lb.		219.69	28.78
		For Work In Restricted Working Space, Add		*43.12*	
23 05 23 00-0634	EA	3" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 Lb.		264.41	33.41
		For Work In Restricted Working Space, Add		*49.75*	
23 05 23 00-0635		Polyvinyl Chloride (PVC) Body, Swing Check Valves *(23 05 23 00-0562)*			
23 05 23 00-0636		Polyvinyl Chloride (PVC) Body, Swing Check Valves With Ethylene Propylene Diene Monomer (EPDM) Seals *(23 05 23 00-0635)*			
23 05 23 00-0637	EA	3" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals		655.29	150.90
		For Work In Restricted Working Space, Add		*57.74*	
23 05 23 00-0638	EA	4" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals		834.59	256.00
		For Work In Restricted Working Space, Add		*95.11*	
23 05 23 00-0639	EA	6" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals		1,345.34	316.68
		For Work In Restricted Working Space, Add		*130.40*	
23 05 23 00-0640	EA	8" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals		1,794.44	401.12
		For Work In Restricted Working Space, Add		*147.78*	
23 05 23 00-0641		Polyvinyl Chloride (PVC) Body, Swing Check Valves With Viton Seals *(23 05 23 00-0635)*			
23 05 23 00-0642	EA	3" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals		774.72	150.90
		For Work In Restricted Working Space, Add		*57.74*	
23 05 23 00-0643	EA	4" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals		1,098.33	256.00
		For Work In Restricted Working Space, Add		*95.11*	
23 05 23 00-0644	EA	6" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals		1,595.16	316.68
		For Work In Restricted Working Space, Add		*130.40*	
23 05 23 00-0645	EA	8" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals		2,093.02	401.12
		For Work In Restricted Working Space, Add		*147.78*	
23 05 23 00-0646		Polyvinyl Chloride (PVC) Body, Swing Check Valves With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter Weights *(23 05 23 00-0635)*			
23 05 23 00-0647	EA	3" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights		806.24	150.90
		For Work In Restricted Working Space, Add		*57.74*	
23 05 23 00-0648	EA	4" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights		1,100.82	256.00
		For Work In Restricted Working Space, Add		*95.11*	
23 05 23 00-0649	EA	6" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights		1,484.68	316.68
		For Work In Restricted Working Space, Add		*130.40*	
23 05 23 00-0650	EA	8" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights		1,909.23	401.12
		For Work In Restricted Working Space, Add		*147.78*	
23 05 23 00-0651		Polyvinyl Chloride (PVC) Body, Swing Check Valves With Viton Seals And Counter Weights *(23 05 23 00-0635)*			
23 05 23 00-0652	EA	3" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights		905.76	150.90
		For Work In Restricted Working Space, Add		*57.74*	
23 05 23 00-0653	EA	4" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights		1,245.97	256.00
		For Work In Restricted Working Space, Add		*95.11*	
23 05 23 00-0654	EA	6" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights		1,692.03	316.68
		For Work In Restricted Working Space, Add		*130.40*	
23 05 23 00-0655	EA	8" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights		2,158.05	401.12
		For Work In Restricted Working Space, Add		*147.78*	
23 05 23 00-0656		Diaphragm Valves *(23 05 23)*			
23 05 23 00-0657		Polytetrafluoroethylene (PTFE) Or Viton Lined, Threaded Cast Iron Diaphragm Valves *(23 05 23 00-0656)*			
23 05 23 00-0658	EA	1/2" Diaphragm Valve, Cast Iron, 150 Lb., Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated		295.97	35.03

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0659	EA	3/4" Diaphragm Valve, Cast Iron, 150 Lb., Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	380.88	38.80
23 05 23 00-0660	EA	1" Diaphragm Valve, Cast Iron, 150 Lb., Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	411.58	47.97
23 05 23 00-0661	EA	1-1/2" Diaphragm Valve, Cast Iron, 150 Lb., Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	654.42	71.68
23 05 23 00-0662	EA	2" Diaphragm Valve, Cast Iron, 150 Lb., Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	1,060.83	86.23
23 05 23 00-0663		Polytetrafluoroethylene (PTFE) Or Viton Lined, Flanged Cast Iron Diaphragm Valves *(23 05 23 00-0656)*		
23 05 23 00-0664	EA	1/2" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	476.48	56.19
23 05 23 00-0665	EA	3/4" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	559.71	58.53
23 05 23 00-0666	EA	1" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	652.82	87.79
23 05 23 00-0667	EA	1-1/2" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	997.70	122.91
23 05 23 00-0668	EA	2" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	1,624.23	156.04
23 05 23 00-0669	EA	2-1/2" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	2,113.74	156.29
23 05 23 00-0670	EA	3" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	2,635.62	183.25
23 05 23 00-0671	EA	4" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	3,688.23	307.20
23 05 23 00-0672	EA	6" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	7,877.23	380.02
23 05 23 00-0673	EA	8" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	12,338.58	485.58
23 05 23 00-0674		Ethylene Propylene Diene Monomer (EPDM) Lined, Threaded Cast Iron Diaphragm Valves *(23 05 23 00-0656)*		
23 05 23 00-0675	EA	1/2" Diaphragm Valve, Cast Iron, 150 Lb., Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	178.34	35.03
23 05 23 00-0676	EA	3/4" Diaphragm Valve, Cast Iron, 150 Lb., Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	235.38	38.80
23 05 23 00-0677	EA	1" Diaphragm Valve, Cast Iron, 150 Lb., Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	266.08	47.97
23 05 23 00-0678	EA	1-1/2" Diaphragm Valve, Cast Iron, 150 Lb., Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	456.29	71.68
23 05 23 00-0679	EA	2" Diaphragm Valve, Cast Iron, 150 Lb., Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	599.59	86.23
23 05 23 00-0680		Ethylene Propylene Diene Monomer (EPDM) Lined, Flanged Cast Iron Diaphragm Valves *(23 05 23 00-0656)*		
23 05 23 00-0681	EA	1/2" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	306.99	56.19
23 05 23 00-0682	EA	3/4" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	357.44	58.53
23 05 23 00-0683	EA	1" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	450.51	87.79
23 05 23 00-0684	EA	1-1/2" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	722.23	122.91
23 05 23 00-0685	EA	2" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	982.82	156.04
23 05 23 00-0686	EA	2-1/2" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	1,223.01	156.29
23 05 23 00-0687	EA	3" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	1,494.91	183.25
23 05 23 00-0688	EA	4" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	2,343.59	307.20
23 05 23 00-0689	EA	6" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	4,864.74	380.02
23 05 23 00-0690	EA	8" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	7,560.51	485.58
23 05 23 00-0691		125 Lb., Hand Wheel Operated, Flanged Cast Iron Diaphragm Valves *(23 05 23 00-0656)*		
23 05 23 00-0692	EA	1" Diameter, 125 Lb., Flanged, Cast Iron, Diaphragm Valve	591.88	87.79
23 05 23 00-0693	EA	1-1/2" Diameter, 125 Lb., Flanged, Cast Iron, Diaphragm Valve	975.32	122.91
23 05 23 00-0694	EA	2" Diameter, 125 Lb., Flanged, Cast Iron, Diaphragm Valve	1,320.82	156.04
23 05 23 00-0695	EA	2-1/2" Diameter, 125 Lb., Flanged, Cast Iron, Diaphragm Valve	1,951.81	156.29
23 05 23 00-0696	EA	3" Diameter, 125 Lb., Flanged, Cast Iron, Diaphragm Valve	2,148.00	183.25
23 05 23 00-0697	EA	4" Diameter, 125 Lb., Flanged, Cast Iron, Diaphragm Valve	3,351.47	307.20
23 05 23 00-0698	EA	6" Diameter, 125 Lb., Flanged, Cast Iron, Diaphragm Valve	6,919.47	380.02
23 05 23 00-0699	EA	8" Diameter, 125 Lb., Flanged, Cast Iron, Diaphragm Valve	14,635.57	485.58

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0700		Plastic Diaphragm Valves *(23 05 23 00-0656)*		
23 05 23 00-0701		Polyvinyl Chloride (PVC), True Union Socket Connections, Diaphragm Valves *(23 05 23 00-0700)*		
23 05 23 00-0702	EA	1/2" Polyvinyl Chloride (PVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 314)	191.09	35.03
23 05 23 00-0703	EA	3/4" Polyvinyl Chloride (PVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 314)	213.54	38.70
23 05 23 00-0704	EA	1" Polyvinyl Chloride (PVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 314)	270.00	47.97
23 05 23 00-0705	EA	1-1/4" Polyvinyl Chloride (PVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 314)	391.03	61.98
23 05 23 00-0706	EA	1-1/2" Polyvinyl Chloride (PVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 314)	412.37	71.79
23 05 23 00-0707	EA	2" Polyvinyl Chloride (PVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 314)	484.26	86.23
23 05 23 00-0708		Chlorinated Polyvinyl Chloride (CPVC), True Union Socket Connections, Diaphragm Valves *(23 05 23 00-0700)*		
23 05 23 00-0709	EA	1/2" Chlorinated Polyvinyl Chloride (CPVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 315)	267.40	35.03
23 05 23 00-0710	EA	3/4" Chlorinated Polyvinyl Chloride (CPVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 315)	291.51	38.70
23 05 23 00-0711	EA	1" Chlorinated Polyvinyl Chloride (CPVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 315)	371.19	47.97
23 05 23 00-0712	EA	1-1/4" Chlorinated Polyvinyl Chloride (CPVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 315)	480.60	61.98
23 05 23 00-0713	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 315)	538.43	71.79
23 05 23 00-0714	EA	2" Chlorinated Polyvinyl Chloride (CPVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 315)	587.11	86.23
23 05 23 00-0715		Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves *(23 05 23 00-0700)*		
23 05 23 00-0716		Threaded, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves *(23 05 23 00-0715)*		
23 05 23 00-0717	EA	1/2" Threaded, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	134.50	35.03
23 05 23 00-0718	EA	3/4" Threaded, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	150.60	38.80
23 05 23 00-0719	EA	1" Threaded, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	187.20	47.97
23 05 23 00-0720	EA	1-1/4" Threaded, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	263.33	61.98
23 05 23 00-0721	EA	1-1/2" Threaded, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	282.73	71.68
23 05 23 00-0722	EA	2" Threaded, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	337.64	86.23
23 05 23 00-0723		Socket, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves *(23 05 23 00-0715)*		
23 05 23 00-0724	EA	1/2" Socket, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	134.50	35.03
23 05 23 00-0725	EA	3/4" Socket, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	150.60	38.80
23 05 23 00-0726	EA	1" Socket, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	187.50	47.97
23 05 23 00-0727	EA	1-1/4" Socket, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	263.33	61.98
23 05 23 00-0728	EA	1-1/2" Socket, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	282.73	71.68
23 05 23 00-0729	EA	2" Socket, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	337.64	86.23
23 05 23 00-0730		Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves *(23 05 23 00-0700)*		
23 05 23 00-0731		Threaded, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves *(23 05 23 00-0730)*		
23 05 23 00-0732	EA	1/2" Threaded, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	121.59	35.03
23 05 23 00-0733	EA	3/4" Threaded, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	135.63	38.80
23 05 23 00-0734	EA	1" Threaded, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	168.92	47.97
23 05 23 00-0735	EA	1-1/4" Threaded, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	235.46	61.98
23 05 23 00-0736	EA	1-1/2" Threaded, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	254.86	71.68
23 05 23 00-0737	EA	2" Threaded, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	304.62	86.23
23 05 23 00-0738		Socket, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves *(23 05 23 00-0730)*		
23 05 23 00-0739	EA	1/2" Socket, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	121.59	35.03
23 05 23 00-0740	EA	3/4" Socket, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	135.63	38.80
23 05 23 00-0741	EA	1" Socket, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	168.92	47.97
23 05 23 00-0742	EA	1-1/4" Socket, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	235.46	61.98
23 05 23 00-0743	EA	1-1/2" Socket, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	254.86	71.68
23 05 23 00-0744	EA	2" Socket, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	304.62	86.23

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0745		Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves *(23 05 23 00-0700)*		
23 05 23 00-0746		Threaded, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves *(23 05 23 00-0745)*		
23 05 23 00-0747	EA	1/2" Threaded, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	153.81	35.03
23 05 23 00-0748	EA	3/4" Threaded, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	166.70	38.80
23 05 23 00-0749	EA	1" Threaded, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	227.06	47.97
23 05 23 00-0750	EA	1-1/4" Threaded, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	302.58	61.98
23 05 23 00-0751	EA	1-1/2" Threaded, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	321.98	71.68
23 05 23 00-0752	EA	2" Threaded, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	390.31	86.23
23 05 23 00-0753		Socket, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves *(23 05 23 00-0745)*		
23 05 23 00-0754	EA	1/2" Socket, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	153.81	35.03
23 05 23 00-0755	EA	3/4" Socket, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	166.70	38.80
23 05 23 00-0756	EA	1" Socket, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	227.06	47.97
23 05 23 00-0757	EA	1-1/4" Socket, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	302.55	61.98
23 05 23 00-0758	EA	1-1/2" Socket, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	321.98	71.68
23 05 23 00-0759	EA	2" Socket, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	390.31	86.23
23 05 23 00-0760		Solenoid Valves *(23 05 23)*		
23 05 23 00-0761		Bronze Body Solenoid Valves, 150 PSI Maximum Water Pressure *(23 05 23 00-0760)*		
23 05 23 00-0762	EA	1/4" Solenoid Valve, Bronze, 150 PSI, Water	140.85	11.71
23 05 23 00-0763	EA	1/2" Solenoid Valve, Bronze, 150 PSI, Water	163.64	11.71
23 05 23 00-0764	EA	3/4" Solenoid Valve, Bronze, 150 PSI, Water	209.20	12.88
23 05 23 00-0765	EA	1" Solenoid Valve, Bronze, 150 PSI, Water	309.56	14.63
23 05 23 00-0766	EA	1-1/2" Solenoid Valve, Bronze, 150 PSI, Water	547.79	18.02
23 05 23 00-0767	EA	2" Solenoid Valve, Bronze, 150 PSI, Water	861.12	21.30
23 05 23 00-0768	EA	2-1/2" Solenoid Valve, Bronze, 150 PSI, Water	1,173.01	28.78
23 05 23 00-0769	EA	3" Solenoid Valve, Bronze, 150 PSI, Water	1,705.80	33.41
23 05 23 00-0770		Flow Control Valves And Meters *(23 05 23)*		
23 05 23 00-0771		Conditioned Water Balancing Valves *(23 05 23 00-0770)* Note: Working pressures up to 300 PSIG. Iron and bronze body construction (combination balancing, flow measuring and shut-off). Excludes portable read-out meter.		
23 05 23 00-0772	EA	1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	178.08	59.72
23 05 23 00-0773	EA	3/4" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	212.64	79.63
23 05 23 00-0774	EA	1" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,417.18	90.99
23 05 23 00-0775	EA	1-1/4" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,524.34	112.42
23 05 23 00-0776	EA	1-1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,632.25	119.45
23 05 23 00-0777	EA	2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,745.11	136.54
23 05 23 00-0778	EA	2-1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	3,099.15	237.70
23 05 23 00-0779	EA	3" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	2,983.37	271.67
23 05 23 00-0780	EA	3" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	3,360.71	183.35
23 05 23 00-0781	EA	4" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	4,645.48	307.37
23 05 23 00-0782	EA	6" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	7,278.98	388.26
23 05 23 00-0783	EA	8" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	9,832.43	496.11
23 05 23 00-0784	EA	10" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	14,078.94	603.96
23 05 23 00-0785		Read Out Meters *(23 05 23 00-0770)* Note: For use with conditioned portable water balancing valves.		
23 05 23 00-0786	EA	0.5 - 25% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	1,402.49	
23 05 23 00-0787	EA	0.5 - 50% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	1,897.99	
23 05 23 00-0788	EA	0.5 - 75% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	1,897.99	
23 05 23 00-0789	EA	0.5 - 100% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	1,897.99	
23 05 23 00-0790		Balancing Valves *(23 05 23)*		
23 05 23 00-0791		Balancing Valves With Lever *(23 05 23 00-0790)* Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
23 05 23 00-0792	EA	1/2" Threaded Balancing Valve With Lever	432.21	36.88
23 05 23 00-0793	EA	3/4" Threaded Balancing Valve With Lever	465.83	48.60
23 05 23 00-0794	EA	1" Threaded Balancing Valve With Lever	650.94	55.63
23 05 23 00-0795	EA	1-1/4" Threaded Balancing Valve With Lever	698.30	69.09
23 05 23 00-0796	EA	1-1/2" Threaded Balancing Valve With Lever	733.08	73.18
23 05 23 00-0797	EA	2" Threaded Balancing Valve With Lever	901.90	83.73
23 05 23 00-0798	EA	2-1/2" Flanged Balancing Valve With Lever	1,214.10	156.38
23 05 23 00-0799	EA	3" Flanged Balancing Valve With Lever	1,213.92	183.35
23 05 23 00-0800	EA	4" Flanged Balancing Valve With Lever	1,503.88	307.37
23 05 23 00-0801	EA	5" Flanged Balancing Valve With Lever	4,581.52	349.43

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0802	EA	6" Flanged Balancing Valve With Lever	2,221.04	388.26
23 05 23 00-0803	EA	8" Flanged Balancing Valve With Lever	2,941.93	496.11
23 05 23 00-0804		**Balancing Valves With Nut** *(23 05 23 00-0790)*		
		Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
23 05 23 00-0805	EA	4" Flanged Balancing Valve With Nut	1,503.88	307.37
23 05 23 00-0806	EA	5" Flanged Balancing Valve With Nut	4,581.52	349.43
23 05 23 00-0807	EA	6" Flanged Balancing Valve With Nut	2,221.04	388.26
23 05 23 00-0808	EA	8" Flanged Balancing Valve With Nut	2,941.93	496.11
23 05 23 00-0809		**Balancing Valves With Hand Wheel** *(23 05 23 00-0790)*		
		Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
23 05 23 00-0810	EA	4" Flanged Balancing Valve With Hand Wheel	2,069.44	307.37
23 05 23 00-0811	EA	5" Flanged Balancing Valve With Hand Wheel	5,179.41	349.43
23 05 23 00-0812	EA	6" Flanged Balancing Valve With Hand Wheel	2,820.17	388.26
23 05 23 00-0813	EA	8" Flanged Balancing Valve With Hand Wheel	4,004.70	496.11
23 05 23 00-0814	EA	10" Flanged Balancing Valve With Hand Wheel	6,190.58	603.96
23 05 23 00-0815	EA	12" Flanged Balancing Valve With Hand Wheel	8,109.25	489.14
23 05 23 00-0816	EA	14" Flanged Balancing Valve With Hand Wheel	10,621.97	922.25
23 05 23 00-0817		**Balancing Valves With Chain Wheel** *(23 05 23 00-0790)*		
		Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
23 05 23 00-0818	EA	4" Flanged Balancing Valve With Chain Wheel	2,393.87	307.37
23 05 23 00-0819	EA	5" Flanged Balancing Valve With Chain Wheel	5,498.86	349.43
23 05 23 00-0820	EA	6" Flanged Balancing Valve With Chain Wheel	3,138.38	388.26
23 05 23 00-0821	EA	8" Flanged Balancing Valve With Chain Wheel	4,396.24	496.11
23 05 23 00-0822	EA	10" Flanged Balancing Valve With Chain Wheel	6,570.94	603.96
23 05 23 00-0823	EA	12" Flanged Balancing Valve With Chain Wheel	8,819.30	488.79
23 05 23 00-0824	EA	14" Flanged Balancing Valve With Chain Wheel	11,264.60	922.25
23 05 23 00-0825		**Calibrated Balancing Valves** *(23 05 23 00-0790)*		
		Note: Bell & Gossett CB Series.		
23 05 23 00-0826	EA	1/2" Brazed Or Soldered Calibrated Balancing Valve (CB-1/2S)	148.15	11.71
23 05 23 00-0827	EA	3/4" Brazed Or Soldered Calibrated Balancing Valve (CB-3/4S)	173.67	12.88
23 05 23 00-0828	EA	1" Brazed Or Soldered Calibrated Balancing Valve (CB-1S)	196.20	14.63
23 05 23 00-0829	EA	1-1/4" Brazed Or Soldered Calibrated Balancing Valve (CB-1-1/4S)	274.82	15.57
23 05 23 00-0830	EA	1-1/2" Brazed Or Soldered Calibrated Balancing Valve (CB-1-1/2S)	322.69	18.03
23 05 23 00-0831	EA	2" Brazed Or Soldered Calibrated Balancing Valve (CB-2S)	433.80	21.31
23 05 23 00-0832	EA	1" Threaded Calibrated Balancing Valve (CB-1)	225.85	14.63
23 05 23 00-0833	EA	1-1/4" Threaded Calibrated Balancing Valve (CB-1-1/4)	308.04	15.57
23 05 23 00-0834	EA	1-1/2" Threaded Calibrated Balancing Valve (CB-1-1/2)	344.73	18.03
23 05 23 00-0835	EA	2" Threaded Calibrated Balancing Valve (CB-2)	464.77	21.31
23 05 23 00-0836	EA	2-1/2" Threaded Calibrated Balancing Valve (CB-2-1/2)	654.30	31.26
23 05 23 00-0837	EA	3" Threaded Calibrated Balancing Valve (CB-3)	1,145.40	36.30
23 05 23 00-0838	EA	2-1/2" Flanged Calibrated Balancing Valve (CB-2-1/2F)	1,078.77	169.80
23 05 23 00-0839	EA	3" Flanged Calibrated Balancing Valve (CB-3F)	1,880.34	199.08
23 05 23 00-0840	EA	4" Flanged Calibrated Balancing Valve (CB-4F)	2,820.00	333.74
23 05 23 00-0841	EA	5" Flanged Calibrated Balancing Valve (CB-5F)	3,896.39	379.41
23 05 23 00-0842	EA	6" Flanged Calibrated Balancing Valve (CB-6F)	4,939.21	421.57
23 05 23 00-0843	EA	8" Flanged Calibrated Balancing Valve (CB-8F)	7,827.78	538.67
23 05 23 00-0844	EA	10" Flanged Calibrated Balancing Valve (CB-10F)	12,860.48	645.57
23 05 23 00-0845	EA	12" Flanged Calibrated Balancing Valve (CB-12F)	27,213.07	783.91
23 05 23 00-0846	EA	4" Grooved Calibrated Balancing Valve (CB-4G)	3,256.89	40.31
23 05 23 00-0847	EA	5" Grooved Calibrated Balancing Valve (CB-5G)	3,780.29	53.84
23 05 23 00-0848	EA	6" Grooved Calibrated Balancing Valve (CB-6G)	5,003.75	69.04
23 05 23 00-0849	EA	8" Grooved Calibrated Balancing Valve (CB-8G)	9,386.86	87.62
23 05 23 00-0850	EA	10" Grooved Calibrated Balancing Valve (CB-10G)	14,983.58	98.17
23 05 23 00-0851	EA	12" Grooved Calibrated Balancing Valve (CB-12G)	30,894.91	119.70
23 05 23 00-0852		**Butterfly Valves** *(23 05 23)*		
23 05 23 00-0853		**Cast Iron Body, Iron Disc, 150 PSI, Wafer Type, Butterfly Valves** *(23 05 23 00-0852)*		
		Note: With on-off handle		
23 05 23 00-0854	EA	2" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	511.77	156.04
		For 200 PSI, Add	*152.01*	
		For Work In Restricted Working Space, Add	*58.53*	
23 05 23 00-0855	EA	2-1/2" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	531.08	156.29
		For 200 PSI, Add	*160.85*	
		For Work In Restricted Working Space, Add	*58.79*	
23 05 23 00-0856	EA	3" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	590.21	183.25
		For 200 PSI, Add	*173.22*	
		For Work In Restricted Working Space, Add	*68.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0857	EA	4" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	837.90	307.20
		For 200 PSI, Add	*217.41*	
		For Work In Restricted Working Space, Add	*115.49*	
23 05 23 00-0858	EA	5" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	1,121.14	380.02
		For 200 PSI, Add	*309.32*	
		For Work In Restricted Working Space, Add	*143.02*	
23 05 23 00-0859	EA	6" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	1,315.83	422.24
		For 200 PSI, Add	*378.25*	
		For Work In Restricted Working Space, Add	*158.34*	
23 05 23 00-0860	EA	8" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	1,788.92	485.58
		For 200 PSI, Add	*569.15*	
		For Work In Restricted Working Space, Add	*180.96*	
23 05 23 00-0861	EA	10" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	3,036.72	591.14
		For 200 PSI, Add	*1,102.94*	
		For Work In Restricted Working Space, Add	*221.68*	
23 05 23 00-0862	EA	12" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	3,823.14	717.80
		For 200 PSI, Add	*1,405.19*	
		For Work In Restricted Working Space, Add	*268.70*	

23 05 23 00-0863 Cast Iron Body, Bronze Disc, Gear Operated, 200 Lb., Lug Type, Butterfly Valves *(23 05 23 00-0852)*

23 05 23 00-0864	EA	2" Cast Iron Body, Bronze Disc, Gear Operated, 200 Lb., Lug Type, Butterfly Valve	1,064.13	156.04
		For Work In Restricted Working Space, Add	*58.53*	
23 05 23 00-0865	EA	2-1/2" Cast Iron Body, Bronze Disc, Gear Operated, 200 Lb., Lug Type, Butterfly Valve	1,072.38	156.29
		For Work In Restricted Working Space, Add	*58.79*	
23 05 23 00-0866	EA	3" Cast Iron Body, Bronze Disc, Gear Operated, 200 Lb., Lug Type, Butterfly Valve	1,149.93	183.25
		For Work In Restricted Working Space, Add	*68.80*	
23 05 23 00-0867	EA	4" Cast Iron Body, Bronze Disc, Gear Operated, 200 Lb., Lug Type, Butterfly Valve	1,423.40	307.20
		For Work In Restricted Working Space, Add	*115.49*	
23 05 23 00-0868	EA	5" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI	1,769.24	380.02
		For Work In Restricted Working Space, Add	*143.02*	
23 05 23 00-0869	EA	6" Cast Iron Body, Bronze Disc, Gear Operated, 200 Lb., Lug Type, Butterfly Valve	1,960.04	422.24
		For Work In Restricted Working Space, Add	*158.34*	
23 05 23 00-0870	EA	8" Cast Iron Body, Bronze Disc, Gear Operated, 200 Lb., Lug Type, Butterfly Valve	2,459.11	485.58
		For Work In Restricted Working Space, Add	*180.96*	
23 05 23 00-0871	EA	10" Cast Iron Body, Bronze Disc, Gear Operated, 200 Lb., Lug Type, Butterfly Valve	3,136.14	591.14
		For Work In Restricted Working Space, Add	*221.68*	
23 05 23 00-0872	EA	12" Cast Iron Body, Bronze Disc, Gear Operated, 200 Lb., Lug Type, Butterfly Valve	4,379.18	717.80
		For Work In Restricted Working Space, Add	*268.70*	

23 05 23 00-0873 Cast Iron Body, Bronze Disc, Gear Operated, 150 Lb., Lug Type, Butterfly Valves *(23 05 23 00-0852)*

23 05 23 00-0874	EA	14" Cast Iron Body, Bronze Disc, Gear Operated, 150 Lb., Lug Type, Butterfly Valve	7,490.29	953.86
		For 200 PSI, Add	*2,238.66*	
		For Work In Restricted Working Space, Add	*381.54*	
23 05 23 00-0875	EA	16" Cast Iron Body, Bronze Disc, Gear Operated, 150 Lb., Lug Type, Butterfly Valve	9,753.45	1,119.19
		For 200 PSI, Add	*3,007.61*	
		For Work In Restricted Working Space, Add	*419.70*	
23 05 23 00-0876	EA	18" Cast Iron Body, Bronze Disc, Gear Operated, 150 Lb., Lug Type, Butterfly Valve	13,967.08	1,246.37
		For 200 PSI, Add	*4,468.55*	
		For Work In Restricted Working Space, Add	*466.33*	
23 05 23 00-0877	EA	20" Cast Iron Body, Bronze Disc, Gear Operated, 150 Lb., Lug Type, Butterfly Valve	18,165.95	1,398.99
		For 200 PSI, Add	*5,910.20*	
		For Work In Restricted Working Space, Add	*524.62*	
23 05 23 00-0878	EA	24" Cast Iron Body, Bronze Disc, Gear Operated, 150 Lb., Lug Type, Butterfly Valve	24,568.70	1,716.94
		For 200 PSI, Add	*8,069.91*	
		For Work In Restricted Working Space, Add	*645.68*	
23 05 23 00-0879	EA	30" Cast Iron Body, Bronze Disc, Gear Operated, 150 Lb., Lug Type, Butterfly Valve	51,577.61	2,717.75
		For 200 PSI, Add	*17,322.71*	
		For Work In Restricted Working Space, Add	*1,037.69*	
23 05 23 00-0880	EA	36" Cast Iron Body, Bronze Disc, Gear Operated, 150 Lb., Lug Type, Butterfly Valve	65,461.67	3,706.02
		For 200 PSI, Add	*22,009.67*	
		For Work In Restricted Working Space, Add	*1,297.11*	
23 05 23 00-0881	EA	42" Cast Iron Body, Bronze Disc, Gear Operated, 150 Lb., Lug Type, Butterfly Valve	78,007.56	5,435.51
		For 200 PSI, Add	*25,688.06*	
		For Work In Restricted Working Space, Add	*1,995.55*	
23 05 23 00-0882	EA	48" Cast Iron Body, Bronze Disc, Gear Operated, 150 Lb., Lug Type, Butterfly Valve	94,243.28	6,794.38
		For 200 PSI, Add	*30,814.52*	
		For Work In Restricted Working Space, Add	*2,594.22*	
23 05 23 00-0883	EA	54" Cast Iron Body, Bronze Disc, Gear Operated, 150 Lb., Lug Type, Butterfly Valve	113,455.25	8,153.25
		For 200 PSI, Add	*36,952.56*	
		For Work In Restricted Working Space, Add	*3,242.77*	

23 05 23 00-0884 Plastic Butterfly Valves *(23 05 23 00-0852)*

23 05 23 00-0885 Polyvinyl Chloride (PVC) Butterfly Valves, With Operator *(23 05 23 00-0884)*

23 05 23 00-0886 Polyvinyl Chloride (PVC) Butterfly Valves, Ethylene Propylene Diene Monomer (EPDM) Liner And Seals *(23 05 23 00-0885)*

23 05 23 00-0887	EA	1-1/2" Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	238.66	102.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0888	EA	2" Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	274.01	128.76
23 05 23 00-0889	EA	3" Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	315.26	150.90
23 05 23 00-0890	EA	4" Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	459.42	256.00
23 05 23 00-0891	EA	6" Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	649.27	316.68
23 05 23 00-0892	EA	8" Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	875.40	401.12
23 05 23 00-0893	EA	10" Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	1,376.18	475.02
23 05 23 00-0894	EA	12" Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	1,790.30	580.58
23 05 23 00-0895		**Polyvinyl Chloride (PVC) Butterfly Valves, Viton Liner And Seals** *(23 05 23 00-0885)*		
23 05 23 00-0896	EA	1-1/2" Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	359.38	102.42
23 05 23 00-0897	EA	2" Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	394.73	128.76
23 05 23 00-0898	EA	3" Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	458.68	150.90
23 05 23 00-0899	EA	4" Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	639.99	256.00
23 05 23 00-0900	EA	6" Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	963.96	316.68
23 05 23 00-0901	EA	8" Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	1,387.16	401.12
23 05 23 00-0902	EA	10" Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	2,552.40	475.02
23 05 23 00-0903	EA	12" Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	3,390.58	580.58
23 05 23 00-0904		**Polyvinyl Chloride (PVC)/Polypropylene Butterfly Valves, With Operator** *(23 05 23 00-0884)*		
23 05 23 00-0905		**Polyvinyl Chloride (PVC)/Polypropylene Butterfly Valves, Ethylene Propylene Diene Monomer (EPDM) Liner And Seals** *(23 05 23 00-0904)*		
23 05 23 00-0906	EA	2" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	284.53	128.76
23 05 23 00-0907	EA	2-1/2" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	292.28	129.35
23 05 23 00-0908	EA	3" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	322.74	150.90
23 05 23 00-0909	EA	4" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	457.84	256.00
23 05 23 00-0910	EA	6" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	643.10	316.68
23 05 23 00-0911	EA	8" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	961.00	401.12
23 05 23 00-0912	EA	10" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	1,507.45	475.02
23 05 23 00-0913	EA	12" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	1,937.50	580.58
23 05 23 00-0914		**Polyvinyl Chloride (PVC)/Polypropylene Butterfly Valves, Viton Liner And Seals** *(23 05 23 00-0904)*		
23 05 23 00-0915	EA	2" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals	347.93	53.26
23 05 23 00-0916	EA	2-1/2" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals	380.86	64.38
23 05 23 00-0917	EA	3" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals	400.02	71.79
23 05 23 00-0918	EA	4" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals	467.80	82.89
23 05 23 00-0919	EA	6" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals	750.65	134.74
23 05 23 00-0920	EA	8" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals	1,607.13	215.58
23 05 23 00-0921	EA	10" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals	2,392.52	239.29
23 05 23 00-0922	EA	12" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals	3,355.69	269.48
23 05 23 00-0923		**Polyvinylidene Fluoride (PVDF) Butterfly Valves, With Operator** *(23 05 23 00-0884)*		
23 05 23 00-0924		**Polyvinylidene Fluoride (PVDF) Butterfly Valves, Viton Liner And Seals** *(23 05 23 00-0923)*		
23 05 23 00-0925	EA	2" Butterfly Valve, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals	952.07	128.76
23 05 23 00-0926	EA	2-1/2" Butterfly Valve, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals	988.68	129.35
23 05 23 00-0927	EA	3" Butterfly Valve, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals	1,079.27	150.90
23 05 23 00-0928	EA	4" Butterfly Valve, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals	1,521.23	256.00
23 05 23 00-0929	EA	6" Butterfly Valve, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals	2,729.39	316.68
23 05 23 00-0930	EA	8" Butterfly Valve, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals	5,297.88	401.12
23 05 23 00-0931	EA	10" Butterfly Valve, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals	7,869.83	475.02
23 05 23 00-0932	EA	12" Butterfly Valve, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals	9,806.66	580.58
23 05 23 00-0933		**Carbon Steel Body, Stainless Steel Disc And Stem, High Performance Butterfly Valves (Nibco)** *(23 05 23 00-0852)*		
23 05 23 00-0934		**Carbon Steel Body, Stainless Steel Disc And Stem, 150 Lb., Lug Type, RPTFE Seats, Butterfly Valves With Bare Nut** *(23 05 23 00-0933)*		
23 05 23 00-0935	EA	2-1/2", 150 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Bare Nut (Nibco LCS-6822-0)	1,558.87	156.29
		For Work In Restricted Working Space, Add	*58.80*	
23 05 23 00-0936	EA	3", 150 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Bare Nut (Nibco LCS-6822-0)	1,662.84	183.25
		For Work In Restricted Working Space, Add	*68.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0937	EA	4", 150 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Bare Nut (Nibco LCS-6822-0)	2,062.00	307.20
		For Work In Restricted Working Space, Add	*115.49*	
23 05 23 00-0938	EA	5", 150 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Bare Nut (Nibco LCS-6822-0)	2,758.30	380.02
		For Work In Restricted Working Space, Add	*143.02*	
23 05 23 00-0939	EA	6", 150 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Bare Nut (Nibco LCS-6822-0)	3,029.65	422.24
		For Work In Restricted Working Space, Add	*158.34*	
23 05 23 00-0940	EA	8", 150 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Bare Nut (Nibco LCS-6822-0)	3,854.30	485.58
		For Work In Restricted Working Space, Add	*180.96*	
23 05 23 00-0941	EA	10", 150 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Bare Nut (Nibco LCS-6822-0)	5,667.05	591.14
		For Work In Restricted Working Space, Add	*221.68*	
23 05 23 00-0942	EA	12", 150 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Bare Nut (Nibco LCS-6822-0)	7,550.32	717.80
		For Work In Restricted Working Space, Add	*268.70*	
23 05 23 00-0943	EA	14", 150 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Bare Nut (Nibco LCS-6822-0)	9,530.89	953.86
		For Work In Restricted Working Space, Add	*381.54*	
23 05 23 00-0944	EA	16", 150 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Bare Nut (Nibco LCS-6822-0)	13,717.67	1,119.19
		For Work In Restricted Working Space, Add	*419.70*	
23 05 23 00-0945	EA	18", 150 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Bare Nut (Nibco LCS-6822-0)	16,426.60	1,246.37
		For Work In Restricted Working Space, Add	*466.33*	
23 05 23 00-0946	EA	20", 150 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Bare Nut (Nibco LCS-6822-0)	19,741.32	1,398.99
		For Work In Restricted Working Space, Add	*524.62*	
23 05 23 00-0947	EA	24", 150 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Bare Nut (Nibco LCS-6822-0)	29,927.89	1,716.94
		For Work In Restricted Working Space, Add	*645.69*	

23 05 23 00-0948 Carbon Steel Body, Stainless Steel Disc And Stem, 300 Lb., Lug Type, RPTFE Seats, Butterfly Valves With Bare Nut *(23 05 23 00-0933)*

23 05 23 00-0949	EA	2-1/2", 300 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Bare Nut (Nibco LCS-7822-0)	1,680.30	156.29
		For Work In Restricted Working Space, Add	*58.80*	
23 05 23 00-0950	EA	3", 300 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Bare Nut (Nibco LCS-7822-0)	1,775.04	183.25
		For Work In Restricted Working Space, Add	*68.81*	
23 05 23 00-0951	EA	4", 300 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Bare Nut (Nibco LCS-7822-0)	2,212.48	307.20
		For Work In Restricted Working Space, Add	*115.49*	
23 05 23 00-0952	EA	5", 300 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Bare Nut (Nibco LCS-6822-0)	3,020.97	380.02
		For Work In Restricted Working Space, Add	*143.02*	
23 05 23 00-0953	EA	6", 300 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Bare Nut (Nibco LCS-7822-0)	3,444.95	422.24
		For Work In Restricted Working Space, Add	*158.34*	
23 05 23 00-0954	EA	8", 300 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Bare Nut (Nibco LCS-7822-0)	4,852.86	485.58
		For Work In Restricted Working Space, Add	*180.96*	
23 05 23 00-0955	EA	10", 300 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Bare Nut (Nibco LCS-7822-0)	7,171.16	591.14
		For Work In Restricted Working Space, Add	*221.68*	
23 05 23 00-0956	EA	12", 300 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Bare Nut (Nibco LCS-7822-0)	10,397.51	717.80
		For Work In Restricted Working Space, Add	*268.70*	
23 05 23 00-0957	EA	14", 300 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Bare Nut (Nibco LCS-7822-0)	17,852.15	953.86
		For Work In Restricted Working Space, Add	*381.54*	
23 05 23 00-0958	EA	16", 300 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Bare Nut (Nibco LCS-7822-0)	19,995.10	1,119.19
		For Work In Restricted Working Space, Add	*419.70*	
23 05 23 00-0959	EA	18", 300 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Bare Nut (Nibco LCS-7822-0)	26,990.87	1,246.37
		For Work In Restricted Working Space, Add	*466.33*	
23 05 23 00-0960	EA	20", 300 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Bare Nut (Nibco LCS-7822-0)	32,824.23	1,398.99
		For Work In Restricted Working Space, Add	*524.62*	
23 05 23 00-0961	EA	24", 300 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Bare Nut (Nibco LCS-7822-0)	44,495.53	1,716.94
		For Work In Restricted Working Space, Add	*645.69*	

23 05 23 00-0962 Carbon Steel Body, Stainless Steel Disc And Stem, 150 Lb., Lug Type, RPTFE Seats, Butterfly Valves With Lever Handle *(23 05 23 00-0933)*

23 05 23 00-0963	EA	2-1/2", 150 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Lever Handle (Nibco LCS-6822-3)	1,607.54	156.29
		For Work In Restricted Working Space, Add	*58.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0964	EA	3", 150 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Lever Handle (Nibco LCS-6822-3)	1,698.66	183.25
		For Work In Restricted Working Space, Add	*68.81*	
23 05 23 00-0965	EA	4", 150 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Lever Handle (Nibco LCS-6822-3)	2,084.67	307.20
		For Work In Restricted Working Space, Add	*115.49*	
23 05 23 00-0966	EA	5", 150 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Lever Handle (Nibco LCS-6822-3)	2,821.51	380.02
		For Work In Restricted Working Space, Add	*143.02*	
23 05 23 00-0967	EA	6", 150 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Lever Handle (Nibco LCS-6822-3)	3,256.85	422.24
		For Work In Restricted Working Space, Add	*158.34*	

23 05 23 00-0968 Carbon Steel Body, Stainless Steel Disc And Stem, 300 Lb., Lug Type, RPTFE Seats, Butterfly Valves With Lever Handle *(23 05 23 00-0933)*

23 05 23 00-0969	EA	2-1/2", 300 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Lever Handle (Nibco LCS-7822-3)	1,784.71	156.29
		For Work In Restricted Working Space, Add	*58.80*	
23 05 23 00-0970	EA	3", 300 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Lever Handle (Nibco LCS-7822-3)	1,878.43	183.25
		For Work In Restricted Working Space, Add	*68.81*	
23 05 23 00-0971	EA	4", 300 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Lever Handle (Nibco LCS-7822-3)	2,311.82	307.20
		For Work In Restricted Working Space, Add	*115.49*	
23 05 23 00-0972	EA	5", 300 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Lever Handle (Nibco LCS-6822-3)	3,109.02	380.02
		For Work In Restricted Working Space, Add	*143.02*	
23 05 23 00-0973	EA	6", 300 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Lever Handle (Nibco LCS-7822-3)	3,598.06	422.24
		For Work In Restricted Working Space, Add	*158.34*	

23 05 23 00-0974 Carbon Steel Body, Stainless Steel Disc And Stem, 150 Lb., Lug Type, RPTFE Seats, Butterfly Valves With Gear Operator *(23 05 23 00-0933)*

23 05 23 00-0975	EA	2-1/2", 150 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Gear Operator (Nibco LCS-6822-5)	1,766.53	156.29
		For Work In Restricted Working Space, Add	*58.79*	
23 05 23 00-0976	EA	3", 150 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Gear Operator (Nibco LCS-6822-5)	1,884.92	183.25
		For Work In Restricted Working Space, Add	*68.81*	
23 05 23 00-0977	EA	4", 150 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Gear Operator (Nibco LCS-6822-5)	2,298.19	307.20
		For Work In Restricted Working Space, Add	*115.49*	
23 05 23 00-0978	EA	5", 150 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Gear Operator (Nibco LCS-6822-5)	3,077.22	380.02
		For Work In Restricted Working Space, Add	*143.02*	
23 05 23 00-0979	EA	6", 150 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Gear Operator (Nibco LCS-6822-5)	3,650.08	422.24
		For Work In Restricted Working Space, Add	*158.34*	
23 05 23 00-0980	EA	8", 150 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Gear Operator (Nibco LCS-6822-5)	4,414.71	485.58
		For Work In Restricted Working Space, Add	*180.96*	
23 05 23 00-0981	EA	10", 150 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Gear Operator (Nibco LCS-6822-5)	7,220.37	591.14
		For Work In Restricted Working Space, Add	*221.68*	
23 05 23 00-0982	EA	12", 150 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Gear Operator (Nibco LCS-6822-5)	9,288.38	717.80
		For Work In Restricted Working Space, Add	*268.70*	
23 05 23 00-0983	EA	14", 150 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Gear Operator (Nibco LCS-6822-5)	12,440.24	953.86
		For Work In Restricted Working Space, Add	*381.54*	
23 05 23 00-0984	EA	16", 150 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Gear Operator (Nibco LCS-6822-5)	17,070.76	1,119.19
		For Work In Restricted Working Space, Add	*419.70*	
23 05 23 00-0985	EA	18", 150 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Gear Operator (Nibco LCS-6822-5)	19,517.13	1,246.37
		For Work In Restricted Working Space, Add	*466.33*	
23 05 23 00-0986	EA	20", 150 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Gear Operator (Nibco LCS-6822-5)	25,790.50	1,398.99
		For Work In Restricted Working Space, Add	*524.62*	
23 05 23 00-0987	EA	24", 150 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Gear Operator (Nibco LCS-6822-5)	37,513.71	1,716.94
		For Work In Restricted Working Space, Add	*645.69*	

23 05 23 00-0988 Carbon Steel Body, Stainless Steel Disc And Stem, 300 Lb., Lug Type, RPTFE Seats, Butterfly Valves With Gear Operator *(23 05 23 00-0933)*

23 05 23 00-0989	EA	2-1/2", 300 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Gear Operator (Nibco LCS-7822-5)	1,985.24	156.29
		For Work In Restricted Working Space, Add	*58.79*	
23 05 23 00-0990	EA	3", 300 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Gear Operator (Nibco LCS-7822-5)	2,131.53	183.25
		For Work In Restricted Working Space, Add	*68.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0991	EA	4", 300 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Gear Operator (Nibco LCS-7822-5)	2,581.15	307.20
		For Work In Restricted Working Space, Add	*115.49*	
23 05 23 00-0992	EA	5", 300 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Gear Operator (Nibco LCS-6822-5)	3,432.21	380.02
		For Work In Restricted Working Space, Add	*143.02*	
23 05 23 00-0993	EA	6", 300 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Gear Operator (Nibco LCS-7822-5)	4,196.67	422.24
		For Work In Restricted Working Space, Add	*158.34*	
23 05 23 00-0994	EA	8", 300 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Gear Operator (Nibco LCS-7822-5)	6,080.01	485.58
		For Work In Restricted Working Space, Add	*180.96*	
23 05 23 00-0995	EA	10", 300 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Gear Operator (Nibco LCS-7822-5)	8,256.80	591.14
		For Work In Restricted Working Space, Add	*221.68*	
23 05 23 00-0996	EA	12", 300 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Gear Operator (Nibco LCS-7822-5)	11,627.06	717.80
		For Work In Restricted Working Space, Add	*268.70*	
23 05 23 00-0997	EA	14", 300 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Gear Operator (Nibco LCS-7822-5)	21,339.16	953.86
		For Work In Restricted Working Space, Add	*381.54*	
23 05 23 00-0998	EA	16", 300 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Gear Operator (Nibco LCS-7822-5)	25,225.29	1,119.19
		For Work In Restricted Working Space, Add	*419.70*	
23 05 23 00-0999	EA	18", 300 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Gear Operator (Nibco LCS-7822-5)	32,444.32	1,246.37
		For Work In Restricted Working Space, Add	*466.33*	
23 05 23 00-1000	EA	20", 300 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Gear Operator (Nibco LCS-7822-5)	41,148.80	1,398.99
		For Work In Restricted Working Space, Add	*524.62*	
23 05 23 00-1001	EA	24", 300 PSI, Carbon Steel Body, Stainless Steel Disc And Stem, RPTFE Seats, Butterfly Valve With Gear Operator (Nibco LCS-7822-5)	53,055.03	1,716.94
		For Work In Restricted Working Space, Add	*645.69*	

23 05 23 00-1002 Stainless Steel Body, Stainless Steel Disc And Stem, High Performance Butterfly Valves (FNW) *(23 05 23 00-0852)*

23 05 23 00-1003	EA	6", Stainless Steel Body, Stainless Steel Disc And Stem, High Performance Butterfly Valve, Class 150 (FNW HPA Series)	4,201.16	422.24
		For Work In Restricted Working Space, Add	*158.34*	
23 05 23 00-1004	EA	8", Stainless Steel Body, Stainless Steel Disc And Stem, High Performance Butterfly Valve, Class 150 (FNW HPA Series)	5,962.47	485.58
		For Work In Restricted Working Space, Add	*180.96*	
23 05 23 00-1005	EA	10", Stainless Steel Body, Stainless Steel Disc And Stem, High Performance Butterfly Valve, Class 150 (FNW HPA Series)	8,217.27	591.14
		For Work In Restricted Working Space, Add	*221.68*	
23 05 23 00-1006	EA	12", Stainless Steel Body, Stainless Steel Disc And Stem, High Performance Butterfly Valve, Class 150 (FNW HPA Series)	10,968.71	717.80
		For Work In Restricted Working Space, Add	*268.70*	
23 05 23 00-1007	EA	14", Stainless Steel Body, Stainless Steel Disc And Stem, High Performance Butterfly Valve, Class 150 (FNW HPA Series)	14,512.84	953.86
		For Work In Restricted Working Space, Add	*381.54*	
23 05 23 00-1008	EA	16", Stainless Steel Body, Stainless Steel Disc And Stem, High Performance Butterfly Valve, Class 150 (FNW HPA Series)	20,622.46	1,119.19
		For Work In Restricted Working Space, Add	*419.70*	
23 05 23 00-1009	EA	18", Stainless Steel Body, Stainless Steel Disc And Stem, High Performance Butterfly Valve, Class 150 (FNW HPA Series)	24,126.77	1,246.37
		For Work In Restricted Working Space, Add	*465.48*	
23 05 23 00-1010	EA	20", Stainless Steel Body, Stainless Steel Disc And Stem, High Performance Butterfly Valve, Class 150 (FNW HPA Series)	28,460.11	1,398.99
		For Work In Restricted Working Space, Add	*524.62*	
23 05 23 00-1011	EA	24", Stainless Steel Body, Stainless Steel Disc And Stem, High Performance Butterfly Valve, Class 150 (FNW HPA Series)	44,279.00	1,716.94
		For Work In Restricted Working Space, Add	*645.69*	

23 05 23 00-1012 Bronze Body, Stainless Steel Disc, Slow Close Butterfly Valves, 175 Lb. *(23 05 23 00-0852)*

Note: (Milwaukee Valve Company BB-SC 100)

23 05 23 00-1013	EA	1" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close, 175 Lb.	540.99	14.63
		For Work In Restricted Working Space, Add	*18.48*	
23 05 23 00-1014	EA	1-1/4" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close, 175 Lb.	587.72	15.57
		For Work In Restricted Working Space, Add	*23.41*	
23 05 23 00-1015	EA	1-1/2" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close, 175 Lb.	738.27	18.02
		For Work In Restricted Working Space, Add	*27.01*	
23 05 23 00-1016	EA	2" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close, 175 Lb.	926.70	21.30
		For Work In Restricted Working Space, Add	*31.93*	
23 05 23 00-1017	EA	2-1/2" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close, 175 Lb.	1,243.52	28.78
		For Work In Restricted Working Space, Add	*43.12*	

23 05 23 00-1018 Bronze Body, Stainless Steel Disc, Slow Close Butterfly Valves, With Tamper Switch, 175 Lb. *(23 05 23 00-0852)*

Note: (Milwaukee Valve Company BB-S02)

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-1019	EA	1" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close With Tamper Switch, 175 Lb.	820.07	14.63
		For Work In Restricted Working Space, Add	*18.48*	
23 05 23 00-1020	EA	1-1/4" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close With Tamper Switch, 175 Lb.	884.75	15.57
		For Work In Restricted Working Space, Add	*23.41*	
23 05 23 00-1021	EA	1-1/2" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close With Tamper Switch, 175 Lb.	1,059.02	18.02
		For Work In Restricted Working Space, Add	*27.01*	
23 05 23 00-1022	EA	2" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close With Tamper Switch, 175 Lb.	1,268.34	21.30
		For Work In Restricted Working Space, Add	*31.93*	
23 05 23 00-1023	EA	2-1/2" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close With Tamper Switch, 175 Lb.	1,621.32	28.78
		For Work In Restricted Working Space, Add	*43.12*	

23 05 29 Hangers and Supports for HVAC Piping and Equipment *(23 05)*

23 05 29 00-0001 Hangers And Supports *(23 05 29)*

23 05 29 00-0002 Clevis Hangers *(23 05 29 00-0001)*

23 05 29 00-0003 Steel Clevis Hanger (Cooper B-Line B3100) *(23 05 29 00-0002)*

Note: Type 1.

23 05 29 00-0004	EA	1/2" Steel Clevis Hanger (Cooper B-Line B3100)	21.15	9.70
		For Work In Restricted Working Space, Add	*5.82*	
23 05 29 00-0005	EA	3/4" Steel Clevis Hanger (Cooper B-Line B3100)	23.31	10.78
		For Work In Restricted Working Space, Add	*6.47*	
23 05 29 00-0006	EA	1" Steel Clevis Hanger (Cooper B-Line B3100)	24.50	10.78
		For Work In Restricted Working Space, Add	*6.81*	
23 05 29 00-0007	EA	1-1/4" Steel Clevis Hanger (Cooper B-Line B3100)	25.41	11.66
		For Work In Restricted Working Space, Add	*7.00*	
23 05 29 00-0008	EA	1-1/2" Steel Clevis Hanger (Cooper B-Line B3100)	25.64	11.66
		For Work In Restricted Working Space, Add	*7.00*	
23 05 29 00-0009	EA	2" Steel Clevis Hanger (Cooper B-Line B3100)	26.72	11.86
		For Work In Restricted Working Space, Add	*7.19*	
23 05 29 00-0010	EA	2-1/2" Steel Clevis Hanger (Cooper B-Line B3100)	29.13	12.29
		For Work In Restricted Working Space, Add	*7.40*	
23 05 29 00-0011	EA	3" Steel Clevis Hanger (Cooper B-Line B3100)	31.00	12.93
		For Work In Restricted Working Space, Add	*7.61*	
23 05 29 00-0012	EA	3-1/2" Steel Clevis Hanger (Cooper B-Line B3100)	32.46	14.20
		For Work In Restricted Working Space, Add	*8.12*	
23 05 29 00-0013	EA	4" Steel Clevis Hanger (Cooper B-Line B3100)	35.54	15.09
		For Work In Restricted Working Space, Add	*8.63*	
23 05 29 00-0014	EA	5" Steel Clevis Hanger (Cooper B-Line B3100)	45.50	18.05
		For Work In Restricted Working Space, Add	*10.83*	
23 05 29 00-0015	EA	6" Steel Clevis Hanger (Cooper B-Line B3100)	54.71	21.56
		For Work In Restricted Working Space, Add	*12.93*	
23 05 29 00-0016	EA	8" Steel Clevis Hanger (Cooper B-Line B3100)	73.11	26.95
		For Work In Restricted Working Space, Add	*16.17*	
23 05 29 00-0017	EA	10" Steel Clevis Hanger (Cooper B-Line B3100)	106.09	36.65
		For Work In Restricted Working Space, Add	*21.56*	
23 05 29 00-0018	EA	12" Steel Clevis Hanger (Cooper B-Line B3100)	123.98	40.42
		For Work In Restricted Working Space, Add	*24.26*	
23 05 29 00-0019	EA	14" Steel Clevis Hanger (Cooper B-Line B3100)	153.45	45.27
		For Work In Restricted Working Space, Add	*27.81*	
23 05 29 00-0020	EA	16" Steel Clevis Hanger (Cooper B-Line B3100)	190.26	53.90
		For Work In Restricted Working Space, Add	*32.34*	
23 05 29 00-0021	EA	18" Steel Clevis Hanger (Cooper B-Line B3100)	237.17	67.37
		For Work In Restricted Working Space, Add	*40.42*	
23 05 29 00-0022	EA	20" Steel Clevis Hanger (Cooper B-Line B3100)	376.93	80.85
		For Work In Restricted Working Space, Add	*48.51*	
23 05 29 00-0023	EA	24" Steel Clevis Hanger (Cooper B-Line B3100)	568.84	94.31
		For Work In Restricted Working Space, Add	*56.59*	

23 05 29 00-0024 Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) *(23 05 29 00-0002)*

23 05 29 00-0025	EA	1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	25.79	9.70
		For Work In Restricted Working Space, Add	*5.82*	
23 05 29 00-0026	EA	3/4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	27.95	10.78
		For Work In Restricted Working Space, Add	*6.47*	
23 05 29 00-0027	EA	1" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	29.25	10.78
		For Work In Restricted Working Space, Add	*6.81*	
23 05 29 00-0028	EA	1-1/4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	30.25	11.66
		For Work In Restricted Working Space, Add	*7.00*	
23 05 29 00-0029	EA	1-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	30.84	11.66
		For Work In Restricted Working Space, Add	*7.00*	
23 05 29 00-0030	EA	2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	31.63	11.86
		For Work In Restricted Working Space, Add	*7.19*	
23 05 29 00-0031	EA	2-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	35.13	12.29
		For Work In Restricted Working Space, Add	*7.40*	
23 05 29 00-0032	EA	3" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	36.80	12.93
		For Work In Restricted Working Space, Add	*7.61*	
23 05 29 00-0033	EA	3-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	41.31	15.09
		For Work In Restricted Working Space, Add	*8.63*	
23 05 29 00-0034	EA	4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	45.22	15.09
		For Work In Restricted Working Space, Add	*8.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0035	EA	5" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	72.81	18.05
		For Work In Restricted Working Space, Add	*10.83*	
23 05 29 00-0036	EA	6" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	90.03	21.56
		For Work In Restricted Working Space, Add	*12.93*	
23 05 29 00-0037	EA	8" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	107.54	26.95
		For Work In Restricted Working Space, Add	*16.17*	
23 05 29 00-0038		Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) *(23 05 29 00-0002)*		
23 05 29 00-0039	EA	1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	20.98	9.70
		For Work In Restricted Working Space, Add	*5.82*	
23 05 29 00-0040	EA	3/4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	23.18	10.78
		For Work In Restricted Working Space, Add	*6.47*	
23 05 29 00-0041	EA	1" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	24.47	10.78
		For Work In Restricted Working Space, Add	*6.81*	
23 05 29 00-0042	EA	1-1/4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	25.14	11.66
		For Work In Restricted Working Space, Add	*7.00*	
23 05 29 00-0043	EA	1-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	25.28	11.66
		For Work In Restricted Working Space, Add	*7.00*	
23 05 29 00-0044	EA	2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	25.99	11.86
		For Work In Restricted Working Space, Add	*7.19*	
23 05 29 00-0045	EA	2-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	28.18	12.29
		For Work In Restricted Working Space, Add	*7.40*	
23 05 29 00-0046	EA	3" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	29.38	12.93
		For Work In Restricted Working Space, Add	*7.61*	
23 05 29 00-0047	EA	3-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	33.13	15.09
		For Work In Restricted Working Space, Add	*8.63*	
23 05 29 00-0048	EA	4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	34.06	15.09
		For Work In Restricted Working Space, Add	*8.63*	
23 05 29 00-0049		Extended Steel Clevis Hanger (Cooper B-Line B3108) *(23 05 29 00-0002)*		
23 05 29 00-0050	EA	3/4" Steel Extended Clevis Hanger (Cooper B-Line B3108)	28.98	10.78
		For Work In Restricted Working Space, Add	*6.47*	
23 05 29 00-0051	EA	1" Steel Extended Clevis Hanger (Cooper B-Line B3108)	30.17	10.78
		For Work In Restricted Working Space, Add	*6.81*	
23 05 29 00-0052	EA	1-1/4" Steel Extended Clevis Hanger (Cooper B-Line B3108)	30.81	11.66
		For Work In Restricted Working Space, Add	*7.00*	
23 05 29 00-0053	EA	1-1/2" Steel Extended Clevis Hanger (Cooper B-Line B3108)	31.73	11.66
		For Work In Restricted Working Space, Add	*7.00*	
23 05 29 00-0054	EA	2" Steel Extended Clevis Hanger (Cooper B-Line B3108)	33.90	11.86
		For Work In Restricted Working Space, Add	*7.19*	
23 05 29 00-0055	EA	2-1/2" Steel Extended Clevis Hanger (Cooper B-Line B3108)	36.22	12.29
		For Work In Restricted Working Space, Add	*7.40*	
23 05 29 00-0056	EA	3" Steel Extended Clevis Hanger (Cooper B-Line B3108)	37.95	12.93
		For Work In Restricted Working Space, Add	*7.61*	
23 05 29 00-0057	EA	4" Steel Extended Clevis Hanger (Cooper B-Line B3108)	45.36	15.09
		For Work In Restricted Working Space, Add	*8.63*	
23 05 29 00-0058	EA	5" Steel Extended Clevis Hanger (Cooper B-Line B3108)	57.20	18.05
		For Work In Restricted Working Space, Add	*10.83*	
23 05 29 00-0059	EA	6" Steel Extended Clevis Hanger (Cooper B-Line B3108)	70.39	21.56
		For Work In Restricted Working Space, Add	*12.93*	
23 05 29 00-0060	EA	8" Steel Extended Clevis Hanger (Cooper B-Line B3108)	98.84	26.95
		For Work In Restricted Working Space, Add	*16.17*	
23 05 29 00-0061	EA	10" Steel Extended Clevis Hanger (Cooper B-Line B3108)	138.32	36.65
		For Work In Restricted Working Space, Add	*21.56*	
23 05 29 00-0062	EA	12" Steel Extended Clevis Hanger (Cooper B-Line B3108)	155.38	40.42
		For Work In Restricted Working Space, Add	*24.26*	
23 05 29 00-0063		Steel Clevis Hanger, Flat Top (Cooper B-Line B3109) *(23 05 29 00-0002)*		
23 05 29 00-0064	EA	2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	34.99	11.86
		For Work In Restricted Working Space, Add	*7.19*	
23 05 29 00-0065	EA	2-1/2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	37.24	12.29
		For Work In Restricted Working Space, Add	*7.40*	
23 05 29 00-0066	EA	3" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	39.10	12.93
		For Work In Restricted Working Space, Add	*7.61*	
23 05 29 00-0067	EA	3-1/2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	43.38	15.09
		For Work In Restricted Working Space, Add	*8.63*	
23 05 29 00-0068	EA	4" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	45.68	15.09
		For Work In Restricted Working Space, Add	*8.63*	
23 05 29 00-0069	EA	5" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	56.77	18.05
		For Work In Restricted Working Space, Add	*10.83*	
23 05 29 00-0070	EA	6" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	66.37	21.56
		For Work In Restricted Working Space, Add	*12.93*	
23 05 29 00-0071	EA	8" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	87.70	26.95
		For Work In Restricted Working Space, Add	*16.17*	
23 05 29 00-0072		Adjustable Hangers *(23 05 29 00-0001)*		
23 05 29 00-0073		Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) *(23 05 29 00-0072)*		
		Note: Type 5.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0074	EA	1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	19.24	8.50
		For Work In Restricted Working Space, Add	*5.10*	
23 05 29 00-0075	EA	3/4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	21.10	9.43
		For Work In Restricted Working Space, Add	*5.66*	
23 05 29 00-0076	EA	1" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	23.18	10.48
		For Work In Restricted Working Space, Add	*6.29*	
23 05 29 00-0077	EA	1-1/4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	25.60	11.64
		For Work In Restricted Working Space, Add	*6.99*	
23 05 29 00-0078	EA	1-1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	26.90	12.22
		For Work In Restricted Working Space, Add	*7.34*	
23 05 29 00-0079	EA	2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	28.74	12.81
		For Work In Restricted Working Space, Add	*7.68*	
23 05 29 00-0080	EA	2-1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	32.79	13.39
		For Work In Restricted Working Space, Add	*8.04*	
23 05 29 00-0081	EA	3" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	34.24	13.97
		For Work In Restricted Working Space, Add	*8.38*	
23 05 29 00-0082	EA	4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	40.60	15.72
		For Work In Restricted Working Space, Add	*9.43*	

23 05 29 00-0083 Adjustable Swivel Steel Ring (Cooper B-Line B3170) *(23 05 29 00-0072)*

Note: Type 10.

23 05 29 00-0084	EA	1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	22.58	10.78
		For Work In Restricted Working Space, Add	*6.47*	
		For 304 Stainless Steel, Add	*6.73*	
		For 316 Stainless Steel, Add	*8.67*	
23 05 29 00-0085	EA	3/4" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	23.81	10.78
		For Work In Restricted Working Space, Add	*6.81*	
		For 304 Stainless Steel, Add	*7.39*	
		For 316 Stainless Steel, Add	*9.52*	
23 05 29 00-0086	EA	1" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	25.07	11.86
		For Work In Restricted Working Space, Add	*7.19*	
		For 304 Stainless Steel, Add	*7.39*	
		For 316 Stainless Steel, Add	*9.52*	
23 05 29 00-0087	EA	1-1/4" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	26.61	12.93
		For Work In Restricted Working Space, Add	*7.61*	
		For 304 Stainless Steel, Add	*8.25*	
		For 316 Stainless Steel, Add	*10.63*	
23 05 29 00-0088	EA	1-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	30.00	15.09
		For Work In Restricted Working Space, Add	*8.63*	
		For 304 Stainless Steel, Add	*8.25*	
		For 316 Stainless Steel, Add	*10.63*	
23 05 29 00-0089	EA	2" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	32.11	15.09
		For Work In Restricted Working Space, Add	*9.24*	
		For 304 Stainless Steel, Add	*8.71*	
		For 316 Stainless Steel, Add	*11.22*	
23 05 29 00-0090	EA	2-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	35.31	16.17
		For Work In Restricted Working Space, Add	*9.95*	
		For 304 Stainless Steel, Add	*14.12*	
		For 316 Stainless Steel, Add	*18.19*	
23 05 29 00-0091	EA	3" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	38.17	18.32
		For Work In Restricted Working Space, Add	*10.78*	
		For 304 Stainless Steel, Add	*14.78*	
		For 316 Stainless Steel, Add	*19.04*	
23 05 29 00-0092	EA	3-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	42.34	19.67
		For Work In Restricted Working Space, Add	*11.80*	
		For 304 Stainless Steel, Add	*19.80*	
		For 316 Stainless Steel, Add	*25.50*	
23 05 29 00-0093	EA	4" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	46.11	21.56
		For Work In Restricted Working Space, Add	*12.93*	
		For 304 Stainless Steel, Add	*19.80*	
		For 316 Stainless Steel, Add	*25.50*	
23 05 29 00-0094	EA	5" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	54.73	24.26
		For Work In Restricted Working Space, Add	*14.55*	
		For 304 Stainless Steel, Add	*41.12*	
		For 316 Stainless Steel, Add	*52.96*	
23 05 29 00-0095	EA	6" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	60.23	26.95
		For Work In Restricted Working Space, Add	*16.17*	
		For 304 Stainless Steel, Add	*41.78*	
		For 316 Stainless Steel, Add	*53.81*	
23 05 29 00-0096	EA	8" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	72.19	32.33
		For Work In Restricted Working Space, Add	*19.40*	
		For 304 Stainless Steel, Add	*49.57*	
		For 316 Stainless Steel, Add	*63.84*	

23 05 29 00-0097 Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) *(23 05 29 00-0072)*

23 05 29 00-0098	EA	1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	25.30	10.78
		For Work In Restricted Working Space, Add	*6.47*	
		For 304 Stainless Steel, Add	*24.68*	
		For 316 Stainless Steel, Add	*31.79*	
23 05 29 00-0099	EA	3/4" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	26.43	10.78
		For Work In Restricted Working Space, Add	*6.81*	
		For 304 Stainless Steel, Add	*24.68*	
		For 316 Stainless Steel, Add	*31.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0100	EA	1" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	27.69	11.86
		For Work In Restricted Working Space, Add	*7.19*	
		For 304 Stainless Steel, Add	*24.68*	
		For 316 Stainless Steel, Add	*31.79*	
23 05 29 00-0101	EA	1-1/4" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	29.10	12.93
		For Work In Restricted Working Space, Add	*7.61*	
		For 304 Stainless Steel, Add	*24.68*	
		For 316 Stainless Steel, Add	*31.79*	
23 05 29 00-0102	EA	1-1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	32.80	15.09
		For Work In Restricted Working Space, Add	*8.63*	
		For 304 Stainless Steel, Add	*26.73*	
		For 316 Stainless Steel, Add	*34.43*	
23 05 29 00-0103	EA	2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	34.84	15.09
		For Work In Restricted Working Space, Add	*9.24*	
		For 304 Stainless Steel, Add	*26.73*	
		For 316 Stainless Steel, Add	*34.43*	
23 05 29 00-0104	EA	2-1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	43.80	16.17
		For Work In Restricted Working Space, Add	*9.95*	
		For 304 Stainless Steel, Add	*70.16*	
		For 316 Stainless Steel, Add	*90.36*	
23 05 29 00-0105	EA	3" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	49.10	18.32
		For Work In Restricted Working Space, Add	*10.78*	
		For 304 Stainless Steel, Add	*86.92*	
		For 316 Stainless Steel, Add	*111.95*	
23 05 29 00-0106	EA	3-1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	53.55	19.67
		For Work In Restricted Working Space, Add	*11.80*	
		For 304 Stainless Steel, Add	*93.79*	
		For 316 Stainless Steel, Add	*120.79*	
23 05 29 00-0107	EA	4" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	60.41	21.56
		For Work In Restricted Working Space, Add	*12.93*	
		For 304 Stainless Steel, Add	*114.18*	
		For 316 Stainless Steel, Add	*147.05*	
23 05 29 00-0108	EA	5" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	66.04	24.26
		For Work In Restricted Working Space, Add	*14.55*	
		For 304 Stainless Steel, Add	*115.76*	
		For 316 Stainless Steel, Add	*149.09*	
23 05 29 00-0109	EA	6" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	79.29	26.95
		For Work In Restricted Working Space, Add	*16.17*	
		For 304 Stainless Steel, Add	*167.57*	
		For 316 Stainless Steel, Add	*215.82*	
23 05 29 00-0110		Roller Hangers *(23 05 29 00-0001)*		
23 05 29 00-0111		Single Pipe Roll (Cooper B-Line B3114) *(23 05 29 00-0110)*		
		Note: Excludes rod and nuts. Type 41.		
23 05 29 00-0112	EA	2" Single Pipe Roll (Cooper B-Line B3114)	31.78	8.63
		Note: Excludes rod and nuts.		
		For Work In Restricted Working Space, Add	*5.18*	
23 05 29 00-0113	EA	2-1/2" Single Pipe Roll (Cooper B-Line B3114)	35.03	9.71
		Note: Excludes rod and nuts.		
		For Work In Restricted Working Space, Add	*5.82*	
23 05 29 00-0114	EA	3" Single Pipe Roll (Cooper B-Line B3114)	39.12	11.33
		Note: Excludes rod and nuts.		
		For Work In Restricted Working Space, Add	*6.80*	
23 05 29 00-0115	EA	3-1/2" Single Pipe Roll (Cooper B-Line B3114)	44.99	12.94
		Note: Excludes rod and nuts.		
		For Work In Restricted Working Space, Add	*7.76*	
23 05 29 00-0116	EA	4" Single Pipe Roll (Cooper B-Line B3114)	61.31	14.56
		Note: Excludes rod and nuts.		
		For Work In Restricted Working Space, Add	*8.74*	
23 05 29 00-0117	EA	5" Single Pipe Roll (Cooper B-Line B3114)	55.54	16.18
		Note: Excludes rod and nuts.		
		For Work In Restricted Working Space, Add	*9.71*	
23 05 29 00-0118	EA	6" Single Pipe Roll (Cooper B-Line B3114)	68.93	19.41
		Note: Excludes rod and nuts.		
		For Work In Restricted Working Space, Add	*11.65*	
23 05 29 00-0119	EA	8" Single Pipe Roll (Cooper B-Line B3114)	92.01	22.65
		Note: Excludes rod and nuts.		
		For Work In Restricted Working Space, Add	*13.59*	
23 05 29 00-0120	EA	10" Single Pipe Roll (Cooper B-Line B3114)	109.12	26.96
		Note: Excludes rod and nuts.		
		For Work In Restricted Working Space, Add	*16.18*	
23 05 29 00-0121		Adjustable Clevis Roller Hanger (Cooper B-Line B3110) *(23 05 29 00-0110)*		
		Note: Type 43.		
23 05 29 00-0122	EA	2" Steel Clevis Roller Hanger (Cooper B-Line B3110)	47.83	15.22
		For Work In Restricted Working Space, Add	*8.78*	
		For 304 Stainless Steel, Add	*122.43*	
		For 316 Stainless Steel, Add	*157.68*	
23 05 29 00-0123	EA	2-1/2" Steel Clevis Roller Hanger (Cooper B-Line B3110)	49.93	15.69
		For Work In Restricted Working Space, Add	*9.41*	
		For 304 Stainless Steel, Add	*122.43*	
		For 316 Stainless Steel, Add	*157.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0124	EA	3" Steel Clevis Roller Hanger (Cooper B-Line B3110)	54.15	16.40
		For Work In Restricted Working Space, Add	*10.04*	
		For 304 Stainless Steel, Add	*136.55*	
		For 316 Stainless Steel, Add	*175.87*	
23 05 29 00-0125	EA	3-1/2" Steel Clevis Roller Hanger (Cooper B-Line B3110)	62.67	17.57
		For Work In Restricted Working Space, Add	*10.54*	
		For 304 Stainless Steel, Add	*181.76*	
		For 316 Stainless Steel, Add	*234.09*	
23 05 29 00-0126	EA	4" Steel Clevis Roller Hanger (Cooper B-Line B3110)	66.57	19.90
		For Work In Restricted Working Space, Add	*11.71*	
		For 304 Stainless Steel, Add	*181.76*	
		For 316 Stainless Steel, Add	*234.09*	
23 05 29 00-0127	EA	5" Steel Clevis Roller Hanger (Cooper B-Line B3110)	75.02	21.43
		For Work In Restricted Working Space, Add	*12.86*	
		For 304 Stainless Steel, Add	*212.26*	
		For 316 Stainless Steel, Add	*273.36*	
23 05 29 00-0128	EA	6" Steel Clevis Roller Hanger (Cooper B-Line B3110)	86.78	23.42
		For Work In Restricted Working Space, Add	*14.06*	
		For 304 Stainless Steel, Add	*263.54*	
		For 316 Stainless Steel, Add	*339.41*	
23 05 29 00-0129	EA	8" Steel Clevis Roller Hanger (Cooper B-Line B3110)	118.31	29.28
		For Work In Restricted Working Space, Add	*17.57*	
		For 304 Stainless Steel, Add	*394.42*	
		For 316 Stainless Steel, Add	*507.96*	
23 05 29 00-0130	EA	10" Steel Clevis Roller Hanger (Cooper B-Line B3110)	149.27	39.82
		For Work In Restricted Working Space, Add	*23.42*	
		For 304 Stainless Steel, Add	*469.92*	
		For 316 Stainless Steel, Add	*605.20*	
23 05 29 00-0131	EA	12" Steel Clevis Roller Hanger (Cooper B-Line B3110)	192.50	43.91
		For Work In Restricted Working Space, Add	*26.35*	
		For 304 Stainless Steel, Add	*690.82*	
		For 316 Stainless Steel, Add	*889.70*	
23 05 29 00-0132	EA	14" Steel Clevis Roller Hanger (Cooper B-Line B3110)	390.77	50.35
		For Work In Restricted Working Space, Add	*30.21*	
		For 304 Stainless Steel, Add	*1,914.40*	
		For 316 Stainless Steel, Add	*2,465.51*	
23 05 29 00-0133	EA	16" Steel Clevis Roller Hanger (Cooper B-Line B3110)	489.43	58.55
		For Work In Restricted Working Space, Add	*35.13*	
		For 304 Stainless Steel, Add	*2,457.38*	
		For 316 Stainless Steel, Add	*3,164.81*	

23 05 29 00-0134 Roller Chair (Cooper B-Line B3120) *(23 05 29 00-0110)*

23 05 29 00-0135	EA	2" Steel Roller Chair (Cooper B-Line B3120)	46.61	15.22
		For Work In Restricted Working Space, Add	*8.78*	
23 05 29 00-0136	EA	2-1/2" Steel Roller Chair (Cooper B-Line B3120)	50.20	15.69
		For Work In Restricted Working Space, Add	*9.41*	
23 05 29 00-0137	EA	3" Steel Roller Chair (Cooper B-Line B3120)	52.70	16.40
		For Work In Restricted Working Space, Add	*10.04*	
23 05 29 00-0138	EA	3-1/2" Steel Roller Chair (Cooper B-Line B3120)	59.64	17.57
		For Work In Restricted Working Space, Add	*10.54*	
23 05 29 00-0139	EA	4" Steel Roller Chair (Cooper B-Line B3120)	66.44	19.90
		For Work In Restricted Working Space, Add	*11.71*	
23 05 29 00-0140	EA	5" Steel Roller Chair (Cooper B-Line B3120)	72.64	21.43
		For Work In Restricted Working Space, Add	*12.86*	
23 05 29 00-0141	EA	6" Steel Roller Chair (Cooper B-Line B3120)	88.33	23.42
		For Work In Restricted Working Space, Add	*14.06*	
23 05 29 00-0142	EA	8" Steel Roller Chair (Cooper B-Line B3120)	114.63	29.28
		For Work In Restricted Working Space, Add	*17.57*	
23 05 29 00-0143	EA	10" Steel Roller Chair (Cooper B-Line B3120)	148.41	39.82
		For Work In Restricted Working Space, Add	*23.42*	
23 05 29 00-0144	EA	12" Steel Roller Chair (Cooper B-Line B3120)	190.26	43.91
		For Work In Restricted Working Space, Add	*26.35*	
23 05 29 00-0145	EA	14" Steel Roller Chair (Cooper B-Line B3120)	208.15	50.35
		For Work In Restricted Working Space, Add	*30.21*	
23 05 29 00-0146	EA	16" Steel Roller Chair (Cooper B-Line B3120)	250.47	58.55
		For Work In Restricted Working Space, Add	*35.13*	
23 05 29 00-0147	EA	18" Steel Roller Chair (Cooper B-Line B3120)	336.28	73.18
		For Work In Restricted Working Space, Add	*43.91*	
23 05 29 00-0148	EA	20" Steel Roller Chair (Cooper B-Line B3120)	415.48	87.83
		For Work In Restricted Working Space, Add	*52.70*	

23 05 29 00-0149 Adjustable Roller Support (Cooper B-Line B3122) *(23 05 29 00-0110)*

23 05 29 00-0150	EA	2" Steel Adjustable Roller Support (Cooper B-Line B3122)	52.31	15.22
		For Work In Restricted Working Space, Add	*8.78*	
23 05 29 00-0151	EA	2-1/2" Steel Adjustable Roller Support (Cooper B-Line B3122)	58.63	15.69
		For Work In Restricted Working Space, Add	*9.41*	
23 05 29 00-0152	EA	3" Steel Adjustable Roller Support (Cooper B-Line B3122)	61.70	16.40
		For Work In Restricted Working Space, Add	*10.04*	
23 05 29 00-0153	EA	3-1/2" Steel Adjustable Roller Support (Cooper B-Line B3122)	65.15	17.57
		For Work In Restricted Working Space, Add	*10.54*	
23 05 29 00-0154	EA	4" Steel Adjustable Roller Support (Cooper B-Line B3122)	77.97	19.90
		For Work In Restricted Working Space, Add	*11.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0155	EA	5" Steel Adjustable Roller Support (Cooper B-Line B3122)	88.26	21.43
		For Work In Restricted Working Space, Add	*12.86*	
23 05 29 00-0156	EA	6" Steel Adjustable Roller Support (Cooper B-Line B3122)	102.43	23.42
		For Work In Restricted Working Space, Add	*14.06*	
23 05 29 00-0157	EA	8" Steel Adjustable Roller Support (Cooper B-Line B3122)	143.65	29.28
		For Work In Restricted Working Space, Add	*17.57*	
23 05 29 00-0158	EA	10" Steel Adjustable Roller Support (Cooper B-Line B3122)	179.71	39.82
		For Work In Restricted Working Space, Add	*23.42*	
23 05 29 00-0159	EA	12" Steel Adjustable Roller Support (Cooper B-Line B3122)	207.59	43.91
		For Work In Restricted Working Space, Add	*26.35*	
23 05 29 00-0160	EA	14" Steel Adjustable Roller Support (Cooper B-Line B3122)	291.11	50.35
		For Work In Restricted Working Space, Add	*30.21*	
23 05 29 00-0161	EA	16" Steel Adjustable Roller Support (Cooper B-Line B3122)	348.58	58.55
		For Work In Restricted Working Space, Add	*35.13*	
23 05 29 00-0162	EA	18" Steel Adjustable Roller Support (Cooper B-Line B3122)	397.34	73.18
		For Work In Restricted Working Space, Add	*43.91*	

23 05 29 00-0163 Adjustable Double Roller Support (Cooper B-Line B3122A) *(23 05 29 00-0110)*

23 05 29 00-0164	EA	2" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	52.64	15.22
		For Work In Restricted Working Space, Add	*8.78*	
23 05 29 00-0165	EA	2-1/2" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	58.92	15.69
		For Work In Restricted Working Space, Add	*9.41*	
23 05 29 00-0166	EA	3" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	62.19	16.40
		For Work In Restricted Working Space, Add	*10.04*	
23 05 29 00-0167	EA	3-1/2" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	64.72	17.57
		For Work In Restricted Working Space, Add	*10.54*	
23 05 29 00-0168	EA	4" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	81.30	19.90
		For Work In Restricted Working Space, Add	*11.71*	
23 05 29 00-0169	EA	5" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	92.18	21.43
		For Work In Restricted Working Space, Add	*12.86*	
23 05 29 00-0170	EA	6" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	107.11	23.42
		For Work In Restricted Working Space, Add	*14.06*	
23 05 29 00-0171	EA	8" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	150.90	29.28
		For Work In Restricted Working Space, Add	*17.57*	
23 05 29 00-0172	EA	10" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	188.41	39.82
		For Work In Restricted Working Space, Add	*23.42*	
23 05 29 00-0173	EA	12" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	217.77	43.91
		For Work In Restricted Working Space, Add	*26.35*	
23 05 29 00-0174	EA	14" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	307.39	50.35
		For Work In Restricted Working Space, Add	*30.21*	

23 05 29 00-0175 Pipe And Riser Clamps *(23 05 29 00-0001)*

Note: Includes bolts and weldless eye nuts.

23 05 29 00-0176 Steel Pipe Clamp (Cooper B-Line B3140) *(23 05 29 00-0175)*

Note: Type 4.

23 05 29 00-0177	EA	1/2" Steel Pipe Clamp (Cooper B-Line B3140)	18.29	6.99
		For Work In Restricted Working Space, Add	*4.19*	
23 05 29 00-0178	EA	3/4" Steel Pipe Clamp (Cooper B-Line B3140)	18.52	7.10
		For Work In Restricted Working Space, Add	*4.26*	
23 05 29 00-0179	EA	1" Steel Pipe Clamp (Cooper B-Line B3140)	18.79	7.22
		For Work In Restricted Working Space, Add	*4.33*	
23 05 29 00-0180	EA	1-1/4" Steel Pipe Clamp (Cooper B-Line B3140)	20.34	7.33
		For Work In Restricted Working Space, Add	*4.40*	
23 05 29 00-0181	EA	1-1/2" Steel Pipe Clamp (Cooper B-Line B3140)	20.57	7.45
		For Work In Restricted Working Space, Add	*4.47*	
23 05 29 00-0182	EA	2" Steel Pipe Clamp (Cooper B-Line B3140)	21.80	7.57
		For Work In Restricted Working Space, Add	*4.54*	
23 05 29 00-0183	EA	2-1/2" Steel Pipe Clamp (Cooper B-Line B3140)	22.66	7.80
		For Work In Restricted Working Space, Add	*4.68*	
23 05 29 00-0184	EA	3" Steel Pipe Clamp (Cooper B-Line B3140)	23.95	8.03
		For Work In Restricted Working Space, Add	*4.82*	
23 05 29 00-0185	EA	3-1/2" Steel Pipe Clamp (Cooper B-Line B3140)	27.44	8.16
		For Work In Restricted Working Space, Add	*4.89*	
23 05 29 00-0186	EA	4" Steel Pipe Clamp (Cooper B-Line B3140)	32.10	10.48
		For Work In Restricted Working Space, Add	*6.29*	
23 05 29 00-0187	EA	5" Steel Pipe Clamp (Cooper B-Line B3140)	45.73	13.97
		For Work In Restricted Working Space, Add	*8.38*	
23 05 29 00-0188	EA	6" Steel Pipe Clamp (Cooper B-Line B3140)	62.21	17.47
		For Work In Restricted Working Space, Add	*10.48*	
23 05 29 00-0189	EA	8" Steel Pipe Clamp (Cooper B-Line B3140)	73.18	20.38
		For Work In Restricted Working Space, Add	*12.23*	
23 05 29 00-0190	EA	10" Steel Pipe Clamp (Cooper B-Line B3140)	105.02	23.29
		For Work In Restricted Working Space, Add	*13.97*	
23 05 29 00-0191	EA	12" Steel Pipe Clamp (Cooper B-Line B3140)	141.64	25.62
		For Work In Restricted Working Space, Add	*15.37*	
23 05 29 00-0192	EA	14" Steel Pipe Clamp (Cooper B-Line B3140)	225.56	27.94
		For Work In Restricted Working Space, Add	*16.77*	
23 05 29 00-0193	EA	16" Steel Pipe Clamp (Cooper B-Line B3140)	244.49	30.27
		For Work In Restricted Working Space, Add	*18.17*	
23 05 29 00-0194	EA	18" Steel Pipe Clamp (Cooper B-Line B3140)	392.89	32.60
		For Work In Restricted Working Space, Add	*19.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0195	EA	20" Steel Pipe Clamp (Cooper B-Line B3140)	453.62	34.93
		For Work In Restricted Working Space, Add	*20.96*	
23 05 29 00-0196	EA	24" Steel Pipe Clamp (Cooper B-Line B3140)	589.37	38.43
		For Work In Restricted Working Space, Add	*23.06*	

23 05 29 00-0197 Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142) *(23 05 29 00-0175)*

23 05 29 00-0198	EA	3" Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	35.70	7.54
		For Work In Restricted Working Space, Add	*4.49*	
23 05 29 00-0199	EA	4" Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	46.34	7.54
		For Work In Restricted Working Space, Add	*4.49*	
23 05 29 00-0200	EA	5" Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	50.78	7.81
		For Work In Restricted Working Space, Add	*4.69*	
23 05 29 00-0201	EA	6" Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	80.05	8.09
		For Work In Restricted Working Space, Add	*4.88*	
23 05 29 00-0202	EA	8" Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	87.04	8.62
		For Work In Restricted Working Space, Add	*5.17*	
23 05 29 00-0203	EA	10" Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	147.59	8.62
		For Work In Restricted Working Space, Add	*5.16*	
23 05 29 00-0204	EA	12" Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	237.85	9.70
		For Work In Restricted Working Space, Add	*5.81*	
23 05 29 00-0205	EA	14" Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	301.41	10.78
		For Work In Restricted Working Space, Add	*6.47*	
23 05 29 00-0206	EA	16" Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	328.03	12.93
		For Work In Restricted Working Space, Add	*7.76*	
23 05 29 00-0207	EA	18" Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	1,014.00	15.09
		For Work In Restricted Working Space, Add	*9.05*	
23 05 29 00-0208	EA	20" Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	1,165.27	16.17
		For Work In Restricted Working Space, Add	*9.70*	
23 05 29 00-0209	EA	24" Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	1,491.75	17.24
		For Work In Restricted Working Space, Add	*10.35*	

23 05 29 00-0210 Steel Riser Clamp (Cooper B-Line B3373) *(23 05 29 00-0175)*

Note: Type 8.

23 05 29 00-0211	EA	1/2" Steel Riser Clamp (Cooper B-Line B3373)	18.33	6.47
		For Work In Restricted Working Space, Add	*3.88*	
23 05 29 00-0212	EA	3/4" Steel Riser Clamp (Cooper B-Line B3373)	19.06	6.58
		For Work In Restricted Working Space, Add	*3.95*	
23 05 29 00-0213	EA	1" Steel Riser Clamp (Cooper B-Line B3373)	19.34	6.68
		For Work In Restricted Working Space, Add	*4.01*	
23 05 29 00-0214	EA	1-1/4" Steel Riser Clamp (Cooper B-Line B3373)	20.80	6.79
		For Work In Restricted Working Space, Add	*4.07*	
23 05 29 00-0215	EA	1-1/2" Steel Riser Clamp (Cooper B-Line B3373)	21.58	6.90
		For Work In Restricted Working Space, Add	*4.14*	
23 05 29 00-0216	EA	2" Steel Riser Clamp (Cooper B-Line B3373)	22.08	7.01
		For Work In Restricted Working Space, Add	*4.20*	
23 05 29 00-0217	EA	2-1/2" Steel Riser Clamp (Cooper B-Line B3373)	23.01	7.22
		For Work In Restricted Working Space, Add	*4.33*	
23 05 29 00-0218	EA	3" Steel Riser Clamp (Cooper B-Line B3373)	24.34	7.43
		For Work In Restricted Working Space, Add	*4.46*	
23 05 29 00-0219	EA	3-1/2" Steel Riser Clamp (Cooper B-Line B3373)	26.59	7.54
		For Work In Restricted Working Space, Add	*4.53*	
23 05 29 00-0220	EA	4" Steel Riser Clamp (Cooper B-Line B3373)	32.42	9.70
		For Work In Restricted Working Space, Add	*5.82*	
23 05 29 00-0221	EA	5" Steel Riser Clamp (Cooper B-Line B3373)	42.01	12.93
		For Work In Restricted Working Space, Add	*7.76*	
23 05 29 00-0222	EA	6" Steel Riser Clamp (Cooper B-Line B3373)	53.22	16.17
		For Work In Restricted Working Space, Add	*9.70*	
23 05 29 00-0223	EA	8" Steel Riser Clamp (Cooper B-Line B3373)	71.92	18.87
		For Work In Restricted Working Space, Add	*11.32*	
23 05 29 00-0224	EA	10" Steel Riser Clamp (Cooper B-Line B3373)	93.72	21.56
		For Work In Restricted Working Space, Add	*12.93*	
23 05 29 00-0225	EA	12" Steel Riser Clamp (Cooper B-Line B3373)	112.79	23.71
		For Work In Restricted Working Space, Add	*14.23*	
23 05 29 00-0226	EA	14" Steel Riser Clamp (Cooper B-Line B3373)	150.08	25.87
		For Work In Restricted Working Space, Add	*15.52*	
23 05 29 00-0227	EA	16" Steel Riser Clamp (Cooper B-Line B3373)	280.56	28.02
		For Work In Restricted Working Space, Add	*16.82*	

23 05 29 00-0228 Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) *(23 05 29 00-0175)*

23 05 29 00-0229	EA	1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	31.18	6.47
		For Work In Restricted Working Space, Add	*3.88*	
23 05 29 00-0230	EA	3/4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	31.68	6.58
		For Work In Restricted Working Space, Add	*3.95*	
23 05 29 00-0231	EA	1" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	32.94	6.68
		For Work In Restricted Working Space, Add	*4.01*	
23 05 29 00-0232	EA	1-1/4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	35.13	6.79
		For Work In Restricted Working Space, Add	*4.07*	
23 05 29 00-0233	EA	1-1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	39.50	6.90
		For Work In Restricted Working Space, Add	*4.14*	
23 05 29 00-0234	EA	2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	41.88	7.01
		For Work In Restricted Working Space, Add	*4.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0235	EA	2-1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	45.25	7.22
		For Work In Restricted Working Space, Add	*4.33*	
23 05 29 00-0236	EA	3" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	49.61	7.43
		For Work In Restricted Working Space, Add	*4.46*	
23 05 29 00-0237	EA	4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	67.08	9.70
		For Work In Restricted Working Space, Add	*5.82*	
23 05 29 00-0238		**Two Bolt Steel Underground Clamp (Cooper B-Line B3132)** *(23 05 29 00-0175)*		
		Note: Type 42		
23 05 29 00-0239	EA	4" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	68.55	7.54
		For Work In Restricted Working Space, Add	*4.49*	
23 05 29 00-0240	EA	6" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	72.81	8.09
		For Work In Restricted Working Space, Add	*4.88*	
23 05 29 00-0241	EA	8" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	79.86	8.62
		For Work In Restricted Working Space, Add	*5.17*	
23 05 29 00-0242	EA	10" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	85.13	8.62
		For Work In Restricted Working Space, Add	*5.16*	
23 05 29 00-0243	EA	12" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	102.82	9.70
		For Work In Restricted Working Space, Add	*5.81*	
23 05 29 00-0244	EA	14" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	314.91	10.78
		For Work In Restricted Working Space, Add	*6.47*	
23 05 29 00-0245	EA	16" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	421.53	12.93
		For Work In Restricted Working Space, Add	*7.76*	
23 05 29 00-0246	EA	18" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	502.21	15.09
		For Work In Restricted Working Space, Add	*9.05*	
23 05 29 00-0247	EA	20" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	730.25	16.17
		For Work In Restricted Working Space, Add	*9.70*	
23 05 29 00-0248	EA	24" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	1,005.33	17.24
		For Work In Restricted Working Space, Add	*10.35*	
23 05 29 00-0249		**Four Bolt Steel Underground Clamp (Cooper B-Line B3134)** *(23 05 29 00-0175)*		
23 05 29 00-0250	EA	4" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	63.40	7.54
		For Work In Restricted Working Space, Add	*4.49*	
23 05 29 00-0251	EA	6" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	68.39	8.09
		For Work In Restricted Working Space, Add	*4.88*	
23 05 29 00-0252	EA	8" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	118.23	8.62
		For Work In Restricted Working Space, Add	*5.17*	
23 05 29 00-0253	EA	10" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	131.25	8.62
		For Work In Restricted Working Space, Add	*5.16*	
23 05 29 00-0254	EA	12" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	187.87	9.70
		For Work In Restricted Working Space, Add	*5.81*	
23 05 29 00-0255	EA	14" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	287.14	10.78
		For Work In Restricted Working Space, Add	*6.47*	
23 05 29 00-0256	EA	16" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	384.83	12.93
		For Work In Restricted Working Space, Add	*7.76*	
23 05 29 00-0257	EA	18" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	457.96	15.09
		For Work In Restricted Working Space, Add	*9.05*	
23 05 29 00-0258	EA	20" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	668.10	16.17
		For Work In Restricted Working Space, Add	*9.70*	
23 05 29 00-0259	EA	24" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	913.34	17.24
		For Work In Restricted Working Space, Add	*10.35*	
23 05 29 00-0260		**Split Pipe Clamps And Rings** *(23 05 29 00-0001)*		
23 05 29 00-0261		**Adjustable Split Ring Swivel Hanger (Cooper B-Line B3171)** *(23 05 29 00-0260)*		
		Note: Type 6.		
23 05 29 00-0262	EA	3/4" Adjustable Swivel Ring (Cooper B-Line B3171)	30.18	9.89
		For Work In Restricted Working Space, Add	*5.94*	
23 05 29 00-0263	EA	1" Adjustable Swivel Ring (Cooper B-Line B3171)	31.96	10.48
		For Work In Restricted Working Space, Add	*6.29*	
23 05 29 00-0264	EA	1-1/4" Adjustable Swivel Ring (Cooper B-Line B3171)	34.82	11.64
		For Work In Restricted Working Space, Add	*6.99*	
23 05 29 00-0265	EA	1-1/2" Adjustable Swivel Ring (Cooper B-Line B3171)	37.44	12.22
		For Work In Restricted Working Space, Add	*7.34*	
23 05 29 00-0266	EA	2" Adjustable Swivel Ring (Cooper B-Line B3171)	40.34	12.81
		For Work In Restricted Working Space, Add	*7.68*	
23 05 29 00-0267	EA	2-1/2" Adjustable Swivel Ring (Cooper B-Line B3171)	49.23	13.39
		For Work In Restricted Working Space, Add	*8.04*	
23 05 29 00-0268	EA	3" Adjustable Swivel Ring (Cooper B-Line B3171)	53.84	13.97
		For Work In Restricted Working Space, Add	*8.38*	
23 05 29 00-0269	EA	4" Adjustable Swivel Ring (Cooper B-Line B3171)	70.95	15.72
		For Work In Restricted Working Space, Add	*9.43*	
23 05 29 00-0270	EA	5" Adjustable Swivel Ring (Cooper B-Line B3171)	90.17	19.80
		For Work In Restricted Working Space, Add	*11.88*	
23 05 29 00-0271	EA	6" Adjustable Swivel Ring (Cooper B-Line B3171)	119.78	23.29
		For Work In Restricted Working Space, Add	*13.97*	
23 05 29 00-0272		**Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)** *(23 05 29 00-0260)*		
		Note: Type 11.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0273	EA	1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	20.08	8.20
		For Work In Restricted Working Space, Add	*5.02*	
23 05 29 00-0274	EA	3/4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	21.16	8.20
		For Work In Restricted Working Space, Add	*5.24*	
23 05 29 00-0275	EA	1" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	23.33	10.53
		For Work In Restricted Working Space, Add	*5.85*	
23 05 29 00-0276	EA	1-1/4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	25.28	10.53
		For Work In Restricted Working Space, Add	*6.16*	
23 05 29 00-0277	EA	1-1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	28.04	10.53
		For Work In Restricted Working Space, Add	*6.38*	
23 05 29 00-0278	EA	2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	32.60	11.71
		For Work In Restricted Working Space, Add	*7.02*	
23 05 29 00-0279	EA	2-1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	42.73	11.71
		For Work In Restricted Working Space, Add	*7.31*	
23 05 29 00-0280	EA	3" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	47.32	12.88
		For Work In Restricted Working Space, Add	*7.63*	
23 05 29 00-0281	EA	4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	50.47	14.05
		For Work In Restricted Working Space, Add	*8.36*	

23 05 29 00-0282 Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H) *(23 05 29 00-0260)*

Note: Type 12.

23 05 29 00-0283	EA	1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	20.08	8.20
		For Work In Restricted Working Space, Add	*5.02*	
23 05 29 00-0284	EA	3/4" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	21.16	8.78
		For Work In Restricted Working Space, Add	*5.24*	
23 05 29 00-0285	EA	1" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	23.33	9.95
		For Work In Restricted Working Space, Add	*5.85*	
23 05 29 00-0286	EA	1-1/4" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	25.28	10.53
		For Work In Restricted Working Space, Add	*6.16*	
23 05 29 00-0287	EA	1-1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	28.04	10.53
		For Work In Restricted Working Space, Add	*6.38*	
23 05 29 00-0288	EA	2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	32.60	11.71
		For Work In Restricted Working Space, Add	*7.02*	
23 05 29 00-0289	EA	2-1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	42.73	12.29
		For Work In Restricted Working Space, Add	*7.31*	
23 05 29 00-0290	EA	3" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	47.32	12.88
		For Work In Restricted Working Space, Add	*7.63*	

23 05 29 00-0291 Pipe Straps *(23 05 29 00-0001)*

23 05 29 00-0292 Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B-3180) *(23 05 29 00-0291)*

23 05 29 00-0293	EA	1/2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	13.70	5.85
		For Work In Restricted Working Space, Add	*3.51*	
23 05 29 00-0294	EA	3/4" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	14.31	7.03
		For Work In Restricted Working Space, Add	*3.70*	
23 05 29 00-0295	EA	1" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	15.00	7.03
		For Work In Restricted Working Space, Add	*3.90*	
23 05 29 00-0296	EA	1-1/4" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	15.85	7.03
		For Work In Restricted Working Space, Add	*4.13*	
23 05 29 00-0297	EA	1-1/2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	16.77	8.20
		For Work In Restricted Working Space, Add	*4.39*	
23 05 29 00-0298	EA	2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	19.14	8.20
		For Work In Restricted Working Space, Add	*4.68*	
23 05 29 00-0299	EA	2-1/2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	23.11	8.20
		For Work In Restricted Working Space, Add	*5.02*	
23 05 29 00-0300	EA	3" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	29.19	8.20
		For Work In Restricted Working Space, Add	*5.40*	
23 05 29 00-0301	EA	4" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	34.54	10.53
		For Work In Restricted Working Space, Add	*6.32*	
23 05 29 00-0302	EA	6" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	41.97	11.71
		For Work In Restricted Working Space, Add	*7.02*	
23 05 29 00-0303	EA	8" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	51.89	12.88
		For Work In Restricted Working Space, Add	*7.73*	

23 05 29 00-0304 Two Hole Copper-Clad Pipe Straps *(23 05 29 00-0291)*

23 05 29 00-0305	EA	1/2" Two Hole Copper-Clad Pipe Strap	6.52	
		For Work In Restricted Working Space, Add	*1.76*	
23 05 29 00-0306	EA	3/4" Two Hole Copper-Clad Pipe Strap	6.93	
		For Work In Restricted Working Space, Add	*1.84*	
23 05 29 00-0307	EA	1" Two Hole Copper-Clad Pipe Strap	7.81	
		For Work In Restricted Working Space, Add	*1.93*	
23 05 29 00-0308	EA	1-1/4" Two Hole Copper-Clad Pipe Strap	8.73	
		For Work In Restricted Working Space, Add	*2.02*	
23 05 29 00-0309	EA	1-1/2" Two Hole Copper-Clad Pipe Strap	9.40	
		For Work In Restricted Working Space, Add	*2.11*	
23 05 29 00-0310	EA	2" Two Hole Copper-Clad Pipe Strap	10.20	
		For Work In Restricted Working Space, Add	*2.28*	

23 05 29 00-0311 One Hole Galvanized Steel Pipe Straps *(23 05 29 00-0291)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0312	EA	1/2" One Hole Galvanized Steel Pipe Strap (Anvil 185D)	2.83	
		For Work In Restricted Working Space, Add	*0.59*	
23 05 29 00-0313	EA	3/4" One Hole Galvanized Steel Pipe Strap (Anvil 185D)	3.35	
		For Work In Restricted Working Space, Add	*0.63*	
23 05 29 00-0314	EA	1" One Hole Galvanized Steel Pipe Strap (Anvil 185D)	3.60	
		For Work In Restricted Working Space, Add	*0.68*	
23 05 29 00-0315	EA	1-1/4" Galvanized Steel Strap, 1 Hole	3.87	
		For Work In Restricted Working Space, Add	*0.73*	
23 05 29 00-0316	EA	1-1/2" Galvanized Steel Strap, 1 Hole	4.16	
		For Work In Restricted Working Space, Add	*0.80*	
23 05 29 00-0317	EA	2" Galvanized Steel Strap, 1 Hole	4.64	
		For Work In Restricted Working Space, Add	*0.88*	

23 05 29 00-0318 Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B-2400 Or Tripac 2STR) *(23 05 29 00-0291)*

Note: Designed for supporting pipe runs from strut supports.

23 05 29 00-0319	EA	1/2" Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-1/2ZN) Note: Designed for supporting pipe runs from strut supports.	46.18	18.73
		For Work In Restricted Working Space, Add	*11.24*	
23 05 29 00-0320	EA	3/4" Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-3/4ZN) Note: Designed for supporting pipe runs from strut supports.	50.07	20.49
		For Work In Restricted Working Space, Add	*12.29*	
23 05 29 00-0321	EA	1" Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-1ZN) Note: Designed for supporting pipe runs from strut supports.	54.11	22.24
		For Work In Restricted Working Space, Add	*13.34*	
23 05 29 00-0322	EA	1-1/4" Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-11/4ZN) Note: Designed for supporting pipe runs from strut supports.	58.18	23.99
		For Work In Restricted Working Space, Add	*14.40*	
23 05 29 00-0323	EA	1-1/2" Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-11/2ZN) Note: Designed for supporting pipe runs from strut supports.	63.11	25.75
		For Work In Restricted Working Space, Add	*15.45*	
23 05 29 00-0324	EA	2" Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-2ZN) Note: Designed for supporting pipe runs from strut supports.	71.94	28.09
		For Work In Restricted Working Space, Add	*16.86*	
23 05 29 00-0325	EA	2-1/2" Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-21/2ZN) Note: Designed for supporting pipe runs from strut supports.	79.48	31.02
		For Work In Restricted Working Space, Add	*18.61*	
23 05 29 00-0326	EA	3" Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-3ZN) Note: Designed for supporting pipe runs from strut supports.	87.22	34.53
		For Work In Restricted Working Space, Add	*20.72*	
23 05 29 00-0327	EA	3-1/2" Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-31/2ZN) Note: Designed for supporting pipe runs from strut supports.	87.90	34.53
		For Work In Restricted Working Space, Add	*20.72*	
23 05 29 00-0328	EA	4" Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-4ZN) Note: Designed for supporting pipe runs from strut supports.	102.14	40.38
		For Work In Restricted Working Space, Add	*24.23*	
23 05 29 00-0329	EA	5" Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-5ZN) Note: Designed for supporting pipe runs from strut supports.	121.47	46.83
		For Work In Restricted Working Space, Add	*27.74*	
23 05 29 00-0330	EA	6" Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-6ZN) Note: Designed for supporting pipe runs from strut supports.	136.68	52.09
		For Work In Restricted Working Space, Add	*31.25*	
23 05 29 00-0331	EA	8" Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-8AN) Note: Designed for supporting pipe runs from strut supports.	165.18	63.21
		For Work In Restricted Working Space, Add	*37.93*	
23 05 29 00-0332	EA	10" Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-10AN) Note: Designed for supporting pipe runs from strut supports.	195.93	73.75
		For Work In Restricted Working Space, Add	*44.25*	
23 05 29 00-0333	EA	12" Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-12AN) Note: Designed for supporting pipe runs from strut supports.	222.01	81.93
		For Work In Restricted Working Space, Add	*49.16*	

23 05 29 00-0334 Standard Two Hole Pipe Strap, Stainless Steel (Cooper B-Line B-2400) *(23 05 29 00-0291)*

23 05 29 00-0335	EA	1/2" Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-1/2SS4)	63.09	18.73
		For Work In Restricted Working Space, Add	*11.24*	
23 05 29 00-0336	EA	3/4" Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-3/4SS4)	67.71	21.07
		For Work In Restricted Working Space, Add	*12.29*	
23 05 29 00-0337	EA	1" Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-1SS4)	71.27	22.24
		For Work In Restricted Working Space, Add	*13.34*	
23 05 29 00-0338	EA	1-1/4" Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-11/4SS4)	81.97	24.59
		For Work In Restricted Working Space, Add	*14.40*	
23 05 29 00-0339	EA	1-1/2" Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-11/2SS4)	81.66	25.75
		For Work In Restricted Working Space, Add	*15.45*	
23 05 29 00-0340	EA	2" Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-2SS4)	99.80	28.09
		For Work In Restricted Working Space, Add	*16.86*	
23 05 29 00-0341	EA	2-1/2" Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-21/2SS4)	94.91	25.75
		For Work In Restricted Working Space, Add	*15.10*	
23 05 29 00-0342	EA	3" Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-3SS4)	115.62	35.12
		For Work In Restricted Working Space, Add	*20.72*	
23 05 29 00-0343	EA	3-1/2" Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-31/2SS4)	127.58	37.45
		For Work In Restricted Working Space, Add	*22.48*	

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23 05 29 00-0344	EA	4" Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-4SS4)	142.41	40.97
		For Work In Restricted Working Space, Add	*24.23*	
23 05 29 00-0345	EA	5" Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-5SS4)	182.01	46.83
		For Work In Restricted Working Space, Add	*27.74*	
23 05 29 00-0346	EA	6" Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-6SS4)	199.90	52.68
		For Work In Restricted Working Space, Add	*31.25*	
23 05 29 00-0347	EA	8" Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-8SS4)	249.02	63.21
		For Work In Restricted Working Space, Add	*37.93*	
23 05 29 00-0348	EA	10" Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-10SS4)	289.02	73.75
		For Work In Restricted Working Space, Add	*44.25*	
23 05 29 00-0349	EA	12" Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-12SS4)	510.20	81.93
		For Work In Restricted Working Space, Add	*49.16*	
23 05 29 00-0350	EA	14" Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-14SS4)	381.94	90.13
		For Work In Restricted Working Space, Add	*54.08*	

23 05 29 00-0351 Pipe and Equipment Support Brackets *(23 05 29 00-0001)*

23 05 29 00-0352 Pipe and Equipment Supports, Light Duty Welded Steel Bracket (Cooper B-Line B3068) *(23 05 29 00-0351)*

Note: Up to 750# load.

23 05 29 00-0353	EA	9" x 9" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068)	114.93	12.93
		For Galvanized, Add	*17.81*	
		For Work In Restricted Working Space, Add	*7.76*	
23 05 29 00-0354	EA	13" x 13" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068)	116.56	12.93
		For Galvanized, Add	*18.14*	
		For Work In Restricted Working Space, Add	*7.76*	
23 05 29 00-0355	EA	19" x 19" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068)	123.00	12.93
		For Galvanized, Add	*19.43*	
		For Work In Restricted Working Space, Add	*7.76*	

23 05 29 00-0356 Pipe and Equipment Supports, Medium Duty Welded Steel Bracket (Cooper B-Line B3066) *(23 05 29 00-0351)*

Note: Up to 1500# load.

23 05 29 00-0357	EA	12" Wide x 18" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066)	272.30	12.93
		For Galvanized, Add	*49.29*	
		For Work In Restricted Working Space, Add	*7.76*	
23 05 29 00-0358	EA	18" Wide x 24" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066)	318.63	12.93
		For Galvanized, Add	*58.55*	
		For Work In Restricted Working Space, Add	*7.76*	
23 05 29 00-0359	EA	24" Wide x 30" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066)	413.09	12.93
		For Galvanized, Add	*77.44*	
		For Work In Restricted Working Space, Add	*7.76*	

23 05 29 00-0360 Pipe Alignment Guide *(23 05 29 00-0001)*

23 05 29 00-0361 Pipe Alignment Guide, 1" Insulation *(23 05 29 00-0360)*

23 05 29 00-0362	EA	1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1/2)	453.76	20.48
23 05 29 00-0363	EA	3/4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-3/4)	454.83	21.02
23 05 29 00-0364	EA	1" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1)	455.91	21.56
23 05 29 00-0365	EA	1-1/4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1-1/4)	456.99	22.10
23 05 29 00-0366	EA	1-1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1-1/2)	498.28	22.63
23 05 29 00-0367	EA	2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-2)	508.84	24.79
23 05 29 00-0368	EA	2-1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-2-1/2)	510.46	25.61
23 05 29 00-0369	EA	3" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-3)	512.08	26.41
23 05 29 00-0370	EA	4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-4)	542.00	28.02
23 05 29 00-0371	EA	5" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-5)	632.80	35.57
23 05 29 00-0372	EA	6" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-6)	647.88	43.11
23 05 29 00-0373	EA	8" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-8)	731.59	53.90
23 05 29 00-0374	EA	10" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-10)	1,343.63	64.68
23 05 29 00-0375	EA	12" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-12)	2,041.73	86.23
23 05 29 00-0376	EA	14" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-14)	2,512.90	107.79
23 05 29 00-0377	EA	16" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-16)	3,021.26	120.72
23 05 29 00-0378	EA	18" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-18)	3,259.86	134.74
23 05 29 00-0379	EA	20" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-20)	3,467.30	154.14
23 05 29 00-0380	EA	24" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-24)	4,360.25	161.69

23 05 29 00-0381 Pipe Alignment Guide, 1-1/2" Insulation *(23 05 29 00-0360)*

23 05 29 00-0382	EA	1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1/2)	454.83	21.02
23 05 29 00-0383	EA	3/4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-3/4)	496.12	21.56
23 05 29 00-0384	EA	1" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1)	497.20	22.10
23 05 29 00-0385	EA	1-1/4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1-1/4)	498.28	22.63
23 05 29 00-0386	EA	1-1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1-1/2)	499.36	23.18
23 05 29 00-0387	EA	2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-2)	509.92	25.33
23 05 29 00-0388	EA	2-1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-2-1/2)	511.54	26.14
23 05 29 00-0389	EA	3" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-3)	539.84	26.95
23 05 29 00-0390	EA	4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-4)	543.07	28.57
23 05 29 00-0391	EA	5" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-5)	634.41	36.38
23 05 29 00-0392	EA	6" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-6)	650.04	44.19

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23 05 29 00-0393	EA	8" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-8)	734.29	55.24
23 05 29 00-0394	EA	10" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-10)	1,346.86	66.29
23 05 29 00-0395	EA	12" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-12)	2,046.04	88.39
23 05 29 00-0396	EA	14" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-14)	2,518.29	110.49
23 05 29 00-0397	EA	16" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-16)	3,027.73	123.96
23 05 29 00-0398	EA	18" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-18)	3,266.33	137.97
23 05 29 00-0399	EA	20" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-20)	3,474.85	157.91
23 05 29 00-0400	EA	24" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-24)	4,368.34	165.73
23 05 29 00-0401		**Pipe Alignment Guide, 2" Insulation** *(23 05 29 00-0360)*		
23 05 29 00-0402	EA	1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1/2)	496.12	21.56
23 05 29 00-0403	EA	3/4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-3/4)	503.45	22.10
23 05 29 00-0404	EA	1" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1)	504.53	22.63
23 05 29 00-0405	EA	1-1/4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1-1/4)	505.61	23.18
23 05 29 00-0406	EA	1-1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1-1/2)	506.68	23.71
23 05 29 00-0407	EA	2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-2)	537.67	25.87
23 05 29 00-0408	EA	2-1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-2-1/2)	539.84	26.95
23 05 29 00-0409	EA	3" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-3)	541.18	27.62
23 05 29 00-0410	EA	4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-4)	619.86	29.10
23 05 29 00-0411	EA	5" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-5)	636.03	37.19
23 05 29 00-0412	EA	6" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-6)	714.35	45.27
23 05 29 00-0413	EA	8" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-8)	805.82	56.59
23 05 29 00-0414	EA	10" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-10)	1,350.09	67.91
23 05 29 00-0415	EA	12" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-12)	2,050.35	90.55
23 05 29 00-0416	EA	14" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-14)	2,523.68	113.18
23 05 29 00-0417	EA	16" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-16)	3,033.95	127.07
23 05 29 00-0418	EA	18" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-18)	3,273.33	141.47
23 05 29 00-0419	EA	20" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-20)	3,482.39	161.69
23 05 29 00-0420	EA	24" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-24)	4,376.42	169.77
23 05 29 00-0421		**Pipe Alignment Guide, 2-1/2" Insulation** *(23 05 29 00-0360)*		
23 05 29 00-0422	EA	1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1/2)	503.45	22.10
23 05 29 00-0423	EA	3/4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-3/4)	531.21	22.63
23 05 29 00-0424	EA	1" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1)	532.29	23.18
23 05 29 00-0425	EA	1-1/4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1-1/4)	533.36	23.71
23 05 29 00-0426	EA	1-1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1-1/2)	534.44	24.26
23 05 29 00-0427	EA	2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-2)	538.76	26.41
23 05 29 00-0428	EA	2-1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-2-1/2)	541.18	27.62
23 05 29 00-0429	EA	3" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-3)	618.24	28.29
23 05 29 00-0430	EA	4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-4)	620.94	29.64
23 05 29 00-0431	EA	5" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-5)	699.26	37.72
23 05 29 00-0432	EA	6" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-6)	716.50	46.35
23 05 29 00-0433	EA	8" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-8)	1,330.16	57.94
23 05 29 00-0434	EA	10" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-10)	2,008.31	69.52
23 05 29 00-0435	EA	12" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-12)	2,482.72	92.70
23 05 29 00-0436	EA	14" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-14)	2,529.50	115.88
23 05 29 00-0437	EA	16" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-16)	3,040.66	130.42
23 05 29 00-0438	EA	18" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-18)	3,280.34	144.98
23 05 29 00-0439	EA	20" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-20)	3,490.48	165.73
23 05 29 00-0440	EA	24" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-24)	4,385.04	174.08
23 05 29 00-0441		**Pipe Alignment Guide, 3" Insulation** *(23 05 29 00-0360)*		
23 05 29 00-0442	EA	1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1/2)	531.21	22.63
23 05 29 00-0443	EA	3/4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-3/4)	532.29	23.18
23 05 29 00-0444	EA	1" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1)	533.36	23.71
23 05 29 00-0445	EA	1-1/4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1-1/4)	534.44	24.26
23 05 29 00-0446	EA	1-1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1-1/2)	535.52	24.79
23 05 29 00-0447	EA	2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-2)	615.55	26.95
23 05 29 00-0448	EA	2-1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-2-1/2)	618.24	28.29
23 05 29 00-0449	EA	3" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-3)	619.86	29.10
23 05 29 00-0450	EA	4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-4)	684.59	30.40
23 05 29 00-0451	EA	5" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-5)	701.41	38.80
23 05 29 00-0452	EA	6" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-6)	787.50	47.42
23 05 29 00-0453	EA	8" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-8)	1,332.85	59.29
23 05 29 00-0454	EA	10" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-10)	2,011.54	71.15
23 05 29 00-0455	EA	12" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-12)	2,487.03	94.86
23 05 29 00-0456	EA	14" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-14)	2,534.89	118.57
23 05 29 00-0457	EA	16" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-16)	3,047.14	133.66
23 05 29 00-0458	EA	18" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-18)	3,286.81	148.21
23 05 29 00-0459	EA	20" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-20)	3,498.56	169.77
23 05 29 00-0460	EA	24" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-24)	4,393.66	178.39
23 05 29 00-0461		**Pipe Alignment Guide, 3-1/2" Insulation** *(23 05 29 00-0360)*		
23 05 29 00-0462	EA	1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1/2)	532.29	23.18
23 05 29 00-0463	EA	3/4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-3/4)	609.07	23.71
23 05 29 00-0464	EA	1" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1)	610.15	24.26

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23 05 29 00-0465	EA	1-1/4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1-1/4)	611.23	24.79
23 05 29 00-0466	EA	1-1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1-1/2)	612.31	25.33
23 05 29 00-0467	EA	2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-2)	616.89	27.62
23 05 29 00-0468	EA	2-1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-2-1/2)	619.64	29.00
23 05 29 00-0469	EA	3" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-3)	683.46	29.84
23 05 29 00-0470	EA	4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-4)	686.32	31.26
23 05 29 00-0471	EA	5" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-5)	772.41	39.88
23 05 29 00-0472	EA	6" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-6)	1,311.29	48.50
23 05 29 00-0473	EA	8" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-8)	1,990.53	60.63
23 05 29 00-0474	EA	10" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-10)	2,443.59	72.92
23 05 29 00-0475	EA	12" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-12)	2,973.83	97.01
23 05 29 00-0476	EA	14" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-14)	3,022.88	121.53
23 05 29 00-0477	EA	16" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-16)	3,274.10	136.89
23 05 29 00-0478	EA	18" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-18)	3,462.99	151.98
23 05 29 00-0479	EA	20" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-20)	4,383.96	173.55

23 05 29 00-0480 Pipe Alignment Guide, 4" Insulation *(23 05 29 00-0360)*

23 05 29 00-0481	EA	1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1/2)	609.07	23.71
23 05 29 00-0482	EA	3/4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-3/4)	610.15	24.26
23 05 29 00-0483	EA	1" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1)	611.23	24.79
23 05 29 00-0484	EA	1-1/4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1-1/4)	612.31	25.33
23 05 29 00-0485	EA	1-1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1-1/2)	613.38	25.87
23 05 29 00-0486	EA	2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-2)	680.39	28.29
23 05 29 00-0487	EA	2-1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-2-1/2)	683.09	29.64
23 05 29 00-0488	EA	3" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-3)	684.91	30.56
23 05 29 00-0489	EA	4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-4)	756.77	32.07
23 05 29 00-0490	EA	5" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-5)	1,296.20	40.96
23 05 29 00-0491	EA	6" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-6)	1,313.45	49.58
23 05 29 00-0492	EA	8" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-8)	1,993.22	61.98
23 05 29 00-0493	EA	10" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-10)	2,447.57	74.91
23 05 29 00-0494	EA	12" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-12)	2,978.68	99.44
23 05 29 00-0495	EA	14" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-14)	3,238.30	123.96
23 05 29 00-0496	EA	16" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-16)	3,439.28	140.12
23 05 29 00-0497	EA	18" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-18)	4,349.47	156.29

23 05 29 00-0498 Sway Bracing For No Hub Pipe *(23 05 29 00-0001)*

23 05 29 00-0499	EA	1-1/2" Sway Bracing	155.17	14.23
		For Work In Restricted Working Space, Add	*8.51*	
23 05 29 00-0500	EA	2" Sway Bracing	159.77	14.98
		For Work In Restricted Working Space, Add	*8.99*	
23 05 29 00-0501	EA	3" Sway Bracing	165.37	15.84
		For Work In Restricted Working Space, Add	*9.51*	
23 05 29 00-0502	EA	4" Sway Bracing	187.72	18.00
		For Work In Restricted Working Space, Add	*10.78*	
23 05 29 00-0503	EA	6" Sway Bracing	275.25	26.95
		For Work In Restricted Working Space, Add	*16.17*	
23 05 29 00-0504	EA	8" Sway Bracing	303.75	33.63
		For Work In Restricted Working Space, Add	*20.21*	
23 05 29 00-0505	EA	10" Sway Bracing	340.35	44.95
		For Work In Restricted Working Space, Add	*26.95*	

23 05 29 00-0506 Pipe Stand With Adjustable Saddle (Cooper B-Line B3088T-18 Base, B3093 Adjustable Pipe Saddle) *(23 05 29 00-0001)*

Note: Heights listed is total for base and adjustable saddle

23 05 29 00-0507	EA	23" to 28" High Pipe Stand With Adjustable Saddle For 1-1/4" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	367.86	10.78
		For Work In Restricted Working Space, Add	*6.47*	
23 05 29 00-0508	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 1-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	375.63	11.86
		For Work In Restricted Working Space, Add	*7.11*	
23 05 29 00-0509	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	734.89	13.48
		For Work In Restricted Working Space, Add	*8.09*	
23 05 29 00-0510	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 2-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	904.56	15.09
		For Work In Restricted Working Space, Add	*9.05*	
23 05 29 00-0511	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 3" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	915.50	16.71
		For Work In Restricted Working Space, Add	*10.02*	
23 05 29 00-0512	EA	25" to 29" High Pipe Stand With Adjustable Saddle For 3-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,004.56	18.87
		For Work In Restricted Working Space, Add	*11.32*	
23 05 29 00-0513	EA	25" to 30" High Pipe Stand With Adjustable Saddle For 4" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,201.89	20.48
		For Work In Restricted Working Space, Add	*12.29*	
23 05 29 00-0514	EA	25" to 30" High Pipe Stand With Adjustable Saddle For 5" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,215.28	22.10
		For Work In Restricted Working Space, Add	*13.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0515	EA	26" to 31" High Pipe Stand With Adjustable Saddle For 6" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,232.38	24.26
		For Work In Restricted Working Space, Add	*14.55*	
23 05 29 00-0516	EA	28" to 33" High Pipe Stand With Adjustable Saddle For 8" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,281.85	26.41
		For Work In Restricted Working Space, Add	*15.85*	
23 05 29 00-0517	EA	29" to 34" High Pipe Stand With Adjustable Saddle For 10" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,370.95	29.10
		For Work In Restricted Working Space, Add	*17.46*	
23 05 29 00-0518	EA	30" to 35" High Pipe Stand With Adjustable Saddle For 12" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,410.34	32.33
		For Work In Restricted Working Space, Add	*19.40*	
23 05 29 00-0519	EA	32" to 37" High Pipe Stand With Adjustable Saddle For 14" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,721.31	35.57
		For Work In Restricted Working Space, Add	*21.35*	
23 05 29 00-0520	EA	33" to 38" High Pipe Stand With Adjustable Saddle For 16" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,874.03	39.88
		For Work In Restricted Working Space, Add	*23.93*	
23 05 29 00-0521	EA	35" to 40" High Pipe Stand With Adjustable Saddle For 18" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	2,657.65	44.19
		For Work In Restricted Working Space, Add	*26.52*	
23 05 29 00-0522	EA	36" to 41" High Pipe Stand With Adjustable Saddle For 20" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	3,263.15	48.50
		For Work In Restricted Working Space, Add	*29.10*	
23 05 29 00-0523	EA	39" to 44" High Pipe Stand With Adjustable Saddle For 24" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	3,907.59	52.82
		For Work In Restricted Working Space, Add	*31.69*	

23 05 29 00-0524 Channel Mounted Cushion Clamp *(23 05 29 00-0001)*

Note: Includes fastening into channel.

23 05 29 00-0525	EA	1/2" Channel Mounted Cushion Clamp For 3/8" Pipe (Cooper B-Line BVT050)	12.93	4.86
23 05 29 00-0526	EA	5/8" Channel Mounted Cushion Clamp For 1/2" Pipe (Cooper B-Line BVT062)	13.61	5.39
23 05 29 00-0527	EA	7/8" Channel Mounted Cushion Clamp For 3/4" Pipe (Cooper B-Line BVT087)	15.07	5.66
23 05 29 00-0528	EA	1-1/8" Channel Mounted Cushion Clamp For 1" Pipe (Cooper B-Line BVT112)	16.13	5.93
23 05 29 00-0529	EA	1-3/8" Channel Mounted Cushion Clamp For 1-1/4" Pipe (Cooper B-Line BVT137)	17.99	6.47
23 05 29 00-0530	EA	1-5/8" Channel Mounted Cushion Clamp For 1-1/2" Pipe (Cooper B-Line BVT162)	20.09	6.74
23 05 29 00-0531	EA	2-1/8" Channel Mounted Cushion Clamp For 2" Pipe (Cooper B-Line BVT212)	25.31	7.01
23 05 29 00-0532	EA	2-5/8" Channel Mounted Cushion Clamp For 2-1/2" Pipe (Cooper B-Line BVT262)	27.98	7.54
23 05 29 00-0533	EA	3-1/8" Channel Mounted Cushion Clamp For 3" Pipe (Cooper B-Line BVT312)	34.37	8.62
23 05 29 00-0534	EA	4-1/8" Channel Mounted Cushion Clamp For 4" Pipe (Cooper B-Line BVT412)	51.95	9.70

23 05 29 00-0535 Galvanized Steel Cushion Tube Clamp (KMC) *(23 05 29 00-0001)*

Note: Excludes fastening bolt and drilling if necessary.

23 05 29 00-0536	EA	1/2" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3/8" Pipe Note: 19/32" Center To Center Length, 9/32" Hole Diameter For Screw	4.32
23 05 29 00-0537	EA	1/2" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3/8" Pipe Note: 23/32" Center To Center Length, 13/32" Hole Diameter For Screw	4.50
23 05 29 00-0538	EA	5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1/2" Pipe Note: 23/32" Center To Center Length, 9/32" Hole Diameter For Screw	4.63
23 05 29 00-0539	EA	5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1/2" Pipe Note: 27/32" Center To Center Length, 13/32" Hole Diameter For Screw	4.94
23 05 29 00-0540	EA	7/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3/4" Pipe Note: 27/32" Center To Center Length, 9/32" Hole Diameter For Screw	4.57
23 05 29 00-0541	EA	7/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3/4" Pipe Note: 31/32" Center To Center Length, 13/32" Hole Diameter For Screw	5.13
23 05 29 00-0542	EA	1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1" Pipe Note: 31/32" Center To Center Length, 9/32" Hole Diameter For Screw	4.79
23 05 29 00-0543	EA	1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1" Pipe Note: 1-1/32" Center To Center Length, 13/32" Hole Diameter For Screw	5.47
23 05 29 00-0544	EA	1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1" Pipe Note: 1-5/32" Center To Center Length, 17/32" Hole Diameter For Screw	5.51
23 05 29 00-0545	EA	1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1-1/4" Pipe Note: 1-3/32" Center To Center Length, 9/32" Hole Diameter For Screw	5.10
23 05 29 00-0546	EA	1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1-1/4" Pipe Note: 1-7/32" Center To Center Length, 13/32" Hole Diameter For Screw	5.41
23 05 29 00-0547	EA	1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1-1/4" Pipe Note: 1-11/16" Center To Center Length, 17/32" Hole Diameter For Screw	6.38
23 05 29 00-0548	EA	1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1-1/2" Pipe Note: 1-5/16" Center To Center Length, 9/32" Hole Diameter For Screw	5.44
23 05 29 00-0549	EA	1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1-1/2" Pipe Note: 1-9/16" Center To Center Length, 13/32" Hole Diameter For Screw	6.07
23 05 29 00-0550	EA	1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1-1/2" Pipe Note: 1-13/16" Center To Center Length, 17/32" Hole Diameter For Screw	7.10
23 05 29 00-0551	EA	2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 2" Pipe Note: 1-7/16" Center To Center Length, 9/32" Hole Diameter For Screw	7.20
23 05 29 00-0552	EA	2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 2" Pipe Note: 1-9/16" Center To Center Length, 13/32" Hole Diameter For Screw	7.76
23 05 29 00-0553	EA	2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 2" Pipe Note: 1-11/16" Center To Center Length, 17/32" Hole Diameter For Screw	8.88
23 05 29 00-0554	EA	2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 2-1/2" Pipe Note: 1-11/16" Center To Center Length, 9/32" Hole Diameter For Screw	9.23

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0555	EA	2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 2-1/2" Pipe Note: 1-13/16" Center To Center Length, 13/32" Hole Diameter For Screw	10.92	
23 05 29 00-0556	EA	2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 2-1/2" Pipe Note: 1-15/16" Center To Center Length, 17/32" Hole Diameter For Screw	11.04	
23 05 29 00-0557	EA	3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3" Pipe Note: 1-15/16" Center To Center Length, 9/32" Hole Diameter For Screw	9.57	
23 05 29 00-0558	EA	3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3" Pipe Note: 2-1/16" Center To Center Length, 13/32" Hole Diameter For Screw	10.92	
23 05 29 00-0559	EA	3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 3" Pipe Note: 2-3/16" Center To Center Length, 17/32" Hole Diameter For Screw	11.73	
23 05 29 00-0560	EA	3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3-1/2" Pipe Note: 2-3/16" Center To Center Length, 9/32" Hole Diameter For Screw	10.01	
23 05 29 00-0561	EA	3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3-1/2" Pipe Note: 2-5/16" Center To Center Length, 13/32" Hole Diameter For Screw	10.83	
23 05 29 00-0562	EA	3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 3-1/2" Pipe Note: 2-7/16" Center To Center Length, 17/32" Hole Diameter For Screw	13.99	
23 05 29 00-0563	EA	4" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 4" Pipe Note: 2-7/16" Center To Center Length, 9/32" Hole Diameter For Screw	9.92	
23 05 29 00-0564	EA	4" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 4" Pipe Note: 2-9/16" Center To Center Length, 13/32" Hole Diameter For Screw	11.11	
23 05 29 00-0565	EA	4" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 4" Pipe Note: 2-11/16" Center To Center Length, 17/32" Hole Diameter For Screw	14.67	
23 05 29 00-0566		**Rooftop Pipe Supports** *(23 05 29 00-0001)* Note: Excludes pipe/conduit clamps and straps.		
23 05 29 00-0567		**Rooftop Support Base** *(23 05 29 00-0566)*		
23 05 29 00-0568	EA	4" x 6" x 4.8" Rooftop Support Base (Cooper B-Line Dura-Blok DBM)	39.67	8.78
23 05 29 00-0569	EA	4" x 6" x 9.6" Rooftop Support Base (Cooper B-Line Dura-Blok DBP)	55.30	11.71
23 05 29 00-0570		**Rooftop Support Base With 14 Gauge Galvanized Channel** *(23 05 29 00-0566)*		
23 05 29 00-0571	EA	5" x 6" x 4.8" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB5)	45.17	8.78
23 05 29 00-0572	EA	5" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10)	64.25	11.71
23 05 29 00-0573	EA	5" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB20)	119.21	14.63
23 05 29 00-0574	EA	5" x 6" x 30.8" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB30)	164.98	17.56
23 05 29 00-0575	EA	5" x 6" x 41.4" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB40)	228.78	20.49
23 05 29 00-0576	EA	5" x 6" x 52" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB48)	241.13	23.41
23 05 29 00-0577		**Rooftop Support Base With 12 Gauge Galvanized Channel** *(23 05 29 00-0566)*		
23 05 29 00-0578	EA	6-7/16" x 6" x 9.6" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB610)	78.86	11.71
23 05 29 00-0579	EA	6-7/16" x 6" x 20.2" Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB620)	125.73	14.63
23 05 29 00-0580	EA	6-7/16" x 6" x 30.8" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB630)	167.60	17.56
23 05 29 00-0581	EA	6-7/16" x 6" x 41.4" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB640)	228.93	20.49
23 05 29 00-0582	EA	6-7/16" x 6" x 52" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB648)	257.99	17.56
23 05 29 00-0583		**Rooftop Bridge Support Base With 12 Gauge Galvanized Channel** *(23 05 29 00-0566)*		
23 05 29 00-0584	EA	5-5/8" x 6" x 28" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-28)	132.26	17.56
23 05 29 00-0585	EA	5-5/8" x 6" x 36" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-36)	150.59	20.49
23 05 29 00-0586	EA	5-5/8" x 6" x 42" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-42)	156.40	23.41
23 05 29 00-0587	EA	5-5/8" x 6" x 50" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-50)	171.13	26.34
23 05 29 00-0588	EA	5-5/8" x 6" x 60" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-60)	219.38	29.27
23 05 29 00-0589		**Rooftop Pipe Support Base And Rod** *(23 05 29 00-0566)*		
23 05 29 00-0590	EA	9.69" To 11.19" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1/2CT)	96.17	11.71
23 05 29 00-0591	EA	9.84" To 11.34" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-3/4CT)	96.17	11.71
23 05 29 00-0592	EA	9.95" To 11.45" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1CT)	96.71	11.71
23 05 29 00-0593	EA	10.13" To 11.63" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1-1/4CT)	103.13	14.63
23 05 29 00-0594	EA	10.28" To 11.78" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1-1/2CT)	99.13	14.63
23 05 29 00-0595	EA	10.53" To 12.03" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-2CT)	104.27	14.63
23 05 29 00-0596		**Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly** *(23 05 29 00-0566)*		
23 05 29 00-0597	EA	7.09" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR2-3 1/2)	122.35	11.71
23 05 29 00-0598	EA	7.09" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR4-6)	136.71	11.71
23 05 29 00-0599	EA	8.34" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR8-10)	179.28	14.63
23 05 29 00-0600	EA	9.38" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR12-14)	237.97	14.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0601	EA	9.78" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR16-20)	325.14	14.63
23 05 29 00-0602		**Rooftop Support Base And Adjustable Height Roller Assembly** *(23 05 29 00-0566)*		
		Note: Includes base, two zinc all threaded rod risers and pipe roller.		
23 05 29 00-0603	EA	Up To 12" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Roller Assembly (Cooper B-Line Dura-Blok DBR10-12)	152.16	17.56
23 05 29 00-0604		**Rooftop Support Base And Adjustable Height Channel Assembly** *(23 05 29 00-0566)*		
		Note: Includes base, two zinc all threaded rod and 14 gauge slotted channel.		
23 05 29 00-0605	EA	Up To 8" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-8)	99.40	14.63
23 05 29 00-0606	EA	Up To 12" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-12)	135.74	17.56
23 05 29 00-0607	EA	Up To 16" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-16)	151.26	20.49
23 05 29 00-0608		**Rooftop Support Bases With Channel Support And Risers Assembly** *(23 05 29 00-0566)*		
		Note: Includes two support bases, two 12 gauge galvanized channel risers and one 12 gauge galvanized channel support. Dimensions are "overall" (height x width x length).		
23 05 29 00-0609	EA	23" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2318DS)	368.24	23.41
23 05 29 00-0610	EA	29" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2918DS)	372.37	23.41
23 05 29 00-0611	EA	41" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4118DS)	386.86	23.41
23 05 29 00-0612	EA	53" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5318DS)	420.13	23.41
23 05 29 00-0613	EA	23" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2324DS)	360.86	23.41
23 05 29 00-0614	EA	29" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2924DS)	374.73	23.41
23 05 29 00-0615	EA	41" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4124DS)	389.22	23.41
23 05 29 00-0616	EA	53" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5324DS)	422.47	23.41
23 05 29 00-0617	EA	23" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2336DS)	377.34	23.41
23 05 29 00-0618	EA	29" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2936DS)	382.18	23.41
23 05 29 00-0619	EA	41" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4136DS)	396.39	23.41
23 05 29 00-0620	EA	53" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5336DS)	429.79	23.41
23 05 29 00-0621	EA	23" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2348DS)	394.18	23.41
23 05 29 00-0622	EA	29" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2948DS)	398.59	23.41
23 05 29 00-0623	EA	41" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4148DS)	412.81	23.41
23 05 29 00-0624	EA	53" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5348DS)	446.21	23.41
23 05 29 00-0625		**Rooftop Duct Supports** *(23 05 29 00-0001)*		
23 05 29 00-0626	EA	Up To 24" Height x Up To 48" Width Adjustable Galvanized Steel Duct Support Stand	244.96	43.90
23 05 29 00-0627	EA	>24" To 48" Height x Up To 48" Width Adjustable Galvanized Steel Duct Support Stand	285.73	46.83
23 05 29 00-0628	EA	>48" To 60" Height x Up To 48" Width Adjustable Galvanized Steel Duct Support Stand	332.35	52.68
23 05 29 00-0629		**Threaded Rod, Accessories And Attachments** *(23 05 29)*		
23 05 29 00-0630		**Threaded Rod And Rod Accessories** *(23 05 29 00-0629)*		
23 05 29 00-0631		**Threaded Rod** *(23 05 29 00-0630)*		
		Note: Fully threaded.		
23 05 29 00-0632	LF	3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.46	0.73
		For Galvanized, Add	*1.20*	
		For Zinc Plated, Add	*0.86*	
		For Work In Restricted Working Space, Add	*0.44*	
23 05 29 00-0633	LF	1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	6.33	0.79
		For Galvanized, Add	*1.91*	
		For Zinc Plated, Add	*1.36*	
		For Work In Restricted Working Space, Add	*0.47*	
23 05 29 00-0634	LF	5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	9.00	0.81
		For Galvanized, Add	*2.96*	
		For Zinc Plated, Add	*2.11*	
		For Work In Restricted Working Space, Add	*0.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0635	LF	3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	15.09	0.84
		For Galvanized, Add	*5.37*	
		For Zinc Plated, Add	*3.83*	
		For Work In Restricted Working Space, Add	*0.50*	
23 05 29 00-0636	LF	7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	16.48	0.86
		For Galvanized, Add	*5.90*	
		For Zinc Plated, Add	*4.21*	
		For Work In Restricted Working Space, Add	*0.52*	
23 05 29 00-0637	LF	1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	22.67	0.97
		For Galvanized, Add	*8.29*	
		For Zinc Plated, Add	*5.91*	
		For Work In Restricted Working Space, Add	*0.59*	
23 05 29 00-0638	LF	1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	28.31	1.09
		For Galvanized, Add	*10.46*	
		For Zinc Plated, Add	*7.45*	
		For Work In Restricted Working Space, Add	*0.65*	

23 05 29 00-0639 Rod Couplings *(23 05 29 00-0630)*

23 05 29 00-0640	EA	3/8" Diameter, Threaded Rod Coupling Nut	9.00	
		For Work In Restricted Working Space, Add	*2.15*	
23 05 29 00-0641	EA	1/2" Diameter, Threaded Rod Coupling Nut	10.25	
		For Work In Restricted Working Space, Add	*2.39*	
23 05 29 00-0642	EA	5/8" Diameter, Threaded Rod Coupling Nut	13.02	
		For Work In Restricted Working Space, Add	*2.70*	
23 05 29 00-0643	EA	3/4" Diameter, Threaded Rod Coupling Nut	16.11	
		For Work In Restricted Working Space, Add	*2.94*	
23 05 29 00-0644	EA	7/8" Diameter, Threaded Rod Coupling Nut	24.33	
		For Work In Restricted Working Space, Add	*3.23*	
23 05 29 00-0645	EA	1" Diameter, Threaded Rod Coupling Nut	28.89	
		For Work In Restricted Working Space, Add	*3.80*	
23 05 29 00-0646	EA	1-1/8" Diameter, Threaded Rod Coupling Nut	57.28	
		For Work In Restricted Working Space, Add	*4.31*	

23 05 29 00-0647 Flat Washers *(23 05 29 00-0630)*

Note: Zinc plated.

23 05 29 00-0648	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.64	0.23
		For Galvanized, Add	*0.04*	
		For Work In Restricted Working Space, Add	*0.14*	
23 05 29 00-0649	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.89	0.23
		For Galvanized, Add	*0.09*	
		For Work In Restricted Working Space, Add	*0.17*	
23 05 29 00-0650	EA	5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.31	0.35
		For Galvanized, Add	*0.17*	
		For Work In Restricted Working Space, Add	*0.20*	
23 05 29 00-0651	EA	3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.79	0.35
		For Galvanized, Add	*0.24*	
		For Work In Restricted Working Space, Add	*0.25*	
23 05 29 00-0652	EA	7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.11	0.47
		For Galvanized, Add	*0.28*	
		For Work In Restricted Working Space, Add	*0.29*	
23 05 29 00-0653	EA	1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.48	0.47
		For Galvanized, Add	*0.35*	
		For Work In Restricted Working Space, Add	*0.33*	
23 05 29 00-0654	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.79	0.58
		For Galvanized, Add	*0.39*	
		For Work In Restricted Working Space, Add	*0.37*	

23 05 29 00-0655 Hex Nuts *(23 05 29 00-0630)*

Note: Grade 2 and zinc plated.

23 05 29 00-0656	EA	3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.79	0.29
		For Galvanized, Add	*0.03*	
		For Work In Restricted Working Space, Add	*0.20*	
23 05 29 00-0657	EA	1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.03	0.29
		For Galvanized, Add	*0.07*	
		For Work In Restricted Working Space, Add	*0.22*	
23 05 29 00-0658	EA	5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.43	0.29
		For Galvanized, Add	*0.17*	
		For Work In Restricted Working Space, Add	*0.23*	
23 05 29 00-0659	EA	3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.71	0.58
		For Galvanized, Add	*0.22*	
		For Work In Restricted Working Space, Add	*0.25*	
23 05 29 00-0660	EA	7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	2.54	0.58
		For Galvanized, Add	*0.42*	
		For Work In Restricted Working Space, Add	*0.26*	
23 05 29 00-0661	EA	1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	3.25	0.58
		For Galvanized, Add	*0.57*	
		For Work In Restricted Working Space, Add	*0.29*	
23 05 29 00-0662	EA	1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	5.39	0.58
		For Galvanized, Add	*1.08*	
		For Work In Restricted Working Space, Add	*0.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0663		**Turnbuckle (Cooper B-Line B3202)** *(23 05 29 00-0630)* Note: Type 13.		
23 05 29 00-0664	EA	3/8" Turnbuckle (Cooper B-Line B3202)	26.21	5.85
		For Work In Restricted Working Space, Add	*3.51*	
23 05 29 00-0665	EA	1/2" Turnbuckle (Cooper B-Line B3202)	31.03	6.43
		For Work In Restricted Working Space, Add	*3.90*	
23 05 29 00-0666	EA	5/8" Turnbuckle (Cooper B-Line B3202)	33.48	7.03
		For Work In Restricted Working Space, Add	*4.39*	
23 05 29 00-0667	EA	3/4" Turnbuckle (Cooper B-Line B3202)	41.97	8.20
		For Work In Restricted Working Space, Add	*5.02*	
23 05 29 00-0668	EA	7/8" Turnbuckle (Cooper B-Line B3202)	54.11	8.78
		For Work In Restricted Working Space, Add	*5.86*	
23 05 29 00-0669	EA	1" Turnbuckle (Cooper B-Line B3202)	67.09	9.37
		For Work In Restricted Working Space, Add	*7.03*	
23 05 29 00-0670	EA	1-1/8" Turnbuckle (Cooper B-Line B3202)	92.76	10.54
		For Work In Restricted Working Space, Add	*8.78*	
23 05 29 00-0671		**Swivel Turnbuckle (Cooper B-Line B3224)** *(23 05 29 00-0630)* Note: Type 15.		
23 05 29 00-0672	EA	3/8" Swivel Turnbuckle (Cooper B-Line B3224)	17.05	5.85
		For Work In Restricted Working Space, Add	*3.51*	
23 05 29 00-0673	EA	1/2" Swivel Turnbuckle (Cooper B-Line B3224)	19.67	6.55
		For Work In Restricted Working Space, Add	*3.90*	
23 05 29 00-0674	EA	5/8" Swivel Turnbuckle (Cooper B-Line B3224)	25.80	7.26
		For Work In Restricted Working Space, Add	*4.39*	
23 05 29 00-0675	EA	3/4" Swivel Turnbuckle (Cooper B-Line B3224)	31.09	8.31
		For Work In Restricted Working Space, Add	*5.02*	
23 05 29 00-0676		**Forged Steel Clevis (Cooper B-Line B3201)** *(23 05 29 00-0630)* Note: Type 14.		
23 05 29 00-0677	EA	3-9/16" Forged Steel Clevis With Pin, 3/8" To 5/8" Rod Size (Cooper B-Line B3201)	85.54	10.78
		For Work In Restricted Working Space, Add	*6.47*	
23 05 29 00-0678	EA	4" Forged Steel Clevis With Pin, 3/4" To 7/8" Rod Size (Cooper B-Line B3201)	125.26	11.32
		For Work In Restricted Working Space, Add	*6.81*	
23 05 29 00-0679	EA	5-1/16" Forged Steel Clevis With Pin, 1" Rod Size (Cooper B-Line B3201)	135.41	11.86
		For Work In Restricted Working Space, Add	*7.19*	
23 05 29 00-0680	EA	5-1/16" Forged Steel Clevis With Pin, 1-1/8" Rod Size (Cooper B-Line B3201)	141.05	12.93
		For Work In Restricted Working Space, Add	*7.61*	
23 05 29 00-0681	EA	5-1/16" Forged Steel Clevis With Pin, 1-1/4" Rod Size (Cooper B-Line B3201)	148.68	14.56
		For Work In Restricted Working Space, Add	*8.63*	
23 05 29 00-0682	EA	6" Forged Steel Clevis With Pin, 1-1/2" Rod Size (Cooper B-Line B3201)	246.69	18.87
		For Work In Restricted Working Space, Add	*11.32*	
23 05 29 00-0683	EA	5-15/16" Forged Steel Clevis With Pin, 1-3/4" Rod Size (Cooper B-Line B3201)	267.97	21.56
		For Work In Restricted Working Space, Add	*12.93*	
23 05 29 00-0684	EA	7" Forged Steel Clevis With Pin, 2" Rod Size (Cooper B-Line B3201)	316.23	26.95
		For Work In Restricted Working Space, Add	*16.17*	
23 05 29 00-0685		**Welded Eye Rod (Cooper B-Line B3211)** *(23 05 29 00-0630)*		
23 05 29 00-0686	EA	3/8" Diameter x 8" Length Shank, Welded Eye Rod	26.16	6.32
		For Work In Restricted Working Space, Add	*3.80*	
23 05 29 00-0687	EA	3/8" Diameter x 10" Length Shank, Welded Eye Rod	26.99	6.43
		For Work In Restricted Working Space, Add	*3.88*	
23 05 29 00-0688	EA	3/8" Diameter x 12" Length Shank, Welded Eye Rod	27.81	6.55
		For Work In Restricted Working Space, Add	*3.95*	
23 05 29 00-0689	EA	3/8" Diameter x 14" Length Shank, Welded Eye Rod	28.05	6.68
		For Work In Restricted Working Space, Add	*4.02*	
23 05 29 00-0690	EA	3/8" Diameter x 18" Length Shank, Welded Eye Rod	29.70	6.91
		For Work In Restricted Working Space, Add	*4.17*	
23 05 29 00-0691	EA	3/8" Diameter x 24" Length Shank, Welded Eye Rod	31.62	7.37
		For Work In Restricted Working Space, Add	*4.39*	
23 05 29 00-0692	EA	3/8" Diameter x 30" Length Shank, Welded Eye Rod	32.93	7.72
		For Work In Restricted Working Space, Add	*4.61*	
23 05 29 00-0693	EA	3/8" Diameter x 36" Length Shank, Welded Eye Rod	35.43	8.07
		For Work In Restricted Working Space, Add	*4.83*	
23 05 29 00-0694	EA	3/8" Diameter x 42" Length Shank, Welded Eye Rod	37.32	8.43
		For Work In Restricted Working Space, Add	*5.05*	
23 05 29 00-0695	EA	3/8" Diameter x 48" Length Shank, Welded Eye Rod	39.24	8.78
		For Work In Restricted Working Space, Add	*5.27*	
23 05 29 00-0696	EA	1/2" Diameter x 8" Length Shank, Welded Eye Rod	34.53	7.03
		For Work In Restricted Working Space, Add	*4.21*	
23 05 29 00-0697	EA	1/2" Diameter x 10" Length Shank, Welded Eye Rod	35.37	7.14
		For Work In Restricted Working Space, Add	*4.29*	
23 05 29 00-0698	EA	1/2" Diameter x 12" Length Shank, Welded Eye Rod	36.23	7.26
		For Work In Restricted Working Space, Add	*4.37*	
23 05 29 00-0699	EA	1/2" Diameter x 14" Length Shank, Welded Eye Rod	37.08	7.37
		For Work In Restricted Working Space, Add	*4.45*	
23 05 29 00-0700	EA	1/2" Diameter x 18" Length Shank, Welded Eye Rod	38.76	7.61
		For Work In Restricted Working Space, Add	*4.60*	
23 05 29 00-0701	EA	1/2" Diameter x 24" Length Shank, Welded Eye Rod	41.88	8.08
		For Work In Restricted Working Space, Add	*4.84*	

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23 05 29 00-0702	EA	1/2" Diameter x 30" Length Shank, Welded Eye Rod	44.43	8.43
		For Work In Restricted Working Space, Add	*5.07*	
23 05 29 00-0703	EA	1/2" Diameter x 36" Length Shank, Welded Eye Rod	47.54	8.78
		For Work In Restricted Working Space, Add	*5.30*	
23 05 29 00-0704	EA	1/2" Diameter x 42" Length Shank, Welded Eye Rod	50.06	9.25
		For Work In Restricted Working Space, Add	*5.54*	
23 05 29 00-0705	EA	1/2" Diameter x 48" Length Shank, Welded Eye Rod	52.61	9.60
		For Work In Restricted Working Space, Add	*5.77*	
23 05 29 00-0706	EA	5/8" Diameter x 8" Length Shank, Welded Eye Rod	46.16	7.85
		For Work In Restricted Working Space, Add	*4.71*	
23 05 29 00-0707	EA	5/8" Diameter x 10" Length Shank, Welded Eye Rod	47.59	7.97
		For Work In Restricted Working Space, Add	*4.79*	
23 05 29 00-0708	EA	5/8" Diameter x 12" Length Shank, Welded Eye Rod	49.05	8.08
		For Work In Restricted Working Space, Add	*4.88*	
23 05 29 00-0709	EA	5/8" Diameter x 14" Length Shank, Welded Eye Rod	49.90	8.31
		For Work In Restricted Working Space, Add	*4.96*	
23 05 29 00-0710	EA	5/8" Diameter x 18" Length Shank, Welded Eye Rod	52.19	8.55
		For Work In Restricted Working Space, Add	*5.12*	
23 05 29 00-0711	EA	5/8" Diameter x 24" Length Shank, Welded Eye Rod	55.93	8.90
		For Work In Restricted Working Space, Add	*5.36*	
23 05 29 00-0712	EA	5/8" Diameter x 30" Length Shank, Welded Eye Rod	59.65	9.37
		For Work In Restricted Working Space, Add	*5.60*	
23 05 29 00-0713	EA	5/8" Diameter x 36" Length Shank, Welded Eye Rod	62.81	9.72
		For Work In Restricted Working Space, Add	*5.85*	
23 05 29 00-0714	EA	5/8" Diameter x 42" Length Shank, Welded Eye Rod	66.55	10.18
		For Work In Restricted Working Space, Add	*6.09*	
23 05 29 00-0715	EA	5/8" Diameter x 48" Length Shank, Welded Eye Rod	70.27	10.54
		For Work In Restricted Working Space, Add	*6.33*	
23 05 29 00-0716	EA	3/4" Diameter x 8" Length Shank, Welded Eye Rod	56.49	8.90
		For Work In Restricted Working Space, Add	*5.36*	
23 05 29 00-0717	EA	3/4" Diameter x 10" Length Shank, Welded Eye Rod	58.54	9.01
		For Work In Restricted Working Space, Add	*5.44*	
23 05 29 00-0718	EA	3/4" Diameter x 12" Length Shank, Welded Eye Rod	59.98	9.25
		For Work In Restricted Working Space, Add	*5.52*	
23 05 29 00-0719	EA	3/4" Diameter x 14" Length Shank, Welded Eye Rod	62.01	9.37
		For Work In Restricted Working Space, Add	*5.61*	
23 05 29 00-0720	EA	3/4" Diameter x 18" Length Shank, Welded Eye Rod	65.49	9.60
		For Work In Restricted Working Space, Add	*5.77*	
23 05 29 00-0721	EA	3/4" Diameter x 24" Length Shank, Welded Eye Rod	70.40	10.07
		For Work In Restricted Working Space, Add	*6.02*	
23 05 29 00-0722	EA	3/4" Diameter x 30" Length Shank, Welded Eye Rod	75.33	10.42
		For Work In Restricted Working Space, Add	*6.27*	
23 05 29 00-0723	EA	3/4" Diameter x 36" Length Shank, Welded Eye Rod	80.87	10.89
		For Work In Restricted Working Space, Add	*6.52*	
23 05 29 00-0724	EA	3/4" Diameter x 42" Length Shank, Welded Eye Rod	86.35	11.24
		For Work In Restricted Working Space, Add	*6.77*	
23 05 29 00-0725	EA	3/4" Diameter x 48" Length Shank, Welded Eye Rod	91.29	11.71
		For Work In Restricted Working Space, Add	*7.02*	
23 05 29 00-0726	EA	7/8" Diameter x 8" Length Shank, Welded Eye Rod	67.55	10.30
		For Work In Restricted Working Space, Add	*6.22*	
23 05 29 00-0727	EA	7/8" Diameter x 10" Length Shank, Welded Eye Rod	70.17	10.54
		For Work In Restricted Working Space, Add	*6.30*	
23 05 29 00-0728	EA	7/8" Diameter x 12" Length Shank, Welded Eye Rod	72.22	10.66
		For Work In Restricted Working Space, Add	*6.39*	
23 05 29 00-0729	EA	7/8" Diameter x 14" Length Shank, Welded Eye Rod	74.26	10.78
		For Work In Restricted Working Space, Add	*6.47*	
23 05 29 00-0730	EA	7/8" Diameter x 18" Length Shank, Welded Eye Rod	78.37	11.12
		For Work In Restricted Working Space, Add	*6.65*	
23 05 29 00-0731	EA	7/8" Diameter x 24" Length Shank, Welded Eye Rod	85.07	11.47
		For Work In Restricted Working Space, Add	*6.91*	
23 05 29 00-0732	EA	7/8" Diameter x 30" Length Shank, Welded Eye Rod	91.20	11.95
		For Work In Restricted Working Space, Add	*7.17*	
23 05 29 00-0733	EA	7/8" Diameter x 36" Length Shank, Welded Eye Rod	97.92	12.41
		For Work In Restricted Working Space, Add	*7.43*	
23 05 29 00-0734	EA	7/8" Diameter x 42" Length Shank, Welded Eye Rod	104.06	12.76
		For Work In Restricted Working Space, Add	*7.69*	
23 05 29 00-0735	EA	7/8" Diameter x 48" Length Shank, Welded Eye Rod	110.19	13.23
		For Work In Restricted Working Space, Add	*7.95*	
23 05 29 00-0736	EA	1" Diameter x 8" Length Shank, Welded Eye Rod	84.43	12.41
		For Work In Restricted Working Space, Add	*7.42*	
23 05 29 00-0737	EA	1" Diameter x 10" Length Shank, Welded Eye Rod	87.10	12.53
		For Work In Restricted Working Space, Add	*7.52*	
23 05 29 00-0738	EA	1" Diameter x 12" Length Shank, Welded Eye Rod	89.76	12.65
		For Work In Restricted Working Space, Add	*7.61*	
23 05 29 00-0739	EA	1" Diameter x 14" Length Shank, Welded Eye Rod	92.43	12.88
		For Work In Restricted Working Space, Add	*7.71*	
23 05 29 00-0740	EA	1" Diameter x 18" Length Shank, Welded Eye Rod	97.75	13.23
		For Work In Restricted Working Space, Add	*7.91*	
23 05 29 00-0741	EA	1" Diameter x 24" Length Shank, Welded Eye Rod	105.76	13.70
		For Work In Restricted Working Space, Add	*8.20*	
23 05 29 00-0742	EA	1" Diameter x 30" Length Shank, Welded Eye Rod	113.77	14.17
		For Work In Restricted Working Space, Add	*8.49*	
23 05 29 00-0743	EA	1" Diameter x 36" Length Shank, Welded Eye Rod	122.33	14.63
		For Work In Restricted Working Space, Add	*8.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0744	EA	1" Diameter x 42" Length Shank, Welded Eye Rod	130.33	15.11
		For Work In Restricted Working Space, Add	*9.08*	
23 05 29 00-0745	EA	1" Diameter x 48" Length Shank, Welded Eye Rod	138.35	15.57
		For Work In Restricted Working Space, Add	*9.37*	

23 05 29 00-0746 Welded Linked Eye Rod (Cooper B-Line B3211X) *(23 05 29 00-0630)*

23 05 29 00-0747	EA	3/8" Diameter x 16" Length Shank, Linked Welded Eye Rod	53.44	8.55
		For Work In Restricted Working Space, Add	*5.15*	
23 05 29 00-0748	EA	3/8" Diameter x 20" Length Shank, Linked Welded Eye Rod	54.87	8.78
		For Work In Restricted Working Space, Add	*5.30*	
23 05 29 00-0749	EA	3/8" Diameter x 24" Length Shank, Linked Welded Eye Rod	56.32	9.13
		For Work In Restricted Working Space, Add	*5.44*	
23 05 29 00-0750	EA	3/8" Diameter x 30" Length Shank, Linked Welded Eye Rod	57.06	9.48
		For Work In Restricted Working Space, Add	*5.66*	
23 05 29 00-0751	EA	3/8" Diameter x 36" Length Shank, Linked Welded Eye Rod	59.72	9.84
		For Work In Restricted Working Space, Add	*5.88*	
23 05 29 00-0752	EA	3/8" Diameter x 48" Length Shank, Linked Welded Eye Rod	63.18	10.53
		For Work In Restricted Working Space, Add	*6.32*	
23 05 29 00-0753	EA	3/8" Diameter x 60" Length Shank, Linked Welded Eye Rod	65.59	11.24
		For Work In Restricted Working Space, Add	*6.76*	
23 05 29 00-0754	EA	3/8" Diameter x 72" Length Shank, Linked Welded Eye Rod	69.99	12.06
		For Work In Restricted Working Space, Add	*7.20*	
23 05 29 00-0755	EA	1/2" Diameter x 16" Length Shank, Linked Welded Eye Rod	68.61	9.49
		For Work In Restricted Working Space, Add	*5.69*	
23 05 29 00-0756	EA	1/2" Diameter x 20" Length Shank, Linked Welded Eye Rod	70.10	9.72
		For Work In Restricted Working Space, Add	*5.85*	
23 05 29 00-0757	EA	1/2" Diameter x 24" Length Shank, Linked Welded Eye Rod	71.63	9.95
		For Work In Restricted Working Space, Add	*6.00*	
23 05 29 00-0758	EA	1/2" Diameter x 30" Length Shank, Linked Welded Eye Rod	73.38	10.42
		For Work In Restricted Working Space, Add	*6.24*	
23 05 29 00-0759	EA	1/2" Diameter x 36" Length Shank, Linked Welded Eye Rod	76.09	10.78
		For Work In Restricted Working Space, Add	*6.47*	
23 05 29 00-0760	EA	1/2" Diameter x 48" Length Shank, Linked Welded Eye Rod	81.55	11.59
		For Work In Restricted Working Space, Add	*6.94*	
23 05 29 00-0761	EA	1/2" Diameter x 60" Length Shank, Linked Welded Eye Rod	86.05	12.30
		For Work In Restricted Working Space, Add	*7.41*	
23 05 29 00-0762	EA	1/2" Diameter x 72" Length Shank, Linked Welded Eye Rod	91.51	13.11
		For Work In Restricted Working Space, Add	*7.87*	
23 05 29 00-0763	EA	5/8" Diameter x 16" Length Shank, Linked Welded Eye Rod	91.27	10.54
		For Work In Restricted Working Space, Add	*6.35*	
23 05 29 00-0764	EA	5/8" Diameter x 20" Length Shank, Linked Welded Eye Rod	93.74	10.89
		For Work In Restricted Working Space, Add	*6.52*	
23 05 29 00-0765	EA	5/8" Diameter x 24" Length Shank, Linked Welded Eye Rod	96.25	11.12
		For Work In Restricted Working Space, Add	*6.68*	
23 05 29 00-0766	EA	5/8" Diameter x 30" Length Shank, Linked Welded Eye Rod	98.04	11.59
		For Work In Restricted Working Space, Add	*6.92*	
23 05 29 00-0767	EA	5/8" Diameter x 36" Length Shank, Linked Welded Eye Rod	101.77	11.95
		For Work In Restricted Working Space, Add	*7.16*	
23 05 29 00-0768	EA	5/8" Diameter x 48" Length Shank, Linked Welded Eye Rod	108.27	12.76
		For Work In Restricted Working Space, Add	*7.65*	
23 05 29 00-0769	EA	5/8" Diameter x 60" Length Shank, Linked Welded Eye Rod	114.75	13.59
		For Work In Restricted Working Space, Add	*8.13*	
23 05 29 00-0770	EA	5/8" Diameter x 72" Length Shank, Linked Welded Eye Rod	120.27	14.40
		For Work In Restricted Working Space, Add	*8.62*	
23 05 29 00-0771	EA	3/4" Diameter x 16" Length Shank, Linked Welded Eye Rod	115.03	11.95
		For Work In Restricted Working Space, Add	*7.19*	
23 05 29 00-0772	EA	3/4" Diameter x 20" Length Shank, Linked Welded Eye Rod	118.55	12.30
		For Work In Restricted Working Space, Add	*7.37*	
23 05 29 00-0773	EA	3/4" Diameter x 24" Length Shank, Linked Welded Eye Rod	121.03	12.53
		For Work In Restricted Working Space, Add	*7.53*	
23 05 29 00-0774	EA	3/4" Diameter x 30" Length Shank, Linked Welded Eye Rod	124.79	13.00
		For Work In Restricted Working Space, Add	*7.78*	
23 05 29 00-0775	EA	3/4" Diameter x 36" Length Shank, Linked Welded Eye Rod	130.50	13.35
		For Work In Restricted Working Space, Add	*8.03*	
23 05 29 00-0776	EA	3/4" Diameter x 48" Length Shank, Linked Welded Eye Rod	138.97	14.17
		For Work In Restricted Working Space, Add	*8.53*	
23 05 29 00-0777	EA	3/4" Diameter x 60" Length Shank, Linked Welded Eye Rod	147.47	14.99
		For Work In Restricted Working Space, Add	*9.03*	
23 05 29 00-0778	EA	3/4" Diameter x 72" Length Shank, Linked Welded Eye Rod	156.95	15.92
		For Work In Restricted Working Space, Add	*9.53*	
23 05 29 00-0779	EA	7/8" Diameter x 16" Length Shank, Linked Welded Eye Rod	138.02	13.82
		For Work In Restricted Working Space, Add	*8.32*	
23 05 29 00-0780	EA	7/8" Diameter x 20" Length Shank, Linked Welded Eye Rod	142.51	14.17
		For Work In Restricted Working Space, Add	*8.49*	
23 05 29 00-0781	EA	7/8" Diameter x 24" Length Shank, Linked Welded Eye Rod	146.02	14.40
		For Work In Restricted Working Space, Add	*8.67*	
23 05 29 00-0782	EA	7/8" Diameter x 30" Length Shank, Linked Welded Eye Rod	149.80	14.88
		For Work In Restricted Working Space, Add	*8.93*	
23 05 29 00-0783	EA	7/8" Diameter x 36" Length Shank, Linked Welded Eye Rod	156.55	15.34
		For Work In Restricted Working Space, Add	*9.19*	
23 05 29 00-0784	EA	7/8" Diameter x 48" Length Shank, Linked Welded Eye Rod	168.02	16.16
		For Work In Restricted Working Space, Add	*9.71*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0785		EA	7/8" Diameter x 60" Length Shank, Linked Welded Eye Rod	178.52	17.09
			For Work In Restricted Working Space, Add	*10.22*	
23 05 29 00-0786		EA	7/8" Diameter x 72" Length Shank, Linked Welded Eye Rod	190.01	17.92
			For Work In Restricted Working Space, Add	*10.75*	
23 05 29 00-0787		EA	1" Diameter x 16" Length Shank, Linked Welded Eye Rod	175.52	16.51
			For Work In Restricted Working Space, Add	*9.92*	
23 05 29 00-0788		EA	1" Diameter x 20" Length Shank, Linked Welded Eye Rod	180.07	16.86
			For Work In Restricted Working Space, Add	*10.11*	
23 05 29 00-0789		EA	1" Diameter x 24" Length Shank, Linked Welded Eye Rod	184.63	17.21
			For Work In Restricted Working Space, Add	*10.31*	
23 05 29 00-0790		EA	1" Diameter x 30" Length Shank, Linked Welded Eye Rod	189.52	17.69
			For Work In Restricted Working Space, Add	*10.60*	
23 05 29 00-0791		EA	1" Diameter x 36" Length Shank, Linked Welded Eye Rod	198.25	18.15
			For Work In Restricted Working Space, Add	*10.89*	
23 05 29 00-0792		EA	1" Diameter x 48" Length Shank, Linked Welded Eye Rod	211.93	19.09
			For Work In Restricted Working Space, Add	*11.48*	
23 05 29 00-0793		EA	1" Diameter x 60" Length Shank, Linked Welded Eye Rod	225.62	20.14
			For Work In Restricted Working Space, Add	*12.06*	
23 05 29 00-0794		EA	1" Diameter x 72" Length Shank, Linked Welded Eye Rod	240.18	21.08
			For Work In Restricted Working Space, Add	*12.65*	

23 05 29 00-0795 Attachments *(23 05 29 00-0629)*

23 05 29 00-0796 Welded Beam Attachments (B-Line B-3083) *(23 05 29 00-0795)*

Note: Type 22.

23 05 29 00-0797		EA	3/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)	56.58	10.96
			For Work In Restricted Working Space, Add	*6.57*	
23 05 29 00-0798		EA	1/2" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)	60.47	11.51
			For Work In Restricted Working Space, Add	*6.92*	
23 05 29 00-0799		EA	5/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)	64.44	12.17
			For Work In Restricted Working Space, Add	*7.31*	
23 05 29 00-0800		EA	3/4" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)	83.85	12.94
			For Work In Restricted Working Space, Add	*7.74*	
23 05 29 00-0801		EA	7/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)	101.69	13.71
			For Work In Restricted Working Space, Add	*8.22*	
23 05 29 00-0802		EA	1" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)	144.74	15.67
			For Work In Restricted Working Space, Add	*9.40*	
23 05 29 00-0803		EA	1-1/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)	208.49	16.44
			For Work In Restricted Working Space, Add	*9.86*	

23 05 29 00-0804 C-Clamp Style Beam Clamps (B-Line B-3034) *(23 05 29 00-0795)*

Note: Type 23. Top or bottom flange mount.

23 05 29 00-0805		EA	3/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)	18.87	5.97
			For Work In Restricted Working Space, Add	*4.39*	
23 05 29 00-0806		EA	1/2" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)	22.95	7.61
			For Work In Restricted Working Space, Add	*4.68*	
23 05 29 00-0807		EA	5/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)	26.27	8.20
			For Work In Restricted Working Space, Add	*5.02*	
23 05 29 00-0808		EA	3/4" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)	34.58	8.78
			For Work In Restricted Working Space, Add	*5.41*	
23 05 29 00-0809		EA	7/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)	51.69	9.37
			For Work In Restricted Working Space, Add	*5.86*	

23 05 29 00-0810 Bottom Mount I-Beam Clamps (B-Line B-3055) *(23 05 29 00-0795)*

Note: Type 21. For attaching threaded rod centered under beam flanges.

23 05 29 00-0811		EA	3/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)	56.74	8.20
			For Work In Restricted Working Space, Add	*5.85*	
23 05 29 00-0812		EA	1/2" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)	85.08	10.54
			For Work In Restricted Working Space, Add	*6.39*	
23 05 29 00-0813		EA	5/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)	123.16	11.71
			For Work In Restricted Working Space, Add	*7.03*	
23 05 29 00-0814		EA	3/4" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)	147.88	12.88
			For Work In Restricted Working Space, Add	*7.81*	
23 05 29 00-0815		EA	1" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)	365.74	14.05
			For Work In Restricted Working Space, Add	*8.78*	

23 05 29 00-0816 Steel U-Bolts (B-Line B-3188) *(23 05 29 00-0795)*

Note: Type 24. Includes plate and nuts.

23 05 29 00-0817		EA	1/2" Pipe Size, Steel U-Bolt (B-Line B-3188)	15.44	2.93
			For Work In Restricted Working Space, Add	*3.51*	
23 05 29 00-0818		EA	3/4" Pipe Size, Steel U-Bolt (B-Line B-3188)	16.83	3.51
			For Work In Restricted Working Space, Add	*3.70*	
23 05 29 00-0819		EA	1" Pipe Size, Steel U-Bolt (B-Line B-3188)	18.18	3.51
			For Work In Restricted Working Space, Add	*3.90*	
23 05 29 00-0820		EA	1-1/4" Pipe Size, Steel U-Bolt (B-Line B-3188)	20.89	3.51
			For Work In Restricted Working Space, Add	*4.13*	
23 05 29 00-0821		EA	1-1/2" Pipe Size, Steel U-Bolt (B-Line B-3188)	21.48	4.10
			For Work In Restricted Working Space, Add	*4.39*	
23 05 29 00-0822		EA	2" Pipe Size, Steel U-Bolt (B-Line B-3188)	23.01	4.10
			For Work In Restricted Working Space, Add	*4.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0823	EA	2-1/2" Pipe Size, Steel U-Bolt (B-Line B-3188)	34.45	4.10
		For Work In Restricted Working Space, Add	*5.02*	
23 05 29 00-0824	EA	3" Pipe Size, Steel U-Bolt (B-Line B-3188)	38.08	4.68
		For Work In Restricted Working Space, Add	*5.40*	
23 05 29 00-0825	EA	4" Pipe Size, Steel U-Bolt (B-Line B-3188)	46.51	5.27
		For Work In Restricted Working Space, Add	*5.85*	
23 05 29 00-0826		**Copper Standoff Brackets With Flange** *(23 05 29 00-0795)*		
		Note: Installed in wood, concrete, concrete block or steel.		
23 05 29 00-0827	EA	Clamp Size 1/2", Copper Standoff Brackets With Flange	35.12	16.75
		For Work In Restricted Working Space, Add	*10.04*	
23 05 29 00-0828	EA	Clamp Size 3/4", Copper Standoff Brackets With Flange	35.22	16.75
		For Work In Restricted Working Space, Add	*10.04*	
23 05 29 00-0829	EA	Clamp Size 1", Copper Standoff Brackets With Flange	35.32	16.75
		For Work In Restricted Working Space, Add	*10.04*	
23 05 29 00-0830	EA	Clamp Size 1 1/4", Copper Standoff Brackets With Flange	37.54	17.80
		For Work In Restricted Working Space, Add	*10.64*	
23 05 29 00-0831	EA	Clamp Size 1 1/2", Copper Standoff Brackets With Flange	37.75	17.80
		For Work In Restricted Working Space, Add	*10.64*	
23 05 29 00-0832		**Malleable Iron Eye Sockets (B-Line B-3222)** *(23 05 29 00-0795)*		
		Note: Type 16.		
23 05 29 00-0833	EA	3/8" Rod Size, Malleable Iron Eye Socket	12.93	1.75
		For Work In Restricted Working Space, Add	*1.07*	
23 05 29 00-0834	EA	1/2" Rod Size, Malleable Iron Eye Socket	16.45	2.35
		For Work In Restricted Working Space, Add	*1.40*	
23 05 29 00-0835	EA	5/8" Rod Size, Malleable Iron Eye Socket	28.90	2.35
		For Work In Restricted Working Space, Add	*1.42*	
23 05 29 00-0836	EA	3/4" Rod Size, Malleable Iron Eye Socket	41.12	2.35
		For Work In Restricted Working Space, Add	*1.40*	
23 05 29 00-0837	EA	7/8" Rod Size, Malleable Iron Eye Socket	44.25	2.93
		For Work In Restricted Working Space, Add	*1.76*	
23 05 29 00-0838		**Steel Weldless Eye Nuts (B-Line B-3200)** *(23 05 29 00-0795)*		
		Note: Type 17.		
23 05 29 00-0839	EA	3/8" Rod Size, Steel Weldless Eye Nut	43.63	1.75
		For Work In Restricted Working Space, Add	*1.07*	
23 05 29 00-0840	EA	1/2" Rod Size, Steel Weldless Eye Nut	44.76	2.35
		For Work In Restricted Working Space, Add	*1.40*	
23 05 29 00-0841	EA	5/8" Rod Size, Steel Weldless Eye Nut	44.81	2.35
		For Work In Restricted Working Space, Add	*1.42*	
23 05 29 00-0842	EA	3/4" Rod Size, Steel Weldless Eye Nut	44.76	2.35
		For Work In Restricted Working Space, Add	*1.40*	
23 05 29 00-0843	EA	7/8" Rod Size, Steel Weldless Eye Nut	87.99	2.58
		For Work In Restricted Working Space, Add	*1.58*	
23 05 29 00-0844	EA	1" Rod Size, Steel Weldless Eye Nut	88.57	2.93
		For Work In Restricted Working Space, Add	*1.76*	
23 05 29 00-0845		**Top Mount I-Beam Clamps (B-Line B-3042)** *(23 05 29 00-0795)*		
		Note: For attaching threaded rod to either side of an I-beam.		
23 05 29 00-0846	EA	3/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	27.98	5.48
		For Work In Restricted Working Space, Add	*3.29*	
23 05 29 00-0847	EA	1/2" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	33.87	6.03
		For Work In Restricted Working Space, Add	*3.63*	
23 05 29 00-0848	EA	5/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	41.30	6.58
		For Work In Restricted Working Space, Add	*3.99*	
23 05 29 00-0849	EA	3/4" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	57.56	7.13
		For Work In Restricted Working Space, Add	*4.19*	
23 05 29 00-0850	EA	7/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	89.29	8.23
		For Work In Restricted Working Space, Add	*4.93*	
23 05 29 00-0851	EA	3/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	29.56	5.48
		For Work In Restricted Working Space, Add	*3.29*	
23 05 29 00-0852	EA	1/2" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	36.10	6.03
		For Work In Restricted Working Space, Add	*3.63*	
23 05 29 00-0853	EA	5/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	41.30	6.58
		For Work In Restricted Working Space, Add	*3.99*	
23 05 29 00-0854	EA	3/4" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	63.43	7.13
		For Work In Restricted Working Space, Add	*4.19*	
23 05 29 00-0855	EA	7/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	99.32	8.23
		For Work In Restricted Working Space, Add	*4.93*	
23 05 29 00-0856	EA	3/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	33.23	5.48
		For Work In Restricted Working Space, Add	*3.29*	
23 05 29 00-0857	EA	1/2" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	40.23	6.03
		For Work In Restricted Working Space, Add	*3.63*	
23 05 29 00-0858	EA	5/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	50.98	6.58
		For Work In Restricted Working Space, Add	*3.99*	
23 05 29 00-0859	EA	3/4" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	74.42	7.13
		For Work In Restricted Working Space, Add	*4.19*	
23 05 29 00-0860	EA	7/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	120.81	8.23
		For Work In Restricted Working Space, Add	*4.93*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0861		Side Beam Brackets (B-Line B-3062) *(23 05 29 00-0795)*			
		Note: Type 34.			
23 05 29 00-0862	EA	3/8" Rod Size, Side Beam Bracket		21.48	7.61
		For Work In Restricted Working Space, Add		*4.39*	
23 05 29 00-0863	EA	1/2" Rod Size, Side Beam Bracket		25.78	7.61
		For Work In Restricted Working Space, Add		*4.68*	
23 05 29 00-0864	EA	5/8" Rod Size, Side Beam Bracket		34.08	8.20
		For Work In Restricted Working Space, Add		*5.02*	
23 05 29 00-0865	EA	3/4" Rod Size, Side Beam Bracket		62.89	8.78
		For Work In Restricted Working Space, Add		*5.41*	
23 05 29 00-0866	EA	7/8" Rod Size, Side Beam Bracket		73.93	9.95
		For Work In Restricted Working Space, Add		*5.86*	
23 05 29 00-0867		Hex Lag Bolts *(23 05 29 00-0795)*			
		Note: Also known as coach screws.			
23 05 29 00-0868	EA	3/8" x 3-1/2" Long, Hex Lag Bolt		3.45	
		For Work In Restricted Working Space, Add		*0.73*	
23 05 29 00-0869	EA	3/8" x 4" Long, Hex Lag Bolt		3.37	
		For Work In Restricted Working Space, Add		*0.76*	
23 05 29 00-0870	EA	3/8" x 6" Long, Hex Lag Bolt		3.84	
		For Work In Restricted Working Space, Add		*0.79*	
23 05 29 00-0871	EA	3/8" x 8" Long, Hex Lag Bolt		4.70	
		For Work In Restricted Working Space, Add		*0.81*	
23 05 29 00-0872	EA	3/8" x 10" Long, Hex Lag Bolt		5.02	
		For Work In Restricted Working Space, Add		*0.84*	
23 05 29 00-0873	EA	3/8" x 12" Long, Hex Lag Bolt		7.00	
		For Work In Restricted Working Space, Add		*0.88*	
23 05 29 00-0874	EA	1/2" x 3-1/2" Long, Hex Lag Bolt		4.88	
		For Work In Restricted Working Space, Add		*0.88*	
23 05 29 00-0875	EA	1/2" x 4" Long, Hex Lag Bolt		4.68	
		For Work In Restricted Working Space, Add		*0.92*	
23 05 29 00-0876	EA	1/2" x 6" Long, Hex Lag Bolt		5.52	
		For Work In Restricted Working Space, Add		*0.95*	
23 05 29 00-0877	EA	1/2" x 8" Long, Hex Lag Bolt		6.46	
		For Work In Restricted Working Space, Add		*1.00*	
23 05 29 00-0878	EA	1/2" x 10" Long, Hex Lag Bolt		7.71	
		For Work In Restricted Working Space, Add		*1.04*	
23 05 29 00-0879	EA	1/2" x 12" Long, Hex Lag Bolt		8.27	
		For Work In Restricted Working Space, Add		*1.10*	
23 05 29 00-0880	EA	5/8" x 4" Long, Hex Lag Bolt		7.04	
		For Work In Restricted Working Space, Add		*0.98*	
23 05 29 00-0881	EA	3/4" x 5" Long, Hex Lag Bolt		8.43	
		For Work In Restricted Working Space, Add		*1.00*	
23 05 29 00-0882		Hanger Strap *(23 05 29 00-0629)*			
23 05 29 00-0883	LF	3/4" Wide x 0.025" Thick Galvanized Hanger Strap		5.68	
23 05 29 00-0884		Shields And Saddles *(23 05 29)*			
23 05 29 00-0885		Insulation Protection Shield *(23 05 29 00-0884)*			
		Note: Type 40.			
23 05 29 00-0886		Insulation Protection Shield (Cooper B-Line B3151) *(23 05 29 00-0885)*			
23 05 29 00-0887	EA	1-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)		15.39	2.81
		For Work In Restricted Working Space, Add		*2.81*	
23 05 29 00-0888	EA	2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)		15.62	2.85
		For Work In Restricted Working Space, Add		*2.85*	
23 05 29 00-0889	EA	2-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)		15.98	2.88
		For Work In Restricted Working Space, Add		*2.88*	
23 05 29 00-0890	EA	3" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)		16.68	2.92
		For Work In Restricted Working Space, Add		*2.92*	
23 05 29 00-0891	EA	4" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)		18.33	2.98
		For Work In Restricted Working Space, Add		*2.99*	
23 05 29 00-0892	EA	6" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)		22.06	3.05
		For Work In Restricted Working Space, Add		*3.05*	
23 05 29 00-0893	EA	8" Outside Diameter, 16 Gauge Insulation Protection Shield, 18" Length (Cooper B-Line B3151)		25.45	3.12
		For Work In Restricted Working Space, Add		*3.13*	
23 05 29 00-0894	EA	10" Outside Diameter, 16 Gauge Insulation Protection Shield, 18" Length (Cooper B-Line B3151)		30.80	3.19
		For Work In Restricted Working Space, Add		*3.20*	
23 05 29 00-0895	EA	12" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)		39.11	3.23
		For Work In Restricted Working Space, Add		*3.23*	
23 05 29 00-0896	EA	14" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)		42.46	3.26
		For Work In Restricted Working Space, Add		*3.27*	
23 05 29 00-0897	EA	16" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)		57.85	3.30
		For Work In Restricted Working Space, Add		*3.30*	
23 05 29 00-0898	EA	18" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)		64.80	3.33
		For Work In Restricted Working Space, Add		*3.34*	
23 05 29 00-0899	EA	20" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)		118.80	3.37
		For Work In Restricted Working Space, Add		*3.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0900	EA	24" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	129.02	3.44
		For Work In Restricted Working Space, Add	*3.44*	
23 05 29 00-0901	EA	30" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	155.61	3.52
		For Work In Restricted Working Space, Add	*3.51*	

23 05 29 00-0902 Insulation Protection Shield (Cooper B-Line B3154) *(23 05 29 00-0885)*

23 05 29 00-0903	EA	1-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	13.74	2.81
		For Work In Restricted Working Space, Add	*2.81*	
23 05 29 00-0904	EA	2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	13.93	2.85
		For Work In Restricted Working Space, Add	*2.85*	
23 05 29 00-0905	EA	2-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	14.22	2.88
		For Work In Restricted Working Space, Add	*2.88*	
23 05 29 00-0906	EA	3" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	14.77	2.92
		For Work In Restricted Working Space, Add	*2.92*	
23 05 29 00-0907	EA	4" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	16.02	2.98
		For Work In Restricted Working Space, Add	*2.99*	
23 05 29 00-0908	EA	6" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	18.80	3.05
		For Work In Restricted Working Space, Add	*3.05*	
23 05 29 00-0909	EA	8" Outside Diameter, 16 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154)	20.13	3.12
		For Work In Restricted Working Space, Add	*3.13*	
23 05 29 00-0910	EA	10" Outside Diameter, 16 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154)	25.27	3.19
		For Work In Restricted Working Space, Add	*3.20*	
23 05 29 00-0911	EA	12" Outside Diameter, 14 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154)	30.02	3.23
		For Work In Restricted Working Space, Add	*3.23*	

23 05 29 00-0912 Pipe Covering Protection Saddle *(23 05 29 00-0884)*

Note: Sizes are pipe sizes.

23 05 29 00-0913 Saddle, For 1" Insulation (Cooper B-Line B3160) *(23 05 29 00-0912)*

23 05 29 00-0914	EA	3/4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	23.46	3.88
		For Work In Restricted Working Space, Add	*3.88*	
23 05 29 00-0915	EA	1" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	23.56	3.91
		For Work In Restricted Working Space, Add	*3.91*	
23 05 29 00-0916	EA	1-1/4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	23.67	3.94
		For Work In Restricted Working Space, Add	*3.95*	
23 05 29 00-0917	EA	1-1/2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	24.79	4.02
		For Work In Restricted Working Space, Add	*4.01*	
23 05 29 00-0918	EA	2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	24.89	4.05
		For Work In Restricted Working Space, Add	*4.04*	
23 05 29 00-0919	EA	2-1/2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	25.69	4.11
		For Work In Restricted Working Space, Add	*4.11*	
23 05 29 00-0920	EA	3" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	28.39	4.18
		For Work In Restricted Working Space, Add	*4.18*	
23 05 29 00-0921	EA	4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	31.67	4.24
		For Work In Restricted Working Space, Add	*4.24*	
23 05 29 00-0922	EA	6" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	35.43	4.37
		For Work In Restricted Working Space, Add	*4.37*	
23 05 29 00-0923	EA	8" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	42.79	4.54
		For Work In Restricted Working Space, Add	*4.54*	
23 05 29 00-0924	EA	10" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	47.62	4.60
		For Work In Restricted Working Space, Add	*4.61*	
23 05 29 00-0925	EA	12" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	56.10	4.60
		For Work In Restricted Working Space, Add	*4.70*	
23 05 29 00-0926	EA	14" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	61.10	4.76
		For Work In Restricted Working Space, Add	*4.77*	

23 05 29 00-0927 Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) *(23 05 29 00-0912)*

23 05 29 00-0928	EA	3/4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	26.26	3.88
		For Work In Restricted Working Space, Add	*3.88*	
23 05 29 00-0929	EA	1" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	26.36	3.91
		For Work In Restricted Working Space, Add	*3.91*	
23 05 29 00-0930	EA	1-1/4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	26.47	3.94
		For Work In Restricted Working Space, Add	*3.95*	
23 05 29 00-0931	EA	1-1/2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	27.40	4.02
		For Work In Restricted Working Space, Add	*4.01*	
23 05 29 00-0932	EA	2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	29.45	4.05
		For Work In Restricted Working Space, Add	*4.04*	
23 05 29 00-0933	EA	2-1/2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	31.62	4.11
		For Work In Restricted Working Space, Add	*4.11*	
23 05 29 00-0934	EA	3" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	32.14	4.18
		For Work In Restricted Working Space, Add	*4.18*	
23 05 29 00-0935	EA	4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	36.29	4.18
		For Work In Restricted Working Space, Add	*4.24*	
23 05 29 00-0936	EA	6" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	40.66	4.37
		For Work In Restricted Working Space, Add	*4.37*	
23 05 29 00-0937	EA	8" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	47.92	4.54
		For Work In Restricted Working Space, Add	*4.54*	
23 05 29 00-0938	EA	10" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	53.69	4.60
		For Work In Restricted Working Space, Add	*4.61*	
23 05 29 00-0939	EA	12" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	63.59	4.70
		For Work In Restricted Working Space, Add	*4.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0940	EA	14" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	69.50	4.76
		For Work In Restricted Working Space, Add	*4.77*	
23 05 29 00-0941		**Saddle, For 2" Insulation (Cooper B-Line B3162)** *(23 05 29 00-0912)*		
23 05 29 00-0942	EA	3/4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	28.06	4.08
		For Work In Restricted Working Space, Add	*4.08*	
23 05 29 00-0943	EA	1" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	28.18	4.11
		For Work In Restricted Working Space, Add	*4.11*	
23 05 29 00-0944	EA	1-1/4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	29.59	4.14
		For Work In Restricted Working Space, Add	*4.14*	
23 05 29 00-0945	EA	1-1/2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	30.47	4.21
		For Work In Restricted Working Space, Add	*4.21*	
23 05 29 00-0946	EA	2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	31.23	4.24
		For Work In Restricted Working Space, Add	*4.24*	
23 05 29 00-0947	EA	2-1/2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	31.45	4.32
		For Work In Restricted Working Space, Add	*4.31*	
23 05 29 00-0948	EA	3" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	33.18	4.38
		For Work In Restricted Working Space, Add	*4.37*	
23 05 29 00-0949	EA	4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	34.90	4.45
		For Work In Restricted Working Space, Add	*4.44*	
23 05 29 00-0950	EA	6" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	44.12	4.59
		For Work In Restricted Working Space, Add	*4.61*	
23 05 29 00-0951	EA	8" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	49.85	4.76
		For Work In Restricted Working Space, Add	*4.77*	
23 05 29 00-0952	EA	10" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	52.27	4.84
		For Work In Restricted Working Space, Add	*4.83*	
23 05 29 00-0953	EA	12" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	69.97	4.94
		For Work In Restricted Working Space, Add	*4.93*	
23 05 29 00-0954	EA	14" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	77.32	5.01
		For Work In Restricted Working Space, Add	*5.00*	
23 05 29 00-0955	EA	16" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	84.89	5.13
		For Work In Restricted Working Space, Add	*5.13*	
23 05 29 00-0956	EA	18" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	92.46	5.27
		For Work In Restricted Working Space, Add	*5.26*	
23 05 29 00-0957	EA	20" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	101.26	5.39
		For Work In Restricted Working Space, Add	*5.39*	
23 05 29 00-0958	EA	24" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	115.74	5.52
		For Work In Restricted Working Space, Add	*5.53*	
23 05 29 00-0959		**Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)** *(23 05 29 00-0912)*		
23 05 29 00-0960	EA	1-1/4" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	31.33	4.24
		For Work In Restricted Working Space, Add	*4.24*	
23 05 29 00-0961	EA	1-1/2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	33.01	4.31
		For Work In Restricted Working Space, Add	*4.31*	
23 05 29 00-0962	EA	2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	33.86	4.35
		For Work In Restricted Working Space, Add	*4.34*	
23 05 29 00-0963	EA	2-1/2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	34.82	4.42
		For Work In Restricted Working Space, Add	*4.41*	
23 05 29 00-0964	EA	3" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	35.15	4.50
		For Work In Restricted Working Space, Add	*4.51*	
23 05 29 00-0965	EA	4" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	40.63	4.56
		For Work In Restricted Working Space, Add	*4.57*	
23 05 29 00-0966	EA	6" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	46.34	4.70
		For Work In Restricted Working Space, Add	*4.70*	
23 05 29 00-0967	EA	8" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	53.79	4.88
		For Work In Restricted Working Space, Add	*4.87*	
23 05 29 00-0968	EA	10" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	57.57	4.96
		For Work In Restricted Working Space, Add	*4.97*	
23 05 29 00-0969	EA	12" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	71.78	5.05
		For Work In Restricted Working Space, Add	*5.06*	
23 05 29 00-0970	EA	14" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	84.95	5.13
		For Work In Restricted Working Space, Add	*5.13*	
23 05 29 00-0971	EA	16" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	98.34	5.25
		For Work In Restricted Working Space, Add	*5.26*	
23 05 29 00-0972	EA	18" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	104.41	5.38
		For Work In Restricted Working Space, Add	*5.39*	
23 05 29 00-0973	EA	20" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	111.15	5.52
		For Work In Restricted Working Space, Add	*5.53*	
23 05 29 00-0974	EA	24" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	117.90	5.65
		For Work In Restricted Working Space, Add	*5.66*	
23 05 29 00-0975		**Saddle, For 3" Insulation (Cooper B-Line B3164)** *(23 05 29 00-0912)*		
23 05 29 00-0976	EA	2" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	35.01	4.45
		For Work In Restricted Working Space, Add	*4.44*	
23 05 29 00-0977	EA	2-1/2" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	38.13	4.53
		For Work In Restricted Working Space, Add	*4.54*	
23 05 29 00-0978	EA	3" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	39.73	4.59
		For Work In Restricted Working Space, Add	*4.61*	
23 05 29 00-0979	EA	4" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	41.34	4.67
		For Work In Restricted Working Space, Add	*4.67*	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0980	EA	6" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	47.34	4.81
		For Work In Restricted Working Space, Add	*4.80*	
23 05 29 00-0981	EA	8" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	59.14	4.99
		For Work In Restricted Working Space, Add	*5.00*	
23 05 29 00-0982	EA	10" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	64.00	5.06
		For Work In Restricted Working Space, Add	*5.06*	
23 05 29 00-0983	EA	12" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	82.95	5.17
		For Work In Restricted Working Space, Add	*5.16*	
23 05 29 00-0984	EA	14" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	98.84	5.25
		For Work In Restricted Working Space, Add	*5.26*	
23 05 29 00-0985	EA	16" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	114.74	5.37
		For Work In Restricted Working Space, Add	*5.36*	
23 05 29 00-0986	EA	18" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	116.96	5.51
		For Work In Restricted Working Space, Add	*5.53*	
23 05 29 00-0987	EA	20" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	119.07	5.64
		For Work In Restricted Working Space, Add	*5.66*	
23 05 29 00-0988	EA	24" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	150.83	5.79
		For Work In Restricted Working Space, Add	*5.79*	

23 05 29 00-0989 Saddle, For 4" Insulation (Cooper B-Line B3165) *(23 05 29 00-0912)*

23 05 29 00-0990	EA	2" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	39.38	4.55
		For Work In Restricted Working Space, Add	*4.54*	
23 05 29 00-0991	EA	2-1/2" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	43.05	4.63
		For Work In Restricted Working Space, Add	*4.64*	
23 05 29 00-0992	EA	3" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	44.93	4.70
		For Work In Restricted Working Space, Add	*4.70*	
23 05 29 00-0993	EA	4" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	46.91	4.76
		For Work In Restricted Working Space, Add	*4.77*	
23 05 29 00-0994	EA	6" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	57.07	4.92
		For Work In Restricted Working Space, Add	*4.93*	
23 05 29 00-0995	EA	8" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	67.22	5.11
		For Work In Restricted Working Space, Add	*5.10*	
23 05 29 00-0996	EA	10" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	69.48	5.18
		For Work In Restricted Working Space, Add	*5.20*	
23 05 29 00-0997	EA	12" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	88.57	5.30
		For Work In Restricted Working Space, Add	*5.30*	
23 05 29 00-0998	EA	14" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	107.31	5.36
		For Work In Restricted Working Space, Add	*5.36*	
23 05 29 00-0999	EA	16" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	126.27	5.50
		For Work In Restricted Working Space, Add	*5.49*	
23 05 29 00-1000	EA	18" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	154.23	5.63
		For Work In Restricted Working Space, Add	*5.63*	
23 05 29 00-1001	EA	20" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	182.05	5.78
		For Work In Restricted Working Space, Add	*5.79*	
23 05 29 00-1002	EA	24" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	194.70	5.92
		For Work In Restricted Working Space, Add	*5.92*	
23 05 29 00-1003	EA	30" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	204.88	6.07
		For Work In Restricted Working Space, Add	*6.08*	
23 05 29 00-1004	EA	36" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	212.41	6.23
		For Work In Restricted Working Space, Add	*6.21*	

23 05 29 00-1005 Adjustable Pipe Saddle Support (Cooper B-Line B3096) *(23 05 29 00-0884)*

23 05 29 00-1006	EA	2" Adjustable Pipe Saddle Support (Cooper B-Line B3096)	88.39	14.63
23 05 29 00-1007	EA	3" Adjustable Pipe Saddle Support (Cooper B-Line B3096)	93.95	16.98
23 05 29 00-1008	EA	4" Adjustable Pipe Saddle Support (Cooper B-Line B3096)	113.99	19.32
23 05 29 00-1009	EA	5" Adjustable Pipe Saddle Support (Cooper B-Line B3096)	119.03	21.08
23 05 29 00-1010	EA	6" Adjustable Pipe Saddle Support (Cooper B-Line B3096)	132.09	23.42
23 05 29 00-1011	EA	8" Adjustable Pipe Saddle Support (Cooper B-Line B3096)	150.77	29.28
23 05 29 00-1012	EA	10" Adjustable Pipe Saddle Support (Cooper B-Line B3096)	197.34	39.23
23 05 29 00-1013	EA	12" Adjustable Pipe Saddle Support (Cooper B-Line B3096)	246.25	58.55

23 05 29 00-1014 Pipe Stanchion Support (Cooper B-Line B3090) *(23 05 29 00-0884)*

23 05 29 00-1015	EA	2-1/2" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	108.58	14.63
23 05 29 00-1016	EA	3" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	112.76	16.98
23 05 29 00-1017	EA	3-1/2" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	120.88	18.15
23 05 29 00-1018	EA	4" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	123.61	19.32
23 05 29 00-1019	EA	5" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	130.10	21.08
23 05 29 00-1020	EA	6" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	138.18	23.42
23 05 29 00-1021	EA	8" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	175.35	29.28
23 05 29 00-1022	EA	10" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	236.45	39.23
23 05 29 00-1023	EA	12" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	310.99	58.55

23 05 29 00-1024 Pipe Saddle Support (Cooper B-Line B3095) *(23 05 29 00-0884)*

23 05 29 00-1025	EA	2-1/2" Pipe Saddle Support (Cooper B-Line B3095)	57.39	14.63
23 05 29 00-1026	EA	3" Pipe Saddle Support (Cooper B-Line B3095)	61.57	16.98
23 05 29 00-1027	EA	3-1/2" Pipe Saddle Support (Cooper B-Line B3095)	91.19	18.15
23 05 29 00-1028	EA	4" Pipe Saddle Support (Cooper B-Line B3095)	93.92	19.32
23 05 29 00-1029	EA	5" Pipe Saddle Support (Cooper B-Line B3095)	103.18	21.08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1030	EA	6" Pipe Saddle Support (Cooper B-Line B3095)	114.39	23.42
23 05 29 00-1031	EA	8" Pipe Saddle Support (Cooper B-Line B3095)	131.76	29.28
23 05 29 00-1032	EA	10" Pipe Saddle Support (Cooper B-Line B3095)	154.84	39.23
23 05 29 00-1033	EA	12" Pipe Saddle Support (Cooper B-Line B3095)	197.72	58.55

23 05 29 00-1034 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate *(23 05 29 00-0884)*

Note: Insert is for use as isolated protective insulation at hangers.

23 05 29 00-1035 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate *(23 05 29 00-1034)*

23 05 29 00-1036	EA	1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	16.95	7.46
23 05 29 00-1037	EA	3/4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	17.27	7.46
23 05 29 00-1038	EA	1" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	17.36	7.46
23 05 29 00-1039	EA	1-1/4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	17.68	7.46
23 05 29 00-1040	EA	1-1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	18.90	7.92
23 05 29 00-1041	EA	2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	19.75	8.15
23 05 29 00-1042	EA	2-1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	20.75	8.50
23 05 29 00-1043	EA	3" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	21.83	8.84
23 05 29 00-1044	EA	4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	23.76	9.18
23 05 29 00-1045	EA	6" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	25.36	7.92
23 05 29 00-1046	EA	8" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	39.20	10.33
23 05 29 00-1047	EA	10" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	46.35	12.16
23 05 29 00-1048	EA	12" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	52.82	14.12
23 05 29 00-1049	EA	14" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	59.55	14.58

23 05 29 00-1050 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate *(23 05 29 00-1034)*

23 05 29 00-1051	EA	1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	14.62	5.63
23 05 29 00-1052	EA	3/4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	16.22	5.63
23 05 29 00-1053	EA	1" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	16.58	5.74
23 05 29 00-1054	EA	1-1/4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	17.15	5.85
23 05 29 00-1055	EA	1-1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	17.68	5.85
23 05 29 00-1056	EA	2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	18.62	6.08
23 05 29 00-1057	EA	2-1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	19.70	6.31
23 05 29 00-1058	EA	3" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	20.25	6.42
23 05 29 00-1059	EA	4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	22.31	7.00
23 05 29 00-1060	EA	6" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	33.09	12.05
23 05 29 00-1061	EA	8" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	30.11	9.07
23 05 29 00-1062	EA	10" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	36.50	10.67
23 05 29 00-1063	EA	12" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	41.43	12.28
23 05 29 00-1064	EA	14" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	48.89	14.80

23 05 29 00-1065 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate *(23 05 29 00-1034)*

23 05 29 00-1066	EA	1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	20.43	6.42
23 05 29 00-1067	EA	3/4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	20.69	6.42
23 05 29 00-1068	EA	1" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	21.41	6.55
23 05 29 00-1069	EA	1-1/4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	22.03	6.66
23 05 29 00-1070	EA	1-1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	22.68	6.78
23 05 29 00-1071	EA	2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	23.56	7.00
23 05 29 00-1072	EA	2-1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	24.83	7.23
23 05 29 00-1073	EA	3" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	26.02	7.46
23 05 29 00-1074	EA	4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	28.66	7.92
23 05 29 00-1075	EA	6" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	32.79	8.95
23 05 29 00-1076	EA	8" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	50.86	15.27
23 05 29 00-1077	EA	10" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	55.56	17.67
23 05 29 00-1078	EA	12" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	64.08	20.89
23 05 29 00-1079	EA	14" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	71.85	23.41
23 05 29 00-1080	EA	16" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	80.23	26.40
23 05 29 00-1081	EA	18" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	91.88	30.99
23 05 29 00-1082	EA	20" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	102.02	34.44
23 05 29 00-1083	EA	24" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	115.25	39.03

23 05 29 00-1084 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate *(23 05 29 00-1034)*

23 05 29 00-1085	EA	1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	23.40	7.46
23 05 29 00-1086	EA	3/4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	23.69	7.46
23 05 29 00-1087	EA	1" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	24.56	7.57
23 05 29 00-1088	EA	1-1/4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	25.21	7.69
23 05 29 00-1089	EA	1-1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	25.87	7.69
23 05 29 00-1090	EA	2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	26.94	8.04
23 05 29 00-1091	EA	2-1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	28.38	8.27
23 05 29 00-1092	EA	3" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	29.73	8.61
23 05 29 00-1093	EA	4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	32.71	9.07
23 05 29 00-1094	EA	6" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	37.48	10.33

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1095	EA	8" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	49.24	11.48
23 05 29 00-1096	EA	10" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	58.63	13.20
23 05 29 00-1097	EA	12" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	67.15	16.41
23 05 29 00-1098	EA	14" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	75.69	18.02
23 05 29 00-1099	EA	16" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	89.74	22.96
23 05 29 00-1100	EA	18" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	96.29	24.11
23 05 29 00-1101	EA	20" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	109.36	27.55
23 05 29 00-1102	EA	24" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	128.94	33.29
23 05 29 00-1103		**3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate** *(23 05 29 00-1034)*		
23 05 29 00-1104	EA	1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	50.13	7.69
23 05 29 00-1105	EA	3/4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	59.66	8.04
23 05 29 00-1106	EA	1" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	62.06	8.04
23 05 29 00-1107	EA	1-1/4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	63.59	8.27
23 05 29 00-1108	EA	1-1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	65.38	8.50
23 05 29 00-1109	EA	2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	67.39	8.61
23 05 29 00-1110	EA	2-1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	70.97	8.84
23 05 29 00-1111	EA	3" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	74.10	9.41
23 05 29 00-1112	EA	4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	81.72	9.76
23 05 29 00-1113	EA	6" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	93.50	11.93
23 05 29 00-1114	EA	8" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	121.23	13.08
23 05 29 00-1115	EA	10" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	144.25	13.78
23 05 29 00-1116	EA	12" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	165.44	17.79
23 05 29 00-1117	EA	14" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	186.33	18.94
23 05 29 00-1118	EA	16" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	222.88	25.25
23 05 29 00-1119	EA	18" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	239.93	27.55
23 05 29 00-1120	EA	20" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	271.74	29.85
23 05 29 00-1121	EA	24" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	319.24	36.73
23 05 29 00-1122		**3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate** *(23 05 29 00-1034)*		
23 05 29 00-1123	EA	1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	23.40	7.46
23 05 29 00-1124	EA	3/4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	28.25	9.07
23 05 29 00-1125	EA	1" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	29.51	9.07
23 05 29 00-1126	EA	1-1/4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	30.24	9.18
23 05 29 00-1127	EA	1-1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	31.14	9.29
23 05 29 00-1128	EA	2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	32.28	9.65
23 05 29 00-1129	EA	2-1/2" Diameter Pipe, 3-1/2" 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	34.03	9.99
23 05 29 00-1130	EA	3" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	35.54	10.33
23 05 29 00-1131	EA	4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	39.29	10.91
23 05 29 00-1132	EA	6" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	44.96	12.40
23 05 29 00-1133	EA	8" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	59.04	13.78
23 05 29 00-1134	EA	10" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	70.36	15.84
23 05 29 00-1135	EA	12" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	80.56	19.75
23 05 29 00-1136	EA	14" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	90.85	21.58
23 05 29 00-1137	EA	16" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	107.70	27.55
23 05 29 00-1138	EA	18" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	115.56	28.92
23 05 29 00-1139	EA	20" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	131.30	33.06
23 05 29 00-1140	EA	24" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	154.74	39.95
23 05 29 00-1141		**4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate** *(23 05 29 00-1034)*		
23 05 29 00-1142	EA	1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	31.53	10.10
23 05 29 00-1143	EA	3/4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	31.94	10.10
23 05 29 00-1144	EA	1" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	33.13	10.21
23 05 29 00-1145	EA	1-1/4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	34.08	10.33
23 05 29 00-1146	EA	1-1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	34.81	10.33
23 05 29 00-1147	EA	2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	36.74	11.02
23 05 29 00-1148	EA	2-1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	38.26	11.14
23 05 29 00-1149	EA	3" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	40.13	11.59
23 05 29 00-1150	EA	4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	44.17	12.28
23 05 29 00-1151	EA	6" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	50.57	13.89
23 05 29 00-1152	EA	8" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	65.56	15.03
23 05 29 00-1153	EA	10" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	79.17	17.90
23 05 29 00-1154	EA	12" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	90.66	22.26
23 05 29 00-1155	EA	14" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	102.23	24.22
23 05 29 00-1156	EA	16" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	121.23	30.99
23 05 29 00-1157	EA	18" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	129.94	32.48
23 05 29 00-1158	EA	20" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	145.98	37.19
23 05 29 00-1159	EA	24" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	174.12	44.99
23 05 29 00-1160	EA	26" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	198.55	52.92
23 05 29 00-1161	EA	28" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	225.91	62.44
23 05 29 00-1162	EA	30" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	255.56	73.80
23 05 29 00-1163	EA	42" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	365.45	113.98
23 05 29 00-1164	EA	44" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	393.57	125.46
23 05 29 00-1165	EA	46" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	419.31	135.44

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1166		**Equipment Housekeeping Pads** *(23 05 29)* See CSI section 03 31 13 00-0089 for Concrete Equipment Pads.		
23 05 29 00-1167		**Molded Plastic Condenser Pad** *(23 05 29 00-1166)*		
23 05 29 00-1168	EA	30" Round Molded Plastic Pad	140.35	14.63
23 05 29 00-1169	EA	30" Octagon Molded Plastic Pad	147.65	14.63
23 05 29 00-1170	EA	30" x 30" Molded Plastic Pad	140.35	14.63
23 05 29 00-1171	EA	36" x 36" Molded Plastic Pad	184.12	14.63
23 05 29 00-1172	EA	36" x 48" Molded Plastic Pad	266.03	14.63
23 05 29 00-1173		**Inertia Base** *(23 05 29 00-1166)* Note: Includes spring isolators.		
23 05 29 00-1174	EA	Up To 12 SF Inertia Base, 8" Thick With Spring Base	2,869.06	
23 05 29 00-1175	EA	>12 To 16 SF Inertia Base, 8" Thick With Spring Base	3,469.33	
23 05 29 00-1176	EA	>16 To 20 SF Inertia Base, 8" Thick With Spring Base	3,974.06	
23 05 29 00-1177	EA	>20 To 24 SF Inertia Base, 8" Thick With Spring Base	4,542.49	
23 05 29 00-1178		**Hanger Assemblies** *(23 05 29)* Note: Includes hanger, rod, nuts, washers, clamps, upper attachment, etc. Not for use where detail is available.		
23 05 29 00-1179	EA	1/2" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	54.62	18.20
		For Work In Restricted Working Space, Add	*11.72*	
23 05 29 00-1180	EA	3/4" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	56.78	19.28
		For Work In Restricted Working Space, Add	*12.36*	
23 05 29 00-1181	EA	1" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	58.67	20.50
		For Work In Restricted Working Space, Add	*12.91*	
23 05 29 00-1182	EA	1-1/4" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	59.58	20.53
		For Work In Restricted Working Space, Add	*13.10*	
23 05 29 00-1183	EA	1-1/2" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	59.81	20.53
		For Work In Restricted Working Space, Add	*13.10*	
23 05 29 00-1184	EA	2" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	60.91	20.69
		For Work In Restricted Working Space, Add	*13.30*	
23 05 29 00-1185	EA	2-1/2" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	72.69	22.23
		For Work In Restricted Working Space, Add	*13.58*	
23 05 29 00-1186	EA	3" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	74.55	22.87
		For Work In Restricted Working Space, Add	*13.80*	
23 05 29 00-1187	EA	4" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	91.93	25.82
		For Work In Restricted Working Space, Add	*15.23*	
23 05 29 00-1188	EA	6" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	138.85	33.36
		For Work In Restricted Working Space, Add	*20.01*	
23 05 29 00-1189	EA	8" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	157.15	38.70
		For Work In Restricted Working Space, Add	*23.22*	
23 05 29 00-1190	EA	10" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	213.40	49.16
		For Work In Restricted Working Space, Add	*29.13*	
23 05 29 00-1191	EA	12" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	231.19	52.90
		For Work In Restricted Working Space, Add	*31.80*	
23 05 29 00-1192		**Steel Shapes For Hanger Devices** *(23 05 29)*		
23 05 29 00-1193		**Angle Iron For Hanger Devices** *(23 05 29 00-1192)*		
23 05 29 00-1194	LF	1/2" x 1/2" x 1/8" Angle Iron For Hanger Devices	2.83	1.70
23 05 29 00-1195	LF	3/4" x 3/4" x 1/8" Angle Iron For Hanger Devices	3.71	2.13
23 05 29 00-1196	LF	1" x 1" x 1/8" Angle Iron For Hanger Devices	4.59	2.55
23 05 29 00-1197	LF	1-1/4" x 1-1/4" x 3/16" Angle Iron For Hanger Devices	6.42	3.17
23 05 29 00-1198	LF	1-1/2" x 1-1/2" x 3/16" Angle Iron For Hanger Devices	7.20	3.40
23 05 29 00-1199	LF	2" x 2" x 1/4" Angle Iron For Hanger Devices	9.84	3.82
23 05 29 00-1200	LF	2-1/2" x 2-1/2" x 1/4" Angle Iron For Hanger Devices	12.28	4.65
23 05 29 00-1201	LF	3" x 2" x 3/8" Angle Iron For Hanger Devices	16.04	5.45
23 05 29 00-1202	LF	3" x 3" x 3/8" Angle Iron For Hanger Devices	19.19	6.37
23 05 29 00-1203		**Channels For Hanger Devices** *(23 05 29 00-1192)*		
23 05 29 00-1204	LF	C2 x 1.78, 2" Wide Channels For Hanger Devices	8.47	4.40
23 05 29 00-1205	LF	C3 x 4.1, 3" Wide Channels For Hanger Devices	14.52	6.31
23 05 29 00-1206	LF	C4 x 5.4, 4" Wide Channels For Hanger Devices	18.15	7.58
23 05 29 00-1207	LF	C5 x 6.7 - 5" Wide Channels For Hanger Devices	21.76	8.85

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1208	LF	C6 x 8.2 - 6" Wide Channels For Hanger Devices	26.36	10.61
23 05 29 00-1209	LF	C7 x 9.8 - 7" Wide Channels For Hanger Devices	31.44	12.64
23 05 29 00-1210	LF	C8 x 11.5 - 8" Wide Channels For Hanger Devices	35.66	13.90
23 05 29 00-1211		Structural Bar Tees For Hanger Devices *(23 05 29 00-1192)*		
23 05 29 00-1212	LF	3/4" x 3/4" x 1/8" Structural Bar Tee For Hanger Devices	9.37	6.18
23 05 29 00-1213	LF	1" x 1" x 1/8" Structural Bar Tee For Hanger Devices	11.29	7.30
23 05 29 00-1214	LF	1-1/2" x 1-1/2" x 1/4" Structural Bar Tee For Hanger Devices	16.20	8.42
23 05 29 00-1215	LF	2" x 2" x 1/4" Structural Bar Tee For Hanger Devices	20.88	11.24
23 05 29 00-1216	LF	2-1/2" x 2-1/2" x 3/8" Structural Bar Tee For Hanger Devices	28.66	13.48
23 05 29 00-1217	LF	3" x 3" x 3/8" Structural Bar Tee For Hanger Devices	35.94	17.41
23 05 29 00-1218		Structural Zees For Hanger Devices *(23 05 29 00-1192)*		
23 05 29 00-1219	LF	1-1/4" x 1-3/4" x 1-3/4" Structural Zee For Hanger Devices	16.22	8.42
23 05 29 00-1220	LF	2-11/16" x 3" x 2-11/16" Structural Zee For Hanger Devices	19.56	8.42
23 05 29 00-1221	LF	3-1/16" x 4" x 3-1/16" Structural Zee For Hanger Devices	28.69	8.42
23 05 29 00-1222	LF	3-1/4" x 5" x 3-1/4" Structural Zee For Hanger Devices	36.30	8.42
23 05 29 00-1223	LF	3-1/2" x 6" x 3-1/2" Structural Zee For Hanger Devices	44.29	8.42
23 05 29 00-1224		Junior I-beams For Hanger Devices *(23 05 29 00-1192)*		
23 05 29 00-1225	LF	3" I-beam (Junior) For Hanger Devices	20.14	12.35
23 05 29 00-1226	LF	4" I-beam (Junior) For Hanger Devices	23.18	13.48
23 05 29 00-1227	LF	5" I-beam (Junior) For Hanger Devices	26.78	14.61
23 05 29 00-1228	LF	6" I-beam (Junior) For Hanger Devices	29.30	16.29
23 05 29 00-1229	LF	7" I-beam (Junior) For Hanger Devices	34.89	17.41
23 05 29 00-1230	LF	8" I-beam (Junior) For Hanger Devices	37.78	18.54

23 05 33 Heat Tracing for HVAC Piping *(23 05)*

See CSI section 23 83 13 00-0000 for heat tracing cables.

23 05 48 Vibration and Seismic Controls for HVAC *(23 05)*

23 05 48 13 Vibration Controls for HVAC *(23 05 48)*

23 05 48 13-0001		Unhoused Stable Steel Spring Isolators *(23 05 48 13)*		
		Note: Includes leveling adjustment, cast top, base plate and pad. For use with floor mounted equipment only.		
23 05 48 13-0002	EA	60 Lb. Capacity, Unhoused Steel Spring Isolator	107.26	32.77
23 05 48 13-0003	EA	115 Lb. Capacity, Unhoused Steel Spring Isolator	114.01	32.77
23 05 48 13-0004	EA	1,130 Lb. Capacity, Unhoused Steel Spring Isolator	136.44	32.77
23 05 48 13-0005		Housed Stable Steel Spring Isolators *(23 05 48 13)*		
		Note: Includes leveling adjustment, top plate, base plate and pad. For use with floor mounted equipment only. Mason Industries, Inc.		
23 05 48 13-0006	EA	To 770 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	261.43	32.77
23 05 48 13-0007	EA	To 1,040 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	291.65	32.77
23 05 48 13-0008	EA	To 1,600 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	306.76	32.77
23 05 48 13-0009	EA	To 2,250 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	367.19	32.77
23 05 48 13-0010	EA	To 3,250 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	382.30	32.77
23 05 48 13-0011	EA	To 730 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	287.87	32.77
23 05 48 13-0012	EA	To 930 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	314.31	32.77
23 05 48 13-0013	EA	To 1,440 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	333.20	32.77
23 05 48 13-0014	EA	To 1,860 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	420.07	32.77
23 05 48 13-0015	EA	To 2,880 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	454.06	32.77
23 05 48 13-0016	EA	To 3,720 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	533.38	32.77
23 05 48 13-0017		Vibration Isolators *(23 05 48 13)*		
23 05 48 13-0018		Spring And Rubber Hanger For 1" Deflection *(23 05 48 13-0017)*		
23 05 48 13-0019	EA	50 To 500 Lb. Rated Spring And Rubber Hanger For Vibration Isolation With 3/4" Max Rod Size	141.39	21.08
23 05 48 13-0020	EA	600 To 1,000 Lb. Rated Spring And Rubber Hanger For Vibration Isolation With 7/8" Max Rod Size	297.06	23.42
23 05 48 13-0021		Rubber-In-Shear Isolator Hanger *(23 05 48 13-0017)*		
23 05 48 13-0022	EA	45-340 Lb. Rated Rubber In Shear Hanger 0.38" Deflection With <1/2" Rod Size	78.68	17.57
23 05 48 13-0023	EA	130-700 Lb. Rated Rubber In Shear Hanger 0.43" Deflection With <3/4" Rod Size	101.95	21.08
23 05 48 13-0024		Spring Hanger For 1" Deflection *(23 05 48 13-0017)*		
23 05 48 13-0025	EA	50 To 1,000 Lb. Rated Rubber In Shear Hanger For 1" Deflection With <3/4" Rod Size	89.26	21.08
23 05 48 13-0026		Rubber-In-Shear Vibration Isolator *(23 05 48 13-0017)*		
23 05 48 13-0027	EA	45 To 340 Lb. Rubber In Shear Vibration Isolation With 0.38" Deflection	164.26	39.82
23 05 48 13-0028	EA	130 To 700 Lb. Rubber In Shear Vibration Isolation With 0.43" Deflection	224.09	39.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0029	EA	550 To 1,920 Lb. Rubber In Shear Vibration Isolation With 0.48" Deflection	429.43	39.82
23 05 48 13-0030		**Two-Piece Spring Type Vibration Isolator** *(23 05 48 13-0017)*		
		Note: For equipment support aluminum construction 1/2" adjusting and leveling bolt 1" deflection.		
23 05 48 13-0031	EA	50 To 1,000 Lb. Rated Load 2-Piece Isolator Spring Type Vibration Isolator	139.04	39.82
23 05 48 13-0032	EA	>1,000 To 1,600 Lb. Rated Load 2-Piece Isolator Spring Type Vibration Isolator	143.50	39.82
23 05 48 13-0033		**Open Double Spring Type Vibration Isolator** *(23 05 48 13-0017)*		
		Note: For equipment support 1" deflection neoprene pad and 5/8" stud bolt.		
23 05 48 13-0034	EA	150 To 450 Lb. Rated Load Open Isolator, Double Spring Type Vibration Isolator	108.02	19.90
23 05 48 13-0035	EA	500 To 1,000 Lb. Rated Load Open Isolator, Double Spring Type Vibration Isolator	108.02	19.90
23 05 48 13-0036	EA	1,100 To 1,600 Lb. Rated Load Open Isolator, Double Spring Type Vibration Isolator	122.89	19.90
23 05 48 13-0037	EA	1,700 To 2,400 Lb. Rated Load Open Isolator, Double Spring Type Vibration Isolator	122.89	19.90
23 05 48 13-0038	EA	2,500 To 3,400 Lb. Rated Load Open Isolator, Double Spring Type Vibration Isolator	190.11	19.90
23 05 48 13-0039		**Isolation Pads** *(23 05 48 13-0017)*		
23 05 48 13-0040		**Laminated Neoprene And Cork Isolation Pad** *(23 05 48 13-0039)*		
23 05 48 13-0041	EA	2" x 2", 1" Thick Laminated Neoprene And Cork Isolation Pad	7.12	2.93
23 05 48 13-0042	EA	3" x 3", 1" Thick Laminated Neoprene And Cork Isolation Pad	9.15	3.04
23 05 48 13-0043	EA	4" x 4", 1" Thick Laminated Neoprene And Cork Isolation Pad	11.48	3.16
23 05 48 13-0044	EA	12" x 12", 1" Thick Laminated Neoprene And Cork Isolation Pad	45.67	3.63
23 05 48 13-0045	EA	18" x 18", 1" Thick Laminated Neoprene And Cork Isolation Pad	87.50	4.10
23 05 48 13-0046		**Neoprene And Steel Plate Isolation Pad** *(23 05 48 13-0039)*		
23 05 48 13-0047	EA	6" x 4", 5/8" Thick Steel Plate And Ribbed Neoprene Isolation Pad	141.10	2.93
23 05 48 13-0048	EA	6" x 4", 7/8" Thick Steel Plate And Ribbed Neoprene Isolation Pad	156.07	2.93
23 05 48 13-0049		**Neoprene Isolation Pad** *(23 05 48 13-0039)*		
23 05 48 13-0050	EA	2" x 2", 3/8" Thick Ribbed Neoprene Isolation Pad	6.63	2.93
23 05 48 13-0051	EA	3" x 3", 3/8" Thick Ribbed Neoprene Isolation Pad	7.58	2.93
23 05 48 13-0052	EA	4" x 4", 3/8" Thick Ribbed Neoprene Isolation Pad	9.08	2.93
23 05 48 13-0053	EA	12" x 12", 3/8" Thick Ribbed Neoprene Isolation Pad	44.93	3.52
23 05 48 13-0054	EA	18" x 18", 3/8" Thick Ribbed Neoprene Isolation Pad	82.22	4.10
23 05 48 13-0055		**Miscellaneous Piping Isolators** *(23 05 48 13-0017)*		
23 05 48 13-0056	EA	Vibration Isolator, 2" Deflector Note: M.M. Sausse Model # RMXA.	1,000.17	35.13
23 05 48 13-0057		**Threaded Flexible Bronze Hose Connectors** *(23 05 48 13)*		
		Note: Includes hex threaded nipple ends.		
23 05 48 13-0058	EA	3/8" Diameter x 9" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	76.17	18.73
23 05 48 13-0059	EA	1/2" Diameter x 10" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	89.31	25.76
23 05 48 13-0060	EA	3/4" Diameter x 11" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	109.63	31.62
23 05 48 13-0061	EA	1" Diameter x 12" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	127.58	37.47
23 05 48 13-0062	EA	1-1/4" Diameter x 12" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	146.30	49.18
23 05 48 13-0063	EA	1-1/2" Diameter x 14" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	164.79	52.34
23 05 48 13-0064	EA	2" Diameter x 14" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	220.56	62.06
23 05 48 13-0065	EA	2-1/2" Diameter x 16" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	304.33	96.72
23 05 48 13-0066		**Weld End Flexible Hose Connectors** *(23 05 48 13)*		
23 05 48 13-0067	EA	1/2" Diameter x 10" Flexible Hose Connection, Weld Ends	240.30	67.22
23 05 48 13-0068	EA	3/4" Diameter x 10" Flexible Hose Connection, Weld Ends	280.07	73.78
23 05 48 13-0069	EA	1" Diameter x 10" Flexible Hose Connection, Weld Ends	314.90	78.11
23 05 48 13-0070	EA	1-1/4" Diameter x 11" Flexible Hose Connection, Weld Ends	352.38	89.00
23 05 48 13-0071	EA	1-1/2" Diameter x 12" Flexible Hose Connection, Weld Ends	398.92	96.03
23 05 48 13-0072	EA	2" Diameter x 14" Flexible Hose Connection, Weld Ends	501.50	124.94
23 05 48 13-0073	EA	2-1/2" Diameter x 16" Flexible Hose Connection, Weld Ends	745.90	140.53
23 05 48 13-0074	EA	3" Diameter x 16" Flexible Hose Connection, Weld Ends	918.29	158.09
23 05 48 13-0075	EA	4" Diameter x 18" Flexible Hose Connection, Weld Ends	1,273.58	234.21
23 05 48 13-0076		**Flanged Flexible Hose Connectors** *(23 05 48 13)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0077		**Flanged Flexible Molded Rubber Hose Connectors** *(23 05 48 13-0076)*		
		Note: With helical wire reinforcement 150 PSI.		
23 05 48 13-0078	EA	1-1/2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	231.10	87.83
23 05 48 13-0079	EA	2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	250.08	97.55
23 05 48 13-0080	EA	2-1/2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	407.19	194.86
23 05 48 13-0081	EA	3" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	564.17	289.83
23 05 48 13-0082	EA	4" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	735.04	374.14
23 05 48 13-0083	EA	6" Diameter x 18" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	933.53	389.08
23 05 48 13-0084	EA	8" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	1,134.56	444.39
23 05 48 13-0085	EA	10" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	1,468.91	528.85
23 05 48 13-0086	EA	12" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	3,564.04	661.44
23 05 48 13-0087		**Flanged Flexible Corrugated Stainless Steel Hose Connectors** *(23 05 48 13-0076)*		
		Note: With braided metal wire.		
23 05 48 13-0088	EA	1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	180.05	79.86
23 05 48 13-0089	EA	1" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	175.18	109.85
23 05 48 13-0090	EA	1-1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	335.96	146.38
23 05 48 13-0091	EA	2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	436.31	219.56
23 05 48 13-0092	EA	2-1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	469.28	241.58
23 05 48 13-0093	EA	3" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	545.44	292.53
23 05 48 13-0094	EA	4" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	698.37	374.49
23 05 48 13-0095	EA	4" Diameter x 30" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,264.79	516.65
23 05 48 13-0096	EA	4" Diameter x 36" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,447.56	605.65
23 05 48 13-0097	EA	6" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	962.62	465.96
23 05 48 13-0098	EA	6" Diameter x 36" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,825.38	583.62
23 05 48 13-0099	EA	8" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,571.84	622.53
23 05 48 13-0100	EA	10" Diameter x 13" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,849.89	719.85
23 05 48 13-0101	EA	12" Diameter x 14" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	2,378.94	778.17
23 05 48 13-0102		**Flanged Flexible Molded Teflon Hose Connectors** *(23 05 48 13-0076)*		
		Note: 150 PSI.		
23 05 48 13-0103	EA	2-1/2" Diameter x 3-3/16" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	1,005.14	169.80
23 05 48 13-0104	EA	3" Diameter x 3-5/8" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	1,127.43	199.08
23 05 48 13-0105	EA	4" Diameter x 3-5/8" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	1,708.94	334.58
23 05 48 13-0106	EA	6" Diameter x 4" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	2,076.54	389.08
23 05 48 13-0107	EA	8" Diameter x 6" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	2,729.25	477.28
23 05 48 13-0108		**Flexible Hose Connectors Braided Metal Hose Type** *(23 05 48 13)*		
23 05 48 13-0109		**Braided Metal Hose Type Flexible Bronze Hose Connectors** *(23 05 48 13-0108)*		
		Note: MPT connection.		
23 05 48 13-0110	EA	1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	39.73	2.35
23 05 48 13-0111	EA	1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	47.49	2.35
23 05 48 13-0112	EA	1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	52.86	3.04
23 05 48 13-0113	EA	1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	64.29	3.04
23 05 48 13-0114	EA	3/4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	53.21	2.81
23 05 48 13-0115	EA	3/4" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	64.28	2.81
23 05 48 13-0116	EA	3/4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	73.55	3.62
23 05 48 13-0117	EA	3/4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	90.79	3.62
23 05 48 13-0118	EA	1" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	72.60	3.28
23 05 48 13-0119	EA	1" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	79.40	3.28
23 05 48 13-0120	EA	1" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	94.34	4.33
23 05 48 13-0121	EA	1" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	119.56	4.33
23 05 48 13-0122	EA	1" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	144.59	4.33
23 05 48 13-0123	EA	1" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	169.70	4.33
23 05 48 13-0124	EA	1-1/4" Or 1-1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	103.42	4.20
23 05 48 13-0125	EA	1-1/4" Or 1-1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	114.00	4.20
23 05 48 13-0126	EA	1-1/4" Or 1-1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	146.27	4.20
23 05 48 13-0127	EA	1-1/4" Or 1-1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	203.36	5.60
23 05 48 13-0128	EA	1-1/4" Or 1-1/2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	235.87	5.60
23 05 48 13-0129	EA	1-1/4" Or 1-1/2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	279.13	5.60
23 05 48 13-0130	EA	2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	141.56	5.07
23 05 48 13-0131	EA	2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	163.69	5.07
23 05 48 13-0132	EA	2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	206.54	5.07
23 05 48 13-0133	EA	2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	275.48	6.79
23 05 48 13-0134	EA	2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	340.78	6.79
23 05 48 13-0135	EA	2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	406.03	6.79
23 05 48 13-0136	EA	2-1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	196.59	6.36
23 05 48 13-0137	EA	2-1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	223.84	6.03
23 05 48 13-0138	EA	2-1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	251.37	6.03
23 05 48 13-0139	EA	2-1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	309.98	8.09
23 05 48 13-0140	EA	2-1/2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	365.33	8.09
23 05 48 13-0141	EA	2-1/2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	418.95	8.09
23 05 48 13-0142	EA	3" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	310.00	8.09
23 05 48 13-0143	EA	3" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	346.77	8.09

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0144	EA	3" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	1,121.15	8.09
23 05 48 13-0145	EA	3" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	1,349.39	10.78
23 05 48 13-0146	EA	3" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	537.01	10.78
23 05 48 13-0147	EA	3" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	609.36	10.78
23 05 48 13-0148	EA	4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	567.42	9.50
23 05 48 13-0149	EA	4" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	610.38	9.50
23 05 48 13-0150	EA	4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	653.34	9.50
23 05 48 13-0151	EA	4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	746.99	12.67
23 05 48 13-0152	EA	4" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	832.58	12.67
23 05 48 13-0153	EA	4" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	920.01	12.67

23 05 48 13-0154 Braided Stainless Steel Flexible Hose Connectors *(23 05 48 13-0108)*

Note: Over braided carbon steel connection.

23 05 48 13-0155	EA	2" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	168.70	5.15
23 05 48 13-0156	EA	2" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	203.85	5.15
23 05 48 13-0157	EA	2" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	238.34	5.15
23 05 48 13-0158	EA	2" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	311.97	6.90
23 05 48 13-0159	EA	2" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	381.88	6.90
23 05 48 13-0160	EA	2" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	451.71	6.90
23 05 48 13-0161	EA	2-1/2" Or 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	191.22	6.03
23 05 48 13-0162	EA	2-1/2" Or 3" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	227.95	6.03
23 05 48 13-0163	EA	2-1/2" Or 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	264.86	6.03
23 05 48 13-0164	EA	2-1/2" Or 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	343.12	8.09
23 05 48 13-0165	EA	2-1/2" Or 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	416.62	8.09
23 05 48 13-0166	EA	2-1/2" Or 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	489.11	8.09
23 05 48 13-0167	EA	4" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	202.89	8.09
23 05 48 13-0168	EA	4" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	244.97	8.30
23 05 48 13-0169	LF	4" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	287.66	8.09
23 05 48 13-0170	EA	4" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	380.96	10.78
23 05 48 13-0171	EA	4" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	465.86	10.78
23 05 48 13-0172	EA	4" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	553.18	10.78
23 05 48 13-0173	EA	6" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	409.20	15.79
23 05 48 13-0174	EA	6" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	603.83	15.90
23 05 48 13-0175	EA	6" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	809.79	20.94
23 05 48 13-0176	EA	6" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,004.50	20.94
23 05 48 13-0177	EA	6" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,199.15	20.94
23 05 48 13-0178	EA	8" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	709.87	19.31
23 05 48 13-0179	EA	8" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	857.12	19.31
23 05 48 13-0180	EA	8" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,162.02	25.09
23 05 48 13-0181	EA	8" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,454.14	25.09
23 05 48 13-0182	EA	8" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,746.17	25.09
23 05 48 13-0183	EA	10" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	760.48	24.13
23 05 48 13-0184	EA	10" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,128.62	24.13
23 05 48 13-0185	EA	10" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,511.67	31.42
23 05 48 13-0186	EA	10" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,881.10	31.42
23 05 48 13-0187	EA	10" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,248.96	31.42
23 05 48 13-0188	EA	12" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,508.48	29.17
23 05 48 13-0189	EA	12" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,967.91	29.17

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0190	EA	12" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,462.00	39.25
23 05 48 13-0191	EA	12" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,925.47	39.25
23 05 48 13-0192	EA	12" Diameter x 72" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	3,391.09	39.25
23 05 48 13-0193		Braided Metal Hose Type Flexible Bronze Hose Connectors *(23 05 48 13-0108)*		
		Note: Flanged end connection (carbon steel ends).		
23 05 48 13-0194	EA	2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	498.12	5.07
23 05 48 13-0195	EA	2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	876.86	143.68
23 05 48 13-0196	EA	2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,087.62	143.68
23 05 48 13-0197	EA	2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,298.38	143.68
23 05 48 13-0198	EA	2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,509.23	143.68
23 05 48 13-0199	EA	2-1/2" Or 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	781.14	183.25
23 05 48 13-0200	EA	2-1/2" Or 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,003.23	183.25
23 05 48 13-0201	EA	2-1/2" Or 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,225.41	183.25
23 05 48 13-0202	EA	2-1/2" Or 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,447.66	183.25
23 05 48 13-0203	EA	2-1/2" Or 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,666.03	183.25
23 05 48 13-0204	EA	4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,064.73	307.20
23 05 48 13-0205	EA	4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,323.96	307.97
23 05 48 13-0206	EA	4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,587.41	307.20
23 05 48 13-0207	EA	4" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,881.96	307.20
23 05 48 13-0208	EA	4" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,107.03	307.20
23 05 48 13-0209	EA	6" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,689.47	394.63
23 05 48 13-0210	EA	6" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,276.84	394.63
23 05 48 13-0211	EA	6" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,864.53	396.05
23 05 48 13-0212	EA	6" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	3,451.98	394.63
23 05 48 13-0213	EA	6" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	4,039.35	394.63
23 05 48 13-0214	EA	8" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,881.41	493.34
23 05 48 13-0215	EA	8" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	3,325.76	493.34
23 05 48 13-0216	EA	8" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	4,206.77	493.34
23 05 48 13-0217	EA	8" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	5,088.11	493.34
23 05 48 13-0218	EA	8" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	5,969.03	493.34
23 05 48 13-0219	EA	10" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	4,793.89	600.58
23 05 48 13-0220	EA	10" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	5,900.96	600.58
23 05 48 13-0221	EA	10" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	7,015.48	600.58
23 05 48 13-0222	EA	10" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	8,127.59	600.58
23 05 48 13-0223	EA	10" Diameter x 72" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	9,026.38	600.58
23 05 48 13-0224	EA	12" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	6,542.03	729.28
23 05 48 13-0225	EA	12" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	7,946.88	729.28
23 05 48 13-0226	EA	12" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	9,351.64	729.28
23 05 48 13-0227	EA	12" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	10,756.41	729.28
23 05 48 13-0228	EA	12" Diameter x 72" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	12,161.26	729.28

23 05 53 Identification for HVAC Piping and Equipment *(23 05)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 53 00-0001		Systems Identification *(23 05 53)*		
23 05 53 00-0002		Pipe Marker Snap-On Type Plastic *(23 05 53 00-0001)*		
		Note: Outside diameters of insulation where necessary.		
23 05 53 00-0003	EA	1/2" Outside Diameter Snap-On Plastic Marker	19.75	
23 05 53 00-0004	EA	3/4" Outside Diameter Snap-On Plastic Marker	20.05	
23 05 53 00-0005	EA	1" Outside Diameter Snap-On Plastic Marker	20.20	
23 05 53 00-0006	EA	1-1/4" Outside Diameter Snap-On Plastic Marker	20.51	
23 05 53 00-0007	EA	1-1/2" Outside Diameter Snap-On Plastic Marker	23.77	
23 05 53 00-0008	EA	2" Outside Diameter Snap-On Plastic Marker	24.30	
23 05 53 00-0009	EA	2-1/2" Outside Diameter Snap-On Plastic Marker	38.36	
23 05 53 00-0010	EA	3" Outside Diameter Snap-On Plastic Marker	38.78	
23 05 53 00-0011	EA	3-1/2" Outside Diameter Snap-On Plastic Marker	39.23	
23 05 53 00-0012	EA	4" Outside Diameter Snap-On Plastic Marker	39.46	
23 05 53 00-0013	EA	4-1/2" Outside Diameter Snap-On Plastic Marker	39.71	
23 05 53 00-0014	EA	5" Outside Diameter Snap-On Plastic Marker	39.97	
23 05 53 00-0015	EA	6" Outside Diameter Snap-On Plastic Marker	41.86	
23 05 53 00-0016	EA	7" Outside Diameter Snap-On Plastic Marker	42.14	
23 05 53 00-0017	EA	8" Outside Diameter Snap-On Plastic Marker	51.79	
23 05 53 00-0018	EA	10" Outside Diameter Snap-On Plastic Marker	53.59	
23 05 53 00-0019	EA	12" Outside Diameter Snap-On Plastic Marker	61.76	
23 05 53 00-0020	EA	14" Outside Diameter Snap-On Plastic Marker	70.82	
23 05 53 00-0021		Pipe Markers Pressure-Sensitive *(23 05 53 00-0001)*		
		Note: Outside diameter includes insulation where necessary.		
23 05 53 00-0022	EA	1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	13.66	
23 05 53 00-0023	EA	3/4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	14.24	
23 05 53 00-0024	EA	1" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	15.42	
23 05 53 00-0025	EA	1-1/4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	15.65	
23 05 53 00-0026	EA	1-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	16.74	
23 05 53 00-0027	EA	2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	17.09	
23 05 53 00-0028	EA	2-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	19.34	
23 05 53 00-0029	EA	3" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	19.80	
23 05 53 00-0030	EA	3-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	20.15	
23 05 53 00-0031	EA	4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	20.51	
23 05 53 00-0032	EA	4-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	21.24	
23 05 53 00-0033	EA	5" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	22.03	
23 05 53 00-0034	EA	6" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	22.72	
23 05 53 00-0035	EA	7" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	23.40	
23 05 53 00-0036	EA	8" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	25.89	
23 05 53 00-0037	EA	10" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	27.18	
23 05 53 00-0038	EA	12" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	31.79	
23 05 53 00-0039		Valve Identification Tag *(23 05 53 00-0001)*		
		Note: Includes beaded chain and/or "S" hook.		
23 05 53 00-0040	EA	2" Diameter Identification Tag, Brass	12.28	
23 05 53 00-0041	EA	1-1/2" Diameter Identification Tag, Plastic	11.51	
23 05 53 00-0042	EA	1-1/2" Diameter Identification Tag, Brass	11.27	

23 05 66 Anti-Microbial Ultraviolet Emitters for HVAC Ducts and Equipment *(23 05)*

23 05 66 00-0001		Double Ended Ultraviolet HVAC Microbial Control Fixtures *(23 05 66)*		
23 05 66 00-0002	EA	18" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-181-VO) Note: Includes tube.	1,040.95	84.09
23 05 66 00-0003	EA	24" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-241-VO) Note: Includes tube.	1,086.63	88.25
23 05 66 00-0004	EA	30" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-301-VO) Note: Includes tube.	1,089.41	92.03
23 05 66 00-0005	EA	36" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-361-VO) Note: Includes tube.	1,140.31	96.70
23 05 66 00-0006	EA	42" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-421-VO) Note: Includes tube.	1,234.23	100.85
23 05 66 00-0007	EA	62" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-621-VO) Note: Includes tube.	1,161.37	104.00
23 05 66 00-0008		Single Ended Ultraviolet HVAC Microbial Control Fixtures *(23 05 66)*		
23 05 66 00-0009	EA	12" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-121-VO) Note: Includes tube.	870.49	58.24
23 05 66 00-0010	EA	16" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-161-VO) Note: Includes tube.	882.04	63.03
23 05 66 00-0011	EA	20" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-201-VO) Note: Includes tube.	904.09	66.81
23 05 66 00-0012	EA	24" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-241-VO) Note: Includes tube.	914.90	71.86
23 05 66 00-0013	EA	30" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-301-VO) Note: Includes tube.	937.70	75.64

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 66 00-0014	EA	36" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-361-VO) Note: Includes tube.	954.50	79.42
23 05 66 00-0015	EA	42" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-421-VO) Note: Includes tube.	976.56	84.47
23 05 66 00-0016	EA	12" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-121-VO) Note: Includes tube.	992.77	58.24
23 05 66 00-0017	EA	16" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-161-VO) Note: Includes tube.	1,004.32	63.03
23 05 66 00-0018	EA	20" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-201-VO) Note: Includes tube.	1,026.37	66.81
23 05 66 00-0019	EA	24" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-241-VO) Note: Includes tube.	1,037.18	71.86
23 05 66 00-0020	EA	30" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-301-VO) Note: Includes tube.	1,059.98	75.64
23 05 66 00-0021	EA	36" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-361-VO) Note: Includes tube.	1,076.78	79.42
23 05 66 00-0022	EA	42" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-421-VO) Note: Includes tube.	1,098.84	84.47
23 05 66 00-0023	EA	16" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-161-VO) Note: Includes tube.	690.63	63.03
23 05 66 00-0024	EA	20" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-201-VO) Note: Includes tube.	712.68	66.81
23 05 66 00-0025	EA	24" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-241-VO) Note: Includes tube.	723.49	71.86
23 05 66 00-0026	EA	30" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-301-VO) Note: Includes tube.	746.29	75.64
23 05 66 00-0027	EA	36" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-361-VO) Note: Includes tube.	763.09	79.42
23 05 66 00-0028	EA	42" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-421-VO) Note: Includes tube.	785.15	84.47

23 05 66 00-0029 Fan Coil Unit Ultraviolet Microbial Control Fixtures *(23 05 66)*

23 05 66 00-0030	EA	16" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	639.01	80.68
23 05 66 00-0031	EA	20" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	652.92	84.47
23 05 66 00-0032	EA	24" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	666.81	88.25
23 05 66 00-0033	EA	30" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	685.63	92.03
23 05 66 00-0034	EA	36" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	710.08	96.70
23 05 66 00-0035	EA	42" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	731.57	100.85

23 05 66 00-0036 Ultraviolet HVAC Microbial Control Replacement Parts *(23 05 66)*

23 05 66 00-0037	EA	18" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-16-VO)	168.93	
23 05 66 00-0038	EA	24" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-22-VO)	177.64	
23 05 66 00-0039	EA	30" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-28-VO)	202.11	
23 05 66 00-0040	EA	36" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-34-VO)	233.61	
23 05 66 00-0041	EA	42" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-40-VO)	265.81	
23 05 66 00-0042	EA	62" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-60-VO)	269.16	
23 05 66 00-0043	EA	12" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-12-VO)	122.24	
23 05 66 00-0044	EA	16" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-16-VO)	128.74	
23 05 66 00-0045	EA	20" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-20-VO)	145.75	
23 05 66 00-0046	EA	24" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-24-VO)	151.52	
23 05 66 00-0047	EA	30" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-30-VO)	169.28	
23 05 66 00-0048	EA	36" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-36-VO)	181.04	
23 05 66 00-0049	EA	42" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-42-VO)	198.05	
23 05 66 00-0050	EA	Removal And Replacement Of Power Supply For Ultraviolet Microbial Control Fixture (Steril-Aire)	496.21	

23 05 66 00-0051 Ultraviolet HVAC Microbial Control Mounting Accessories *(23 05 66)*

23 05 66 00-0052	EA	Two Spring Clip, 61" Emitter Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 11006610) Note: Includes 61" emitter, power supply, wires and connectors.	717.83	
23 05 66 00-0053	EA	Two Spring Clip, 61" Sleeved Emitter Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 11006620) Note: Includes 61" emitter, power supply, wires and connectors.	920.94	
23 05 66 00-0054	EA	Two Spring Clip, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-1) Note: Includes power supply, wires and connectors. Excludes emitter.	415.11	
23 05 66 00-0055	EA	Two Short Hook Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-2) Note: Includes power supply, wires and connectors. Excludes emitter.	439.98	
23 05 66 00-0056	EA	Flat Plate For Metal, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-3) Note: Includes power supply, wires and connectors. Excludes emitter.	572.47	
23 05 66 00-0057	EA	Flat Plate For Plastic, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-4) Note: Includes power supply, wires and connectors. Excludes emitter.	354.12	
23 05 66 00-0058	EA	Insert Lamp Holder, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-5) Note: Includes power supply, wires and connectors. Excludes emitter.	384.71	
23 05 66 00-0059	EA	16" U-Bracket, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-6) Note: Includes power supply, wires and connectors. Excludes emitter.	499.69	
23 05 66 00-0060	EA	12" U-Bracket, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-7) Note: Includes power supply, wires and connectors. Excludes emitter.	492.63	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 66 00-0061	LF	30 x 30 mm Framing Structure For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000101)	18.51	
23 05 66 00-0062	EA	Vertical Support Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000111)	62.18	
23 05 66 00-0063	EA	Joint Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000112)	21.12	
23 05 66 00-0064	EA	Emitter Mounting Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000113)	19.89	
23 05 66 00-0065	EA	Foundation Bracket FB 8WA For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000104)	57.14	
23 05 66 00-0066	EA	Slider Assembly Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000114)	69.19	
23 05 66 00-0067	EA	Splice Kit For Horizontal Rows For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000108)	61.34	
23 05 66 00-0068	EA	Gusset Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000115)	49.58	
23 05 66 00-0069	EA	ISO "A" Bracket Hanger For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000109)	46.78	
23 05 66 00-0070	EA	DE Boot Kit UV Resistant For 1 DE Fixture For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000223)	24.82	
23 05 66 00-0071	EA	DE Wiring Kit For Up To 65" (DE Bank Install) For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000603)	52.72	
23 05 66 00-0072	EA	Cleaning Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000100)	24.93	
23 05 66 00-0073	EA	480 To 220 Volt AC / 180 VA Step-Down Transformer For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000503)	100.61	
23 05 66 00-0074	EA	Interlock Switch (16 Amps At 125 Volt, 10 Amperes At 250 Volt Maximum Ampacity) For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000120)	105.87	

23 05 66 00-0075 Ultraviolet Duct Disinfection Unit (eLEDLights) *(23 05 66)*

23 05 66 00-0076	EA	Two 12" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V12-P1)	1,474.22	116.61
23 05 66 00-0077	EA	Two 18" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V18-P1)	1,649.43	122.91
23 05 66 00-0078	EA	Two 24" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V24-P1)	1,711.14	132.37
23 05 66 00-0079	EA	Two 30" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V30-P1)	1,789.95	141.82
23 05 66 00-0080	EA	Two 36" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V36-P1)	1,843.10	151.28
23 05 66 00-0081	EA	Two 48" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V48-P1)	2,223.73	157.58
23 05 66 00-0082	EA	Four 18" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD4L120V18-P1)	2,229.70	122.91
23 05 66 00-0083	EA	Four 24" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD4L120V24-P1)	2,317.08	132.37
23 05 66 00-0084	EA	Four 30" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD4L120V30-P1)	2,678.33	141.82
23 05 66 00-0085	EA	Four 36" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD4L120V36-P1)	2,782.83	151.28

23 05 66 00-0086 Ultraviolet Germicidal Airborne Duct System (Fresh-Aire UV) *(23 05 66)*

Note: Includes 2 Year Warranty

23 05 66 00-0087	EA	Two 18" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-218D-HO)	1,371.77	122.91
23 05 66 00-0088	EA	Four 18" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-218Q-HO)	2,370.06	122.91
23 05 66 00-0089	EA	Six 18" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-218H-HO)	3,369.70	122.91
23 05 66 00-0090	EA	Two 24" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-224D-HO)	1,406.80	132.37
23 05 66 00-0091	EA	Four 24" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-224Q-HO)	2,418.53	132.37
23 05 66 00-0092	EA	Six 24" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-224H-HO)	3,431.61	132.37
23 05 66 00-0093	EA	Two 32" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-232D-HO)	1,439.15	141.82
23 05 66 00-0094	EA	Four 32" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-232Q-HO)	2,467.00	141.82
23 05 66 00-0095	EA	Six 32" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-232H-HO)	3,493.51	141.82
23 05 66 00-0096	EA	Two 46" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-246D-HO)	1,592.93	157.58
23 05 66 00-0097	EA	Four 46" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-246Q-HO)	2,718.87	157.58
23 05 66 00-0098	EA	Six 46" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-246H-HO)	3,844.81	157.58
23 05 66 00-0099	EA	Two 60" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-260D-HO)	1,870.33	173.34
23 05 66 00-0100	EA	Four 60" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-260Q-HO)	3,243.49	173.34
23 05 66 00-0101	EA	Six 60" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-260H-HO)	4,615.31	173.34

23 05 93 Testing, Adjusting, and Balancing for HVAC *(23 05)*

Note: Includes all necessary testing, startup, and checkout. Use these tasks for testing, startup, and checkout of existing systems or for third party testing and report when required.

23 05 93 00-0001 Heating And Ventilating Equipment *(23 05 93)*

23 05 93 00-0002	EA	Balancing Centrifugal Fans	510.45
		For Testing Of Unit Without Balancing, Deduct	*-255.23*
23 05 93 00-0003	EA	Balancing Heating And Ventilating Units	637.81
		For Testing Of Unit Without Balancing, Deduct	*-318.91*
23 05 93 00-0004	EA	Balancing In Line Fan	574.25
		For Testing Of Unit Without Balancing, Deduct	*-287.13*
23 05 93 00-0005	EA	Balancing Propeller And Wall Fan	127.61
		For Testing Of Unit Without Balancing, Deduct	*-63.81*
23 05 93 00-0006	EA	Balancing Roof Exhaust Fan	382.81
		For Testing Of Unit Without Balancing, Deduct	*-191.41*
23 05 93 00-0007	EA	Balancing Wall Fan	95.69
		For Testing Of Unit Without Balancing, Deduct	*-47.85*
23 05 93 00-0008	EA	Balancing Fan Section Exhaust	509.63
		For Testing Of Unit Without Balancing, Deduct	*-254.82*

23 05 93 00-0009 Air Conditioning Equipment *(23 05 93)*

23 05 93 00-0010	EA	Balancing Constant Volume Air Handling Unit	862.79
		For Testing Of Unit Without Balancing, Deduct	*-431.40*
23 05 93 00-0011	EA	Balancing Package A/C Unit	323.55
		For Testing Of Unit Without Balancing, Deduct	*-161.78*
23 05 93 00-0012	EA	Balancing Rooftop Heat And Cool Unit	431.40
		For Testing Of Unit Without Balancing, Deduct	*-215.70*
23 05 93 00-0013	EA	Balancing Variable Volume Air Handling Unit	1,509.88
		For Testing Of Unit Without Balancing, Deduct	*-754.94*

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LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 93 00-0014		**Registers, Diffusers, Terminal Air Units And Dampers** *(23 05 93)*		
23 05 93 00-0015	EA	Balancing HVAC Duct System, Ceiling Height To 12' Supply, Return, Exhaust, Register And Diffuser	95.71	
		For Testing Of Unit Without Balancing, Deduct	*-47.86*	
23 05 93 00-0016	EA	Balancing HVAC Duct System, Ceiling Height >12' Supply, Return, Exhaust, Register And Diffuser	159.52	
		For Testing Of Unit Without Balancing, Deduct	*-79.76*	
23 05 93 00-0017	EA	Balancing HVAC Duct System, Floor Height Supply, Return, Exhaust, Register And Diffuser	82.94	
		For Testing Of Unit Without Balancing, Deduct	*-41.47*	
23 05 93 00-0018	EA	Balance Variable Air Volume Box	89.87	
		For Testing Of Unit Without Balancing, Deduct	*-44.94*	
23 05 93 00-0019	EA	Balance Constant Volume Box	89.87	
		For Testing Of Unit Without Balancing, Deduct	*-44.94*	
23 05 93 00-0020	EA	Balance Fan Powered Box	102.09	
		For Testing Of Unit Without Balancing, Deduct	*-51.05*	
23 05 93 00-0021	EA	Balance Lab Fume Hood	414.75	
		For Testing Of Unit Without Balancing, Deduct	*-207.38*	
23 05 93 00-0022	EA	Balance General Hood	319.03	
		For Testing Of Unit Without Balancing, Deduct	*-159.52*	
23 05 93 00-0023	EA	Balance Induction Unit	191.43	
		For Testing Of Unit Without Balancing, Deduct	*-95.72*	
23 05 93 00-0024	EA	Balance Moduline - Master	76.55	
		For Testing Of Unit Without Balancing, Deduct	*-38.28*	
23 05 93 00-0025	EA	Balance Moduline - Slave	38.28	
		For Testing Of Unit Without Balancing, Deduct	*-19.14*	
23 05 93 00-0026	EA	Balance Dampers	35.55	
		For Testing Of Unit Without Balancing, Deduct	*-17.78*	
23 05 93 00-0027	EA	Balance Regenerators	509.63	
		For Testing Of Unit Without Balancing, Deduct	*-254.82*	
23 05 93 00-0028	EA	Duct Traversing for Average Air Velocity and Air Volume, Ceiling Height To 12' Note: Includes drilling holes and patching after testing.	95.71	
23 05 93 00-0029	EA	Duct Traversing for Average Air Velocity and Air Volume, Ceiling Height >12' Note: Includes drilling holes and patching after testing.	159.52	
23 05 93 00-0030		**Water Balancing Of Components** *(23 05 93)*		
23 05 93 00-0031	EA	Water Balance, Air-Cool Condenser	593.23	
		For Testing Of Unit Without Balancing, Deduct	*-296.62*	
23 05 93 00-0032	EA	Water Balance, Cabinet Heater	75.50	
		For Testing Of Unit Without Balancing, Deduct	*-37.75*	
23 05 93 00-0033	EA	Water Balance, Chiller, Air-Cooled	647.04	
		For Testing Of Unit Without Balancing, Deduct	*-323.52*	
23 05 93 00-0034	EA	Water Balance, Chiller, Water Cooled	862.79	
		For Testing Of Unit Without Balancing, Deduct	*-431.40*	
23 05 93 00-0035	EA	Water Balance, Cooling Tower	431.40	
		For Testing Of Unit Without Balancing, Deduct	*-215.70*	
23 05 93 00-0036	EA	Water Balance, Fan Coil And Vent	107.91	
		For Testing Of Unit Without Balancing, Deduct	*-53.96*	
23 05 93 00-0037	EA	Water Balance, Fin Tube And Radiant Panel	107.85	
		For Testing Of Unit Without Balancing, Deduct	*-53.93*	
23 05 93 00-0038	EA	Water Balance, Main And Duct Re-Heat Coil	118.63	
		For Testing Of Unit Without Balancing, Deduct	*-59.32*	
23 05 93 00-0039	EA	Water Balance, Pumps	323.56	
		For Testing Of Unit Without Balancing, Deduct	*-161.78*	
23 05 93 00-0040	EA	Water Balance, Unit Heater	75.50	
		For Testing Of Unit Without Balancing, Deduct	*-37.75*	
23 05 93 00-0041	EA	Water Balancing, Converter	323.68	
		For Testing Of Unit Without Balancing, Deduct	*-161.84*	
23 05 93 00-0042	EA	Water Balancing, Cocks And Valves	53.91	
		For Testing Of Unit Without Balancing, Deduct	*-26.96*	
23 05 93 00-0043	EA	Water Balance, Convector	64.70	
		For Testing Of Unit Without Balancing, Deduct	*-32.35*	
23 05 93 00-0044	EA	Water Balancing, Backflow Preventer Or Reduced Pressure Zone Valves	80.89	
		For Testing Of Unit Without Balancing, Deduct	*-40.45*	
23 05 93 00-0045	EA	Water Balance, Boiler, Up To 500 MBH	701.02	
		For Testing Of Unit Without Balancing, Deduct	*-350.51*	
23 05 93 00-0046	EA	>500 To 1,000 MBH, Water Balance, Boiler	1,294.20	
		For Testing Of Unit Without Balancing, Deduct	*-647.10*	
23 05 93 00-0047	EA	>1,000 MBH, Water Balance, Boiler	2,372.68	
		For Testing Of Unit Without Balancing, Deduct	*-1,186.34*	
23 05 93 00-0048		**Non-Destructive Testing** *(23 05 93)*		
23 05 93 00-0049		**X-Ray Welds, Non-Destructive Testing** *(23 05 93 00-0048)*		
23 05 93 00-0050		**Minimum Charge For X-Ray Welds** *(23 05 93 00-0049)*		
23 05 93 00-0051	EA	X-Ray Welds Minimum Set-Up Charge Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	889.98	
23 05 93 00-0052		**Piping, X-Ray Welds, Non-Destructive Testing** *(23 05 93 00-0049)*		
23 05 93 00-0053	EA	Up To 3/4" Piping, X-Ray Welds, Non-Destructive Testing	90.06	
23 05 93 00-0054	EA	1" Piping, X-Ray Welds, Non-Destructive Testing	102.43	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 93 00-0055	EA	1-1/4" - 1-1/2" Piping, X-Ray Welds, Non-Destructive Testing	114.81	
23 05 93 00-0056	EA	2" Piping, X-Ray Welds, Non-Destructive Testing	121.35	
23 05 93 00-0057	EA	3" Piping, X-Ray Welds, Non-Destructive Testing	127.87	
23 05 93 00-0058	EA	4" Piping, X-Ray Welds, Non-Destructive Testing	135.08	
23 05 93 00-0059	EA	6" Piping, X-Ray Welds, Non-Destructive Testing	148.12	
23 05 93 00-0060	EA	8" Piping, X-Ray Welds, Non-Destructive Testing	161.19	
23 05 93 00-0061	EA	10" Piping, X-Ray Welds, Non-Destructive Testing	168.38	
23 05 93 00-0062	EA	12" Piping, X-Ray Welds, Non-Destructive Testing	177.58	
23 05 93 00-0063		Liquid Penetration Of Welds, Non-Destructive Testing *(23 05 93 00-0048)*		
23 05 93 00-0064		Piping, Liquid Penetration Of Welds, Non-Destructive Testing *(23 05 93 00-0063)*		
23 05 93 00-0065	EA	Up To 3/4" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	76.70	
23 05 93 00-0066	EA	1" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	82.56	
23 05 93 00-0067	EA	1-1/4" - 1-1/2" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	88.41	
23 05 93 00-0068	EA	2" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	91.33	
23 05 93 00-0069	EA	3" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	95.73	
23 05 93 00-0070	EA	4" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	100.12	
23 05 93 00-0071	EA	6" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	108.90	
23 05 93 00-0072	EA	8" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	117.68	
23 05 93 00-0073	EA	10" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	126.47	
23 05 93 00-0074	EA	12" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	135.25	
23 05 93 00-0075		Hydrostatic Testing *(23 05 93 00-0048)* Note: Includes flushing and restoring of system.		
23 05 93 00-0076		Piping, Hydrostatic Testing *(23 05 93 00-0075)*		
23 05 93 00-0077	EA	Up To 100', Up To 1-1/2" Piping, Hydrostatic Testing	770.41	
23 05 93 00-0078	EA	>100' To 250', Up To 1-1/2" Piping, Hydrostatic Testing	1,100.58	
23 05 93 00-0079	EA	>250' To 500', Up To 1-1/2" Piping, Hydrostatic Testing	1,318.71	
23 05 93 00-0080	EA	>500' To 1,000', Up To 1-1/2" Piping, Hydrostatic Testing	1,756.54	
23 05 93 00-0081	EA	>1,000' To 2,000', Up To 1-1/2" Piping, Hydrostatic Testing	2,661.41	
23 05 93 00-0082	EA	Up To 100', >1-1/2" To 4" Piping, Hydrostatic Testing	1,024.34	
23 05 93 00-0083	EA	>100' To 250', >1-1/2" To 4" Piping, Hydrostatic Testing	1,463.77	
23 05 93 00-0084	EA	>250' To 500', >1-1/2" To 4" Piping, Hydrostatic Testing	1,742.59	
23 05 93 00-0085	EA	>500' To 1,000', >1-1/2" To 4" Piping, Hydrostatic Testing	2,283.47	
23 05 93 00-0086	EA	>1,000' To 2,000', >1-1/2" To 4" Piping, Hydrostatic Testing	3,454.50	
23 05 93 00-0087	EA	Up To 100', >4" To 10" Piping, Hydrostatic Testing	1,334.96	
23 05 93 00-0088	EA	>100' To 250', >4" To 10" Piping, Hydrostatic Testing	1,902.91	
23 05 93 00-0089	EA	>250' To 500', >4" To 10" Piping, Hydrostatic Testing	2,007.66	
23 05 93 00-0090	EA	>500' To 1,000', >4" To 10" Piping, Hydrostatic Testing	2,630.20	
23 05 93 00-0091	EA	>1,000' To 2,000', >4" To 10" Piping, Hydrostatic Testing	3,979.00	
23 05 93 00-0092	EA	Up To 100', >10" To 14" Piping, Hydrostatic Testing	1,733.12	
23 05 93 00-0093	EA	>100' To 250', >10" To 14" Piping, Hydrostatic Testing	2,470.85	
23 05 93 00-0094	EA	>250' To 500', >10" To 14" Piping, Hydrostatic Testing	2,610.48	
23 05 93 00-0095	EA	>500' To 1,000', >10" To 14" Piping, Hydrostatic Testing	3,423.92	
23 05 93 00-0096	EA	>1,000' To 2,000', >10" To 14" Piping, Hydrostatic Testing	5,187.76	
23 05 93 00-0097		Pneumatic Testing *(23 05 93 00-0048)* Note: Includes soaping joints flushing and restoring of system. Can be used for gas or smoke test.		
23 05 93 00-0098		Piping, Pneumatic Testing With Inert Gas *(23 05 93 00-0097)*		
23 05 93 00-0099	EA	Up To 100', Up To 1-1/2" Piping, Pneumatic Testing Note: Includes soaping joints.	875.46	
23 05 93 00-0100	EA	>100' To 250', Up To 1-1/2" Piping, Pneumatic Testing Note: Includes soaping joints.	1,249.55	
23 05 93 00-0101	EA	>250' To 500', Up To 1-1/2" Piping, Pneumatic Testing Note: Includes soaping joints.	1,349.28	
23 05 93 00-0102	EA	>500' To 1,000', Up To 1-1/2" Piping, Pneumatic Testing Note: Includes soaping joints.	1,727.39	
23 05 93 00-0103	EA	>1,000' To 2,000', Up To 1-1/2" Piping, Pneumatic Testing Note: Includes soaping joints.	2,700.93	
23 05 93 00-0104	EA	Up To 100', >1-1/2" To 4" Piping, Pneumatic Testing Note: Includes soaping joints.	1,142.40	
23 05 93 00-0105	EA	>100' To 250', >1-1/2" To 4" Piping, Pneumatic Testing Note: Includes soaping joints.	1,622.59	
23 05 93 00-0106	EA	>250' To 500', >1-1/2" To 4" Piping, Pneumatic Testing Note: Includes soaping joints.	1,754.01	
23 05 93 00-0107	EA	>500' To 1,000', >1-1/2" To 4" Piping, Pneumatic Testing Note: Includes soaping joints.	2,246.19	
23 05 93 00-0108	EA	>1,000' To 2,000', >1-1/2" To 4" Piping, Pneumatic Testing Note: Includes soaping joints.	3,510.95	
23 05 93 00-0109	EA	Up To 100', >4" To 10" Piping, Pneumatic Testing Note: Includes soaping joints.	1,375.85	
23 05 93 00-0110	EA	>100' To 250', >4" To 10" Piping, Pneumatic Testing Note: Includes soaping joints.	1,942.16	
23 05 93 00-0111	EA	>250' To 500', >4" To 10" Piping, Pneumatic Testing Note: Includes soaping joints.	2,196.17	
23 05 93 00-0112	EA	>500' To 1,000', >4" To 10" Piping, Pneumatic Testing Note: Includes soaping joints.	2,804.88	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 93 00-0113	EA	>1,000' To 2,000', >4" To 10" Piping, Pneumatic Testing Note: Includes soaping joints.	4,390.67	
23 05 93 00-0114	EA	Up To 100', >10" To 14" Piping, Pneumatic Testing Note: Includes soaping joints.	1,791.39	
23 05 93 00-0115	EA	>100' To 250', >10" To 14" Piping, Pneumatic Testing Note: Includes soaping joints.	2,524.89	
23 05 93 00-0116	EA	>250' To 500', >10" To 14" Piping, Pneumatic Testing Note: Includes soaping joints.	2,855.71	
23 05 93 00-0117	EA	>500' To 1,000', >10" To 14" Piping, Pneumatic Testing Note: Includes soaping joints.	3,646.72	
23 05 93 00-0118	EA	>1,000' To 2,000', >10" To 14" Piping, Pneumatic Testing Note: Includes soaping joints.	5,716.37	

23 05 93 00-0119 EPA Testing Of Sludge *(23 05 93)*

23 05 93 00-0120	EA	Flashpoint And Lead Test For Lead	1,052.54	
23 05 93 00-0121	EA	Air Test/Combustion Gas Level	101.64	
23 05 93 00-0122	EA	Toxicity Test For Heavy Metals	1,616.29	
23 05 93 00-0123	EA	Aboveground Tank Water Settlement Test Including Water	1,225.42	

23 07 HVAC Insulation *(23)*

23 07 13 Duct Insulation *(23 07)*

Note: Based on SF surface area of duct to receive insulation.

23 07 13 00-0001 FSK Fiber Glass Duct Wrap Insulation *(23 07 13)*

Note: Foil-scrim kraft (FSK) facing lapped and joints sealed vapor tight. See CSI section 23 33 53 00-0000 for internal duct insulation.

23 07 13 00-0002 Type 75, 0.75 Lb./CF, FSK Fiber Glass Duct Wrap Insulation *(23 07 13 00-0001)*

23 07 13 00-0003	SF	1" Thick, Type 75, 0.75 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	4.09	2.30
		For Plain Blanket, With No Facing, Deduct	*-0.41*	
		For Work In Restricted Working Space, Add	*0.92*	
23 07 13 00-0004	SF	1-1/2" Thick, Type 75, 0.75 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	4.76	2.30
		For Plain Blanket, With No Facing, Deduct	*-0.47*	
		For Work In Restricted Working Space, Add	*1.07*	
23 07 13 00-0005	SF	2" Thick, Type 75, 0.75 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	5.39	3.44
		For Plain Blanket, With No Facing, Deduct	*-0.52*	
		For Work In Restricted Working Space, Add	*1.23*	
23 07 13 00-0006	SF	3" Thick, Type 75, 0.75 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	6.39	4.02
		For Plain Blanket, With No Facing, Deduct	*-0.64*	
		For Work In Restricted Working Space, Add	*1.44*	
23 07 13 00-0007	SF	4" Thick, Type 75, 0.75 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	7.69	4.36
		For Plain Blanket, With No Facing, Deduct	*-1.01*	
		For Work In Restricted Working Space, Add	*1.55*	

23 07 13 00-0008 Type 100, 1.0 Lb./CF, FSK Fiber Glass Duct Wrap Insulation *(23 07 13 00-0001)*

23 07 13 00-0009	SF	1" Thick, Type 100, 1.0 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	5.01	3.44
		For Plain Blanket, With No Facing, Deduct	*-0.47*	
		For Work In Restricted Working Space, Add	*1.15*	
23 07 13 00-0010	SF	1-1/2" Thick, Type 100, 1.0 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	5.85	4.02
		For Plain Blanket, With No Facing, Deduct	*-0.58*	
		For Work In Restricted Working Space, Add	*1.32*	
23 07 13 00-0011	SF	2" Thick, Type 100, 1.0 Lb./CF, Fiber Glass FSK Duct Wrap Insulation	6.92	4.59
		For Plain Blanket, With No Facing, Deduct	*-0.68*	
		For Work In Restricted Working Space, Add	*1.57*	

23 07 13 00-0012 Type 150, 1.5 Lb./CF, FSK Fiber Glass Duct Wrap Insulation *(23 07 13 00-0001)*

23 07 13 00-0013	SF	1" Thick, Type 150, 1.5 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	6.62	4.59
		For Plain Blanket, With No Facing, Deduct	*-0.80*	
		For Work In Restricted Working Space, Add	*1.38*	
23 07 13 00-0014	SF	1-1/2" Thick, Type 150, 1.5 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	8.76	5.17
		For Plain Blanket, With No Facing, Deduct	*-1.40*	
		For Work In Restricted Working Space, Add	*1.58*	
23 07 13 00-0015	SF	2" Thick, Type 150, 1.5 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	10.24	5.74
		For Plain Blanket, With No Facing, Deduct	*-1.65*	
		For Work In Restricted Working Space, Add	*1.84*	

23 07 13 00-0016 3 Lb./CF, FSK Rigid Fiber Glass Board Insulation *(23 07 13)*

Note: Foil-scrim kraft (FSK) facing, sealed vapor tight and attached to ducts with mechanical fasteners.

23 07 13 00-0017	SF	1" Thick, 3 Lb./CF, FSK Rigid Fiber Glass Board Insulation	10.89	6.26
		For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add	*24.95*	
		For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add	*18.53*	
		For Non-Metallic Weatherproof Paste, 2 Lb., Add	*15.27*	
		For Work In Restricted Working Space, Add	*3.06*	
23 07 13 00-0018	SF	1-1/2" Thick, 3 Lb./CF, FSK Rigid Fiber Glass Board Insulation	14.02	7.61
		For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add	*30.89*	
		For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add	*23.32*	
		For Non-Metallic Weatherproof Paste, 2 Lb., Add	*19.11*	
		For Work In Restricted Working Space, Add	*3.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 13 00-0019	SF	2" Thick, 3 Lb./CF, FSK Rigid Fiber Glass Board Insulation	17.51	9.19
		For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add	*37.69*	
		For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add	*28.73*	
		For Non-Metallic Weatherproof Paste, 2 Lb., Add	*23.48*	
		For Work In Restricted Working Space, Add	*4.49*	
23 07 13 00-0020		**4.253 Lb./CF, FSK Rigid Fiber Glass Board Insulation** *(23 07 13)*		
		Note: Foil-scrim kraft (FSK) facing, sealed vapor tight and attached to ducts with mechanical fastener.		
23 07 13 00-0021	SF	1" Thick, 4.253 Lb./CF, FSK Rigid Fiber Glass Board Insulation	12.23	6.89
		For Work In Restricted Working Space, Add	*3.36*	
23 07 13 00-0022	SF	1-1/2" Thick, 4.253 Lb./CF, FSK Rigid Fiber Glass Board Insulation	15.94	8.38
		For Work In Restricted Working Space, Add	*4.09*	
23 07 13 00-0023	SF	2" Thick, 4.253 Lb./CF, FSK Rigid Fiber Glass Board Insulation	20.49	10.12
		For Work In Restricted Working Space, Add	*4.94*	
23 07 13 00-0024		**Sheet Flexible Elastomeric Insulation** *(23 07 13)*		
23 07 13 00-0025	SF	3/8" Thick, Sheet Flexible Elastomeric Insulation	9.69	3.10
23 07 13 00-0026	SF	1/2" Thick, Sheet Flexible Elastomeric Insulation	10.36	3.27
23 07 13 00-0027	SF	3/4" Thick, Sheet Flexible Elastomeric Insulation	13.70	3.44
23 07 13 00-0028	SF	1" Thick, Sheet Flexible Elastomeric Insulation	15.83	3.61
23 07 13 00-0029	SF	1-1/2" Thick, Sheet Flexible Elastomeric Insulation	22.04	3.96
23 07 13 00-0030	SF	2" Thick, Sheet Flexible Elastomeric Insulation	26.11	4.30
23 07 13 00-0031		**Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation** *(23 07 13)*		
		Note: Jacketing is a 3-ply laminate consisting of a PVC core, 0.012" thick aluminum foil jacketing and UV-protective Mylar film.		
23 07 13 00-0032	SF	1/2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	14.50	3.27
23 07 13 00-0033	SF	3/4" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	15.98	3.44
23 07 13 00-0034	SF	1" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	17.82	3.61
23 07 13 00-0035	SF	1-1/2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	28.00	3.96
23 07 13 00-0036	SF	2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	33.22	4.30
23 07 13 00-0037		**Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation** *(23 07 13)*		
		Note: Jacketing is a 3-ply laminate consisting of a PVC core, 0.012" thick aluminum foil jacketing and UV-protective Mylar film.		
23 07 13 00-0038	SF	1/2" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	17.45	3.27
23 07 13 00-0039	SF	3/4" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	18.92	3.44
23 07 13 00-0040	SF	1" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	21.29	3.61
23 07 13 00-0041	SF	1-1/2" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	31.43	3.96
23 07 16		**HVAC Equipment Insulation** *(23 07)*		
23 07 16 00-0001		**Calcium Silicate Block Insulation** *(23 07 16)*		
23 07 16 00-0002	SF	1" Thick, Calcium Silicate Block Insulation	18.71	7.52
		For Work In Restricted Working Space, Add	*4.51*	
23 07 16 00-0003	SF	1-1/2" Thick, Calcium Silicate Block Insulation	22.44	8.46
		For Work In Restricted Working Space, Add	*5.08*	
23 07 16 00-0004	SF	2" Thick, Calcium Silicate Block Insulation	26.93	9.76
		For Work In Restricted Working Space, Add	*5.87*	
23 07 16 00-0005	SF	2-1/2" Thick, Calcium Silicate Block Insulation	32.10	11.46
		For Work In Restricted Working Space, Add	*6.88*	
23 07 16 00-0006	SF	3" Thick, Calcium Silicate Block Insulation	39.22	14.11
		For Work In Restricted Working Space, Add	*8.46*	
23 07 19		**HVAC Piping Insulation** *(23 07)*		
		See CSI section 22 07 19 00-0000 for pipe insulation.		
23 07 19 00-0001		**Calcium Silicate Pipe Insulation** *(23 07 19)*		
		Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint. See CSI section 22 07 19 00-0001 for protective jacketing.		
23 07 19 00-0002		**1" Thick, Calcium Silicate Pipe Insulation** *(23 07 19 00-0001)*		
23 07 19 00-0003	LF	1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	13.11	3.78
		For Work In Restricted Working Space, Add	*2.83*	
23 07 19 00-0004	LF	3/4" Diameter Pipe, 1" Thick Calcium Silicate Insulation	13.11	3.78
		For Work In Restricted Working Space, Add	*2.83*	
23 07 19 00-0005	LF	1" Diameter Pipe, 1" Thick Calcium Silicate Insulation	13.09	3.83
		For Work In Restricted Working Space, Add	*2.87*	
23 07 19 00-0006	LF	1-1/4" Diameter Pipe, 1" Thick Calcium Silicate Insulation	13.28	3.88
		For Work In Restricted Working Space, Add	*2.91*	
23 07 19 00-0007	LF	1-1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	13.45	3.94
		For Work In Restricted Working Space, Add	*2.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0008	LF	2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	14.27	4.05
		For Work In Restricted Working Space, Add	*3.03*	
23 07 19 00-0009	LF	2-1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	14.92	4.21
		For Work In Restricted Working Space, Add	*3.16*	
23 07 19 00-0010	LF	3" Diameter Pipe, 1" Thick Calcium Silicate Insulation	15.52	4.32
		For Work In Restricted Working Space, Add	*3.24*	
23 07 19 00-0011	LF	4" Diameter Pipe, 1" Thick Calcium Silicate Insulation	17.52	4.64
		For Work In Restricted Working Space, Add	*3.48*	
23 07 19 00-0012	LF	6" Diameter Pipe, 1" Thick Calcium Silicate Insulation	19.57	5.24
		For Work In Restricted Working Space, Add	*3.93*	
23 07 19 00-0013		**1-1/2" Thick, Calcium Silicate Pipe Insulation** *(23 07 19 00-0001)*		
23 07 19 00-0014	LF	1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	13.71	3.93
		For Work In Restricted Working Space, Add	*2.95*	
23 07 19 00-0015	LF	3/4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	13.77	3.93
		For Work In Restricted Working Space, Add	*2.95*	
23 07 19 00-0016	LF	1" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	14.72	4.17
		For Work In Restricted Working Space, Add	*3.12*	
23 07 19 00-0017	LF	1-1/4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	15.24	4.24
		For Work In Restricted Working Space, Add	*3.18*	
23 07 19 00-0018	LF	1-1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	15.78	4.32
		For Work In Restricted Working Space, Add	*3.24*	
23 07 19 00-0019	LF	2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	16.89	4.56
		For Work In Restricted Working Space, Add	*3.42*	
23 07 19 00-0020	LF	2-1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	17.58	4.64
		For Work In Restricted Working Space, Add	*3.48*	
23 07 19 00-0021	LF	3" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	18.24	4.79
		For Work In Restricted Working Space, Add	*3.59*	
23 07 19 00-0022	LF	4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	20.22	5.19
		For Work In Restricted Working Space, Add	*3.89*	
23 07 19 00-0023	LF	6" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	23.46	6.05
		For Work In Restricted Working Space, Add	*4.54*	
23 07 19 00-0024	LF	8" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	27.03	6.38
		For Work In Restricted Working Space, Add	*4.79*	
23 07 19 00-0025	LF	10" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	33.75	7.64
		For Work In Restricted Working Space, Add	*5.73*	
23 07 19 00-0026	LF	12" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	39.62	8.90
		For Work In Restricted Working Space, Add	*6.68*	
23 07 19 00-0027	LF	14" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	44.01	9.76
		For Work In Restricted Working Space, Add	*7.32*	
23 07 19 00-0028	LF	16" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	53.01	12.42
		For Work In Restricted Working Space, Add	*9.31*	
23 07 19 00-0029	LF	18" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	56.88	13.04
		For Work In Restricted Working Space, Add	*9.78*	
23 07 19 00-0030		**2" Thick, Calcium Silicate Pipe Insulation** *(23 07 19 00-0001)*		
23 07 19 00-0031	LF	1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	16.93	4.32
		For Work In Restricted Working Space, Add	*3.24*	
23 07 19 00-0032	LF	3/4" Diameter Pipe, 2" Thick Calcium Silicate Insulation	17.26	4.32
		For Work In Restricted Working Space, Add	*3.24*	
23 07 19 00-0033	LF	1" Diameter Pipe, 2" Thick Calcium Silicate Insulation	17.75	4.37
		For Work In Restricted Working Space, Add	*3.28*	
23 07 19 00-0034	LF	1-1/4" Diameter Pipe, 2" Thick Calcium Silicate Insulation	18.37	4.43
		For Work In Restricted Working Space, Add	*3.32*	
23 07 19 00-0035	LF	1-1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	18.83	4.48
		For Work In Restricted Working Space, Add	*3.36*	
23 07 19 00-0036	LF	2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	19.61	4.64
		For Work In Restricted Working Space, Add	*3.48*	
23 07 19 00-0037	LF	2-1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	21.64	4.81
		For Work In Restricted Working Space, Add	*3.61*	
23 07 19 00-0038	LF	3" Diameter Pipe, 2" Thick Calcium Silicate Insulation	22.09	4.97
		For Work In Restricted Working Space, Add	*3.73*	
23 07 19 00-0039	LF	4" Diameter Pipe, 2" Thick Calcium Silicate Insulation	24.29	5.25
		For Work In Restricted Working Space, Add	*3.94*	
23 07 19 00-0040	LF	6" Diameter Pipe, 2" Thick Calcium Silicate Insulation	29.67	6.29
		For Work In Restricted Working Space, Add	*4.72*	
23 07 19 00-0041	LF	8" Diameter Pipe, 2" Thick Calcium Silicate Insulation	33.19	6.65
		For Work In Restricted Working Space, Add	*4.98*	
23 07 19 00-0042	LF	10" Diameter Pipe, 2" Thick Calcium Silicate Insulation	40.72	7.95
		For Work In Restricted Working Space, Add	*5.96*	
23 07 19 00-0043	LF	12" Diameter Pipe, 2" Thick Calcium Silicate Insulation	46.95	9.53
		For Work In Restricted Working Space, Add	*7.14*	
23 07 19 00-0044	LF	14" Diameter Pipe, 2" Thick Calcium Silicate Insulation	58.68	13.29
		For Work In Restricted Working Space, Add	*9.97*	
23 07 19 00-0045	LF	16" Diameter Pipe, 2" Thick Calcium Silicate Insulation	61.28	13.29
		For Work In Restricted Working Space, Add	*9.97*	
23 07 19 00-0046	LF	18" Diameter Pipe, 2" Thick Calcium Silicate Insulation	65.48	13.95
		For Work In Restricted Working Space, Add	*10.46*	
23 07 19 00-0047	LF	20" Diameter Pipe, 2" Thick Calcium Silicate Insulation	77.57	15.95
		For Work In Restricted Working Space, Add	*11.96*	
23 07 19 00-0048	LF	24" Diameter Pipe, 2" Thick Calcium Silicate Insulation	90.82	19.26
		For Work In Restricted Working Space, Add	*14.45*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0049		**2-1/2" Thick, Calcium Silicate Pipe Insulation** *(23 07 19 00-0001)*		
23 07 19 00-0050	LF	1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	20.17	4.98
		For Work In Restricted Working Space, Add	*3.74*	
23 07 19 00-0051	LF	3/4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	20.52	4.98
		For Work In Restricted Working Space, Add	*3.74*	
23 07 19 00-0052	LF	1" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	20.87	5.05
		For Work In Restricted Working Space, Add	*3.80*	
23 07 19 00-0053	LF	1-1/4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	21.06	5.10
		For Work In Restricted Working Space, Add	*3.83*	
23 07 19 00-0054	LF	1-1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	21.53	5.14
		For Work In Restricted Working Space, Add	*3.85*	
23 07 19 00-0055	LF	2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	22.44	5.35
		For Work In Restricted Working Space, Add	*4.01*	
23 07 19 00-0056	LF	2-1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	24.89	5.53
		For Work In Restricted Working Space, Add	*4.15*	
23 07 19 00-0057	LF	3" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	25.38	5.73
		For Work In Restricted Working Space, Add	*4.30*	
23 07 19 00-0058	LF	4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	28.89	6.04
		For Work In Restricted Working Space, Add	*4.53*	
23 07 19 00-0059	LF	6" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	35.52	6.87
		For Work In Restricted Working Space, Add	*5.15*	
23 07 19 00-0060	LF	8" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	40.41	7.65
		For Work In Restricted Working Space, Add	*5.74*	
23 07 19 00-0061	LF	10" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	48.04	8.82
		For Work In Restricted Working Space, Add	*6.62*	
23 07 19 00-0062	LF	12" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	56.39	10.97
		For Work In Restricted Working Space, Add	*8.23*	
23 07 19 00-0063	LF	14" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	62.27	11.97
		For Work In Restricted Working Space, Add	*8.98*	
23 07 19 00-0064	LF	16" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	76.14	15.31
		For Work In Restricted Working Space, Add	*11.48*	
23 07 19 00-0065	LF	18" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	80.34	16.07
		For Work In Restricted Working Space, Add	*12.05*	
23 07 19 00-0066	LF	20" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	93.02	18.37
		For Work In Restricted Working Space, Add	*13.78*	
23 07 19 00-0067	LF	24" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	109.71	22.19
		For Work In Restricted Working Space, Add	*16.64*	
23 07 19 00-0068		**3" Thick, Calcium Silicate Pipe Insulation** *(23 07 19 00-0001)*		
23 07 19 00-0069	LF	1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	24.90	5.51
		For Work In Restricted Working Space, Add	*4.13*	
23 07 19 00-0070	LF	3/4" Diameter Pipe, 3" Thick Calcium Silicate Insulation	24.98	5.51
		For Work In Restricted Working Space, Add	*4.13*	
23 07 19 00-0071	LF	1" Diameter Pipe, 3" Thick Calcium Silicate Insulation	25.21	5.57
		For Work In Restricted Working Space, Add	*4.18*	
23 07 19 00-0072	LF	1-1/4" Diameter Pipe, 3" Thick Calcium Silicate Insulation	25.46	5.61
		For Work In Restricted Working Space, Add	*4.21*	
23 07 19 00-0073	LF	1-1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	25.70	5.67
		For Work In Restricted Working Space, Add	*4.25*	
23 07 19 00-0074	LF	2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	26.58	5.88
		For Work In Restricted Working Space, Add	*4.41*	
23 07 19 00-0075	LF	2-1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	29.18	6.08
		For Work In Restricted Working Space, Add	*4.56*	
23 07 19 00-0076	LF	3" Diameter Pipe, 3" Thick Calcium Silicate Insulation	29.84	6.29
		For Work In Restricted Working Space, Add	*4.72*	
23 07 19 00-0077	LF	4" Diameter Pipe, 3" Thick Calcium Silicate Insulation	34.63	6.65
		For Work In Restricted Working Space, Add	*4.99*	
23 07 19 00-0078	LF	6" Diameter Pipe, 3" Thick Calcium Silicate Insulation	40.84	7.55
		For Work In Restricted Working Space, Add	*5.66*	
23 07 19 00-0079	LF	8" Diameter Pipe, 3" Thick Calcium Silicate Insulation	47.20	8.41
		For Work In Restricted Working Space, Add	*6.31*	
23 07 19 00-0080	LF	10" Diameter Pipe, 3" Thick Calcium Silicate Insulation	55.86	9.71
		For Work In Restricted Working Space, Add	*7.28*	
23 07 19 00-0081	LF	12" Diameter Pipe, 3" Thick Calcium Silicate Insulation	65.12	12.06
		For Work In Restricted Working Space, Add	*9.05*	
23 07 19 00-0082	LF	14" Diameter Pipe, 3" Thick Calcium Silicate Insulation	72.12	13.17
		For Work In Restricted Working Space, Add	*9.88*	
23 07 19 00-0083	LF	16" Diameter Pipe, 3" Thick Calcium Silicate Insulation	85.39	16.84
		For Work In Restricted Working Space, Add	*12.62*	
23 07 19 00-0084	LF	18" Diameter Pipe, 3" Thick Calcium Silicate Insulation	91.74	17.67
		For Work In Restricted Working Space, Add	*13.26*	
23 07 19 00-0085	LF	20" Diameter Pipe, 3" Thick Calcium Silicate Insulation	107.09	20.21
		For Work In Restricted Working Space, Add	*15.16*	
23 07 19 00-0086	LF	24" Diameter Pipe, 3" Thick Calcium Silicate Insulation	127.02	24.41
		For Work In Restricted Working Space, Add	*18.31*	
23 07 19 00-0087		**3-1/2" Thick, Calcium Silicate Pipe Insulation** *(23 07 19 00-0001)*		
23 07 19 00-0088	LF	1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	31.04	6.04
		For Work In Restricted Working Space, Add	*4.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0089	LF	3/4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	32.05	6.04
		For Work In Restricted Working Space, Add	*4.53*	
23 07 19 00-0090	LF	1" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	32.15	6.08
		For Work In Restricted Working Space, Add	*4.56*	
23 07 19 00-0091	LF	1-1/4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	32.26	6.12
		For Work In Restricted Working Space, Add	*4.59*	
23 07 19 00-0092	LF	1-1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	33.19	6.19
		For Work In Restricted Working Space, Add	*4.65*	
23 07 19 00-0093	LF	2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	35.09	6.40
		For Work In Restricted Working Space, Add	*4.80*	
23 07 19 00-0094	LF	2-1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	37.88	6.63
		For Work In Restricted Working Space, Add	*4.97*	
23 07 19 00-0095	LF	3" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	39.23	6.87
		For Work In Restricted Working Space, Add	*5.15*	
23 07 19 00-0096	LF	4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	44.29	7.25
		For Work In Restricted Working Space, Add	*5.44*	
23 07 19 00-0097	LF	6" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	49.52	8.24
		For Work In Restricted Working Space, Add	*6.18*	
23 07 19 00-0098	LF	8" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	59.71	9.17
		For Work In Restricted Working Space, Add	*6.88*	
23 07 19 00-0099	LF	10" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	72.16	10.59
		For Work In Restricted Working Space, Add	*7.94*	
23 07 19 00-0100	LF	12" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	87.61	13.16
		For Work In Restricted Working Space, Add	*9.87*	
23 07 19 00-0101	LF	14" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	92.64	14.37
		For Work In Restricted Working Space, Add	*10.78*	
23 07 19 00-0102	LF	16" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	109.14	18.37
		For Work In Restricted Working Space, Add	*13.77*	
23 07 19 00-0103	LF	18" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	124.11	19.28
		For Work In Restricted Working Space, Add	*14.46*	
23 07 19 00-0104	LF	20" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	134.81	22.05
		For Work In Restricted Working Space, Add	*16.54*	

23 07 19 00-0105 4" Thick, Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*

23 07 19 00-0106	LF	1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	38.19	6.71
		For Work In Restricted Working Space, Add	*5.03*	
23 07 19 00-0107	LF	3/4" Diameter Pipe, 4" Thick Calcium Silicate Insulation	38.22	6.71
		For Work In Restricted Working Space, Add	*5.03*	
23 07 19 00-0108	LF	1" Diameter Pipe, 4" Thick Calcium Silicate Insulation	38.51	6.83
		For Work In Restricted Working Space, Add	*5.12*	
23 07 19 00-0109	LF	1-1/4" Diameter Pipe, 4" Thick Calcium Silicate Insulation	39.50	6.90
		For Work In Restricted Working Space, Add	*5.18*	
23 07 19 00-0110	LF	1-1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	41.70	7.12
		For Work In Restricted Working Space, Add	*5.34*	
23 07 19 00-0111	LF	2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	42.61	7.34
		For Work In Restricted Working Space, Add	*5.51*	
23 07 19 00-0112	LF	2-1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	46.15	7.45
		For Work In Restricted Working Space, Add	*5.59*	
23 07 19 00-0113	LF	3" Diameter Pipe, 4" Thick Calcium Silicate Insulation	47.52	7.72
		For Work In Restricted Working Space, Add	*5.80*	
23 07 19 00-0114	LF	4" Diameter Pipe, 4" Thick Calcium Silicate Insulation	53.51	8.16
		For Work In Restricted Working Space, Add	*6.12*	
23 07 19 00-0115	LF	6" Diameter Pipe, 4" Thick Calcium Silicate Insulation	61.78	9.25
		For Work In Restricted Working Space, Add	*6.94*	
23 07 19 00-0116	LF	8" Diameter Pipe, 4" Thick Calcium Silicate Insulation	73.13	10.32
		For Work In Restricted Working Space, Add	*7.74*	
23 07 19 00-0117	LF	10" Diameter Pipe, 4" Thick Calcium Silicate Insulation	84.23	11.92
		For Work In Restricted Working Space, Add	*8.94*	
23 07 19 00-0118	LF	12" Diameter Pipe, 4" Thick Calcium Silicate Insulation	96.77	14.80
		For Work In Restricted Working Space, Add	*11.11*	
23 07 19 00-0119	LF	14" Diameter Pipe, 4" Thick Calcium Silicate Insulation	103.21	16.17
		For Work In Restricted Working Space, Add	*12.13*	
23 07 19 00-0120	LF	16" Diameter Pipe, 4" Thick Calcium Silicate Insulation	123.28	20.68
		For Work In Restricted Working Space, Add	*15.51*	
23 07 19 00-0121	LF	18" Diameter Pipe, 4" Thick Calcium Silicate Insulation	130.88	21.67
		For Work In Restricted Working Space, Add	*16.25*	
23 07 19 00-0122	LF	20" Diameter Pipe, 4" Thick Calcium Silicate Insulation	145.41	24.80
		For Work In Restricted Working Space, Add	*18.60*	

23 07 19 00-0123 Weather-Protective Coating For Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*

23 07 19 00-0124	SF	1/4" Thick (Two 1/8" Coats), Weatherproof Coating Over Glass Cloth Mesh (Insulkote ET)	5.99	
		For Work In Restricted Working Space, Add	*1.07*	

23 08 Commissioning of HVAC *(23)*

See CSI section 01 91 13 00-0001 for commissioning, 23 05 93 00-0000 for testing and balancing.

23 09 Instrumentation and Control for HVAC *(23)*

23 09 23 Direct-Digital Control System for HVAC *(23 09)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 11		**Control Valves** *(23 09 23)*		
23 09 23 11-0001		Valves With Actuator *(23 09 23 11)*		
23 09 23 11-0002	EA	1/2" 2-Way Bronze Globe Valve With Actuator (Belimo G215+NV24-MFT US)	842.08	15.11
23 09 23 11-0003	EA	3/4" 2-Way Bronze Globe Valve With Actuator (Belimo G220+NV24-MFT US)	868.41	20.37
23 09 23 11-0004	EA	1" 2-Way Bronze Globe Valve With Actuator (Belimo B225+NV24-MFT US)	949.23	24.66
23 09 23 11-0005	EA	1-1/4" 2-Way Bronze Globe Valve With Actuator (Belimo B232+NV24-MFT US)	1,033.59	31.22
23 09 23 11-0006	EA	1-1/2" 2-Way Bronze Globe Valve With Actuator (Belimo G240+NV24-MFT US)	1,177.11	36.03
23 09 23 11-0007	EA	2" 2-Way Bronze Globe Valve With Actuator (Belimo G250+NV24-MFT US)	1,329.39	42.58
23 09 23 11-0008	EA	2-1/2" 2-Way Bronze Globe Valve With Actuator (Belimo G665+GMX24-MFTX1)	2,483.40	85.16
23 09 23 11-0009	EA	3" 2-Way Bronze Globe Valve With Actuator (Belimo G680+GMX24-MFTX1)	2,688.41	99.66
23 09 23 11-0010	EA	4" 2-Way Bronze Globe Valve With Actuator (Belimo G6100C+GMX24-MFTX1)	3,622.66	146.38
23 09 23 11-0011	EA	5" 2-Way Bronze Globe Valve With Actuator (Belimo G6125C+GMX24-MFTX1)	5,330.64	211.54
23 09 23 11-0012	EA	6" 2-Way Bronze Globe Valve With Actuator (Belimo G6150C+GMX24-MFTX1)	5,904.53	234.21
23 09 23 11-0013	EA	1/2" 3-Way Bronze Globe Valve With Actuator (Belimo G315+NV24-MFT US)	902.63	22.66
23 09 23 11-0014	EA	3/4" 3-Way Bronze Globe Valve With Actuator (Belimo G320+NV24-MFT US)	926.72	30.55
23 09 23 11-0015	EA	1" 3-Way Bronze Globe Valve With Actuator (Belimo G325+NV24-MFT US)	1,001.96	36.98
23 09 23 11-0016	EA	1-1/4" 3-Way Bronze Globe Valve With Actuator (Belimo G332+NV24-MFT US)	1,107.72	46.85
23 09 23 11-0017	EA	1-1/2" 3-Way Bronze Globe Valve With Actuator (Belimo G340+NV24-MFT US)	1,425.97	54.05
23 09 23 11-0018	EA	2" 3-Way Bronze Globe Valve With Actuator (Belimo G350+NV24-MFT US)	1,579.83	63.87
23 09 23 11-0019	EA	2-1/2" 3-Way Bronze Globe Valve With Actuator (Belimo G765+GMX24-MFTX1)	2,782.73	127.75
23 09 23 11-0020	EA	3" 3-Way Bronze Globe Valve With Actuator (Belimo G780+GMX24-MFTX1)	3,054.06	149.49
23 09 23 11-0021	EA	4" 3-Way Bronze Globe Valve With Actuator (Belimo G7100+2*GMX24-MFTX1)	4,443.28	219.56
23 09 23 11-0022	EA	5" 3-Way Bronze Globe Valve With Actuator (Belimo G7125+2*GMX24-MFTX1)	6,445.44	317.31
23 09 23 11-0023	EA	6" 3-Way Bronze Globe Valve With Actuator (Belimo G7150+2*GMX24-MFTX1)	7,165.99	351.31
23 09 23 11-0024	EA	1/2" Two Way Brass Zone Valve With Actuator (Belimo ZONE215N-35+ZONE24NC)	140.29	15.11
23 09 23 11-0025	EA	3/4" Two Way Brass Zone Valve With Actuator (Belimo ZONE220N-50+ZONE24NC)	164.94	20.37
23 09 23 11-0026	EA	1" Two Way Brass Zone Valve With Actuator (Belimo ZONE225N-80+ZONE24NC)	208.01	24.66
23 09 23 11-0027	EA	1/2" Two Way Brass Zone Valve With Actuator (Belimo ZONE315N-35+ZONE24NC)	170.70	22.66
23 09 23 11-0028	EA	3/4" Two Way Brass Zone Valve With Actuator (Belimo ZONE320N-50+ZONE24NC)	198.63	30.55
23 09 23 11-0029	EA	1" Two Way Brass Zone Valve With Actuator (Belimo ZONE325N-80+ZONE24NC)	248.68	36.98
23 09 23 11-0030	EA	1/2" 2-Way Brass Ball Valve With Actuator (Belimo B215B+LRB24-3)	235.65	15.11
23 09 23 11-0031	EA	3/4" 2-Way Brass Ball Valve With Actuator (Belimo B220B+LRB24-3)	278.83	20.37
23 09 23 11-0032	EA	1" 2-Way Brass Ball Valve With Actuator (Belimo B225+LRB24-3)	316.85	24.66
23 09 23 11-0033	EA	1-1/4" 2-Way Brass Ball Valve With Actuator (Belimo B232+ARB24-3)	412.43	31.22
23 09 23 11-0034	EA	1-1/2" 2-Way Brass Ball Valve With Actuator (Belimo B240+ARB24-3)	425.80	36.03
23 09 23 11-0035	EA	2" 2-Way Brass Ball Valve With Actuator (Belimo B250+ARB24-3)	543.17	42.58
23 09 23 11-0036	EA	2-1/2" 2-Way Brass Ball Valve With Actuator (Belimo B265+ARB24-3)	1,168.23	85.16
23 09 23 11-0037	EA	3" 2-Way Brass Ball Valve With Actuator (Belimo B280+ARB24-3)	1,371.67	99.66
23 09 23 11-0038	EA	1/2" 3-Way Brass Ball Valve With Actuator (Belimo B315B+LRB24-3)	284.59	22.66
23 09 23 11-0039	EA	3/4" 3-Way Brass Ball Valve With Actuator (Belimo B320B+LRB24-3)	328.17	30.55
23 09 23 11-0040	EA	1" 3-Way Brass Ball Valve With Actuator (Belimo B325+LRB24-3)	424.08	36.98
23 09 23 11-0041	EA	1-1/4" 3-Way Brass Ball Valve With Actuator (Belimo B331+ARB24-3)	602.95	46.85
23 09 23 11-0042	EA	1-1/2" 3-Way Brass Ball Valve With Actuator (Belimo B341+ARB24-3)	634.60	54.05
23 09 23 11-0043	EA	2" 3-Way Brass Ball Valve With Actuator (Belimo B352+ARB24-3)	842.74	63.87
23 09 23 11-0044	EA	2" 2-Way Butterfly Valve With Actuator (Belimo F650HD+AMB24-3X1)	682.39	78.07
23 09 23 11-0045	EA	2-1/2" 2-Way Butterfly Valve With Actuator (Belimo F665HD+AMB24-3X1)	715.83	85.16
23 09 23 11-0046	EA	3" 2-Way Butterfly Valve With Actuator (Belimo F680HD+GMB24-3X1)	943.82	99.66
23 09 23 11-0047	EA	4" 2-Way Butterfly Valve With Actuator (Belimo F6100HD+2*GMB24-3X1)	1,437.71	167.29
23 09 23 11-0048	EA	5" 2-Way Butterfly Valve With Actuator (Belimo F6125HD+SY2-24)	2,922.62	211.54
23 09 23 11-0049	EA	6" 2-Way Butterfly Valve With Actuator (Belimo F6150HD+SY3-24)	3,080.95	234.21
23 09 23 11-0050	EA	8" 2-Way Butterfly Valve With Actuator (Belimo F6200HD+SY4-24)	4,202.49	267.67
23 09 23 11-0051	EA	10" 2-Way Butterfly Valve With Actuator (Belimo F6250HD+SY4-24)	5,156.20	327.89
23 09 23 11-0052	EA	12" 2-Way Butterfly Valve With Actuator (Belimo F6300HS+SY4-24)	6,374.12	397.44
23 09 23 11-0053	EA	14" 2-Way Butterfly Valve With Actuator (Belimo F6350HD+SY5-24)	7,076.97	468.40
23 09 23 11-0054	EA	16" 2-Way Butterfly Valve With Actuator (Belimo F6400HD+SY6-110)	9,383.11	515.25
23 09 23 11-0055	EA	18" 2-Way Butterfly Valve With Actuator (Belimo F6450HD+SY8-110)	11,384.07	572.40
23 09 23 11-0056	EA	2" 3-Way Butterfly Valve With Actuator (Belimo F750HD+AMB24-3X1)	1,267.20	117.10
23 09 23 11-0057	EA	2-1/2" 3-Way Butterfly Valve With Actuator (Belimo F765HD+GMB24-3X1)	1,495.10	127.75
23 09 23 11-0058	EA	3" 3-Way Butterfly Valve With Actuator (Belimo F780HD+2*GMB24-3X1)	1,847.65	149.49
23 09 23 11-0059	EA	4" 3-Way Butterfly Valve With Actuator (Belimo F7100HD+2*GMB24-3X1)	2,356.46	250.93
23 09 23 11-0060	EA	5" 3-Way Butterfly Valve With Actuator (Belimo F7125HD+SY3-24)	4,872.50	317.31
23 09 23 11-0061	EA	6" 3-Way Butterfly Valve With Actuator (Belimo F7150HD+SY3-24)	5,039.38	351.31
23 09 23 11-0062	EA	8" 3-Way Butterfly Valve With Actuator (Belimo F7200HD+SY4-24)	6,362.49	401.54
23 09 23 11-0063	EA	10" 3-Way Butterfly Valve With Actuator (Belimo F7250HD+SY4-24)	8,431.34	491.83
23 09 23 11-0064	EA	12" 3-Way Butterfly Valve With Actuator (Belimo F7300HD+SY5-24)	10,248.64	596.16
23 09 23 11-0065	EA	14" 3-Way Butterfly Valve With Actuator (Belimo F7350HD+SY6-110)	16,047.46	702.62
23 09 23 11-0066	EA	16" 3-Way Butterfly Valve With Actuator (Belimo F7400HD+SY7-110)	17,896.28	772.87
23 09 23 11-0067	EA	18" 3-Way Butterfly Valve With Actuator (Belimo F7450HD+SY8-110)	27,622.86	858.60
23 09 23 11-0068	EA	8" 2-Way, Class 300, Stainless Disc, Steel Body, RPTFE Seat, Butterfly Valve With Actuator (Belimo F6200HD-300SHP+SY4-120MFT) Note: 0% Leakage up to 600 psi, NEMA 4X Industrial Control Valve Actuator, 120VAC, 3,560 in-lb, Programmable Control Input and Feedback Signal, <30 Second Run Time, 2 x SPDT 10A @ 250 VAC Auxiliary Switches	8,379.28	267.67
23 09 23 11-0069	EA	12" 2-Way, Class 300, Stainless Disc, Steel Body, RPTFE Seat, Butterfly Valve With Actuator (Belimo F6300-300SHP+SY7-120MFT) Note: 0% Leakage up to 600 psi, NEMA 4X Industrial Control Valve Actuator, 120VAC, 8,900 in-lb, Programmable Control Input and Feedback Signal, 75 Second Run Time, 2 x SPDT 10A @ 250 VAC Auxiliary Switches	15,009.37	397.44
23 09 23 11-0070	EA	14" 2-Way, Class 300, Stainless Disc, Steel Body, RPTFE Seat, Butterfly Valve With Actuator (Belimo F6350-300SHP+SY7-120MFT)	21,951.08	468.40

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 11-0071		Valve Actuators *(23 09 23 11)*		
23 09 23 11-0072	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Terminal Strip, 90 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3-T)	464.45	96.75
23 09 23 11-0073	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 95 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3)	471.93	96.75
23 09 23 11-0074	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, Terminal Strip, 90 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-SR-T)	588.96	96.75
23 09 23 11-0075	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Auxiliary Switch, 90 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3-S)	534.04	96.75
23 09 23 11-0076	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 90 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-SR)	544.95	96.75
23 09 23 11-0077	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, 150 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-MFT)	616.61	96.75
23 09 23 11-0078	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 2.5 Seconds Run Time, 35 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRQX24-1)	753.18	96.75
23 09 23 11-0079	EA	24 Volt AC/DC Power Supply, 0-135 Ohms Control Input, 150 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-MFT95)	769.94	96.75
23 09 23 11-0080	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, 2.5 Seconds Run Time, 35 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRQX24-MFT)	810.33	96.75
23 09 23 11-0081	EA	120 Volt AC Power Supply, On/Off/Floating Point Control Input, 90 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX120-3)	571.85	96.75
23 09 23 11-0082	EA	120 Volt AC Power Supply, 2-10 Volt DC Control Input, 90 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX120-SR)	656.60	96.75
23 09 23 11-0083	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Terminal Strip, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3-T)	581.11	96.75
23 09 23 11-0084	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3)	592.05	96.75
23 09 23 11-0085	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARB24-3-5-14)	596.14	96.75
23 09 23 11-0086	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Auxiliary Switch, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3-S)	670.51	96.75
23 09 23 11-0087	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR-T)	702.58	96.75
23 09 23 11-0088	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR)	719.63	96.75
23 09 23 11-0089	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, Variable Run Time (90 To 350 Seconds), 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT)	716.24	96.75
23 09 23 11-0090	EA	24 Volt AC/DC Power Supply, Phasecut Control Input, 95 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-PC)	727.15	96.75
23 09 23 11-0091	EA	24 Volt AC/DC Power Supply, 0-135 Ohms Control Input, 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT95)	726.46	96.75
23 09 23 11-0092	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, NEMA 4X, 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR-T N4)	797.23	96.75
23 09 23 11-0093	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, NEMA 4X, Variable Run Time (75 To 350 Seconds), 160 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT-T N4)	976.22	96.75
23 09 23 11-0094	EA	100-240 Volt AC Power Supply, On/Off/Floating Point Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX120-3)	633.65	96.75
23 09 23 11-0095	EA	100-240 Volt AC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX120-SR)	764.69	96.75
23 09 23 11-0096	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 15 Seconds Run Time, 801 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY2-24)	1,792.33	96.75
23 09 23 11-0097	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 22 Seconds Run Time, 1,335 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY3-24)	2,016.14	96.75
23 09 23 11-0098	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 16 Seconds Run Time, 3,560 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY4-24)	2,430.34	96.75
23 09 23 11-0099	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 22 Seconds Run Time, 4,450 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY5-24)	2,759.92	96.75
23 09 23 11-0100	EA	120 Volt AC Power Supply, On/Off Control Input, 28 Seconds Run Time, 5,785 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY6-110)	3,276.48	96.75
23 09 23 11-0101	EA	120 Volt AC Power Supply, On/Off Control Input, 46 Seconds Run Time, 8,900 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY7-110)	3,868.79	96.75
23 09 23 11-0102	EA	120 Volt AC Power Supply, On/Off Control Input, 46 Seconds Run Time, 13,350 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY8-110)	5,230.80	96.75
23 09 23 11-0103	EA	120 Volt AC Power Supply, On/Off Control Input, 58 Seconds Run Time, 17,800 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY9-110)	6,396.96	96.75
23 09 23 12		**Control Dampers** *(23 09 23)*		
23 09 23 12-0001		Rectangular Volume Control Dampers (Ruskin) *(23 09 23 12)* Note: Excludes actuators.		
23 09 23 12-0002		Rectangular Volume Control Dampers (Ruskin CD36) *(23 09 23 12-0001)*		
23 09 23 12-0003	EA	8" x 8" Volume Control Damper (Ruskin CD36)	182.64	47.86
23 09 23 12-0004	EA	8" x 12" Volume Control Damper (Ruskin CD36)	195.05	47.86
23 09 23 12-0005	EA	8" x 16" Volume Control Damper (Ruskin CD36)	210.06	47.86
23 09 23 12-0006	EA	8" x 20" Volume Control Damper (Ruskin CD36)	276.63	63.81
23 09 23 12-0007	EA	8" x 24" Volume Control Damper (Ruskin CD36)	298.88	63.81
23 09 23 12-0008	EA	8" x 28" Volume Control Damper (Ruskin CD36)	311.29	63.81
23 09 23 12-0009	EA	8" x 32" Volume Control Damper (Ruskin CD36)	343.89	63.81
23 09 23 12-0010	EA	8" x 36" Volume Control Damper (Ruskin CD36)	407.88	79.76
23 09 23 12-0011	EA	12" x 8" Volume Control Damper (Ruskin CD36)	195.05	47.86

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 12-0012	EA	12" x 12" Volume Control Damper (Ruskin CD36)	202.30	47.86
23 09 23 12-0013	EA	12" x 16" Volume Control Damper (Ruskin CD36)	249.20	63.81
23 09 23 12-0014	EA	12" x 20" Volume Control Damper (Ruskin CD36)	283.87	63.81
23 09 23 12-0015	EA	12" x 24" Volume Control Damper (Ruskin CD36)	338.55	79.76
23 09 23 12-0016	EA	12" x 28" Volume Control Damper (Ruskin CD36)	350.96	79.76
23 09 23 12-0017	EA	12" x 32" Volume Control Damper (Ruskin CD36)	383.04	79.76
23 09 23 12-0018	EA	12" x 36" Volume Control Damper (Ruskin CD36)	447.02	95.71
23 09 23 12-0019	EA	16" x 8" Volume Control Damper (Ruskin CD36)	210.06	47.86
23 09 23 12-0020	EA	16" x 12" Volume Control Damper (Ruskin CD36)	259.03	63.81
23 09 23 12-0021	EA	16" x 16" Volume Control Damper (Ruskin CD36)	267.31	63.81
23 09 23 12-0022	EA	16" x 20" Volume Control Damper (Ruskin CD36)	323.54	79.76
23 09 23 12-0023	EA	16" x 24" Volume Control Damper (Ruskin CD36)	348.38	79.76
23 09 23 12-0024	EA	16" x 28" Volume Control Damper (Ruskin CD36)	397.35	95.71
23 09 23 12-0025	EA	16" x 32" Volume Control Damper (Ruskin CD36)	424.78	95.71
23 09 23 12-0026	EA	16" x 36" Volume Control Damper (Ruskin CD36)	454.79	95.71
23 09 23 12-0027	EA	20" x 8" Volume Control Damper (Ruskin CD36)	276.63	63.81
23 09 23 12-0028	EA	20" x 12" Volume Control Damper (Ruskin CD36)	244.55	63.81
23 09 23 12-0029	EA	20" x 16" Volume Control Damper (Ruskin CD36)	298.71	79.76
23 09 23 12-0030	EA	20" x 20" Volume Control Damper (Ruskin CD36)	330.79	79.76
23 09 23 12-0031	EA	20" x 24" Volume Control Damper (Ruskin CD36)	382.86	95.71
23 09 23 12-0032	EA	20" x 28" Volume Control Damper (Ruskin CD36)	412.36	95.71
23 09 23 12-0033	EA	20" x 32" Volume Control Damper (Ruskin CD36)	469.62	111.66
23 09 23 12-0034	EA	20" x 36" Volume Control Damper (Ruskin CD36)	496.53	111.66
23 09 23 12-0035	EA	24" x 8" Volume Control Damper (Ruskin CD36)	244.55	63.81
23 09 23 12-0036	EA	24" x 12" Volume Control Damper (Ruskin CD36)	283.70	79.76
23 09 23 12-0037	EA	24" x 16" Volume Control Damper (Ruskin CD36)	305.95	79.76
23 09 23 12-0038	EA	24" x 20" Volume Control Damper (Ruskin CD36)	372.52	95.71
23 09 23 12-0039	EA	24" x 24" Volume Control Damper (Ruskin CD36)	395.28	95.71
23 09 23 12-0040	EA	24" x 28" Volume Control Damper (Ruskin CD36)	454.10	111.66
23 09 23 12-0041	EA	24" x 32" Volume Control Damper (Ruskin CD36)	486.70	111.66
23 09 23 12-0042	EA	24" x 36" Volume Control Damper (Ruskin CD36)	511.53	111.66
23 09 23 12-0043	EA	28" x 8" Volume Control Damper (Ruskin CD36)	249.20	63.81
23 09 23 12-0044	EA	28" x 12" Volume Control Damper (Ruskin CD36)	288.87	79.76
23 09 23 12-0045	EA	28" x 16" Volume Control Damper (Ruskin CD36)	340.44	95.71
23 09 23 12-0046	EA	28" x 20" Volume Control Damper (Ruskin CD36)	380.28	95.71
23 09 23 12-0047	EA	28" x 24" Volume Control Damper (Ruskin CD36)	431.85	111.66
23 09 23 12-0048	EA	28" x 28" Volume Control Damper (Ruskin CD36)	461.86	111.66
23 09 23 12-0049	EA	28" x 32" Volume Control Damper (Ruskin CD36)	489.28	111.66
23 09 23 12-0050	EA	28" x 36" Volume Control Damper (Ruskin CD36)	526.54	111.66
23 09 23 12-0051	EA	32" x 8" Volume Control Damper (Ruskin CD36)	251.79	63.81
23 09 23 12-0052	EA	32" x 12" Volume Control Damper (Ruskin CD36)	290.94	79.76
23 09 23 12-0053	EA	32" x 16" Volume Control Damper (Ruskin CD36)	347.68	95.71
23 09 23 12-0054	EA	32" x 20" Volume Control Damper (Ruskin CD36)	414.77	111.66
23 09 23 12-0055	EA	32" x 24" Volume Control Damper (Ruskin CD36)	444.27	111.66
23 09 23 12-0056	EA	32" x 28" Volume Control Damper (Ruskin CD36)	471.69	111.66
23 09 23 12-0057	EA	32" x 32" Volume Control Damper (Ruskin CD36)	501.70	111.66
23 09 23 12-0058	EA	32" x 36" Volume Control Damper (Ruskin CD36)	568.26	127.61
23 09 23 12-0059	EA	36" x 8" Volume Control Damper (Ruskin CD36)	293.53	79.76
23 09 23 12-0060	EA	36" x 12" Volume Control Damper (Ruskin CD36)	333.19	95.71
23 09 23 12-0061	EA	36" x 16" Volume Control Damper (Ruskin CD36)	355.44	95.71
23 09 23 12-0062	EA	36" x 20" Volume Control Damper (Ruskin CD36)	422.02	111.66
23 09 23 12-0063	EA	36" x 24" Volume Control Damper (Ruskin CD36)	454.10	111.66
23 09 23 12-0064	EA	36" x 28" Volume Control Damper (Ruskin CD36)	486.70	111.66
23 09 23 12-0065	EA	36" x 32" Volume Control Damper (Ruskin CD36)	543.42	127.61
23 09 23 12-0066	EA	36" x 36" Volume Control Damper (Ruskin CD36)	578.09	127.61
23 09 23 12-0067	EA	36" x 40" Volume Control Damper (Ruskin CD36)	608.10	127.61
23 09 23 12-0068	EA	36" x 44" Volume Control Damper (Ruskin CD36)	640.18	127.61
23 09 23 12-0069	EA	36" x 48" Volume Control Damper (Ruskin CD36)	667.60	127.61
23 09 23 12-0070	EA	36" x 52" Volume Control Damper (Ruskin CD36)	699.68	127.61
23 09 23 12-0071	EA	36" x 56" Volume Control Damper (Ruskin CD36)	732.28	127.61
23 09 23 12-0072	EA	36" x 60" Volume Control Damper (Ruskin CD36)	759.19	127.61
23 09 23 12-0073	EA	36" x 64" Volume Control Damper (Ruskin CD36)	796.44	127.61
23 09 23 12-0074	EA	36" x 68" Volume Control Damper (Ruskin CD36)	858.36	143.56
23 09 23 12-0075	EA	36" x 72" Volume Control Damper (Ruskin CD36)	913.21	143.56
23 09 23 12-0076	EA	36" x 76" Volume Control Damper (Ruskin CD36)	1,080.85	143.56
23 09 23 12-0077	EA	36" x 80" Volume Control Damper (Ruskin CD36)	1,080.85	143.56
23 09 23 12-0078	EA	36" x 84" Volume Control Damper (Ruskin CD36)	1,153.29	143.56
23 09 23 12-0079	EA	40" x 40" Volume Control Damper (Ruskin CD36)	620.52	127.61
23 09 23 12-0080	EA	40" x 44" Volume Control Damper (Ruskin CD36)	652.60	127.61
23 09 23 12-0081	EA	40" x 48" Volume Control Damper (Ruskin CD36)	684.68	127.61
23 09 23 12-0082	EA	40" x 52" Volume Control Damper (Ruskin CD36)	719.86	127.61
23 09 23 12-0083	EA	40" x 56" Volume Control Damper (Ruskin CD36)	749.36	127.61
23 09 23 12-0084	EA	40" x 60" Volume Control Damper (Ruskin CD36)	808.69	143.56
23 09 23 12-0085	EA	40" x 64" Volume Control Damper (Ruskin CD36)	845.94	143.56
23 09 23 12-0086	EA	40" x 68" Volume Control Damper (Ruskin CD36)	880.61	143.56
23 09 23 12-0087	EA	40" x 72" Volume Control Damper (Ruskin CD36)	932.87	143.56
23 09 23 12-0088	EA	40" x 76" Volume Control Damper (Ruskin CD36)	1,108.79	143.56
23 09 23 12-0089	EA	40" x 80" Volume Control Damper (Ruskin CD36)	1,108.79	143.56
23 09 23 12-0090	EA	40" x 84" Volume Control Damper (Ruskin CD36)	1,181.23	143.56
23 09 23 12-0091	EA	44" x 40" Volume Control Damper (Ruskin CD36)	635.01	127.61
23 09 23 12-0092	EA	44" x 44" Volume Control Damper (Ruskin CD36)	667.60	127.61

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 12-0093	EA	44" x 48" Volume Control Damper (Ruskin CD36)	699.68	127.61
23 09 23 12-0094	EA	44" x 52" Volume Control Damper (Ruskin CD36)	734.35	127.61
23 09 23 12-0095	EA	44" x 56" Volume Control Damper (Ruskin CD36)	796.27	143.56
23 09 23 12-0096	EA	44" x 60" Volume Control Damper (Ruskin CD36)	830.94	143.56
23 09 23 12-0097	EA	44" x 64" Volume Control Damper (Ruskin CD36)	863.53	143.56
23 09 23 12-0098	EA	44" x 68" Volume Control Damper (Ruskin CD36)	902.86	143.56
23 09 23 12-0099	EA	44" x 72" Volume Control Damper (Ruskin CD36)	955.12	143.56
23 09 23 12-0100	EA	44" x 76" Volume Control Damper (Ruskin CD36)	1,141.91	143.56
23 09 23 12-0101	EA	44" x 80" Volume Control Damper (Ruskin CD36)	1,141.91	143.56
23 09 23 12-0102	EA	44" x 84" Volume Control Damper (Ruskin CD36)	1,246.76	159.52
23 09 23 12-0103	EA	40" x 40" Volume Control Damper (Ruskin CD36)	620.52	127.61
23 09 23 12-0104	EA	40" x 44" Volume Control Damper (Ruskin CD36)	652.60	127.61
23 09 23 12-0105	EA	40" x 48" Volume Control Damper (Ruskin CD36)	684.68	127.61
23 09 23 12-0106	EA	40" x 52" Volume Control Damper (Ruskin CD36)	719.86	127.61
23 09 23 12-0107	EA	40" x 56" Volume Control Damper (Ruskin CD36)	749.36	127.61
23 09 23 12-0108	EA	40" x 60" Volume Control Damper (Ruskin CD36)	808.69	143.56
23 09 23 12-0109	EA	40" x 64" Volume Control Damper (Ruskin CD36)	845.94	143.56
23 09 23 12-0110	EA	40" x 68" Volume Control Damper (Ruskin CD36)	880.61	143.56
23 09 23 12-0111	EA	40" x 72" Volume Control Damper (Ruskin CD36)	932.87	143.56
23 09 23 12-0112	EA	40" x 76" Volume Control Damper (Ruskin CD36)	1,108.79	143.56
23 09 23 12-0113	EA	40" x 80" Volume Control Damper (Ruskin CD36)	1,108.79	143.56
23 09 23 12-0114	EA	40" x 84" Volume Control Damper (Ruskin CD36)	1,181.23	143.56
23 09 23 12-0115	EA	44" x 40" Volume Control Damper (Ruskin CD36)	635.01	127.61
23 09 23 12-0116	EA	44" x 44" Volume Control Damper (Ruskin CD36)	667.60	127.61
23 09 23 12-0117	EA	44" x 48" Volume Control Damper (Ruskin CD36)	699.68	127.61
23 09 23 12-0118	EA	44" x 52" Volume Control Damper (Ruskin CD36)	734.35	127.61
23 09 23 12-0119	EA	44" x 56" Volume Control Damper (Ruskin CD36)	796.27	143.56
23 09 23 12-0120	EA	44" x 60" Volume Control Damper (Ruskin CD36)	830.94	143.56
23 09 23 12-0121	EA	44" x 64" Volume Control Damper (Ruskin CD36)	863.53	143.56
23 09 23 12-0122	EA	44" x 68" Volume Control Damper (Ruskin CD36)	902.86	143.56
23 09 23 12-0123	EA	44" x 72" Volume Control Damper (Ruskin CD36)	955.12	143.56
23 09 23 12-0124	EA	44" x 76" Volume Control Damper (Ruskin CD36)	1,141.91	143.56
23 09 23 12-0125	EA	44" x 80" Volume Control Damper (Ruskin CD36)	1,141.91	143.56
23 09 23 12-0126	EA	44" x 84" Volume Control Damper (Ruskin CD36)	1,246.76	159.52
23 09 23 12-0127	EA	48" x 40" Volume Control Damper (Ruskin CD36)	650.01	127.61
23 09 23 12-0128	EA	48" x 44" Volume Control Damper (Ruskin CD36)	682.61	127.61
23 09 23 12-0129	EA	48" x 48" Volume Control Damper (Ruskin CD36)	717.28	127.61
23 09 23 12-0130	EA	48" x 52" Volume Control Damper (Ruskin CD36)	783.85	143.56
23 09 23 12-0131	EA	48" x 56" Volume Control Damper (Ruskin CD36)	815.93	143.56
23 09 23 12-0132	EA	48" x 60" Volume Control Damper (Ruskin CD36)	845.94	143.56
23 09 23 12-0133	EA	48" x 64" Volume Control Damper (Ruskin CD36)	883.20	143.56
23 09 23 12-0134	EA	48" x 68" Volume Control Damper (Ruskin CD36)	920.45	143.56
23 09 23 12-0135	EA	48" x 72" Volume Control Damper (Ruskin CD36)	979.95	143.56
23 09 23 12-0136	EA	48" x 76" Volume Control Damper (Ruskin CD36)	1,207.44	159.52
23 09 23 12-0137	EA	48" x 80" Volume Control Damper (Ruskin CD36)	1,207.44	159.52
23 09 23 12-0138	EA	48" x 84" Volume Control Damper (Ruskin CD36)	1,280.39	159.52
23 09 23 12-0139	EA	52" x 40" Volume Control Damper (Ruskin CD36)	1,000.30	127.61
23 09 23 12-0140	EA	52" x 44" Volume Control Damper (Ruskin CD36)	1,049.98	127.61
23 09 23 12-0141	EA	52" x 48" Volume Control Damper (Ruskin CD36)	1,158.98	143.56
23 09 23 12-0142	EA	52" x 52" Volume Control Damper (Ruskin CD36)	1,228.32	143.56
23 09 23 12-0143	EA	52" x 56" Volume Control Damper (Ruskin CD36)	1,277.99	143.56
23 09 23 12-0144	EA	52" x 60" Volume Control Damper (Ruskin CD36)	1,335.42	143.56
23 09 23 12-0145	EA	52" x 64" Volume Control Damper (Ruskin CD36)	1,409.93	143.56
23 09 23 12-0146	EA	52" x 68" Volume Control Damper (Ruskin CD36)	1,489.09	143.56
23 09 23 12-0147	EA	52" x 72" Volume Control Damper (Ruskin CD36)	1,615.68	159.52
23 09 23 12-0148	EA	52" x 76" Volume Control Damper (Ruskin CD36)	1,794.19	159.52
23 09 23 12-0149	EA	52" x 80" Volume Control Damper (Ruskin CD36)	1,794.71	159.52
23 09 23 12-0150	EA	52" x 84" Volume Control Damper (Ruskin CD36)	1,905.95	159.52
23 09 23 12-0151	EA	56" x 40" Volume Control Damper (Ruskin CD36)	1,010.13	127.61
23 09 23 12-0152	EA	56" x 44" Volume Control Damper (Ruskin CD36)	1,099.48	143.56
23 09 23 12-0153	EA	56" x 48" Volume Control Damper (Ruskin CD36)	1,173.99	143.56
23 09 23 12-0154	EA	56" x 52" Volume Control Damper (Ruskin CD36)	1,236.08	143.56
23 09 23 12-0155	EA	56" x 56" Volume Control Damper (Ruskin CD36)	1,292.99	143.56
23 09 23 12-0156	EA	56" x 60" Volume Control Damper (Ruskin CD36)	1,357.67	143.56
23 09 23 12-0157	EA	56" x 64" Volume Control Damper (Ruskin CD36)	1,429.59	143.56
23 09 23 12-0158	EA	56" x 68" Volume Control Damper (Ruskin CD36)	1,551.00	159.52
23 09 23 12-0159	EA	56" x 72" Volume Control Damper (Ruskin CD36)	1,650.35	159.52
23 09 23 12-0160	EA	56" x 76" Volume Control Damper (Ruskin CD36)	1,794.19	159.52
23 09 23 12-0161	EA	56" x 80" Volume Control Damper (Ruskin CD36)	1,794.19	159.52
23 09 23 12-0162	EA	56" x 84" Volume Control Damper (Ruskin CD36)	1,905.95	159.52
23 09 23 12-0163	EA	60" x 40" Volume Control Damper (Ruskin CD36)	1,057.05	143.56
23 09 23 12-0164	EA	60" x 44" Volume Control Damper (Ruskin CD36)	1,121.73	143.56
23 09 23 12-0165	EA	60" x 48" Volume Control Damper (Ruskin CD36)	1,193.65	143.56
23 09 23 12-0166	EA	60" x 52" Volume Control Damper (Ruskin CD36)	1,258.33	143.56
23 09 23 12-0167	EA	60" x 56" Volume Control Damper (Ruskin CD36)	1,327.66	143.56
23 09 23 12-0168	EA	60" x 60" Volume Control Damper (Ruskin CD36)	1,379.92	143.56
23 09 23 12-0169	EA	60" x 64" Volume Control Damper (Ruskin CD36)	1,483.74	159.52
23 09 23 12-0170	EA	60" x 68" Volume Control Damper (Ruskin CD36)	1,570.67	159.52
23 09 23 12-0171	EA	60" x 72" Volume Control Damper (Ruskin CD36)	1,685.02	159.52
23 09 23 12-0172	EA	60" x 76" Volume Control Damper (Ruskin CD36)	1,850.07	159.52
23 09 23 12-0173	EA	60" x 80" Volume Control Damper (Ruskin CD36)	1,850.07	159.52

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 12-0174	EA	60" x 84" Volume Control Damper (Ruskin CD36)	1,995.47	159.52
23 09 23 12-0175	EA	64" x 40" Volume Control Damper (Ruskin CD36)	1,072.05	143.56
23 09 23 12-0176	EA	64" x 44" Volume Control Damper (Ruskin CD36)	1,143.98	143.56
23 09 23 12-0177	EA	64" x 48" Volume Control Damper (Ruskin CD36)	1,213.31	143.56
23 09 23 12-0178	EA	64" x 52" Volume Control Damper (Ruskin CD36)	1,275.40	143.56
23 09 23 12-0179	EA	64" x 56" Volume Control Damper (Ruskin CD36)	1,345.25	143.56
23 09 23 12-0180	EA	64" x 60" Volume Control Damper (Ruskin CD36)	1,434.07	159.52
23 09 23 12-0181	EA	64" x 64" Volume Control Damper (Ruskin CD36)	1,503.92	159.52
23 09 23 12-0182	EA	64" x 68" Volume Control Damper (Ruskin CD36)	1,588.26	159.52
23 09 23 12-0183	EA	64" x 72" Volume Control Damper (Ruskin CD36)	1,719.68	159.52
23 09 23 12-0184	EA	64" x 76" Volume Control Damper (Ruskin CD36)	1,850.07	159.52
23 09 23 12-0185	EA	64" x 80" Volume Control Damper (Ruskin CD36)	1,850.07	159.52
23 09 23 12-0186	EA	64" x 84" Volume Control Damper (Ruskin CD36)	2,027.38	175.47
23 09 23 12-0187	EA	66" x 40" Volume Control Damper (Ruskin CD36)	1,084.47	143.56
23 09 23 12-0188	EA	66" x 44" Volume Control Damper (Ruskin CD36)	1,158.98	143.56
23 09 23 12-0189	EA	66" x 48" Volume Control Damper (Ruskin CD36)	1,225.73	143.56
23 09 23 12-0190	EA	66" x 52" Volume Control Damper (Ruskin CD36)	1,292.99	143.56
23 09 23 12-0191	EA	66" x 56" Volume Control Damper (Ruskin CD36)	1,396.81	159.52
23 09 23 12-0192	EA	66" x 60" Volume Control Damper (Ruskin CD36)	1,456.32	159.52
23 09 23 12-0193	EA	66" x 64" Volume Control Damper (Ruskin CD36)	1,533.41	159.52
23 09 23 12-0194	EA	66" x 68" Volume Control Damper (Ruskin CD36)	1,610.51	159.52
23 09 23 12-0195	EA	66" x 72" Volume Control Damper (Ruskin CD36)	1,739.86	159.52
23 09 23 12-0196	EA	66" x 76" Volume Control Damper (Ruskin CD36)	1,905.95	159.52
23 09 23 12-0197	EA	66" x 80" Volume Control Damper (Ruskin CD36)	1,937.86	175.47
23 09 23 12-0198	EA	66" x 84" Volume Control Damper (Ruskin CD36)	2,083.26	175.47
23 09 23 12-0199	EA	72" x 40" Volume Control Damper (Ruskin CD36)	1,098.96	143.56
23 09 23 12-0200	EA	72" x 44" Volume Control Damper (Ruskin CD36)	1,173.99	143.56
23 09 23 12-0201	EA	72" x 48" Volume Control Damper (Ruskin CD36)	1,236.08	143.56
23 09 23 12-0202	EA	72" x 52" Volume Control Damper (Ruskin CD36)	1,342.48	159.52
23 09 23 12-0203	EA	72" x 56" Volume Control Damper (Ruskin CD36)	1,416.99	159.52
23 09 23 12-0204	EA	72" x 60" Volume Control Damper (Ruskin CD36)	1,479.08	159.52
23 09 23 12-0205	EA	72" x 64" Volume Control Damper (Ruskin CD36)	1,566.01	159.52
23 09 23 12-0206	EA	72" x 68" Volume Control Damper (Ruskin CD36)	1,632.76	159.52
23 09 23 12-0207	EA	72" x 72" Volume Control Damper (Ruskin CD36)	1,759.52	159.52
23 09 23 12-0208	EA	72" x 76" Volume Control Damper (Ruskin CD36)	1,937.86	175.47
23 09 23 12-0209	EA	72" x 80" Volume Control Damper (Ruskin CD36)	1,937.86	175.47
23 09 23 12-0210	EA	72" x 84" Volume Control Damper (Ruskin CD36)	2,083.26	175.47
23 09 23 12-0211	EA	76" x 40" Volume Control Damper (Ruskin CD36)	1,113.97	143.56
23 09 23 12-0212	EA	76" x 44" Volume Control Damper (Ruskin CD36)	1,186.40	143.56
23 09 23 12-0213	EA	76" x 48" Volume Control Damper (Ruskin CD36)	1,287.64	159.52
23 09 23 12-0214	EA	76" x 52" Volume Control Damper (Ruskin CD36)	1,362.15	159.52
23 09 23 12-0215	EA	76" x 56" Volume Control Damper (Ruskin CD36)	1,436.65	159.52
23 09 23 12-0216	EA	76" x 60" Volume Control Damper (Ruskin CD36)	1,498.75	159.52
23 09 23 12-0217	EA	76" x 64" Volume Control Damper (Ruskin CD36)	1,585.67	159.52
23 09 23 12-0218	EA	76" x 68" Volume Control Damper (Ruskin CD36)	1,670.01	159.52
23 09 23 12-0219	EA	76" x 72" Volume Control Damper (Ruskin CD36)	1,813.68	175.47
23 09 23 12-0220	EA	76" x 76" Volume Control Damper (Ruskin CD36)	1,993.75	175.47
23 09 23 12-0221	EA	76" x 80" Volume Control Damper (Ruskin CD36)	1,993.75	175.47
23 09 23 12-0222	EA	76" x 84" Volume Control Damper (Ruskin CD36)	2,139.14	175.47
23 09 23 12-0223	EA	80" x 40" Volume Control Damper (Ruskin CD36)	1,128.97	143.56
23 09 23 12-0224	EA	80" x 44" Volume Control Damper (Ruskin CD36)	1,200.89	143.56
23 09 23 12-0225	EA	80" x 48" Volume Control Damper (Ruskin CD36)	1,307.30	159.52
23 09 23 12-0226	EA	80" x 52" Volume Control Damper (Ruskin CD36)	1,389.57	159.52
23 09 23 12-0227	EA	80" x 56" Volume Control Damper (Ruskin CD36)	1,456.32	159.52
23 09 23 12-0228	EA	80" x 60" Volume Control Damper (Ruskin CD36)	1,518.41	159.52
23 09 23 12-0229	EA	80" x 64" Volume Control Damper (Ruskin CD36)	1,605.33	159.52
23 09 23 12-0230	EA	80" x 68" Volume Control Damper (Ruskin CD36)	1,716.93	175.47
23 09 23 12-0231	EA	80" x 72" Volume Control Damper (Ruskin CD36)	1,835.93	175.47
23 09 23 12-0232	EA	80" x 76" Volume Control Damper (Ruskin CD36)	1,993.75	175.47
23 09 23 12-0233	EA	80" x 80" Volume Control Damper (Ruskin CD36)	1,993.75	175.47
23 09 23 12-0234	EA	80" x 84" Volume Control Damper (Ruskin CD36)	2,139.14	175.47
23 09 23 12-0235	EA	84" x 40" Volume Control Damper (Ruskin CD36)	1,138.80	143.56
23 09 23 12-0236	EA	84" x 44" Volume Control Damper (Ruskin CD36)	1,245.21	159.52
23 09 23 12-0237	EA	84" x 48" Volume Control Damper (Ruskin CD36)	1,327.48	159.52
23 09 23 12-0238	EA	84" x 52" Volume Control Damper (Ruskin CD36)	1,416.99	159.52
23 09 23 12-0239	EA	84" x 56" Volume Control Damper (Ruskin CD36)	1,471.32	159.52
23 09 23 12-0240	EA	84" x 60" Volume Control Damper (Ruskin CD36)	1,538.59	159.52
23 09 23 12-0241	EA	84" x 64" Volume Control Damper (Ruskin CD36)	1,657.42	175.47
23 09 23 12-0242	EA	84" x 68" Volume Control Damper (Ruskin CD36)	1,744.35	175.47
23 09 23 12-0243	EA	84" x 72" Volume Control Damper (Ruskin CD36)	1,858.70	175.47
23 09 23 12-0244	EA	84" x 76" Volume Control Damper (Ruskin CD36)	2,061.01	175.47
23 09 23 12-0245	EA	84" x 80" Volume Control Damper (Ruskin CD36)	2,061.01	175.47
23 09 23 12-0246	EA	84" x 84" Volume Control Damper (Ruskin CD36)	2,206.40	175.47
23 09 23 12-0247		Low Leakage Rectangular Volume Control Dampers (Ruskin CD50) *(23 09 23 12-0001)*		
23 09 23 12-0248	EA	8" x 8" Low Leakage Volume Control Damper (Ruskin CD50)	305.83	47.86
23 09 23 12-0249	EA	8" x 12" Low Leakage Volume Control Damper (Ruskin CD50)	380.14	47.86
23 09 23 12-0250	EA	8" x 16" Low Leakage Volume Control Damper (Ruskin CD50)	431.39	47.86
23 09 23 12-0251	EA	8" x 20" Low Leakage Volume Control Damper (Ruskin CD50)	470.98	63.81
23 09 23 12-0252	EA	8" x 24" Low Leakage Volume Control Damper (Ruskin CD50)	524.79	63.81

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 12-0253	EA	8" x 28" Low Leakage Volume Control Damper (Ruskin CD50)	573.48	63.81
23 09 23 12-0254	EA	8" x 32" Low Leakage Volume Control Damper (Ruskin CD50)	581.16	63.81
23 09 23 12-0255	EA	8" x 36" Low Leakage Volume Control Damper (Ruskin CD50)	664.32	79.76
23 09 23 12-0256	EA	12" x 8" Low Leakage Volume Control Damper (Ruskin CD50)	305.83	47.86
23 09 23 12-0257	EA	12" x 12" Low Leakage Volume Control Damper (Ruskin CD50)	380.14	47.86
23 09 23 12-0258	EA	12" x 16" Low Leakage Volume Control Damper (Ruskin CD50)	463.29	63.81
23 09 23 12-0259	EA	12" x 20" Low Leakage Volume Control Damper (Ruskin CD50)	470.98	63.81
23 09 23 12-0260	EA	12" x 24" Low Leakage Volume Control Damper (Ruskin CD50)	556.70	79.76
23 09 23 12-0261	EA	12" x 28" Low Leakage Volume Control Damper (Ruskin CD50)	605.39	79.76
23 09 23 12-0262	EA	12" x 32" Low Leakage Volume Control Damper (Ruskin CD50)	613.07	79.76
23 09 23 12-0263	EA	12" x 36" Low Leakage Volume Control Damper (Ruskin CD50)	696.22	95.71
23 09 23 12-0264	EA	16" x 8" Low Leakage Volume Control Damper (Ruskin CD50)	316.08	47.86
23 09 23 12-0265	EA	16" x 12" Low Leakage Volume Control Damper (Ruskin CD50)	429.98	63.81
23 09 23 12-0266	EA	16" x 16" Low Leakage Volume Control Damper (Ruskin CD50)	488.92	63.81
23 09 23 12-0267	EA	16" x 20" Low Leakage Volume Control Damper (Ruskin CD50)	525.95	79.76
23 09 23 12-0268	EA	16" x 24" Low Leakage Volume Control Damper (Ruskin CD50)	584.89	79.76
23 09 23 12-0269	EA	16" x 28" Low Leakage Volume Control Damper (Ruskin CD50)	668.04	95.71
23 09 23 12-0270	EA	16" x 32" Low Leakage Volume Control Damper (Ruskin CD50)	675.72	95.71
23 09 23 12-0271	EA	16" x 36" Low Leakage Volume Control Damper (Ruskin CD50)	739.79	95.71
23 09 23 12-0272	EA	20" x 8" Low Leakage Volume Control Damper (Ruskin CD50)	368.48	63.81
23 09 23 12-0273	EA	20" x 12" Low Leakage Volume Control Damper (Ruskin CD50)	463.29	63.81
23 09 23 12-0274	EA	20" x 16" Low Leakage Volume Control Damper (Ruskin CD50)	556.70	79.76
23 09 23 12-0275	EA	20" x 20" Low Leakage Volume Control Damper (Ruskin CD50)	564.39	79.76
23 09 23 12-0276	EA	20" x 24" Low Leakage Volume Control Damper (Ruskin CD50)	647.54	95.71
23 09 23 12-0277	EA	20" x 28" Low Leakage Volume Control Damper (Ruskin CD50)	714.16	95.71
23 09 23 12-0278	EA	20" x 32" Low Leakage Volume Control Damper (Ruskin CD50)	764.01	111.66
23 09 23 12-0279	EA	20" x 36" Low Leakage Volume Control Damper (Ruskin CD50)	815.26	111.66
23 09 23 12-0280	EA	24" x 8" Low Leakage Volume Control Damper (Ruskin CD50)	388.98	63.81
23 09 23 12-0281	EA	24" x 12" Low Leakage Volume Control Damper (Ruskin CD50)	515.70	79.76
23 09 23 12-0282	EA	24" x 16" Low Leakage Volume Control Damper (Ruskin CD50)	577.20	79.76
23 09 23 12-0283	EA	24" x 20" Low Leakage Volume Control Damper (Ruskin CD50)	619.35	95.71
23 09 23 12-0284	EA	24" x 24" Low Leakage Volume Control Damper (Ruskin CD50)	688.54	95.71
23 09 23 12-0285	EA	24" x 28" Low Leakage Volume Control Damper (Ruskin CD50)	784.51	111.66
23 09 23 12-0286	EA	24" x 32" Low Leakage Volume Control Damper (Ruskin CD50)	797.32	111.66
23 09 23 12-0287	EA	24" x 36" Low Leakage Volume Control Damper (Ruskin CD50)	861.38	111.66
23 09 23 12-0288	EA	28" x 8" Low Leakage Volume Control Damper (Ruskin CD50)	399.23	63.81
23 09 23 12-0289	EA	28" x 12" Low Leakage Volume Control Damper (Ruskin CD50)	533.64	79.76
23 09 23 12-0290	EA	28" x 16" Low Leakage Volume Control Damper (Ruskin CD50)	632.16	95.71
23 09 23 12-0291	EA	28" x 20" Low Leakage Volume Control Damper (Ruskin CD50)	644.97	95.71
23 09 23 12-0292	EA	28" x 24" Low Leakage Volume Control Damper (Ruskin CD50)	751.20	111.66
23 09 23 12-0293	EA	28" x 28" Low Leakage Volume Control Damper (Ruskin CD50)	817.82	111.66
23 09 23 12-0294	EA	28" x 32" Low Leakage Volume Control Damper (Ruskin CD50)	822.94	111.66
23 09 23 12-0295	EA	28" x 36" Low Leakage Volume Control Damper (Ruskin CD50)	904.94	111.66
23 09 23 12-0296	EA	32" x 8" Low Leakage Volume Control Damper (Ruskin CD50)	422.29	63.81
23 09 23 12-0297	EA	32" x 12" Low Leakage Volume Control Damper (Ruskin CD50)	561.83	79.76
23 09 23 12-0298	EA	32" x 16" Low Leakage Volume Control Damper (Ruskin CD50)	675.72	95.71
23 09 23 12-0299	EA	32" x 20" Low Leakage Volume Control Damper (Ruskin CD50)	715.32	111.66
23 09 23 12-0300	EA	32" x 24" Low Leakage Volume Control Damper (Ruskin CD50)	797.32	111.66
23 09 23 12-0301	EA	32" x 28" Low Leakage Volume Control Damper (Ruskin CD50)	858.82	111.66
23 09 23 12-0302	EA	32" x 32" Low Leakage Volume Control Damper (Ruskin CD50)	874.19	111.66
23 09 23 12-0303	EA	32" x 36" Low Leakage Volume Control Damper (Ruskin CD50)	980.40	127.61
23 09 23 12-0304	EA	36" x 8" Low Leakage Volume Control Damper (Ruskin CD50)	477.26	79.76
23 09 23 12-0305	EA	36" x 12" Low Leakage Volume Control Damper (Ruskin CD50)	616.79	95.71
23 09 23 12-0306	EA	36" x 16" Low Leakage Volume Control Damper (Ruskin CD50)	696.22	95.71
23 09 23 12-0307	EA	36" x 20" Low Leakage Volume Control Damper (Ruskin CD50)	735.82	111.66
23 09 23 12-0308	EA	36" x 24" Low Leakage Volume Control Damper (Ruskin CD50)	822.94	111.66
23 09 23 12-0309	EA	36" x 28" Low Leakage Volume Control Damper (Ruskin CD50)	907.51	111.66
23 09 23 12-0310	EA	36" x 32" Low Leakage Volume Control Damper (Ruskin CD50)	944.52	127.61
23 09 23 12-0311	EA	36" x 36" Low Leakage Volume Control Damper (Ruskin CD50)	1,029.08	127.61
23 09 23 12-0312	EA	36" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,103.39	127.61
23 09 23 12-0313	EA	36" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,121.33	127.61
23 09 23 12-0314	EA	36" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,208.45	127.61
23 09 23 12-0315	EA	36" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,287.89	127.61
23 09 23 12-0316	EA	36" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	1,305.83	127.61
23 09 23 12-0317	EA	36" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	1,380.14	127.61
23 09 23 12-0318	EA	36" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	1,457.01	127.61
23 09 23 12-0319	EA	36" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	1,504.30	143.56
23 09 23 12-0320	EA	36" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	1,583.73	143.56
23 09 23 12-0321	EA	36" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	2,153.24	143.56
23 09 23 12-0322	EA	36" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	2,153.24	143.56
23 09 23 12-0323	EA	36" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	2,192.32	143.56
23 09 23 12-0324	EA	40" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,157.20	127.61
23 09 23 12-0325	EA	40" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,172.58	127.61
23 09 23 12-0326	EA	40" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,257.14	127.61
23 09 23 12-0327	EA	40" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,349.39	127.61
23 09 23 12-0328	EA	40" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	1,357.08	127.61
23 09 23 12-0329	EA	40" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	1,473.55	143.56
23 09 23 12-0330	EA	40" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	1,560.67	143.56
23 09 23 12-0331	EA	40" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	1,583.73	143.56
23 09 23 12-0332	EA	40" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	1,670.86	143.56
23 09 23 12-0333	EA	40" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	2,271.75	143.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 12-0334	EA	40" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	2,271.75	143.56
23 09 23 12-0335	EA	40" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	2,305.06	143.56
23 09 23 12-0336	EA	44" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,200.77	127.61
23 09 23 12-0337	EA	44" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,223.83	127.61
23 09 23 12-0338	EA	44" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,310.95	127.61
23 09 23 12-0339	EA	44" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,413.45	127.61
23 09 23 12-0340	EA	44" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	1,453.05	143.56
23 09 23 12-0341	EA	44" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	1,540.17	143.56
23 09 23 12-0342	EA	44" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	1,637.54	143.56
23 09 23 12-0343	EA	44" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	1,660.61	143.56
23 09 23 12-0344	EA	44" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	1,745.17	143.56
23 09 23 12-0345	EA	44" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	2,367.20	143.56
23 09 23 12-0346	EA	44" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	2,367.20	143.56
23 09 23 12-0347	EA	44" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	2,449.71	159.52
23 09 23 12-0348	EA	40" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,157.20	127.61
23 09 23 12-0349	EA	40" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,172.58	127.61
23 09 23 12-0350	EA	40" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,257.14	127.61
23 09 23 12-0351	EA	40" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,349.39	127.61
23 09 23 12-0352	EA	40" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	1,357.08	127.61
23 09 23 12-0353	EA	40" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	1,473.55	143.56
23 09 23 12-0354	EA	40" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	1,560.67	143.56
23 09 23 12-0355	EA	40" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	1,583.73	143.56
23 09 23 12-0356	EA	40" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	1,670.86	143.56
23 09 23 12-0357	EA	40" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	2,271.75	143.56
23 09 23 12-0358	EA	40" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	2,271.75	143.56
23 09 23 12-0359	EA	40" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	2,305.06	143.56
23 09 23 12-0360	EA	44" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,200.77	127.61
23 09 23 12-0361	EA	44" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,223.83	127.61
23 09 23 12-0362	EA	44" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,257.14	127.61
23 09 23 12-0363	EA	44" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,349.39	127.61
23 09 23 12-0364	EA	44" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	1,453.05	143.56
23 09 23 12-0365	EA	44" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	1,540.17	143.56
23 09 23 12-0366	EA	44" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	1,637.54	143.56
23 09 23 12-0367	EA	44" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	1,660.61	143.56
23 09 23 12-0368	EA	44" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	1,745.17	143.56
23 09 23 12-0369	EA	44" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	2,367.20	143.56
23 09 23 12-0370	EA	44" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	2,367.20	143.56
23 09 23 12-0371	EA	44" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	2,449.71	159.52
23 09 23 12-0372	EA	48" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,249.45	127.61
23 09 23 12-0373	EA	48" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,269.95	127.61
23 09 23 12-0374	EA	48" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,369.89	127.61
23 09 23 12-0375	EA	48" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,504.30	143.56
23 09 23 12-0376	EA	48" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	1,524.80	143.56
23 09 23 12-0377	EA	48" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	1,609.36	143.56
23 09 23 12-0378	EA	48" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	1,706.73	143.56
23 09 23 12-0379	EA	48" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	1,724.67	143.56
23 09 23 12-0380	EA	48" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	1,819.48	143.56
23 09 23 12-0381	EA	48" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	2,506.09	159.52
23 09 23 12-0382	EA	48" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	2,506.09	159.52
23 09 23 12-0383	EA	48" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	2,551.57	159.52
23 09 23 12-0384	EA	52" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,403.20	127.61
23 09 23 12-0385	EA	52" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,423.70	127.61
23 09 23 12-0386	EA	52" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,565.80	143.56
23 09 23 12-0387	EA	52" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,688.79	143.56
23 09 23 12-0388	EA	52" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	1,709.29	143.56
23 09 23 12-0389	EA	52" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	1,806.67	143.56
23 09 23 12-0390	EA	52" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	1,911.73	143.56
23 09 23 12-0391	EA	52" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	1,952.73	143.56
23 09 23 12-0392	EA	52" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	2,115.31	159.52
23 09 23 12-0393	EA	52" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	3,588.72	159.52
23 09 23 12-0394	EA	52" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	3,588.72	159.52
23 09 23 12-0395	EA	52" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	3,723.89	159.52
23 09 23 12-0396	EA	56" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,457.01	127.61
23 09 23 12-0397	EA	56" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,514.55	143.56
23 09 23 12-0398	EA	56" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,624.73	143.56
23 09 23 12-0399	EA	56" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,765.67	143.56
23 09 23 12-0400	EA	56" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	1,788.73	143.56
23 09 23 12-0401	EA	56" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	1,893.79	143.56
23 09 23 12-0402	EA	56" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	2,003.98	143.56
23 09 23 12-0403	EA	56" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	2,074.31	159.52
23 09 23 12-0404	EA	56" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	2,181.94	159.52
23 09 23 12-0405	EA	56" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	3,588.72	159.52
23 09 23 12-0406	EA	56" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	3,588.72	159.52
23 09 23 12-0407	EA	56" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	3,723.89	159.52
23 09 23 12-0408	EA	60" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,545.30	143.56
23 09 23 12-0409	EA	60" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,565.80	143.56
23 09 23 12-0410	EA	60" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,696.48	143.56
23 09 23 12-0411	EA	60" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,827.17	143.56
23 09 23 12-0412	EA	60" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	1,852.79	143.56
23 09 23 12-0413	EA	60" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	1,962.98	143.56
23 09 23 12-0414	EA	60" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	2,115.31	159.52

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 12-0415	EA	60" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	2,140.94	159.52
23 09 23 12-0416	EA	60" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	2,271.62	159.52
23 09 23 12-0417	EA	60" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	3,870.59	159.52
23 09 23 12-0418	EA	60" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	3,870.59	159.52
23 09 23 12-0419	EA	60" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	3,915.44	159.52
23 09 23 12-0420	EA	64" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	2,065.47	143.56
23 09 23 12-0421	EA	64" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	2,088.54	143.56
23 09 23 12-0422	EA	64" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	2,296.10	143.56
23 09 23 12-0423	EA	64" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	2,429.34	143.56
23 09 23 12-0424	EA	64" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	2,475.47	143.56
23 09 23 12-0425	EA	64" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	2,655.99	159.52
23 09 23 12-0426	EA	64" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	2,819.99	159.52
23 09 23 12-0427	EA	64" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	2,860.99	159.52
23 09 23 12-0428	EA	64" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	2,996.80	159.52
23 09 23 12-0429	EA	64" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	3,870.59	159.52
23 09 23 12-0430	EA	64" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	3,870.59	159.52
23 09 23 12-0431	EA	64" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	3,947.35	175.47
23 09 23 12-0432	EA	66" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	2,114.16	143.56
23 09 23 12-0433	EA	66" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	2,139.79	143.56
23 09 23 12-0434	EA	66" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	2,337.09	143.56
23 09 23 12-0435	EA	66" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	2,495.97	143.56
23 09 23 12-0436	EA	66" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	2,566.30	159.52
23 09 23 12-0437	EA	66" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	2,722.61	159.52
23 09 23 12-0438	EA	66" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	2,891.74	159.52
23 09 23 12-0439	EA	66" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	2,930.17	159.52
23 09 23 12-0440	EA	66" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	3,101.86	159.52
23 09 23 12-0441	EA	66" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	4,051.25	159.52
23 09 23 12-0442	EA	66" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	4,083.16	175.47
23 09 23 12-0443	EA	66" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	4,161.95	175.47
23 09 23 12-0444	EA	72" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	2,157.72	143.56
23 09 23 12-0445	EA	72" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	2,191.03	143.56
23 09 23 12-0446	EA	72" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	2,383.22	143.56
23 09 23 12-0447	EA	72" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	2,591.93	159.52
23 09 23 12-0448	EA	72" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	2,627.80	159.52
23 09 23 12-0449	EA	72" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	2,791.80	159.52
23 09 23 12-0450	EA	72" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	2,963.48	159.52
23 09 23 12-0451	EA	72" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	2,996.80	159.52
23 09 23 12-0452	EA	72" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	3,176.17	159.52
23 09 23 12-0453	EA	72" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	4,083.16	175.47
23 09 23 12-0454	EA	72" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	4,083.16	175.47
23 09 23 12-0455	EA	72" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	4,161.95	175.47
23 09 23 12-0456	EA	76" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	2,211.53	143.56
23 09 23 12-0457	EA	76" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	2,247.41	143.56
23 09 23 12-0458	EA	76" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	2,471.49	159.52
23 09 23 12-0459	EA	76" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	2,658.55	159.52
23 09 23 12-0460	EA	76" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	2,681.61	159.52
23 09 23 12-0461	EA	76" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	2,860.99	159.52
23 09 23 12-0462	EA	76" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	3,042.92	159.52
23 09 23 12-0463	EA	76" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	3,086.48	159.52
23 09 23 12-0464	EA	76" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	3,300.33	175.47
23 09 23 12-0465	EA	76" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	4,319.54	175.47
23 09 23 12-0466	EA	76" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	4,319.54	175.47
23 09 23 12-0467	EA	76" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	4,387.45	175.47
23 09 23 12-0468	EA	80" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	2,270.47	143.56
23 09 23 12-0469	EA	80" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	2,303.78	143.56
23 09 23 12-0470	EA	80" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	2,525.30	159.52
23 09 23 12-0471	EA	80" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	2,722.61	159.52
23 09 23 12-0472	EA	80" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	2,740.55	159.52
23 09 23 12-0473	EA	80" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	2,930.17	159.52
23 09 23 12-0474	EA	80" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	3,122.36	159.52
23 09 23 12-0475	EA	80" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	3,208.08	175.47
23 09 23 12-0476	EA	80" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	3,395.14	175.47
23 09 23 12-0477	EA	80" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	4,319.54	175.47
23 09 23 12-0478	EA	80" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	4,319.54	175.47
23 09 23 12-0479	EA	80" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	4,387.45	175.47
23 09 23 12-0480	EA	84" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	2,319.16	143.56
23 09 23 12-0481	EA	84" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	2,374.12	159.52
23 09 23 12-0482	EA	84" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	2,568.87	159.52
23 09 23 12-0483	EA	84" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	2,789.24	159.52
23 09 23 12-0484	EA	84" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	2,799.49	159.52
23 09 23 12-0485	EA	84" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	2,978.86	159.52
23 09 23 12-0486	EA	84" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	3,215.77	175.47
23 09 23 12-0487	EA	84" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	3,272.14	175.47
23 09 23 12-0488	EA	84" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	3,461.76	175.47
23 09 23 12-0489	EA	84" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	4,511.09	175.47
23 09 23 12-0490	EA	84" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	4,511.09	175.47
23 09 23 12-0491	EA	84" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	4,612.94	175.47

23 09 23 12-0492 Rectangular Volume Control Dampers (TAMCO) *(23 09 23 12)*
Note: Excludes actuators.

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 12-0493		Air-Foil Control Damper (TAMCO Series 1000) *(23 09 23 12-0492)*		
23 09 23 12-0494	EA	12" x 12" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	238.34	47.86
23 09 23 12-0495	EA	12" x 16" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	286.78	63.81
23 09 23 12-0496	EA	12" x 20" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	303.33	63.81
23 09 23 12-0497	EA	12" x 24" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	370.37	79.76
23 09 23 12-0498	EA	12" x 28" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	380.44	79.76
23 09 23 12-0499	EA	12" x 32" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	390.50	79.76
23 09 23 12-0500	EA	12" x 36" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	438.90	95.71
23 09 23 12-0501	EA	16" x 12" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	272.25	63.81
23 09 23 12-0502	EA	16" x 16" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	274.26	63.81
23 09 23 12-0503	EA	16" x 20" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	342.83	79.76
23 09 23 12-0504	EA	16" x 24" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	379.49	79.76
23 09 23 12-0505	EA	16" x 28" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	425.80	95.71
23 09 23 12-0506	EA	16" x 32" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	459.27	95.71
23 09 23 12-0507	EA	16" x 36" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	492.76	95.71
23 09 23 12-0508	EA	20" x 12" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	308.41	63.81
23 09 23 12-0509	EA	20" x 16" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	342.83	79.76
23 09 23 12-0510	EA	20" x 20" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	368.79	79.76
23 09 23 12-0511	EA	20" x 24" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	442.53	95.71
23 09 23 12-0512	EA	20" x 28" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	484.38	95.71
23 09 23 12-0513	EA	20" x 32" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	558.15	111.66
23 09 23 12-0514	EA	20" x 36" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	600.00	111.66
23 09 23 12-0515	EA	24" x 12" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	310.19	79.76
23 09 23 12-0516	EA	24" x 16" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	360.41	79.76
23 09 23 12-0517	EA	24" x 20" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	427.47	95.71
23 09 23 12-0518	EA	24" x 24" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	474.67	95.71
23 09 23 12-0519	EA	24" x 28" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	553.79	111.66
23 09 23 12-0520	EA	24" x 32" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	601.00	111.66
23 09 23 12-0521	EA	24" x 36" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	648.21	111.66
23 09 23 12-0522	EA	28" x 12" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	341.29	79.76
23 09 23 12-0523	EA	28" x 16" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	422.74	95.71
23 09 23 12-0524	EA	28" x 20" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	466.80	95.71
23 09 23 12-0525	EA	28" x 24" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	553.79	111.66
23 09 23 12-0526	EA	28" x 28" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	608.88	111.66
23 09 23 12-0527	EA	28" x 32" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	663.94	111.66
23 09 23 12-0528	EA	28" x 36" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	719.03	111.66
23 09 23 12-0529	EA	32" x 12" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	367.72	79.76
23 09 23 12-0530	EA	32" x 16" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	456.41	95.71
23 09 23 12-0531	EA	32" x 20" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	538.81	111.66
23 09 23 12-0532	EA	32" x 24" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	601.89	111.66
23 09 23 12-0533	EA	32" x 28" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	664.99	111.66
23 09 23 12-0534	EA	32" x 32" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	728.09	111.66
23 09 23 12-0535	EA	32" x 36" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	823.08	127.61
23 09 23 12-0536	EA	36" x 12" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	404.36	95.71
23 09 23 12-0537	EA	36" x 16" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	475.34	95.71
23 09 23 12-0538	EA	36" x 20" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	578.24	111.66
23 09 23 12-0539	EA	36" x 24" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	618.42	111.66
23 09 23 12-0540	EA	36" x 28" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	684.25	111.66
23 09 23 12-0541	EA	36" x 32" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	781.99	127.61
23 09 23 12-0542	EA	36" x 36" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	847.85	127.61
23 09 23 12-0543		Ultra Low Leakage, Air-Foil Control Damper (TAMCO Series 1500) *(23 09 23 12-0492)*		
23 09 23 12-0544	EA	12" x 12" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	244.37	47.86
23 09 23 12-0545	EA	12" x 16" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	293.46	63.81
23 09 23 12-0546	EA	12" x 20" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	310.68	63.81
23 09 23 12-0547	EA	12" x 24" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	379.19	79.76
23 09 23 12-0548	EA	12" x 28" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	389.60	79.76
23 09 23 12-0549	EA	12" x 32" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	399.99	79.76
23 09 23 12-0550	EA	12" x 36" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	449.06	95.71
23 09 23 12-0551	EA	16" x 12" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	278.28	63.81
23 09 23 12-0552	EA	16" x 16" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	280.29	63.81
23 09 23 12-0553	EA	16" x 20" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	350.37	79.76
23 09 23 12-0554	EA	16" x 24" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	388.53	79.76
23 09 23 12-0555	EA	16" x 28" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	435.16	95.71
23 09 23 12-0556	EA	16" x 32" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	469.99	95.71
23 09 23 12-0557	EA	16" x 36" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	504.81	95.71
23 09 23 12-0558	EA	20" x 12" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	315.94	63.81
23 09 23 12-0559	EA	20" x 16" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	350.37	79.76
23 09 23 12-0560	EA	20" x 20" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	377.14	79.76
23 09 23 12-0561	EA	20" x 24" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	452.58	95.71
23 09 23 12-0562	EA	20" x 28" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	496.11	95.71
23 09 23 12-0563	EA	20" x 32" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	571.53	111.66
23 09 23 12-0564	EA	20" x 36" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	615.07	111.66
23 09 23 12-0565	EA	24" x 12" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	316.21	79.76
23 09 23 12-0566	EA	24" x 16" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	368.45	79.76
23 09 23 12-0567	EA	24" x 20" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	439.18	95.71
23 09 23 12-0568	EA	24" x 24" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	488.74	95.71
23 09 23 12-0569	EA	24" x 28" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	570.21	111.66
23 09 23 12-0570	EA	24" x 32" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	619.75	111.66

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 12-0571	EA	24" x 36" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	669.31	111.66
23 09 23 12-0572	EA	28" x 12" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	350.31	79.76
23 09 23 12-0573	EA	28" x 16" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	434.24	95.71
23 09 23 12-0574	EA	28" x 20" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	480.48	95.71
23 09 23 12-0575	EA	28" x 24" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	570.21	111.66
23 09 23 12-0576	EA	28" x 28" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	628.00	111.66
23 09 23 12-0577	EA	28" x 32" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	685.82	111.66
23 09 23 12-0578	EA	28" x 36" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	743.64	111.66
23 09 23 12-0579	EA	32" x 12" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	377.55	79.76
23 09 23 12-0580	EA	32" x 16" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	468.91	95.71
23 09 23 12-0581	EA	32" x 20" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	553.67	111.66
23 09 23 12-0582	EA	32" x 24" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	619.75	111.66
23 09 23 12-0583	EA	32" x 28" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	685.82	111.66
23 09 23 12-0584	EA	32" x 32" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	751.89	111.66
23 09 23 12-0585	EA	32" x 36" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	849.85	127.61
23 09 23 12-0586	EA	36" x 12" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	414.41	95.71
23 09 23 12-0587	EA	36" x 16" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	488.74	95.71
23 09 23 12-0588	EA	36" x 20" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	594.98	111.66
23 09 23 12-0589	EA	36" x 24" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	669.31	111.66
23 09 23 12-0590	EA	36" x 28" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	743.64	111.66
23 09 23 12-0591	EA	36" x 32" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	849.85	127.61
23 09 23 12-0592	EA	36" x 36" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	924.18	127.61
23 09 23 12-0593		**Thermally Insulated Damper (TAMCO Series 9000)** *(23 09 23 12-0492)*		
23 09 23 12-0594	EA	12" x 12" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	284.55	47.86
23 09 23 12-0595	EA	12" x 16" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	338.04	63.81
23 09 23 12-0596	EA	12" x 20" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	359.64	63.81
23 09 23 12-0597	EA	12" x 24" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	437.95	79.76
23 09 23 12-0598	EA	12" x 28" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	450.61	79.76
23 09 23 12-0599	EA	12" x 32" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	463.27	79.76
23 09 23 12-0600	EA	12" x 36" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	516.86	95.71
23 09 23 12-0601	EA	16" x 12" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	318.46	63.81
23 09 23 12-0602	EA	16" x 16" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	320.46	63.81
23 09 23 12-0603	EA	16" x 20" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	400.59	79.76
23 09 23 12-0604	EA	16" x 24" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	448.80	79.76
23 09 23 12-0605	EA	16" x 28" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	497.66	95.71
23 09 23 12-0606	EA	16" x 32" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	541.41	95.71
23 09 23 12-0607	EA	16" x 36" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	585.16	95.71
23 09 23 12-0608	EA	20" x 12" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	366.17	63.81
23 09 23 12-0609	EA	20" x 16" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	400.59	79.76
23 09 23 12-0610	EA	20" x 20" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	432.95	79.76
23 09 23 12-0611	EA	20" x 24" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	519.53	95.71
23 09 23 12-0612	EA	20" x 28" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	574.24	95.71
23 09 23 12-0613	EA	20" x 32" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	660.83	111.66
23 09 23 12-0614	EA	20" x 36" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	715.51	111.66
23 09 23 12-0615	EA	24" x 12" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	356.39	79.76
23 09 23 12-0616	EA	24" x 16" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	422.02	79.76
23 09 23 12-0617	EA	24" x 20" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	506.15	95.71
23 09 23 12-0618	EA	24" x 24" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	569.09	95.71
23 09 23 12-0619	EA	24" x 28" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	663.94	111.66
23 09 23 12-0620	EA	24" x 32" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	726.90	111.66
23 09 23 12-0621	EA	24" x 36" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	789.84	111.66
23 09 23 12-0622	EA	28" x 12" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	401.85	79.76
23 09 23 12-0623	EA	28" x 16" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	499.85	95.71
23 09 23 12-0624	EA	28" x 20" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	558.61	95.71
23 09 23 12-0625	EA	28" x 24" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	663.94	111.66
23 09 23 12-0626	EA	28" x 28" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	737.39	111.66
23 09 23 12-0627	EA	28" x 32" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	810.81	111.66
23 09 23 12-0628	EA	28" x 36" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	884.26	111.66
23 09 23 12-0629	EA	32" x 12" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	436.49	79.76
23 09 23 12-0630	EA	32" x 16" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	543.92	95.71
23 09 23 12-0631	EA	32" x 20" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	642.97	111.66
23 09 23 12-0632	EA	32" x 24" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	726.90	111.66
23 09 23 12-0633	EA	32" x 28" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	810.81	111.66
23 09 23 12-0634	EA	32" x 32" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	894.74	111.66
23 09 23 12-0635	EA	32" x 36" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	1,010.57	127.61
23 09 23 12-0636	EA	36" x 12" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	474.67	95.71
23 09 23 12-0637	EA	36" x 16" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	569.09	95.71
23 09 23 12-0638	EA	36" x 20" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	695.42	111.66
23 09 23 12-0639	EA	36" x 24" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	788.49	111.66
23 09 23 12-0640	EA	36" x 28" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	882.69	111.66
23 09 23 12-0641	EA	36" x 32" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	1,008.78	127.61
23 09 23 12-0642	EA	36" x 36" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	1,102.98	127.61
23 09 23 12-0643		**Thermally Broken Frame Damper (TAMCO Series 9000 BF)** *(23 09 23 12-0492)*		
23 09 23 12-0644	EA	12" x 12" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	318.70	47.86
23 09 23 12-0645	EA	12" x 16" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	375.93	63.81
23 09 23 12-0646	EA	12" x 20" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	401.26	63.81
23 09 23 12-0647	EA	12" x 24" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	487.89	79.76

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 12-0648	EA	12" x 28" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	502.48	79.76
23 09 23 12-0649	EA	12" x 32" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	517.06	79.76
23 09 23 12-0650	EA	12" x 36" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	574.50	95.71
23 09 23 12-0651	EA	16" x 12" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	352.61	63.81
23 09 23 12-0652	EA	16" x 16" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	354.62	63.81
23 09 23 12-0653	EA	16" x 20" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	443.28	79.76
23 09 23 12-0654	EA	16" x 24" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	500.03	79.76
23 09 23 12-0655	EA	16" x 28" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	550.79	95.71
23 09 23 12-0656	EA	16" x 32" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	602.12	95.71
23 09 23 12-0657	EA	16" x 36" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	653.47	95.71
23 09 23 12-0658	EA	20" x 12" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	408.86	63.81
23 09 23 12-0659	EA	20" x 16" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	443.28	79.76
23 09 23 12-0660	EA	20" x 20" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	480.38	79.76
23 09 23 12-0661	EA	20" x 24" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	576.47	95.71
23 09 23 12-0662	EA	20" x 28" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	640.63	95.71
23 09 23 12-0663	EA	20" x 32" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	736.72	111.66
23 09 23 12-0664	EA	20" x 36" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	800.89	111.66
23 09 23 12-0665	EA	24" x 12" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	390.54	79.76
23 09 23 12-0666	EA	24" x 16" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	467.54	79.76
23 09 23 12-0667	EA	24" x 20" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	546.33	95.71
23 09 23 12-0668	EA	24" x 24" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	617.31	95.71
23 09 23 12-0669	EA	24" x 28" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	720.19	111.66
23 09 23 12-0670	EA	24" x 32" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	791.19	111.66
23 09 23 12-0671	EA	24" x 36" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	862.16	111.66
23 09 23 12-0672	EA	28" x 12" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	432.79	79.76
23 09 23 12-0673	EA	28" x 16" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	539.22	95.71
23 09 23 12-0674	EA	28" x 20" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	605.47	95.71
23 09 23 12-0675	EA	28" x 24" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	720.19	111.66
23 09 23 12-0676	EA	28" x 28" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	803.02	111.66
23 09 23 12-0677	EA	28" x 32" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	885.83	111.66
23 09 23 12-0678	EA	28" x 36" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	968.63	111.66
23 09 23 12-0679	EA	32" x 12" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	471.84	79.76
23 09 23 12-0680	EA	32" x 16" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	588.92	95.71
23 09 23 12-0681	EA	32" x 20" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	696.55	111.66
23 09 23 12-0682	EA	32" x 24" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	791.19	111.66
23 09 23 12-0683	EA	32" x 28" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	885.83	111.66
23 09 23 12-0684	EA	32" x 32" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	980.46	111.66
23 09 23 12-0685	EA	32" x 36" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	1,106.99	127.61
23 09 23 12-0686	EA	36" x 12" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	510.84	95.71
23 09 23 12-0687	EA	36" x 16" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	617.31	95.71
23 09 23 12-0688	EA	36" x 20" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	755.69	111.66
23 09 23 12-0689	EA	36" x 24" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	860.81	111.66
23 09 23 12-0690	EA	36" x 28" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	967.07	111.66
23 09 23 12-0691	EA	36" x 32" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	1,105.21	127.61
23 09 23 12-0692	EA	36" x 36" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	1,211.46	127.61

23 09 23 12-0693 Rectangular Galvanized Volume Control Dampers *(23 09 23 12)*

Note: Excludes actuators.

23 09 23 12-0694	EA	8" x 8" Low Leakage Volume Control Damper (Johnson Controls VOPSN-008X008)	218.25	39.56
23 09 23 12-0695	EA	10" x 10" Low Leakage Volume Control Damper (Johnson Controls VOPSN-010X010)	246.22	43.39
23 09 23 12-0696	EA	12" x 12" Low Leakage Volume Control Damper (Johnson Controls VOPSN-012X012)	275.43	47.86
23 09 23 12-0697	EA	14" x 14" Low Leakage Volume Control Damper (Johnson Controls VOPSN-014X014)	318.31	56.15
23 09 23 12-0698	EA	16" x 16" Low Leakage Volume Control Damper (Johnson Controls VOPSN-016X016)	359.91	63.81
23 09 23 12-0699	EA	18" x 18" Low Leakage Volume Control Damper (Johnson Controls VOPSN-018X018)	362.71	71.79
23 09 23 12-0700	EA	20" x 20" Low Leakage Volume Control Damper (Johnson Controls VOPSN-020X020)	446.64	79.76
23 09 23 12-0701	EA	24" x 24" Low Leakage Volume Control Damper (Johnson Controls VOPSN-024X024)	533.31	95.71
23 09 23 12-0702	EA	32" x 32" Low Leakage Volume Control Damper (Johnson Controls VOPSN-032X032)	686.86	111.66
23 09 23 12-0703	EA	48" x 48" Low Leakage Volume Control Damper (Johnson Controls VOPSN-048X048)	1,026.65	127.61
23 09 23 12-0704	EA	60" x 60" Low Leakage Volume Control Damper (Johnson Controls VOPSN-060X060)	1,899.04	143.56
23 09 23 12-0705	EA	72" x 72" Low Leakage Volume Control Damper (Johnson Controls VOPSN-072X072)	2,416.38	159.52

23 09 23 12-0706 Round Galvanized Control Dampers *(23 09 23 12)*

Note: Excludes actuators.

23 09 23 12-0707	EA	6" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG06)	210.95	44.67
23 09 23 12-0708	EA	8" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG08)	217.45	47.86
23 09 23 12-0709	EA	10" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG10)	227.20	47.86
23 09 23 12-0710	EA	12" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG12)	252.02	54.24
23 09 23 12-0711	EA	14" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG14)	288.17	54.24
23 09 23 12-0712	EA	16" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG16)	311.70	63.81
23 09 23 12-0713	EA	18" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG18)	419.11	67.16
23 09 23 12-0714	EA	20" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG20)	438.30	69.61
23 09 23 12-0715	EA	22" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG22)	464.86	75.05
23 09 23 12-0716	EA	24" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG24)	491.97	80.48

23 09 23 12-0717 Remote Damper Control *(23 09 23 12)*

23 09 23 12-0718	EA	Remote Cable Control Concealed Ceiling Regulator For Damper (Young Regulator Co. 270-301B)	308.39	
		For Each 10' Flexible Casing And Wire, Add	*42.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 12-0719	EA	Remote Cable Control Concealed Ceiling Regulator For Damper (Young Regulator Co. 270-275B)	299.68	
		For Each 10' Flexible Casing And Wire, Add	*42.60*	
23 09 23 12-0720	EA	Remote Rack And Pinion Operator For Damper Bowden Remote Cable Control (Young Regulator Co. 270-275-PH)	300.64	
		Note: Includes extended control shaft adjustment with Philips screwdriver		
		For Each 10' Flexible Casing And Wire, Add	*42.60*	

23 09 23 12-0721 Control Damper Actuators *(23 09 23 12)*

23 09 23 12-0722	EA	44 IN-Lb., 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo LMB24-SR)	554.12	105.43
23 09 23 12-0723	EA	90 IN-Lb., 24 Volt AC/DC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo NMB24-SR)	601.19	105.43
23 09 23 12-0724	EA	90 IN-Lb., 2 Position, 24 To 240 Volt AC Spring Return Direct Coupled Control Damper Actuator (Belimo NFBUP)	678.30	105.43
23 09 23 12-0725	EA	175 IN-Lb., 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo AMB24-SR)	715.15	105.43
23 09 23 12-0726	EA	90 IN-Lb., 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Spring Return Direct Coupled Control Damper Actuator (Belimo NFB24-SR)	737.01	105.43
23 09 23 12-0727	EA	360 IN-Lb., 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo GMB24-SR)	822.98	105.43

23 09 23 13 Energy Meters *(23 09 23)*

23 09 23 13-0001 Surge Protectors *(23 09 23 13)*

23 09 23 13-0002	EA	Surge Protector, T100's, Summit, BCU, UPCM, PCM, TCM (Transtector TR2255)	365.48	10.10
23 09 23 13-0003	EA	Surge Protector, 1AC Outlet (Transtector TR2251)	275.71	10.10
23 09 23 13-0004	EA	Surge Protector, 2 AC Outlets (Transtector TR2254)	430.18	10.10
23 09 23 13-0005	EA	Surge Protector, DB-15 Connection (Transtector TR2259-DLP15)	231.88	10.10
23 09 23 13-0006	EA	Surge Protector, DB-25 Connection (Transtector TR2259-DLP25)	231.88	10.10
23 09 23 13-0007	EA	Surge Protector, DB-9 Connection (Transtector TR2259-DLP9)	231.88	10.10
23 09 23 13-0008	EA	Surge Protector, Individual Wire Connection (Transtector TR2258)	336.27	10.10
23 09 23 13-0009	EA	Surge Protector, Trane Communication Links (Transtector TR2257)	206.82	10.10

23 09 23 14 Flow Instruments *(23 09 23)*

23 09 23 14-0001 Water Flow Meters *(23 09 23 14)*

23 09 23 14-0002	EA	Insertion Electromagnetic Water Flow Meter (Onicon F-3500) Note: Excludes pipe fittings.	5,455.91	103.48

23 09 23 14-0003 Air Flow Monitoring Stations *(23 09 23 14)*

23 09 23 14-0004	EA	Analog Transmitter, 2 Point, 3 Sensor Air Flow Monitoring Station (Ebtron GTA116) Note: 10' cable, 36" x 24" typical duct size.	4,293.94	122.51
23 09 23 14-0005	EA	Analog Transmitter, 3 Point, 4 Sensor Air Flow Monitoring Station (Ebtron GTA116) Note: 10' cable, 48" x 36" typical duct size.	6,168.54	122.51
23 09 23 14-0006	EA	Analog Transmitter, 4 Point, 4 Sensor Air Flow Monitoring Station (Ebtron GTA116) Note: 10' cable, 60" x 48" typical duct size.	7,678.93	122.51

23 09 23 16 Gas Instruments *(23 09 23)*

23 09 23 16-0001 Gas Sensors *(23 09 23 16)*

23 09 23 16-0002	EA	6-1/4" x 6-1/8" CO2 Sensor, 0-2,000 ppm (Kele WCO-1B)	2,268.80	60.60
23 09 23 16-0003	EA	Wall Mounted CO2 Sensor, 0-2,000 ppm With LCD Display (Kele CD-AW-LCD)	1,001.00	40.41
23 09 23 16-0004	EA	CO Monitor/Transmitter, 0 To 250 ppm (Kele GMT-CO-S2) Note: Solid state sensor.	1,802.03	60.60
23 09 23 16-0005	EA	CO2 Transmitter, Duct Mount, No Display, 0-10 Volt DC Out, 24 Volt AC/Volt DC, 0-10 Or 4-20mA, 0-2,000 ppm Range With CD-AD Duct Probe Assembly (CDE CD-AD-LCD; CD-AD)	974.97	72.73

23 09 23 19 Moisture Instruments *(23 09 23)*

23 09 23 19-0001 Relative Humidity Sensors *(23 09 23 19)*

23 09 23 19-0002	EA	3% Duct Mounted RH Sensor (Kele HD30K)	604.89	72.73
23 09 23 19-0003	EA	10K Ohm Thermistor 3% Duct Mounted RH Sensor (Kele HD30K-T3)	621.57	72.73
23 09 23 19-0004	EA	3% RH Outdoor Air Sensor (Kele HO30K)	702.16	101.01
23 09 23 19-0005	EA	2% Surface Mounted RH Transmitter (Kele HW20K)	549.56	40.41

23 09 23 21 Motion Instruments *(23 09 23)*

23 09 23 21-0001 Peco Motion Sensors *(23 09 23 21)*

23 09 23 21-0002	EA	Ceiling Mount Passive Infrared, 24 Volt, Slave Motion Sensor (Peco SA200-001)	200.13	28.40
23 09 23 21-0003	EA	Wall/Ceiling Mount Passive Infrared, 24 Volt, Slave Motion Sensor (Peco SB200-001)	196.16	28.40
23 09 23 21-0004	EA	Wall/Ceiling Passive Infrared, 24 Volt, Master Motion Sensor (Peco SD200-001)	262.89	28.40
23 09 23 21-0005	EA	Wall/Ceiling Mount, Passive Infrared, 24 Volt, Master Time Sensor (Peco SD200-002)	233.44	28.40
23 09 23 21-0006	EA	Door Switch Occupancy Sensor (Peco SE200-001)	71.61	28.40
23 09 23 21-0007	EA	Window Switch Occupancy Sensor (Peco SE200-002)	66.12	28.40
23 09 23 21-0008	EA	Power Pack And Controller (Peco SF200-001)	122.55	28.40

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 09 23 23 Pressure Instruments *(23 09 23)*

23 09 23 23-0001 Pressure Sensors *(23 09 23 23)*

23 09 23 23-0002	EA	0 To 0.5" W.C., Differential Pressure Transmitters With NEMA 1 Case (Kele T30-005)	807.72	85.30
23 09 23 23-0003	EA	0 To 5" W.C., Differential Pressure Transmitters With NEMA 1 Case (Kele T30-050)	718.15	85.30
23 09 23 23-0004	EA	0.05 To 12" W.C., Adjustable Differential Pressure Switches (Kele AFS-222)	284.71	85.30
23 09 23 23-0005	EA	0.05 To 2" W.C., Adjustable Differential Pressure Switches (Kele AFS-262)	295.11	85.30
23 09 23 23-0006	EA	0.4 To 2" W.C., Manual Reset Adjustable Differential Pressure Switches (Kele AFS-460)	315.48	85.30
23 09 23 23-0007	EA	0.05 To 12" W.C., 1/8" NPT, Adjustable Differential Pressure Switches (Kele AFS-145)	292.10	85.30
23 09 23 23-0008	EA	0 To 100 psid, Bypass Valve Assembly Option, Water Differential Pressure Transmitter (Kele 360C-P210D-BVA) Note: Excludes pipe fittings.	2,989.37	85.30
23 09 23 23-0009	EA	0 To 60 psid, Bypass Valve Assembly Option, Water Differential Pressure Transmitter (Kele 360C-P160D-BVA) Note: Excludes pipe fittings.	2,989.37	85.30
23 09 23 23-0010	EA	Magnahelic Gauge	775.68	52.15

23 09 23 27 Temperature Instruments *(23 09 23)*

23 09 23 27-0001 Air Temperature Sensors *(23 09 23 27)*

23 09 23 27-0002	EA	10K Ohm Thermistor Duct Temperature Sensor (Kele ST-D24)	220.75	72.73
23 09 23 27-0003	EA	10K Ohm Thermistor Duct Temperature Sensor, 1/2" LB Conduit Fitting (Kele ST-D24-XCO)	310.33	72.73
23 09 23 27-0004	EA	10K Ohm Thermistor Duct Temperature Sensor With Greenfield Fitting (Kele ST-D24-XG)	231.06	72.73
23 09 23 27-0005	EA	10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing (Kele ST-D24-XH)	241.62	72.73
23 09 23 27-0006	EA	10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing, 18" Probe (Kele ST-D24-XH-XL18)	245.14	72.73
23 09 23 27-0007	EA	10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing, 6" Probe (Kele ST-D24-XH-XL6)	241.67	72.73
23 09 23 27-0008	EA	10K Ohm Thermistor Duct Temperature Sensor With Non-Metallic Handibox Housing (Kele ST-D24-XHP)	243.53	72.73
23 09 23 27-0009	EA	10K Ohm Thermistor Duct Temperature Sensor With 4" Probe (Kele ST-D24-XL4)	261.33	72.73
23 09 23 27-0010	EA	10K Ohm Thermistor Duct Temperature Sensor With Weatherproof Housing (Kele ST-D24-XW)	276.88	72.73
23 09 23 27-0011	EA	10K Ohm Thermistor Outdoor Air Temperature Sensor (Kele ST-O24)	334.88	101.01
23 09 23 27-0012	EA	10K Ohm Thermistor Outdoor Air Temperature Sensor With 25' Lead (Kele ST-O24-XC25)	346.85	101.01
23 09 23 27-0013	EA	Delta Style Surface Mounted 10K Ohm Thermistor Room Temperature Sensor (Kele BA/10K3-R-N-DF)	151.61	40.41
23 09 23 27-0014	EA	Delta Style Surface Mounted AD592 Room Temperature Sensor (Kele BA/592-10K-R)	156.01	40.41
23 09 23 27-0015	EA	Stainless Steel Plate 1K Ohm Room Temperature Sensor (Kele BA/1K8-SP)	144.46	40.41

23 09 23 27-0016 Water Temperature Sensors *(23 09 23 27)*

23 09 23 27-0017	EA	5" Immersion 20K Ohm Water Temp Sensor (Honeywell C7041D2001)	178.09	78.16
23 09 23 27-0018	EA	Strap-On 20K Ohm Water Temp Sensor (Honeywell C7041K2005)	403.36	78.16

23 09 23 27-0019 Peco Thermostats *(23 09 23 27)*

23 09 23 27-0020	EA	3 Heating Stage, 2 Cooling Stage Programmable Thermostat With Humidification/Dehumidification Control (Peco T12532-IAQ)	419.21	18.94
23 09 23 27-0021	EA	3 Heating Stage, 2 Cooling Stage Programmable Thermostat (Peco T12532-001)	373.57	18.94

23 09 23 53 Proprietary Control Systems *(23 09 23)*

23 09 23 53-0001 EMCS General Costs *(23 09 23 53)*

23 09 23 53-0002 EMCS System Design Services *(23 09 23 53-0001)*

Note: Hourly labor rates for use with Site Inspection, Project Management, Engineering, Design, Programming, Training and Technical Support.

23 09 23 53-0003	HR	EMCS Site Inspection Of Existing Facilities	233.59	
23 09 23 53-0004	HR	EMCS Engineering Project Management	233.59	
23 09 23 53-0005	HR	EMCS System Engineering, Schematic Design And Layout	246.22	
23 09 23 53-0006	HR	EMCS System Software Programming And Graphics Programming	202.03	
23 09 23 53-0007	HR	EMCS Graphics Picture Creation	211.49	
23 09 23 53-0008	HR	EMCS System Controls Training	220.97	
23 09 23 53-0009	HR	EMCS On Site System Diagnostics Field Technician	227.28	
23 09 23 53-0010	HR	EMCS Remote Technical Support Using Phone Or Internet	195.71	
23 09 23 53-0011	HR	EMCS Travel Time (All Personnel)	189.40	

23 09 23 53-0012 Field Tests, Checkout And Commissioning *(23 09 23 53-0001)*

Note: A point is defined as any transmitter, switch, actuator, sensor or device (starter, VFD, controller, fan, electric coil, actuator, valve, etc.) that is monitored or controlled by the EMCS system. Most devices count as 1 point. Actuators, valves and thermostats count as 2 points.

23 09 23 53-0013	PNT	EMCS Field Test Note: Priced per point.	165.78	
23 09 23 53-0014	PNT	EMCS Field Checkout And Startup Note: Priced per point.	165.78	
23 09 23 53-0015	PNT	EMCS Field Commissioning Note: Priced per point.	165.78	
23 09 23 53-0016	EA	EMCS Field Balance Support Note: Priced per controller.	142.04	

23 09 23 53-0017 EMCS System Engineering/Submittal Design And Layout *(23 09 23 53-0001)*

Note: A point is defined as any transmitter, switch, actuator, sensor or device (starter, VFD, controller, fan, electric coil, actuator, valve, etc.) that is monitored or controlled by the EMCS system. Most devices count as 1 point. Actuators, valves and thermostats count as 2 points.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0018	PNT	EMCS System Engineering/Submittal Design And Layout Note: Priced per point.	55.30	

23 09 23 53-0019 Alerton Controls *(23 09 23 53)*

23 09 23 53-0020	EA	50 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-SMALL)	9,889.03	
23 09 23 53-0021	EA	150 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-MEDIUM)	12,684.53	
23 09 23 53-0022	EA	Dashboard Option, 150 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-MEDIUM)	31,992.86	
23 09 23 53-0023	EA	Unlimited Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-LARGE)	24,017.68	
23 09 23 53-0024	EA	Dashboard Option, Unlimited Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-LARGE)	61,794.83	
23 09 23 53-0025	EA	Unlimited Devices, SQL Derver Interface, Unlimited WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-ENTERPRISE)	48,748.28	
23 09 23 53-0026	EA	Dashboard Option, Unlimited Devices, SQL Derver Interface, Unlimited WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-ENTERPRISE)	74,387.20	
23 09 23 53-0027	EA	Alerton Building Suite Tech License (Alerton ABS-3-TECH)	2,072.67	
23 09 23 53-0028	EA	Enterprise Edition With SQL Server Support, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-ENT1)	28,265.51	
23 09 23 53-0029	EA	Unlimited Controllers, Unlimited Workstation, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-LRG)	20,697.48	
23 09 23 53-0030	EA	150 Controllers, 3 Workstation, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-MED)	12,625.78	
23 09 23 53-0031	EA	50 Controllers, 1 Workstation, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-SM)	7,828.06	
23 09 23 53-0032	EA	10 Controllers, 1 Workstation, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-XS)	3,030.46	
23 09 23 53-0033	EA	1 Ethernet, 1 MS/TP, BACtalk Control Module (Alerton 715000100)	5,376.85	303.04
23 09 23 53-0034	EA	Foreign Protocol Converter For P1 Systems, BACtalk Control Module (Alerton BCM-FPCS)	7,931.95	404.05
23 09 23 53-0035	EA	Modbus Gateway, BACtalk Control Module (Alerton BCM-MDBS)	7,829.53	404.05
23 09 23 53-0036	EA	V.90/56K Modem, BACtalk Control Module (Alerton BCM-MDM)	2,900.34	303.04
23 09 23 53-0037	EA	1 MS/TP, BACtalk Control Module (Alerton 715000300)	3,500.58	303.04
23 09 23 53-0038	EA	Power Supply, BACtalk Control Module (Alerton BCM-PWS)	2,715.64	303.04
23 09 23 53-0039	EA	1 TUX Trunk, BACtalk Control Module (Alerton BCM-TUX)	3,362.91	303.04
23 09 23 53-0040	EA	Web Server And Configurator CD, BACtalk Control Module (Alerton BCM-WEB)	7,870.14	303.04
23 09 23 53-0041	EA	BACtalk Field Level Gateway For Modbus (Alerton FLG-MODBUS)	3,661.45	404.05
23 09 23 53-0042	EA	EXP BACnet Controller (Alerton VLX)	8,032.27	808.10
23 09 23 53-0043	EA	VLX BACnet High Performance Controller (Alerton VLX-PLATINUM)	9,346.09	808.10
23 09 23 53-0044	EA	Multiple Segment MS/TP Repeater (Alerton MSTP-REP)	1,229.77	89.97
23 09 23 53-0045	EA	4 Inputs, 2 Flow Transducers, 4 Ground-Switching Binary Triac Outputs, Dual-Duct VAV Controller (Alerton VAV-DD)	2,375.66	303.04
23 09 23 53-0046	EA	4 Inputs, 2 Flow Transducers, 3 Binary Triac Outputs, 4 Ground-Switching Binary Triac Outputs, Dual-Duct VAV Controller (Alerton VAV-DD7)	2,514.18	303.04
23 09 23 53-0047	EA	4 Inputs, 1 Flow Transducers, 3 Hot-Switching Binary Triac Outputs, 2 Ground-Switching Binary Triac Outputs, Single-Duct VAV Controller (Alerton VAV-SD)	2,035.67	303.04
23 09 23 53-0048	EA	4 Universal Inputs, 5 Binary Outputs, 2 Analog Outputs, Single-Duct VAV Controller (Alerton VAV-SD2A)	2,228.76	303.04
23 09 23 53-0049	EA	5 Universal Inputs, 6 Binary Outputs, Integral Honeywell Actuator, Single-Duct VAV Controller (Alerton VAViH-SD)	2,220.36	303.04
23 09 23 53-0050	EA	11 Inputs, 8 Binary Triac Outputs, 8 Analog Outputs, BACtalk Field Controller For Central Plant Systems (Alerton VLC-1188)	3,328.49	303.04
23 09 23 53-0051	EA	16 Inputs, BACtalk Field Controller (Alerton VLC-1600)	2,565.39	303.04
23 09 23 53-0052	EA	16 Inputs, 16 Binary Triac Outputs, BACtalk Field Controller (Alerton VLC-16160)	3,841.96	404.05
23 09 23 53-0053	EA	4 Universal Inputs, 4 Binary Outputs, 4 Analog Outputs, Field Controller (Alerton VLC-444)	1,704.40	202.03
23 09 23 53-0054	EA	5 Inputs, 5 Binary Outputs, BACtalk Field Controller (Alerton VLC-550)	1,648.98	202.03
23 09 23 53-0055	EA	6 Inputs, 2 Binary Triac Outputs, 3 Isolated Relay Outputs, BACtalk Field Controller (Alerton VLC-651R)	2,241.34	303.04
23 09 23 53-0056	EA	6 Inputs, 3 Binary Triac Outputs, 3 Isolated Relay Outputs, BACtalk Field Controller (Alerton VLC-660R)	2,241.34	303.04
23 09 23 53-0057	EA	8 Inputs, 5 Binary Triac Outputs, 3 Analog Outputs, BACtalk Field Controller (Alerton VLC-853)	2,688.79	303.04
23 09 23 53-0058	EA	16 Universal Inputs, 8 Binary Outputs, 8 Analog Outputs, Field Controller (Alerton VLCA-1688)	5,311.91	404.05
23 09 23 53-0059	EA	2 Fixed Inputs, 3 Universal Inputs, 6 Binary Outputs, 2 Analog Outputs, VisualLogic Display Controller (Alerton VLD-362)	2,321.09	303.04
23 09 23 53-0060	EA	Wireless Door Contact Sensor (Alerton AL-OC-DS)	156.38	11.36
23 09 23 53-0061	EA	One-Speed BACtalk Microset Wall Sensor (Alerton MS-1010-BT)	254.10	11.36
23 09 23 53-0062	EA	One-Speed BACtalk Microset Wall Sensor With RH Sensor (Alerton MS-1010H-BT)	650.33	11.36
23 09 23 53-0063	EA	Three-Speed BACtalk Microset Wall Sensor (Alerton MS-1030-BT)	650.33	11.36
23 09 23 53-0064	EA	Three-Speed BACtalk Microset Wall Sensor With RH Sensor (Alerton MS-1030H-BT)	505.96	11.36
23 09 23 53-0065	EA	BACnet-Compliant Wall Sensor (Alerton TS-1050-BT)	170.16	11.36
23 09 23 53-0066	EA	Wireless Temperature And Humidity Sensor (Alerton WTS-1000-KIT)	686.44	11.36
23 09 23 53-0067	EA	Wireless Temperature And Humidity Sensor With Temperature Adjustment Knob And Manual Override (Alerton WTS-1050-KIT)	770.40	11.36
23 09 23 53-0068	EA	10 12-Bit Inputs, 12 Binary Triac Outputs Expansion Module (Alerton EXP-10-12-0)	3,320.10	303.04
23 09 23 53-0069	EA	10 12-Bit Inputs, 4 Binary Triac Outputs Expansion Module (Alerton EXP-10-4-8)	3,526.60	303.04
23 09 23 53-0070	EA	22 12-Bit Inputs Expansion Module (Alerton EXP-22-0-0)	3,348.64	303.04
23 09 23 53-0071	EA	50 Devices, Ascent Compass 1 Software, Small License (Alerton Compass-1-SM)	10,938.09	
23 09 23 53-0072	EA	Global Controller Base Unit (Alerton ACM)	5,963.26	303.04
23 09 23 53-0073	EA	External Battery Pack For ACM (Alerton ACM-BATT)	1,295.30	168.56
23 09 23 53-0074	EA	Licenses The ACM For Capacity Of 32 Directly Connected Devices (Alerton ACM032)	1,071.31	
23 09 23 53-0075	EA	Microset 4 Wall Sensor (Alerton MS4-THC)	1,225.92	11.36

23 09 23 53-0076 Automated Logic Controls *(23 09 23 53)*

23 09 23 53-0077	EA	0 Digital Outputs, 8 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M0100)	3,737.04	303.04
23 09 23 53-0078	EA	0 Digital Outputs, 32 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M0320)	8,391.08	909.12
23 09 23 53-0079	EA	2 Digital Outputs, 2 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M220nx)	2,591.93	303.04
23 09 23 53-0080	EA	4 Digital Outputs, 10 Universal Inputs, 6 Analog Outputs Standalone Control Module (Automated Logic M4106nx)	5,438.49	404.05
23 09 23 53-0081	EA	8 Digital Outputs, 10 Universal Inputs, 2 Analog Outputs Standalone Control Module (Automated Logic M8102nx)	5,353.03	404.05
23 09 23 53-0082	EA	16 Digital Outputs, 16 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M16160)	8,655.11	808.10
23 09 23 53-0083	EA	8 Digital Outputs, 8 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M880nx)	4,797.57	404.05
23 09 23 53-0084	EA	0 Digital Outputs, 32 Universal Inputs, 0 Analog Outputs Expander Control Module (Automated Logic MX0320)	4,796.69	303.04

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0085	EA	16 Digital Outputs, 16 Universal Inputs, 0 Analog Outputs Expander Control Module (Automated Logic MX16160)	8,142.38	808.10
23 09 23 53-0086	EA	No Display, Interior Wall Mounted, Standalone Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic RC642)	1,984.08	202.03
23 09 23 53-0087	EA	With Display, Interior Wall Mounted, Standalone Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic RC642D)	2,121.35	202.03
23 09 23 53-0088	EA	3 Digital Outputs, 4 Universal Inputs, 1 Analog Outputs Controller For Pressure Independent VAV Applications (Automated Logic ZN341+)	2,815.39	202.03
23 09 23 53-0089	EA	1 Digital Outputs, 4 Universal Inputs, 1 Analog Outputs Controller For Pressure Independent VAV Applications (Automated Logic ZN141+)	2,719.25	202.03
23 09 23 53-0090	EA	Air Flow Sensor And Damper Actuator Accessory For ZN341V+ Or ZN141V+ (Automated Logic ZASF)	2,369.74	303.04
23 09 23 53-0091	EA	Unlimited Points, Front End Software For Building Control (Automated Logic WC)	14,225.11	
23 09 23 53-0092	EA	500 Point, Front End Software For Building Control (Automated Logic WC500)	9,012.29	
23 09 23 53-0093	EA	Enterprise Integration Option, Front End Software For Building Control (Automated Logic WC-ENTERPRISE)	11,692.13	

23 09 23 53-0094 Cypress Envirosystems Controls *(23 09 23 53)*

23 09 23 53-0095 Wireless Pneumatic Thermostat *(23 09 23 53-0094)*

Note: Wireless pneumatic thermostats, hub and repeaters must be installed by installers certified by the manufacturer.

23 09 23 53-0096	EA	Two-Pipe Direct Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T2DP) Note: One for every thermostat to be retrofitted.	567.83	12.63
		For >50 To 200, Deduct	*-29.23*	
		For >200, Deduct	*-58.41*	
23 09 23 53-0097	EA	Two-Pipe Reverse Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T2RP) Note: One for every thermostat to be retrofitted.	567.83	12.63
		For >50 To 200, Deduct	*-29.23*	
		For >200, Deduct	*-58.41*	
23 09 23 53-0098	EA	Single-Pipe Direct Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T1DP) Note: One for every thermostat to be retrofitted.	567.83	12.63
		For >50 To 200, Deduct	*-29.23*	
		For >200, Deduct	*-58.41*	
23 09 23 53-0099	EA	Single-Pipe Indirect Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T1RP) Note: One for every thermostat to be retrofitted.	567.83	12.63
		For >50 To 200, Deduct	*-29.23*	
		For >200, Deduct	*-58.41*	
23 09 23 53-0100	EA	Two-Pipe Direct Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T2DP-DB) Note: One for every thermostat to be retrofitted.	646.13	12.63
		For >50 To 200, Deduct	*-33.59*	
		For >200, Deduct	*-67.11*	
23 09 23 53-0101	EA	Two-Pipe Reverse Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T2RP-DB) Note: One for every thermostat to be retrofitted.	646.13	12.63
		For >50 To 200, Deduct	*-33.59*	
		For >200, Deduct	*-67.11*	
23 09 23 53-0102	EA	Single-Pipe Direct Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1DP-DB) Note: One for every thermostat to be retrofitted.	646.13	12.63
		For >50 To 200, Deduct	*-33.59*	
		For >200, Deduct	*-67.11*	
23 09 23 53-0103	EA	Single-Pipe Indirect Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T1RP-DB) Note: One for every thermostat to be retrofitted.	646.13	12.63
		For >50 To 200, Deduct	*-33.59*	
		For >200, Deduct	*-67.11*	
23 09 23 53-0104	EA	Wireless Pneumatic Thermostat Blank Cover (Cypress Envirosystems WPT-800-MCOV) Note: Optional cover.	46.20	12.63
		For >50 To 200, Deduct	*-1.87*	
		For >200, Deduct	*-3.73*	
23 09 23 53-0105	EA	Green Box Controller (Cypress Envirosystems GBC-830-COM) Note: One unit for up to 100 thermostats.	5,110.44	12.63
		For 2, Deduct	*-256.06*	
		For >2, Deduct	*-511.66*	
23 09 23 53-0106	EA	WPT USB Hub (Cypress Envirosystems WPT-800-HUSB) Note: One unit for up to 100 thermostats.	493.13	12.63
		For 2, Deduct	*-26.72*	
		For >2, Deduct	*-53.38*	
23 09 23 53-0107	EA	WPT Repeater (Cypress Envirosystems WPT-800-RWAL) Note: One unit for up to 15 thermostats.	856.83	12.63
		For >5 To 10, Deduct	*-44.13*	
		For >10, Deduct	*-88.18*	
23 09 23 53-0108	EA	24 Volt, WPT Repeater (Cypress Envirosystems WPT-800-RWAL24V) Note: One unit for up to 15 thermostats.	1,049.24	12.63
		For >5 To 10, Deduct	*-51.32*	
		For >10, Deduct	*-102.54*	

23 09 23 53-0109 Delta Controls *(23 09 23 53)*

23 09 23 53-0110 Software *(23 09 23 53-0109)*

Note: Excludes programming, set-up and commissioning of application.

23 09 23 53-0111	EA	Orca Software Unlimited Points License (Delta Controls DOW333-USB)	2,570.16	
23 09 23 53-0112	EA	Orca Graphics Module, Delta Controls Orca View With Graphics Creation Capabilities (Delta Controls DOW333-I-USB)	4,352.94	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0113	EA	Orca Historical Module, Delta Controls Historian Package With Unlimited Archiving Trend Logs (Delta Controls DHS330-HL-USB)	9,431.37	
23 09 23 53-0114	EA	Web Server Unlimited Points License, Delta Controls Web Server Front End (Delta Controls DWS330-L-USB)	14,903.49	
23 09 23 53-0115	EA	Web Server Limited Points (Maximum I/O 2500) License, Delta Controls Web Server Front End (Delta Controls DWS330-M-USB)	7,648.59	
23 09 23 53-0116	EA	Web Server Limited Points (Maximum I/O 250) License, Delta Controls Web Server Front End (Delta Controls DWS330-S-USB)	2,570.16	
23 09 23 53-0117	EA	100 User Energy Portal, Data Collection Controller, Web PC Server Program License (Delta Controls EP-2.01)	6,197.61	
23 09 23 53-0118	EA	1,000 User Energy Portal, Data Collection Controller, Web PC Server Program License (Delta Controls EP-2.02)	7,648.59	
23 09 23 53-0119	EA	KW Meter With H8163-2400-4-3 Series, With 3, 2,400 Amperes CT's And BACnet MS/TP Interface (Delta Controls H8186-CB)	2,696.04	126.27
23 09 23 53-0120	EA	Delta Controls Touch Screen (Delta Controls DHMI-7-I)	2,952.47	
23 09 23 53-0121		**EMCS Central Equipment And Controllers** *(23 09 23 53-0109)*		
23 09 23 53-0122	EA	Fully Programmable, Native BACnet Building Controller (Delta Controls DSC-1616E + DFM1616) Note: Includes 32 Universal Inputs/32 Analog Or Binary Outputs HOA's, Twisted-Pair Ethernet Port, BACnet IP, BACnet Over Ethernet, Main LAN RS-485 BACnet MS/TP (Maximum Of 99 Devices), SubLAN (Net2) BACnet MS/TP (Maximum 99 Devices) Or Delta LINKnet At 76,800 BPS, Serial RS-232 BACnet PTP, Real-Time Clock With Lithium Battery And SRAM Backup	9,238.63	505.06
23 09 23 53-0123	EA	Fully Programmable, Native BACnet Building Controller, 16 Universal Inputs/16 Analog Or Binary Outputs HOA'S, Twisted-Pair Ethernet Port, BACnet IP, BACnet Over Ethernet, Main LAN RS-485 BACnet MS/TP (Maximum Of 99 Devices), Sublan (Net2) BACnet MS/TP (Maximum 99 Devices) Or Delta LINKnet At 76,800 BPS (Maximum 12 Devices On LINKnet, With 2 DFM Devices) Serial RS-232 BACnet PTP, Real-Time Clock With Lithium Battery And SRAM Backup (Delta Controls DSC-1616E)	6,917.06	505.06
23 09 23 53-0124	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 4 Analog Output Or 6 Binary (Triac) Outputs (Delta Controls DAC-1146)	4,983.63	505.06
23 09 23 53-0125	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 8 Analog Or Binary Outputs (Delta Controls DAC-1180)	4,983.63	505.06
23 09 23 53-0126	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 4 Analog Output Or 6 Binary (Triac) Outputs (Delta Controls DAC-1146)	4,983.63	505.06
23 09 23 53-0127	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 6 Universal Inputs, 3 Binary (Triac) Outputs And 3 Analog Outputs (Delta Controls DAC-633 R3)	4,630.06	505.06
23 09 23 53-0128	EA	VAV Controllers Are Native BACnet Application Controllers That Are Fully Programmable, Communicate On A RS-485 LAN Using The MS/TP BACnet Protocol, 3 Universal Inputs, 4 Binary Outputs, Actuator Position Feedback, Supports 4 BACstat Network Sensors On LINKnet For Room Sensing And Control Or 2 Delta Field Modules On LINKnet For I/O Expansion (Delta Controls DVC-304AF)	1,652.19	252.53
23 09 23 53-0129	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 4 Binary Triac Outputs (24 Volt AC), 3 Binary Relay Outputs For Fan Speed Control, 240 Volt AC, 1 HP (60 LRA/10 FLA) LED Status Indication Of Each Output (Delta Controls DFC-304R3-240)	1,496.21	252.53
23 09 23 53-0130	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 6 Universal Inputs, 3 Binary (Triac) Outputs And 3 Analog Outputs (Delta Controls DAC-633 R3)	1,599.70	252.53
23 09 23 53-0131	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 4 Binary Triac Outputs (24 Volt AC), 3 Binary Relay Outputs For Fan Speed Control, 240 Volt AC, 1 HP (60 LRA/10 FLA) LED Status Indication Of Each Output (Delta Controls DFC-304R3-240)	1,496.21	252.53
23 09 23 53-0132	EA	Remotely Expandable I/O To Delta's BACnet Controllers, 16 Universal Inputs, 16 Analog Outputs (Delta Controls DFM-1616)	3,584.23	315.66
23 09 23 53-0133	EA	Remotely Expandable I/O To Delta's BACnet Controllers, 4 Universal Inputs, 4 Analog Outputs (Delta Controls DFM-440)	885.40	126.27
23 09 23 53-0134	EA	Remotely Expandable I/O To Delta's BACnet™ Controllers, 4 Universal Inputs, 4 Binary Triac Outputs (Delta Controls DFM-404)	951.16	126.27
23 09 23 53-0135	EA	Remotely Expandable I/O To Delta's BACnet™ Controllers, 16 Universal Inputs (Delta Controls DFM-1600)	1,121.73	126.27
23 09 23 53-0136		**Network, VAV And Special Sensors** *(23 09 23 53-0109)*		
23 09 23 53-0137	EA	BACnet MS/TP VAV Network Room Temperature Sensor With LCD Display (Delta Controls DNS-24)	296.79	40.41
23 09 23 53-0138	EA	BACnet MS/TP VAV Network Temperature And Humidity Sensor With LCD Display (Delta Controls DNS-H24)	403.84	45.46
23 09 23 53-0139	EA	Programmable BACnet MS/TP Thermostat With 8 Button Keypad And LCD Display For DX Unit, Fan Coils And RTU (Delta Controls DAC-T305-G2B)	800.38	18.94
23 09 23 53-0140		**Honeywell Controls** *(23 09 23 53)*		
23 09 23 53-0141		**EMCS Central Equipment And Controllers** *(23 09 23 53-0140)*		
23 09 23 53-0142		**EMCS Network Area Controllers (BACnet Or Lon)** *(23 09 23 53-0141)* Note: Includes loading software, software license, loading data base and mounting on wall.		
23 09 23 53-0143	EA	Network Area Java Controller Supporting 126 Devices (Honeywell WC2003B2004) Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 minimum RS-232 serial ports, 1 minimum RS-485 electrically isolated ports, 1 LonWorks port (supports 126 devices), and web user interface software.	12,764.06	615.54
23 09 23 53-0144	EA	Network Area Java Controller Supporting 27 Devices (Honeywell WC2003B1022) Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-232 port, 1 RS-485 port, 1 LonWorks port with driver, Lon tunnel service, BACnet driver, wind river VxWorks OS with Jeode java virtual machine, Niagara control engine and web user interface software (supports 27 device).	8,673.43	615.54
23 09 23 53-0145	EA	Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201) Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, 1 RS-232 serial port, 1 RS-485 serial port, NDIO port, 2 communication card option slots, BACnet IP Client, and BACnet MS/TP. Supports up to 10 devices.	6,599.70	615.54

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0146	EA	Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-EZ) Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, 1 RS-232 serial port, 1 RS-485 serial port, NDIO port, 2 communication card option slots, BACnet IP Client, and BACnet MS/TP. Includes WEB user interface and Enterprise connectivity pack.	8,249.90	615.54
23 09 23 53-0147	EA	Niagara Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-LN) Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, factory installed LON card, NDIO port and MODBus TCP driver. Excludes RS232 and RS485 communications. Includes Niagara network ethernet communication between stations.	6,542.89	615.54
23 09 23 53-0148	EA	Web UI Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-LU) Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, factory installed LON card, NDIO port and MODBus TCP driver. Excludes RS232 and RS485.	6,542.89	615.54
23 09 23 53-0149	EA	16 Point BACnet IP Network Area Java Controller (Honeywell WEB-216-B) Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	7,113.61	615.54
23 09 23 53-0150	EA	16 Point Web UI And BACnet IP Network Area Java Controller (Honeywell WEB-216-BU) Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	7,712.75	615.54
23 09 23 53-0151	EA	16 Point Niagara Network Area Java Controller (Honeywell WEB-216-N) Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	7,113.61	615.54
23 09 23 53-0152	EA	16 Point Web UI And Niagara Network Area Java Controller (Honeywell WEB-216-NU) Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	7,712.75	615.54
23 09 23 53-0153	EA	34 Point BACnet IP Network Area Java Controller (Honeywell WEB-234-B) Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	7,717.91	615.54
23 09 23 53-0154	EA	34 Point Web UI and BACnet IP Network Area Java Controller (Honeywell WEB-234-BU.) Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this.	8,317.05	615.54
23 09 23 53-0155	EA	34 Point Niagara Network Area Java Controller (Honeywell WEB-216-N) Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	7,717.91	615.54
23 09 23 53-0156	EA	34 Point Web UI and Niagara Network Area Java Controller (Honeywell WEB-216-NU) Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this.	8,317.05	615.54
23 09 23 53-0157	EA	Network Area Java Controller Supporting 27 Devices (Controller Only) (Honeywell WEB-403-AX) Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service.	8,221.49	615.54
23 09 23 53-0158	EA	Unrestricted Network Area Java Controller Supporting 27 Devices (Controller Only) Note: Unrestricted limit on connected devices. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service. Honeywell WEB-403-EXP-AX. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.	10,222.91	615.54
23 09 23 53-0159	EA	Easy Pack Network Area Java Controller Supporting 27 Devices (Honeywell WEB-403-EZ) Note: Includes controller plus User Interface Station Pack and Enterprise Connectivity Station Pack bundled as an "easy-order" bundle. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service.	10,840.12	615.54
23 09 23 53-0160	EA	Expanded Easy Pack Network Area Java Controller Supporting 27 Devices (Honeywell WEB-403-EXP-EZ) Note: Unrestricted limit on connected devices. Includes controller plus User Interface Station Pack and Enterprise Connectivity Station Pack bundled as an "easy-order" bundle. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.	12,841.53	615.54
23 09 23 53-0161	EA	Network Area Java Controller Supporting 124 Devices (Controller Only) (Honeywell WEB-545-AX) Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 4 RS-485 port, 2 RS-232 port, 1 LonWorks port. As with other WEBs controllers, capacity is limited by the characteristics of the application. Unit is supplied with a steel, wall mountable enclosure, and 120 volt power supply. Excludes UI service and Enterprise connectivity service.	10,868.53	615.54
23 09 23 53-0162	EA	Easy Pack Network Area Java Controller Supporting 124 Devices (Honeywell WEB-545-EZ) Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 4 RS-485 port, 2 RS-232 port, 1 LonWorks port. As with other JACEs, capacity is limited by the characteristics of the application. Unit is supplied with a steel, wall mountable enclosure, and 120 volt power supply. Includes WEB-545-AX plus User Interface Station Pack (UI-SP-5XX) and Enterprise Connectivity Station Pack (EC-SP-5XX) bundled as an "easy-order" bundle.	14,682.83	615.54
23 09 23 53-0163		EMCS Network Interfaces *(23 09 23 53-0141)* Note: Includes installation, start-up and tech labor.		
23 09 23 53-0164	EA	Serial LonTalk Adapter For LonWorks Bus And A PC (Honeywell Q7760A2001) Note: For desktop computer.	1,850.87	170.46
23 09 23 53-0165	EA	Serial LonTalk Card For LonWorks Bus And A PC (Honeywell Q7752B2009) Note: For laptop computer.	1,573.25	113.64
23 09 23 53-0166	EA	FTT-10 To FTT-10 Router (Honeywell Q7751A2010)	2,005.82	213.14
23 09 23 53-0167	EA	4FTT-10 To TP/FTT-1250 Multi Port Router (Honeywell Q7751J2002)	3,078.83	307.84
23 09 23 53-0168	EA	Two Way Lon Repeater (Honeywell Q7740A1008)	1,583.58	307.84
23 09 23 53-0169	EA	FTT Termination Module For Network Bus (Honeywell 209541B)	113.70	37.88

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0170		**DDC Application Specific Controller Assemblies** *(23 09 23 53-0141)* Note: Includes submittal generation, installation, field test, checkout and start-up. Includes control enclosure, transformer, terminal strip and ancillary devices. (For example, fan coil unit include valves, actuators with controller and thermostat; VAVs include controller, thermostat and hot water valve if VAV has reheat coil). Excludes graphics and database generation. Excludes discharge air sensor.		
23 09 23 53-0171	EA	Up To 10 Factory Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	2,932.64	696.08
23 09 23 53-0172	EA	>10 Factory Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	2,459.14	411.98
23 09 23 53-0173	EA	Up To 10 Field Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	3,131.51	815.40
23 09 23 53-0174	EA	>10 Field Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	2,658.01	531.30
23 09 23 53-0175	EA	Up To 10 Factory Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	3,463.11	852.37
23 09 23 53-0176	EA	>10 Factory Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	3,107.93	638.65
23 09 23 53-0177	EA	Up To 10 Field Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	3,676.16	980.21
23 09 23 53-0178	EA	>10 Field Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	3,292.53	750.14
23 09 23 53-0179	EA	Up To 10 Factory Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	2,592.23	695.98
23 09 23 53-0180	EA	>10 Factory Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	2,118.73	411.98
23 09 23 53-0181	EA	Up To 10 Field Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	2,852.71	852.37
23 09 23 53-0182	EA	>10 Field Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	2,379.09	568.20
23 09 23 53-0183	EA	Up To 10 Factory Installed Application Specific Fan Coil Unit Controller Assemblies	3,470.42	707.44
23 09 23 53-0184	EA	>10 Factory Installed Application Specific Fan Coil Unit Controller Assemblies	2,987.46	578.29
23 09 23 53-0185	EA	Up To 10 Field Installed Application Specific Fan Coil Unit Controller Assemblies	3,730.90	980.20
23 09 23 53-0186	EA	>10 Field Installed Application Specific Fan Coil Unit Controller Assemblies	3,247.82	651.53
23 09 23 53-0187	EA	Up To 10 Factory Installed Application Specific Unit Ventilator Controller Assemblies	4,393.13	980.20
23 09 23 53-0188	EA	>10 Factory Installed Application Specific Unit Ventilator Controller Assemblies	3,962.31	626.28
23 09 23 53-0189	EA	Up To 10 Field Installed Application Specific Unit Ventilator Controller Assemblies	4,914.11	980.20
23 09 23 53-0190	EA	>10 Field Installed Application Specific Unit Ventilator Controller Assemblies	4,483.16	733.61
23 09 23 53-0191		**DDC Programmable Controller Assemblies** *(23 09 23 53-0141)* Note: Includes installation, field test, checkout and start-up. Includes control enclosure, transformer and terminal strip only. Excludes ancillary devices. Excludes submittal generation/system engineering and database generation. See CSI section 23 09 23 53-0198 for additional components.		
23 09 23 53-0192	EA	3 AO, 6 UI, 8 DO And 4 DI Small Programmable Controller Assemblies	2,974.28	752.92
23 09 23 53-0193	EA	Oversized Enclosure 3 AO, 6 UI, 8 DO And 4 DI Small Programmable Controller Assemblies	3,463.94	752.92
23 09 23 53-0194	EA	6 AO, 8 AI, 8 DO And 8 DI Medium Programmable Controller Assemblies	4,656.79	885.50
23 09 23 53-0195	EA	Oversized Enclosure 6 AO, 8 AI, 8 DO And 8 DI Medium Programmable Controller Assemblies	5,146.45	885.50
23 09 23 53-0196	EA	10 AO, 16 AI, 16 DO And 16 DI Large Programmable Controller Assemblies	8,525.65	1,037.02
23 09 23 53-0197	EA	Oversized Enclosure 10 AO, 16 AI, 16 DO And 16 DI Large Programmable Controller Assemblies	9,091.68	1,037.02
23 09 23 53-0198		**EMCS Optional DDC Controller Hardware** *(23 09 23 53-0141)* Note: Used to expand the capacity of DDC programmable controller assemblies.		
23 09 23 53-0199	EA	6 DO (Repay), 3 AI, 3 DI AHU Controller (Honeywell W7750A2005) Note: For constant volume single zone and heat pump AHUs.	588.80	
23 09 23 53-0200	EA	6 AI, 5 DI, 8 DO (Triac) AHU Controller (Honeywell W7750B2011) Note: For constant volume single zone and heat pump AHUs.	680.48	
23 09 23 53-0201	EA	3 AO, 6 AI, 5 DI, 5 DO (Triac) AHU Controller (Honeywell W7750C2001) Note: For constant volume single zone and heat pump AHUs.	712.76	
23 09 23 53-0202	EA	VAV Controller Compatible Printed Wiring Board (Honeywell W7751B2010)	672.73	
23 09 23 53-0203	EA	VAV Controller With Internally Wired Subbase (Honeywell W7751D2016)	683.06	
23 09 23 53-0204	EA	VAV Controller With Externally Wired Subbase (Honeywell W7751F2011)	667.57	
23 09 23 53-0205	EA	VAV Controller With Premounted ML6161 Actuator (Honeywell W7751H2025)	574.60	
23 09 23 53-0206	EA	VAV Controller With Premounted ML6161 Actuator (Honeywell W7751J2004)	499.71	
23 09 23 53-0207	EA	Fan Coil Unit Controller With Electric Reheat Relay (Honeywell W7752F2002)	732.13	
23 09 23 53-0208	EA	Fan Coil Unit Controller Without Electric Reheat Relay (Honeywell W7752G2000)	654.66	
23 09 23 53-0209	EA	Unit Ventilator Controller With Heating, Cooling, Actuator And Fan Control (Honeywell W7753A2002)	723.09	
23 09 23 53-0210	EA	Building Manager, Monitor And Control HVAC Equipment (Honeywell W7760A2011)	1,535.28	
23 09 23 53-0211	EA	Plant Controller, Monitor And Control HVAC Equipment (Honeywell W7760C2017)	1,909.74	
23 09 23 53-0212	EA	Remote IO Device For Ancillary Point Monitoring And Control (Honeywell W7761A2002)	954.22	
23 09 23 53-0213	EA	Remote IO, UUKL-UL 864 Approved (Honeywell W7761A2010)	940.02	
23 09 23 53-0214	EA	Hydronic Controller Without Wall Module (Honeywell W7762B1027)	460.97	
23 09 23 53-0215	EA	Hydronic Controller With Built-in Wall Module (Honeywell W7763C1016)	524.24	
23 09 23 53-0216	EA	IO Module, 24 Volt AC Without Overrides (Honeywell XFC3A06001)	968.43	
23 09 23 53-0217	EA	IO Module, 24 Volt AC With Overrides (Honeywell XFC3D06001)	1,035.57	
23 09 23 53-0218	EA	AI Module (Honeywell XFL521B)	648.20	
23 09 23 53-0219	EA	AO Module (Honeywell XFL522B)	648.20	
23 09 23 53-0220	EA	DI Module (Honeywell XFL523B)	648.20	
23 09 23 53-0221	EA	DO Module (Honeywell XFL524B)	648.20	
23 09 23 53-0222	EA	Distributed IO, Lonwork Bus Connector Module With Endplate (Honeywell XSL511)	114.92	
23 09 23 53-0223	EA	Distributed IO, Terminal Block For AI, AO And DI Modules (Honeywell XSL513)	216.93	
23 09 23 53-0224	EA	Distributed IO, Terminal Block For DO Modules (Honeywell XSL514)	213.05	
23 09 23 53-0225	EA	Lon Analog IO Module, 24 Volt AC/DC, 10 Digital Inputs (Honeywell XIO-10DI)	652.07	
23 09 23 53-0226	EA	Lon Hub (Honeywell XIO-HUB)	96.84	
23 09 23 53-0227	EA	Lon Analog IO, 24 Volt AC/DC, 4 Analog Outputs (Honeywell XIO-4AO)	652.07	
23 09 23 53-0228	EA	Lon Digital IO, 24 Volt AC/DC, 4 Digital Inputs (Honeywell XIO-4DI)	600.42	
23 09 23 53-0229	EA	Lon Digital IO, 24 Volt AC/DC, 4 Digital Outputs (Honeywell XIO-4DO)	600.42	
23 09 23 53-0230	EA	Lon Analog IO, 24 Volt AC/DC, 4 Analog Inputs (Honeywell XIO-4NTC)	632.71	
23 09 23 53-0231	EA	Lon Analog IO, 24 Volt AC/DC, 4 Analog PT1000 Inputs (Honeywell XIO-4PT1000)	632.71	
23 09 23 53-0232	EA	Lon Analog IO, 24 Volt AC/DC, 8 Analog Inputs (Honeywell XIO-8AI)	910.32	
23 09 23 53-0233	EA	16 Point IO Module For Network Area Controllers (Honeywell WEB-IO-16) Note: Includes 8 universal inputs, 4 relay outputs, and 4 analog outputs.	1,074.31	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0234	EA	34 Point IO Module For Network Area Controllers (Honeywell W7750A2005) Note: Includes 16 universal inputs, 10 relay outputs, and 8 analog outputs.	2,282.90	
23 09 23 53-0235		Computer Equipment And Printers *(23 09 23 53-0141)*		
23 09 23 53-0236		EMCS Software *(23 09 23 53-0140)*		
23 09 23 53-0237		Software Packages And License *(23 09 23 53-0236)* Note: Includes installation on equipment.		
23 09 23 53-0238	EA	On Board Programming Tool For Network Area Controllers (Honeywell WP-AX-WEB) Note: Requires UI services to be installed on NAC.	728.26	
23 09 23 53-0239	EA	Software Upgrade To Provide Unrestricted Connected Device Limit (Honeywell WEB-403-EXUP-AX) Note: Upgrade existing network area controller. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.	2,761.19	
23 09 23 53-0240	EA	WEBStation-AX Software For Windows (Honeywell WEB-S-AX) Note: Includes Archon database. WEBs controllers must have Enterprise Connectivity Station Pack (EC-SP). Includes one copy of WP-AX (WEBPro-AX).	8,134.78	
23 09 23 53-0241	EA	Small Building WEBStation-AX Based Software (Honeywell WEB-S-AX-SBS) Note: For up to 3 NAC controllers. NAC controllers must have Enterprise Connectivity Station Pack (EC-SP). Includes Archon database.	4,842.13	
23 09 23 53-0242	EA	Upgrade Small Building To Large Building Software Note: Upgrade WEB-S-AX-SBS to WEB-S-AX.	5,472.78	
23 09 23 53-0243	EA	Additional Copy Of WEBPro-AX (Honeywell WEB-S-AX-W) Note: One copy is included with WEB-S-AX and WEBStation-AX.	3,824.31	
23 09 23 53-0244	EA	WEBs Energy Suite (WES) Base Software (Honeywell WES-BASE-AX) Note: Includes license for 10 points of E^2 Profiler and 2 licensed meters of Cost Profiler. Limit of one WES-BASE per WEBStation-AX Supervisor. Additional E^2 Profiler point requirements or Cost Profiler meter requirements may use one or any combination of point/meter bundles. One WES-BASE required per WES project.	6,852.26	
23 09 23 53-0245	EA	Perpetual License One Meter Point Bundle Of A Cost Profiler Meter And Two E^2 Profiler Points (Honeywell WES-CP-AX) Note: Can be combined with the required single instance of VES-BASE as well as with any combination of other EP points and CP meters.	854.47	
23 09 23 53-0246	EA	Perpetual License For One Point Of E^2 Profiler (Honeywell WES-E2-AX) Note: Can be combined with the required single instance of VES-BASE as well as with any number of other EP Points and Cost Profiler meters.	551.03	
23 09 23 53-0247	EA	Perpetual License For An Unlimited Bundle Of E2 Points And CP Meters Note: Sold on a per server basis. Purchase of this product must be accompanied by VES-M1-ENT-AX maintenance. The first year price of maintenance is included with VES-ENT-AX.	37,330.57	
23 09 23 53-0248	EA	Annual Maintenance For Enterprise WEBs-AX Energy Suite (Honeywell WES-M1-ENT-AX) Note: The first year cost of VES-M1-ENT-AX is included with VES-ENT-AX. After the first year VES-M1-ENT-AX maintenance fee will be invoiced annually.	34,045.61	
23 09 23 53-0249	EA	Standard WEBStation-AX Supervisor Bundled With WES-BASE-AX (Honeywell WES-S-AX)	12,971.75	
23 09 23 53-0250	EA	Small WEBStation-AX Supervisor Bundled With WES-BASE-AX (Honeywell WES-S-AX-SBS)	9,679.10	
23 09 23 53-0251	EA	Add 500 Modbus TCP Points To WEBStation With WS-OSD Option (Honeywell WS-MTCP-500)	2,798.11	
23 09 23 53-0252	EA	Add 500 OPC Points To WEBStation With WS-OSD Option (Honeywell WS-OPC-500)	2,798.11	
23 09 23 53-0253	EA	Vykon Oracle Driver For Support Of Oracle Database (Honeywell WS-ORCL) Note: Excludes Oracle.	19,368.52	
23 09 23 53-0254	EA	Open System Driver Option (Honeywell WS-SNMP-500) Note: Adds 25 points each of BACnet IP, OPC (client), Modbus TCP and SNMP to a standard WEBStation. Can be purchase with the WS or added later. Web Supervisor required to purchase this option.	2,582.47	
23 09 23 53-0255	EA	Add 500 SNMP Points To WEBStation With WS-OSD Option (Honeywell WS-SNMP-500)	2,798.11	
23 09 23 53-0256	EA	WEBStation Software WS-1 And First Copy Of WEBPro Software (Honeywell ZW2000A1003) Note: For a single Honeywell WEB NP controller. Excludes software keys for the additional nodes.	7,317.43	
23 09 23 53-0257	EA	WEBStation Additional Node (Honeywell ZW2000B1002)	2,798.11	
23 09 23 53-0258	EA	WEBStation Software And 20 Pack Of Node Software Keys (Honeywell ZW2000C1001)	46,915.73	
23 09 23 53-0259	EA	WEBStation Software And 50 Pack Of Node Software Keys (Honeywell ZW2000D1000)	86,082.76	
23 09 23 53-0260	EA	WEBStation Software And 100 Pack Of Node Software Keys (Honeywell ZW2000E1009)	150,644.51	
23 09 23 53-0261	EA	Master WEBStation Software For Monitoring Multiple WEBStations (Honeywell ZW2000F1008)	7,747.41	
23 09 23 53-0262	EA	Additional Master WEBStation Software Licenses (Honeywell ZW200G1007)	3,873.70	
23 09 23 53-0263	EA	Additional Copies Of Workplace Pro WP-1 (Web Pro) (Honeywell ZW2001A1001)	3,028.91	
23 09 23 53-0264	EA	Upgrade Existing NAC To Provide Unrestricted Connected Device Limit (Honeywell WC2003B1055) Note: As with other WEBs, capacity is limited by the characteristics of the application including size and complexity.	3,342.24	
23 09 23 53-0265		Initial Database Generation *(23 09 23 53-0236)*		
23 09 23 53-0266	PNT	Database Generation For Central Plant	84.72	
23 09 23 53-0267	PNT	Database Generation For Programmable Controller Note: For VAV AHU, large CV AHU, or heat exchanger, etc.	84.72	
23 09 23 53-0268	EA	Database Generation For Application Specific Controller Note: Price per each VAV box, fan coil unit, unit ventilator or small CV AHU. Task used for the first piece of each equipment.	84.72	
23 09 23 53-0269	EA	Replication Of Database Generation For Application Specific Controller Note: Price per copy made.	58.97	
23 09 23 53-0270	EA	Database Generation For Remote IO Modules, Sensors, Etcetera	58.97	
23 09 23 53-0271		Application Software Programs *(23 09 23 53-0236)*		
23 09 23 53-0272	EA	Optimum Start/Stop Program Note: Priced per controller requiring optimum start programming.	118.19	
23 09 23 53-0273	EA	Duty Cycling Program	55.81	
23 09 23 53-0274	EA	Demand Limiting Program Note: Priced per controller requiring optimum start programming.	103.66	

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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0275		**Color Graphics Generation** *(23 09 23 53-0236)* Note: Priced per page.		
23 09 23 53-0276	EA	Single Site Home Page Graphics Page With HTML Navigation Code	2,118.49	
23 09 23 53-0277	EA	Multi Site Home Page Graphics Page With HTML Navigation Code	3,761.30	
23 09 23 53-0278	EA	Color Graphics Page For Central Plant	962.52	
23 09 23 53-0279	EA	Color Graphics Page For Building Floor Plan	888.78	
23 09 23 53-0280	EA	Replication Of Color Graphics Page For Central Plant	482.84	
23 09 23 53-0281	EA	Color Graphics Page For Programmable Controller Note: For VAV AHU, large CV AHU, or heat exchanger, etc.	1,082.85	
23 09 23 53-0282	EA	Replication Of Color Graphics Page For Programmable Controller Note: Priced per copy made.	231.57	
23 09 23 53-0283	EA	Color Graphics Page For Application Specific Controller Note: Price per each VAV box, fan coil unit, unit ventilator or small CV AHU. Task used for the first piece of each equipment.	1,001.54	
23 09 23 53-0284	EA	Replication Of Color Graphics Page For Application Specific Cont Note: Priced per copy made.	100.13	
23 09 23 53-0285		**Sensors, Actuators And Control Devices** *(23 09 23 53-0140)* Note: Includes installation, startup, checkout and miscellaneous parts for installation. Excludes conduit, wire and cable. Excludes engineering and programming labor. Each device is considered one control point. No engineering or programming time required for replacement parts.		
23 09 23 53-0286		**Special Sensors** *(23 09 23 53-0285)*		
23 09 23 53-0287	EA	Dewpoint Sensor (Honeywell C7232B1014)	2,310.17	78.16
23 09 23 53-0288	EA	Enthalpy Sensor -25 To 125 F	2,411.33	78.16
23 09 23 53-0289	EA	Outdoor Mounted Temperature And Humidity Transmitter (Honeywell H7635C1002)	1,068.73	156.32
23 09 23 53-0290	EA	Freezestat (Honeywell L482A1004)	730.60	260.48
23 09 23 53-0291	EA	Wall Mounted Occupancy Sensor	530.77	78.16
23 09 23 53-0292	EA	Ceiling Mounted Occupancy Sensor	419.25	78.16
23 09 23 53-0293	EA	I/P Positioner With Gauge	494.19	78.16
23 09 23 53-0294	EA	Non-Communicating Duct Mounted Smoke Detector With Sampling Tube	591.34	78.16
23 09 23 53-0295	EA	EP Transducer	494.19	52.15
23 09 23 53-0296	EA	Electric Heat Sequencer	781.72	104.16
23 09 23 53-0297		**Meters** *(23 09 23 53-0285)*		
23 09 23 53-0298	EA	208 - 480 Volt, Up To 2,400 Amperes, KW/KWh Meter/Current Transformer	5,042.72	625.02
23 09 23 53-0299	EA	208 - 480 Volt, Up To 2,400 Amperes, KW/KWh Meter/Current Transformer With LON interface	7,303.23	729.18
23 09 23 53-0300	EA	1 To 300 Amperes, Current Transformer For KW Meter	1,741.72	260.48
23 09 23 53-0301	EA	300 To 800 Amperes, Current Transformer For KW Meter	2,002.35	260.48
23 09 23 53-0302	EA	800 To 2,400 Amperes, Current Transformer For KW Meter	2,502.19	260.48
23 09 23 53-0303		**Direct Coupled Actuators** *(23 09 23 53-0285)*		
23 09 23 53-0304	EA	44 IN-Lb., 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4105A1002)	689.49	105.28
23 09 23 53-0305	EA	88 IN-Lb., 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4110A1200)	762.92	105.28
23 09 23 53-0306	EA	175 IN-Lb., 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4120A1209)	889.17	105.28
23 09 23 53-0307	EA	44 IN-Lb., 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8105A1008)	646.52	105.28
23 09 23 53-0308	EA	88 IN-Lb., 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8110A1206)	725.49	105.28
23 09 23 53-0309	EA	175 IN-Lb., 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8120A1205)	803.69	105.28
23 09 23 53-0310	EA	44 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator	729.81	105.28
23 09 23 53-0311	EA	88 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator (Honeywell MS7510A2206)	842.41	105.28
23 09 23 53-0312	EA	175 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator (Honeywell MS7520A2205)	963.94	105.28
23 09 23 53-0313	EA	44 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Non- Spring Return Direct Coupled Damper Actuator (Honeywell MN7505A2209)	587.94	105.28
23 09 23 53-0314	EA	88 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Non- Spring Return Direct Coupled Damper Actuator (Honeywell MN7510A2209)	647.90	105.28
23 09 23 53-0315	EA	175 IN-Lb., 24 Volt AC, 4-20 mA, Floating Control, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN6120A1200)	768.35	105.28
23 09 23 53-0316	EA	175 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN7220A2007)	825.05	105.28
23 09 23 53-0317	EA	300 IN-Lb., 24 Volt AC, 4-20 mA, Floating Control, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN6134A10030)	824.34	105.28
23 09 23 53-0318	EA	300 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN7234A2008)	979.82	105.28
23 09 23 53-0319	EA	Pneumatic Spring Return Damper Actuator Without Positive Positioner (Honeywell MP909E1018)	612.51	105.28
23 09 23 53-0320	EA	Pneumatic Spring Return Damper Actuator With Positive Positioner (Honeywell MP909H1368)	1,081.53	105.28
23 09 23 53-0321	EA	Foot Mount Kit With Damper Linkage And Connectors For Direct Coupled Actuator	458.30	105.28
23 09 23 53-0322	EA	Direct Coupled Damper Actuator Enclosure For Outdoor Use	702.78	105.28
23 09 23 53-0323		**Two Way Pneumatic Control Valves, Normally Closed** *(23 09 23 53-0285)* Note: Air-to-open 3-15 PSI operation, bronze body with 316 stainless steel trim (Dwyer Taylor hi-flow control valves with Lin-E-Aire actuator)		
23 09 23 53-0324	EA	1/2" Pneumatic Two-Way Valve, Closed, Bronze With Stainless Steel Trim, USP of 125 PSI	1,400.07	62.30
		For Low Pressure Steam, Add	*127.55*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0325	EA	3/4" Pneumatic Two-Way Valve, Closed, Bronze With Stainless Steel Trim, USP of 125 PSI	1,472.63	73.18
		For Low Pressure Steam, Add	*132.63*	
23 09 23 53-0326	EA	1" Pneumatic Two-Way Valve, Closed, Bronze With Stainless Steel Trim, USP of 125 PSI	1,599.46	83.61
		For Low Pressure Steam, Add	*143.22*	
23 09 23 53-0327	EA	1-1/4" Pneumatic Two-Way Valve, Closed, Bronze With Stainless Steel Trim, USP of 98 PSI	1,711.11	88.77
		For Low Pressure Steam, Add	*153.37*	
23 09 23 53-0328	EA	1-1/4" Pneumatic Two-Way Valve, Closed, Bronze With Stainless Steel Trim, USP of 125 PSI	1,834.69	88.77
		For Low Pressure Steam, Add	*165.73*	
23 09 23 53-0329	EA	1-1/2" Pneumatic Two-Way Valve, Closed, Bronze With Stainless Steel Trim, USP of 95 PSI	1,912.01	97.55
		For Low Pressure Steam, Add	*171.68*	
23 09 23 53-0330	EA	1-1/2" Pneumatic Two-Way Valve, Closed, Bronze With Stainless Steel Trim, USP of 168 PSI	2,057.66	97.55
		For Low Pressure Steam, Add	*186.25*	
23 09 23 53-0331	EA	2" Pneumatic Two-Way Valve, Closed, Bronze With Stainless Steel Trim, USP of 31 PSI	2,098.71	112.66
		For Low Pressure Steam, Add	*187.35*	
23 09 23 53-0332	EA	2" Pneumatic Two-Way Valve, Closed, Bronze With Stainless Steel Trim, USP of 88 PSI	2,244.36	112.66
		For Low Pressure Steam, Add	*201.92*	
23 09 23 53-0333	EA	2" Pneumatic Two-Way Valve, Closed, Bronze With Stainless Steel Trim, USP of 175 PSI	2,749.70	112.66
		For Low Pressure Steam, Add	*252.45*	

23 09 23 53-0334 Plastic, Two Way, Pneumatic Activated *(23 09 23 53-0285)*

23 09 23 53-0335 Polyvinyl Chloride (PVC) Butterfly Valve With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals *(23 09 23 53-0334)*

Note: With NEMA 4X housing.

23 09 23 53-0336	EA	1-1/2" Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	3,089.32	36.88
		For Low Pressure Steam, Add	*301.55*	
23 09 23 53-0337	EA	2" Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	3,103.35	43.91
		For Low Pressure Steam, Add	*301.55*	
23 09 23 53-0338	EA	3" Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	3,323.88	117.10
		For Low Pressure Steam, Add	*309.01*	
23 09 23 53-0339	EA	4" Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	3,385.15	175.66
		For Low Pressure Steam, Add	*303.33*	
23 09 23 53-0340	EA	6" Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	3,683.38	234.21
		For Low Pressure Steam, Add	*321.42*	
23 09 23 53-0341	EA	8" Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	4,269.36	263.48
		For Low Pressure Steam, Add	*374.28*	

23 09 23 53-0342 Polyvinyl Chloride (PVC) Butterfly Valve With Viton Liner And Seals *(23 09 23 53-0334)*

Note: With NEMA 4X housing.

23 09 23 53-0343	EA	1-1/2" Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	3,170.92	36.88
		For Low Pressure Steam, Add	*309.71*	
23 09 23 53-0344	EA	2" Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	3,184.95	43.91
		For Low Pressure Steam, Add	*309.71*	
23 09 23 53-0345	EA	3" Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	3,401.93	117.10
		For Low Pressure Steam, Add	*316.81*	
23 09 23 53-0346	EA	4" Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	3,754.11	175.66
		For Low Pressure Steam, Add	*340.22*	
23 09 23 53-0347	EA	6" Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	4,939.26	234.21
		For Low Pressure Steam, Add	*447.01*	
23 09 23 53-0348	EA	8" Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	6,369.60	263.48
		For Low Pressure Steam, Add	*584.31*	

23 09 23 53-0349 Polyvinyl Chloride (PVC), Pneumatically Activated Diaphragm Valve *(23 09 23 53-0334)*

Note: With NEMA 4X housing.

23 09 23 53-0350	EA	1/2" Polyvinyl Chloride (PVC) Pneumatically Activated Diaphragm Valve	1,728.13	62.06
		For Low Pressure Steam, Add	*160.36*	
23 09 23 53-0351	EA	3/4" Polyvinyl Chloride (PVC) Pneumatically Activated Diaphragm Valve	1,817.35	73.18
		For Low Pressure Steam, Add	*167.10*	
23 09 23 53-0352	EA	1" Polyvinyl Chloride (PVC) Pneumatically Activated Diaphragm Valve	1,905.66	83.73
		For Low Pressure Steam, Add	*173.84*	
23 09 23 53-0353	EA	1-1/4" Polyvinyl Chloride (PVC) Pneumatically Activated Diaphragm Valve	2,327.34	89.00
		For Low Pressure Steam, Add	*214.99*	
23 09 23 53-0354	EA	1-1/2" Polyvinyl Chloride (PVC) Pneumatically Activated Diaphragm Valve	2,345.08	97.78
		For Low Pressure Steam, Add	*214.99*	
23 09 23 53-0355	EA	2" Polyvinyl Chloride (PVC) Pneumatically Activated Diaphragm Valve	2,811.46	112.42
		For Low Pressure Steam, Add	*258.63*	

23 09 23 53-0356 Chlorinated Polyvinyl Chloride (CPVC), Pneumatically Activated Diaphragm Valve *(23 09 23 53-0334)*

Note: With NEMA 4X housing.

23 09 23 53-0357	EA	1/2" Chlorinated Polyvinyl Chloride (CPVC) Pneumatically Activated Diaphragm Valve	1,926.80	62.06
		For Low Pressure Steam, Add	*180.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0358	EA	3/4" Chlorinated Polyvinyl Chloride (CPVC) Pneumatically Activated Diaphragm Valve	2,051.49	73.18
		For Low Pressure Steam, Add	*190.51*	
23 09 23 53-0359	EA	1" Chlorinated Polyvinyl Chloride (CPVC) Pneumatically Activated Diaphragm Valve	2,161.10	83.73
		For Low Pressure Steam, Add	*199.38*	
23 09 23 53-0360	EA	1-1/4" Chlorinated Polyvinyl Chloride (CPVC) Pneumatically Activated Diaphragm Valve	2,667.92	89.00
		For Low Pressure Steam, Add	*249.05*	
23 09 23 53-0361	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Pneumatically Activated Diaphragm Valve	2,685.66	97.78
		For Low Pressure Steam, Add	*249.05*	
23 09 23 53-0362	EA	2" Chlorinated Polyvinyl Chloride (CPVC) Pneumatically Activated Diaphragm Valve	3,105.92	112.42
		For Low Pressure Steam, Add	*288.07*	

23 09 23 53-0363 Polyvinyl Chloride (PVC), Pneumatically Activated Diaphragm Valve *(23 09 23 53-0334)*

Note: With VITON seals.

23 09 23 53-0364	EA	1/2" Polyvinyl Chloride (PVC) Diaphragm Valve With VITON Seals	744.59	62.06
		For Low Pressure Steam, Add	*62.05*	
23 09 23 53-0365	EA	3/4" Polyvinyl Chloride (PVC) Diaphragm Valve With VITON Seals	828.67	73.18
		For Low Pressure Steam, Add	*68.23*	
23 09 23 53-0366	EA	1" Polyvinyl Chloride (PVC) Diaphragm Valve With VITON Seals	902.76	83.73
		For Low Pressure Steam, Add	*73.53*	
23 09 23 53-0367	EA	1-1/4" Polyvinyl Chloride (PVC) Diaphragm Valve With VITON Seals	1,196.97	88.41
		For Low Pressure Steam, Add	*102.01*	
23 09 23 53-0368	EA	1-1/2" Polyvinyl Chloride (PVC) Diaphragm Valve With VITON Seals	1,202.82	91.34
		For Low Pressure Steam, Add	*102.01*	
23 09 23 53-0369	EA	2" Polyvinyl Chloride (PVC) Diaphragm Valve With VITON Seals	1,512.51	105.98
		For Low Pressure Steam, Add	*130.06*	

23 09 23 53-0370 Polyvinyl Chloride (PVC), Pneumatically Activated Diaphragm Valve *(23 09 23 53-0334)*

Note: With PTFE seals.

23 09 23 53-0371	EA	1/2" Polyvinyl Chloride (PVC) Diaphragm Valve With Polytetrafluoroethylene (PTFE) Seals	799.79	62.06
		For Low Pressure Steam, Add	*67.57*	
23 09 23 53-0372	EA	3/4" Polyvinyl Chloride (PVC) Diaphragm Valve With Polytetrafluoroethylene (PTFE) Seals	879.48	73.18
		For Low Pressure Steam, Add	*73.31*	
23 09 23 53-0373	EA	1" Polyvinyl Chloride (PVC) Diaphragm Valve With Polytetrafluoroethylene (PTFE) Seals	951.32	83.73
		For Low Pressure Steam, Add	*78.39*	
23 09 23 53-0374	EA	1-1/4" Polyvinyl Chloride (PVC) Diaphragm Valve With Polytetrafluoroethylene (PTFE) Seals	1,232.31	88.41
		For Low Pressure Steam, Add	*105.55*	
23 09 23 53-0375	EA	1-1/2" Polyvinyl Chloride (PVC) Diaphragm Valve With Polytetrafluoroethylene (PTFE) Seals	1,238.16	91.34
		For Low Pressure Steam, Add	*105.55*	
23 09 23 53-0376	EA	2" Polyvinyl Chloride (PVC) Diaphragm Valve With Polytetrafluoroethylene (PTFE) Seals	1,536.81	105.98
		For Low Pressure Steam, Add	*132.49*	

23 09 23 53-0377 Polyvinyl Chloride (PVC), Pneumatically Activated Diaphragm Valve *(23 09 23 53-0334)*

Note: With ethylene propylene diene monomer (EPDM) seals.

23 09 23 53-0378	EA	1/2" Polyvinyl Chloride (PVC) Diaphragm Valve With Ethylene Propylene Diene Monomer (EPDM) Seals	662.92	62.06
		For Low Pressure Steam, Add	*53.88*	
23 09 23 53-0379	EA	3/4" Polyvinyl Chloride (PVC) Diaphragm Valve With Ethylene Propylene Diene Monomer (EPDM) Seals	727.10	73.18
		For Low Pressure Steam, Add	*58.07*	
23 09 23 53-0380	EA	1" Polyvinyl Chloride (PVC) Diaphragm Valve With Ethylene Propylene Diene Monomer (EPDM) Seals	790.15	83.73
		For Low Pressure Steam, Add	*62.27*	
23 09 23 53-0381	EA	1-1/4" Polyvinyl Chloride (PVC) Diaphragm Valve With Ethylene Propylene Diene Monomer (EPDM) Seals	1,060.07	88.41
		For Low Pressure Steam, Add	*88.32*	
23 09 23 53-0382	EA	1-1/2" Polyvinyl Chloride (PVC) Diaphragm Valve With Ethylene Propylene Diene Monomer (EPDM) Seals	1,065.92	91.34
		For Low Pressure Steam, Add	*88.32*	
23 09 23 53-0383	EA	2" Polyvinyl Chloride (PVC) Diaphragm Valve With Ethylene Propylene Diene Monomer (EPDM) Seals	1,342.51	105.98
		For Low Pressure Steam, Add	*113.06*	

23 09 23 53-0384 Three-Way Modular Polyvinyl Chloride (PVC) Ball Valve *(23 09 23 53-0334)*

Note: Equipped for actuator.

23 09 23 53-0385	EA	1/2" Polyvinyl Chloride (PVC) Modular 3-Way Ball Valve, Threaded Or Socket	153.20	21.08
23 09 23 53-0386	EA	3/4" Polyvinyl Chloride (PVC) Modular 3-Way Ball Valve, Threaded Or Socket	177.65	25.76
23 09 23 53-0387	EA	1" Polyvinyl Chloride (PVC) Modular 3-Way Ball Valve, Threaded Or Socket	191.79	27.52
23 09 23 53-0388	EA	1-1/2" Polyvinyl Chloride (PVC) Modular 3-Way Ball Valve, Threaded Or Socket	359.87	41.57
23 09 23 53-0389	EA	2" Polyvinyl Chloride (PVC) Modular 3-Way Ball Valve, Threaded Or Socket	540.53	84.90
23 09 23 53-0390	EA	3" Polyvinyl Chloride (PVC) Modular 3-Way Ball Valve, Threaded Or Socket	1,128.23	117.10
23 09 23 53-0391	EA	4" Polyvinyl Chloride (PVC) Modular 3-Way Ball Valve, Threaded Or Socket	2,114.49	175.66
23 09 23 53-0392	EA	2" Polyvinyl Chloride (PVC) Modular 3-Way Ball Valve, Flanged	849.18	84.90
23 09 23 53-0393	EA	3" Polyvinyl Chloride (PVC) Modular 3-Way Ball Valve, Flanged	1,678.87	199.08
23 09 23 53-0394	EA	4" Polyvinyl Chloride (PVC) Modular 3-Way Ball Valve, Flanged	3,047.08	333.74

23 09 23 53-0395 Electric Activated Plastic Control Valves *(23 09 23 53-0285)*

Note: Includes motor.

23 09 23 53-0396 Two Way Plastic Electric Control Valves With Electric Actuator *(23 09 23 53-0395)*

Note: With NEMA 4X housing.

23 09 23 53-0397 Two Way Polyvinyl Chloride (PVC) Electric Control Valves, With Electric Actuator *(23 09 23 53-0396)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0398	EA	1/2" Two Way Electric Control Valve, Polyvinyl Chloride (PVC)	914.93	19.32
23 09 23 53-0399	EA	3/4" Two Way Electric Control Valve, Polyvinyl Chloride (PVC)	940.87	23.42
23 09 23 53-0400	EA	1" Two Way Electric Control Valve, Polyvinyl Chloride (PVC)	979.85	25.18
23 09 23 53-0401	EA	1-1/4" Two Way Electric Control Valve, Polyvinyl Chloride (PVC)	1,038.75	36.88
23 09 23 53-0402	EA	1-1/2" Two Way Electric Control Valve, Polyvinyl Chloride (PVC)	1,038.75	36.88
23 09 23 53-0403	EA	2" Two Way Electric Control Valve, Polyvinyl Chloride (PVC)	1,130.83	43.91
23 09 23 53-0404		**Two Way Chlorinated Polyvinyl Chloride (CPVC) Electric Control Valves, With Electric Actuator** *(23 09 23 53-0396)*		
23 09 23 53-0405	EA	1/2" Two Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC)	978.79	19.32
23 09 23 53-0406	EA	3/4" Two Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC)	1,004.73	23.42
23 09 23 53-0407	EA	1" Two Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC)	1,068.54	25.18
23 09 23 53-0408	EA	1-1/4" Two Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC)	1,141.64	36.88
23 09 23 53-0409	EA	1-1/2" Two Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC)	1,141.64	36.88
23 09 23 53-0410	EA	2" Two Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC)	1,262.10	43.91
23 09 23 53-0411		**Three Way Plastic Electric Control Valves With Electric Actuator** *(23 09 23 53-0395)* Note: With NEMA 4X housing.		
23 09 23 53-0412		**Three Way Polyvinyl Chloride (PVC) Electric Control Valves, With Electric Actuator** *(23 09 23 53-0411)*		
23 09 23 53-0413	EA	1/2" Three Way Electric Control Valve, Polyvinyl Chloride (PVC)	982.30	21.08
23 09 23 53-0414	EA	3/4" Three Way Electric Control Valve, Polyvinyl Chloride (PVC)	1,009.40	25.76
23 09 23 53-0415	EA	1" Three Way Electric Control Valve, Polyvinyl Chloride (PVC)	1,059.03	27.52
23 09 23 53-0416	EA	1-1/2" Three Way Electric Control Valve, Polyvinyl Chloride (PVC)	1,253.87	41.57
23 09 23 53-0417	EA	2" Three Way Electric Control Valve, Polyvinyl Chloride (PVC)	1,507.69	84.90
23 09 23 53-0418		**Three Way Chlorinated Polyvinyl Chloride (CPVC) Electric Control Valves, With Electric Actuator** *(23 09 23 53-0411)*		
23 09 23 53-0419	EA	1/2" Three Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC)	1,035.52	21.08
23 09 23 53-0420	EA	3/4" Three Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC)	1,076.81	25.76
23 09 23 53-0421	EA	1" Three Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC)	1,133.53	27.52
23 09 23 53-0422	EA	1-1/2" Three Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC)	1,363.85	41.57
23 09 23 53-0423	EA	2" Three Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC)	1,667.34	84.90
23 09 23 53-0424		**Two Way Plastic Electric Control Butterfly Valves** *(23 09 23 53-0395)* Note: Includes electric actuator. With NEMA 4X housing.		
23 09 23 53-0425		**Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals** *(23 09 23 53-0424)*		
23 09 23 53-0426	EA	1-1/2" Two Way Electric Control Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	3,202.85	36.88
23 09 23 53-0427	EA	2" Two Way Electric Control Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	3,216.88	43.91
23 09 23 53-0428	EA	3" Two Way Electric Control Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	3,401.93	117.10
23 09 23 53-0429	EA	4" Two Way Electric Control Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	4,112.43	175.66
23 09 23 53-0430	EA	6" Two Way Electric Control Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	4,541.92	234.21
23 09 23 53-0431	EA	8" Two Way Butterfly Control Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	5,127.91	263.48
23 09 23 53-0432		**Polyvinyl Chloride (PVC) With Viton Liner And Seals** *(23 09 23 53-0424)*		
23 09 23 53-0433	EA	1-1/2" Two Way Electric Control Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	3,603.74	36.88
23 09 23 53-0434	EA	2" Two Way Electric Control Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	3,617.77	43.91
23 09 23 53-0435	EA	3" Two Way Electric Control Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	3,834.75	117.10
23 09 23 53-0436	EA	4" Two Way Electric Control Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	4,729.73	175.66
23 09 23 53-0437	EA	6" Two Way Electric Control Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	5,584.94	234.21
23 09 23 53-0438	EA	8" Two Way Butterfly Control Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	6,873.38	263.48
23 09 23 53-0439		**CO2 Sensors** *(23 09 23 53-0285)*		
23 09 23 53-0440	EA	CO2 Sensors Field Equipment, Sensors	521.99	47.37
23 09 23 53-0441		**Switches** *(23 09 23 53-0285)*		
23 09 23 53-0442	EA	Air Pressure/Static Switch Field Equipment, Switches	295.34	59.22
23 09 23 53-0443	EA	Water Pressure/Flow Switch Field Equipment, Switches	345.89	59.22
23 09 23 53-0444		**Miscellaneous Devices** *(23 09 23 53-0285)*		
23 09 23 53-0445	EA	Contactor 20 Amperes, Field Equipment	323.37	94.55
23 09 23 53-0446	EA	Contactor 30 Amperes, Field Equipment	493.83	126.07

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0447		**Network Manager Main Controller** *(23 09 23 53-0285)*		
		Note: Landis & Staefa.		
23 09 23 53-0448	EA	Network Manager, Without Enclosure (NCRE/A)	16,887.88	756.41
23 09 23 53-0449		**Control Cards (Smart-cards)** *(23 09 23 53-0285)*		
		Note: Landis & Staefa.		
23 09 23 53-0450	EA	Smart-Card With Base And Cover (091-60230-410)	1,219.29	126.07
23 09 23 53-0451		**Data Transmission Media** *(23 09 23 53-0285)*		
23 09 23 53-0452		**Terminal Equipment Controllers** *(23 09 23 53-0451)*		
		Note: Landis & Staefa.		
23 09 23 53-0453	EA	TEC, Variable Air Volume Without Heating Hot Water Valve	3,796.49	584.11
		Note: Includes temperature sensors and damper actuator.		
		For No Smart-Card, Deduct	*-391.00*	
23 09 23 53-0454	EA	TEC, Variable Air Volume With Heating Hot Water Valve	4,406.82	584.11
		Note: Includes temperature sensors, water valve actuator and damper actuator.		
		For No Smart-Card, Deduct	*-391.00*	
23 09 23 53-0455		**Remote Monitoring** *(23 09 23 53-0285)*		
23 09 23 53-0456	EA	Advantech ADAM-6015 Analog Module	1,086.15	94.55
		Note: For RTDs.		
23 09 23 53-0457	EA	Advantech ADAM-6050 Digital Module	650.38	94.55
		Note: For pumps and DI.		
23 09 23 53-0458	EA	Ethernet Serial Server (B&B Electronics ESR-901)	701.64	94.55
		Note: For chiller, boiler and access controls.		
23 09 23 53-0459	EA	Lantronix UDS-10 Ethernet Serial Server	501.80	94.55
		Note: For fire alarm.		
23 09 23 53-0460	EA	24 Volt DC, 2.5 Amperes, Power Supply (B&B Electronics DR-60-24)	381.35	94.55
23 09 23 53-0461	EA	8 Port Ethernet Switch (B&B Electronics EIR-308)	957.98	94.55
23 09 23 53-0462	EA	Pyromation RTD R1T185	440.31	94.55
		Note: Pyromation R1T185L483-WI4D0408C8-SL-8HN-63 100 ohm Pt. RTD -200 to 204 Deg C.		
23 09 23 53-0463	EA	Hoffman 36" x 36" x 12" Enclosure Stainless Steel 316 With Panel	9,468.44	151.28
23 09 23 53-0464	EA	IFS-WPS Flow Switch (Potter 9000017)	555.30	94.55
23 09 23 53-0465	EA	Cleveland Controls AFS-222-112 Pressure SW	265.36	94.55
		Note: For air handling unit.		
23 09 23 53-0466	EA	Honeywell S7810M1003 Modbus Module	1,231.11	94.55
		Note: For boiler.		
23 09 23 53-0467	EA	FIREYE EPD160 EP Programmer Code 04	2,529.82	94.55
		Note: For boiler.		
23 09 23 53-0468	EA	FIREYE E110 Flame Monitor	1,593.95	94.55
		Note: For boiler.		
23 09 23 53-0469	EA	FIREYE EPD260 EP Programmer Code 04	1,855.41	94.55
		Note: For boiler.		
23 09 23 53-0470	EA	FIREYE E1R1 Amplifier Module	1,295.13	94.55
		Note: For boiler.		
23 09 23 53-0471		**Thermostats** *(23 09 23 53-0140)*		
23 09 23 53-0472		**Electric And Electronic Thermostats** *(23 09 23 53-0471)*		
		Note: Includes installation, startup and checkout labor. Excludes engineering and programming labor. Each thermostat counts as one control point.		
23 09 23 53-0473	EA	Line Voltage 120 Volt, Heat/Cool Thermostat (Honeywell T651A3018)	231.61	18.94
23 09 23 53-0474	EA	Electronic Non-Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell TH5320)	250.22	18.94
23 09 23 53-0475	EA	Electronic Programmable Heating/Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6110)	229.54	18.94
23 09 23 53-0476	EA	Electronic Programmable Two Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6220)	257.87	18.94
23 09 23 53-0477	EA	Electronic Programmable Three Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6320)	279.16	18.94
23 09 23 53-0478	EA	Electronic Programmable Two Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH8321)	415.62	18.94
23 09 23 53-0479	EA	Humidity Control Electronic Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7351F)	609.96	18.94
23 09 23 53-0480	EA	Lon Communicating Humidity Control Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7350H)	994.21	18.94
23 09 23 53-0481	EA	Modulating Lon Communicating Humidity Control Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7350M)	1,060.97	18.94
23 09 23 53-0482		**Pneumatic Thermostats** *(23 09 23 53-0471)*		
		Note: Includes installation, startup and checkout labor. Excludes engineering and programming labor. Each thermostat counts as two control point.		
23 09 23 53-0483	EA	Pneumatic Thermostat (Honeywell TP970B2182)	326.31	18.94
23 09 23 53-0484		**Thermostats Guards** *(23 09 23 53-0471)*		
23 09 23 53-0485	EA	9-3/4" x 7-1/4" x 3-3/8" Universal Thermostat Guard (Honeywell TG512A1009)	78.09	18.94

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0486	EA	7-1/2" x 6-1/2" x 2-15/16" Universal Thermostat Guard (Honeywell TG511)	93.60	18.94
23 09 23 53-0487	EA	5-7/8" x 5-7/8" x 2-1/2" Deep Universal Thermostat Guard (Honeywell TG510)	88.02	18.94
23 09 23 53-0488		**Johnson Controls** *(23 09 23 53)*		
23 09 23 53-0489		**Software** *(23 09 23 53-0488)*		
		Note: Excludes programming, set-up and commissioning of application.		
23 09 23 53-0490	EA	5 Concurrent User Application And Data Server (Johnson Controls MS-ADS05U-0)	21,018.06	
23 09 23 53-0491	EA	10 Concurrent User External Application And Data Server (Johnson Controls MS-ADX10U-0)	24,860.97	
23 09 23 53-0492	EA	N2 Controllers Commissioning And Download Software (Johnson Controls MW-MTOOL-0)	1,206.20	
23 09 23 53-0493	EA	N2 Controllers Download Cable Kit (Johnson Controls AS-CBLPRO-2)	1,839.52	
23 09 23 53-0494	EA	BACnet FEU Controllers Commissioning And Download Software (Johnson Controls MS-CCTSWO-0)	3,276.21	
23 09 23 53-0495	EA	BACnet Controllers Download Bluetooth Converter (Johnson Controls MS-BTCVT-0)	1,216.92	
23 09 23 53-0496	EA	New User FX Tools Pro CD-Rom (FX Builder, FX Builder Expres, FX CommPro N2, FX CommPro LON, FX CommPro BACnet) Software (Johnson Controls LP-FXTPRO-0)	1,209.69	
23 09 23 53-0497	EA	Upgrade FX Tools Pro CD-Rom (FX Builder, FX Builder Expres, FX CommPro N2, FX CommPro LON, FX CommPro BACnet) Software (Johnson Controls LP-FXTPRO-6)	426.34	
23 09 23 53-0498		**Supervisory Controllers** *(23 09 23 53-0488)*		
23 09 23 53-0499	EA	NAE With 1 RS-485, Support For 50 Devices (Either N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE3510-2)	8,997.95	505.06
23 09 23 53-0500	EA	NAE With 1 RS-485, Support For 100 Devices (Either N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE4511-2)	14,066.08	505.06
23 09 23 53-0501	EA	NAE With 2 RS-485, Support For 200 Devices (N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE5511-1)	19,145.45	505.06
23 09 23 53-0502	EA	NCE, 33 Points, Network Control Engine, 32 N2 Device Support Supervisory Controllers (Johnson Controls MS-NCE2510-0)	7,045.73	505.06
23 09 23 53-0503		**Controllers** *(23 09 23 53-0488)*		
23 09 23 53-0504	EA	10 Point Field Equipment Controller With 2 UI, 1 BI, 3 BO, 4 CO, 24 Volt AC And Sensor Actuator Bus With Mounting Base (Johnson Controls MS-FEU1610-0)	1,043.63	126.27
23 09 23 53-0505	EA	10 Point Field Equipment Controller With 2 UI, 1 BI, 3 BO, 4 CO, 24 Volt AC And Sensor Actuator Bus, Mounting Base And Integral Display (Johnson Controls MS-FEU1620-0)	1,381.57	252.53
23 09 23 53-0506	EA	17 Point Field Equipment Controller With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC, Sensor Actuator Bus And Mounting Base (Johnson Controls MS-FEU2610-0)	1,785.69	252.53
23 09 23 53-0507	EA	17 Point Field Equipment Controller With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC, Sensor Actuator Bus And Integral Display (Johnson Controls MS-FEU2620-0)	2,123.62	252.53
23 09 23 53-0508	EA	BACnet MS/TP 4-Point I/O Module With 4 BI, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM1710-0)	849.75	126.27
23 09 23 53-0509	EA	BACnet MS/TP 6 Point I/O Module With 2 UI, 2 UO, 2 BO, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM2710-0)	935.92	126.27
23 09 23 53-0510	EA	BACnet MS/TP 12 Point I/O Module with 4 UI, 4 UO, 4 BO, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM3710-0)	1,065.18	126.27
23 09 23 53-0511	EA	17 Point I/O Module with 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC And Sensor Actuator Bus With Mounting Base (Johnson Controls MS-IOU4710-0)	1,082.41	126.27
23 09 23 53-0512	EA	BACnet MS/TP Rooftop Controller For Stand-Alone And Networked Zoning Systems (Johnson Controls TEC2664Z-2)	2,211.54	252.53
23 09 23 53-0513	EA	32-bit, Integrated VAV Controller/Actuator/DPT, 3 UI, 3 BO, and 2 CO; 24 Volt AC; Field Controller Bus And Sensor Actuator Bus (Johnson Controls MS-VMA1630-0)	1,059.30	126.27
23 09 23 53-0514	EA	32-bit, Integrated VAV Controller/Actuator/Pressure Sensor - DPT, 3 UI and 3 BO, 2 CO, 24 Volt AC, and Sensor Actuator Bus (Johnson Controls MS-VMA1930-0)	1,550.73	126.27
		Note: Includes 6-pin Sensor Port for use with TE-7xx Series Non-Communicating Sensors and two Ethernet Ports for BACnet/IP Communications		
23 09 23 53-0515		**Master FX Controllers** *(23 09 23 53-0488)*		
23 09 23 53-0516	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, No Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X00-000C)	2,804.30	252.53
23 09 23 53-0517	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, N2 Open Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X01-000C)	3,008.50	252.53
23 09 23 53-0518	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, LON Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X02-000C)	3,109.97	252.53
23 09 23 53-0519	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, RS-232 Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X03-000C)	3,048.30	252.53
23 09 23 53-0520	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, BACnet Communications Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X04-000C)	2,951.93	252.53
23 09 23 53-0521	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, N2 Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X11-000C)	2,967.38	252.53
23 09 23 53-0522	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, BACnet Communications Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X14-000C)	2,951.93	252.53
23 09 23 53-0523	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, No Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X50-000C)	3,008.72	252.53
23 09 23 53-0524	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, N2 Open Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X51-000C)	3,185.07	252.53
23 09 23 53-0525	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, LON Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X52-000C)	3,302.63	252.53
23 09 23 53-0526	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, RS-232 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X53-000C)	3,243.85	252.53
23 09 23 53-0527	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, BACnet Communications Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X54-000C)	3,123.52	252.53

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0528	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, No Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X60-000C)	3,008.72	252.53
23 09 23 53-0529	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, N2 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X61-000C)	3,185.07	252.53
23 09 23 53-0530	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, LON Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X62-000C)	3,302.63	252.53
23 09 23 53-0531	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, RS-232 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X63-000C)	3,243.85	252.53
23 09 23 53-0532	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, BACnet Communications Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X64-000C)	3,123.52	252.53
23 09 23 53-0533	EA	N2 Open Communication Card For FX16 (Johnson Controls LP-NET151-010C)	334.56	63.13
23 09 23 53-0534	EA	LON Communication Card For FX15 and FX16 (Johnson Controls LP-NET152-010C)	479.23	63.13
23 09 23 53-0535	EA	RS-232 Communication Card For FX16 (Johnson Controls LP-NET163-000C)	375.17	63.13
23 09 23 53-0536	EA	BACnet Communications Card For FX16 (Johnson Controls LP-NET164-000C)	334.56	63.13
23 09 23 53-0537	EA	Remote Medium User Interface For FX16 (Johnson Controls LP-DIS60P20-0C)	927.52	63.13
23 09 23 53-0538	EA	Facility Explorer Extension I/O Module (Johnson Controls LP-XT91D00-000C)	853.10	63.13
23 09 23 53-0539	EA	5 UI, 4 BI, 3 AO, 6 Relay DO Expansion I/O Module (Johnson Controls LP-XM07X01-000C)	870.52	63.13
23 09 23 53-0540	EA	5 UI, 4 BI, 3 AO, 2 Triac DO, 4 Relay DO Expansion I/O Module (Johnson Controls LP-XM07X11-000C)	870.52	63.13
23 09 23 53-0541	EA	5 UI, 4 BI, 3 AO, 6 Relay DO (Manual Overrides For 2 AO And 4 Relay DO) Expansion I/O Module (Johnson Controls LP-XM07X51-000C)	957.56	63.13
23 09 23 53-0542	EA	5 UI, 4 BI, 3 AO, 2 Triac DO, 4 Relay DO (Manual Overrides For 2 AO, 2 Triac DO, And 2 Relay DO) Expansion I/O Module (Johnson Controls LP-XM07X61-000C)	957.56	63.13
23 09 23 53-0543	EA	6 UI, 12 BI, 4 AO, 9 Relay DO Expansion I/O Module (Johnson Controls LP-XM14X01-000C)	1,207.79	63.13
23 09 23 53-0544	EA	6 UI, 12 BI, 4 AO, 4 Triac DO Expansion I/O Module (Johnson Controls LP-XM14X11-000C)	1,207.79	63.13
23 09 23 53-0545	EA	6 UI, 12 BI, 4 AO, 9 Relay DO (Manual Overrides For 3 AO And 7 Relay DO) Expansion I/O Module (Johnson Controls LP-XM14X51-000C)	1,349.23	63.13
23 09 23 53-0546	EA	6 UI, 12 BI, 4 AO, 4 Triac DO, 5 Relay DO (Manual Overrides For 3 AO, 2 Triac DO, And 5 Relay DO) Expansion I/O Module (Johnson Controls LP-XM14X61-000C)	1,349.23	63.13
23 09 23 53-0547		**VAV, Network And Special Sensors** *(23 09 23 53-0488)*		
23 09 23 53-0548	EA	3" x 4-1/2", Surface Or Box Mounted, LCD RH Display, 3% RH Accuracy, Occupancy Override, Adjustable Temperature Setpoint BACnet Temperature And Humidity Sensor (Johnson Controls NS-BHR7001-0)	638.03	40.41
23 09 23 53-0549	EA	3" x 4-1/2", Surface Or Box Mounted, Addressing Switch BACnet Temperature Sensor (Johnson Controls NS-BTN7003-0)	210.72	40.41
23 09 23 53-0550	EA	3" x 4-1/2", Surface Or Box Mounted, 3% RH Accuracy, BACnet Temperature And Humidity Sensor (Johnson Controls NS-BHN7001-0)	492.86	40.41
23 09 23 53-0551	EA	3" x 4-1/2", Surface Or Box Mounted, LCD Display, 2% RH Accuracy, Occupancy Override, Adjustable Temperature Setpoint Addressing Switch BACnet Temperature And Humidity Sensor (Johnson Controls NS-BPB7003-0)	739.27	40.41
23 09 23 53-0552	EA	3" x 4-1/2", Surface Or Box Mounted, LCD Display, Occupancy Override, Adjustable Temperature Setpoint, BACnet Temperature Sensor (Johnson Controls NS-BTB7001-0)	242.72	40.41
23 09 23 53-0553	EA	3" x 4-1/2", Surface Or Box Mounted CO2 Sensor, 0 To 2,000 ppm (Johnson Controls NS-BCN7004-0)	669.79	40.41
23 09 23 53-0554		**Sensors - Hard Wired Type** *(23 09 23 53-0488)*		
23 09 23 53-0555	EA	Duct Mount Temperature Sensor, Platinum RT, With Handi-Box (Johnson Controls TFDCR00)	201.12	72.73
23 09 23 53-0556	EA	Well Insertion Temperature Sensor, With Stainless 4-1/2" Well (Johnson Controls TIGB1C0)	174.14	40.41
23 09 23 53-0557	EA	BACnet MS/TP Networked, Single Stage Thermostat (Johnson Controls TEC2601-2) Note: For fan coil units, unit heaters and single stage packaged heating/cooling equipment.	495.70	18.94
23 09 23 53-0558	EA	BACnet MS/TP Networked Two Outputs, Dehumidification Capability And Three Speed Fan Control Thermostat (Johnson Controls TEC2616-2) Note: For two or four pipe fan coils, cabinet unit heaters or other equipment using on/off, floating, or proportional 0 to 10 Volt DC control input, three speeds of fan control, and dehumidification capability.	672.55	18.94
23 09 23 53-0559	EA	BACnet MS/TP Networked Thermostats With Two Outputs (Johnson Controls TEC2627VVT-2) Note: For VVT systems.	496.67	18.94
23 09 23 53-0560	EA	BACnet MS/TP Zone Controller For Proportional Zone Damper, On/Off Or Proportional Reheat Control (Johnson Controls TEC2647Z-2)	654.01	40.41
23 09 23 53-0561	EA	BACnet Zone Controller With Occupancy Sensor For Proportional Zone Damper, On/Off Or Proportional Reheat Control (Johnson Controls TEC2647Z-2+PIR)	807.06	40.41
23 09 23 53-0562		**Melink Intelli-Hood IH3 Controls** *(23 09 23 53)*		
23 09 23 53-0563		**Kitchen Ventilation Controllers** *(23 09 23 53-0562)*		
23 09 23 53-0564	EA	Fully Programmable Kitchen Ventilation Controller (Melink Intelli-Hood 2SYS-3001) Note: RS-485 communication protocol supports up to 39 Hood Controllers, 10 graphical user interface devices, 10 auxiliary power supplies, and 10 auxiliary light controllers. Modbus VFD communications interface for support of up to 64 variable frequency drives, programmable I/O points. Includes 3 digital inputs, 4 digital outputs, 1 analog output, and 1 analog input. BACnet over TCP/IP Interface, Real-Time Clock with battery back-up.	10,477.32	505.06
23 09 23 53-0565	EA	Graphical User Interface (Melink Intelli-Hood 2KPD-3001) Note: Full color 2.5" display and programming interface device. RS-485 communication protocol for interface with main controller.	2,002.36	104.16
23 09 23 53-0566	EA	Hood Controller (Melink Intelli-Hood 2SEN-3001) Note: 6 point field I/O device, RS-485 communication protocol, supports up to 4 field temperature sensors and 1 optic sensor system.	3,239.39	420.46
23 09 23 53-0567		**Kitchen Ventilation Sensors** *(23 09 23 53-0562)*		
23 09 23 53-0568	EA	Duct Mount Stainless Steel RTD (Melink Intelli-Hood 2SEN-3005-Q) Note: Includes UL listed mounting compression fitting, stainless steel probe protection sleeve, RJ-45 communication connector.	587.50	72.73

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0569	EA	Optic Sensor System For Detection Of Cooking Effluent (Melink Intelli-Hood 2SEN-3004-28) ..... Note: Includes air purge unit, infrared emitter/receiver with stainless steel housings. Auto-calibration, 0.2 second response time, conformal-coated circuit boards, purge pipe assembly complete with UL listed compression fittings, communication interface cables and blower box assembly.	5,066.32	404.05
23 09 23 53-0570		**Siemens Controls** *(23 09 23 53)*		
23 09 23 53-0571	EA	Concealed Temperature Set Point Adjustment, Electric Line Voltage Heating/Cooling Thermostat (Siemens 134-1083)	477.80	18.94
23 09 23 53-0572	EA	Exposed Temperature Set Point Adjustment, Electric Line Voltage Heating/Cooling Thermostat (Siemens 134-1085)	336.13	18.94
23 09 23 53-0573	EA	SPST/Manual Reset, 1" To 12" Set Point Range, Differential Static Pressure Airflow Switch (Siemens 141-0575)	342.86	85.30
23 09 23 53-0574	EA	-0.5" To 0.5" WG, Low Differential Pressure Transmitter (Siemens 141-0591)	524.04	85.30
23 09 23 53-0575	EA	Spring Clip Mounting Kit For Thermostat (Siemens 182-685)	81.04	12.63
23 09 23 53-0576	EA	Two Position, Pneumatic Circuit, RL243 Switching Relay (Siemens 243-0001)	270.82	126.27
23 09 23 53-0577	EA	3/4" Two Way, Normally Closed, 6.3 Cv, FxF, Brass Trim, Floating, Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 260-02012)	438.44	20.37
23 09 23 53-0578	EA	1" Three Way, 10 Cv, FxF, Stainless Steel Trim. Floating, Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 266-02079)	773.04	36.98
23 09 23 53-0579	EA	1" Three Way, 10 Cv, FxF, Brass Trim, 0 To 10 Volt DC, 4 To 20 mA Electronic Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 274-03203)	1,567.46	36.98
23 09 23 53-0580	EA	1-1/4" Two Way, 16 Cv, FxF, Stainless Steel Trim, 0 To 10 Volt DC Electronic Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 298-03006)	1,321.10	46.85
23 09 23 53-0581	EA	36" Rigid Probe, 4 To 20 mA, 20 To 120 Degree F Range, Duct Averaging Sensor (Siemens 535-490-36)	344.42	72.73
23 09 23 53-0582	EA	-58 To 122 Degree F Range, Outside Air Temperature Sensor (Siemens 536-768)	291.24	40.41
23 09 23 53-0583	EA	Unit Conditioner Controller With Secure Mode (Siemens 540-110C)	637.68	59.60
23 09 23 53-0584	EA	9-Pin, Female To RJ-11 Cable (Siemens 540-143)	116.26	6.31
23 09 23 53-0585	EA	Terminal Box Controller, Electronic Output, For Trane (Siemens 540-800)	1,029.41	121.22
23 09 23 53-0586	EA	MMI Extension Cable (Siemens 545-712)	183.48	6.31
23 09 23 53-0587	EA	Remote Pressure Transmitter (Siemens 547-003)	1,542.31	40.41
23 09 23 53-0588	EA	Cooling Only, GDE, BACnet Actuating Terminal Equipment Controller (Siemens 550-400)	944.51	30.30
23 09 23 53-0589	EA	BACnet Unit Conditioner Fan Coil Controller (Siemens 550-433)	817.08	80.81
23 09 23 53-0590	EA	Door Lock And Key Assembly (Siemens 567-225)	44.68	25.25
23 09 23 53-0591	EA	Insight Advanced Software Package (Siemens 571-010-381-USB) ..... Note: Includes one user license and one sentinel key.	15,665.16	
23 09 23 53-0592	EA	BACnet Client Option For Insight Advanced Software Package (Siemens 571-188)	546.23	
23 09 23 53-0593	EA	Soft Controller Option For Insight Advanced Software Package (Siemens 571-620)	3,442.30	
23 09 23 53-0594	EA	1" Steam, Normally Open, 10 Cv, Stainless Steel Trim, Class 250 Globe Valve (Siemens 599-03059)	514.76	12.30
23 09 23 53-0595	EA	2" Steam, Normally Open, 40 Cv, Stainless Steel Trim, Class 250 Glove Valve (Siemens 599-03062)	1,086.11	21.31
23 09 23 53-0596	EA	Firefinder XLS Driver, Modular Equipment Controller With RS-485 BLN, 8 DI, 8 DO, 8 AI, 8 AO, Point Expansion Support, HOA-Ready (Siemens 986-83481C)	10,289.43	50.51
23 09 23 53-0597	EA	SiPass Driver, Modular Equipment Controller With RS-485 ALN, 8 DI, 8 DO, 8 AI, 8 AO, Point Expansion Support, Modem With HOA (Siemens 986-83482F)	12,123.53	50.51
23 09 23 53-0598	EA	7" x 13-7/16" x 3-3/4" Weather Shield (Siemens ASK75.3U)	187.64	18.94
23 09 23 53-0599	EA	Two Position, 24 Volt AC/Volt DC, Standard Cabling, Dual Auxiallary Switches, Electronic Damper Actuator With Spring Return (Siemens GMA126.1U)	468.28	51.05
23 09 23 53-0600	EA	Modulating, 0 To 10 Volt DC, 24 Volt AC/Volt DC, Standard Cabling, Electronic Damper Actuator With Spring Return (Siemens GMA161.1U)	500.09	51.05
23 09 23 53-0601	EA	License To Enable 4 TX-I/O Modules On the Island Bus And FLN Support On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-36.A)	4,552.69	
23 09 23 53-0602	EA	License To Enable FLN Support On PXC-16 or PXC-24 "F" Models (Siemens LSM-FLN)	919.31	
23 09 23 53-0603	EA	License To Enable FLN Support On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-FLN36.A)	2,958.71	
23 09 23 53-0604	EA	License To Enable BACnet Field Panel Web Server (PXC-36) Or Web Services (PXC-16/24) (Siemens LSM-FPWEB)	2,118.02	
23 09 23 53-0605	EA	License To Enable 4 TX-I/O Modules On the Island Bus On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-IB36.A)	1,820.76	
23 09 23 53-0606	EA	License To Enable SNMP Agent License To Enable SNMP Agent (Siemens LSM-SNMP)	5,382.98	
23 09 23 53-0607	EA	16-Switch HOA Upgrade Kit (Siemens PXA16-M)	855.77	2.53
23 09 23 53-0608	EA	16-Switch HOA Upgrade Kit (Extended Temp, UL 916) With HMI Cable (Siemens PXA16-MR)	955.09	10.10
23 09 23 53-0609	EA	8-Switch HOA Upgrade Kit (Siemens PXA8-M)	483.80	2.53
23 09 23 53-0610	EA	18" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC18)	474.98	70.71
23 09 23 53-0611	EA	19" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC19)	831.99	70.71
23 09 23 53-0612	EA	34" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC34)	1,168.24	80.81
23 09 23 53-0613	EA	Serial Cable Required For HOA Or PXM10T/S Connection To Non-Rooftop Variants Of The 16-Point And 24-Point Compact Series (Siemens PXA-HMI.CABLEP5)	42.46	12.63
23 09 23 53-0614	EA	115 Volt, 24 Volt AC, 50/60 Hertz, 192 VA PX Series Service Box (Siemens PXA-SB115V192VA)	842.92	31.57
23 09 23 53-0615	EA	115 Volt, 24 Volt AC, 50/60 Hertz, 384 VA PX Series Service Box (Siemens PXA-SB115V384VA)	1,353.80	31.57
23 09 23 53-0616	EA	230 Volt, 24 Volt AC, 50/60 Hertz, 192 VA PX Series Service Box (Siemens PXA-SB230V192VA)	1,031.14	31.57
23 09 23 53-0617	EA	230 Volt, 24 Volt AC, 50/60 Hertz, 384 VA PX Series Service Box (Siemens PXA-SB230V384VA)	1,568.93	31.57
23 09 23 53-0618	EA	PXC Modular, BACnet/IP Or MS/TP ALN, P1 Or MS/TP FLN, PXX-485.3 Is Also Required As The Connection To The FLN Devices (Siemens PXC00-E96.A)	4,592.49	63.13
23 09 23 53-0619	EA	PXC Modular Series For BACnet Networks, TX-I/O Module, 96 Node (Siemens PXC100-E96.A)	5,941.12	63.13
23 09 23 53-0620	EA	Peer To Peer, TX-I/O, 96 Node, APOGEE Automation System, Programmable Controller - Modular (Siemens PXC100-PE96.A)	6,769.10	63.13
23 09 23 53-0621	EA	16 Point, BACnet/IP ALN Compact Programmable Controller (Siemens PXC16.2-E.A)	1,859.41	63.13
23 09 23 53-0622	EA	16 Point, BACnet/IP ALN, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC16.2-EF.A)	2,224.12	63.13
23 09 23 53-0623	EA	16 Point, MS/TP ALN Compact Programmable Controller (Siemens PXC16.2-M.A)	1,982.47	63.13
23 09 23 53-0624	EA	24 Point, BACnet/IP ALN Compact Programmable Controller (Siemens PXC24.2-E.A)	2,713.08	63.13
23 09 23 53-0625	EA	24 Point, BACnet/IP ALN, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC24.2-EF.A)	2,964.90	63.13
23 09 23 53-0626	EA	24 Point, BACnet/IP ALN, Rooftop Compact Programmable Controller (Siemens PXC24.2-ER.A)	2,902.43	63.13
23 09 23 53-0627	EA	24 Point, BACnet/IP ALN, Rooftop, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC24.2-ERF.A)	3,128.06	63.13
23 09 23 53-0628	EA	24 Point, MS/TP ALN Compact Programmable Controller (Siemens PXC24.2-M.A)	2,896.74	63.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0629	EA	24 Point, MS/TP ALN, Rooftop Compact Programmable Controller (Siemens PXC24.2-MR.A)	3,126.52	63.13
23 09 23 53-0630	EA	36 Point, BACnet/IP Or MS/TP ALN Compact Programmable Controller (Siemens PXC36-E.A)	4,031.07	63.13
23 09 23 53-0631	EA	36 Point, BACnet/IP or MS/TP ALN, Island Bus, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC36-EF.A)	8,047.43	63.13
23 09 23 53-0632	EA	License To Enable The Island Bus On PXC00-E96.A and PXC00-PE96.A (Siemens PXF-TXIO.A)	1,365.84	
23 09 23 53-0633	EA	Controller Mounted Operator Display Module With Point Monitor And Optional Blue Backlight (Siemens PXM10S)	542.45	31.57
23 09 23 53-0634	EA	Controller Mounted Operator Display Module (Siemens PXM10T)	394.97	31.57
23 09 23 53-0635	EA	Provides FLN Support For The PXC Modular (Siemens PXX-485.3) Note: Includes Three RS-485 P1 FLN Connections Or One MS/TP FLN Connection, Maximum Of 96 Devices Supported	900.21	25.25
23 09 23 53-0636	EA	Full Feature With Display, Override And Temperature Setpoint Adjustment, Room Temperature Sensor, 10K Ohm Type III Thermistor (Siemens QAA22SS.FWSN)	304.83	31.57
23 09 23 53-0637	EA	Digital Temperature Room Unit for TEC, Sensing, Setpoint, Override, Display, No Logo (Siemens QAA2280.FWNC)	296.67	40.41
23 09 23 53-0638	EA	4" Platinum, 1,000 Ohm, 385 Alpha Probe, Immersion Temperature Sensor (Siemens QAE2012.010)	147.50	31.57
23 09 23 53-0639	EA	8" Platinum, 1,000 Ohm, 385 Alpha Probe, Duct Temperature Sensor (Siemens QAM2012.020)	109.78	31.57
23 09 23 53-0640	EA	24' Flexible Averaging Probe (Siemens QAM2012.750)	324.80	63.13
23 09 23 53-0641	EA	2 Meter Flexible Duct Temperature Sensor With Four Mounting Clamps (Siemens QAM2120.200)	207.44	47.34
23 09 23 53-0642	EA	10 HP, 240 Volt, NEMA 2 Variable Frequency Drive (Siemens SED2-7.5/22X)	3,658.30	406.83
23 09 23 53-0643	EA	Two Sets, Address Keys 1 - 12, Accessory For TX-I/O Module (Siemens TXA1.K12)	38.60	12.63
23 09 23 53-0644	EA	Labels For HOA And TX-I/O Modules (Siemens TXA1.LLT-P100)	0.89	
23 09 23 53-0645	EA	16 Digital Input Module (Siemens TXM1.16D)	676.37	12.63
23 09 23 53-0646	EA	6 Digital Output Relay Points, Manual Override, Digital Output Module (Siemens TXM1.6R-M)	1,024.34	12.63
23 09 23 53-0647	EA	8 Universal Points, Local Override/Identification, Digital Output Module (Siemens TXM1.8X-ML)	1,645.31	25.25
23 09 23 53-0648	EA	1.2 A, 4A Fuse, Power Supply (Siemens TXS1.12F4)	502.64	7.58

23 09 23 53-0649 Trane Controls *(23 09 23 53)*

23 09 23 53-0650 Software *(23 09 23 53-0649)*

Note: Excludes programming, set-up and commissioning of application.

23 09 23 53-0651	EA	Summit + Building Management Package (Trane 40201152)	7,775.39	
23 09 23 53-0652	EA	Summit Current Version Software (Trane 40201111)	4,387.77	
23 09 23 53-0653	EA	Summit Customer Upgrade Package, Currently V10-V16 To V17 (Trane 40201113)	1,061.83	
23 09 23 53-0654	EA	Rover Service Software And Hardware, Complete Kit (Trane X1365150001)	4,361.27	
23 09 23 53-0655	EA	Tracer SC With -X1365152401 - BACnet (2 Pack) (Trane BMSC000AAA011000)	12,066.27	

23 09 23 53-0656 EMCS Central Equipment And Controllers *(23 09 23 53-0649)*

23 09 23 53-0657	EA	Summit BTMX Operator Display Upgrade (Trane 40201224)	6,651.79	505.06
23 09 23 53-0658	EA	Summit BTMX Retrofit Kit For BMTS And BMTW BCU (Trane 49500531)	15,269.43	505.06
23 09 23 53-0659	EA	Summit BTMX Retrofit Kit For Tracer 100 (Trane 49500532)	15,269.43	505.06
23 09 23 53-0660	EA	Summit BTMX, 120 Volt, (Trane BMTX-001-A-A-B0-00)	13,398.24	505.06
23 09 23 53-0661	EA	Summit BTMX, 120 Volt, With Display (Trane BMTX-001-A-A-B0-10)	15,573.86	505.06
23 09 23 53-0662	EA	Summit CCP Upgrade ROM Kit (Trane 40201095)	234.59	31.57
23 09 23 53-0663	EA	Summit Comm5 Repeater (Trane 49500457)	1,808.66	252.53
23 09 23 53-0664	EA	AHU Controller MP580/581 E Board Only (Trane 40201157)	3,086.85	315.66
23 09 23 53-0665	EA	AHU Controller MP581 120 Volt AC With Enclosure And Display (Trane BMTM000AAC01)	3,963.92	378.80
23 09 23 53-0666	EA	AHU Controller MP581 120 Volt AC With Enclosure, No Display (Trane BMTM000AAC00)	3,099.26	378.80
23 09 23 53-0667	EA	AHU Controller MP581 Operator Door Display (Trane 40201156)	2,611.43	378.80
23 09 23 53-0668	EA	AHU Controller MP581 Portable, Rugged, With Case (Trane 49500491)	2,608.74	378.80
23 09 23 53-0669	EA	Controller MP503 I/O Module With Metal Enclosure (Trane 49500590)	1,182.42	126.27
23 09 23 53-0670	EA	Controller MP503 I/O Module With Plastic Cover (Trane 49500490)	1,074.94	126.27
23 09 23 53-0671	EA	Controller MP581 EX2 Expansion Module With Metal Enclosure (Trane 49500500)	1,935.03	252.53
23 09 23 53-0672	EA	Controller MP581 EX2 Expansion Module With Plastic Cover (Trane 49500499)	1,845.89	252.53
23 09 23 53-0673	EA	2 Position, FCU Controller ZN511 Zone With Metal Enclosure (Trane 49500569)	1,035.57	126.27
23 09 23 53-0674	EA	2 Position, FCU Controller ZN511 Zone With Plastic Cover (Trane 4950-0469)	906.15	126.27
23 09 23 53-0675	EA	4 Position, FCU Controller ZN517 Zone With Metal Enclosure (Trane 49500596)	1,354.03	126.27
23 09 23 53-0676	EA	4 Position, FCU Controller ZN517 Zone With Plastic Cover (Trane 49500496)	1,225.32	126.27
23 09 23 53-0677	EA	Modulating FCU Controller ZN520 Zone With Plastic Cover (Trane 4950049)	1,047.09	126.27
23 09 23 53-0678	EA	Modulating FCU Controller ZN520 Zone With Plastic Cover (Trane 49500496)	997.67	126.27
23 09 23 53-0679	EA	Modulating Tri ST FCU Controller ZN521 Zone With Metal Cover (Trane 49500570)	1,149.43	126.27
23 09 23 53-0680	EA	Modulating Tri ST FCU Controller ZN521 Zone With Plastic Cover (Trane 49500470)	1,047.09	126.27
23 09 23 53-0681	EA	DDC VAV Retrofit Kit (Trane VRTODD01)	1,448.01	252.53
23 09 23 53-0682	EA	DDC VAV Retrofit Kit With Belimo Actuator (Trane VRTODD01BLMO)	1,575.29	252.53

23 09 23 53-0683 Network, VAV And Special Sensors *(23 09 23 53-0649)*

23 09 23 53-0684	EA	Digital Display Zone Sensor (Trane X13790464010)	247.66	40.41
23 09 23 53-0685	EA	Single Setpoint Wall Mounted Zone Temperature Sensor (Trane X13511529010)	164.29	40.41
23 09 23 53-0686	EA	Wall Mounted Zone Temperature-Only Sensor (Trane X13511528010)	150.23	40.41
23 09 23 53-0687	EA	Ceiling Mount Zone Occupancy Sensor (Trane X13790421-01)	305.49	45.46
23 09 23 53-0688	EA	Zone LCD O/C Setpoint, 3 Speed Fan (Trane 41901121)	183.51	40.41
23 09 23 53-0689	EA	Zone Sensor LCD O/C Setpoint (Trane 41901120)	183.51	40.41
23 09 23 53-0690	EA	Duct CO2 Sensor, 0 To 2,000 ppm (Trane X13790423010)	644.87	72.73
23 09 23 53-0691	EA	Room CO2 Sensor, 0 To 2,000 ppm (Trane X13790422010)	592.19	40.41
23 09 23 53-0692	EA	Transformer 120/24 40 VA (Trane X13550284010)	143.20	40.41
23 09 23 53-0693	EA	Transformer 24 Volt AC Wall Plug-In (Trane 35803005)	138.17	40.41
23 09 23 53-0694	EA	Transformer UL Listed 120 Volt AC, 40 VA (Trane 35812022)	130.14	40.41
23 09 23 53-0695	EA	Controller UC400 VAV Kit With Enclosure, And Belimo (Trane 5189454010)	1,627.10	252.53
23 09 23 53-0696	EA	Controller UC400 VAV Kit With Enclosure, No Actuator (Trane 5189456010)	1,558.43	252.53

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0697	EA	Controller UC400 XM32 Module (4 Relay) (Trane X13651563010)	1,415.14	252.53
23 09 23 53-0698	EA	Controller UC400 XM70 (8UI,6UI/AO,4R,1P) (Trane X13651568010)	2,531.40	378.80
23 09 23 53-0699	EA	Controller UC400 XM30 I/O Module (4 UI/AO) (Trane X13651537010)	1,415.14	252.53
23 09 23 53-0700	EA	Controller UC210 VAV With Belimo Actuator (Trane BMUC210AAA0B00011)	1,487.82	252.53
23 09 23 53-0701	EA	Controller UC210 VAV Without Actuator (Trane BMUC210AAA0100011)	1,493.49	252.53
23 09 23 53-0702	EA	Controller Optional Metal Enclosure, UC210 (Trane 501898)	537.85	251.46
23 09 23 53-0703	EA	Controller UC400 PM014 24 Volt AC To 1.4 Amperes, 24 Volt DC (Trane X1365153801)	779.76	251.46
23 09 23 53-0704	EA	Controller Tracer UC600 Controller (Trane BMUC600AAA0100011)	2,835.75	378.80
23 09 23 53-0705	EA	Controller UC600 Tracer TD7 Display (Trane X13651571010)	2,725.26	378.80
23 09 23 53-0706	EA	Controller UC600 TD7 Mounting Bracket (Trane X05010511010)	168.31	50.32
23 09 23 53-0707	EA	Controller UC400 13" DIN Rail Enclosure, 120 Volt (Trane X13651559010)	610.46	50.32
23 09 23 53-0708	EA	SC 24" DIN Rail Enclosure, 120 Volt (Trane X13651552010)	2,904.05	378.80
23 09 23 53-0709	EA	BACnet Term (2 Pack) (Trane X1365152401)	266.94	90.53
23 09 23 53-0710	EA	Tracer ES Add License (Trane X40250125010)	3,480.72	
23 09 23 53-0711	EA	Kit - Tracer TU For Controls (Trane X4509151201)	5,338.95	505.06
23 09 23 53-0712	EA	Kit - Tracer TU Complete (Trane X4509151301)	7,022.41	505.06
23 09 23 53-0713	EA	Tracer TU Adapter Wired/Wireless (Trane X13651529010)	692.83	90.53
23 09 23 53-0714	EA	Sensor Wireless Zone Sensor, Fahrenheit (Trane X13790492010)	396.52	90.53
23 09 23 53-0715	EA	Sensor Wireless Display Sensor (Trane X13790822010)	448.75	90.53
23 09 23 53-0716	EA	Sensor Wireless Receiver, 100mW (Trane X13790854010)	401.54	90.53
23 09 23 53-0717	EA	Sensor Wireless Comm Interface (WCI) Indoor, 100mW (Trane X13790901010)	546.03	90.53
23 09 23 53-0718	EA	Sensor Wireless Comm Interface (WCI) Outdoor, 100mW (Trane X13790941010)	595.24	90.53

23 09 23 53-0719 Control Sensors, Meters, Relays, Power Supplies, Valves, Dampers And Actuators *(23 09 23 53)*

23 09 23 53-0720 Room Pressure Monitoring *(23 09 23 53-0719)*

23 09 23 53-0721	EA	Hospital Room Pressure Monitor With Digital Interface Monitor, Through Wall Sensor Transformer And Plenum Rated Cable (TSI 8640-PM)	3,549.19	63.81
23 09 23 53-0722	EA	Hospital Room Pressure Controller With Digital Interface Monitor, Through Wall Sensor Transformer And Plenum Rated Cable (TSI 8630-PC) Note: Excludes dampers and actuators.	5,729.71	63.81
23 09 23 53-0723	EA	Hospital Room Pressure Status Remote Visual Display (TSI 8694-4)	447.72	38.29
23 09 23 53-0724	EA	Hospital Room Pressure Status Remote Negative/Neutral Key Switch (TSI 8694-7)	517.31	38.29

23 09 23 53-0725 Current Switches And Current Sensors *(23 09 23 53-0719)*

23 09 23 53-0726	EA	Up To 20 Amperes, 0 To 5 Volt DC, Current Sensor (Senva C-1203)	153.24	40.41
23 09 23 53-0727	EA	Up To 20 Amperes, 4-20mA, Current Sensor (Senva C-1205)	159.27	40.41
23 09 23 53-0728	EA	0.5 To 135 Amperes Range, Split Core, VFD Current Switch (Senva C-2350VFD-L)	247.66	40.41
23 09 23 53-0729	EA	0.15 To 100 Amperes Range, Split Core, Current Switch With NC Command Relay (Senva C-2300 And CR4-24)	145.21	40.41
23 09 23 53-0730	EA	0 To 50/100/200 Amperes (Selectable), 4-20mA, 0 To 5 Volt DC, Split Core, DC Current Sensor (Veris H970HCA)	452.57	40.41
23 09 23 53-0731	EA	0 To 20/40/80 Amperes (Selectable), 0-20mA, 0 To 5 Volt DC, Split Core, DC Current Sensor (Veris H970LCC)	287.58	40.41
23 09 23 53-0732	EA	1 To 135 Amperes, N.O. Contact, 1 Ampere At 110 Volt, Current Switch (Veris H709)	218.71	40.41
23 09 23 53-0733	EA	0 To 10/20/40 Amperes, 4-20mA Analog Output, Solid Core, Loop Powered, Current Switch (Veris H721)	218.71	40.41
23 09 23 53-0734	EA	Energy Meter H8163 Series, With BACnet Output (Veris H8186-CB-BAC)	5,931.89	202.03
23 09 23 53-0735	EA	100 Amperes, Modbus RTU, Power Transducer (Veris H8035-0100-2) Note: 3 phase networked transducer.	1,508.65	40.41
23 09 23 53-0736	EA	2,400 Amperes, Three Current Switches, Pulse Output, Phase Loss Alarm Output, Energy Meter (Veris H8163-2400-4-3)	2,294.73	40.41
23 09 23 53-0737	EA	Up To 20 Amperes, 0-5 Volt DC, Current Transducer (Kele 4CTV)	234.88	40.41
23 09 23 53-0738	EA	Solid Core Fixed Setpoint Digital Output Current Switch (Veris H-800)	347.43	107.33
23 09 23 53-0739	EA	Split Core Fixed Setpoint Digital Output Current Switch (Veris H-900)	347.92	107.33
23 09 23 53-0740	EA	Solid Core Adjustable Setpoint Digital Output Current Sensor (Veris H-708)	372.02	107.33
23 09 23 53-0741	EA	Split Core Adjustable Setpoint Digital Output Current Sensor (Veris H-908)	378.05	107.33
23 09 23 53-0742	EA	Solid And Split Core Adjustable Setpoint Digital Output VFD Current Switch (Veris H-904)	412.20	107.33
23 09 23 53-0743	EA	Toggle Switch	141.55	50.51
23 09 23 53-0744	EA	Maintained Pushbutton Switch	151.39	50.51
23 09 23 53-0745	EA	Manual Time Switch	244.17	50.51
23 09 23 53-0746	EA	Emergency Stop Switch	410.08	50.51
23 09 23 53-0747	EA	Float Switch	392.26	50.51
23 09 23 53-0748	EA	Break Glass Switch	1,295.82	50.51
23 09 23 53-0749	EA	Boiler E-Stop Switch	788.87	50.51

23 09 23 53-0750 Relays *(23 09 23 53-0719)*

23 09 23 53-0751	EA	DPDT, 24 Volt AC, Blade, Standard Relay (Kele RH2B-UAC24V)	126.12	40.41
23 09 23 53-0752	EA	SPDT, 24 Volt AC/Volt DC, 120 Volt AC Multi-Voltage Relay Module (Kele PAM-1)	138.48	40.41
23 09 23 53-0753	EA	SPDT, 24 Volt AC/Volt DC, 120 Volt AC Power Relay (Kele RIB2401B) Note: Box type.	196.30	50.51
23 09 23 53-0754	EA	Motor Starter Interface, 300msec Pulse (Kele PIL-2)	249.31	40.41
23 09 23 53-0755	EA	DP Relay Socket, DIN Rail Mounted (Kele SH2B-05)	117.16	40.41
23 09 23 53-0756	EA	SP Relay Socket, DIN Rail Mounted (Kele SH1B-05)	115.35	40.41
23 09 23 53-0757	EA	SPDT, 24 Volt AC, Blade, Standard Relay (Kele RH1B-UAC24V)	126.12	40.41
23 09 23 53-0758	EA	DPDT, 24 Volt AC, Blade, Indicator Light Relay (Kele RH2B-ULAC24V)	131.77	40.41
23 09 23 53-0759	EA	SPDT, 24 Volt AC, Blade, Indicator Light Relay (Kele RH1B-ULAC24V)	133.31	40.41
23 09 23 53-0760	EA	SPDT Pilot Relay, Universal (Kele RIBU1C) Note: Box type.	144.25	50.51
23 09 23 53-0761	EA	SPST Pilot Relay With HOA Switch (Kele RIBU1S) Note: Box type.	194.67	50.51

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0762	EA	SPDT 3 Phase Line Voltage Monitor, .1-5 Minute Delay On Break Timer (ICM400)	350.18	50.51
23 09 23 53-0763	EA	SPDT 3-Phase Line Voltage Monitor, 0-10 Minute Delay On Break Timer (ICM450)	347.95	50.51
23 09 23 53-0764		**Transformers** *(23 09 23 53-0719)*		
23 09 23 53-0765	EA	50 VA, 120/240/277/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X050CBA)	151.92	40.41
23 09 23 53-0766	EA	75 VA, 120-24 Volt AC, CB Foot And Dual Hub Control Transformer (Veris X075CAB)	165.94	40.41
23 09 23 53-0767	EA	75 VA, 120/208/240/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X075CBA)	165.94	40.41
23 09 23 53-0768	EA	100 VA, 120-24 Volt AC, CB Foot And Dual Hub Control Transformer (Veris X100CAB)	178.63	40.41
23 09 23 53-0769	EA	100 VA, 120/240/277/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X100CBA)	186.45	40.41
23 09 23 53-0770		**Power Supplies** *(23 09 23 53-0719)*		
23 09 23 53-0771	EA	Solid Core Current Operated Switch, Terminals, Adjustable Trip, 0.5-150A, SPST (Kele RIBXKTA)	230.81	40.41
23 09 23 53-0772	EA	AC/DC Power Supply, 1.2 Amperes At 24 Volt Output (Kele DCPA-1.2)	269.72	40.41
23 09 23 53-0773	EA	DC Power Supply, 5 Volt DC And 24 Volt DC Output (Kele DCP-524)	252.18	40.41
23 09 23 53-0774	EA	DC Power Supply, 24 Volt DC, DIN Rail Mounted (Kele DCP-250-D)	260.48	40.41
23 09 23 53-0775	EA	DC Power Supply, 24 Volt DC, Hub Mounted (Kele DCP-250-H)	253.08	40.41
23 09 23 53-0776	EA	DC Power Supply, 24 Volt DC, Panel Mounted (Kele DCP-250-P)	265.46	40.41
23 09 23 53-0777	EA	DC Power Supply, 24 Volt AC In To Custom DC Out, At 1.5 Amperes (Kele DCP-1.5-W-C)	197.36	40.41
23 09 23 53-0778		**Carrier Sensors And Controls** *(23 09 23 53)*		
23 09 23 53-0779	EA	Touch Screen Controller, Supports 512 ID Units (Carrier BMS-CT5120UL)	6,281.02	168.18
23 09 23 53-0780	EA	Wired Remote Controller (Carrier RBC-AMS54E-UL)	393.30	40.41
23 09 23 53-0781	EA	Remote Sensor (Carrier TCB-TC41UL)	339.51	40.41
23 09 23 53-0782	EA	VRF Start-up Assistance (Carrier VRFSA)	2,445.30	
23 09 23 53-0783	EA	2 Speed VFD Display Kit (Carrier CRDISKIT001A00)	542.30	63.13
23 09 23 53-0784		**SETRA Controls** *(23 09 23 53)*		
23 09 23 53-0785	EA	Low Differential Pressure Transducer (SETRA 264)	369.92	42.05

23 09 43 Pneumatic Control System For HVAC *(23 09)*

23 09 43 00-0001 Pneumatic Tubing For HVAC Instrumentation and Control Devices *(23 09 43)*

23 09 43 00-0002 Polyurethane Pneumatic Tubing *(23 09 43 00-0001)*

23 09 43 00-0003	LF	1/4" Outside Diameter x 1/32" Thick Wall Polyurethane Pneumatic Tubing	2.51	0.97
23 09 43 00-0004	LF	5/32" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing	3.21	1.00
23 09 43 00-0005	LF	3/8" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing	4.22	1.03
23 09 43 00-0006	LF	1/2" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing	5.39	1.06

23 09 43 00-0007 Fire Resistant Polyethylene Pneumatic Tubing *(23 09 43 00-0001)*

23 09 43 00-0008	LF	1/4" Outside Diameter x .040" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	2.23	0.97
23 09 43 00-0009	LF	5/32" Outside Diameter x .030" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	2.40	1.00
23 09 43 00-0010	LF	3/8" Outside Diameter x .062" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	2.76	1.03
23 09 43 00-0011	LF	1/2" Outside Diameter x .062" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	3.46	1.06

23 09 43 00-0012 Nylon Pneumatic Tubing *(23 09 43 00-0001)*

23 09 43 00-0013	LF	1/8" Outside Diameter x .016" Thick Wall Nylon Pneumatic Tubing	2.66	0.94
23 09 43 00-0014	LF	1/4" Outside Diameter x .035" Thick Wall Nylon Pneumatic Tubing	3.56	0.97
23 09 43 00-0015	LF	3/8" Outside Diameter x .050" Thick Wall Nylon Pneumatic Tubing	5.42	1.03
23 09 43 00-0016	LF	1/2" Outside Diameter x .062" Thick Wall Nylon Pneumatic Tubing	6.98	1.06

23 09 43 00-0017 Flexible Vinyl Pneumatic Tubing *(23 09 43 00-0001)*

23 09 43 00-0018	LF	1/4" Outside Diameter Flexible Vinyl Pneumatic Tubing	2.60	0.97
23 09 43 00-0019	LF	3/8" Outside Diameter Flexible Vinyl Pneumatic Tubing	4.25	1.03
23 09 43 00-0020	LF	1/2" Outside Diameter Flexible Vinyl Pneumatic Tubing	5.15	1.06
23 09 43 00-0021	LF	5/8" Outside Diameter Flexible Vinyl Pneumatic Tubing	6.30	1.09
23 09 43 00-0022	LF	3/4" Outside Diameter Flexible Vinyl Pneumatic Tubing	7.15	1.11
23 09 43 00-0023	LF	1" Outside Diameter Flexible Vinyl Pneumatic Tubing	9.84	1.14

23 09 43 00-0024 Braided Vinyl Pneumatic Tubing *(23 09 43 00-0001)*

23 09 43 00-0025	LF	5/8" Outside Diameter Braided Vinyl Pneumatic Tubing	3.54	1.09
23 09 43 00-0026	LF	3/4" Outside Diameter Braided Vinyl Pneumatic Tubing	4.14	1.11
23 09 43 00-0027	LF	1" Outside Diameter Braided Vinyl Pneumatic Tubing	5.21	1.14

23 09 43 00-0028 Copper Pneumatic Tubing *(23 09 43 00-0001)*

23 09 43 00-0029	LF	1/4" Outside Diameter Copper Pneumatic Tubing	5.47	2.09
23 09 43 00-0030	LF	3/8" Outside Diameter Copper Pneumatic Tubing	6.69	2.40
23 09 43 00-0031	LF	1/2" Outside Diameter Copper Pneumatic Tubing	7.78	2.76
23 09 43 00-0032	LF	5/8" Outside Diameter Copper Pneumatic Tubing	9.65	3.18

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 43 00-0033	LF	3/4" Outside Diameter Copper Pneumatic Tubing	10.97	3.66
23 09 43 00-0034		**Brass Couplings** *(23 09 43 00-0001)* See CSI section 22 11 16 00-0383 for copper tubing.		
23 09 43 00-0035		**Straight Brass Couplings** *(23 09 43 00-0034)* Note: Barb x Barb		
23 09 43 00-0036	EA	1/4" x 1/4" Straight Brass Coupling	11.39	5.27
23 09 43 00-0037	EA	3/8" x 1/4" Straight Brass Coupling	11.53	5.27
23 09 43 00-0038	EA	3/8" x 3/8" Straight Brass Coupling	11.67	5.27
23 09 43 00-0039		**Elbow Brass Couplings** *(23 09 43 00-0034)* Note: Barb x Barb		
23 09 43 00-0040	EA	1/4" x 1/4" Elbow Brass Coupling	12.17	5.27
23 09 43 00-0041	EA	3/8" x 3/8" Elbow Brass Coupling	12.64	5.27
23 09 43 00-0042		**Tee Brass Couplings** *(23 09 43 00-0034)* Note: Barb x Barb		
23 09 43 00-0043	EA	1/4" x 1/4" x 1/4" Tee Brass Coupling	18.56	8.20
23 09 43 00-0044	EA	3/8" x 3/8" x 1/4" Tee Brass Coupling	21.43	8.78
23 09 43 00-0045	EA	3/8" x 3/8" x 3/8" Tee Brass Coupling	20.93	8.78

23 10 Facility Fuel Systems *(23)*

23 11 Facility Fuel Piping *(23 10)*

23 11 23 Facility Natural-Gas Piping *(23 11)*

See CSI section 23 21 13 23-0001 for threaded black steel pipe, 33 52 16 00-0000 for underground MDPE and HDPE pipe.

23 11 23 00-0001		**Corrugated Stainless Steel Tubing (CSST), Flexible Gas Piping** *(23 11 23)*		
23 11 23 00-0002		**Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0001)* Note: Includes UV resistant polyethylene jacket. Excludes fittings and pipe hangers.		
23 11 23 00-0003	LF	3/8" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	6.33	2.05
23 11 23 00-0004	LF	1/2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	6.97	2.22
23 11 23 00-0005	LF	3/4" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	8.35	2.41
23 11 23 00-0006	LF	1" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	10.55	2.55
23 11 23 00-0007	LF	1-1/4" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	12.44	2.67
23 11 23 00-0008	LF	1-1/2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	18.94	2.78
23 11 23 00-0009	LF	2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	25.67	2.96
23 11 23 00-0010		**Fittings And Accessories For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0001)*		
23 11 23 00-0011		**Male Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
23 11 23 00-0012	EA	3/8" x 1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	30.21	
23 11 23 00-0013	EA	3/8" x 3/8", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	30.21	
23 11 23 00-0014	EA	1/2" x 3/8", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	32.38	
23 11 23 00-0015	EA	1/2" x 1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	32.38	
23 11 23 00-0016	EA	3/4" x 3/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	38.96	
23 11 23 00-0017	EA	1" x 3/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	53.67	
23 11 23 00-0018	EA	1" x 1", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	53.67	
23 11 23 00-0019	EA	1-1/4" x 1-1/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	91.28	
23 11 23 00-0020	EA	1-1/2" x 1-1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	167.19	
23 11 23 00-0021	EA	2" x 2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	270.82	
23 11 23 00-0022		**Female Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
23 11 23 00-0023	EA	3/8" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	29.25	
23 11 23 00-0024	EA	1/2" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	32.38	
23 11 23 00-0025	EA	1/2" x 3/8", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	32.38	
23 11 23 00-0026	EA	3/4" x 3/4", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	38.96	
23 11 23 00-0027	EA	3/4" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	38.96	
23 11 23 00-0028	EA	1" x 3/4", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	51.31	
23 11 23 00-0029	EA	1" x 1", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	51.31	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0030		**Reducing Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
23 11 23 00-0031	EA	3/4" x 1/2", (CSST x Threaded) Reducing Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	39.53	
23 11 23 00-0032	EA	1" x 3/4", (CSST x Threaded) Reducing Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	52.17	
23 11 23 00-0033		**Couplings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
23 11 23 00-0034	EA	3/8" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	40.66	
23 11 23 00-0035	EA	1/2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	45.11	
23 11 23 00-0036	EA	3/4" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	56.67	
23 11 23 00-0037	EA	1" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	81.29	
23 11 23 00-0038	EA	1-1/4" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	152.34	
23 11 23 00-0039	EA	1-1/2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	297.52	
23 11 23 00-0040	EA	2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	494.15	
23 11 23 00-0041		**Tees For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
23 11 23 00-0042	EA	1/2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	56.19	
23 11 23 00-0043	EA	3/4" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	90.61	
23 11 23 00-0044	EA	1" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	143.71	
23 11 23 00-0045	EA	1-1/4" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	247.49	
23 11 23 00-0046	EA	1-1/2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	266.11	
23 11 23 00-0047	EA	2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	305.58	
23 11 23 00-0048		**Indoor Termination Fittings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
23 11 23 00-0049	EA	3/8" x 1/2", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	36.48	
23 11 23 00-0050	EA	1/2" x 1/2", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	37.70	
23 11 23 00-0051	EA	3/4" x 3/4", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	41.02	
23 11 23 00-0052	EA	1" x 3/4", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	55.24	
23 11 23 00-0053	EA	1" x 1", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	56.05	
23 11 23 00-0054		**Outdoor Termination Fittings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
23 11 23 00-0055	EA	3/8" x 1/2", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	40.22	
23 11 23 00-0056	EA	1/2" x 1/2", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	41.29	
23 11 23 00-0057	EA	3/4" x 3/4", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	48.64	
23 11 23 00-0058	EA	1" x 3/4", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	57.37	
23 11 23 00-0059	EA	1" x 1", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	57.37	
23 11 23 00-0060		**Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
23 11 23 00-0061	EA	3/8" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	62.71	
23 11 23 00-0062	EA	1/2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	64.30	
23 11 23 00-0063	EA	3/4" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	67.47	
23 11 23 00-0064	EA	1" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	107.75	
23 11 23 00-0065	EA	1-1/4" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	111.88	
23 11 23 00-0066	EA	1-1/2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	161.77	
23 11 23 00-0067	EA	2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	201.41	
23 11 23 00-0068		**Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
23 11 23 00-0069	EA	3/8" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	66.34	
23 11 23 00-0070	EA	1/2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	67.87	
23 11 23 00-0071	EA	3/4" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	74.95	
23 11 23 00-0072	EA	1" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	136.34	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0073	EA	1-1/4" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	140.70	
23 11 23 00-0074	EA	1-1/2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	193.91	
23 11 23 00-0075	EA	2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	244.94	
23 11 23 00-0076		**Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
23 11 23 00-0077	EA	1/2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	38.59	
23 11 23 00-0078	EA	3/4" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	41.68	
23 11 23 00-0079	EA	1" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	63.50	
23 11 23 00-0080	EA	1-1/4" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	97.92	
23 11 23 00-0081	EA	1-1/2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	190.54	
23 11 23 00-0082	EA	2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	303.56	
23 11 23 00-0083		**Stub-Outs For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
		Note: Includes mounting plate.		
23 11 23 00-0084	EA	1/2" Appliance Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	33.28	
23 11 23 00-0085	EA	3/4" Appliance Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	36.29	
23 11 23 00-0086	EA	1/2" Fireplace Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	33.32	
23 11 23 00-0087	EA	1/2" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	33.43	
23 11 23 00-0088	EA	3/4" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	34.84	
23 11 23 00-0089	EA	1" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	41.47	
23 11 23 00-0090	EA	1-1/4" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	49.96	
23 11 23 00-0091		**Flush Mount Gas Valve Kits For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
		Note: Includes flush fitting plastic valve box and 90 degree brass shut-off valve.		
23 11 23 00-0092	EA	1/2" x 1/2", (CSST x Threaded) Flush Mount Gas Valve Kit For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	94.16	21.56
23 11 23 00-0093	EA	3/4" x 3/4", (CSST x Threaded) Flush Mount Gas Valve Kit For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	106.47	22.63
23 11 23 00-0094		**Shut-Off Valves For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
23 11 23 00-0095	EA	3/8" x 1/2", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	67.36	18.87
23 11 23 00-0096	EA	1/2" x 1/2", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	78.35	22.42
23 11 23 00-0097	EA	3/4" x 3/4", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	96.18	26.95
23 11 23 00-0098	EA	1" x 3/4", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	120.19	36.00
23 11 23 00-0099		**Manifolds For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
		Note: Includes mounting hardware.		
23 11 23 00-0100	EA	1/2" Inlet, Three 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	82.78	22.42
23 11 23 00-0101	EA	3/4" Inlet, Three 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	93.86	26.95
23 11 23 00-0102	EA	1/2" Inlet, Four 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	88.76	22.42
23 11 23 00-0103	EA	3/4" Inlet, Four 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	97.74	26.95
23 11 23 00-0104	EA	2" x 1-1/2" Inlet, Four 1" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	185.46	67.37
23 11 23 00-0105		**Pressure Regulators For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
23 11 23 00-0106	EA	1/2" Port, 250 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	87.61	22.42
23 11 23 00-0107	EA	1/2" Port, 355 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	87.61	22.42
23 11 23 00-0108	EA	1/2" Port, 425 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	123.39	22.42
23 11 23 00-0109	EA	3/4" Port, 550 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	132.37	26.95
23 11 23 00-0110	EA	3/4" Port, 810 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	132.37	26.95
23 11 23 00-0111	EA	1" Port, 550 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	150.33	36.00
23 11 23 00-0112	EA	1-1/4" Port, 1,000 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	225.60	40.42
23 11 23 00-0113	EA	1/2" Port, 200 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	117.06	22.42
23 11 23 00-0114	EA	3/4" Port, 425 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	294.38	26.95
23 11 23 00-0115	EA	1-1/4" Port, 900 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	717.32	40.42
23 11 23 00-0116		**Polymer Coated Stainless Steel, Flexible Gas Appliance Connectors (Brass Craft)** *(23 11 23)*		
23 11 23 00-0117		**3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		

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23 11 23 00-0118	EA	12" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-12)	46.28	16.17
23 11 23 00-0119	EA	18" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-18)	50.71	17.24
23 11 23 00-0120	EA	24" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-24)	54.96	17.24
23 11 23 00-0121	EA	30" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-30)	57.65	18.32
23 11 23 00-0122	EA	36" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-36)	61.07	18.32
23 11 23 00-0123	EA	48" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-48)	68.70	19.40
23 11 23 00-0124	EA	60" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-60)	75.63	19.40
23 11 23 00-0125	EA	72" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-72)	82.49	20.48
23 11 23 00-0126		**3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0127	EA	12" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-12)	46.28	16.17
23 11 23 00-0128	EA	18" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-18)	50.71	17.24
23 11 23 00-0129	EA	24" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-24)	54.96	17.24
23 11 23 00-0130	EA	30" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-30)	57.65	18.32
23 11 23 00-0131	EA	36" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-36)	61.07	18.32
23 11 23 00-0132	EA	48" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-48)	68.70	19.40
23 11 23 00-0133	EA	60" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-60)	75.63	19.40
23 11 23 00-0134	EA	72" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-72)	82.49	20.48
23 11 23 00-0135		**3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0136	EA	12" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-12)	46.28	16.17
23 11 23 00-0137	EA	18" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-18)	50.71	17.24
23 11 23 00-0138	EA	24" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-24)	54.96	17.24
23 11 23 00-0139	EA	30" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-30)	57.65	18.32
23 11 23 00-0140	EA	36" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-36)	61.07	18.32
23 11 23 00-0141	EA	48" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-48)	68.70	19.40
23 11 23 00-0142	EA	60" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-60)	75.63	19.40
23 11 23 00-0143	EA	72" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-72)	82.49	20.48
23 11 23 00-0144		**3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0145	EA	12" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-12)	46.28	16.17
23 11 23 00-0146	EA	18" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-18)	50.71	17.24
23 11 23 00-0147	EA	24" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-24)	65.55	17.24
23 11 23 00-0148	EA	30" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-30)	57.65	18.32
23 11 23 00-0149	EA	36" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-36)	61.07	18.32
23 11 23 00-0150	EA	48" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-48)	68.70	19.40
23 11 23 00-0151	EA	60" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-60)	75.63	19.40
23 11 23 00-0152	EA	72" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-72)	82.49	20.48
23 11 23 00-0153		**3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0154	EA	12" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-12)	50.36	16.17

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23 11 23 00-0155	EA	18" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-18)	55.78	17.24
23 11 23 00-0156	EA	24" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-24)	54.96	17.24
23 11 23 00-0157	EA	30" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-30)	64.12	18.32
23 11 23 00-0158	EA	36" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-36)	61.07	18.32
23 11 23 00-0159	EA	48" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-48)	68.70	19.40
23 11 23 00-0160	EA	60" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-60)	75.63	19.40
23 11 23 00-0161	EA	72" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-72)	82.49	20.48
23 11 23 00-0162		**3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0163	EA	12" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-12)	46.28	16.17
23 11 23 00-0164	EA	24" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-24)	60.96	17.24
23 11 23 00-0165	EA	30" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-30)	57.65	18.32
23 11 23 00-0166	EA	36" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-36)	61.07	18.32
23 11 23 00-0167	EA	48" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-48)	68.70	19.40
23 11 23 00-0168	EA	60" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-60)	86.43	19.40
23 11 23 00-0169	EA	72" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-72)	82.49	20.48
23 11 23 00-0170		**3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0171	EA	12" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-12)	46.28	16.17
23 11 23 00-0172	EA	18" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-18)	50.71	17.24
23 11 23 00-0173	EA	24" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-24)	54.96	17.24
23 11 23 00-0174	EA	30" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-30)	57.65	18.32
23 11 23 00-0175	EA	36" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-36)	61.07	18.32
23 11 23 00-0176	EA	48" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-48)	68.70	19.40
23 11 23 00-0177	EA	60" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-60)	75.63	19.40
23 11 23 00-0178	EA	72" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-72)	82.49	20.48
23 11 23 00-0179		**3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0180	EA	12" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-12)	46.28	16.17
23 11 23 00-0181	EA	18" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-18)	50.71	17.24
23 11 23 00-0182	EA	24" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-24)	54.96	17.24
23 11 23 00-0183	EA	30" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-30)	57.65	18.32
23 11 23 00-0184	EA	36" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-36)	61.07	18.32
23 11 23 00-0185	EA	48" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-48)	68.70	19.40
23 11 23 00-0186	EA	60" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-60)	75.63	19.40
23 11 23 00-0187	EA	72" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-72)	82.49	20.48
23 11 23 00-0188		**3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0189	EA	18" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-18)	55.78	17.24
23 11 23 00-0190	EA	24" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-24)	54.96	17.24
23 11 23 00-0191	EA	30" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-30)	64.12	18.32

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0192	EA	36" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-36)	68.23	18.32
23 11 23 00-0193	EA	48" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-48)	77.79	19.40
23 11 23 00-0194		**1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0195	EA	12" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-12)	46.28	16.17
23 11 23 00-0196	EA	18" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-18)	50.71	17.24
23 11 23 00-0197	EA	24" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-24)	50.72	17.24
23 11 23 00-0198	EA	30" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-30)	57.65	18.32
23 11 23 00-0199	EA	36" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-36)	56.00	18.32
23 11 23 00-0200	EA	48" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-48)	70.24	19.40
23 11 23 00-0201	EA	60" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-60)	75.63	19.40
23 11 23 00-0202	EA	72" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-72)	82.49	20.48
23 11 23 00-0203		**1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0204	EA	12" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-12)	46.28	16.17
23 11 23 00-0205	EA	18" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-18)	47.25	17.24
23 11 23 00-0206	EA	24" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-24)	48.38	17.24
23 11 23 00-0207	EA	30" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-30)	57.65	18.32
23 11 23 00-0208	EA	36" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-36)	61.07	18.32
23 11 23 00-0209	EA	48" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-48)	62.08	19.40
23 11 23 00-0210	EA	60" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-60)	75.63	19.40
23 11 23 00-0211	EA	72" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-72)	82.49	20.48
23 11 23 00-0212		**1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0213	EA	12" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-12)	46.28	16.17
23 11 23 00-0214	EA	18" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-18)	50.71	17.24
23 11 23 00-0215	EA	24" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-24)	54.96	17.24
23 11 23 00-0216	EA	30" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-30)	57.65	18.32
23 11 23 00-0217	EA	36" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-36)	52.47	18.32
23 11 23 00-0218	EA	48" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-48)	68.70	19.40
23 11 23 00-0219	EA	60" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-60)	75.63	19.40
23 11 23 00-0220	EA	72" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-72)	82.49	20.48
23 11 23 00-0221		**3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0222	EA	12" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-12)	60.82	16.17
23 11 23 00-0223	EA	18" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-18)	65.23	17.24
23 11 23 00-0224	EA	24" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-24)	69.47	17.24
23 11 23 00-0225	EA	30" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-30)	72.15	18.32
23 11 23 00-0226	EA	36" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-36)	75.70	18.32
23 11 23 00-0227	EA	48" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-48)	82.88	19.40
23 11 23 00-0228	EA	60" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-60)	90.40	19.40

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23 11 23 00-0229	EA	72" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-72)	97.27	20.48
23 11 23 00-0230		**3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0231	EA	12" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-12)	71.60	21.56
23 11 23 00-0232	EA	18" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-18)	76.01	22.63
23 11 23 00-0233	EA	24" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-24)	80.25	22.63
23 11 23 00-0234	EA	30" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-30)	82.93	23.71
23 11 23 00-0235	EA	36" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-36)	86.47	23.71
23 11 23 00-0236	EA	48" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-48)	93.66	24.79
23 11 23 00-0237	EA	60" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-60)	101.18	24.79
23 11 23 00-0238	EA	72" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-72)	108.05	25.87
23 11 23 00-0239		**3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0240	EA	12" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-12)	71.60	21.56
23 11 23 00-0241	EA	18" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-18)	76.01	22.63
23 11 23 00-0242	EA	24" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-24)	80.25	22.63
23 11 23 00-0243	EA	30" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-30)	82.93	23.71
23 11 23 00-0244	EA	36" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-36)	86.47	23.71
23 11 23 00-0245	EA	48" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-48)	93.66	24.79
23 11 23 00-0246	EA	60" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-60)	101.18	24.79
23 11 23 00-0247	EA	72" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-72)	108.05	25.87
23 11 23 00-0248		**3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0249	EA	12" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-12)	83.43	21.56
23 11 23 00-0250	EA	18" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-18)	87.83	22.63
23 11 23 00-0251	EA	24" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-24)	92.08	22.63
23 11 23 00-0252	EA	30" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-30)	94.75	23.71
23 11 23 00-0253	EA	36" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-36)	98.31	23.71
23 11 23 00-0254	EA	48" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-48)	105.49	24.79
23 11 23 00-0255	EA	60" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-60)	113.01	24.79
23 11 23 00-0256		**3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0257	EA	12" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-12)	83.43	21.56
23 11 23 00-0258	EA	18" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-18)	87.83	22.63
23 11 23 00-0259	EA	24" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-24)	92.08	22.63
23 11 23 00-0260	EA	36" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-36)	98.31	23.71
23 11 23 00-0261	EA	48" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-48)	105.49	24.79
23 11 23 00-0262	EA	60" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-60)	113.01	24.79
23 11 23 00-0263		**1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0264	EA	12" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-12)	83.43	21.56
23 11 23 00-0265	EA	18" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-18)	87.83	22.63
23 11 23 00-0266	EA	24" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-24)	92.08	22.63
23 11 23 00-0267	EA	30" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-30)	94.75	23.71
23 11 23 00-0268	EA	36" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-36)	98.31	23.71
23 11 23 00-0269	EA	48" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-48)	105.49	24.79
23 11 23 00-0270	EA	60" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-60)	113.01	24.79
23 11 23 00-0271	EA	72" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-72)	119.88	25.87
23 11 23 00-0272		**1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0273	EA	12" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-12)	68.48	21.56
23 11 23 00-0274	EA	18" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-18)	72.91	22.63
23 11 23 00-0275	EA	24" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-24)	77.17	22.63
23 11 23 00-0276	EA	30" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-30)	79.82	23.71
23 11 23 00-0277	EA	36" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-36)	83.37	23.71
23 11 23 00-0278	EA	48" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-48)	90.54	24.79
23 11 23 00-0279	EA	72" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-72)	104.90	25.87
23 11 23 00-0280		**1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0281	EA	18" Length, 1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC5K-18)	81.32	22.63
23 11 23 00-0282	EA	24" Length, 1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC5K-24)	86.51	22.63
23 11 23 00-0283		**Quarter-Turn, Gas Ball Valve** *(23 11 23)*		
23 11 23 00-0284	EA	3/8" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top™ T-3000 102-102)	42.58	11.47
23 11 23 00-0285	EA	1/2" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-103)	42.85	11.71
23 11 23 00-0286	EA	3/4" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-104)	61.48	12.88
23 11 23 00-0287	EA	3/8" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-112)	42.22	11.47
23 11 23 00-0288	EA	1/2" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-113)	44.55	11.71
23 11 23 00-0289	EA	1/2" Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-118)	49.55	11.71
23 11 23 00-0290	EA	5/8" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-121)	53.97	12.29
23 11 23 00-0291	EA	5/8" (7/8" -14) Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-114)	56.52	12.29
23 11 23 00-0292	EA	5/8" (15/16" -16) Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-115)	56.52	12.29
23 11 23 00-0293	EA	3/8" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-312)	44.12	11.47
23 11 23 00-0294	EA	1/2" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-313)	46.45	11.71
23 11 23 00-0295	EA	5/8" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-314)	57.87	12.29
23 11 23 00-0296	EA	1/2" FIP x 1/8" Texas Pattern, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-413)	46.70	11.71
23 11 23 00-0297	EA	3/4" FIP x 1/8" Texas Pattern, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-414)	62.92	12.88
23 11 23 00-0298	EA	3/8" (9/16" -24) Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-119)	44.03	11.47
23 11 23 00-0299	EA	3/8" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-612)	41.97	11.47
23 11 23 00-0300	EA	1/2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-613)	42.84	11.71
23 11 23 00-0301	EA	3/4" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-614)	58.73	12.88
23 11 23 00-0302	EA	1" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-615)	79.37	14.63
23 11 23 00-0303	EA	1-1/4" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-616)	113.19	15.21
23 11 23 00-0304	EA	1-1/2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-617)	134.35	17.56
23 11 23 00-0305	EA	2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-618)	165.59	21.07
23 11 23 00-0306	EA	1/2" Flathead, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3002 102-713)	43.94	11.71
23 11 23 00-0307	EA	3/4" Flathead, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3002 102-714)	58.40	12.88
23 11 23 00-0308		**Gas Stops** *(23 11 23)*		
23 11 23 00-0309		**Brass/Bronze Gas Stops** *(23 11 23 00-0308)*		
		Note: Flat or square head		
23 11 23 00-0310	EA	3/8" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	55.61	11.71
23 11 23 00-0311	EA	1/2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	55.42	11.71

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0312	EA	3/4" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	72.57	12.88
23 11 23 00-0313	EA	1" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	103.37	14.63
23 11 23 00-0314	EA	1-1/4" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	138.04	15.57
23 11 23 00-0315	EA	1-1/2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	175.02	18.02
23 11 23 00-0316	EA	2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	245.21	21.30
23 11 23 00-0317		Iron Body Gas Stops *(23 11 23 00-0308)*		
23 11 23 00-0318	EA	1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	76.46	11.71
23 11 23 00-0319	EA	3/4" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	93.27	12.88
23 11 23 00-0320	EA	1" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	115.85	14.63
23 11 23 00-0321	EA	1-1/4" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	150.16	15.57
23 11 23 00-0322	EA	1-1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	190.25	18.02
23 11 23 00-0323	EA	2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	248.67	21.30
23 11 23 00-0324	EA	2-1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	490.85	28.78
23 11 23 00-0325	EA	3" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	662.40	33.41
23 11 23 00-0326		Bronze Body Solenoid Valves, 150 PSI Gas *(23 11 23)*		
23 11 23 00-0327	EA	1/4" Solenoid Valve, Bronze, 150 PSI, Gas	204.17	11.71
23 11 23 00-0328	EA	1/2" Solenoid Valve, Bronze, 150 PSI, Gas	238.30	11.71
23 11 23 00-0329	EA	3/4" Solenoid Valve, Bronze, 150 PSI, Gas	303.08	12.88
23 11 23 00-0330	EA	1" Solenoid Valve, Bronze, 150 PSI, Gas	456.60	14.63
23 11 23 00-0331	EA	1-1/2" Solenoid Valve, Bronze, 150 PSI, Gas	819.26	18.02
23 11 23 00-0332	EA	2" Solenoid Valve, Bronze, 150 PSI, Gas	1,400.65	21.30
23 11 23 00-0333	EA	2-1/2" Solenoid Valve, Bronze, 150 PSI, Gas	1,733.66	28.78
23 11 23 00-0334	EA	3" Solenoid Valve, Bronze, 150 PSI, Gas	2,619.08	33.41

23 11 26 Facility Liquefied-Petroleum Gas Piping *(23 11)*

23 11 26 00-0001 Fiberglass Reinforced Plastic Pipe And Fittings *(23 11 26)*

23 11 26 00-0002 Fiberglass Reinforced Plastic Pipe *(23 11 26 00-0001)*

Note: For double containment fiberglass pipe, select both outer containment pipe size and inner containment pipe size (add modifier for use as inner pipe).

23 11 26 00-0003	LF	2" Fiberglass Reinforced Plastic Pipe	22.39	7.76
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-8.69*	
23 11 26 00-0004	LF	3" Fiberglass Reinforced Plastic Pipe	26.83	9.27
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-10.43*	
23 11 26 00-0005	LF	4" Fiberglass Reinforced Plastic Pipe	35.33	13.69
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-15.36*	
23 11 26 00-0006	LF	5" Fiberglass Reinforced Plastic Pipe	41.58	15.73
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-17.30*	
23 11 26 00-0007	LF	6" Fiberglass Reinforced Plastic Pipe	48.57	17.57
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-19.80*	
23 11 26 00-0008	LF	8" Fiberglass Reinforced Plastic Pipe	67.26	21.22
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-23.84*	
23 11 26 00-0009	LF	10" Fiberglass Reinforced Plastic Pipe	89.66	25.23
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-28.42*	
23 11 26 00-0010	LF	12" Fiberglass Reinforced Plastic Pipe	211.08	31.77
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-35.75*	

23 11 26 00-0011 Fiberglass Reinforced Plastic Fittings *(23 11 26 00-0001)*

23 11 26 00-0012 Fiberglass Reinforced Plastic Flanged 90 Degree Elbows *(23 11 26 00-0011)*

23 11 26 00-0013	EA	2" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	169.60	77.29
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-86.93*	
23 11 26 00-0014	EA	3" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	199.95	92.81
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-104.32*	
23 11 26 00-0015	EA	4" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	239.85	107.79
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-121.19*	
23 11 26 00-0016	EA	5" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	298.42	125.51
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-138.45*	
23 11 26 00-0017	EA	6" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	360.47	140.82
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-158.34*	
23 11 26 00-0018	EA	8" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	519.43	175.97
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-197.93*	
23 11 26 00-0019	EA	10" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	669.11	211.97
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-238.36*	
23 11 26 00-0020	EA	12" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	1,559.64	262.84
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-295.57*	

23 11 26 00-0021 Fiberglass Reinforced Plastic Flanged 45 Degree Elbows *(23 11 26 00-0011)*

23 11 26 00-0022	EA	2" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	170.01	77.29
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-86.93*	
23 11 26 00-0023	EA	3" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	200.07	92.81
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-104.32*	
23 11 26 00-0024	EA	4" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	240.22	107.90
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-121.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0025	EA	5" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	302.49	128.17
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-141.47*	
23 11 26 00-0026	EA	6" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	360.32	140.82
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-158.34*	
23 11 26 00-0027	EA	8" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	519.43	175.97
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-197.93*	
23 11 26 00-0028	EA	10" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	1,180.75	211.97
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-238.36*	
23 11 26 00-0029	EA	12" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	1,559.64	262.84
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-295.57*	

23 11 26 00-0030 Fiberglass Reinforced Plastic Flanged Tees *(23 11 26 00-0011)*

23 11 26 00-0031	EA	2" Fiberglass Reinforced Plastic Flanged Tee	353.24	115.98
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-130.40*	
23 11 26 00-0032	EA	3" Fiberglass Reinforced Plastic Flanged Tee	437.64	139.70
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-157.04*	
23 11 26 00-0033	EA	4" Fiberglass Reinforced Plastic Flanged Tee	497.60	161.79
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-181.92*	
23 11 26 00-0034	EA	5" Fiberglass Reinforced Plastic Flanged Tee	634.33	192.19
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-212.30*	
23 11 26 00-0035	EA	6" Fiberglass Reinforced Plastic Flanged Tee	765.22	211.97
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-238.36*	
23 11 26 00-0036	EA	8" Fiberglass Reinforced Plastic Flanged Tee	963.12	262.84
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-295.57*	
23 11 26 00-0037	EA	10" Fiberglass Reinforced Plastic Flanged Tee	1,555.76	317.94
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-357.55*	
23 11 26 00-0038	EA	12" Fiberglass Reinforced Plastic Flanged Tee	2,084.99	386.56
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-434.66*	

23 11 26 00-0039 Fiberglass Reinforced Plastic Flanged Wyes *(23 11 26 00-0011)*

23 11 26 00-0040	EA	2" Fiberglass Reinforced Plastic Flanged Wye	474.67	115.98
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-130.40*	
23 11 26 00-0041	EA	3" Fiberglass Reinforced Plastic Flanged Wye	611.16	139.48
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-156.84*	
23 11 26 00-0042	EA	4" Fiberglass Reinforced Plastic Flanged Wye	718.33	161.79
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-181.91*	
23 11 26 00-0043	EA	5" Fiberglass Reinforced Plastic Flanged Wye	822.28	192.19
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-212.30*	
23 11 26 00-0044	EA	6" Fiberglass Reinforced Plastic Flanged Wye	920.42	211.97
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-238.36*	
23 11 26 00-0045	EA	8" Fiberglass Reinforced Plastic Flanged Wye	1,208.57	262.84
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-295.57*	
23 11 26 00-0046	EA	10" Fiberglass Reinforced Plastic Flanged Wye	1,865.34	317.94
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-357.55*	
23 11 26 00-0047	EA	12" Fiberglass Reinforced Plastic Flanged Wye	2,422.46	386.56
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-434.66*	

23 11 26 00-0048 Fiberglass Reinforced Plastic Flanged Concentric Reducers *(23 11 26 00-0011)*

23 11 26 00-0049	EA	2" Fiberglass Reinforced Plastic Flanged Concentric Reducer	267.90	77.29
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-86.93*	
23 11 26 00-0050	EA	3" Fiberglass Reinforced Plastic Flanged Concentric Reducer	348.66	92.81
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-104.32*	
23 11 26 00-0051	EA	4" Fiberglass Reinforced Plastic Flanged Concentric Reducer	381.15	107.90
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-121.27*	
23 11 26 00-0052	EA	5" Fiberglass Reinforced Plastic Flanged Concentric Reducer	442.24	128.17
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-141.47*	
23 11 26 00-0053	EA	6" Fiberglass Reinforced Plastic Flanged Concentric Reducer	498.84	140.82
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-158.34*	
23 11 26 00-0054	EA	8" Fiberglass Reinforced Plastic Flanged Concentric Reducer	664.94	175.97
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-197.93*	
23 11 26 00-0055	EA	10" Fiberglass Reinforced Plastic Flanged Concentric Reducer	851.67	211.97
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-238.36*	
23 11 26 00-0056	EA	12" Fiberglass Reinforced Plastic Flanged Concentric Reducer	1,167.49	262.84
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-295.57*	

23 11 26 00-0057 Fiberglass Reinforced Plastic Bell x Male Or Female Adapters *(23 11 26 00-0011)*

23 11 26 00-0058	EA	2" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	213.64	77.29
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-86.93*	
23 11 26 00-0059	EA	3" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	245.02	92.81
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-104.32*	
23 11 26 00-0060	EA	4" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	277.62	107.90
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-121.27*	
23 11 26 00-0061	EA	4" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	340.83	128.17
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-141.47*	
23 11 26 00-0062	EA	6" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	399.60	140.82
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-158.34*	
23 11 26 00-0063	EA	8" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	391.52	175.97
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-197.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0064	EA	10" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	501.19	211.97
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-238.36*	
23 11 26 00-0065	EA	12" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	792.83	262.84
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-295.57*	
23 11 26 00-0066		**Fiberglass Reinforced Plastic Nipples** *(23 11 26 00-0011)*		
23 11 26 00-0067	EA	2" x 6" Fiberglass Reinforced Plastic Nipple	40.89	9.27
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-10.43*	
23 11 26 00-0068	EA	2" x 12" Fiberglass Reinforced Plastic Nipple	81.71	18.54
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-20.81*	
23 11 26 00-0069	EA	3" x 8" Fiberglass Reinforced Plastic Nipple	139.26	14.23
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-16.01*	
23 11 26 00-0070	EA	3" x 12" Fiberglass Reinforced Plastic Nipple	161.51	19.74
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-22.19*	
23 11 26 00-0071	EA	4" x 8" Fiberglass Reinforced Plastic Nipple	151.03	14.04
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-15.83*	
23 11 26 00-0072	EA	4" x 12" Fiberglass Reinforced Plastic Nipple	181.56	21.11
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-23.75*	
23 11 26 00-0073	EA	6" x 12" Fiberglass Reinforced Plastic Nipple	225.74	23.65
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-26.12*	
23 11 26 00-0074	EA	6" x 12" Fiberglass Reinforced Plastic Nipple	269.89	25.33
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-28.53*	
23 11 26 00-0075	EA	8" x 18" Fiberglass Reinforced Plastic Nipple	141.47	29.56
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-33.25*	
23 11 26 00-0076	EA	8" x 24" Fiberglass Reinforced Plastic Nipple	192.81	42.23
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-47.47*	
23 11 26 00-0077	EA	10" x 18" Fiberglass Reinforced Plastic Nipple	239.04	30.08
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-33.80*	
23 11 26 00-0078	EA	10" x 24" Fiberglass Reinforced Plastic Nipple	358.79	44.97
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-50.61*	
23 11 26 00-0079	EA	12" x 18" Fiberglass Reinforced Plastic Nipple	279.42	31.04
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-34.85*	
23 11 26 00-0080	EA	12" x 24" Fiberglass Reinforced Plastic Nipple	365.22	46.45
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-52.28*	
23 11 26 00-0081		**Fiberglass Reinforced Plastic Sleeve Couplings** *(23 11 26 00-0011)*		
23 11 26 00-0082	EA	2" Fiberglass Reinforced Plastic Sleeve Coupling	140.68	77.29
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-86.93*	
23 11 26 00-0083	EA	3" Fiberglass Reinforced Plastic Sleeve Coupling	169.27	92.81
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-104.32*	
23 11 26 00-0084	EA	4" Fiberglass Reinforced Plastic Sleeve Coupling	195.67	107.90
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-121.27*	
23 11 26 00-0085	EA	5" Fiberglass Reinforced Plastic Sleeve Coupling	235.61	128.17
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-141.47*	
23 11 26 00-0086	EA	6" Fiberglass Reinforced Plastic Sleeve Coupling	271.08	140.82
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-158.34*	
23 11 26 00-0087	EA	8" Fiberglass Reinforced Plastic Sleeve Coupling	351.84	175.97
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-197.93*	
23 11 26 00-0088	EA	10" Fiberglass Reinforced Plastic Sleeve Coupling	451.72	211.97
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-238.36*	
23 11 26 00-0089	EA	12" Fiberglass Reinforced Plastic Sleeve Coupling	551.99	262.84
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-295.57*	
23 11 26 00-0090		**Fiberglass Reinforced Plastic Flanges** *(23 11 26 00-0011)*		
23 11 26 00-0091	EA	2" Fiberglass Reinforced Plastic Flange	143.78	77.29
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-86.93*	
23 11 26 00-0092	EA	3" Fiberglass Reinforced Plastic Flange	173.37	92.81
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-104.32*	
23 11 26 00-0093	EA	4" Fiberglass Reinforced Plastic Flange	204.43	105.45
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-118.55*	
23 11 26 00-0094	EA	5" Fiberglass Reinforced Plastic Flange	246.90	125.51
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-138.55*	
23 11 26 00-0095	EA	6" Fiberglass Reinforced Plastic Flange	289.07	140.82
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-158.34*	
23 11 26 00-0096	EA	8" Fiberglass Reinforced Plastic Flange	358.55	168.47
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-189.47*	
23 11 26 00-0097	EA	10" Fiberglass Reinforced Plastic Flange	479.71	211.97
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-238.36*	
23 11 26 00-0098	EA	12" Fiberglass Reinforced Plastic Flange	663.92	262.84
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-295.57*	
23 11 26 00-0099		**Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing And Fittings** *(23 11 26)*		
23 11 26 00-0100		**Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing** *(23 11 26 00-0099)*		
23 11 26 00-0101	LF	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	127.53	33.31
23 11 26 00-0102	LF	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	152.02	39.46
23 11 26 00-0103	LF	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	194.06	58.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0104	LF	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	272.64	75.46
23 11 26 00-0105	LF	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	391.30	90.78
23 11 26 00-0106	LF	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	533.77	107.67
23 11 26 00-0107	LF	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	682.03	135.85

23 11 26 00-0108 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Fittings *(23 11 26 00-0099)*

23 11 26 00-0109 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbows *(23 11 26 00-0108)*

23 11 26 00-0110	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	2,264.69	412.19
23 11 26 00-0111	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	2,608.09	494.76
23 11 26 00-0112	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	3,262.35	574.95
23 11 26 00-0113	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	5,705.49	750.85
23 11 26 00-0114	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	9,243.37	938.74
23 11 26 00-0115	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	12,465.85	1,129.38
23 11 26 00-0116	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	16,647.05	1,398.56

23 11 26 00-0117 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbows *(23 11 26 00-0108)*

23 11 26 00-0118	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	2,268.27	412.19
23 11 26 00-0119	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	2,601.81	494.76
23 11 26 00-0120	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	3,257.42	574.95
23 11 26 00-0121	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	5,676.46	750.85
23 11 26 00-0122	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	9,201.35	938.74
23 11 26 00-0123	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	12,408.86	1,129.92
23 11 26 00-0124	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	16,573.81	1,401.73

23 11 26 00-0125 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tees *(23 11 26 00-0108)*

23 11 26 00-0126	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	3,154.34	618.29
23 11 26 00-0127	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	3,951.38	745.16
23 11 26 00-0128	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	4,460.39	862.87
23 11 26 00-0129	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	7,250.12	1,130.44
23 11 26 00-0130	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	9,167.08	1,401.73
23 11 26 00-0131	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	15,937.12	1,693.70
23 11 26 00-0132	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	21,771.49	2,053.56

23 11 26 00-0133 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wyes *(23 11 26 00-0108)*

23 11 26 00-0134	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	4,662.00	618.29
23 11 26 00-0135	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	6,107.85	744.30
23 11 26 00-0136	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	7,201.46	862.87
23 11 26 00-0137	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	9,177.18	1,130.44
23 11 26 00-0138	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	12,214.65	1,401.73
23 11 26 00-0139	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	19,781.08	1,693.70
23 11 26 00-0140	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	25,961.63	2,053.56

23 11 26 00-0141 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducers *(23 11 26 00-0108)*

23 11 26 00-0142	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	2,505.28	412.19
23 11 26 00-0143	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	3,343.85	494.76
23 11 26 00-0144	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	3,586.99	574.95
23 11 26 00-0145	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	4,698.16	750.85
23 11 26 00-0146	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	6,387.07	938.74
23 11 26 00-0147	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	8,321.92	1,129.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0148	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	11,699.86	1,398.56
23 11 26 00-0149		**Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapters** *(23 11 26 00-0108)*		
23 11 26 00-0150	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	1,831.49	412.19
23 11 26 00-0151	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	2,057.07	494.76
23 11 26 00-0152	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	2,301.45	574.95
23 11 26 00-0153	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	3,465.98	750.85
23 11 26 00-0154	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	2,992.06	938.74
23 11 26 00-0155	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	3,970.20	1,129.38
23 11 26 00-0156	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	7,047.86	1,398.56
23 11 26 00-0157		**Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipples** *(23 11 26 00-0108)*		
23 11 26 00-0158	EA	2" x 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	409.21	49.48
23 11 26 00-0159	EA	2" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	818.04	98.73
23 11 26 00-0160	EA	3" x 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,578.05	75.89
23 11 26 00-0161	EA	3" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,795.73	105.25
23 11 26 00-0162	EA	4" x 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,725.73	75.06
23 11 26 00-0163	EA	4" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	2,030.16	112.64
23 11 26 00-0164	EA	6" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	3,081.69	135.33
23 11 26 00-0165	EA	8" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,442.59	157.71
23 11 26 00-0166	EA	8" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,945.72	225.16
23 11 26 00-0167	EA	10" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	2,648.83	160.24
23 11 26 00-0168	EA	10" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	3,976.93	240.04
23 11 26 00-0169	EA	12" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	3,140.25	165.31
23 11 26 00-0170	EA	12" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	4,041.06	247.96
23 11 26 00-0171		**Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanges** *(23 11 26 00-0108)*		
23 11 26 00-0172	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	1,418.70	562.22
23 11 26 00-0173	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	2,093.59	750.85
23 11 26 00-0174	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	2,662.73	898.74
23 11 26 00-0175	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	3,703.43	1,129.38
23 11 26 00-0176	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	5,447.16	1,398.56

23 12 Facility Fuel Pumps *(23 10)*

23 12 13 Facility Fuel-Oil Pumps *(23 12)*

23 12 13 00-0001 Cast Iron Internal Gear Rotary Pump *(23 12 13)*

Note: Heavy-duty type with relief valve, 1150 RPM drip-proof motor, common base plate. For viscosity to 20 centipoise; diesel oil, and light oil.

23 12 13 00-0002 10 GPM 1" Discharge *(23 12 13 00-0001)*

23 12 13 00-0003	EA	10 GPM Cast Iron Rotary Pump, 20 PSI 1/2 HP With 1" Discharge	1,520.88	312.76
23 12 13 00-0004	EA	10 GPM Cast Iron Rotary Pump, 40 PSI 3/4 HP With 1" Discharge	1,597.32	378.55
23 12 13 00-0005	EA	10 GPM Cast Iron Rotary Pump, 60 PSI 1 HP With 1" Discharge	1,749.92	449.73

23 12 13 00-0006 25 GPM 1-1/4" Discharge *(23 12 13 00-0001)*

23 12 13 00-0007	EA	25 GPM Cast Iron Rotary Pump, 20 PSI 1 HP With 1-1/4" Discharge	1,642.12	312.76
23 12 13 00-0008	EA	25 GPM Cast Iron Rotary Pump, 40 PSI 1.5 HP With 1-1/4" Discharge	1,729.89	378.55
23 12 13 00-0009	EA	25 GPM Cast Iron Rotary Pump, 60 PSI 2 HP With 1-1/4" Discharge	1,817.48	449.73

23 12 13 00-0010 Pump, Fuel Oil, 2 Stage 3450 RPM 100 PSI *(23 12 13)*

23 12 13 00-0011	EA	1/4 HP Pump Fuel Oil/Diesel	1,144.54	175.25
23 12 13 00-0012	EA	1/3 HP Pump Fuel Oil/Diesel	1,344.19	196.29
23 12 13 00-0013	EA	1/2 HP Pump Fuel Oil/Diesel	1,470.48	220.01
23 12 13 00-0014	EA	3/4 HP Pump Fuel Oil/Diesel	1,605.41	248.05
23 12 13 00-0015	EA	1 HP Pump Fuel Oil/Diesel	2,247.35	276.10
23 12 13 00-0016	EA	1-1/2 HP Pump Fuel Oil/Diesel	2,744.39	308.98
23 12 13 00-0017	EA	2 HP Pump Fuel Oil/Diesel	3,041.90	346.19
23 12 13 00-0018	EA	3 HP Pump Fuel Oil/Diesel	3,703.75	387.18
23 12 13 00-0019	EA	5 HP Pump Fuel Oil/Diesel	4,362.58	434.10
23 12 13 00-0020	EA	7.5 HP Pump Fuel Oil/Diesel	4,884.63	486.94
23 12 13 00-0021	EA	10 HP Pump Fuel Oil/Diesel	5,476.50	545.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 12 23		**Facility Natural-Gas Pumps** *(23 12)*		
23 12 23 00-0001		Natural Gas Booster Pump *(23 12 23)*		
23 12 23 00-0002	EA	Natural Gas Booster Pump, 3/4" Outlet Size	1,238.01	161.78
23 12 23 00-0003	EA	Natural Gas Booster Pump, 1" Outlet Size	1,470.66	180.64
23 12 23 00-0004	EA	Natural Gas Booster Pump, 1-1/4" Outlet Size	1,651.71	188.74
23 12 23 00-0005	EA	Natural Gas Booster Pump, 1-1/2" Outlet Size	1,877.72	196.82
23 12 23 00-0006	EA	Natural Gas Booster Pump, 2" Outlet Size	2,128.38	202.21
23 13		**Facility Fuel-Storage Tanks** *(23 10)*		
23 13 13		**Facility Underground Fuel-Oil, Storage Tanks** *(23 13)*		
23 13 13 13		**Double-Wall Steel, Underground Fuel-Oil, Storage Tanks** *(23 13 13)*		
23 13 13 13-0001		Coated Underground Double Wall Storage Tanks *(23 13 13 13)* Note: Includes setting in place with hold down bars and manway and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes excavation, pad, plastic lining, pumps and piping.		
23 13 13 13-0002	EA	250 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	16,792.85	755.53
23 13 13 13-0003	EA	550 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	18,148.12	755.53
23 13 13 13-0004	EA	1,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	26,237.27	944.35
23 13 13 13-0005	EA	2,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	35,885.82	1,844.55
23 13 13 13-0006	EA	3,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	57,187.32	2,371.43
23 13 13 13-0007	EA	4,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	63,701.58	2,723.65
23 13 13 13-0008	EA	5,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	68,709.69	3,601.24
23 13 13 13-0009	EA	6,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	71,039.53	3,866.55
23 13 13 13-0010	EA	8,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	86,714.58	4,567.85
23 13 13 13-0011	EA	10,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	100,429.44	5,268.68
23 13 13 13-0012	EA	12,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	128,551.32	5,793.92
23 13 13 13-0013	EA	14,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	152,380.75	7,034.74
23 13 13 13-0014	EA	15,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	157,382.14	7,465.69
23 13 13 13-0015	EA	20,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	192,881.78	11,842.13
23 13 13 13-0016	EA	25,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	236,975.87	15,356.34
23 13 13 13-0017	EA	30,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	279,256.04	17,570.46
23 13 13 13-0018	EA	40,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	359,476.07	18,888.24
23 13 13 13-0019	EA	48,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	487,521.41	19,372.59
23 13 13 23		**Glass-Fiber-Reinforced-Plastic, Underground Fuel-Oil, Storage Tanks** *(23 13 13)*		
23 13 13 23-0001		Underground Fiberglass Storage Tanks *(23 13 13 23)*		
23 13 13 23-0002		Single Wall Fiberglass Underground Storage Tanks *(23 13 13 23-0001)* Note: Includes setting in place with hold down bars, fittings, bumper pads, flow channels, monitoring fitting, tank bottom deflector gauge plates, manway, anchor straps and 4" NPT tank mounted fitting connections as follows: 550 gallon or 1,000 gallon, 4 each: all others 6 each. Excludes excavation and backfill.		
23 13 13 23-0003	EA	550 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	4,493.73	755.53
23 13 13 23-0004	EA	1,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	5,645.42	944.35
23 13 13 23-0005	EA	2,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	7,340.04	1,168.44
23 13 13 23-0006	EA	2,500 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	8,323.77	1,423.21
23 13 13 23-0007	EA	3,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	9,304.10	1,669.20
23 13 13 23-0008	EA	4,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	11,298.48	2,196.31
23 13 13 23-0009	EA	5,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	13,379.41	3,338.38
23 13 13 23-0010	EA	6,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	15,078.46	4,216.91
23 13 13 23-0011	EA	8,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	18,128.36	4,744.02
23 13 13 23-0012	EA	10,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	20,368.43	5,622.55
23 13 13 23-0013	EA	12,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	26,316.36	6,676.78
23 13 13 23-0014	EA	15,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	32,328.36	8,345.96
23 13 13 23-0015	EA	20,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	40,745.86	11,157.24
23 13 13 23-0016	EA	25,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	61,209.65	13,880.66
23 13 13 23-0017	EA	30,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	75,085.86	16,691.93
23 13 13 23-0018	EA	40,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	107,112.85	24,159.37
23 13 13 23-0019	EA	50,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	152,960.26	30,748.29
23 13 13 23-0020		Double Wall Fiberglass Underground Storage Tanks *(23 13 13 23-0001)* Note: Includes setting in place with hold down bars, fittings, bumper pads, flow channels, monitoring fitting, tank bottom deflector gauge plates, manway, anchor straps and 4" NPT tank mounted fitting connections as follows: 550 gallon or 1,000 gallon, 4 each: all others 6 each. Excludes excavation and backfill.		
23 13 13 23-0021	EA	550 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	8,747.19	755.53
23 13 13 23-0022	EA	1,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	11,534.99	944.35
23 13 13 23-0023	EA	2,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	13,829.10	1,142.08
23 13 13 23-0024	EA	3,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	17,958.68	1,669.31
23 13 13 23-0025	EA	4,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	20,133.37	2,196.31
23 13 13 23-0026	EA	5,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	23,091.77	3,338.38
23 13 13 23-0027	EA	6,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	25,656.28	4,216.91
23 13 13 23-0028	EA	8,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	31,591.04	4,744.02
23 13 13 23-0029	EA	10,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	33,831.11	5,622.55
23 13 13 23-0030	EA	12,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	40,981.06	6,676.78
23 13 13 23-0031	EA	15,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	56,428.96	8,345.96

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 13 23-0032	EA	20,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	69,834.87	11,157.24
23 13 13 23-0033	EA	30,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	108,021.35	16,691.93

23 13 13 23-0034 Underground Storage Tank Pump Enclosures *(23 13 13 23)*

23 13 13 23-0035	EA	Secondary Containment Collar	3,294.80	
23 13 13 23-0036	EA	Turbine Enclosure With Lid 4' Long x 42" Diameter	3,294.80	
23 13 13 23-0037	EA	Fitting Kit For Turbine Enclosure	658.96	
23 13 13 23-0038	EA	Grommet Kits For Plumbing And Electrical	1,317.92	
23 13 13 23-0039	EA	Turbine Electrical Coupling Kit	1,647.40	

23 13 23 Facility Aboveground Fuel-Oil, Storage Tanks *(23 13)*

23 13 23 13 Vertical, Steel, Aboveground Fuel-Oil, Storage Tanks *(23 13 23)*

23 13 23 13-0001 Vertical Rectangular Double Wall Steel Fuel Day Tank *(23 13 23 13)*

Note: Includes day tank with standard equipment, pump, pump control, level control, backup level control, level alarms, alarm outputs.

23 13 23 13-0002	EA	10 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,182.23	140.53
23 13 23 13-0003	EA	15 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,269.36	147.55
23 13 23 13-0004	EA	25 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,377.79	158.09
23 13 23 13-0005	EA	50 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,582.21	168.63
23 13 23 13-0006	EA	60 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,763.65	175.66
23 13 23 13-0007	EA	75 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,079.34	210.78
23 13 23 13-0008	EA	100 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,796.19	245.91
23 13 23 13-0009	EA	150 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	3,537.04	281.04
23 13 23 13-0010	EA	200 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	4,535.04	316.17
23 13 23 13-0011	EA	275 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	5,054.74	351.31
23 13 23 13-0012	EA	300 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	5,785.57	421.57
23 13 23 13-0013	EA	350 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,482.11	491.83
23 13 23 13-0014	EA	400 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	7,199.23	562.09
23 13 23 13-0015	EA	450 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	7,988.08	597.22
23 13 23 13-0016	EA	500 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	8,782.07	632.35
23 13 23 13-0017	EA	550 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	9,684.07	667.48
23 13 23 13-0018	EA	600 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	10,472.92	702.61
23 13 23 13-0019	EA	700 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	11,667.15	843.14
23 13 23 13-0020	EA	800 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	12,584.83	913.39
23 13 23 13-0021	EA	900 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	13,815.06	1,053.92
23 13 23 13-0022	EA	1,000 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	15,050.43	1,194.45
23 13 23 13-0023	EA	10 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,432.52	140.53
23 13 23 13-0024	EA	15 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,521.36	147.55
23 13 23 13-0025	EA	25 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,629.79	158.09
23 13 23 13-0026	EA	50 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,832.50	168.63
23 13 23 13-0027	EA	60 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,013.94	175.66
23 13 23 13-0028	EA	75 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,331.35	210.78
23 13 23 13-0029	EA	100 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	3,072.20	245.91
23 13 23 13-0030	EA	150 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	3,813.05	281.04
23 13 23 13-0031	EA	200 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	4,811.05	316.17
23 13 23 13-0032	EA	275 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	5,330.75	351.31
23 13 23 13-0033	EA	300 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,061.57	421.57

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0034	EA	350 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,758.11	491.83
23 13 23 13-0035	EA	400 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	7,475.24	562.09
23 13 23 13-0036	EA	450 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	8,264.09	597.22
23 13 23 13-0037	EA	500 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	9,058.08	632.35
23 13 23 13-0038	EA	550 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	9,961.79	667.48
23 13 23 13-0039	EA	600 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	10,750.64	702.61
23 13 23 13-0040	EA	700 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	11,943.15	843.14
23 13 23 13-0041	EA	800 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	12,860.83	913.39
23 13 23 13-0042	EA	900 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	14,091.06	1,053.92
23 13 23 13-0043	EA	1,000 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	15,326.44	1,194.45
23 13 23 13-0044	EA	10 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,380.54	140.53
23 13 23 13-0045	EA	15 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,459.10	147.55
23 13 23 13-0046	EA	25 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,529.81	158.09
23 13 23 13-0047	EA	50 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,801.09	168.63
23 13 23 13-0048	EA	60 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,903.67	175.66
23 13 23 13-0049	EA	75 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,209.08	210.78
23 13 23 13-0050	EA	100 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,862.50	245.91
23 13 23 13-0051	EA	150 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,874.21	281.04
23 13 23 13-0052	EA	200 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	5,481.34	316.17
23 13 23 13-0053	EA	275 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	7,163.36	351.31
23 13 23 13-0054	EA	300 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,096.47	421.57
23 13 23 13-0055	EA	350 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,659.30	491.83
23 13 23 13-0056	EA	400 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,424.42	562.09
23 13 23 13-0057	EA	450 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,177.27	597.22
23 13 23 13-0058	EA	500 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,170.12	632.35
23 13 23 13-0059	EA	550 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,583.54	667.48
23 13 23 13-0060	EA	600 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,954.09	702.61
23 13 23 13-0061	EA	700 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	13,674.62	843.14
23 13 23 13-0062	EA	800 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	15,341.45	913.39
23 13 23 13-0063	EA	900 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	17,164.84	1,053.92
23 13 23 13-0064	EA	1,000 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	19,017.37	1,194.45
23 13 23 13-0065	EA	10 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,511.99	140.53
23 13 23 13-0066	EA	15 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,590.55	147.55
23 13 23 13-0067	EA	25 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,661.26	158.09
23 13 23 13-0068	EA	50 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,932.54	168.63
23 13 23 13-0069	EA	60 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,035.12	175.66
23 13 23 13-0070	EA	75 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,340.53	210.78
23 13 23 13-0071	EA	100 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,993.95	245.91
23 13 23 13-0072	EA	150 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	6,005.66	281.04
23 13 23 13-0073	EA	200 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	6,688.23	316.17
23 13 23 13-0074	EA	275 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	7,900.51	351.31
23 13 23 13-0075	EA	300 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,833.63	421.57

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0076	EA	350 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,398.17	491.83
23 13 23 13-0077	EA	400 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,161.58	562.09
23 13 23 13-0078	EA	450 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,916.14	597.22
23 13 23 13-0079	EA	500 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,907.28	632.35
23 13 23 13-0080	EA	550 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,320.69	667.48
23 13 23 13-0081	EA	600 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,691.25	702.61
23 13 23 13-0082	EA	700 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	14,411.78	843.14
23 13 23 13-0083	EA	800 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	16,080.33	913.39
23 13 23 13-0084	EA	900 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	17,902.00	1,053.92
23 13 23 13-0085	EA	1,000 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	19,754.52	1,194.45
23 13 23 13-0086	EA	10 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,144.57	140.53
23 13 23 13-0087	EA	15 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,231.70	147.55
23 13 23 13-0088	EA	25 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,304.13	158.09
23 13 23 13-0089	EA	50 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,583.98	168.63
23 13 23 13-0090	EA	60 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,734.56	175.66
23 13 23 13-0091	EA	75 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,012.55	210.78
23 13 23 13-0092	EA	100 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,691.68	245.91
23 13 23 13-0093	EA	150 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,751.39	281.04
23 13 23 13-0094	EA	200 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	7,380.81	316.17
23 13 23 13-0095	EA	275 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	9,127.97	351.31
23 13 23 13-0096	EA	300 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,109.08	421.57
23 13 23 13-0097	EA	350 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,618.76	491.83
23 13 23 13-0098	EA	400 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	11,486.75	562.09
23 13 23 13-0099	EA	450 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	12,397.31	597.22
23 13 23 13-0100	EA	500 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,313.02	632.35
23 13 23 13-0101	EA	550 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,776.15	667.48
23 13 23 13-0102	EA	600 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,120.99	702.61
23 13 23 13-0103	EA	700 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	15,918.66	843.14
23 13 23 13-0104	EA	800 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	17,666.07	913.39
23 13 23 13-0105	EA	900 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	19,570.03	1,053.92
23 13 23 13-0106	EA	1,000 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	21,499.70	1,194.45

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0107	EA	10 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,276.03	140.53
23 13 23 13-0108	EA	15 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,363.16	147.55
23 13 23 13-0109	EA	25 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,435.58	158.09
23 13 23 13-0110	EA	50 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,715.43	168.63
23 13 23 13-0111	EA	60 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,866.01	175.66
23 13 23 13-0112	EA	75 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,140.57	210.78
23 13 23 13-0113	EA	100 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,823.13	245.91
23 13 23 13-0114	EA	150 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	7,882.84	281.04
23 13 23 13-0115	EA	200 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	8,512.26	316.17
23 13 23 13-0116	EA	275 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	9,865.12	351.31
23 13 23 13-0117	EA	300 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,846.24	421.57
23 13 23 13-0118	EA	350 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	11,527.35	491.83
23 13 23 13-0119	EA	400 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	12,223.90	562.09
23 13 23 13-0120	EA	450 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,134.47	597.22
23 13 23 13-0121	EA	500 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,050.18	632.35
23 13 23 13-0122	EA	550 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,513.31	667.48
23 13 23 13-0123	EA	600 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,859.87	702.61
23 13 23 13-0124	EA	700 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	16,655.82	843.14
23 13 23 13-0125	EA	800 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	18,403.23	913.39
23 13 23 13-0126	EA	900 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	20,307.19	1,053.92
23 13 23 13-0127	EA	1,000 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	22,236.86	1,194.45
23 13 23 13-0128	EA	150% Containment Double Wall Open Top Basin For 10 Gallon Tank	1,171.05	140.53
23 13 23 13-0129	EA	150% Containment Double Wall Open Top Basin For 15 Gallon Tank	1,268.74	147.55
23 13 23 13-0130	EA	150% Containment Double Wall Open Top Basin For 25 Gallon Tank	1,376.83	158.09
23 13 23 13-0131	EA	150% Containment Double Wall Open Top Basin For 50 Gallon Tank	1,573.16	168.63
23 13 23 13-0132	EA	150% Containment Double Wall Open Top Basin For 60 Gallon Tank	2,089.50	175.66
23 13 23 13-0133	EA	150% Containment Double Wall Open Top Basin For 75 Gallon Tank	2,148.05	210.78
23 13 23 13-0134	EA	150% Containment Double Wall Open Top Basin For 100 Gallon Tank	2,699.92	245.91
23 13 23 13-0135	EA	150% Containment Double Wall Open Top Basin For 150 Gallon Tank	3,340.03	281.04
23 13 23 13-0136	EA	150% Containment Double Wall Open Top Basin For 200 Gallon Tank	4,385.21	316.17
23 13 23 13-0137	EA	150% Containment Double Wall Open Top Basin For 275 Gallon Tank	5,507.32	351.31
23 13 23 13-0138	EA	150% Containment Double Wall Open Top Basin For 300 Gallon Tank	6,611.05	421.57
23 13 23 13-0139	EA	150% Containment Double Wall Open Top Basin For 350 Gallon Tank	7,106.05	491.83
23 13 23 13-0140	EA	150% Containment Double Wall Open Top Basin For 400 Gallon Tank	7,603.33	562.09
23 13 23 13-0141	EA	150% Containment Double Wall Open Top Basin For 450 Gallon Tank	8,347.54	597.22
23 13 23 13-0142	EA	150% Containment Double Wall Open Top Basin For 500 Gallon Tank	9,094.01	632.35
23 13 23 13-0143	EA	150% Containment Double Wall Open Top Basin For 550 Gallon Tank	9,743.20	667.48
23 13 23 13-0144	EA	150% Containment Double Wall Open Top Basin For 600 Gallon Tank	10,399.14	702.61
23 13 23 13-0145	EA	150% Containment Double Wall Open Top Basin For 700 Gallon Tank	11,769.32	843.14
23 13 23 13-0146	EA	150% Containment Double Wall Open Top Basin For 800 Gallon Tank	13,063.12	913.39
23 13 23 13-0147	EA	150% Containment Double Wall Open Top Basin For 900 Gallon Tank	14,510.25	1,053.92
23 13 23 13-0148	EA	150% Containment Double Wall Open Top Basin For 1,000 Gallon Tank	15,907.59	1,194.45

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0149	EA	200% Containment Double Wall Open Top Basin For 10 Gallon Tank	1,234.80	147.55
23 13 23 13-0150	EA	200% Containment Double Wall Open Top Basin For 15 Gallon Tank	1,343.14	158.09
23 13 23 13-0151	EA	200% Containment Double Wall Open Top Basin For 25 Gallon Tank	1,456.24	168.63
23 13 23 13-0152	EA	200% Containment Double Wall Open Top Basin For 50 Gallon Tank	1,656.66	175.66
23 13 23 13-0153	EA	200% Containment Double Wall Open Top Basin For 60 Gallon Tank	2,247.87	210.78
23 13 23 13-0154	EA	200% Containment Double Wall Open Top Basin For 75 Gallon Tank	2,306.42	245.91
23 13 23 13-0155	EA	200% Containment Double Wall Open Top Basin For 100 Gallon Tank	2,885.69	281.04
23 13 23 13-0156	EA	200% Containment Double Wall Open Top Basin For 150 Gallon Tank	3,558.12	316.17
23 13 23 13-0157	EA	200% Containment Double Wall Open Top Basin For 200 Gallon Tank	4,658.11	351.31
23 13 23 13-0158	EA	200% Containment Double Wall Open Top Basin For 275 Gallon Tank	5,839.31	386.44
23 13 23 13-0159	EA	200% Containment Double Wall Open Top Basin For 300 Gallon Tank	6,997.84	456.70
23 13 23 13-0160	EA	200% Containment Double Wall Open Top Basin For 350 Gallon Tank	7,513.85	526.96
23 13 23 13-0161	EA	200% Containment Double Wall Open Top Basin For 400 Gallon Tank	8,032.24	597.22
23 13 23 13-0162	EA	200% Containment Double Wall Open Top Basin For 450 Gallon Tank	8,814.54	632.35
23 13 23 13-0163	EA	200% Containment Double Wall Open Top Basin For 500 Gallon Tank	9,599.23	667.48
23 13 23 13-0164	EA	200% Containment Double Wall Open Top Basin For 550 Gallon Tank	10,281.23	702.61
23 13 23 13-0165	EA	200% Containment Double Wall Open Top Basin For 600 Gallon Tank	11,028.92	772.88
23 13 23 13-0166	EA	200% Containment Double Wall Open Top Basin For 700 Gallon Tank	12,462.20	913.39
23 13 23 13-0167	EA	200% Containment Double Wall Open Top Basin For 800 Gallon Tank	13,938.49	1,053.92
23 13 23 13-0168	EA	200% Containment Double Wall Open Top Basin For 900 Gallon Tank	15,453.00	1,194.45
23 13 23 13-0169	EA	200% Containment Double Wall Open Top Basin For 1,000 Gallon Tank	16,914.95	1,334.96
23 13 23 13-0170	EA	150% Containment Double Wall Sealed Top Basin For 10 Gallon Tank	1,349.82	140.53
23 13 23 13-0171	EA	150% Containment Double Wall Sealed Top Basin For 15 Gallon Tank	1,470.14	147.55
23 13 23 13-0172	EA	150% Containment Double Wall Sealed Top Basin For 25 Gallon Tank	1,591.80	158.09
23 13 23 13-0173	EA	150% Containment Double Wall Sealed Top Basin For 50 Gallon Tank	1,833.39	168.63
23 13 23 13-0174	EA	150% Containment Double Wall Sealed Top Basin For 60 Gallon Tank	2,447.04	175.66
23 13 23 13-0175	EA	150% Containment Double Wall Sealed Top Basin For 75 Gallon Tank	2,505.59	210.78
23 13 23 13-0176	EA	150% Containment Double Wall Sealed Top Basin For 100 Gallon Tank	3,138.92	245.91
23 13 23 13-0177	EA	150% Containment Double Wall Sealed Top Basin For 150 Gallon Tank	3,885.39	281.04
23 13 23 13-0178	EA	150% Containment Double Wall Sealed Top Basin For 200 Gallon Tank	5,115.51	316.17
23 13 23 13-0179	EA	150% Containment Double Wall Sealed Top Basin For 275 Gallon Tank	6,493.95	351.31
23 13 23 13-0180	EA	150% Containment Double Wall Sealed Top Basin For 300 Gallon Tank	7,799.07	421.57
23 13 23 13-0181	EA	150% Containment Double Wall Sealed Top Basin For 350 Gallon Tank	8,364.23	491.83
23 13 23 13-0182	EA	150% Containment Double Wall Sealed Top Basin For 400 Gallon Tank	8,933.92	562.09
23 13 23 13-0183	EA	150% Containment Double Wall Sealed Top Basin For 450 Gallon Tank	9,820.69	597.22
23 13 23 13-0184	EA	150% Containment Double Wall Sealed Top Basin For 500 Gallon Tank	10,709.72	632.35
23 13 23 13-0185	EA	150% Containment Double Wall Sealed Top Basin For 550 Gallon Tank	11,465.25	667.48
23 13 23 13-0186	EA	150% Containment Double Wall Sealed Top Basin For 600 Gallon Tank	12,238.88	702.61
23 13 23 13-0187	EA	150% Containment Double Wall Sealed Top Basin For 700 Gallon Tank	13,846.67	843.14
23 13 23 13-0188	EA	150% Containment Double Wall Sealed Top Basin For 800 Gallon Tank	15,380.33	913.39
23 13 23 13-0189	EA	150% Containment Double Wall Sealed Top Basin For 900 Gallon Tank	17,065.06	1,053.92
23 13 23 13-0190	EA	150% Containment Double Wall Sealed Top Basin For 1,000 Gallon Tank	18,700.01	1,194.45
23 13 23 13-0191	EA	200% Containment Double Wall Sealed Top Basin For 10 Gallon Tank	1,423.50	147.55
23 13 23 13-0192	EA	200% Containment Double Wall Sealed Top Basin For 15 Gallon Tank	1,555.72	158.09
23 13 23 13-0193	EA	200% Containment Double Wall Sealed Top Basin For 25 Gallon Tank	1,683.16	168.63
23 13 23 13-0194	EA	200% Containment Double Wall Sealed Top Basin For 50 Gallon Tank	1,931.35	175.66
23 13 23 13-0195	EA	200% Containment Double Wall Sealed Top Basin For 60 Gallon Tank	2,625.28	210.78
23 13 23 13-0196	EA	200% Containment Double Wall Sealed Top Basin For 75 Gallon Tank	2,683.83	245.91
23 13 23 13-0197	EA	200% Containment Double Wall Sealed Top Basin For 100 Gallon Tank	3,349.08	281.04
23 13 23 13-0198	EA	200% Containment Double Wall Sealed Top Basin For 150 Gallon Tank	4,133.78	316.17
23 13 23 13-0199	EA	200% Containment Double Wall Sealed Top Basin For 200 Gallon Tank	5,428.98	351.31
23 13 23 13-0200	EA	200% Containment Double Wall Sealed Top Basin For 275 Gallon Tank	6,880.74	386.44
23 13 23 13-0201	EA	200% Containment Double Wall Sealed Top Basin For 300 Gallon Tank	8,251.87	456.70
23 13 23 13-0202	EA	200% Containment Double Wall Sealed Top Basin For 350 Gallon Tank	8,841.93	526.96
23 13 23 13-0203	EA	200% Containment Double Wall Sealed Top Basin For 400 Gallon Tank	9,436.75	597.22
23 13 23 13-0204	EA	200% Containment Double Wall Sealed Top Basin For 450 Gallon Tank	10,369.53	632.35
23 13 23 13-0205	EA	200% Containment Double Wall Sealed Top Basin For 500 Gallon Tank	11,304.71	667.48
23 13 23 13-0206	EA	200% Containment Double Wall Sealed Top Basin For 550 Gallon Tank	12,098.95	702.61
23 13 23 13-0207	EA	200% Containment Double Wall Sealed Top Basin For 600 Gallon Tank	12,970.87	772.88
23 13 23 13-0208	EA	200% Containment Double Wall Sealed Top Basin For 700 Gallon Tank	14,654.95	913.39
23 13 23 13-0209	EA	200% Containment Double Wall Sealed Top Basin For 800 Gallon Tank	16,384.43	1,053.92
23 13 23 13-0210	EA	200% Containment Double Wall Sealed Top Basin For 900 Gallon Tank	18,149.75	1,194.45
23 13 23 13-0211	EA	200% Containment Double Wall Sealed Top Basin For 1,000 Gallon Tank	19,862.50	1,334.96

23 13 23 16 Horizontal, Steel, Aboveground Fuel-Oil, Storage Tanks *(23 13 23)*

23 13 23 16-0001 Single Wall Aboveground Storage Tanks *(23 13 23 16)*

Note: Includes cradles, supports, coating, fittings, and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes pumps, piping, pad, foundation excavation and backfill.

23 13 23 16-0002	EA	300 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	5,100.64	763.74
23 13 23 16-0003	EA	550 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	6,131.49	924.52
23 13 23 16-0004	EA	1,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	8,290.79	1,288.65
23 13 23 16-0005	EA	1,500 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	10,720.69	1,610.81
23 13 23 16-0006	EA	2,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	12,850.56	2,158.70
23 13 23 16-0007	EA	3,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	19,437.36	2,222.19
23 13 23 16-0008	EA	5,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	28,286.87	2,747.43
23 13 23 16-0009	EA	8,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	38,881.18	3,148.04
23 13 23 16-0010	EA	10,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	46,359.74	3,434.21
23 13 23 16-0011	EA	12,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	53,827.41	3,777.64
23 13 23 16-0012	EA	15,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	59,586.38	4,197.34
23 13 23 16-0013	EA	20,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	74,419.87	5,396.59

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LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 16-0014	EA	30,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	101,722.84	6,296.08
23 13 23 16-0015		**Double Wall Aboveground Storage Tanks** *(23 13 23 16)*		
		Note: Includes cradles, supports, coating, fittings, and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes pumps, piping, pad, foundation excavation and backfill.		
23 13 23 16-0016	EA	300 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	8,106.90	952.98
23 13 23 16-0017	EA	550 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	9,741.08	1,153.22
23 13 23 16-0018	EA	1,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	12,989.70	1,610.81
23 13 23 16-0019	EA	1,500 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	17,040.81	2,013.51
23 13 23 16-0020	EA	2,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	21,888.01	2,698.35
23 13 23 16-0021	EA	2,500 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	26,505.15	2,698.35
		For 1/4" Thick Shell, Add	*6,361.24*	
		For Fireguard® Tanks, Add	*3,865.81*	
23 13 23 16-0022	EA	3,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	31,233.02	2,777.65
23 13 23 16-0023	EA	4,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	38,478.43	3,099.78
		For 1/4" Thick Shell, Add	*9,234.82*	
		For Fireguard® Tanks, Add	*5,806.04*	
23 13 23 16-0024	EA	5,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	45,723.75	3,421.79
23 13 23 16-0025	EA	6,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	51,048.35	3,556.26
		For 1/4" Thick Shell, Add	*12,251.60*	
		For Fireguard® Tanks, Add	*7,834.50*	
23 13 23 16-0026	EA	8,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	63,244.80	3,935.07
23 13 23 16-0027	EA	10,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	75,598.74	4,292.81
23 13 23 16-0028	EA	12,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	87,900.53	4,722.00
23 13 23 16-0029	EA	15,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	97,295.74	5,246.77
23 13 23 16-0030	EA	20,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	121,425.19	6,745.76
23 13 23 16-0031	EA	25,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	144,019.33	7,307.90
		For Fireguard® Tanks, Add	*22,749.77*	
23 13 23 16-0032	EA	30,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	166,613.48	7,870.04
23 13 23 16-0033		**Horizontal Rectangular Double Wall Aboveground Fuel Day Tanks** *(23 13 23 16)*		
		Note: Includes solenoid valve. Excludes piping and concrete pad.		
23 13 23 16-0034	EA	550 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank	15,809.77	1,153.22
23 13 23 16-0035	EA	750 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank	16,723.03	1,328.91
23 13 23 16-0036	EA	1,000 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank	18,788.37	1,610.81
23 13 23 16-0037	EA	1,500 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank	22,477.65	2,013.51
23 13 23 16-0038	EA	2,000 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank Note: Includes 2" solenoid valve.	28,756.57	2,698.35
23 13 23 19		**Containment-Dike, Steel, Aboveground Fuel-Oil, Storage Tanks** *(23 13 23)*		
23 13 23 19-0001		**Secondary Containment For Above Ground Tanks** *(23 13 23 19)*		
23 13 23 19-0002	EA	Steel Dike For 550 Gallon Tank, Uncoated	6,414.88	
23 13 23 19-0003	EA	Steel Dike For 1,000 Gallon Tank, Uncoated	7,749.59	
23 13 23 19-0004	EA	Steel Dike For 2,000 Gallon Tank, Uncoated	16,975.35	
23 13 23 19-0005	EA	Steel Dike For 3,000 Gallon Tank, Uncoated	18,568.71	
23 13 23 19-0006	EA	Steel Dike For 5,000 Gallon Tank, Uncoated	26,410.95	
23 13 23 19-0007	EA	Steel Dike For 6,000 Gallon Tank, Uncoated	29,590.33	
23 13 23 19-0008	EA	Steel Dike For 8,000 Gallon Tank, Uncoated	39,074.71	
23 13 23 19-0009	EA	Steel Dike For 10,000 Gallon Tank, Uncoated	45,845.91	
23 13 23 19-0010	EA	Steel Dike For 12,000 Gallon Tank, Uncoated	52,099.66	
23 13 23 19-0011	EA	Steel Dike For 15,000 Gallon Tank, Uncoated	63,433.63	
23 13 23 19-0012	EA	Steel Dike For 20,000 Gallon Tank, Uncoated	81,224.05	
23 13 23 26		**Concrete-Vaulted, Steel, Aboveground Fuel-Oil, Storage Tanks** *(23 13 23)*		
23 13 23 26-0001		**Aboveground Concrete Vaulted Storage Tanks** *(23 13 23 26)*		
		Note: Includes setting in place with stand, NPT openings for an emergency vent, regular vent, gauge, fill with an internal 5 gallon minimum overfill containment, supply and return and leak detection. All tanks that are 2000 gallon and larger shall have a ladder for access. Excludes excavation, pad, pumps and piping.		
23 13 23 26-0002	EA	500 Gallon Concrete Vaulted Storage Tank	35,417.91	1,633.93
		For Low Profile Tanks, Add	*13,255.20*	
23 13 23 26-0003	EA	1,000 Gallon Concrete Vaulted Storage Tank	44,670.62	1,844.55
		For Low Profile Tanks, Add	*16,838.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 26-0004	EA	2,000 Gallon Concrete Vaulted Storage Tank	79,576.47	2,196.31
		For Low Profile Tanks, Add	*30,604.74*	
23 13 23 26-0005	EA	4,000 Gallon Concrete Vaulted Storage Tank	125,675.56	4,830.82
23 13 23 26-0006	EA	5,000 Gallon Concrete Vaulted Storage Tank	143,664.62	5,276.05
23 13 23 26-0007	EA	6,000 Gallon Concrete Vaulted Storage Tank	161,746.22	5,697.75
23 13 23 26-0008	EA	8,000 Gallon Concrete Vaulted Storage Tank	179,804.65	6,182.80
23 13 23 26-0009	EA	10,000 Gallon Concrete Vaulted Storage Tank	197,855.50	6,581.31

23 13 33 Facility Fuel-Oil, Storage Tank Accessories *(23 13)*

23 13 33 00-0001 EPA Requirements *(23 13 33)*

23 13 33 00-0002	EA	Fill Pipe Spill Containment Manhole (5 Gallon)	788.79	
23 13 33 00-0003	EA	Over-Fill Prevention Valve	1,487.84	
23 13 33 00-0004	EA	Tank Manway With Cover, Fiberglass	4,403.06	
23 13 33 00-0005	EA	Tank Manway With Cover, Steel	4,586.77	
23 13 33 00-0006	EA	Vent Fill Alarm (Whistle Vent)	181.37	
23 13 33 00-0007	EA	Reservoir Sensor, Liquid Level	551.02	
23 13 33 00-0008	EA	Manhole Spill Containment	1,251.73	273.91
23 13 33 00-0009	EA	Fill Adapter, 4"	396.83	182.64
23 13 33 00-0010	EA	Fill Cap, 4"	274.85	68.47
23 13 33 00-0011	EA	2" Vent Cap	161.33	45.68
23 13 33 00-0012	EA	4" x 2" Extractor Fitting	619.04	68.47
23 13 33 00-0013	EA	Float Vent Valve	420.83	136.95
23 13 33 00-0014	EA	Vapor Hose Adapter	571.00	91.27
23 13 33 00-0015	EA	Dust Cap	237.50	49.85
23 13 33 00-0016	EA	1" Double Poppet Foot Valve	484.83	78.23
23 13 33 00-0017	EA	10' Wood Gage Stick	43.31	
23 13 33 00-0018	EA	1-1/4" Tank Filled Breather, NPT	222.38	
23 13 33 00-0019	EA	1-1/2" Tank Filled Breather, Bayonet	307.42	
23 13 33 00-0020	EA	2" Cast Iron Combination Fill Cap And Vent	83.86	
23 13 33 00-0021	EA	3" Cast Iron Combination Fill Cap And Vent	113.04	
23 13 33 00-0022	EA	4" Cast Iron Combination Fill Cap And Vent	177.34	
23 13 33 00-0023	EA	Pressure And Vacuum Control Vent	1,432.55	
23 13 33 00-0024	EA	1/4 HP Fuel/Diesel Pump Set	1,940.66	
23 13 33 00-0025	EA	1/3 HP Fuel/Diesel Pump Set	2,299.01	
23 13 33 00-0026	EA	1/2 HP Fuel/Diesel Pump Set	2,503.92	
23 13 33 00-0027	EA	3/4 HP Fuel/Diesel Pump Set	2,743.25	
23 13 33 00-0028	EA	1 HP Fuel/Diesel Pump Set	3,948.26	
23 13 33 00-0029	EA	1-1/2 HP Fuel/Diesel Pump Set	4,884.56	
23 13 33 00-0030	EA	2 HP Fuel/Diesel Pump Set	5,406.53	
23 13 33 00-0031	EA	3 HP Fuel/Diesel Pump Set	6,655.84	
23 13 33 00-0032	EA	5 HP Fuel/Diesel Pump Set	7,886.22	
23 13 33 00-0033	EA	7.5 HP Fuel/Diesel Pump Set	8,827.49	
23 13 33 00-0034	EA	10 HP Fuel/Diesel Pump Set	10,200.44	

23 13 33 00-0035 Tank Bulkhead Fittings *(23 13 33)*

23 13 33 00-0036 Tank Bulkhead Fittings *(23 13 33 00-0035)*

23 13 33 00-0037 Polyvinyl Chloride (PVC) Tank Bulkhead Fittings, Socket x Threaded Connection *(23 13 33 00-0036)*

23 13 33 00-0038	EA	1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	51.01
23 13 33 00-0039	EA	3/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	57.05
23 13 33 00-0040	EA	1" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	62.72
23 13 33 00-0041	EA	1-1/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	76.14
23 13 33 00-0042	EA	1-1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	78.47
23 13 33 00-0043	EA	2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	103.91
23 13 33 00-0044	EA	3" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	166.30
23 13 33 00-0045	EA	4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	293.67

23 13 33 00-0046 Polyvinyl Chloride (PVC) Tank Bulkhead Fittings, Thread x Threaded Connection *(23 13 33 00-0036)*

23 13 33 00-0047	EA	1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	59.74
23 13 33 00-0048	EA	3/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	65.74
23 13 33 00-0049	EA	1" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	71.76
23 13 33 00-0050	EA	1-1/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	90.18
23 13 33 00-0051	EA	1-1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	96.20
23 13 33 00-0052	EA	2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	119.98
23 13 33 00-0053	EA	3" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	187.74
23 13 33 00-0054	EA	4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	324.11

23 13 33 00-0055 Chlorinated Polyvinyl Chloride (CPVC) Tank Bulkhead Fittings, Socket x Threaded Connection *(23 13 33 00-0036)*

23 13 33 00-0056	EA	1/2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	61.73
23 13 33 00-0057	EA	3/4" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	71.46
23 13 33 00-0058	EA	1" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	80.81
23 13 33 00-0059	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	104.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 33 00-0060	EA	2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	138.04	
23 13 33 00-0061	EA	3" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	216.87	
23 13 33 00-0062	EA	4" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	342.21	

23 13 33 00-0063 Polypropylene Tank Bulkhead Fitting Thread x Threaded Connection *(23 13 33 00-0036)*

23 13 33 00-0064	EA	1/2" Polypropylene Bulkhead Fitting, Thread x Thread	72.79	
23 13 33 00-0065	EA	3/4" Polypropylene Bulkhead Fitting, Thread x Thread	86.18	
23 13 33 00-0066	EA	1" Polypropylene Bulkhead Fitting, Thread x Thread	106.57	
23 13 33 00-0067	EA	1-1/4" Polypropylene Bulkhead Fitting, Thread x Thread	130.34	
23 13 33 00-0068	EA	1-1/2" Polypropylene Bulkhead Fitting, Thread x Thread	132.67	
23 13 33 00-0069	EA	2" Polypropylene Bulkhead Fitting, Thread x Thread	191.25	
23 13 33 00-0070	EA	3" Polypropylene Bulkhead Fitting, Thread x Thread	345.36	
23 13 33 00-0071	EA	4" Polypropylene Bulkhead Fitting, Thread x Thread	619.99	

23 13 33 00-0072 Polyethylene Tank Bulkhead Fittings Thread x Threaded Connection *(23 13 33 00-0036)*

23 13 33 00-0073	EA	3/4" Polyethylene Bulkhead Fitting, Thread x Thread	63.40	
23 13 33 00-0074	EA	1" Polyethylene Bulkhead Fitting, Thread x Thread	82.37	
23 13 33 00-0075	EA	1-1/4" Polyethylene Bulkhead Fitting, Thread x Thread	84.72	
23 13 33 00-0076	EA	1-1/2" Polyethylene Bulkhead Fitting, Thread x Thread	87.05	
23 13 33 00-0077	EA	2" Polyethylene Bulkhead Fitting, Thread x Thread	122.64	
23 13 33 00-0078	EA	3" Polyethylene Bulkhead Fitting, Thread x Thread	155.70	

23 13 33 00-0079 TFE Teflon Tank Bulkhead Fittings, Thread x Threaded Connection *(23 13 33 00-0036)*

23 13 33 00-0080	EA	1/8" TFE Teflon Bulkhead Fitting, Thread x Thread	283.35	
23 13 33 00-0081	EA	1/4" TFE Teflon Bulkhead Fitting, Thread x Thread	323.93	
23 13 33 00-0082	EA	3/8" TFE Teflon Bulkhead Fitting, Thread x Thread	398.69	
23 13 33 00-0083	EA	1/2" TFE Teflon Bulkhead Fitting, Thread x Thread	459.99	
23 13 33 00-0084	EA	3/4" TFE Teflon Bulkhead Fitting, Thread x Thread	530.14	
23 13 33 00-0085	EA	1" TFE Teflon Bulkhead Fitting, Thread x Thread	668.27	
23 13 33 00-0086	EA	1-1/2" TFE Teflon Bulkhead Fitting, Thread x Thread	868.50	
23 13 33 00-0087	EA	2" TFE Teflon Bulkhead Fitting, Thread x Thread	959.69	

23 13 33 00-0088 Self-Aligning Bulkhead Fittings *(23 13 33 00-0035)*

23 13 33 00-0089	EA	3/4" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	289.39	
23 13 33 00-0090	EA	1" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	289.49	
23 13 33 00-0091	EA	1-1/2" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	423.41	
23 13 33 00-0092	EA	2" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	432.04	
23 13 33 00-0093	EA	3" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	583.98	

23 20 HVAC Piping and Pumps *(23)*

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which exclude the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

23 21 Hydronic Piping and Pumps *(23 20)*

23 21 13 Hydronic Piping *(23 21)*

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which exclude the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

23 21 13 23 Aboveground Hydronic Piping *(23 21 13)*

23 21 13 23-0001 Threaded Black Steel Pipe *(23 21 13 23)*

23 21 13 23-0002 Threaded Black Steel Pipe Assemblies *(23 21 13 23-0001)*

Note: ASTM A-53 pipe and A-105 fittings. Threaded and coupled. Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. Includes cutting and threading to length where necessary.

23 21 13 23-0003	LF	1/2" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	21.56	4.31
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*5.39*	
		For Work In Restricted Working Space, Add	*4.46*	
23 21 13 23-0004	LF	3/4" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	23.64	4.63
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*6.03*	
		For Work In Restricted Working Space, Add	*4.66*	
23 21 13 23-0005	LF	1" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	26.28	5.07
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*6.84*	
		For Work In Restricted Working Space, Add	*4.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0006	LF	1-1/4" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	31.66	5.28
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*8.57*	
		For Work In Restricted Working Space, Add	*5.30*	
23 21 13 23-0007	LF	1-1/2" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	33.76	6.26
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*9.29*	
		For Work In Restricted Working Space, Add	*5.37*	
23 21 13 23-0008	LF	2" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	40.24	7.54
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*11.26*	
		For Work In Restricted Working Space, Add	*6.05*	
23 21 13 23-0009	LF	2-1/2" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	57.57	8.94
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*16.72*	
		For Work In Restricted Working Space, Add	*7.51*	
23 21 13 23-0010	LF	3" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	73.30	11.97
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*21.48*	
		For Work In Restricted Working Space, Add	*9.20*	
23 21 13 23-0011	LF	4" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	101.26	14.04
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*31.05*	
		For Work In Restricted Working Space, Add	*10.14*	
23 21 13 23-0012	LF	5" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	149.86	17.94
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*47.50*	
		For Work In Restricted Working Space, Add	*12.08*	
23 21 13 23-0013	LF	6" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	181.86	21.22
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*58.17*	
		For Work In Restricted Working Space, Add	*13.69*	

23 21 13 23-0014 Threaded Black Steel Pipe And Fittings *(23 21 13 23-0001)*

Note: ASTM A-53 pipe and A-105 fittings. Threaded and coupled, schedule 40. Excludes hangers, elbow, tee, or reducer fittings.

23 21 13 23-0015 Threaded And Coupled, Black Steel Piping *(23 21 13 23-0014)*

Note: ASTM A-53. Includes coupling. Includes cutting and threading to length where necessary.

23 21 13 23-0016	LF	3/8" Schedule 40, Threaded And Coupled, Black Steel Pipe	8.00	2.70
		For Schedule 80 Pipe, Add	*1.70*	
		For Work In Restricted Working Space, Add	*1.63*	
23 21 13 23-0017	LF	1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe	10.82	4.31
		For Schedule 80 Pipe, Add	*2.58*	
		For Work In Restricted Working Space, Add	*1.96*	
23 21 13 23-0018	LF	3/4" Schedule 40, Threaded And Coupled, Black Steel Pipe	12.49	4.63
		For Schedule 80 Pipe, Add	*3.19*	
		For Work In Restricted Working Space, Add	*2.09*	
23 21 13 23-0019	LF	1" Schedule 40, Threaded And Coupled, Black Steel Pipe	14.92	5.07
		For Schedule 80 Pipe, Add	*4.08*	
		For Work In Restricted Working Space, Add	*2.26*	
23 21 13 23-0020	LF	1-1/4" Schedule 40, Threaded And Coupled, Black Steel Pipe	17.87	5.28
		For Schedule 80 Pipe, Add	*5.25*	
		For Work In Restricted Working Space, Add	*2.40*	
23 21 13 23-0021	LF	1-1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe	21.21	6.26
		For Schedule 80 Pipe, Add	*6.26*	
		For Work In Restricted Working Space, Add	*2.81*	
23 21 13 23-0022	LF	2" Schedule 40, Threaded And Coupled, Black Steel Pipe	26.83	7.54
		For Schedule 80 Pipe, Add	*8.10*	
		For Work In Restricted Working Space, Add	*3.40*	
23 21 13 23-0023	LF	2-1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe	37.94	8.94
		For Schedule 80 Pipe, Add	*12.36*	
		For Work In Restricted Working Space, Add	*4.04*	
23 21 13 23-0024	LF	3" Schedule 40, Threaded And Coupled, Black Steel Pipe	50.02	11.97
		For Schedule 80 Pipe, Add	*16.22*	
		For Work In Restricted Working Space, Add	*5.39*	
23 21 13 23-0025	LF	4" Schedule 40, Threaded And Coupled, Black Steel Pipe	69.00	14.04
		For Schedule 80 Pipe, Add	*23.66*	
		For Work In Restricted Working Space, Add	*6.33*	
23 21 13 23-0026	LF	5" Schedule 40, Threaded And Coupled, Black Steel Pipe	90.51	17.94
		For Schedule 80 Pipe, Add	*31.33*	
		For Work In Restricted Working Space, Add	*8.06*	
23 21 13 23-0027	LF	6" Schedule 40, Threaded And Coupled, Black Steel Pipe	115.71	21.22
		For Schedule 80 Pipe, Add	*40.95*	
		For Work In Restricted Working Space, Add	*9.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0028	LF	8" Schedule 40, Threaded And Coupled, Black Steel Pipe	162.88	25.65
		For Schedule 80 Pipe, Add	*59.86*	
		For Work In Restricted Working Space, Add	*11.52*	
23 21 13 23-0029	LF	10" Schedule 40, Threaded And Coupled, Black Steel Pipe	223.11	31.25
		For Schedule 80 Pipe, Add	*83.98*	
		For Work In Restricted Working Space, Add	*14.07*	
23 21 13 23-0030	LF	12" Schedule 40, Threaded And Coupled, Black Steel Pipe	298.48	41.07
		For Schedule 80 Pipe, Add	*112.76*	
		For Work In Restricted Working Space, Add	*18.47*	

23 21 13 23-0031 Black Malleable Iron 90 Degree Elbows *(23 21 13 23-0014)*

23 21 13 23-0032	EA	3/8", 150 Lb., Black Malleable Iron 90 Degree Elbow	28.29	15.96
		For 300 Lb. Rating, Add	*11.85*	
		For Standard Weight Cast Iron Fittings, Add	*0.07*	
		For Work In Restricted Working Space, Add	*7.19*	
23 21 13 23-0033	EA	1/2", 150 Lb., Black Malleable Iron 90 Degree Elbow	31.76	19.19
		For 300 Lb. Rating, Add	*8.95*	
		For Standard Weight Cast Iron Fittings, Add	*0.05*	
		For Work In Restricted Working Space, Add	*8.63*	
23 21 13 23-0034	EA	3/4", 150 Lb., Black Malleable Iron 90 Degree Elbow	35.80	21.46
		For 300 Lb. Rating, Add	*10.64*	
		For Standard Weight Cast Iron Fittings, Add	*0.06*	
		For Work In Restricted Working Space, Add	*9.65*	
23 21 13 23-0035	EA	1", 150 Lb., Black Malleable Iron 90 Degree Elbow	42.23	23.93
		For 300 Lb. Rating, Add	*17.28*	
		For Standard Weight Cast Iron Fittings, Add	*0.10*	
		For Work In Restricted Working Space, Add	*10.78*	
23 21 13 23-0036	EA	1-1/4", 150 Lb., Black Malleable Iron 90 Degree Elbow	51.07	27.17
		For 300 Lb. Rating, Add	*27.40*	
		For Standard Weight Cast Iron Fittings, Add	*0.17*	
		For Work In Restricted Working Space, Add	*12.20*	
23 21 13 23-0037	EA	1-1/2", 150 Lb., Black Malleable Iron 90 Degree Elbow	59.55	30.61
		For 300 Lb. Rating, Add	*35.58*	
		For Standard Weight Cast Iron Fittings, Add	*0.22*	
		For Work In Restricted Working Space, Add	*13.76*	
23 21 13 23-0038	EA	2", 150 Lb., Black Malleable Iron 90 Degree Elbow	81.85	38.91
		For 300 Lb. Rating, Add	*60.11*	
		For Standard Weight Cast Iron Fittings, Add	*0.38*	
		For Work In Restricted Working Space, Add	*17.48*	
23 21 13 23-0039	EA	2-1/2", 150 Lb., Black Malleable Iron 90 Degree Elbow	138.77	57.56
		For 300 Lb. Rating, Add	*131.27*	
		For Standard Weight Cast Iron Fittings, Add	*0.84*	
		For Work In Restricted Working Space, Add	*25.87*	
23 21 13 23-0040	EA	3", 150 Lb., Black Malleable Iron 90 Degree Elbow	190.35	75.67
		For 300 Lb. Rating, Add	*191.34*	
		For Standard Weight Cast Iron Fittings, Add	*1.23*	
		For Work In Restricted Working Space, Add	*34.04*	
23 21 13 23-0041	EA	4", 150 Lb., Black Malleable Iron 90 Degree Elbow	288.30	82.12
		For 300 Lb. Rating, Add	*403.75*	
		For Standard Weight Cast Iron Fittings, Add	*2.64*	
		For Work In Restricted Working Space, Add	*36.95*	
23 21 13 23-0042	EA	5", 150 Lb., Black Malleable Iron 90 Degree Elbow	611.08	85.71
		For 300 Lb. Rating, Add	*1,165.90*	
		For Standard Weight Cast Iron Fittings, Add	*7.72*	
		For Work In Restricted Working Space, Add	*38.55*	
23 21 13 23-0043	EA	6", 150 Lb., Black Malleable Iron 90 Degree Elbow	691.80	89.62
		For 300 Lb. Rating, Add	*1,345.94*	
		For Standard Weight Cast Iron Fittings, Add	*8.92*	
		For Work In Restricted Working Space, Add	*40.31*	

23 21 13 23-0044 Black Malleable Iron Reducing 90 Degree Elbows *(23 21 13 23-0014)*

23 21 13 23-0045	EA	1/2" x 3/8", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	32.07	17.57
		For 300 Lb. Rating, Add	*15.33*	
		For Standard Weight Cast Iron Fittings, Add	*0.09*	
		For Work In Restricted Working Space, Add	*7.90*	
23 21 13 23-0046	EA	3/4" x 1/2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	36.36	20.27
		For 300 Lb. Rating, Add	*15.99*	
		For Standard Weight Cast Iron Fittings, Add	*0.09*	
		For Work In Restricted Working Space, Add	*9.14*	
23 21 13 23-0047	EA	3/4" x 3/8", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	36.31	18.76
		For 300 Lb. Rating, Add	*21.46*	
		For Standard Weight Cast Iron Fittings, Add	*0.13*	
		For Work In Restricted Working Space, Add	*8.42*	
23 21 13 23-0048	EA	1" x 3/4", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	41.63	22.74
		For 300 Lb. Rating, Add	*20.24*	
		For Standard Weight Cast Iron Fittings, Add	*0.12*	
		For Work In Restricted Working Space, Add	*10.22*	
23 21 13 23-0049	EA	1" x 1/2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	40.50	21.56
		For 300 Lb. Rating, Add	*21.55*	
		For Standard Weight Cast Iron Fittings, Add	*0.13*	
		For Work In Restricted Working Space, Add	*9.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0050	EA	1" x 3/8", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	46.04	19.94
		For 300 Lb. Rating, Add	*40.41*	
		For Standard Weight Cast Iron Fittings, Add	*0.26*	
		For Work In Restricted Working Space, Add	*8.99*	
23 21 13 23-0051	EA	1-1/4" x 1", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	51.03	25.54
		For 300 Lb. Rating, Add	*32.85*	
		For Standard Weight Cast Iron Fittings, Add	*0.20*	
		For Work In Restricted Working Space, Add	*11.49*	
23 21 13 23-0052	EA	1-1/4" x 3/4", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	50.63	24.26
		For 300 Lb. Rating, Add	*36.29*	
		For Standard Weight Cast Iron Fittings, Add	*0.23*	
		For Work In Restricted Working Space, Add	*10.93*	
23 21 13 23-0053	EA	1-1/4" x 1/2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	51.31	23.18
		For 300 Lb. Rating, Add	*41.92*	
		For Standard Weight Cast Iron Fittings, Add	*0.27*	
		For Work In Restricted Working Space, Add	*10.41*	
23 21 13 23-0054	EA	1-1/2" x 1-1/4", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	61.22	28.89
		For 300 Lb. Rating, Add	*45.70*	
		For Standard Weight Cast Iron Fittings, Add	*0.29*	
		For Work In Restricted Working Space, Add	*12.98*	
23 21 13 23-0055	EA	1-1/2" x 1", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	58.86	27.27
		For 300 Lb. Rating, Add	*45.56*	
		For Standard Weight Cast Iron Fittings, Add	*0.29*	
		For Work In Restricted Working Space, Add	*12.27*	
23 21 13 23-0056	EA	1-1/2" x 3/4", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	59.57	25.98
		For 300 Lb. Rating, Add	*51.66*	
		For Standard Weight Cast Iron Fittings, Add	*0.33*	
		For Work In Restricted Working Space, Add	*11.71*	
23 21 13 23-0057	EA	2" x 1-1/2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	78.09	34.71
		For 300 Lb. Rating, Add	*65.57*	
		For Standard Weight Cast Iron Fittings, Add	*0.42*	
		For Work In Restricted Working Space, Add	*15.62*	
23 21 13 23-0058	EA	2" x 1-1/4", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	79.04	32.99
		For 300 Lb. Rating, Add	*73.94*	
		For Standard Weight Cast Iron Fittings, Add	*0.47*	
		For Work In Restricted Working Space, Add	*14.84*	
23 21 13 23-0059	EA	2" x 1", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	76.66	31.37
		For 300 Lb. Rating, Add	*73.79*	
		For Standard Weight Cast Iron Fittings, Add	*0.47*	
		For Work In Restricted Working Space, Add	*14.13*	
23 21 13 23-0060	EA	2" x 3/4", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	76.58	30.18
		For 300 Lb. Rating, Add	*77.98*	
		For Standard Weight Cast Iron Fittings, Add	*0.50*	
		For Work In Restricted Working Space, Add	*13.57*	
23 21 13 23-0061	EA	2-1/2" x 2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	143.67	48.18
		For 300 Lb. Rating, Add	*175.74*	
		For Standard Weight Cast Iron Fittings, Add	*1.14*	
		For Work In Restricted Working Space, Add	*21.68*	
23 21 13 23-0062	EA	2-1/2" x 1-1/2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	141.68	44.09
		For 300 Lb. Rating, Add	*185.45*	
		For Standard Weight Cast Iron Fittings, Add	*1.21*	
		For Work In Restricted Working Space, Add	*19.82*	
23 21 13 23-0063	EA	3" x 2-1/2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	233.50	66.61
		For 300 Lb. Rating, Add	*326.77*	
		For Standard Weight Cast Iron Fittings, Add	*2.14*	
		For Work In Restricted Working Space, Add	*29.95*	
23 21 13 23-0064	EA	3" x 2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	201.32	57.23
		For 300 Lb. Rating, Add	*282.26*	
		For Standard Weight Cast Iron Fittings, Add	*1.85*	
		For Work In Restricted Working Space, Add	*25.76*	
23 21 13 23-0065	EA	4" x 3", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	345.56	78.11
		For 300 Lb. Rating, Add	*555.24*	
		For Standard Weight Cast Iron Fittings, Add	*3.65*	
		For Work In Restricted Working Space, Add	*35.14*	
23 21 13 23-0066		Black Malleable Iron 45 Degree Elbows *(23 21 13 23-0014)*		
23 21 13 23-0067	EA	3/8", 150 Lb., Black Malleable Iron 45 Degree Elbow	30.49	15.96
		For 300 Lb. Rating, Add	*17.13*	
		For Standard Weight Cast Iron Fittings, Add	*0.10*	
		For Work In Restricted Working Space, Add	*7.19*	
23 21 13 23-0068	EA	1/2", 150 Lb., Black Malleable Iron 45 Degree Elbow	33.72	19.19
		For 300 Lb. Rating, Add	*13.65*	
		For Standard Weight Cast Iron Fittings, Add	*0.08*	
		For Work In Restricted Working Space, Add	*8.63*	
23 21 13 23-0069	EA	3/4", 150 Lb., Black Malleable Iron 45 Degree Elbow	38.31	21.46
		For 300 Lb. Rating, Add	*16.67*	
		For Standard Weight Cast Iron Fittings, Add	*0.10*	
		For Work In Restricted Working Space, Add	*9.65*	
23 21 13 23-0070	EA	1", 150 Lb., Black Malleable Iron 45 Degree Elbow	43.66	23.93
		For 300 Lb. Rating, Add	*20.71*	
		For Standard Weight Cast Iron Fittings, Add	*0.12*	
		For Work In Restricted Working Space, Add	*10.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0071	EA	1-1/4", 150 Lb., Black Malleable Iron 45 Degree Elbow	54.36	27.17
		For 300 Lb. Rating, Add	*35.30*	
		For Standard Weight Cast Iron Fittings, Add	*0.22*	
		For Work In Restricted Working Space, Add	*12.20*	
23 21 13 23-0072	EA	1-1/2", 150 Lb., Black Malleable Iron 45 Degree Elbow	62.81	30.61
		For 300 Lb. Rating, Add	*43.41*	
		For Standard Weight Cast Iron Fittings, Add	*0.27*	
		For Work In Restricted Working Space, Add	*13.76*	
23 21 13 23-0073	EA	2", 150 Lb., Black Malleable Iron 45 Degree Elbow	83.87	38.91
		For 300 Lb. Rating, Add	*64.96*	
		For Standard Weight Cast Iron Fittings, Add	*0.41*	
		For Work In Restricted Working Space, Add	*17.48*	
23 21 13 23-0074	EA	2-1/2", 150 Lb., Black Malleable Iron 45 Degree Elbow	160.32	57.56
		For 300 Lb. Rating, Add	*182.99*	
		For Standard Weight Cast Iron Fittings, Add	*1.19*	
		For Work In Restricted Working Space, Add	*25.87*	
23 21 13 23-0075	EA	3", 150 Lb., Black Malleable Iron 45 Degree Elbow	209.69	75.67
		For 300 Lb. Rating, Add	*237.76*	
		For Standard Weight Cast Iron Fittings, Add	*1.54*	
		For Work In Restricted Working Space, Add	*34.04*	
23 21 13 23-0076	EA	4", 150 Lb., Black Malleable Iron 45 Degree Elbow	311.86	82.12
		For 300 Lb. Rating, Add	*460.29*	
		For Standard Weight Cast Iron Fittings, Add	*3.02*	
		For Work In Restricted Working Space, Add	*36.95*	
23 21 13 23-0077	EA	5", 150 Lb., Black Malleable Iron 45 Degree Elbow	873.93	85.71
		For 300 Lb. Rating, Add	*1,796.74*	
		For Standard Weight Cast Iron Fittings, Add	*11.93*	
		For Work In Restricted Working Space, Add	*38.55*	
23 21 13 23-0078	EA	6", 150 Lb., Black Malleable Iron 45 Degree Elbow	897.00	89.62
		For 300 Lb. Rating, Add	*1,838.42*	
		For Standard Weight Cast Iron Fittings, Add	*12.20*	
		For Work In Restricted Working Space, Add	*40.31*	

23 21 13 23-0079 Black Malleable Iron Tees *(23 21 13 23-0014)*

23 21 13 23-0080	EA	3/8", 150 Lb., Black Malleable Iron Tee	36.25	19.72
		For 300 Lb. Rating, Add	*16.92*	
		For Standard Weight Cast Iron Fittings, Add	*0.10*	
		For Work In Restricted Working Space, Add	*8.99*	
23 21 13 23-0081	EA	1/2", 150 Lb., Black Malleable Iron Tee	39.96	23.93
		For 300 Lb. Rating, Add	*11.83*	
		For Standard Weight Cast Iron Fittings, Add	*0.06*	
		For Work In Restricted Working Space, Add	*10.78*	
23 21 13 23-0082	EA	3/4", 150 Lb., Black Malleable Iron Tee	47.23	27.70
		For 300 Lb. Rating, Add	*16.34*	
		For Standard Weight Cast Iron Fittings, Add	*0.09*	
		For Work In Restricted Working Space, Add	*12.44*	
23 21 13 23-0083	EA	1", 150 Lb., Black Malleable Iron Tee	58.88	32.66
		For 300 Lb. Rating, Add	*26.68*	
		For Standard Weight Cast Iron Fittings, Add	*0.16*	
		For Work In Restricted Working Space, Add	*14.70*	
23 21 13 23-0084	EA	1-1/4", 150 Lb., Black Malleable Iron Tee	74.27	38.91
		For 300 Lb. Rating, Add	*41.92*	
		For Standard Weight Cast Iron Fittings, Add	*0.26*	
		For Work In Restricted Working Space, Add	*17.48*	
23 21 13 23-0085	EA	1-1/2", 150 Lb., Black Malleable Iron Tee	89.45	46.35
		For 300 Lb. Rating, Add	*51.96*	
		For Standard Weight Cast Iron Fittings, Add	*0.32*	
		For Work In Restricted Working Space, Add	*20.86*	
23 21 13 23-0086	EA	2", 150 Lb., Black Malleable Iron Tee	120.17	57.56
		For 300 Lb. Rating, Add	*86.63*	
		For Standard Weight Cast Iron Fittings, Add	*0.54*	
		For Work In Restricted Working Space, Add	*25.87*	
23 21 13 23-0087	EA	2-1/2", 150 Lb., Black Malleable Iron Tee	186.62	75.67
		For 300 Lb. Rating, Add	*182.39*	
		For Standard Weight Cast Iron Fittings, Add	*1.17*	
		For Work In Restricted Working Space, Add	*34.04*	
23 21 13 23-0088	EA	3", 150 Lb., Black Malleable Iron Tee	242.51	89.90
		For 300 Lb. Rating, Add	*266.73*	
		For Standard Weight Cast Iron Fittings, Add	*1.72*	
		For Work In Restricted Working Space, Add	*40.42*	
23 21 13 23-0089	EA	4", 150 Lb., Black Malleable Iron Tee	416.04	103.77
		For 300 Lb. Rating, Add	*634.49*	
		For Standard Weight Cast Iron Fittings, Add	*4.17*	
		For Work In Restricted Working Space, Add	*46.67*	
23 21 13 23-0090	EA	5", 150 Lb., Black Malleable Iron Tee	974.07	123.19
		For 300 Lb. Rating, Add	*1,905.50*	
		For Standard Weight Cast Iron Fittings, Add	*12.63*	
		For Work In Restricted Working Space, Add	*55.42*	
23 21 13 23-0091	EA	6", 150 Lb., Black Malleable Iron Tee	1,058.23	140.82
		For 300 Lb. Rating, Add	*2,045.73*	
		For Standard Weight Cast Iron Fittings, Add	*13.55*	
		For Work In Restricted Working Space, Add	*63.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 21 13 23-0092 Black Malleable Iron Reducing Tees *(23 21 13 23-0014)*

23 21 13 23-0093	EA	1/2", 150 Lb., Black Malleable Iron Reducing Tee	42.77	23.93
		For 300 Lb. Rating, Add	*18.57*	
		For Standard Weight Cast Iron Fittings, Add	*0.11*	
		For Work In Restricted Working Space, Add	*10.78*	
23 21 13 23-0094	EA	3/4", 150 Lb., Black Malleable Iron Reducing Tee	50.39	27.70
		For 300 Lb. Rating, Add	*23.92*	
		For Standard Weight Cast Iron Fittings, Add	*0.14*	
		For Work In Restricted Working Space, Add	*12.44*	
23 21 13 23-0095	EA	1", 150 Lb., Black Malleable Iron Reducing Tee	60.25	32.66
		For 300 Lb. Rating, Add	*29.96*	
		For Standard Weight Cast Iron Fittings, Add	*0.18*	
		For Work In Restricted Working Space, Add	*14.70*	
23 21 13 23-0096	EA	1-1/4", 150 Lb., Black Malleable Iron Reducing Tee	80.40	38.91
		For 300 Lb. Rating, Add	*56.63*	
		For Standard Weight Cast Iron Fittings, Add	*0.35*	
		For Work In Restricted Working Space, Add	*17.48*	
23 21 13 23-0097	EA	1-1/2", 150 Lb., Black Malleable Iron Reducing Tee	94.07	46.35
		For 300 Lb. Rating, Add	*63.04*	
		For Standard Weight Cast Iron Fittings, Add	*0.39*	
		For Work In Restricted Working Space, Add	*20.86*	
23 21 13 23-0098	EA	2", 150 Lb., Black Malleable Iron Reducing Tee	121.85	57.56
		For 300 Lb. Rating, Add	*90.66*	
		For Standard Weight Cast Iron Fittings, Add	*0.57*	
		For Work In Restricted Working Space, Add	*25.87*	
23 21 13 23-0099	EA	2-1/2", 150 Lb., Black Malleable Iron Reducing Tee	224.44	75.67
		For 300 Lb. Rating, Add	*273.16*	
		For Standard Weight Cast Iron Fittings, Add	*1.78*	
		For Work In Restricted Working Space, Add	*34.04*	
23 21 13 23-0100	EA	3", 150 Lb., Black Malleable Iron Reducing Tee	261.86	89.90
		For 300 Lb. Rating, Add	*313.17*	
		For Standard Weight Cast Iron Fittings, Add	*2.03*	
		For Work In Restricted Working Space, Add	*40.42*	
23 21 13 23-0101	EA	4", 150 Lb., Black Malleable Iron Reducing Tee	463.85	103.77
		For 300 Lb. Rating, Add	*749.23*	
		For Standard Weight Cast Iron Fittings, Add	*4.93*	
		For Work In Restricted Working Space, Add	*46.67*	
23 21 13 23-0102	EA	5", 150 Lb., Black Malleable Iron Reducing Tee	899.79	123.19
		For 300 Lb. Rating, Add	*1,727.23*	
		For Standard Weight Cast Iron Fittings, Add	*11.44*	
		For Work In Restricted Working Space, Add	*55.42*	
23 21 13 23-0103	EA	6", 150 Lb., Black Malleable Iron Reducing Tee	1,022.17	140.82
		For 300 Lb. Rating, Add	*1,959.19*	
		For Standard Weight Cast Iron Fittings, Add	*12.98*	
		For Work In Restricted Working Space, Add	*63.34*	

23 21 13 23-0104 Black Malleable Iron Couplings *(23 21 13 23-0014)*

23 21 13 23-0105	EA	3/8", 150 Lb., Black Malleable Iron Coupling	29.35	15.96
		For 300 Lb. Rating, Add	*14.40*	
		For Standard Weight Cast Iron Fittings, Add	*0.09*	
		For Work In Restricted Working Space, Add	*7.19*	
23 21 13 23-0106	EA	1/2", 150 Lb., Black Malleable Iron Coupling	32.91	19.19
		For 300 Lb. Rating, Add	*11.71*	
		For Standard Weight Cast Iron Fittings, Add	*0.07*	
		For Work In Restricted Working Space, Add	*8.63*	
23 21 13 23-0107	EA	3/4", 150 Lb., Black Malleable Iron Coupling	37.04	21.46
		For 300 Lb. Rating, Add	*13.62*	
		For Standard Weight Cast Iron Fittings, Add	*0.08*	
		For Work In Restricted Working Space, Add	*9.65*	
23 21 13 23-0108	EA	1", 150 Lb., Black Malleable Iron Coupling	43.23	23.93
		For 300 Lb. Rating, Add	*19.68*	
		For Standard Weight Cast Iron Fittings, Add	*0.12*	
		For Work In Restricted Working Space, Add	*10.78*	
23 21 13 23-0109	EA	1-1/4", 150 Lb., Black Malleable Iron Coupling	50.12	27.17
		For 300 Lb. Rating, Add	*25.12*	
		For Standard Weight Cast Iron Fittings, Add	*0.15*	
		For Work In Restricted Working Space, Add	*12.20*	
23 21 13 23-0110	EA	1-1/2", 150 Lb., Black Malleable Iron Coupling	58.63	30.61
		For 300 Lb. Rating, Add	*33.38*	
		For Standard Weight Cast Iron Fittings, Add	*0.20*	
		For Work In Restricted Working Space, Add	*13.76*	
23 21 13 23-0111	EA	2", 150 Lb., Black Malleable Iron Coupling	77.18	38.91
		For 300 Lb. Rating, Add	*48.90*	
		For Standard Weight Cast Iron Fittings, Add	*0.30*	
		For Work In Restricted Working Space, Add	*17.48*	
23 21 13 23-0112	EA	2-1/2", 150 Lb., Black Malleable Iron Coupling	138.43	57.56
		For 300 Lb. Rating, Add	*130.45*	
		For Standard Weight Cast Iron Fittings, Add	*0.84*	
		For Work In Restricted Working Space, Add	*25.87*	
23 21 13 23-0113	EA	3", 150 Lb., Black Malleable Iron Coupling	184.04	75.67
		For 300 Lb. Rating, Add	*176.20*	
		For Standard Weight Cast Iron Fittings, Add	*1.13*	
		For Work In Restricted Working Space, Add	*34.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0114	EA	4", 150 Lb., Black Malleable Iron Coupling	265.30	82.12
		For 300 Lb. Rating, Add	*348.55*	
		For Standard Weight Cast Iron Fittings, Add	*2.27*	
		For Work In Restricted Working Space, Add	*36.95*	
23 21 13 23-0115	EA	5", 150 Lb., Black Malleable Iron Coupling	528.76	85.71
		For 300 Lb. Rating, Add	*968.33*	
		For Standard Weight Cast Iron Fittings, Add	*6.40*	
		For Work In Restricted Working Space, Add	*38.55*	
23 21 13 23-0116	EA	6", 150 Lb., Black Malleable Iron Coupling	590.34	89.62
		For 300 Lb. Rating, Add	*1,102.44*	
		For Standard Weight Cast Iron Fittings, Add	*7.30*	
		For Work In Restricted Working Space, Add	*40.31*	

23 21 13 23-0117 Black Malleable Iron Reducing Couplings *(23 21 13 23-0014)*

23 21 13 23-0118	EA	1/2", 150 Lb., Black Malleable Iron Reducing Coupling	33.91	19.19
		For 300 Lb. Rating, Add	*14.11*	
		For Standard Weight Cast Iron Fittings, Add	*0.08*	
		For Work In Restricted Working Space, Add	*8.63*	
23 21 13 23-0119	EA	3/4", 150 Lb., Black Malleable Iron Reducing Coupling	37.64	21.46
		For 300 Lb. Rating, Add	*15.06*	
		For Standard Weight Cast Iron Fittings, Add	*0.09*	
		For Work In Restricted Working Space, Add	*9.65*	
23 21 13 23-0120	EA	1", 150 Lb., Black Malleable Iron Reducing Coupling	44.44	23.93
		For 300 Lb. Rating, Add	*22.58*	
		For Standard Weight Cast Iron Fittings, Add	*0.14*	
		For Work In Restricted Working Space, Add	*10.78*	
23 21 13 23-0121	EA	1-1/4", 150 Lb., Black Malleable Iron Reducing Coupling	51.62	27.17
		For 300 Lb. Rating, Add	*28.72*	
		For Standard Weight Cast Iron Fittings, Add	*0.18*	
		For Work In Restricted Working Space, Add	*12.20*	
23 21 13 23-0122	EA	1-1/2", 150 Lb., Black Malleable Iron Reducing Coupling	59.70	30.61
		For 300 Lb. Rating, Add	*35.94*	
		For Standard Weight Cast Iron Fittings, Add	*0.22*	
		For Work In Restricted Working Space, Add	*13.76*	
23 21 13 23-0123	EA	2", 150 Lb., Black Malleable Iron Reducing Coupling	78.31	38.91
		For 300 Lb. Rating, Add	*51.62*	
		For Standard Weight Cast Iron Fittings, Add	*0.32*	
		For Work In Restricted Working Space, Add	*17.48*	
23 21 13 23-0124	EA	2-1/2", 150 Lb., Black Malleable Iron Reducing Coupling	145.48	57.56
		For 300 Lb. Rating, Add	*147.37*	
		For Standard Weight Cast Iron Fittings, Add	*0.95*	
		For Work In Restricted Working Space, Add	*25.87*	
23 21 13 23-0125	EA	3", 150 Lb., Black Malleable Iron Reducing Coupling	185.49	75.67
		For 300 Lb. Rating, Add	*179.68*	
		For Standard Weight Cast Iron Fittings, Add	*1.15*	
		For Work In Restricted Working Space, Add	*34.04*	
23 21 13 23-0126	EA	4", 150 Lb., Black Malleable Iron Reducing Coupling	267.52	82.12
		For 300 Lb. Rating, Add	*353.88*	
		For Standard Weight Cast Iron Fittings, Add	*2.31*	
		For Work In Restricted Working Space, Add	*36.95*	
23 21 13 23-0127	EA	5", 150 Lb., Black Malleable Iron Reducing Coupling	452.99	85.71
		For 300 Lb. Rating, Add	*786.49*	
		For Standard Weight Cast Iron Fittings, Add	*5.19*	
		For Work In Restricted Working Space, Add	*38.55*	
23 21 13 23-0128	EA	6", 150 Lb., Black Malleable Iron Reducing Coupling	551.13	89.62
		For 300 Lb. Rating, Add	*1,008.33*	
		For Standard Weight Cast Iron Fittings, Add	*6.67*	
		For Work In Restricted Working Space, Add	*40.31*	

23 21 13 23-0129 Black Malleable Iron Caps *(23 21 13 23-0014)*

23 21 13 23-0130	EA	1/2", 150 Lb., Black Malleable Iron Cap	15.97	8.51
		For 300 Lb. Rating, Add	*8.07*	
		For Standard Weight Cast Iron Fittings, Add	*0.05*	
		For Work In Restricted Working Space, Add	*3.88*	
23 21 13 23-0131	EA	3/4", 150 Lb., Black Malleable Iron Cap	18.59	9.59
		For 300 Lb. Rating, Add	*10.76*	
		For Standard Weight Cast Iron Fittings, Add	*0.07*	
		For Work In Restricted Working Space, Add	*4.34*	
23 21 13 23-0132	EA	1", 150 Lb., Black Malleable Iron Cap	21.15	10.67
		For 300 Lb. Rating, Add	*12.92*	
		For Standard Weight Cast Iron Fittings, Add	*0.08*	
		For Work In Restricted Working Space, Add	*4.85*	
23 21 13 23-0133	EA	1-1/4", 150 Lb., Black Malleable Iron Cap	24.86	12.08
		For 300 Lb. Rating, Add	*16.84*	
		For Standard Weight Cast Iron Fittings, Add	*0.10*	
		For Work In Restricted Working Space, Add	*5.49*	
23 21 13 23-0134	EA	1-1/2", 150 Lb., Black Malleable Iron Cap	29.66	13.58
		For 300 Lb. Rating, Add	*22.89*	
		For Standard Weight Cast Iron Fittings, Add	*0.14*	
		For Work In Restricted Working Space, Add	*6.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0135	EA	2", 150 Lb., Black Malleable Iron Cap	39.38	17.36
		For 300 Lb. Rating, Add	*33.18*	
		For Standard Weight Cast Iron Fittings, Add	*0.21*	
		For Work In Restricted Working Space, Add	*7.86*	
23 21 13 23-0136	EA	2-1/2", 150 Lb., Black Malleable Iron Cap	69.02	25.66
		For 300 Lb. Rating, Add	*74.86*	
		For Standard Weight Cast Iron Fittings, Add	*0.48*	
		For Work In Restricted Working Space, Add	*11.64*	
23 21 13 23-0137	EA	3", 150 Lb., Black Malleable Iron Cap	95.62	33.73
		For 300 Lb. Rating, Add	*110.01*	
		For Standard Weight Cast Iron Fittings, Add	*0.71*	
		For Work In Restricted Working Space, Add	*15.32*	
23 21 13 23-0138	EA	4", 150 Lb., Black Malleable Iron Cap	131.83	36.63
		For 300 Lb. Rating, Add	*186.71*	
		For Standard Weight Cast Iron Fittings, Add	*1.22*	
		For Work In Restricted Working Space, Add	*16.63*	
23 21 13 23-0139	EA	5", 150 Lb., Black Malleable Iron Cap	239.95	38.21
		For 300 Lb. Rating, Add	*440.56*	
		For Standard Weight Cast Iron Fittings, Add	*2.91*	
		For Work In Restricted Working Space, Add	*17.35*	
23 21 13 23-0140	EA	6", 150 Lb., Black Malleable Iron Cap	394.29	39.90
		For 300 Lb. Rating, Add	*804.84*	
		For Standard Weight Cast Iron Fittings, Add	*5.34*	
		For Work In Restricted Working Space, Add	*18.14*	

23 21 13 23-0141 Black Malleable Iron Unions *(23 21 13 23-0014)*

23 21 13 23-0142	EA	3/8", 150 Lb., Black Malleable Iron Union	38.54	15.96
		For Work In Restricted Working Space, Add	*7.19*	
23 21 13 23-0143	EA	1/2", 150 Lb., Black Malleable Iron Union	49.13	23.93
		For Work In Restricted Working Space, Add	*10.78*	
23 21 13 23-0144	EA	3/4", 150 Lb., Black Malleable Iron Union	56.64	27.70
		For Work In Restricted Working Space, Add	*12.44*	
23 21 13 23-0145	EA	1", 150 Lb., Black Malleable Iron Union	68.78	32.66
		For Work In Restricted Working Space, Add	*14.70*	
23 21 13 23-0146	EA	1-1/4", 150 Lb., Black Malleable Iron Union	86.64	38.91
		For Work In Restricted Working Space, Add	*17.48*	
23 21 13 23-0147	EA	1-1/2", 150 Lb., Black Malleable Iron Union	104.92	46.35
		For Work In Restricted Working Space, Add	*20.86*	
23 21 13 23-0148	EA	2", 150 Lb., Black Malleable Iron Union	127.37	57.56
		For Work In Restricted Working Space, Add	*25.87*	
23 21 13 23-0149	EA	2-1/2", 150 Lb., Black Malleable Iron Union	249.86	84.83
		For Work In Restricted Working Space, Add	*38.19*	
23 21 13 23-0150	EA	3", 150 Lb., Black Malleable Iron Union	315.05	111.57
		For Work In Restricted Working Space, Add	*50.25*	
23 21 13 23-0151	EA	3/8", 250 Lb., Black Malleable Iron Union	43.23	15.96
		For Work In Restricted Working Space, Add	*7.19*	
23 21 13 23-0152	EA	1/2", 250 Lb., Black Malleable Iron Union	58.05	23.93
		For Work In Restricted Working Space, Add	*10.78*	
23 21 13 23-0153	EA	3/4", 250 Lb., Black Malleable Iron Union	63.22	27.70
		For Work In Restricted Working Space, Add	*12.44*	
23 21 13 23-0154	EA	1", 250 Lb., Black Malleable Iron Union	75.69	32.66
		For Work In Restricted Working Space, Add	*14.70*	
23 21 13 23-0155	EA	1-1/4", 250 Lb., Black Malleable Iron Union	103.06	38.91
		For Work In Restricted Working Space, Add	*17.48*	
23 21 13 23-0156	EA	1-1/2", 250 Lb., Black Malleable Iron Union	121.11	46.35
		For Work In Restricted Working Space, Add	*20.86*	
23 21 13 23-0157	EA	2", 250 Lb., Black Malleable Iron Union	152.39	57.56
		For Work In Restricted Working Space, Add	*25.87*	
23 21 13 23-0158	EA	2-1/2", 250 Lb., Black Malleable Iron Union	334.68	84.83
		For Work In Restricted Working Space, Add	*38.19*	
23 21 13 23-0159	EA	3", 250 Lb., Black Malleable Iron Union	410.20	111.57
		For Work In Restricted Working Space, Add	*50.25*	
23 21 13 23-0160	EA	4", 250 Lb., Black Malleable Iron Union	612.01	121.18
		For Work In Restricted Working Space, Add	*54.54*	
23 21 13 23-0161	EA	3/8", 300 Lb., Black Malleable Iron Union	55.24	15.96
		For Work In Restricted Working Space, Add	*7.19*	
23 21 13 23-0162	EA	1/2", 300 Lb., Black Malleable Iron Union	61.24	23.93
		For Work In Restricted Working Space, Add	*10.78*	
23 21 13 23-0163	EA	3/4", 300 Lb., Black Malleable Iron Union	69.49	27.70
		For Work In Restricted Working Space, Add	*12.44*	
23 21 13 23-0164	EA	1", 300 Lb., Black Malleable Iron Union	85.59	32.66
		For Work In Restricted Working Space, Add	*14.70*	
23 21 13 23-0165	EA	1-1/4", 300 Lb., Black Malleable Iron Union	117.95	38.91
		For Work In Restricted Working Space, Add	*17.48*	
23 21 13 23-0166	EA	1-1/2", 300 Lb., Black Malleable Iron Union	132.05	46.35
		For Work In Restricted Working Space, Add	*20.86*	
23 21 13 23-0167	EA	2", 300 Lb., Black Malleable Iron Union	163.66	57.56
		For Work In Restricted Working Space, Add	*25.87*	
23 21 13 23-0168	EA	2-1/2", 300 Lb., Black Malleable Iron Union	376.93	84.83
		For Work In Restricted Working Space, Add	*38.19*	
23 21 13 23-0169	EA	3", 300 Lb., Black Malleable Iron Union	490.43	111.57
		For Work In Restricted Working Space, Add	*50.25*	
23 21 13 23-0170	EA	4", 300 Lb., Black Malleable Iron Union	1,206.79	121.18
		For Work In Restricted Working Space, Add	*54.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0171		**Black Steel Nipples** *(23 21 13 23-0014)*		
23 21 13 23-0172	EA	3/8" x Close, Schedule 40 Black Steel Nipple	19.16	10.24
		For Schedule 80 Nipples, Add	*1.88*	
		For Work In Restricted Working Space, Add	*4.62*	
23 21 13 23-0173	EA	1/2" x Close, Schedule 40 Black Steel Nipple	18.57	10.24
		For Schedule 80 Nipples, Add	*1.59*	
		For Work In Restricted Working Space, Add	*4.62*	
23 21 13 23-0174	EA	3/4" x Close, Schedule 40 Black Steel Nipple	19.04	10.24
		For Schedule 80 Nipples, Add	*1.82*	
		For Work In Restricted Working Space, Add	*4.62*	
23 21 13 23-0175	EA	1" x Close, Schedule 40 Black Steel Nipple	21.87	11.10
		For Schedule 80 Nipples, Add	*2.65*	
		For Work In Restricted Working Space, Add	*4.97*	
23 21 13 23-0176	EA	1-1/4" x Close, Schedule 40 Black Steel Nipple	24.67	11.97
		For Schedule 80 Nipples, Add	*3.35*	
		For Work In Restricted Working Space, Add	*5.39*	
23 21 13 23-0177	EA	1-1/2" x Close, Schedule 40 Black Steel Nipple	26.32	11.97
		For Schedule 80 Nipples, Add	*4.18*	
		For Work In Restricted Working Space, Add	*5.39*	
23 21 13 23-0178	EA	2" x Close, Schedule 40 Black Steel Nipple	34.54	15.41
		For Schedule 80 Nipples, Add	*5.68*	
		For Work In Restricted Working Space, Add	*6.95*	
23 21 13 23-0179	EA	2-1/2" x Close, Schedule 40 Black Steel Nipple	64.33	19.19
		For Schedule 80 Nipples, Add	*17.79*	
		For Work In Restricted Working Space, Add	*8.63*	
23 21 13 23-0180	EA	3" x Close, Schedule 40 Black Steel Nipple	77.05	23.18
		For Schedule 80 Nipples, Add	*21.14*	
		For Work In Restricted Working Space, Add	*10.43*	
23 21 13 23-0181	EA	4" x Close, Schedule 40 Black Steel Nipple	105.90	28.18
		For Schedule 80 Nipples, Add	*31.84*	
		For Work In Restricted Working Space, Add	*12.67*	
23 21 13 23-0182	EA	3/8" x 1-1/2" Long, Schedule 40 Black Steel Nipple	19.67	10.24
		For Schedule 80 Nipples, Add	*2.14*	
		For Work In Restricted Working Space, Add	*4.62*	
23 21 13 23-0183	EA	1/2" x 1-1/2" Long, Schedule 40 Black Steel Nipple	18.57	10.24
		For Schedule 80 Nipples, Add	*1.59*	
		For Work In Restricted Working Space, Add	*4.62*	
23 21 13 23-0184	EA	3/4" x 1-1/2" Long, Schedule 40 Black Steel Nipple	19.32	10.24
		For Schedule 80 Nipples, Add	*1.96*	
		For Work In Restricted Working Space, Add	*4.62*	
23 21 13 23-0185	EA	3/8" x 2" Long, Schedule 40 Black Steel Nipple	19.67	10.24
		For Schedule 80 Nipples, Add	*2.14*	
		For Work In Restricted Working Space, Add	*4.62*	
23 21 13 23-0186	EA	1/2" x 2" Long, Schedule 40 Black Steel Nipple	18.57	10.24
		For Schedule 80 Nipples, Add	*1.59*	
		For Work In Restricted Working Space, Add	*4.62*	
23 21 13 23-0187	EA	3/4" x 2" Long, Schedule 40 Black Steel Nipple	19.32	10.24
		For Schedule 80 Nipples, Add	*1.96*	
		For Work In Restricted Working Space, Add	*4.62*	
23 21 13 23-0188	EA	1" x 2" Long, Schedule 40 Black Steel Nipple	22.38	11.10
		For Schedule 80 Nipples, Add	*2.90*	
		For Work In Restricted Working Space, Add	*4.97*	
23 21 13 23-0189	EA	1-1/4" x 2" Long, Schedule 40 Black Steel Nipple	25.57	11.97
		For Schedule 80 Nipples, Add	*3.80*	
		For Work In Restricted Working Space, Add	*5.39*	
23 21 13 23-0190	EA	1-1/2" x 2" Long, Schedule 40 Black Steel Nipple	26.98	11.97
		For Schedule 80 Nipples, Add	*4.51*	
		For Work In Restricted Working Space, Add	*5.39*	
23 21 13 23-0191	EA	3/8" x 2-1/2" Long, Schedule 40 Black Steel Nipple	20.89	10.24
		For Schedule 80 Nipples, Add	*2.75*	
		For Work In Restricted Working Space, Add	*4.62*	
23 21 13 23-0192	EA	1/2" x 2-1/2" Long, Schedule 40 Black Steel Nipple	19.16	10.24
		For Schedule 80 Nipples, Add	*1.88*	
		For Work In Restricted Working Space, Add	*4.62*	
23 21 13 23-0193	EA	3/4" x 2-1/2" Long, Schedule 40 Black Steel Nipple	19.83	10.24
		For Schedule 80 Nipples, Add	*2.22*	
		For Work In Restricted Working Space, Add	*4.62*	
23 21 13 23-0194	EA	1" x 2-1/2" Long, Schedule 40 Black Steel Nipple	22.73	11.10
		For Schedule 80 Nipples, Add	*3.08*	
		For Work In Restricted Working Space, Add	*4.97*	
23 21 13 23-0195	EA	1-1/4" x 2-1/2" Long, Schedule 40 Black Steel Nipple	26.04	11.97
		For Schedule 80 Nipples, Add	*4.04*	
		For Work In Restricted Working Space, Add	*5.39*	
23 21 13 23-0196	EA	1-1/2" x 2-1/2" Long, Schedule 40 Black Steel Nipple	28.04	11.97
		For Schedule 80 Nipples, Add	*5.04*	
		For Work In Restricted Working Space, Add	*5.39*	
23 21 13 23-0197	EA	2" x 2-1/2" Long, Schedule 40 Black Steel Nipple	36.23	15.41
		For Schedule 80 Nipples, Add	*6.53*	
		For Work In Restricted Working Space, Add	*6.95*	
23 21 13 23-0198	EA	3/8" x 3" Long, Schedule 40 Black Steel Nipple	20.89	10.24
		For Schedule 80 Nipples, Add	*2.75*	
		For Work In Restricted Working Space, Add	*4.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0199	EA	1/2" x 3" Long, Schedule 40 Black Steel Nipple	19.16	10.24
		For Schedule 80 Nipples, Add	*1.88*	
		For Work In Restricted Working Space, Add	*4.62*	
23 21 13 23-0200	EA	3/4" x 3" Long, Schedule 40 Black Steel Nipple	19.83	10.24
		For Schedule 80 Nipples, Add	*2.22*	
		For Work In Restricted Working Space, Add	*4.62*	
23 21 13 23-0201	EA	1" x 3" Long, Schedule 40 Black Steel Nipple	22.73	11.10
		For Schedule 80 Nipples, Add	*3.08*	
		For Work In Restricted Working Space, Add	*4.97*	
23 21 13 23-0202	EA	1-1/4" x 3" Long, Schedule 40 Black Steel Nipple	26.04	11.97
		For Schedule 80 Nipples, Add	*4.04*	
		For Work In Restricted Working Space, Add	*5.39*	
23 21 13 23-0203	EA	1-1/2" x 3" Long, Schedule 40 Black Steel Nipple	28.04	11.97
		For Schedule 80 Nipples, Add	*5.04*	
		For Work In Restricted Working Space, Add	*5.39*	
23 21 13 23-0204	EA	2" x 3" Long, Schedule 40 Black Steel Nipple	36.23	15.41
		For Schedule 80 Nipples, Add	*6.53*	
		For Work In Restricted Working Space, Add	*6.95*	
23 21 13 23-0205	EA	2-1/2" x 3" Long, Schedule 40 Black Steel Nipple	65.27	19.19
		For Schedule 80 Nipples, Add	*18.26*	
		For Work In Restricted Working Space, Add	*8.63*	
23 21 13 23-0206	EA	3" x 3" Long, Schedule 40 Black Steel Nipple	80.73	23.18
		For Schedule 80 Nipples, Add	*22.98*	
		For Work In Restricted Working Space, Add	*10.43*	
23 21 13 23-0207	EA	3/8" x 3-1/2" Long, Schedule 40 Black Steel Nipple	21.86	10.24
		For Schedule 80 Nipples, Add	*3.23*	
		For Work In Restricted Working Space, Add	*4.62*	
23 21 13 23-0208	EA	1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	19.91	10.24
		For Schedule 80 Nipples, Add	*2.26*	
		For Work In Restricted Working Space, Add	*4.62*	
23 21 13 23-0209	EA	3/4" x 3-1/2" Long, Schedule 40 Black Steel Nipple	20.89	10.24
		For Schedule 80 Nipples, Add	*2.75*	
		For Work In Restricted Working Space, Add	*4.62*	
23 21 13 23-0210	EA	1" x 3-1/2" Long, Schedule 40 Black Steel Nipple	24.18	11.10
		For Schedule 80 Nipples, Add	*3.80*	
		For Work In Restricted Working Space, Add	*4.97*	
23 21 13 23-0211	EA	1-1/4" x 3-1/2" Long, Schedule 40 Black Steel Nipple	27.53	11.97
		For Schedule 80 Nipples, Add	*4.78*	
		For Work In Restricted Working Space, Add	*5.39*	
23 21 13 23-0212	EA	1-1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	29.25	11.97
		For Schedule 80 Nipples, Add	*5.64*	
		For Work In Restricted Working Space, Add	*5.39*	
23 21 13 23-0213	EA	2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	38.97	15.41
		For Schedule 80 Nipples, Add	*7.90*	
		For Work In Restricted Working Space, Add	*6.95*	
23 21 13 23-0214	EA	2-1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	71.69	19.19
		For Schedule 80 Nipples, Add	*21.47*	
		For Work In Restricted Working Space, Add	*8.63*	
23 21 13 23-0215	EA	3" x 3-1/2" Long, Schedule 40 Black Steel Nipple	89.19	23.18
		For Schedule 80 Nipples, Add	*27.21*	
		For Work In Restricted Working Space, Add	*10.43*	
23 21 13 23-0216	EA	3/8" x 4" Long, Schedule 40 Black Steel Nipple	21.86	10.24
		For Schedule 80 Nipples, Add	*3.23*	
		For Work In Restricted Working Space, Add	*4.62*	
23 21 13 23-0217	EA	1/2" x 4" Long, Schedule 40 Black Steel Nipple	19.91	10.24
		For Schedule 80 Nipples, Add	*2.26*	
		For Work In Restricted Working Space, Add	*4.62*	
23 21 13 23-0218	EA	3/4" x 4" Long, Schedule 40 Black Steel Nipple	20.89	10.24
		For Schedule 80 Nipples, Add	*2.75*	
		For Work In Restricted Working Space, Add	*4.62*	
23 21 13 23-0219	EA	1" x 4" Long, Schedule 40 Black Steel Nipple	24.18	11.10
		For Schedule 80 Nipples, Add	*3.80*	
		For Work In Restricted Working Space, Add	*4.97*	
23 21 13 23-0220	EA	1-1/4" x 4" Long, Schedule 40 Black Steel Nipple	27.53	11.97
		For Schedule 80 Nipples, Add	*4.78*	
		For Work In Restricted Working Space, Add	*5.39*	
23 21 13 23-0221	EA	1-1/2" x 4" Long, Schedule 40 Black Steel Nipple	29.25	11.97
		For Schedule 80 Nipples, Add	*5.64*	
		For Work In Restricted Working Space, Add	*5.39*	
23 21 13 23-0222	EA	2" x 4" Long, Schedule 40 Black Steel Nipple	38.97	15.41
		For Schedule 80 Nipples, Add	*7.90*	
		For Work In Restricted Working Space, Add	*6.95*	
23 21 13 23-0223	EA	2-1/2" x 4" Long, Schedule 40 Black Steel Nipple	71.69	19.19
		For Schedule 80 Nipples, Add	*21.47*	
		For Work In Restricted Working Space, Add	*8.63*	
23 21 13 23-0224	EA	3" x 4" Long, Schedule 40 Black Steel Nipple	89.19	23.18
		For Schedule 80 Nipples, Add	*27.21*	
		For Work In Restricted Working Space, Add	*10.43*	
23 21 13 23-0225	EA	4" x 4" Long, Schedule 40 Black Steel Nipple	115.89	28.18
		For Schedule 80 Nipples, Add	*36.83*	
		For Work In Restricted Working Space, Add	*12.67*	
23 21 13 23-0226	EA	3/8" x 4-1/2" Long, Schedule 40 Black Steel Nipple	24.72	10.24
		For Schedule 80 Nipples, Add	*4.66*	
		For Work In Restricted Working Space, Add	*4.62*	

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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0227	EA	1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	20.69	10.24
		For Schedule 80 Nipples, Add	*2.65*	
		For Work In Restricted Working Space, Add	*4.62*	
23 21 13 23-0228	EA	3/4" x 4-1/2" Long, Schedule 40 Black Steel Nipple	22.30	10.24
		For Schedule 80 Nipples, Add	*3.45*	
		For Work In Restricted Working Space, Add	*4.62*	
23 21 13 23-0229	EA	1" x 4-1/2" Long, Schedule 40 Black Steel Nipple	25.59	11.10
		For Schedule 80 Nipples, Add	*4.51*	
		For Work In Restricted Working Space, Add	*4.97*	
23 21 13 23-0230	EA	1-1/4" x 4-1/2" Long, Schedule 40 Black Steel Nipple	29.41	11.97
		For Schedule 80 Nipples, Add	*5.72*	
		For Work In Restricted Working Space, Add	*5.39*	
23 21 13 23-0231	EA	1-1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	31.76	11.97
		For Schedule 80 Nipples, Add	*6.90*	
		For Work In Restricted Working Space, Add	*5.39*	
23 21 13 23-0232	EA	2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	41.36	15.41
		For Schedule 80 Nipples, Add	*9.09*	
		For Work In Restricted Working Space, Add	*6.95*	
23 21 13 23-0233	EA	2-1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	75.92	19.19
		For Schedule 80 Nipples, Add	*23.59*	
		For Work In Restricted Working Space, Add	*8.63*	
23 21 13 23-0234	EA	3" x 4-1/2" Long, Schedule 40 Black Steel Nipple	94.79	23.18
		For Schedule 80 Nipples, Add	*30.01*	
		For Work In Restricted Working Space, Add	*10.43*	
23 21 13 23-0235	EA	4" x 4-1/2" Long, Schedule 40 Black Steel Nipple	126.39	28.18
		For Schedule 80 Nipples, Add	*42.08*	
		For Work In Restricted Working Space, Add	*12.67*	
23 21 13 23-0236	EA	3/8" x 5" Long, Schedule 40 Black Steel Nipple	24.72	10.24
		For Schedule 80 Nipples, Add	*4.66*	
		For Work In Restricted Working Space, Add	*4.62*	
23 21 13 23-0237	EA	1/2" x 5" Long, Schedule 40 Black Steel Nipple	20.69	10.24
		For Schedule 80 Nipples, Add	*2.65*	
		For Work In Restricted Working Space, Add	*4.62*	
23 21 13 23-0238	EA	3/4" x 5" Long, Schedule 40 Black Steel Nipple	22.30	10.24
		For Schedule 80 Nipples, Add	*3.45*	
		For Work In Restricted Working Space, Add	*4.62*	
23 21 13 23-0239	EA	1" x 5" Long, Schedule 40 Black Steel Nipple	25.59	11.10
		For Schedule 80 Nipples, Add	*4.51*	
		For Work In Restricted Working Space, Add	*4.97*	
23 21 13 23-0240	EA	1-1/4" x 5" Long, Schedule 40 Black Steel Nipple	29.41	11.97
		For Schedule 80 Nipples, Add	*5.72*	
		For Work In Restricted Working Space, Add	*5.39*	
23 21 13 23-0241	EA	1-1/2" x 5" Long, Schedule 40 Black Steel Nipple	31.76	11.97
		For Schedule 80 Nipples, Add	*6.90*	
		For Work In Restricted Working Space, Add	*5.39*	
23 21 13 23-0242	EA	2" x 5" Long, Schedule 40 Black Steel Nipple	41.36	15.41
		For Schedule 80 Nipples, Add	*9.09*	
		For Work In Restricted Working Space, Add	*6.95*	
23 21 13 23-0243	EA	2-1/2" x 5" Long, Schedule 40 Black Steel Nipple	75.92	19.19
		For Schedule 80 Nipples, Add	*23.59*	
		For Work In Restricted Working Space, Add	*8.63*	
23 21 13 23-0244	EA	3" x 5" Long, Schedule 40 Black Steel Nipple	94.79	23.18
		For Schedule 80 Nipples, Add	*30.01*	
		For Work In Restricted Working Space, Add	*10.43*	
23 21 13 23-0245	EA	4" x 5" Long, Schedule 40 Black Steel Nipple	126.39	28.18
		For Schedule 80 Nipples, Add	*42.08*	
		For Work In Restricted Working Space, Add	*12.67*	
23 21 13 23-0246	EA	3/8" x 6" Long, Schedule 40 Black Steel Nipple	25.78	10.24
		For Schedule 80 Nipples, Add	*5.19*	
		For Work In Restricted Working Space, Add	*4.62*	
23 21 13 23-0247	EA	1/2" x 6" Long, Schedule 40 Black Steel Nipple	21.32	10.24
		For Schedule 80 Nipples, Add	*2.96*	
		For Work In Restricted Working Space, Add	*4.62*	
23 21 13 23-0248	EA	3/4" x 6" Long, Schedule 40 Black Steel Nipple	23.24	10.24
		For Schedule 80 Nipples, Add	*3.92*	
		For Work In Restricted Working Space, Add	*4.62*	
23 21 13 23-0249	EA	1" x 6" Long, Schedule 40 Black Steel Nipple	27.24	11.10
		For Schedule 80 Nipples, Add	*5.33*	
		For Work In Restricted Working Space, Add	*4.97*	
23 21 13 23-0250	EA	1-1/4" x 6" Long, Schedule 40 Black Steel Nipple	31.53	11.97
		For Schedule 80 Nipples, Add	*6.78*	
		For Work In Restricted Working Space, Add	*5.39*	
23 21 13 23-0251	EA	1-1/2" x 6" Long, Schedule 40 Black Steel Nipple	33.80	11.97
		For Schedule 80 Nipples, Add	*7.92*	
		For Work In Restricted Working Space, Add	*5.39*	
23 21 13 23-0252	EA	2" x 6" Long, Schedule 40 Black Steel Nipple	44.49	15.41
		For Schedule 80 Nipples, Add	*10.66*	
		For Work In Restricted Working Space, Add	*6.95*	
23 21 13 23-0253	EA	2-1/2" x 6" Long, Schedule 40 Black Steel Nipple	77.92	19.19
		For Schedule 80 Nipples, Add	*24.59*	
		For Work In Restricted Working Space, Add	*8.63*	
23 21 13 23-0254	EA	3" x 6" Long, Schedule 40 Black Steel Nipple	100.00	23.18
		For Schedule 80 Nipples, Add	*32.62*	
		For Work In Restricted Working Space, Add	*10.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0255	EA	4" x 6" Long, Schedule 40 Black Steel Nipple	132.19	28.18
		For Schedule 80 Nipples, Add	*44.98*	
		For Work In Restricted Working Space, Add	*12.67*	
23 21 13 23-0256	EA	3/8" x 8" Long, Schedule 40 Black Steel Nipple	33.62	10.24
		For Schedule 80 Nipples, Add	*9.11*	
		For Work In Restricted Working Space, Add	*4.62*	
23 21 13 23-0257	EA	1/2" x 8" Long, Schedule 40 Black Steel Nipple	26.06	10.24
		For Schedule 80 Nipples, Add	*5.33*	
		For Work In Restricted Working Space, Add	*4.62*	
23 21 13 23-0258	EA	3/4" x 8" Long, Schedule 40 Black Steel Nipple	28.45	10.24
		For Schedule 80 Nipples, Add	*6.53*	
		For Work In Restricted Working Space, Add	*4.62*	
23 21 13 23-0259	EA	1" x 8" Long, Schedule 40 Black Steel Nipple	34.02	11.10
		For Schedule 80 Nipples, Add	*8.72*	
		For Work In Restricted Working Space, Add	*4.97*	
23 21 13 23-0260	EA	1-1/4" x 8" Long, Schedule 40 Black Steel Nipple	39.87	11.97
		For Schedule 80 Nipples, Add	*10.95*	
		For Work In Restricted Working Space, Add	*5.39*	
23 21 13 23-0261	EA	1-1/2" x 8" Long, Schedule 40 Black Steel Nipple	43.08	11.97
		For Schedule 80 Nipples, Add	*12.56*	
		For Work In Restricted Working Space, Add	*5.39*	
23 21 13 23-0262	EA	2" x 8" Long, Schedule 40 Black Steel Nipple	58.91	15.41
		For Schedule 80 Nipples, Add	*17.87*	
		For Work In Restricted Working Space, Add	*6.95*	
23 21 13 23-0263	EA	2-1/2" x 8" Long, Schedule 40 Black Steel Nipple	91.32	19.19
		For Schedule 80 Nipples, Add	*31.29*	
		For Work In Restricted Working Space, Add	*8.63*	
23 21 13 23-0264	EA	3" x 8" Long, Schedule 40 Black Steel Nipple	122.77	23.18
		For Schedule 80 Nipples, Add	*44.00*	
		For Work In Restricted Working Space, Add	*10.43*	
23 21 13 23-0265	EA	4" x 8" Long, Schedule 40 Black Steel Nipple	146.06	28.18
		For Schedule 80 Nipples, Add	*51.92*	
		For Work In Restricted Working Space, Add	*12.67*	
23 21 13 23-0266	EA	3/8" x 10" Long, Schedule 40 Black Steel Nipple	35.85	10.24
		For Schedule 80 Nipples, Add	*10.23*	
		For Work In Restricted Working Space, Add	*4.62*	
23 21 13 23-0267	EA	1/2" x 10" Long, Schedule 40 Black Steel Nipple	28.21	10.24
		For Schedule 80 Nipples, Add	*6.41*	
		For Work In Restricted Working Space, Add	*4.62*	
23 21 13 23-0268	EA	3/4" x 10" Long, Schedule 40 Black Steel Nipple	30.56	10.24
		For Schedule 80 Nipples, Add	*7.58*	
		For Work In Restricted Working Space, Add	*4.62*	
23 21 13 23-0269	EA	1" x 10" Long, Schedule 40 Black Steel Nipple	36.95	11.10
		For Schedule 80 Nipples, Add	*10.19*	
		For Work In Restricted Working Space, Add	*4.97*	
23 21 13 23-0270	EA	1-1/4" x 10" Long, Schedule 40 Black Steel Nipple	44.22	11.97
		For Schedule 80 Nipples, Add	*13.13*	
		For Work In Restricted Working Space, Add	*5.39*	
23 21 13 23-0271	EA	1-1/2" x 10" Long, Schedule 40 Black Steel Nipple	47.35	11.97
		For Schedule 80 Nipples, Add	*14.69*	
		For Work In Restricted Working Space, Add	*5.39*	
23 21 13 23-0272	EA	2" x 10" Long, Schedule 40 Black Steel Nipple	65.18	15.41
		For Schedule 80 Nipples, Add	*21.00*	
		For Work In Restricted Working Space, Add	*6.95*	
23 21 13 23-0273	EA	2-1/2" x 10" Long, Schedule 40 Black Steel Nipple	99.04	19.19
		For Schedule 80 Nipples, Add	*35.15*	
		For Work In Restricted Working Space, Add	*8.63*	
23 21 13 23-0274	EA	3" x 10" Long, Schedule 40 Black Steel Nipple	133.62	23.18
		For Schedule 80 Nipples, Add	*49.43*	
		For Work In Restricted Working Space, Add	*10.43*	
23 21 13 23-0275	EA	4" x 10" Long, Schedule 40 Black Steel Nipple	160.48	28.18
		For Schedule 80 Nipples, Add	*59.13*	
		For Work In Restricted Working Space, Add	*12.67*	
23 21 13 23-0276	EA	3/8" x 12" Long, Schedule 40 Black Steel Nipple	38.67	10.24
		For Schedule 80 Nipples, Add	*11.64*	
		For Work In Restricted Working Space, Add	*4.62*	
23 21 13 23-0277	EA	1/2" x 12" Long, Schedule 40 Black Steel Nipple	30.60	10.24
		For Schedule 80 Nipples, Add	*7.60*	
		For Work In Restricted Working Space, Add	*4.62*	
23 21 13 23-0278	EA	3/4" x 12" Long, Schedule 40 Black Steel Nipple	32.25	10.24
		For Schedule 80 Nipples, Add	*8.43*	
		For Work In Restricted Working Space, Add	*4.62*	
23 21 13 23-0279	EA	1" x 12" Long, Schedule 40 Black Steel Nipple	39.97	11.10
		For Schedule 80 Nipples, Add	*11.70*	
		For Work In Restricted Working Space, Add	*4.97*	
23 21 13 23-0280	EA	1-1/4" x 12" Long, Schedule 40 Black Steel Nipple	47.75	11.97
		For Schedule 80 Nipples, Add	*14.89*	
		For Work In Restricted Working Space, Add	*5.39*	
23 21 13 23-0281	EA	1-1/2" x 12" Long, Schedule 40 Black Steel Nipple	51.82	11.97
		For Schedule 80 Nipples, Add	*16.93*	
		For Work In Restricted Working Space, Add	*5.39*	
23 21 13 23-0282	EA	2" x 12" Long, Schedule 40 Black Steel Nipple	71.53	15.41
		For Schedule 80 Nipples, Add	*24.18*	
		For Work In Restricted Working Space, Add	*6.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0283	EA	2-1/2" x 12" Long, Schedule 40 Black Steel Nipple	106.95	19.19
		For Schedule 80 Nipples, Add	*39.10*	
		For Work In Restricted Working Space, Add	*8.63*	
23 21 13 23-0284	EA	3" x 12" Long, Schedule 40 Black Steel Nipple	144.47	23.18
		For Schedule 80 Nipples, Add	*54.85*	
		For Work In Restricted Working Space, Add	*10.43*	
23 21 13 23-0285	EA	4" x 12" Long, Schedule 40 Black Steel Nipple	180.85	28.18
		For Schedule 80 Nipples, Add	*69.31*	
		For Work In Restricted Working Space, Add	*12.67*	

23 21 13 23-0286 Black Malleable Iron Bushing *(23 21 13 23-0014)*

23 21 13 23-0287	EA	1/2" x 3/8", 150 Lb., Black Malleable Iron Bushing	30.96	17.57
		For Work In Restricted Working Space, Add	*7.90*	
23 21 13 23-0288	EA	3/4" x 3/8", 150 Lb., Black Malleable Iron Bushing	34.96	18.87
		For Work In Restricted Working Space, Add	*8.49*	
23 21 13 23-0289	EA	3/4" x 1/2", 150 Lb., Black Malleable Iron Bushing	37.12	20.27
		For Work In Restricted Working Space, Add	*9.14*	
23 21 13 23-0290	EA	1" x 3/8", 150 Lb., Black Malleable Iron Bushing	39.37	20.16
		For Work In Restricted Working Space, Add	*9.05*	
23 21 13 23-0291	EA	1" x 1/2", 150 Lb., Black Malleable Iron Bushing	39.20	21.56
		For Work In Restricted Working Space, Add	*9.70*	
23 21 13 23-0292	EA	1" x 3/4", 150 Lb., Black Malleable Iron Bushing	40.92	22.74
		For Work In Restricted Working Space, Add	*10.22*	
23 21 13 23-0293	EA	1-1/4" x 3/8", 150 Lb., Black Malleable Iron Bushing	42.87	21.67
		For Work In Restricted Working Space, Add	*9.77*	
23 21 13 23-0294	EA	1-1/4" x 1/2", 150 Lb., Black Malleable Iron Bushing	44.55	23.18
		For Work In Restricted Working Space, Add	*10.41*	
23 21 13 23-0295	EA	1-1/4" x 3/4", 150 Lb., Black Malleable Iron Bushing	45.28	24.26
		For Work In Restricted Working Space, Add	*10.93*	
23 21 13 23-0296	EA	1-1/4" x 1", 150 Lb., Black Malleable Iron Bushing	47.16	25.54
		For Work In Restricted Working Space, Add	*11.49*	
23 21 13 23-0297	EA	1-1/2" x 3/8", 150 Lb., Black Malleable Iron Bushing	48.75	23.50
		For Work In Restricted Working Space, Add	*10.55*	
23 21 13 23-0298	EA	1-1/2" x 1/2", 150 Lb., Black Malleable Iron Bushing	48.52	24.90
		For Work In Restricted Working Space, Add	*11.19*	
23 21 13 23-0299	EA	1-1/2" x 3/4", 150 Lb., Black Malleable Iron Bushing	50.23	25.98
		For Work In Restricted Working Space, Add	*11.71*	
23 21 13 23-0300	EA	1-1/2" x 1", 150 Lb., Black Malleable Iron Bushing	50.74	27.27
		For Work In Restricted Working Space, Add	*12.27*	
23 21 13 23-0301	EA	1-1/2" x 1-1/4", 150 Lb., Black Malleable Iron Bushing	54.50	28.89
		For Work In Restricted Working Space, Add	*12.98*	
23 21 13 23-0302	EA	2" x 3/8", 150 Lb., Black Malleable Iron Bushing	60.55	27.59
		For Work In Restricted Working Space, Add	*12.41*	
23 21 13 23-0303	EA	2" x 1/2", 150 Lb., Black Malleable Iron Bushing	60.43	29.00
		For Work In Restricted Working Space, Add	*13.05*	
23 21 13 23-0304	EA	2" x 3/4", 150 Lb., Black Malleable Iron Bushing	59.54	30.18
		For Work In Restricted Working Space, Add	*13.57*	
23 21 13 23-0305	EA	2" x 1", 150 Lb., Black Malleable Iron Bushing	60.51	31.37
		For Work In Restricted Working Space, Add	*14.13*	
23 21 13 23-0306	EA	2" x 1-1/4", 150 Lb., Black Malleable Iron Bushing	62.89	32.99
		For Work In Restricted Working Space, Add	*14.84*	
23 21 13 23-0307	EA	2" x 1-1/2", 150 Lb., Black Malleable Iron Bushing	67.00	34.71
		For Work In Restricted Working Space, Add	*15.62*	
23 21 13 23-0308	EA	2-1/2" x 3/4", 150 Lb., Black Malleable Iron Bushing	83.59	39.46
		For Work In Restricted Working Space, Add	*17.76*	
23 21 13 23-0309	EA	2-1/2" x 1", 150 Lb., Black Malleable Iron Bushing	85.46	40.75
		For Work In Restricted Working Space, Add	*18.32*	
23 21 13 23-0310	EA	2-1/2" x 1-1/4", 150 Lb., Black Malleable Iron Bushing	87.84	42.26
		For Work In Restricted Working Space, Add	*19.04*	
23 21 13 23-0311	EA	2-1/2" x 1-1/2", 150 Lb., Black Malleable Iron Bushing	88.77	44.09
		For Work In Restricted Working Space, Add	*19.82*	
23 21 13 23-0312	EA	2-1/2" x 2", 150 Lb., Black Malleable Iron Bushing	94.78	48.18
		For Work In Restricted Working Space, Add	*21.68*	
23 21 13 23-0313	EA	3" x 3/4", 150 Lb., Black Malleable Iron Bushing	106.54	48.50
		For Work In Restricted Working Space, Add	*21.85*	
23 21 13 23-0314	EA	3" x 1", 150 Lb., Black Malleable Iron Bushing	108.41	49.80
		For Work In Restricted Working Space, Add	*22.41*	
23 21 13 23-0315	EA	3" x 1-1/4", 150 Lb., Black Malleable Iron Bushing	110.78	51.41
		For Work In Restricted Working Space, Add	*23.12*	
23 21 13 23-0316	EA	3" x 1-1/2", 150 Lb., Black Malleable Iron Bushing	112.73	53.14
		For Work In Restricted Working Space, Add	*23.90*	
23 21 13 23-0317	EA	3" x 2", 150 Lb., Black Malleable Iron Bushing	116.75	57.23
		For Work In Restricted Working Space, Add	*25.76*	
23 21 13 23-0318	EA	3" x 2-1/2", 150 Lb., Black Malleable Iron Bushing	131.20	66.61
		For Work In Restricted Working Space, Add	*29.95*	
23 21 13 23-0319	EA	4" x 3/4", 150 Lb., Black Malleable Iron Bushing	142.00	51.51
		For Work In Restricted Working Space, Add	*23.20*	
23 21 13 23-0320	EA	4" x 1", 150 Lb., Black Malleable Iron Bushing	143.83	52.78
		For Work In Restricted Working Space, Add	*23.75*	
23 21 13 23-0321	EA	4" x 1-1/4", 150 Lb., Black Malleable Iron Bushing	146.15	54.36
		For Work In Restricted Working Space, Add	*24.45*	
23 21 13 23-0322	EA	4" x 1-1/2", 150 Lb., Black Malleable Iron Bushing	148.70	56.06
		For Work In Restricted Working Space, Add	*25.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0323	EA	4" x 2", 150 Lb., Black Malleable Iron Bushing	151.30	60.07
		For Work In Restricted Working Space, Add	*27.03*	
23 21 13 23-0324	EA	4" x 2-1/2", 150 Lb., Black Malleable Iron Bushing	164.99	69.25
		For Work In Restricted Working Space, Add	*31.14*	
23 21 13 23-0325	EA	4" x 3", 150 Lb., Black Malleable Iron Bushing	178.33	78.11
		For Work In Restricted Working Space, Add	*35.14*	

23 21 13 23-0326 Black Malleable Iron Square Head Plugs *(23 21 13 23-0014)*

23 21 13 23-0327	EA	3/8", 150 Lb., Black Malleable Iron Square Head Plug	13.11	6.36
		For Work In Restricted Working Space, Add	*2.87*	
23 21 13 23-0328	EA	1/2", 150 Lb., Black Malleable Iron Square Head Plug	15.27	7.66
		For Work In Restricted Working Space, Add	*3.45*	
23 21 13 23-0329	EA	3/4", 150 Lb., Black Malleable Iron Square Head Plug	16.64	8.62
		For Work In Restricted Working Space, Add	*3.86*	
23 21 13 23-0330	EA	1", 150 Lb., Black Malleable Iron Square Head Plug	19.10	9.59
		For Work In Restricted Working Space, Add	*4.31*	
23 21 13 23-0331	EA	1-1/4", 150 Lb., Black Malleable Iron Square Head Plug	22.23	10.89
		For Work In Restricted Working Space, Add	*4.88*	
23 21 13 23-0332	EA	1-1/2", 150 Lb., Black Malleable Iron Square Head Plug	26.66	12.18
		For Work In Restricted Working Space, Add	*5.50*	
23 21 13 23-0333	EA	2", 150 Lb., Black Malleable Iron Square Head Plug	35.14	15.52
		For Work In Restricted Working Space, Add	*6.99*	
23 21 13 23-0334	EA	2-1/2", 150 Lb., Black Malleable Iron Square Head Plug	56.01	22.96
		For Work In Restricted Working Space, Add	*10.35*	
23 21 13 23-0335	EA	3", 150 Lb., Black Malleable Iron Square Head Plug	74.94	30.29
		For Work In Restricted Working Space, Add	*13.62*	
23 21 13 23-0336	EA	4", 150 Lb., Black Malleable Iron Square Head Plug	111.25	32.83
		For Work In Restricted Working Space, Add	*14.78*	
23 21 13 23-0337	EA	5", 150 Lb., Black Malleable Iron Square Head Plug	184.56	34.30
		For Work In Restricted Working Space, Add	*15.42*	
23 21 13 23-0338	EA	6", 150 Lb., Black Malleable Iron Square Head Plug	218.66	35.78
		For Work In Restricted Working Space, Add	*16.12*	

23 21 13 23-0339 125 Lb., Black Cast Iron Screwed Flanges *(23 21 13 23-0014)*

Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.

23 21 13 23-0340	EA	3/4", 125 Lb., Black Cast Iron Flange	132.17	43.11
		For Work In Restricted Working Space, Add	*19.40*	
23 21 13 23-0341	EA	1", 125 Lb., Black Cast Iron Flange	116.00	48.72
		For Work In Restricted Working Space, Add	*21.92*	
23 21 13 23-0342	EA	1-1/4", 125 Lb., Black Cast Iron Flange	126.99	50.45
		For Work In Restricted Working Space, Add	*22.69*	
23 21 13 23-0343	EA	1-1/2", 125 Lb., Black Cast Iron Flange	129.75	54.87
		For Work In Restricted Working Space, Add	*24.69*	
23 21 13 23-0344	EA	2", 125 Lb., Black Cast Iron Flange	133.25	57.23
		For Work In Restricted Working Space, Add	*25.77*	
23 21 13 23-0345	EA	2-1/2", 125 Lb., Black Cast Iron Flange	154.74	66.29
		For Work In Restricted Working Space, Add	*29.80*	
23 21 13 23-0346	EA	3", 125 Lb., Black Cast Iron Flange	197.44	84.08
		For Work In Restricted Working Space, Add	*37.82*	
23 21 13 23-0347	EA	4", 125 Lb., Black Cast Iron Flange	265.08	112.64
		For Work In Restricted Working Space, Add	*50.67*	
23 21 13 23-0348	EA	5", 125 Lb., Black Cast Iron Flange	336.95	134.17
		For Work In Restricted Working Space, Add	*60.32*	
23 21 13 23-0349	EA	6", 125 Lb., Black Cast Iron Flange	384.65	154.02
		For Work In Restricted Working Space, Add	*69.27*	

23 21 13 23-0350 150 Lb., Black Malleable Iron Flanges *(23 21 13 23-0014)*

Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.

23 21 13 23-0351	EA	1/2", 150 Lb., Black Malleable Iron Flange	73.99	39.34
		For Work In Restricted Working Space, Add	*17.72*	
23 21 13 23-0352	EA	3/4", 150 Lb., Black Malleable Iron Flange	80.77	43.11
		For Work In Restricted Working Space, Add	*19.40*	
23 21 13 23-0353	EA	1", 150 Lb., Black Malleable Iron Flange	93.97	48.72
		For Work In Restricted Working Space, Add	*21.92*	
23 21 13 23-0354	EA	1-1/4", 150 Lb., Black Malleable Iron Flange	97.98	50.45
		For Work In Restricted Working Space, Add	*22.69*	
23 21 13 23-0355	EA	1-1/2", 150 Lb., Black Malleable Iron Flange	106.67	54.87
		For Work In Restricted Working Space, Add	*24.69*	
23 21 13 23-0356	EA	2", 150 Lb., Black Malleable Iron Flange	117.67	57.23
		For Work In Restricted Working Space, Add	*25.76*	
23 21 13 23-0357	EA	2-1/2", 150 Lb., Black Malleable Iron Flange	149.19	66.29
		For Work In Restricted Working Space, Add	*29.80*	
23 21 13 23-0358	EA	3", 150 Lb., Black Malleable Iron Flange	189.06	84.08
		For Work In Restricted Working Space, Add	*37.81*	
23 21 13 23-0359	EA	4", 150 Lb., Black Malleable Iron Flange	275.89	112.64
		For Work In Restricted Working Space, Add	*50.66*	

23 21 13 23-0360 Cut And Thread Existing In-Place Black Steel Pipe *(23 21 13 23-0014)*

Note: For use when connecting pipe to an existing in-place system.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0361	EA	1/2", Cut And Thread Existing In Place Black Steel Pipe	35.12	
		For Work In Restricted Working Space, Add	*10.54*	
23 21 13 23-0362	EA	3/4", Cut And Thread Existing In Place Black Steel Pipe	38.63	
		For Work In Restricted Working Space, Add	*11.59*	
23 21 13 23-0363	EA	1", Cut And Thread Existing In Place Black Steel Pipe	42.15	
		For Work In Restricted Working Space, Add	*12.65*	
23 21 13 23-0364	EA	1-1/4", Cut And Thread Existing In Place Black Steel Pipe	45.65	
		For Work In Restricted Working Space, Add	*13.70*	
23 21 13 23-0365	EA	1-1/2", Cut And Thread Existing In Place Black Steel Pipe	47.99	
		For Work In Restricted Working Space, Add	*14.40*	
23 21 13 23-0366	EA	2", Cut And Thread Existing In Place Black Steel Pipe	50.33	
		For Work In Restricted Working Space, Add	*15.10*	
23 21 13 23-0367	EA	2-1/2", Cut And Thread Existing In Place Black Steel Pipe	52.68	
		For Work In Restricted Working Space, Add	*15.80*	
23 21 13 23-0368	EA	3", Cut And Thread Existing In Place Black Steel Pipe	55.01	
		For Work In Restricted Working Space, Add	*16.50*	
23 21 13 23-0369	EA	4", Cut And Thread Existing In Place Black Steel Pipe	57.36	
		For Work In Restricted Working Space, Add	*17.21*	
23 21 13 23-0370	EA	6", Cut And Thread Existing In Place Black Steel Pipe	62.04	
		For Work In Restricted Working Space, Add	*18.61*	
23 21 13 23-0371	EA	8", Cut And Thread Existing In Place Black Steel Pipe	66.72	
		For Work In Restricted Working Space, Add	*20.02*	
23 21 13 23-0372	EA	10", Cut And Thread Existing In Place Black Steel Pipe	72.57	
		For Work In Restricted Working Space, Add	*21.77*	
23 21 13 23-0373	EA	12", Cut And Thread Existing In Place Black Steel Pipe	77.25	
		For Work In Restricted Working Space, Add	*23.18*	

23 21 13 23-0374 Welded Black Steel Pipe *(23 21 13 23)*

23 21 13 23-0375 Welded Plain End Black Steel Pipe Assemblies *(23 21 13 23-0374)*

Note: ASTM A-53 pipe and A-234 WPB fittings. Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.

23 21 13 23-0376	LF	3/4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	27.99	8.23
		For Work In Restricted Working Space, Add	*6.01*	
23 21 13 23-0377	LF	1" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	31.51	8.77
		For Work In Restricted Working Space, Add	*6.73*	
23 21 13 23-0378	LF	1-1/4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	38.73	9.32
		For Work In Restricted Working Space, Add	*7.72*	
23 21 13 23-0379	LF	1-1/2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	42.31	9.32
		For Work In Restricted Working Space, Add	*8.08*	
23 21 13 23-0380	LF	2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	48.55	9.32
		For Work In Restricted Working Space, Add	*9.35*	
23 21 13 23-0381	LF	2-1/2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	56.15	9.32
		For Work In Restricted Working Space, Add	*10.84*	
23 21 13 23-0382	LF	3" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	68.30	9.10
		For Work In Restricted Working Space, Add	*11.44*	
23 21 13 23-0383	LF	4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	93.97	11.58
		For Work In Restricted Working Space, Add	*14.38*	
23 21 13 23-0384	LF	6" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	131.60	17.27
		For Work In Restricted Working Space, Add	*16.55*	
23 21 13 23-0385	LF	8" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	198.47	21.45
		For Work In Restricted Working Space, Add	*24.56*	
23 21 13 23-0386	LF	10" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	266.18	26.81
		For Work In Restricted Working Space, Add	*29.28*	
23 21 13 23-0387	LF	12" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	337.03	32.39
		For Work In Restricted Working Space, Add	*33.84*	
23 21 13 23-0388	LF	14" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	354.21	42.26
		For Work In Restricted Working Space, Add	*37.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0389	LF	16" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	407.62	53.62
		For Work In Restricted Working Space, Add	*42.19*	
23 21 13 23-0390	LF	18" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	521.45	66.39
		For Work In Restricted Working Space, Add	*46.29*	
23 21 13 23-0391	LF	20" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	646.05	82.04
		For Work In Restricted Working Space, Add	*52.98*	
23 21 13 23-0392	LF	24" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	800.72	92.98
		For Work In Restricted Working Space, Add	*58.25*	
23 21 13 23-0393		**Welded Black Steel Pipe And Fittings** *(23 21 13 23-0374)* Note: ASTM A-53 pipe and A-234 WPB fittings. Excludes hangers or fittings.		
23 21 13 23-0394		**Welded Plain End (A-53) Black Steel Piping** *(23 21 13 23-0393)*		
23 21 13 23-0395	LF	3/4" Schedule 40, Welded Plain End Black Steel Pipe	13.00	4.38
		For Schedule 80 Pipe, Add	*2.16*	
		For Work In Restricted Working Space, Add	*2.63*	
23 21 13 23-0396	LF	1" Schedule 40, Welded Plain End Black Steel Pipe	16.59	5.48
		For Schedule 80 Pipe, Add	*2.77*	
		For Work In Restricted Working Space, Add	*3.29*	
23 21 13 23-0397	LF	1-1/4" Schedule 40, Welded Plain End Black Steel Pipe	21.41	6.58
		For Schedule 80 Pipe, Add	*3.62*	
		For Work In Restricted Working Space, Add	*3.95*	
23 21 13 23-0398	LF	1-1/2" Schedule 40, Welded Plain End Black Steel Pipe	26.32	7.67
		For Schedule 80 Pipe, Add	*4.50*	
		For Work In Restricted Working Space, Add	*4.61*	
23 21 13 23-0399	LF	2" Schedule 40, Welded Plain End Black Steel Pipe	31.31	9.10
		For Schedule 80 Pipe, Add	*5.35*	
		For Work In Restricted Working Space, Add	*5.46*	
23 21 13 23-0400	LF	2-1/2" Schedule 40, Welded Plain End Black Steel Pipe	35.92	10.31
		For Schedule 80 Pipe, Add	*8.97*	
		For Work In Restricted Working Space, Add	*6.18*	
23 21 13 23-0401	LF	3" Schedule 40, Welded Plain End Black Steel Pipe	46.45	11.07
		For Schedule 80 Pipe, Add	*12.38*	
		For Work In Restricted Working Space, Add	*6.65*	
23 21 13 23-0402	LF	4" Schedule 40, Welded Plain End Black Steel Pipe	66.35	13.71
		For Schedule 80 Pipe, Add	*18.43*	
		For Work In Restricted Working Space, Add	*8.22*	
23 21 13 23-0403	LF	6" Schedule 40, Welded Plain End Black Steel Pipe	99.26	22.20
		For Schedule 80 Pipe, Add	*28.79*	
		For Work In Restricted Working Space, Add	*10.19*	
23 21 13 23-0404	LF	8" Schedule 40, Welded Plain End Black Steel Pipe	144.54	23.05
		For Schedule 80 Pipe, Add	*42.52*	
		For Schedule 30 Pipe, Deduct	*-24.30*	
		For Work In Restricted Working Space, Add	*13.84*	
23 21 13 23-0405	LF	10" Schedule 40, Welded Plain End Black Steel Pipe	194.86	27.77
		For Schedule 80 Pipe, Add	*58.48*	
		For Schedule 30 Pipe, Deduct	*-33.42*	
		For Work In Restricted Working Space, Add	*16.67*	
23 21 13 23-0406	LF	12" Schedule 40, Welded Plain End Black Steel Pipe	251.36	33.57
		For Schedule 80 Pipe, Add	*76.23*	
		For Schedule 30 Pipe, Deduct	*-43.56*	
		For Work In Restricted Working Space, Add	*20.14*	
23 21 13 23-0407	LF	14" Schedule 40, Welded Plain End Black Steel Pipe	238.78	35.39
		For Schedule 80 Pipe, Add	*71.18*	
		For Schedule 30 Pipe, Deduct	*-40.68*	
		For Schedule 20 Pipe, Deduct	*-72.95*	
		For Work In Restricted Working Space, Add	*21.24*	
23 21 13 23-0408	LF	16" Schedule 40, Welded Plain End Black Steel Pipe	263.93	38.07
		For Schedule 80 Pipe, Add	*79.05*	
		For Schedule 30 Pipe, Deduct	*-45.17*	
		For Schedule 20 Pipe, Deduct	*-80.95*	
		For Work In Restricted Working Space, Add	*22.85*	
23 21 13 23-0409	LF	18" Schedule 40, Welded Plain End Black Steel Pipe	342.62	41.18
		For Schedule 80 Pipe, Add	*105.50*	
		For Schedule 30 Pipe, Deduct	*-60.29*	
		For Schedule 20 Pipe, Deduct	*-107.56*	
		For Work In Restricted Working Space, Add	*24.71*	
23 21 13 23-0410	LF	20" Schedule 40, Welded Plain End Black Steel Pipe	404.24	49.34
		For Schedule 80 Pipe, Add	*124.22*	
		For Work In Restricted Working Space, Add	*29.60*	
23 21 13 23-0411	LF	24" Schedule 40, Welded Plain End Black Steel Pipe	508.22	56.73
		For Schedule 80 Pipe, Add	*158.02*	
		For Work In Restricted Working Space, Add	*34.04*	
23 21 13 23-0412		**Welded Plain End (A-106) Seamless Carbon Steel Piping** *(23 21 13 23-0393)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0413	LF	1/4" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	11.32	3.07
		For Work In Restricted Working Space, Add	*1.84*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*2.84*	
23 21 13 23-0414	LF	1/2" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	11.44	3.40
		For Work In Restricted Working Space, Add	*2.01*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*2.76*	
23 21 13 23-0415	LF	3/4" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	14.44	4.38
		For Work In Restricted Working Space, Add	*2.63*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*3.41*	
23 21 13 23-0416	LF	1" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	17.69	5.48
		For Work In Restricted Working Space, Add	*3.29*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*4.13*	
23 21 13 23-0417	LF	1-1/4" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	22.38	6.58
		For Work In Restricted Working Space, Add	*3.95*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*5.39*	
23 21 13 23-0418	LF	1-1/2" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	26.14	7.67
		For Work In Restricted Working Space, Add	*4.61*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*6.29*	
23 21 13 23-0419	LF	2" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	31.05	9.10
		For Work In Restricted Working Space, Add	*5.46*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*7.49*	
23 21 13 23-0420	LF	2-1/2" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	41.19	10.31
		For Work In Restricted Working Space, Add	*6.18*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*14.62*	
23 21 13 23-0421	LF	3" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	47.34	11.07
		For Work In Restricted Working Space, Add	*6.65*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*17.43*	
23 21 13 23-0422	LF	4" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	58.82	13.71
		For Work In Restricted Working Space, Add	*8.22*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*21.71*	
23 21 13 23-0423	LF	6" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	92.52	22.25
		For Work In Restricted Working Space, Add	*10.19*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*37.88*	
23 21 13 23-0424	LF	8" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	134.22	23.05
		For Work In Restricted Working Space, Add	*13.84*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*56.25*	
23 21 13 23-0425	LF	10" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	181.20	27.77
		For Work In Restricted Working Space, Add	*16.67*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*78.70*	
23 21 13 23-0426	LF	12" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	220.97	33.57
		For Work In Restricted Working Space, Add	*20.14*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*96.22*	
23 21 13 23-0427	LF	14" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	259.99	35.39
		For Work In Restricted Working Space, Add	*21.24*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*116.57*	
23 21 13 23-0428	LF	16" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	300.69	38.07
		For Work In Restricted Working Space, Add	*22.85*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*137.16*	
23 21 13 23-0429	LF	18" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	365.64	41.18
		For Work In Restricted Working Space, Add	*24.71*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*170.99*	
23 21 13 23-0430	LF	20" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	440.68	49.34
		For Work In Restricted Working Space, Add	*29.60*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*206.33*	
23 21 13 23-0431	LF	24" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	556.55	56.73
		For Work In Restricted Working Space, Add	*34.04*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*265.15*	

23 21 13 23-0432 Welded Plain End Black Steel 90 Degree Elbows *(23 21 13 23-0393)*

23 21 13 23-0433	EA	3/4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	120.03	67.99
		For Schedule 80 Or Extra Heavy Fittings, Add	*25.31*	
		For Work In Restricted Working Space, Add	*30.57*	
23 21 13 23-0434	EA	1" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	125.37	71.53
		For Schedule 80 Or Extra Heavy Fittings, Add	*26.35*	
		For Work In Restricted Working Space, Add	*32.17*	
23 21 13 23-0435	EA	1-1/4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	140.38	81.51
		For Schedule 80 Or Extra Heavy Fittings, Add	*29.28*	
		For Work In Restricted Working Space, Add	*36.67*	
23 21 13 23-0436	EA	1-1/2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	150.04	87.94
		For Schedule 80 Or Extra Heavy Fittings, Add	*31.16*	
		For Work In Restricted Working Space, Add	*39.57*	
23 21 13 23-0437	EA	2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	189.71	114.43
		For Schedule 80 Or Extra Heavy Fittings, Add	*38.90*	
		For Work In Restricted Working Space, Add	*51.47*	
23 21 13 23-0438	EA	2-1/2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	238.65	143.06
		For Schedule 80 Or Extra Heavy Fittings, Add	*49.08*	
		For Work In Restricted Working Space, Add	*64.34*	
23 21 13 23-0439	EA	3" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	251.03	148.21
		For Schedule 80 Or Extra Heavy Fittings, Add	*51.99*	
		For Work In Restricted Working Space, Add	*66.64*	
23 21 13 23-0440	EA	4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	431.73	256.08
		For Schedule 80 Or Extra Heavy Fittings, Add	*89.21*	
		For Work In Restricted Working Space, Add	*115.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0441	EA	6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	751.18	422.58
		For Schedule 80 Or Extra Heavy Fittings, Add	*158.82*	
		For Work In Restricted Working Space, Add	*190.09*	
23 21 13 23-0442	EA	8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,089.54	581.17
		For Schedule 80 Or Extra Heavy Fittings, Add	*235.37*	
		For Work In Restricted Working Space, Add	*261.41*	
23 21 13 23-0443	EA	10" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,396.41	664.29
		For Schedule 80 Or Extra Heavy Fittings, Add	*314.36*	
		For Work In Restricted Working Space, Add	*298.76*	
23 21 13 23-0444	EA	12" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,883.81	869.13
		For Schedule 80 Or Extra Heavy Fittings, Add	*428.33*	
		For Work In Restricted Working Space, Add	*390.90*	
23 21 13 23-0445	EA	14" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,326.35	1,027.32
		For Schedule 80 Or Extra Heavy Fittings, Add	*536.18*	
		For Work In Restricted Working Space, Add	*462.07*	
23 21 13 23-0446	EA	16" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,874.55	1,199.66
		For Schedule 80 Or Extra Heavy Fittings, Add	*673.52*	
		For Work In Restricted Working Space, Add	*539.56*	
23 21 13 23-0447	EA	18" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	3,390.39	1,337.70
		For Schedule 80 Or Extra Heavy Fittings, Add	*806.54*	
		For Work In Restricted Working Space, Add	*601.65*	
23 21 13 23-0448	EA	20" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	4,284.24	1,499.85
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,049.16*	
		For Work In Restricted Working Space, Add	*674.62*	
23 21 13 23-0449	EA	24" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	4,983.89	1,549.93
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,251.18*	
		For Work In Restricted Working Space, Add	*697.11*	

23 21 13 23-0450 Welded Plain End Black Steel Reducing 90 Degree Elbows *(23 21 13 23-0393)*

23 21 13 23-0451	EA	4" x 3" 90 Standard Weight, Welded Plain End Black Steel Reducing 90 Degree Elbow	581.29	256.51
		For Schedule 80 Or Extra Heavy Fittings, Add	*134.00*	
		For Work In Restricted Working Space, Add	*115.39*	
23 21 13 23-0452	EA	6" x 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,011.07	417.76
		For Schedule 80 Or Extra Heavy Fittings, Add	*237.55*	
		For Work In Restricted Working Space, Add	*187.92*	
23 21 13 23-0453	EA	6" x 3" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,077.03	417.76
		For Schedule 80 Or Extra Heavy Fittings, Add	*257.34*	
		For Work In Restricted Working Space, Add	*187.92*	
23 21 13 23-0454	EA	8" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,682.83	581.17
		For Schedule 80 Or Extra Heavy Fittings, Add	*413.35*	
		For Work In Restricted Working Space, Add	*261.41*	
23 21 13 23-0455	EA	8" x 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,840.09	581.17
		For Schedule 80 Or Extra Heavy Fittings, Add	*460.53*	
		For Work In Restricted Working Space, Add	*261.41*	
23 21 13 23-0456	EA	10" x 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,292.91	664.29
		For Schedule 80 Or Extra Heavy Fittings, Add	*583.31*	
		For Work In Restricted Working Space, Add	*298.76*	
23 21 13 23-0457	EA	10" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,292.91	664.29
		For Schedule 80 Or Extra Heavy Fittings, Add	*583.31*	
		For Work In Restricted Working Space, Add	*298.76*	
23 21 13 23-0458	EA	12" x 10" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	3,735.98	885.65
		For Schedule 80 Or Extra Heavy Fittings, Add	*981.37*	
		For Work In Restricted Working Space, Add	*398.35*	
23 21 13 23-0459	EA	12" x 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	3,735.98	885.65
		For Schedule 80 Or Extra Heavy Fittings, Add	*981.37*	
		For Work In Restricted Working Space, Add	*398.35*	
23 21 13 23-0460	EA	12" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	4,163.74	885.65
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,109.70*	
		For Work In Restricted Working Space, Add	*398.35*	

23 21 13 23-0461 Welded Plain End Black Steel 45 Degree Elbows *(23 21 13 23-0393)*

23 21 13 23-0462	EA	3/4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	107.58	62.15
		For Schedule 80 Or Extra Heavy Fittings, Add	*22.49*	
		For Work In Restricted Working Space, Add	*27.95*	
23 21 13 23-0463	EA	1" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	110.87	64.35
		For Schedule 80 Or Extra Heavy Fittings, Add	*23.13*	
		For Work In Restricted Working Space, Add	*28.94*	
23 21 13 23-0464	EA	1-1/4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	125.12	73.88
		For Schedule 80 Or Extra Heavy Fittings, Add	*25.91*	
		For Work In Restricted Working Space, Add	*33.22*	
23 21 13 23-0465	EA	1-1/2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	133.88	79.70
		For Schedule 80 Or Extra Heavy Fittings, Add	*27.62*	
		For Work In Restricted Working Space, Add	*35.84*	
23 21 13 23-0466	EA	2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	168.97	103.04
		For Schedule 80 Or Extra Heavy Fittings, Add	*34.46*	
		For Work In Restricted Working Space, Add	*46.37*	
23 21 13 23-0467	EA	2-1/2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	210.79	129.46
		For Schedule 80 Or Extra Heavy Fittings, Add	*42.86*	
		For Work In Restricted Working Space, Add	*58.21*	
23 21 13 23-0468	EA	3" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	243.20	148.10
		For Schedule 80 Or Extra Heavy Fittings, Add	*49.64*	
		For Work In Restricted Working Space, Add	*66.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0469	EA	4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	418.73	255.96
		For Schedule 80 Or Extra Heavy Fittings, Add	*85.32*	
		For Work In Restricted Working Space, Add	*115.15*	
23 21 13 23-0470	EA	6" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	718.73	422.15
		For Schedule 80 Or Extra Heavy Fittings, Add	*149.16*	
		For Work In Restricted Working Space, Add	*189.87*	
23 21 13 23-0471	EA	8" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	1,030.66	581.17
		For Schedule 80 Or Extra Heavy Fittings, Add	*217.70*	
		For Work In Restricted Working Space, Add	*261.41*	
23 21 13 23-0472	EA	10" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	1,288.32	664.29
		For Schedule 80 Or Extra Heavy Fittings, Add	*281.93*	
		For Work In Restricted Working Space, Add	*298.76*	
23 21 13 23-0473	EA	12" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	1,724.65	867.52
		For Schedule 80 Or Extra Heavy Fittings, Add	*380.84*	
		For Work In Restricted Working Space, Add	*390.17*	
23 21 13 23-0474	EA	14" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	2,116.27	1,028.71
		For Schedule 80 Or Extra Heavy Fittings, Add	*472.94*	
		For Work In Restricted Working Space, Add	*462.68*	
23 21 13 23-0475	EA	16" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	2,582.34	1,198.38
		For Schedule 80 Or Extra Heavy Fittings, Add	*586.05*	
		For Work In Restricted Working Space, Add	*539.00*	
23 21 13 23-0476	EA	18" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	3,014.36	1,336.08
		For Schedule 80 Or Extra Heavy Fittings, Add	*693.97*	
		For Work In Restricted Working Space, Add	*600.95*	
23 21 13 23-0477	EA	20" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	3,734.95	1,499.85
		For Schedule 80 Or Extra Heavy Fittings, Add	*884.37*	
		For Work In Restricted Working Space, Add	*674.62*	
23 21 13 23-0478	EA	24" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	4,266.03	1,549.93
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,035.82*	
		For Work In Restricted Working Space, Add	*697.11*	

23 21 13 23-0479 Welded Plain End Black Steel Tee *(23 21 13 23-0393)*

23 21 13 23-0480	EA	3/4" Standard Weight, Welded Plain End Black Steel Tee	218.89	116.96
		For Schedule 80 Or Extra Heavy Fittings, Add	*47.25*	
		For Work In Restricted Working Space, Add	*52.62*	
23 21 13 23-0481	EA	1" Standard Weight, Welded Plain End Black Steel Tee	218.82	116.96
		For Schedule 80 Or Extra Heavy Fittings, Add	*47.24*	
		For Work In Restricted Working Space, Add	*52.60*	
23 21 13 23-0482	EA	1-1/4" Standard Weight, Welded Plain End Black Steel Tee	247.47	130.12
		For Schedule 80 Or Extra Heavy Fittings, Add	*53.76*	
		For Work In Restricted Working Space, Add	*58.52*	
23 21 13 23-0483	EA	1-1/2" Standard Weight, Welded Plain End Black Steel Tee	271.66	146.23
		For Schedule 80 Or Extra Heavy Fittings, Add	*58.48*	
		For Work In Restricted Working Space, Add	*65.77*	
23 21 13 23-0484	EA	2" Standard Weight, Welded Plain End Black Steel Tee	339.07	195.24
		For Schedule 80 Or Extra Heavy Fittings, Add	*70.99*	
		For Work In Restricted Working Space, Add	*87.81*	
23 21 13 23-0485	EA	2-1/2" Standard Weight, Welded Plain End Black Steel Tee	386.47	219.35
		For Schedule 80 Or Extra Heavy Fittings, Add	*81.41*	
		For Work In Restricted Working Space, Add	*98.66*	
23 21 13 23-0486	EA	3" Standard Weight, Welded Plain End Black Steel Tee	462.78	266.38
		For Schedule 80 Or Extra Heavy Fittings, Add	*96.94*	
		For Work In Restricted Working Space, Add	*119.71*	
23 21 13 23-0487	EA	4" Standard Weight, Welded Plain End Black Steel Tee	665.64	384.87
		For Schedule 80 Or Extra Heavy Fittings, Add	*139.11*	
		For Work In Restricted Working Space, Add	*173.08*	
23 21 13 23-0488	EA	6" Standard Weight, Welded Plain End Black Steel Tee	1,114.66	635.80
		For Schedule 80 Or Extra Heavy Fittings, Add	*234.31*	
		For Work In Restricted Working Space, Add	*285.96*	
23 21 13 23-0489	EA	8" Standard Weight, Welded Plain End Black Steel Tee	1,626.77	885.65
		For Schedule 80 Or Extra Heavy Fittings, Add	*348.61*	
		For Work In Restricted Working Space, Add	*398.35*	
23 21 13 23-0490	EA	10" Standard Weight, Welded Plain End Black Steel Tee	2,050.35	1,033.22
		For Schedule 80 Or Extra Heavy Fittings, Add	*452.45*	
		For Work In Restricted Working Space, Add	*464.74*	
23 21 13 23-0491	EA	12" Standard Weight, Welded Plain End Black Steel Tee	2,754.04	1,328.47
		For Schedule 80 Or Extra Heavy Fittings, Add	*617.08*	
		For Work In Restricted Working Space, Add	*597.52*	
23 21 13 23-0492	EA	14" Standard Weight, Welded Plain End Black Steel Tee	3,549.33	1,549.93
		For Schedule 80 Or Extra Heavy Fittings, Add	*820.81*	
		For Work In Restricted Working Space, Add	*697.11*	
23 21 13 23-0493	EA	16" Standard Weight, Welded Plain End Black Steel Tee	4,270.15	1,859.88
		For Schedule 80 Or Extra Heavy Fittings, Add	*988.26*	
		For Work In Restricted Working Space, Add	*836.53*	
23 21 13 23-0494	EA	18" Standard Weight, Welded Plain End Black Steel Tee	5,518.59	2,066.55
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,330.26*	
		For Work In Restricted Working Space, Add	*929.48*	
23 21 13 23-0495	EA	20" Standard Weight, Welded Plain End Black Steel Tee	7,222.22	2,324.91
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,800.69*	
		For Work In Restricted Working Space, Add	*1,045.66*	
23 21 13 23-0496	EA	24" Standard Weight, Welded Plain End Black Steel Tee	8,311.41	2,503.74
		For Schedule 80 Or Extra Heavy Fittings, Add	*2,099.29*	
		For Work In Restricted Working Space, Add	*1,126.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 21 13 23-0497 Welded Plain End Black Steel Reducing Tees *(23 21 13 23-0393)*

23 21 13 23-0498	EA	3/4" Standard Weight, Welded Plain End Black Steel Reducing Tee	213.40	113.35
		For Schedule 80 Or Extra Heavy Fittings, Add	*46.18*	
		For Work In Restricted Working Space, Add	*50.97*	
23 21 13 23-0499	EA	1" Standard Weight, Welded Plain End Black Steel Reducing Tee	218.82	116.96
		For Schedule 80 Or Extra Heavy Fittings, Add	*47.24*	
		For Work In Restricted Working Space, Add	*52.60*	
23 21 13 23-0500	EA	1-1/4" Standard Weight, Welded Plain End Black Steel Reducing Tee	244.69	130.12
		For Schedule 80 Or Extra Heavy Fittings, Add	*52.93*	
		For Work In Restricted Working Space, Add	*58.52*	
23 21 13 23-0501	EA	1-1/2" Standard Weight, Welded Plain End Black Steel Reducing Tee	268.88	146.23
		For Schedule 80 Or Extra Heavy Fittings, Add	*57.64*	
		For Work In Restricted Working Space, Add	*65.77*	
23 21 13 23-0502	EA	2" Standard Weight, Welded Plain End Black Steel Reducing Tee	345.32	195.24
		For Schedule 80 Or Extra Heavy Fittings, Add	*72.85*	
		For Work In Restricted Working Space, Add	*87.84*	
23 21 13 23-0503	EA	2-1/2" Standard Weight, Welded Plain End Black Steel Reducing Tee	386.60	219.45
		For Schedule 80 Or Extra Heavy Fittings, Add	*81.44*	
		For Work In Restricted Working Space, Add	*98.70*	
23 21 13 23-0504	EA	3" Standard Weight, Welded Plain End Black Steel Reducing Tee	463.07	266.38
		For Schedule 80 Or Extra Heavy Fittings, Add	*97.02*	
		For Work In Restricted Working Space, Add	*119.71*	
23 21 13 23-0505	EA	4" Standard Weight, Welded Plain End Black Steel Reducing Tee	666.05	384.87
		For Schedule 80 Or Extra Heavy Fittings, Add	*139.24*	
		For Work In Restricted Working Space, Add	*173.08*	
23 21 13 23-0506	EA	6" Standard Weight, Welded Plain End Black Steel Reducing Tee	1,115.36	635.80
		For Schedule 80 Or Extra Heavy Fittings, Add	*234.52*	
		For Work In Restricted Working Space, Add	*285.96*	
23 21 13 23-0507	EA	8" Standard Weight, Welded Plain End Black Steel Reducing Tee	1,628.11	885.65
		For Schedule 80 Or Extra Heavy Fittings, Add	*349.01*	
		For Work In Restricted Working Space, Add	*398.35*	
23 21 13 23-0508	EA	10" Standard Weight, Welded Plain End Black Steel Reducing Tee	2,052.64	1,033.22
		For Schedule 80 Or Extra Heavy Fittings, Add	*453.13*	
		For Work In Restricted Working Space, Add	*464.74*	
23 21 13 23-0509	EA	12" Standard Weight, Welded Plain End Black Steel Reducing Tee	2,757.51	1,328.47
		For Schedule 80 Or Extra Heavy Fittings, Add	*618.12*	
		For Work In Restricted Working Space, Add	*597.52*	
23 21 13 23-0510	EA	14" Standard Weight, Welded Plain End Black Steel Reducing Tee	3,554.90	1,549.93
		For Schedule 80 Or Extra Heavy Fittings, Add	*822.48*	
		For Work In Restricted Working Space, Add	*697.11*	
23 21 13 23-0511	EA	16" Standard Weight, Welded Plain End Black Steel Reducing Tee	4,276.89	1,859.88
		For Schedule 80 Or Extra Heavy Fittings, Add	*990.28*	
		For Work In Restricted Working Space, Add	*836.53*	
23 21 13 23-0512	EA	18" Standard Weight, Welded Plain End Black Steel Reducing Tee	5,529.62	2,066.55
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,333.57*	
		For Work In Restricted Working Space, Add	*929.48*	
23 21 13 23-0513	EA	20" Standard Weight, Welded Plain End Black Steel Reducing Tee	7,329.33	2,324.91
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,832.82*	
		For Work In Restricted Working Space, Add	*1,045.66*	
23 21 13 23-0514	EA	24" Standard Weight, Welded Plain End Black Steel Reducing Tee	8,789.84	2,503.74
		For Schedule 80 Or Extra Heavy Fittings, Add	*2,242.82*	
		For Work In Restricted Working Space, Add	*1,126.10*	

23 21 13 23-0515 Welded Plain End Black Steel Eccentric Reducers *(23 21 13 23-0393)*

23 21 13 23-0516	EA	1" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	136.56	71.29
		For Schedule 80 Or Extra Heavy Fittings, Add	*29.75*	
		For Work In Restricted Working Space, Add	*32.06*	
23 21 13 23-0517	EA	1-/4" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	146.97	78.22
		For Schedule 80 Or Extra Heavy Fittings, Add	*31.78*	
		For Work In Restricted Working Space, Add	*35.18*	
23 21 13 23-0518	EA	1-/4" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	144.25	76.41
		For Schedule 80 Or Extra Heavy Fittings, Add	*31.25*	
		For Work In Restricted Working Space, Add	*34.37*	
23 21 13 23-0519	EA	1-/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	159.58	86.63
		For Schedule 80 Or Extra Heavy Fittings, Add	*34.24*	
		For Work In Restricted Working Space, Add	*38.96*	
23 21 13 23-0520	EA	1-/2" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	151.91	81.51
		For Schedule 80 Or Extra Heavy Fittings, Add	*32.74*	
		For Work In Restricted Working Space, Add	*36.66*	
23 21 13 23-0521	EA	1-/2" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	149.17	79.70
		For Schedule 80 Or Extra Heavy Fittings, Add	*32.21*	
		For Work In Restricted Working Space, Add	*35.84*	
23 21 13 23-0522	EA	2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	173.08	103.43
		For Schedule 80 Or Extra Heavy Fittings, Add	*35.64*	
		For Work In Restricted Working Space, Add	*46.53*	
23 21 13 23-0523	EA	2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	179.29	100.14
		For Schedule 80 Or Extra Heavy Fittings, Add	*38.02*	
		For Work In Restricted Working Space, Add	*45.05*	
23 21 13 23-0524	EA	2" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	171.62	95.04
		For Schedule 80 Or Extra Heavy Fittings, Add	*36.53*	
		For Work In Restricted Working Space, Add	*42.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0525	EA	2-1/2" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	218.16	131.59
		For Schedule 80 Or Extra Heavy Fittings, Add	*44.73*	
		For Work In Restricted Working Space, Add	*59.19*	
23 21 13 23-0526	EA	2-1/2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	201.46	118.06
		For Schedule 80 Or Extra Heavy Fittings, Add	*41.85*	
		For Work In Restricted Working Space, Add	*53.10*	
23 21 13 23-0527	EA	2-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	216.32	114.77
		For Schedule 80 Or Extra Heavy Fittings, Add	*46.83*	
		For Work In Restricted Working Space, Add	*51.62*	
23 21 13 23-0528	EA	3" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	244.30	147.66
		For Schedule 80 Or Extra Heavy Fittings, Add	*50.04*	
		For Work In Restricted Working Space, Add	*66.44*	
23 21 13 23-0529	EA	3" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	245.91	147.66
		For Schedule 80 Or Extra Heavy Fittings, Add	*50.52*	
		For Work In Restricted Working Space, Add	*66.44*	
23 21 13 23-0530	EA	3" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	249.33	147.66
		For Schedule 80 Or Extra Heavy Fittings, Add	*51.55*	
		For Work In Restricted Working Space, Add	*66.44*	
23 21 13 23-0531	EA	4" x 3" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	414.50	256.51
		For Schedule 80 Or Extra Heavy Fittings, Add	*83.96*	
		For Work In Restricted Working Space, Add	*115.39*	
23 21 13 23-0532	EA	4" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	416.12	256.51
		For Schedule 80 Or Extra Heavy Fittings, Add	*84.45*	
		For Work In Restricted Working Space, Add	*115.39*	
23 21 13 23-0533	EA	4" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	420.98	256.51
		For Schedule 80 Or Extra Heavy Fittings, Add	*85.91*	
		For Work In Restricted Working Space, Add	*115.39*	
23 21 13 23-0534	EA	6" x 4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	687.92	417.76
		For Schedule 80 Or Extra Heavy Fittings, Add	*140.60*	
		For Work In Restricted Working Space, Add	*187.92*	
23 21 13 23-0535	EA	6" x 3" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	722.81	417.76
		For Schedule 80 Or Extra Heavy Fittings, Add	*151.07*	
		For Work In Restricted Working Space, Add	*187.92*	
23 21 13 23-0536	EA	8" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,031.65	635.80
		For Schedule 80 Or Extra Heavy Fittings, Add	*209.41*	
		For Work In Restricted Working Space, Add	*285.97*	
23 21 13 23-0537	EA	8" x 4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,096.58	635.80
		For Schedule 80 Or Extra Heavy Fittings, Add	*228.89*	
		For Work In Restricted Working Space, Add	*285.97*	
23 21 13 23-0538	EA	10" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,198.91	731.17
		For Schedule 80 Or Extra Heavy Fittings, Add	*244.57*	
		For Work In Restricted Working Space, Add	*328.86*	
23 21 13 23-0539	EA	10" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,276.98	731.17
		For Schedule 80 Or Extra Heavy Fittings, Add	*267.99*	
		For Work In Restricted Working Space, Add	*328.86*	
23 21 13 23-0540	EA	10" x 4" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	1,379.69	731.17
		For Schedule 80 Or Extra Heavy Fittings, Add	*298.81*	
		For Concentric Reducers, Deduct	*-90.72*	
		For Work In Restricted Working Space, Add	*328.86*	
23 21 13 23-0541	EA	12" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,485.56	883.93
		For Schedule 80 Or Extra Heavy Fittings, Add	*306.51*	
		For Work In Restricted Working Space, Add	*397.59*	
23 21 13 23-0542	EA	12" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,576.76	883.93
		For Schedule 80 Or Extra Heavy Fittings, Add	*333.87*	
		For Work In Restricted Working Space, Add	*397.59*	
23 21 13 23-0543	EA	12" x 6" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	1,730.93	883.93
		For Schedule 80 Or Extra Heavy Fittings, Add	*380.12*	
		For Concentric Reducers, Deduct	*-129.80*	
		For Work In Restricted Working Space, Add	*397.59*	
23 21 13 23-0544	EA	12" x 4" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	1,482.99	883.93
		For Schedule 80 Or Extra Heavy Fittings, Add	*305.74*	
		For Concentric Reducers, Deduct	*-50.46*	
		For Work In Restricted Working Space, Add	*397.59*	
23 21 13 23-0545	EA	14" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,830.46	1,033.22
		For Schedule 80 Or Extra Heavy Fittings, Add	*386.48*	
		For Work In Restricted Working Space, Add	*464.74*	
23 21 13 23-0546	EA	14" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,878.49	1,033.22
		For Schedule 80 Or Extra Heavy Fittings, Add	*400.89*	
		For Work In Restricted Working Space, Add	*464.74*	
23 21 13 23-0547	EA	14" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	2,357.30	1,033.22
		For Schedule 80 Or Extra Heavy Fittings, Add	*544.53*	
		For Work In Restricted Working Space, Add	*464.74*	
23 21 13 23-0548	EA	16" x 14" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	2,173.04	1,162.45
		For Schedule 80 Or Extra Heavy Fittings, Add	*468.92*	
		For Work In Restricted Working Space, Add	*522.83*	
23 21 13 23-0549	EA	16" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	2,314.43	1,162.45
		For Schedule 80 Or Extra Heavy Fittings, Add	*511.34*	
		For Work In Restricted Working Space, Add	*522.83*	
23 21 13 23-0550	EA	16" x 10" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	2,369.47	1,162.45
		For Schedule 80 Or Extra Heavy Fittings, Add	*527.85*	
		For Concentric Reducers, Deduct	*-200.54*	
		For Work In Restricted Working Space, Add	*522.83*	
23 21 13 23-0551	EA	16" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	2,989.51	1,162.45
		For Schedule 80 Or Extra Heavy Fittings, Add	*713.86*	
		For Work In Restricted Working Space, Add	*522.83*	

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23 21 13 23-0552	EA	16" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	3,298.05	1,162.45
		For Schedule 80 Or Extra Heavy Fittings, Add	*806.42*	
		For Work In Restricted Working Space, Add	*522.83*	
23 21 13 23-0553	EA	18" x 16" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	2,766.82	1,328.47
		For Schedule 80 Or Extra Heavy Fittings, Add	*620.91*	
		For Work In Restricted Working Space, Add	*597.52*	
23 21 13 23-0554	EA	18" x 14" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	2,130.71	1,328.47
		For Schedule 80 Or Extra Heavy Fittings, Add	*430.08*	
		For Concentric Reducers, Deduct	*-44.47*	
		For Work In Restricted Working Space, Add	*597.52*	
23 21 13 23-0555	EA	18" x 12" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	2,841.12	1,328.47
		For Schedule 80 Or Extra Heavy Fittings, Add	*643.20*	
		For Concentric Reducers, Deduct	*-271.80*	
		For Work In Restricted Working Space, Add	*597.52*	
23 21 13 23-0556	EA	18" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	2,950.66	1,328.47
		For Schedule 80 Or Extra Heavy Fittings, Add	*676.07*	
		For Work In Restricted Working Space, Add	*597.52*	
23 21 13 23-0557	EA	18" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	3,876.76	1,328.47
		For Schedule 80 Or Extra Heavy Fittings, Add	*953.90*	
		For Work In Restricted Working Space, Add	*597.52*	
23 21 13 23-0558	EA	20" x 18" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	3,222.23	1,499.85
		For Schedule 80 Or Extra Heavy Fittings, Add	*730.55*	
		For Concentric Reducers, Deduct	*-311.52*	
		For Work In Restricted Working Space, Add	*674.62*	
23 21 13 23-0559	EA	20" x 16" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	3,219.72	1,499.85
		For Schedule 80 Or Extra Heavy Fittings, Add	*729.80*	
		For Concentric Reducers, Deduct	*-310.72*	
		For Work In Restricted Working Space, Add	*674.62*	
23 21 13 23-0560	EA	20" x 14" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	4,444.87	1,499.85
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,097.34*	
		For Concentric Reducers, Deduct	*-702.76*	
		For Work In Restricted Working Space, Add	*674.62*	
23 21 13 23-0561	EA	20" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	4,936.29	1,499.85
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,244.77*	
		For Work In Restricted Working Space, Add	*674.62*	
23 21 13 23-0562	EA	20" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	5,673.45	1,499.85
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,465.92*	
		For Work In Restricted Working Space, Add	*674.62*	
23 21 13 23-0563	EA	24" x 20" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	3,600.11	1,549.93
		For Schedule 80 Or Extra Heavy Fittings, Add	*836.05*	
		For Concentric Reducers, Deduct	*-408.45*	
		For Work In Restricted Working Space, Add	*697.11*	
23 21 13 23-0564	EA	24" x 18" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	3,748.63	1,549.93
		For Schedule 80 Or Extra Heavy Fittings, Add	*880.60*	
		For Concentric Reducers, Deduct	*-455.98*	
		For Work In Restricted Working Space, Add	*697.11*	
23 21 13 23-0565	EA	24" x 16" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	4,438.70	1,549.93
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,087.62*	
		For Concentric Reducers, Deduct	*-676.80*	
		For Work In Restricted Working Space, Add	*697.11*	
23 21 13 23-0566	EA	24" x 14" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	5,722.85	1,549.93
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,472.87*	
		For Work In Restricted Working Space, Add	*697.11*	
23 21 13 23-0567	EA	24" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	6,685.73	1,549.93
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,761.73*	
		For Work In Restricted Working Space, Add	*697.11*	

23 21 13 23-0568 Welded Plain End Black Steel Concentric Reducers *(23 21 13 23-0393)*

23 21 13 23-0569	EA	1" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	128.78	71.29
		For Schedule 80 Or Extra Heavy Fittings, Add	*27.41*	
		For Work In Restricted Working Space, Add	*32.06*	
23 21 13 23-0570	EA	1-/4" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	139.19	78.22
		For Schedule 80 Or Extra Heavy Fittings, Add	*29.44*	
		For Work In Restricted Working Space, Add	*35.18*	
23 21 13 23-0571	EA	1-/4" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	136.47	76.41
		For Schedule 80 Or Extra Heavy Fittings, Add	*28.91*	
		For Work In Restricted Working Space, Add	*34.37*	
23 21 13 23-0572	EA	1-/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	151.80	86.63
		For Schedule 80 Or Extra Heavy Fittings, Add	*31.90*	
		For Work In Restricted Working Space, Add	*38.96*	
23 21 13 23-0573	EA	1-/2" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	144.13	81.51
		For Schedule 80 Or Extra Heavy Fittings, Add	*30.41*	
		For Work In Restricted Working Space, Add	*36.66*	
23 21 13 23-0574	EA	1-/2" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	141.39	79.70
		For Schedule 80 Or Extra Heavy Fittings, Add	*29.87*	
		For Work In Restricted Working Space, Add	*35.84*	
23 21 13 23-0575	EA	2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	169.12	103.43
		For Schedule 80 Or Extra Heavy Fittings, Add	*34.45*	
		For Work In Restricted Working Space, Add	*46.53*	
23 21 13 23-0576	EA	2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	164.18	100.14
		For Schedule 80 Or Extra Heavy Fittings, Add	*33.49*	
		For Work In Restricted Working Space, Add	*45.05*	

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23 21 13 23-0577	EA	2" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	161.91	95.04
		For Schedule 80 Or Extra Heavy Fittings, Add	*33.61*	
		For Work In Restricted Working Space, Add	*42.74*	
23 21 13 23-0578	EA	2-1/2" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	215.28	131.59
		For Schedule 80 Or Extra Heavy Fittings, Add	*43.87*	
		For Work In Restricted Working Space, Add	*59.19*	
23 21 13 23-0579	EA	2-1/2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	199.85	118.06
		For Schedule 80 Or Extra Heavy Fittings, Add	*41.37*	
		For Work In Restricted Working Space, Add	*53.10*	
23 21 13 23-0580	EA	2-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	202.65	114.77
		For Schedule 80 Or Extra Heavy Fittings, Add	*42.73*	
		For Work In Restricted Working Space, Add	*51.62*	
23 21 13 23-0581	EA	3" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	236.02	147.66
		For Schedule 80 Or Extra Heavy Fittings, Add	*47.55*	
		For Work In Restricted Working Space, Add	*66.44*	
23 21 13 23-0582	EA	3" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	237.10	147.66
		For Schedule 80 Or Extra Heavy Fittings, Add	*47.88*	
		For Work In Restricted Working Space, Add	*66.44*	
23 21 13 23-0583	EA	3" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	239.44	147.66
		For Schedule 80 Or Extra Heavy Fittings, Add	*48.58*	
		For Work In Restricted Working Space, Add	*66.44*	
23 21 13 23-0584	EA	4" x 3" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	403.35	256.51
		For Schedule 80 Or Extra Heavy Fittings, Add	*80.62*	
		For Work In Restricted Working Space, Add	*115.39*	
23 21 13 23-0585	EA	4" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	407.49	256.51
		For Schedule 80 Or Extra Heavy Fittings, Add	*81.86*	
		For Work In Restricted Working Space, Add	*115.39*	
23 21 13 23-0586	EA	4" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	407.49	256.51
		For Schedule 80 Or Extra Heavy Fittings, Add	*81.86*	
		For Work In Restricted Working Space, Add	*115.39*	
23 21 13 23-0587	EA	6" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	665.62	417.76
		For Schedule 80 Or Extra Heavy Fittings, Add	*133.91*	
		For Work In Restricted Working Space, Add	*187.92*	
23 21 13 23-0588	EA	6" x 3" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	673.89	417.76
		For Schedule 80 Or Extra Heavy Fittings, Add	*136.40*	
		For Work In Restricted Working Space, Add	*187.92*	
23 21 13 23-0589	EA	8" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,004.67	635.80
		For Schedule 80 Or Extra Heavy Fittings, Add	*201.31*	
		For Work In Restricted Working Space, Add	*285.97*	
23 21 13 23-0590	EA	8" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,019.42	635.80
		For Schedule 80 Or Extra Heavy Fittings, Add	*205.74*	
		For Work In Restricted Working Space, Add	*285.97*	
23 21 13 23-0591	EA	10" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,196.03	731.17
		For Schedule 80 Or Extra Heavy Fittings, Add	*243.71*	
		For Work In Restricted Working Space, Add	*328.86*	
23 21 13 23-0592	EA	10" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,189.92	731.17
		For Schedule 80 Or Extra Heavy Fittings, Add	*241.88*	
		For Work In Restricted Working Space, Add	*328.86*	
23 21 13 23-0593	EA	10" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,266.91	731.17
		For Schedule 80 Or Extra Heavy Fittings, Add	*264.97*	
		For Work In Restricted Working Space, Add	*328.86*	
23 21 13 23-0594	EA	12" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,448.69	883.93
		For Schedule 80 Or Extra Heavy Fittings, Add	*295.45*	
		For Work In Restricted Working Space, Add	*397.59*	
23 21 13 23-0595	EA	12" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,467.17	883.93
		For Schedule 80 Or Extra Heavy Fittings, Add	*301.00*	
		For Work In Restricted Working Space, Add	*397.59*	
23 21 13 23-0596	EA	12" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,473.87	883.93
		For Schedule 80 Or Extra Heavy Fittings, Add	*303.01*	
		For Work In Restricted Working Space, Add	*397.59*	
23 21 13 23-0597	EA	12" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,670.12	883.93
		For Schedule 80 Or Extra Heavy Fittings, Add	*361.88*	
		For Work In Restricted Working Space, Add	*397.59*	
23 21 13 23-0598	EA	14" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,734.76	1,033.22
		For Schedule 80 Or Extra Heavy Fittings, Add	*357.77*	
		For Work In Restricted Working Space, Add	*464.74*	
23 21 13 23-0599	EA	14" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,803.30	1,033.22
		For Schedule 80 Or Extra Heavy Fittings, Add	*378.33*	
		For Work In Restricted Working Space, Add	*464.74*	
23 21 13 23-0600	EA	14" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,862.84	1,033.22
		For Schedule 80 Or Extra Heavy Fittings, Add	*396.19*	
		For Work In Restricted Working Space, Add	*464.74*	
23 21 13 23-0601	EA	14" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,092.95	1,033.22
		For Schedule 80 Or Extra Heavy Fittings, Add	*465.23*	
		For Work In Restricted Working Space, Add	*464.74*	
23 21 13 23-0602	EA	16" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,067.63	1,162.45
		For Schedule 80 Or Extra Heavy Fittings, Add	*437.30*	
		For Work In Restricted Working Space, Add	*522.83*	
23 21 13 23-0603	EA	16" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,067.63	1,162.45
		For Schedule 80 Or Extra Heavy Fittings, Add	*437.30*	
		For Work In Restricted Working Space, Add	*522.83*	
23 21 13 23-0604	EA	16" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,101.81	1,162.45
		For Schedule 80 Or Extra Heavy Fittings, Add	*447.55*	
		For Work In Restricted Working Space, Add	*522.83*	

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23 21 13 23-0605	EA	16" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,215.31	1,162.45
		For Schedule 80 Or Extra Heavy Fittings, Add	*481.60*	
		For Work In Restricted Working Space, Add	*522.83*	
23 21 13 23-0606	EA	16" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,685.37	1,162.45
		For Schedule 80 Or Extra Heavy Fittings, Add	*622.62*	
		For Work In Restricted Working Space, Add	*522.83*	
23 21 13 23-0607	EA	18" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,346.63	1,328.47
		For Schedule 80 Or Extra Heavy Fittings, Add	*494.86*	
		For Work In Restricted Working Space, Add	*597.52*	
23 21 13 23-0608	EA	18" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,434.23	1,328.47
		For Schedule 80 Or Extra Heavy Fittings, Add	*521.14*	
		For Work In Restricted Working Space, Add	*597.52*	
23 21 13 23-0609	EA	18" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,470.93	1,328.47
		For Schedule 80 Or Extra Heavy Fittings, Add	*532.15*	
		For Work In Restricted Working Space, Add	*597.52*	
23 21 13 23-0610	EA	18" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,570.76	1,328.47
		For Schedule 80 Or Extra Heavy Fittings, Add	*562.10*	
		For Work In Restricted Working Space, Add	*597.52*	
23 21 13 23-0611	EA	18" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,717.99	1,328.47
		For Schedule 80 Or Extra Heavy Fittings, Add	*906.27*	
		For Work In Restricted Working Space, Add	*597.52*	
23 21 13 23-0612	EA	20" x 18" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,857.80	1,499.85
		For Schedule 80 Or Extra Heavy Fittings, Add	*621.22*	
		For Work In Restricted Working Space, Add	*674.62*	
23 21 13 23-0613	EA	20" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,857.80	1,499.85
		For Schedule 80 Or Extra Heavy Fittings, Add	*621.22*	
		For Work In Restricted Working Space, Add	*674.62*	
23 21 13 23-0614	EA	20" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,882.80	1,499.85
		For Schedule 80 Or Extra Heavy Fittings, Add	*628.72*	
		For Work In Restricted Working Space, Add	*674.62*	
23 21 13 23-0615	EA	20" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,030.84	1,499.85
		For Schedule 80 Or Extra Heavy Fittings, Add	*673.14*	
		For Work In Restricted Working Space, Add	*674.62*	
23 21 13 23-0616	EA	20" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,288.42	1,499.85
		For Schedule 80 Or Extra Heavy Fittings, Add	*750.41*	
		For Work In Restricted Working Space, Add	*674.62*	
23 21 13 23-0617	EA	24" x 20" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,012.63	1,549.93
		For Schedule 80 Or Extra Heavy Fittings, Add	*659.80*	
		For Work In Restricted Working Space, Add	*697.11*	
23 21 13 23-0618	EA	24" x 18" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,028.27	1,549.93
		For Schedule 80 Or Extra Heavy Fittings, Add	*664.49*	
		For Work In Restricted Working Space, Add	*697.11*	
23 21 13 23-0619	EA	24" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,058.85	1,549.93
		For Schedule 80 Or Extra Heavy Fittings, Add	*673.67*	
		For Work In Restricted Working Space, Add	*697.11*	
23 21 13 23-0620	EA	24" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,766.85	1,549.93
		For Schedule 80 Or Extra Heavy Fittings, Add	*886.07*	
		For Work In Restricted Working Space, Add	*697.11*	
23 21 13 23-0621	EA	24" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,906.62	1,549.93
		For Schedule 80 Or Extra Heavy Fittings, Add	*928.00*	
		For Work In Restricted Working Space, Add	*697.11*	

23 21 13 23-0622 Welded Plain End Black Steel Caps *(23 21 13 23-0393)*

23 21 13 23-0623	EA	1" Standard Weight, Welded Plain End Black Steel Cap	64.03	36.61
		For Schedule 80 Fittings, Add	*12.36*	
		For Work In Restricted Working Space, Add	*16.44*	
23 21 13 23-0624	EA	1-1/4" Standard Weight, Welded Plain End Black Steel Cap	70.09	40.23
		For Schedule 80 Fittings, Add	*13.49*	
		For Work In Restricted Working Space, Add	*18.09*	
23 21 13 23-0625	EA	1-1/2" Standard Weight, Welded Plain End Black Steel Cap	72.86	41.65
		For Schedule 80 Fittings, Add	*14.05*	
		For Work In Restricted Working Space, Add	*18.75*	
23 21 13 23-0626	EA	2" Standard Weight, Welded Plain End Black Steel Cap	90.93	53.38
		For Schedule 80 Fittings, Add	*17.27*	
		For Work In Restricted Working Space, Add	*24.01*	
23 21 13 23-0627	EA	2-1/2" Standard Weight, Welded Plain End Black Steel Cap	107.88	64.35
		For Schedule 80 Fittings, Add	*20.31*	
		For Work In Restricted Working Space, Add	*28.94*	
23 21 13 23-0628	EA	3" Standard Weight, Welded Plain End Black Steel Cap	126.27	74.22
		For Schedule 80 Fittings, Add	*23.97*	
		For Work In Restricted Working Space, Add	*33.39*	
23 21 13 23-0629	EA	4" Standard Weight, Welded Plain End Black Steel Cap	212.25	128.25
		For Schedule 80 Fittings, Add	*39.64*	
		For Work In Restricted Working Space, Add	*57.70*	
23 21 13 23-0630	EA	6" Standard Weight, Welded Plain End Black Steel Cap	355.58	211.89
		For Schedule 80 Fittings, Add	*66.96*	
		For Work In Restricted Working Space, Add	*95.32*	
23 21 13 23-0631	EA	8" Standard Weight, Welded Plain End Black Steel Cap	502.13	297.07
		For Schedule 80 Fittings, Add	*94.97*	
		For Work In Restricted Working Space, Add	*133.60*	
23 21 13 23-0632	EA	10" Standard Weight, Welded Plain End Black Steel Cap	661.80	375.01
		For Schedule 80 Fittings, Add	*128.27*	
		For Work In Restricted Working Space, Add	*168.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0633	EA	12" Standard Weight, Welded Plain End Black Steel Cap	773.07	432.53
		For Schedule 80 Fittings, Add	*150.86*	
		For Work In Restricted Working Space, Add	*194.54*	
23 21 13 23-0634	EA	14" Standard Weight, Welded Plain End Black Steel Cap	1,008.77	516.61
		For Schedule 80 Fittings, Add	*205.81*	
		For Work In Restricted Working Space, Add	*232.37*	
23 21 13 23-0635	EA	16" Standard Weight, Welded Plain End Black Steel Cap	1,171.56	599.94
		For Schedule 80 Fittings, Add	*239.03*	
		For Work In Restricted Working Space, Add	*269.85*	
23 21 13 23-0636	EA	18" Standard Weight, Welded Plain End Black Steel Cap	1,308.76	664.29
		For Schedule 80 Fittings, Add	*268.15*	
		For Work In Restricted Working Space, Add	*298.76*	

23 21 13 23-0637 150 Lb., Welded Plain End Black Steel Neck Flanges *(23 21 13 23-0393)*

Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.

23 21 13 23-0638	EA	2", 150 Lb., Welded Plain End Black Steel Neck Flange	162.67	82.66
		For 300 Lb. Rating, Add	*40.14*	
		For Work In Restricted Working Space, Add	*37.18*	
23 21 13 23-0639	EA	2-1/2", 150 Lb., Welded Plain End Black Steel Neck Flange	193.38	103.16
		For 300 Lb. Rating, Add	*43.36*	
		For Work In Restricted Working Space, Add	*46.39*	
23 21 13 23-0640	EA	3", 150 Lb., Welded Plain End Black Steel Neck Flange	215.60	117.95
		For 300 Lb. Rating, Add	*45.72*	
		For Work In Restricted Working Space, Add	*53.04*	
23 21 13 23-0641	EA	4", 150 Lb., Welded Plain End Black Steel Neck Flange	282.65	155.55
		For 300 Lb. Rating, Add	*59.08*	
		For Work In Restricted Working Space, Add	*69.97*	
23 21 13 23-0642	EA	6", 150 Lb., Welded Plain End Black Steel Neck Flange	429.65	235.91
		For 300 Lb. Rating, Add	*90.36*	
		For Work In Restricted Working Space, Add	*106.08*	
23 21 13 23-0643	EA	8", 150 Lb., Welded Plain End Black Steel Neck Flange	495.90	251.39
		For 300 Lb. Rating, Add	*122.93*	
		For Work In Restricted Working Space, Add	*113.04*	
23 21 13 23-0644	EA	10" , 150 Lb., Welded Plain End Black Steel Neck Flange	646.62	315.20
		For 300 Lb. Rating, Add	*171.43*	
		For Work In Restricted Working Space, Add	*141.79*	
23 21 13 23-0645	EA	12" , 150 Lb., Welded Plain End Black Steel Neck Flange	789.94	357.67
		For 300 Lb. Rating, Add	*233.90*	
		For Work In Restricted Working Space, Add	*160.87*	
23 21 13 23-0646	EA	14" , 150 Lb., Welded Plain End Black Steel Neck Flange	1,033.62	432.53
		For 300 Lb. Rating, Add	*337.69*	
		For Work In Restricted Working Space, Add	*194.54*	
23 21 13 23-0647	EA	16", 150 Lb., Welded Plain End Black Steel Neck Flange	1,355.37	502.66
		For 300 Lb. Rating, Add	*500.35*	
		For Work In Restricted Working Space, Add	*226.09*	
23 21 13 23-0648	EA	18", 150 Lb., Welded Plain End Black Steel Neck Flange	1,680.36	563.58
		For 300 Lb. Rating, Add	*673.49*	
		For Work In Restricted Working Space, Add	*253.49*	
23 21 13 23-0649	EA	20", 150 Lb., Welded Plain End Black Steel Neck Flange	2,130.53	715.33
		For 300 Lb. Rating, Add	*853.25*	
		For Work In Restricted Working Space, Add	*321.74*	
23 21 13 23-0650	EA	24", 150 Lb., Welded Plain End Black Steel Neck Flange	2,418.25	774.97
		For 300 Lb. Rating, Add	*1,001.48*	
		For Work In Restricted Working Space, Add	*348.55*	

23 21 13 23-0651 150 Lb., Welded Black Steel Slip-On Flanges *(23 21 13 23-0393)*

Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.

23 21 13 23-0652	EA	2", 150 Lb., Welded Black Steel Slip-On Flanges	119.45	82.66
		For 300 Lb. Rating, Add	*29.07*	
		For Work In Restricted Working Space, Add	*29.60*	
23 21 13 23-0653	EA	2-1/2", 150 Lb., Welded Black Steel Slip-On Flange	147.27	103.16
		For 300 Lb. Rating, Add	*36.68*	
		For Work In Restricted Working Space, Add	*36.17*	
23 21 13 23-0654	EA	3", 150 Lb., Welded Black Steel Slip-On Flange	173.91	117.95
		For 300 Lb. Rating, Add	*43.23*	
		For Work In Restricted Working Space, Add	*42.75*	
23 21 13 23-0655	EA	4", 150 Lb., Welded Black Steel Slip-On Flange	229.22	155.55
		For 300 Lb. Rating, Add	*58.14*	
		For Work In Restricted Working Space, Add	*55.91*	
23 21 13 23-0656	EA	6", 150 Lb., Welded Black Steel Slip-On Flange	340.00	235.91
		For 300 Lb. Rating, Add	*88.13*	
		For Work In Restricted Working Space, Add	*82.22*	
23 21 13 23-0657	EA	8", 150 Lb., Welded Black Steel Slip-On Flange	443.53	251.39
		For 300 Lb. Rating, Add	*126.34*	
		For Work In Restricted Working Space, Add	*102.96*	
23 21 13 23-0658	EA	10", 150 Lb., Welded Black Steel Slip-On Flange	602.21	315.20
		For 300 Lb. Rating, Add	*200.94*	
		For Work In Restricted Working Space, Add	*128.70*	
23 21 13 23-0659	EA	12", 150 Lb., Welded Black Steel Slip-On Flange	788.08	357.67
		For 300 Lb. Rating, Add	*300.02*	
		For Work In Restricted Working Space, Add	*154.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0660	EA	14", 150 Lb., Welded Black Steel Slip-On Flange	999.88	432.53
		For 300 Lb. Rating, Add	*422.43*	
		For Work In Restricted Working Space, Add	*180.17*	
23 21 13 23-0661	EA	16", 150 Lb., Welded Black Steel Slip-On Flange	1,202.55	502.66
		For 300 Lb. Rating, Add	*553.68*	
		For Work In Restricted Working Space, Add	*199.48*	
23 21 13 23-0662	EA	18", 150 Lb., Welded Black Steel Slip-On Flange	1,332.08	563.58
		For 300 Lb. Rating, Add	*619.09*	
		For Work In Restricted Working Space, Add	*218.78*	
23 21 13 23-0663	EA	20", 150 Lb., Welded Black Steel Slip-On Flange	1,478.81	715.33
		For 300 Lb. Rating, Add	*699.99*	
		For Work In Restricted Working Space, Add	*238.09*	
23 21 13 23-0664	EA	24", 150 Lb., Welded Black Steel Slip-On Flange	1,692.18	774.97
		For 300 Lb. Rating, Add	*789.72*	
		For Work In Restricted Working Space, Add	*276.70*	

23 21 13 23-0665 150 Lb., Forged Steel Blind Flanges *(23 21 13 23-0393)*

23 21 13 23-0666	EA	2", 150 Lb., Forged Steel Blind Flange	80.42	29.28
		For 300 Lb. Rating, Add	*23.64*	
		For 600 Lb. Rating, Add	*61.27*	
		For Work In Restricted Working Space, Add	*17.57*	
23 21 13 23-0667	EA	2-1/2", 150 Lb., Forged Steel Blind Flange	105.72	35.13
		For 300 Lb. Rating, Add	*35.75*	
		For 600 Lb. Rating, Add	*95.64*	
		For Work In Restricted Working Space, Add	*21.08*	
23 21 13 23-0668	EA	3", 150 Lb., Forged Steel Blind Flange	130.36	46.85
		For 300 Lb. Rating, Add	*39.18*	
		For 600 Lb. Rating, Add	*102.08*	
		For Work In Restricted Working Space, Add	*28.10*	
23 21 13 23-0669	EA	4", 150 Lb., Forged Steel Blind Flange	167.65	58.55
		For 300 Lb. Rating, Add	*52.74*	
		For 600 Lb. Rating, Add	*138.89*	
		For Work In Restricted Working Space, Add	*35.13*	
23 21 13 23-0670	EA	6", 150 Lb., Forged Steel Blind Flange	228.84	76.12
		For 300 Lb. Rating, Add	*77.27*	
		For 600 Lb. Rating, Add	*206.70*	
		For Work In Restricted Working Space, Add	*45.67*	
23 21 13 23-0671	EA	8", 150 Lb., Forged Steel Blind Flange	297.18	87.83
		For 300 Lb. Rating, Add	*115.66*	
		For 600 Lb. Rating, Add	*318.00*	
		For Work In Restricted Working Space, Add	*52.70*	
23 21 13 23-0672	EA	10", 150 Lb., Forged Steel Blind Flange	448.07	105.39
		For 300 Lb. Rating, Add	*211.96*	
		For 600 Lb. Rating, Add	*601.11*	
		For Work In Restricted Working Space, Add	*63.23*	
23 21 13 23-0673	EA	12", 150 Lb., Forged Steel Blind Flange	581.77	122.96
		For 300 Lb. Rating, Add	*294.51*	
		For 600 Lb. Rating, Add	*842.95*	
		For Work In Restricted Working Space, Add	*73.77*	
23 21 13 23-0674	EA	14", 150 Lb., Forged Steel Blind Flange	972.56	140.53
		For 300 Lb. Rating, Add	*582.73*	
		For Work In Restricted Working Space, Add	*84.31*	
23 21 13 23-0675	EA	16", 150 Lb., Forged Steel Blind Flange	1,045.07	158.09
		For 300 Lb. Rating, Add	*616.32*	
		For Work In Restricted Working Space, Add	*94.85*	
23 21 13 23-0676	EA	18", 150 Lb., Forged Steel Blind Flange	1,178.12	193.21
		For 300 Lb. Rating, Add	*673.92*	
		For Work In Restricted Working Space, Add	*115.93*	
23 21 13 23-0677	EA	20", 150 Lb., Forged Steel Blind Flange	1,505.52	210.78
		For 300 Lb. Rating, Add	*911.42*	
		For Work In Restricted Working Space, Add	*126.47*	
23 21 13 23-0678	EA	24", 150 Lb., Forged Steel Blind Flange	2,043.69	245.91
		For 300 Lb. Rating, Add	*1,293.13*	
		For Work In Restricted Working Space, Add	*147.55*	

23 21 13 23-0679 3,000 Lb., Forge Steel Thread-O-Lets *(23 21 13 23-0393)*

23 21 13 23-0680	EA	1/2", 3,000 Lb., Forge Steel Thread-O-Let	75.97	
		For Work In Restricted Working Space, Add	*20.72*	
23 21 13 23-0681	EA	3/4", 3,000 Lb., Forge Steel Thread-O-Let	80.46	
		For Work In Restricted Working Space, Add	*21.71*	
23 21 13 23-0682	EA	1", 3,000 Lb., Forge Steel Thread-O-Let	85.84	
		For Work In Restricted Working Space, Add	*23.02*	
23 21 13 23-0683	EA	1-1/4", 3,000 Lb., Forge Steel Thread-O-Let	95.12	
		For Work In Restricted Working Space, Add	*24.67*	
23 21 13 23-0684	EA	1-1/2", 3,000 Lb., Forge Steel Thread-O-Let	106.73	
		For Work In Restricted Working Space, Add	*27.95*	
23 21 13 23-0685	EA	2", 3,000 Lb., Forge Steel Thread-O-Let	137.93	
		For Work In Restricted Working Space, Add	*36.54*	
23 21 13 23-0686	EA	2-1/2", 3,000 Lb., Forge Steel Thread-O-Let	215.15	
		For Work In Restricted Working Space, Add	*46.98*	
23 21 13 23-0687	EA	3", 3,000 Lb., Forge Steel Thread-O-Let	296.69	
		For Work In Restricted Working Space, Add	*65.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0688	EA	4", 3,000 Lb., Forge Steel Thread-O-Let	395.09	
		For Work In Restricted Working Space, Add	*82.22*	

23 21 13 23-0689 3,000 Lb., Forge Steel Weld-O-Lets *(23 21 13 23-0393)*

23 21 13 23-0690	EA	1/2", 3,000 Lb., Forge Steel Weld-O-Let	89.48	
		For Work In Restricted Working Space, Add	*23.91*	
23 21 13 23-0691	EA	3/4", 3,000 Lb., Forge Steel Weld-O-Let	95.01	
		For Work In Restricted Working Space, Add	*25.06*	
23 21 13 23-0692	EA	1", 3,000 Lb., Forge Steel Weld-O-Let	100.58	
		For Work In Restricted Working Space, Add	*26.31*	
23 21 13 23-0693	EA	1-1/4", 3,000 Lb., Forge Steel Weld-O-Let	115.71	
		For Work In Restricted Working Space, Add	*29.24*	
23 21 13 23-0694	EA	1-1/2", 3,000 Lb., Forge Steel Weld-O-Let	128.79	
		For Work In Restricted Working Space, Add	*32.89*	
23 21 13 23-0695	EA	2", 3,000 Lb., Forge Steel Weld-O-Let	171.99	
		For Work In Restricted Working Space, Add	*43.84*	
23 21 13 23-0696	EA	2-1/2", 3,000 Lb., Forge Steel Weld-O-Let	258.26	
		For Work In Restricted Working Space, Add	*52.62*	
23 21 13 23-0697	EA	3", 3,000 Lb., Forge Steel Weld-O-Let	339.82	
		For Work In Restricted Working Space, Add	*69.06*	
23 21 13 23-0698	EA	4", 3,000 Lb., Forge Steel Weld-O-Let	463.68	
		For Work In Restricted Working Space, Add	*87.71*	
23 21 13 23-0699	EA	6", 3,000 Lb., Forge Steel Weld-O-Let	665.71	
		For Work In Restricted Working Space, Add	*131.54*	
23 21 13 23-0700	EA	8", 3,000 Lb., Forge Steel Weld-O-Let	1,014.58	
		For Work In Restricted Working Space, Add	*175.38*	
23 21 13 23-0701	EA	10", 3,000 Lb., Forge Steel Weld-O-Let	1,285.92	
		For Work In Restricted Working Space, Add	*202.38*	
23 21 13 23-0702	EA	12", 3,000 Lb., Forge Steel Weld-O-Let	1,958.41	
		For Work In Restricted Working Space, Add	*239.18*	

23 21 13 23-0703 3,000 Lb., Forge Steel Sock-O-Lets *(23 21 13 23-0393)*

23 21 13 23-0704	EA	1/2", 3,000 Lb., Forge Steel Sock-O-Let	105.07	
		For Work In Restricted Working Space, Add	*28.58*	
23 21 13 23-0705	EA	3/4", 3,000 Lb., Forge Steel Sock-O-Let	111.39	
		For Work In Restricted Working Space, Add	*29.96*	
23 21 13 23-0706	EA	1", 3,000 Lb., Forge Steel Sock-O-Let	118.80	
		For Work In Restricted Working Space, Add	*31.77*	
23 21 13 23-0707	EA	1-1/4", 3,000 Lb., Forge Steel Sock-O-Let	131.77	
		For Work In Restricted Working Space, Add	*34.04*	
23 21 13 23-0708	EA	1-1/2", 3,000 Lb., Forge Steel Sock-O-Let	147.81	
		For Work In Restricted Working Space, Add	*38.57*	
23 21 13 23-0709	EA	2", 3,000 Lb., Forge Steel Sock-O-Let	192.06	
		For Work In Restricted Working Space, Add	*50.42*	
23 21 13 23-0710	EA	2-1/2", 3,000 Lb., Forge Steel Sock-O-Let	299.16	
		For Work In Restricted Working Space, Add	*64.82*	
23 21 13 23-0711	EA	3", 3,000 Lb., Forge Steel Sock-O-Let	412.49	
		For Work In Restricted Working Space, Add	*90.77*	
23 21 13 23-0712	EA	4", 3,000 Lb., Forge Steel Sock-O-Let	550.00	
		For Work In Restricted Working Space, Add	*113.46*	

23 21 13 23-0713 Class 150 Flange, Steel Bolt And Gasket Sets *(23 21 13 23-0393)*

Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.

23 21 13 23-0714	EA	3/4" To 1-1/2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	16.06	
		Note: Includes rubber gasket, and four (4) 1/2" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*4.50*	
		For Hot Dip Galvanized, Add	*6.42*	
		For Advanced Fluoropolymer (Blue Coating), Add	*11.24*	
23 21 13 23-0715	EA	2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	20.38	
		Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*5.71*	
		For Hot Dip Galvanized, Add	*8.15*	
		For Advanced Fluoropolymer (Blue Coating), Add	*14.27*	
23 21 13 23-0716	EA	2-1/2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	20.60	
		Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*5.77*	
		For Hot Dip Galvanized, Add	*8.24*	
		For Advanced Fluoropolymer (Blue Coating), Add	*14.42*	
23 21 13 23-0717	EA	3" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	20.71	
		Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*5.80*	
		For Hot Dip Galvanized, Add	*8.28*	
		For Advanced Fluoropolymer (Blue Coating), Add	*14.50*	
23 21 13 23-0718	EA	4" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	47.10	
		Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*13.19*	
		For Hot Dip Galvanized, Add	*18.84*	
		For Advanced Fluoropolymer (Blue Coating), Add	*32.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0719	EA	5" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	65.97	
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*18.47*	
		For Hot Dip Galvanized, Add	*26.39*	
		For Advanced Fluoropolymer (Blue Coating), Add	*46.18*	
23 21 13 23-0720	EA	6" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	72.75	
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*20.37*	
		For Hot Dip Galvanized, Add	*29.10*	
		For Advanced Fluoropolymer (Blue Coating), Add	*50.93*	
23 21 13 23-0721	EA	8" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	80.11	
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*22.43*	
		For Hot Dip Galvanized, Add	*32.04*	
		For Advanced Fluoropolymer (Blue Coating), Add	*56.08*	
23 21 13 23-0722	EA	10" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	175.74	
		Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*49.21*	
		For Hot Dip Galvanized, Add	*70.30*	
		For Advanced Fluoropolymer (Blue Coating), Add	*123.02*	
23 21 13 23-0723	EA	12" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	180.03	
		Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*50.41*	
		For Hot Dip Galvanized, Add	*72.01*	
		For Advanced Fluoropolymer (Blue Coating), Add	*126.02*	
23 21 13 23-0724	EA	14" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	202.02	
		Note: Includes rubber gasket, and twelve (12) 1" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*56.57*	
		For Hot Dip Galvanized, Add	*80.81*	
		For Advanced Fluoropolymer (Blue Coating), Add	*141.41*	
23 21 13 23-0725	EA	16" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	333.60	
		Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*93.41*	
		For Hot Dip Galvanized, Add	*133.44*	
		For Advanced Fluoropolymer (Blue Coating), Add	*233.52*	
23 21 13 23-0726	EA	18" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	479.19	
		Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*134.17*	
		For Hot Dip Galvanized, Add	*191.68*	
		For Advanced Fluoropolymer (Blue Coating), Add	*335.43*	
23 21 13 23-0727	EA	20" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	605.60	
		Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*169.57*	
		For Hot Dip Galvanized, Add	*242.24*	
		For Advanced Fluoropolymer (Blue Coating), Add	*423.92*	
23 21 13 23-0728	EA	24" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	861.40	
		Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*241.19*	
		For Hot Dip Galvanized, Add	*344.56*	
		For Advanced Fluoropolymer (Blue Coating), Add	*602.98*	
23 21 13 23-0729	EA	30" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	1,359.20	
		Note: Includes rubber gasket, and twenty-eight (28) 1-1/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*380.58*	
		For Hot Dip Galvanized, Add	*543.68*	
		For Advanced Fluoropolymer (Blue Coating), Add	*951.44*	
23 21 13 23-0730	EA	36" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	1,913.08	
		Note: Includes rubber gasket, and thirty-two (32) 1-1/2" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*535.66*	
		For Hot Dip Galvanized, Add	*765.23*	
		For Advanced Fluoropolymer (Blue Coating), Add	*1,339.16*	

23 21 13 23-0731 Class 300 Flange, Steel Bolt And Gasket Sets *(23 21 13 23-0393)*

Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.

23 21 13 23-0732	EA	3/4" To 1-1/2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set	25.86	
		Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*7.24*	
		For Hot Dip Galvanized, Add	*10.34*	
		For Advanced Fluoropolymer (Blue Coating), Add	*18.10*	
23 21 13 23-0733	EA	2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set	47.27	
		Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*13.24*	
		For Hot Dip Galvanized, Add	*18.91*	
		For Advanced Fluoropolymer (Blue Coating), Add	*33.09*	
23 21 13 23-0734	EA	2-1/2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set	73.46	
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*20.57*	
		For Hot Dip Galvanized, Add	*29.38*	
		For Advanced Fluoropolymer (Blue Coating), Add	*51.42*	
23 21 13 23-0735	EA	3" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set	79.82	
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*22.35*	
		For Hot Dip Galvanized, Add	*31.93*	
		For Advanced Fluoropolymer (Blue Coating), Add	*55.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0736	EA	4" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	84.22	
		For Zinc Plated, Add	*23.58*	
		For Hot Dip Galvanized, Add	*33.69*	
		For Advanced Fluoropolymer (Blue Coating), Add	*58.95*	
23 21 13 23-0737	EA	5" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	93.04	
		For Zinc Plated, Add	*26.05*	
		For Hot Dip Galvanized, Add	*37.22*	
		For Advanced Fluoropolymer (Blue Coating), Add	*65.13*	
23 21 13 23-0738	EA	6" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twelve (12) 3/4" diameter bolts with washers and nut.	131.39	
		For Zinc Plated, Add	*36.79*	
		For Hot Dip Galvanized, Add	*52.56*	
		For Advanced Fluoropolymer (Blue Coating), Add	*91.97*	
23 21 13 23-0739	EA	8" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.	203.05	
		For Zinc Plated, Add	*56.85*	
		For Hot Dip Galvanized, Add	*81.22*	
		For Advanced Fluoropolymer (Blue Coating), Add	*142.14*	
23 21 13 23-0740	EA	10" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut.	366.86	
		For Zinc Plated, Add	*102.72*	
		For Hot Dip Galvanized, Add	*146.74*	
		For Advanced Fluoropolymer (Blue Coating), Add	*256.80*	
23 21 13 23-0741	EA	12" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut.	526.79	
		For Zinc Plated, Add	*147.50*	
		For Hot Dip Galvanized, Add	*210.72*	
		For Advanced Fluoropolymer (Blue Coating), Add	*368.75*	
23 21 13 23-0742	EA	14" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut.	719.29	
		For Zinc Plated, Add	*201.40*	
		For Hot Dip Galvanized, Add	*287.72*	
		For Advanced Fluoropolymer (Blue Coating), Add	*503.50*	
23 21 13 23-0743	EA	16" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut.	989.84	
		For Zinc Plated, Add	*277.16*	
		For Hot Dip Galvanized, Add	*395.94*	
		For Advanced Fluoropolymer (Blue Coating), Add	*692.89*	
23 21 13 23-0744	EA	18" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twenty-four (24) 1-1/4" diameter bolts with washers and nut.	1,273.06	
		For Zinc Plated, Add	*356.46*	
		For Hot Dip Galvanized, Add	*509.22*	
		For Advanced Fluoropolymer (Blue Coating), Add	*891.14*	
23 21 13 23-0745	EA	20" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twenty-four (24) 1-1/4" diameter bolts with washers and nut.	1,352.81	
		For Zinc Plated, Add	*378.79*	
		For Hot Dip Galvanized, Add	*541.12*	
		For Advanced Fluoropolymer (Blue Coating), Add	*946.97*	
23 21 13 23-0746	EA	24" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twenty-four (24) 1-1/2" diameter bolts with washers and nut.	1,718.72	
		For Zinc Plated, Add	*481.24*	
		For Hot Dip Galvanized, Add	*687.49*	
		For Advanced Fluoropolymer (Blue Coating), Add	*1,203.10*	
23 21 13 23-0747	EA	30" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twenty-eight (28) 1-3/4" diameter bolts with washers and nut.	2,707.37	
		For Zinc Plated, Add	*758.06*	
		For Hot Dip Galvanized, Add	*1,082.95*	
		For Advanced Fluoropolymer (Blue Coating), Add	*1,895.16*	
23 21 13 23-0748	EA	36" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and thirty-two (32) 2" diameter bolts with washers and nut.	4,006.96	
		For Zinc Plated, Add	*1,121.95*	
		For Hot Dip Galvanized, Add	*1,602.78*	
		For Advanced Fluoropolymer (Blue Coating), Add	*2,804.87*	

23 21 13 23-0749 Class 150 Flange, Stainless Steel Bolt And Gasket Sets *(23 21 13 23-0393)*

Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.

23 21 13 23-0750	EA	3/4" To 1-1/2" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 1/2" diameter bolts with washers and nut.	16.06	
23 21 13 23-0751	EA	2" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.	52.50	
23 21 13 23-0752	EA	2-1/2" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.	52.60	
23 21 13 23-0753	EA	3" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.	52.70	
23 21 13 23-0754	EA	4" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut.	112.08	
23 21 13 23-0755	EA	5" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	141.12	
23 21 13 23-0756	EA	6" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	160.63	
23 21 13 23-0757	EA	8" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	162.13	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0758	EA	10" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.	415.75	
23 21 13 23-0759	EA	12" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.	418.57	
23 21 13 23-0760	EA	14" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and twelve (12) 1" diameter bolts with washers and nut.	631.74	
23 21 13 23-0761	EA	16" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut.	841.11	
23 21 13 23-0762	EA	18" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut.	2,175.50	
23 21 13 23-0763	EA	20" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut.	2,521.56	
23 21 13 23-0764	EA	24" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut.	2,912.08	

23 21 13 23-0765 150 Lb., Rubber Flange Gasket Replacement *(23 21 13 23-0393)*

Note: Includes unbolting, removal of old gaskets, new 150 Lb. rubber gasket and rebolting.

23 21 13 23-0766	EA	1/2", 150 Lb., Rubber Flange Gasket Replacement	33.05	
		For 300 Lb. Rating Gasket Set, Add	*0.25*	
		For Work In Restricted Working Space, Add	*9.71*	
23 21 13 23-0767	EA	3/4", 150 Lb., Rubber Flange Gasket Replacement	35.45	
		For 300 Lb. Rating Gasket Set, Add	*0.33*	
		For Work In Restricted Working Space, Add	*10.35*	
23 21 13 23-0768	EA	1", 150 Lb., Rubber Flange Gasket Replacement	39.38	
		For 300 Lb. Rating Gasket Set, Add	*0.57*	
		For Work In Restricted Working Space, Add	*11.32*	
23 21 13 23-0769	EA	1-1/4", 150 Lb., Rubber Flange Gasket Replacement	42.86	
		For 300 Lb. Rating Gasket Set, Add	*0.66*	
		For Work In Restricted Working Space, Add	*12.29*	
23 21 13 23-0770	EA	1-1/2", 150 Lb., Rubber Flange Gasket Replacement	47.64	
		For 300 Lb. Rating Gasket Set, Add	*0.82*	
		For Work In Restricted Working Space, Add	*13.59*	
23 21 13 23-0771	EA	2", 150 Lb., Rubber Flange Gasket Replacement	52.89	
		For 300 Lb. Rating Gasket Set, Add	*1.15*	
		For Work In Restricted Working Space, Add	*14.88*	
23 21 13 23-0772	EA	2-1/2", 150 Lb., Rubber Flange Gasket Replacement	62.70	
		For 300 Lb. Rating Gasket Set, Add	*1.56*	
		For Work In Restricted Working Space, Add	*17.47*	
23 21 13 23-0773	EA	3", 150 Lb., Rubber Flange Gasket Replacement	66.64	
		For 300 Lb. Rating Gasket Set, Add	*1.81*	
		For Work In Restricted Working Space, Add	*18.44*	
23 21 13 23-0774	EA	4", 150 Lb., Rubber Flange Gasket Replacement	89.33	
		For 300 Lb. Rating Gasket Set, Add	*2.95*	
		For Work In Restricted Working Space, Add	*24.27*	
23 21 13 23-0775	EA	5", 150 Lb., Rubber Flange Gasket Replacement	103.21	
		For 300 Lb. Rating Gasket Set, Add	*3.28*	
		For Work In Restricted Working Space, Add	*28.15*	
23 21 13 23-0776	EA	6", 150 Lb., Rubber Flange Gasket Replacement	118.96	
		For 300 Lb. Rating Gasket Set, Add	*4.27*	
		For Work In Restricted Working Space, Add	*32.03*	
23 21 13 23-0777	EA	8", 150 Lb., Rubber Flange Gasket Replacement	147.24	
		For 300 Lb. Rating Gasket Set, Add	*6.24*	
		For Work In Restricted Working Space, Add	*38.83*	
23 21 13 23-0778	EA	10", 150 Lb., Rubber Flange Gasket Replacement	163.37	
		For 300 Lb. Rating Gasket Set, Add	*8.86*	
		For Work In Restricted Working Space, Add	*41.42*	
23 21 13 23-0779	EA	12", 150 Lb., Rubber Flange Gasket Replacement	188.75	
		For 300 Lb. Rating Gasket Set, Add	*11.33*	
		For Work In Restricted Working Space, Add	*46.92*	
23 21 13 23-0780	EA	14", 150 Lb., Rubber Flange Gasket Replacement	200.47	
		For 300 Lb. Rating Gasket Set, Add	*13.54*	
		For Work In Restricted Working Space, Add	*48.53*	
23 21 13 23-0781	EA	16", 150 Lb., Rubber Flange Gasket Replacement	258.84	
		For 300 Lb. Rating Gasket Set, Add	*15.10*	
		For Work In Restricted Working Space, Add	*64.71*	
23 21 13 23-0782	EA	18", 150 Lb., Rubber Flange Gasket Replacement	281.20	
		For 300 Lb. Rating Gasket Set, Add	*15.76*	
		For Work In Restricted Working Space, Add	*70.85*	
23 21 13 23-0783	EA	20", 150 Lb., Rubber Flange Gasket Replacement	336.24	
		For 300 Lb. Rating Gasket Set, Add	*16.91*	
		For Work In Restricted Working Space, Add	*86.38*	

23 21 13 23-0784 Cut And Prepare For Welding Existing In-Place Black Steel Pipe *(23 21 13 23-0393)*

Note: For use when connecting pipe to an existing in-place system.

23 21 13 23-0785	EA	1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	23.41	
		For Work In Restricted Working Space, Add	*7.02*	
23 21 13 23-0786	EA	3/4", Cut And Prepare For Welding Existing In Place Black Steel Pipe	25.28	
		For Work In Restricted Working Space, Add	*7.58*	
23 21 13 23-0787	EA	1", Cut And Prepare For Welding Existing In Place Black Steel Pipe	28.44	
		For Work In Restricted Working Space, Add	*8.53*	
23 21 13 23-0788	EA	1-1/4", Cut And Prepare For Welding Existing In Place Black Steel Pipe	29.85	
		For Work In Restricted Working Space, Add	*8.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0789	EA	1-1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	31.60	
		For Work In Restricted Working Space, Add	*9.48*	
23 21 13 23-0790	EA	2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	33.94	
		For Work In Restricted Working Space, Add	*10.18*	
23 21 13 23-0791	EA	2-1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	36.29	
		For Work In Restricted Working Space, Add	*10.89*	
23 21 13 23-0792	EA	3", Cut And Prepare For Welding Existing In Place Black Steel Pipe	39.80	
		For Work In Restricted Working Space, Add	*11.94*	
23 21 13 23-0793	EA	4", Cut And Prepare For Welding Existing In Place Black Steel Pipe	43.31	
		For Work In Restricted Working Space, Add	*12.99*	
23 21 13 23-0794	EA	6", Cut And Prepare For Welding Existing In Place Black Steel Pipe	46.82	
		For Work In Restricted Working Space, Add	*14.05*	
23 21 13 23-0795	EA	8", Cut And Prepare For Welding Existing In Place Black Steel Pipe	50.33	
		For Work In Restricted Working Space, Add	*15.10*	
23 21 13 23-0796	EA	10", Cut And Prepare For Welding Existing In Place Black Steel Pipe	55.02	
		For Work In Restricted Working Space, Add	*16.51*	
23 21 13 23-0797	EA	12", Cut And Prepare For Welding Existing In Place Black Steel Pipe	59.70	
		For Work In Restricted Working Space, Add	*17.91*	
23 21 13 23-0798	EA	14", Cut And Prepare For Welding Existing In Place Black Steel Pipe	64.38	
		For Work In Restricted Working Space, Add	*19.31*	
23 21 13 23-0799	EA	16", Cut And Prepare For Welding Existing In Place Black Steel Pipe	69.06	
		For Work In Restricted Working Space, Add	*20.72*	
23 21 13 23-0800	EA	18", Cut And Prepare For Welding Existing In Place Black Steel Pipe	72.57	
		For Work In Restricted Working Space, Add	*21.77*	
23 21 13 23-0801	EA	20", Cut And Prepare For Welding Existing In Place Black Steel Pipe	76.08	
		For Work In Restricted Working Space, Add	*22.82*	
23 21 13 23-0802	EA	24", Cut And Prepare For Welding Existing In Place Black Steel Pipe	80.77	
		For Work In Restricted Working Space, Add	*24.23*	

23 21 13 23-0803 Welded Plain End Electric Resistance Black Steel Pipe *(23 21 13 23-0393)*

Note: ASTM A-135.

23 21 13 23-0804	LF	2" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	28.65	12.06
		For Work In Restricted Working Space, Add	*5.92*	
23 21 13 23-0805	LF	2-1/2" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	33.43	13.15
		For Work In Restricted Working Space, Add	*5.92*	
23 21 13 23-0806	LF	3" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	36.22	12.94
		For Work In Restricted Working Space, Add	*5.80*	
23 21 13 23-0807	LF	4" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	45.03	16.44
		For Work In Restricted Working Space, Add	*7.40*	
23 21 13 23-0808	LF	6" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	75.97	24.34
		For Work In Restricted Working Space, Add	*10.94*	
23 21 13 23-0809	LF	8.322" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	99.72	29.28
		For Work In Restricted Working Space, Add	*13.19*	
23 21 13 23-0810	LF	10.365" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	137.51	36.46
		For Work In Restricted Working Space, Add	*16.41*	
23 21 13 23-0811	LF	12.375" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	167.20	43.98
		For Work In Restricted Working Space, Add	*19.77*	
23 21 13 23-0812	LF	14.375" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	212.66	57.06
		For Work In Restricted Working Space, Add	*25.67*	

23 21 13 23-0813 150 Lb., Spiral Wound Metal Flange Gasket Replacement *(23 21 13 23-0393)*

Note: Includes unbolting, removal of old gaskets, new 150 Lb. spiral wound metal flange gasket (1/8" thick carbon steel outer ring with spiral wound 304 stainless steel inner ring) and rebolting.

23 21 13 23-0814	EA	1/2", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	36.89
		For 300 Lb., Add	*0.34*
		For Work In Restricted Working Space, Add	*9.71*
23 21 13 23-0815	EA	3/4", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	39.11
		For 300 Lb., Add	*0.35*
		For Work In Restricted Working Space, Add	*10.35*
23 21 13 23-0816	EA	1", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	42.39
		For 300 Lb., Add	*0.35*
		For Work In Restricted Working Space, Add	*11.32*
23 21 13 23-0817	EA	1-1/4", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	46.34
		For 300 Lb., Add	*0.40*
		For Work In Restricted Working Space, Add	*12.29*
23 21 13 23-0818	EA	1-1/2", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	50.76
		For 300 Lb., Add	*0.41*
		For Work In Restricted Working Space, Add	*13.59*
23 21 13 23-0819	EA	2", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	55.33
		For 300 Lb., Add	*0.43*
		For Work In Restricted Working Space, Add	*14.88*
23 21 13 23-0820	EA	2-1/2", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	64.46
		For 300 Lb., Add	*0.47*
		For Work In Restricted Working Space, Add	*17.47*
23 21 13 23-0821	EA	3", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	68.20
		For 300 Lb., Add	*0.50*
		For Work In Restricted Working Space, Add	*18.44*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0822	EA	4", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	89.48	
		For 300 Lb., Add	*0.64*	
		For Work In Restricted Working Space, Add	*24.27*	
23 21 13 23-0823	EA	5", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	104.43	
		For 300 Lb., Add	*0.80*	
		For Work In Restricted Working Space, Add	*28.14*	
23 21 13 23-0824	EA	6", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	118.56	
		For 300 Lb., Add	*0.88*	
		For Work In Restricted Working Space, Add	*32.03*	
23 21 13 23-0825	EA	8", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	143.50	
		For 300 Lb., Add	*1.05*	
		For Work In Restricted Working Space, Add	*38.83*	
23 21 13 23-0826	EA	10", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	157.44	
		For 300 Lb., Add	*1.45*	
		For Work In Restricted Working Space, Add	*41.42*	
23 21 13 23-0827	EA	12", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	185.62	
		For 300 Lb., Add	*2.19*	
		For Work In Restricted Working Space, Add	*46.92*	

23 21 13 23-0828 150 Lb., Flexible Graphite Flange Gasket Replacement *(23 21 13 23-0393)*

Note: Includes unbolting, removal of old gaskets, new 150 Lb. spiral wound metal flange gasket (flexible graphite outer ring with 316 stainless steel inner ring) and rebolting.

23 21 13 23-0829	EA	1/2", 150 Lb., Flexible Graphite Flange Gasket Replacement	33.26	
		For Work In Restricted Working Space, Add	*9.71*	
23 21 13 23-0830	EA	3/4", 150 Lb., Flexible Graphite Flange Gasket Replacement	36.01	
		For Work In Restricted Working Space, Add	*10.35*	
23 21 13 23-0831	EA	1", 150 Lb., Flexible Graphite Flange Gasket Replacement	39.47	
		For Work In Restricted Working Space, Add	*11.32*	
23 21 13 23-0832	EA	1-1/4", 150 Lb., Flexible Graphite Flange Gasket Replacement	43.44	
		For Work In Restricted Working Space, Add	*12.29*	
23 21 13 23-0833	EA	1-1/2", 150 Lb., Flexible Graphite Flange Gasket Replacement	47.91	
		For Work In Restricted Working Space, Add	*13.59*	
23 21 13 23-0834	EA	2", 150 Lb., Flexible Graphite Flange Gasket Replacement	53.05	
		For Work In Restricted Working Space, Add	*14.88*	
23 21 13 23-0835	EA	2-1/2", 150 Lb., Flexible Graphite Flange Gasket Replacement	62.89	
		For Work In Restricted Working Space, Add	*17.47*	
23 21 13 23-0836	EA	3", 150 Lb., Flexible Graphite Flange Gasket Replacement	66.38	
		For Work In Restricted Working Space, Add	*18.44*	
23 21 13 23-0837	EA	4", 150 Lb., Flexible Graphite Flange Gasket Replacement	88.82	
		For Work In Restricted Working Space, Add	*24.27*	
23 21 13 23-0838	EA	5", 150 Lb., Flexible Graphite Flange Gasket Replacement	103.27	
		For Work In Restricted Working Space, Add	*28.14*	
23 21 13 23-0839	EA	6", 150 Lb., Flexible Graphite Flange Gasket Replacement	117.31	
		For Work In Restricted Working Space, Add	*32.03*	
23 21 13 23-0840	EA	8", 150 Lb., Flexible Graphite Flange Gasket Replacement	147.15	
		For Work In Restricted Working Space, Add	*38.83*	
23 21 13 23-0841	EA	10", 150 Lb., Flexible Graphite Flange Gasket Replacement	163.76	
		For Work In Restricted Working Space, Add	*41.42*	
23 21 13 23-0842	EA	12", 150 Lb., Flexible Graphite Flange Gasket Replacement	188.19	
		For Work In Restricted Working Space, Add	*46.92*	

23 21 13 23-0843 150 Lb., Teflon, Spiral Wound, Flange Gasket Replacement *(23 21 13 23-0393)*

Note: Includes unbolting, removal of old gaskets, new 150 Lb. spiral wound metal flange gasket (teflon outer ring with 304 stainless steel inner ring) and rebolting.

23 21 13 23-0844	EA	1/2", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement	53.27	
		For Work In Restricted Working Space, Add	*9.71*	
23 21 13 23-0845	EA	3/4", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement	56.86	
		For Work In Restricted Working Space, Add	*10.35*	
23 21 13 23-0846	EA	1", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement	61.55	
		For Work In Restricted Working Space, Add	*11.32*	
23 21 13 23-0847	EA	1-1/4", Teflon, Spiral Wound, Flange Gasket Replacement	69.81	
		For Work In Restricted Working Space, Add	*12.29*	
23 21 13 23-0848	EA	1-1/2", Teflon, Spiral Wound, Flange Gasket Replacement	75.08	
		For Work In Restricted Working Space, Add	*13.59*	
23 21 13 23-0849	EA	2", Teflon, Spiral Wound, Flange Gasket Replacement	81.88	
		For Work In Restricted Working Space, Add	*14.88*	
23 21 13 23-0850	EA	2-1/2", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement	95.13	
		For Work In Restricted Working Space, Add	*17.47*	
23 21 13 23-0851	EA	3", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement	108.29	
		For Work In Restricted Working Space, Add	*18.44*	
23 21 13 23-0852	EA	4", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement	136.62	
		For Work In Restricted Working Space, Add	*24.27*	
23 21 13 23-0853	EA	5", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement	163.24	
		For Work In Restricted Working Space, Add	*28.14*	
23 21 13 23-0854	EA	6", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement	214.37	
		For Work In Restricted Working Space, Add	*32.03*	
23 21 13 23-0855	EA	8", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement	235.70	
		For Work In Restricted Working Space, Add	*38.83*	
23 21 13 23-0856	EA	10", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement	268.76	
		For Work In Restricted Working Space, Add	*41.42*	
23 21 13 23-0857	EA	12", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement	353.82	
		For Work In Restricted Working Space, Add	*46.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 21 13 23-0858 Flanged Steel Fittings *(23 21 13 23)*

See CSI section 23 21 13 23-0394 for steel pipe, 23 21 13 23-0637 for welded neck flange ends.

23 21 13 23-0859 Flanged Steel Fittings, Standard Weight *(23 21 13 23-0858)*

Note: Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets. See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.

23 21 13 23-0860 Flanged Steel, 90 Degree Elbows *(23 21 13 23-0859)*

23 21 13 23-0861	EA	2" Standard Weight, Flanged Steel, 90 Degree Elbow	317.64	50.33
		For Galvanized Fittings, Add	*193.74*	
		For Extra Heavy Weight Fittings, Add	*290.62*	
23 21 13 23-0862	EA	2-1/2" Standard Weight, Flanged Steel, 90 Degree Elbow	354.26	56.06
		For Galvanized Fittings, Add	*216.14*	
		For Extra Heavy Weight Fittings, Add	*324.22*	
23 21 13 23-0863	EA	3" Standard Weight, Flanged Steel, 90 Degree Elbow	355.57	61.87
		For Galvanized Fittings, Add	*210.30*	
		For Extra Heavy Weight Fittings, Add	*315.44*	
23 21 13 23-0864	EA	4" Standard Weight, Flanged Steel, 90 Degree Elbow	447.34	71.90
		For Galvanized Fittings, Add	*271.64*	
		For Extra Heavy Weight Fittings, Add	*407.46*	
23 21 13 23-0865	EA	5" Standard Weight, Flanged Steel, 90 Degree Elbow	613.61	80.52
		For Galvanized Fittings, Add	*394.31*	
		For Extra Heavy Weight Fittings, Add	*591.47*	
23 21 13 23-0866	EA	6" Standard Weight, Flanged Steel, 90 Degree Elbow	653.70	93.46
		For Galvanized Fittings, Add	*410.86*	
		For Extra Heavy Weight Fittings, Add	*616.30*	
23 21 13 23-0867	EA	8" Standard Weight, Flanged Steel, 90 Degree Elbow	820.55	103.48
		For Galvanized Fittings, Add	*532.26*	
		For Extra Heavy Weight Fittings, Add	*798.40*	

23 21 13 23-0868 Flanged Steel, Reducing 90 Degree Elbows *(23 21 13 23-0859)*

23 21 13 23-0869	EA	2-1/2" x 2" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	569.01	53.25
		For Galvanized Fittings, Add	*391.39*	
		For Extra Heavy Weight Fittings, Add	*587.09*	
23 21 13 23-0870	EA	3" x 2-1/2" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	594.67	58.96
		For Galvanized Fittings, Add	*405.02*	
		For Extra Heavy Weight Fittings, Add	*607.54*	
23 21 13 23-0871	EA	4" x 3" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	736.75	66.83
		For Galvanized Fittings, Add	*509.20*	
		For Extra Heavy Weight Fittings, Add	*763.80*	
23 21 13 23-0872	EA	5" x 3" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	905.07	71.15
		For Galvanized Fittings, Add	*638.69*	
		For Extra Heavy Weight Fittings, Add	*958.03*	
23 21 13 23-0873	EA	6" x 4" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	1,031.85	82.68
		For Galvanized Fittings, Add	*726.31*	
		For Extra Heavy Weight Fittings, Add	*1,089.47*	
23 21 13 23-0874	EA	8" x 6" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	1,429.19	98.52
		For Galvanized Fittings, Add	*1,025.21*	
		For Extra Heavy Weight Fittings, Add	*1,537.81*	

23 21 13 23-0875 Flanged Steel, 45 Degree Elbows *(23 21 13 23-0859)*

23 21 13 23-0876	EA	2" Standard Weight, Flanged Steel, 45 Degree Elbow	405.27	50.33
		For Galvanized Fittings, Add	*263.85*	
		For Extra Heavy Weight Fittings, Add	*395.77*	
23 21 13 23-0877	EA	2-1/2" Standard Weight, Flanged Steel, 45 Degree Elbow	424.84	56.06
		For Galvanized Fittings, Add	*272.61*	
		For Extra Heavy Weight Fittings, Add	*408.91*	
23 21 13 23-0878	EA	3" Standard Weight, Flanged Steel, 45 Degree Elbow	443.20	61.87
		For Galvanized Fittings, Add	*280.40*	
		For Extra Heavy Weight Fittings, Add	*420.60*	
23 21 13 23-0879	EA	4" Standard Weight, Flanged Steel, 45 Degree Elbow	549.56	71.90
		For Galvanized Fittings, Add	*353.42*	
		For Extra Heavy Weight Fittings, Add	*530.12*	
23 21 13 23-0880	EA	5" Standard Weight, Flanged Steel, 45 Degree Elbow	779.12	80.52
		For Galvanized Fittings, Add	*526.72*	
		For Extra Heavy Weight Fittings, Add	*790.08*	
23 21 13 23-0881	EA	6" Standard Weight, Flanged Steel, 45 Degree Elbow	768.10	93.46
		For Galvanized Fittings, Add	*502.38*	
		For Extra Heavy Weight Fittings, Add	*753.58*	
23 21 13 23-0882	EA	8" Standard Weight, Flanged Steel, 45 Degree Elbow	902.02	103.48
		For Galvanized Fittings, Add	*597.44*	
		For Extra Heavy Weight Fittings, Add	*896.16*	

23 21 13 23-0883 Flanged Steel, Tees *(23 21 13 23-0859)*

23 21 13 23-0884	EA	2" Standard Weight, Flanged Steel, Tee	413.78	75.46
		For Galvanized Fittings, Add	*240.48*	
		For Extra Heavy Weight Fittings, Add	*360.72*	
23 21 13 23-0885	EA	2-1/2" Standard Weight, Flanged Steel, Tee	526.51	84.08
		For Galvanized Fittings, Add	*320.32*	
		For Extra Heavy Weight Fittings, Add	*480.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0886	EA	3" Standard Weight, Flanged Steel, Tee	489.56	92.70
		For Galvanized Fittings, Add	*280.41*	
		For Extra Heavy Weight Fittings, Add	*420.61*	
23 21 13 23-0887	EA	4" Standard Weight, Flanged Steel, Tee	684.98	107.90
		For Galvanized Fittings, Add	*418.64*	
		For Extra Heavy Weight Fittings, Add	*627.96*	
23 21 13 23-0888	EA	5" Standard Weight, Flanged Steel, Tee	994.50	120.83
		For Galvanized Fittings, Add	*650.73*	
		For Extra Heavy Weight Fittings, Add	*976.09*	
23 21 13 23-0889	EA	6" Standard Weight, Flanged Steel, Tee	1,209.50	140.24
		For Galvanized Fittings, Add	*799.46*	
		For Extra Heavy Weight Fittings, Add	*1,199.18*	
23 21 13 23-0890	EA	8" Standard Weight, Flanged Steel, Tee	1,343.43	162.44
		For Galvanized Fittings, Add	*879.86*	
		For Extra Heavy Weight Fittings, Add	*1,319.80*	

23 21 13 23-0891 Flanged Steel, Reducing Tees *(23 21 13 23-0859)*

23 21 13 23-0892	EA	2-1/2" Standard Weight, Flanged Steel, Reducing Tee	631.73	81.28
		For Galvanized Fittings, Add	*407.94*	
		For Extra Heavy Weight Fittings, Add	*611.92*	
23 21 13 23-0893	EA	3" Standard Weight, Flanged Steel, Reducing Tee	727.42	89.90
		For Galvanized Fittings, Add	*474.14*	
		For Extra Heavy Weight Fittings, Add	*711.22*	
23 21 13 23-0894	EA	4" Standard Weight, Flanged Steel, Reducing Tee	1,221.38	102.83
		For Galvanized Fittings, Add	*853.79*	
		For Extra Heavy Weight Fittings, Add	*1,280.69*	
23 21 13 23-0895	EA	5" Standard Weight, Flanged Steel, Reducing Tee	1,323.33	116.52
		For Galvanized Fittings, Add	*918.97*	
		For Extra Heavy Weight Fittings, Add	*1,378.45*	
23 21 13 23-0896	EA	6" Standard Weight, Flanged Steel, Reducing Tee	1,656.07	133.77
		For Galvanized Fittings, Add	*1,164.46*	
		For Extra Heavy Weight Fittings, Add	*1,746.70*	
23 21 13 23-0897	EA	8" Standard Weight, Flanged Steel, Reducing Tee	2,058.09	150.26
		For Galvanized Fittings, Add	*1,466.25*	
		For Extra Heavy Weight Fittings, Add	*2,199.37*	

23 21 13 23-0898 Flanged Steel, Concentric Reducers *(23 21 13 23-0859)*

23 21 13 23-0899	EA	3" x 2-1/2" Standard Weight, Flanged Steel, Concentric Reducer	587.36	58.96
		For Galvanized Fittings, Add	*399.18*	
		For Extra Heavy Weight Fittings, Add	*598.76*	
23 21 13 23-0900	EA	4" x 3" Standard Weight, Flanged Steel, Concentric Reducer	667.38	66.83
		For Galvanized Fittings, Add	*453.70*	
		For Extra Heavy Weight Fittings, Add	*680.56*	
23 21 13 23-0901	EA	5" x 4" Standard Weight, Flanged Steel, Concentric Reducer	977.12	76.21
		For Galvanized Fittings, Add	*690.29*	
		For Extra Heavy Weight Fittings, Add	*1,035.43*	
23 21 13 23-0902	EA	6" x 4" Standard Weight, Flanged Steel, Concentric Reducer	1,076.88	82.68
		For Galvanized Fittings, Add	*762.34*	
		For Extra Heavy Weight Fittings, Add	*1,143.50*	
23 21 13 23-0903	EA	8" x 6" Standard Weight, Flanged Steel, Concentric Reducer	1,262.46	98.52
		For Galvanized Fittings, Add	*891.82*	
		For Extra Heavy Weight Fittings, Add	*1,337.74*	

23 21 13 23-0904 Flanged Steel, Eccentric Reducers *(23 21 13 23-0859)*

23 21 13 23-0905	EA	4" x 3" Standard Weight, Flanged Steel, Eccentric Reducer	636.71	66.83
		For Galvanized Fittings, Add	*429.17*	
		For Extra Heavy Weight Fittings, Add	*643.75*	
23 21 13 23-0906	EA	5" x 4" Standard Weight, Flanged Steel, Eccentric Reducer	857.12	76.21
		For Galvanized Fittings, Add	*594.29*	
		For Extra Heavy Weight Fittings, Add	*891.43*	

23 21 13 23-0907 Plain End Couplings And Fittings *(23 21 13 23)*

Note: For use on standard weight steel pipe (Schedule 40), but may be used on lightwall steel or other metallic pipe such as aluminum or stainless steel.

23 21 13 23-0908 Plain End Piping System Couplings *(23 21 13 23-0907)*

23 21 13 23-0909 Plainlock Plain End Piping System Couplings *(23 21 13 23-0908)*

Note: Ductile iron body with gasket, bolts and nuts.

23 21 13 23-0910	EA	1" Plainlock Plain End Piping System Coupling	150.66	6.47
		For Galvanized Fittings, Add	*28.19*	
23 21 13 23-0911	EA	1-1/2" Plainlock Plain End Piping System Coupling	154.43	8.94
		For Galvanized Fittings, Add	*28.19*	
23 21 13 23-0912	EA	2" Plainlock Plain End Piping System Coupling	158.80	11.86
		For Galvanized Fittings, Add	*28.19*	
23 21 13 23-0913	EA	2-1/2" Plainlock Plain End Piping System Coupling	162.52	14.33
		For Galvanized Fittings, Add	*28.19*	
23 21 13 23-0914	EA	3" Plainlock Plain End Piping System Coupling	192.22	17.24
		For Galvanized Fittings, Add	*33.27*	
23 21 13 23-0915	EA	4" Plainlock Plain End Piping System Coupling	264.96	22.96
		For Galvanized Fittings, Add	*46.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0916	EA	6" Plainlock Plain End Piping System Coupling	445.23	37.40
		For Galvanized Fittings, Add	*77.84*	

23 21 13 23-0917 Roust-A-Bout Plain End Piping System Couplings *(23 21 13 23-0908)*

Note: Ductile iron body with gasket, bolts and nuts.

23 21 13 23-0918	EA	1-1/2" Roust-A-Bout Plain End Piping System Coupling	181.80	8.94
		For Galvanized Fittings, Add	*42.08*	
23 21 13 23-0919	EA	2" Roust-A-Bout Plain End Piping System Coupling	186.17	11.86
		For Galvanized Fittings, Add	*42.08*	
23 21 13 23-0920	EA	2-1/2" Roust-A-Bout Plain End Piping System Coupling	189.90	14.44
		For Galvanized Fittings, Add	*42.08*	
23 21 13 23-0921	EA	3" Roust-A-Bout Plain End Piping System Coupling	275.20	17.24
		For Galvanized Fittings, Add	*62.34*	
23 21 13 23-0922	EA	3-1/2" Roust-A-Bout Plain End Piping System Coupling	318.76	20.16
		For Galvanized Fittings, Add	*72.14*	
23 21 13 23-0923	EA	4" Roust-A-Bout Plain End Piping System Coupling	323.03	22.96
		For Galvanized Fittings, Add	*72.14*	
23 21 13 23-0924	EA	5" Roust-A-Bout Plain End Piping System Coupling	455.39	28.78
		For Galvanized Fittings, Add	*103.06*	
23 21 13 23-0925	EA	6" Roust-A-Bout Plain End Piping System Coupling	559.56	37.40
		For Galvanized Fittings, Add	*125.87*	
23 21 13 23-0926	EA	8" Roust-A-Bout Plain End Piping System Coupling	959.67	44.62
		For Galvanized Fittings, Add	*223.20*	
23 21 13 23-0927	EA	10" Roust-A-Bout Plain End Piping System Coupling	1,240.74	52.82
		For Galvanized Fittings, Add	*290.37*	
23 21 13 23-0928	EA	12" Roust-A-Bout Plain End Piping System Coupling	1,551.23	62.52
		For Galvanized Fittings, Add	*364.36*	
23 21 13 23-0929	EA	14" Roust-A-Bout Plain End Piping System Coupling	2,173.22	69.09
		For Galvanized Fittings, Add	*517.40*	
23 21 13 23-0930	EA	16" Roust-A-Bout Plain End Piping System Coupling	2,951.30	78.15
		For Galvanized Fittings, Add	*708.53*	

23 21 13 23-0931 Plain End Piping System Fittings *(23 21 13 23-0907)*

Note: Cast ductile iron bodies.

23 21 13 23-0932 Plain End Piping System, 90 Degree Elbows *(23 21 13 23-0931)*

23 21 13 23-0933	EA	1" Plain End Piping System, 90 Degree Elbow	150.68	11.75
		For Galvanized Fittings, Add	*26.61*	
23 21 13 23-0934	EA	1-1/2" Plain End Piping System, 90 Degree Elbow	159.74	17.79
		For Galvanized Fittings, Add	*26.61*	
23 21 13 23-0935	EA	2" Plain End Piping System, 90 Degree Elbow	168.29	23.50
		For Galvanized Fittings, Add	*26.61*	
23 21 13 23-0936	EA	2-1/2" Plain End Piping System, 90 Degree Elbow	175.97	28.67
		For Galvanized Fittings, Add	*26.61*	
23 21 13 23-0937	EA	3" Plain End Piping System, 90 Degree Elbow	211.84	34.71
		For Galvanized Fittings, Add	*31.96*	
23 21 13 23-0938	EA	4" Plain End Piping System, 90 Degree Elbow	301.63	45.70
		For Galvanized Fittings, Add	*46.61*	
23 21 13 23-0939	EA	5" Plain End Piping System, 90 Degree Elbow	892.54	57.23
		For Galvanized Fittings, Add	*161.34*	
23 21 13 23-0940	EA	6" Plain End Piping System, 90 Degree Elbow	753.76	74.91
		For Galvanized Fittings, Add	*128.30*	
23 21 13 23-0941	EA	8" Plain End Piping System, 90 Degree Elbow	1,488.26	88.92
		For Galvanized Fittings, Add	*270.97*	
23 21 13 23-0942	EA	10" Plain End Piping System, 90 Degree Elbow	1,858.61	103.91
		For Galvanized Fittings, Add	*340.57*	
23 21 13 23-0943	EA	12" Plain End Piping System, 90 Degree Elbow	2,355.25	124.82
		For Galvanized Fittings, Add	*433.62*	

23 21 13 23-0944 Plain End Piping System, 45 Degree Elbows *(23 21 13 23-0931)*

23 21 13 23-0945	EA	1" Plain End Piping System, 45 Degree Elbow	150.68	11.75
		For Galvanized Fittings, Add	*26.61*	
23 21 13 23-0946	EA	1-1/2" Plain End Piping System, 45 Degree Elbow	159.74	17.79
		For Galvanized Fittings, Add	*26.61*	
23 21 13 23-0947	EA	2" Plain End Piping System, 45 Degree Elbow	168.29	23.50
		For Galvanized Fittings, Add	*26.61*	
23 21 13 23-0948	EA	2-1/2" Plain End Piping System, 45 Degree Elbow	175.97	28.67
		For Galvanized Fittings, Add	*26.61*	
23 21 13 23-0949	EA	3" Plain End Piping System, 45 Degree Elbow	211.84	34.71
		For Galvanized Fittings, Add	*31.96*	
23 21 13 23-0950	EA	4" Plain End Piping System, 45 Degree Elbow	301.63	45.70
		For Galvanized Fittings, Add	*46.61*	
23 21 13 23-0951	EA	5" Plain End Piping System, 45 Degree Elbow	892.54	57.23
		For Galvanized Fittings, Add	*161.34*	
23 21 13 23-0952	EA	6" Plain End Piping System, 45 Degree Elbow	756.23	74.91
		For Galvanized Fittings, Add	*128.79*	
23 21 13 23-0953	EA	8" Plain End Piping System, 45 Degree Elbow	877.86	88.92
		For Galvanized Fittings, Add	*148.89*	
23 21 13 23-0954	EA	10" Plain End Piping System, 45 Degree Elbow	1,194.69	103.91
		For Galvanized Fittings, Add	*207.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0955	EA	12" Plain End Piping System, 45 Degree Elbow	1,529.29	124.82
		For Galvanized Fittings, Add	*268.43*	

23 21 13 23-0956 Plain End Piping System, Tees *(23 21 13 23-0931)*

23 21 13 23-0957	EA	1" Plain End Piping System, Tee	205.86	17.79
		For Galvanized Fittings, Add	*35.84*	
23 21 13 23-0958	EA	1-1/2" Plain End Piping System, Tee	219.22	26.73
		For Galvanized Fittings, Add	*35.84*	
23 21 13 23-0959	EA	2" Plain End Piping System, Tee	231.01	34.60
		For Galvanized Fittings, Add	*35.84*	
23 21 13 23-0960	EA	2-1/2" Plain End Piping System, Tee	242.74	42.37
		For Galvanized Fittings, Add	*35.84*	
23 21 13 23-0961	EA	3" Plain End Piping System, Tee	335.96	52.07
		For Galvanized Fittings, Add	*51.57*	
23 21 13 23-0962	EA	4" Plain End Piping System, Tee	459.53	67.37
		For Galvanized Fittings, Add	*71.72*	
23 21 13 23-0963	EA	5" Plain End Piping System, Tee	919.83	88.07
		For Galvanized Fittings, Add	*157.55*	
23 21 13 23-0964	EA	6" Plain End Piping System, Tee	1,137.54	110.27
		For Galvanized Fittings, Add	*194.44*	
23 21 13 23-0965	EA	8" Plain End Piping System, Tee	1,548.19	134.09
		For Galvanized Fittings, Add	*269.42*	
23 21 13 23-0966	EA	10" Plain End Piping System, Tee	2,291.45	156.29
		For Galvanized Fittings, Add	*411.42*	
23 21 13 23-0967	EA	12" Plain End Piping System, Tee	3,063.53	187.24
		For Galvanized Fittings, Add	*556.57*	

23 21 13 23-0968 Plain End Piping System, Reducing Tees *(23 21 13 23-0931)*

23 21 13 23-0969	EA	1-1/2" Plain End Piping System, Reducing Tee	397.12	28.67
		For Galvanized Fittings, Add	*70.83*	
23 21 13 23-0970	EA	2" Plain End Piping System, Reducing Tee	405.99	34.60
		For Galvanized Fittings, Add	*70.83*	
23 21 13 23-0971	EA	2-1/2" Plain End Piping System, Reducing Tee	417.72	42.37
		For Galvanized Fittings, Add	*70.83*	
23 21 13 23-0972	EA	3" Plain End Piping System, Reducing Tee	432.27	52.07
		For Galvanized Fittings, Add	*70.83*	
23 21 13 23-0973	EA	4" Plain End Piping System, Reducing Tee	623.78	67.37
		For Galvanized Fittings, Add	*104.57*	
23 21 13 23-0974	EA	6" Plain End Piping System, Reducing Tee	1,053.19	110.27
		For Galvanized Fittings, Add	*177.57*	
23 21 13 23-0975	EA	8" Plain End Piping System, Reducing Tee	1,370.37	134.09
		For Galvanized Fittings, Add	*233.85*	
23 21 13 23-0976	EA	10" Plain End Piping System, Reducing Tee	2,036.93	156.29
		For Galvanized Fittings, Add	*360.52*	
23 21 13 23-0977	EA	12" Plain End Piping System, Reducing Tee	2,990.70	187.24
		For Galvanized Fittings, Add	*542.00*	

23 21 13 23-0978 Plain End Piping System, Wyes *(23 21 13 23-0931)*

23 21 13 23-0979	EA	2" Plain End Piping System, Wye	576.65	34.60
		For Galvanized Fittings, Add	*104.96*	
23 21 13 23-0980	EA	2-1/2" Plain End Piping System, Wye	588.38	42.37
		For Galvanized Fittings, Add	*104.96*	
23 21 13 23-0981	EA	3" Plain End Piping System, Wye	668.04	52.07
		For Galvanized Fittings, Add	*117.99*	
23 21 13 23-0982	EA	4" Plain End Piping System, Wye	976.58	67.37
		For Galvanized Fittings, Add	*175.13*	
23 21 13 23-0983	EA	5" Plain End Piping System, Wye	1,197.66	88.07
		For Galvanized Fittings, Add	*213.11*	
23 21 13 23-0984	EA	6" Plain End Piping System, Wye	1,632.64	110.27
		For Galvanized Fittings, Add	*293.46*	
23 21 13 23-0985	EA	8" Plain End Piping System, Wye	2,101.38	134.09
		For Galvanized Fittings, Add	*380.05*	
23 21 13 23-0986	EA	10" Plain End Piping System, Wye	3,036.52	156.29
		For Galvanized Fittings, Add	*560.44*	
23 21 13 23-0987	EA	12" Plain End Piping System, Wye	4,600.51	187.24
		For Galvanized Fittings, Add	*863.96*	

23 21 13 23-0988 Plain End Piping System, Laterals *(23 21 13 23-0931)*

23 21 13 23-0989	EA	2" Plain End Piping System, Lateral	613.77	34.60
		For Galvanized Fittings, Add	*112.39*	
23 21 13 23-0990	EA	2-1/2" Plain End Piping System, Lateral	625.50	42.37
		For Galvanized Fittings, Add	*112.39*	
23 21 13 23-0991	EA	3" Plain End Piping System, Lateral	704.92	52.07
		For Galvanized Fittings, Add	*125.36*	
23 21 13 23-0992	EA	4" Plain End Piping System, Lateral	1,046.99	67.37
		For Galvanized Fittings, Add	*189.21*	
23 21 13 23-0993	EA	5" Plain End Piping System, Lateral	1,365.36	88.07
		For Galvanized Fittings, Add	*246.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0994	EA	6" Plain End Piping System, Lateral	1,740.54	110.27
		For Galvanized Fittings, Add	*315.04*	
23 21 13 23-0995	EA	8" Plain End Piping System, Lateral	2,497.71	134.09
		For Galvanized Fittings, Add	*459.32*	
23 21 13 23-0996	EA	10" Plain End Piping System, Lateral	3,476.26	156.29
		For Galvanized Fittings, Add	*648.39*	
23 21 13 23-0997	EA	12" Plain End Piping System, Lateral	4,665.87	187.24
		For Galvanized Fittings, Add	*877.03*	

23 21 13 23-0998 Plain End Piping System, Crosses *(23 21 13 23-0931)*

23 21 13 23-0999	EA	2" Plain End Piping System, Cross	687.82	51.85
		For Galvanized Fittings, Add	*76.27*	
23 21 13 23-1000	EA	2-1/2" Plain End Piping System, Cross	705.38	63.49
		For Galvanized Fittings, Add	*76.27*	
23 21 13 23-1001	EA	3" Plain End Piping System, Cross	824.87	78.15
		For Galvanized Fittings, Add	*88.46*	
23 21 13 23-1002	EA	4" Plain End Piping System, Cross	1,123.61	101.00
		For Galvanized Fittings, Add	*121.53*	
23 21 13 23-1003	EA	5" Plain End Piping System, Cross	1,579.01	132.15
		For Galvanized Fittings, Add	*172.61*	
23 21 13 23-1004	EA	6" Plain End Piping System, Cross	2,070.55	164.92
		For Galvanized Fittings, Add	*227.92*	
23 21 13 23-1005	EA	8" Plain End Piping System, Cross	2,638.56	199.74
		For Galvanized Fittings, Add	*292.39*	
23 21 13 23-1006	EA	10" Plain End Piping System, Cross	3,762.93	233.47
		For Galvanized Fittings, Add	*426.62*	
23 21 13 23-1007	EA	12" Plain End Piping System, Cross	5,342.28	280.90
		For Galvanized Fittings, Add	*615.15*	

23 21 13 23-1008 Plain End Piping System, Adapter Nipples *(23 21 13 23-0931)*

Note: Plain to threaded, plain to beveled or plain to grooved.

23 21 13 23-1009	EA	1" Plain End Piping System, Adapter Nipple	55.95	6.47
		For Galvanized Fittings, Add	*11.56*	
23 21 13 23-1010	EA	1-1/2" Plain End Piping System, Adapter Nipple	61.00	8.94
		For Galvanized Fittings, Add	*11.88*	
23 21 13 23-1011	EA	2" Plain End Piping System, Adapter Nipple	65.25	11.86
		For Galvanized Fittings, Add	*11.88*	
23 21 13 23-1012	EA	2-1/2" Plain End Piping System, Adapter Nipple	77.24	14.33
		For Galvanized Fittings, Add	*13.92*	
23 21 13 23-1013	EA	3" Plain End Piping System, Adapter Nipple	94.67	17.24
		For Galvanized Fittings, Add	*17.20*	
23 21 13 23-1014	EA	4" Plain End Piping System, Adapter Nipple	149.54	22.96
		For Galvanized Fittings, Add	*28.76*	
23 21 13 23-1015	EA	6" Plain End Piping System, Adapter Nipple	354.24	28.78
		For Galvanized Fittings, Add	*77.78*	

23 21 13 23-1016 Plain End Piping System, Reducing (Swaged) Nipples *(23 21 13 23-0931)*

23 21 13 23-1017	EA	1-1/2" x 1" Plain End Piping System, Reducing (Swaged) Nipple	178.61	15.41
		For Galvanized Fittings, Add	*38.86*	
23 21 13 23-1018	EA	2" x 1" Plain End Piping System, Reducing (Swaged) Nipple	182.94	18.32
		For Galvanized Fittings, Add	*38.86*	
23 21 13 23-1019	EA	2" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	187.29	21.23
		For Galvanized Fittings, Add	*38.86*	
23 21 13 23-1020	EA	2-1/2" x 1" Plain End Piping System, Reducing (Swaged) Nipple	186.23	20.59
		For Galvanized Fittings, Add	*38.86*	
23 21 13 23-1021	EA	2-1/2" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	190.48	23.39
		For Galvanized Fittings, Add	*38.86*	
23 21 13 23-1022	EA	2-1/2" x 2" Plain End Piping System, Reducing (Swaged) Nipple	194.77	26.19
		For Galvanized Fittings, Add	*38.86*	
23 21 13 23-1023	EA	3" x 1" Plain End Piping System, Reducing (Swaged) Nipple	224.81	23.71
		For Galvanized Fittings, Add	*47.33*	
23 21 13 23-1024	EA	3" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	228.63	26.19
		For Galvanized Fittings, Add	*47.33*	
23 21 13 23-1025	EA	3" x 2" Plain End Piping System, Reducing (Swaged) Nipple	189.28	29.10
		For Galvanized Fittings, Add	*36.40*	
23 21 13 23-1026	EA	3" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple	197.63	34.71
		For Galvanized Fittings, Add	*36.40*	
23 21 13 23-1027	EA	3-1/2" x 3" Plain End Piping System, Reducing (Swaged) Nipple	230.13	37.40
		For Galvanized Fittings, Add	*43.53*	
23 21 13 23-1028	EA	4" x 1" Plain End Piping System, Reducing (Swaged) Nipple	310.38	29.42
		For Galvanized Fittings, Add	*66.55*	
23 21 13 23-1029	EA	4" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	314.15	32.01
		For Galvanized Fittings, Add	*66.55*	
23 21 13 23-1030	EA	4" x 2" Plain End Piping System, Reducing (Swaged) Nipple	253.90	34.92
		For Galvanized Fittings, Add	*50.39*	
23 21 13 23-1031	EA	4" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple	257.60	37.40
		For Galvanized Fittings, Add	*50.39*	
23 21 13 23-1032	EA	4" x 3" Plain End Piping System, Reducing (Swaged) Nipple	261.99	40.31
		For Galvanized Fittings, Add	*50.39*	
23 21 13 23-1033	EA	4" x 3-1/2" Plain End Piping System, Reducing (Swaged) Nipple	266.19	43.11
		For Galvanized Fittings, Add	*50.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1034	EA	5" x 2" Plain End Piping System, Reducing (Swaged) Nipple	802.25	40.63
		For Galvanized Fittings, Add	*185.32*	
23 21 13 23-1035	EA	5" x 3" Plain End Piping System, Reducing (Swaged) Nipple	641.08	45.92
		For Galvanized Fittings, Add	*143.04*	
23 21 13 23-1036	EA	5" x 4" Plain End Piping System, Reducing (Swaged) Nipple	548.49	51.85
		For Galvanized Fittings, Add	*117.71*	
23 21 13 23-1037	EA	6" x 1" Plain End Piping System, Reducing (Swaged) Nipple	1,478.17	43.87
		For Galvanized Fittings, Add	*353.11*	
23 21 13 23-1038	EA	6" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	1,481.89	46.35
		For Galvanized Fittings, Add	*353.11*	
23 21 13 23-1039	EA	6" x 2" Plain End Piping System, Reducing (Swaged) Nipple	1,118.50	49.26
		For Galvanized Fittings, Add	*261.17*	
23 21 13 23-1040	EA	6" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple	1,122.34	51.85
		For Galvanized Fittings, Add	*261.17*	
23 21 13 23-1041	EA	6" x 3" Plain End Piping System, Reducing (Swaged) Nipple	758.94	54.65
		For Galvanized Fittings, Add	*169.26*	
23 21 13 23-1042	EA	6" x 3-1/2" Plain End Piping System, Reducing (Swaged) Nipple	762.86	57.23
		For Galvanized Fittings, Add	*169.26*	
23 21 13 23-1043	EA	6" x 4" Plain End Piping System, Reducing (Swaged) Nipple	603.89	60.37
		For Galvanized Fittings, Add	*128.37*	
23 21 13 23-1044	EA	6" x 5" Plain End Piping System, Reducing (Swaged) Nipple	687.80	66.08
		For Galvanized Fittings, Add	*147.18*	
23 21 13 23-1045	EA	8" x 3" Plain End Piping System, Reducing (Swaged) Nipple	909.11	61.77
		For Galvanized Fittings, Add	*204.13*	
23 21 13 23-1046	EA	8" x 4" Plain End Piping System, Reducing (Swaged) Nipple	917.81	67.59
		For Galvanized Fittings, Add	*204.13*	
23 21 13 23-1047	EA	8" x 5" Plain End Piping System, Reducing (Swaged) Nipple	1,038.87	73.40
		For Galvanized Fittings, Add	*232.22*	
23 21 13 23-1048	EA	8" x 6" Plain End Piping System, Reducing (Swaged) Nipple	1,164.26	82.02
		For Galvanized Fittings, Add	*260.30*	

23 21 13 23-1049 Plain End Piping System, Bull Plugs *(23 21 13 23-0931)*

23 21 13 23-1050	EA	1" Plain End Piping System, Bull Plug	298.99	6.47
		For Galvanized Fittings, Add	*86.79*	
23 21 13 23-1051	EA	1-1/2" Plain End Piping System, Bull Plug	302.77	8.94
		For Galvanized Fittings, Add	*86.79*	
23 21 13 23-1052	EA	2" Plain End Piping System, Bull Plug	307.02	11.86
		For Galvanized Fittings, Add	*86.79*	
23 21 13 23-1053	EA	2-1/2" Plain End Piping System, Bull Plug	310.85	14.33
		For Galvanized Fittings, Add	*86.79*	
23 21 13 23-1054	EA	3" Plain End Piping System, Bull Plug	449.95	17.24
		For Galvanized Fittings, Add	*127.22*	
23 21 13 23-1055	EA	4" Plain End Piping System, Bull Plug	582.25	22.96
		For Galvanized Fittings, Add	*164.33*	
23 21 13 23-1056	EA	5" Plain End Piping System, Bull Plug	1,011.12	28.78
		For Galvanized Fittings, Add	*290.40*	
23 21 13 23-1057	EA	6" Plain End Piping System, Bull Plug	1,347.15	37.40
		For Galvanized Fittings, Add	*387.33*	
23 21 13 23-1058	EA	8" Plain End Piping System, Bull Plug	2,494.13	44.52
		For Galvanized Fittings, Add	*728.19*	
23 21 13 23-1059	EA	10" Plain End Piping System, Bull Plug	4,484.49	52.07
		For Galvanized Fittings, Add	*1,321.91*	
23 21 13 23-1060	EA	12" Plain End Piping System, Bull Plug	6,869.99	62.52
		For Galvanized Fittings, Add	*2,032.87*	

23 21 13 23-1061 Carbon Steel Piping Systems *(23 21 13 23)*

23 21 13 23-1062 Class 3,000 Lb. Carbon Steel Socket Weld Fittings *(23 21 13 23-1061)*

Note: ASTM A105

23 21 13 23-1063 90 Degree Elbows, 3,000 LB Carbon Steel Socket Weld *(23 21 13 23-1062)*

23 21 13 23-1064	EA	1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	40.51	21.34
23 21 13 23-1065	EA	3/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	45.54	23.82
23 21 13 23-1066	EA	1" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	57.98	26.62
23 21 13 23-1067	EA	1-1/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	78.87	30.18
23 21 13 23-1068	EA	1-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	90.15	33.96
23 21 13 23-1069	EA	2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	122.29	43.22
23 21 13 23-1070	EA	2-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	241.82	63.92
23 21 13 23-1071	EA	3" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	344.01	84.08
23 21 13 23-1072	EA	4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	599.66	91.31

23 21 13 23-1073 45 Degree Elbows, 3,000 LB Carbon Steel Socket Weld *(23 21 13 23-1062)*

23 21 13 23-1074	EA	1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	44.29	21.34
23 21 13 23-1075	EA	3/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	51.26	23.82
23 21 13 23-1076	EA	1" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	59.74	26.62
23 21 13 23-1077	EA	1-1/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	81.10	30.18
23 21 13 23-1078	EA	1-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	95.48	33.96
23 21 13 23-1079	EA	2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	122.18	43.22
23 21 13 23-1080	EA	2-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	274.44	63.92
23 21 13 23-1081	EA	3" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	371.61	84.08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1082	EA	4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	587.72	91.31
23 21 13 23-1083		**Straight Tees, 3,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1062)*		
23 21 13 23-1084	EA	1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	49.66	26.62
23 21 13 23-1085	EA	3/4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	60.13	30.72
23 21 13 23-1086	EA	1" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	79.33	36.32
23 21 13 23-1087	EA	1-1/4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	105.32	43.22
23 21 13 23-1088	EA	1-1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	127.58	51.52
23 21 13 23-1089	EA	2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	168.85	63.92
23 21 13 23-1090	EA	2-1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	301.90	84.08
23 21 13 23-1091	EA	3" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	413.72	99.81
23 21 13 23-1092	EA	4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	793.11	115.27
23 21 13 23-1093		**Reducing Tees, 3,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1062)*		
23 21 13 23-1094	EA	1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	50.69	26.62
23 21 13 23-1095	EA	3/4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	61.20	30.72
23 21 13 23-1096	EA	1" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	80.61	36.32
23 21 13 23-1097	EA	1-1/4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	108.35	43.22
23 21 13 23-1098	EA	1-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	131.14	51.52
23 21 13 23-1099	EA	2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	174.30	63.92
23 21 13 23-1100	EA	2-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	314.87	84.08
23 21 13 23-1101	EA	3" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	432.39	99.81
23 21 13 23-1102	EA	4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	726.67	115.27
23 21 13 23-1103		**Straight Couplings, 3,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1062)*		
23 21 13 23-1104	EA	1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	35.86	21.34
23 21 13 23-1105	EA	3/4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	40.39	23.82
23 21 13 23-1106	EA	1" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	47.03	26.62
23 21 13 23-1107	EA	1-1/4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	54.16	30.18
23 21 13 23-1108	EA	1-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	63.03	33.96
23 21 13 23-1109	EA	2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	82.36	43.22
23 21 13 23-1110	EA	2-1/2" Coupling, Straight, Carbon Steel, Socket, Weld, 3,000 Lb.	140.12	63.92
23 21 13 23-1111	EA	3" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	187.18	84.08
23 21 13 23-1112	EA	4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	258.75	91.31
23 21 13 23-1113		**Reducing Couplings, 3,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1062)*		
23 21 13 23-1114	EA	1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb	37.96	21.34
23 21 13 23-1115	EA	3/4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb	42.70	23.82
23 21 13 23-1116	EA	1" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb	50.73	26.62
23 21 13 23-1117	EA	1-1/4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	58.63	30.18
23 21 13 23-1118	EA	1-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	69.66	33.96
23 21 13 23-1119	EA	2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb	89.45	43.22
23 21 13 23-1120	EA	2-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	155.73	63.92
23 21 13 23-1121	EA	3" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb	218.57	84.08
23 21 13 23-1122	EA	4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb	324.01	91.31
23 21 13 23-1123		**Caps, 3,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1062)*		
23 21 13 23-1124	EA	1/2" Cap, Carbon Steel, Socket Weld, 3,000 Lb.	21.16	10.02
23 21 13 23-1125	EA	3/4" Cap, Carbon Steel, Socket Weld, 3,000 Lb.	24.08	10.67
23 21 13 23-1126	EA	1" Cap, Carbon Steel, Socket Weld, 3,000 Lb.	28.24	12.29
23 21 13 23-1127	EA	1-1/4" Cap, Carbon Steel, Socket Weld, 3,000 Lb.	32.77	13.37
23 21 13 23-1128	EA	1-1/2" Cap, Carbon Steel, Socket Weld, 3,000 Lb.	37.46	13.37
23 21 13 23-1129	EA	2" Cap, Carbon Steel, Socket Weld, 3,000 Lb.	48.59	17.13
23 21 13 23-1130	EA	2-1/2" Cap, Carbon Steel, Socket Weld, 3,000 Lb.	85.72	21.34
23 21 13 23-1131	EA	3" Cap, Carbon Steel, Socket Weld, 3,000 Lb.	123.37	25.77
23 21 13 23-1132	EA	4" Cap, Carbon Steel, Socket Weld, 3,000 Lb.	179.02	31.25
23 21 13 23-1133		**Black Cast Iron Square Head Plug** *(23 21 13 23-1062)*		
23 21 13 23-1134	EA	1/2" Square Head Plug, Black, Cast Iron	14.06	8.51
23 21 13 23-1135	EA	3/4" Square Head Plug, Black, Cast Iron	16.07	8.51
23 21 13 23-1136	EA	1" Square Head Plug, Black, Cast Iron	23.05	12.93
23 21 13 23-1137	EA	1-1/4" Square Head Plug, Black, Cast Iron	23.45	12.93
23 21 13 23-1138	EA	1-1/2" Square Head Plug, Black, Cast Iron	25.11	12.93
23 21 13 23-1139	EA	2" Square Head Plug, Black, Cast Iron	33.27	17.13
23 21 13 23-1140	EA	2-1/2" Square Head Plug, Black, Cast Iron	42.84	21.34
23 21 13 23-1141	EA	3" Square Head Plug, Black, Cast Iron	56.13	25.77
23 21 13 23-1142	EA	4" Square Head Plug, Black, Cast Iron	67.44	31.25
23 21 13 23-1143		**Unions, 3,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1062)*		
23 21 13 23-1144	EA	1/2" Union, Carbon Steel, Socket Weld, 3,000 Lb.	61.86	26.62
23 21 13 23-1145	EA	3/4" Union, Carbon Steel, Socket Weld, 3,000 Lb.	68.58	30.72
23 21 13 23-1146	EA	1" Union, Carbon Steel, Socket Weld, 3,000 Lb.	87.35	36.32
23 21 13 23-1147	EA	1-1/4" Union, Carbon Steel, Socket Weld, 3,000 Lb.	110.16	43.22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1148	EA	1-1/2" Union, Carbon Steel, Socket Weld, 3,000 Lb.	132.70	51.52
23 21 13 23-1149	EA	2" Union, Carbon Steel, Socket Weld, 3,000 Lb.	165.86	63.92
23 21 13 23-1150	EA	2-1/2" Union, Carbon Steel, Socket Weld, 3,000 Lb.	283.51	69.41
23 21 13 23-1151	EA	3" Union, Carbon Steel, Socket Weld, 3,000 Lb.	380.30	84.08
23 21 13 23-1152		Class 6,000 Lb. Carbon Steel Socket Weld Fittings *(23 21 13 23-1061)*		
		Note: ASTM A105		
23 21 13 23-1153		90 Degree Elbow, 6,000 LB Carbon Steel Socket Weld *(23 21 13 23-1152)*		
23 21 13 23-1154	EA	1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	45.06	21.34
23 21 13 23-1155	EA	3/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	50.75	23.82
23 21 13 23-1156	EA	1" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	67.57	26.62
23 21 13 23-1157	EA	1-1/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	96.76	30.18
23 21 13 23-1158	EA	1-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	110.96	33.96
23 21 13 23-1159	EA	2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	152.85	43.22
23 21 13 23-1160	EA	2-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	319.37	63.92
23 21 13 23-1161	EA	3" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	459.76	84.08
23 21 13 23-1162	EA	4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	845.47	91.31
23 21 13 23-1163		45 Degree Elbow, 6,000 LB Carbon Steel Socket Weld *(23 21 13 23-1152)*		
23 21 13 23-1164	EA	1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	51.28	21.34
23 21 13 23-1165	EA	3/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	60.04	23.82
23 21 13 23-1166	EA	1" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	70.96	26.62
23 21 13 23-1167	EA	1-1/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	101.42	30.18
23 21 13 23-1168	EA	1-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	120.69	33.96
23 21 13 23-1169	EA	2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	154.70	43.22
23 21 13 23-1170	EA	2-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	375.58	63.92
23 21 13 23-1171	EA	3" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	510.64	84.08
23 21 13 23-1172	EA	4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	843.01	91.31
23 21 13 23-1173		Straight Tees, 6,000 Lb. Carbon Steel Socket Weld *(23 21 13 23-1152)*		
23 21 13 23-1174	EA	1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	58.68	26.62
23 21 13 23-1175	EA	3/4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	73.15	30.72
23 21 13 23-1176	EA	1" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	102.37	36.32
23 21 13 23-1177	EA	1-1/4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	142.90	43.22
23 21 13 23-1178	EA	1-1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	174.18	51.52
23 21 13 23-1179	EA	2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	236.49	63.92
23 21 13 23-1180	EA	2-1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	464.75	84.08
23 21 13 23-1181	EA	3" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	658.25	99.81
23 21 13 23-1182	EA	4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	1,367.59	115.27
23 21 13 23-1183		Reducing Tees, 6,000 Lb. Carbon Steel Socket Weld *(23 21 13 23-1152)*		
23 21 13 23-1184	EA	1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	50.69	26.62
23 21 13 23-1185	EA	3/4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	61.20	30.72
23 21 13 23-1186	EA	1" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	80.61	36.32
23 21 13 23-1187	EA	1-1/4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	108.35	43.22
23 21 13 23-1188	EA	1-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	131.14	51.52
23 21 13 23-1189	EA	2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	174.30	63.92
23 21 13 23-1190	EA	2-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	314.87	84.08
23 21 13 23-1191	EA	3" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	432.39	99.81
23 21 13 23-1192	EA	4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	726.67	115.27
23 21 13 23-1193		Straight Couplings, 6,000 Lb. Carbon Steel Socket Weld *(23 21 13 23-1152)*		
23 21 13 23-1194	EA	1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	37.75	21.34
23 21 13 23-1195	EA	3/4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	42.63	23.82
23 21 13 23-1196	EA	1" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	50.47	26.62
23 21 13 23-1197	EA	1-1/4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	58.50	30.18
23 21 13 23-1198	EA	1-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	68.86	33.96
23 21 13 23-1199	EA	2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	90.88	43.22
23 21 13 23-1200	EA	2-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	161.55	63.92
23 21 13 23-1201	EA	3" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	216.73	84.08
23 21 13 23-1202	EA	4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	317.70	91.31
23 21 13 23-1203		Reducing Couplings, 6,000 Lb. Carbon Steel Socket Weld *(23 21 13 23-1152)*		
23 21 13 23-1204	EA	1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	40.85	21.34
23 21 13 23-1205	EA	3/4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	46.04	23.82
23 21 13 23-1206	EA	1" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	55.92	26.62
23 21 13 23-1207	EA	1-1/4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	65.08	30.18
23 21 13 23-1208	EA	1-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	78.63	33.96
23 21 13 23-1209	EA	2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	101.31	43.22
23 21 13 23-1210	EA	2-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	184.49	63.92
23 21 13 23-1211	EA	3" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	262.98	84.08
23 21 13 23-1212	EA	4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	413.85	91.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1213		**Caps, 6,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1152)*		
23 21 13 23-1214	EA	1/2" Cap, Carbon Steel, Socket Weld, 6,000 Lb.	25.31	10.02
23 21 13 23-1215	EA	3/4" Cap, Carbon Steel, Socket Weld, 6,000 Lb.	29.52	10.67
23 21 13 23-1216	EA	1" Cap, Carbon Steel, Socket Weld, 6,000 Lb.	34.83	12.29
23 21 13 23-1217	EA	1-1/4" Cap, Carbon Steel, Socket Weld, 6,000 Lb.	41.36	13.37
23 21 13 23-1218	EA	1-1/2" Cap, Carbon Steel, Socket Weld, 6,000 Lb.	49.21	13.37
23 21 13 23-1219	EA	2" Cap, Carbon Steel, Socket Weld, 6,000 Lb.	63.92	17.13
23 21 13 23-1220	EA	2-1/2" Cap, Carbon Steel, Socket Weld, 6,000 Lb.	121.82	21.34
23 21 13 23-1221	EA	3" Cap, Carbon Steel, Socket Weld, 6,000 Lb.	180.23	25.77
23 21 13 23-1222	EA	4" Cap, Carbon Steel, Socket Weld, 6,000 Lb.	267.68	31.25
23 21 13 23-1223		**Black Cast Iron Square Head Plug** *(23 21 13 23-1152)*		
23 21 13 23-1224	EA	1/2" Square Head Plug, Black Cast Iron	14.07	8.51
23 21 13 23-1225	EA	3/4" Square Head Plug, Black Cast Iron	16.08	8.51
23 21 13 23-1226	EA	1" Square Head Plug, Black Cast Iron	23.07	12.93
23 21 13 23-1227	EA	1-1/4" Square Head Plug, Black Cast Iron	23.47	12.93
23 21 13 23-1228	EA	1-1/2" Square Head Plug, Black Cast Iron	25.14	12.93
23 21 13 23-1229	EA	2" Square Head Plug, Black Cast Iron	33.31	17.13
23 21 13 23-1230	EA	2-1/2" Square Head Plug, Black Cast Iron	42.89	21.34
23 21 13 23-1231	EA	3" Square Head Plug, Black Cast Iron	56.22	25.77
23 21 13 23-1232	EA	4" Square Head Plug, Black Cast Iron	67.55	31.25
23 21 13 23-1233		**Unions, 6,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1152)*		
23 21 13 23-1234	EA	1/2" Union, Carbon Steel, Socket Weld, 6,000 Lb.	75.28	26.62
23 21 13 23-1235	EA	3/4" Union, Carbon Steel, Socket Weld, 6,000 Lb.	82.35	30.72
23 21 13 23-1236	EA	1" Union, Carbon Steel, Socket Weld, 6,000 Lb.	107.47	36.32
23 21 13 23-1237	EA	1-1/4" Union, Carbon Steel, Socket Weld, 6,000 Lb.	137.93	43.22
23 21 13 23-1238	EA	1-1/2" Union, Carbon Steel, Socket Weld, 6,000 Lb.	166.59	51.52
23 21 13 23-1239	EA	2" Union, Carbon Steel, Socket Weld, 6,000 Lb.	208.70	63.92
23 21 13 23-1240	EA	2-1/2" Union, Carbon Steel, Socket Weld, 6,000 Lb.	393.19	69.41
23 21 13 23-1241	EA	3" Union, Carbon Steel, Socket Weld, 6,000 Lb.	535.76	84.08
23 21 13 23-1242		**Carbon Steel, Seamless Piping System** *(23 21 13 23-1061)* Note: ASTM A106 Excludes hangers or fittings. Demolition Note applies to all pipe demolition.		
23 21 13 23-1243		**Schedule 40, Carbon Steel, Seamless Piping** *(23 21 13 23-1242)* Note: ASTM A106 Excludes hangers, elbow, tee, or reducer fittings.		
23 21 13 23-1244	LF	1/4" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe	11.06	3.99
		For Schedule 80, Add	*1.83*	
23 21 13 23-1245	LF	1/2" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe	11.19	4.31
		For Schedule 80, Add	*1.67*	
		For Schedule 160, Add	*6.98*	
23 21 13 23-1246	LF	3/4" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe	12.64	4.63
		For Schedule 80, Add	*2.05*	
		For Schedule 160, Add	*8.54*	
23 21 13 23-1247	LF	1" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe	13.39	5.07
		For Schedule 80, Add	*2.11*	
		For Schedule 160, Add	*8.79*	
23 21 13 23-1248	LF	1-1/2" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe	18.89	6.26
		For Schedule 80, Add	*3.42*	
		For Schedule 160, Add	*14.27*	
23 21 13 23-1249	LF	2" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe	22.72	7.54
		For Schedule 80, Add	*4.10*	
		For Schedule 160, Add	*17.07*	
23 21 13 23-1250		**90 Degree Elbows, Screwed Carbon Steel** *(23 21 13 23-1242)*		
23 21 13 23-1251	EA	1/4" 90 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	29.97	16.39
23 21 13 23-1252	EA	1/2" 90 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	36.17	19.19
23 21 13 23-1253	EA	3/4" 90 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	40.40	21.46
23 21 13 23-1254	EA	1" 90 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	46.30	23.93
23 21 13 23-1255	EA	1-1/2" 90 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	72.66	30.61
23 21 13 23-1256	EA	2" 90 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	92.07	38.91
23 21 13 23-1257	EA	1/4" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	31.69	16.39
23 21 13 23-1258	EA	1/2" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	36.81	19.19
23 21 13 23-1259	EA	3/4" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	42.53	21.46
23 21 13 23-1260	EA	1" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	50.94	23.93
23 21 13 23-1261	EA	1-1/2" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	83.72	30.61
23 21 13 23-1262	EA	2" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	104.29	38.91
23 21 13 23-1263	EA	1/2" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	42.83	19.19
23 21 13 23-1264	EA	3/4" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	50.11	21.46
23 21 13 23-1265	EA	1" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	58.90	23.93
23 21 13 23-1266	EA	1-1/2" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	106.10	30.61
23 21 13 23-1267	EA	2" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	163.65	38.91
23 21 13 23-1268		**45 Degree Elbows, Screwed Carbon Steel** *(23 21 13 23-1242)*		
23 21 13 23-1269	EA	1/4" 45 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	33.59	16.39

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1270	EA	1/2" 45 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	37.55	19.19
23 21 13 23-1271	EA	3/4" 45 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	42.20	21.46
23 21 13 23-1272	EA	1" 45 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	47.67	23.93
23 21 13 23-1273	EA	1-1/2" 45 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	68.24	30.61
23 21 13 23-1274	EA	2" 45 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	98.88	38.91
23 21 13 23-1275	EA	1/4" 45 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	33.87	16.39
23 21 13 23-1276	EA	1/2" 45 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	39.13	19.19
23 21 13 23-1277	EA	3/4" 45 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	44.02	21.46
23 21 13 23-1278	EA	1" 45 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	52.40	23.93
23 21 13 23-1279	EA	1-1/2" 45 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	82.01	30.61
23 21 13 23-1280	EA	2" 45 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	108.11	38.91
23 21 13 23-1281	EA	1/2" 45 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	46.99	19.19
23 21 13 23-1282	EA	3/4" 45 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	57.61	21.46
23 21 13 23-1283	EA	1" 45 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	61.72	23.93
23 21 13 23-1284	EA	1-1/2" 45 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	122.06	30.61
23 21 13 23-1285	EA	2" 45 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	164.70	38.91

23 21 13 23-1286 Straight Tees, Screwed Carbon Steel *(23 21 13 23-1242)*

23 21 13 23-1287	EA	1/4" Tee, Straight, 2,000 Lb., Screwed Carbon Steel	39.95	22.74
23 21 13 23-1288	EA	1/2" Tee, Straight, 2,000 Lb., Screwed Carbon Steel	45.54	23.93
23 21 13 23-1289	EA	3/4" Tee, Straight, 2,000 Lb., Screwed Carbon Steel	54.56	27.70
23 21 13 23-1290	EA	1" Tee, Straight, 2,000 Lb., Screwed Carbon Steel	66.91	32.66
23 21 13 23-1291	EA	1-1/2" Tee, Straight, 2,000 Lb., Screwed Carbon Steel	107.23	46.35
23 21 13 23-1292	EA	2" Tee, Straight, 2,000 Lb., Screwed Carbon Steel	132.95	57.56
23 21 13 23-1293	EA	1/4" Tee, Straight, 3,000 Lb., Screwed Carbon Steel	41.42	22.74
23 21 13 23-1294	EA	1/2" Tee, Straight, 3,000 Lb., Screwed Carbon Steel	46.50	23.93
23 21 13 23-1295	EA	3/4" Tee, Straight, 3,000 Lb., Screwed Carbon Steel	57.77	27.70
23 21 13 23-1296	EA	1" Tee, Straight, 3,000 Lb., Screwed Carbon Steel	69.65	32.66
23 21 13 23-1297	EA	1-1/2" Tee, Straight, 3,000 Lb., Screwed Carbon Steel	116.72	46.35
23 21 13 23-1298	EA	2" Tee, Straight, 3,000 Lb., Screwed Carbon Steel	148.65	57.56
23 21 13 23-1299	EA	1/2" Tee, Straight, 6,000 Lb., Screwed Carbon Steel	53.72	23.93
23 21 13 23-1300	EA	3/4" Tee, Straight, 6,000 Lb., Screwed Carbon Steel	65.53	27.70
23 21 13 23-1301	EA	1" Tee, Straight, 6,000 Lb., Screwed Carbon Steel	88.84	32.66
23 21 13 23-1302	EA	1-1/2" Tee, Straight, 6,000 Lb., Screwed Carbon Steel	138.52	46.35
23 21 13 23-1303	EA	2" Tee, Straight, 6,000 Lb., Screwed Carbon Steel	218.15	57.56

23 21 13 23-1304 Crosses, Screwed Carbon Steel *(23 21 13 23-1242)*

23 21 13 23-1305	EA	1/4" Cross, 2,000 Lb., Screwed Carbon Steel	59.89	28.78
23 21 13 23-1306	EA	1/2" Cross, 2,000 Lb., Screwed Carbon Steel	70.79	32.33
23 21 13 23-1307	EA	3/4" Cross, 2,000 Lb., Screwed Carbon Steel	76.07	34.49
23 21 13 23-1308	EA	1" Cross, 2,000 Lb., Screwed Carbon Steel	94.12	41.61
23 21 13 23-1309	EA	1-1/2" Cross, 2,000 Lb., Screwed Carbon Steel	163.68	58.21
23 21 13 23-1310	EA	2" Cross, 2,000 Lb., Screwed Carbon Steel	211.30	71.90
23 21 13 23-1311	EA	1/2" Cross, 3,000 Lb., Screwed Carbon Steel	72.60	32.33
23 21 13 23-1312	EA	3/4" Cross, 3,000 Lb., Screwed Carbon Steel	86.45	34.49
23 21 13 23-1313	EA	1" Cross, 3,000 Lb., Screwed Carbon Steel	103.20	41.61
23 21 13 23-1314	EA	1-1/2" Cross, 3,000 Lb., Screwed Carbon Steel	176.78	58.21
23 21 13 23-1315	EA	2" Cross, 3,000 Lb., Screwed Carbon Steel	235.21	71.90
23 21 13 23-1316	EA	1/2" Cross, 6,000 Lb., Screwed Carbon Steel	106.40	32.33
23 21 13 23-1317	EA	3/4" Cross, 6,000 Lb., Screwed Carbon Steel	178.73	34.49
23 21 13 23-1318	EA	1" Cross, 6,000 Lb., Screwed Carbon Steel	245.38	41.61
23 21 13 23-1319	EA	1-1/2" Cross, 6,000 Lb., Screwed Carbon Steel	388.21	58.21
23 21 13 23-1320	EA	2" Cross, 6,000 Lb., Screwed Carbon Steel	425.33	71.90

23 21 13 23-1321 Straight Couplings, Screwed Carbon Steel *(23 21 13 23-1242)*

23 21 13 23-1322	EA	1/4" Coupling, Straight, 3,000 Lb., Screwed Carbon Steel	27.79	16.39
23 21 13 23-1323	EA	1/2" Coupling, Straight, 3,000 Lb., Screwed Carbon Steel	31.75	19.19
23 21 13 23-1324	EA	3/4" Coupling, Straight, 3,000 Lb., Screwed Carbon Steel	36.30	21.46
23 21 13 23-1325	EA	1" Coupling, Straight, 3,000 Lb., Screwed Carbon Steel	42.14	23.93
23 21 13 23-1326	EA	1-1/2" Coupling, Straight, 3,000 Lb., Screwed Carbon Steel	61.50	30.61
23 21 13 23-1327	EA	2" Coupling, Straight, 3,000 Lb., Screwed Carbon Steel	78.05	38.91
23 21 13 23-1328	EA	1/4" Coupling, Straight, 6,000 Lb., Screwed Carbon Steel	32.12	16.39
23 21 13 23-1329	EA	1/2" Coupling, Straight, 6,000 Lb., Screwed Carbon Steel	34.49	19.19
23 21 13 23-1330	EA	3/4" Coupling, Straight, 6,000 Lb., Screwed Carbon Steel	38.40	21.46
23 21 13 23-1331	EA	1" Coupling, Straight, 6,000 Lb., Screwed Carbon Steel	44.95	23.93
23 21 13 23-1332	EA	1-1/2" Coupling, Straight, 6,000 Lb., Screwed Carbon Steel	65.79	30.61
23 21 13 23-1333	EA	2" Coupling, Straight, 6,000 Lb., Screwed Carbon Steel	93.71	38.91

23 21 13 23-1334 Reducing Couplings, Screwed Carbon Steel *(23 21 13 23-1242)*

23 21 13 23-1335	EA	1/4" Coupling, Reducing, 3,000 Lb., Screwed Carbon Steel	28.39	17.47
23 21 13 23-1336	EA	1/2" Coupling, Reducing, 3,000 Lb., Screwed Carbon Steel	33.17	19.19
23 21 13 23-1337	EA	3/4" Coupling, Reducing, 3,000 Lb., Screwed Carbon Steel	38.47	21.46
23 21 13 23-1338	EA	1" Coupling, Reducing, 3,000 Lb., Screwed Carbon Steel	45.15	23.93
23 21 13 23-1339	EA	1-1/2" Coupling, Reducing, 3,000 Lb., Screwed Carbon Steel	62.28	30.61
23 21 13 23-1340	EA	2" Coupling, Reducing, 3,000 Lb., Screwed Carbon Steel	82.27	38.91
23 21 13 23-1341	EA	1/2" Coupling, Reducing, 6,000 Lb., Screwed Carbon Steel	88.66	19.19

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1342	EA	3/4" Coupling, Reducing, 6,000 Lb., Screwed Carbon Steel	92.08	21.46
23 21 13 23-1343	EA	1" Coupling, Reducing, 6,000 Lb., Screwed Carbon Steel	107.64	23.93
23 21 13 23-1344	EA	1-1/2" Coupling, Reducing, 6,000 Lb., Screwed Carbon Steel	154.71	30.61
23 21 13 23-1345	EA	2" Coupling, Reducing, 6,000 Lb., Screwed Carbon Steel	222.17	38.91
23 21 13 23-1346		**Caps, Screwed Carbon Steel** *(23 21 13 23-1242)*		
23 21 13 23-1347	EA	1/4" Cap, 3,000 Lb., Screwed Carbon Steel	13.58	7.33
23 21 13 23-1348	EA	1/2" Cap, 3,000 Lb., Screwed Carbon Steel	15.69	8.51
23 21 13 23-1349	EA	3/4" Cap, 3,000 Lb., Screwed Carbon Steel	18.34	9.59
23 21 13 23-1350	EA	1" Cap, 3,000 Lb., Screwed Carbon Steel	22.10	10.67
23 21 13 23-1351	EA	1-1/2" Cap, 3,000 Lb., Screwed Carbon Steel	30.12	13.58
23 21 13 23-1352	EA	2" Cap, 3,000 Lb., Screwed Carbon Steel	40.96	17.36
23 21 13 23-1353	EA	1/4" Cap, 6,000 Lb., Screwed Carbon Steel	18.78	7.33
23 21 13 23-1354	EA	1/2" Cap, 6,000 Lb., Screwed Carbon Steel	19.03	8.51
23 21 13 23-1355	EA	3/4" Cap, 6,000 Lb., Screwed Carbon Steel	23.77	9.59
23 21 13 23-1356	EA	1" Cap, 6,000 Lb., Screwed Carbon Steel	26.07	10.67
23 21 13 23-1357	EA	1-1/2" Cap, 6,000 Lb., Screwed Carbon Steel	46.28	13.58
23 21 13 23-1358	EA	2" Cap, 6,000 Lb., Screwed Carbon Steel	56.70	17.36
23 21 13 23-1359		**Nipples, Screwed Carbon Steel** *(23 21 13 23-1242)*		
23 21 13 23-1360	EA	1/4" Nipple, 2" Long, Screwed Carbon Steel	17.07	9.81
23 21 13 23-1361	EA	1/2" Nipple, 2" Long, Screwed Carbon Steel	17.37	10.24
23 21 13 23-1362	EA	3/4" Nipple, 2" Long, Screwed Carbon Steel	17.24	10.24
23 21 13 23-1363	EA	1" Nipple, 2" Long, Screwed Carbon Steel	19.21	11.10
23 21 13 23-1364	EA	1-1/2" Nipple, 2" Long, Screwed Carbon Steel	21.94	11.97
23 21 13 23-1365	EA	2" Nipple, 2" Long, Screwed Carbon Steel	26.17	15.41
23 21 13 23-1366	EA	1/4" Nipple, 4" Long, Screwed Carbon Steel	18.07	9.81
23 21 13 23-1367	EA	1/2" Nipple, 4" Long, Screwed Carbon Steel	18.16	10.24
23 21 13 23-1368	EA	3/4" Nipple, 4" Long, Screwed Carbon Steel	18.13	10.24
23 21 13 23-1369	EA	1" Nipple, 4" Long, Screwed Carbon Steel	20.41	11.10
23 21 13 23-1370	EA	1-1/2" Nipple, 4" Long, Screwed Carbon Steel	24.08	11.97
23 21 13 23-1371	EA	2" Nipple, 4" Long, Screwed Carbon Steel	29.31	15.41
23 21 13 23-1372	EA	1/4" Nipple, 6" Long, Screwed Carbon Steel	20.44	9.81
23 21 13 23-1373	EA	1/2" Nipple, 6" Long, Screwed Carbon Steel	19.41	10.24
23 21 13 23-1374	EA	3/4" Nipple, 6" Long, Screwed Carbon Steel	19.53	10.24
23 21 13 23-1375	EA	1" Nipple, 6" Long, Screwed Carbon Steel	22.14	11.10
23 21 13 23-1376	EA	1-1/2" Nipple, 6" Long, Screwed Carbon Steel	27.01	11.97
23 21 13 23-1377	EA	2" Nipple, 6" Long, Screwed Carbon Steel	31.90	15.41
23 21 13 23-1378		**Unions, Screwed Carbon Steel** *(23 21 13 23-1242)*		
23 21 13 23-1379	EA	1/4" Union, 3,000 Lb., Screwed Carbon Steel	35.86	23.82
23 21 13 23-1380	EA	1/2" Union, 3,000 Lb., Screwed Carbon Steel	37.63	23.93
23 21 13 23-1381	EA	3/4" Union, 3,000 Lb., Screwed Carbon Steel	43.20	27.70
23 21 13 23-1382	EA	1" Union, 3,000 Lb., Screwed Carbon Steel	51.54	32.66
23 21 13 23-1383	EA	1-1/2" Union, 3,000 Lb., Screwed Carbon Steel	73.83	46.35
23 21 13 23-1384	EA	2" Union, 3,000 Lb., Screwed Carbon Steel	91.65	57.56
23 21 13 23-1385	EA	1/4" Union, 6,000 Lb., Screwed Carbon Steel	58.87	23.82
23 21 13 23-1386	EA	1/2" Union, 6,000 Lb., Screwed Carbon Steel	65.45	23.93
23 21 13 23-1387	EA	3/4" Union, 6,000 Lb., Screwed Carbon Steel	76.90	27.70
23 21 13 23-1388	EA	1" Union, 6,000 Lb., Screwed Carbon Steel	93.06	32.66
23 21 13 23-1389	EA	1-1/2" Union, 6,000 Lb., Screwed Carbon Steel	158.74	46.35
23 21 13 23-1390	EA	2" Union, 6,000 Lb., Screwed Carbon Steel	196.15	57.56
23 21 13 23-1391		**Weld Neck Flanges, Screwed Carbon Steel** *(23 21 13 23-1242)*		
23 21 13 23-1392	EA	1/2" Flange, 150 Lb., Screwed Carbon Steel	79.03	44.52
23 21 13 23-1393	EA	3/4" Flange, 150 Lb., Screwed Carbon Steel	82.66	46.68
23 21 13 23-1394	EA	1" Flange, 150 Lb., Screwed Carbon Steel	85.70	48.72
23 21 13 23-1395	EA	1-1/2" Flange, 150 Lb., Screwed Carbon Steel	95.36	54.87
23 21 13 23-1396	EA	2" Flange, 150 Lb., Screwed Carbon Steel	98.94	57.23
23 21 13 23-1397	EA	1/2" Flange, 300 Lb., Screwed Carbon Steel	79.82	44.52
		For Ring Type Joint, Add	*13.02*	
		For Blind Flange, Deduct	*-29.32*	
23 21 13 23-1398	EA	3/4" Flange, 300 Lb., Screwed Carbon Steel	83.48	46.68
		For Ring Type Joint, Add	*13.45*	
		For Blind Flange, Deduct	*-30.70*	
23 21 13 23-1399	EA	1" Flange, 300 Lb., Screwed Carbon Steel	86.95	48.72
		For Ring Type Joint, Add	*13.88*	
		For Blind Flange, Deduct	*-32.00*	
23 21 13 23-1400	EA	1-1/2" Flange, 300 Lb., Screwed Carbon Steel	98.35	54.87
		For Ring Type Joint, Add	*16.06*	
		For Blind Flange, Deduct	*-36.13*	
23 21 13 23-1401	EA	2" Flange, 300 Lb., Screwed Carbon Steel	101.93	57.23
		For Ring Type Joint, Add	*16.06*	
		For Blind Flange, Deduct	*-37.56*	
23 21 13 23-1402	EA	1/2" Flange, 600 Lb., Screwed Carbon Steel	84.94	44.52
		For Ring Type Joint, Add	*18.14*	
		For Blind Flange, Deduct	*-30.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1403	EA	3/4" Flange, 600 Lb., Screwed Carbon Steel	88.17	46.68
		For Ring Type Joint, Add	*18.14*	
		For Blind Flange, Deduct	*-31.64*	
23 21 13 23-1404	EA	1" Flange, 600 Lb., Screwed Carbon Steel	92.03	48.72
		For Ring Type Joint, Add	*18.96*	
		For Blind Flange, Deduct	*-33.02*	
23 21 13 23-1405	EA	1-1/2" Flange, 600 Lb., Screwed Carbon Steel	104.64	54.87
		For Ring Type Joint, Add	*22.35*	
		For Blind Flange, Deduct	*-37.39*	
23 21 13 23-1406	EA	2" Flange, 600 Lb., Screwed Carbon Steel	106.68	57.23
		For Ring Type Joint, Add	*20.81*	
		For Blind Flange, Deduct	*-38.51*	
23 21 13 23-1407		**Square Head Plugs, Screwed Carbon Steel** *(23 21 13 23-1242)*		
23 21 13 23-1408	EA	1/4" Square Head Plug, Screwed Carbon Steel	5.66	3.02
23 21 13 23-1409	EA	1/2" Square Head Plug, Screwed Carbon Steel	6.78	3.56
23 21 13 23-1410	EA	3/4" Square Head Plug, Screwed Carbon Steel	7.86	4.10
23 21 13 23-1411	EA	1" Square Head Plug, Screwed Carbon Steel	11.46	6.03
23 21 13 23-1412	EA	1-1/2" Square Head Plug, Screwed Carbon Steel	14.48	6.03
23 21 13 23-1413	EA	2" Square Head Plug, Screwed Carbon Steel	20.86	7.87
23 21 13 23-1414		**Hex Head Plugs, Screwed Carbon Steel** *(23 21 13 23-1242)*		
23 21 13 23-1415	EA	1/4" Hex Head Plug, Screwed Carbon Steel	5.36	3.02
23 21 13 23-1416	EA	1/2" Hex Head Plug, Screwed Carbon Steel	6.50	3.56
23 21 13 23-1417	EA	3/4" Hex Head Plug, Screwed Carbon Steel	7.68	4.10
23 21 13 23-1418	EA	1" Hex Head Plug, Screwed Carbon Steel	11.30	6.03
23 21 13 23-1419	EA	1-1/2" Hex Head Plug, Screwed Carbon Steel	13.82	6.03
23 21 13 23-1420	EA	2" Hex Head Plug, Screwed Carbon Steel	21.33	7.87
23 21 13 23-1421		**Round Head Plugs, Screwed Carbon Steel** *(23 21 13 23-1242)*		
23 21 13 23-1422	EA	1/4" Round Head Plug, Screwed Carbon Steel	6.34	3.02
23 21 13 23-1423	EA	1/2" Round Head Plug, Screwed Carbon Steel	6.82	3.56
23 21 13 23-1424	EA	3/4" Round Head Plug, Screwed Carbon Steel	7.73	4.10
23 21 13 23-1425	EA	1" Round Head Plug, Screwed Carbon Steel	11.57	6.03
23 21 13 23-1426	EA	1-1/2" Round Head Plug, Screwed Carbon Steel	15.32	6.03
23 21 13 23-1427	EA	2" Round Head Plug, Screwed Carbon Steel	21.15	7.87
23 21 13 23-1428		**Hexagon Bushings, Screwed Carbon Steel** *(23 21 13 23-1242)*		
23 21 13 23-1429	EA	1/4" Hex Bushing, Screwed Carbon Steel	5.59	3.02
23 21 13 23-1430	EA	1/2" Hex Bushing, Screwed Carbon Steel	6.49	3.56
23 21 13 23-1431	EA	3/4" Hex Bushing, Screwed Carbon Steel	7.60	4.10
23 21 13 23-1432	EA	1" Hex Bushing, Screwed Carbon Steel	11.52	6.03
23 21 13 23-1433	EA	1-1/2" Hex Bushing, Screwed Carbon Steel	13.76	6.03
23 21 13 23-1434	EA	2" Hex Bushing, Screwed Carbon Steel	20.63	7.87
23 21 13 23-1435		**90 Degree Street Elbows, Screwed Carbon Steel** *(23 21 13 23-1242)*		
23 21 13 23-1436	EA	1/4" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	35.48	16.39
23 21 13 23-1437	EA	1/2" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	40.49	19.19
23 21 13 23-1438	EA	3/4" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	47.26	21.46
23 21 13 23-1439	EA	1" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	55.24	23.93
23 21 13 23-1440	EA	1-1/2" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	87.19	30.61
23 21 13 23-1441	EA	2" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	117.27	38.91
23 21 13 23-1442	EA	1/2" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	56.21	19.19
23 21 13 23-1443	EA	3/4" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	79.24	21.46
23 21 13 23-1444	EA	1" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	108.75	23.93
23 21 13 23-1445	EA	1-1/2" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	234.39	30.61
23 21 13 23-1446		**Screwed Carbon Steel Laterals** *(23 21 13 23-1242)*		
23 21 13 23-1447	EA	1/2" Lateral, Straight, 3,000 Lb., Screwed Carbon Steel	144.26	23.93
23 21 13 23-1448	EA	3/4" Lateral, Straight, 3,000 Lb., Screwed Carbon Steel	173.34	27.70
23 21 13 23-1449	EA	1" Lateral, Straight, 3,000 Lb., Screwed Carbon Steel	211.96	32.66
23 21 13 23-1450	EA	1-1/2" Lateral, Straight, 3,000 Lb., Screwed Carbon Steel	273.03	46.35
23 21 13 23-1451	EA	2" Lateral, Straight, 3,000 Lb., Screwed Carbon Steel	340.59	57.56
23 21 13 23-1452	EA	1/2" Lateral, Straight, 3,000 Lb., Screwed Carbon Steel	181.00	23.93
23 21 13 23-1453	EA	3/4" Lateral, Straight, 6,000 Lb., Screwed Carbon Steel	227.98	27.70
23 21 13 23-1454	EA	1" Lateral, Straight, 6,000 Lb., Screwed Carbon Steel	270.38	32.66
23 21 13 23-1455	EA	1-1/2" Lateral, Straight, 6,000 Lb., Screwed Carbon Steel	380.43	46.35
23 21 13 23-1456		**Grooved-Joint Pipe** *(23 21 13 23)*		
		Note: Includes grooving of pipe. Excludes hangers, elbow, tee, reducer fitting or couplings.		
23 21 13 23-1457		**Schedule 10 Black Grooved Pipe** *(23 21 13 23-1456)*		
23 21 13 23-1458	LF	2" Black Schedule 10 Grooved Pipe	31.94	13.69
		For Work In Restricted Working Space, Add	*6.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1459	LF	2-1/2" Black Schedule 10 Grooved Pipe	43.00	18.76
		For Work In Restricted Working Space, Add	*8.44*	
23 21 13 23-1460	LF	3" Black Schedule 10 Grooved Pipe	48.35	20.80
		For Work In Restricted Working Space, Add	*9.36*	
23 21 13 23-1461	LF	3-1/2" Black Schedule 10 Grooved Pipe	54.35	21.56
		For Work In Restricted Working Space, Add	*9.71*	
23 21 13 23-1462	LF	4" Black Schedule 10 Grooved Pipe	57.59	23.39
		For Work In Restricted Working Space, Add	*10.51*	
23 21 13 23-1463	LF	5" Black Schedule 10 Grooved Pipe	82.53	28.67
		For Work In Restricted Working Space, Add	*12.87*	
23 21 13 23-1464	LF	6" Black Schedule 10 Grooved Pipe	105.35	40.75
		For Work In Restricted Working Space, Add	*18.31*	
23 21 13 23-1465	LF	8" Black Schedule 10 Grooved Pipe	146.74	45.70
		For Work In Restricted Working Space, Add	*20.54*	
23 21 13 23-1466	LF	10" Black Schedule 10 Grooved Pipe	184.56	55.08
		For Work In Restricted Working Space, Add	*24.77*	
23 21 13 23-1467	LF	12" Black Schedule 10 Grooved Pipe	213.23	62.41
		For Work In Restricted Working Space, Add	*28.07*	

23 21 13 23-1468 Schedule 40 Black Grooved Pipe *(23 21 13 23-1456)*

23 21 13 23-1469	LF	3/4" Black Schedule 40 Grooved Pipe	19.13	8.30
		For Work In Restricted Working Space, Add	*3.72*	
23 21 13 23-1470	LF	1" Black Schedule 40 Grooved Pipe	21.62	9.38
		For Work In Restricted Working Space, Add	*4.19*	
23 21 13 23-1471	LF	1-1/4" Black Schedule 40 Grooved Pipe	24.71	10.13
		For Work In Restricted Working Space, Add	*4.55*	
23 21 13 23-1472	LF	1-1/2" Black Schedule 40 Grooved Pipe	28.11	11.53
		For Work In Restricted Working Space, Add	*5.18*	
23 21 13 23-1473	LF	2" Black Schedule 40 Grooved Pipe	35.40	14.66
		For Work In Restricted Working Space, Add	*6.61*	
23 21 13 23-1474	LF	2-1/2" Black Schedule 40 Grooved Pipe	49.39	20.05
		For Work In Restricted Working Space, Add	*9.03*	
23 21 13 23-1475	LF	3" Black Schedule 40 Grooved Pipe	58.52	22.86
		For Work In Restricted Working Space, Add	*10.30*	
23 21 13 23-1476	LF	4" Black Schedule 40 Grooved Pipe	72.55	25.43
		For Work In Restricted Working Space, Add	*11.45*	
23 21 13 23-1477	LF	5" Black Schedule 40 Grooved Pipe	101.01	30.93
		For Work In Restricted Working Space, Add	*13.92*	
23 21 13 23-1478	LF	6" Black Schedule 40 Grooved Pipe	135.06	44.62
		For Work In Restricted Working Space, Add	*20.05*	
23 21 13 23-1479	LF	8" Black Schedule 40 Grooved Pipe	181.71	50.56
		For Work In Restricted Working Space, Add	*22.76*	
23 21 13 23-1480	LF	10" Black Schedule 40 Grooved Pipe	253.09	60.37
		For Work In Restricted Working Space, Add	*27.17*	
23 21 13 23-1481	LF	12" Black Schedule 40 Grooved Pipe	298.63	69.31
		For Work In Restricted Working Space, Add	*31.19*	
23 21 13 23-1482	LF	14" Black Schedule 40 Grooved Pipe	393.62	93.67
		For Work In Restricted Working Space, Add	*42.11*	
23 21 13 23-1483	LF	16" Black Schedule 40 Grooved Pipe	456.19	110.16
		For Work In Restricted Working Space, Add	*49.54*	
23 21 13 23-1484	LF	18" Black Schedule 40 Grooved Pipe	567.16	133.77
		For Work In Restricted Working Space, Add	*60.15*	
23 21 13 23-1485	LF	20" Black Schedule 40 Grooved Pipe	653.49	155.97
		For Work In Restricted Working Space, Add	*70.18*	
23 21 13 23-1486	LF	24" Black Schedule 40 Grooved Pipe	859.03	187.24
		For Work In Restricted Working Space, Add	*84.21*	

23 21 13 23-1487 Schedule 80 Black Grooved Pipe *(23 21 13 23-1456)*

23 21 13 23-1488	LF	3/4" Black Schedule 80 Grooved Pipe	20.97	9.06
		For Work In Restricted Working Space, Add	*4.07*	
23 21 13 23-1489	LF	1" Black Schedule 80 Grooved Pipe	23.39	9.59
		For Work In Restricted Working Space, Add	*4.33*	
23 21 13 23-1490	LF	1-1/4" Black Schedule 80 Grooved Pipe	27.65	10.67
		For Work In Restricted Working Space, Add	*4.81*	
23 21 13 23-1491	LF	1-1/2" Black Schedule 80 Grooved Pipe	31.51	11.97
		For Work In Restricted Working Space, Add	*5.39*	
23 21 13 23-1492	LF	2" Black Schedule 80 Grooved Pipe	40.79	15.41
		For Work In Restricted Working Space, Add	*6.95*	
23 21 13 23-1493	LF	2-1/2" Black Schedule 80 Grooved Pipe	57.61	21.23
		For Work In Restricted Working Space, Add	*9.54*	
23 21 13 23-1494	LF	3" Black Schedule 80 Grooved Pipe	69.10	23.82
		For Work In Restricted Working Space, Add	*10.73*	
23 21 13 23-1495	LF	4" Black Schedule 80 Grooved Pipe	87.91	25.98
		For Work In Restricted Working Space, Add	*11.70*	
23 21 13 23-1496	LF	5" Black Schedule 80 Grooved Pipe	136.25	32.66
		For Work In Restricted Working Space, Add	*14.72*	
23 21 13 23-1497	LF	6" Black Schedule 80 Grooved Pipe	176.19	46.78
		For Work In Restricted Working Space, Add	*21.05*	
23 21 13 23-1498	LF	8" Black Schedule 80 Grooved Pipe	268.29	53.47
		For Work In Restricted Working Space, Add	*24.06*	
23 21 13 23-1499	LF	10" Black Schedule 80 Grooved Pipe	334.47	64.57
		For Work In Restricted Working Space, Add	*29.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1500	LF	12" Black Schedule 80 Grooved Pipe	349.51	78.05
		For Work In Restricted Working Space, Add	*35.09*	
23 21 13 23-1501		**Schedule 40 Galvanized Grooved Pipe** *(23 21 13 23-1456)*		
23 21 13 23-1502	LF	3/4" Galvanized Schedule 40 Grooved Pipe	18.85	8.30
		For Work In Restricted Working Space, Add	*3.72*	
23 21 13 23-1503	LF	1" Galvanized Schedule 40 Grooved Pipe	21.88	9.38
		For Work In Restricted Working Space, Add	*4.19*	
23 21 13 23-1504	LF	1-1/4" Galvanized Schedule 40 Grooved Pipe	24.40	10.13
		For Work In Restricted Working Space, Add	*4.55*	
23 21 13 23-1505	LF	1-1/2" Galvanized Schedule 40 Grooved Pipe	27.78	11.53
		For Work In Restricted Working Space, Add	*5.18*	
23 21 13 23-1506	LF	2" Galvanized Schedule 40 Grooved Pipe	35.13	14.66
		For Work In Restricted Working Space, Add	*6.61*	
23 21 13 23-1507	LF	2-1/2" Galvanized Schedule 40 Grooved Pipe	49.24	20.05
		For Work In Restricted Working Space, Add	*9.03*	
23 21 13 23-1508	LF	3" Galvanized Schedule 40 Grooved Pipe	58.55	22.86
		For Work In Restricted Working Space, Add	*10.30*	
23 21 13 23-1509	LF	4" Galvanized Schedule 40 Grooved Pipe	72.55	25.43
		For Work In Restricted Working Space, Add	*11.45*	
23 21 13 23-1510	LF	5" Galvanized Schedule 40 Grooved Pipe	102.38	30.93
		For Work In Restricted Working Space, Add	*13.92*	
23 21 13 23-1511	LF	6" Galvanized Schedule 40 Grooved Pipe	137.79	44.62
		For Work In Restricted Working Space, Add	*20.05*	
23 21 13 23-1512	LF	8" Galvanized Schedule 40 Grooved Pipe	183.85	50.56
		For Work In Restricted Working Space, Add	*22.76*	
23 21 13 23-1513	LF	10" Galvanized Schedule 40 Grooved Pipe	260.23	60.37
		For Work In Restricted Working Space, Add	*27.17*	
23 21 13 23-1514	LF	12" Galvanized Schedule 40 Grooved Pipe	307.58	69.31
		For Work In Restricted Working Space, Add	*31.19*	
23 21 13 23-1515		**Schedule 80 Galvanized Grooved Pipe** *(23 21 13 23-1456)*		
23 21 13 23-1516	LF	3/4" Galvanized Schedule 80 Grooved Pipe	20.24	9.06
		For Work In Restricted Working Space, Add	*4.07*	
23 21 13 23-1517	LF	1" Galvanized Schedule 80 Grooved Pipe	26.57	9.59
		For Work In Restricted Working Space, Add	*4.33*	
23 21 13 23-1518	LF	1-1/4" Galvanized Schedule 80 Grooved Pipe	26.79	10.67
		For Work In Restricted Working Space, Add	*4.81*	
23 21 13 23-1519	LF	1-1/2" Galvanized Schedule 80 Grooved Pipe	35.14	12.72
		For Work In Restricted Working Space, Add	*5.75*	
23 21 13 23-1520	LF	2" Galvanized Schedule 80 Grooved Pipe	39.65	15.41
		For Work In Restricted Working Space, Add	*6.95*	
23 21 13 23-1521	LF	2-1/2" Galvanized Schedule 80 Grooved Pipe	56.20	21.23
		For Work In Restricted Working Space, Add	*9.54*	
23 21 13 23-1522	LF	3" Galvanized Schedule 80 Grooved Pipe	67.75	23.82
		For Work In Restricted Working Space, Add	*10.73*	
23 21 13 23-1523	LF	4" Galvanized Schedule 80 Grooved Pipe	85.67	25.98
		For Work In Restricted Working Space, Add	*11.70*	
23 21 13 23-1524	LF	5" Galvanized Schedule 80 Grooved Pipe	129.62	32.66
		For Work In Restricted Working Space, Add	*14.72*	
23 21 13 23-1525	LF	6" Galvanized Schedule 80 Grooved Pipe	167.58	46.78
		For Work In Restricted Working Space, Add	*21.05*	
23 21 13 23-1526	LF	8" Galvanized Schedule 80 Grooved Pipe	252.16	53.47
		For Work In Restricted Working Space, Add	*24.06*	
23 21 13 23-1527	LF	10" Galvanized Schedule 80 Grooved Pipe	300.01	64.57
		For Work In Restricted Working Space, Add	*29.04*	
23 21 13 23-1528	LF	12" Galvanized Schedule 80 Grooved Pipe	328.60	78.05
		For Work In Restricted Working Space, Add	*35.09*	
23 21 13 23-1529		**Painted Grooved-Joint Pipe Fittings** *(23 21 13 23)*		
		Note: Couplings are not included with fittings.		
23 21 13 23-1530		**Grooved Elbows** *(23 21 13 23-1529)*		
23 21 13 23-1531		**90 Degree Grooved Elbows** *(23 21 13 23-1530)*		
		Note: Victaulic No. 10		
23 21 13 23-1532	EA	3/4", Ductile Iron, Grooved 90 Degree Elbow	78.52	11.75
		For Work In Restricted Working Space, Add	*5.29*	
		For Galvanized Fittings, Add	*20.10*	
23 21 13 23-1533	EA	1", Ductile Iron, Grooved 90 Degree Elbow	78.52	11.75
		For Work In Restricted Working Space, Add	*5.29*	
		For Galvanized Fittings, Add	*20.10*	
23 21 13 23-1534	EA	1-1/4", Ductile Iron, Grooved 90 Degree Elbow	82.92	14.66
		For Work In Restricted Working Space, Add	*6.61*	
		For Galvanized Fittings, Add	*20.10*	
23 21 13 23-1535	EA	1-1/2", Ductile Iron, Grooved 90 Degree Elbow	87.58	17.79
		For Work In Restricted Working Space, Add	*8.00*	
		For Galvanized Fittings, Add	*20.10*	
23 21 13 23-1536	EA	2", Ductile Iron, Grooved 90 Degree Elbow	96.13	23.50
		For Work In Restricted Working Space, Add	*10.57*	
		For Galvanized Fittings, Add	*20.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1537	EA	2-1/2", Ductile Iron, Grooved 90 Degree Elbow	103.81	28.67
		For Work In Restricted Working Space, Add	*12.87*	
		For Galvanized Fittings, Add	*20.10*	
23 21 13 23-1538	EA	3", Ductile Iron, Grooved 90 Degree Elbow	160.21	34.71
		For Work In Restricted Working Space, Add	*15.61*	
		For Galvanized Fittings, Add	*35.70*	
23 21 13 23-1539	EA	4", Ductile Iron, Grooved 90 Degree Elbow	186.50	45.81
		For Work In Restricted Working Space, Add	*20.60*	
		For Galvanized Fittings, Add	*38.89*	
23 21 13 23-1540	EA	5", Ductile Iron, Grooved 90 Degree Elbow	372.66	57.23
		For Work In Restricted Working Space, Add	*25.75*	
		For Galvanized Fittings, Add	*94.66*	
23 21 13 23-1541	EA	6", Ductile Iron, Grooved 90 Degree Elbow	445.63	74.91
		For Work In Restricted Working Space, Add	*33.68*	
		For Galvanized Fittings, Add	*110.01*	
23 21 13 23-1542	EA	8", Ductile Iron, Grooved 90 Degree Elbow	835.26	89.15
		For Work In Restricted Working Space, Add	*40.10*	
		For Galvanized Fittings, Add	*231.52*	
23 21 13 23-1543	EA	10", Ductile Iron, Grooved 90 Degree Elbow	1,249.04	104.01
		For Work In Restricted Working Space, Add	*46.79*	
		For Galvanized Fittings, Add	*360.72*	
23 21 13 23-1544	EA	12", Ductile Iron, Grooved 90 Degree Elbow	1,939.18	124.82
		For Work In Restricted Working Space, Add	*56.14*	
		For Galvanized Fittings, Add	*578.17*	
23 21 13 23-1545	EA	14", Steel, Grooved 90 Degree Elbow	3,854.90	140.88
		For Work In Restricted Working Space, Add	*63.38*	
		For Galvanized Fittings, Add	*1,202.40*	
23 21 13 23-1546	EA	16", Steel, Grooved 90 Degree Elbow	5,001.63	155.97
		For Work In Restricted Working Space, Add	*70.17*	
		For Galvanized Fittings, Add	*1,573.35*	
23 21 13 23-1547	EA	18", Steel, Grooved 90 Degree Elbow	6,302.32	170.41
		For Work In Restricted Working Space, Add	*76.64*	
		For Galvanized Fittings, Add	*1,995.47*	
23 21 13 23-1548	EA	20", Steel, Grooved 90 Degree Elbow	8,211.96	177.20
		For Work In Restricted Working Space, Add	*79.73*	
		For Galvanized Fittings, Add	*2,622.25*	
23 21 13 23-1549	EA	24", Steel, Grooved 90 Degree Elbow	11,748.86	209.55
		For Work In Restricted Working Space, Add	*94.22*	
		For Galvanized Fittings, Add	*3,773.48*	

23 21 13 23-1550 45 Degree Grooved Elbows *(23 21 13 23-1530)*

Note: Victaulic No. 11

23 21 13 23-1551	EA	3/4", Ductile Iron, Grooved 45 Degree Elbow	78.48	11.75
		For Work In Restricted Working Space, Add	*5.29*	
		For Galvanized Fittings, Add	*14.61*	
23 21 13 23-1552	EA	1", Ductile Iron, Grooved 45 Degree Elbow	78.48	11.75
		For Work In Restricted Working Space, Add	*5.29*	
		For Galvanized Fittings, Add	*14.61*	
23 21 13 23-1553	EA	1-1/4", Ductile Iron, Grooved 45 Degree Elbow	82.88	14.66
		For Work In Restricted Working Space, Add	*6.61*	
		For Galvanized Fittings, Add	*14.61*	
23 21 13 23-1554	EA	1-1/2", Ductile Iron, Grooved 45 Degree Elbow	87.54	17.79
		For Work In Restricted Working Space, Add	*8.00*	
		For Galvanized Fittings, Add	*14.61*	
23 21 13 23-1555	EA	2", Ductile Iron, Grooved 45 Degree Elbow	96.09	23.50
		For Work In Restricted Working Space, Add	*10.57*	
		For Galvanized Fittings, Add	*14.61*	
23 21 13 23-1556	EA	2-1/2", Ductile Iron, Grooved 45 Degree Elbow	103.77	28.67
		For Work In Restricted Working Space, Add	*12.87*	
		For Galvanized Fittings, Add	*14.61*	
23 21 13 23-1557	EA	3", Ductile Iron, Grooved 45 Degree Elbow	160.17	34.71
		For Work In Restricted Working Space, Add	*15.61*	
		For Galvanized Fittings, Add	*25.96*	
23 21 13 23-1558	EA	4", Ductile Iron, Grooved 45 Degree Elbow	186.50	45.81
		For Work In Restricted Working Space, Add	*20.60*	
		For Galvanized Fittings, Add	*28.28*	
23 21 13 23-1559	EA	5", Ductile Iron, Grooved 45 Degree Elbow	372.66	57.23
		For Work In Restricted Working Space, Add	*25.75*	
		For Galvanized Fittings, Add	*68.84*	
23 21 13 23-1560	EA	6", Ductile Iron, Grooved 45 Degree Elbow	445.63	74.91
		For Work In Restricted Working Space, Add	*33.68*	
		For Galvanized Fittings, Add	*80.00*	
23 21 13 23-1561	EA	8", Ductile Iron, Grooved 45 Degree Elbow	835.26	89.15
		For Work In Restricted Working Space, Add	*40.10*	
		For Galvanized Fittings, Add	*168.38*	
23 21 13 23-1562	EA	10", Ductile Iron, Grooved 45 Degree Elbow	1,249.04	104.01
		For Work In Restricted Working Space, Add	*46.79*	
		For Galvanized Fittings, Add	*262.34*	
23 21 13 23-1563	EA	12", Ductile Iron, Grooved 45 Degree Elbow	1,939.18	124.82
		For Work In Restricted Working Space, Add	*56.14*	
		For Galvanized Fittings, Add	*420.49*	
23 21 13 23-1564	EA	14", Steel, Grooved 45 Degree Elbow	3,854.90	140.88
		For Work In Restricted Working Space, Add	*63.38*	
		For Galvanized Fittings, Add	*874.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1565	EA	16", Steel, Grooved 45 Degree Elbow	5,001.63	155.97
		For Work In Restricted Working Space, Add	*70.17*	
		For Galvanized Fittings, Add	*1,144.26*	
23 21 13 23-1566	EA	18", Steel, Grooved 45 Degree Elbow	6,302.32	170.41
		For Work In Restricted Working Space, Add	*76.64*	
		For Galvanized Fittings, Add	*1,451.25*	
23 21 13 23-1567	EA	20", Steel, Grooved 45 Degree Elbow	8,212.44	177.54
		For Work In Restricted Working Space, Add	*79.87*	
		For Galvanized Fittings, Add	*1,907.09*	
23 21 13 23-1568	EA	24", Steel, Grooved 45 Degree Elbow	11,748.86	209.55
		For Work In Restricted Working Space, Add	*94.22*	
		For Galvanized Fittings, Add	*2,744.35*	

23 21 13 23-1569 22-1/2 Degree Grooved Elbows *(23 21 13 23-1530)*

Note: Victaulic No. 12

23 21 13 23-1570	EA	1", Ductile Iron, Grooved 22-1/2 Degree Elbow	82.48	11.75
		For Work In Restricted Working Space, Add	*5.29*	
		For Galvanized Fittings, Add	*15.57*	
23 21 13 23-1571	EA	1-1/4", Ductile Iron, Grooved 22-1/2 Degree Elbow	86.88	14.66
		For Work In Restricted Working Space, Add	*6.61*	
		For Galvanized Fittings, Add	*15.57*	
23 21 13 23-1572	EA	1-1/2", Ductile Iron, Grooved 22-1/2 Degree Elbow	91.54	17.79
		For Work In Restricted Working Space, Add	*8.00*	
		For Galvanized Fittings, Add	*15.57*	
23 21 13 23-1573	EA	2", Ductile Iron, Grooved 22-1/2 Degree Elbow	100.09	23.50
		For Work In Restricted Working Space, Add	*10.57*	
		For Galvanized Fittings, Add	*15.57*	
23 21 13 23-1574	EA	2-1/2", Ductile Iron, Grooved 22-1/2 Degree Elbow	107.77	28.67
		For Work In Restricted Working Space, Add	*12.87*	
		For Galvanized Fittings, Add	*15.57*	
23 21 13 23-1575	EA	3", Ductile Iron, Grooved 22-1/2 Degree Elbow	146.89	34.71
		For Work In Restricted Working Space, Add	*15.61*	
		For Galvanized Fittings, Add	*22.77*	
23 21 13 23-1576	EA	4", Ductile Iron, Grooved 22-1/2 Degree Elbow	195.87	45.81
		For Work In Restricted Working Space, Add	*20.60*	
		For Galvanized Fittings, Add	*30.53*	
23 21 13 23-1577	EA	5", Ductile Iron, Grooved 22-1/2 Degree Elbow	480.31	57.23
		For Work In Restricted Working Space, Add	*25.75*	
		For Galvanized Fittings, Add	*94.68*	
23 21 13 23-1578	EA	6", Ductile Iron, Grooved 22-1/2 Degree Elbow	472.67	74.91
		For Work In Restricted Working Space, Add	*33.68*	
		For Galvanized Fittings, Add	*86.49*	
23 21 13 23-1579	EA	8", Ductile Iron, Grooved 22-1/2 Degree Elbow	887.71	89.15
		For Work In Restricted Working Space, Add	*40.10*	
		For Galvanized Fittings, Add	*180.97*	
23 21 13 23-1580	EA	10", Steel, Grooved 22-1/2 Degree Elbow	1,191.16	104.01
		For Work In Restricted Working Space, Add	*46.79*	
		For Galvanized Fittings, Add	*248.45*	
23 21 13 23-1581	EA	12", Steel, Grooved 22-1/2 Degree Elbow	1,586.65	124.82
		For Work In Restricted Working Space, Add	*56.14*	
		For Galvanized Fittings, Add	*335.88*	
23 21 13 23-1582	EA	14", Steel, Grooved 22-1/2 Degree Elbow	1,827.74	140.88
		For Work In Restricted Working Space, Add	*63.38*	
		For Galvanized Fittings, Add	*387.95*	
23 21 13 23-1583	EA	16", Steel, Grooved 22-1/2 Degree Elbow	2,172.64	155.97
		For Work In Restricted Working Space, Add	*70.17*	
		For Galvanized Fittings, Add	*465.30*	
23 21 13 23-1584	EA	18", Steel, Grooved 22-1/2 Degree Elbow	2,603.40	170.41
		For Work In Restricted Working Space, Add	*76.64*	
		For Galvanized Fittings, Add	*563.51*	
23 21 13 23-1585	EA	20", Steel, Grooved 22-1/2 Degree Elbow	3,041.65	177.20
		For Work In Restricted Working Space, Add	*79.73*	
		For Galvanized Fittings, Add	*666.22*	
23 21 13 23-1586	EA	24", Steel, Grooved 22-1/2 Degree Elbow	4,044.29	209.55
		For Work In Restricted Working Space, Add	*94.22*	
		For Galvanized Fittings, Add	*895.25*	

23 21 13 23-1587 11-1/4 Degree Grooved Elbows *(23 21 13 23-1530)*

Note: Victaulic No. 13

23 21 13 23-1588	EA	1", Ductile Iron, Grooved 11-1/4 Degree Elbow	82.48	11.75
		For Work In Restricted Working Space, Add	*5.29*	
		For Galvanized Fittings, Add	*15.57*	
23 21 13 23-1589	EA	1-1/4", Ductile Iron, Grooved 11-1/4 Degree Elbow	86.88	14.66
		For Work In Restricted Working Space, Add	*6.61*	
		For Galvanized Fittings, Add	*15.57*	
23 21 13 23-1590	EA	1-1/2", Ductile Iron, Grooved 11-1/4 Degree Elbow	91.54	17.79
		For Work In Restricted Working Space, Add	*8.00*	
		For Galvanized Fittings, Add	*15.57*	
23 21 13 23-1591	EA	2", Ductile Iron, Grooved 11-1/4 Degree Elbow	100.09	23.50
		For Work In Restricted Working Space, Add	*10.57*	
		For Galvanized Fittings, Add	*15.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1592	EA	2-1/2", Ductile Iron, Grooved 11-1/4 Degree Elbow	107.77	28.67
		For Work In Restricted Working Space, Add	*12.87*	
		For Galvanized Fittings, Add	*15.57*	
23 21 13 23-1593	EA	3", Ductile Iron, Grooved 11-1/4 Degree Elbow	146.89	34.71
		For Work In Restricted Working Space, Add	*15.61*	
		For Galvanized Fittings, Add	*22.77*	
23 21 13 23-1594	EA	4", Ductile Iron, Grooved 11-1/4 Degree Elbow	195.86	45.81
		For Work In Restricted Working Space, Add	*20.60*	
		For Galvanized Fittings, Add	*30.53*	
23 21 13 23-1595	EA	5", Ductile Iron, Grooved 11-1/4 Degree Elbow	480.30	57.23
		For Work In Restricted Working Space, Add	*25.75*	
		For Galvanized Fittings, Add	*94.68*	
23 21 13 23-1596	EA	6", Ductile Iron, Grooved 11-1/4 Degree Elbow	472.65	74.91
		For Work In Restricted Working Space, Add	*33.68*	
		For Galvanized Fittings, Add	*86.49*	
23 21 13 23-1597	EA	8", Ductile Iron, Grooved 11-1/4 Degree Elbow	887.67	89.15
		For Work In Restricted Working Space, Add	*40.10*	
		For Galvanized Fittings, Add	*180.96*	
23 21 13 23-1598	EA	10", Steel, Grooved 11-1/4 Degree Elbow	1,191.10	104.01
		For Work In Restricted Working Space, Add	*46.79*	
		For Galvanized Fittings, Add	*248.44*	
23 21 13 23-1599	EA	12", Steel, Grooved 11-1/4 Degree Elbow	1,586.57	124.82
		For Work In Restricted Working Space, Add	*56.14*	
		For Galvanized Fittings, Add	*335.86*	
23 21 13 23-1600	EA	14", Steel, Grooved 11-1/4 Degree Elbow	1,827.66	140.88
		For Work In Restricted Working Space, Add	*63.39*	
		For Galvanized Fittings, Add	*387.93*	
23 21 13 23-1601	EA	16", Steel, Grooved 11-1/4 Degree Elbow	2,172.57	156.08
		For Work In Restricted Working Space, Add	*70.18*	
		For Galvanized Fittings, Add	*465.27*	
23 21 13 23-1602	EA	18", Steel, Grooved 11-1/4 Degree Elbow	2,603.25	170.41
		For Work In Restricted Working Space, Add	*76.63*	
		For Galvanized Fittings, Add	*563.48*	
23 21 13 23-1603	EA	20", Steel, Grooved 11-1/4 Degree Elbow	3,041.50	177.20
		For Work In Restricted Working Space, Add	*79.73*	
		For Galvanized Fittings, Add	*666.18*	
23 21 13 23-1604	EA	24", Steel, Grooved 11-1/4 Degree Elbow	4,044.09	209.55
		For Work In Restricted Working Space, Add	*94.22*	
		For Galvanized Fittings, Add	*895.20*	

23 21 13 23-1605 90 Degree Grooved Long Radius Elbows *(23 21 13 23-1530)*

Note: Victaulic No. 100

23 21 13 23-1606	EA	2", Ductile Iron, Grooved 90 Degree Long Radius Elbow	174.46	23.50
		For Work In Restricted Working Space, Add	*10.57*	
		For Galvanized Fittings, Add	*33.42*	
23 21 13 23-1607	EA	2-1/2", Ductile Iron, Grooved 90 Degree Long Radius Elbow	446.90	28.67
		For Work In Restricted Working Space, Add	*12.87*	
		For Galvanized Fittings, Add	*96.96*	
23 21 13 23-1608	EA	3", Ductile Iron, Grooved 90 Degree Long Radius Elbow	191.25	34.71
		For Work In Restricted Working Space, Add	*15.61*	
		For Galvanized Fittings, Add	*33.42*	
23 21 13 23-1609	EA	4", Ductile Iron, Grooved 90 Degree Long Radius Elbow	277.23	45.81
		For Work In Restricted Working Space, Add	*20.60*	
		For Galvanized Fittings, Add	*50.06*	
23 21 13 23-1610	EA	5", Ductile Iron, Grooved 90 Degree Long Radius Elbow	1,154.83	57.23
		For Work In Restricted Working Space, Add	*25.75*	
		For Galvanized Fittings, Add	*256.56*	
23 21 13 23-1611	EA	6", Ductile Iron, Grooved 90 Degree Long Radius Elbow	722.41	74.91
		For Work In Restricted Working Space, Add	*33.68*	
		For Galvanized Fittings, Add	*146.43*	
23 21 13 23-1612	EA	8", Ductile Iron, Grooved, 90 Degree Long Radius Elbow	1,597.17	89.15
		For Work In Restricted Working Space, Add	*40.10*	
		For Galvanized Fittings, Add	*351.24*	
23 21 13 23-1613	EA	10", Ductile Iron, Grooved 90 Degree Long Radius Elbow	3,190.40	104.01
		For Work In Restricted Working Space, Add	*46.79*	
		For Galvanized Fittings, Add	*728.27*	
23 21 13 23-1614	EA	12", Ductile Iron, Grooved 90 Degree Long Radius Elbow	3,805.72	124.82
		For Work In Restricted Working Space, Add	*56.14*	
		For Galvanized Fittings, Add	*868.46*	

23 21 13 23-1615 Grooved Tees, Wyes And Crosses *(23 21 13 23-1529)*

23 21 13 23-1616 Grooved Tees *(23 21 13 23-1615)*

Note: Victaulic No. 20

23 21 13 23-1617	EA	3/4", Ductile Iron, Grooved Tee	116.24	15.41
		For Work In Restricted Working Space, Add	*6.95*	
		For Galvanized Fittings, Add	*27.92*	
23 21 13 23-1618	EA	1", Ductile Iron, Grooved Tee	119.74	17.79
		For Work In Restricted Working Space, Add	*8.00*	
		For Galvanized Fittings, Add	*27.92*	
23 21 13 23-1619	EA	1-1/4", Ductile Iron, Grooved Tee	125.68	21.78
		For Work In Restricted Working Space, Add	*9.79*	
		For Galvanized Fittings, Add	*27.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1620	EA	1-1/2", Ductile Iron, Grooved Tee	133.09	26.73
		For Work In Restricted Working Space, Add	*12.01*	
		For Galvanized Fittings, Add	*27.92*	
23 21 13 23-1621	EA	2", Ductile Iron, Grooved Tee	144.87	34.60
		For Work In Restricted Working Space, Add	*15.54*	
		For Galvanized Fittings, Add	*27.92*	
23 21 13 23-1622	EA	2-1/2", Ductile Iron, Grooved Tee	156.63	42.37
		For Work In Restricted Working Space, Add	*19.07*	
		For Galvanized Fittings, Add	*27.92*	
23 21 13 23-1623	EA	3", Ductile Iron, Grooved Tee	208.37	52.07
		For Work In Restricted Working Space, Add	*23.40*	
		For Galvanized Fittings, Add	*39.11*	
23 21 13 23-1624	EA	4", Ductile Iron, Grooved Tee	300.92	67.37
		For Work In Restricted Working Space, Add	*30.29*	
		For Galvanized Fittings, Add	*59.99*	
23 21 13 23-1625	EA	5", Ductile Iron, Grooved Tee	601.19	88.07
		For Work In Restricted Working Space, Add	*39.61*	
		For Galvanized Fittings, Add	*140.75*	
23 21 13 23-1626	EA	6", Ductile Iron, Grooved Tee	707.34	110.16
		For Work In Restricted Working Space, Add	*49.54*	
		For Galvanized Fittings, Add	*162.66*	
23 21 13 23-1627	EA	8", Ductile Iron, Grooved Tee	1,384.90	133.77
		For Work In Restricted Working Space, Add	*60.15*	
		For Galvanized Fittings, Add	*355.32*	
23 21 13 23-1628	EA	10", Ductile Iron, Grooved Tee	2,348.92	155.97
		For Work In Restricted Working Space, Add	*70.18*	
		For Galvanized Fittings, Add	*634.50*	
23 21 13 23-1629	EA	12", Ductile Iron, Grooved Tee	3,241.69	187.24
		For Work In Restricted Working Space, Add	*84.21*	
		For Galvanized Fittings, Add	*888.30*	
23 21 13 23-1630	EA	14", Steel, Grooved Tee	3,542.08	208.04
		For Work In Restricted Working Space, Add	*93.57*	
		For Galvanized Fittings, Add	*969.05*	
23 21 13 23-1631	EA	16", Steel, Grooved Tee	4,428.30	209.22
		For Work In Restricted Working Space, Add	*94.10*	
		For Galvanized Fittings, Add	*1,234.39*	
23 21 13 23-1632	EA	18", Steel, Grooved Tee	5,498.88	230.78
		For Work In Restricted Working Space, Add	*103.79*	
		For Galvanized Fittings, Add	*1,545.87*	
23 21 13 23-1633	EA	20", Steel, Grooved Tee	7,734.69	234.45
		For Work In Restricted Working Space, Add	*105.43*	
		For Galvanized Fittings, Add	*2,214.98*	
23 21 13 23-1634	EA	24", Steel, Grooved Tee	11,775.93	288.02
		For Work In Restricted Working Space, Add	*129.56*	
		For Galvanized Fittings, Add	*3,403.22*	

23 21 13 23-1635 Grooved Wyes (90 Degree True Wye) *(23 21 13 23-1615)*

Note: Victaulic No. 33

23 21 13 23-1636	EA	1", Steel, Grooved Wye	419.33	17.79
		For Work In Restricted Working Space, Add	*8.00*	
		For Galvanized Fittings, Add	*62.82*	
23 21 13 23-1637	EA	1-1/4", Steel, Grooved Wye	425.27	21.78
		For Work In Restricted Working Space, Add	*9.79*	
		For Galvanized Fittings, Add	*62.82*	
23 21 13 23-1638	EA	1-1/2", Steel, Grooved Wye	432.68	26.73
		For Work In Restricted Working Space, Add	*12.01*	
		For Galvanized Fittings, Add	*62.82*	
23 21 13 23-1639	EA	2", Steel, Grooved Wye	444.46	34.60
		For Work In Restricted Working Space, Add	*15.54*	
		For Galvanized Fittings, Add	*62.82*	
23 21 13 23-1640	EA	2-1/2", Steel, Grooved Wye	456.22	42.37
		For Work In Restricted Working Space, Add	*19.07*	
		For Galvanized Fittings, Add	*62.82*	
23 21 13 23-1641	EA	3", Steel, Grooved Wye	547.36	52.07
		For Work In Restricted Working Space, Add	*23.40*	
		For Galvanized Fittings, Add	*75.10*	
23 21 13 23-1642	EA	4", Steel, Grooved Wye	715.72	67.37
		For Work In Restricted Working Space, Add	*30.29*	
		For Galvanized Fittings, Add	*98.36*	
23 21 13 23-1643	EA	5", Steel, Grooved Wye	1,013.21	88.07
		For Work In Restricted Working Space, Add	*39.61*	
		For Galvanized Fittings, Add	*140.99*	
23 21 13 23-1644	EA	6", Steel, Grooved Wye	1,255.39	110.16
		For Work In Restricted Working Space, Add	*49.54*	
		For Galvanized Fittings, Add	*174.44*	
23 21 13 23-1645	EA	8", Steel, Grooved Wye	1,770.78	133.77
		For Work In Restricted Working Space, Add	*60.15*	
		For Galvanized Fittings, Add	*251.24*	
23 21 13 23-1646	EA	10", Steel, Grooved Wye	2,944.19	155.97
		For Work In Restricted Working Space, Add	*70.18*	
		For Galvanized Fittings, Add	*433.64*	
23 21 13 23-1647	EA	12", Steel, Grooved Wye	3,274.92	187.24
		For Work In Restricted Working Space, Add	*84.21*	
		For Galvanized Fittings, Add	*479.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1648	EA	14", Steel, Grooved Wye	3,730.96	208.04
		For Work In Restricted Working Space, Add	*93.57*	
		For Galvanized Fittings, Add	*547.05*	
23 21 13 23-1649	EA	16", Steel, Grooved Wye	4,754.28	209.00
		For Work In Restricted Working Space, Add	*94.01*	
		For Galvanized Fittings, Add	*710.55*	
23 21 13 23-1650	EA	18", Steel, Grooved Wye	5,426.26	230.99
		For Work In Restricted Working Space, Add	*103.91*	
		For Galvanized Fittings, Add	*812.78*	
23 21 13 23-1651	EA	20", Steel, Grooved Wye	7,718.45	234.01
		For Work In Restricted Working Space, Add	*105.26*	
		For Galvanized Fittings, Add	*1,178.81*	
23 21 13 23-1652	EA	24", Steel, Grooved Wye	11,886.37	288.02
		For Work In Restricted Working Space, Add	*129.56*	
		For Galvanized Fittings, Add	*1,832.72*	

23 21 13 23-1653 Grooved Crosses *(23 21 13 23-1615)*

Note: Victaulic No. 35

23 21 13 23-1654	EA	3/4", Steel, Grooved Cross	288.97	23.18
		For Work In Restricted Working Space, Add	*10.43*	
		For Galvanized Fittings, Add	*38.13*	
23 21 13 23-1655	EA	1", Steel, Grooved Cross	294.24	26.73
		For Work In Restricted Working Space, Add	*12.01*	
		For Galvanized Fittings, Add	*38.13*	
23 21 13 23-1656	EA	1-1/4", Steel, Grooved Cross	355.74	32.66
		For Work In Restricted Working Space, Add	*14.68*	
		For Galvanized Fittings, Add	*46.02*	
23 21 13 23-1657	EA	1-1/2", Steel, Grooved Cross	390.65	40.10
		For Work In Restricted Working Space, Add	*18.01*	
		For Galvanized Fittings, Add	*49.59*	
23 21 13 23-1658	EA	2", Steel, Grooved Cross	264.54	51.85
		For Work In Restricted Working Space, Add	*23.31*	
		For Galvanized Fittings, Add	*28.03*	
23 21 13 23-1659	EA	2-1/2", Steel, Grooved Cross	282.20	63.60
		For Work In Restricted Working Space, Add	*28.61*	
		For Galvanized Fittings, Add	*28.03*	
23 21 13 23-1660	EA	3", Steel, Grooved Cross	452.76	78.05
		For Work In Restricted Working Space, Add	*35.11*	
		For Galvanized Fittings, Add	*50.36*	
23 21 13 23-1661	EA	4", Steel, Grooved Cross	710.32	101.00
		For Work In Restricted Working Space, Add	*45.44*	
		For Galvanized Fittings, Add	*83.83*	
23 21 13 23-1662	EA	5", Steel, Grooved Cross	1,339.78	132.05
		For Work In Restricted Working Space, Add	*59.41*	
		For Galvanized Fittings, Add	*171.26*	
23 21 13 23-1663	EA	6", Steel, Grooved Cross	1,716.64	165.25
		For Work In Restricted Working Space, Add	*74.30*	
		For Galvanized Fittings, Add	*220.34*	
23 21 13 23-1664	EA	8", Steel, Grooved Cross	2,235.38	200.60
		For Work In Restricted Working Space, Add	*90.23*	
		For Galvanized Fittings, Add	*290.19*	
23 21 13 23-1665	EA	10", Steel, Grooved Cross	3,650.48	234.01
		For Work In Restricted Working Space, Add	*105.26*	
		For Galvanized Fittings, Add	*494.94*	
23 21 13 23-1666	EA	12", Steel, Grooved Cross	5,182.65	280.90
		For Work In Restricted Working Space, Add	*126.32*	
		For Galvanized Fittings, Add	*714.24*	
23 21 13 23-1667	EA	14", Steel, Grooved Cross	5,401.09	312.05
		For Work In Restricted Working Space, Add	*140.35*	
		For Galvanized Fittings, Add	*739.99*	
23 21 13 23-1668	EA	16", Steel, Grooved Cross	6,924.02	313.88
		For Work In Restricted Working Space, Add	*141.16*	
		For Galvanized Fittings, Add	*968.02*	
23 21 13 23-1669	EA	18", Steel, Grooved Cross	8,429.37	346.12
		For Work In Restricted Working Space, Add	*155.68*	
		For Galvanized Fittings, Add	*1,186.57*	
23 21 13 23-1670	EA	20", Steel, Grooved Cross	11,733.91	351.51
		For Work In Restricted Working Space, Add	*158.12*	
		For Galvanized Fittings, Add	*1,681.03*	
23 21 13 23-1671	EA	24", Steel, Grooved Cross	17,948.70	432.03
		For Work In Restricted Working Space, Add	*194.33*	
		For Galvanized Fittings, Add	*2,595.14*	

23 21 13 23-1672 Grooved Reducing Tees *(23 21 13 23-1615)*

Note: Victaulic No. 25

23 21 13 23-1673	EA	1", Steel, Grooved Reducing Tee	206.24	17.79
		For Work In Restricted Working Space, Add	*8.00*	
		For Galvanized Fittings, Add	*35.91*	
23 21 13 23-1674	EA	1-1/4", Steel, Grooved Reducing Tee	217.82	21.78
		For Work In Restricted Working Space, Add	*9.79*	
		For Galvanized Fittings, Add	*37.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1675	EA	1-1/2", Steel, Grooved Reducing Tee	229.84	26.73
		For Work In Restricted Working Space, Add	*12.01*	
		For Galvanized Fittings, Add	*37.96*	
23 21 13 23-1676	EA	2", Steel, Grooved Reducing Tee	274.03	34.60
		For Work In Restricted Working Space, Add	*15.54*	
		For Galvanized Fittings, Add	*44.44*	
23 21 13 23-1677	EA	2-1/2", Steel, Grooved Reducing Tee	308.65	42.37
		For Work In Restricted Working Space, Add	*19.07*	
		For Galvanized Fittings, Add	*49.02*	
23 21 13 23-1678	EA	3", Steel, Grooved Reducing Tee	346.27	52.07
		For Work In Restricted Working Space, Add	*23.40*	
		For Galvanized Fittings, Add	*53.65*	
23 21 13 23-1679	EA	4", Steel, Grooved Reducing Tee	462.74	67.37
		For Work In Restricted Working Space, Add	*30.29*	
		For Galvanized Fittings, Add	*72.36*	
23 21 13 23-1680	EA	5", Steel, Grooved Reducing Tee	609.75	88.07
		For Work In Restricted Working Space, Add	*39.61*	
		For Galvanized Fittings, Add	*95.54*	
23 21 13 23-1681	EA	6", Steel, Grooved Reducing Tee	837.14	110.16
		For Work In Restricted Working Space, Add	*49.54*	
		For Galvanized Fittings, Add	*134.40*	
23 21 13 23-1682	EA	8", Steel, Grooved Reducing Tee	1,309.32	133.77
		For Work In Restricted Working Space, Add	*60.15*	
		For Galvanized Fittings, Add	*221.76*	
23 21 13 23-1683	EA	10", Steel, Grooved Reducing Tee	1,868.55	155.97
		For Work In Restricted Working Space, Add	*70.18*	
		For Galvanized Fittings, Add	*326.93*	
23 21 13 23-1684	EA	12", Steel, Grooved Reducing Tee	2,692.05	187.24
		For Work In Restricted Working Space, Add	*84.21*	
		For Galvanized Fittings, Add	*482.27*	
23 21 13 23-1685	EA	14", Steel, Grooved Reducing Tee	3,050.68	208.04
		For Work In Restricted Working Space, Add	*93.57*	
		For Galvanized Fittings, Add	*547.76*	
23 21 13 23-1686	EA	16", Steel, Grooved Reducing Tee	3,871.31	209.22
		For Work In Restricted Working Space, Add	*94.11*	
		For Galvanized Fittings, Add	*711.52*	
23 21 13 23-1687	EA	18", Steel, Grooved Reducing Tee	4,701.32	230.78
		For Work In Restricted Working Space, Add	*103.78*	
		For Galvanized Fittings, Add	*871.08*	
23 21 13 23-1688	EA	20", Steel, Grooved Reducing Tee	6,580.35	234.34
		For Work In Restricted Working Space, Add	*105.40*	
		For Galvanized Fittings, Add	*1,245.80*	
23 21 13 23-1689	EA	24", Steel, Grooved Reducing Tee	10,465.50	288.02
		For Work In Restricted Working Space, Add	*129.56*	
		For Galvanized Fittings, Add	*2,006.73*	

23 21 13 23-1690 Grooved 45 Degree Lateral Wyes *(23 21 13 23-1615)*

Note: Victaulic No. 30

23 21 13 23-1691	EA	3/4", Steel, Grooved, 45 Degree Lateral Wye	395.02	15.41
		For Work In Restricted Working Space, Add	*6.95*	
		For Galvanized Fittings, Add	*66.93*	
23 21 13 23-1692	EA	1", Steel, Grooved, 45 Degree Lateral Wye	398.52	17.79
		For Work In Restricted Working Space, Add	*8.00*	
		For Galvanized Fittings, Add	*66.93*	
23 21 13 23-1693	EA	1-1/4", Steel, Grooved, 45 Degree Lateral Wye	404.46	21.78
		For Work In Restricted Working Space, Add	*9.79*	
		For Galvanized Fittings, Add	*66.93*	
23 21 13 23-1694	EA	1-1/2", Steel, Grooved, 45 Degree Lateral Wye	411.87	26.73
		For Work In Restricted Working Space, Add	*12.01*	
		For Galvanized Fittings, Add	*66.93*	
23 21 13 23-1695	EA	2", Steel, Grooved, 45 Degree Lateral Wye	423.65	34.60
		For Work In Restricted Working Space, Add	*15.54*	
		For Galvanized Fittings, Add	*66.93*	
23 21 13 23-1696	EA	2-1/2", Steel, Grooved, 45 Degree Lateral Wye	435.41	42.37
		For Work In Restricted Working Space, Add	*19.07*	
		For Galvanized Fittings, Add	*66.93*	
23 21 13 23-1697	EA	3", Steel, Grooved, 45 Degree Lateral Wye	399.25	52.07
		For Work In Restricted Working Space, Add	*23.40*	
		For Galvanized Fittings, Add	*57.82*	
23 21 13 23-1698	EA	3-1/2", Steel, Grooved, 45 Degree Lateral Wye	634.19	60.03
		For Work In Restricted Working Space, Add	*26.98*	
		For Galvanized Fittings, Add	*97.97*	
23 21 13 23-1699	EA	4", Steel, Grooved, 45 Degree Lateral Wye	734.48	67.37
		For Work In Restricted Working Space, Add	*30.29*	
		For Galvanized Fittings, Add	*114.03*	
23 21 13 23-1700	EA	5", Steel, Grooved, 45 Degree Lateral Wye	1,057.91	88.07
		For Work In Restricted Working Space, Add	*39.61*	
		For Galvanized Fittings, Add	*166.66*	
23 21 13 23-1701	EA	6", Steel, Grooved, 45 Degree Lateral Wye	1,656.87	110.16
		For Work In Restricted Working Space, Add	*49.54*	
		For Galvanized Fittings, Add	*268.51*	
23 21 13 23-1702	EA	8", Steel, Grooved, 45 Degree Lateral Wye	2,349.15	133.77
		For Work In Restricted Working Space, Add	*60.15*	
		For Galvanized Fittings, Add	*386.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1703	EA	10", Steel, Grooved, 45 Degree Lateral Wye	3,266.69	155.97
		For Work In Restricted Working Space, Add	*70.18*	
		For Galvanized Fittings, Add	*545.90*	
23 21 13 23-1704	EA	12", Steel, Grooved, 45 Degree Lateral Wye	3,947.46	187.24
		For Work In Restricted Working Space, Add	*84.21*	
		For Galvanized Fittings, Add	*660.02*	
23 21 13 23-1705	EA	14", Steel, Grooved, 45 Degree Lateral Wye	5,663.77	208.04
		For Work In Restricted Working Space, Add	*93.57*	
		For Galvanized Fittings, Add	*963.34*	
23 21 13 23-1706	EA	16", Steel, Grooved, 45 Degree Lateral Wye	6,999.64	209.22
		For Work In Restricted Working Space, Add	*94.11*	
		For Galvanized Fittings, Add	*1,203.47*	
23 21 13 23-1707	EA	18", Steel, Grooved, 45 Degree Lateral Wye	7,819.98	230.78
		For Work In Restricted Working Space, Add	*103.78*	
		For Galvanized Fittings, Add	*1,345.33*	
23 21 13 23-1708	EA	20", Steel, Grooved, 45 Degree Lateral Wye	11,688.24	234.34
		For Work In Restricted Working Space, Add	*105.40*	
		For Galvanized Fittings, Add	*2,040.64*	
23 21 13 23-1709	EA	24", Steel, Grooved, 45 Degree Lateral Wye	18,048.55	288.02
		For Work In Restricted Working Space, Add	*129.56*	
		For Galvanized Fittings, Add	*3,171.00*	

23 21 13 23-1710 Grooved 45 Degree Lateral Reducing Wyes *(23 21 13 23-1615)*

Note: Victaulic No. 30R

23 21 13 23-1711	EA	3", Steel, Grooved 45 Degree Lateral Reducing Wye	399.25	52.07
		For Work In Restricted Working Space, Add	*23.40*	
		For Galvanized Fittings, Add	*41.76*	
23 21 13 23-1712	EA	4", Steel, Grooved 45 Degree Lateral Reducing Wye	734.48	67.37
		For Work In Restricted Working Space, Add	*30.29*	
		For Galvanized Fittings, Add	*82.36*	
23 21 13 23-1713	EA	5", Steel, Grooved 45 Degree Lateral Reducing Wye	1,057.91	88.07
		For Work In Restricted Working Space, Add	*39.61*	
		For Galvanized Fittings, Add	*120.36*	
23 21 13 23-1714	EA	6", Steel, Grooved 45 Degree Lateral Reducing Wye	1,361.35	110.16
		For Work In Restricted Working Space, Add	*49.54*	
		For Galvanized Fittings, Add	*155.51*	
23 21 13 23-1715	EA	8", Steel, Grooved 45 Degree Lateral Reducing Wye	1,927.36	133.77
		For Work In Restricted Working Space, Add	*60.15*	
		For Galvanized Fittings, Add	*224.49*	
23 21 13 23-1716	EA	10", Steel, Grooved 45 Degree Lateral Reducing Wye	2,348.84	155.97
		For Work In Restricted Working Space, Add	*70.18*	
		For Galvanized Fittings, Add	*274.94*	
23 21 13 23-1717	EA	12", Steel, Grooved 45 Degree Lateral Reducing Wye	2,850.84	187.24
		For Work In Restricted Working Space, Add	*84.21*	
		For Galvanized Fittings, Add	*334.12*	
23 21 13 23-1718	EA	14", Steel, Grooved 45 Degree Lateral Reducing Wye	3,191.11	208.04
		For Work In Restricted Working Space, Add	*93.57*	
		For Galvanized Fittings, Add	*374.30*	
23 21 13 23-1719	EA	16", Steel, Grooved 45 Degree Lateral Reducing Wye	4,035.34	209.22
		For Work In Restricted Working Space, Add	*94.11*	
		For Galvanized Fittings, Add	*483.81*	
23 21 13 23-1720	EA	18", Steel, Grooved 45 Degree Lateral Reducing Wye	6,060.50	230.78
		For Work In Restricted Working Space, Add	*103.78*	
		For Galvanized Fittings, Add	*742.90*	
23 21 13 23-1721	EA	20", Steel, Grooved 45 Degree Lateral Reducing Wye	8,715.98	234.34
		For Work In Restricted Working Space, Add	*105.40*	
		For Galvanized Fittings, Add	*1,087.40*	
23 21 13 23-1722	EA	24", Steel, Grooved 45 Degree Lateral Reducing Wye	13,974.54	288.02
		For Work In Restricted Working Space, Add	*129.56*	
		For Galvanized Fittings, Add	*1,760.55*	

23 21 13 23-1723 Mechanical-T Outlet *(23 21 13 23-1615)*

Note: Includes making opening in pipe. Grooved or treaded branch outlets. Victaulic Styles 920 or 921.

23 21 13 23-1724	EA	2" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	139.45	38.80
		For Work In Restricted Working Space, Add	*23.28*	
		For Galvanized Fittings, Add	*15.34*	
23 21 13 23-1725	EA	2" x 1" Mechanical-T Outlet With Threaded Branch Outlet	139.45	38.80
		For Work In Restricted Working Space, Add	*23.28*	
		For Galvanized Fittings, Add	*15.34*	
23 21 13 23-1726	EA	2" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet	149.10	38.80
		For Work In Restricted Working Space, Add	*23.28*	
		For Galvanized Fittings, Add	*17.73*	
23 21 13 23-1727	EA	2" x 1-1/2" Mechanical-T Outlet With Threaded Branch Outlet	149.10	38.80
		For Work In Restricted Working Space, Add	*23.28*	
23 21 13 23-1728	EA	2-1/2" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	149.15	43.66
		For Work In Restricted Working Space, Add	*26.19*	
23 21 13 23-1729	EA	2-1/2" x 1" Mechanical-T Outlet With Threaded Branch Outlet	149.15	43.66
		For Work In Restricted Working Space, Add	*26.19*	
23 21 13 23-1730	EA	2-1/2" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet	174.63	43.66
		For Work In Restricted Working Space, Add	*26.19*	
23 21 13 23-1731	EA	3" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	168.22	48.50
		For Work In Restricted Working Space, Add	*29.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1732	EA	3" x 1" Mechanical-T Outlet With Threaded Branch Outlet	168.22	48.50
		For Work In Restricted Working Space, Add	*29.10*	
23 21 13 23-1733	EA	3" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet	188.74	48.50
		For Work In Restricted Working Space, Add	*29.10*	
23 21 13 23-1734	EA	3" x 1-1/2" Mechanical-T Outlet With Threaded Branch Outlet	188.74	48.50
		For Work In Restricted Working Space, Add	*29.10*	
23 21 13 23-1735	EA	3" x 2" Mechanical-T Outlet With Threaded Branch Outlet	202.79	48.50
		For Work In Restricted Working Space, Add	*29.10*	
23 21 13 23-1736	EA	4" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	220.14	64.68
		For Work In Restricted Working Space, Add	*38.81*	
23 21 13 23-1737	EA	4" x 1" Mechanical-T Outlet With Threaded Branch Outlet	220.14	64.68
		For Work In Restricted Working Space, Add	*38.81*	
23 21 13 23-1738	EA	4" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet	236.16	64.68
		For Work In Restricted Working Space, Add	*38.81*	
23 21 13 23-1739	EA	4" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	240.66	64.68
		For Work In Restricted Working Space, Add	*38.81*	
23 21 13 23-1740	EA	4" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet	240.66	64.68
		For Work In Restricted Working Space, Add	*38.81*	
23 21 13 23-1741	EA	4" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	245.16	64.68
		For Work In Restricted Working Space, Add	*38.81*	
23 21 13 23-1742	EA	4" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet	253.78	64.68
		For Work In Restricted Working Space, Add	*38.81*	
23 21 13 23-1743	EA	5" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	314.56	88.92
		For Work In Restricted Working Space, Add	*53.36*	
23 21 13 23-1744	EA	5" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet	314.56	88.92
		For Work In Restricted Working Space, Add	*53.36*	
23 21 13 23-1745	EA	5" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	322.34	88.92
		For Work In Restricted Working Space, Add	*53.36*	
23 21 13 23-1746	EA	5" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet	332.08	88.92
		For Work In Restricted Working Space, Add	*53.36*	
23 21 13 23-1747	EA	6" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	366.25	113.18
		For Work In Restricted Working Space, Add	*67.91*	
23 21 13 23-1748	EA	6" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet	366.25	113.18
		For Work In Restricted Working Space, Add	*67.91*	
23 21 13 23-1749	EA	6" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	377.68	113.18
		For Work In Restricted Working Space, Add	*67.91*	
23 21 13 23-1750	EA	6" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet	387.33	113.18
		For Work In Restricted Working Space, Add	*67.91*	
23 21 13 23-1751	EA	6" x 4" Mechanical-T Outlet With Threaded Or Grooved Outlet	404.47	113.18
		For Work In Restricted Working Space, Add	*67.91*	
23 21 13 23-1752	EA	8" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet	547.20	149.82
		For Work In Restricted Working Space, Add	*89.90*	
23 21 13 23-1753	EA	8" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	547.20	149.82
		For Work In Restricted Working Space, Add	*89.90*	
23 21 13 23-1754	EA	8" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet	560.97	149.82
		For Work In Restricted Working Space, Add	*89.90*	
23 21 13 23-1755	EA	8" x 4" Mechanical-T Outlet With Threaded Or Grooved Outlet	569.12	149.82
		For Work In Restricted Working Space, Add	*89.90*	

23 21 13 23-1756 Installation-Ready™ Grooved Fittings *(23 21 13 23-1529)*

23 21 13 23-1757 Installation-Ready™ 90 Degree Grooved Elbows *(23 21 13 23-1756)*

Note: Victaulic No. 101

23 21 13 23-1758	EA	1-1/4" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	271.10	10.67
		For Work In Restricted Working Space, Add	*4.85*	
		For Galvanized Fittings, Add	*84.13*	
		For Galvanized Fittings, Add	*65.26*	
23 21 13 23-1759	EA	1-1/2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	281.83	12.80
		For Work In Restricted Working Space, Add	*5.82*	
		For Galvanized Fittings, Add	*86.60*	
		For Galvanized Fittings, Add	*67.18*	
23 21 13 23-1760	EA	2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	290.18	17.07
		For Work In Restricted Working Space, Add	*7.76*	
		For Galvanized Fittings, Add	*87.22*	
		For Galvanized Fittings, Add	*67.66*	
23 21 13 23-1761	EA	2-1/2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	351.00	21.34
		For Work In Restricted Working Space, Add	*9.70*	
		For Galvanized Fittings, Add	*105.16*	
		For Galvanized Fittings, Add	*81.58*	

23 21 13 23-1762 Installation-Ready™ 45 Degree Grooved Elbows *(23 21 13 23-1756)*

Note: Victaulic No. 103

23 21 13 23-1763	EA	1-1/4" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	271.10	10.67
		For Work In Restricted Working Space, Add	*4.85*	
		For Galvanized Fittings, Add	*61.18*	
		For Galvanized Fittings, Add	*65.26*	
23 21 13 23-1764	EA	1-1/2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	281.83	12.80
		For Work In Restricted Working Space, Add	*5.82*	
		For Galvanized Fittings, Add	*62.98*	
		For Galvanized Fittings, Add	*67.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1765	EA	2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	290.18	17.07
		For Work In Restricted Working Space, Add	*7.76*	
		For Galvanized Fittings, Add	*63.43*	
		For Galvanized Fittings, Add	*67.66*	
23 21 13 23-1766	EA	2-1/2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	351.00	21.34
		For Work In Restricted Working Space, Add	*9.70*	
		For Galvanized Fittings, Add	*76.48*	
		For Galvanized Fittings, Add	*81.58*	

23 21 13 23-1767 Installation-Ready™ Grooved Tees *(23 21 13 23-1756)*

Note: Victaulic No. 102

23 21 13 23-1768	EA	1-1/4" Ductile Iron, Grooved, Installation-Ready™ Tee	415.21	14.23
		For Work In Restricted Working Space, Add	*6.47*	
		For Galvanized Fittings, Add	*118.10*	
		For Galvanized Fittings, Add	*100.77*	
23 21 13 23-1769	EA	1-1/2" Ductile Iron, Grooved, Installation-Ready™ Tee	432.64	17.07
		For Work In Restricted Working Space, Add	*7.76*	
		For Galvanized Fittings, Add	*122.03*	
		For Galvanized Fittings, Add	*104.13*	
23 21 13 23-1770	EA	2" Ductile Iron, Grooved, Installation-Ready™ Tee	446.88	22.76
		For Work In Restricted Working Space, Add	*10.35*	
		For Galvanized Fittings, Add	*123.72*	
		For Galvanized Fittings, Add	*105.57*	
23 21 13 23-1771	EA	2-1/2" Ductile Iron, Grooved, Installation-Ready™ Tee	519.24	28.46
		For Work In Restricted Working Space, Add	*12.93*	
		For Galvanized Fittings, Add	*142.84*	
		For Galvanized Fittings, Add	*121.89*	

23 21 13 23-1772 Grooved Fittings *(23 21 13 23-1529)*

23 21 13 23-1773 Flanged Adapter Nipple, Grooved *(23 21 13 23-1772)*

Note: Victaulic No. 41 and 45

23 21 13 23-1774	EA	1" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	281.08	12.93
		For Work In Restricted Working Space, Add	*5.82*	
		For Galvanized Fittings, Add	*47.10*	
		For 300 Lb. Rating, Add	*39.25*	
23 21 13 23-1775	EA	1-1/4" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	283.24	14.33
		For Work In Restricted Working Space, Add	*6.47*	
		For Galvanized Fittings, Add	*47.10*	
		For 300 Lb. Rating, Add	*39.25*	
23 21 13 23-1776	EA	1-1/2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	288.63	18.00
		For Work In Restricted Working Space, Add	*8.09*	
		For Galvanized Fittings, Add	*47.10*	
		For 300 Lb. Rating, Add	*39.25*	
23 21 13 23-1777	EA	2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	299.97	25.54
		For Work In Restricted Working Space, Add	*11.49*	
		For Galvanized Fittings, Add	*47.10*	
		For 300 Lb. Rating, Add	*39.25*	
23 21 13 23-1778	EA	2-1/2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	308.07	30.93
		For Work In Restricted Working Space, Add	*13.92*	
		For Galvanized Fittings, Add	*47.10*	
		For 300 Lb. Rating, Add	*39.25*	
23 21 13 23-1779	EA	3" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	390.21	36.97
		For Work In Restricted Working Space, Add	*16.61*	
		For Galvanized Fittings, Add	*60.27*	
		For 300 Lb. Rating, Add	*50.23*	
23 21 13 23-1780	EA	4" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	473.96	49.80
		For Work In Restricted Working Space, Add	*22.39*	
		For Galvanized Fittings, Add	*71.88*	
		For 300 Lb. Rating, Add	*59.90*	
23 21 13 23-1781	EA	5" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	660.95	60.26
		For Work In Restricted Working Space, Add	*27.10*	
		For Galvanized Fittings, Add	*102.71*	
		For 300 Lb. Rating, Add	*85.59*	
23 21 13 23-1782	EA	6" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	773.08	81.38
		For Work In Restricted Working Space, Add	*36.61*	
		For Galvanized Fittings, Add	*117.19*	
		For 300 Lb. Rating, Add	*97.66*	
23 21 13 23-1783	EA	8" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	1,063.79	110.16
		For Work In Restricted Working Space, Add	*49.54*	
		For Galvanized Fittings, Add	*161.76*	
		For 300 Lb. Rating, Add	*134.80*	
23 21 13 23-1784	EA	10" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	1,666.98	133.77
		For Work In Restricted Working Space, Add	*60.15*	
		For Galvanized Fittings, Add	*263.97*	
		For 300 Lb. Rating, Add	*219.97*	
23 21 13 23-1785	EA	12" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	2,239.06	155.97
		For Work In Restricted Working Space, Add	*70.18*	
		For Galvanized Fittings, Add	*360.93*	
		For 300 Lb. Rating, Add	*300.77*	
23 21 13 23-1786	EA	14" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	2,645.30	187.24
		For Work In Restricted Working Space, Add	*84.21*	
		For Galvanized Fittings, Add	*425.63*	
		For 300 Lb. Rating, Add	*354.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1787	EA	16" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	3,953.43	208.04
		For Work In Restricted Working Space, Add	*93.57*	
		For Galvanized Fittings, Add	*655.48*	
		For 300 Lb. Rating, Add	*546.23*	
23 21 13 23-1788	EA	18" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	4,745.11	312.05
		For Work In Restricted Working Space, Add	*140.35*	
		For Galvanized Fittings, Add	*769.91*	
		For 300 Lb. Rating, Add	*641.59*	
23 21 13 23-1789	EA	20" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	5,019.71	374.46
		For Work In Restricted Working Space, Add	*168.42*	
		For Galvanized Fittings, Add	*802.49*	
		For 300 Lb. Rating, Add	*668.75*	
23 21 13 23-1790	EA	24" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	8,314.91	416.07
		For Work In Restricted Working Space, Add	*187.14*	
		For Galvanized Fittings, Add	*1,384.40*	
		For 300 Lb. Rating, Add	*1,153.67*	
23 21 13 23-1791		**Grooved Concentric Reducers** *(23 21 13 23-1772)*		
		Note: Victaulic No. 50		
23 21 13 23-1792	EA	1-1/4" x 3/4", Grooved Concentric Reducer	298.51	12.93
		For Work In Restricted Working Space, Add	*5.82*	
		For Galvanized Fittings, Add	*12.28*	
23 21 13 23-1793	EA	1-1/4" x 1", Grooved Concentric Reducer	312.17	13.69
		For Work In Restricted Working Space, Add	*6.14*	
		For Galvanized Fittings, Add	*12.83*	
23 21 13 23-1794	EA	1-1/2" x 3/4", Grooved Concentric Reducer	351.54	14.77
		For Work In Restricted Working Space, Add	*6.63*	
		For Galvanized Fittings, Add	*39.60*	
23 21 13 23-1795	EA	1-1/2" x 1", Grooved Concentric Reducer	93.73	15.41
		For Work In Restricted Working Space, Add	*6.95*	
		For Galvanized Fittings, Add	*8.48*	
23 21 13 23-1796	EA	1-1/2" x 1-1/4", Grooved Concentric Reducer	297.31	16.17
		For Work In Restricted Working Space, Add	*7.28*	
		For Galvanized Fittings, Add	*32.82*	
23 21 13 23-1797	EA	2" x 3/4", Grooved Concentric Reducer	96.96	17.57
		For Work In Restricted Working Space, Add	*7.92*	
		For Galvanized Fittings, Add	*8.48*	
23 21 13 23-1798	EA	2" x 1", Grooved Concentric Reducer	98.04	18.32
		For Work In Restricted Working Space, Add	*8.25*	
		For Galvanized Fittings, Add	*8.48*	
23 21 13 23-1799	EA	2" x 1-1/4", Grooved Concentric Reducer	106.20	19.08
		For Work In Restricted Working Space, Add	*8.57*	
		For Galvanized Fittings, Add	*9.33*	
23 21 13 23-1800	EA	2" x 1-1/2", Grooved Concentric Reducer	102.41	21.23
		For Work In Restricted Working Space, Add	*9.56*	
		For Galvanized Fittings, Add	*8.48*	
23 21 13 23-1801	EA	2-1/2" x 3/4", Grooved Concentric Reducer	603.90	19.83
		For Work In Restricted Working Space, Add	*8.92*	
		For Galvanized Fittings, Add	*69.01*	
23 21 13 23-1802	EA	2-1/2" x 1", Grooved Concentric Reducer	481.20	20.59
		For Work In Restricted Working Space, Add	*9.24*	
		For Galvanized Fittings, Add	*54.14*	
23 21 13 23-1803	EA	2-1/2" x 1-1/4", Grooved Concentric Reducer	439.58	21.23
		For Work In Restricted Working Space, Add	*9.56*	
		For Galvanized Fittings, Add	*49.01*	
23 21 13 23-1804	EA	2-1/2" x 1-1/2", Grooved Concentric Reducer	105.58	23.39
		For Work In Restricted Working Space, Add	*10.51*	
		For Galvanized Fittings, Add	*8.48*	
23 21 13 23-1805	EA	2-1/2" x 2", Grooved Concentric Reducer	109.88	26.19
		For Work In Restricted Working Space, Add	*11.80*	
		For Galvanized Fittings, Add	*8.48*	
23 21 13 23-1806	EA	3" x 3/4", Grooved Concentric Reducer	612.43	23.07
		For Work In Restricted Working Space, Add	*10.36*	
		For Galvanized Fittings, Add	*87.84*	
23 21 13 23-1807	EA	3" x 1", Grooved Concentric Reducer	113.44	23.71
		For Work In Restricted Working Space, Add	*10.66*	
		For Galvanized Fittings, Add	*11.84*	
23 21 13 23-1808	EA	3" x 1-1/4", Grooved Concentric Reducer	484.22	24.47
		For Work In Restricted Working Space, Add	*10.99*	
		For Galvanized Fittings, Add	*68.04*	
23 21 13 23-1809	EA	3" x 1-1/2", Grooved Concentric Reducer	455.25	26.19
		For Work In Restricted Working Space, Add	*11.80*	
		For Galvanized Fittings, Add	*63.22*	
23 21 13 23-1810	EA	3" x 2", Grooved Concentric Reducer	105.54	29.10
		For Work In Restricted Working Space, Add	*13.10*	
		For Galvanized Fittings, Add	*9.41*	
23 21 13 23-1811	EA	3" x 2-1/2", Grooved Concentric Reducer	137.29	34.71
		For Work In Restricted Working Space, Add	*15.61*	
		For Galvanized Fittings, Add	*12.96*	
23 21 13 23-1812	EA	3-1/2" x 3", Grooved Concentric Reducer	146.91	37.40
		For Work In Restricted Working Space, Add	*16.82*	
		For Galvanized Fittings, Add	*13.81*	
23 21 13 23-1813	EA	4" x 1", Grooved Concentric Reducer	137.86	29.42
		For Work In Restricted Working Space, Add	*13.26*	
		For Galvanized Fittings, Add	*16.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1814	EA	4" x 1-1/4", Grooved Concentric Reducer	785.70	30.18
		For Work In Restricted Working Space, Add	*13.58*	
		For Galvanized Fittings, Add	*126.98*	
23 21 13 23-1815	EA	4" x 1-1/2", Grooved Concentric Reducer	614.03	32.01
		For Work In Restricted Working Space, Add	*14.39*	
		For Galvanized Fittings, Add	*97.08*	
23 21 13 23-1816	EA	4" x 2", Grooved Concentric Reducer	134.67	34.92
		For Work In Restricted Working Space, Add	*15.69*	
		For Galvanized Fittings, Add	*14.13*	
23 21 13 23-1817	EA	4" x 2-1/2", Grooved Concentric Reducer	159.32	37.40
		For Work In Restricted Working Space, Add	*16.82*	
		For Galvanized Fittings, Add	*17.71*	
23 21 13 23-1818	EA	4" x 3", Grooved Concentric Reducer	163.63	40.31
		For Work In Restricted Working Space, Add	*18.11*	
		For Galvanized Fittings, Add	*17.71*	
23 21 13 23-1819	EA	4" x 3-1/2", Grooved Concentric Reducer	167.95	43.11
		For Work In Restricted Working Space, Add	*19.41*	
		For Galvanized Fittings, Add	*17.71*	
23 21 13 23-1820	EA	5" x 2", Grooved Concentric Reducer	1,102.90	40.63
		For Work In Restricted Working Space, Add	*18.27*	
		For Galvanized Fittings, Add	*178.70*	
23 21 13 23-1821	EA	5" x 2-1/2", Grooved Concentric Reducer	873.14	43.11
		For Work In Restricted Working Space, Add	*19.41*	
		For Galvanized Fittings, Add	*138.65*	
23 21 13 23-1822	EA	5" x 3", Grooved Concentric Reducer	189.86	46.02
		For Work In Restricted Working Space, Add	*20.70*	
		For Galvanized Fittings, Add	*20.73*	
23 21 13 23-1823	EA	5" x 4", Grooved Concentric Reducer	221.97	51.73
		For Work In Restricted Working Space, Add	*23.28*	
		For Galvanized Fittings, Add	*24.76*	
23 21 13 23-1824	EA	6" x 1", Grooved Concentric Reducer	257.74	43.87
		For Work In Restricted Working Space, Add	*19.73*	
		For Galvanized Fittings, Add	*35.82*	
23 21 13 23-1825	EA	6" x 1-1/2", Grooved Concentric Reducer	1,165.09	46.35
		For Work In Restricted Working Space, Add	*20.86*	
		For Galvanized Fittings, Add	*204.43*	
23 21 13 23-1826	EA	6" x 2", Grooved Concentric Reducer	265.80	49.26
		For Work In Restricted Working Space, Add	*22.15*	
		For Galvanized Fittings, Add	*35.82*	
23 21 13 23-1827	EA	6" x 2-1/2", Grooved Concentric Reducer	1,179.43	51.73
		For Work In Restricted Working Space, Add	*23.28*	
		For Galvanized Fittings, Add	*205.60*	
23 21 13 23-1828	EA	6" x 3", Grooved Concentric Reducer	273.91	54.65
		For Work In Restricted Working Space, Add	*24.58*	
		For Galvanized Fittings, Add	*35.82*	
23 21 13 23-1829	EA	6" x 4", Grooved Concentric Reducer	257.74	60.37
		For Work In Restricted Working Space, Add	*27.17*	
		For Galvanized Fittings, Add	*31.20*	
23 21 13 23-1830	EA	6" x 5", Grooved Concentric Reducer	346.51	66.18
		For Work In Restricted Working Space, Add	*29.75*	
		For Galvanized Fittings, Add	*46.15*	
23 21 13 23-1831	EA	8" x 3", Grooved Concentric Reducer	435.74	61.87
		For Work In Restricted Working Space, Add	*27.81*	
		For Galvanized Fittings, Add	*64.01*	
23 21 13 23-1832	EA	8" x 4", Grooved Concentric Reducer	444.34	67.59
		For Work In Restricted Working Space, Add	*30.39*	
		For Galvanized Fittings, Add	*64.01*	
23 21 13 23-1833	EA	8" x 5", Grooved Concentric Reducer	452.99	73.30
		For Work In Restricted Working Space, Add	*32.99*	
		For Galvanized Fittings, Add	*64.01*	
23 21 13 23-1834	EA	8" x 6", Grooved Concentric Reducer	560.33	81.92
		For Work In Restricted Working Space, Add	*36.86*	
		For Galvanized Fittings, Add	*81.63*	
23 21 13 23-1835	EA	10" x 4", Grooved Concentric Reducer	929.40	75.13
		For Work In Restricted Working Space, Add	*33.80*	
		For Galvanized Fittings, Add	*152.40*	
23 21 13 23-1836	EA	10" x 5", Grooved Concentric Reducer	1,921.67	80.85
		For Work In Restricted Working Space, Add	*36.38*	
		For Galvanized Fittings, Add	*335.95*	
23 21 13 23-1837	EA	10" x 6", Grooved Concentric Reducer	1,027.36	89.47
		For Work In Restricted Working Space, Add	*40.26*	
		For Galvanized Fittings, Add	*166.66*	
23 21 13 23-1838	EA	10" x 8", Grooved Concentric Reducer	1,038.12	96.69
		For Work In Restricted Working Space, Add	*43.49*	
		For Galvanized Fittings, Add	*166.66*	
23 21 13 23-1839	EA	12" x 4", Grooved Concentric Reducer	2,831.97	85.59
		For Work In Restricted Working Space, Add	*38.48*	
		For Galvanized Fittings, Add	*405.56*	
23 21 13 23-1840	EA	12" x 6", Grooved Concentric Reducer	1,215.08	99.92
		For Work In Restricted Working Space, Add	*44.94*	
		For Galvanized Fittings, Add	*159.79*	
23 21 13 23-1841	EA	12" x 8", Grooved Concentric Reducer	1,760.80	107.15
		For Work In Restricted Working Space, Add	*48.18*	
		For Galvanized Fittings, Add	*240.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1842	EA	12" x 10", Grooved Concentric Reducer	1,772.18	114.69
		For Work In Restricted Working Space, Add	*51.59*	
		For Galvanized Fittings, Add	*240.03*	
23 21 13 23-1843	EA	14" x 6", Grooved Concentric Reducer	5,590.96	107.68
		For Work In Restricted Working Space, Add	*48.44*	
		For Galvanized Fittings, Add	*166.69*	
23 21 13 23-1844	EA	14" x 8", Grooved Concentric Reducer	3,359.21	114.90
		For Work In Restricted Working Space, Add	*51.69*	
		For Galvanized Fittings, Add	*97.84*	
23 21 13 23-1845	EA	14" x 10", Grooved Concentric Reducer	2,874.42	122.45
		For Work In Restricted Working Space, Add	*55.07*	
		For Galvanized Fittings, Add	*82.61*	
23 21 13 23-1846	EA	14" x 12", Grooved Concentric Reducer	2,890.02	132.80
		For Work In Restricted Working Space, Add	*59.75*	
		For Galvanized Fittings, Add	*82.61*	
23 21 13 23-1847	EA	16" x 8", Grooved Concentric Reducer	5,094.05	122.56
		For Work In Restricted Working Space, Add	*55.15*	
		For Galvanized Fittings, Add	*150.74*	
23 21 13 23-1848	EA	16" x 10", Grooved Concentric Reducer	4,734.92	130.10
		For Work In Restricted Working Space, Add	*58.54*	
		For Galvanized Fittings, Add	*139.37*	
23 21 13 23-1849	EA	16" x 12", Grooved Concentric Reducer	4,387.41	140.56
		For Work In Restricted Working Space, Add	*63.21*	
		For Galvanized Fittings, Add	*128.23*	
23 21 13 23-1850	EA	16" x 14", Grooved Concentric Reducer	4,399.05	148.32
		For Work In Restricted Working Space, Add	*66.70*	
		For Galvanized Fittings, Add	*128.23*	
23 21 13 23-1851	EA	18" x 10", Grooved Concentric Reducer	6,616.40	137.32
		For Work In Restricted Working Space, Add	*61.76*	
		For Galvanized Fittings, Add	*196.80*	
23 21 13 23-1852	EA	18" x 12", Grooved Concentric Reducer	6,001.51	147.67
		For Work In Restricted Working Space, Add	*66.43*	
		For Galvanized Fittings, Add	*177.45*	
23 21 13 23-1853	EA	18" x 14", Grooved Concentric Reducer	5,465.79	155.44
		For Work In Restricted Working Space, Add	*69.93*	
		For Galvanized Fittings, Add	*160.64*	
23 21 13 23-1854	EA	18" x 16", Grooved Concentric Reducer	5,477.43	163.30
		For Work In Restricted Working Space, Add	*73.43*	
		For Galvanized Fittings, Add	*160.64*	
23 21 13 23-1855	EA	20" x 10", Grooved Concentric Reducer	7,277.72	140.88
		For Work In Restricted Working Space, Add	*63.36*	
		For Galvanized Fittings, Add	*216.94*	
23 21 13 23-1856	EA	20" x 12", Grooved Concentric Reducer	6,251.55	151.34
		For Work In Restricted Working Space, Add	*68.05*	
		For Galvanized Fittings, Add	*184.96*	
23 21 13 23-1857	EA	20" x 14", Grooved Concentric Reducer	6,263.20	159.10
		For Work In Restricted Working Space, Add	*71.54*	
		For Galvanized Fittings, Add	*184.96*	
23 21 13 23-1858	EA	20" x 16", Grooved Concentric Reducer	5,594.96	166.75
		For Work In Restricted Working Space, Add	*74.99*	
		For Galvanized Fittings, Add	*164.09*	
23 21 13 23-1859	EA	20" x 18", Grooved Concentric Reducer	5,960.63	173.97
		For Work In Restricted Working Space, Add	*78.26*	
		For Galvanized Fittings, Add	*174.98*	
23 21 13 23-1860	EA	24" x 10", Grooved Concentric Reducer	15,981.72	156.72
		For Work In Restricted Working Space, Add	*70.48*	
		For Galvanized Fittings, Add	*483.43*	
23 21 13 23-1861	EA	24" x 12", Grooved Concentric Reducer	15,617.14	167.18
		For Work In Restricted Working Space, Add	*75.20*	
		For Galvanized Fittings, Add	*471.75*	
23 21 13 23-1862	EA	24" x 14", Grooved Concentric Reducer	13,622.16	174.84
		For Work In Restricted Working Space, Add	*78.64*	
		For Galvanized Fittings, Add	*410.15*	
23 21 13 23-1863	EA	24" x 16", Grooved Concentric Reducer	13,633.88	182.70
		For Work In Restricted Working Space, Add	*82.16*	
		For Galvanized Fittings, Add	*410.15*	
23 21 13 23-1864	EA	24" x 18", Grooved Concentric Reducer	11,688.09	189.82
		For Work In Restricted Working Space, Add	*85.37*	
		For Galvanized Fittings, Add	*350.09*	
23 21 13 23-1865	EA	24" x 20", Grooved Concentric Reducer	10,683.48	193.48
		For Work In Restricted Working Space, Add	*87.02*	
		For Galvanized Fittings, Add	*319.08*	
23 21 13 23-1866		**Grooved Eccentric Reducers** *(23 21 13 23-1772)*		
		Note: Victaulic No. 51		
23 21 13 23-1867	EA	1-1/2" x 3/4", Grooved Eccentric Reducer	362.91	14.77
		For Work In Restricted Working Space, Add	*6.63*	
		For Galvanized Fittings, Add	*40.97*	
23 21 13 23-1868	EA	1-1/2" x 1", Grooved Eccentric Reducer	330.81	15.41
		For Work In Restricted Working Space, Add	*6.95*	
		For Galvanized Fittings, Add	*36.98*	
23 21 13 23-1869	EA	1-1/2" x 1-1/4", Grooved Eccentric Reducer	325.18	16.17
		For Work In Restricted Working Space, Add	*7.28*	
		For Galvanized Fittings, Add	*36.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1870	EA	2" x 3/4", Grooved Eccentric Reducer	688.64	17.57
		For Work In Restricted Working Space, Add	*7.92*	
		For Galvanized Fittings, Add	*79.60*	
23 21 13 23-1871	EA	2" x 1", Grooved Eccentric Reducer	367.18	18.32
		For Work In Restricted Working Space, Add	*8.25*	
		For Galvanized Fittings, Add	*40.83*	
23 21 13 23-1872	EA	2" x 1-1/4", Grooved Eccentric Reducer	400.97	19.08
		For Work In Restricted Working Space, Add	*8.57*	
		For Galvanized Fittings, Add	*44.76*	
23 21 13 23-1873	EA	2" x 1-1/2", Grooved Eccentric Reducer	343.59	21.23
		For Work In Restricted Working Space, Add	*9.56*	
		For Galvanized Fittings, Add	*37.47*	
23 21 13 23-1874	EA	2-1/2" x 3/4", Grooved Eccentric Reducer	894.20	19.83
		For Work In Restricted Working Space, Add	*8.92*	
		For Galvanized Fittings, Add	*103.91*	
23 21 13 23-1875	EA	2-1/2" x 1", Grooved Eccentric Reducer	836.16	20.59
		For Work In Restricted Working Space, Add	*9.24*	
		For Galvanized Fittings, Add	*96.81*	
23 21 13 23-1876	EA	2-1/2" x 1-1/4", Grooved Eccentric Reducer	499.59	21.23
		For Work In Restricted Working Space, Add	*9.56*	
		For Galvanized Fittings, Add	*56.22*	
23 21 13 23-1877	EA	2-1/2" x 1-1/2", Grooved Eccentric Reducer	405.66	23.39
		For Work In Restricted Working Space, Add	*10.51*	
		For Galvanized Fittings, Add	*44.55*	
23 21 13 23-1878	EA	2-1/2" x 2", Grooved Eccentric Reducer	188.62	26.19
		For Work In Restricted Working Space, Add	*11.80*	
		For Galvanized Fittings, Add	*17.94*	
23 21 13 23-1879	EA	3" x 1", Grooved Eccentric Reducer	899.43	23.71
		For Work In Restricted Working Space, Add	*10.66*	
		For Galvanized Fittings, Add	*103.84*	
23 21 13 23-1880	EA	3" x 1-1/4", Grooved Eccentric Reducer	818.69	24.47
		For Work In Restricted Working Space, Add	*10.99*	
		For Galvanized Fittings, Add	*94.00*	
23 21 13 23-1881	EA	3" x 1-1/2", Grooved Eccentric Reducer	468.02	26.19
		For Work In Restricted Working Space, Add	*11.80*	
		For Galvanized Fittings, Add	*51.53*	
23 21 13 23-1882	EA	3" x 2", Grooved Eccentric Reducer	215.23	29.10
		For Work In Restricted Working Space, Add	*13.10*	
		For Galvanized Fittings, Add	*20.62*	
23 21 13 23-1883	EA	3" x 2-1/2", Grooved Eccentric Reducer	223.59	34.71
		For Work In Restricted Working Space, Add	*15.61*	
		For Galvanized Fittings, Add	*20.62*	
23 21 13 23-1884	EA	3-1/2" x 3", Grooved Eccentric Reducer	1,005.22	37.40
		For Work In Restricted Working Space, Add	*16.82*	
		For Galvanized Fittings, Add	*114.09*	
23 21 13 23-1885	EA	4" x 1", Grooved Eccentric Reducer	1,795.29	29.42
		For Work In Restricted Working Space, Add	*13.26*	
		For Galvanized Fittings, Add	*300.31*	
23 21 13 23-1886	EA	4" x 1-1/2", Grooved Eccentric Reducer	1,107.02	32.01
		For Work In Restricted Working Space, Add	*14.39*	
		For Galvanized Fittings, Add	*181.63*	
23 21 13 23-1887	EA	4" x 2", Grooved Eccentric Reducer	262.07	34.92
		For Work In Restricted Working Space, Add	*15.69*	
		For Galvanized Fittings, Add	*35.98*	
23 21 13 23-1888	EA	4" x 2-1/2", Grooved Eccentric Reducer	265.84	37.40
		For Work In Restricted Working Space, Add	*16.82*	
		For Galvanized Fittings, Add	*35.98*	
23 21 13 23-1889	EA	4" x 3", Grooved Eccentric Reducer	270.15	40.31
		For Work In Restricted Working Space, Add	*18.11*	
		For Galvanized Fittings, Add	*35.98*	
23 21 13 23-1890	EA	5" x 2", Grooved Eccentric Reducer	1,228.71	40.63
		For Work In Restricted Working Space, Add	*18.27*	
		For Galvanized Fittings, Add	*200.28*	
23 21 13 23-1891	EA	5" x 2-1/2", Grooved Eccentric Reducer	1,059.62	43.11
		For Work In Restricted Working Space, Add	*19.41*	
		For Galvanized Fittings, Add	*170.63*	
23 21 13 23-1892	EA	5" x 3", Grooved Eccentric Reducer	1,029.99	46.02
		For Work In Restricted Working Space, Add	*20.70*	
		For Galvanized Fittings, Add	*164.81*	
23 21 13 23-1893	EA	5" x 4", Grooved Eccentric Reducer	363.34	51.73
		For Work In Restricted Working Space, Add	*23.28*	
		For Galvanized Fittings, Add	*49.00*	
23 21 13 23-1894	EA	6" x 1", Grooved Eccentric Reducer	1,881.15	43.87
		For Work In Restricted Working Space, Add	*19.73*	
		For Galvanized Fittings, Add	*338.75*	
23 21 13 23-1895	EA	6" x 2", Grooved Eccentric Reducer	1,729.39	49.26
		For Work In Restricted Working Space, Add	*22.15*	
		For Galvanized Fittings, Add	*308.93*	
23 21 13 23-1896	EA	6" x 2-1/2", Grooved Eccentric Reducer	2,049.01	51.73
		For Work In Restricted Working Space, Add	*23.28*	
		For Galvanized Fittings, Add	*367.86*	
23 21 13 23-1897	EA	6" x 3", Grooved Eccentric Reducer	462.34	54.65
		For Work In Restricted Working Space, Add	*24.58*	
		For Galvanized Fittings, Add	*70.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1898	EA	6" x 4", Grooved Eccentric Reducer	423.53	60.37
		For Work In Restricted Working Space, Add	*27.17*	
		For Galvanized Fittings, Add	*62.13*	
23 21 13 23-1899	EA	6" x 5", Grooved Eccentric Reducer	498.60	66.18
		For Work In Restricted Working Space, Add	*29.75*	
		For Galvanized Fittings, Add	*74.53*	
23 21 13 23-1900	EA	8" x 3", Grooved Eccentric Reducer	2,016.29	61.87
		For Work In Restricted Working Space, Add	*27.81*	
		For Galvanized Fittings, Add	*358.94*	
23 21 13 23-1901	EA	8" x 4", Grooved Eccentric Reducer	1,782.40	67.59
		For Work In Restricted Working Space, Add	*30.39*	
		For Galvanized Fittings, Add	*313.69*	
23 21 13 23-1902	EA	8" x 5", Grooved Eccentric Reducer	1,675.12	73.30
		For Work In Restricted Working Space, Add	*32.99*	
		For Galvanized Fittings, Add	*292.06*	
23 21 13 23-1903	EA	8" x 6", Grooved Eccentric Reducer	798.06	81.92
		For Work In Restricted Working Space, Add	*36.86*	
		For Galvanized Fittings, Add	*125.99*	
23 21 13 23-1904	EA	10" x 4", Grooved Eccentric Reducer	3,197.53	75.13
		For Work In Restricted Working Space, Add	*33.80*	
		For Galvanized Fittings, Add	*575.64*	
23 21 13 23-1905	EA	10" x 5", Grooved Eccentric Reducer	3,027.68	80.85
		For Work In Restricted Working Space, Add	*36.38*	
		For Galvanized Fittings, Add	*542.33*	
23 21 13 23-1906	EA	10" x 6", Grooved Eccentric Reducer	2,325.91	89.47
		For Work In Restricted Working Space, Add	*40.26*	
		For Galvanized Fittings, Add	*408.97*	
23 21 13 23-1907	EA	10" x 8", Grooved Eccentric Reducer	1,999.96	96.69
		For Work In Restricted Working Space, Add	*43.49*	
		For Galvanized Fittings, Add	*346.14*	
23 21 13 23-1908	EA	12" x 4", Grooved Eccentric Reducer	3,265.03	85.59
		For Work In Restricted Working Space, Add	*38.48*	
		For Galvanized Fittings, Add	*473.34*	
23 21 13 23-1909	EA	12" x 6", Grooved Eccentric Reducer	3,077.72	99.92
		For Work In Restricted Working Space, Add	*44.94*	
		For Galvanized Fittings, Add	*441.82*	
23 21 13 23-1910	EA	12" x 8", Grooved Eccentric Reducer	3,013.59	107.15
		For Work In Restricted Working Space, Add	*48.18*	
		For Galvanized Fittings, Add	*430.52*	
23 21 13 23-1911	EA	12" x 10", Grooved Eccentric Reducer	2,727.41	114.69
		For Work In Restricted Working Space, Add	*51.59*	
		For Galvanized Fittings, Add	*385.62*	
23 21 13 23-1912	EA	14" x 6", Grooved Eccentric Reducer	7,549.13	107.68
		For Work In Restricted Working Space, Add	*48.44*	
		For Galvanized Fittings, Add	*226.80*	
23 21 13 23-1913	EA	14" x 8", Grooved Eccentric Reducer	4,895.40	114.90
		For Work In Restricted Working Space, Add	*51.69*	
		For Galvanized Fittings, Add	*145.00*	
23 21 13 23-1914	EA	14" x 10", Grooved Eccentric Reducer	4,679.65	122.45
		For Work In Restricted Working Space, Add	*55.07*	
		For Galvanized Fittings, Add	*138.03*	
23 21 13 23-1915	EA	14" x 12", Grooved Eccentric Reducer	4,695.25	132.80
		For Work In Restricted Working Space, Add	*59.75*	
		For Galvanized Fittings, Add	*138.03*	
23 21 13 23-1916	EA	16" x 8", Grooved Eccentric Reducer	8,342.56	122.56
		For Work In Restricted Working Space, Add	*55.15*	
		For Galvanized Fittings, Add	*250.47*	
23 21 13 23-1917	EA	16" x 10", Grooved Eccentric Reducer	7,734.42	130.10
		For Work In Restricted Working Space, Add	*58.54*	
		For Galvanized Fittings, Add	*231.46*	
23 21 13 23-1918	EA	16" x 12", Grooved Eccentric Reducer	7,294.93	140.56
		For Work In Restricted Working Space, Add	*63.21*	
		For Galvanized Fittings, Add	*217.49*	
23 21 13 23-1919	EA	16" x 14", Grooved Eccentric Reducer	7,306.57	148.32
		For Work In Restricted Working Space, Add	*66.70*	
		For Galvanized Fittings, Add	*217.49*	
23 21 13 23-1920	EA	18" x 10", Grooved Eccentric Reducer	10,460.04	137.32
		For Work In Restricted Working Space, Add	*61.76*	
		For Galvanized Fittings, Add	*314.80*	
23 21 13 23-1921	EA	18" x 12", Grooved Eccentric Reducer	9,850.09	147.67
		For Work In Restricted Working Space, Add	*66.43*	
		For Galvanized Fittings, Add	*295.60*	
23 21 13 23-1922	EA	18" x 14", Grooved Eccentric Reducer	8,981.21	155.44
		For Work In Restricted Working Space, Add	*69.93*	
		For Galvanized Fittings, Add	*268.57*	
23 21 13 23-1923	EA	18" x 16", Grooved Eccentric Reducer	8,992.85	163.30
		For Work In Restricted Working Space, Add	*73.43*	
		For Galvanized Fittings, Add	*268.57*	
23 21 13 23-1924	EA	20" x 10", Grooved Eccentric Reducer	13,723.76	140.88
		For Work In Restricted Working Space, Add	*63.36*	
		For Galvanized Fittings, Add	*414.84*	
23 21 13 23-1925	EA	20" x 12", Grooved Eccentric Reducer	10,221.94	151.34
		For Work In Restricted Working Space, Add	*68.05*	
		For Galvanized Fittings, Add	*306.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1926	EA	20" x 14", Grooved Eccentric Reducer	9,608.73	159.10
		For Work In Restricted Working Space, Add	*71.54*	
		For Galvanized Fittings, Add	*287.67*	
23 21 13 23-1927	EA	20" x 16", Grooved Eccentric Reducer	9,468.61	166.75
		For Work In Restricted Working Space, Add	*74.99*	
		For Galvanized Fittings, Add	*283.01*	
23 21 13 23-1928	EA	20" x 18", Grooved Eccentric Reducer	9,126.30	173.97
		For Work In Restricted Working Space, Add	*78.26*	
		For Galvanized Fittings, Add	*272.17*	
23 21 13 23-1929	EA	24" x 12", Grooved Eccentric Reducer	19,811.84	167.18
		For Work In Restricted Working Space, Add	*75.20*	
		For Galvanized Fittings, Add	*600.53*	
23 21 13 23-1930	EA	24" x 14", Grooved Eccentric Reducer	16,933.85	174.84
		For Work In Restricted Working Space, Add	*78.64*	
		For Galvanized Fittings, Add	*511.82*	
23 21 13 23-1931	EA	24" x 16", Grooved Eccentric Reducer	16,945.57	182.70
		For Work In Restricted Working Space, Add	*82.16*	
		For Galvanized Fittings, Add	*511.82*	
23 21 13 23-1932	EA	24" x 18", Grooved Eccentric Reducer	16,009.90	189.82
		For Work In Restricted Working Space, Add	*85.37*	
		For Galvanized Fittings, Add	*482.77*	
23 21 13 23-1933	EA	24" x 20", Grooved Eccentric Reducer	14,640.26	193.48
		For Work In Restricted Working Space, Add	*87.02*	
		For Galvanized Fittings, Add	*440.55*	

23 21 13 23-1934 Grooved, Close Nipple *(23 21 13 23-1772)*

Note: Victaulic No. 143

23 21 13 23-1935	EA	1-1/4" Ductile Iron, Grooved, Close Nipple	63.42	14.23
		For Work In Restricted Working Space, Add	*6.47*	
		For Galvanized Fittings, Add	*7.53*	
		For 300 Lb. Rating, Add	*6.28*	
		For Galvanized Fittings, Add	*10.72*	
23 21 13 23-1936	EA	1-1/2" Ductile Iron, Grooved, Close Nipple	72.56	17.79
		For Work In Restricted Working Space, Add	*8.09*	
		For Galvanized Fittings, Add	*8.21*	
		For 300 Lb. Rating, Add	*6.84*	
		For Galvanized Fittings, Add	*11.68*	
23 21 13 23-1937	EA	2" Ductile Iron, Grooved, Close Nipple	90.56	23.48
		For Work In Restricted Working Space, Add	*10.67*	
		For Galvanized Fittings, Add	*9.90*	
		For 300 Lb. Rating, Add	*8.25*	
		For Galvanized Fittings, Add	*14.08*	
23 21 13 23-1938	EA	2-1/2" Ductile Iron, Grooved, Close Nipple	108.09	28.46
		For Work In Restricted Working Space, Add	*12.93*	
		For Galvanized Fittings, Add	*11.70*	
		For 300 Lb. Rating, Add	*9.75*	
		For Galvanized Fittings, Add	*16.63*	

23 21 13 23-1939 Grooved Caps *(23 21 13 23-1772)*

Note: Victaulic No. 60

23 21 13 23-1940	EA	1" Carbon Steel Grooved Cap	119.90	4.42
		For Work In Restricted Working Space, Add	*2.65*	
23 21 13 23-1941	EA	1-1/4" Carbon Steel Grooved Cap	122.07	5.50
		For Work In Restricted Working Space, Add	*3.30*	
23 21 13 23-1942	EA	1-1/2" Carbon Steel Grooved Cap	124.44	6.68
		For Work In Restricted Working Space, Add	*4.01*	
23 21 13 23-1943	EA	2" Carbon Steel Grooved Cap	128.64	8.83
		For Work In Restricted Working Space, Add	*5.27*	
23 21 13 23-1944	EA	2-1/2" Carbon Steel Grooved Cap	132.53	10.78
		For Work In Restricted Working Space, Add	*6.44*	
23 21 13 23-1945	EA	3" Carbon Steel Grooved Cap	137.05	13.04
		For Work In Restricted Working Space, Add	*7.79*	
23 21 13 23-1946	EA	4" Carbon Steel Grooved Cap	152.73	17.24
		For Work In Restricted Working Space, Add	*10.32*	
23 21 13 23-1947	EA	5" Carbon Steel Grooved Cap	314.85	21.46
		For Work In Restricted Working Space, Add	*12.87*	
23 21 13 23-1948	EA	6" Carbon Steel Grooved Cap	327.73	28.13
		For Work In Restricted Working Space, Add	*16.85*	
23 21 13 23-1949	EA	8" Carbon Steel Grooved Cap	583.22	33.41
		For Work In Restricted Working Space, Add	*20.05*	
23 21 13 23-1950	EA	10" Carbon Steel Grooved Cap	978.52	39.02
		For Work In Restricted Working Space, Add	*23.38*	
23 21 13 23-1951	EA	12" Carbon Steel Grooved Cap	1,668.18	46.78
		For Work In Restricted Working Space, Add	*28.07*	

23 21 13 23-1952 Grooved Couplings *(23 21 13 23-1529)*

23 21 13 23-1953 Flexible Grooved Coupling *(23 21 13 23-1952)*

Note: Victaulic Style 77

23 21 13 23-1954	EA	3/4" Grooved Standard Coupling	22.17	5.82
		For Work In Restricted Working Space, Add	*2.64*	
		For Galvanized Fittings, Add	*3.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1955	EA	1" Grooved Standard Coupling	22.17	5.82
		For Work In Restricted Working Space, Add	*2.64*	
		For Galvanized Fittings, Add	*3.74*	
23 21 13 23-1956	EA	1-1/4" Grooved Standard Coupling	28.79	7.33
		For Work In Restricted Working Space, Add	*3.30*	
		For Galvanized Fittings, Add	*4.98*	
23 21 13 23-1957	EA	1-1/2" Grooved Standard Coupling	32.58	8.73
		For Work In Restricted Working Space, Add	*3.95*	
		For Galvanized Fittings, Add	*5.44*	
23 21 13 23-1958	EA	2" Grooved Standard Coupling	38.16	11.75
		For Work In Restricted Working Space, Add	*5.29*	
		For Galvanized Fittings, Add	*5.75*	
23 21 13 23-1959	EA	2-1/2" Grooved Standard Coupling	46.04	14.33
		For Work In Restricted Working Space, Add	*6.44*	
		For Galvanized Fittings, Add	*6.88*	
23 21 13 23-1960	EA	3" Grooved Standard Coupling	50.20	17.13
		For Work In Restricted Working Space, Add	*7.69*	
		For Galvanized Fittings, Add	*6.88*	
23 21 13 23-1961	EA	3-1/2" Grooved Standard Coupling	69.71	20.05
		For Work In Restricted Working Space, Add	*9.03*	
		For Galvanized Fittings, Add	*11.09*	
23 21 13 23-1962	EA	4" Grooved Standard Coupling	73.93	22.86
		For Work In Restricted Working Space, Add	*10.30*	
		For Galvanized Fittings, Add	*11.09*	
23 21 13 23-1963	EA	5" Grooved Standard Coupling	103.62	28.67
		For Work In Restricted Working Space, Add	*12.87*	
		For Galvanized Fittings, Add	*17.00*	
23 21 13 23-1964	EA	6" Grooved Standard Coupling	127.91	37.40
		For Work In Restricted Working Space, Add	*16.84*	
		For Galvanized Fittings, Add	*20.10*	
23 21 13 23-1965	EA	8" Grooved Standard Coupling	183.82	44.62
		For Work In Restricted Working Space, Add	*20.05*	
		For Galvanized Fittings, Add	*32.76*	
23 21 13 23-1966	EA	10" Grooved Standard Coupling	274.63	53.47
		For Work In Restricted Working Space, Add	*24.06*	
		For Galvanized Fittings, Add	*54.44*	
23 21 13 23-1967	EA	12" Grooved Standard Coupling	309.11	58.53
		For Work In Restricted Working Space, Add	*26.32*	
		For Galvanized Fittings, Add	*61.99*	
23 21 13 23-1968	EA	14" Grooved Standard Coupling	385.90	78.05
		For Work In Restricted Working Space, Add	*35.09*	
		For Galvanized Fittings, Add	*75.30*	
23 21 13 23-1969	EA	16" Grooved Standard Coupling	493.12	93.67
		For Work In Restricted Working Space, Add	*42.11*	
		For Galvanized Fittings, Add	*98.77*	
23 21 13 23-1970	EA	18" Grooved Standard Coupling	569.08	104.01
		For Work In Restricted Working Space, Add	*46.79*	
		For Galvanized Fittings, Add	*115.68*	
23 21 13 23-1971	EA	20" Grooved Standard Coupling	825.37	117.06
		For Work In Restricted Working Space, Add	*52.63*	
		For Galvanized Fittings, Add	*181.98*	
23 21 13 23-1972	EA	24" Grooved Standard Coupling	928.66	144.01
		For Work In Restricted Working Space, Add	*64.78*	
		For Galvanized Fittings, Add	*199.57*	

23 21 13 23-1973 Zero-Flex® Rigid Coupling *(23 21 13 23-1952)*

Note: Victaulic Style 07

23 21 13 23-1974	EA	1" Grooved Rigid Coupling	27.39	5.82
		For Work In Restricted Working Space, Add	*2.64*	
		For Galvanized Fittings, Add	*4.55*	
23 21 13 23-1975	EA	1-1/4" Grooved Rigid Coupling	29.60	7.33
		For Work In Restricted Working Space, Add	*3.30*	
		For Galvanized Fittings, Add	*4.55*	
23 21 13 23-1976	EA	1-1/2" Grooved Rigid Coupling	31.74	8.73
		For Work In Restricted Working Space, Add	*3.95*	
		For Galvanized Fittings, Add	*4.55*	
23 21 13 23-1977	EA	2" Grooved Rigid Coupling	36.69	11.75
		For Work In Restricted Working Space, Add	*5.29*	
		For Galvanized Fittings, Add	*4.67*	
23 21 13 23-1978	EA	2-1/2" Grooved Rigid Coupling	43.44	14.33
		For Work In Restricted Working Space, Add	*6.44*	
		For Galvanized Fittings, Add	*5.39*	
23 21 13 23-1979	EA	3" Grooved Rigid Coupling	47.60	17.13
		For Work In Restricted Working Space, Add	*7.69*	
		For Galvanized Fittings, Add	*5.39*	
23 21 13 23-1980	EA	3-1/2" Grooved Rigid Coupling	55.79	20.05
		For Work In Restricted Working Space, Add	*9.03*	
		For Galvanized Fittings, Add	*6.29*	
23 21 13 23-1981	EA	4" Grooved Rigid Coupling	70.73	22.86
		For Work In Restricted Working Space, Add	*10.30*	
		For Galvanized Fittings, Add	*8.92*	
23 21 13 23-1982	EA	5" Grooved Rigid Coupling	90.18	28.67
		For Work In Restricted Working Space, Add	*12.87*	
		For Galvanized Fittings, Add	*11.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1983	EA	6" Grooved Rigid Coupling	119.32	37.40
		For Work In Restricted Working Space, Add	*16.84*	
		For Galvanized Fittings, Add	*15.48*	
23 21 13 23-1984	EA	8" Grooved Rigid Coupling	166.37	44.62
		For Work In Restricted Working Space, Add	*20.05*	
		For Galvanized Fittings, Add	*24.39*	
23 21 13 23-1985	EA	10" Grooved Rigid Coupling	258.56	53.47
		For Work In Restricted Working Space, Add	*24.06*	
		For Galvanized Fittings, Add	*43.70*	
23 21 13 23-1986	EA	12" Grooved Rigid Coupling	287.32	58.53
		For Work In Restricted Working Space, Add	*26.32*	
		For Galvanized Fittings, Add	*48.90*	
23 21 13 23-1987	EA	14" Grooved Rigid Coupling	377.73	78.05
		For Work In Restricted Working Space, Add	*35.09*	
		For Galvanized Fittings, Add	*63.89*	
23 21 13 23-1988	EA	16" Grooved Rigid Coupling	480.46	93.67
		For Work In Restricted Working Space, Add	*42.11*	
		For Galvanized Fittings, Add	*83.32*	
23 21 13 23-1989	EA	18" Grooved Rigid Coupling	549.11	104.01
		For Work In Restricted Working Space, Add	*46.79*	
		For Galvanized Fittings, Add	*96.32*	
23 21 13 23-1990	EA	20" Grooved Rigid Coupling	643.52	117.06
		For Work In Restricted Working Space, Add	*52.63*	
		For Galvanized Fittings, Add	*114.68*	
23 21 13 23-1991	EA	24" Grooved Rigid Coupling	905.38	144.01
		For Work In Restricted Working Space, Add	*64.78*	
		For Galvanized Fittings, Add	*168.92*	

23 21 13 23-1992 Large Diameter Grooved Coupling *(23 21 13 23-1952)*

Note: Victaulic Style 770

23 21 13 23-1993	EA	28" Grooved Coupling	870.24	28.67
		For Work In Restricted Working Space, Add	*12.87*	
		For Galvanized Fittings, Add	*115.83*	
23 21 13 23-1994	EA	30" Grooved Coupling	1,008.66	37.40
		For Work In Restricted Working Space, Add	*16.84*	
		For Galvanized Fittings, Add	*133.35*	
23 21 13 23-1995	EA	32" Grooved Coupling	1,493.28	44.62
		For Work In Restricted Working Space, Add	*20.05*	
		For Galvanized Fittings, Add	*199.70*	
23 21 13 23-1996	EA	36" Grooved Coupling	1,980.58	53.47
		For Work In Restricted Working Space, Add	*24.06*	
		For Galvanized Fittings, Add	*266.05*	
23 21 13 23-1997	EA	42" Grooved Coupling	3,931.08	58.53
		For Work In Restricted Working Space, Add	*26.32*	
		For Galvanized Fittings, Add	*538.07*	

23 21 13 23-1998 Flexible Coupling *(23 21 13 23-1952)*

Note: Victaulic Style 75

23 21 13 23-1999	EA	1-1/2" Grooved Flexible Coupling	30.05	8.73
		For Work In Restricted Working Space, Add	*3.95*	
		For Galvanized Fittings, Add	*4.33*	
23 21 13 23-2000	EA	2" Grooved Flexible Coupling	34.95	11.75
		For Work In Restricted Working Space, Add	*5.29*	
		For Galvanized Fittings, Add	*4.44*	
23 21 13 23-2001	EA	2-1/2" Grooved Flexible Coupling	41.55	14.33
		For Work In Restricted Working Space, Add	*6.44*	
		For Galvanized Fittings, Add	*5.14*	
23 21 13 23-2002	EA	3" Grooved Flexible Coupling	48.98	17.13
		For Work In Restricted Working Space, Add	*7.69*	
		For Galvanized Fittings, Add	*5.98*	
23 21 13 23-2003	EA	3-1/2" Grooved Flexible Coupling	63.20	20.05
		For Work In Restricted Working Space, Add	*9.03*	
		For Galvanized Fittings, Add	*8.47*	
23 21 13 23-2004	EA	4" Grooved Flexible Coupling	67.42	22.86
		For Work In Restricted Working Space, Add	*10.30*	
		For Galvanized Fittings, Add	*8.47*	
23 21 13 23-2005	EA	5" Grooved Flexible Coupling	90.65	28.67
		For Work In Restricted Working Space, Add	*12.87*	
		For Galvanized Fittings, Add	*12.22*	
23 21 13 23-2006	EA	6" Grooved Flexible Coupling	113.65	37.40
		For Work In Restricted Working Space, Add	*16.84*	
		For Galvanized Fittings, Add	*14.72*	
23 21 13 23-2007	EA	8" Grooved Flexible Coupling	157.23	44.62
		For Work In Restricted Working Space, Add	*20.05*	
		For Galvanized Fittings, Add	*23.14*	

23 21 13 23-2008 Installation-Ready™ Coupling *(23 21 13 23-1952)*

Note: Victaulic Style 009N

23 21 13 23-2009	EA	1-1/4" Ductile Iron, Installation-Ready™ Coupling	82.00	5.44
		For Work In Restricted Working Space, Add	*2.48*	
		For Galvanized Fittings, Add	*18.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2010	EA	1-1/2" Ductile Iron, Installation-Ready™ Coupling	85.13	6.51
		For Work In Restricted Working Space, Add	*2.96*	
		For Galvanized Fittings, Add	*19.27*	
23 21 13 23-2011	EA	2" Ductile Iron, Installation-Ready™ Coupling	98.40	8.75
		For Work In Restricted Working Space, Add	*3.98*	
		For Galvanized Fittings, Add	*21.80*	
23 21 13 23-2012	EA	2-1/2" Ductile Iron, Installation-Ready™ Coupling	114.14	10.60
		For Work In Restricted Working Space, Add	*4.82*	
		For Galvanized Fittings, Add	*25.11*	
23 21 13 23-2013	EA	3" Ductile Iron, Installation-Ready™ Coupling	130.28	12.73
		For Work In Restricted Working Space, Add	*5.79*	
		For Galvanized Fittings, Add	*28.41*	
23 21 13 23-2014	EA	4" Ductile Iron, Installation-Ready™ Coupling	181.63	17.00
		For Work In Restricted Working Space, Add	*7.73*	
		For Galvanized Fittings, Add	*39.90*	
23 21 13 23-2015	EA	5" Ductile Iron, Installation-Ready™ Coupling	287.16	21.27
		For Work In Restricted Working Space, Add	*9.67*	
		For Galvanized Fittings, Add	*65.26*	
23 21 13 23-2016	EA	6" Ductile Iron, Installation-Ready™ Coupling	346.76	27.82
		For Work In Restricted Working Space, Add	*12.65*	
		For Galvanized Fittings, Add	*77.98*	
23 21 13 23-2017	EA	8" Ductile Iron, Installation-Ready™ Coupling	559.05	33.08
		For Work In Restricted Working Space, Add	*15.04*	
		For Galvanized Fittings, Add	*130.29*	

23 21 13 23-2018 Grooved Strainers And Suction Diffusers *(23 21 13 23-1529)*

23 21 13 23-2019 Grooved Wye Strainers *(23 21 13 23-2018)*

Note: Victaulic Style 732

23 21 13 23-2020	EA	2" Grooved Wye Strainer	2,658.23	23.71
		For Work In Restricted Working Space, Add	*10.57*	
23 21 13 23-2021	EA	2-1/2" Grooved Wye Strainer	2,798.12	28.78
		For Work In Restricted Working Space, Add	*12.87*	
23 21 13 23-2022	EA	3" Grooved Wye Strainer	3,146.59	34.49
		For Work In Restricted Working Space, Add	*15.61*	
23 21 13 23-2023	EA	4" Grooved Wye Strainer	3,571.51	46.02
		For Work In Restricted Working Space, Add	*20.60*	
23 21 13 23-2024	EA	5" Grooved Wye Strainer	5,159.96	57.56
		For Work In Restricted Working Space, Add	*25.75*	
23 21 13 23-2025	EA	6" Grooved Wye Strainer	5,620.89	74.81
		For Work In Restricted Working Space, Add	*33.68*	
23 21 13 23-2026	EA	8" Grooved Wye Strainer	8,578.62	89.15
		For Work In Restricted Working Space, Add	*40.10*	
23 21 13 23-2027	EA	10" Grooved Wye Strainer	13,731.60	104.23
		For Work In Restricted Working Space, Add	*46.79*	
23 21 13 23-2028	EA	12" Grooved Wye Strainer	23,902.69	125.15
		For Work In Restricted Working Space, Add	*56.14*	

23 21 13 23-2029 Grooved Tee Type Strainers *(23 21 13 23-2018)*

Note: Victaulic Style 730

23 21 13 23-2030	EA	1-1/2" Grooved Tee Type Strainer	2,050.81	18.00
		For Work In Restricted Working Space, Add	*8.00*	
23 21 13 23-2031	EA	2" Grooved Tee Type Strainer	2,625.86	23.71
		For Work In Restricted Working Space, Add	*10.57*	
23 21 13 23-2032	EA	2-1/2" Grooved Tee Type Strainer	2,764.48	28.78
		For Work In Restricted Working Space, Add	*12.87*	
23 21 13 23-2033	EA	3" Grooved Tee Type Strainer	3,108.58	34.49
		For Work In Restricted Working Space, Add	*15.61*	
23 21 13 23-2034	EA	4" Grooved Tee Type Strainer	3,528.41	46.02
		For Work In Restricted Working Space, Add	*20.60*	
23 21 13 23-2035	EA	5" Grooved Tee Type Strainer	5,097.21	57.56
		For Work In Restricted Working Space, Add	*25.75*	
23 21 13 23-2036	EA	6" Grooved Tee Type Strainer	5,553.23	74.81
		For Work In Restricted Working Space, Add	*33.68*	
23 21 13 23-2037	EA	8" Grooved Tee Type Strainer	8,473.87	89.15
		For Work In Restricted Working Space, Add	*40.10*	
23 21 13 23-2038	EA	10" Grooved Tee Type Strainer	12,405.82	104.23
		For Work In Restricted Working Space, Add	*46.79*	
23 21 13 23-2039	EA	12" Grooved Tee Type Strainer	15,956.05	125.15
		For Work In Restricted Working Space, Add	*56.14*	
23 21 13 23-2040	EA	14" Grooved Tee Type Strainer	56,417.13	140.88
		For Work In Restricted Working Space, Add	*63.41*	
23 21 13 23-2041	EA	16" Grooved Tee Type Strainer	70,089.54	155.97
		For Work In Restricted Working Space, Add	*70.18*	
23 21 13 23-2042	EA	18" Grooved Tee Type Strainer	92,136.02	170.41
		For Work In Restricted Working Space, Add	*76.63*	

23 21 13 23-2043 Grooved Suction Diffuser *(23 21 13 23-2018)*

Note: Victaulic Style 731

23 21 13 23-2044	EA	2-1/2" Grooved x 2" Flanged Suction Diffuser	5,418.45	26.62
		For Work In Restricted Working Space, Add	*11.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2045	EA	3" Grooved x 2" Flanged Suction Diffuser	5,751.95	29.42
		For Work In Restricted Working Space, Add	*13.10*	
23 21 13 23-2046	EA	3" Grooved x 2-1/2" Flanged Suction Diffuser	4,154.83	34.49
		For Work In Restricted Working Space, Add	*15.61*	
23 21 13 23-2047	EA	3" Grooved x 3" Flanged Suction Diffuser	4,213.42	37.40
		For Work In Restricted Working Space, Add	*16.82*	
23 21 13 23-2048	EA	4" Grooved x 2-1/2" Flanged Suction Diffuser	4,564.24	37.40
		For Work In Restricted Working Space, Add	*16.82*	
23 21 13 23-2049	EA	4" Grooved x 3" Flanged Suction Diffuser	4,924.27	40.31
		For Work In Restricted Working Space, Add	*18.11*	
23 21 13 23-2050	EA	4" Grooved x 4" Flanged Suction Diffuser	5,693.55	40.31
		For Work In Restricted Working Space, Add	*18.27*	
23 21 13 23-2051	EA	5" Grooved x 4" Flanged Suction Diffuser	6,356.58	51.73
		For Work In Restricted Working Space, Add	*23.28*	
23 21 13 23-2052	EA	5" Grooved x 5" Flanged Suction Diffuser	6,679.53	54.65
		For Work In Restricted Working Space, Add	*24.58*	
23 21 13 23-2053	EA	6" Grooved x 4" Flanged Suction Diffuser	6,785.26	60.37
		For Work In Restricted Working Space, Add	*27.17*	
23 21 13 23-2054	EA	6" Grooved x 5" Flanged Suction Diffuser	8,107.66	66.18
		For Work In Restricted Working Space, Add	*29.75*	
23 21 13 23-2055	EA	6" Grooved x 6" Flanged Suction Diffuser	8,420.91	70.49
		For Work In Restricted Working Space, Add	*31.69*	
23 21 13 23-2056	EA	8" Grooved x 5" Flanged Suction Diffuser	8,640.38	73.30
		For Work In Restricted Working Space, Add	*32.99*	
23 21 13 23-2057	EA	8" Grooved x 6" Flanged Suction Diffuser	9,118.15	81.92
		For Work In Restricted Working Space, Add	*36.86*	
23 21 13 23-2058	EA	8" Grooved x 8" Flanged Suction Diffuser	15,613.40	89.15
		For Work In Restricted Working Space, Add	*40.10*	
23 21 13 23-2059	EA	10" Grooved x 8" Flanged Suction Diffuser	17,611.91	96.37
		For Work In Restricted Working Space, Add	*43.49*	
23 21 13 23-2060	EA	10" Grooved x 10" Flanged Suction Diffuser	21,197.61	99.92
		For Work In Restricted Working Space, Add	*44.94*	
23 21 13 23-2061	EA	12" Grooved x 10" Flanged Suction Diffuser	25,086.00	115.01
		For Work In Restricted Working Space, Add	*51.59*	
23 21 13 23-2062	EA	12" Grooved x 12" Flanged Suction Diffuser	34,837.22	122.24
		For Work In Restricted Working Space, Add	*54.96*	
23 21 13 23-2063	EA	14" Grooved x 10" Flanged Suction Diffuser	32,434.83	122.24
		For Work In Restricted Working Space, Add	*55.07*	
23 21 13 23-2064	EA	14" Grooved x 12" Flanged Suction Diffuser	36,226.07	133.01
		For Work In Restricted Working Space, Add	*59.75*	
23 21 13 23-2065	EA	14" Grooved x 14" Flanged Suction Diffuser	43,960.74	140.88
		For Work In Restricted Working Space, Add	*63.21*	
23 21 13 23-2066	EA	16" Grooved x 14" Flanged Suction Diffuser	45,256.87	148.10
		For Work In Restricted Working Space, Add	*66.70*	

23 21 13 23-2067 Grooved Steel Valves *(23 21 13 23-1529)*

23 21 13 23-2068 Grooved Butterfly Valves With Standard Trim *(23 21 13 23-2067)*

23 21 13 23-2069	EA	1-1/2" Butterfly Valve, Grooved, With Standard Trim	289.83	11.75
		For Work In Restricted Working Space, Add	*5.29*	
23 21 13 23-2070	EA	2" Butterfly Valve, Grooved, With Standard Trim	295.39	15.41
		For Work In Restricted Working Space, Add	*6.95*	
23 21 13 23-2071	EA	3" Butterfly Valve, Grooved, With Standard Trim	484.77	22.86
		For Work In Restricted Working Space, Add	*10.30*	
23 21 13 23-2072	EA	4" Butterfly Valve, Grooved, With Standard Trim	651.16	30.08
		For Work In Restricted Working Space, Add	*13.55*	
23 21 13 23-2073	EA	6" Butterfly Valve, Grooved, With Standard Trim	1,421.94	49.26
		For Work In Restricted Working Space, Add	*22.16*	
23 21 13 23-2074	EA	8" Butterfly Valve, Grooved, With Standard Trim	1,970.53	69.31
		For Work In Restricted Working Space, Add	*31.19*	
23 21 13 23-2075	EA	10" Butterfly Valve, Grooved, With Standard Trim	2,959.66	93.67
		For Work In Restricted Working Space, Add	*42.11*	

23 21 13 23-2076 Grooved Butterfly Valves With Stainless Steel Trim *(23 21 13 23-2067)*

23 21 13 23-2077	EA	1-1/2" Butterfly Valve, Grooved, With Stainless Steel Trim	435.65	11.75
		For Work In Restricted Working Space, Add	*5.29*	
23 21 13 23-2078	EA	2" Butterfly Valve, Grooved, With Stainless Steel Trim	441.21	15.41
		For Work In Restricted Working Space, Add	*6.95*	
23 21 13 23-2079	EA	3" Butterfly Valve, Grooved, With Stainless Steel Trim	682.44	22.86
		For Work In Restricted Working Space, Add	*10.30*	
23 21 13 23-2080	EA	4" Butterfly Valve, Grooved, With Stainless Steel Trim	868.28	30.08
		For Work In Restricted Working Space, Add	*13.55*	
23 21 13 23-2081	EA	6" Butterfly Valve, Grooved, With Stainless Steel Trim	1,661.74	49.26
		For Work In Restricted Working Space, Add	*22.16*	
23 21 13 23-2082	EA	8" Butterfly Valve, Grooved, With Stainless Steel Trim	2,761.23	69.31
		For Work In Restricted Working Space, Add	*31.19*	
23 21 13 23-2083	EA	10" Butterfly Valve, Grooved, With Stainless Steel Trim	4,353.10	93.67
		For Work In Restricted Working Space, Add	*42.11*	

23 21 13 23-2084 Grooved Ball Valves With Standard Trim And Handle *(23 21 13 23-2067)*

Note: Victaulic No. 721

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2085	EA	1-1/2" Ball Valve, Grooved, With Standard Trim	244.50	11.53
		For Work In Restricted Working Space, Add	*5.29*	
23 21 13 23-2086	EA	2" Ball Valve, Grooved, With Standard Trim	280.03	15.84
		For Work In Restricted Working Space, Add	*6.95*	
23 21 13 23-2087	EA	2-1/2" Ball Valve, Grooved, With Standard Trim	639.72	19.40
		For Work In Restricted Working Space, Add	*8.73*	
23 21 13 23-2088	EA	3" Ball Valve, Grooved, With Standard Trim	1,049.32	22.96
		For Work In Restricted Working Space, Add	*10.30*	
23 21 13 23-2089	EA	4" Ball Valve, Grooved, With Standard Trim	1,634.22	30.18
		For Work In Restricted Working Space, Add	*13.55*	
23 21 13 23-2090	EA	6" Ball Valve, Grooved, With Standard Trim	5,082.57	49.58
		For Work In Restricted Working Space, Add	*22.16*	

23 21 13 23-2091 Grooved Ball Valves With Stainless Steel Trim And Handle *(23 21 13 23-2067)*

Note: Victaulic No. 721

23 21 13 23-2092	EA	1-1/2" Ball Valve, Grooved, With Stainless Steel Trim	260.47	11.53
		For Work In Restricted Working Space, Add	*5.29*	
23 21 13 23-2093	EA	2" Ball Valve, Grooved, With Stainless Steel Trim	445.82	15.84
		For Work In Restricted Working Space, Add	*6.95*	
23 21 13 23-2094	EA	2-1/2" Ball Valve, Grooved, With Stainless Steel Trim	1,162.49	19.40
		For Work In Restricted Working Space, Add	*8.73*	
23 21 13 23-2095	EA	3" Ball Valve, Grooved, With Stainless Steel Trim	1,503.37	22.96
		For Work In Restricted Working Space, Add	*10.30*	
23 21 13 23-2096	EA	4" Ball Valve, Grooved, With Stainless Steel Trim	2,053.81	30.18
		For Work In Restricted Working Space, Add	*13.55*	
23 21 13 23-2097	EA	6" Ball Valve, Grooved, With Stainless Steel Trim	5,602.50	49.58
		For Work In Restricted Working Space, Add	*22.16*	

23 21 13 23-2098 Grooved Check Valves *(23 21 13 23-2067)*

Note: Victaulic No. 712

23 21 13 23-2099	EA	2" Check Valve, Grooved	371.30	15.84
		For Work In Restricted Working Space, Add	*6.95*	
23 21 13 23-2100	EA	2-1/2" Check Valve, Grooved	602.86	19.40
		For Work In Restricted Working Space, Add	*8.73*	
23 21 13 23-2101	EA	3" Check Valve, Grooved	702.43	22.96
		For Work In Restricted Working Space, Add	*10.30*	
23 21 13 23-2102	EA	4" Check Valve, Grooved	995.73	30.18
		For Work In Restricted Working Space, Add	*13.55*	

23 21 13 23-2103 Grooved Vic-Check Check Valves *(23 21 13 23-2067)*

Note: Victaulic No. 716

23 21 13 23-2104	EA	2-1/2" "Vic-Check" Check Valve, Grooved	481.62	19.40
		For Work In Restricted Working Space, Add	*8.73*	
23 21 13 23-2105	EA	3" "Vic-Check" Check Valve, Grooved	486.86	22.96
		For Work In Restricted Working Space, Add	*10.30*	
23 21 13 23-2106	EA	4" "Vic-Check" Check Valve, Grooved	610.09	30.18
		For Work In Restricted Working Space, Add	*13.55*	
23 21 13 23-2107	EA	6" "Vic-Check" Check Valve, Grooved	1,189.63	49.58
		For Work In Restricted Working Space, Add	*22.16*	
23 21 13 23-2108	EA	8" "Vic-Check" Check Valve, Grooved	1,627.76	68.99
		For Work In Restricted Working Space, Add	*30.83*	
23 21 13 23-2109	EA	10" "Vic-Check" Check Valve, Grooved	4,552.34	93.46
		For Work In Restricted Working Space, Add	*41.75*	
23 21 13 23-2110	EA	12" "Vic-Check" Check Valve, Grooved	5,390.87	107.90
		For Work In Restricted Working Space, Add	*48.18*	

23 21 13 23-2111 Grooved Plug Valves With Lever Operator *(23 21 13 23-2067)*

Note: Victaulic No. 377

23 21 13 23-2112	EA	3" Balancing Plug Valve, Grooved, With Lever Handle	1,377.00	22.96
		For Work In Restricted Working Space, Add	*10.30*	
23 21 13 23-2113	EA	4" Balancing Plug Valve, Grooved, With Lever Handle	1,522.64	30.18
		For Work In Restricted Working Space, Add	*13.55*	
23 21 13 23-2114	EA	6" Balancing Plug Valve, Grooved, With Lever Handle	2,723.75	49.58
		For Work In Restricted Working Space, Add	*22.16*	

23 21 13 23-2115 Grooved Plug Valve With Gear Operator *(23 21 13 23-2067)*

Note: Victaulic No. 377

23 21 13 23-2116	EA	3" Balancing Plug Valve, Grooved, With Gear Operator	2,459.85	22.96
		For Work In Restricted Working Space, Add	*10.30*	
23 21 13 23-2117	EA	4" Balancing Plug Valve, Grooved, With Gear Operator	2,605.58	30.18
		For Work In Restricted Working Space, Add	*13.55*	
23 21 13 23-2118	EA	6" Balancing Plug Valve, Grooved, With Gear Operator	3,806.70	49.58
		For Work In Restricted Working Space, Add	*22.16*	
23 21 13 23-2119	EA	8" Balancing Plug Valve, Grooved, With Gear Operator	5,089.02	68.99
		For Work In Restricted Working Space, Add	*30.83*	
23 21 13 23-2120	EA	10" Balancing Plug Valve, Grooved, With Gear Operator	8,002.52	93.46
		For Work In Restricted Working Space, Add	*41.75*	
23 21 13 23-2121	EA	12" Balancing Plug Valve, Grooved, With Gear Operator	11,614.12	107.90
		For Work In Restricted Working Space, Add	*48.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 21 13 23-2122 Prepare Pipe For Groove *(23 21 13 23-1529)*

23 21 13 23-2123 Cut Grooved Pipe *(23 21 13 23-2122)*

Note: For use where connecting ungrooved pipe with grooved pipe, coupling to grooved pipe, or for field groove preparation on existing cut pipe.

23 21 13 23-2124	EA	Cut 3/4" Groove Pipe	11.29	
		For Work In Restricted Working Space, Add	*3.39*	
23 21 13 23-2125	EA	Cut 1" Groove Pipe	12.26	
		For Work In Restricted Working Space, Add	*3.68*	
23 21 13 23-2126	EA	Cut 1-1/4" Groove Pipe	13.84	
		For Work In Restricted Working Space, Add	*4.15*	
23 21 13 23-2127	EA	Cut 1-1/2" Groove Pipe	15.06	
		For Work In Restricted Working Space, Add	*4.52*	
23 21 13 23-2128	EA	Cut 2" Groove Pipe	16.50	
		For Work In Restricted Working Space, Add	*4.95*	
23 21 13 23-2129	EA	Cut 2-1/2" Groove Pipe	17.88	
		For Work In Restricted Working Space, Add	*5.36*	
23 21 13 23-2130	EA	Cut 3" Groove Pipe	19.50	
		For Work In Restricted Working Space, Add	*5.85*	
23 21 13 23-2131	EA	Cut 3-1/2" Groove Pipe	20.68	
		For Work In Restricted Working Space, Add	*6.20*	
23 21 13 23-2132	EA	Cut 4" Groove Pipe	22.01	
		For Work In Restricted Working Space, Add	*6.60*	
23 21 13 23-2133	EA	Cut 5" Groove Pipe	23.84	
		For Work In Restricted Working Space, Add	*7.15*	
23 21 13 23-2134	EA	Cut 6" Groove Pipe	24.52	
		For Work In Restricted Working Space, Add	*7.36*	
23 21 13 23-2135	EA	Cut 8" Groove Pipe	31.79	
		For Work In Restricted Working Space, Add	*9.54*	
23 21 13 23-2136	EA	Cut 10" Groove Pipe	45.17	
		For Work In Restricted Working Space, Add	*13.55*	
23 21 13 23-2137	EA	Cut 12" Groove Pipe	57.21	
		For Work In Restricted Working Space, Add	*17.16*	
23 21 13 23-2138	EA	Cut 14" Groove Pipe	85.82	
		For Work In Restricted Working Space, Add	*25.75*	
23 21 13 23-2139	EA	Cut 16" Groove Pipe	90.33	
		For Work In Restricted Working Space, Add	*27.10*	
23 21 13 23-2140	EA	Cut 18" Groove Pipe	95.36	
		For Work In Restricted Working Space, Add	*28.61*	
23 21 13 23-2141	EA	Cut 20" Groove Pipe	100.96	
		For Work In Restricted Working Space, Add	*30.29*	
23 21 13 23-2142	EA	Cut 24" Groove Pipe	114.43	
		For Work In Restricted Working Space, Add	*34.33*	

23 21 13 23-2143 Roll Grooved Pipe *(23 21 13 23-2122)*

Note: For use where connecting ungrooved pipe with grooved pipe, coupling to grooved pipe, or for field groove preparation on existing cut pipe.

23 21 13 23-2144	EA	Roll 3/4" Groove	6.46	
		For Work In Restricted Working Space, Add	*1.94*	
23 21 13 23-2145	EA	Roll 1" Groove	7.52	
		For Work In Restricted Working Space, Add	*2.26*	
23 21 13 23-2146	EA	Roll 1-1/4" Groove	8.58	
		For Work In Restricted Working Space, Add	*2.57*	
23 21 13 23-2147	EA	Roll 1-1/2" Groove	9.64	
		For Work In Restricted Working Space, Add	*2.89*	
23 21 13 23-2148	EA	Roll 2" Groove	14.80	
		For Work In Restricted Working Space, Add	*4.44*	
23 21 13 23-2149	EA	Roll 2-1/2" Groove	15.60	
		For Work In Restricted Working Space, Add	*4.68*	
23 21 13 23-2150	EA	Roll 3" Groove	17.16	
		For Work In Restricted Working Space, Add	*5.15*	
23 21 13 23-2151	EA	Roll 3-1/2" Groove	18.26	
		For Work In Restricted Working Space, Add	*5.48*	
23 21 13 23-2152	EA	Roll 4" Groove	19.95	
		For Work In Restricted Working Space, Add	*5.99*	
23 21 13 23-2153	EA	Roll 5" Groove	20.44	
		For Work In Restricted Working Space, Add	*6.13*	
23 21 13 23-2154	EA	Roll 6" Groove	21.46	
		For Work In Restricted Working Space, Add	*6.44*	
23 21 13 23-2155	EA	Roll 8" Groove	26.01	
		For Work In Restricted Working Space, Add	*7.80*	
23 21 13 23-2156	EA	Roll 10" Groove	29.59	
		For Work In Restricted Working Space, Add	*8.88*	
23 21 13 23-2157	EA	Roll 12" Groove	37.31	
		For Work In Restricted Working Space, Add	*11.19*	
23 21 13 23-2158	EA	Roll 14" Groove	57.21	
		For Work In Restricted Working Space, Add	*17.16*	
23 21 13 23-2159	EA	Roll 16" Groove	61.30	
		For Work In Restricted Working Space, Add	*18.39*	
23 21 13 23-2160	EA	Roll 18" Groove	63.57	
		For Work In Restricted Working Space, Add	*19.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2161	EA	Roll 20" Groove	68.66	
		For Work In Restricted Working Space, Add	*20.60*	
23 21 13 23-2162	EA	Roll 24" Groove	74.63	
		For Work In Restricted Working Space, Add	*22.39*	
23 21 13 23-2163		**Standard Gaskets** *(23 21 13 23-2122)*		
		Note: For use on replacement of existing gaskets.		
23 21 13 23-2164	EA	3/4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	14.13	
		For Work In Restricted Working Space, Add	*1.35*	
23 21 13 23-2165	EA	1" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	15.03	
		For Work In Restricted Working Space, Add	*1.62*	
23 21 13 23-2166	EA	1-1/4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	15.90	
		For Work In Restricted Working Space, Add	*1.79*	
23 21 13 23-2167	EA	1-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	17.52	
		For Work In Restricted Working Space, Add	*2.02*	
23 21 13 23-2168	EA	2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	18.16	
		For Work In Restricted Working Space, Add	*2.21*	
23 21 13 23-2169	EA	2-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	20.82	
		For Work In Restricted Working Space, Add	*2.31*	
23 21 13 23-2170	EA	3" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	22.95	
		For Work In Restricted Working Space, Add	*2.61*	
23 21 13 23-2171	EA	3-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	27.65	
		For Work In Restricted Working Space, Add	*2.84*	
23 21 13 23-2172	EA	4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	28.17	
		For Work In Restricted Working Space, Add	*2.99*	
23 21 13 23-2173	EA	5" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	34.02	
		For Work In Restricted Working Space, Add	*3.08*	
23 21 13 23-2174	EA	6" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	36.46	
		For Work In Restricted Working Space, Add	*3.23*	
23 21 13 23-2175	EA	8" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	48.94	
		For Work In Restricted Working Space, Add	*4.04*	
23 21 13 23-2176	EA	10" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	60.44	
		For Work In Restricted Working Space, Add	*4.49*	
23 21 13 23-2177	EA	12" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	72.08	
		For Work In Restricted Working Space, Add	*5.78*	
23 21 13 23-2178	EA	14" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	101.39	
		For Work In Restricted Working Space, Add	*8.51*	
23 21 13 23-2179	EA	16" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	131.79	
		For Work In Restricted Working Space, Add	*9.19*	
23 21 13 23-2180	EA	18" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	153.90	
		For Work In Restricted Working Space, Add	*9.51*	
23 21 13 23-2181	EA	20" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	221.68	
		For Work In Restricted Working Space, Add	*10.10*	
23 21 13 23-2182	EA	24" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	299.80	
		For Work In Restricted Working Space, Add	*11.55*	
23 21 13 23-2183		**Copper Grooved-Joint Pipe Fittings** *(23 21 13 23)*		
		Note: Couplings are not included with fittings.		
23 21 13 23-2184		**Grooved Fittings** *(23 21 13 23-2183)*		
23 21 13 23-2185		**Grooved 90 Degree Elbows** *(23 21 13 23-2184)*		
23 21 13 23-2186	EA	2" Copper 90 Degree Elbow, Grooved	154.20	17.57
		For Work In Restricted Working Space, Add	*10.57*	
23 21 13 23-2187	EA	2-1/2" Copper 90 Degree Elbow, Grooved	171.67	21.46
		For Work In Restricted Working Space, Add	*12.87*	
23 21 13 23-2188	EA	3" Copper 90 Degree Elbow, Grooved	232.40	25.98
		For Work In Restricted Working Space, Add	*15.61*	
23 21 13 23-2189	EA	4" Copper 90 Degree Elbow, Grooved	482.67	34.28
		For Work In Restricted Working Space, Add	*20.60*	
23 21 13 23-2190	EA	5" Copper 90 Degree Elbow, Grooved	1,259.34	42.90
		For Work In Restricted Working Space, Add	*25.75*	
23 21 13 23-2191	EA	6" Copper 90 Degree Elbow, Grooved	1,985.04	56.16
		For Work In Restricted Working Space, Add	*33.68*	
23 21 13 23-2192	EA	8" Copper 90 Degree Elbow, Grooved	3,649.40	66.83
		For Work In Restricted Working Space, Add	*40.10*	
23 21 13 23-2193		**Grooved 45 Degree Elbows** *(23 21 13 23-2184)*		
23 21 13 23-2194	EA	2" Copper 45 Degree Elbow, Grooved	154.20	17.57
		For Work In Restricted Working Space, Add	*10.57*	
23 21 13 23-2195	EA	2-1/2" Copper 45 Degree Elbow, Grooved	171.67	21.46
		For Work In Restricted Working Space, Add	*12.87*	
23 21 13 23-2196	EA	3" Copper 45 Degree Elbow, Grooved	232.40	25.98
		For Work In Restricted Working Space, Add	*15.61*	
23 21 13 23-2197	EA	4" Copper 45 Degree Elbow, Grooved	482.67	34.28
		For Work In Restricted Working Space, Add	*20.60*	
23 21 13 23-2198	EA	5" Copper 45 Degree Elbow, Grooved	1,259.34	42.90
		For Work In Restricted Working Space, Add	*25.75*	
23 21 13 23-2199	EA	6" Copper 45 Degree Elbow, Grooved	1,985.04	56.16
		For Work In Restricted Working Space, Add	*33.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2200	EA	8" Copper 45 Degree Elbow, Grooved	3,649.40	66.83
		For Work In Restricted Working Space, Add	*40.10*	

23 21 13 23-2201 Grooved Tees *(23 21 13 23-2184)*

23 21 13 23-2202	EA	2" Copper Tee, Grooved	246.86	25.87
		For Work In Restricted Working Space, Add	*15.54*	
23 21 13 23-2203	EA	2-1/2" Copper Tee, Grooved	270.56	31.80
		For Work In Restricted Working Space, Add	*19.07*	
23 21 13 23-2204	EA	3" Copper Tee, Grooved	386.06	39.02
		For Work In Restricted Working Space, Add	*23.40*	
23 21 13 23-2205	EA	4" Copper Tee, Grooved	776.29	50.45
		For Work In Restricted Working Space, Add	*30.29*	
23 21 13 23-2206	EA	5" Copper Tee, Grooved	3,103.79	65.97
		For Work In Restricted Working Space, Add	*39.61*	
23 21 13 23-2207	EA	6" Copper Tee, Grooved	2,499.71	82.57
		For Work In Restricted Working Space, Add	*49.54*	
23 21 13 23-2208	EA	8" Copper Tee, Grooved	4,369.26	100.25
		For Work In Restricted Working Space, Add	*60.15*	

23 21 13 23-2209 Grooved Reducing Tees *(23 21 13 23-2184)*

23 21 13 23-2210	EA	2-1/2" Copper Tee, Reducing, Grooved	372.15	31.80
		For Work In Restricted Working Space, Add	*19.07*	
23 21 13 23-2211	EA	3" Copper Tee, Reducing, Grooved	601.76	39.02
		For Work In Restricted Working Space, Add	*23.40*	
23 21 13 23-2212	EA	4" Copper Tee, Reducing, Grooved	988.18	50.56
		For Work In Restricted Working Space, Add	*30.29*	
23 21 13 23-2213	EA	5" Copper Tee, Reducing, Grooved	2,839.87	66.08
		For Work In Restricted Working Space, Add	*39.61*	
23 21 13 23-2214	EA	6" Copper Tee, Reducing, Grooved	3,471.13	82.57
		For Work In Restricted Working Space, Add	*49.54*	

23 21 13 23-2215 Grooved X Cup Reducing Tees *(23 21 13 23-2184)*

23 21 13 23-2216	EA	2" Copper Tee, Reducing, Grooved X Cup	301.19	25.87
		For Work In Restricted Working Space, Add	*15.54*	
23 21 13 23-2217	EA	2-1/2" Copper Tee, Reducing, Grooved X Cup	373.26	31.80
		For Work In Restricted Working Space, Add	*19.07*	
23 21 13 23-2218	EA	3" Copper Tee, Reducing, Grooved X Cup	650.65	39.02
		For Work In Restricted Working Space, Add	*23.40*	
23 21 13 23-2219	EA	4" Copper Tee, Reducing, Grooved X Cup	988.18	50.45
		For Work In Restricted Working Space, Add	*30.29*	

23 21 13 23-2220 Grooved Flanged Adapter Nipples *(23 21 13 23-2184)*

23 21 13 23-2221	EA	2" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	551.60	19.08
		For Work In Restricted Working Space, Add	*11.49*	
23 21 13 23-2222	EA	2-1/2" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	580.92	23.18
		For Work In Restricted Working Space, Add	*13.92*	
23 21 13 23-2223	EA	3" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	615.36	27.70
		For Work In Restricted Working Space, Add	*16.61*	
23 21 13 23-2224	EA	4" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	688.53	37.30
		For Work In Restricted Working Space, Add	*22.39*	
23 21 13 23-2225	EA	5" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	915.56	45.17
		For Work In Restricted Working Space, Add	*27.10*	
23 21 13 23-2226	EA	6" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	1,020.01	61.01
		For Work In Restricted Working Space, Add	*36.61*	

23 21 13 23-2227 Grooved Concentric Reducers *(23 21 13 23-2184)*

23 21 13 23-2228	EA	2-1/2" x 2" Copper Concentric Reducer, Grooved	209.93	19.62
		For Work In Restricted Working Space, Add	*11.80*	
23 21 13 23-2229	EA	3" x 2" Copper Concentric Reducer, Grooved	214.26	21.88
		For Work In Restricted Working Space, Add	*13.10*	
23 21 13 23-2230	EA	3" x 2-1/2" Copper Concentric Reducer, Grooved	222.62	25.98
		For Work In Restricted Working Space, Add	*15.61*	
23 21 13 23-2231	EA	4" x 2" Copper Concentric Reducer, Grooved	401.11	26.19
		For Work In Restricted Working Space, Add	*15.69*	
23 21 13 23-2232	EA	4" x 2-1/2" Copper Concentric Reducer, Grooved	404.88	28.02
		For Work In Restricted Working Space, Add	*16.82*	
23 21 13 23-2233	EA	4" x 3" Copper Concentric Reducer, Grooved	409.19	30.18
		For Work In Restricted Working Space, Add	*18.11*	
23 21 13 23-2234	EA	5" x 3" Copper Concentric Reducer, Grooved	1,050.19	34.49
		For Work In Restricted Working Space, Add	*20.70*	
23 21 13 23-2235	EA	5" x 4" Copper Concentric Reducer, Grooved	1,058.81	38.80
		For Work In Restricted Working Space, Add	*23.28*	
23 21 13 23-2236	EA	6" x 3" Copper Concentric Reducer, Grooved	1,144.08	40.96
		For Work In Restricted Working Space, Add	*24.58*	
23 21 13 23-2237	EA	6" x 4" Copper Concentric Reducer, Grooved	1,152.70	45.27
		For Work In Restricted Working Space, Add	*27.17*	
23 21 13 23-2238	EA	6" x 5" Copper Concentric Reducer, Grooved	1,161.33	49.58
		For Work In Restricted Working Space, Add	*29.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2239	EA	8" x 6" Copper Concentric Reducer, Grooved	1,986.96	61.44
		For Work In Restricted Working Space, Add	*36.86*	

23 21 13 23-2240 Grooved X Cup Concentric Reducers *(23 21 13 23-2184)*

23 21 13 23-2241	EA	2" x 1" Copper Concentric Reducer, Grooved X Cup	168.76	13.80
		For Work In Restricted Working Space, Add	*8.25*	
23 21 13 23-2242	EA	2" x 1-1/4" Copper Concentric Reducer, Grooved X Cup	169.84	14.33
		For Work In Restricted Working Space, Add	*8.57*	
23 21 13 23-2243	EA	2" x 1-1/2" Copper Concentric Reducer, Grooved X Cup	173.13	15.96
		For Work In Restricted Working Space, Add	*9.56*	
23 21 13 23-2244	EA	2-1/2" x 1" Copper Concentric Reducer, Grooved X Cup	203.57	15.41
		For Work In Restricted Working Space, Add	*9.24*	
23 21 13 23-2245	EA	2-1/2" x 1-1/4" Copper Concentric Reducer, Grooved X Cup	204.64	15.96
		For Work In Restricted Working Space, Add	*9.56*	
23 21 13 23-2246	EA	2-1/2" x 1-1/2" Copper Concentric Reducer, Grooved X Cup	207.81	17.57
		For Work In Restricted Working Space, Add	*10.51*	
23 21 13 23-2247	EA	2-1/2" x 2" Copper Concentric Reducer, Grooved X Cup	212.11	19.62
		For Work In Restricted Working Space, Add	*11.80*	
23 21 13 23-2248	EA	3" x 1-1/2" Copper Concentric Reducer, Grooved X Cup	253.92	19.62
		For Work In Restricted Working Space, Add	*11.80*	
23 21 13 23-2249	EA	3" x 2" Copper Concentric Reducer, Grooved X Cup	258.25	21.88
		For Work In Restricted Working Space, Add	*13.10*	
23 21 13 23-2250	EA	4" x 2" Copper Concentric Reducer, Grooved X Cup	450.55	26.09
		For Work In Restricted Working Space, Add	*15.69*	

23 21 13 23-2251 Grooved Standard Couplings *(23 21 13 23-2184)*

23 21 13 23-2252	EA	2" Copper Standard Coupling, Grooved	58.64	8.83
		For Work In Restricted Working Space, Add	*5.29*	
23 21 13 23-2253	EA	2-1/2" Copper Standard Coupling, Grooved	68.48	10.78
		For Work In Restricted Working Space, Add	*6.44*	
23 21 13 23-2254	EA	3" Copper Standard Coupling, Grooved	77.37	12.82
		For Work In Restricted Working Space, Add	*7.69*	
23 21 13 23-2255	EA	4" Copper Standard Coupling, Grooved	113.54	17.24
		For Work In Restricted Working Space, Add	*10.30*	
23 21 13 23-2256	EA	5" Copper Standard Coupling, Grooved	177.66	21.46
		For Work In Restricted Working Space, Add	*12.87*	
23 21 13 23-2257	EA	6" Copper Standard Coupling, Grooved	234.12	28.02
		For Work In Restricted Working Space, Add	*16.84*	
23 21 13 23-2258	EA	8" Copper Standard Coupling, Grooved	343.91	33.41
		For Work In Restricted Working Space, Add	*20.05*	

23 21 13 23-2259 Grooved Caps *(23 21 13 23-2184)*

23 21 13 23-2260	EA	2" Copper Cap, Grooved	99.64	8.83
		For Work In Restricted Working Space, Add	*5.29*	
23 21 13 23-2261	EA	2-1/2" Copper Cap, Grooved	143.17	10.78
		For Work In Restricted Working Space, Add	*6.44*	
23 21 13 23-2262	EA	3" Copper Cap, Grooved	176.65	12.82
		For Work In Restricted Working Space, Add	*7.69*	
23 21 13 23-2263	EA	4" Copper Cap, Grooved	260.89	17.13
		For Work In Restricted Working Space, Add	*10.30*	
23 21 13 23-2264	EA	5" Copper Cap, Grooved	444.61	21.46
		For Work In Restricted Working Space, Add	*12.87*	
23 21 13 23-2265	EA	6" Copper Cap, Grooved	518.49	28.02
		For Work In Restricted Working Space, Add	*16.84*	

23 21 13 23-2266 Grooved Valves *(23 21 13 23-2183)*

23 21 13 23-2267 Grooved Butterfly Valves, Standard Trim, Without Operator *(23 21 13 23-2266)*

Note: Copper body.

23 21 13 23-2268	EA	2" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	478.68	11.53
		For Work In Restricted Working Space, Add	*6.95*	
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2269	EA	3" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	544.52	17.13
		For Work In Restricted Working Space, Add	*10.30*	
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2270	EA	4" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	719.79	22.53
		For Work In Restricted Working Space, Add	*13.55*	
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2271	EA	6" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	960.59	36.97
		For Work In Restricted Working Space, Add	*22.16*	
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2272	EA	8" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	1,059.18	51.96
		For Work In Restricted Working Space, Add	*31.19*	
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2273		**Grooved Butterfly Valves, Standard Trim, With Operator** *(23 21 13 23-2266)* Note: Copper body.		
23 21 13 23-2274	EA	2" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	584.74	11.53
		For Work In Restricted Working Space, Add	*6.95*	
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2275	EA	3" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	650.65	17.13
		For Work In Restricted Working Space, Add	*10.30*	
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2276	EA	4" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	825.92	22.53
		For Work In Restricted Working Space, Add	*13.55*	
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2277	EA	6" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	1,066.79	36.97
		For Work In Restricted Working Space, Add	*22.16*	
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2278	EA	8" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	1,165.31	51.96
		For Work In Restricted Working Space, Add	*31.19*	
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2279		**Polyvinyl Chloride (PVC) Pressure Pipe And Fittings** *(23 21 13 23)* Note: Socket or back weld.		
23 21 13 23-2280		**Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings** *(23 21 13 23-2279)* Note: ASTM D1785 with D2466 fittings.		
23 21 13 23-2281		**Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe** *(23 21 13 23-2280)*		
23 21 13 23-2282	LF	1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	5.12	3.08
		For Work In Restricted Working Space, Add	*1.39*	
23 21 13 23-2283	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	6.42	3.85
		For Work In Restricted Working Space, Add	*1.73*	
23 21 13 23-2284	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	7.07	4.11
		For Work In Restricted Working Space, Add	*1.85*	
23 21 13 23-2285	LF	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	7.85	4.42
		For Work In Restricted Working Space, Add	*1.99*	
23 21 13 23-2286	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	8.12	4.49
		For Work In Restricted Working Space, Add	*2.02*	
23 21 13 23-2287	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	9.96	5.38
		For Work In Restricted Working Space, Add	*2.42*	
23 21 13 23-2288	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	12.56	6.40
		For Work In Restricted Working Space, Add	*2.87*	
23 21 13 23-2289	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	15.46	7.73
		For Work In Restricted Working Space, Add	*3.48*	
23 21 13 23-2290	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	22.96	11.58
		For Work In Restricted Working Space, Add	*5.22*	
23 21 13 23-2291	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	32.90	15.46
		For Work In Restricted Working Space, Add	*6.95*	
23 21 13 23-2292	LF	8" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	42.40	18.42
		For Work In Restricted Working Space, Add	*8.29*	
23 21 13 23-2293	LF	10" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	76.03	20.58
		For Work In Restricted Working Space, Add	*9.25*	
23 21 13 23-2294		**Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows** *(23 21 13 23-2280)*		
23 21 13 23-2295	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	18.26	11.64
		For Work In Restricted Working Space, Add	*5.22*	
23 21 13 23-2296	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	24.40	15.41
		For Work In Restricted Working Space, Add	*6.95*	
23 21 13 23-2297	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	30.93	19.19
		For Work In Restricted Working Space, Add	*8.63*	
23 21 13 23-2298	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	44.68	27.17
		For Work In Restricted Working Space, Add	*12.20*	
23 21 13 23-2299	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	50.14	30.61
		For Work In Restricted Working Space, Add	*13.76*	
23 21 13 23-2300	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	64.98	38.91
		For Work In Restricted Working Space, Add	*17.48*	
23 21 13 23-2301	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	106.64	57.56
		For Work In Restricted Working Space, Add	*25.87*	
23 21 13 23-2302	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	137.97	75.67
		For Work In Restricted Working Space, Add	*34.04*	
23 21 13 23-2303	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	178.52	89.90
		For Work In Restricted Working Space, Add	*40.42*	
23 21 13 23-2304	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	258.83	102.72
		For Work In Restricted Working Space, Add	*46.20*	
23 21 13 23-2305	EA	8" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	449.59	119.87
		For Work In Restricted Working Space, Add	*53.90*	
23 21 13 23-2306	EA	10" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	672.39	178.71
		For Work In Restricted Working Space, Add	*80.36*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2307		**Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows** *(23 21 13 23-2280)*		
23 21 13 23-2308	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	18.70	11.64
		For Work In Restricted Working Space, Add	*5.22*	
23 21 13 23-2309	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	25.27	15.41
		For Work In Restricted Working Space, Add	*6.95*	
23 21 13 23-2310	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	32.15	19.19
		For Work In Restricted Working Space, Add	*8.63*	
23 21 13 23-2311	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	45.47	27.17
		For Work In Restricted Working Space, Add	*12.20*	
23 21 13 23-2312	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	51.89	30.61
		For Work In Restricted Working Space, Add	*13.76*	
23 21 13 23-2313	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	66.11	38.91
		For Work In Restricted Working Space, Add	*17.48*	
23 21 13 23-2314	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	106.64	57.56
		For Work In Restricted Working Space, Add	*25.87*	
23 21 13 23-2315	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	145.29	75.67
		For Work In Restricted Working Space, Add	*34.04*	
23 21 13 23-2316	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	191.87	89.90
		For Work In Restricted Working Space, Add	*40.42*	
23 21 13 23-2317	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	260.05	102.72
		For Work In Restricted Working Space, Add	*46.20*	
23 21 13 23-2318	EA	8" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	434.85	119.87
		For Work In Restricted Working Space, Add	*53.90*	
23 21 13 23-2319	EA	10" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	672.39	178.71
		For Work In Restricted Working Space, Add	*80.36*	
23 21 13 23-2320		**Schedule 40 Polyvinyl Chloride (PVC) Tees** *(23 21 13 23-2280)*		
23 21 13 23-2321	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees	29.80	19.19
		For Work In Restricted Working Space, Add	*8.63*	
23 21 13 23-2322	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Tees	35.90	23.18
		For Work In Restricted Working Space, Add	*10.43*	
23 21 13 23-2323	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Tees	48.05	30.61
		For Work In Restricted Working Space, Add	*13.76*	
23 21 13 23-2324	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Tees	61.75	38.91
		For Work In Restricted Working Space, Add	*17.48*	
23 21 13 23-2325	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees	73.81	46.35
		For Work In Restricted Working Space, Add	*20.86*	
23 21 13 23-2326	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Tees	92.42	57.56
		For Work In Restricted Working Space, Add	*25.87*	
23 21 13 23-2327	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees	134.04	75.67
		For Work In Restricted Working Space, Add	*34.04*	
23 21 13 23-2328	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Tees	161.69	89.90
		For Work In Restricted Working Space, Add	*40.42*	
23 21 13 23-2329	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Tees	228.49	119.87
		For Work In Restricted Working Space, Add	*53.90*	
23 21 13 23-2330	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Tees	396.48	154.57
		For Work In Restricted Working Space, Add	*69.54*	
23 21 13 23-2331	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Tees	669.45	191.76
		For Work In Restricted Working Space, Add	*86.23*	
23 21 13 23-2332	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Tees	1,924.40	286.50
		For Work In Restricted Working Space, Add	*128.87*	
23 21 13 23-2333		**Schedule 40 Polyvinyl Chloride (PVC) Crosses** *(23 21 13 23-2280)*		
23 21 13 23-2334	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses	37.57	23.93
		For Work In Restricted Working Space, Add	*10.78*	
23 21 13 23-2335	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Crosses	45.24	29.00
		For Work In Restricted Working Space, Add	*13.04*	
23 21 13 23-2336	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Crosses	60.76	38.27
		For Work In Restricted Working Space, Add	*17.20*	
23 21 13 23-2337	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Crosses	78.30	48.61
		For Work In Restricted Working Space, Add	*21.85*	
23 21 13 23-2338	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses	93.63	57.99
		For Work In Restricted Working Space, Add	*26.08*	
23 21 13 23-2339	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Crosses	117.50	71.90
		For Work In Restricted Working Space, Add	*32.34*	
23 21 13 23-2340	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses	174.10	94.65
		For Work In Restricted Working Space, Add	*42.55*	
23 21 13 23-2341	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Crosses	210.66	112.31
		For Work In Restricted Working Space, Add	*50.53*	
23 21 13 23-2342	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Crosses	301.14	149.82
		For Work In Restricted Working Space, Add	*67.37*	
23 21 13 23-2343	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Crosses	547.77	193.16
		For Work In Restricted Working Space, Add	*86.89*	
23 21 13 23-2344	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Crosses	957.95	239.51
		For Work In Restricted Working Space, Add	*107.73*	
23 21 13 23-2345	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Crosses	2,880.52	358.29
		For Work In Restricted Working Space, Add	*161.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2346		**Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts** *(23 21 13 23-2280)*		
23 21 13 23-2347	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	18.81	11.86
		For Work In Restricted Working Space, Add	*5.41*	
23 21 13 23-2348	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	24.74	15.20
		For Work In Restricted Working Space, Add	*6.92*	
23 21 13 23-2349	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	33.03	20.37
		For Work In Restricted Working Space, Add	*9.26*	
23 21 13 23-2350	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	40.73	25.33
		For Work In Restricted Working Space, Add	*11.54*	
23 21 13 23-2351	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	50.13	30.50
		For Work In Restricted Working Space, Add	*13.89*	
23 21 13 23-2352	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	70.32	42.37
		For Work In Restricted Working Space, Add	*19.27*	
23 21 13 23-2353	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	97.91	58.53
		For Work In Restricted Working Space, Add	*26.63*	
23 21 13 23-2354	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	130.98	72.76
		For Work In Restricted Working Space, Add	*33.09*	
23 21 13 23-2355	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	179.69	84.72
		For Work In Restricted Working Space, Add	*38.50*	
23 21 13 23-2356	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	443.65	97.88
		For Work In Restricted Working Space, Add	*44.48*	
23 21 13 23-2357	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	526.79	131.29
		For Work In Restricted Working Space, Add	*59.67*	
23 21 13 23-2358		**Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts** *(23 21 13 23-2280)*		
23 21 13 23-2359	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	19.22	11.64
		For Work In Restricted Working Space, Add	*5.22*	
23 21 13 23-2360	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	25.01	15.41
		For Work In Restricted Working Space, Add	*6.95*	
23 21 13 23-2361	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	31.02	19.19
		For Work In Restricted Working Space, Add	*8.63*	
23 21 13 23-2362	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	44.16	27.17
		For Work In Restricted Working Space, Add	*12.20*	
23 21 13 23-2363	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	49.88	30.61
		For Work In Restricted Working Space, Add	*13.76*	
23 21 13 23-2364	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	63.75	38.91
		For Work In Restricted Working Space, Add	*17.48*	
23 21 13 23-2365	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	94.17	57.56
		For Work In Restricted Working Space, Add	*25.87*	
23 21 13 23-2366	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	122.62	75.67
		For Work In Restricted Working Space, Add	*34.04*	
23 21 13 23-2367	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	155.41	89.90
		For Work In Restricted Working Space, Add	*40.42*	
23 21 13 23-2368		**Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters** *(23 21 13 23-2280)*		
23 21 13 23-2369	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	19.83	11.64
		For Work In Restricted Working Space, Add	*5.22*	
23 21 13 23-2370	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	25.62	15.41
		For Work In Restricted Working Space, Add	*6.95*	
23 21 13 23-2371	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	32.24	19.19
		For Work In Restricted Working Space, Add	*8.63*	
23 21 13 23-2372	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	44.86	27.17
		For Work In Restricted Working Space, Add	*12.20*	
23 21 13 23-2373	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	51.45	30.61
		For Work In Restricted Working Space, Add	*13.76*	
23 21 13 23-2374	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	65.15	38.91
		For Work In Restricted Working Space, Add	*17.48*	
23 21 13 23-2375	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	95.74	57.56
		For Work In Restricted Working Space, Add	*25.87*	
23 21 13 23-2376	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	127.42	75.67
		For Work In Restricted Working Space, Add	*34.04*	
23 21 13 23-2377	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	152.62	89.90
		For Work In Restricted Working Space, Add	*40.42*	
23 21 13 23-2378		**Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters** *(23 21 13 23-2280)*		
23 21 13 23-2379	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	18.26	11.64
		For Work In Restricted Working Space, Add	*5.22*	
23 21 13 23-2380	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	24.31	15.41
		For Work In Restricted Working Space, Add	*6.95*	
23 21 13 23-2381	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	30.06	19.19
		For Work In Restricted Working Space, Add	*8.63*	
23 21 13 23-2382	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	42.76	27.17
		For Work In Restricted Working Space, Add	*12.20*	
23 21 13 23-2383	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	48.31	30.61
		For Work In Restricted Working Space, Add	*13.76*	
23 21 13 23-2384	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	61.57	38.91
		For Work In Restricted Working Space, Add	*17.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2385	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	100.62	57.56
		For Work In Restricted Working Space, Add	*25.87*	
23 21 13 23-2386	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	132.82	75.67
		For Work In Restricted Working Space, Add	*34.04*	
23 21 13 23-2387	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	166.74	89.90
		For Work In Restricted Working Space, Add	*40.42*	
23 21 13 23-2388		**Schedule 40 Polyvinyl Chloride (PVC) P-Traps** *(23 21 13 23-2280)*		
23 21 13 23-2389	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) P-Traps	30.08	15.84
		For Work In Restricted Working Space, Add	*7.11*	
23 21 13 23-2390		**Schedule 40 Polyvinyl Chloride (PVC) Couplings** *(23 21 13 23-2280)*		
23 21 13 23-2391	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings	17.91	11.64
		For Work In Restricted Working Space, Add	*5.22*	
23 21 13 23-2392	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Couplings	23.88	15.41
		For Work In Restricted Working Space, Add	*6.95*	
23 21 13 23-2393	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Couplings	30.06	19.19
		For Work In Restricted Working Space, Add	*8.63*	
23 21 13 23-2394	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Couplings	42.41	27.17
		For Work In Restricted Working Space, Add	*12.20*	
23 21 13 23-2395	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings	47.79	30.61
		For Work In Restricted Working Space, Add	*13.76*	
23 21 13 23-2396	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Couplings	61.22	38.91
		For Work In Restricted Working Space, Add	*17.48*	
23 21 13 23-2397	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings	92.86	57.56
		For Work In Restricted Working Space, Add	*25.87*	
23 21 13 23-2398	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Couplings	123.84	75.67
		For Work In Restricted Working Space, Add	*34.04*	
23 21 13 23-2399	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Couplings	149.83	89.90
		For Work In Restricted Working Space, Add	*40.42*	
23 21 13 23-2400	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Couplings	201.78	102.72
		For Work In Restricted Working Space, Add	*46.20*	
23 21 13 23-2401	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Couplings	268.96	119.87
		For Work In Restricted Working Space, Add	*53.90*	
23 21 13 23-2402	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Couplings	602.47	128.49
		For Work In Restricted Working Space, Add	*57.77*	
23 21 13 23-2403		**Schedule 40 Polyvinyl Chloride (PVC) Unions** *(23 21 13 23-2280)*		
23 21 13 23-2404	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions	35.81	19.19
		For Work In Restricted Working Space, Add	*8.63*	
23 21 13 23-2405	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Unions	49.51	23.18
		For Work In Restricted Working Space, Add	*10.43*	
23 21 13 23-2406	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Unions	62.35	30.61
		For Work In Restricted Working Space, Add	*13.76*	
23 21 13 23-2407	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Unions	98.38	38.91
		For Work In Restricted Working Space, Add	*17.48*	
23 21 13 23-2408	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions	111.40	46.35
		For Work In Restricted Working Space, Add	*20.86*	
23 21 13 23-2409	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Unions	142.66	57.56
		For Work In Restricted Working Space, Add	*25.87*	
23 21 13 23-2410	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions	215.85	75.67
		For Work In Restricted Working Space, Add	*34.04*	
23 21 13 23-2411	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Unions	243.24	89.90
		For Work In Restricted Working Space, Add	*40.42*	
23 21 13 23-2412	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Unions	394.81	119.87
		For Work In Restricted Working Space, Add	*53.90*	
23 21 13 23-2413	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Unions	520.13	154.57
		For Work In Restricted Working Space, Add	*69.51*	
23 21 13 23-2414	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Unions	763.14	191.65
		For Work In Restricted Working Space, Add	*86.19*	
23 21 13 23-2415	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Unions	1,141.06	237.89
		For Work In Restricted Working Space, Add	*107.02*	
23 21 13 23-2416		**Schedule 40 Polyvinyl Chloride (PVC) Caps** *(23 21 13 23-2280)*		
23 21 13 23-2417	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps	8.66	5.26
		For Work In Restricted Working Space, Add	*2.39*	
23 21 13 23-2418	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Caps	11.31	6.90
		For Work In Restricted Working Space, Add	*3.13*	
23 21 13 23-2419	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Caps	14.33	8.51
		For Work In Restricted Working Space, Add	*3.88*	
23 21 13 23-2420	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Caps	20.52	12.28
		For Work In Restricted Working Space, Add	*5.58*	
23 21 13 23-2421	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps	22.73	13.58
		For Work In Restricted Working Space, Add	*6.19*	
23 21 13 23-2422	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Caps	28.74	17.36
		For Work In Restricted Working Space, Add	*7.86*	
23 21 13 23-2423	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps	47.09	25.66
		For Work In Restricted Working Space, Add	*11.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2424	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Caps	60.04	33.73
		For Work In Restricted Working Space, Add	*15.32*	
23 21 13 23-2425	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Caps	81.21	39.99
		For Work In Restricted Working Space, Add	*18.19*	
23 21 13 23-2426	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Caps	118.58	45.70
		For Work In Restricted Working Space, Add	*20.79*	
23 21 13 23-2427	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Caps	245.69	53.36
		For Work In Restricted Working Space, Add	*24.26*	
23 21 13 23-2428	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Caps	730.46	79.55
		For Work In Restricted Working Space, Add	*36.16*	

23 21 13 23-2429 Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges *(23 21 13 23-2280)*

23 21 13 23-2430	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Socket Weld Flanges	46.28	19.19
		For Work In Restricted Working Space, Add	*8.63*	
23 21 13 23-2431	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	61.63	23.18
		For Work In Restricted Working Space, Add	*10.43*	
23 21 13 23-2432	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	75.78	30.61
		For Work In Restricted Working Space, Add	*13.76*	
23 21 13 23-2433	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	89.05	38.91
		For Work In Restricted Working Space, Add	*17.48*	
23 21 13 23-2434	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	101.02	46.35
		For Work In Restricted Working Space, Add	*20.86*	
23 21 13 23-2435	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	128.09	57.56
		For Work In Restricted Working Space, Add	*25.87*	
23 21 13 23-2436	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	178.09	75.67
		For Work In Restricted Working Space, Add	*34.04*	
23 21 13 23-2437	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	206.08	89.90
		For Work In Restricted Working Space, Add	*40.42*	
23 21 13 23-2438	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	270.00	119.87
		For Work In Restricted Working Space, Add	*53.90*	
23 21 13 23-2439	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	373.78	154.57
		For Work In Restricted Working Space, Add	*69.51*	
23 21 13 23-2440	EA	8" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	607.81	191.65
		For Work In Restricted Working Space, Add	*86.19*	
23 21 13 23-2441	EA	10" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	1,078.57	237.57
		For Work In Restricted Working Space, Add	*106.85*	

23 21 13 23-2442 Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings *(23 21 13 23-2279)*

Note: ASTM D1785 with D2467 fittings.

23 21 13 23-2443 Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe *(23 21 13 23-2442)*

23 21 13 23-2444	LF	1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	5.26	3.12
		For Work In Restricted Working Space, Add	*1.39*	
23 21 13 23-2445	LF	3/4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	6.60	3.88
		For Work In Restricted Working Space, Add	*1.73*	
23 21 13 23-2446	LF	1" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	8.14	4.63
		For Work In Restricted Working Space, Add	*2.08*	
23 21 13 23-2447	LF	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	9.74	5.39
		For Work In Restricted Working Space, Add	*2.43*	
23 21 13 23-2448	LF	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	11.21	6.14
		For Work In Restricted Working Space, Add	*2.78*	
23 21 13 23-2449	LF	2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	14.43	7.76
		For Work In Restricted Working Space, Add	*3.48*	
23 21 13 23-2450	LF	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	16.97	8.51
		For Work In Restricted Working Space, Add	*3.83*	
23 21 13 23-2451	LF	3" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	19.52	9.27
		For Work In Restricted Working Space, Add	*4.17*	
23 21 13 23-2452	LF	4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	25.62	11.64
		For Work In Restricted Working Space, Add	*5.22*	
23 21 13 23-2453	LF	6" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	38.83	15.41
		For Work In Restricted Working Space, Add	*6.95*	
23 21 13 23-2454	LF	8" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	51.48	18.43
		For Work In Restricted Working Space, Add	*8.29*	
23 21 13 23-2455	LF	10" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	103.21	19.83
		For Work In Restricted Working Space, Add	*8.93*	

23 21 13 23-2456 Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows *(23 21 13 23-2442)*

23 21 13 23-2457	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	20.53	11.64
		For Work In Restricted Working Space, Add	*5.22*	
		For Threaded Fittings, Add	*2.61*	
23 21 13 23-2458	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	27.28	15.41
		For Work In Restricted Working Space, Add	*6.95*	
		For Threaded Fittings, Add	*3.48*	
23 21 13 23-2459	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	35.38	19.19
		For Work In Restricted Working Space, Add	*8.63*	
		For Threaded Fittings, Add	*4.31*	
23 21 13 23-2460	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	49.48	27.17
		For Work In Restricted Working Space, Add	*12.20*	
		For Threaded Fittings, Add	*6.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2461	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	55.29	30.61
		For Work In Restricted Working Space, Add	*13.76*	
		For Threaded Fittings, Add	*6.88*	
23 21 13 23-2462	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	69.69	38.91
		For Work In Restricted Working Space, Add	*17.48*	
		For Threaded Fittings, Add	*8.74*	
23 21 13 23-2463	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	113.01	57.56
		For Work In Restricted Working Space, Add	*25.87*	
		For Threaded Fittings, Add	*12.93*	
23 21 13 23-2464	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	143.55	75.67
		For Work In Restricted Working Space, Add	*34.04*	
		For Threaded Fittings, Add	*17.02*	
23 21 13 23-2465	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	180.44	89.90
		For Work In Restricted Working Space, Add	*40.42*	
		For Threaded Fittings, Add	*20.21*	
23 21 13 23-2466	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	319.09	102.72
		For Work In Restricted Working Space, Add	*46.20*	
		For Threaded Fittings, Add	*23.10*	
23 21 13 23-2467	EA	8" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	538.55	119.87
		For Work In Restricted Working Space, Add	*53.90*	
		For Threaded Fittings, Add	*26.95*	
23 21 13 23-2468	EA	10" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	672.39	178.71
		For Work In Restricted Working Space, Add	*80.36*	
		For Threaded Fittings, Add	*40.18*	
23 21 13 23-2469		**Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows** *(23 21 13 23-2442)*		
23 21 13 23-2470	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	23.41	11.64
		For Work In Restricted Working Space, Add	*5.22*	
		For Threaded Fittings, Add	*2.61*	
23 21 13 23-2471	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	32.34	15.41
		For Work In Restricted Working Space, Add	*6.95*	
		For Threaded Fittings, Add	*3.48*	
23 21 13 23-2472	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	42.53	19.19
		For Work In Restricted Working Space, Add	*8.63*	
		For Threaded Fittings, Add	*4.31*	
23 21 13 23-2473	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	58.29	27.17
		For Work In Restricted Working Space, Add	*12.20*	
		For Threaded Fittings, Add	*6.10*	
23 21 13 23-2474	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	66.63	30.61
		For Work In Restricted Working Space, Add	*13.76*	
		For Threaded Fittings, Add	*6.88*	
23 21 13 23-2475	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	85.21	38.91
		For Work In Restricted Working Space, Add	*17.48*	
		For Threaded Fittings, Add	*8.74*	
23 21 13 23-2476	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	142.93	57.56
		For Work In Restricted Working Space, Add	*25.87*	
		For Threaded Fittings, Add	*12.93*	
23 21 13 23-2477	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	182.45	75.67
		For Work In Restricted Working Space, Add	*34.04*	
		For Threaded Fittings, Add	*17.02*	
23 21 13 23-2478	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	259.03	89.90
		For Work In Restricted Working Space, Add	*40.42*	
		For Threaded Fittings, Add	*20.21*	
23 21 13 23-2479	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	310.47	102.72
		For Work In Restricted Working Space, Add	*46.20*	
		For Threaded Fittings, Add	*23.10*	
23 21 13 23-2480	EA	8" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	518.95	119.87
		For Work In Restricted Working Space, Add	*53.90*	
		For Threaded Fittings, Add	*26.95*	
23 21 13 23-2481	EA	10" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	650.35	178.71
		For Work In Restricted Working Space, Add	*80.36*	
		For Threaded Fittings, Add	*40.18*	
23 21 13 23-2482		**Schedule 80 Polyvinyl Chloride (PVC) Tees** *(23 21 13 23-2442)*		
23 21 13 23-2483	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees	36.27	18.21
		For Work In Restricted Working Space, Add	*8.19*	
		For Threaded Fittings, Add	*4.09*	
23 21 13 23-2484	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Tees	44.19	23.18
		For Work In Restricted Working Space, Add	*10.43*	
		For Threaded Fittings, Add	*5.22*	
23 21 13 23-2485	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Tees	57.65	30.61
		For Work In Restricted Working Space, Add	*13.76*	
		For Threaded Fittings, Add	*6.88*	
23 21 13 23-2486	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Tees	90.80	38.91
		For Work In Restricted Working Space, Add	*17.48*	
		For Threaded Fittings, Add	*8.74*	
23 21 13 23-2487	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees	102.08	46.35
		For Work In Restricted Working Space, Add	*20.86*	
		For Threaded Fittings, Add	*10.43*	
23 21 13 23-2488	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Tees	126.96	57.56
		For Work In Restricted Working Space, Add	*25.87*	
		For Threaded Fittings, Add	*12.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2489	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees	157.77	75.67
		For Work In Restricted Working Space, Add	*34.04*	
		For Threaded Fittings, Add	*17.02*	
23 21 13 23-2490	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Tees	190.04	89.90
		For Work In Restricted Working Space, Add	*40.42*	
		For Threaded Fittings, Add	*20.21*	
23 21 13 23-2491	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Tees	243.76	119.87
		For Work In Restricted Working Space, Add	*53.90*	
		For Threaded Fittings, Add	*26.95*	
23 21 13 23-2492	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Tees	450.83	154.57
		For Work In Restricted Working Space, Add	*69.54*	
		For Threaded Fittings, Add	*34.77*	
23 21 13 23-2493	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Tees	795.43	191.76
		For Work In Restricted Working Space, Add	*86.23*	
		For Threaded Fittings, Add	*43.12*	
23 21 13 23-2494	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Tees	1,924.50	286.50
		For Work In Restricted Working Space, Add	*128.87*	
		For Threaded Fittings, Add	*64.44*	

23 21 13 23-2495 Schedule 80 Polyvinyl Chloride (PVC) Crosses *(23 21 13 23-2442)*

23 21 13 23-2496	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses	48.19	22.74
		For Work In Restricted Working Space, Add	*10.23*	
		For Threaded Fittings, Add	*5.12*	
23 21 13 23-2497	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Crosses	58.22	29.00
		For Work In Restricted Working Space, Add	*13.04*	
		For Threaded Fittings, Add	*6.52*	
23 21 13 23-2498	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Crosses	75.79	38.27
		For Work In Restricted Working Space, Add	*17.20*	
		For Threaded Fittings, Add	*8.60*	
23 21 13 23-2499	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Crosses	123.83	48.61
		For Work In Restricted Working Space, Add	*21.85*	
		For Threaded Fittings, Add	*10.92*	
23 21 13 23-2500	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses	137.93	57.99
		For Work In Restricted Working Space, Add	*26.08*	
		For Threaded Fittings, Add	*13.04*	
23 21 13 23-2501	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Crosses	171.64	71.90
		For Work In Restricted Working Space, Add	*32.34*	
		For Threaded Fittings, Add	*16.17*	
23 21 13 23-2502	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses	211.30	94.65
		For Work In Restricted Working Space, Add	*42.55*	
		For Threaded Fittings, Add	*21.27*	
23 21 13 23-2503	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Crosses	255.11	112.31
		For Work In Restricted Working Space, Add	*50.53*	
		For Threaded Fittings, Add	*25.26*	
23 21 13 23-2504	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Crosses	325.07	149.82
		For Work In Restricted Working Space, Add	*67.37*	
		For Threaded Fittings, Add	*33.69*	
23 21 13 23-2505	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Crosses	632.98	193.16
		For Work In Restricted Working Space, Add	*86.89*	
		For Threaded Fittings, Add	*43.45*	
23 21 13 23-2506	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Crosses	1,155.44	239.51
		For Work In Restricted Working Space, Add	*107.73*	
		For Threaded Fittings, Add	*53.87*	
23 21 13 23-2507	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Crosses	2,880.68	358.29
		For Work In Restricted Working Space, Add	*161.17*	
		For Threaded Fittings, Add	*80.58*	

23 21 13 23-2508 Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts *(23 21 13 23-2442)*

23 21 13 23-2509	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	25.01	15.41
		For Work In Restricted Working Space, Add	*6.95*	
23 21 13 23-2510	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	34.07	19.19
		For Work In Restricted Working Space, Add	*8.63*	
23 21 13 23-2511	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	49.04	27.17
		For Work In Restricted Working Space, Add	*12.20*	
23 21 13 23-2512	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	57.29	30.61
		For Work In Restricted Working Space, Add	*13.76*	
23 21 13 23-2513	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	74.57	38.91
		For Work In Restricted Working Space, Add	*17.48*	
23 21 13 23-2514	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	114.49	57.56
		For Work In Restricted Working Space, Add	*25.87*	
23 21 13 23-2515	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	158.38	75.67
		For Work In Restricted Working Space, Add	*34.04*	
23 21 13 23-2516	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	197.01	89.90
		For Work In Restricted Working Space, Add	*40.42*	
23 21 13 23-2517	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	223.06	102.72
		For Work In Restricted Working Space, Add	*46.20*	
23 21 13 23-2518	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	332.97	119.87
		For Work In Restricted Working Space, Add	*53.90*	
23 21 13 23-2519	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	536.63	139.16
		For Work In Restricted Working Space, Add	*62.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 21 13 23-2520 Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts *(23 21 13 23-2442)*

23 21 13 23-2521	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	18.00	11.64
		For Work In Restricted Working Space, Add	*5.22*	
23 21 13 23-2522	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	26.58	15.41
		For Work In Restricted Working Space, Add	*6.95*	
23 21 13 23-2523	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	34.07	19.19
		For Work In Restricted Working Space, Add	*8.63*	
23 21 13 23-2524	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	51.48	27.17
		For Work In Restricted Working Space, Add	*12.20*	
23 21 13 23-2525	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	59.48	30.61
		For Work In Restricted Working Space, Add	*13.76*	
23 21 13 23-2526	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	74.92	38.91
		For Work In Restricted Working Space, Add	*17.48*	
23 21 13 23-2527	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	121.46	57.56
		For Work In Restricted Working Space, Add	*25.87*	
23 21 13 23-2528	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	178.70	75.67
		For Work In Restricted Working Space, Add	*34.04*	
23 21 13 23-2529	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	235.04	89.90
		For Work In Restricted Working Space, Add	*40.42*	

23 21 13 23-2530 Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters *(23 21 13 23-2442)*

23 21 13 23-2531	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	24.80	11.64
		For Work In Restricted Working Space, Add	*5.22*	
23 21 13 23-2532	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	31.38	15.41
		For Work In Restricted Working Space, Add	*6.95*	
23 21 13 23-2533	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	43.05	19.19
		For Work In Restricted Working Space, Add	*8.63*	
23 21 13 23-2534	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	57.42	27.17
		For Work In Restricted Working Space, Add	*12.20*	
23 21 13 23-2535	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	69.94	30.61
		For Work In Restricted Working Space, Add	*13.76*	
23 21 13 23-2536	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	89.66	38.91
		For Work In Restricted Working Space, Add	*17.48*	
23 21 13 23-2537	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	121.99	57.56
		For Work In Restricted Working Space, Add	*25.87*	
23 21 13 23-2538	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	153.14	75.67
		For Work In Restricted Working Space, Add	*34.04*	
23 21 13 23-2539	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	205.30	89.90
		For Work In Restricted Working Space, Add	*40.42*	

23 21 13 23-2540 Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters *(23 21 13 23-2442)*

23 21 13 23-2541	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	22.80	11.64
		For Work In Restricted Working Space, Add	*5.22*	
23 21 13 23-2542	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	31.20	15.41
		For Work In Restricted Working Space, Add	*6.95*	
23 21 13 23-2543	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	40.61	19.19
		For Work In Restricted Working Space, Add	*8.63*	
23 21 13 23-2544	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	59.94	27.17
		For Work In Restricted Working Space, Add	*12.20*	
23 21 13 23-2545	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	69.51	30.61
		For Work In Restricted Working Space, Add	*13.76*	
23 21 13 23-2546	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	99.43	38.91
		For Work In Restricted Working Space, Add	*17.48*	
23 21 13 23-2547	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	151.29	57.56
		For Work In Restricted Working Space, Add	*25.87*	
23 21 13 23-2548	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	186.72	75.67
		For Work In Restricted Working Space, Add	*34.04*	
23 21 13 23-2549	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	260.68	89.90
		For Work In Restricted Working Space, Add	*40.42*	

23 21 13 23-2550 Schedule 80 Polyvinyl Chloride (PVC) Couplings *(23 21 13 23-2442)*

23 21 13 23-2551	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings	23.15	11.64
		For Work In Restricted Working Space, Add	*5.22*	
		For Threaded Fittings, Add	*2.61*	
23 21 13 23-2552	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Couplings	30.94	15.41
		For Work In Restricted Working Space, Add	*6.95*	
		For Threaded Fittings, Add	*3.48*	
23 21 13 23-2553	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Couplings	36.77	19.19
		For Work In Restricted Working Space, Add	*8.63*	
		For Threaded Fittings, Add	*4.31*	
23 21 13 23-2554	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Couplings	52.97	27.17
		For Work In Restricted Working Space, Add	*12.20*	
		For Threaded Fittings, Add	*6.10*	
23 21 13 23-2555	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings	59.13	30.61
		For Work In Restricted Working Space, Add	*13.76*	
		For Threaded Fittings, Add	*6.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2556	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Couplings	72.39	38.91
		For Work In Restricted Working Space, Add	*17.48*	
		For Threaded Fittings, Add	*8.74*	
23 21 13 23-2557	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings	121.20	57.56
		For Work In Restricted Working Space, Add	*25.87*	
		For Threaded Fittings, Add	*12.93*	
23 21 13 23-2558	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Couplings	153.67	75.67
		For Work In Restricted Working Space, Add	*34.04*	
		For Threaded Fittings, Add	*17.02*	
23 21 13 23-2559	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Couplings	185.15	89.90
		For Work In Restricted Working Space, Add	*40.42*	
		For Threaded Fittings, Add	*20.21*	
23 21 13 23-2560	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Couplings	262.40	102.72
		For Work In Restricted Working Space, Add	*46.20*	
		For Threaded Fittings, Add	*23.10*	
23 21 13 23-2561	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Couplings	327.22	119.87
		For Work In Restricted Working Space, Add	*53.90*	
		For Threaded Fittings, Add	*26.95*	
23 21 13 23-2562	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Couplings	628.64	128.49
		For Work In Restricted Working Space, Add	*57.77*	
		For Threaded Fittings, Add	*28.88*	

23 21 13 23-2563 Schedule 80 Polyvinyl Chloride (PVC) Unions *(23 21 13 23-2442)*

23 21 13 23-2564	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions	41.66	19.19
		For Work In Restricted Working Space, Add	*8.63*	
23 21 13 23-2565	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Unions	49.68	23.18
		For Work In Restricted Working Space, Add	*10.43*	
23 21 13 23-2566	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Unions	62.88	30.61
		For Work In Restricted Working Space, Add	*13.76*	
23 21 13 23-2567	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Unions	100.82	38.91
		For Work In Restricted Working Space, Add	*17.48*	
23 21 13 23-2568	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions	124.31	46.35
		For Work In Restricted Working Space, Add	*20.86*	
23 21 13 23-2569	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Unions	160.45	57.56
		For Work In Restricted Working Space, Add	*25.87*	
23 21 13 23-2570	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions	251.66	75.67
		For Work In Restricted Working Space, Add	*34.04*	
23 21 13 23-2571	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Unions	312.87	89.90
		For Work In Restricted Working Space, Add	*40.42*	
23 21 13 23-2572	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Unions	395.33	119.87
		For Work In Restricted Working Space, Add	*53.90*	
23 21 13 23-2573	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Unions	520.13	154.57
		For Work In Restricted Working Space, Add	*69.51*	
23 21 13 23-2574	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Unions	763.14	191.65
		For Work In Restricted Working Space, Add	*86.19*	
23 21 13 23-2575	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Unions	1,140.50	237.57
		For Work In Restricted Working Space, Add	*106.85*	

23 21 13 23-2576 Schedule 80 Polyvinyl Chloride (PVC) Threaded Unions *(23 21 13 23-2442)*

23 21 13 23-2577	EA	1/2", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	43.62	23.95
23 21 13 23-2578	EA	3/4", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	52.27	27.70
23 21 13 23-2579	EA	1", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	63.46	32.66
23 21 13 23-2580	EA	1-1/4", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	85.77	38.91
23 21 13 23-2581	EA	1-1/2", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	103.44	46.35
23 21 13 23-2582	EA	2", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	138.00	57.56
23 21 13 23-2583	EA	3", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	298.37	111.57
23 21 13 23-2584	EA	4", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	323.05	123.75

23 21 13 23-2585 Schedule 80 Polyvinyl Chloride (PVC) Caps *(23 21 13 23-2442)*

23 21 13 23-2586	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps	15.94	5.18
		For Work In Restricted Working Space, Add	*2.35*	
		For Threaded Fittings, Add	*1.17*	
23 21 13 23-2587	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Caps	18.99	6.90
		For Work In Restricted Working Space, Add	*3.13*	
		For Threaded Fittings, Add	*1.57*	
23 21 13 23-2588	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Caps	28.10	8.51
		For Work In Restricted Working Space, Add	*3.88*	
		For Threaded Fittings, Add	*1.94*	
23 21 13 23-2589	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Caps	36.62	12.08
		For Work In Restricted Working Space, Add	*5.49*	
		For Threaded Fittings, Add	*2.75*	
23 21 13 23-2590	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps	38.96	13.58
		For Work In Restricted Working Space, Add	*6.19*	
		For Threaded Fittings, Add	*3.10*	
23 21 13 23-2591	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Caps	53.68	17.36
		For Work In Restricted Working Space, Add	*7.86*	
		For Threaded Fittings, Add	*3.93*	
23 21 13 23-2592	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps	95.23	25.66
		For Work In Restricted Working Space, Add	*11.64*	
		For Threaded Fittings, Add	*5.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2593	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Caps	120.05	33.73
		For Work In Restricted Working Space, Add	*15.32*	
		For Threaded Fittings, Add	*7.66*	
23 21 13 23-2594	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Caps	171.57	39.99
		For Work In Restricted Working Space, Add	*18.19*	
		For Threaded Fittings, Add	*9.09*	
23 21 13 23-2595	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Caps	344.91	45.70
		For Work In Restricted Working Space, Add	*20.79*	
		For Threaded Fittings, Add	*10.40*	
23 21 13 23-2596	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Caps	459.46	53.36
		For Work In Restricted Working Space, Add	*24.26*	
		For Threaded Fittings, Add	*12.13*	
23 21 13 23-2597	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Caps	817.67	79.55
		For Work In Restricted Working Space, Add	*36.16*	
		For Threaded Fittings, Add	*18.08*	

23 21 13 23-2598 Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges *(23 21 13 23-2442)*

23 21 13 23-2599	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	53.78	19.19
		For Work In Restricted Working Space, Add	*8.63*	
		For Threaded Fittings, Add	*4.31*	
23 21 13 23-2600	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	61.63	23.18
		For Work In Restricted Working Space, Add	*10.43*	
		For Threaded Fittings, Add	*5.22*	
23 21 13 23-2601	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	75.79	30.61
		For Work In Restricted Working Space, Add	*13.76*	
		For Threaded Fittings, Add	*6.88*	
23 21 13 23-2602	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	89.05	38.91
		For Work In Restricted Working Space, Add	*17.48*	
		For Threaded Fittings, Add	*8.74*	
23 21 13 23-2603	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	101.03	46.35
		For Work In Restricted Working Space, Add	*20.86*	
		For Threaded Fittings, Add	*10.43*	
23 21 13 23-2604	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	128.09	57.56
		For Work In Restricted Working Space, Add	*25.87*	
		For Threaded Fittings, Add	*12.93*	
23 21 13 23-2605	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	178.09	75.67
		For Work In Restricted Working Space, Add	*34.04*	
		For Threaded Fittings, Add	*17.02*	
23 21 13 23-2606	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	206.08	89.90
		For Work In Restricted Working Space, Add	*40.42*	
		For Threaded Fittings, Add	*20.21*	
23 21 13 23-2607	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	270.01	119.87
		For Work In Restricted Working Space, Add	*53.90*	
		For Threaded Fittings, Add	*26.95*	
23 21 13 23-2608	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	373.79	154.57
		For Work In Restricted Working Space, Add	*69.51*	
		For Threaded Fittings, Add	*34.76*	
23 21 13 23-2609	EA	8" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	607.81	191.65
		For Work In Restricted Working Space, Add	*86.19*	
		For Threaded Fittings, Add	*43.09*	
23 21 13 23-2610	EA	10" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	1,078.57	237.57
		For Work In Restricted Working Space, Add	*106.85*	
		For Threaded Fittings, Add	*53.43*	

23 21 13 23-2611 Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe *(23 21 13 23-2279)*

Note: In place pipe.

23 21 13 23-2612	EA	1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	5.85	
		For Work In Restricted Working Space, Add	*1.76*	
23 21 13 23-2613	EA	3/4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	6.32	
		For Work In Restricted Working Space, Add	*1.90*	
23 21 13 23-2614	EA	1", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	7.11	
		For Work In Restricted Working Space, Add	*2.13*	
23 21 13 23-2615	EA	1-1/4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	7.46	
		For Work In Restricted Working Space, Add	*2.24*	
23 21 13 23-2616	EA	1-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	7.90	
		For Work In Restricted Working Space, Add	*2.37*	
23 21 13 23-2617	EA	2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	8.69	
		For Work In Restricted Working Space, Add	*2.61*	
23 21 13 23-2618	EA	2-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	9.36	
		For Work In Restricted Working Space, Add	*2.81*	
23 21 13 23-2619	EA	3", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	11.06	
		For Work In Restricted Working Space, Add	*3.32*	
23 21 13 23-2620	EA	4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	14.92	
		For Work In Restricted Working Space, Add	*4.48*	
23 21 13 23-2621	EA	6", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	21.32	
		For Work In Restricted Working Space, Add	*6.40*	
23 21 13 23-2622	EA	8", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	28.44	
		For Work In Restricted Working Space, Add	*8.53*	
23 21 13 23-2623	EA	10", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	34.78	
		For Work In Restricted Working Space, Add	*10.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2624		**Polyvinylidene Fluoride (PVDF), Socket Weld** *(23 21 13 23)*		
23 21 13 23-2625		**Pipe** *(23 21 13 23-2624)*		
23 21 13 23-2626	LF	1/2" Pipe Schedule 40 Polyvinylidene Fluoride (PVDF) Socket Weld	41.48	3.12
23 21 13 23-2627	LF	3/4" Pipe Schedule 40 Polyvinylidene Fluoride (PVDF) Socket Weld	55.57	3.88
23 21 13 23-2628	LF	1" Pipe Schedule 40 Polyvinylidene Fluoride (PVDF) Socket Weld	78.70	4.10
23 21 13 23-2629	LF	1-1/2" Schedule 40 Polyvinylidene Fluoride (PVDF) Socket Weld	110.35	4.52
23 21 13 23-2630	LF	2" Pipe Schedule 40 Polyvinylidene Fluoride (PVDF) Socket Weld	139.89	5.39
23 21 13 23-2631		**90 Degree Elbows** *(23 21 13 23-2624)*		
23 21 13 23-2632	EA	1/2" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	47.62	11.53
23 21 13 23-2633	EA	3/4" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	63.59	15.41
23 21 13 23-2634	EA	1" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	105.75	19.19
23 21 13 23-2635	EA	1-1/2" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	183.76	30.61
23 21 13 23-2636	EA	2" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	239.67	38.91
23 21 13 23-2637		**45 Degree Elbows** *(23 21 13 23-2624)*		
23 21 13 23-2638	EA	1/2" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	55.25	11.64
23 21 13 23-2639	EA	3/4" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	74.32	15.41
23 21 13 23-2640	EA	1" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	105.75	19.19
23 21 13 23-2641	EA	1-1/2" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	158.05	30.61
23 21 13 23-2642	EA	2" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	232.88	38.91
23 21 13 23-2643		**Tees** *(23 21 13 23-2624)*		
23 21 13 23-2644	EA	1/2" Tee, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	88.65	19.19
23 21 13 23-2645	EA	3/4" Tee, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	98.35	23.18
23 21 13 23-2646	EA	1" Tee, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	142.79	30.61
23 21 13 23-2647	EA	1-1/2" Tee, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	235.40	46.35
23 21 13 23-2648	EA	2" Tee, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	347.32	57.56
23 21 13 23-2649		**Reducing Tees** *(23 21 13 23-2624)*		
23 21 13 23-2650	EA	3/4" x 1/2" Reducing Tees, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	100.99	21.56
23 21 13 23-2651	EA	1" x 1/2" Reducing Insert, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	141.99	25.11
23 21 13 23-2652	EA	1" x 3/4" Reducing Insert, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	145.23	27.27
23 21 13 23-2653	EA	1-1/2" x 1" Reducing Tees, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	250.35	38.80
23 21 13 23-2654	EA	2" x 1-1/2" Reducing Tees, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	375.71	51.73
23 21 13 23-2655		**Socket Weld Reducing Couplings** *(23 21 13 23-2624)*		
23 21 13 23-2656	EA	3/4" x 1/2" Reducing Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	54.10	13.69
23 21 13 23-2657	EA	1" x 1/2" Reducing Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	69.49	15.84
23 21 13 23-2658	EA	1" x 3/4" Reducing Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	76.40	18.00
23 21 13 23-2659	EA	1-1/2" x 1/2" Reducing Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	117.11	21.56
23 21 13 23-2660	EA	1-1/2" x 3/4" Reducing Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	125.15	23.71
23 21 13 23-2661	EA	1-1/2" x 1" Reducing Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	127.30	25.11
23 21 13 23-2662	EA	2" x 1-1/2" Reducing Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	179.41	35.25
23 21 13 23-2663		**Male Adapters, Socket Weld X Male Thread** *(23 21 13 23-2624)*		
23 21 13 23-2664	EA	1/2" Male Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	77.29	11.64
23 21 13 23-2665	EA	3/4" Male Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	98.62	15.41
23 21 13 23-2666	EA	1" Male Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	113.52	19.19
23 21 13 23-2667	EA	1-1/2" Male Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	145.33	30.61
23 21 13 23-2668	EA	2" Male Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	197.51	38.80
23 21 13 23-2669		**Female Adapters, Socket Weld X Female Thread** *(23 21 13 23-2624)*		
23 21 13 23-2670	EA	1/2" Female Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	77.29	11.64
23 21 13 23-2671	EA	3/4" Female Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	98.91	15.41
23 21 13 23-2672	EA	1" Female Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	113.52	19.19
23 21 13 23-2673	EA	1-1/2" Female Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	145.33	30.61
23 21 13 23-2674	EA	2" Female Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	197.56	38.91
23 21 13 23-2675		**Socket Weld Couplings** *(23 21 13 23-2624)*		
23 21 13 23-2676	EA	1/2" Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	38.58	11.64
23 21 13 23-2677	EA	3/4" Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	49.46	15.41
23 21 13 23-2678	EA	1" Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	64.07	19.19
23 21 13 23-2679	EA	1-1/2" Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	119.34	30.61
23 21 13 23-2680	EA	2" Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	164.22	38.91
23 21 13 23-2681		**Socket Weld Unions** *(23 21 13 23-2624)*		
23 21 13 23-2682	EA	1/2" Union, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	160.14	19.19
23 21 13 23-2683	EA	3/4" Union, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	191.87	23.18

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2684	EA	1" Union, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	276.72	30.61
23 21 13 23-2685	EA	1-1/2" Union, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	486.32	46.35
23 21 13 23-2686	EA	2" Union, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	599.08	57.56
23 21 13 23-2687		**Caps** *(23 21 13 23-2624)*		
23 21 13 23-2688	EA	1/2" Cap, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	29.67	5.81
23 21 13 23-2689	EA	3/4" Cap, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	41.96	7.72
23 21 13 23-2690	EA	1" Cap, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	52.76	9.55
23 21 13 23-2691	EA	1-1/2" Cap, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	93.58	15.27
23 21 13 23-2692	EA	2" Cap, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	133.08	19.38
23 21 13 23-2693		**150 Lb. Socket Weld Flanges** *(23 21 13 23-2624)*		
23 21 13 23-2694	EA	1/2" Flange, 150 Lb. Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	108.15	19.40
23 21 13 23-2695	EA	3/4" Flange, 150 Lb. Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	136.49	22.96
23 21 13 23-2696	EA	1" Flange, 150 Lb. Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	179.80	30.93
23 21 13 23-2697	EA	1-1/2" Flange, 150 Lb. Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	258.86	46.78
23 21 13 23-2698	EA	2" Flange, 150 Lb. Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	411.18	57.56
23 21 13 23-2699		**Polyethylene Pipe And Fittings** *(23 21 13 23)*		
23 21 13 23-2700		**Small Diameter Tubing** *(23 21 13 23-2699)*		
23 21 13 23-2701		**Tubing** *(23 21 13 23-2700)*		
23 21 13 23-2702	LF	1/4" Polyethylene Tubing	3.48	
		For Work In Restricted Working Space, Add	*0.98*	
23 21 13 23-2703	LF	5/16" Polyethylene Tubing	3.75	
		For Work In Restricted Working Space, Add	*1.00*	
23 21 13 23-2704	LF	3/8" Polyethylene Tubing	3.94	
		For Work In Restricted Working Space, Add	*1.01*	
23 21 13 23-2705	LF	1/2" Polyethylene Tubing	4.08	
		For Work In Restricted Working Space, Add	*1.10*	
23 21 13 23-2706		**Female Copper Thread x Straight Compression Connection** *(23 21 13 23-2700)*		
		Note: Ford C04.		
23 21 13 23-2707	EA	3/4" Copper X 3/4" P.E. Straight Compression Connection	28.82	8.20
		For Work In Restricted Working Space, Add	*4.92*	
23 21 13 23-2708	EA	3/4" Copper X 1" P.E. Straight Compression Connection	33.12	9.36
		For Work In Restricted Working Space, Add	*5.62*	
23 21 13 23-2709	EA	1" Copper X 1" P.E. Straight Compression Connection	38.86	10.53
		For Work In Restricted Working Space, Add	*6.32*	
23 21 13 23-2710	EA	1-1/4" Copper X 1" P.E. Straight Compression Connection	44.94	11.12
		For Work In Restricted Working Space, Add	*6.67*	
23 21 13 23-2711	EA	1-1/4" Copper X 1-1/4" P.E. Straight Compression Connection	51.04	11.71
		For Work In Restricted Working Space, Add	*7.02*	
23 21 13 23-2712	EA	1-1/2" Copper X 1-1/2" P.E. Straight Compression Connection	69.77	12.88
		For Work In Restricted Working Space, Add	*7.73*	
23 21 13 23-2713	EA	2" Copper X 2" P.E. Straight Compression Connection	80.55	14.05
		For Work In Restricted Working Space, Add	*8.43*	
23 21 13 23-2714		**Female Copper Thread x Compression Connection** *(23 21 13 23-2700)*		
		Note: Ford L04.		
23 21 13 23-2715	EA	3/4" Copper X 3/4" P.E. Compression Connection	34.33	8.20
		For Work In Restricted Working Space, Add	*4.92*	
23 21 13 23-2716	EA	3/4" Copper X 1" P.E. Compression Connection	40.27	9.36
		For Work In Restricted Working Space, Add	*5.62*	
23 21 13 23-2717	EA	1" Copper X 1" P.E. Compression Connection	48.00	10.53
		For Work In Restricted Working Space, Add	*6.32*	
23 21 13 23-2718	EA	1-1/2" Copper X 1-1/2" P.E. Compression Connection	87.92	12.88
		For Work In Restricted Working Space, Add	*7.73*	
23 21 13 23-2719	EA	2" Copper X 2" P.E. Compression Connection	99.80	14.05
		For Work In Restricted Working Space, Add	*8.43*	
23 21 13 23-2720		**Male Iron Pipe Thread x Straight Compression Connection** *(23 21 13 23-2700)*		
		Note: Ford C84.		
23 21 13 23-2721	EA	3/4" M.I.P. X 3/4" P.E. Straight Compression Connection	30.33	9.36
		For Work In Restricted Working Space, Add	*5.62*	
23 21 13 23-2722	EA	3/4" M.I.P. X 1" P.E. Straight Compression Connection	31.37	9.36
		For Work In Restricted Working Space, Add	*5.62*	
23 21 13 23-2723	EA	1" M.I.P. X 1" P.E. Straight Compression Connection	34.79	10.53
		For Work In Restricted Working Space, Add	*6.32*	
23 21 13 23-2724	EA	1-1/4" M.I.P. X 1-1/4" P.E. Straight Compression Connection	47.46	11.71
		For Work In Restricted Working Space, Add	*7.02*	
23 21 13 23-2725	EA	1-1/2" M.I.P. X 1-1/2" P.E. Straight Compression Connection	60.18	12.88
		For Work In Restricted Working Space, Add	*7.73*	
23 21 13 23-2726	EA	2" M.I.P. X 2" P.E. Straight Compression Connection	78.25	14.05
		For Work In Restricted Working Space, Add	*8.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2727		**Male Iron Pipe Thread x Compression Connection** *(23 21 13 23-2700)* Note: Ford L84.		
23 21 13 23-2728	EA	3/4" M.I.P. X 3/4" P.E. Compression Connection	28.46	9.36
		For Work In Restricted Working Space, Add	*4.92*	
23 21 13 23-2729	EA	3/4" M.I.P. X 1" P.E. Compression Connection	35.20	9.36
		For Work In Restricted Working Space, Add	*5.62*	
23 21 13 23-2730	EA	1" M.I.P. X 1" P.E. Compression Connection	41.93	10.53
		For Work In Restricted Working Space, Add	*6.32*	
23 21 13 23-2731	EA	1-1/2" M.I.P. X 1-1/2" P.E. Compression Connection	81.92	12.88
		For Work In Restricted Working Space, Add	*7.73*	
23 21 13 23-2732	EA	2" M.I.P. X 2" P.E. Compression Connection	108.57	14.05
		For Work In Restricted Working Space, Add	*8.43*	
23 21 13 23-2733		**Straight Couplings, Compression Connection** *(23 21 13 23-2700)* Note: Ford C44.		
23 21 13 23-2734	EA	3/4" X 3/4" Compression Connection	30.56	8.20
		For Work In Restricted Working Space, Add	*4.92*	
23 21 13 23-2735	EA	1" X 1" Compression Connection	36.53	10.53
		For Work In Restricted Working Space, Add	*6.32*	
23 21 13 23-2736	EA	1-1/4" X 1-1/4" Compression Connection	63.57	11.71
		For Work In Restricted Working Space, Add	*7.02*	
23 21 13 23-2737	EA	1-1/2" X 1-1/2" Compression Connection	75.21	12.88
		For Work In Restricted Working Space, Add	*7.73*	
23 21 13 23-2738	EA	2" X 2" Compression Connection	94.88	14.05
		For Work In Restricted Working Space, Add	*8.43*	
23 21 13 23-2739		**Elbow Couplings x Compression Connection** *(23 21 13 23-2700)* Note: Ford L44.		
23 21 13 23-2740	EA	3/4" X 3/4" Compression Connection	33.79	8.20
		For Work In Restricted Working Space, Add	*4.92*	
23 21 13 23-2741	EA	1" X 1" Compression Connection	43.42	10.53
		For Work In Restricted Working Space, Add	*6.32*	
23 21 13 23-2742	EA	1-1/2" X 1-1/2" Compression Connection	94.65	12.88
		For Work In Restricted Working Space, Add	*7.73*	
23 21 13 23-2743	EA	2" X 2" Compression Connection	167.49	14.05
		For Work In Restricted Working Space, Add	*8.43*	
23 21 13 23-2744		**Stainless Steel Insert Stiffeners** *(23 21 13 23-2700)* Note: Ford insert.		
23 21 13 23-2745	EA	3/4" Stainless Steel Insert Stiffeners	8.16	2.46
		For Work In Restricted Working Space, Add	*1.46*	
23 21 13 23-2746	EA	1" Stainless Steel Insert Stiffeners	10.41	2.81
		For Work In Restricted Working Space, Add	*1.69*	
23 21 13 23-2747	EA	1-1/4" Stainless Steel Insert Stiffeners	14.71	3.04
		For Work In Restricted Working Space, Add	*1.83*	
23 21 13 23-2748	EA	1-1/2" Stainless Steel Insert Stiffeners	18.36	3.28
		For Work In Restricted Working Space, Add	*2.00*	
23 21 13 23-2749	EA	2" Stainless Steel Insert Stiffeners	28.45	3.62
		For Work In Restricted Working Space, Add	*2.20*	
23 21 13 23-2750		**Flanged Lead Corporation Stop Coupling** *(23 21 13 23-2700)* Note: Lead flange x copper tube thread (Mueller)		
23 21 13 23-2751	EA	3/4" Flanged Lead Corporation Stop Couplings, XS Lead Flange X Copper Tube Thread (H-15505)	59.80	14.05
		For Work In Restricted Working Space, Add	*8.43*	
23 21 13 23-2752	EA	1" x 3/4" Flanged Lead Corporation Stop Couplings, XS Lead Flange X Copper Tube Thread (H-15505)	80.88	14.63
		For Work In Restricted Working Space, Add	*8.78*	
23 21 13 23-2753	EA	1" Flanged Lead Corporation Stop Couplings, XS Lead Flange X Copper Tube Thread (H-15505)	83.21	15.81
		For Work In Restricted Working Space, Add	*9.48*	
23 21 13 23-2754	EA	1-1/4" Flanged Lead Corporation Stop Couplings, XS Lead Flange X Copper Tube Thread (H-15505)	126.10	17.56
		For Work In Restricted Working Space, Add	*10.54*	
23 21 13 23-2755	EA	1-1/2" Flanged Lead Corporation Stop Couplings, XS Lead Flange X Copper Tube Thread (H-15505)	169.78	18.73
		For Work In Restricted Working Space, Add	*11.24*	
23 21 13 23-2756	EA	2" Flanged Lead Corporation Stop Couplings, XS Lead Flange X Copper Tube Thread (H-15505)	290.71	20.49
		For Work In Restricted Working Space, Add	*12.29*	
23 21 13 23-2757	EA	2" Flanged Lead Corporation Stop Couplings, XXS Lead Flange X Copper Tube Thread (H-15510)	359.62	22.82
		For Work In Restricted Working Space, Add	*13.70*	
23 21 13 23-2758		**Chrome Plated Pipe** *(23 21 13 23)*		
23 21 13 23-2759		**Chrome Plated Nipples** *(23 21 13 23-2758)*		
23 21 13 23-2760		**Close** *(23 21 13 23-2759)*		
23 21 13 23-2761	EA	1/4" Diameter Chrome Plated Nipple, Close	20.61	9.36
23 21 13 23-2762	EA	3/8" Diameter Chrome Plated Nipple, Close	19.79	10.18
23 21 13 23-2763	EA	1/2" Diameter Chrome Plated Nipple, Close	24.54	11.71
23 21 13 23-2764	EA	3/4" Diameter Chrome Plated Nipple, Close	32.16	14.87
23 21 13 23-2765	EA	1" Diameter Chrome Plated Nipple, Close	43.04	19.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2766	EA	1-1/4" Diameter Chrome Plated Nipple, Close	60.94	27.27
23 21 13 23-2767	EA	1-1/2" Diameter Chrome Plated Nipple, Close	74.27	31.96
23 21 13 23-2768	EA	2" Diameter Chrome Plated Nipple, Close	95.62	39.80
23 21 13 23-2769		**1-1/2" Nipples** *(23 21 13 23-2759)*		
23 21 13 23-2770	EA	1/4" Diameter, 1-1/2" Length, Chrome Plated Nipple	22.00	9.72
23 21 13 23-2771	EA	3/8" Diameter, 1-1/2" Length, Chrome Plated Nipple	20.88	10.53
23 21 13 23-2772	EA	1/2" Diameter, 1-1/2" Length, Chrome Plated Nipple	25.15	12.06
23 21 13 23-2773	EA	3/4" Diameter, 1-1/2" Length, Chrome Plated Nipple	33.29	15.21
23 21 13 23-2774		**2" Nipples** *(23 21 13 23-2759)*		
23 21 13 23-2775	EA	1/4" Diameter, 2" Length, Chrome Plated Nipple	22.87	10.18
23 21 13 23-2776	EA	3/8" Diameter, 2" Length, Chrome Plated Nipple	21.61	10.88
23 21 13 23-2777	EA	1/2" Diameter, 2" Length, Chrome Plated Nipple	27.07	12.52
23 21 13 23-2778	EA	3/4" Diameter, 2" Length, Chrome Plated Nipple	34.92	15.57
23 21 13 23-2779	EA	1" Diameter, 2" Length, Chrome Plated Nipple	45.50	20.25
23 21 13 23-2780	EA	1-1/4" Diameter, 2" Length, Chrome Plated Nipple	64.93	28.09
23 21 13 23-2781	EA	1-1/2" Diameter, 2" Length, Chrome Plated Nipple	78.88	32.77
23 21 13 23-2782		**2-1/2" Nipples** *(23 21 13 23-2759)*		
23 21 13 23-2783	EA	1/4" Diameter, 2-1/2" Length, Chrome Plated Nipple	24.18	10.53
23 21 13 23-2784	EA	3/8" Diameter, 2-1/2" Length, Chrome Plated Nipple	22.40	11.36
23 21 13 23-2785	EA	1/2" Diameter, 2-1/2" Length, Chrome Plated Nipple	28.22	12.88
23 21 13 23-2786	EA	3/4" Diameter, 2-1/2" Length, Chrome Plated Nipple	35.76	16.04
23 21 13 23-2787	EA	1" Diameter, 2-1/2" Length, Chrome Plated Nipple	46.78	20.72
23 21 13 23-2788	EA	1-1/4" Diameter, 2-1/2" Length, Chrome Plated Nipple	68.74	28.44
23 21 13 23-2789	EA	1-1/2" Diameter, 2-1/2" Length, Chrome Plated Nipple	83.97	33.12
23 21 13 23-2790	EA	2" Diameter, 2-1/2" Length, Chrome Plated Nipple	106.74	40.97
23 21 13 23-2791		**3" Nipples** *(23 21 13 23-2759)*		
23 21 13 23-2792	EA	1/4" Diameter, 3" Length, Chrome Plated Nipple	25.19	10.88
23 21 13 23-2793	EA	3/8" Diameter, 3" Length, Chrome Plated Nipple	23.71	11.71
23 21 13 23-2794	EA	1/2" Diameter, 3" Length, Chrome Plated Nipple	27.85	12.52
23 21 13 23-2795	EA	3/4" Diameter, 3" Length, Chrome Plated Nipple	38.55	16.39
23 21 13 23-2796	EA	1" Diameter, 3" Length, Chrome Plated Nipple	52.45	21.07
23 21 13 23-2797	EA	1-1/4" Diameter, 3" Length, Chrome Plated Nipple	72.91	28.92
23 21 13 23-2798	EA	1-1/2" Diameter, 3" Length, Chrome Plated Nipple	95.91	33.60
23 21 13 23-2799	EA	2" Diameter, 3" Length, Chrome Plated Nipple	116.10	41.44
23 21 13 23-2800		**3-1/2" Nipples** *(23 21 13 23-2759)*		
23 21 13 23-2801	EA	1/4" Diameter, 3-1/2" Length, Chrome Plated Nipple	26.33	11.36
23 21 13 23-2802	EA	3/8" Diameter, 3-1/2" Length, Chrome Plated Nipple	25.93	12.06
23 21 13 23-2803	EA	1/2" Diameter, 3-1/2" Length, Chrome Plated Nipple	30.67	13.69
23 21 13 23-2804	EA	3/4" Diameter, 3-1/2" Length, Chrome Plated Nipple	42.66	16.74
23 21 13 23-2805	EA	1" Diameter, 3-1/2" Length, Chrome Plated Nipple	54.65	21.42
23 21 13 23-2806	EA	1-1/4" Diameter, 3-1/2" Length, Chrome Plated Nipple	81.06	29.27
23 21 13 23-2807	EA	1-1/2" Diameter, 3-1/2" Length, Chrome Plated Nipple	99.51	33.95
23 21 13 23-2808	EA	2" Diameter, 3-1/2" Length, Chrome Plated Nipple	123.56	41.79
23 21 13 23-2809		**4" Nipples** *(23 21 13 23-2759)*		
23 21 13 23-2810	EA	1/4" Diameter, 4" Length, Chrome Plated Nipple	27.46	11.71
23 21 13 23-2811	EA	3/8" Diameter, 4" Length, Chrome Plated Nipple	26.59	12.52
23 21 13 23-2812	EA	1/2" Diameter, 4" Length, Chrome Plated Nipple	30.92	13.23
23 21 13 23-2813	EA	3/4" Diameter, 4" Length, Chrome Plated Nipple	44.30	17.21
23 21 13 23-2814	EA	1" Diameter, 4" Length, Chrome Plated Nipple	56.74	21.89
23 21 13 23-2815	EA	1-1/4" Diameter, 4" Length, Chrome Plated Nipple	87.29	29.61
23 21 13 23-2816	EA	1-1/2" Diameter, 4" Length, Chrome Plated Nipple	106.88	34.30
23 21 13 23-2817	EA	2" Diameter, 4" Length, Chrome Plated Nipple	132.67	42.14
23 21 13 23-2818		**4-1/2" Nipples** *(23 21 13 23-2759)*		
23 21 13 23-2819	EA	1/4" Diameter, 4-1/2" Length, Chrome Plated Nipple	28.47	12.06
23 21 13 23-2820	EA	3/8" Diameter, 4-1/2" Length, Chrome Plated Nipple	28.82	12.88
23 21 13 23-2821	EA	1/2" Diameter, 4-1/2" Length, Chrome Plated Nipple	33.91	14.40
23 21 13 23-2822	EA	3/4" Diameter, 4-1/2" Length, Chrome Plated Nipple	46.17	17.56
23 21 13 23-2823	EA	1" Diameter, 4-1/2" Length, Chrome Plated Nipple	63.93	22.24
23 21 13 23-2824	EA	1-1/4" Diameter, 4-1/2" Length, Chrome Plated Nipple	93.24	30.08
23 21 13 23-2825	EA	1-1/2" Diameter, 4-1/2" Length, Chrome Plated Nipple	110.17	34.77
23 21 13 23-2826	EA	2" Diameter, 4-1/2" Length, Chrome Plated Nipple	141.04	42.61
23 21 13 23-2827		**5" Nipples** *(23 21 13 23-2759)*		
23 21 13 23-2828	EA	1/4" Diameter, 5" Length, Chrome Plated Nipple	31.90	12.52

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2829	EA	3/8" Diameter, 5" Length, Chrome Plated Nipple	30.22	13.23
23 21 13 23-2830	EA	1/2" Diameter, 5" Length, Chrome Plated Nipple	35.12	14.87
23 21 13 23-2831	EA	3/4" Diameter, 5" Length, Chrome Plated Nipple	47.97	17.91
23 21 13 23-2832	EA	1" Diameter, 5" Length, Chrome Plated Nipple	68.31	22.59
23 21 13 23-2833	EA	1-1/4" Diameter, 5" Length, Chrome Plated Nipple	98.66	30.44
23 21 13 23-2834	EA	1-1/2" Diameter, 5" Length, Chrome Plated Nipple	117.57	35.12
23 21 13 23-2835	EA	2" Diameter, 5" Length, Chrome Plated Nipple	146.47	42.96
23 21 13 23-2836		**5-1/2" Nipples** *(23 21 13 23-2759)*		
23 21 13 23-2837	EA	1/4" Diameter, 5-1/2" Length, Chrome Plated Nipple	32.93	12.88
23 21 13 23-2838	EA	3/8" Diameter, 5-1/2" Length, Chrome Plated Nipple	31.32	13.69
23 21 13 23-2839	EA	1/2" Diameter, 5-1/2" Length, Chrome Plated Nipple	38.53	15.21
23 21 13 23-2840	EA	3/4" Diameter, 5-1/2" Length, Chrome Plated Nipple	49.77	18.37
23 21 13 23-2841	EA	1" Diameter, 5-1/2" Length, Chrome Plated Nipple	70.61	23.06
23 21 13 23-2842	EA	1-1/4" Diameter, 5-1/2" Length, Chrome Plated Nipple	105.23	30.79
23 21 13 23-2843	EA	1-1/2" Diameter, 5-1/2" Length, Chrome Plated Nipple	123.47	35.47
23 21 13 23-2844	EA	2" Diameter, 5-1/2" Length, Chrome Plated Nipple	153.36	43.31
23 21 13 23-2845		**6" Nipples** *(23 21 13 23-2759)*		
23 21 13 23-2846	EA	1/4" Diameter, 6" Length, Chrome Plated Nipple	34.15	13.23
23 21 13 23-2847	EA	3/8" Diameter, 6" Length, Chrome Plated Nipple	31.94	14.05
23 21 13 23-2848	EA	1/2" Diameter, 6" Length, Chrome Plated Nipple	39.65	15.57
23 21 13 23-2849	EA	3/4" Diameter, 6" Length, Chrome Plated Nipple	51.22	18.73
23 21 13 23-2850	EA	1" Diameter, 6" Length, Chrome Plated Nipple	77.59	23.41
23 21 13 23-2851	EA	1-1/4" Diameter, 6" Length, Chrome Plated Nipple	109.28	31.25
23 21 13 23-2852	EA	1-1/2" Diameter, 6" Length, Chrome Plated Nipple	132.55	35.93
23 21 13 23-2853	EA	2" Diameter, 6" Length, Chrome Plated Nipple	159.68	43.78
23 21 13 23-2854		**8" Nipples** *(23 21 13 23-2759)*		
23 21 13 23-2855	EA	3/8" Diameter, 8" Length, Chrome Plated Nipple	38.14	14.87
23 21 13 23-2856	EA	1/2" Diameter, 8" Length, Chrome Plated Nipple	56.48	16.39
23 21 13 23-2857	EA	3/4" Diameter, 8" Length, Chrome Plated Nipple	68.69	19.55
23 21 13 23-2858	EA	1" Diameter, 8" Length, Chrome Plated Nipple	91.33	24.23
23 21 13 23-2859	EA	1-1/4" Diameter, 8" Length, Chrome Plated Nipple	131.09	31.96
23 21 13 23-2860	EA	1-1/2" Diameter, 8" Length, Chrome Plated Nipple	161.08	36.64
23 21 13 23-2861	EA	2" Diameter, 8" Length, Chrome Plated Nipple	198.49	44.48
23 21 13 23-2862		**10" Nipples** *(23 21 13 23-2759)*		
23 21 13 23-2863	EA	3/8" Diameter, 10" Length, Chrome Plated Nipple	44.06	14.87
23 21 13 23-2864	EA	1/2" Diameter, 10" Length, Chrome Plated Nipple	63.94	16.39
23 21 13 23-2865	EA	3/4" Diameter, 10" Length, Chrome Plated Nipple	77.31	19.55
23 21 13 23-2866	EA	1" Diameter, 10" Length, Chrome Plated Nipple	104.38	24.23
23 21 13 23-2867	EA	1-1/4" Diameter, 10" Length, Chrome Plated Nipple	159.02	31.96
23 21 13 23-2868	EA	1-1/2" Diameter, 10" Length, Chrome Plated Nipple	182.34	36.64
23 21 13 23-2869	EA	2" Diameter, 10" Length, Chrome Plated Nipple	232.50	44.48
23 21 13 23-2870		**12" Nipples** *(23 21 13 23-2759)*		
23 21 13 23-2871	EA	3/8" Diameter, 12" Length, Chrome Plated Nipple	49.16	16.39
23 21 13 23-2872	EA	1/2" Diameter, 12" Length, Chrome Plated Nipple	66.93	17.21
23 21 13 23-2873	EA	3/4" Diameter, 12" Length, Chrome Plated Nipple	85.42	20.25
23 21 13 23-2874	EA	1" Diameter, 12" Length, Chrome Plated Nipple	122.59	25.75
23 21 13 23-2875	EA	1-1/4" Diameter, 12" Length, Chrome Plated Nipple	178.47	33.60
23 21 13 23-2876	EA	2" Diameter, 12" Length, Chrome Plated Nipple	262.07	46.12
23 21 13 23-2877		**18" Nipples** *(23 21 13 23-2759)*		
23 21 13 23-2878	EA	3/8" Diameter, 18" Length, Chrome Plated Nipple	62.77	17.21
23 21 13 23-2879		**24" Nipples** *(23 21 13 23-2759)*		
23 21 13 23-2880	EA	3/8" Diameter, 24" Length, Chrome Plated Nipple	75.80	17.91
23 21 13 23-2881		**30" Nipples** *(23 21 13 23-2759)*		
23 21 13 23-2882	EA	3/8" Diameter, 30" Length, Chrome Plated Nipple	84.10	18.73
23 21 13 23-2883		**36" Nipples** *(23 21 13 23-2759)*		
23 21 13 23-2884	EA	3/8" Diameter, 36" Length, Chrome Plated Nipple	92.43	19.55
23 21 13 23-2885		**Chrome Plated Fittings** *(23 21 13 23-2758)*		
23 21 13 23-2886		**Chrome Plated 90 Degree Elbows** *(23 21 13 23-2885)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2887	EA	1/4" 90 Degree Elbow, Chrome Plated	26.33	10.88
23 21 13 23-2888	EA	3/8" 90 Degree Elbow, Chrome Plated	26.86	11.71
23 21 13 23-2889	EA	1/2" 90 Degree Elbow, Chrome Plated	30.22	12.52
23 21 13 23-2890	EA	3/4" 90 Degree Elbow, Chrome Plated	38.57	16.39
23 21 13 23-2891	EA	1" 90 Degree Elbow, Chrome Plated	52.37	21.07
23 21 13 23-2892	EA	1-1/4" 90 Degree Elbow, Chrome Plated	80.55	28.92
23 21 13 23-2893	EA	1-1/2" 90 Degree Elbow, Chrome Plated	96.75	33.60
23 21 13 23-2894	EA	2" 90 Degree Elbow, Chrome Plated	132.44	41.44
23 21 13 23-2895		**Chrome Plated Street 90 Degree Elbows** *(23 21 13 23-2885)*		
23 21 13 23-2896	EA	1/4" Street 90 Degree Elbow, Chrome Plated	30.50	10.88
23 21 13 23-2897	EA	3/8" Street 90 Degree Elbow, Chrome Plated	31.43	11.71
23 21 13 23-2898	EA	1/2" Street 90 Degree Elbow, Chrome Plated	33.40	12.52
23 21 13 23-2899	EA	3/4" Street 90 Degree Elbow, Chrome Plated	43.26	16.39
23 21 13 23-2900	EA	1" Street 90 Degree Elbow, Chrome Plated	61.02	21.07
23 21 13 23-2901	EA	1-1/4" Street 90 Degree Elbow, Chrome Plated	89.40	28.92
23 21 13 23-2902	EA	1-1/2" Street 90 Degree Elbow, Chrome Plated	109.17	33.60
23 21 13 23-2903	EA	2" Street 90 Degree Elbow, Chrome Plated	161.66	41.44
23 21 13 23-2904		**Chrome Plated 45 Degree Elbows** *(23 21 13 23-2885)*		
23 21 13 23-2905	EA	1/4" 45 Degree Elbow, Chrome Plated	27.25	10.88
23 21 13 23-2906	EA	3/8" 45 Degree Elbow, Chrome Plated	28.18	11.71
23 21 13 23-2907	EA	1/2" 45 Degree Elbow, Chrome Plated	31.17	12.52
23 21 13 23-2908	EA	3/4" 45 Degree Elbow, Chrome Plated	42.15	16.39
23 21 13 23-2909	EA	1" 45 Degree Elbow, Chrome Plated	56.38	21.07
23 21 13 23-2910	EA	1-1/4" 45 Degree Elbow, Chrome Plated	85.35	28.92
23 21 13 23-2911	EA	1-1/2" 45 Degree Elbow, Chrome Plated	103.18	33.60
23 21 13 23-2912	EA	2" 45 Degree Elbow, Chrome Plated	150.12	41.44
23 21 13 23-2913		**Chrome Plated Street 45 Degree Elbows** *(23 21 13 23-2885)*		
23 21 13 23-2914	EA	1/2" Street 45 Degree Elbow, Chrome Plated	36.89	12.52
23 21 13 23-2915		**Chrome Plated Couplings** *(23 21 13 23-2885)*		
23 21 13 23-2916	EA	1/4" Coupling, Chrome Plated	25.76	10.88
23 21 13 23-2917	EA	3/8" Coupling, Chrome Plated	26.93	11.71
23 21 13 23-2918	EA	1/2" Coupling, Chrome Plated	30.46	12.52
23 21 13 23-2919	EA	3/4" Coupling, Chrome Plated	38.66	16.39
23 21 13 23-2920	EA	1" Coupling, Chrome Plated	50.40	21.07
23 21 13 23-2921	EA	1-1/4" Coupling, Chrome Plated	73.34	28.92
23 21 13 23-2922	EA	1-1/2" Coupling, Chrome Plated	90.72	33.60
23 21 13 23-2923	EA	2" Coupling, Chrome Plated	125.08	41.44
23 21 13 23-2924		**Chrome Plated Unions** *(23 21 13 23-2885)*		
23 21 13 23-2925	EA	1/4" Union, Chrome Plated	41.36	12.52
23 21 13 23-2926	EA	3/8" Union, Chrome Plated	42.56	13.23
23 21 13 23-2927	EA	1/2" Union, Chrome Plated	51.45	14.87
23 21 13 23-2928	EA	3/4" Union, Chrome Plated	63.79	19.55
23 21 13 23-2929	EA	1" Union, Chrome Plated	80.67	24.93
23 21 13 23-2930	EA	1-1/4" Union, Chrome Plated	130.82	33.60
23 21 13 23-2931	EA	1-1/2" Union, Chrome Plated	162.88	39.80
23 21 13 23-2932	EA	2" Union, Chrome Plated	212.56	48.46
23 21 13 23-2933		**Chrome Plated Caps** *(23 21 13 23-2885)*		
23 21 13 23-2934	EA	1/4" Cap, Chrome Plated	17.34	5.50
23 21 13 23-2935	EA	3/8" Cap, Chrome Plated	17.92	5.85
23 21 13 23-2936	EA	1/2" Cap, Chrome Plated	20.45	6.20
23 21 13 23-2937	EA	3/4" Cap, Chrome Plated	25.52	8.20
23 21 13 23-2938	EA	1" Cap, Chrome Plated	30.33	10.53
23 21 13 23-2939	EA	1-1/4" Cap, Chrome Plated	44.77	14.40
23 21 13 23-2940	EA	1-1/2" Cap, Chrome Plated	58.99	16.74
23 21 13 23-2941	EA	2" Cap, Chrome Plated	86.24	21.89
23 21 13 23-2942		**Chrome Plated Plugs** *(23 21 13 23-2885)*		
23 21 13 23-2943	EA	1/4" Plug, Chrome Plated	14.16	5.50
23 21 13 23-2944	EA	3/8" Plug, Chrome Plated	14.74	5.85
23 21 13 23-2945	EA	1/2" Plug, Chrome Plated	17.11	6.20
23 21 13 23-2946	EA	3/4" Plug, Chrome Plated	23.14	8.20
23 21 13 23-2947	EA	1" Plug, Chrome Plated	28.52	10.53
23 21 13 23-2948	EA	1-1/4" Plug, Chrome Plated	38.50	14.40
23 21 13 23-2949	EA	1-1/2" Plug, Chrome Plated	47.52	16.74
23 21 13 23-2950	EA	2" Plug, Chrome Plated	66.30	21.89

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2951		**Chrome Plated Tees** *(23 21 13 23-2885)*		
23 21 13 23-2952	EA	1/4" Chrome Plated Tee	36.57	16.39
23 21 13 23-2953	EA	3/8" Chrome Plated Tee	38.91	17.91
23 21 13 23-2954	EA	1/2" Chrome Plated Tee	43.37	19.55
23 21 13 23-2955	EA	3/4" Chrome Plated Tee	54.03	24.23
23 21 13 23-2956	EA	1" Chrome Plated Tee	76.83	31.25
23 21 13 23-2957	EA	1-1/4" Chrome Plated Tee	105.91	42.96
23 21 13 23-2958	EA	1-1/2" Chrome Plated Tee	135.62	49.98
23 21 13 23-2959	EA	2" Chrome Plated Tee	186.08	61.69
23 21 13 23-2960		**Chrome Plated Reducing 90 Degree Elbows** *(23 21 13 23-2885)*		
23 21 13 23-2961	EA	1/2" x 3/8" Reducing 90 Degree Elbow, Chrome Plated	41.25	19.55
23 21 13 23-2962	EA	3/4" x 1/2" Reducing 90 Degree Elbow, Chrome Plated	48.28	24.23
23 21 13 23-2963		**Chrome Plated Bell Reducers** *(23 21 13 23-2885)*		
23 21 13 23-2964	EA	1/2" x 3/8" Bell Reducer, Chrome Plated	45.10	19.55
23 21 13 23-2965	EA	3/4" x 1/2" Bell Reducer, Chrome Plated	54.90	24.23
23 21 13 23-2966	EA	1" x 1/2" Bell Reducer, Chrome Plated	69.75	31.25
23 21 13 23-2967		**Chrome Plated Reducing Tees** *(23 21 13 23-2885)*		
23 21 13 23-2968	EA	3/4" x 1/2" Reducing Tee, Chrome Plated	59.77	24.23
23 21 13 23-2969		**Chrome Plated Bushings** *(23 21 13 23-2885)*		
23 21 13 23-2970	EA	3/8" x 1/4" Bushing, Chrome Plated	14.06	5.50
23 21 13 23-2971	EA	1/2" x 1/4" Bushing, Chrome Plated	15.14	5.85
23 21 13 23-2972	EA	1/2" x 3/8" Bushing, Chrome Plated	15.72	6.20
23 21 13 23-2973	EA	3/4" x 1/2" Bushing, Chrome Plated	19.98	8.20
23 21 13 23-2974	EA	1" x 3/4" Bushing, Chrome Plated	29.13	10.53
23 21 13 23-2975	EA	1-1/4" x 1" Bushing, Chrome Plated	42.62	14.40
23 21 16		**Hydronic Piping Specialties** *(23 21)*		
23 21 16 00-0001		Air Vents *(23 21 16)*		
23 21 16 00-0002		Screwed Ends, Cast Iron, Automatic Air Vents *(23 21 16 00-0001)*		
		Note: With guided free floating lever.		
23 21 16 00-0003	EA	1/2" NPT, Cast Iron, Automatic Air Vent	328.23	33.96
23 21 16 00-0004	EA	3/4" NPT, Cast Iron, Automatic Air Vent	401.70	45.08
23 21 16 00-0005	EA	1" NPT, Cast Iron, Automatic Air Vent	918.51	46.85
23 21 16 00-0006	EA	1-1/4" NPT, Cast Iron, Automatic Air Vent	1,361.84	72.37
23 21 16 00-0007	EA	1-1/2" NPT, Cast Iron, Automatic Air Vent	2,272.87	77.88
23 21 16 00-0008	EA	2" NPT, Cast Iron, Automatic Air Vent	2,609.13	102.70
23 21 16 00-0009		Forged Steel, Stainless Steel Internals, Automatic Air Vents *(23 21 16 00-0001)*		
		Note: With guided free floating lever.		
23 21 16 00-0010	EA	1/2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	2,612.30	39.23
23 21 16 00-0011	EA	3/4" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	3,276.31	45.08
23 21 16 00-0012	EA	1" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	3,913.46	46.85
23 21 16 00-0013	EA	1-1/4" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	6,423.79	72.60
23 21 16 00-0014	EA	1-1/2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	7,422.57	77.88
23 21 16 00-0015	EA	2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	10,919.24	102.46
23 21 16 00-0016		Automatic Air Vent *(23 21 16 00-0001)*		
23 21 16 00-0017	EA	3/4" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	253.31	45.08
23 21 16 00-0018	EA	1" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	277.61	46.85
23 21 16 00-0019	EA	1-1/4" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	392.49	72.37
23 21 16 00-0020	EA	1-1/2" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	486.43	77.88
23 21 16 00-0021	EA	2" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	622.57	83.91
23 21 16 00-0022		Manual Air Vent *(23 21 16 00-0001)*		
23 21 16 00-0023	EA	Manual Air Vent	81.11	42.27
23 21 16 00-0024		Air Release Valves *(23 21 16 00-0001)*		
23 21 16 00-0025		Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50) *(23 21 16 00-0024)*		
		Note: Up to 175 psi. Stainless steel float.		
23 21 16 00-0026	EA	1/2" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50)	198.13	17.57
23 21 16 00-0027	EA	3/4" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50)	202.82	19.90
23 21 16 00-0028	EA	1" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50)	212.18	24.60

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0029		**Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200)** *(23 21 16 00-0024)*		
		Note: Up to 175 psi. Stainless steel float.		
23 21 16 00-0030	EA	1" NPT, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200A)	810.88	24.60
23 21 16 00-0031	EA	2" NPT, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200)	972.92	42.75
23 21 16 00-0032	EA	3" Flanged, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200)	1,275.92	99.66
23 21 16 00-0033		**Cast Iron, Air/Vacuum Valves** *(23 21 16 00-0024)*		
		Note: Up to 150 psi. Stainless steel float.		
23 21 16 00-0034	EA	1/2" NPT, Cast Iron, Air/Vacuum Valve (Apco 141)	392.18	17.57
23 21 16 00-0035	EA	1" NPT, Cast Iron, Air/Vacuum Valve (Apco 142)	483.85	24.60
23 21 16 00-0036	EA	2" NPT, Cast Iron, Air/Vacuum Valve (Apco 144)	835.80	42.75
23 21 16 00-0037	EA	3" Flanged, Cast Iron, Air/Vacuum Valve (Apco 146)	1,213.82	99.66
23 21 16 00-0038	EA	4" Flanged, Cast Iron, Air/Vacuum Valve (Apco 152)	1,898.62	167.29
23 21 16 00-0039	EA	6" Flanged Cast Iron Air Release Valve (APCO 153)	2,890.53	211.54
23 21 16 00-0040		**Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice** *(23 21 16 00-0024)*		
		Note: Up to 150 psi. Stainless Steel float.		
23 21 16 00-0041	EA	1" NPT, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 143C)	701.18	24.60
23 21 16 00-0042	EA	2" NPT, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 145C)	1,076.42	42.75
23 21 16 00-0043	EA	3" Flanged, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 147C)	1,977.08	99.66
23 21 16 00-0044	EA	4" Flanged, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 149C)	2,563.55	167.29
23 21 16 00-0045		**Vent Valves** *(23 21 16)*		
23 21 16 00-0046	EA	1/8", 1.5 PSIG Operating Pressure, Non-Vacuum Adjustable Angle Radiator Steam Vent Valve (Hoffman 1A)	83.38	17.57
23 21 16 00-0047	EA	1/2" x 3/4", 35 PSIG Operating Pressure, Straight Steam Unit Heater Air Vent Valve (Hoffman 74)	204.52	18.89
23 21 16 00-0048	EA	1/2" x 3/4", 3 PSIG Operating Pressure, Non-Vacuum Main Steam Air Vent Valve (Hoffman 75)	194.85	18.89
23 21 16 00-0049	EA	1/2" x 3/4", 10 PSIG Operating Pressure, Non Vacuum Straight Non-Vacuum Main Steam Air Vent Valve (Hoffman 75H)	201.62	18.89
23 21 16 00-0050	EA	3/4", 150 PSIG Operating Pressure, Straight Water Main Vent Valve (Hoffman 78)	260.87	18.89
23 21 16 00-0051	EA	1/2" x 3/4", 75 PSIG Operating Pressure, Straight Water Main Vent Valve (Hoffman 79)	192.19	18.89
23 21 16 00-0052		**Threaded Inlet, Drip-Pan Elbow** *(23 21 16)*		
23 21 16 00-0053		**Cast Iron, Threaded Inlet, Drip-Pan Elbow** *(23 21 16 00-0052)*		
23 21 16 00-0054	EA	2-1/2" Cast Iron, Threaded Inlet, Drip-Pan Elbow	257.41	29.59
		For Flanged Inlet, Add	*95.32*	
23 21 16 00-0055	EA	3" Cast Iron, Threaded Inlet, Drip-Pan Elbow	291.93	35.08
		For Flanged Inlet, Add	*102.33*	
23 21 16 00-0056	EA	3-1/2" Cast Iron, Threaded Inlet, Drip-Pan Elbow	366.62	40.56
		For Flanged Inlet, Add	*138.05*	
23 21 16 00-0057	EA	4" Cast Iron, Threaded Inlet, Drip-Pan Elbow	542.97	46.04
		For Flanged Inlet, Add	*242.88*	
23 21 16 00-0058	EA	5" Cast Iron, Threaded Inlet, Drip-Pan Elbow	614.08	54.81
		For Flanged Inlet, Add	*268.49*	
23 21 16 00-0059	EA	6" Cast Iron, Threaded Inlet, Drip-Pan Elbow	851.06	69.06
		For Flanged Inlet, Add	*392.37*	
23 21 16 00-0060	EA	8" Cast Iron, Threaded Inlet, Drip-Pan Elbow	1,900.82	90.99
		For Flanged Inlet, Add	*1,044.09*	
23 21 16 00-0061		**Cast Steel, Threaded Inlet, Drip-Pan Elbow** *(23 21 16 00-0052)*		
23 21 16 00-0062	EA	2-1/2" Cast Steel, Threaded Inlet, Drip-Pan Elbow	935.83	29.59
		For Flanged Inlet, Add	*556.64*	
23 21 16 00-0063	EA	3" Cast Steel, Threaded Inlet, Drip-Pan Elbow	1,133.36	35.08
		For Flanged Inlet, Add	*674.50*	
23 21 16 00-0064	EA	3-1/2" Cast Steel, Threaded Inlet, Drip-Pan Elbow	1,641.88	40.56
		For Flanged Inlet, Add	*1,005.22*	
23 21 16 00-0065	EA	4" Cast Steel, Threaded Inlet, Drip-Pan Elbow	1,664.06	46.04
		For Flanged Inlet, Add	*1,005.22*	
23 21 16 00-0066	EA	5" Cast Steel, Threaded Inlet, Drip-Pan Elbow	2,424.84	54.81
		For Flanged Inlet, Add	*1,499.81*	
23 21 16 00-0067	EA	6" Cast Steel, Threaded Inlet, Drip-Pan Elbow	2,479.65	69.06
		For Flanged Inlet, Add	*1,499.81*	
23 21 16 00-0068	EA	8" Cast Steel, Threaded Inlet, Drip-Pan Elbow	4,152.96	90.99
		For Flanged Inlet, Add	*2,575.54*	
23 21 16 00-0069		**Y-Type Strainers** *(23 21 16)*		
23 21 16 00-0070		**Screwed Ends, 250 Lb., Iron Body, Y-Type Strainers** *(23 21 16 00-0069)*		
23 21 16 00-0071	EA	1/4" Or 3/8" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	83.08	13.11
		For Galvanized Body, Add	*22.81*	
		For Work In Restricted Working Space, Add	*11.24*	
23 21 16 00-0072	EA	1/2" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	83.67	13.35
		For Galvanized Body, Add	*22.81*	
		For Work In Restricted Working Space, Add	*11.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0073	EA	3/4" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	105.96	18.03
		For Galvanized Body, Add	*27.22*	
		For Work In Restricted Working Space, Add	*15.46*	
23 21 16 00-0074	EA	1" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	135.04	21.54
		For Galvanized Body, Add	*36.78*	
		For Work In Restricted Working Space, Add	*18.44*	
23 21 16 00-0075	EA	1-1/4" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	176.89	26.64
		For Galvanized Body, Add	*50.39*	
		For Work In Restricted Working Space, Add	*22.84*	
23 21 16 00-0076	EA	1-1/2" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	203.34	28.69
		For Galvanized Body, Add	*60.69*	
		For Work In Restricted Working Space, Add	*24.59*	
23 21 16 00-0077	EA	2" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	280.52	32.78
		For Galvanized Body, Add	*93.42*	
		For Work In Restricted Working Space, Add	*28.10*	
23 21 16 00-0078	EA	2-1/2" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	537.12	40.98
		For Galvanized Body, Add	*210.01*	
		For Work In Restricted Working Space, Add	*35.13*	
23 21 16 00-0079	EA	3" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	695.12	51.29
		For Galvanized Body, Add	*274.37*	
		For Work In Restricted Working Space, Add	*43.91*	

23 21 16 00-0080 Flanged, 125 Lb., Iron Body , Y-Type Strainers *(23 21 16 00-0069)*

23 21 16 00-0081	EA	1-1/2" Flanged, 125 Lb., Iron Body, Y-Type Strainer	501.55	122.96
		For Galvanized Body, Add	*173.74*	
		For Work In Restricted Working Space, Add	*46.22*	
23 21 16 00-0082	EA	2" Flanged, 125 Lb., Iron Body, Y-Type Strainer	571.19	156.10
		For Galvanized Body, Add	*188.01*	
		For Work In Restricted Working Space, Add	*58.55*	
23 21 16 00-0083	EA	3" Flanged, 125 Lb., Iron Body, Y-Type Strainer	1,145.56	199.08
		For Galvanized Body, Add	*448.21*	
		For Work In Restricted Working Space, Add	*74.75*	
23 21 16 00-0084	EA	4" Flanged, 125 Lb., Iron Body, Y-Type Strainer	1,435.48	333.74
		For Galvanized Body, Add	*508.63*	
		For Work In Restricted Working Space, Add	*125.47*	
23 21 16 00-0085	EA	5" Flanged, 125 Lb., Iron Body, Y-Type Strainer	1,557.63	336.17
		For Galvanized Body, Add	*569.03*	
		For Work In Restricted Working Space, Add	*125.87*	
23 21 16 00-0086	EA	6" Flanged, 125 Lb., Iron Body, Y-Type Strainer	1,881.99	373.52
		For Galvanized Body, Add	*706.71*	
		For Work In Restricted Working Space, Add	*140.57*	
23 21 16 00-0087	EA	8" Flanged, 125 Lb., Iron Body, Y-Type Strainer	3,376.63	477.28
		For Galvanized Body, Add	*1,391.87*	
		For Work In Restricted Working Space, Add	*177.87*	
23 21 16 00-0088	EA	10" Flanged, 125 Lb., Iron Body, Y-Type Strainer	6,930.74	581.03
		For Galvanized Body, Add	*3,102.23*	
		For Work In Restricted Working Space, Add	*217.88*	
23 21 16 00-0089	EA	12" Flanged, 125 Lb., Iron Body, Y-Type Strainer	7,488.81	518.78
		For Galvanized Body, Add	*3,225.63*	
		For Work In Restricted Working Space, Add	*311.27*	

23 21 16 00-0090 Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainers *(23 21 16 00-0069)*

Note: With screwed cap (4" size has bolted cap).

23 21 16 00-0091	EA	1/2" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	73.79	13.35
		For 300 Lb. Rating, Add	*60.74*	
		For Work In Restricted Working Space, Add	*11.42*	
23 21 16 00-0092	EA	3/4" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	97.97	18.03
		For 300 Lb. Rating, Add	*78.95*	
		For Work In Restricted Working Space, Add	*15.46*	
23 21 16 00-0093	EA	1" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	119.98	21.54
		For 300 Lb. Rating, Add	*99.45*	
		For Work In Restricted Working Space, Add	*18.44*	
23 21 16 00-0094	EA	1-1/4" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	164.01	26.64
		For 300 Lb. Rating, Add	*149.41*	
		For Work In Restricted Working Space, Add	*22.84*	
23 21 16 00-0095	EA	1-1/2" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	196.12	28.69
		For 300 Lb. Rating, Add	*194.06*	
		For Work In Restricted Working Space, Add	*24.59*	
23 21 16 00-0096	EA	2" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	263.65	32.78
		For 300 Lb. Rating, Add	*288.95*	
		For Work In Restricted Working Space, Add	*28.10*	
23 21 16 00-0097	EA	2-1/2" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	372.10	40.98
		For 300 Lb. Rating, Add	*433.50*	
		For Work In Restricted Working Space, Add	*35.13*	
23 21 16 00-0098	EA	3" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	675.09	51.29
		For 300 Lb. Rating, Add	*898.81*	
		For Work In Restricted Working Space, Add	*43.91*	
23 21 16 00-0099	EA	4" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	1,179.06	61.48
		For 300 Lb. Rating, Add	*1,705.78*	
		For Work In Restricted Working Space, Add	*52.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0100		**Flanged, 150 Lb., Bronze Body, Y-Type Strainers** *(23 21 16 00-0069)* Note: With bolted cap.		
23 21 16 00-0101	EA	2" Flanged, 150 Lb., Bronze Body, Y-Type Strainer	638.98	156.10
		For 300 Lb. Rating, Add	*266.29*	
		For Work In Restricted Working Space, Add	*58.55*	
23 21 16 00-0102	EA	2-1/2" Flanged, 150 Lb., Bronze Body, Y-Type Strainer	665.09	169.80
		For 300 Lb. Rating, Add	*271.31*	
		For Work In Restricted Working Space, Add	*63.87*	
23 21 16 00-0103	EA	3" Flanged, 150 Lb., Bronze Body, Y-Type Strainer	766.93	199.08
		For 300 Lb. Rating, Add	*310.67*	
		For Work In Restricted Working Space, Add	*74.75*	
23 21 16 00-0104	EA	4" Flanged, 150 Lb., Bronze Body, Y-Type Strainer	1,676.36	333.74
		For 300 Lb. Rating, Add	*754.88*	
		For Work In Restricted Working Space, Add	*125.47*	
23 21 16 00-0105	EA	6" Flanged, 150 Lb., Bronze Body, Y-Type Strainer	2,375.68	373.52
		For 300 Lb. Rating, Add	*1,144.27*	
		For Work In Restricted Working Space, Add	*140.57*	
23 21 16 00-0106	EA	8" Flanged, 150 Lb., Bronze Body, Y-Type Strainer	3,847.52	477.28
		For 300 Lb. Rating, Add	*1,952.78*	
		For Work In Restricted Working Space, Add	*177.87*	
23 21 16 00-0107	EA	10" Flanged, 150 Lb., Bronze Body, Y-Type Strainer	12,407.60	581.03
		For 300 Lb. Rating, Add	*7,008.79*	
		For Work In Restricted Working Space, Add	*217.88*	
23 21 16 00-0108		**Polyvinyl Chloride (PVC) Body, Y-Type Strainers** *(23 21 16 00-0069)*		
23 21 16 00-0109		**Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainers** *(23 21 16 00-0108)*		
23 21 16 00-0110	EA	1/2" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer	119.05	12.88
		For Work In Restricted Working Space, Add	*11.24*	
23 21 16 00-0111	EA	3/4" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer	141.51	17.68
		For Work In Restricted Working Space, Add	*15.10*	
23 21 16 00-0112	EA	1" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer	168.58	23.99
		For Work In Restricted Working Space, Add	*20.72*	
23 21 16 00-0113	EA	1-1/4" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer	256.46	25.75
		For Work In Restricted Working Space, Add	*22.13*	
23 21 16 00-0114	EA	1-1/2" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer	260.71	27.86
		For Work In Restricted Working Space, Add	*23.88*	
23 21 16 00-0115	EA	2" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer	304.77	31.60
		For Work In Restricted Working Space, Add	*27.04*	
23 21 16 00-0116	EA	2-1/2" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer	627.92	40.97
		For Work In Restricted Working Space, Add	*35.12*	
23 21 16 00-0117	EA	3" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer	625.26	51.27
		For Work In Restricted Working Space, Add	*43.90*	
23 21 16 00-0118	EA	4" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer	994.70	54.55
		For Work In Restricted Working Space, Add	*46.70*	
23 21 16 00-0119		**Flanged, Polyvinyl Chloride (PVC) Body, Y-Type Strainers** *(23 21 16 00-0108)*		
23 21 16 00-0120	EA	2" Flanged, Polyvinyl Chloride (PVC) Body, Y-Type Strainer	502.86	73.16
		For Work In Restricted Working Space, Add	*43.90*	
23 21 16 00-0121	EA	2-1/2" Flanged, Polyvinyl Chloride (PVC) Body, Y-Type Strainer	969.51	95.40
		For Work In Restricted Working Space, Add	*57.24*	
23 21 16 00-0122	EA	3" Flanged, Polyvinyl Chloride (PVC) Body, Y-Type Strainer	988.76	199.00
		For Work In Restricted Working Space, Add	*74.72*	
23 21 16 00-0123	EA	4" Flanged, Polyvinyl Chloride (PVC) Body, Y-Type Strainer	1,610.09	333.61
		For Work In Restricted Working Space, Add	*125.42*	
23 21 16 00-0124		**Crimped Bronze Body, Class 125, Y-Type Strainers** *(23 21 16 00-0069)* Note: Nibco®		
23 21 16 00-0125	EA	1/2" Class 125, Crimped Bronze Body, Y-Type Strainer	186.32	11.71
		For Work In Restricted Working Space, Add	*7.90*	
23 21 16 00-0126	EA	3/4" Class 125, Crimped Bronze Body, Y-Type Strainer	215.93	12.88
		For Work In Restricted Working Space, Add	*9.00*	
23 21 16 00-0127	EA	1" Class 125, Crimped Bronze Body, Y-Type Strainer	308.80	14.63
		For Work In Restricted Working Space, Add	*10.76*	
23 21 16 00-0128	EA	1-1/4" Class 125, Crimped Bronze Body, Y-Type Strainer	415.75	15.57
		For Work In Restricted Working Space, Add	*11.85*	
23 21 16 00-0129	EA	1-1/2" Class 125, Crimped Bronze Body, Y-Type Strainer	501.30	18.02
		For Work In Restricted Working Space, Add	*13.17*	
23 21 16 00-0130	EA	2" Class 125, Crimped Bronze Body, Y-Type Strainer	744.89	21.30
		For Work In Restricted Working Space, Add	*15.80*	
23 21 16 00-0131		**Crimped Bronze Body, 250 PSI, Y-Type Strainers** *(23 21 16 00-0069)*		
23 21 16 00-0132	EA	1/2" 250 PSI, Crimped Bronze Body, Y-Type Strainer	77.44	11.71
23 21 16 00-0133	EA	3/4" 250 PSI, Crimped Bronze Body, Y-Type Strainer	94.41	12.88
23 21 16 00-0134	EA	1" 250 PSI, Crimped Bronze Body, Y-Type Strainer	138.04	14.63
23 21 16 00-0135	EA	1-1/4" 250 PSI, Crimped Bronze Body, Y-Type Strainer	168.54	15.57
23 21 16 00-0136	EA	1-1/2" 250 PSI, Crimped Bronze Body, Y-Type Strainer	200.98	18.02
23 21 16 00-0137	EA	2" 250 PSI, Crimped Bronze Body, Y-Type Strainer	263.73	21.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 21 16 00-0138 Cast Iron Body, Suction Diffusers *(23 21 16)*

Note: 175 PSI, steel inlet vanes, steel orifice cylinder and 16 mesh bronze startup strainer.

23 21 16 00-0139	EA	2" x 1-1/2" Screwed Ends, 175 Lb., Cast Iron Body, Suction Diffuser	561.26	46.14
		For Work In Restricted Working Space, Add	*22.59*	
23 21 16 00-0140	EA	2" x 2" Screwed Ends, 175 Lb., Cast Iron Body, Suction Diffuser	589.05	51.18
		For Work In Restricted Working Space, Add	*25.10*	
23 21 16 00-0141	EA	2-1/2" x 2" Screwed Ends, 175 Lb., Cast Iron Body, Suction Diffuser	598.12	53.74
		For Work In Restricted Working Space, Add	*26.36*	
23 21 16 00-0142	EA	2-1/2" x 2-1/2" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	1,126.52	169.80
		For Work In Restricted Working Space, Add	*63.87*	
23 21 16 00-0143	EA	3" x 1-1/2" Screwed Ends, 175 Lb., Cast Iron Body, Suction Diffuser	617.16	62.53
		For Work In Restricted Working Space, Add	*30.61*	
23 21 16 00-0144	EA	3" x 2" Screwed Ends, 175 Lb., Cast Iron Body, Suction Diffuser	699.78	62.53
		For Work In Restricted Working Space, Add	*30.61*	
23 21 16 00-0145	EA	3" x 2-1/2" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	1,178.66	184.82
		For Work In Restricted Working Space, Add	*69.31*	
23 21 16 00-0146	EA	3" x 3" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	1,201.64	199.08
		For Work In Restricted Working Space, Add	*74.75*	
23 21 16 00-0147	EA	4" x 3" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	1,456.27	266.95
		For Work In Restricted Working Space, Add	*100.11*	
23 21 16 00-0148	EA	4" x 4" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	1,710.89	333.74
		For Work In Restricted Working Space, Add	*125.47*	
23 21 16 00-0149	EA	6" x 4" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	1,964.94	335.65
		For Work In Restricted Working Space, Add	*125.87*	
23 21 16 00-0150	EA	6" x 6" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	2,378.41	373.52
		For Work In Restricted Working Space, Add	*140.57*	
23 21 16 00-0151	EA	8" x 6" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	2,682.54	477.28
		For Work In Restricted Working Space, Add	*177.87*	
23 21 16 00-0152	EA	8" x 8" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	4,184.16	477.28
		For Work In Restricted Working Space, Add	*177.87*	
23 21 16 00-0153	EA	10" x 8" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	4,774.36	581.03
		For Work In Restricted Working Space, Add	*217.88*	
23 21 16 00-0154	EA	10" x 10" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	5,595.64	581.03
		For Work In Restricted Working Space, Add	*217.88*	

23 21 16 00-0155 Duplex Strainers *(23 21 16)*

23 21 16 00-0156 Iron Body, Duplex Strainers *(23 21 16 00-0155)*

23 21 16 00-0157 Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainers *(23 21 16 00-0156)*

Note: With brass or stainless steel basket.

23 21 16 00-0158	EA	3/4" Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	969.37	29.16
		For Work In Restricted Working Space, Add	*17.51*	
23 21 16 00-0159	EA	1" Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	1,082.21	33.38
		For Work In Restricted Working Space, Add	*20.04*	
23 21 16 00-0160	EA	1-1/4" Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	1,468.67	39.23
		For Work In Restricted Working Space, Add	*23.52*	
23 21 16 00-0161	EA	1-1/2" Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	1,850.59	42.75
		For Work In Restricted Working Space, Add	*25.64*	
23 21 16 00-0162	EA	2" Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	2,481.76	52.11
		For Work In Restricted Working Space, Add	*31.37*	
23 21 16 00-0163	EA	2-1/2" Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	3,122.75	66.75
		For Work In Restricted Working Space, Add	*40.04*	

23 21 16 00-0164 Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainers *(23 21 16 00-0156)*

Note: With brass or stainless steel basket.

23 21 16 00-0165	EA	2" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	3,374.26	156.10
		For Work In Restricted Working Space, Add	*58.55*	
23 21 16 00-0166	EA	2-1/2" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	3,486.90	169.80
		For Work In Restricted Working Space, Add	*63.87*	
23 21 16 00-0167	EA	3" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	4,472.12	199.08
		For Work In Restricted Working Space, Add	*74.75*	
23 21 16 00-0168	EA	4" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	7,013.43	295.70
		For Work In Restricted Working Space, Add	*111.17*	
23 21 16 00-0169	EA	6" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	13,754.33	373.52
		For Work In Restricted Working Space, Add	*140.57*	
23 21 16 00-0170	EA	8" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	26,215.42	477.28
		For Work In Restricted Working Space, Add	*177.87*	
23 21 16 00-0171	EA	10" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	36,218.23	581.03
		For Work In Restricted Working Space, Add	*217.88*	
23 21 16 00-0172	EA	12" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	40,943.14	732.52
		For Work In Restricted Working Space, Add	*439.64*	
23 21 16 00-0173	EA	14" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	48,866.27	830.05
		For Work In Restricted Working Space, Add	*311.27*	
23 21 16 00-0174	EA	16" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	61,117.00	913.04
		For Work In Restricted Working Space, Add	*342.39*	

23 21 16 00-0175 Bronze Body, Duplex Strainers *(23 21 16 00-0155)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0176		Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainers *(23 21 16 00-0175)*		
		Note: With brass or stainless steel basket.		
23 21 16 00-0177	EA	3/4" Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainer	1,813.97	29.28
		For Work In Restricted Working Space, Add	*17.51*	
23 21 16 00-0178	EA	1" Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainer	2,012.21	33.38
		For Work In Restricted Working Space, Add	*20.04*	
23 21 16 00-0179	EA	1-1/4" Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainer	2,949.08	39.23
		For Work In Restricted Working Space, Add	*23.52*	
23 21 16 00-0180	EA	1-1/2" Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainer	3,881.41	42.75
		For Work In Restricted Working Space, Add	*25.64*	
23 21 16 00-0181	EA	2" Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainer	5,015.54	52.11
		For Work In Restricted Working Space, Add	*31.37*	
23 21 16 00-0182	EA	2-1/2" Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainer	6,159.50	66.75
		For Work In Restricted Working Space, Add	*40.04*	
23 21 16 00-0183		Flanged, 125 Lb., Bronze Diverter, Bronze Body, Duplex Strainers *(23 21 16 00-0175)*		
		Note: With brass or stainless steel basket.		
23 21 16 00-0184	EA	2" Flanged, 125 Lb., Bronze Diverter, Bronze Body, Duplex Strainer	7,027.84	156.10
		For Work In Restricted Working Space, Add	*58.55*	
23 21 16 00-0185	EA	2-1/2" Flanged, 125 Lb., Bronze Diverter, Bronze Body, Duplex Strainer	7,235.38	169.80
		For Work In Restricted Working Space, Add	*63.87*	
23 21 16 00-0186	EA	3" Flanged, 125 Lb., Bronze Diverter, Bronze Body, Duplex Strainer	9,928.77	199.08
		For Work In Restricted Working Space, Add	*74.75*	
23 21 16 00-0187	EA	4" Flanged, 125 Lb., Bronze Diverter, Bronze Body, Duplex Strainer	15,649.17	295.70
		For Work In Restricted Working Space, Add	*111.17*	
23 21 16 00-0188	EA	6" Flanged, 125 Lb., Bronze Diverter, Bronze Body, Duplex Strainer	34,062.55	373.52
		For Work In Restricted Working Space, Add	*140.57*	
23 21 16 00-0189		Cast Steel Body, Duplex Strainers *(23 21 16 00-0155)*		
23 21 16 00-0190		Screwed Ends, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainers *(23 21 16 00-0189)*		
		Note: With brass or stainless steel basket.		
23 21 16 00-0191	EA	1" Screwed Ends, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	2,830.02	33.38
		For Work In Restricted Working Space, Add	*20.04*	
23 21 16 00-0192	EA	1-1/4" Screwed Ends, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	3,486.36	39.23
		For Work In Restricted Working Space, Add	*23.52*	
23 21 16 00-0193	EA	1-1/2" Screwed Ends, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	4,138.21	42.75
		For Work In Restricted Working Space, Add	*25.65*	
23 21 16 00-0194	EA	2" Screwed Ends, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	7,012.59	52.11
		For Work In Restricted Working Space, Add	*31.37*	
23 21 16 00-0195		Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainers *(23 21 16 00-0189)*		
		Note: With brass or stainless steel basket.		
23 21 16 00-0196	EA	2" Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	7,149.26	156.10
		For Work In Restricted Working Space, Add	*58.55*	
23 21 16 00-0197	EA	2-1/2" Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	7,857.80	169.80
		For Work In Restricted Working Space, Add	*63.87*	
23 21 16 00-0198	EA	3" Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	10,334.88	199.08
		For Work In Restricted Working Space, Add	*74.75*	
23 21 16 00-0199	EA	4" Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	15,153.74	295.70
		For Work In Restricted Working Space, Add	*111.17*	
23 21 16 00-0200	EA	6" Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	25,890.14	373.52
		For Work In Restricted Working Space, Add	*140.57*	
23 21 16 00-0201	EA	8" Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	50,514.95	477.28
		For Work In Restricted Working Space, Add	*177.87*	
23 21 16 00-0202		Stainless Steel Body, Duplex Strainers *(23 21 16 00-0155)*		
23 21 16 00-0203		Screwed Ends, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainers *(23 21 16 00-0202)*		
		Note: With stainless steel basket.		
23 21 16 00-0204	EA	1" Screwed Ends, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	6,490.70	33.38
		For Work In Restricted Working Space, Add	*20.04*	
23 21 16 00-0205	EA	1-1/4" Screwed Ends, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	8,203.43	39.23
		For Work In Restricted Working Space, Add	*23.52*	
23 21 16 00-0206	EA	1-1/2" Screwed Ends, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	9,899.77	42.75
		For Work In Restricted Working Space, Add	*25.65*	
23 21 16 00-0207	EA	2" Screwed Ends, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	15,866.88	52.11
		For Work In Restricted Working Space, Add	*31.37*	
23 21 16 00-0208		Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainers *(23 21 16 00-0202)*		
		Note: With stainless steel basket.		
23 21 16 00-0209	EA	2" Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	16,611.77	156.10
		For Work In Restricted Working Space, Add	*58.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0210	EA	2-1/2" Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	17,462.24	169.80
		For Work In Restricted Working Space, Add	*63.87*	
23 21 16 00-0211	EA	3" Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	27,372.23	199.08
		For Work In Restricted Working Space, Add	*74.75*	
23 21 16 00-0212	EA	4" Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	33,441.67	295.70
		For Work In Restricted Working Space, Add	*111.17*	
23 21 16 00-0213	EA	6" Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	58,759.40	373.52
		For Work In Restricted Working Space, Add	*140.57*	
23 21 16 00-0214	EA	8" Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	108,609.36	477.28
		For Work In Restricted Working Space, Add	*177.87*	

23 21 16 00-0215 Pressure Regulating Valve *(23 21 16)*

23 21 16 00-0216 Screwed Ends, Iron Body, Water Pressure Reducing Valves *(23 21 16 00-0215)*

Note: For building services, 25 - 75 PSI, up to 300 Lb rating

23 21 16 00-0217	EA	1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	236.54	14.63
		For Work In Restricted Working Space, Add	*17.56*	
23 21 16 00-0218	EA	3/4" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	291.91	16.39
		For Work In Restricted Working Space, Add	*19.51*	
23 21 16 00-0219	EA	1" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	385.18	17.56
		For Work In Restricted Working Space, Add	*20.66*	
23 21 16 00-0220	EA	1-1/4" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	662.74	19.66
		For Work In Restricted Working Space, Add	*23.41*	
23 21 16 00-0221	EA	1-1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	900.22	23.41
		For Work In Restricted Working Space, Add	*28.09*	
23 21 16 00-0222	EA	2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	1,289.50	35.89
		For Work In Restricted Working Space, Add	*43.12*	
23 21 16 00-0223	EA	2-1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	1,402.43	40.42
		For Work In Restricted Working Space, Add	*48.51*	
23 21 16 00-0224	EA	3" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	1,540.87	116.96
		For Work In Restricted Working Space, Add	*53.90*	

23 21 16 00-0225 Cast Iron Body, Steam Pressure Regulator And Reducer *(23 21 16 00-0215)*

Note: Single seated, spring loaded, direct acting diaphragm valve.

23 21 16 00-0226 Screwed Ends, Cast Iron Body, Steam Pressure Regulator And Reducer *(23 21 16 00-0225)*

23 21 16 00-0227	EA	1/2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	399.18	19.67
		For Work In Restricted Working Space, Add	*23.58*	
23 21 16 00-0228	EA	3/4" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	499.36	27.87
		For Work In Restricted Working Space, Add	*33.46*	
23 21 16 00-0229	EA	1" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	642.15	33.96
		For Work In Restricted Working Space, Add	*40.85*	
23 21 16 00-0230	EA	1-1/4" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	860.15	41.22
		For Work In Restricted Working Space, Add	*47.47*	
23 21 16 00-0231	EA	1-1/2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	1,155.95	46.85
		For Work In Restricted Working Space, Add	*54.05*	
23 21 16 00-0232	EA	2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	1,352.28	65.78
		For Work In Restricted Working Space, Add	*65.77*	

23 21 16 00-0233 Flanged, Cast Iron Body, Steam Pressure Regulator And Reducer *(23 21 16 00-0225)*

Note: Single seated, spring loaded, direct acting diaphragm valve.

23 21 16 00-0234	EA	2-1/2" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	3,128.19	158.94
		For Work In Restricted Working Space, Add	*59.79*	
23 21 16 00-0235	EA	3" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	3,890.22	186.36
		For Work In Restricted Working Space, Add	*69.97*	
23 21 16 00-0236	EA	4" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	5,000.62	312.42
		For Work In Restricted Working Space, Add	*117.45*	
23 21 16 00-0237	EA	6" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	12,480.87	380.02
		For Work In Restricted Working Space, Add	*143.02*	

23 21 16 00-0238 Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves *(23 21 16 00-0215)*

23 21 16 00-0239 Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves *(23 21 16 00-0238)*

23 21 16 00-0240	EA	1/2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	2,269.34	14.28
		For Work In Restricted Working Space, Add	*21.43*	
23 21 16 00-0241	EA	3/4" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	2,317.01	14.28
		For Work In Restricted Working Space, Add	*21.43*	
23 21 16 00-0242	EA	1" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	2,468.15	18.03
		For Work In Restricted Working Space, Add	*27.05*	
23 21 16 00-0243	EA	1-1/4" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	2,900.55	22.95
		For Work In Restricted Working Space, Add	*34.43*	
23 21 16 00-0244	EA	1-1/2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	3,320.63	26.47
		For Work In Restricted Working Space, Add	*39.70*	
23 21 16 00-0245	EA	2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	4,117.30	31.15
		For Work In Restricted Working Space, Add	*46.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0246		**Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves** *(23 21 16 00-0238)*		
23 21 16 00-0247	EA	2-1/2" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	5,087.67	158.94
		For Work In Restricted Working Space, Add	*59.79*	
23 21 16 00-0248	EA	3" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	6,276.17	186.36
		For Work In Restricted Working Space, Add	*69.97*	
23 21 16 00-0249	EA	4" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	9,506.22	312.42
		For Work In Restricted Working Space, Add	*117.45*	
23 21 16 00-0250	EA	6" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	20,925.27	380.02
		For Work In Restricted Working Space, Add	*143.02*	
23 21 16 00-0251		**Screwed Ends, Cast Iron Body, Air Pressure Reducing Valves** *(23 21 16 00-0215)*		
23 21 16 00-0252	EA	1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	265.81	15.21
23 21 16 00-0253	EA	3/4" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	329.22	16.85
23 21 16 00-0254	EA	1" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	437.19	17.91
23 21 16 00-0255	EA	1-1/4" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	758.88	20.37
23 21 16 00-0256	EA	1-1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	1,032.81	24.34
23 21 16 00-0257	EA	2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	1,477.90	37.30
23 21 16 00-0258	EA	2-1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	1,601.05	40.63
23 21 16 00-0259	EA	3" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	1,764.69	46.78
23 21 16 00-0260		**Screwed Ends, Bronze Body, Water Pressure Reducing Valves** *(23 21 16 00-0215)* Note: For building services, bronze construction, pressure adjustment, union and strainer, factory set at 45 PSI (Watts 25AUB).		
23 21 16 00-0261	EA	1/2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	216.62	14.63
23 21 16 00-0262	EA	3/4" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	237.95	16.39
23 21 16 00-0263	EA	1" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	297.42	18.14
23 21 16 00-0264	EA	1-1/4" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	717.27	19.66
23 21 16 00-0265	EA	1-1/2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	776.10	23.41
23 21 16 00-0266	EA	2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	1,220.07	35.89
23 21 16 00-0267		**Plastic Pressure Regulator** *(23 21 16 00-0215)*		
23 21 16 00-0268		**Polyvinyl Chloride (PVC) Pressure Regulator Valves** *(23 21 16 00-0267)*		
23 21 16 00-0269	EA	1/4" Polyvinyl Chloride (PVC) Pressure Regulator Valve	272.96	17.56
23 21 16 00-0270	EA	1/2" Polyvinyl Chloride (PVC) Pressure Regulator Valve	302.57	24.34
23 21 16 00-0271	EA	3/4" Polyvinyl Chloride (PVC) Pressure Regulator Valve	536.26	29.27
23 21 16 00-0272	EA	1" Polyvinyl Chloride (PVC) Pressure Regulator Valve	605.54	39.09
23 21 16 00-0273	EA	1-1/2" Polyvinyl Chloride (PVC) Pressure Regulator Valve	715.66	46.83
23 21 16 00-0274	EA	2" Polyvinyl Chloride (PVC) Pressure Regulator Valve	877.85	73.16
23 21 16 00-0275		**Polypropylene Pressure Regulator Valves** *(23 21 16 00-0267)*		
23 21 16 00-0276	EA	1/4" Polypropylene Pressure Regulator Valve	347.60	17.56
23 21 16 00-0277	EA	1/2" Polypropylene Pressure Regulator Valve	426.98	24.59
23 21 16 00-0278	EA	3/4" Polypropylene Pressure Regulator Valve	654.70	29.27
23 21 16 00-0279	EA	1" Polypropylene Pressure Regulator Valve	774.74	39.09
23 21 16 00-0280	EA	1-1/2" Polypropylene Pressure Regulator Valve	904.76	46.83
23 21 16 00-0281	EA	2" Polypropylene Pressure Regulator Valve	1,120.70	73.16
23 21 16 00-0282		**Teflon (PTFE) Pressure Regulator Valves** *(23 21 16 00-0267)*		
23 21 16 00-0283	EA	1/4" Teflon (PTFE) Pressure Regulator Valve	740.74	17.56
23 21 16 00-0284	EA	1/2" Teflon (PTFE) Pressure Regulator Valve	849.97	24.34
23 21 16 00-0285	EA	3/4" Teflon Pressure Regulator Valve	1,432.02	29.27
23 21 16 00-0286	EA	1" Teflon (PTFE) Pressure Regulator Valve	1,979.02	39.09
23 21 16 00-0287	EA	1-1/2" Teflon (PTFE) Pressure Regulator Valve	2,387.73	46.83
23 21 16 00-0288	EA	2" Teflon (PTFE) Pressure Regulator Valve	3,341.17	73.16
23 21 16 00-0289		**Polyvinyl Chloride (PVC), Viton Seals, Pressure Regulator Valves** *(23 21 16 00-0267)*		
23 21 16 00-0290	EA	1/4" Polyvinyl Chloride (PVC), Viton Seals, Pressure Regulator Valve	243.70	17.56
23 21 16 00-0291	EA	1/2" Polyvinyl Chloride (PVC), Viton Seals, Pressure Regulator Valve	279.82	24.34
23 21 16 00-0292	EA	3/4" Polyvinyl Chloride (PVC), Viton Seals, Pressure Regulator Valve	449.46	29.27
23 21 16 00-0293	EA	1" Polyvinyl Chloride (PVC), Viton Seals, Pressure Regulator Valve	534.28	38.98
23 21 16 00-0294	EA	1-1/2" Polyvinyl Chloride (PVC), Viton Seals, Pressure Regulator Valve	621.99	46.83
23 21 16 00-0295		**Dual Unit Reducing And Relief Valve** *(23 21 16)*		
23 21 16 00-0296	EA	1/2" Dual Unit Reducing And Relief Valve	243.77	35.72
23 21 16 00-0297		**Safety Relief Valve** *(23 21 16)* Note: Used in water heater and hot water storage tank applications.		
23 21 16 00-0298		**Threaded Inlet, Bronze Body Safety Valves** *(23 21 16 00-0297)* Note: Variable set points to 150 PSIG pressure, 210 Degree F temperature range.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0299	EA	1/2" x 1/2" Threaded Inlet, Bronze Body Safety Valve	85.89	14.63
23 21 16 00-0300	EA	3/4" x 3/4" Threaded Inlet, Bronze Body Safety Valve	122.00	16.10
23 21 16 00-0301	EA	1" x 1" Threaded Inlet, Bronze Body Safety Valve	178.85	19.60
23 21 16 00-0302	EA	1-1/4" x 1-1/4" Threaded Inlet, Bronze Body Safety Valve	234.56	20.78
23 21 16 00-0303	EA	1-1/2" x 1-1/2" Threaded Inlet, Bronze Body Safety Valve	323.56	27.80
23 21 16 00-0304	EA	2" x 2" Threaded Inlet, Bronze Body Safety Valve	437.31	32.77
23 21 16 00-0305	EA	2-1/2" x 2-1/2" Threaded Inlet, Bronze Body Safety Valve	493.13	40.97

23 21 16 00-0306 Plastic Pressure Relief Valves *(23 21 16 00-0297)*

23 21 16 00-0307 Polyvinyl Chloride (PVC) Pressure Relief Valves *(23 21 16 00-0306)*

23 21 16 00-0308	EA	1/4" Polyvinyl Chloride (PVC) Pressure Relief Valve	224.85	17.56
23 21 16 00-0309	EA	1/2" Polyvinyl Chloride (PVC) Pressure Relief Valve	247.83	24.59
23 21 16 00-0310	EA	3/4" Polyvinyl Chloride (PVC) Pressure Relief Valve	464.94	29.27
23 21 16 00-0311	EA	1" Polyvinyl Chloride (PVC) Pressure Relief Valve	550.80	39.22
23 21 16 00-0312	EA	1-1/2" Polyvinyl Chloride (PVC) Pressure Relief Valve	715.66	46.83
23 21 16 00-0313	EA	2" Polyvinyl Chloride (PVC) Pressure Relief Valve	892.78	73.16

23 21 16 00-0314 Polypropylene Pressure Relief Valves *(23 21 16 00-0306)*

23 21 16 00-0315	EA	1/4" Polypropylene Pressure Relief Valve	258.03	17.56
23 21 16 00-0316	EA	1/2" Polypropylene Pressure Relief Valve	297.59	24.34
23 21 16 00-0317	EA	3/4" Polypropylene Pressure Relief Valve	581.05	29.27
23 21 16 00-0318	EA	1" Polypropylene Pressure Relief Valve	675.21	39.09
23 21 16 00-0319	EA	1-1/2" Polypropylene Pressure Relief Valve	1,188.42	46.83
23 21 16 00-0320	EA	2" Polypropylene Pressure Relief Valve	1,456.77	73.16

23 21 16 00-0321 Teflon (PTFE) Pressure Relief Valves *(23 21 16 00-0306)*

23 21 16 00-0322	EA	1/4" Teflon (PTFE) Pressure Relief Valve	457.08	17.56
23 21 16 00-0323	EA	1/2" Teflon (PTFE) Pressure Relief Valve	504.94	24.34
23 21 16 00-0324	EA	3/4" Teflon (PTFE) Pressure Relief Valve	954.28	29.27
23 21 16 00-0325	EA	1" Teflon (PTFE) Pressure Relief Valve	1,123.08	39.09
23 21 16 00-0326	EA	1-1/2" Teflon (PTFE) Pressure Relief Valve	1,835.35	46.83
23 21 16 00-0327	EA	2" Teflon (PTFE) Pressure Relief Valve	2,369.11	73.16

23 21 16 00-0328 Polyvinyl Chloride (PVC), Vitron Seals, Pressure Relief Valves *(23 21 16 00-0306)*

23 21 16 00-0329	EA	1/2" Polyvinyl Chloride (PVC), Vitron Seals, Pressure Relief Valve	233.99	24.34
23 21 16 00-0330	EA	3/4" Polyvinyl Chloride (PVC), Vitron Seals, Pressure Relief Valve	267.16	29.27
23 21 16 00-0331	EA	1" Polyvinyl Chloride (PVC), Vitron Seals, Pressure Relief Valve	325.67	38.98
23 21 16 00-0332	EA	1-1/2" Polyvinyl Chloride (PVC), Vitron Seals, Pressure Relief Valve	417.28	46.83
23 21 16 00-0333	EA	2" Polyvinyl Chloride (PVC), Vitron Seals, Pressure Relief Valve	529.45	73.16

23 21 16 00-0334 Threaded, Bronze Body, Temperature And Pressure Relief Valves *(23 21 16)*

23 21 16 00-0335	EA	1/2" x 1/2" Threaded, Bronze Body, Temperature And Pressure Relief Valve	99.42	29.85
		For Cast Iron Body, Add	*63.31*	
23 21 16 00-0336	EA	3/4" x 3/4" Threaded, Bronze Body, Temperature And Pressure Relief Valve	129.09	35.82
		For Cast Iron Body, Add	*88.20*	
23 21 16 00-0337	EA	1" x 1" Threaded, Bronze Body, Temperature And Pressure Relief Valve	190.42	47.76
		For Cast Iron Body, Add	*140.48*	
23 21 16 00-0338	EA	1-1/4" x 1-1/4" Threaded, Bronze Body, Temperature And Pressure Relief Valve	322.45	51.16
		For Cast Iron Body, Add	*298.54*	
23 21 16 00-0339	EA	1-1/2" x 1-1/2" Threaded, Bronze Body, Temperature And Pressure Relief Valve	550.48	57.36
		For Cast Iron Body, Add	*571.09*	
23 21 16 00-0340	EA	2" x 2" Threaded, Bronze Body, Temperature And Pressure Relief Valve	632.24	82.46
		For Cast Iron Body, Add	*621.88*	

23 21 16 00-0341 Thermostatic Radiator Valves *(23 21 16)*

Note: For hot water or two pipe low pressure steam.

23 21 16 00-0342	EA	1/2" Straight Thermostatic Radiator Valve (Danfoss 013G8015)	96.92	18.89
23 21 16 00-0343	EA	3/4" Straight Thermostatic Radiator Valve (Danfoss 013G8020)	117.29	25.46
23 21 16 00-0344	EA	1" Straight Thermostatic Radiator Valve (Danfoss 013G8025)	156.98	30.82
23 21 16 00-0345	EA	1-1/4" Straight Thermostatic Radiator Valve (Danfoss 013G8032)	245.83	39.04
23 21 16 00-0346	EA	1/2" Angle Thermostatic Radiator Valve (Danfoss 013G8014)	96.92	18.89
23 21 16 00-0347	EA	3/4" Angle Thermostatic Radiator Valve (Danfoss 013G8019)	117.29	25.46
23 21 16 00-0348	EA	1" Angle Thermostatic Radiator Valve (Danfoss 013G8024)	156.98	30.82
23 21 16 00-0349	EA	1-1/4" Angle Thermostatic Radiator Valve (Danfoss 013G8031)	245.83	39.04
23 21 16 00-0350	EA	Tamper Resistant Valve Mounted Dial And Sensor Thermostatic Operator (Danfoss 013G8240)	100.25	14.63
23 21 16 00-0351	EA	Tamper Resistant Valve Mounted Dial With Remote Sensor Thermostatic Operator (Danfoss 013G2922)	169.72	20.50

23 21 16 00-0352 Radiator Trap Repair Kits *(23 21 16)*

Note: For hot water or two pipe low pressure steam.

23 21 16 00-0353	EA	1/2" Trap (Spirax-Sarco TH-125), Straight, Radiator Trap Repair Kit (Spirax-Sarco SH1031)	155.14	
23 21 16 00-0354	EA	3/4" Trap (Spirax-Sarco TH-125), Straight, Radiator Trap Repair Kit (Spirax-Sarco SH1032)	193.94	
23 21 16 00-0355	EA	1/2" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1026)	197.08	
23 21 16 00-0356	EA	3/4" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1027)	223.91	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0357	EA	1" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1028)	532.40	
23 21 16 00-0358		**Horizontal Steel Expansion Tanks** *(23 21 16)* Note: ASME Code Stamp. 150 PSI with glass gauge and cocks.		
23 21 16 00-0359	EA	10 Gallon Horizontal Steel Expansion Tank	819.83	117.10
23 21 16 00-0360	EA	15 Gallon Horizontal Steel Expansion Tank	1,171.19	146.38
23 21 16 00-0361	EA	30 Gallon Horizontal Steel Expansion Tank	1,544.56	175.66
23 21 16 00-0362	EA	40 Gallon Horizontal Steel Expansion Tank	1,776.30	204.93
23 21 16 00-0363	EA	60 Gallon Horizontal Steel Expansion Tank	2,060.22	207.51
23 21 16 00-0364		**Horizontal Diaphragm Type (Bladder) Steel Expansion Tanks** *(23 21 16)* Note: ASME. Precharged with working pressure 125 psi. Armstrong AX Series.		
23 21 16 00-0365	EA	7.8 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	1,592.24	87.83
23 21 16 00-0366	EA	10.9 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	1,662.67	102.46
23 21 16 00-0367	EA	21.7 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	2,478.94	117.10
23 21 16 00-0368	EA	33.6 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	2,580.86	131.74
23 21 16 00-0369	EA	44.4 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	3,498.83	146.38
23 21 16 00-0370	EA	55.7 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	3,690.34	161.01
23 21 16 00-0371	EA	68.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	4,387.95	175.66
23 21 16 00-0372	EA	77.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	4,695.70	190.29
23 21 16 00-0373	EA	90.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	5,175.37	204.93
23 21 16 00-0374	EA	110.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	5,321.09	234.21
23 21 16 00-0375	EA	132.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	6,675.15	263.48
23 21 16 00-0376	EA	158.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	7,653.87	292.76
23 21 16 00-0377	EA	211.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	8,884.86	351.31
23 21 16 00-0378		**Vertical Diaphragm Type (Bladder) Steel Expansion Tanks (Armstrong AX)** *(23 21 16)* Note: ASME. Precharged with working pressure 125 psi		
23 21 16 00-0379	EA	8.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	1,815.02	87.83
23 21 16 00-0380	EA	11.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	1,873.34	102.46
23 21 16 00-0381	EA	22.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	2,682.35	117.10
23 21 16 00-0382	EA	34.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	2,864.17	131.74
23 21 16 00-0383	EA	44.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	3,641.69	146.38
23 21 16 00-0384	EA	56.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	3,830.78	161.01
23 21 16 00-0385	EA	67.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	4,671.27	175.66
23 21 16 00-0386	EA	77.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	5,049.24	190.29
23 21 16 00-0387	EA	91.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	5,584.61	204.93
23 21 16 00-0388	EA	111.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	5,723.06	234.21
23 21 16 00-0389	EA	132.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	7,040.80	263.48
23 21 16 00-0390	EA	158.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	8,169.65	292.76
23 21 16 00-0391	EA	211.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	9,410.32	351.31
23 21 16 00-0392		**Diaphragm Type (Residential Style) Steel Expansion Tanks** *(23 21 16)*		
23 21 16 00-0393	EA	2.1 Gallon Diaphragm Type (Residential Style) Steel Expansion Tank (Watts DET-5-M1)	106.17	10.78
23 21 16 00-0394	EA	4.5 Gallon Diaphragm Type (Residential Style) Steel Expansion Tank (Watts DET-12-M1)	152.81	10.78
23 21 16 00-0395		**Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tanks** *(23 21 16)*		
23 21 16 00-0396	EA	15 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	1,247.73	351.43
23 21 16 00-0397	EA	20 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	1,303.16	351.43
23 21 16 00-0398	EA	30 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	1,358.58	351.43
23 21 16 00-0399	EA	40 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	1,502.67	351.43
23 21 16 00-0400	EA	47 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	1,786.33	468.29
23 21 16 00-0401	EA	60 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	2,118.08	468.53
23 21 16 00-0402	EA	80 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	2,183.91	468.53
23 21 16 00-0403	EA	87 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	2,249.75	468.53
23 21 16 00-0404	EA	120 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	2,864.66	585.51
23 21 16 00-0405	EA	187 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	8,446.31	585.51
23 21 16 00-0406	EA	264 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	10,750.77	702.38
23 21 16 00-0407		**ASME Construction Compression Tanks** *(23 21 16)* Note: With gauge glass taps, 125 PSI, 240 degree F tanks below are sized by capacity and diameter and height. See CSI section 22 12 00 00-0000 for other tanks.		
23 21 16 00-0408	EA	15 Gallon, 13" x 34-1/2" ASME Construction Compression Tank	1,185.67	206.10
		For Galvanized Steel Tanks, Add	*436.70*	
23 21 16 00-0409	EA	24 Gallon, 13" x 51" ASME Construction Compression Tank	1,208.28	211.96
		For Galvanized Steel Tanks, Add	*443.13*	
23 21 16 00-0410	EA	30 Gallon, 13" x 61-1/2" ASME Construction Compression Tank	1,321.58	218.98
		For Galvanized Steel Tanks, Add	*494.51*	
23 21 16 00-0411	EA	40 Gallon, 16-1/4" x 53" ASME Construction Compression Tank	1,450.03	227.18
		For Galvanized Steel Tanks, Add	*552.29*	
23 21 16 00-0412	EA	60 Gallon, 16-1/4" x 76-1/2" ASME Construction Compression Tank	1,698.79	240.06
		For Galvanized Steel Tanks, Add	*667.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0413	EA	80 Gallon, 20-1/4" x 68" ASME Construction Compression Tank	1,764.90	249.43
		For Galvanized Steel Tanks, Add	*693.58*	
23 21 16 00-0414	EA	100 Gallon, 20-1/4" x 82" ASME Construction Compression Tank	2,196.21	271.68
		For Galvanized Steel Tanks, Add	*892.67*	
23 21 16 00-0415	EA	120 Gallon, 24-1/4" x 71-1/2" ASME Construction Compression Tank	2,394.17	291.59
		For Galvanized Steel Tanks, Add	*976.14*	
23 21 16 00-0416	EA	144 Gallon, 24-1/4" x 83-1/2" ASME Construction Compression Tank	2,988.92	329.06
		For Galvanized Steel Tanks, Add	*1,245.31*	
23 21 16 00-0417	EA	180 Gallon, 30" x 60" ASME Construction Compression Tank	3,807.92	377.07
		For Galvanized Steel Tanks, Add	*1,618.35*	
23 21 16 00-0418	EA	202 Gallon, 30" x 72" ASME Construction Compression Tank	4,571.27	418.05
		For Galvanized Steel Tanks, Add	*1,969.15*	
23 21 16 00-0419	EA	230 Gallon, 30" x 84" ASME Construction Compression Tank	4,999.60	454.35
		For Galvanized Steel Tanks, Add	*2,155.39*	
23 21 16 00-0420	EA	280 Gallon, 30" x 96" ASME Construction Compression Tank	6,337.82	498.85
		For Galvanized Steel Tanks, Add	*2,791.16*	
23 21 16 00-0421	EA	306 Gallon, 30" x 108" ASME Construction Compression Tank	6,533.46	532.82
		For Galvanized Steel Tanks, Add	*2,862.93*	
23 21 16 00-0422	EA	340 Gallon, 36" x 84" ASME Construction Compression Tank	8,452.56	572.63
		For Galvanized Steel Tanks, Add	*3,792.57*	
23 21 16 00-0423	EA	550 Gallon, 36" x 96" ASME Construction Compression Tank	14,159.95	672.16
		For Galvanized Steel Tanks, Add	*6,570.84*	

23 21 16 00-0424 Compression Tank Air Fittings *(23 21 16)*

23 21 16 00-0425	EA	9" To 24" Diameter Compression Tank Air Fittings	324.94	32.78
23 21 16 00-0426	EA	>100 Gallon Compression Tank Air Fittings	1,103.46	38.65

23 21 16 00-0427 Vortex Air Separators With Strainer *(23 21 16)*

Note: Separators are priced by capacity in gallons per minute and by boiler connection sizes and types.

23 21 16 00-0428	EA	2" Threaded, 56 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-2N)	1,914.20	249.43
		For 300 PSIG, Add	*230.47*	
23 21 16 00-0429	EA	2-1/2" Threaded, 90 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-2-1/2N)	2,379.29	285.73
		For 300 PSIG, Add	*291.84*	
23 21 16 00-0430	EA	3" Threaded, 190 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-3N)	3,709.33	336.09
		For 300 PSIG, Add	*480.03*	
23 21 16 00-0431	EA	3" Flanged, 190 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-3F)	3,966.71	355.90
		For 300 PSIG, Add	*514.12*	
23 21 16 00-0432	EA	4" Flanged, 300 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-4F)	5,110.16	474.54
		For 300 PSIG, Add	*658.68*	
23 21 16 00-0433	EA	5" Flanged, 500 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-5F)	6,463.87	564.43
		For 300 PSIG, Add	*841.41*	
23 21 16 00-0434	EA	6" Flanged, 700 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-6F)	7,686.95	639.13
		For 300 PSIG, Add	*1,007.79*	
23 21 16 00-0435	EA	8" Flanged, 1,300 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-8F)	11,144.46	766.75
		For 300 PSIG, Add	*1,497.36*	
23 21 16 00-0436	EA	10" Flanged, 2,000 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-10F)	17,339.65	871.55
		For 300 PSIG, Add	*2,402.87*	
23 21 16 00-0437	EA	12" Flanged, 2,750 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-12F)	23,418.14	1,127.82
		For 300 PSIG, Add	*3,256.38*	
23 21 16 00-0438	EA	14" Flanged, 3400 GPM With Strainer, Vortex Air Separator (Rolairtrol R-14F)	49,373.02	1,369.57
		For 300 PSIG, Add	*7,094.69*	
23 21 16 00-0439	EA	16" Flanged, 4400 GPM With Strainer, Vortex Air Separator (Rolairtrol R-16F)	60,981.22	1,643.48
		For 300 PSIG, Add	*8,773.66*	
23 21 16 00-0440	EA	18" Flanged, 5200 GPM With Strainer, Vortex Air Separator (Rolairtrol R-16F)	79,701.15	1,917.40
		For 300 PSIG, Add	*11,519.40*	
23 21 16 00-0441	EA	20" Flanged, 6300 GPM With Strainer, Vortex Air Separator (Rolairtrol R-20F)	93,284.62	2,191.31
		For 300 PSIG, Add	*13,494.67*	

23 21 16 00-0442 Vortex Air Separators *(23 21 16)*

Note: Without system strainer.

23 21 16 00-0443	EA	2" Threaded, 56 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-2N)	1,614.19	249.43
		For 300 PSIG, Add	*185.47*	
23 21 16 00-0444	EA	2-1/2" Threaded, 90 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-2-1/2N)	2,052.00	285.73
		For 300 PSIG, Add	*242.74*	
23 21 16 00-0445	EA	3" Threaded, 190 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-3N)	3,627.50	336.09
		For 300 PSIG, Add	*467.75*	
23 21 16 00-0446	EA	3" Flanged, 190 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-3F)	3,248.49	355.90
		For 300 PSIG, Add	*406.39*	
23 21 16 00-0447	EA	4" Flanged, 300 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-4F)	4,355.57	474.54
		For 300 PSIG, Add	*545.49*	
23 21 16 00-0448	EA	5" Flanged, 530 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-5F)	5,672.91	564.43
		For 300 PSIG, Add	*722.77*	
23 21 16 00-0449	EA	6" Flanged, 850 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-6F)	6,614.16	639.13
		For 300 PSIG, Add	*846.87*	
23 21 16 00-0450	EA	8" Flanged, 1,900 GPM Vortex Air Separator (Rolairtrol RL-8F)	8,853.42	766.75
		For 300 PSIG, Add	*1,153.70*	
23 21 16 00-0451	EA	10" Flanged, 3,600 GPM Vortex Air Separator (Rolairtrol RL-10F)	12,439.36	871.55
		For 300 PSIG, Add	*1,667.82*	
23 21 16 00-0452	EA	12" Flanged, 4,800 GPM Vortex Air Separator (Rolairtrol RL-12F)	19,300.85	1,127.82
		For 300 PSIG, Add	*2,638.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0453	EA	14" Flanged, 6,100 GPM Vortex Air Separator (Rolairtrol RL-14F)	33,193.04	1,369.57
		For 300 PSIG, Add	*4,667.69*	
23 21 16 00-0454	EA	16" Flanged, 8,000 GPM Vortex Air Separator (Rolairtrol RL-16F)	42,107.70	1,643.48
		For 300 PSIG, Add	*5,942.64*	
23 21 16 00-0455	EA	18" Flanged, 9,700 GPM Vortex Air Separator (Rolairtrol RL-16F)	56,469.31	1,917.40
		For 300 PSIG, Add	*8,034.62*	
23 21 16 00-0456	EA	20" Flanged, 12,000 GPM Vortex Air Separator (Rolairtrol RL-20F)	77,486.22	2,191.31
		For 300 PSIG, Add	*11,124.91*	
23 21 16 00-0457	EA	22" Flanged, 15,000 GPM Vortex Air Separator (Rolairtrol RL-22F)	95,022.09	2,465.23
		For 300 PSIG, Add	*13,693.04*	
23 21 16 00-0458	EA	24" Flanged, 17,000 GPM Vortex Air Separator (Rolairtrol RL-24F)	112,557.95	2,739.13
		For 300 PSIG, Add	*16,261.16*	

23 21 16 00-0459 Grooved, With Strainer, Vortex Air Separators *(23 21 16)*

23 21 16 00-0460	EA	3" Grooved, 190 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-3G)	3,495.22	284.72
23 21 16 00-0461	EA	4" Grooved, 300 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-4G)	4,966.00	379.39
23 21 16 00-0462	EA	5" Grooved, 500 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-5G)	6,292.96	451.12
23 21 16 00-0463	EA	6" Grooved, 700 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-6G)	7,493.20	511.31
23 21 16 00-0464	EA	8" Grooved, 1,300 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-8G)	10,893.86	613.57
23 21 16 00-0465	EA	10" Grooved, 2,000 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-10G)	17,784.64	697.24
23 21 16 00-0466	EA	12" Grooved, 2,750 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-12G)	27,172.83	902.36

23 21 16 00-0467 Grooved Vortex Air Separators *(23 21 16)*

Note: Without system strainer.

23 21 16 00-0468	EA	3" Grooved, 190 GPM Vortex Air Separator (Rolairtrol RL-3G)	2,749.72	284.72
23 21 16 00-0469	EA	4" Grooved, 300 GPM Vortex Air Separator (Rolairtrol RL-4G)	4,211.41	379.39
23 21 16 00-0470	EA	5" Grooved, 530 GPM Vortex Air Separator (Rolairtrol RL-5G)	5,502.00	451.12
23 21 16 00-0471	EA	6" Grooved, 850 GPM Vortex Air Separator (Rolairtrol RL-6G)	6,420.41	511.31
23 21 16 00-0472	EA	8" Grooved, 1,900 GPM Vortex Air Separator (Rolairtrol RL-8G)	8,621.00	613.57
23 21 16 00-0473	EA	10" Grooved, 3,600 GPM Vortex Air Separator (Rolairtrol RL-10G)	12,811.62	697.24
23 21 16 00-0474	EA	12" Grooved, 4,800 GPM Vortex Air Separator (Rolairtrol RL-12G)	21,437.82	902.36

23 21 16 00-0475 Swivel Joints *(23 21 16)*

23 21 16 00-0476 Carbon Steel, Straight Through Swivel Joint (Dixon Style 20) *(23 21 16 00-0475)*

Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.

23 21 16 00-0477	EA	1" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	360.13	30.80
23 21 16 00-0478	EA	1-1/2" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	517.47	45.08
23 21 16 00-0479	EA	2" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	725.49	52.70
23 21 16 00-0480	EA	3" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	1,082.09	90.17
23 21 16 00-0481	EA	4" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	1,371.96	102.46
		For Stainless Steel, Add	*1,750.55*	
23 21 16 00-0482	EA	2" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	1,010.78	156.10
		For Stainless Steel, Add	*1,223.42*	
23 21 16 00-0483	EA	3" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	1,365.93	124.54
23 21 16 00-0484	EA	4" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	1,739.05	333.74
23 21 16 00-0485	EA	6" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	3,227.87	421.57

23 21 16 00-0486 Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30) *(23 21 16 00-0475)*

Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.

23 21 16 00-0487	EA	1" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	458.31	30.80
		For Stainless Steel, Add	*595.02*	
23 21 16 00-0488	EA	1-1/2" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	563.84	45.08
		For Stainless Steel, Add	*710.64*	
23 21 16 00-0489	EA	2" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	759.89	52.70
		For Stainless Steel, Add	*980.16*	
23 21 16 00-0490	EA	3" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	1,221.21	90.17
		For Stainless Steel, Add	*1,561.58*	
23 21 16 00-0491	EA	4" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	1,599.18	102.46
		For Stainless Steel, Add	*2,091.38*	
23 21 16 00-0492	EA	2" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	1,042.22	156.10
		For Stainless Steel, Add	*1,270.58*	
23 21 16 00-0493	EA	3" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	1,546.02	124.54
		For Stainless Steel, Add	*1,945.31*	
23 21 16 00-0494	EA	4" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	1,946.95	333.74
		For Stainless Steel, Add	*2,293.08*	
23 21 16 00-0495	EA	6" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	3,371.44	421.57
		For Stainless Steel, Add	*4,263.89*	

23 21 16 00-0496 Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40) *(23 21 16 00-0475)*

Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.

23 21 16 00-0497	EA	1" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	539.33	30.80
		For Stainless Steel, Add	*716.55*	
23 21 16 00-0498	EA	1-1/2" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	625.67	45.08
		For Stainless Steel, Add	*803.39*	
23 21 16 00-0499	EA	2" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	915.30	52.70
		For Stainless Steel, Add	*1,213.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0500	EA	3" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	1,408.24	90.17
		For Stainless Steel, Add	*1,842.12*	
23 21 16 00-0501	EA	4" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	1,661.01	102.46
		For Stainless Steel, Add	*2,184.12*	
23 21 16 00-0502	EA	2" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	1,196.80	156.10
		For Stainless Steel, Add	*1,502.45*	
23 21 16 00-0503	EA	3" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	1,737.68	124.54
		For Stainless Steel, Add	*2,232.80*	
23 21 16 00-0504	EA	4" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	2,144.80	333.74
		For Stainless Steel, Add	*2,589.86*	
23 21 16 00-0505	EA	6" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	3,796.51	421.57
		For Stainless Steel, Add	*4,901.49*	

23 21 16 00-0506 Ball Joints *(23 21 16)*

23 21 16 00-0507	EA	1" Steel Threaded Ball Joint (Hyspan BB-33004-16-11)	1,200.80	
23 21 16 00-0508	EA	2" Steel Threaded Ball Joint (Hyspan BB-33001-32-11)	1,750.07	
23 21 16 00-0509	EA	3" Steel Threaded Ball Joint (Hyspan BB-41533-48-21)	3,010.71	
23 21 16 00-0510	EA	8" Steel Welding Type Ball Joint (Hyspan BB-41533-68-21)	9,505.61	
23 21 16 00-0511	EA	10" Steel Welding Type Ball Joint (Hyspan BB-41533-70-21)	11,092.33	
23 21 16 00-0512	EA	3" Steel Flanged Ball Joint (Hyspan BB-41533-48-21)	2,817.64	183.25
23 21 16 00-0513	EA	4" Steel Flanged Ball Joint (Hyspan BB-41533-64-21)	4,362.84	307.20
23 21 16 00-0514	EA	6" Steel Flanged Ball Joint (Hyspan BB-31533-66-11)	5,242.11	380.02
23 21 16 00-0515	EA	8" Steel Flanged Ball Joint (Hyspan BB-41533-68-21)	8,722.89	485.58
23 21 16 00-0516	EA	10" Steel Flanged Ball Joint (Hyspan BB-31533-70-11)	10,226.68	591.14
23 21 16 00-0517	EA	4" Stainless Steel Flanged Ball Joint (Hyspan BB-31524-64)	17,008.70	307.20
23 21 16 00-0518	EA	6" Stainless Ball Flanged Joint (Hyspan BB-31524-66-24)	25,687.83	380.02
23 21 16 00-0519	EA	6" Carbon Steel Flanged Ball Joint (Hyspan BB-41528-66-21)	7,757.84	380.02
23 21 16 00-0520	EA	8" Carbon Steel Flanged Ball Joint (Hyspan BB-41528-68-21)	9,988.82	485.58
23 21 16 00-0521	EA	12" Carbon Steel Flanged Ball Joint (Hyspan BB-41533-72-21)	17,315.13	

23 21 16 00-0522 Basket Strainers *(23 21 16)*

23 21 16 00-0523 Bronze Body Basket Strainers *(23 21 16 00-0522)*

23 21 16 00-0524 Screwed Ends, Bronze Body Basket Strainers *(23 21 16 00-0523)*

23 21 16 00-0525	EA	1/2" Screwed Ends, Bronze Body Basket Strainer	336.86	23.42
		For Work In Restricted Working Space, Add	*13.94*	
23 21 16 00-0526	EA	3/4" Screwed Ends, Bronze Body Basket Strainer	398.13	27.52
		For Work In Restricted Working Space, Add	*16.38*	
23 21 16 00-0527	EA	1" Screwed Ends, Bronze Body Basket Strainer	461.73	32.78
		For Work In Restricted Working Space, Add	*19.52*	
23 21 16 00-0528	EA	1-1/4" Screwed Ends, Bronze Body Basket Strainer	575.49	36.30
		For Work In Restricted Working Space, Add	*21.76*	
23 21 16 00-0529	EA	1-1/2" Screwed Ends, Bronze Body Basket Strainer	679.75	40.98
		For Work In Restricted Working Space, Add	*24.57*	
23 21 16 00-0530	EA	2" Screwed Ends, Bronze Body Basket Strainer	1,014.29	46.85
		For Work In Restricted Working Space, Add	*28.13*	
23 21 16 00-0531	EA	2-1/2" Screwed Ends, Bronze Body Basket Strainer	1,435.21	62.65
		For Work In Restricted Working Space, Add	*37.68*	
23 21 16 00-0532	EA	3" Screwed Ends, Bronze Body Basket Strainer	2,021.70	66.75
		For Work In Restricted Working Space, Add	*39.97*	

23 21 16 00-0533 Flanged, Bronze Body Basket Strainers *(23 21 16 00-0523)*

23 21 16 00-0534	EA	2" Flanged, Bronze Body Basket Strainer	1,590.17	156.10
		For Work In Restricted Working Space, Add	*58.55*	
23 21 16 00-0535	EA	2-1/2" Flanged, Bronze Body Basket Strainer	2,395.57	169.80
		For Work In Restricted Working Space, Add	*63.87*	
23 21 16 00-0536	EA	3" Flanged, Bronze Body Basket Strainer	2,716.50	199.08
		For Work In Restricted Working Space, Add	*74.75*	
23 21 16 00-0537	EA	4" Flanged, Bronze Body Basket Strainer	4,593.75	333.74
		For Work In Restricted Working Space, Add	*125.47*	
23 21 16 00-0538	EA	6" Flanged, Bronze Body Basket Strainer	8,724.72	373.52
		For Work In Restricted Working Space, Add	*140.57*	
23 21 16 00-0539	EA	8" Flanged, Bronze Body Basket Strainer	15,918.96	477.28
		For Work In Restricted Working Space, Add	*177.87*	

23 21 16 00-0540 Iron Body Basket Strainers *(23 21 16 00-0522)*

23 21 16 00-0541 Screwed Ends, Iron Body Basket Strainers *(23 21 16 00-0540)*

23 21 16 00-0542	EA	1/2" Screwed Ends, Iron Body Basket Strainer	387.23	23.42
		For Work In Restricted Working Space, Add	*13.94*	
23 21 16 00-0543	EA	3/4" Screwed Ends, Iron Body Basket Strainer	436.00	27.52
		For Work In Restricted Working Space, Add	*16.38*	
23 21 16 00-0544	EA	1" Screwed Ends, Iron Body Basket Strainer	515.24	32.78
		For Work In Restricted Working Space, Add	*19.52*	
23 21 16 00-0545	EA	1-1/4" Screwed Ends, Iron Body Basket Strainer	675.89	36.30
		For Work In Restricted Working Space, Add	*21.76*	
23 21 16 00-0546	EA	1-1/2" Screwed Ends, Iron Body Basket Strainer	741.52	40.98
		For Work In Restricted Working Space, Add	*24.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0547	EA	2" Screwed Ends, Iron Body Basket Strainer	881.59	46.85
		For Work In Restricted Working Space, Add	*28.13*	
23 21 16 00-0548	EA	2-1/2" Screwed Ends, Iron Body Basket Strainer	1,251.05	62.65
		For Work In Restricted Working Space, Add	*37.68*	
23 21 16 00-0549	EA	3" Screwed Ends, Iron Body Basket Strainer	1,414.97	66.75
		For Work In Restricted Working Space, Add	*39.97*	

23 21 16 00-0550 Flanged, Iron Body Basket Strainers *(23 21 16 00-0540)*

23 21 16 00-0551	EA	2" Flanged, Iron Body Basket Strainer	1,694.97	156.10
		For Work In Restricted Working Space, Add	*58.55*	
23 21 16 00-0552	EA	2-1/2" Flanged, Iron Body Basket Strainer	2,234.38	169.80
		For Work In Restricted Working Space, Add	*63.87*	
23 21 16 00-0553	EA	3" Flanged, Iron Body Basket Strainer	2,401.03	199.08
		For Work In Restricted Working Space, Add	*74.75*	
23 21 16 00-0554	EA	4" Flanged, Iron Body Basket Strainer	3,656.92	333.74
		For Work In Restricted Working Space, Add	*125.47*	
23 21 16 00-0555	EA	6" Flanged, Iron Body Basket Strainer	6,772.07	373.52
		For Work In Restricted Working Space, Add	*140.57*	
23 21 16 00-0556	EA	8" Flanged, Iron Body Basket Strainer	12,221.76	477.28
		For Work In Restricted Working Space, Add	*177.87*	
23 21 16 00-0557	EA	10" Flanged, Iron Body Basket Strainer	18,223.92	581.03
		For Work In Restricted Working Space, Add	*217.88*	
23 21 16 00-0558	EA	12" Flanged, Iron Body Basket Strainer	22,222.95	732.52
		For Work In Restricted Working Space, Add	*439.46*	
23 21 16 00-0559	EA	14" Flanged, Iron Body Basket Strainer	27,229.67	830.05
		For Work In Restricted Working Space, Add	*311.27*	
23 21 16 00-0560	EA	16" Flanged, Iron Body Basket Strainer	28,528.92	913.04
		For Work In Restricted Working Space, Add	*342.39*	

23 21 16 00-0561 Cast Steel Body Basket Strainers *(23 21 16 00-0522)*

23 21 16 00-0562 Screwed Ends, Cast Steel Body Basket Strainers *(23 21 16 00-0561)*

23 21 16 00-0563	EA	1" Screwed Ends, Cast Steel Body Basket Strainer	1,342.94	32.78
		For Work In Restricted Working Space, Add	*19.52*	
23 21 16 00-0564	EA	1-1/4" Screwed Ends, Cast Steel Body Basket Strainer	1,778.19	36.30
		For Work In Restricted Working Space, Add	*21.76*	
23 21 16 00-0565	EA	1-1/2" Screwed Ends, Cast Steel Body Basket Strainer	2,004.11	40.98
		For Work In Restricted Working Space, Add	*24.56*	
23 21 16 00-0566	EA	2" Screwed Ends, Cast Steel Body Basket Strainer	2,828.22	46.85
		For Work In Restricted Working Space, Add	*28.13*	
23 21 16 00-0567	EA	2-1/2" Screwed Ends, Cast Steel Body Basket Strainer	3,970.07	62.65
		For Work In Restricted Working Space, Add	*37.68*	
23 21 16 00-0568	EA	3" Screwed Ends, Cast Steel Body Basket Strainer	5,168.97	66.75
		For Work In Restricted Working Space, Add	*39.98*	

23 21 16 00-0569 Flanged, Cast Steel Body Basket Strainers *(23 21 16 00-0561)*

23 21 16 00-0570	EA	2" Flanged, Cast Steel Body Basket Strainer	4,175.01	156.10
		For Work In Restricted Working Space, Add	*58.55*	
23 21 16 00-0571	EA	2-1/2" Flanged, Cast Steel Body Basket Strainer	6,033.77	169.80
		For Work In Restricted Working Space, Add	*63.87*	
23 21 16 00-0572	EA	3" Flanged, Cast Steel Body Basket Strainer	6,611.49	199.08
		For Work In Restricted Working Space, Add	*74.75*	
23 21 16 00-0573	EA	4" Flanged, Cast Steel Body Basket Strainer	9,352.58	333.74
		For Work In Restricted Working Space, Add	*125.47*	
23 21 16 00-0574	EA	6" Flanged, Cast Steel Body Basket Strainer	16,577.47	373.52
		For Work In Restricted Working Space, Add	*140.57*	
23 21 16 00-0575	EA	8" Flanged, Cast Steel Body Basket Strainer	26,989.82	477.28
		For Work In Restricted Working Space, Add	*177.87*	

23 21 16 00-0576 Stainless Steel Body Basket Strainers *(23 21 16 00-0522)*

23 21 16 00-0577 Screwed Ends, Stainless Steel Body Basket Strainers *(23 21 16 00-0576)*

23 21 16 00-0578	EA	1" Screwed Ends, Stainless Steel Body Basket Strainer	582.86	32.78
		For Work In Restricted Working Space, Add	*19.52*	
23 21 16 00-0579	EA	1-1/4" Screwed Ends, Stainless Steel Body Basket Strainer	838.99	36.30
		For Work In Restricted Working Space, Add	*21.76*	
23 21 16 00-0580	EA	1-1/2" Screwed Ends, Stainless Steel Body Basket Strainer	866.26	40.98
		For Work In Restricted Working Space, Add	*24.56*	
23 21 16 00-0581	EA	2" Screwed Ends, Stainless Steel Body Basket Strainer	1,280.61	46.85
		For Work In Restricted Working Space, Add	*28.13*	
23 21 16 00-0582	EA	2-1/2" Screwed Ends, Stainless Steel Body Basket Strainer	1,809.72	62.65
		For Work In Restricted Working Space, Add	*37.68*	
23 21 16 00-0583	EA	3" Screwed Ends, Stainless Steel Body Basket Strainer	2,555.63	66.75
		For Work In Restricted Working Space, Add	*39.98*	

23 21 16 00-0584 Flanged, Stainless Steel Body Basket Strainers *(23 21 16 00-0576)*

23 21 16 00-0585	EA	2" Flanged, Stainless Steel Body Basket Strainer	1,961.33	156.10
		For Work In Restricted Working Space, Add	*58.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0586	EA	2-1/2" Flanged, Stainless Steel Body Basket Strainer	2,963.40	169.80
		For Work In Restricted Working Space, Add	*63.87*	
23 21 16 00-0587	EA	3" Flanged, Stainless Steel Body Basket Strainer	3,355.95	199.08
		For Work In Restricted Working Space, Add	*74.75*	
23 21 16 00-0588	EA	4" Flanged, Stainless Steel Body Basket Strainer	5,673.13	333.74
		For Work In Restricted Working Space, Add	*125.47*	
23 21 16 00-0589	EA	6" Flanged, Stainless Steel Body Basket Strainer	8,671.34	373.52
		For Work In Restricted Working Space, Add	*140.57*	
23 21 16 00-0590	EA	8" Flanged, Stainless Steel Body Basket Strainer	15,050.27	477.28
		For Work In Restricted Working Space, Add	*177.87*	

23 21 16 00-0591 Plastic Basket Strainers *(23 21 16 00-0522)*

23 21 16 00-0592 Screwed Or Socket Ends, Simplex, Plastic Basket Strainers *(23 21 16 00-0591)*

23 21 16 00-0593 Screwed Or Socket Ends, Simplex, Polyvinyl Chloride (PVC) Basket Strainers *(23 21 16 00-0592)*

23 21 16 00-0594	EA	1/2" Screwed Or Socket Ends, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	374.63	16.40
		For Work In Restricted Working Space, Add	*13.94*	
23 21 16 00-0595	EA	3/4" Screwed Or Socket Ends, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	382.76	19.09
		For Work In Restricted Working Space, Add	*16.38*	
23 21 16 00-0596	EA	1" Screwed Or Socket Ends, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	393.22	22.72
		For Work In Restricted Working Space, Add	*19.52*	
23 21 16 00-0597	EA	1-1/2" Screwed Or Socket Ends, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	645.95	28.69
		For Work In Restricted Working Space, Add	*24.56*	
23 21 16 00-0598	EA	2" Screwed Or Socket Ends, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	668.50	32.78
		For Work In Restricted Working Space, Add	*28.13*	
23 21 16 00-0599	EA	3" Screwed Or Socket Ends, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	1,435.26	46.85
		For Work In Restricted Working Space, Add	*39.98*	
23 21 16 00-0600	EA	4" Screwed Or Socket Ends, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	1,899.80	61.48
		For Work In Restricted Working Space, Add	*52.69*	

23 21 16 00-0601 Screwed Or Socket Ends, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainers *(23 21 16 00-0592)*

23 21 16 00-0602	EA	1/2" Screwed Or Socket Ends, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	497.07	16.40
		For Work In Restricted Working Space, Add	*13.94*	
23 21 16 00-0603	EA	3/4" Screwed Or Socket Ends, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	505.20	19.09
		For Work In Restricted Working Space, Add	*16.38*	
23 21 16 00-0604	EA	1" Screwed Or Socket Ends, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	515.66	22.72
		For Work In Restricted Working Space, Add	*19.52*	
23 21 16 00-0605	EA	1-1/2" Screwed Or Socket Ends, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	884.17	28.69
		For Work In Restricted Working Space, Add	*24.56*	
23 21 16 00-0606	EA	2" Screwed Or Socket Ends, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	911.77	32.78
		For Work In Restricted Working Space, Add	*28.13*	
23 21 16 00-0607	EA	3" Screwed Or Socket Ends, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	423.71	46.85
		For Work In Restricted Working Space, Add	*39.98*	
23 21 16 00-0608	EA	4" Screwed Or Socket Ends, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	2,439.63	61.48
		For Work In Restricted Working Space, Add	*52.69*	

23 21 16 00-0609 Flanged, Simplex, Plastic Basket Strainers *(23 21 16 00-0591)*

23 21 16 00-0610 Flanged, Simplex, Polyvinyl Chloride (PVC) Basket Strainers *(23 21 16 00-0609)*

23 21 16 00-0611	EA	1" Flanged, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	580.93	102.46
		For Work In Restricted Working Space, Add	*61.46*	
23 21 16 00-0612	EA	1-1/2" Flanged, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	906.50	117.10
		For Work In Restricted Working Space, Add	*70.26*	
23 21 16 00-0613	EA	2" Flanged, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	957.54	136.43
		For Work In Restricted Working Space, Add	*81.85*	
23 21 16 00-0614	EA	3" Flanged, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	1,811.91	199.08
		For Work In Restricted Working Space, Add	*74.75*	
23 21 16 00-0615	EA	4" Flanged, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	2,456.38	333.74
		For Work In Restricted Working Space, Add	*125.47*	
23 21 16 00-0616	EA	6" Flanged, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	4,876.56	421.57
		For Work In Restricted Working Space, Add	*158.66*	
23 21 16 00-0617	EA	8" Flanged, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	6,398.69	538.67
		For Work In Restricted Working Space, Add	*200.75*	

23 21 16 00-0618 Flanged, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainers *(23 21 16 00-0609)*

23 21 16 00-0619	EA	1-1/2" Flanged, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	1,136.99	117.10
		For Work In Restricted Working Space, Add	*70.26*	
23 21 16 00-0620	EA	2" Flanged, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	1,194.45	136.43
		For Work In Restricted Working Space, Add	*81.85*	
23 21 16 00-0621	EA	3" Flanged, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	2,431.52	199.08
		For Work In Restricted Working Space, Add	*74.75*	
23 21 16 00-0622	EA	4" Flanged, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	3,092.03	333.74
		For Work In Restricted Working Space, Add	*125.47*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0623		Screwed Or Socket Ends, Duplex, Plastic Basket Strainers *(23 21 16 00-0591)*		
23 21 16 00-0624		Screwed Or Socket Ends, Duplex, Polyvinyl Chloride (PVC) Basket Strainers *(23 21 16 00-0623)*		
23 21 16 00-0625	EA	1/2" Screwed Or Socket Ends, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	1,603.91	16.40
		For Work In Restricted Working Space, Add	*13.94*	
23 21 16 00-0626	EA	3/4" Screwed Or Socket Ends, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	1,612.04	19.09
		For Work In Restricted Working Space, Add	*16.38*	
23 21 16 00-0627	EA	1" Screwed Or Socket Ends, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	1,622.50	22.72
		For Work In Restricted Working Space, Add	*19.52*	
23 21 16 00-0628	EA	1-1/2" Screwed Or Socket Ends, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	2,506.72	28.69
		For Work In Restricted Working Space, Add	*24.56*	
23 21 16 00-0629	EA	2" Screwed Or Socket Ends, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	2,518.62	32.78
		For Work In Restricted Working Space, Add	*28.13*	
23 21 16 00-0630	EA	3" Screwed Or Socket Ends, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	5,609.12	46.85
		For Work In Restricted Working Space, Add	*39.98*	
23 21 16 00-0631	EA	4" Screwed Or Socket Ends, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	7,398.74	61.48
		For Work In Restricted Working Space, Add	*52.69*	
23 21 16 00-0632		Screwed Or Socket Ends, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainers *(23 21 16 00-0623)*		
23 21 16 00-0633	EA	1/2" Screwed Or Socket Ends, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	2,111.09	16.40
		For Work In Restricted Working Space, Add	*13.94*	
23 21 16 00-0634	EA	3/4" Screwed Or Socket Ends, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	2,119.22	19.09
		For Work In Restricted Working Space, Add	*16.38*	
23 21 16 00-0635	EA	1" Screwed Or Socket Ends, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	2,129.68	22.72
		For Work In Restricted Working Space, Add	*19.52*	
23 21 16 00-0636	EA	1-1/2" Screwed Or Socket Ends, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	3,302.04	28.69
		For Work In Restricted Working Space, Add	*24.56*	
23 21 16 00-0637	EA	2" Screwed Or Socket Ends, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	3,313.94	32.78
		For Work In Restricted Working Space, Add	*28.13*	
23 21 16 00-0638	EA	3" Screwed Or Socket Ends, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	6,449.56	46.85
		For Work In Restricted Working Space, Add	*39.98*	
23 21 16 00-0639	EA	4" Screwed Or Socket Ends, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	9,691.69	61.48
		For Work In Restricted Working Space, Add	*52.69*	
23 21 16 00-0640		Flanged, Duplex, Plastic Basket Strainers *(23 21 16 00-0591)*		
23 21 16 00-0641		Flanged, Duplex, Polyvinyl Chloride (PVC) Basket Strainers *(23 21 16 00-0640)*		
23 21 16 00-0642	EA	1/2" Flanged, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	1,680.76	43.91
		For Work In Restricted Working Space, Add	*26.35*	
23 21 16 00-0643	EA	3/4" Flanged, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	1,710.02	58.55
		For Work In Restricted Working Space, Add	*35.13*	
23 21 16 00-0644	EA	1" Flanged, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	1,797.79	102.46
		For Work In Restricted Working Space, Add	*61.46*	
23 21 16 00-0645	EA	1-1/2" Flanged, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	2,751.30	117.10
		For Work In Restricted Working Space, Add	*70.26*	
23 21 16 00-0646	EA	2" Flanged, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	2,789.92	136.43
		For Work In Restricted Working Space, Add	*81.85*	
23 21 16 00-0647	EA	3" Flanged, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	5,920.15	199.08
		For Work In Restricted Working Space, Add	*74.75*	
23 21 16 00-0648	EA	4" Flanged, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	7,887.91	333.74
		For Work In Restricted Working Space, Add	*125.47*	
23 21 16 00-0649		Flanged, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainers *(23 21 16 00-0640)*		
23 21 16 00-0650	EA	1/2" Flanged, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	2,196.39	43.91
		For Work In Restricted Working Space, Add	*26.34*	
23 21 16 00-0651	EA	3/4" Flanged, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	2,225.64	58.55
		For Work In Restricted Working Space, Add	*35.12*	
23 21 16 00-0652	EA	1" Flanged, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	2,313.45	102.46
		For Work In Restricted Working Space, Add	*61.46*	
23 21 16 00-0653	EA	1-1/2" Flanged, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	3,570.57	117.10
		For Work In Restricted Working Space, Add	*70.26*	
23 21 16 00-0654	EA	2" Flanged, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	3,609.19	136.43
		For Work In Restricted Working Space, Add	*81.85*	
23 21 16 00-0655	EA	3" Flanged, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	7,937.68	199.08
		For Work In Restricted Working Space, Add	*74.75*	
23 21 16 00-0656	EA	4" Flanged, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	10,347.23	333.74
		For Work In Restricted Working Space, Add	*125.47*	
23 21 16 00-0657		Plastic Strainer Baskets *(23 21 16 00-0591)*		
23 21 16 00-0658		Polyvinyl Chloride (PVC) Strainer Baskets *(23 21 16 00-0657)*		
23 21 16 00-0659	EA	1/2", 3/4" Or 1" Polyvinyl Chloride (PVC) Strainer Basket	138.54	
23 21 16 00-0660	EA	1-1/2", Or 2" Polyvinyl Chloride (PVC) Strainer Basket	169.93	
23 21 16 00-0661	EA	3" Polyvinyl Chloride (PVC) Strainer Basket	381.38	
23 21 16 00-0662	EA	4" Polyvinyl Chloride (PVC) Strainer Basket	432.82	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 21 16 00-0663 Chlorinated Polyvinyl Chloride (CPVC) Strainer Baskets *(23 21 16 00-0657)*

23 21 16 00-0664	EA	1/2", 3/4" Or 1" Chlorinated Polyvinyl Chloride (CPVC) Strainer Basket	180.56	
23 21 16 00-0665	EA	1-1/2" Or 2" Chlorinated Polyvinyl Chloride (CPVC) Strainer Basket	226.09	
23 21 16 00-0666	EA	3" Chlorinated Polyvinyl Chloride (CPVC) Strainer Basket	502.42	
23 21 16 00-0667	EA	4" Chlorinated Polyvinyl Chloride (CPVC) Strainer Basket	557.37	

23 21 23 Hydronic Pumps *(23 21)*

23 21 23 13 In-Line Centrifugal Hydronic Pumps *(23 21 23)*

23 21 23 13-0001 Cast Iron Single Stage In-Line Centrifugal Pump *(23 21 23 13)*

Note: For general service, 125 LB flanged, 3550 RPM TEFC motor. Includes packed stuffing boxes and ductile iron case.

23 21 23 13-0002	EA	3 HP, 50 GPM At 100' Head, Single Stage Cast Iron In-Line Circulating Pump	6,376.77	312.76
		For Mechanical Seal, Add	*435.12*	
		For Cast Steel Case, Add	*979.01*	
23 21 23 13-0003	EA	5 HP, 75 GPM At 100' Head, Single Stage Cast Iron In-Line Circulating Pump	6,965.94	378.55
		For Mechanical Seal, Add	*466.46*	
		For Cast Steel Case, Add	*1,049.52*	
23 21 23 13-0004	EA	7-1/2 HP, 100 GPM At 150' Head, Single Stage Cast Iron In-Line Circulating Pump	8,052.65	449.73
		For Mechanical Seal, Add	*536.36*	
		For Cast Steel Case, Add	*1,206.82*	
23 21 23 13-0005	EA	10 HP, 125 GPM At 150' Head, Single Stage Cast Iron In-Line Circulating Pump	9,027.09	599.64
		For Mechanical Seal, Add	*578.37*	
		For Cast Steel Case, Add	*1,301.33*	
23 21 23 13-0006	EA	15 HP, 150 GPM At 200' Head, Single Stage Cast Iron In-Line Circulating Pump	10,345.96	653.56
		For Mechanical Seal, Add	*670.81*	
		For Cast Steel Case, Add	*1,509.31*	
23 21 23 13-0007	EA	30 HP, 200 GPM At 300' Head, Single Stage Cast Iron In-Line Circulating Pump	15,445.53	719.35
		For Mechanical Seal, Add	*1,063.08*	
		For Cast Steel Case, Add	*2,391.94*	
23 21 23 13-0008	EA	40 HP, 250 GPM At 300' Head, Single Stage Cast Iron In-Line Circulating Pump	18,154.12	898.39
		For Mechanical Seal, Add	*1,236.63*	
		For Cast Steel Case, Add	*2,782.42*	
23 21 23 13-0009	EA	50 HP, 300 GPM At 300' Head, Single Stage Cast Iron In-Line Circulating Pump	25,236.73	1,026.72
		For Mechanical Seal, Add	*1,772.43*	
		For Cast Steel Case, Add	*3,987.96*	
23 21 23 13-0010	EA	75 HP, 400 GPM At 400' Head, Single Stage Cast Iron In-Line Circulating Pump	32,080.67	1,075.95
		For Mechanical Seal, Add	*2,308.22*	
		For Cast Steel Case, Add	*5,193.49*	
23 21 23 13-0011	EA	100 HP, 600 GPM At 400' Head, Single Stage Cast Iron In-Line Circulating Pump	35,046.06	1,383.06
		For Mechanical Seal, Add	*2,471.67*	
		For Cast Steel Case, Add	*5,561.25*	

23 21 23 13-0012 Cast Iron, Single Stage, Vertical In-Line, Close Coupled, Pump *(23 21 23 13)*

Note: For general service, 125 LB flanged, 1,800 RPM TEFC motor.

23 21 23 13-0013	EA	1/2 HP, 1-1/2" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	2,284.97	179.57
23 21 23 13-0014	EA	3/4 HP, 2" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	4,052.29	205.24
23 21 23 13-0015	EA	1 HP, 3" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	4,403.38	229.83
23 21 23 13-0016	EA	1-1/2 HP, 3" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	4,629.71	249.88
23 21 23 13-0017	EA	2 HP, 4" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	6,058.89	273.62
23 21 23 13-0018	EA	3 HP, 5" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	6,228.51	302.41
23 21 23 13-0019	EA	5 HP, 6" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	7,119.27	359.13
23 21 23 13-0020	EA	7-1/2 HP, 6" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	8,282.61	442.08
23 21 23 13-0021	EA	10 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	10,665.38	478.85
23 21 23 13-0022	EA	15 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	12,468.06	507.00
23 21 23 13-0023	EA	20 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	16,026.93	538.71
23 21 23 13-0024	EA	25 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	16,912.16	556.72
23 21 23 13-0025	EA	30 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	17,797.39	574.62
23 21 23 13-0026	EA	40 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	21,135.02	615.71
23 21 23 13-0027	EA	50 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	22,889.30	720.03
23 21 23 13-0028	EA	60 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	25,291.16	1,040.00
23 21 23 13-0029	EA	75 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	29,855.12	2,080.00
23 21 23 13-0030	EA	100 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	34,318.77	2,496.00

23 21 23 16 Base-Mounted, Centrifugal Hydronic Pumps *(23 21 23)*

See CSI section 26 29 23 00-0000 for variable frequency motor controllers.

23 21 23 16-0001 Single Stage, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump *(23 21 23 16)*

Note: 1800 RPM, welded steel baseplate, internally flushed mechanical seal, bronze wear ring, galvanized drip pan, and 3 phase 230/460V premium efficiency motor. Bell & Gossett 1510 Series.

23 21 23 16-0002	EA	5 HP, 50 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 1-1/4 BC, BF, 184T)	6,627.82	341.88
23 21 23 16-0003	EA	7.5 HP, 100 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 1-1/2 BC, BF, 213T)	7,440.11	342.31
23 21 23 16-0004	EA	10 HP, 225 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 2 E, BF, 215T)	9,814.72	449.73
23 21 23 16-0005	EA	15 HP, 250 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 2 E, BF, 254T)	10,740.99	553.26
23 21 23 16-0006	EA	15 HP, 300 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 3 G, BF, 254T)	12,038.39	553.26
23 21 23 16-0007	EA	20 HP, 350 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 3 E, BF, 256T)	11,695.61	599.64

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 23 16-0008	EA	20 HP, 500 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 4 E, BF, 256T)	12,433.23	599.64
23 21 23 16-0009	EA	25 HP, 600 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 4 E, BF, 284T)	13,585.64	628.76
23 21 23 16-0010	EA	30 HP, 750 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 5 E, BF, 286T)	15,105.31	799.17
23 21 23 16-0011	EA	40 HP, 1,050 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 5 E, BF, 324T)	15,973.42	898.39
23 21 23 16-0012	EA	60 HP, 1,500 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 6 E, BF, 364T)	24,499.60	2,186.57
23 21 23 16-0013	EA	75 HP, 2,000 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 8 G, BF, 365T)	35,578.64	2,623.42
23 21 23 16-0014	EA	100 HP, 3,000 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 8 G, BF, 404TS)	40,316.52	3,279.27

23 21 23 16-0015 Single Stage, Vertical Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump *(23 21 23 16)*

Note: 125 LB flanged, 1750 RPM drip-proof motor, common base plate 100' head. Standard seal and motor. For general service.

23 21 23 16-0016	EA	1-1/2 HP, 40 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	6,827.58	251.28
		For 300 Lb. Flanges, Add	*1,593.61*	
23 21 23 16-0017	EA	2 HP, 50 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	8,724.63	269.63
		For 300 Lb. Flanges, Add	*2,080.05*	
23 21 23 16-0018	EA	3 HP, 90 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	10,940.24	287.96
		For 300 Lb. Flanges, Add	*2,615.23*	
23 21 23 16-0019	EA	5 HP, 100 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	12,752.04	341.88
		For 300 Lb. Flanges, Add	*3,033.94*	
23 21 23 16-0020	EA	7-1/2 HP, 150 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	13,402.25	342.31
		For 300 Lb. Flanges, Add	*3,188.79*	
23 21 23 16-0021	EA	10 HP, 200 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	13,986.73	449.73
		For 300 Lb. Flanges, Add	*3,294.47*	
23 21 23 16-0022	EA	10 HP, 225 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	14,301.66	449.73
		For 300 Lb. Flanges, Add	*3,373.20*	
23 21 23 16-0023	EA	10 HP, 250 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	14,999.25	449.73
		For 300 Lb. Flanges, Add	*3,547.60*	
23 21 23 16-0024	EA	15 HP, 300 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	17,403.26	553.26
		For 300 Lb. Flanges, Add	*4,101.93*	
23 21 23 16-0025	EA	17-1/2 HP, 350 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	17,669.23	552.83
		For 300 Lb. Flanges, Add	*4,158.39*	
23 21 23 16-0026	EA	20 HP, 500 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	18,627.34	599.64
		For 300 Lb. Flanges, Add	*4,387.21*	
23 21 23 16-0027	EA	25 HP, 600 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	20,443.11	628.76
		For 300 Lb. Flanges, Add	*4,819.61*	
23 21 23 16-0028	EA	30 HP, 750 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	22,570.75	799.17
		For 300 Lb. Flanges, Add	*5,283.19*	
23 21 23 16-0029	EA	40 HP, 1,050 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	25,606.54	898.39
		For 300 Lb. Flanges, Add	*5,997.20*	
23 21 23 16-0030	EA	60 HP, 1,500 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	39,767.04	2,186.57
		For 300 Lb. Flanges, Add	*8,887.71*	
23 21 23 16-0031	EA	75 HP, 2,000 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	47,290.92	2,623.42
		For 300 Lb. Flanges, Add	*10,557.87*	
23 21 23 16-0032	EA	100 HP, 3,000 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	57,655.41	3,279.27
		For 300 Lb. Flanges, Add	*12,832.77*	

23 21 23 16-0033 Single Stage, Horizontal Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump *(23 21 23 16)*

Note: 125 LB flanged, 1750 RPM drip-proof motor, common base plate 100' head. Standard seal and motor. For general service.

23 21 23 16-0034	EA	1-1/2 HP, 40 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	6,544.64	251.28
		For 300 Lb. Flanges, Add	*1,522.87*	
23 21 23 16-0035	EA	2 HP, 50 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	6,716.12	269.63
		For 300 Lb. Flanges, Add	*1,557.69*	
23 21 23 16-0036	EA	3 HP, 90 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	6,887.73	287.96
		For 300 Lb. Flanges, Add	*1,592.51*	
23 21 23 16-0037	EA	5 HP, 100 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	7,485.41	294.43
		For 300 Lb. Flanges, Add	*1,738.75*	
23 21 23 16-0038	EA	7-1/2 HP, 100 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	12,240.23	341.88
		For 300 Lb. Flanges, Add	*2,905.99*	
23 21 23 16-0039	EA	10 HP, 250 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	14,833.40	449.73
		For 300 Lb. Flanges, Add	*3,533.50*	
23 21 23 16-0040	EA	15 HP, 350 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	16,676.98	485.32
		For 300 Lb. Flanges, Add	*3,967.03*	
23 21 23 16-0041	EA	20 HP, 500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	17,620.35	539.24
		For 300 Lb. Flanges, Add	*4,156.21*	
23 21 23 16-0042	EA	25 HP, 750 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	19,639.21	538.49
		For 300 Lb. Flanges, Add	*4,667.71*	
23 21 23 16-0043	EA	40 HP, 1,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	21,984.69	692.04
		For 300 Lb. Flanges, Add	*5,184.91*	
23 21 23 16-0044	EA	50 HP, 1,500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	27,964.32	874.86
		For 300 Lb. Flanges, Add	*6,569.46*	
23 21 23 16-0045	EA	75 HP, 2,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	35,697.67	1,092.70
		For 300 Lb. Flanges, Add	*8,397.39*	
23 21 23 16-0046	EA	3,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 100 HP	44,909.36	1,311.71
		For 300 Lb. Flanges, Add	*10,594.91*	
23 21 23 16-0047	EA	150 HP, 3,500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	53,248.69	1,456.93
		For 300 Lb. Flanges, Add	*12,609.47*	
23 21 23 16-0048	EA	200 HP, 4,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	61,232.89	1,873.87
		For 300 Lb. Flanges, Add	*14,404.75*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 23 16-0049			**Two Stage, Horizontal Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump** *(23 21 23 16)* Note: 3500 RPM drip-proof motor, common base plate 500' head. Packed stuffing box and boiler feed water service.		
	23 21 23 16-0050	EA	40 HP, 100 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case	41,785.80	553.26
			For 300 Lb. Flanges, Add	*10,197.57*	
	23 21 23 16-0051	EA	50 HP, 200 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case	45,108.73	599.64
			For 300 Lb. Flanges, Add	*11,007.56*	
	23 21 23 16-0052	EA	75 HP, 300 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case	60,206.65	805.31
			For 300 Lb. Flanges, Add	*14,682.91*	
	23 21 23 16-0053	EA	100 HP, 400 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case	70,257.85	1,106.57
			For 300 Lb. Flanges, Add	*17,057.43*	
	23 21 23 16-0054	EA	200 HP, 800 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case	97,498.72	1,475.43
			For 300 Lb. Flanges, Add	*23,698.64*	
23 21 23 16-0055			**Cast Iron Close Coupling Pumps** *(23 21 23 16)*		
23 21 23 16-0056			**Foot Mounted Cast Iron Close Coupled Pumps** *(23 21 23 16-0055)*		
	23 21 23 16-0057	EA	3 HP, 90 GPM At 50' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 1-1/2 AC, BF, 182JM)	5,929.91	323.55
	23 21 23 16-0058	EA	3 HP, 150 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 2-1/2 AB, BF, 182JM)	6,460.53	323.55
	23 21 23 16-0059	EA	5 HP, 225 GPM At 50' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 2-1/2 BB, BF, 184JM)	7,187.94	341.53
	23 21 23 16-0060	EA	5 HP, 350 GPM At 25' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 4 AC, BF, 184JM)	7,657.33	341.53
	23 21 23 16-0061	EA	7.5 HP, 350 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 4 AC, BF, 213JM)	8,807.48	359.13
	23 21 23 16-0062	EA	10 HP, 600 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 5 A, BF, 215JM)	10,437.03	432.32
	23 21 23 16-0063	EA	15 HP, 1,000 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 254JP)	13,708.82	532.58
	23 21 23 16-0064	EA	20 HP, 1,350 GPM At 30' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 256JP)	14,674.11	576.42
	23 21 23 16-0065	EA	25 HP, 1,550 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 284JP)	17,004.88	622.53
23 21 23 16-0066			**Pumps, Polypropylene Body, Housing And Impeller, 115/230 Volt** *(23 21 23 16)*		
	23 21 23 16-0067	EA	1/3 HP, Centrifugal Pump, Polypropylene Body	1,488.73	167.11
	23 21 23 16-0068	EA	1/2 HP, Centrifugal Pump, Polypropylene Body	1,588.27	177.18
	23 21 23 16-0069	EA	3/4 HP, Centrifugal Pump, Polypropylene Body	1,853.67	188.65
23 21 23 16-0070			**Multi Stage, Stainless Steel, Horizontal End Suction, Base Mounted Centrifugal Pump** *(23 21 23 16)* Note: 3500RPM, 3 phase 208 to 240/480 Volt. (Goulds EHM)		
	23 21 23 16-0071	EA	2 HP, 30 GPM At 140' Head, Stainless Steel Booster Pump (Goulds 5HM05N15T6PBQE)	2,778.95	323.55
23 21 23 16-0072			**Multi Stage, Stainless Steel, Vertical Centrifugal Pump** *(23 21 23 16)* Note: Suction And Discharge Ports On The Same Level		
	23 21 23 16-0073	EA	7.5 HP, 90.3 GPM @ 206' Head, Multi Stage, Stainless Steel, Vertical Centrifugal Pump (Grundfos CRN15-4)	9,353.80	460.51
	23 21 23 16-0074	EA	15 HP, 159 GPM @ 250' Head, Multi Stage, Stainless Steel, Vertical Centrifugal Pump (Grundfos CRN32-4)	12,818.22	569.44
	23 21 23 16-0075	EA	25 HP, 239 GPM @ 212' Head, Multi Stage, Stainless Steel, Vertical Centrifugal Pump (Grundfos CRN64-2)	15,703.50	718.28
23 21 23 23			**Vertical-Turbine Hydronic Pumps** *(23 21 23)* See CSI section 26 29 23 00-0000 for variable frequency motor controllers.		
23 21 23 23-0001			**Cast Iron, Bronze Fitted Vertical Turbine Wet Sump Pumps** *(23 21 23 23)* Note: For water supply, cooling towers and process liquids. Multi-stage 1750 RPM drip-proof motor. For 1' to 5' sump depth.		
	23 21 23 23-0002	EA	2 HP, 50 GPM Cast Iron Turbine Pump, 3" Discharge 100' Head, 10 Stage	13,234.14	799.17
			For Each Extra Column Assembly <60", Add	*1,106.66*	
			For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*481.43*	
			For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*349.09*	
	23 21 23 23-0003	EA	3 HP, 100 GPM Cast Iron Turbine Pump, 4" Discharge 100' Head, 7 Stage	15,304.84	898.39
			For Each Extra Column Assembly <60", Add	*1,272.71*	
			For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*563.87*	
			For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*410.83*	
	23 21 23 23-0004	EA	15 HP, 250 GPM Cast Iron Turbine Pump, 6" Discharge 150' Head, 5 Stage	18,464.37	874.86
			For Each Extra Column Assembly <60", Add	*1,539.89*	
			For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*675.83*	
			For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*491.19*	
	23 21 23 23-0005	EA	25 HP, 500 GPM Cast Iron Turbine Pump, 6" Discharge 150' Head, 3 Stage	21,821.80	1,009.54
			For Each Extra Column Assembly <60", Add	*1,810.61*	
			For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*808.01*	
			For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*589.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 23 23-0006	EA	50 HP, 1,000 GPM Cast Iron Turbine Pump, 8" Discharge 150' Head, 2 Stage	26,930.25	1,092.70
		For Each Extra Column Assembly <60", Add	*2,224.69*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*1,006.94*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*737.64*	
23 21 23 23-0007	EA	100 HP, 2,000 GPM Cast Iron Turbine Pump, 10" Discharge 150' Head, 3 Stage	35,455.71	1,311.71
		For Each Extra Column Assembly <60", Add	*2,920.78*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*1,333.90*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*979.35*	
23 21 23 23-0008	EA	150 HP, 3,000 GPM Cast Iron Turbine Pump, 10" Discharge 150' Head, 2 Stage	42,413.33	1,639.64
		For Each Extra Column Assembly <60", Add	*3,498.47*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*1,591.13*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*1,166.99*	
23 21 23 23-0009	EA	200 HP, 4,000 GPM Cast Iron Turbine Pump, 12" Discharge 150' Head, 2 Stage	68,181.98	1,873.87
		For Each Extra Column Assembly <60", Add	*5,575.02*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*2,606.82*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*1,925.00*	
23 21 23 23-0010	EA	250 HP, 6,000 GPM Cast Iron Turbine Pump, 14" Discharge 150' Head, 2 Stage	89,494.45	2,186.57
		For Each Extra Column Assembly <60", Add	*7,300.10*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*3,439.24*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*2,544.29*	
23 21 23 23-0011	EA	300 HP, 10,000 GPM Cast Iron Turbine Pump, 18" Discharge 100' Head, 2 Stage	125,433.79	2,623.42
		For Each Extra Column Assembly <60", Add	*10,203.35*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*4,848.70*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*3,594.37*	

23 21 29 Automatic Condensate Pump Units *(23 21)*

23 21 29 00-0001 Automatic Shallow Pan Condensate Pump *(23 21 29)*

23 21 29 00-0002	EA	1/150 HP, 205 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 1-ABS)	224.17	35.05
23 21 29 00-0003	EA	1/40 HP, 300 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 2-ABS)	243.44	35.05
23 21 29 00-0004	EA	1/12 HP, 310 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 3-ABS)	381.04	40.44

23 21 29 00-0005 Automatic Condensate Pump With Tank *(23 21 29)*

23 21 29 00-0006	EA	1/20 HP Automatic Condensate Pump With Tank (Hartell KT-15-1UL)	122.16	26.96
23 21 29 00-0007	EA	1/30 HP Automatic Condensate Pump With Tank (Little Giant VCMX-20)	130.39	26.96
23 21 29 00-0008	EA	1/50 HP, 200 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-14ULS)	217.87	35.05
23 21 29 00-0009	EA	1/18 HP, 270 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-24ULS)	234.95	40.44
23 21 29 00-0010	EA	1/5 HP, 450 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-45ULS) Condensate Pump	436.67	45.84

23 22 Steam and Condensate Piping and Pumps *(23 20)*

23 22 13 Steam and Condensate Heating Piping *(23 22)*

23 22 13 13 Underground Steam and Condensate Heating Piping *(23 22 13)*

23 22 13 13-0001 Prefabricated/Preinsulated Schedule 80 Seamless Carbon Steel Pipe Assembly With 2" Insulation, Fittings And Supports *(23 22 13 13)*

Note: Includes complete direct buried pumped condensate and condensate vent, and forced main piping, all necessary fittings, steel cladding, anchors, expansion loops and conduit accessories required. Review Supplied Specs for details of system. A. Steam piping shall be steel pipe, ASTM A53 Grade B, seamless, SCH 80 black steel with butt weld ends. Fittings shall be Extra Heavy weight, carbon steel, butt weld, ASTM A234, Class 150 with butt welded joints per AWS D1.1. B. Service pipe insulation shall be Aerogel or Pyrogel. Split insulation shall be held in place by stainless steel bands installed not more than 18 inches apart. Foam insulations of any type shall not be allowed as the primary insulation. Insulation thicknesses shall be as indicated in Section 230700 – 2.8 Pipe Insulation Schedule per TABLE C403.2.8 and meet the 2012 Washington State Energy Code requirements for pipe insulation. C. Conduit: The steel conduit casing shall be smooth wall, welded steel conduit. Conduit sizes 6" – 26" shall be 10-gauge, sizes 28" – 36" shall be 6-gauge and sizes 38" – 42" shall be 4-gauge. Changes in casing size, as required at oversized casing to allow for carrier pipe expansion, shall be accomplished by eccentric and/or concentric fittings and shall provide for continuous drainage. Conduit closures shall be furnished with the conduit at a ratio of one closure for each fabricated item or length. Closures shall consist of 10 gauge steel and in cylindrical form with a single horizontal split and shall be field welded over adjacent units. All materials and insulation required for complete field closure shall be furnished with the conduit. D. Conduit Cladding: The conduit casing shall be cleaned, primed, and covered with a fusion bond epoxy coating. E. Cleaning: Prior to the application of the cladding the exterior of the steel service pipe surface shall be abrasive blast cleaned to a minimum of a near white surface, SSPC-SP10-63T. Profile must be a minimum of 1.5 mil peak to valley range. Any areas of rust bloom or oil shall be wiped and reblasted. F. Priming: The casing will then be coated with a single layer of red mill primer. G. All field joints shall be covered with a heat-shrinkable, adhesive-backed sleeve. The factory applied coating on the conduit fittings shall be chopped sprayed or hand layups with thicknesses equal to the thickness of the cladding on the straight lengths. No taping, gluing or shrink warps shall be allowed on fitting jackets. H. Pipe Support Guides: Piping shall be suitably spaced and supported by the system manufacturer.

23 22 13 13-0002	LF	2" Diameter Preinsulated Schedule 80 Seamless Carbon Steel Pipe Assembly With 2" Insulation And Fittings	463.05	
23 22 13 13-0003	LF	3" Diameter Preinsulated Schedule 80 Seamless Carbon Steel Pipe Assembly With 2" Insulation And Fittings	615.20	
23 22 13 13-0004	LF	6" Diameter Preinsulated Schedule 80 Seamless Carbon Steel Pipe Assembly With 2" Insulation And Fittings	807.30	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 13 13-0005		Cable Leak Detection For Prefabricated/Preinsulated Steel Pipe Assembly *(23 22 13 13)*		
		Note: Includes a microprocessor-based panel capable of continuous monitoring of a sensor string for leaks/faults. The unit shall have a sensing range of up to 5,000 feet of cable. The alarm unit(s) shall operate on the principle of pulsed energy reflection and be capable of mapping the entire length of the sensor cable and storing the digitized system map in nonvolatile memory. The alarm units shall provide continuous indication that the sensor cable is being monitored. Sensor cable shall be of fluoropolymer and polymer coated wire construction, with no exposed metal parts. Cable shall detect water-based liquids. The sensor cable can be dried in-place and will not require replacement after a leak event of any volatile liquid. The cable shall have a breaking strength of at least 100 pounds and shall be resistant to corrosion, abrasion and most chemicals tested in accordance with exposure procedures in ASTM D543.		
23 22 13 13-0006	EA	Leak Detection Cable System For Prefabricated/Preinsulated Steel Pipe Assembly (312 feet for high pressure steam piping, 312 feet for pressurized condensate piping and 153 of pumped condensate piping)	40,830.00	

23 22 16 Steam and Condensate Heating Piping Specialties *(23 22)*

23 22 16 00-0001 Steam Traps *(23 22 16)*

23 22 16 00-0002 Inverted Bucket Steam Traps *(23 22 16 00-0001)*

23 22 16 00-0003	EA	1/2" 250 PSI Inverted Bucket Cast Iron Steam Trap	341.51	35.13
		For Work In Restricted Working Space, Add	*21.08*	
23 22 16 00-0004	EA	3/4" 250 PSI Inverted Bucket Cast Iron Steam Trap	344.43	36.59
		For Work In Restricted Working Space, Add	*21.95*	
23 22 16 00-0005	EA	1" 250 PSI Inverted Bucket Cast Iron Steam Trap	514.71	39.00
		For Work In Restricted Working Space, Add	*23.42*	
23 22 16 00-0006	EA	1-1/4" 250 PSI Inverted Bucket Cast Iron Steam Trap	834.18	53.22
		For Work In Restricted Working Space, Add	*31.94*	
23 22 16 00-0007	EA	1-1/2" 250 PSI Inverted Bucket Cast Iron Steam Trap	1,244.21	65.58
		For Work In Restricted Working Space, Add	*39.03*	
23 22 16 00-0008	EA	2" 250 PSI Inverted Bucket Cast Iron Steam Trap	1,585.32	97.59
		For Work In Restricted Working Space, Add	*58.55*	

23 22 16 00-0009 Float And Thermostatic Steam Traps *(23 22 16 00-0001)*

23 22 16 00-0010	EA	3/4" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	361.07	36.59
		For Work In Restricted Working Space, Add	*21.95*	
23 22 16 00-0011	EA	1" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	477.21	39.03
		For Work In Restricted Working Space, Add	*23.42*	
23 22 16 00-0012	EA	1-1/4" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	589.40	53.23
		For Work In Restricted Working Space, Add	*31.94*	
23 22 16 00-0013	EA	1-1/2" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	865.12	65.05
		For Work In Restricted Working Space, Add	*39.03*	
23 22 16 00-0014	EA	2" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	1,463.18	97.55
		For Work In Restricted Working Space, Add	*58.55*	
23 22 16 00-0015	EA	3/4" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	461.30	36.59
		For Work In Restricted Working Space, Add	*21.95*	
23 22 16 00-0016	EA	1" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	501.47	39.00
		For Work In Restricted Working Space, Add	*23.42*	
23 22 16 00-0017	EA	1-1/4" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	655.54	53.22
		For Work In Restricted Working Space, Add	*31.94*	
23 22 16 00-0018	EA	1-1/2" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	1,025.20	65.00
		For Work In Restricted Working Space, Add	*39.03*	
23 22 16 00-0019	EA	2" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	1,610.93	97.58
		For Work In Restricted Working Space, Add	*58.55*	
23 22 16 00-0020	EA	3/4" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	600.23	36.59
		For Work In Restricted Working Space, Add	*21.95*	
23 22 16 00-0021	EA	1" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	669.07	39.03
		For Work In Restricted Working Space, Add	*23.42*	
23 22 16 00-0022	EA	1-1/4" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	1,019.42	53.22
		For Work In Restricted Working Space, Add	*31.94*	
23 22 16 00-0023	EA	1-1/2" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	1,225.68	65.00
		For Work In Restricted Working Space, Add	*39.03*	
23 22 16 00-0024	EA	2" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	2,027.71	97.59
		For Work In Restricted Working Space, Add	*58.55*	
23 22 16 00-0025	EA	3/4" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap	609.05	36.59
		For Work In Restricted Working Space, Add	*21.95*	
23 22 16 00-0026	EA	1" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap	669.07	39.03
		For Work In Restricted Working Space, Add	*23.42*	
23 22 16 00-0027	EA	1-1/4" 150 PSI Max Pressure Float And Thermostatic Steam Trap	1,019.42	53.22
		For Work In Restricted Working Space, Add	*31.94*	
23 22 16 00-0028	EA	1-1/2" 150 PSI Max Pressure Float And Thermostatic Steam Trap	1,225.68	65.00
		For Work In Restricted Working Space, Add	*39.03*	
23 22 16 00-0029	EA	2" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap	2,027.71	97.58
		For Work In Restricted Working Space, Add	*58.55*	

23 22 16 00-0030 Thermostatic Steam Traps *(23 22 16 00-0001)*

23 22 16 00-0031	EA	1/2" 25 PSI Maximum Pressure Thermostatic Steam Trap	172.57	35.13
		For Work In Restricted Working Space, Add	*21.08*	
23 22 16 00-0032	EA	3/4" 25 PSI Maximum Pressure Thermostatic Steam Trap	291.48	36.59
		For Work In Restricted Working Space, Add	*21.95*	
23 22 16 00-0033	EA	1" 25 PSI Maximum Pressure Thermostatic Steam Trap	360.84	39.00
		For Work In Restricted Working Space, Add	*23.42*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0034		**Thermodynamic Steam Traps** *(23 22 16 00-0001)*		
23 22 16 00-0035	EA	3/8" 600 PSI Maximum Pressure Thermodynamic Steam Trap	387.08	31.62
23 22 16 00-0036	EA	1/2" 600 PSI Maximum Pressure Thermodynamic Steam Trap	551.01	35.13
23 22 16 00-0037	EA	3/4" 600 PSI Maximum Pressure Thermodynamic Steam Trap	684.02	36.59
23 22 16 00-0038	EA	1" 600 PSI Maximum Pressure Thermodynamic Steam Trap	918.25	39.00
23 22 16 00-0039		**Steam Moisture Separator** *(23 22 16 00-0001)*		
23 22 16 00-0040	EA	1/2" Steam Moisture Separator, Threaded (Spirax Sarco S1)	798.16	58.55
23 22 16 00-0041	EA	3/4" Steam Moisture Separator, Threaded (Spirax Sarco S1)	844.14	79.05
23 22 16 00-0042	EA	1" Steam Moisture Separator, Threaded (Spirax Sarco S1)	1,017.18	89.00
23 22 16 00-0043	EA	1-1/2" Steam Moisture Separator, Threaded (Spirax Sarco S2)	1,613.57	101.88
23 22 16 00-0044	EA	2" Steam Moisture Separator, Flanged (Spirax Sarco S3)	1,972.54	156.10
23 22 16 00-0045	EA	2-1/2" Steam Moisture Separator, Flanged (Spirax Sarco S3)	2,976.23	169.80
23 22 16 00-0046	EA	3" Steam Moisture Separator, Flanged (Spirax Sarco S3)	3,398.01	199.08
23 22 16 00-0047	EA	4" Steam Moisture Separator, Flanged (Spirax Sarco S3)	4,695.60	333.74
23 22 16 00-0048	EA	6" Steam Moisture Separator, Flanged (Spirax Sarco S3)	9,196.80	421.57
23 22 16 00-0049		**High Temperature Safety Relief Valve** *(23 22 16)* Note: Used in steam or water boiler, heating systems and unfired pressure vessel applications.		
23 22 16 00-0050		**Cast Iron Body Safety Valve, Steam Or Water** *(23 22 16 00-0049)* Note: Variable set points to 500 PSIG pressure, 400 Degree F temperature range.		
23 22 16 00-0051		**Threaded** *(23 22 16 00-0050)*		
23 22 16 00-0052	EA	3/4" x 1" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	522.07	17.56
23 22 16 00-0053	EA	1" x 1-1/4" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	545.97	20.78
23 22 16 00-0054	EA	1-1/4" x 1-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	601.68	26.34
23 22 16 00-0055	EA	1-1/2" x 2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	742.66	29.27
23 22 16 00-0056	EA	2" x 2-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	951.05	35.99
23 22 16 00-0057	EA	2-1/2" x 2-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	1,478.21	40.97
23 22 16 00-0058	EA	3" x 3" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	1,601.52	47.12
23 22 16 00-0059		**Flanged** *(23 22 16 00-0050)*		
23 22 16 00-0060	EA	1-1/2" x 2-1/2" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	3,691.64	122.91
23 22 16 00-0061	EA	2" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	4,295.39	184.75
23 22 16 00-0062	EA	2-1/2" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	4,747.58	170.13
23 22 16 00-0063	EA	2-1/2" x 4" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	5,764.09	245.72
23 22 16 00-0064	EA	3" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	6,156.72	183.25
23 22 16 00-0065	EA	3" x 4" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	7,231.83	245.72
23 22 16 00-0066	EA	4" x 6" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	12,106.05	348.70
23 22 16 00-0067	EA	6" x 8" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	24,098.54	389.44
23 22 16 00-0068		**Bronze Body Safety Valve, Threaded, Steam** *(23 22 16 00-0049)* Note: Variable set points to 250 PSIG pressure, 400 Degree F temperature range. Valve also can be set for Air or Gas with variable set points to 300 PSIG pressure.		
23 22 16 00-0069	EA	3/4" x 3/4" Threaded Bronze Body Safety Relief Valve, Steam	568.66	16.10
23 22 16 00-0070	EA	3/4" x 1" Threaded Bronze Body Safety Relief Valve, Steam	582.28	17.56
23 22 16 00-0071	EA	1" x 1" Threaded Bronze Body Safety Relief Valve, Steam	681.79	19.31
23 22 16 00-0072	EA	1" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Steam	753.00	20.78
23 22 16 00-0073	EA	1-1/4" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Steam	871.37	23.41
23 22 16 00-0074	EA	1-1/4" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Steam	875.13	26.34
23 22 16 00-0075	EA	1-1/2" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Steam	984.70	27.80
23 22 16 00-0076	EA	1-1/2" x 2" Threaded Bronze Body Safety Relief Valve, Steam	1,073.33	29.27
23 22 16 00-0077	EA	2" x 2" Threaded Bronze Body Safety Relief Valve, Steam	1,492.04	32.77
23 22 16 00-0078	EA	2" x 2-1/2" Threaded Bronze Body Safety Relief Valve, Steam	1,630.58	35.99
23 22 16 00-0079	EA	2-1/2" x 2-1/2" Threaded Bronze Body Safety Relief Valve, Steam	1,946.04	40.97
23 22 16 00-0080		**Bronze Body Safety Valve, Threaded, Water** *(23 22 16 00-0049)* Note: Variable set points to 160 psig pressure, 250 Degree F temperature range.		
23 22 16 00-0081	EA	3/4" x 3/4" Threaded Bronze Body Safety Relief Valve, Water	265.63	16.10
23 22 16 00-0082	EA	3/4" x 1" Threaded Bronze Body Safety Relief Valve, Water	302.90	17.56
23 22 16 00-0083	EA	1" x 1" Threaded Bronze Body Safety Relief Valve, Water	420.77	19.31
23 22 16 00-0084	EA	1" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Water	463.40	20.78
23 22 16 00-0085	EA	1-1/4" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Water	671.88	23.41
23 22 16 00-0086	EA	1-1/2" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Water	907.24	27.80
23 22 16 00-0087	EA	2" x 2" Threaded Bronze Body Safety Relief Valve, Water	1,325.21	32.77
23 22 16 00-0088		**Steam Temperature Regulator, Iron Body** *(23 22 16)*		
23 22 16 00-0089		**Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body** *(23 22 16 00-0088)* Note: Up to 150 PSI.		
23 22 16 00-0090	EA	1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,409.13	16.85

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0091	EA	3/4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,482.13	22.71
23 22 16 00-0092	EA	1" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,967.17	27.98
23 22 16 00-0093	EA	1-1/4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,171.65	35.35
23 22 16 00-0094	EA	1-1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,227.81	40.61
23 22 16 00-0095	EA	2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,632.90	44.19
23 22 16 00-0096	EA	2-1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,348.94	80.95
23 22 16 00-0097	EA	3" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	5,489.48	88.28
23 22 16 00-0098	EA	4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	7,984.03	206.64
23 22 16 00-0099	EA	6" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	13,360.43	242.53

23 22 16 00-0100 Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body *(23 22 16 00-0088)*

23 22 16 00-0101	EA	1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,089.91	16.85
23 22 16 00-0102	EA	3/4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,163.95	22.71
23 22 16 00-0103	EA	1" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,259.94	27.98
23 22 16 00-0104	EA	1-1/4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,705.07	35.35
23 22 16 00-0105	EA	1-1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,897.61	40.61
23 22 16 00-0106	EA	2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,290.64	44.19
23 22 16 00-0107	EA	2-1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	5,041.48	80.95
23 22 16 00-0108	EA	3" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	7,625.55	88.28
23 22 16 00-0109	EA	4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	10,488.18	206.64
23 22 16 00-0110	EA	6" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	17,014.22	242.53

23 22 16 00-0111 Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body *(23 22 16 00-0088)*

23 22 16 00-0112	EA	1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,848.96	16.85
23 22 16 00-0113	EA	3/4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,889.88	22.71
23 22 16 00-0114	EA	1" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,162.36	27.98
23 22 16 00-0115	EA	1-1/4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,443.06	35.35
23 22 16 00-0116	EA	1-1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,567.41	40.61
23 22 16 00-0117	EA	2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,024.63	44.19
23 22 16 00-0118	EA	2-1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	7,447.92	80.95
23 22 16 00-0119	EA	3" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	10,826.85	88.28
23 22 16 00-0120	EA	4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	13,622.59	206.64
23 22 16 00-0121	EA	6" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	19,144.67	242.53

23 22 16 00-0122 Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body *(23 22 16 00-0088)*

23 22 16 00-0123	EA	1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,651.10	16.85
23 22 16 00-0124	EA	3/4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,688.03	22.71
23 22 16 00-0125	EA	1" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,004.61	27.98
23 22 16 00-0126	EA	1-1/4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,172.98	35.35
23 22 16 00-0127	EA	1-1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,333.45	40.61
23 22 16 00-0128	EA	2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,718.48	44.19
23 22 16 00-0129	EA	2-1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	7,848.99	80.95
23 22 16 00-0130	EA	3" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	11,384.57	88.28
23 22 16 00-0131	EA	4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	14,180.31	206.64
23 22 16 00-0132	EA	6" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	19,702.40	242.53

23 22 16 00-0133 Steam/Condensate Meter *(23 22 16)*

Note: Meter shall be of the rotary volumetric type and sized on the maximum estimated steam demand.

23 22 16 00-0134	EA	1" Steam/Condensate Meter	12,866.25	97.01
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0135	EA	2" Steam/Condensate Meter	14,509.13	113.99
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0136	EA	2-1/2" Steam/Condensate Meter	15,355.91	141.47
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0137	EA	3" Steam/Condensate Meter	16,225.33	185.94
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0138	EA	4" Steam/Condensate Meter	18,162.47	288.88
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0139	EA	6" Steam/Condensate Meter	31,316.82	365.41
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0140	EA	8" Steam/Condensate Meter	32,300.22	461.34
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0141	EA	10" Steam/Condensate Meter	33,654.44	565.90
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0142	EA	12" Steam/Condensate Meter	35,121.33	687.17
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0143	EA	14" Steam/Condensate Meter	37,263.30	808.43
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0144	EA	16" Steam/Condensate Meter	38,496.27	889.28
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	

23 22 23 Steam Condensate Pumps *(23 22)*

23 22 23 13 Electric-Driven Steam Condensate Pumps *(23 22 23)*

23 22 23 13-0001 Simplex Condensate Pumps And Motors *(23 22 23 13)*

Note: Cast iron receiver, float switch.

23 22 23 13-0002 20 PSI Discharge Pressure *(23 22 23 13-0001)*

23 22 23 13-0003	EA	3 To 6 GPM Simplex Condensate Pump And 1/3 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	1,998.14	548.95
23 22 23 13-0004	EA	9 To 12 GPM Simplex Condensate Pump And 1/3 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,544.57	564.05
23 22 23 13-0005	EA	15 GPM Simplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,663.08	601.80
23 22 23 13-0006	EA	22.5 GPM Simplex Condensate Pump And 1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,924.06	608.27
23 22 23 13-0007	EA	30 GPM Simplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,264.48	662.19
23 22 23 13-0008	EA	37.5 GPM Simplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	4,749.73	662.19
23 22 23 13-0009	EA	45 GPM Simplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	4,833.98	707.49
23 22 23 13-0010	EA	60 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	5,877.00	739.84
23 22 23 13-0011	EA	75 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	5,940.87	772.20

23 22 23 13-0012 30 PSI Discharge Pressure *(23 22 23 13-0001)*

23 22 23 13-0013	EA	3 To 6 GPM Simplex Condensate Pump And 1/2 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	2,286.52	586.70
23 22 23 13-0014	EA	9 To 12 GPM Simplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	2,953.29	601.80
23 22 23 13-0015	EA	15 GPM Simplex Condensate Pump And 3/4 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	3,069.23	641.70
23 22 23 13-0016	EA	22.5 GPM Simplex Condensate Pump And 1 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	3,541.88	693.47
23 22 23 13-0017	EA	30 To 37.5 GPM Simplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,833.98	708.57
23 22 23 13-0018	EA	45 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,968.47	733.37

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 23 13-0019	EA	60 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	5,122.16	772.20
23 22 23 13-0020	EA	75 GPM Simplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	5,930.25	821.81
23 22 23 13-0021		**40 PSI Discharge Pressure** *(23 22 23 13-0001)*		
23 22 23 13-0022	EA	3 To 6 GPM Simplex Condensate Pump And 1 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	2,551.61	672.97
23 22 23 13-0023	EA	9 To 15 GPM Simplex Condensate Pump And 1 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	3,200.67	726.90
23 22 23 13-0024	EA	22.5 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	3,735.34	718.28
23 22 23 13-0025	EA	30 To 37.5 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	4,944.87	733.37
23 22 23 13-0026	EA	45 GPM Simplex Condensate Pump And 2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	5,052.39	764.65
23 22 23 13-0027	EA	60 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	5,940.87	772.20
23 22 23 13-0028	EA	75 GPM Simplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	6,030.52	821.81
23 22 23 13-0029		**50 PSI Discharge Pressure** *(23 22 23 13-0001)*		
23 22 23 13-0030	EA	3 To 6 GPM Simplex Condensate Pump And 2 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	4,721.24	729.06
23 22 23 13-0031	EA	9 To 15 GPM Simplex Condensate Pump And 2 HP Motor With 13.6 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	3,454.47	744.16
23 22 23 13-0032	EA	22.5 GPM Simplex Condensate Pump And 2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	3,952.57	749.55
23 22 23 13-0033	EA	30 To 45 GPM Simplex Condensate Pump And 3 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	5,140.86	815.34
23 22 23 13-0034	EA	60 To 75 GPM Simplex Condensate Pump And 5 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	8,044.43	878.97
23 22 23 13-0035		**Duplex Condensate Pumps And Motors** *(23 22 23 13)* Note: Cast iron receiver, float switch, alternator assembly.		
23 22 23 13-0036		**20 PSI Discharge Pressure** *(23 22 23 13-0035)*		
23 22 23 13-0037	EA	9 To 12 GPM Duplex Condensate Pump And 1/3 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,269.19	736.61
23 22 23 13-0038	EA	15 GPM Duplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,468.96	808.87
23 22 23 13-0039	EA	22.5 GPM Duplex Condensate Pump And 1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,779.48	815.34
23 22 23 13-0040	EA	30 GPM Duplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	4,219.71	888.67
23 22 23 13-0041	EA	37.5 GPM Duplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	5,822.92	888.67
23 22 23 13-0042	EA	45 GPM Duplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	5,942.87	957.70
23 22 23 13-0043	EA	60 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	7,017.39	999.77
23 22 23 13-0044	EA	75 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	7,195.52	1,049.37
23 22 23 13-0045		**30 PSI Discharge Pressure** *(23 22 23 13-0035)*		
23 22 23 13-0046	EA	9 To 12 GPM Duplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,209.58	793.77
23 22 23 13-0047	EA	15 GPM Duplex Condensate Pump And 3/4 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,413.75	867.10
23 22 23 13-0048	EA	22.5 GPM Duplex Condensate Pump And 1 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,881.98	845.54
23 22 23 13-0049	EA	30 To 37.5 GPM Duplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	5,942.87	957.70
23 22 23 13-0050	EA	45 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	6,113.59	993.28
23 22 23 13-0051	EA	60 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	6,959.58	1,049.37
23 22 23 13-0052	EA	75 GPM Duplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	7,308.76	1,124.87
23 22 23 13-0053		**40 PSI Discharge Pressure** *(23 22 23 13-0035)*		
23 22 23 13-0054	EA	9 To 15 GPM Duplex Condensate Pump And 1 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	4,580.89	936.13
23 22 23 13-0055	EA	22.5 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	5,050.33	978.19
23 22 23 13-0056	EA	30 To 37.5 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	6,127.74	993.28

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 23 13-0057	EA	45 GPM Duplex Condensate Pump And 2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	6,307.06	1,042.90
23 22 23 13-0058	EA	60 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	7,196.70	1,049.37
23 22 23 13-0059	EA	75 GPM Duplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	7,337.08	1,124.87
23 22 23 13-0060		50 PSI Discharge Pressure *(23 22 23 13-0035)*		
23 22 23 13-0061	EA	9 To 15 GPM Duplex Condensate Pump And 2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	4,776.72	936.13
23 22 23 13-0062	EA	22.5 GPM Duplex Condensate Pump And 2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	5,158.86	1,028.88
23 22 23 13-0063	EA	30 To 45 GPM Duplex Condensate Pump And 3 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	6,448.60	1,117.32
23 22 23 13-0064	EA	60 To 75 GPM Duplex Condensate Pump And 5 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	11,089.36	1,210.07
23 23		**Refrigerant Piping** *(23 20)*		
23 23 13		**Refrigerant Piping Valves** *(23 23)*		
23 23 13 00-0001		Ball Valves *(23 23 13)*		
23 23 13 00-0002		Refrigeration Ball Valves, Sweat, 1400 Series *(23 23 13 00-0001)*		
23 23 13 00-0003	EA	3/8" Refrigeration Ball Valve, Sweated	48.26	11.71
23 23 13 00-0004	EA	1/2" Refrigeration Ball Valve, Sweated	50.15	11.71
23 23 13 00-0005	EA	5/8" Refrigeration Ball Valve, Sweated	68.26	11.71
23 23 13 00-0006	EA	7/8" Refrigeration Ball Valve, Sweated	91.37	12.88
23 23 13 00-0007	EA	1-1/8" Refrigeration Ball Valve, Sweated	128.73	14.63
23 23 13 00-0008	EA	1-5/8" Refrigeration Ball Valve, Sweated	210.45	18.02
23 23 13 00-0009		Shut-Off Valves *(23 23 13)*		
23 23 13 00-0010		Packless *(23 23 13 00-0009)*		
23 23 13 00-0011	EA	1/2" Refrigeration Valve, Packless	66.11	12.18
23 23 13 00-0012	EA	5/8" Refrigeration Valve, Packless	82.95	13.35
23 23 13 00-0013	EA	7/8" Refrigeration Valve, Packless	171.44	18.27
23 23 13 00-0014		Packed *(23 23 13 00-0009)*		
23 23 13 00-0015	EA	1-1/8" Refrigeration Valve, Packed	305.49	26.58
23 23 13 00-0016	EA	1 3/8" Refrigeration Valve, Packed	408.88	32.55
23 23 13 00-0017	EA	1-5/8" Refrigeration Valve, Packed	498.53	36.65
23 23 13 00-0018	EA	2-1/8" Refrigeration Valve, Packed	713.92	41.81
23 23 13 00-0019	EA	2-5/8" Refrigeration Valve, Packed	1,177.30	117.10
23 23 13 00-0020	EA	3-1/8" Refrigeration Valve, Packed	1,545.99	146.38
23 23 13 00-0021	EA	4-1/8" Refrigeration Valve, Packed	2,200.39	195.21
23 23 13 00-0022		Check Valves *(23 23 13)*		
23 23 13 00-0023	EA	5/8" Check Valve, Refrigeration	83.04	11.71
23 23 13 00-0024	EA	7/8" Check Valve, Refrigeration	267.32	12.88
23 23 13 00-0025	EA	1-1/8" Check Valve, Refrigeration	309.84	14.63
23 23 13 00-0026	EA	1 3/8" Check Valve, Refrigeration	417.64	15.57
23 23 13 00-0027	EA	1-5/8" Check Valve, Refrigeration	550.80	18.03
23 23 13 00-0028	EA	2-1/8" Check Valve, Refrigeration	818.76	21.31
23 23 13 00-0029	EA	2-5/8" Check Valve, Refrigeration	1,145.76	31.26
23 23 13 00-0030	EA	3-1/8" Check Valve, Refrigeration	1,517.71	40.98
23 23 13 00-0031		Solenoid Valves *(23 23 13)*		
23 23 13 00-0032		Solenoid Valve, 24 Volt Coil *(23 23 13 00-0031)*		
23 23 13 00-0033	EA	1/2" Solenoid Valve, Refrigeration	228.35	11.71
23 23 13 00-0034	EA	5/8" Solenoid Valve, Refrigeration	233.88	11.71
23 23 13 00-0035	EA	3/4" Solenoid Valve, Refrigeration	288.94	12.88
23 23 13 00-0036	EA	7/8" Solenoid Valve, Refrigeration	288.94	12.88
23 23 13 00-0037	EA	1-1/8" Solenoid Valve, Refrigeration	405.07	14.63
23 23 13 00-0038	EA	1 3/8" Solenoid Valve, Refrigeration	651.37	15.57
23 23 13 00-0039	EA	1-5/8" Solenoid Valve, Refrigeration	1,202.05	18.03
23 23 13 00-0040	EA	2-1/8" Solenoid Valve, Refrigeration	1,218.42	21.31
23 23 16		**Refrigerant Piping Specialties** *(23 23)*		
23 23 16 00-0001		Soft Refrigeration Copper Tubing *(23 23 16)* Note: Based on outside diameter. Nitrogenized. Lengths up to 100' See CSI section 22 07 19 00-1080 for flexible elastomeric insulation (insulation on suction line only).		
23 23 16 00-0002	LF	1/8" Outside Diameter Soft Refrigeration Copper Tubing	4.93	2.79

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0003	LF	3/16" Outside Diameter Soft Refrigeration Copper Tubing	5.17	2.86
23 23 16 00-0004	LF	1/4" Outside Diameter Soft Refrigeration Copper Tubing	5.41	2.94
23 23 16 00-0005	LF	5/16" Outside Diameter Soft Refrigeration Copper Tubing	5.81	2.98
23 23 16 00-0006	LF	3/8" Outside Diameter Soft Refrigeration Copper Tubing	5.99	3.03
23 23 16 00-0007	LF	1/2" Outside Diameter Soft Refrigeration Copper Tubing	6.75	3.18
23 23 16 00-0008	LF	5/8" Outside Diameter Soft Refrigeration Copper Tubing	7.46	3.22
23 23 16 00-0009	LF	3/4" Outside Diameter Soft Refrigeration Copper Tubing	8.17	3.33
23 23 16 00-0010	LF	7/8" Outside Diameter Soft Refrigeration Copper Tubing	10.57	3.91
23 23 16 00-0011	LF	1-1/8" Outside Diameter Soft Refrigeration Copper Tubing	13.48	4.48
23 23 16 00-0012	LF	1-3/8" Outside Diameter Soft Refrigeration Copper Tubing	19.60	5.31
23 23 16 00-0013	LF	1-5/8" Outside Diameter Soft Refrigeration Copper Tubing	23.67	5.93

23 23 16 00-0014 Refrigeration Copper Tubing Assembly *(23 23 16)*

Note: Based on outside diameter. Nitrogenized. Includes pipe, 1/2" thick flexible elastomeric foam insulation, coupling fittings and fastener straps. See CSI section 22 07 19 00-1080 for flexible elastomeric insulation (insulation on suction line only).

23 23 16 00-0015	LF	1/4" Outside Diameter, Soft Refrigeration Copper Tubing With 1/2" Elastomeric Insulation	8.27	3.15
23 23 16 00-0016	LF	5/16" Outside Diameter, Soft Refrigeration Copper Tubing With 1/2" Elastomeric Insulation	8.67	3.19
23 23 16 00-0017	LF	3/8" Outside Diameter, Soft Refrigeration Copper Tubing With 1/2" Elastomeric Insulation	8.81	3.28
23 23 16 00-0018	LF	1/2" Outside Diameter, Soft Refrigeration Copper Tubing With 1/2" Elastomeric Insulation	9.81	3.52
23 23 16 00-0019	LF	5/8" Outside Diameter, Soft Refrigeration Copper Tubing With 1/2" Elastomeric Insulation	10.66	3.52
23 23 16 00-0020	LF	3/4" Outside Diameter, Soft Refrigeration Copper Tubing With 1/2" Elastomeric Insulation	12.23	4.10
23 23 16 00-0021	LF	7/8" Outside Diameter, Soft Refrigeration Copper Tubing With 1/2" Elastomeric Insulation	14.34	4.33
23 23 16 00-0022	LF	1-1/8" Outside Diameter, Soft Refrigeration Copper Tubing With 1/2" Elastomeric Insulation	18.27	5.27
23 23 16 00-0023	LF	1-3/8" Outside Diameter, Soft Refrigeration Copper Tubing With 1/2" Elastomeric Insulation	24.85	6.09
23 23 16 00-0024	LF	1-5/8" Outside Diameter, Soft Refrigeration Copper Tubing With 1/2" Elastomeric Insulation	29.35	6.56

23 23 16 00-0025 Type L Drawn, ACR Copper Tubing *(23 23 16)*

Note: Nitrogenized. Lengths up to 20'. See CSI section 22 07 19 00-1080 for flexible elastomeric insulation (insulation on suction line only).

23 23 16 00-0026	LF	3/8" Outside Diameter Type L Drawn, ACR Copper Tubing	6.63	3.28
		For Medical Applications "Oxygen Clean", Add	*0.63*	
23 23 16 00-0027	LF	1/2" Outside Diameter Type L Drawn, ACR Copper Tubing	7.48	3.28
		For Medical Applications "Oxygen Clean", Add	*0.70*	
23 23 16 00-0028	LF	5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	8.03	3.28
		For Medical Applications "Oxygen Clean", Add	*0.74*	
23 23 16 00-0029	LF	3/4" Outside Diameter Type L Drawn, ACR Copper Tubing	11.59	4.92
		For Medical Applications "Oxygen Clean", Add	*1.07*	
23 23 16 00-0030	LF	7/8" Outside Diameter Type L Drawn, ACR Copper Tubing	12.67	5.27
		For Medical Applications "Oxygen Clean", Add	*1.17*	
23 23 16 00-0031	LF	1-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	14.81	5.27
		For Medical Applications "Oxygen Clean", Add	*1.34*	
23 23 16 00-0032	LF	1-3/8" Outside Diameter Type L Drawn, ACR Copper Tubing	18.46	6.09
		For Medical Applications "Oxygen Clean", Add	*1.66*	
23 23 16 00-0033	LF	1-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	22.38	7.03
		For Medical Applications "Oxygen Clean", Add	*2.00*	
23 23 16 00-0034	LF	2-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	31.77	8.78
		For Medical Applications "Oxygen Clean", Add	*2.80*	
23 23 16 00-0035	LF	2-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	47.65	13.23
		For Medical Applications "Oxygen Clean", Add	*4.21*	
23 23 16 00-0036	LF	3-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	61.70	16.40
		For Medical Applications "Oxygen Clean", Add	*5.43*	
23 23 16 00-0037	LF	3-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	77.74	19.43
		For Medical Applications "Oxygen Clean", Add	*6.80*	
23 23 16 00-0038	LF	4-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	96.15	23.42
		For Medical Applications "Oxygen Clean", Add	*8.39*	

23 23 16 00-0039 Refrigeration Fittings *(23 23 16)*

23 23 16 00-0040 Brass Flare Fittings *(23 23 16 00-0039)*

23 23 16 00-0041 Brass Flare Unions *(23 23 16 00-0040)*

23 23 16 00-0042	EA	3/8" Brass Flare Union	30.56	12.65
23 23 16 00-0043	EA	1/2" Brass Flare Union	30.56	12.65
23 23 16 00-0044	EA	5/8" Brass Flare Union	33.56	12.65

23 23 16 00-0045 90 Degree Elbow Brass Flare Unions *(23 23 16 00-0040)*

23 23 16 00-0046	EA	3/8" 90 Degree Brass Flare Elbow Union	32.38	12.65
23 23 16 00-0047	EA	1/2" 90 Degree Brass Flare Elbow Union	32.38	12.65
23 23 16 00-0048	EA	5/8" 90 Degree Brass Flare Elbow Union	42.44	12.65

23 23 16 00-0049 Brass Flare Tees *(23 23 16 00-0040)*

23 23 16 00-0050	EA	3/8" Brass Flare Tee	48.77	21.07
23 23 16 00-0051	EA	1/2" Brass Flare Tee	53.26	21.07
23 23 16 00-0052	EA	5/8" Brass Flare Tee	77.68	21.07

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0053		**Male Connector, Half Brass Flare Unions** *(23 23 16 00-0040)*		
23 23 16 00-0054	EA	3/8" Brass Flare Male Connector, Half Union	22.30	12.65
23 23 16 00-0055	EA	1/2" Brass Flare Male Connector, Half Union	25.31	12.65
23 23 16 00-0056	EA	5/8" Brass Flare Male Connector, Half Union	29.59	12.65
23 23 16 00-0057		**Female Connector, Half Brass Flare Unions** *(23 23 16 00-0040)*		
23 23 16 00-0058	EA	3/8" Brass Flare Female Connector, Half Union	26.17	12.65
23 23 16 00-0059	EA	1/2" Brass Flare Female Connector, Half Union	30.24	12.65
23 23 16 00-0060	EA	5/8" Brass Flare Female Connector, Half Union	30.24	12.65
23 23 16 00-0061		**Long Forged Nuts** *(23 23 16 00-0040)*		
23 23 16 00-0062	EA	3/8" Brass Long Forged Nut	24.13	12.65
23 23 16 00-0063	EA	1/2" Brass Long Forged Nut	25.31	12.65
23 23 16 00-0064	EA	5/8" Brass Long Forged Nut	38.37	12.65
23 23 16 00-0065		**Short Forged Nuts** *(23 23 16 00-0040)*		
23 23 16 00-0066	EA	3/8" Brass Short Forged Nut	22.43	12.65
23 23 16 00-0067	EA	1/2" Brass Short Forged Nut	25.14	12.65
23 23 16 00-0068	EA	5/8" Brass Short Forged Nut	25.70	12.65
23 23 16 00-0069		**ACR Wrought Copper Fittings** *(23 23 16 00-0039)* Note: Soldered.		
23 23 16 00-0070		**ACR Wrought Copper Coupling** *(23 23 16 00-0069)* Note: C x C		
23 23 16 00-0071	EA	1/4" ACR Wrought Copper Coupling	21.61	12.65
23 23 16 00-0072	EA	3/8" ACR Wrought Copper Coupling	21.13	12.65
23 23 16 00-0073	EA	1/2" ACR Wrought Copper Coupling	21.84	12.65
23 23 16 00-0074	EA	5/8" ACR Wrought Copper Coupling	22.32	13.23
23 23 16 00-0075	EA	3/4" ACR Wrought Copper Coupling	32.68	17.44
23 23 16 00-0076	EA	7/8" ACR Wrought Copper Coupling	31.74	17.92
23 23 16 00-0077	EA	1-1/8" ACR Wrought Copper Coupling	43.12	22.25
23 23 16 00-0078	EA	1-3/8" ACR Wrought Copper Coupling	62.88	30.45
23 23 16 00-0079	EA	1-5/8" ACR Wrought Copper Coupling	76.35	35.72
23 23 16 00-0080	EA	2-1/8" ACR Wrought Copper Coupling	102.90	43.33
23 23 16 00-0081	EA	2-5/8" ACR Wrought Copper Coupling	184.19	65.81
23 23 16 00-0082	EA	3-1/8" ACR Wrought Copper Coupling	246.35	86.54
23 23 16 00-0083	EA	4-1/8" ACR Wrought Copper Coupling	419.19	102.82
23 23 16 00-0084		**ACR Wrought Copper Short Radius 90 Degree Elbows** *(23 23 16 00-0069)* Note: C x C		
23 23 16 00-0085	EA	1/4" ACR Wrought Copper Short Radius 90 Degree Elbow	28.06	12.65
23 23 16 00-0086	EA	3/8" ACR Wrought Copper Short Radius 90 Degree Elbow	28.54	12.65
23 23 16 00-0087	EA	1/2" ACR Wrought Copper Short Radius 90 Degree Elbow	28.06	12.65
23 23 16 00-0088	EA	5/8" ACR Wrought Copper Short Radius 90 Degree Elbow	30.69	13.23
23 23 16 00-0089	EA	3/4" ACR Wrought Copper Short Radius 90 Degree Elbow	45.84	17.44
23 23 16 00-0090	EA	7/8" ACR Wrought Copper Short Radius 90 Degree Elbow	46.34	17.92
23 23 16 00-0091	EA	1-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	59.41	22.25
23 23 16 00-0092	EA	1 3/8" ACR Wrought Copper Short Radius 90 Degree Elbow	72.27	30.45
23 23 16 00-0093	EA	1-5/8" ACR Wrought Copper Short Radius 90 Degree Elbow	95.08	35.72
23 23 16 00-0094	EA	2-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	140.50	43.33
23 23 16 00-0095	EA	2-5/8" ACR Wrought Copper Short Radius 90 Degree Elbow	249.93	65.81
23 23 16 00-0096	EA	3-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	319.87	86.54
23 23 16 00-0097	EA	4-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	640.69	102.82
23 23 16 00-0098		**ACR Wrought Copper Long Radius 90 Degree Elbows** *(23 23 16 00-0069)* Note: C x C		
23 23 16 00-0099	EA	1/4" ACR Wrought Copper Long Radius 90 Degree Elbow	36.12	12.65
23 23 16 00-0100	EA	3/8" ACR Wrought Copper Long Radius 90 Degree Elbow	31.86	12.65
23 23 16 00-0101	EA	1/2" ACR Wrought Copper Long Radius 90 Degree Elbow	35.24	12.65
23 23 16 00-0102	EA	5/8" ACR Wrought Copper Long Radius 90 Degree Elbow	34.58	13.23
23 23 16 00-0103	EA	3/4" ACR Wrought Copper Long Radius 90 Degree Elbow	41.10	17.44
23 23 16 00-0104	EA	7/8" ACR Wrought Copper Long Radius 90 Degree Elbow	45.83	17.92
23 23 16 00-0105	EA	1-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	63.88	22.25
23 23 16 00-0106	EA	1-3/8" ACR Wrought Copper Long Radius 90 Degree Elbow	95.26	30.45
23 23 16 00-0107	EA	1-5/8" ACR Wrought Copper Long Radius 90 Degree Elbow	120.18	35.72
23 23 16 00-0108	EA	2-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	240.07	43.33
23 23 16 00-0109	EA	2-5/8" ACR Wrought Copper Long Radius 90 Degree Elbow	375.96	65.81
23 23 16 00-0110	EA	3-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	496.98	86.54
23 23 16 00-0111	EA	4-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	1,137.80	102.82
23 23 16 00-0112		**ACR Wrought Copper 45 Degree Elbow** *(23 23 16 00-0069)* Note: C x C		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0113	EA	1/4" ACR Wrought Copper 45 Degree Elbow	41.98	12.65
23 23 16 00-0114	EA	3/8" ACR Wrought Copper 45 Degree Elbow	36.12	12.65
23 23 16 00-0115	EA	1/2" ACR Wrought Copper 45 Degree Elbow	33.62	12.65
23 23 16 00-0116	EA	5/8" ACR Wrought Copper 45 Degree Elbow	25.82	13.23
23 23 16 00-0117	EA	3/4" ACR Wrought Copper 45 Degree Elbow	52.08	17.44
23 23 16 00-0118	EA	7/8" ACR Wrought Copper 45 Degree Elbow	37.20	17.92
23 23 16 00-0119	EA	1-1/8" ACR Wrought Copper 45 Degree Elbow	59.35	22.25
23 23 16 00-0120	EA	1-3/8" ACR Wrought Copper 45 Degree Elbow	80.54	30.45
23 23 16 00-0121	EA	1-5/8" ACR Wrought Copper 45 Degree Elbow	95.61	35.72
23 23 16 00-0122	EA	2-1/8" ACR Wrought Copper 45 Degree Elbow	135.04	43.33
23 23 16 00-0123	EA	2-5/8" ACR Wrought Copper 45 Degree Elbow	248.10	65.81
23 23 16 00-0124	EA	3-1/8" ACR Wrought Copper 45 Degree Elbow	338.33	86.54
23 23 16 00-0125	EA	4-1/8" ACR Wrought Copper45 Degree Elbow	598.48	102.82
23 23 16 00-0126		**ACR Wrought Copper Tee** *(23 23 16 00-0069)*		
		Note: C x C x C		
23 23 16 00-0127	EA	1/4" ACR Wrought Copper Tee	49.92	21.07
23 23 16 00-0128	EA	3/8" ACR Wrought Copper Tee	50.95	21.07
23 23 16 00-0129	EA	1/2" ACR Wrought Copper Tee	47.13	21.07
23 23 16 00-0130	EA	5/8" ACR Wrought Copper Tee	45.26	26.58
23 23 16 00-0131	EA	3/4" ACR Wrought Copper Tee	75.25	26.58
23 23 16 00-0132	EA	7/8" ACR Wrought Copper Tee	53.67	26.93
23 23 16 00-0133	EA	1-1/8" ACR Wrought Copper Tee	94.69	35.72
23 23 16 00-0134	EA	1-3/8" ACR Wrought Copper Tee	120.48	43.33
23 23 16 00-0135	EA	1-5/8" ACR Wrought Copper Tee	162.76	51.41
23 23 16 00-0136	EA	2-1/8" ACR Wrought Copper Tee	236.39	68.50
23 23 16 00-0137	EA	2-5/8" ACR Wrought Copper Tee	493.82	149.54
23 23 16 00-0138	EA	3-1/8" ACR Wrought Copper Tee	633.47	164.41
23 23 16 00-0139	EA	4-1/8" ACR Wrought Copper Tee	1,210.36	182.68
23 23 16 00-0140		**ACR Wrought Copper Male Adapter** *(23 23 16 00-0069)*		
		Note: C x M		
23 23 16 00-0141	EA	1/4" ACR Wrought Copper Male Adapter	47.80	12.65
23 23 16 00-0142	EA	3/8" ACR Wrought Copper Male Adapter	57.16	12.65
23 23 16 00-0143	EA	1/2" ACR Wrought Copper Male Adapter	41.60	12.65
23 23 16 00-0144		**ACR Wrought Copper Female Adapter** *(23 23 16 00-0069)*		
		Note: C x F		
23 23 16 00-0145	EA	1/4" ACR Wrought Copper Female Adapter	44.12	12.65
23 23 16 00-0146	EA	3/8" ACR Wrought Copper Female Adapter	38.75	12.65
23 23 16 00-0147	EA	1/2" ACR Wrought Copper Female Adapter	40.78	12.65
23 23 16 00-0148		**ACR Wrought Copper Cap** *(23 23 16 00-0069)*		
		Note: C		
23 23 16 00-0149	EA	1/4" ACR Wrought Copper Cap	17.10	8.43
23 23 16 00-0150	EA	3/8" ACR Wrought Copper Cap	15.40	8.43
23 23 16 00-0151	EA	1/2" ACR Wrought Copper Cap	17.06	8.43
23 23 16 00-0152		**ACR Wrought Copper P-Trap** *(23 23 16 00-0069)*		
23 23 16 00-0153	EA	5/8" ACR Wrought Copper P-Trap	137.27	10.78
23 23 16 00-0154	EA	3/4" ACR Wrought Copper P-Trap	191.97	11.86
23 23 16 00-0155	EA	7/8" ACR Wrought Copper P-Trap	159.65	11.86
23 23 16 00-0156	EA	1-1/8" ACR Wrought Copper P-Trap	224.49	12.94
23 23 16 00-0157	EA	1-3/8" ACR Wrought Copper P-Trap	394.23	12.94
23 23 16 00-0158	EA	1-5/8" ACR Wrought Copper P-Trap	569.52	14.02
23 23 16 00-0159	EA	2-1/8" ACR Wrought Copper P-Trap	1,074.67	15.10
23 23 16 00-0160		**Sight Glass With Moisture And Liquid Indicator, Solder Connection** *(23 23 16)*		
23 23 16 00-0161	EA	1/4" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	60.91	16.18
23 23 16 00-0162	EA	3/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	73.98	19.41
23 23 16 00-0163	EA	1/2" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	89.46	23.72
23 23 16 00-0164	EA	5/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	98.21	26.96
23 23 16 00-0165	EA	7/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	132.80	34.51
23 23 16 00-0166	EA	1-1/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	153.28	42.06
23 23 16 00-0167	EA	1-3/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	238.56	49.61
23 23 16 00-0168	EA	1-5/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	293.25	67.95
23 23 16 00-0169	EA	2-1/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	359.81	84.12
23 23 16 00-0170		**Filter Driers, Solder Connections** *(23 23 16)*		
23 23 16 00-0171		**Replaceable Core Type Filter Driers, Solder Connections** *(23 23 16 00-0170)*		
23 23 16 00-0172	EA	5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	558.75	9.71
23 23 16 00-0173	EA	7/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	560.10	11.86
23 23 16 00-0174	EA	1-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	715.15	11.86

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0175	EA	1-3/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	710.55	12.94
23 23 16 00-0176	EA	1-5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	790.09	14.02
23 23 16 00-0177	EA	2-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	886.36	15.10
23 23 16 00-0178	EA	2-5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	1,035.08	16.18
23 23 16 00-0179	EA	3-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	1,292.19	16.18
23 23 16 00-0180		**Sealed In-Line Filter Driers, Solder Connections** *(23 23 16 00-0170)*		
23 23 16 00-0181	EA	1/4" Outside Diameter, 1/4 To 1 Ton, Sealed In-Line Filter Drier, Solder Connections	87.99	9.71
23 23 16 00-0182	EA	3/8" Outside Diameter, 1/2 To 2 Ton, Sealed In-Line Filter Drier, Solder Connections	112.42	9.71
23 23 16 00-0183	EA	1/2" Outside Diameter, 1 To 7 Ton, Sealed In-Line Filter Drier, Solder Connections	143.59	10.78
23 23 16 00-0184	EA	1/2" Outside Diameter, 2 To 7-1/2 Ton, Sealed In-Line Filter Drier, Solder Connections	166.46	10.78
23 23 16 00-0185	EA	5/8" Outside Diameter, 2 To 10 Ton, Sealed In-Line Filter Drier, Solder Connections	182.93	10.78
23 23 16 00-0186	EA	5/8" Outside Diameter, 4 To 8 Ton, Sealed In-Line Filter Drier, Solder Connections	212.16	10.78
23 23 16 00-0187	EA	7/8" Outside Diameter, 5 To 20 Ton, Sealed In-Line Filter Drier, Solder Connections	238.68	11.86
23 23 16 00-0188	EA	7/8" Outside Diameter, 7-1/2 To 20 Ton, Sealed In-Line Filter Drier, Solder Connections	354.55	11.86
23 23 16 00-0189	EA	1-1/8" Outside Diameter, 15 To 25 Ton, Sealed In-Line Filter Drier, Solder Connections	385.35	11.86
23 23 16 00-0190		**Bi-Flow Filter Driers, Solder Connections** *(23 23 16 00-0170)*		
23 23 16 00-0191	EA	1/4" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections	124.27	9.71
23 23 16 00-0192	EA	3/8" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections	138.24	9.71
23 23 16 00-0193	EA	1/2" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections	164.72	10.78
23 23 16 00-0194	EA	3/8" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections	148.48	9.71
23 23 16 00-0195	EA	1/2" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections	185.84	10.78
23 23 16 00-0196	EA	5/8" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections	215.79	10.78
23 23 16 00-0197		**Refrigerant Compressor Discharge Mufflers** *(23 23 16)*		
23 23 16 00-0198	EA	3/8" Outside Diameter, 2 Ton, Refrigerant Compressor Discharge Muffler	111.64	9.71
23 23 16 00-0199	EA	1/2" Outside Diameter, 3 Ton, Refrigerant Compressor Discharge Muffler	123.25	9.71
23 23 16 00-0200	EA	5/8" Outside Diameter, 5 Ton, Refrigerant Compressor Discharge Muffler	148.65	9.71
23 23 16 00-0201	EA	7/8" Outside Diameter, 7-1/2 To 10 Ton, Refrigerant Compressor Discharge Muffler	199.13	11.86
23 23 16 00-0202	EA	1-1/8" Outside Diameter, 10 To 15 Ton, Refrigerant Compressor Discharge Muffler	259.68	11.86
23 23 16 00-0203	EA	1-3/8" Outside Diameter, 15 To 25 Ton, Refrigerant Compressor Discharge Muffler	308.46	12.94
23 23 16 00-0204	EA	1-5/8" Outside Diameter, 25 To 50 Ton, Refrigerant Compressor Discharge Muffler	391.05	14.02
23 23 16 00-0205	EA	2-1/8" Outside Diameter, 50 To 75 Ton, Refrigerant Compressor Discharge Muffler	726.10	15.10
23 23 16 00-0206	EA	2-5/8" Outside Diameter, 75 To 100 Ton, Refrigerant Compressor Discharge Muffler	810.32	16.18
23 23 16 00-0207	EA	3-1/8" Outside Diameter, 100 To 125 Ton, Refrigerant Compressor Discharge Muffler	1,002.62	16.18
23 23 16 00-0208		**Expansion Valves And Vibration Absorbers** *(23 23 16)*		
23 23 16 00-0209		**Thermostatic Expansion Valves** *(23 23 16 00-0208)*		
		Note: Outside diameter pipe sizes. Sporlan TP-S.		
23 23 16 00-0210	EA	3/8" In x 5/8" Out, 1/2 To 3 Ton, Thermostatic Expansion Valve	241.33	9.71
23 23 16 00-0211	EA	1/2" In x 7/8" Out, 4 To 5 Ton, Thermostatic Expansion Valve	336.14	10.78
23 23 16 00-0212	EA	5/8" In x 7/8" Out, 6 To 8 Ton, Thermostatic Expansion Valve	574.41	10.78
23 23 16 00-0213	EA	7/8" In x 1-1/8" Out, 7 To 12 Ton, Thermostatic Expansion Valve	680.78	11.86
23 23 16 00-0214	EA	7/8" In x 1-3/8" Out, 15 To 20 Ton, Thermostatic Expansion Valve	734.71	11.86
23 23 16 00-0215		**Electric Expansion Valves** *(23 23 16 00-0208)*		
		Note: Sporlan SEI or SEH.		
23 23 16 00-0216	EA	1/2 To 11 Ton Electric Expansion Valve	597.07	13.48
		Note: Sporlan SEI.		
23 23 16 00-0217	EA	25 Ton Electric Expansion Valve	692.26	14.02
		Note: Sporlan SEI.		
23 23 16 00-0218	EA	50 Ton Electric Expansion Valve	788.00	14.56
		Note: Sporlan SEI.		
23 23 16 00-0219	EA	100 Ton Electric Expansion Valve	924.33	14.56
		Note: Sporlan SEH.		
23 23 16 00-0220	EA	175 Ton Electric Expansion Valve	1,041.36	15.10
		Note: Sporlan SEH.		
23 23 16 00-0221		**Braided Stainless Steel Over Copper Vibration Absorber** *(23 23 16 00-0208)*		
23 23 16 00-0222	EA	1/4" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	63.98	14.02
23 23 16 00-0223	EA	3/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	64.11	16.18
23 23 16 00-0224	EA	1/2" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	83.20	20.49
23 23 16 00-0225	EA	5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	89.46	24.80
23 23 16 00-0226	EA	3/4" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	105.27	30.19
23 23 16 00-0227	EA	7/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	121.92	34.51
23 23 16 00-0228	EA	1-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	173.05	12.94
23 23 16 00-0229	EA	1-3/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	244.77	14.02
23 23 16 00-0230	EA	1-5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	307.12	14.02
23 23 16 00-0231	EA	2-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	421.77	15.10
23 23 16 00-0232	EA	2-5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	721.33	16.18
23 23 16 00-0233	EA	3-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	945.97	16.18

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0234		**Accumulator, Refrigerant Suction Line** *(23 23 16)*		
23 23 16 00-0235	EA	3/4" Accumulator, Refrigeration Suction Line	203.16	49.07
23 23 16 00-0236	EA	7/8" Accumulator, Refrigeration Suction Line	275.20	67.40
23 23 16 00-0237	EA	1-1/8" Accumulator, Refrigeration Suction Line	326.69	89.84
23 23 16 00-0238	EA	1 3/8" Accumulator, Refrigeration Suction Line	463.28	107.85
23 23 16 00-0239	EA	1-5/8" Accumulator, Refrigeration Suction Line	640.69	134.81
23 23 16 00-0240	EA	2-1/8" Accumulator, Refrigeration Suction Line	978.29	179.79
23 23 16 00-0241		**Special Chemicals/Component** *(23 23 16)*		
23 23 16 00-0242	GAL	Special Chemical, Inhibited Propylene Glycol, 100%	30.99	
23 23 16 00-0243	GAL	Removal And Storage For Reuse Of Inhibited Propylene Glycol	8.36	
23 23 16 00-0244	GAL	Special Chemical, Inhibited Ethylene Glycol, 100%	21.29	
23 23 16 00-0245	EA	Internal Coil/Refrigerant Piping Flush Note: Up to 10 ton AC system.	351.94	
23 23 16 00-0246		**Copper Refrigeration Line Sets, Pre-Insulated** *(23 23 16)* Note: Includes fasteners and insulation on suction line only		
23 23 16 00-0247	LF	5/16" Outside Diameter Liquid, And 5/8" Outside Diameter Suction, Refrigerant Line Set With 1/2" Insulation	14.62	0.91
23 23 16 00-0248	LF	5/16" Outside Diameter Liquid, And 3/4" Outside Diameter Suction, Refrigerant Line Set With 1/2" Insulation	15.43	0.91
23 23 16 00-0249	LF	3/8" Outside Diameter Liquid, And 5/8" Outside Diameter Suction, Refrigerant Line Set With 1/2" Insulation	13.77	0.92
23 23 16 00-0250	LF	3/8" Outside Diameter Liquid, And 3/4" Outside Diameter Suction, Refrigerant Line Set With 1/2" Insulation	16.23	0.93
23 23 16 00-0251	LF	3/8" Outside Diameter Liquid, And 7/8" Outside Diameter Suction, Refrigerant Line Set With 1/2" Insulation	19.59	0.95
23 23 16 00-0252	LF	3/8" Outside Diameter Liquid, And 1-1/8" Outside Diameter Suction, Refrigerant Line Set With 1/2" Insulation	23.06	1.01
23 23 16 00-0253	LF	1/2" Outside Diameter Liquid, And 3/4" Outside Diameter Suction, Refrigerant Line Set With 1/2" Insulation	17.12	0.95
23 23 16 00-0254	LF	1/2" Outside Diameter Liquid, And 7/8" Outside Diameter Suction, Refrigerant Line Set With 1/2" Insulation	21.68	1.02
23 23 16 00-0255	LF	1/2" Outside Diameter Liquid, And 1-1/8" Outside Diameter Suction, Refrigerant Line Set With 1/2" Insulation	26.26	1.08
23 23 16 00-0256		**Triple Copper Refrigeration Line Sets** *(23 23 16)* Note: Includes fasteners and insulation		
23 23 16 00-0257	LF	1-3/8" / 1-1/8" / 3/4" Outside Diameter, Soft Refrigeration Copper Tubing Triple Copper Pipe Assembly, With 1/2" Elastomeric Insulation	55.40	8.86
23 23 16 00-0258	LF	1-1/8" / 7/8" / 3/4" Outside Diameter, Soft Refrigeration Copper Tubing Triple Copper Pipe Assembly, With 1/2" Elastomeric Insulation	45.18	7.93
23 23 16 00-0259	LF	1-1/8" / 7/8" / 5/8" Outside Diameter, Soft Refrigeration Copper Tubing Triple Copper Pipe Assembly, With 1/2" Elastomeric Insulation	43.61	7.64
23 23 16 00-0260	LF	1-1/8" / 3/4" / 1/2" Outside Diameter, Soft Refrigeration Copper Tubing Triple Copper Pipe Assembly, With 1/2" Elastomeric Insulation	40.79	7.48
23 23 16 00-0261	LF	7/8" / 3/4" / 1/2" Outside Diameter, Soft Refrigeration Copper Tubing Triple Copper Pipe Assembly, With 1/2" Elastomeric Insulation	36.15	6.93
23 23 16 00-0262	LF	5/8" / 1/2" / 3/8" Outside Diameter, Soft Refrigeration Copper Tubing Triple Copper Pipe Assembly, With 1/2" Elastomeric Insulation	29.19	6.05

23 23 23 Refrigerants *(23 23)*

23 23 23 00-0001		**Refrigerant** *(23 23 23)*		
23 23 23 00-0002	LB	R-123 Refrigerant	38.58	
23 23 23 00-0003	LB	R-134A Refrigerant	13.75	
23 23 23 00-0004	LB	R-404A Refrigerant	16.37	
23 23 23 00-0005	LB	R-407C Refrigerant	14.72	
23 23 23 00-0006	LB	R-408A Refrigerant	33.55	
23 23 23 00-0007	LB	R-410A Refrigerant	14.42	
23 23 23 00-0008	LB	R-500 Refrigerant	47.15	
23 23 23 00-0009	LB	R-507 Refrigerant	9.17	
23 23 23 00-0010	LB	R-32 Refrigerant	19.24	
23 23 23 00-0011	LB	R-452A Refrigerant	21.52	
23 23 23 00-0012	LB	R-453A Refrigerant	25.04	
23 23 23 00-0013	LB	R-454A Refrigerant	34.24	
23 23 23 00-0014	LB	R-454B Refrigerant	27.45	

23 25 HVAC Water Treatment *(23 20)*

23 25 13 Water Treatment for Closed-Loop Hydronic Systems *(23 25)*

23 25 13 00-0001		**Polyethylene Chemical Storage Tanks** *(23 25 13)*		
23 25 13 00-0002	EA	15 Gallon Chemical Storage Tank, Polyethylene	457.05	90.05
23 25 13 00-0003		**Gas Chlorinator** *(23 25 13)*		
23 25 13 00-0004	EA	Gas Chlorinator, Wall Or Cylinder Mounted (10 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit	1,169.55	409.69
		For Booster Pump, Add	*458.67*	
23 25 13 00-0005	EA	Gas Chlorinator, Wall Or Cylinder Mounted (25 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit	1,336.21	468.22
		For Booster Pump, Add	*524.30*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 25 13 00-0006	EA	Gas Chlorinator, Wall Or Cylinder Mounted (50 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit	1,837.26	354.68
		For Booster Pump, Add	*640.31*	

23 25 13 00-0007 Bypass Shot Feeders *(23 25 13)*

Note: Includes up to 4 ports (in, out, fill and drain). Excludes valves.

23 25 13 00-0008 In Line Mount, 125 PSIG *(23 25 13 00-0007)*

23 25 13 00-0009	EA	1.7 Gallon Bypass Shot Chemical Feeder In Line Mount, 125 PSIG	1,070.63	305.21

23 25 13 00-0010 Floor Mount, 175 PSIG *(23 25 13 00-0007)*

23 25 13 00-0011	EA	5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 175 PSIG	1,575.61	459.43
23 25 13 00-0012	EA	12 Gallon Bypass Shot Chemical Feeder, Floor Mount, 175 PSIG	2,077.70	608.27

23 25 13 00-0013 Floor Mount, 150 Lb. ASME Code *(23 25 13 00-0007)*

23 25 13 00-0014	EA	5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 150 Lb. ASME Code	1,575.61	459.43
23 25 13 00-0015	EA	10 Gallon Bypass Shot Chemical Feeder, Floor Mount, 150 Lb. ASME Code	2,077.70	608.27

23 25 13 00-0016 Floor Mount, 300 Lb. ASME Code *(23 25 13 00-0007)*

23 25 13 00-0017	EA	5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 300 Lb. ASME Code	1,960.32	459.43
23 25 13 00-0018	EA	10 Gallon Bypass Shot Chemical Feeder, Floor Mount, 300 Lb. ASME Code	2,477.17	608.27

23 30 HVAC Air Distribution *(23)*

23 31 HVAC Ducts and Casings *(23 30)*

Note: Excludes angle iron, threaded rod, anchor bolts or other external supporting devices other than normal sheet metal straps. See CSI section 23 05 29 00-0001 for threaded rod.

23 31 13 Metal Ducts *(23 31)*

23 31 13 13 Rectangular Metal Ducts *(23 31 13)*

23 31 13 13-0001 Steel Sheet Metal Duct *(23 31 13 13)*

Note: Includes all fittings, transitions, collars, straps, support straps, fabrication, installation and sealing the joints by tape, mastic, or spray on sealer. Duct Sealing: Class-C requires sealing transverse joints; Class-B requires sealing all transverse joint and longitudinal seams; Class-A requires sealing all transverse joints longitudinal seams and duct wall penetrations.

23 31 13 13-0002 Galvanized Steel Sheet Metal Ductwork And Sealant *(23 31 13 13-0001)*

Note: SMACNA weight for galvanized steel ductwork LB/SF (surface areas) by gauge: 26 gauge - 0.906 LB/SF; 24 gauge - 1.156 LB/SF; 22 gauge - 1.406 LB/SF; 20 gauge - 1.656 LB/SF; 18 gauge - 2.156 LB/SF; 16 gauge - 2.656 LB/SF

23 31 13 13-0003	LB	Seal Class C, Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork	12.85	3.38
		For Polyvinyl Chloride (PVC) Coated, Add	*0.49*	
		For Up To 200, Add	*4.59*	
		For >200 To 500, Add	*2.93*	
		For >500 To 1,000, Add	*1.97*	
		For >1,000 To 2,000, Add	*1.10*	
		For >2,000 To 5,000, Add	*0.49*	
		For Work In Restricted Working Space, Add	*3.12*	
		For Elevated Installation >10' To 15', Add	*0.62*	
		For Elevated Installation >15' To 20', Add	*1.25*	
		For Elevated Installation >20' To 25', Add	*1.56*	
		For Elevated Installation >25' To 30', Add	*2.18*	
		For Elevated Installation >30' To 35', Add	*2.50*	
		For Elevated Installation >35' To 40', Add	*3.12*	
		For Elevated Installation >40', Add	*3.43*	
23 31 13 13-0004	LB	Seal Class B, Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork	14.65	3.38
		For Polyvinyl Chloride (PVC) Coated, Add	*0.54*	
		For Up To 200, Add	*5.21*	
		For >200 To 500, Add	*3.31*	
		For >500 To 1,000, Add	*2.24*	
		For >1,000 To 2,000, Add	*1.25*	
		For >2,000 To 5,000, Add	*0.56*	
		For Work In Restricted Working Space, Add	*3.59*	
		For Elevated Installation >10' To 15', Add	*0.72*	
		For Elevated Installation >15' To 20', Add	*1.43*	
		For Elevated Installation >20' To 25', Add	*1.79*	
		For Elevated Installation >25' To 30', Add	*2.51*	
		For Elevated Installation >30' To 35', Add	*2.87*	
		For Elevated Installation >35' To 40', Add	*3.59*	
		For Elevated Installation >40', Add	*3.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0005	LB	Seal Class A, Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork	17.50	3.38
		For Polyvinyl Chloride (PVC) Coated, Add	*0.59*	
		For Up To 200, Add	*6.14*	
		For >200 To 500, Add	*3.89*	
		For >500 To 1,000, Add	*2.66*	
		For >1,000 To 2,000, Add	*1.49*	
		For >2,000 To 5,000, Add	*0.67*	
		For Work In Restricted Working Space, Add	*4.37*	
		For Elevated Installation >10' To 15', Add	*0.87*	
		For Elevated Installation >15' To 20', Add	*1.75*	
		For Elevated Installation >20' To 25', Add	*2.18*	
		For Elevated Installation >25' To 30', Add	*3.06*	
		For Elevated Installation >30' To 35', Add	*3.49*	
		For Elevated Installation >35' To 40', Add	*4.37*	
		For Elevated Installation >40', Add	*4.80*	
23 31 13 13-0006		Alloy 3003-H14, Aluminum Sheet Metal Ductwork *(23 31 13 13-0001)*		
		Note: SMACNA weight for aluminum ductwork LB/SF (surface areas) by gauge: 26 gauge - 0.224 LB/SF; 24 gauge - 0.282 LB/SF; 22 gauge - 0.352 LB/SF; 20 gauge - 0.451 LB/SF; 18 gauge - 0.563 LB/SF; 16 gauge - 0.718 LB/SF; 14 gauge – 0.901 LB/SF; 12 gauge – 0.141 LB/SF		
23 31 13 13-0007	LB	Seal Class C, Alloy 3003-H14, Aluminum Sheet Metal Ductwork	25.04	3.38
		For Work In Restricted Working Space, Add	*6.17*	
		For Up To 200, Add	*8.86*	
		For >200 To 500, Add	*5.63*	
		For >500 To 1,000, Add	*3.82*	
		For >1,000 To 2,000, Add	*2.14*	
		For >2,000 To 5,000, Add	*0.96*	
		For Elevated Installation >10' To 15', Add	*1.23*	
		For Elevated Installation >15' To 20', Add	*2.47*	
		For Elevated Installation >20' To 25', Add	*3.08*	
		For Elevated Installation >25' To 30', Add	*4.32*	
		For Elevated Installation >30' To 35', Add	*4.93*	
		For Elevated Installation >35' To 40', Add	*6.17*	
		For Elevated Installation >40', Add	*6.78*	
23 31 13 13-0008	LB	Seal Class B, Alloy 3003-H14, Aluminum Sheet Metal Ductwork	28.37	3.38
		For Work In Restricted Working Space, Add	*7.09*	
		For Up To 200, Add	*9.93*	
		For >200 To 500, Add	*6.29*	
		For >500 To 1,000, Add	*4.30*	
		For >1,000 To 2,000, Add	*2.41*	
		For >2,000 To 5,000, Add	*1.09*	
		For Elevated Installation >10' To 15', Add	*1.42*	
		For Elevated Installation >15' To 20', Add	*2.84*	
		For Elevated Installation >20' To 25', Add	*3.54*	
		For Elevated Installation >25' To 30', Add	*4.96*	
		For Elevated Installation >30' To 35', Add	*5.67*	
		For Elevated Installation >35' To 40', Add	*7.09*	
		For Elevated Installation >40', Add	*7.80*	
23 31 13 13-0009	LB	Seal Class A, Alloy 3003-H14, Aluminum Sheet Metal Ductwork	33.74	3.38
		For Work In Restricted Working Space, Add	*8.63*	
		For Up To 200, Add	*11.62*	
		For >200 To 500, Add	*7.32*	
		For >500 To 1,000, Add	*5.07*	
		For >1,000 To 2,000, Add	*2.85*	
		For >2,000 To 5,000, Add	*1.30*	
		For Elevated Installation >10' To 15', Add	*1.73*	
		For Elevated Installation >15' To 20', Add	*3.45*	
		For Elevated Installation >20' To 25', Add	*4.31*	
		For Elevated Installation >25' To 30', Add	*6.04*	
		For Elevated Installation >30' To 35', Add	*6.90*	
		For Elevated Installation >35' To 40', Add	*8.63*	
		For Elevated Installation >40', Add	*9.49*	
23 31 13 13-0010		Type 304, Stainless Steel Sheet Metal Ductwork *(23 31 13 13-0001)*		
		Note: SMACNA weight for stainless steel ductwork LB/SF (surface areas) by gauge: 26 gauge - 0.748 LB/SF; 24 gauge - 0.987 LB/SF; 22 gauge – 1.231 LB/SF; 20 gauge - 1.491 LB/SF; 18 gauge - 2.016 LB/SF; 16 gauge - 2.499 LB/SF; 14 gauge – 3.154 LB/SF; 12 gauge – 4.427 LB/SF		
23 31 13 13-0011	LB	Seal Class C, Type 304, Stainless Steel Sheet Metal Ductwork	18.65	4.50
		For Work In Restricted Working Space, Add	*3.79*	
		For Welded Seams, Add	*6.62*	
		For Up To 200, Add	*7.40*	
		For >200 To 500, Add	*4.86*	
		For >500 To 1,000, Add	*3.03*	
		For >1,000 To 2,000, Add	*1.67*	
		For >2,000 To 5,000, Add	*0.69*	
		For Elevated Installation >10' To 15', Add	*0.76*	
		For Elevated Installation >15' To 20', Add	*1.52*	
		For Elevated Installation >20' To 25', Add	*1.89*	
		For Elevated Installation >25' To 30', Add	*2.65*	
		For Elevated Installation >30' To 35', Add	*3.03*	
		For Elevated Installation >35' To 40', Add	*3.79*	
		For Elevated Installation >40', Add	*4.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0012	LB	Seal Class B, Type 304, Stainless Steel Sheet Metal Ductwork	21.50	4.50
		For Work In Restricted Working Space, Add	*4.57*	
		For Welded Seams, Add	*7.93*	
		For Up To 200, Add	*8.33*	
		For >200 To 500, Add	*5.44*	
		For >500 To 1,000, Add	*3.45*	
		For >1,000 To 2,000, Add	*1.91*	
		For >2,000 To 5,000, Add	*0.80*	
		For Elevated Installation >10' To 15', Add	*0.91*	
		For Elevated Installation >15' To 20', Add	*1.83*	
		For Elevated Installation >20' To 25', Add	*2.28*	
		For Elevated Installation >25' To 30', Add	*3.20*	
		For Elevated Installation >30' To 35', Add	*3.66*	
		For Elevated Installation >35' To 40', Add	*4.57*	
		For Elevated Installation >40', Add	*5.03*	
23 31 13 13-0013	LB	Seal Class A, Type 304, Stainless Steel Sheet Metal Ductwork	24.18	4.50
		For Work In Restricted Working Space, Add	*5.30*	
		For Welded Seams, Add	*9.16*	
		For Up To 200, Add	*9.21*	
		For >200 To 500, Add	*5.98*	
		For >500 To 1,000, Add	*3.84*	
		For >1,000 To 2,000, Add	*2.13*	
		For >2,000 To 5,000, Add	*0.90*	
		For Elevated Installation >10' To 15', Add	*1.06*	
		For Elevated Installation >15' To 20', Add	*2.12*	
		For Elevated Installation >20' To 25', Add	*2.65*	
		For Elevated Installation >25' To 30', Add	*3.71*	
		For Elevated Installation >30' To 35', Add	*4.24*	
		For Elevated Installation >35' To 40', Add	*5.30*	
		For Elevated Installation >40', Add	*5.83*	

23 31 13 13-0014 Galvanized Steel Sheet Metal Ductwork By LF *(23 31 13 13-0001)*

Note: Ductwork includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed. For fittings add the following equivalent lengths: 0.75' for duct end cap; 1.5' for tap-in; 2.5' for 45-degree elbows; 3' for 90-degree elbows, transition, taper, register box; 4' for 45-degree reducing elbow, offset, turning vanes installed in elbows; 5' for 90-degree reducing elbow, 135-degree angle gooseneck, boots; and 6' for transition/reducer.

23 31 13 13-0015 30 Gauge Galvanized Steel Metal Ductwork *(23 31 13 13-0014)*

Note: Seal Class C

23 31 13 13-0016	LF	4" x 4", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	13.65	6.94
		For Seal Class B, Add	*1.74*	
		For Seal Class A, Add	*3.71*	
		For Work In Restricted Working Space, Add	*3.47*	
23 31 13 13-0017	LF	4" x 6", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	17.04	8.68
		For Seal Class B, Add	*2.17*	
		For Seal Class A, Add	*4.63*	
		For Work In Restricted Working Space, Add	*4.34*	
23 31 13 13-0018	LF	4" x 8", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	20.46	10.42
		For Seal Class B, Add	*2.60*	
		For Seal Class A, Add	*5.56*	
		For Work In Restricted Working Space, Add	*5.21*	
23 31 13 13-0019	LF	4" x 10", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	23.85	12.15
		For Seal Class B, Add	*3.04*	
		For Seal Class A, Add	*6.48*	
		For Work In Restricted Working Space, Add	*6.08*	
23 31 13 13-0020	LF	4" x 12", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	27.28	13.89
		For Seal Class B, Add	*3.47*	
		For Seal Class A, Add	*7.41*	
		For Work In Restricted Working Space, Add	*6.95*	
23 31 13 13-0021	LF	4" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	30.67	15.63
		For Seal Class B, Add	*3.91*	
		For Seal Class A, Add	*8.33*	
		For Work In Restricted Working Space, Add	*7.81*	
23 31 13 13-0022	LF	4" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	34.08	17.36
		For Seal Class B, Add	*4.34*	
		For Seal Class A, Add	*9.26*	
		For Work In Restricted Working Space, Add	*8.68*	
23 31 13 13-0023	LF	6" x 6", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	20.46	10.42
		For Seal Class B, Add	*2.60*	
		For Seal Class A, Add	*5.56*	
		For Work In Restricted Working Space, Add	*5.21*	
23 31 13 13-0024	LF	6" x 8", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	23.85	12.15
		For Seal Class B, Add	*3.04*	
		For Seal Class A, Add	*6.48*	
		For Work In Restricted Working Space, Add	*6.08*	
23 31 13 13-0025	LF	6" x 10", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	27.28	13.89
		For Seal Class B, Add	*3.47*	
		For Seal Class A, Add	*7.41*	
		For Work In Restricted Working Space, Add	*6.95*	
23 31 13 13-0026	LF	6" x 12", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	30.67	15.63
		For Seal Class B, Add	*3.91*	
		For Seal Class A, Add	*8.33*	
		For Work In Restricted Working Space, Add	*7.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0027	LF	6" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	34.08	17.36
		For Seal Class B, Add	*4.34*	
		For Seal Class A, Add	*9.26*	
		For Work In Restricted Working Space, Add	*8.68*	
23 31 13 13-0028	LF	6" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	37.50	19.10
		For Seal Class B, Add	*4.77*	
		For Seal Class A, Add	*10.19*	
		For Work In Restricted Working Space, Add	*9.55*	
23 31 13 13-0029	LF	8" x 8", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	27.28	13.89
		For Seal Class B, Add	*3.47*	
		For Seal Class A, Add	*7.41*	
		For Work In Restricted Working Space, Add	*6.95*	
23 31 13 13-0030	LF	8" x 10", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	30.67	15.63
		For Seal Class B, Add	*3.91*	
		For Seal Class A, Add	*8.33*	
		For Work In Restricted Working Space, Add	*7.81*	
23 31 13 13-0031	LF	8" x 12", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	34.08	17.36
		For Seal Class B, Add	*4.34*	
		For Seal Class A, Add	*9.26*	
		For Work In Restricted Working Space, Add	*8.68*	
23 31 13 13-0032	LF	8" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	37.50	19.10
		For Seal Class B, Add	*4.77*	
		For Seal Class A, Add	*10.19*	
		For Work In Restricted Working Space, Add	*9.55*	
23 31 13 13-0033	LF	8" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	40.89	20.83
		For Seal Class B, Add	*5.21*	
		For Seal Class A, Add	*11.11*	
		For Work In Restricted Working Space, Add	*10.42*	
23 31 13 13-0034	LF	8" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	44.32	22.57
		For Seal Class B, Add	*5.64*	
		For Seal Class A, Add	*12.04*	
		For Work In Restricted Working Space, Add	*11.29*	
23 31 13 13-0035	LF	8" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	47.71	24.31
		For Seal Class B, Add	*6.08*	
		For Seal Class A, Add	*12.96*	
		For Work In Restricted Working Space, Add	*12.15*	
23 31 13 13-0036	LF	8" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	51.13	26.04
		For Seal Class B, Add	*6.51*	
		For Seal Class A, Add	*13.89*	
		For Work In Restricted Working Space, Add	*13.02*	
23 31 13 13-0037	LF	8" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	54.53	27.78
		For Seal Class B, Add	*6.94*	
		For Seal Class A, Add	*14.81*	
		For Work In Restricted Working Space, Add	*13.89*	
23 31 13 13-0038	LF	10" x 10", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	34.08	17.36
		For Seal Class B, Add	*4.34*	
		For Seal Class A, Add	*9.26*	
		For Work In Restricted Working Space, Add	*8.68*	
23 31 13 13-0039	LF	10" x 12", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	37.50	19.10
		For Seal Class B, Add	*4.77*	
		For Seal Class A, Add	*10.19*	
		For Work In Restricted Working Space, Add	*9.55*	
23 31 13 13-0040	LF	10" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	40.89	20.83
		For Seal Class B, Add	*5.21*	
		For Seal Class A, Add	*11.11*	
		For Work In Restricted Working Space, Add	*10.42*	
23 31 13 13-0041	LF	10" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	44.32	22.57
		For Seal Class B, Add	*5.64*	
		For Seal Class A, Add	*12.04*	
		For Work In Restricted Working Space, Add	*11.29*	
23 31 13 13-0042	LF	10" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	47.71	24.31
		For Seal Class B, Add	*6.08*	
		For Seal Class A, Add	*12.96*	
		For Work In Restricted Working Space, Add	*12.15*	
23 31 13 13-0043	LF	10" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	51.13	26.04
		For Seal Class B, Add	*6.51*	
		For Seal Class A, Add	*13.89*	
		For Work In Restricted Working Space, Add	*13.02*	
23 31 13 13-0044	LF	10" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	54.53	27.78
		For Seal Class B, Add	*6.94*	
		For Seal Class A, Add	*14.81*	
		For Work In Restricted Working Space, Add	*13.89*	
23 31 13 13-0045	LF	10" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	57.95	29.51
		For Seal Class B, Add	*7.38*	
		For Seal Class A, Add	*15.74*	
		For Work In Restricted Working Space, Add	*14.76*	
23 31 13 13-0046	LF	12" x 12", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	40.89	20.83
		For Seal Class B, Add	*5.21*	
		For Seal Class A, Add	*11.11*	
		For Work In Restricted Working Space, Add	*10.42*	
23 31 13 13-0047	LF	12" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	44.32	22.57
		For Seal Class B, Add	*5.64*	
		For Seal Class A, Add	*12.04*	
		For Work In Restricted Working Space, Add	*11.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0048	LF	12" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	47.71	24.31
		For Seal Class B, Add	*6.08*	
		For Seal Class A, Add	*12.96*	
		For Work In Restricted Working Space, Add	*12.15*	
23 31 13 13-0049	LF	12" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	51.13	26.04
		For Seal Class B, Add	*6.51*	
		For Seal Class A, Add	*13.89*	
		For Work In Restricted Working Space, Add	*13.02*	
23 31 13 13-0050	LF	12" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	54.53	27.78
		For Seal Class B, Add	*6.94*	
		For Seal Class A, Add	*14.81*	
		For Work In Restricted Working Space, Add	*13.89*	
23 31 13 13-0051	LF	12" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	57.95	29.51
		For Seal Class B, Add	*7.38*	
		For Seal Class A, Add	*15.74*	
		For Work In Restricted Working Space, Add	*14.76*	
23 31 13 13-0052	LF	12" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	61.36	31.25
		For Seal Class B, Add	*7.81*	
		For Seal Class A, Add	*16.67*	
		For Work In Restricted Working Space, Add	*15.63*	
23 31 13 13-0053	LF	14" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	47.71	24.31
		For Seal Class B, Add	*6.08*	
		For Seal Class A, Add	*12.96*	
		For Work In Restricted Working Space, Add	*12.15*	
23 31 13 13-0054	LF	14" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	51.13	26.04
		For Seal Class B, Add	*6.51*	
		For Seal Class A, Add	*13.89*	
		For Work In Restricted Working Space, Add	*13.02*	
23 31 13 13-0055	LF	14" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	54.53	27.78
		For Seal Class B, Add	*6.94*	
		For Seal Class A, Add	*14.81*	
		For Work In Restricted Working Space, Add	*13.89*	
23 31 13 13-0056	LF	14" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	57.95	29.51
		For Seal Class B, Add	*7.38*	
		For Seal Class A, Add	*15.74*	
		For Work In Restricted Working Space, Add	*14.76*	
23 31 13 13-0057	LF	14" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	61.36	31.25
		For Seal Class B, Add	*7.81*	
		For Seal Class A, Add	*16.67*	
		For Work In Restricted Working Space, Add	*15.63*	
23 31 13 13-0058	LF	14" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	64.78	32.99
		For Seal Class B, Add	*8.25*	
		For Seal Class A, Add	*17.59*	
		For Work In Restricted Working Space, Add	*16.49*	
23 31 13 13-0059	LF	16" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	54.53	27.78
		For Seal Class B, Add	*6.94*	
		For Seal Class A, Add	*14.81*	
		For Work In Restricted Working Space, Add	*13.89*	
23 31 13 13-0060	LF	16" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	57.95	29.51
		For Seal Class B, Add	*7.38*	
		For Seal Class A, Add	*15.74*	
		For Work In Restricted Working Space, Add	*14.76*	
23 31 13 13-0061	LF	16" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	61.36	31.25
		For Seal Class B, Add	*7.81*	
		For Seal Class A, Add	*16.67*	
		For Work In Restricted Working Space, Add	*15.63*	
23 31 13 13-0062	LF	16" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	64.78	32.99
		For Seal Class B, Add	*8.25*	
		For Seal Class A, Add	*17.59*	
		For Work In Restricted Working Space, Add	*16.49*	
23 31 13 13-0063	LF	16" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	68.17	34.72
		For Seal Class B, Add	*8.68*	
		For Seal Class A, Add	*18.52*	
		For Work In Restricted Working Space, Add	*17.36*	
23 31 13 13-0064	LF	18" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	61.36	31.25
		For Seal Class B, Add	*7.81*	
		For Seal Class A, Add	*16.67*	
		For Work In Restricted Working Space, Add	*15.63*	
23 31 13 13-0065	LF	18" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	64.78	32.99
		For Seal Class B, Add	*8.25*	
		For Seal Class A, Add	*17.59*	
		For Work In Restricted Working Space, Add	*16.49*	
23 31 13 13-0066	LF	18" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	68.17	34.72
		For Seal Class B, Add	*8.68*	
		For Seal Class A, Add	*18.52*	
		For Work In Restricted Working Space, Add	*17.36*	
23 31 13 13-0067	LF	18" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	71.55	36.46
		For Seal Class B, Add	*9.11*	
		For Seal Class A, Add	*19.44*	
		For Work In Restricted Working Space, Add	*18.23*	
23 31 13 13-0068	LF	20" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	68.17	34.72
		For Seal Class B, Add	*8.68*	
		For Seal Class A, Add	*18.52*	
		For Work In Restricted Working Space, Add	*17.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0069	LF	20" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	71.55	36.46
		For Seal Class B, Add	*9.11*	
		For Seal Class A, Add	*19.44*	
		For Work In Restricted Working Space, Add	*18.23*	
23 31 13 13-0070	LF	20" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	74.97	38.19
		For Seal Class B, Add	*9.55*	
		For Seal Class A, Add	*20.36*	
		For Work In Restricted Working Space, Add	*19.09*	
23 31 13 13-0071	LF	22" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	74.97	38.19
		For Seal Class B, Add	*9.55*	
		For Seal Class A, Add	*20.36*	
		For Work In Restricted Working Space, Add	*19.09*	
23 31 13 13-0072	LF	22" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	78.38	39.93
		For Seal Class B, Add	*9.98*	
		For Seal Class A, Add	*21.29*	
		For Work In Restricted Working Space, Add	*19.96*	
23 31 13 13-0073	LF	24" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	81.81	41.67
		For Seal Class B, Add	*10.42*	
		For Seal Class A, Add	*22.22*	
		For Work In Restricted Working Space, Add	*20.83*	

23 31 13 13-0074 28 Gauge Galvanized Steel Metal Ductwork *(23 31 13 13-0014)*

Note: Seal Class C

23 31 13 13-0075	LF	4" x 4", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	16.22	8.27
		For Seal Class B, Add	*2.07*	
		For Seal Class A, Add	*4.41*	
		For Work In Restricted Working Space, Add	*4.13*	
23 31 13 13-0076	LF	4" x 6", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	20.29	10.33
		For Seal Class B, Add	*2.58*	
		For Seal Class A, Add	*5.51*	
		For Work In Restricted Working Space, Add	*5.17*	
23 31 13 13-0077	LF	4" x 8", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	24.35	12.39
		For Seal Class B, Add	*3.10*	
		For Seal Class A, Add	*6.61*	
		For Work In Restricted Working Space, Add	*6.20*	
23 31 13 13-0078	LF	4" x 10", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	28.39	14.47
		For Seal Class B, Add	*3.62*	
		For Seal Class A, Add	*7.72*	
		For Work In Restricted Working Space, Add	*7.23*	
23 31 13 13-0079	LF	4" x 12", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	32.46	16.54
		For Seal Class B, Add	*4.13*	
		For Seal Class A, Add	*8.82*	
		For Work In Restricted Working Space, Add	*8.27*	
23 31 13 13-0080	LF	4" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	36.52	18.60
		For Seal Class B, Add	*4.65*	
		For Seal Class A, Add	*9.92*	
		For Work In Restricted Working Space, Add	*9.30*	
23 31 13 13-0081	LF	4" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	40.57	20.67
		For Seal Class B, Add	*5.17*	
		For Seal Class A, Add	*11.02*	
		For Work In Restricted Working Space, Add	*10.34*	
23 31 13 13-0082	LF	6" x 6", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	24.35	12.39
		For Seal Class B, Add	*3.10*	
		For Seal Class A, Add	*6.61*	
		For Work In Restricted Working Space, Add	*6.20*	
23 31 13 13-0083	LF	6" x 8", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	28.39	14.47
		For Seal Class B, Add	*3.62*	
		For Seal Class A, Add	*7.72*	
		For Work In Restricted Working Space, Add	*7.23*	
23 31 13 13-0084	LF	6" x 10", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	32.46	16.54
		For Seal Class B, Add	*4.13*	
		For Seal Class A, Add	*8.82*	
		For Work In Restricted Working Space, Add	*8.27*	
23 31 13 13-0085	LF	6" x 12", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	36.52	18.60
		For Seal Class B, Add	*4.65*	
		For Seal Class A, Add	*9.92*	
		For Work In Restricted Working Space, Add	*9.30*	
23 31 13 13-0086	LF	6" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	40.57	20.67
		For Seal Class B, Add	*5.17*	
		For Seal Class A, Add	*11.02*	
		For Work In Restricted Working Space, Add	*10.34*	
23 31 13 13-0087	LF	6" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	44.65	22.74
		For Seal Class B, Add	*5.69*	
		For Seal Class A, Add	*12.13*	
		For Work In Restricted Working Space, Add	*11.37*	
23 31 13 13-0088	LF	8" x 8", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	32.46	16.54
		For Seal Class B, Add	*4.13*	
		For Seal Class A, Add	*8.82*	
		For Work In Restricted Working Space, Add	*8.27*	
23 31 13 13-0089	LF	8" x 10", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	36.52	18.60
		For Seal Class B, Add	*4.65*	
		For Seal Class A, Add	*9.92*	
		For Work In Restricted Working Space, Add	*9.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0090	LF	8" x 12", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	40.57	20.67
		For Seal Class B, Add	*5.17*	
		For Seal Class A, Add	*11.02*	
		For Work In Restricted Working Space, Add	*10.34*	
23 31 13 13-0091	LF	8" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	44.65	22.74
		For Seal Class B, Add	*5.69*	
		For Seal Class A, Add	*12.13*	
		For Work In Restricted Working Space, Add	*11.37*	
23 31 13 13-0092	LF	8" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	48.68	24.80
		For Seal Class B, Add	*6.20*	
		For Seal Class A, Add	*13.23*	
		For Work In Restricted Working Space, Add	*12.40*	
23 31 13 13-0093	LF	8" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	52.74	26.86
		For Seal Class B, Add	*6.72*	
		For Seal Class A, Add	*14.33*	
		For Work In Restricted Working Space, Add	*13.43*	
23 31 13 13-0094	LF	8" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	56.82	28.94
		For Seal Class B, Add	*7.23*	
		For Seal Class A, Add	*15.43*	
		For Work In Restricted Working Space, Add	*14.47*	
23 31 13 13-0095	LF	8" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	60.85	31.00
		For Seal Class B, Add	*7.75*	
		For Seal Class A, Add	*16.53*	
		For Work In Restricted Working Space, Add	*15.50*	
23 31 13 13-0096	LF	8" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	64.93	33.07
		For Seal Class B, Add	*8.27*	
		For Seal Class A, Add	*17.64*	
		For Work In Restricted Working Space, Add	*16.53*	
23 31 13 13-0097	LF	10" x 10", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	40.57	20.67
		For Seal Class B, Add	*5.17*	
		For Seal Class A, Add	*11.02*	
		For Work In Restricted Working Space, Add	*10.34*	
23 31 13 13-0098	LF	10" x 12", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	44.65	22.74
		For Seal Class B, Add	*5.69*	
		For Seal Class A, Add	*12.13*	
		For Work In Restricted Working Space, Add	*11.37*	
23 31 13 13-0099	LF	10" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	48.68	24.80
		For Seal Class B, Add	*6.20*	
		For Seal Class A, Add	*13.23*	
		For Work In Restricted Working Space, Add	*12.40*	
23 31 13 13-0100	LF	10" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	52.74	26.86
		For Seal Class B, Add	*6.72*	
		For Seal Class A, Add	*14.33*	
		For Work In Restricted Working Space, Add	*13.43*	
23 31 13 13-0101	LF	10" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	56.82	28.94
		For Seal Class B, Add	*7.23*	
		For Seal Class A, Add	*15.43*	
		For Work In Restricted Working Space, Add	*14.47*	
23 31 13 13-0102	LF	10" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	60.85	31.00
		For Seal Class B, Add	*7.75*	
		For Seal Class A, Add	*16.53*	
		For Work In Restricted Working Space, Add	*15.50*	
23 31 13 13-0103	LF	10" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	64.93	33.07
		For Seal Class B, Add	*8.27*	
		For Seal Class A, Add	*17.64*	
		For Work In Restricted Working Space, Add	*16.53*	
23 31 13 13-0104	LF	10" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	69.00	35.14
		For Seal Class B, Add	*8.79*	
		For Seal Class A, Add	*18.74*	
		For Work In Restricted Working Space, Add	*17.57*	
23 31 13 13-0105	LF	12" x 12", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	48.68	24.80
		For Seal Class B, Add	*6.20*	
		For Seal Class A, Add	*13.23*	
		For Work In Restricted Working Space, Add	*12.40*	
23 31 13 13-0106	LF	12" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	52.74	26.86
		For Seal Class B, Add	*6.72*	
		For Seal Class A, Add	*14.33*	
		For Work In Restricted Working Space, Add	*13.43*	
23 31 13 13-0107	LF	12" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	56.82	28.94
		For Seal Class B, Add	*7.23*	
		For Seal Class A, Add	*15.43*	
		For Work In Restricted Working Space, Add	*14.47*	
23 31 13 13-0108	LF	12" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	60.85	31.00
		For Seal Class B, Add	*7.75*	
		For Seal Class A, Add	*16.53*	
		For Work In Restricted Working Space, Add	*15.50*	
23 31 13 13-0109	LF	12" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	64.93	33.07
		For Seal Class B, Add	*8.27*	
		For Seal Class A, Add	*17.64*	
		For Work In Restricted Working Space, Add	*16.53*	
23 31 13 13-0110	LF	12" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	69.00	35.14
		For Seal Class B, Add	*8.79*	
		For Seal Class A, Add	*18.74*	
		For Work In Restricted Working Space, Add	*17.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0111	LF	12" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	73.03	37.19
		For Seal Class B, Add	*9.30*	
		For Seal Class A, Add	*19.84*	
		For Work In Restricted Working Space, Add	*18.60*	
23 31 13 13-0112	LF	14" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	56.82	28.94
		For Seal Class B, Add	*7.23*	
		For Seal Class A, Add	*15.43*	
		For Work In Restricted Working Space, Add	*14.47*	
23 31 13 13-0113	LF	14" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	60.85	31.00
		For Seal Class B, Add	*7.75*	
		For Seal Class A, Add	*16.53*	
		For Work In Restricted Working Space, Add	*15.50*	
23 31 13 13-0114	LF	14" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	64.93	33.07
		For Seal Class B, Add	*8.27*	
		For Seal Class A, Add	*17.64*	
		For Work In Restricted Working Space, Add	*16.53*	
23 31 13 13-0115	LF	14" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	69.00	35.14
		For Seal Class B, Add	*8.79*	
		For Seal Class A, Add	*18.74*	
		For Work In Restricted Working Space, Add	*17.57*	
23 31 13 13-0116	LF	14" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	73.03	37.19
		For Seal Class B, Add	*9.30*	
		For Seal Class A, Add	*19.84*	
		For Work In Restricted Working Space, Add	*18.60*	
23 31 13 13-0117	LF	14" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	77.11	39.27
		For Seal Class B, Add	*9.82*	
		For Seal Class A, Add	*20.94*	
		For Work In Restricted Working Space, Add	*19.64*	
23 31 13 13-0118	LF	16" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	64.93	33.07
		For Seal Class B, Add	*8.27*	
		For Seal Class A, Add	*17.64*	
		For Work In Restricted Working Space, Add	*16.53*	
23 31 13 13-0119	LF	16" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	69.00	35.14
		For Seal Class B, Add	*8.79*	
		For Seal Class A, Add	*18.74*	
		For Work In Restricted Working Space, Add	*17.57*	
23 31 13 13-0120	LF	16" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	73.03	37.19
		For Seal Class B, Add	*9.30*	
		For Seal Class A, Add	*19.84*	
		For Work In Restricted Working Space, Add	*18.60*	
23 31 13 13-0121	LF	16" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	77.11	39.27
		For Seal Class B, Add	*9.82*	
		For Seal Class A, Add	*20.94*	
		For Work In Restricted Working Space, Add	*19.64*	
23 31 13 13-0122	LF	16" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	81.16	41.33
		For Seal Class B, Add	*10.33*	
		For Seal Class A, Add	*22.04*	
		For Work In Restricted Working Space, Add	*20.67*	
23 31 13 13-0123	LF	18" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	73.03	37.19
		For Seal Class B, Add	*9.30*	
		For Seal Class A, Add	*19.84*	
		For Work In Restricted Working Space, Add	*18.60*	
23 31 13 13-0124	LF	18" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	77.11	39.27
		For Seal Class B, Add	*9.82*	
		For Seal Class A, Add	*20.94*	
		For Work In Restricted Working Space, Add	*19.64*	
23 31 13 13-0125	LF	18" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	81.16	41.33
		For Seal Class B, Add	*10.33*	
		For Seal Class A, Add	*22.04*	
		For Work In Restricted Working Space, Add	*20.67*	
23 31 13 13-0126	LF	18" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	85.20	43.41
		For Seal Class B, Add	*10.85*	
		For Seal Class A, Add	*23.15*	
		For Work In Restricted Working Space, Add	*21.70*	
23 31 13 13-0127	LF	20" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	81.16	41.33
		For Seal Class B, Add	*10.33*	
		For Seal Class A, Add	*22.04*	
		For Work In Restricted Working Space, Add	*20.67*	
23 31 13 13-0128	LF	20" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	85.20	43.41
		For Seal Class B, Add	*10.85*	
		For Seal Class A, Add	*23.15*	
		For Work In Restricted Working Space, Add	*21.70*	
23 31 13 13-0129	LF	20" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	89.28	45.47
		For Seal Class B, Add	*11.37*	
		For Seal Class A, Add	*24.25*	
		For Work In Restricted Working Space, Add	*22.73*	
23 31 13 13-0130	LF	22" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	89.28	45.47
		For Seal Class B, Add	*11.37*	
		For Seal Class A, Add	*24.25*	
		For Work In Restricted Working Space, Add	*22.73*	
23 31 13 13-0131	LF	22" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	93.32	47.54
		For Seal Class B, Add	*11.88*	
		For Seal Class A, Add	*25.35*	
		For Work In Restricted Working Space, Add	*23.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0132	LF	24" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	97.39	49.61
		For Seal Class B, Add	*12.40*	
		For Seal Class A, Add	*26.46*	
		For Work In Restricted Working Space, Add	*24.80*	

23 31 13 13-0133 26 Gauge Galvanized Steel Metal Ductwork *(23 31 13 13-0014)*

Note: Seal Class C

23 31 13 13-0134	LF	4" x 4", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	18.83	9.58
		For Seal Class B, Add	*2.40*	
		For Seal Class A, Add	*5.12*	
		For Work In Restricted Working Space, Add	*4.80*	
23 31 13 13-0135	LF	4" x 6", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	23.54	11.98
		For Seal Class B, Add	*3.00*	
		For Seal Class A, Add	*6.39*	
		For Work In Restricted Working Space, Add	*5.99*	
23 31 13 13-0136	LF	4" x 8", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	28.24	14.39
		For Seal Class B, Add	*3.60*	
		For Seal Class A, Add	*7.67*	
		For Work In Restricted Working Space, Add	*7.19*	
23 31 13 13-0137	LF	4" x 10", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	32.95	16.79
		For Seal Class B, Add	*4.20*	
		For Seal Class A, Add	*8.95*	
		For Work In Restricted Working Space, Add	*8.39*	
23 31 13 13-0138	LF	4" x 12", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	37.65	19.19
		For Seal Class B, Add	*4.79*	
		For Seal Class A, Add	*10.23*	
		For Work In Restricted Working Space, Add	*9.59*	
23 31 13 13-0139	LF	4" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	42.36	21.58
		For Seal Class B, Add	*5.39*	
		For Seal Class A, Add	*11.51*	
		For Work In Restricted Working Space, Add	*10.79*	
23 31 13 13-0140	LF	4" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	47.06	23.97
		For Seal Class B, Add	*5.99*	
		For Seal Class A, Add	*12.79*	
		For Work In Restricted Working Space, Add	*11.99*	
23 31 13 13-0141	LF	6" x 6", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	28.24	14.39
		For Seal Class B, Add	*3.60*	
		For Seal Class A, Add	*7.67*	
		For Work In Restricted Working Space, Add	*7.19*	
23 31 13 13-0142	LF	6" x 8", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	32.95	16.79
		For Seal Class B, Add	*4.20*	
		For Seal Class A, Add	*8.95*	
		For Work In Restricted Working Space, Add	*8.39*	
23 31 13 13-0143	LF	6" x 10", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	37.65	19.19
		For Seal Class B, Add	*4.79*	
		For Seal Class A, Add	*10.23*	
		For Work In Restricted Working Space, Add	*9.59*	
23 31 13 13-0144	LF	6" x 12", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	42.36	21.58
		For Seal Class B, Add	*5.39*	
		For Seal Class A, Add	*11.51*	
		For Work In Restricted Working Space, Add	*10.79*	
23 31 13 13-0145	LF	6" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	47.06	23.97
		For Seal Class B, Add	*5.99*	
		For Seal Class A, Add	*12.79*	
		For Work In Restricted Working Space, Add	*11.99*	
23 31 13 13-0146	LF	6" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	51.78	26.37
		For Seal Class B, Add	*6.59*	
		For Seal Class A, Add	*14.06*	
		For Work In Restricted Working Space, Add	*13.19*	
23 31 13 13-0147	LF	8" x 8", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	37.65	19.19
		For Seal Class B, Add	*4.79*	
		For Seal Class A, Add	*10.23*	
		For Work In Restricted Working Space, Add	*9.59*	
23 31 13 13-0148	LF	8" x 10", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	42.36	21.58
		For Seal Class B, Add	*5.39*	
		For Seal Class A, Add	*11.51*	
		For Work In Restricted Working Space, Add	*10.79*	
23 31 13 13-0149	LF	8" x 12", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	47.07	23.97
		For Seal Class B, Add	*5.99*	
		For Seal Class A, Add	*12.79*	
		For Work In Restricted Working Space, Add	*11.99*	
23 31 13 13-0150	LF	8" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	51.78	26.37
		For Seal Class B, Add	*6.59*	
		For Seal Class A, Add	*14.06*	
		For Work In Restricted Working Space, Add	*13.19*	
23 31 13 13-0151	LF	8" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	56.50	28.77
		For Seal Class B, Add	*7.19*	
		For Seal Class A, Add	*15.35*	
		For Work In Restricted Working Space, Add	*14.39*	
23 31 13 13-0152	LF	8" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	61.19	31.17
		For Seal Class B, Add	*7.79*	
		For Seal Class A, Add	*16.62*	
		For Work In Restricted Working Space, Add	*15.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0153	LF	8" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	65.90	33.57
		For Seal Class B, Add	*8.39*	
		For Seal Class A, Add	*17.90*	
		For Work In Restricted Working Space, Add	*16.79*	
23 31 13 13-0154	LF	8" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	70.62	35.96
		For Seal Class B, Add	*8.99*	
		For Seal Class A, Add	*19.18*	
		For Work In Restricted Working Space, Add	*17.98*	
23 31 13 13-0155	LF	8" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	75.31	38.35
		For Seal Class B, Add	*9.59*	
		For Seal Class A, Add	*20.46*	
		For Work In Restricted Working Space, Add	*19.18*	
23 31 13 13-0156	LF	10" x 10", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	47.07	23.97
		For Seal Class B, Add	*5.99*	
		For Seal Class A, Add	*12.79*	
		For Work In Restricted Working Space, Add	*11.99*	
23 31 13 13-0157	LF	10" x 12", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	51.77	26.37
		For Seal Class B, Add	*6.59*	
		For Seal Class A, Add	*14.06*	
		For Work In Restricted Working Space, Add	*13.19*	
23 31 13 13-0158	LF	10" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	56.50	28.77
		For Seal Class B, Add	*7.19*	
		For Seal Class A, Add	*15.35*	
		For Work In Restricted Working Space, Add	*14.39*	
23 31 13 13-0159	LF	10" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	61.19	31.17
		For Seal Class B, Add	*7.79*	
		For Seal Class A, Add	*16.62*	
		For Work In Restricted Working Space, Add	*15.59*	
23 31 13 13-0160	LF	10" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	65.90	33.57
		For Seal Class B, Add	*8.39*	
		For Seal Class A, Add	*17.90*	
		For Work In Restricted Working Space, Add	*16.79*	
23 31 13 13-0161	LF	10" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	70.62	35.96
		For Seal Class B, Add	*8.99*	
		For Seal Class A, Add	*19.18*	
		For Work In Restricted Working Space, Add	*17.98*	
23 31 13 13-0162	LF	10" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	75.31	38.35
		For Seal Class B, Add	*9.59*	
		For Seal Class A, Add	*20.46*	
		For Work In Restricted Working Space, Add	*19.18*	
23 31 13 13-0163	LF	10" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	80.03	40.76
		For Seal Class B, Add	*10.19*	
		For Seal Class A, Add	*21.74*	
		For Work In Restricted Working Space, Add	*20.38*	
23 31 13 13-0164	LF	12" x 12", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	56.49	28.77
		For Seal Class B, Add	*7.19*	
		For Seal Class A, Add	*15.35*	
		For Work In Restricted Working Space, Add	*14.39*	
23 31 13 13-0165	LF	12" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	61.19	31.17
		For Seal Class B, Add	*7.79*	
		For Seal Class A, Add	*16.62*	
		For Work In Restricted Working Space, Add	*15.59*	
23 31 13 13-0166	LF	12" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	65.90	33.57
		For Seal Class B, Add	*8.39*	
		For Seal Class A, Add	*17.90*	
		For Work In Restricted Working Space, Add	*16.79*	
23 31 13 13-0167	LF	12" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	70.62	35.96
		For Seal Class B, Add	*8.99*	
		For Seal Class A, Add	*19.18*	
		For Work In Restricted Working Space, Add	*17.98*	
23 31 13 13-0168	LF	12" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	75.31	38.35
		For Seal Class B, Add	*9.59*	
		For Seal Class A, Add	*20.46*	
		For Work In Restricted Working Space, Add	*19.18*	
23 31 13 13-0169	LF	12" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	80.03	40.76
		For Seal Class B, Add	*10.19*	
		For Seal Class A, Add	*21.74*	
		For Work In Restricted Working Space, Add	*20.38*	
23 31 13 13-0170	LF	12" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	84.72	43.16
		For Seal Class B, Add	*10.79*	
		For Seal Class A, Add	*23.02*	
		For Work In Restricted Working Space, Add	*21.58*	
23 31 13 13-0171	LF	14" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	65.90	33.57
		For Seal Class B, Add	*8.39*	
		For Seal Class A, Add	*17.90*	
		For Work In Restricted Working Space, Add	*16.79*	
23 31 13 13-0172	LF	14" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	70.62	35.96
		For Seal Class B, Add	*8.99*	
		For Seal Class A, Add	*19.18*	
		For Work In Restricted Working Space, Add	*17.98*	
23 31 13 13-0173	LF	14" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	75.31	38.35
		For Seal Class B, Add	*9.59*	
		For Seal Class A, Add	*20.46*	
		For Work In Restricted Working Space, Add	*19.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0174	LF	14" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	80.03	40.76
		For Seal Class B, Add	*10.19*	
		For Seal Class A, Add	*21.74*	
		For Work In Restricted Working Space, Add	*20.38*	
23 31 13 13-0175	LF	14" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	84.72	43.16
		For Seal Class B, Add	*10.79*	
		For Seal Class A, Add	*23.02*	
		For Work In Restricted Working Space, Add	*21.58*	
23 31 13 13-0176	LF	14" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	89.45	45.56
		For Seal Class B, Add	*11.39*	
		For Seal Class A, Add	*24.30*	
		For Work In Restricted Working Space, Add	*22.78*	
23 31 13 13-0177	LF	16" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	75.31	38.35
		For Seal Class B, Add	*9.59*	
		For Seal Class A, Add	*20.46*	
		For Work In Restricted Working Space, Add	*19.18*	
23 31 13 13-0178	LF	16" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	80.03	40.76
		For Seal Class B, Add	*10.19*	
		For Seal Class A, Add	*21.74*	
		For Work In Restricted Working Space, Add	*20.38*	
23 31 13 13-0179	LF	16" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	84.72	43.16
		For Seal Class B, Add	*10.79*	
		For Seal Class A, Add	*23.02*	
		For Work In Restricted Working Space, Add	*21.58*	
23 31 13 13-0180	LF	16" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	89.45	45.56
		For Seal Class B, Add	*11.39*	
		For Seal Class A, Add	*24.30*	
		For Work In Restricted Working Space, Add	*22.78*	
23 31 13 13-0181	LF	16" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	94.15	47.96
		For Seal Class B, Add	*11.99*	
		For Seal Class A, Add	*25.57*	
		For Work In Restricted Working Space, Add	*23.98*	
23 31 13 13-0182	LF	18" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	84.72	43.16
		For Seal Class B, Add	*10.79*	
		For Seal Class A, Add	*23.02*	
		For Work In Restricted Working Space, Add	*21.58*	
23 31 13 13-0183	LF	18" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	89.45	45.56
		For Seal Class B, Add	*11.39*	
		For Seal Class A, Add	*24.30*	
		For Work In Restricted Working Space, Add	*22.78*	
23 31 13 13-0184	LF	18" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	94.15	47.96
		For Seal Class B, Add	*11.99*	
		For Seal Class A, Add	*25.57*	
		For Work In Restricted Working Space, Add	*23.98*	
23 31 13 13-0185	LF	18" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	98.84	50.35
		For Seal Class B, Add	*12.59*	
		For Seal Class A, Add	*26.85*	
		For Work In Restricted Working Space, Add	*25.17*	
23 31 13 13-0186	LF	20" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	94.15	47.96
		For Seal Class B, Add	*11.99*	
		For Seal Class A, Add	*25.57*	
		For Work In Restricted Working Space, Add	*23.98*	
23 31 13 13-0187	LF	20" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	98.84	50.35
		For Seal Class B, Add	*12.59*	
		For Seal Class A, Add	*26.85*	
		For Work In Restricted Working Space, Add	*25.17*	
23 31 13 13-0188	LF	20" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	103.55	52.74
		For Seal Class B, Add	*13.19*	
		For Seal Class A, Add	*28.13*	
		For Work In Restricted Working Space, Add	*26.37*	
23 31 13 13-0189	LF	22" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	103.55	52.74
		For Seal Class B, Add	*13.19*	
		For Seal Class A, Add	*28.13*	
		For Work In Restricted Working Space, Add	*26.37*	
23 31 13 13-0190	LF	22" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	108.27	55.14
		For Seal Class B, Add	*13.79*	
		For Seal Class A, Add	*29.41*	
		For Work In Restricted Working Space, Add	*27.57*	
23 31 13 13-0191	LF	24" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	112.99	57.54
		For Seal Class B, Add	*14.39*	
		For Seal Class A, Add	*30.69*	
		For Work In Restricted Working Space, Add	*28.77*	

23 31 13 13-0192 24 Gauge Galvanized Steel Metal Ductwork *(23 31 13 13-0014)*

Note: Seal Class C

23 31 13 13-0193	LF	4" x 4", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	28.44	14.88
		For Seal Class B, Add	*3.72*	
		For Seal Class A, Add	*7.94*	
		For Work In Restricted Working Space, Add	*7.44*	
23 31 13 13-0194	LF	4" x 6", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	35.55	18.60
		For Seal Class B, Add	*4.65*	
		For Seal Class A, Add	*9.92*	
		For Work In Restricted Working Space, Add	*9.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0195	LF	4" x 8", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	42.65	22.32
		For Seal Class B, Add	*5.58*	
		For Seal Class A, Add	*11.91*	
		For Work In Restricted Working Space, Add	*11.16*	
23 31 13 13-0196	LF	4" x 10", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	49.76	26.05
		For Seal Class B, Add	*6.51*	
		For Seal Class A, Add	*13.89*	
		For Work In Restricted Working Space, Add	*13.02*	
23 31 13 13-0197	LF	4" x 12", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	56.87	29.77
		For Seal Class B, Add	*7.44*	
		For Seal Class A, Add	*15.88*	
		For Work In Restricted Working Space, Add	*14.88*	
23 31 13 13-0198	LF	4" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	63.98	33.49
		For Seal Class B, Add	*8.37*	
		For Seal Class A, Add	*17.86*	
		For Work In Restricted Working Space, Add	*16.74*	
23 31 13 13-0199	LF	4" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	71.09	37.21
		For Seal Class B, Add	*9.30*	
		For Seal Class A, Add	*19.85*	
		For Work In Restricted Working Space, Add	*18.61*	
23 31 13 13-0200	LF	6" x 6", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	42.65	22.32
		For Seal Class B, Add	*5.58*	
		For Seal Class A, Add	*11.91*	
		For Work In Restricted Working Space, Add	*11.16*	
23 31 13 13-0201	LF	6" x 8", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	49.76	26.05
		For Seal Class B, Add	*6.51*	
		For Seal Class A, Add	*13.89*	
		For Work In Restricted Working Space, Add	*13.02*	
23 31 13 13-0202	LF	6" x 10", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	56.87	29.77
		For Seal Class B, Add	*7.44*	
		For Seal Class A, Add	*15.88*	
		For Work In Restricted Working Space, Add	*14.88*	
23 31 13 13-0203	LF	6" x 12", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	63.98	33.49
		For Seal Class B, Add	*8.37*	
		For Seal Class A, Add	*17.86*	
		For Work In Restricted Working Space, Add	*16.74*	
23 31 13 13-0204	LF	6" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	71.09	37.21
		For Seal Class B, Add	*9.30*	
		For Seal Class A, Add	*19.85*	
		For Work In Restricted Working Space, Add	*18.61*	
23 31 13 13-0205	LF	6" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	78.20	40.93
		For Seal Class B, Add	*10.23*	
		For Seal Class A, Add	*21.83*	
		For Work In Restricted Working Space, Add	*20.47*	
23 31 13 13-0206	LF	8" x 8", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	56.87	29.77
		For Seal Class B, Add	*7.44*	
		For Seal Class A, Add	*15.88*	
		For Work In Restricted Working Space, Add	*14.88*	
23 31 13 13-0207	LF	8" x 10", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	63.98	33.49
		For Seal Class B, Add	*8.37*	
		For Seal Class A, Add	*17.86*	
		For Work In Restricted Working Space, Add	*16.74*	
23 31 13 13-0208	LF	8" x 12", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	71.09	37.21
		For Seal Class B, Add	*9.30*	
		For Seal Class A, Add	*19.85*	
		For Work In Restricted Working Space, Add	*18.61*	
23 31 13 13-0209	LF	8" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	78.20	40.93
		For Seal Class B, Add	*10.23*	
		For Seal Class A, Add	*21.83*	
		For Work In Restricted Working Space, Add	*20.47*	
23 31 13 13-0210	LF	8" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	85.31	44.65
		For Seal Class B, Add	*11.16*	
		For Seal Class A, Add	*23.81*	
		For Work In Restricted Working Space, Add	*22.33*	
23 31 13 13-0211	LF	8" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	92.41	48.37
		For Seal Class B, Add	*12.09*	
		For Seal Class A, Add	*25.80*	
		For Work In Restricted Working Space, Add	*24.18*	
23 31 13 13-0212	LF	8" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	99.51	52.10
		For Seal Class B, Add	*13.02*	
		For Seal Class A, Add	*27.78*	
		For Work In Restricted Working Space, Add	*26.04*	
23 31 13 13-0213	LF	8" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	106.63	55.81
		For Seal Class B, Add	*13.95*	
		For Seal Class A, Add	*29.77*	
		For Work In Restricted Working Space, Add	*27.91*	
23 31 13 13-0214	LF	8" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	113.74	59.53
		For Seal Class B, Add	*14.88*	
		For Seal Class A, Add	*31.75*	
		For Work In Restricted Working Space, Add	*29.77*	
23 31 13 13-0215	LF	10" x 10", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	71.09	37.21
		For Seal Class B, Add	*9.30*	
		For Seal Class A, Add	*19.85*	
		For Work In Restricted Working Space, Add	*18.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0216	LF	10" x 12", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	78.20	40.93
		For Seal Class B, Add	*10.23*	
		For Seal Class A, Add	*21.83*	
		For Work In Restricted Working Space, Add	*20.47*	
23 31 13 13-0217	LF	10" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	85.31	44.65
		For Seal Class B, Add	*11.16*	
		For Seal Class A, Add	*23.81*	
		For Work In Restricted Working Space, Add	*22.33*	
23 31 13 13-0218	LF	10" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	92.41	48.37
		For Seal Class B, Add	*12.09*	
		For Seal Class A, Add	*25.80*	
		For Work In Restricted Working Space, Add	*24.18*	
23 31 13 13-0219	LF	10" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	99.51	52.10
		For Seal Class B, Add	*13.02*	
		For Seal Class A, Add	*27.78*	
		For Work In Restricted Working Space, Add	*26.04*	
23 31 13 13-0220	LF	10" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	106.63	55.81
		For Seal Class B, Add	*13.95*	
		For Seal Class A, Add	*29.77*	
		For Work In Restricted Working Space, Add	*27.91*	
23 31 13 13-0221	LF	10" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	113.74	59.53
		For Seal Class B, Add	*14.88*	
		For Seal Class A, Add	*31.75*	
		For Work In Restricted Working Space, Add	*29.77*	
23 31 13 13-0222	LF	10" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	120.85	63.25
		For Seal Class B, Add	*15.81*	
		For Seal Class A, Add	*33.73*	
		For Work In Restricted Working Space, Add	*31.63*	
23 31 13 13-0223	LF	10" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	127.96	66.97
		For Seal Class B, Add	*16.74*	
		For Seal Class A, Add	*35.72*	
		For Work In Restricted Working Space, Add	*33.49*	
23 31 13 13-0224	LF	10" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	135.07	70.69
		For Seal Class B, Add	*17.67*	
		For Seal Class A, Add	*37.71*	
		For Work In Restricted Working Space, Add	*35.35*	
23 31 13 13-0225	LF	10" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	142.17	74.42
		For Seal Class B, Add	*18.60*	
		For Seal Class A, Add	*39.69*	
		For Work In Restricted Working Space, Add	*37.21*	
23 31 13 13-0226	LF	12" x 12", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	85.31	44.65
		For Seal Class B, Add	*11.16*	
		For Seal Class A, Add	*23.81*	
		For Work In Restricted Working Space, Add	*22.33*	
23 31 13 13-0227	LF	12" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	92.41	48.37
		For Seal Class B, Add	*12.09*	
		For Seal Class A, Add	*25.80*	
		For Work In Restricted Working Space, Add	*24.18*	
23 31 13 13-0228	LF	12" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	99.51	52.10
		For Seal Class B, Add	*13.02*	
		For Seal Class A, Add	*27.78*	
		For Work In Restricted Working Space, Add	*26.04*	
23 31 13 13-0229	LF	12" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	106.63	55.81
		For Seal Class B, Add	*13.95*	
		For Seal Class A, Add	*29.77*	
		For Work In Restricted Working Space, Add	*27.91*	
23 31 13 13-0230	LF	12" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	113.74	59.53
		For Seal Class B, Add	*14.88*	
		For Seal Class A, Add	*31.75*	
		For Work In Restricted Working Space, Add	*29.77*	
23 31 13 13-0231	LF	12" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	120.85	63.25
		For Seal Class B, Add	*15.81*	
		For Seal Class A, Add	*33.73*	
		For Work In Restricted Working Space, Add	*31.63*	
23 31 13 13-0232	LF	12" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	127.96	66.97
		For Seal Class B, Add	*16.74*	
		For Seal Class A, Add	*35.72*	
		For Work In Restricted Working Space, Add	*33.49*	
23 31 13 13-0233	LF	12" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	135.07	70.69
		For Seal Class B, Add	*17.67*	
		For Seal Class A, Add	*37.71*	
		For Work In Restricted Working Space, Add	*35.35*	
23 31 13 13-0234	LF	12" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	142.17	74.42
		For Seal Class B, Add	*18.60*	
		For Seal Class A, Add	*39.69*	
		For Work In Restricted Working Space, Add	*37.21*	
23 31 13 13-0235	LF	12" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	149.28	78.15
		For Seal Class B, Add	*19.53*	
		For Seal Class A, Add	*41.67*	
		For Work In Restricted Working Space, Add	*39.07*	
23 31 13 13-0236	LF	14" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	99.51	52.10
		For Seal Class B, Add	*13.02*	
		For Seal Class A, Add	*27.78*	
		For Work In Restricted Working Space, Add	*26.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0237	LF	14" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	106.63	55.81
		For Seal Class B, Add	*13.95*	
		For Seal Class A, Add	*29.77*	
		For Work In Restricted Working Space, Add	*27.91*	
23 31 13 13-0238	LF	14" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	113.74	59.53
		For Seal Class B, Add	*14.88*	
		For Seal Class A, Add	*31.75*	
		For Work In Restricted Working Space, Add	*29.77*	
23 31 13 13-0239	LF	14" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	120.85	63.25
		For Seal Class B, Add	*15.81*	
		For Seal Class A, Add	*33.73*	
		For Work In Restricted Working Space, Add	*31.63*	
23 31 13 13-0240	LF	14" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	127.96	66.97
		For Seal Class B, Add	*16.74*	
		For Seal Class A, Add	*35.72*	
		For Work In Restricted Working Space, Add	*33.49*	
23 31 13 13-0241	LF	14" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	135.07	70.69
		For Seal Class B, Add	*17.67*	
		For Seal Class A, Add	*37.71*	
		For Work In Restricted Working Space, Add	*35.35*	
23 31 13 13-0242	LF	14" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	142.17	74.42
		For Seal Class B, Add	*18.60*	
		For Seal Class A, Add	*39.69*	
		For Work In Restricted Working Space, Add	*37.21*	
23 31 13 13-0243	LF	14" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	149.28	78.15
		For Seal Class B, Add	*19.53*	
		For Seal Class A, Add	*41.67*	
		For Work In Restricted Working Space, Add	*39.07*	
23 31 13 13-0244	LF	14" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	156.38	81.85
		For Seal Class B, Add	*20.46*	
		For Seal Class A, Add	*43.65*	
		For Work In Restricted Working Space, Add	*40.93*	
23 31 13 13-0245	LF	16" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	113.74	59.53
		For Seal Class B, Add	*14.88*	
		For Seal Class A, Add	*31.75*	
		For Work In Restricted Working Space, Add	*29.77*	
23 31 13 13-0246	LF	16" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	120.85	63.25
		For Seal Class B, Add	*15.81*	
		For Seal Class A, Add	*33.73*	
		For Work In Restricted Working Space, Add	*31.63*	
23 31 13 13-0247	LF	16" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	127.96	66.97
		For Seal Class B, Add	*16.74*	
		For Seal Class A, Add	*35.72*	
		For Work In Restricted Working Space, Add	*33.49*	
23 31 13 13-0248	LF	16" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	135.07	70.69
		For Seal Class B, Add	*17.67*	
		For Seal Class A, Add	*37.71*	
		For Work In Restricted Working Space, Add	*35.35*	
23 31 13 13-0249	LF	16" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	142.17	74.42
		For Seal Class B, Add	*18.60*	
		For Seal Class A, Add	*39.69*	
		For Work In Restricted Working Space, Add	*37.21*	
23 31 13 13-0250	LF	16" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	149.28	78.15
		For Seal Class B, Add	*19.53*	
		For Seal Class A, Add	*41.67*	
		For Work In Restricted Working Space, Add	*39.07*	
23 31 13 13-0251	LF	16" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	156.38	81.85
		For Seal Class B, Add	*20.46*	
		For Seal Class A, Add	*43.65*	
		For Work In Restricted Working Space, Add	*40.93*	
23 31 13 13-0252	LF	16" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	163.50	85.58
		For Seal Class B, Add	*21.39*	
		For Seal Class A, Add	*45.64*	
		For Work In Restricted Working Space, Add	*42.79*	
23 31 13 13-0253	LF	18" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	127.96	66.97
		For Seal Class B, Add	*16.74*	
		For Seal Class A, Add	*35.72*	
		For Work In Restricted Working Space, Add	*33.49*	
23 31 13 13-0254	LF	18" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	135.07	70.69
		For Seal Class B, Add	*17.67*	
		For Seal Class A, Add	*37.71*	
		For Work In Restricted Working Space, Add	*35.35*	
23 31 13 13-0255	LF	18" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	142.17	74.42
		For Seal Class B, Add	*18.60*	
		For Seal Class A, Add	*39.69*	
		For Work In Restricted Working Space, Add	*37.21*	
23 31 13 13-0256	LF	18" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	149.28	78.15
		For Seal Class B, Add	*19.53*	
		For Seal Class A, Add	*41.67*	
		For Work In Restricted Working Space, Add	*39.07*	
23 31 13 13-0257	LF	18" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	156.38	81.85
		For Seal Class B, Add	*20.46*	
		For Seal Class A, Add	*43.65*	
		For Work In Restricted Working Space, Add	*40.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0258	LF	18" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	163.50	85.58
		For Seal Class B, Add	*21.39*	
		For Seal Class A, Add	*45.64*	
		For Work In Restricted Working Space, Add	*42.79*	
23 31 13 13-0259	LF	18" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	170.61	89.30
		For Seal Class B, Add	*22.32*	
		For Seal Class A, Add	*47.63*	
		For Work In Restricted Working Space, Add	*44.65*	
23 31 13 13-0260	LF	20" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	142.17	74.42
		For Seal Class B, Add	*18.60*	
		For Seal Class A, Add	*39.69*	
		For Work In Restricted Working Space, Add	*37.21*	
23 31 13 13-0261	LF	20" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	149.28	78.15
		For Seal Class B, Add	*19.53*	
		For Seal Class A, Add	*41.67*	
		For Work In Restricted Working Space, Add	*39.07*	
23 31 13 13-0262	LF	20" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	156.38	81.85
		For Seal Class B, Add	*20.46*	
		For Seal Class A, Add	*43.65*	
		For Work In Restricted Working Space, Add	*40.93*	
23 31 13 13-0263	LF	20" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	163.50	85.58
		For Seal Class B, Add	*21.39*	
		For Seal Class A, Add	*45.64*	
		For Work In Restricted Working Space, Add	*42.79*	
23 31 13 13-0264	LF	20" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	170.61	89.30
		For Seal Class B, Add	*22.32*	
		For Seal Class A, Add	*47.63*	
		For Work In Restricted Working Space, Add	*44.65*	
23 31 13 13-0265	LF	20" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	177.72	93.02
		For Seal Class B, Add	*23.25*	
		For Seal Class A, Add	*49.61*	
		For Work In Restricted Working Space, Add	*46.51*	
23 31 13 13-0266	LF	22" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	156.38	81.85
		For Seal Class B, Add	*20.46*	
		For Seal Class A, Add	*43.65*	
		For Work In Restricted Working Space, Add	*40.93*	
23 31 13 13-0267	LF	22" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	163.50	85.58
		For Seal Class B, Add	*21.39*	
		For Seal Class A, Add	*45.64*	
		For Work In Restricted Working Space, Add	*42.79*	
23 31 13 13-0268	LF	22" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	170.61	89.30
		For Seal Class B, Add	*22.32*	
		For Seal Class A, Add	*47.63*	
		For Work In Restricted Working Space, Add	*44.65*	
23 31 13 13-0269	LF	22" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	177.72	93.02
		For Seal Class B, Add	*23.25*	
		For Seal Class A, Add	*49.61*	
		For Work In Restricted Working Space, Add	*46.51*	
23 31 13 13-0270	LF	22" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	184.82	96.74
		For Seal Class B, Add	*24.18*	
		For Seal Class A, Add	*51.59*	
		For Work In Restricted Working Space, Add	*48.37*	
23 31 13 13-0271	LF	24" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	170.61	89.30
		For Seal Class B, Add	*22.32*	
		For Seal Class A, Add	*47.63*	
		For Work In Restricted Working Space, Add	*44.65*	
23 31 13 13-0272	LF	24" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	177.72	93.02
		For Seal Class B, Add	*23.25*	
		For Seal Class A, Add	*49.61*	
		For Work In Restricted Working Space, Add	*46.51*	
23 31 13 13-0273	LF	24" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	184.82	96.74
		For Seal Class B, Add	*24.18*	
		For Seal Class A, Add	*51.59*	
		For Work In Restricted Working Space, Add	*48.37*	
23 31 13 13-0274	LF	24" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	191.94	100.47
		For Seal Class B, Add	*25.12*	
		For Seal Class A, Add	*53.58*	
		For Work In Restricted Working Space, Add	*50.23*	
23 31 13 13-0275	LF	26" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	184.82	96.74
		For Seal Class B, Add	*24.18*	
		For Seal Class A, Add	*51.59*	
		For Work In Restricted Working Space, Add	*48.37*	
23 31 13 13-0276	LF	26" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	191.94	100.47
		For Seal Class B, Add	*25.12*	
		For Seal Class A, Add	*53.58*	
		For Work In Restricted Working Space, Add	*50.23*	
23 31 13 13-0277	LF	26" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	199.04	104.17
		For Seal Class B, Add	*26.04*	
		For Seal Class A, Add	*55.56*	
		For Work In Restricted Working Space, Add	*52.09*	
23 31 13 13-0278	LF	28" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	199.04	104.17
		For Seal Class B, Add	*26.04*	
		For Seal Class A, Add	*55.56*	
		For Work In Restricted Working Space, Add	*52.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0279	LF	28" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	206.15	107.90
		For Seal Class B, Add	*26.97*	
		For Seal Class A, Add	*57.55*	
		For Work In Restricted Working Space, Add	*53.95*	
23 31 13 13-0280	LF	30" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	213.27	111.63
		For Seal Class B, Add	*27.91*	
		For Seal Class A, Add	*59.54*	
		For Work In Restricted Working Space, Add	*55.82*	
23 31 13 13-0281		22 Gauge Galvanized Steel Metal Ductwork *(23 31 13 13-0014)*		
		Note: Seal Class C		
23 31 13 13-0282	LF	4" x 4", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	29.22	14.88
		For Seal Class B, Add	*3.72*	
		For Seal Class A, Add	*7.94*	
		For Work In Restricted Working Space, Add	*7.44*	
23 31 13 13-0283	LF	4" x 6", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	36.53	18.60
		For Seal Class B, Add	*4.65*	
		For Seal Class A, Add	*9.92*	
		For Work In Restricted Working Space, Add	*9.30*	
23 31 13 13-0284	LF	4" x 8", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	43.83	22.32
		For Seal Class B, Add	*5.58*	
		For Seal Class A, Add	*11.91*	
		For Work In Restricted Working Space, Add	*11.16*	
23 31 13 13-0285	LF	4" x 10", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	51.14	26.05
		For Seal Class B, Add	*6.51*	
		For Seal Class A, Add	*13.89*	
		For Work In Restricted Working Space, Add	*13.02*	
23 31 13 13-0286	LF	4" x 12", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	58.44	29.77
		For Seal Class B, Add	*7.44*	
		For Seal Class A, Add	*15.88*	
		For Work In Restricted Working Space, Add	*14.88*	
23 31 13 13-0287	LF	4" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	65.74	33.49
		For Seal Class B, Add	*8.37*	
		For Seal Class A, Add	*17.86*	
		For Work In Restricted Working Space, Add	*16.74*	
23 31 13 13-0288	LF	4" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	73.06	37.21
		For Seal Class B, Add	*9.30*	
		For Seal Class A, Add	*19.85*	
		For Work In Restricted Working Space, Add	*18.61*	
23 31 13 13-0289	LF	6" x 6", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	43.83	22.32
		For Seal Class B, Add	*5.58*	
		For Seal Class A, Add	*11.91*	
		For Work In Restricted Working Space, Add	*11.16*	
23 31 13 13-0290	LF	6" x 8", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	51.14	26.05
		For Seal Class B, Add	*6.51*	
		For Seal Class A, Add	*13.89*	
		For Work In Restricted Working Space, Add	*13.02*	
23 31 13 13-0291	LF	6" x 10", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	58.44	29.77
		For Seal Class B, Add	*7.44*	
		For Seal Class A, Add	*15.88*	
		For Work In Restricted Working Space, Add	*14.88*	
23 31 13 13-0292	LF	6" x 12", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	65.74	33.49
		For Seal Class B, Add	*8.37*	
		For Seal Class A, Add	*17.86*	
		For Work In Restricted Working Space, Add	*16.74*	
23 31 13 13-0293	LF	6" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	73.06	37.21
		For Seal Class B, Add	*9.30*	
		For Seal Class A, Add	*19.85*	
		For Work In Restricted Working Space, Add	*18.61*	
23 31 13 13-0294	LF	6" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	80.36	40.93
		For Seal Class B, Add	*10.23*	
		For Seal Class A, Add	*21.83*	
		For Work In Restricted Working Space, Add	*20.47*	
23 31 13 13-0295	LF	8" x 8", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	58.44	29.77
		For Seal Class B, Add	*7.44*	
		For Seal Class A, Add	*15.88*	
		For Work In Restricted Working Space, Add	*14.88*	
23 31 13 13-0296	LF	8" x 10", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	65.74	33.49
		For Seal Class B, Add	*8.37*	
		For Seal Class A, Add	*17.86*	
		For Work In Restricted Working Space, Add	*16.74*	
23 31 13 13-0297	LF	8" x 12", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	73.06	37.21
		For Seal Class B, Add	*9.30*	
		For Seal Class A, Add	*19.85*	
		For Work In Restricted Working Space, Add	*18.61*	
23 31 13 13-0298	LF	8" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	80.36	40.93
		For Seal Class B, Add	*10.23*	
		For Seal Class A, Add	*21.83*	
		For Work In Restricted Working Space, Add	*20.47*	
23 31 13 13-0299	LF	8" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	87.66	44.65
		For Seal Class B, Add	*11.16*	
		For Seal Class A, Add	*23.81*	
		For Work In Restricted Working Space, Add	*22.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0300	LF	8" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	94.96	48.37
		For Seal Class B, Add	*12.09*	
		For Seal Class A, Add	*25.80*	
		For Work In Restricted Working Space, Add	*24.18*	
23 31 13 13-0301	LF	8" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	102.26	52.10
		For Seal Class B, Add	*13.02*	
		For Seal Class A, Add	*27.78*	
		For Work In Restricted Working Space, Add	*26.04*	
23 31 13 13-0302	LF	8" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	109.58	55.81
		For Seal Class B, Add	*13.95*	
		For Seal Class A, Add	*29.77*	
		For Work In Restricted Working Space, Add	*27.91*	
23 31 13 13-0303	LF	8" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	116.88	59.53
		For Seal Class B, Add	*14.88*	
		For Seal Class A, Add	*31.75*	
		For Work In Restricted Working Space, Add	*29.77*	
23 31 13 13-0304	LF	10" x 10", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	73.06	37.21
		For Seal Class B, Add	*9.30*	
		For Seal Class A, Add	*19.85*	
		For Work In Restricted Working Space, Add	*18.61*	
23 31 13 13-0305	LF	10" x 12", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	80.36	40.93
		For Seal Class B, Add	*10.23*	
		For Seal Class A, Add	*21.83*	
		For Work In Restricted Working Space, Add	*20.47*	
23 31 13 13-0306	LF	10" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	87.66	44.65
		For Seal Class B, Add	*11.16*	
		For Seal Class A, Add	*23.81*	
		For Work In Restricted Working Space, Add	*22.33*	
23 31 13 13-0307	LF	10" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	94.96	48.37
		For Seal Class B, Add	*12.09*	
		For Seal Class A, Add	*25.80*	
		For Work In Restricted Working Space, Add	*24.18*	
23 31 13 13-0308	LF	10" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	102.26	52.10
		For Seal Class B, Add	*13.02*	
		For Seal Class A, Add	*27.78*	
		For Work In Restricted Working Space, Add	*26.04*	
23 31 13 13-0309	LF	10" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	109.58	55.81
		For Seal Class B, Add	*13.95*	
		For Seal Class A, Add	*29.77*	
		For Work In Restricted Working Space, Add	*27.91*	
23 31 13 13-0310	LF	10" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	116.88	59.53
		For Seal Class B, Add	*14.88*	
		For Seal Class A, Add	*31.75*	
		For Work In Restricted Working Space, Add	*29.77*	
23 31 13 13-0311	LF	10" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	124.18	63.25
		For Seal Class B, Add	*15.81*	
		For Seal Class A, Add	*33.73*	
		For Work In Restricted Working Space, Add	*31.63*	
23 31 13 13-0312	LF	10" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	131.50	66.97
		For Seal Class B, Add	*16.74*	
		For Seal Class A, Add	*35.72*	
		For Work In Restricted Working Space, Add	*33.49*	
23 31 13 13-0313	LF	10" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	138.80	70.69
		For Seal Class B, Add	*17.67*	
		For Seal Class A, Add	*37.71*	
		For Work In Restricted Working Space, Add	*35.35*	
23 31 13 13-0314	LF	10" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	146.09	74.42
		For Seal Class B, Add	*18.60*	
		For Seal Class A, Add	*39.69*	
		For Work In Restricted Working Space, Add	*37.21*	
23 31 13 13-0315	LF	10" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	153.40	78.15
		For Seal Class B, Add	*19.53*	
		For Seal Class A, Add	*41.67*	
		For Work In Restricted Working Space, Add	*39.07*	
23 31 13 13-0316	LF	12" x 12", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	87.66	44.65
		For Seal Class B, Add	*11.16*	
		For Seal Class A, Add	*23.81*	
		For Work In Restricted Working Space, Add	*22.33*	
23 31 13 13-0317	LF	12" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	94.96	48.37
		For Seal Class B, Add	*12.09*	
		For Seal Class A, Add	*25.80*	
		For Work In Restricted Working Space, Add	*24.18*	
23 31 13 13-0318	LF	12" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	102.26	52.10
		For Seal Class B, Add	*13.02*	
		For Seal Class A, Add	*27.78*	
		For Work In Restricted Working Space, Add	*26.04*	
23 31 13 13-0319	LF	12" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	109.58	55.81
		For Seal Class B, Add	*13.95*	
		For Seal Class A, Add	*29.77*	
		For Work In Restricted Working Space, Add	*27.91*	
23 31 13 13-0320	LF	12" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	116.88	59.53
		For Seal Class B, Add	*14.88*	
		For Seal Class A, Add	*31.75*	
		For Work In Restricted Working Space, Add	*29.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0321	LF	12" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	124.18	63.25
		For Seal Class B, Add	*15.81*	
		For Seal Class A, Add	*33.73*	
		For Work In Restricted Working Space, Add	*31.63*	
23 31 13 13-0322	LF	12" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	131.50	66.97
		For Seal Class B, Add	*16.74*	
		For Seal Class A, Add	*35.72*	
		For Work In Restricted Working Space, Add	*33.49*	
23 31 13 13-0323	LF	12" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	138.80	70.69
		For Seal Class B, Add	*17.67*	
		For Seal Class A, Add	*37.71*	
		For Work In Restricted Working Space, Add	*35.35*	
23 31 13 13-0324	LF	12" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	146.09	74.42
		For Seal Class B, Add	*18.60*	
		For Seal Class A, Add	*39.69*	
		For Work In Restricted Working Space, Add	*37.21*	
23 31 13 13-0325	LF	12" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	153.40	78.15
		For Seal Class B, Add	*19.53*	
		For Seal Class A, Add	*41.67*	
		For Work In Restricted Working Space, Add	*39.07*	
23 31 13 13-0326	LF	12" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	160.70	81.85
		For Seal Class B, Add	*20.46*	
		For Seal Class A, Add	*43.65*	
		For Work In Restricted Working Space, Add	*40.93*	
23 31 13 13-0327	LF	12" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	168.02	85.58
		For Seal Class B, Add	*21.39*	
		For Seal Class A, Add	*45.64*	
		For Work In Restricted Working Space, Add	*42.79*	
23 31 13 13-0328	LF	12" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	175.32	89.30
		For Seal Class B, Add	*22.32*	
		For Seal Class A, Add	*47.63*	
		For Work In Restricted Working Space, Add	*44.65*	
23 31 13 13-0329	LF	14" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	102.26	52.10
		For Seal Class B, Add	*13.02*	
		For Seal Class A, Add	*27.78*	
		For Work In Restricted Working Space, Add	*26.04*	
23 31 13 13-0330	LF	14" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	109.58	55.81
		For Seal Class B, Add	*13.95*	
		For Seal Class A, Add	*29.77*	
		For Work In Restricted Working Space, Add	*27.91*	
23 31 13 13-0331	LF	14" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	116.88	59.53
		For Seal Class B, Add	*14.88*	
		For Seal Class A, Add	*31.75*	
		For Work In Restricted Working Space, Add	*29.77*	
23 31 13 13-0332	LF	14" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	124.18	63.25
		For Seal Class B, Add	*15.81*	
		For Seal Class A, Add	*33.73*	
		For Work In Restricted Working Space, Add	*31.63*	
23 31 13 13-0333	LF	14" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	131.50	66.97
		For Seal Class B, Add	*16.74*	
		For Seal Class A, Add	*35.72*	
		For Work In Restricted Working Space, Add	*33.49*	
23 31 13 13-0334	LF	14" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	138.80	70.69
		For Seal Class B, Add	*17.67*	
		For Seal Class A, Add	*37.71*	
		For Work In Restricted Working Space, Add	*35.35*	
23 31 13 13-0335	LF	14" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	146.09	74.42
		For Seal Class B, Add	*18.60*	
		For Seal Class A, Add	*39.69*	
		For Work In Restricted Working Space, Add	*37.21*	
23 31 13 13-0336	LF	14" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	153.40	78.15
		For Seal Class B, Add	*19.53*	
		For Seal Class A, Add	*41.67*	
		For Work In Restricted Working Space, Add	*39.07*	
23 31 13 13-0337	LF	14" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	160.70	81.85
		For Seal Class B, Add	*20.46*	
		For Seal Class A, Add	*43.65*	
		For Work In Restricted Working Space, Add	*40.93*	
23 31 13 13-0338	LF	14" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	168.02	85.58
		For Seal Class B, Add	*21.39*	
		For Seal Class A, Add	*45.64*	
		For Work In Restricted Working Space, Add	*42.79*	
23 31 13 13-0339	LF	14" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	175.32	89.30
		For Seal Class B, Add	*22.32*	
		For Seal Class A, Add	*47.63*	
		For Work In Restricted Working Space, Add	*44.65*	
23 31 13 13-0340	LF	14" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	182.62	93.02
		For Seal Class B, Add	*23.25*	
		For Seal Class A, Add	*49.61*	
		For Work In Restricted Working Space, Add	*46.51*	
23 31 13 13-0341	LF	16" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	116.88	59.53
		For Seal Class B, Add	*14.88*	
		For Seal Class A, Add	*31.75*	
		For Work In Restricted Working Space, Add	*29.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0342	LF	16" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	124.18	63.25
		For Seal Class B, Add	*15.81*	
		For Seal Class A, Add	*33.73*	
		For Work In Restricted Working Space, Add	*31.63*	
23 31 13 13-0343	LF	16" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	131.50	66.97
		For Seal Class B, Add	*16.74*	
		For Seal Class A, Add	*35.72*	
		For Work In Restricted Working Space, Add	*33.49*	
23 31 13 13-0344	LF	16" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	138.80	70.69
		For Seal Class B, Add	*17.67*	
		For Seal Class A, Add	*37.71*	
		For Work In Restricted Working Space, Add	*35.35*	
23 31 13 13-0345	LF	16" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	146.09	74.42
		For Seal Class B, Add	*18.60*	
		For Seal Class A, Add	*39.69*	
		For Work In Restricted Working Space, Add	*37.21*	
23 31 13 13-0346	LF	16" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	153.40	78.15
		For Seal Class B, Add	*19.53*	
		For Seal Class A, Add	*41.67*	
		For Work In Restricted Working Space, Add	*39.07*	
23 31 13 13-0347	LF	16" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	160.70	81.85
		For Seal Class B, Add	*20.46*	
		For Seal Class A, Add	*43.65*	
		For Work In Restricted Working Space, Add	*40.93*	
23 31 13 13-0348	LF	16" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	168.02	85.58
		For Seal Class B, Add	*21.39*	
		For Seal Class A, Add	*45.64*	
		For Work In Restricted Working Space, Add	*42.79*	
23 31 13 13-0349	LF	16" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	175.32	89.30
		For Seal Class B, Add	*22.32*	
		For Seal Class A, Add	*47.63*	
		For Work In Restricted Working Space, Add	*44.65*	
23 31 13 13-0350	LF	16" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	182.62	93.02
		For Seal Class B, Add	*23.25*	
		For Seal Class A, Add	*49.61*	
		For Work In Restricted Working Space, Add	*46.51*	
23 31 13 13-0351	LF	16" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	189.93	96.74
		For Seal Class B, Add	*24.18*	
		For Seal Class A, Add	*51.59*	
		For Work In Restricted Working Space, Add	*48.37*	
23 31 13 13-0352	LF	16" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	197.24	100.47
		For Seal Class B, Add	*25.12*	
		For Seal Class A, Add	*53.58*	
		For Work In Restricted Working Space, Add	*50.23*	
23 31 13 13-0353	LF	16" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	204.53	104.17
		For Seal Class B, Add	*26.04*	
		For Seal Class A, Add	*55.56*	
		For Work In Restricted Working Space, Add	*52.09*	
23 31 13 13-0354	LF	16" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	211.84	107.90
		For Seal Class B, Add	*26.97*	
		For Seal Class A, Add	*57.55*	
		For Work In Restricted Working Space, Add	*53.95*	
23 31 13 13-0355	LF	16" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	219.16	111.63
		For Seal Class B, Add	*27.91*	
		For Seal Class A, Add	*59.54*	
		For Work In Restricted Working Space, Add	*55.82*	
23 31 13 13-0356	LF	18" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	131.50	66.97
		For Seal Class B, Add	*16.74*	
		For Seal Class A, Add	*35.72*	
		For Work In Restricted Working Space, Add	*33.49*	
23 31 13 13-0357	LF	18" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	138.80	70.69
		For Seal Class B, Add	*17.67*	
		For Seal Class A, Add	*37.71*	
		For Work In Restricted Working Space, Add	*35.35*	
23 31 13 13-0358	LF	18" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	146.09	74.42
		For Seal Class B, Add	*18.60*	
		For Seal Class A, Add	*39.69*	
		For Work In Restricted Working Space, Add	*37.21*	
23 31 13 13-0359	LF	18" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	153.40	78.15
		For Seal Class B, Add	*19.53*	
		For Seal Class A, Add	*41.67*	
		For Work In Restricted Working Space, Add	*39.07*	
23 31 13 13-0360	LF	18" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	160.70	81.85
		For Seal Class B, Add	*20.46*	
		For Seal Class A, Add	*43.65*	
		For Work In Restricted Working Space, Add	*40.93*	
23 31 13 13-0361	LF	18" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	168.02	85.58
		For Seal Class B, Add	*21.39*	
		For Seal Class A, Add	*45.64*	
		For Work In Restricted Working Space, Add	*42.79*	
23 31 13 13-0362	LF	18" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	175.32	89.30
		For Seal Class B, Add	*22.32*	
		For Seal Class A, Add	*47.63*	
		For Work In Restricted Working Space, Add	*44.65*	

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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0363	LF	18" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	182.62	93.02
		For Seal Class B, Add	*23.25*	
		For Seal Class A, Add	*49.61*	
		For Work In Restricted Working Space, Add	*46.51*	
23 31 13 13-0364	LF	18" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	189.93	96.74
		For Seal Class B, Add	*24.18*	
		For Seal Class A, Add	*51.59*	
		For Work In Restricted Working Space, Add	*48.37*	
23 31 13 13-0365	LF	18" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	197.24	100.47
		For Seal Class B, Add	*25.12*	
		For Seal Class A, Add	*53.58*	
		For Work In Restricted Working Space, Add	*50.23*	
23 31 13 13-0366	LF	18" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	204.53	104.17
		For Seal Class B, Add	*26.04*	
		For Seal Class A, Add	*55.56*	
		For Work In Restricted Working Space, Add	*52.09*	
23 31 13 13-0367	LF	18" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	211.84	107.90
		For Seal Class B, Add	*26.97*	
		For Seal Class A, Add	*57.55*	
		For Work In Restricted Working Space, Add	*53.95*	
23 31 13 13-0368	LF	18" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	219.16	111.63
		For Seal Class B, Add	*27.91*	
		For Seal Class A, Add	*59.54*	
		For Work In Restricted Working Space, Add	*55.82*	
23 31 13 13-0369	LF	18" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	226.46	115.34
		For Seal Class B, Add	*28.84*	
		For Seal Class A, Add	*61.52*	
		For Work In Restricted Working Space, Add	*57.67*	
23 31 13 13-0370	LF	18" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	233.76	119.07
		For Seal Class B, Add	*29.77*	
		For Seal Class A, Add	*63.50*	
		For Work In Restricted Working Space, Add	*59.53*	
23 31 13 13-0371	LF	20" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	146.09	74.42
		For Seal Class B, Add	*18.60*	
		For Seal Class A, Add	*39.69*	
		For Work In Restricted Working Space, Add	*37.21*	
23 31 13 13-0372	LF	20" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	153.40	78.15
		For Seal Class B, Add	*19.53*	
		For Seal Class A, Add	*41.67*	
		For Work In Restricted Working Space, Add	*39.07*	
23 31 13 13-0373	LF	20" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	160.70	81.85
		For Seal Class B, Add	*20.46*	
		For Seal Class A, Add	*43.65*	
		For Work In Restricted Working Space, Add	*40.93*	
23 31 13 13-0374	LF	20" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	168.02	85.58
		For Seal Class B, Add	*21.39*	
		For Seal Class A, Add	*45.64*	
		For Work In Restricted Working Space, Add	*42.79*	
23 31 13 13-0375	LF	20" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	175.32	89.30
		For Seal Class B, Add	*22.32*	
		For Seal Class A, Add	*47.63*	
		For Work In Restricted Working Space, Add	*44.65*	
23 31 13 13-0376	LF	20" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	182.62	93.02
		For Seal Class B, Add	*23.25*	
		For Seal Class A, Add	*49.61*	
		For Work In Restricted Working Space, Add	*46.51*	
23 31 13 13-0377	LF	20" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	189.93	96.74
		For Seal Class B, Add	*24.18*	
		For Seal Class A, Add	*51.59*	
		For Work In Restricted Working Space, Add	*48.37*	
23 31 13 13-0378	LF	20" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	197.24	100.47
		For Seal Class B, Add	*25.12*	
		For Seal Class A, Add	*53.58*	
		For Work In Restricted Working Space, Add	*50.23*	
23 31 13 13-0379	LF	20" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	204.53	104.17
		For Seal Class B, Add	*26.04*	
		For Seal Class A, Add	*55.56*	
		For Work In Restricted Working Space, Add	*52.09*	
23 31 13 13-0380	LF	20" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	211.84	107.90
		For Seal Class B, Add	*26.97*	
		For Seal Class A, Add	*57.55*	
		For Work In Restricted Working Space, Add	*53.95*	
23 31 13 13-0381	LF	20" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	219.16	111.63
		For Seal Class B, Add	*27.91*	
		For Seal Class A, Add	*59.54*	
		For Work In Restricted Working Space, Add	*55.82*	
23 31 13 13-0382	LF	20" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	226.46	115.34
		For Seal Class B, Add	*28.84*	
		For Seal Class A, Add	*61.52*	
		For Work In Restricted Working Space, Add	*57.67*	
23 31 13 13-0383	LF	20" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	233.76	119.07
		For Seal Class B, Add	*29.77*	
		For Seal Class A, Add	*63.50*	
		For Work In Restricted Working Space, Add	*59.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0384	LF	20" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	241.06	122.79
		For Seal Class B, Add	*30.70*	
		For Seal Class A, Add	*65.48*	
		For Work In Restricted Working Space, Add	*61.39*	
23 31 13 13-0385	LF	20" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	248.37	126.51
		For Seal Class B, Add	*31.63*	
		For Seal Class A, Add	*67.47*	
		For Work In Restricted Working Space, Add	*63.25*	
23 31 13 13-0386	LF	22" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	160.70	81.85
		For Seal Class B, Add	*20.46*	
		For Seal Class A, Add	*43.65*	
		For Work In Restricted Working Space, Add	*40.93*	
23 31 13 13-0387	LF	22" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	168.02	85.58
		For Seal Class B, Add	*21.39*	
		For Seal Class A, Add	*45.64*	
		For Work In Restricted Working Space, Add	*42.79*	
23 31 13 13-0388	LF	22" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	175.32	89.30
		For Seal Class B, Add	*22.32*	
		For Seal Class A, Add	*47.63*	
		For Work In Restricted Working Space, Add	*44.65*	
23 31 13 13-0389	LF	22" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	182.62	93.02
		For Seal Class B, Add	*23.25*	
		For Seal Class A, Add	*49.61*	
		For Work In Restricted Working Space, Add	*46.51*	
23 31 13 13-0390	LF	22" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	189.93	96.74
		For Seal Class B, Add	*24.18*	
		For Seal Class A, Add	*51.59*	
		For Work In Restricted Working Space, Add	*48.37*	
23 31 13 13-0391	LF	22" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	197.24	100.47
		For Seal Class B, Add	*25.12*	
		For Seal Class A, Add	*53.58*	
		For Work In Restricted Working Space, Add	*50.23*	
23 31 13 13-0392	LF	22" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	204.53	104.17
		For Seal Class B, Add	*26.04*	
		For Seal Class A, Add	*55.56*	
		For Work In Restricted Working Space, Add	*52.09*	
23 31 13 13-0393	LF	22" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	211.84	107.90
		For Seal Class B, Add	*26.97*	
		For Seal Class A, Add	*57.55*	
		For Work In Restricted Working Space, Add	*53.95*	
23 31 13 13-0394	LF	22" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	219.16	111.63
		For Seal Class B, Add	*27.91*	
		For Seal Class A, Add	*59.54*	
		For Work In Restricted Working Space, Add	*55.82*	
23 31 13 13-0395	LF	22" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	226.46	115.34
		For Seal Class B, Add	*28.84*	
		For Seal Class A, Add	*61.52*	
		For Work In Restricted Working Space, Add	*57.67*	
23 31 13 13-0396	LF	22" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	233.76	119.07
		For Seal Class B, Add	*29.77*	
		For Seal Class A, Add	*63.50*	
		For Work In Restricted Working Space, Add	*59.53*	
23 31 13 13-0397	LF	22" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	241.06	122.79
		For Seal Class B, Add	*30.70*	
		For Seal Class A, Add	*65.48*	
		For Work In Restricted Working Space, Add	*61.39*	
23 31 13 13-0398	LF	22" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	248.37	126.51
		For Seal Class B, Add	*31.63*	
		For Seal Class A, Add	*67.47*	
		For Work In Restricted Working Space, Add	*63.25*	
23 31 13 13-0399	LF	22" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	255.67	130.22
		For Seal Class B, Add	*32.56*	
		For Seal Class A, Add	*69.45*	
		For Work In Restricted Working Space, Add	*65.11*	
23 31 13 13-0400	LF	24" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	175.32	89.30
		For Seal Class B, Add	*22.32*	
		For Seal Class A, Add	*47.63*	
		For Work In Restricted Working Space, Add	*44.65*	
23 31 13 13-0401	LF	24" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	182.62	93.02
		For Seal Class B, Add	*23.25*	
		For Seal Class A, Add	*49.61*	
		For Work In Restricted Working Space, Add	*46.51*	
23 31 13 13-0402	LF	24" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	189.93	96.74
		For Seal Class B, Add	*24.18*	
		For Seal Class A, Add	*51.59*	
		For Work In Restricted Working Space, Add	*48.37*	
23 31 13 13-0403	LF	24" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	197.24	100.47
		For Seal Class B, Add	*25.12*	
		For Seal Class A, Add	*53.58*	
		For Work In Restricted Working Space, Add	*50.23*	
23 31 13 13-0404	LF	24" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	204.53	104.17
		For Seal Class B, Add	*26.04*	
		For Seal Class A, Add	*55.56*	
		For Work In Restricted Working Space, Add	*52.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0405	LF	24" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	211.84	107.90
		For Seal Class B, Add	*26.97*	
		For Seal Class A, Add	*57.55*	
		For Work In Restricted Working Space, Add	*53.95*	
23 31 13 13-0406	LF	24" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	219.16	111.63
		For Seal Class B, Add	*27.91*	
		For Seal Class A, Add	*59.54*	
		For Work In Restricted Working Space, Add	*55.82*	
23 31 13 13-0407	LF	24" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	226.46	115.34
		For Seal Class B, Add	*28.84*	
		For Seal Class A, Add	*61.52*	
		For Work In Restricted Working Space, Add	*57.67*	
23 31 13 13-0408	LF	24" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	233.76	119.07
		For Seal Class B, Add	*29.77*	
		For Seal Class A, Add	*63.50*	
		For Work In Restricted Working Space, Add	*59.53*	
23 31 13 13-0409	LF	24" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	241.06	122.79
		For Seal Class B, Add	*30.70*	
		For Seal Class A, Add	*65.48*	
		For Work In Restricted Working Space, Add	*61.39*	
23 31 13 13-0410	LF	24" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	248.37	126.51
		For Seal Class B, Add	*31.63*	
		For Seal Class A, Add	*67.47*	
		For Work In Restricted Working Space, Add	*63.25*	
23 31 13 13-0411	LF	24" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	255.67	130.22
		For Seal Class B, Add	*32.56*	
		For Seal Class A, Add	*69.45*	
		For Work In Restricted Working Space, Add	*65.11*	
23 31 13 13-0412	LF	24" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	262.97	133.95
		For Seal Class B, Add	*33.49*	
		For Seal Class A, Add	*71.44*	
		For Work In Restricted Working Space, Add	*66.97*	
23 31 13 13-0413	LF	26" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	189.93	96.74
		For Seal Class B, Add	*24.18*	
		For Seal Class A, Add	*51.59*	
		For Work In Restricted Working Space, Add	*48.37*	
23 31 13 13-0414	LF	26" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	197.24	100.47
		For Seal Class B, Add	*25.12*	
		For Seal Class A, Add	*53.58*	
		For Work In Restricted Working Space, Add	*50.23*	
23 31 13 13-0415	LF	26" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	204.53	104.17
		For Seal Class B, Add	*26.04*	
		For Seal Class A, Add	*55.56*	
		For Work In Restricted Working Space, Add	*52.09*	
23 31 13 13-0416	LF	26" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	211.84	107.90
		For Seal Class B, Add	*26.97*	
		For Seal Class A, Add	*57.55*	
		For Work In Restricted Working Space, Add	*53.95*	
23 31 13 13-0417	LF	26" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	219.16	111.63
		For Seal Class B, Add	*27.91*	
		For Seal Class A, Add	*59.54*	
		For Work In Restricted Working Space, Add	*55.82*	
23 31 13 13-0418	LF	26" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	226.46	115.34
		For Seal Class B, Add	*28.84*	
		For Seal Class A, Add	*61.52*	
		For Work In Restricted Working Space, Add	*57.67*	
23 31 13 13-0419	LF	26" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	233.76	119.07
		For Seal Class B, Add	*29.77*	
		For Seal Class A, Add	*63.50*	
		For Work In Restricted Working Space, Add	*59.53*	
23 31 13 13-0420	LF	26" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	241.06	122.79
		For Seal Class B, Add	*30.70*	
		For Seal Class A, Add	*65.48*	
		For Work In Restricted Working Space, Add	*61.39*	
23 31 13 13-0421	LF	26" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	248.37	126.51
		For Seal Class B, Add	*31.63*	
		For Seal Class A, Add	*67.47*	
		For Work In Restricted Working Space, Add	*63.25*	
23 31 13 13-0422	LF	26" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	255.67	130.22
		For Seal Class B, Add	*32.56*	
		For Seal Class A, Add	*69.45*	
		For Work In Restricted Working Space, Add	*65.11*	
23 31 13 13-0423	LF	26" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	262.97	133.95
		For Seal Class B, Add	*33.49*	
		For Seal Class A, Add	*71.44*	
		For Work In Restricted Working Space, Add	*66.97*	
23 31 13 13-0424	LF	26" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	270.29	137.67
		For Seal Class B, Add	*34.42*	
		For Seal Class A, Add	*73.42*	
		For Work In Restricted Working Space, Add	*68.84*	
23 31 13 13-0425	LF	28" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	204.53	104.17
		For Seal Class B, Add	*26.04*	
		For Seal Class A, Add	*55.56*	
		For Work In Restricted Working Space, Add	*52.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0426	LF	28" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	211.84	107.90
		For Seal Class B, Add	*26.97*	
		For Seal Class A, Add	*57.55*	
		For Work In Restricted Working Space, Add	*53.95*	
23 31 13 13-0427	LF	28" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	219.16	111.63
		For Seal Class B, Add	*27.91*	
		For Seal Class A, Add	*59.54*	
		For Work In Restricted Working Space, Add	*55.82*	
23 31 13 13-0428	LF	28" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	226.46	115.34
		For Seal Class B, Add	*28.84*	
		For Seal Class A, Add	*61.52*	
		For Work In Restricted Working Space, Add	*57.67*	
23 31 13 13-0429	LF	28" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	233.76	119.07
		For Seal Class B, Add	*29.77*	
		For Seal Class A, Add	*63.50*	
		For Work In Restricted Working Space, Add	*59.53*	
23 31 13 13-0430	LF	28" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	241.06	122.79
		For Seal Class B, Add	*30.70*	
		For Seal Class A, Add	*65.48*	
		For Work In Restricted Working Space, Add	*61.39*	
23 31 13 13-0431	LF	28" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	248.37	126.51
		For Seal Class B, Add	*31.63*	
		For Seal Class A, Add	*67.47*	
		For Work In Restricted Working Space, Add	*63.25*	
23 31 13 13-0432	LF	28" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	255.67	130.22
		For Seal Class B, Add	*32.56*	
		For Seal Class A, Add	*69.45*	
		For Work In Restricted Working Space, Add	*65.11*	
23 31 13 13-0433	LF	28" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	262.97	133.95
		For Seal Class B, Add	*33.49*	
		For Seal Class A, Add	*71.44*	
		For Work In Restricted Working Space, Add	*66.97*	
23 31 13 13-0434	LF	28" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	270.29	137.67
		For Seal Class B, Add	*34.42*	
		For Seal Class A, Add	*73.42*	
		For Work In Restricted Working Space, Add	*68.84*	
23 31 13 13-0435	LF	28" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	277.60	141.39
		For Seal Class B, Add	*35.35*	
		For Seal Class A, Add	*75.41*	
		For Work In Restricted Working Space, Add	*70.70*	
23 31 13 13-0436	LF	30" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	219.16	111.63
		For Seal Class B, Add	*27.91*	
		For Seal Class A, Add	*59.54*	
		For Work In Restricted Working Space, Add	*55.82*	
23 31 13 13-0437	LF	30" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	226.46	115.34
		For Seal Class B, Add	*28.84*	
		For Seal Class A, Add	*61.52*	
		For Work In Restricted Working Space, Add	*57.67*	
23 31 13 13-0438	LF	30" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	233.76	119.07
		For Seal Class B, Add	*29.77*	
		For Seal Class A, Add	*63.50*	
		For Work In Restricted Working Space, Add	*59.53*	
23 31 13 13-0439	LF	30" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	241.06	122.79
		For Seal Class B, Add	*30.70*	
		For Seal Class A, Add	*65.48*	
		For Work In Restricted Working Space, Add	*61.39*	
23 31 13 13-0440	LF	30" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	248.37	126.51
		For Seal Class B, Add	*31.63*	
		For Seal Class A, Add	*67.47*	
		For Work In Restricted Working Space, Add	*63.25*	
23 31 13 13-0441	LF	30" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	255.67	130.22
		For Seal Class B, Add	*32.56*	
		For Seal Class A, Add	*69.45*	
		For Work In Restricted Working Space, Add	*65.11*	
23 31 13 13-0442	LF	30" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	262.97	133.95
		For Seal Class B, Add	*33.49*	
		For Seal Class A, Add	*71.44*	
		For Work In Restricted Working Space, Add	*66.97*	
23 31 13 13-0443	LF	30" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	270.29	137.67
		For Seal Class B, Add	*34.42*	
		For Seal Class A, Add	*73.42*	
		For Work In Restricted Working Space, Add	*68.84*	
23 31 13 13-0444	LF	30" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	277.60	141.39
		For Seal Class B, Add	*35.35*	
		For Seal Class A, Add	*75.41*	
		For Work In Restricted Working Space, Add	*70.70*	
23 31 13 13-0445	LF	30" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	284.90	145.11
		For Seal Class B, Add	*36.28*	
		For Seal Class A, Add	*77.39*	
		For Work In Restricted Working Space, Add	*72.56*	
23 31 13 13-0446	LF	32" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	233.76	119.07
		For Seal Class B, Add	*29.77*	
		For Seal Class A, Add	*63.50*	
		For Work In Restricted Working Space, Add	*59.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0447	LF	32" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	241.06	122.79
		For Seal Class B, Add	*30.70*	
		For Seal Class A, Add	*65.48*	
		For Work In Restricted Working Space, Add	*61.39*	
23 31 13 13-0448	LF	32" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	248.37	126.51
		For Seal Class B, Add	*31.63*	
		For Seal Class A, Add	*67.47*	
		For Work In Restricted Working Space, Add	*63.25*	
23 31 13 13-0449	LF	32" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	255.67	130.22
		For Seal Class B, Add	*32.56*	
		For Seal Class A, Add	*69.45*	
		For Work In Restricted Working Space, Add	*65.11*	
23 31 13 13-0450	LF	32" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	262.97	133.95
		For Seal Class B, Add	*33.49*	
		For Seal Class A, Add	*71.44*	
		For Work In Restricted Working Space, Add	*66.97*	
23 31 13 13-0451	LF	32" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	270.29	137.67
		For Seal Class B, Add	*34.42*	
		For Seal Class A, Add	*73.42*	
		For Work In Restricted Working Space, Add	*68.84*	
23 31 13 13-0452	LF	32" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	277.60	141.39
		For Seal Class B, Add	*35.35*	
		For Seal Class A, Add	*75.41*	
		For Work In Restricted Working Space, Add	*70.70*	
23 31 13 13-0453	LF	32" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	284.90	145.11
		For Seal Class B, Add	*36.28*	
		For Seal Class A, Add	*77.39*	
		For Work In Restricted Working Space, Add	*72.56*	
23 31 13 13-0454	LF	32" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	292.20	148.83
		For Seal Class B, Add	*37.21*	
		For Seal Class A, Add	*79.38*	
		For Work In Restricted Working Space, Add	*74.42*	
23 31 13 13-0455	LF	34" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	248.37	126.51
		For Seal Class B, Add	*31.63*	
		For Seal Class A, Add	*67.47*	
		For Work In Restricted Working Space, Add	*63.25*	
23 31 13 13-0456	LF	34" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	255.67	130.22
		For Seal Class B, Add	*32.56*	
		For Seal Class A, Add	*69.45*	
		For Work In Restricted Working Space, Add	*65.11*	
23 31 13 13-0457	LF	34" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	262.97	133.95
		For Seal Class B, Add	*33.49*	
		For Seal Class A, Add	*71.44*	
		For Work In Restricted Working Space, Add	*66.97*	
23 31 13 13-0458	LF	34" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	270.29	137.67
		For Seal Class B, Add	*34.42*	
		For Seal Class A, Add	*73.42*	
		For Work In Restricted Working Space, Add	*68.84*	
23 31 13 13-0459	LF	34" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	277.60	141.39
		For Seal Class B, Add	*35.35*	
		For Seal Class A, Add	*75.41*	
		For Work In Restricted Working Space, Add	*70.70*	
23 31 13 13-0460	LF	34" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	284.90	145.11
		For Seal Class B, Add	*36.28*	
		For Seal Class A, Add	*77.39*	
		For Work In Restricted Working Space, Add	*72.56*	
23 31 13 13-0461	LF	34" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	292.20	148.83
		For Seal Class B, Add	*37.21*	
		For Seal Class A, Add	*79.38*	
		For Work In Restricted Working Space, Add	*74.42*	
23 31 13 13-0462	LF	34" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	299.50	152.54
		For Seal Class B, Add	*38.14*	
		For Seal Class A, Add	*81.36*	
		For Work In Restricted Working Space, Add	*76.28*	
23 31 13 13-0463	LF	36" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	262.97	133.95
		For Seal Class B, Add	*33.49*	
		For Seal Class A, Add	*71.44*	
		For Work In Restricted Working Space, Add	*66.97*	
23 31 13 13-0464	LF	36" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	270.29	137.67
		For Seal Class B, Add	*34.42*	
		For Seal Class A, Add	*73.42*	
		For Work In Restricted Working Space, Add	*68.84*	
23 31 13 13-0465	LF	36" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	277.60	141.39
		For Seal Class B, Add	*35.35*	
		For Seal Class A, Add	*75.41*	
		For Work In Restricted Working Space, Add	*70.70*	
23 31 13 13-0466	LF	36" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	284.90	145.11
		For Seal Class B, Add	*36.28*	
		For Seal Class A, Add	*77.39*	
		For Work In Restricted Working Space, Add	*72.56*	
23 31 13 13-0467	LF	36" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	292.20	148.83
		For Seal Class B, Add	*37.21*	
		For Seal Class A, Add	*79.38*	
		For Work In Restricted Working Space, Add	*74.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0468	LF	36" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	299.50	152.54
		For Seal Class B, Add	*38.14*	
		For Seal Class A, Add	*81.36*	
		For Work In Restricted Working Space, Add	*76.28*	
23 31 13 13-0469	LF	36" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	306.80	156.27
		For Seal Class B, Add	*39.07*	
		For Seal Class A, Add	*83.34*	
		For Work In Restricted Working Space, Add	*78.13*	
23 31 13 13-0470	LF	38" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	277.60	141.39
		For Seal Class B, Add	*35.35*	
		For Seal Class A, Add	*75.41*	
		For Work In Restricted Working Space, Add	*70.70*	
23 31 13 13-0471	LF	38" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	284.90	145.11
		For Seal Class B, Add	*36.28*	
		For Seal Class A, Add	*77.39*	
		For Work In Restricted Working Space, Add	*72.56*	
23 31 13 13-0472	LF	38" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	292.20	148.83
		For Seal Class B, Add	*37.21*	
		For Seal Class A, Add	*79.38*	
		For Work In Restricted Working Space, Add	*74.42*	
23 31 13 13-0473	LF	38" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	299.50	152.54
		For Seal Class B, Add	*38.14*	
		For Seal Class A, Add	*81.36*	
		For Work In Restricted Working Space, Add	*76.28*	
23 31 13 13-0474	LF	38" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	306.80	156.27
		For Seal Class B, Add	*39.07*	
		For Seal Class A, Add	*83.34*	
		For Work In Restricted Working Space, Add	*78.13*	
23 31 13 13-0475	LF	38" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	314.12	160.00
		For Seal Class B, Add	*40.00*	
		For Seal Class A, Add	*85.33*	
		For Work In Restricted Working Space, Add	*80.00*	
23 31 13 13-0476	LF	38" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	321.42	163.71
		For Seal Class B, Add	*40.93*	
		For Seal Class A, Add	*87.32*	
		For Work In Restricted Working Space, Add	*81.86*	
23 31 13 13-0477	LF	40" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	292.20	148.83
		For Seal Class B, Add	*37.21*	
		For Seal Class A, Add	*79.38*	
		For Work In Restricted Working Space, Add	*74.42*	
23 31 13 13-0478	LF	40" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	299.50	152.54
		For Seal Class B, Add	*38.14*	
		For Seal Class A, Add	*81.36*	
		For Work In Restricted Working Space, Add	*76.28*	
23 31 13 13-0479	LF	40" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	306.80	156.27
		For Seal Class B, Add	*39.07*	
		For Seal Class A, Add	*83.34*	
		For Work In Restricted Working Space, Add	*78.13*	
23 31 13 13-0480	LF	40" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	314.12	160.00
		For Seal Class B, Add	*40.00*	
		For Seal Class A, Add	*85.33*	
		For Work In Restricted Working Space, Add	*80.00*	
23 31 13 13-0481	LF	40" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	321.42	163.71
		For Seal Class B, Add	*40.93*	
		For Seal Class A, Add	*87.32*	
		For Work In Restricted Working Space, Add	*81.86*	
23 31 13 13-0482	LF	40" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	328.73	167.44
		For Seal Class B, Add	*41.86*	
		For Seal Class A, Add	*89.30*	
		For Work In Restricted Working Space, Add	*83.72*	
23 31 13 13-0483	LF	40" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	336.02	171.15
		For Seal Class B, Add	*42.79*	
		For Seal Class A, Add	*91.28*	
		For Work In Restricted Working Space, Add	*85.58*	
23 31 13 13-0484	LF	40" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	343.34	174.87
		For Seal Class B, Add	*43.72*	
		For Seal Class A, Add	*93.27*	
		For Work In Restricted Working Space, Add	*87.44*	
23 31 13 13-0485	LF	42" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	306.80	156.27
		For Seal Class B, Add	*39.07*	
		For Seal Class A, Add	*83.34*	
		For Work In Restricted Working Space, Add	*78.13*	
23 31 13 13-0486	LF	42" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	314.12	160.00
		For Seal Class B, Add	*40.00*	
		For Seal Class A, Add	*85.33*	
		For Work In Restricted Working Space, Add	*80.00*	
23 31 13 13-0487	LF	42" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	321.42	163.71
		For Seal Class B, Add	*40.93*	
		For Seal Class A, Add	*87.32*	
		For Work In Restricted Working Space, Add	*81.86*	
23 31 13 13-0488	LF	42" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	328.73	167.44
		For Seal Class B, Add	*41.86*	
		For Seal Class A, Add	*89.30*	
		For Work In Restricted Working Space, Add	*83.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0489	LF	42" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	336.02	171.15
		For Seal Class B, Add	*42.79*	
		For Seal Class A, Add	*91.28*	
		For Work In Restricted Working Space, Add	*85.58*	
23 31 13 13-0490	LF	42" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	343.34	174.87
		For Seal Class B, Add	*43.72*	
		For Seal Class A, Add	*93.27*	
		For Work In Restricted Working Space, Add	*87.44*	
23 31 13 13-0491	LF	42" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	350.64	178.59
		For Seal Class B, Add	*44.65*	
		For Seal Class A, Add	*95.25*	
		For Work In Restricted Working Space, Add	*89.30*	
23 31 13 13-0492	LF	44" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	321.42	163.71
		For Seal Class B, Add	*40.93*	
		For Seal Class A, Add	*87.32*	
		For Work In Restricted Working Space, Add	*81.86*	
23 31 13 13-0493	LF	44" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	328.73	167.44
		For Seal Class B, Add	*41.86*	
		For Seal Class A, Add	*89.30*	
		For Work In Restricted Working Space, Add	*83.72*	
23 31 13 13-0494	LF	44" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	336.02	171.15
		For Seal Class B, Add	*42.79*	
		For Seal Class A, Add	*91.28*	
		For Work In Restricted Working Space, Add	*85.58*	
23 31 13 13-0495	LF	44" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	343.34	174.87
		For Seal Class B, Add	*43.72*	
		For Seal Class A, Add	*93.27*	
		For Work In Restricted Working Space, Add	*87.44*	
23 31 13 13-0496	LF	44" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	350.64	178.59
		For Seal Class B, Add	*44.65*	
		For Seal Class A, Add	*95.25*	
		For Work In Restricted Working Space, Add	*89.30*	
23 31 13 13-0497	LF	44" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	357.93	182.32
		For Seal Class B, Add	*45.58*	
		For Seal Class A, Add	*97.23*	
		For Work In Restricted Working Space, Add	*91.16*	
23 31 13 13-0498	LF	46" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	336.02	171.15
		For Seal Class B, Add	*42.79*	
		For Seal Class A, Add	*91.28*	
		For Work In Restricted Working Space, Add	*85.58*	
23 31 13 13-0499	LF	46" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	343.34	174.87
		For Seal Class B, Add	*43.72*	
		For Seal Class A, Add	*93.27*	
		For Work In Restricted Working Space, Add	*87.44*	
23 31 13 13-0500	LF	46" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	350.64	178.59
		For Seal Class B, Add	*44.65*	
		For Seal Class A, Add	*95.25*	
		For Work In Restricted Working Space, Add	*89.30*	
23 31 13 13-0501	LF	46" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	357.93	182.32
		For Seal Class B, Add	*45.58*	
		For Seal Class A, Add	*97.23*	
		For Work In Restricted Working Space, Add	*91.16*	
23 31 13 13-0502	LF	46" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	365.26	186.05
		For Seal Class B, Add	*46.51*	
		For Seal Class A, Add	*99.22*	
		For Work In Restricted Working Space, Add	*93.02*	
23 31 13 13-0503	LF	48" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	350.64	178.59
		For Seal Class B, Add	*44.65*	
		For Seal Class A, Add	*95.25*	
		For Work In Restricted Working Space, Add	*89.30*	
23 31 13 13-0504	LF	48" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	357.93	182.32
		For Seal Class B, Add	*45.58*	
		For Seal Class A, Add	*97.23*	
		For Work In Restricted Working Space, Add	*91.16*	
23 31 13 13-0505	LF	48" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	365.26	186.05
		For Seal Class B, Add	*46.51*	
		For Seal Class A, Add	*99.22*	
		For Work In Restricted Working Space, Add	*93.02*	
23 31 13 13-0506	LF	48" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	372.56	189.76
		For Seal Class B, Add	*47.44*	
		For Seal Class A, Add	*101.21*	
		For Work In Restricted Working Space, Add	*94.88*	
23 31 13 13-0507	LF	50" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	365.26	186.05
		For Seal Class B, Add	*46.51*	
		For Seal Class A, Add	*99.22*	
		For Work In Restricted Working Space, Add	*93.02*	
23 31 13 13-0508	LF	50" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	372.56	189.76
		For Seal Class B, Add	*47.44*	
		For Seal Class A, Add	*101.21*	
		For Work In Restricted Working Space, Add	*94.88*	
23 31 13 13-0509	LF	50" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	379.86	193.48
		For Seal Class B, Add	*48.37*	
		For Seal Class A, Add	*103.19*	
		For Work In Restricted Working Space, Add	*96.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0510	LF	52" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	379.86	193.48
		For Seal Class B, Add	*48.37*	
		For Seal Class A, Add	*103.19*	
		For Work In Restricted Working Space, Add	*96.74*	
23 31 13 13-0511	LF	52" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	387.16	197.20
		For Seal Class B, Add	*49.30*	
		For Seal Class A, Add	*105.17*	
		For Work In Restricted Working Space, Add	*98.60*	
23 31 13 13-0512	LF	54" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	394.46	200.92
		For Seal Class B, Add	*50.23*	
		For Seal Class A, Add	*107.16*	
		For Work In Restricted Working Space, Add	*100.46*	

23 31 13 13-0513 20 Gauge Galvanized Steel Metal Ductwork *(23 31 13 13-0014)*

Note: Seal Class C

23 31 13 13-0514	LF	4" x 4", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	34.41	17.53
		For Seal Class B, Add	*4.38*	
		For Seal Class A, Add	*9.35*	
		For Work In Restricted Working Space, Add	*8.77*	
23 31 13 13-0515	LF	4" x 6", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	43.02	21.91
		For Seal Class B, Add	*5.48*	
		For Seal Class A, Add	*11.69*	
		For Work In Restricted Working Space, Add	*10.96*	
23 31 13 13-0516	LF	4" x 8", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	51.63	26.29
		For Seal Class B, Add	*6.57*	
		For Seal Class A, Add	*14.02*	
		For Work In Restricted Working Space, Add	*13.15*	
23 31 13 13-0517	LF	4" x 10", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	60.22	30.67
		For Seal Class B, Add	*7.67*	
		For Seal Class A, Add	*16.36*	
		For Work In Restricted Working Space, Add	*15.34*	
23 31 13 13-0518	LF	4" x 12", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	68.83	35.06
		For Seal Class B, Add	*8.76*	
		For Seal Class A, Add	*18.70*	
		For Work In Restricted Working Space, Add	*17.53*	
23 31 13 13-0519	LF	4" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	77.44	39.44
		For Seal Class B, Add	*9.86*	
		For Seal Class A, Add	*21.03*	
		For Work In Restricted Working Space, Add	*19.72*	
23 31 13 13-0520	LF	4" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	86.05	43.82
		For Seal Class B, Add	*10.96*	
		For Seal Class A, Add	*23.38*	
		For Work In Restricted Working Space, Add	*21.92*	
23 31 13 13-0521	LF	6" x 6", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	51.63	26.29
		For Seal Class B, Add	*6.57*	
		For Seal Class A, Add	*14.02*	
		For Work In Restricted Working Space, Add	*13.15*	
23 31 13 13-0522	LF	6" x 8", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	60.22	30.67
		For Seal Class B, Add	*7.67*	
		For Seal Class A, Add	*16.36*	
		For Work In Restricted Working Space, Add	*15.34*	
23 31 13 13-0523	LF	6" x 10", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	68.83	35.06
		For Seal Class B, Add	*8.76*	
		For Seal Class A, Add	*18.70*	
		For Work In Restricted Working Space, Add	*17.53*	
23 31 13 13-0524	LF	6" x 12", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	77.44	39.44
		For Seal Class B, Add	*9.86*	
		For Seal Class A, Add	*21.03*	
		For Work In Restricted Working Space, Add	*19.72*	
23 31 13 13-0525	LF	6" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	86.05	43.82
		For Seal Class B, Add	*10.96*	
		For Seal Class A, Add	*23.38*	
		For Work In Restricted Working Space, Add	*21.92*	
23 31 13 13-0526	LF	6" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	94.65	48.20
		For Seal Class B, Add	*12.05*	
		For Seal Class A, Add	*25.71*	
		For Work In Restricted Working Space, Add	*24.10*	
23 31 13 13-0527	LF	8" x 8", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	68.83	35.06
		For Seal Class B, Add	*8.76*	
		For Seal Class A, Add	*18.70*	
		For Work In Restricted Working Space, Add	*17.53*	
23 31 13 13-0528	LF	8" x 10", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	77.44	39.44
		For Seal Class B, Add	*9.86*	
		For Seal Class A, Add	*21.03*	
		For Work In Restricted Working Space, Add	*19.72*	
23 31 13 13-0529	LF	8" x 12", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	86.05	43.82
		For Seal Class B, Add	*10.96*	
		For Seal Class A, Add	*23.38*	
		For Work In Restricted Working Space, Add	*21.92*	
23 31 13 13-0530	LF	8" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	94.65	48.20
		For Seal Class B, Add	*12.05*	
		For Seal Class A, Add	*25.71*	
		For Work In Restricted Working Space, Add	*24.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0531	LF	8" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	103.24	52.59
		For Seal Class B, Add	*13.15*	
		For Seal Class A, Add	*28.05*	
		For Work In Restricted Working Space, Add	*26.30*	
23 31 13 13-0532	LF	8" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	111.85	56.96
		For Seal Class B, Add	*14.24*	
		For Seal Class A, Add	*30.38*	
		For Work In Restricted Working Space, Add	*28.49*	
23 31 13 13-0533	LF	8" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	120.46	61.36
		For Seal Class B, Add	*15.34*	
		For Seal Class A, Add	*32.72*	
		For Work In Restricted Working Space, Add	*30.68*	
23 31 13 13-0534	LF	8" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	129.04	65.73
		For Seal Class B, Add	*16.43*	
		For Seal Class A, Add	*35.06*	
		For Work In Restricted Working Space, Add	*32.87*	
23 31 13 13-0535	LF	8" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	137.66	70.11
		For Seal Class B, Add	*17.53*	
		For Seal Class A, Add	*37.40*	
		For Work In Restricted Working Space, Add	*35.06*	
23 31 13 13-0536	LF	10" x 10", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	86.05	43.82
		For Seal Class B, Add	*10.96*	
		For Seal Class A, Add	*23.38*	
		For Work In Restricted Working Space, Add	*21.92*	
23 31 13 13-0537	LF	10" x 12", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	94.65	48.20
		For Seal Class B, Add	*12.05*	
		For Seal Class A, Add	*25.71*	
		For Work In Restricted Working Space, Add	*24.10*	
23 31 13 13-0538	LF	10" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	103.24	52.59
		For Seal Class B, Add	*13.15*	
		For Seal Class A, Add	*28.05*	
		For Work In Restricted Working Space, Add	*26.30*	
23 31 13 13-0539	LF	10" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	111.85	56.96
		For Seal Class B, Add	*14.24*	
		For Seal Class A, Add	*30.38*	
		For Work In Restricted Working Space, Add	*28.49*	
23 31 13 13-0540	LF	10" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	120.46	61.36
		For Seal Class B, Add	*15.34*	
		For Seal Class A, Add	*32.72*	
		For Work In Restricted Working Space, Add	*30.68*	
23 31 13 13-0541	LF	10" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	129.04	65.73
		For Seal Class B, Add	*16.43*	
		For Seal Class A, Add	*35.06*	
		For Work In Restricted Working Space, Add	*32.87*	
23 31 13 13-0542	LF	10" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	137.66	70.11
		For Seal Class B, Add	*17.53*	
		For Seal Class A, Add	*37.40*	
		For Work In Restricted Working Space, Add	*35.06*	
23 31 13 13-0543	LF	10" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	146.28	74.50
		For Seal Class B, Add	*18.63*	
		For Seal Class A, Add	*39.73*	
		For Work In Restricted Working Space, Add	*37.25*	
23 31 13 13-0544	LF	10" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	154.87	78.88
		For Seal Class B, Add	*19.72*	
		For Seal Class A, Add	*42.07*	
		For Work In Restricted Working Space, Add	*39.44*	
23 31 13 13-0545	LF	10" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	163.49	83.26
		For Seal Class B, Add	*20.82*	
		For Seal Class A, Add	*44.41*	
		For Work In Restricted Working Space, Add	*41.63*	
23 31 13 13-0546	LF	10" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	172.06	87.65
		For Seal Class B, Add	*21.91*	
		For Seal Class A, Add	*46.74*	
		For Work In Restricted Working Space, Add	*43.82*	
23 31 13 13-0547	LF	10" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	180.68	92.02
		For Seal Class B, Add	*23.01*	
		For Seal Class A, Add	*49.08*	
		For Work In Restricted Working Space, Add	*46.01*	
23 31 13 13-0548	LF	12" x 12", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	103.24	52.59
		For Seal Class B, Add	*13.15*	
		For Seal Class A, Add	*28.05*	
		For Work In Restricted Working Space, Add	*26.30*	
23 31 13 13-0549	LF	12" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	111.85	56.96
		For Seal Class B, Add	*14.24*	
		For Seal Class A, Add	*30.38*	
		For Work In Restricted Working Space, Add	*28.49*	
23 31 13 13-0550	LF	12" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	120.46	61.36
		For Seal Class B, Add	*15.34*	
		For Seal Class A, Add	*32.72*	
		For Work In Restricted Working Space, Add	*30.68*	
23 31 13 13-0551	LF	12" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	129.04	65.73
		For Seal Class B, Add	*16.43*	
		For Seal Class A, Add	*35.06*	
		For Work In Restricted Working Space, Add	*32.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0552	LF	12" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	137.66	70.11
		For Seal Class B, Add	*17.53*	
		For Seal Class A, Add	*37.40*	
		For Work In Restricted Working Space, Add	*35.06*	
23 31 13 13-0553	LF	12" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	146.28	74.50
		For Seal Class B, Add	*18.63*	
		For Seal Class A, Add	*39.73*	
		For Work In Restricted Working Space, Add	*37.25*	
23 31 13 13-0554	LF	12" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	154.87	78.88
		For Seal Class B, Add	*19.72*	
		For Seal Class A, Add	*42.07*	
		For Work In Restricted Working Space, Add	*39.44*	
23 31 13 13-0555	LF	12" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	163.49	83.26
		For Seal Class B, Add	*20.82*	
		For Seal Class A, Add	*44.41*	
		For Work In Restricted Working Space, Add	*41.63*	
23 31 13 13-0556	LF	12" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	172.06	87.65
		For Seal Class B, Add	*21.91*	
		For Seal Class A, Add	*46.74*	
		For Work In Restricted Working Space, Add	*43.82*	
23 31 13 13-0557	LF	12" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	180.68	92.02
		For Seal Class B, Add	*23.01*	
		For Seal Class A, Add	*49.08*	
		For Work In Restricted Working Space, Add	*46.01*	
23 31 13 13-0558	LF	12" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	189.29	96.41
		For Seal Class B, Add	*24.10*	
		For Seal Class A, Add	*51.42*	
		For Work In Restricted Working Space, Add	*48.20*	
23 31 13 13-0559	LF	12" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	197.87	100.79
		For Seal Class B, Add	*25.20*	
		For Seal Class A, Add	*53.75*	
		For Work In Restricted Working Space, Add	*50.39*	
23 31 13 13-0560	LF	12" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	206.50	105.18
		For Seal Class B, Add	*26.30*	
		For Seal Class A, Add	*56.10*	
		For Work In Restricted Working Space, Add	*52.59*	
23 31 13 13-0561	LF	14" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	120.46	61.36
		For Seal Class B, Add	*15.34*	
		For Seal Class A, Add	*32.72*	
		For Work In Restricted Working Space, Add	*30.68*	
23 31 13 13-0562	LF	14" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	129.04	65.73
		For Seal Class B, Add	*16.43*	
		For Seal Class A, Add	*35.06*	
		For Work In Restricted Working Space, Add	*32.87*	
23 31 13 13-0563	LF	14" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	137.66	70.11
		For Seal Class B, Add	*17.53*	
		For Seal Class A, Add	*37.40*	
		For Work In Restricted Working Space, Add	*35.06*	
23 31 13 13-0564	LF	14" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	146.28	74.50
		For Seal Class B, Add	*18.63*	
		For Seal Class A, Add	*39.73*	
		For Work In Restricted Working Space, Add	*37.25*	
23 31 13 13-0565	LF	14" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	154.87	78.88
		For Seal Class B, Add	*19.72*	
		For Seal Class A, Add	*42.07*	
		For Work In Restricted Working Space, Add	*39.44*	
23 31 13 13-0566	LF	14" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	163.49	83.26
		For Seal Class B, Add	*20.82*	
		For Seal Class A, Add	*44.41*	
		For Work In Restricted Working Space, Add	*41.63*	
23 31 13 13-0567	LF	14" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	172.06	87.65
		For Seal Class B, Add	*21.91*	
		For Seal Class A, Add	*46.74*	
		For Work In Restricted Working Space, Add	*43.82*	
23 31 13 13-0568	LF	14" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	180.68	92.02
		For Seal Class B, Add	*23.01*	
		For Seal Class A, Add	*49.08*	
		For Work In Restricted Working Space, Add	*46.01*	
23 31 13 13-0569	LF	14" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	189.29	96.41
		For Seal Class B, Add	*24.10*	
		For Seal Class A, Add	*51.42*	
		For Work In Restricted Working Space, Add	*48.20*	
23 31 13 13-0570	LF	14" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	197.87	100.79
		For Seal Class B, Add	*25.20*	
		For Seal Class A, Add	*53.75*	
		For Work In Restricted Working Space, Add	*50.39*	
23 31 13 13-0571	LF	14" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	206.50	105.18
		For Seal Class B, Add	*26.30*	
		For Seal Class A, Add	*56.10*	
		For Work In Restricted Working Space, Add	*52.59*	
23 31 13 13-0572	LF	14" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	215.09	109.55
		For Seal Class B, Add	*27.39*	
		For Seal Class A, Add	*58.43*	
		For Work In Restricted Working Space, Add	*54.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0573	LF	16" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	137.66	70.11
		For Seal Class B, Add	*17.53*	
		For Seal Class A, Add	*37.40*	
		For Work In Restricted Working Space, Add	*35.06*	
23 31 13 13-0574	LF	16" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	146.28	74.50
		For Seal Class B, Add	*18.63*	
		For Seal Class A, Add	*39.73*	
		For Work In Restricted Working Space, Add	*37.25*	
23 31 13 13-0575	LF	16" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	154.87	78.88
		For Seal Class B, Add	*19.72*	
		For Seal Class A, Add	*42.07*	
		For Work In Restricted Working Space, Add	*39.44*	
23 31 13 13-0576	LF	16" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	163.49	83.26
		For Seal Class B, Add	*20.82*	
		For Seal Class A, Add	*44.41*	
		For Work In Restricted Working Space, Add	*41.63*	
23 31 13 13-0577	LF	16" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	172.06	87.65
		For Seal Class B, Add	*21.91*	
		For Seal Class A, Add	*46.74*	
		For Work In Restricted Working Space, Add	*43.82*	
23 31 13 13-0578	LF	16" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	180.68	92.02
		For Seal Class B, Add	*23.01*	
		For Seal Class A, Add	*49.08*	
		For Work In Restricted Working Space, Add	*46.01*	
23 31 13 13-0579	LF	16" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	189.29	96.41
		For Seal Class B, Add	*24.10*	
		For Seal Class A, Add	*51.42*	
		For Work In Restricted Working Space, Add	*48.20*	
23 31 13 13-0580	LF	16" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	197.87	100.79
		For Seal Class B, Add	*25.20*	
		For Seal Class A, Add	*53.75*	
		For Work In Restricted Working Space, Add	*50.39*	
23 31 13 13-0581	LF	16" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	206.50	105.18
		For Seal Class B, Add	*26.30*	
		For Seal Class A, Add	*56.10*	
		For Work In Restricted Working Space, Add	*52.59*	
23 31 13 13-0582	LF	16" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	215.09	109.55
		For Seal Class B, Add	*27.39*	
		For Seal Class A, Add	*58.43*	
		For Work In Restricted Working Space, Add	*54.78*	
23 31 13 13-0583	LF	16" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	223.71	113.95
		For Seal Class B, Add	*28.49*	
		For Seal Class A, Add	*60.77*	
		For Work In Restricted Working Space, Add	*56.97*	
23 31 13 13-0584	LF	16" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	232.31	118.32
		For Seal Class B, Add	*29.58*	
		For Seal Class A, Add	*63.10*	
		For Work In Restricted Working Space, Add	*59.16*	
23 31 13 13-0585	LF	16" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	240.90	122.70
		For Seal Class B, Add	*30.68*	
		For Seal Class A, Add	*65.44*	
		For Work In Restricted Working Space, Add	*61.35*	
23 31 13 13-0586	LF	16" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	249.50	127.09
		For Seal Class B, Add	*31.77*	
		For Seal Class A, Add	*67.78*	
		For Work In Restricted Working Space, Add	*63.54*	
23 31 13 13-0587	LF	16" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	258.13	131.47
		For Seal Class B, Add	*32.87*	
		For Seal Class A, Add	*70.12*	
		For Work In Restricted Working Space, Add	*65.74*	
23 31 13 13-0588	LF	18" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	154.87	78.88
		For Seal Class B, Add	*19.72*	
		For Seal Class A, Add	*42.07*	
		For Work In Restricted Working Space, Add	*39.44*	
23 31 13 13-0589	LF	18" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	163.49	83.26
		For Seal Class B, Add	*20.82*	
		For Seal Class A, Add	*44.41*	
		For Work In Restricted Working Space, Add	*41.63*	
23 31 13 13-0590	LF	18" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	172.06	87.65
		For Seal Class B, Add	*21.91*	
		For Seal Class A, Add	*46.74*	
		For Work In Restricted Working Space, Add	*43.82*	
23 31 13 13-0591	LF	18" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	180.68	92.02
		For Seal Class B, Add	*23.01*	
		For Seal Class A, Add	*49.08*	
		For Work In Restricted Working Space, Add	*46.01*	
23 31 13 13-0592	LF	18" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	189.29	96.41
		For Seal Class B, Add	*24.10*	
		For Seal Class A, Add	*51.42*	
		For Work In Restricted Working Space, Add	*48.20*	
23 31 13 13-0593	LF	18" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	197.87	100.79
		For Seal Class B, Add	*25.20*	
		For Seal Class A, Add	*53.75*	
		For Work In Restricted Working Space, Add	*50.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0594	LF	18" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	206.50	105.18
		For Seal Class B, Add	*26.30*	
		For Seal Class A, Add	*56.10*	
		For Work In Restricted Working Space, Add	*52.59*	
23 31 13 13-0595	LF	18" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	215.09	109.55
		For Seal Class B, Add	*27.39*	
		For Seal Class A, Add	*58.43*	
		For Work In Restricted Working Space, Add	*54.78*	
23 31 13 13-0596	LF	18" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	223.71	113.95
		For Seal Class B, Add	*28.49*	
		For Seal Class A, Add	*60.77*	
		For Work In Restricted Working Space, Add	*56.97*	
23 31 13 13-0597	LF	18" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	232.31	118.32
		For Seal Class B, Add	*29.58*	
		For Seal Class A, Add	*63.10*	
		For Work In Restricted Working Space, Add	*59.16*	
23 31 13 13-0598	LF	18" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	240.90	122.70
		For Seal Class B, Add	*30.68*	
		For Seal Class A, Add	*65.44*	
		For Work In Restricted Working Space, Add	*61.35*	
23 31 13 13-0599	LF	18" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	249.50	127.09
		For Seal Class B, Add	*31.77*	
		For Seal Class A, Add	*67.78*	
		For Work In Restricted Working Space, Add	*63.54*	
23 31 13 13-0600	LF	18" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	258.13	131.47
		For Seal Class B, Add	*32.87*	
		For Seal Class A, Add	*70.12*	
		For Work In Restricted Working Space, Add	*65.74*	
23 31 13 13-0601	LF	18" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	266.72	135.85
		For Seal Class B, Add	*33.96*	
		For Seal Class A, Add	*72.45*	
		For Work In Restricted Working Space, Add	*67.93*	
23 31 13 13-0602	LF	18" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	275.34	140.24
		For Seal Class B, Add	*35.06*	
		For Seal Class A, Add	*74.79*	
		For Work In Restricted Working Space, Add	*70.12*	
23 31 13 13-0603	LF	20" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	172.06	87.65
		For Seal Class B, Add	*21.91*	
		For Seal Class A, Add	*46.74*	
		For Work In Restricted Working Space, Add	*43.82*	
23 31 13 13-0604	LF	20" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	180.68	92.02
		For Seal Class B, Add	*23.01*	
		For Seal Class A, Add	*49.08*	
		For Work In Restricted Working Space, Add	*46.01*	
23 31 13 13-0605	LF	20" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	189.29	96.41
		For Seal Class B, Add	*24.10*	
		For Seal Class A, Add	*51.42*	
		For Work In Restricted Working Space, Add	*48.20*	
23 31 13 13-0606	LF	20" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	197.87	100.79
		For Seal Class B, Add	*25.20*	
		For Seal Class A, Add	*53.75*	
		For Work In Restricted Working Space, Add	*50.39*	
23 31 13 13-0607	LF	20" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	206.50	105.18
		For Seal Class B, Add	*26.30*	
		For Seal Class A, Add	*56.10*	
		For Work In Restricted Working Space, Add	*52.59*	
23 31 13 13-0608	LF	20" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	215.09	109.55
		For Seal Class B, Add	*27.39*	
		For Seal Class A, Add	*58.43*	
		For Work In Restricted Working Space, Add	*54.78*	
23 31 13 13-0609	LF	20" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	223.71	113.95
		For Seal Class B, Add	*28.49*	
		For Seal Class A, Add	*60.77*	
		For Work In Restricted Working Space, Add	*56.97*	
23 31 13 13-0610	LF	20" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	232.31	118.32
		For Seal Class B, Add	*29.58*	
		For Seal Class A, Add	*63.10*	
		For Work In Restricted Working Space, Add	*59.16*	
23 31 13 13-0611	LF	20" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	240.90	122.70
		For Seal Class B, Add	*30.68*	
		For Seal Class A, Add	*65.44*	
		For Work In Restricted Working Space, Add	*61.35*	
23 31 13 13-0612	LF	20" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	249.50	127.09
		For Seal Class B, Add	*31.77*	
		For Seal Class A, Add	*67.78*	
		For Work In Restricted Working Space, Add	*63.54*	
23 31 13 13-0613	LF	20" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	258.13	131.47
		For Seal Class B, Add	*32.87*	
		For Seal Class A, Add	*70.12*	
		For Work In Restricted Working Space, Add	*65.74*	
23 31 13 13-0614	LF	20" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	266.72	135.85
		For Seal Class B, Add	*33.96*	
		For Seal Class A, Add	*72.45*	
		For Work In Restricted Working Space, Add	*67.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0615	LF	20" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	275.34	140.24
		For Seal Class B, Add	*35.06*	
		For Seal Class A, Add	*74.79*	
		For Work In Restricted Working Space, Add	*70.12*	
23 31 13 13-0616	LF	20" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	283.92	144.61
		For Seal Class B, Add	*36.15*	
		For Seal Class A, Add	*77.13*	
		For Work In Restricted Working Space, Add	*72.31*	
23 31 13 13-0617	LF	20" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	292.53	149.01
		For Seal Class B, Add	*37.25*	
		For Seal Class A, Add	*79.47*	
		For Work In Restricted Working Space, Add	*74.50*	
23 31 13 13-0618	LF	22" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	189.29	96.41
		For Seal Class B, Add	*24.10*	
		For Seal Class A, Add	*51.42*	
		For Work In Restricted Working Space, Add	*48.20*	
23 31 13 13-0619	LF	22" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	197.87	100.79
		For Seal Class B, Add	*25.20*	
		For Seal Class A, Add	*53.75*	
		For Work In Restricted Working Space, Add	*50.39*	
23 31 13 13-0620	LF	22" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	206.50	105.18
		For Seal Class B, Add	*26.30*	
		For Seal Class A, Add	*56.10*	
		For Work In Restricted Working Space, Add	*52.59*	
23 31 13 13-0621	LF	22" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	215.09	109.55
		For Seal Class B, Add	*27.39*	
		For Seal Class A, Add	*58.43*	
		For Work In Restricted Working Space, Add	*54.78*	
23 31 13 13-0622	LF	22" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	223.71	113.95
		For Seal Class B, Add	*28.49*	
		For Seal Class A, Add	*60.77*	
		For Work In Restricted Working Space, Add	*56.97*	
23 31 13 13-0623	LF	22" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	232.31	118.32
		For Seal Class B, Add	*29.58*	
		For Seal Class A, Add	*63.10*	
		For Work In Restricted Working Space, Add	*59.16*	
23 31 13 13-0624	LF	22" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	240.90	122.70
		For Seal Class B, Add	*30.68*	
		For Seal Class A, Add	*65.44*	
		For Work In Restricted Working Space, Add	*61.35*	
23 31 13 13-0625	LF	22" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	249.50	127.09
		For Seal Class B, Add	*31.77*	
		For Seal Class A, Add	*67.78*	
		For Work In Restricted Working Space, Add	*63.54*	
23 31 13 13-0626	LF	22" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	258.13	131.47
		For Seal Class B, Add	*32.87*	
		For Seal Class A, Add	*70.12*	
		For Work In Restricted Working Space, Add	*65.74*	
23 31 13 13-0627	LF	22" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	266.72	135.85
		For Seal Class B, Add	*33.96*	
		For Seal Class A, Add	*72.45*	
		For Work In Restricted Working Space, Add	*67.93*	
23 31 13 13-0628	LF	22" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	275.34	140.24
		For Seal Class B, Add	*35.06*	
		For Seal Class A, Add	*74.79*	
		For Work In Restricted Working Space, Add	*70.12*	
23 31 13 13-0629	LF	22" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	283.92	144.61
		For Seal Class B, Add	*36.15*	
		For Seal Class A, Add	*77.13*	
		For Work In Restricted Working Space, Add	*72.31*	
23 31 13 13-0630	LF	22" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	292.53	149.01
		For Seal Class B, Add	*37.25*	
		For Seal Class A, Add	*79.47*	
		For Work In Restricted Working Space, Add	*74.50*	
23 31 13 13-0631	LF	22" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	301.15	153.38
		For Seal Class B, Add	*38.35*	
		For Seal Class A, Add	*81.80*	
		For Work In Restricted Working Space, Add	*76.69*	
23 31 13 13-0632	LF	24" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	206.50	105.18
		For Seal Class B, Add	*26.30*	
		For Seal Class A, Add	*56.10*	
		For Work In Restricted Working Space, Add	*52.59*	
23 31 13 13-0633	LF	24" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	215.09	109.55
		For Seal Class B, Add	*27.39*	
		For Seal Class A, Add	*58.43*	
		For Work In Restricted Working Space, Add	*54.78*	
23 31 13 13-0634	LF	24" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	223.71	113.95
		For Seal Class B, Add	*28.49*	
		For Seal Class A, Add	*60.77*	
		For Work In Restricted Working Space, Add	*56.97*	
23 31 13 13-0635	LF	24" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	232.31	118.32
		For Seal Class B, Add	*29.58*	
		For Seal Class A, Add	*63.10*	
		For Work In Restricted Working Space, Add	*59.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0636	LF	24" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	240.90	122.70
		For Seal Class B, Add	*30.68*	
		For Seal Class A, Add	*65.44*	
		For Work In Restricted Working Space, Add	*61.35*	
23 31 13 13-0637	LF	24" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	249.50	127.09
		For Seal Class B, Add	*31.77*	
		For Seal Class A, Add	*67.78*	
		For Work In Restricted Working Space, Add	*63.54*	
23 31 13 13-0638	LF	24" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	258.13	131.47
		For Seal Class B, Add	*32.87*	
		For Seal Class A, Add	*70.12*	
		For Work In Restricted Working Space, Add	*65.74*	
23 31 13 13-0639	LF	24" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	266.72	135.85
		For Seal Class B, Add	*33.96*	
		For Seal Class A, Add	*72.45*	
		For Work In Restricted Working Space, Add	*67.93*	
23 31 13 13-0640	LF	24" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	275.34	140.24
		For Seal Class B, Add	*35.06*	
		For Seal Class A, Add	*74.79*	
		For Work In Restricted Working Space, Add	*70.12*	
23 31 13 13-0641	LF	24" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	283.92	144.61
		For Seal Class B, Add	*36.15*	
		For Seal Class A, Add	*77.13*	
		For Work In Restricted Working Space, Add	*72.31*	
23 31 13 13-0642	LF	24" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	292.53	149.01
		For Seal Class B, Add	*37.25*	
		For Seal Class A, Add	*79.47*	
		For Work In Restricted Working Space, Add	*74.50*	
23 31 13 13-0643	LF	24" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	301.15	153.38
		For Seal Class B, Add	*38.35*	
		For Seal Class A, Add	*81.80*	
		For Work In Restricted Working Space, Add	*76.69*	
23 31 13 13-0644	LF	24" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	309.72	157.77
		For Seal Class B, Add	*39.44*	
		For Seal Class A, Add	*84.14*	
		For Work In Restricted Working Space, Add	*78.88*	
23 31 13 13-0645	LF	26" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	223.71	113.95
		For Seal Class B, Add	*28.49*	
		For Seal Class A, Add	*60.77*	
		For Work In Restricted Working Space, Add	*56.97*	
23 31 13 13-0646	LF	26" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	232.31	118.32
		For Seal Class B, Add	*29.58*	
		For Seal Class A, Add	*63.10*	
		For Work In Restricted Working Space, Add	*59.16*	
23 31 13 13-0647	LF	26" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	240.90	122.70
		For Seal Class B, Add	*30.68*	
		For Seal Class A, Add	*65.44*	
		For Work In Restricted Working Space, Add	*61.35*	
23 31 13 13-0648	LF	26" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	249.50	127.09
		For Seal Class B, Add	*31.77*	
		For Seal Class A, Add	*67.78*	
		For Work In Restricted Working Space, Add	*63.54*	
23 31 13 13-0649	LF	26" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	258.13	131.47
		For Seal Class B, Add	*32.87*	
		For Seal Class A, Add	*70.12*	
		For Work In Restricted Working Space, Add	*65.74*	
23 31 13 13-0650	LF	26" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	266.72	135.85
		For Seal Class B, Add	*33.96*	
		For Seal Class A, Add	*72.45*	
		For Work In Restricted Working Space, Add	*67.93*	
23 31 13 13-0651	LF	26" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	275.34	140.24
		For Seal Class B, Add	*35.06*	
		For Seal Class A, Add	*74.79*	
		For Work In Restricted Working Space, Add	*70.12*	
23 31 13 13-0652	LF	26" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	283.92	144.61
		For Seal Class B, Add	*36.15*	
		For Seal Class A, Add	*77.13*	
		For Work In Restricted Working Space, Add	*72.31*	
23 31 13 13-0653	LF	26" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	292.53	149.01
		For Seal Class B, Add	*37.25*	
		For Seal Class A, Add	*79.47*	
		For Work In Restricted Working Space, Add	*74.50*	
23 31 13 13-0654	LF	26" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	301.15	153.38
		For Seal Class B, Add	*38.35*	
		For Seal Class A, Add	*81.80*	
		For Work In Restricted Working Space, Add	*76.69*	
23 31 13 13-0655	LF	26" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	309.72	157.77
		For Seal Class B, Add	*39.44*	
		For Seal Class A, Add	*84.14*	
		For Work In Restricted Working Space, Add	*78.88*	
23 31 13 13-0656	LF	26" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	318.35	162.15
		For Seal Class B, Add	*40.54*	
		For Seal Class A, Add	*86.48*	
		For Work In Restricted Working Space, Add	*81.08*	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0657	LF	28" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	240.90	122.70
		For Seal Class B, Add	*30.68*	
		For Seal Class A, Add	*65.44*	
		For Work In Restricted Working Space, Add	*61.35*	
23 31 13 13-0658	LF	28" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	249.50	127.09
		For Seal Class B, Add	*31.77*	
		For Seal Class A, Add	*67.78*	
		For Work In Restricted Working Space, Add	*63.54*	
23 31 13 13-0659	LF	28" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	258.13	131.47
		For Seal Class B, Add	*32.87*	
		For Seal Class A, Add	*70.12*	
		For Work In Restricted Working Space, Add	*65.74*	
23 31 13 13-0660	LF	28" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	266.72	135.85
		For Seal Class B, Add	*33.96*	
		For Seal Class A, Add	*72.45*	
		For Work In Restricted Working Space, Add	*67.93*	
23 31 13 13-0661	LF	28" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	275.34	140.24
		For Seal Class B, Add	*35.06*	
		For Seal Class A, Add	*74.79*	
		For Work In Restricted Working Space, Add	*70.12*	
23 31 13 13-0662	LF	28" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	283.92	144.61
		For Seal Class B, Add	*36.15*	
		For Seal Class A, Add	*77.13*	
		For Work In Restricted Working Space, Add	*72.31*	
23 31 13 13-0663	LF	28" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	292.53	149.01
		For Seal Class B, Add	*37.25*	
		For Seal Class A, Add	*79.47*	
		For Work In Restricted Working Space, Add	*74.50*	
23 31 13 13-0664	LF	28" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	301.15	153.38
		For Seal Class B, Add	*38.35*	
		For Seal Class A, Add	*81.80*	
		For Work In Restricted Working Space, Add	*76.69*	
23 31 13 13-0665	LF	28" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	309.72	157.77
		For Seal Class B, Add	*39.44*	
		For Seal Class A, Add	*84.14*	
		For Work In Restricted Working Space, Add	*78.88*	
23 31 13 13-0666	LF	28" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	318.35	162.15
		For Seal Class B, Add	*40.54*	
		For Seal Class A, Add	*86.48*	
		For Work In Restricted Working Space, Add	*81.08*	
23 31 13 13-0667	LF	28" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	326.94	166.53
		For Seal Class B, Add	*41.63*	
		For Seal Class A, Add	*88.82*	
		For Work In Restricted Working Space, Add	*83.27*	
23 31 13 13-0668	LF	30" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	258.13	131.47
		For Seal Class B, Add	*32.87*	
		For Seal Class A, Add	*70.12*	
		For Work In Restricted Working Space, Add	*65.74*	
23 31 13 13-0669	LF	30" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	266.72	135.85
		For Seal Class B, Add	*33.96*	
		For Seal Class A, Add	*72.45*	
		For Work In Restricted Working Space, Add	*67.93*	
23 31 13 13-0670	LF	30" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	275.34	140.24
		For Seal Class B, Add	*35.06*	
		For Seal Class A, Add	*74.79*	
		For Work In Restricted Working Space, Add	*70.12*	
23 31 13 13-0671	LF	30" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	283.92	144.61
		For Seal Class B, Add	*36.15*	
		For Seal Class A, Add	*77.13*	
		For Work In Restricted Working Space, Add	*72.31*	
23 31 13 13-0672	LF	30" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	292.53	149.01
		For Seal Class B, Add	*37.25*	
		For Seal Class A, Add	*79.47*	
		For Work In Restricted Working Space, Add	*74.50*	
23 31 13 13-0673	LF	30" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	301.15	153.38
		For Seal Class B, Add	*38.35*	
		For Seal Class A, Add	*81.80*	
		For Work In Restricted Working Space, Add	*76.69*	
23 31 13 13-0674	LF	30" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	309.72	157.77
		For Seal Class B, Add	*39.44*	
		For Seal Class A, Add	*84.14*	
		For Work In Restricted Working Space, Add	*78.88*	
23 31 13 13-0675	LF	30" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	318.35	162.15
		For Seal Class B, Add	*40.54*	
		For Seal Class A, Add	*86.48*	
		For Work In Restricted Working Space, Add	*81.08*	
23 31 13 13-0676	LF	30" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	326.94	166.53
		For Seal Class B, Add	*41.63*	
		For Seal Class A, Add	*88.82*	
		For Work In Restricted Working Space, Add	*83.27*	
23 31 13 13-0677	LF	30" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	335.55	170.91
		For Seal Class B, Add	*42.73*	
		For Seal Class A, Add	*91.15*	
		For Work In Restricted Working Space, Add	*85.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0678	LF	32" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	275.34	140.24
		For Seal Class B, Add	*35.06*	
		For Seal Class A, Add	*74.79*	
		For Work In Restricted Working Space, Add	*70.12*	
23 31 13 13-0679	LF	32" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	283.92	144.61
		For Seal Class B, Add	*36.15*	
		For Seal Class A, Add	*77.13*	
		For Work In Restricted Working Space, Add	*72.31*	
23 31 13 13-0680	LF	32" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	292.53	149.01
		For Seal Class B, Add	*37.25*	
		For Seal Class A, Add	*79.47*	
		For Work In Restricted Working Space, Add	*74.50*	
23 31 13 13-0681	LF	32" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	301.15	153.38
		For Seal Class B, Add	*38.35*	
		For Seal Class A, Add	*81.80*	
		For Work In Restricted Working Space, Add	*76.69*	
23 31 13 13-0682	LF	32" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	309.72	157.77
		For Seal Class B, Add	*39.44*	
		For Seal Class A, Add	*84.14*	
		For Work In Restricted Working Space, Add	*78.88*	
23 31 13 13-0683	LF	32" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	318.35	162.15
		For Seal Class B, Add	*40.54*	
		For Seal Class A, Add	*86.48*	
		For Work In Restricted Working Space, Add	*81.08*	
23 31 13 13-0684	LF	32" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	326.94	166.53
		For Seal Class B, Add	*41.63*	
		For Seal Class A, Add	*88.82*	
		For Work In Restricted Working Space, Add	*83.27*	
23 31 13 13-0685	LF	32" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	335.55	170.91
		For Seal Class B, Add	*42.73*	
		For Seal Class A, Add	*91.15*	
		For Work In Restricted Working Space, Add	*85.46*	
23 31 13 13-0686	LF	32" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	344.17	175.30
		For Seal Class B, Add	*43.82*	
		For Seal Class A, Add	*93.49*	
		For Work In Restricted Working Space, Add	*87.65*	
23 31 13 13-0687	LF	34" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	292.53	149.01
		For Seal Class B, Add	*37.25*	
		For Seal Class A, Add	*79.47*	
		For Work In Restricted Working Space, Add	*74.50*	
23 31 13 13-0688	LF	34" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	301.15	153.38
		For Seal Class B, Add	*38.35*	
		For Seal Class A, Add	*81.80*	
		For Work In Restricted Working Space, Add	*76.69*	
23 31 13 13-0689	LF	34" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	309.72	157.77
		For Seal Class B, Add	*39.44*	
		For Seal Class A, Add	*84.14*	
		For Work In Restricted Working Space, Add	*78.88*	
23 31 13 13-0690	LF	34" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	318.35	162.15
		For Seal Class B, Add	*40.54*	
		For Seal Class A, Add	*86.48*	
		For Work In Restricted Working Space, Add	*81.08*	
23 31 13 13-0691	LF	34" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	326.94	166.53
		For Seal Class B, Add	*41.63*	
		For Seal Class A, Add	*88.82*	
		For Work In Restricted Working Space, Add	*83.27*	
23 31 13 13-0692	LF	34" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	335.55	170.91
		For Seal Class B, Add	*42.73*	
		For Seal Class A, Add	*91.15*	
		For Work In Restricted Working Space, Add	*85.46*	
23 31 13 13-0693	LF	34" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	344.17	175.30
		For Seal Class B, Add	*43.82*	
		For Seal Class A, Add	*93.49*	
		For Work In Restricted Working Space, Add	*87.65*	
23 31 13 13-0694	LF	34" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	352.75	179.68
		For Seal Class B, Add	*44.92*	
		For Seal Class A, Add	*95.83*	
		For Work In Restricted Working Space, Add	*89.84*	
23 31 13 13-0695	LF	36" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	309.72	157.77
		For Seal Class B, Add	*39.44*	
		For Seal Class A, Add	*84.14*	
		For Work In Restricted Working Space, Add	*78.88*	
23 31 13 13-0696	LF	36" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	318.35	162.15
		For Seal Class B, Add	*40.54*	
		For Seal Class A, Add	*86.48*	
		For Work In Restricted Working Space, Add	*81.08*	
23 31 13 13-0697	LF	36" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	326.94	166.53
		For Seal Class B, Add	*41.63*	
		For Seal Class A, Add	*88.82*	
		For Work In Restricted Working Space, Add	*83.27*	
23 31 13 13-0698	LF	36" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	335.55	170.91
		For Seal Class B, Add	*42.73*	
		For Seal Class A, Add	*91.15*	
		For Work In Restricted Working Space, Add	*85.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0699	LF	36" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	344.17	175.30
		For Seal Class B, Add	*43.82*	
		For Seal Class A, Add	*93.49*	
		For Work In Restricted Working Space, Add	*87.65*	
23 31 13 13-0700	LF	36" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	352.75	179.68
		For Seal Class B, Add	*44.92*	
		For Seal Class A, Add	*95.83*	
		For Work In Restricted Working Space, Add	*89.84*	
23 31 13 13-0701	LF	36" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	361.36	184.06
		For Seal Class B, Add	*46.01*	
		For Seal Class A, Add	*98.16*	
		For Work In Restricted Working Space, Add	*92.03*	
23 31 13 13-0702	LF	38" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	326.94	166.53
		For Seal Class B, Add	*41.63*	
		For Seal Class A, Add	*88.82*	
		For Work In Restricted Working Space, Add	*83.27*	
23 31 13 13-0703	LF	38" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	335.55	170.91
		For Seal Class B, Add	*42.73*	
		For Seal Class A, Add	*91.15*	
		For Work In Restricted Working Space, Add	*85.46*	
23 31 13 13-0704	LF	38" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	344.17	175.30
		For Seal Class B, Add	*43.82*	
		For Seal Class A, Add	*93.49*	
		For Work In Restricted Working Space, Add	*87.65*	
23 31 13 13-0705	LF	38" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	352.75	179.68
		For Seal Class B, Add	*44.92*	
		For Seal Class A, Add	*95.83*	
		For Work In Restricted Working Space, Add	*89.84*	
23 31 13 13-0706	LF	38" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	361.36	184.06
		For Seal Class B, Add	*46.01*	
		For Seal Class A, Add	*98.16*	
		For Work In Restricted Working Space, Add	*92.03*	
23 31 13 13-0707	LF	38" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	369.98	188.44
		For Seal Class B, Add	*47.11*	
		For Seal Class A, Add	*100.50*	
		For Work In Restricted Working Space, Add	*94.22*	
23 31 13 13-0708	LF	38" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	378.58	192.83
		For Seal Class B, Add	*48.21*	
		For Seal Class A, Add	*102.84*	
		For Work In Restricted Working Space, Add	*96.41*	
23 31 13 13-0709	LF	40" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	344.17	175.30
		For Seal Class B, Add	*43.82*	
		For Seal Class A, Add	*93.49*	
		For Work In Restricted Working Space, Add	*87.65*	
23 31 13 13-0710	LF	40" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	352.75	179.68
		For Seal Class B, Add	*44.92*	
		For Seal Class A, Add	*95.83*	
		For Work In Restricted Working Space, Add	*89.84*	
23 31 13 13-0711	LF	40" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	361.36	184.06
		For Seal Class B, Add	*46.01*	
		For Seal Class A, Add	*98.16*	
		For Work In Restricted Working Space, Add	*92.03*	
23 31 13 13-0712	LF	40" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	369.98	188.44
		For Seal Class B, Add	*47.11*	
		For Seal Class A, Add	*100.50*	
		For Work In Restricted Working Space, Add	*94.22*	
23 31 13 13-0713	LF	40" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	378.58	192.83
		For Seal Class B, Add	*48.21*	
		For Seal Class A, Add	*102.84*	
		For Work In Restricted Working Space, Add	*96.41*	
23 31 13 13-0714	LF	40" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	387.17	197.20
		For Seal Class B, Add	*49.30*	
		For Seal Class A, Add	*105.17*	
		For Work In Restricted Working Space, Add	*98.60*	
23 31 13 13-0715	LF	40" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	395.77	201.60
		For Seal Class B, Add	*50.40*	
		For Seal Class A, Add	*107.51*	
		For Work In Restricted Working Space, Add	*100.79*	
23 31 13 13-0716	LF	40" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	404.38	205.97
		For Seal Class B, Add	*51.49*	
		For Seal Class A, Add	*109.85*	
		For Work In Restricted Working Space, Add	*102.98*	
23 31 13 13-0717	LF	40" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	412.99	210.35
		For Seal Class B, Add	*52.59*	
		For Seal Class A, Add	*112.19*	
		For Work In Restricted Working Space, Add	*105.17*	
23 31 13 13-0718	LF	42" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	361.36	184.06
		For Seal Class B, Add	*46.01*	
		For Seal Class A, Add	*98.16*	
		For Work In Restricted Working Space, Add	*92.03*	
23 31 13 13-0719	LF	42" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	369.98	188.44
		For Seal Class B, Add	*47.11*	
		For Seal Class A, Add	*100.50*	
		For Work In Restricted Working Space, Add	*94.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0720	LF	42" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	378.58	192.83
		For Seal Class B, Add	*48.21*	
		For Seal Class A, Add	*102.84*	
		For Work In Restricted Working Space, Add	*96.41*	
23 31 13 13-0721	LF	42" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	387.17	197.20
		For Seal Class B, Add	*49.30*	
		For Seal Class A, Add	*105.17*	
		For Work In Restricted Working Space, Add	*98.60*	
23 31 13 13-0722	LF	42" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	395.77	201.60
		For Seal Class B, Add	*50.40*	
		For Seal Class A, Add	*107.51*	
		For Work In Restricted Working Space, Add	*100.79*	
23 31 13 13-0723	LF	42" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	404.38	205.97
		For Seal Class B, Add	*51.49*	
		For Seal Class A, Add	*109.85*	
		For Work In Restricted Working Space, Add	*102.98*	
23 31 13 13-0724	LF	42" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	412.99	210.35
		For Seal Class B, Add	*52.59*	
		For Seal Class A, Add	*112.19*	
		For Work In Restricted Working Space, Add	*105.17*	
23 31 13 13-0725	LF	42" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	421.58	214.74
		For Seal Class B, Add	*53.68*	
		For Seal Class A, Add	*114.52*	
		For Work In Restricted Working Space, Add	*107.37*	
23 31 13 13-0726	LF	44" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	378.58	192.83
		For Seal Class B, Add	*48.21*	
		For Seal Class A, Add	*102.84*	
		For Work In Restricted Working Space, Add	*96.41*	
23 31 13 13-0727	LF	44" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	387.17	197.20
		For Seal Class B, Add	*49.30*	
		For Seal Class A, Add	*105.17*	
		For Work In Restricted Working Space, Add	*98.60*	
23 31 13 13-0728	LF	44" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	395.77	201.60
		For Seal Class B, Add	*50.40*	
		For Seal Class A, Add	*107.51*	
		For Work In Restricted Working Space, Add	*100.79*	
23 31 13 13-0729	LF	44" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	404.38	205.97
		For Seal Class B, Add	*51.49*	
		For Seal Class A, Add	*109.85*	
		For Work In Restricted Working Space, Add	*102.98*	
23 31 13 13-0730	LF	44" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	412.99	210.35
		For Seal Class B, Add	*52.59*	
		For Seal Class A, Add	*112.19*	
		For Work In Restricted Working Space, Add	*105.17*	
23 31 13 13-0731	LF	44" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	421.58	214.74
		For Seal Class B, Add	*53.68*	
		For Seal Class A, Add	*114.52*	
		For Work In Restricted Working Space, Add	*107.37*	
23 31 13 13-0732	LF	44" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	430.20	219.12
		For Seal Class B, Add	*54.78*	
		For Seal Class A, Add	*116.86*	
		For Work In Restricted Working Space, Add	*109.56*	
23 31 13 13-0733	LF	46" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	395.77	201.60
		For Seal Class B, Add	*50.40*	
		For Seal Class A, Add	*107.51*	
		For Work In Restricted Working Space, Add	*100.79*	
23 31 13 13-0734	LF	46" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	404.38	205.97
		For Seal Class B, Add	*51.49*	
		For Seal Class A, Add	*109.85*	
		For Work In Restricted Working Space, Add	*102.98*	
23 31 13 13-0735	LF	46" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	412.99	210.35
		For Seal Class B, Add	*52.59*	
		For Seal Class A, Add	*112.19*	
		For Work In Restricted Working Space, Add	*105.17*	
23 31 13 13-0736	LF	46" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	421.58	214.74
		For Seal Class B, Add	*53.68*	
		For Seal Class A, Add	*114.52*	
		For Work In Restricted Working Space, Add	*107.37*	
23 31 13 13-0737	LF	46" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	430.20	219.12
		For Seal Class B, Add	*54.78*	
		For Seal Class A, Add	*116.86*	
		For Work In Restricted Working Space, Add	*109.56*	
23 31 13 13-0738	LF	46" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	446.11	227.89
		For Seal Class B, Add	*56.97*	
		For Seal Class A, Add	*121.54*	
		For Work In Restricted Working Space, Add	*113.94*	
23 31 13 13-0739	LF	46" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	454.71	232.26
		For Seal Class B, Add	*58.07*	
		For Seal Class A, Add	*123.88*	
		For Work In Restricted Working Space, Add	*116.13*	
23 31 13 13-0740	LF	48" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	412.99	210.35
		For Seal Class B, Add	*52.59*	
		For Seal Class A, Add	*112.19*	
		For Work In Restricted Working Space, Add	*105.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0741	LF	48" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	421.58	214.74
		For Seal Class B, Add	*53.68*	
		For Seal Class A, Add	*114.52*	
		For Work In Restricted Working Space, Add	*107.37*	
23 31 13 13-0742	LF	48" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	430.20	219.12
		For Seal Class B, Add	*54.78*	
		For Seal Class A, Add	*116.86*	
		For Work In Restricted Working Space, Add	*109.56*	
23 31 13 13-0743	LF	48" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	438.81	223.50
		For Seal Class B, Add	*55.88*	
		For Seal Class A, Add	*119.20*	
		For Work In Restricted Working Space, Add	*111.75*	
23 31 13 13-0744	LF	48" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	447.40	227.89
		For Seal Class B, Add	*56.97*	
		For Seal Class A, Add	*121.54*	
		For Work In Restricted Working Space, Add	*113.94*	
23 31 13 13-0745	LF	48" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	456.02	232.26
		For Seal Class B, Add	*58.07*	
		For Seal Class A, Add	*123.88*	
		For Work In Restricted Working Space, Add	*116.13*	
23 31 13 13-0746	LF	48" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	464.59	236.65
		For Seal Class B, Add	*59.16*	
		For Seal Class A, Add	*126.21*	
		For Work In Restricted Working Space, Add	*118.32*	
23 31 13 13-0747	LF	50" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	430.20	219.12
		For Seal Class B, Add	*54.78*	
		For Seal Class A, Add	*116.86*	
		For Work In Restricted Working Space, Add	*109.56*	
23 31 13 13-0748	LF	50" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	438.81	223.50
		For Seal Class B, Add	*55.88*	
		For Seal Class A, Add	*119.20*	
		For Work In Restricted Working Space, Add	*111.75*	
23 31 13 13-0749	LF	50" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	447.40	227.89
		For Seal Class B, Add	*56.97*	
		For Seal Class A, Add	*121.54*	
		For Work In Restricted Working Space, Add	*113.94*	
23 31 13 13-0750	LF	50" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	456.02	232.26
		For Seal Class B, Add	*58.07*	
		For Seal Class A, Add	*123.88*	
		For Work In Restricted Working Space, Add	*116.13*	
23 31 13 13-0751	LF	50" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	464.59	236.65
		For Seal Class B, Add	*59.16*	
		For Seal Class A, Add	*126.21*	
		For Work In Restricted Working Space, Add	*118.32*	
23 31 13 13-0752	LF	50" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	473.21	241.03
		For Seal Class B, Add	*60.26*	
		For Seal Class A, Add	*128.55*	
		For Work In Restricted Working Space, Add	*120.51*	
23 31 13 13-0753	LF	52" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	447.40	227.89
		For Seal Class B, Add	*56.97*	
		For Seal Class A, Add	*121.54*	
		For Work In Restricted Working Space, Add	*113.94*	
23 31 13 13-0754	LF	52" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	456.02	232.26
		For Seal Class B, Add	*58.07*	
		For Seal Class A, Add	*123.88*	
		For Work In Restricted Working Space, Add	*116.13*	
23 31 13 13-0755	LF	52" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	464.59	236.65
		For Seal Class B, Add	*59.16*	
		For Seal Class A, Add	*126.21*	
		For Work In Restricted Working Space, Add	*118.32*	
23 31 13 13-0756	LF	52" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	473.21	241.03
		For Seal Class B, Add	*60.26*	
		For Seal Class A, Add	*128.55*	
		For Work In Restricted Working Space, Add	*120.51*	
23 31 13 13-0757	LF	52" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	481.84	245.42
		For Seal Class B, Add	*61.35*	
		For Seal Class A, Add	*130.89*	
		For Work In Restricted Working Space, Add	*122.71*	
23 31 13 13-0758	LF	54" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	464.59	236.65
		For Seal Class B, Add	*59.16*	
		For Seal Class A, Add	*126.21*	
		For Work In Restricted Working Space, Add	*118.32*	
23 31 13 13-0759	LF	54" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	473.21	241.03
		For Seal Class B, Add	*60.26*	
		For Seal Class A, Add	*128.55*	
		For Work In Restricted Working Space, Add	*120.51*	
23 31 13 13-0760	LF	54" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	481.84	245.42
		For Seal Class B, Add	*61.35*	
		For Seal Class A, Add	*130.89*	
		For Work In Restricted Working Space, Add	*122.71*	
23 31 13 13-0761	LF	54" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	490.41	249.79
		For Seal Class B, Add	*62.45*	
		For Seal Class A, Add	*133.22*	
		For Work In Restricted Working Space, Add	*124.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0762	LF	54" x 62", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	499.03	254.17
		For Seal Class B, Add	*63.54*	
		For Seal Class A, Add	*135.56*	
		For Work In Restricted Working Space, Add	*127.09*	
23 31 13 13-0763	LF	54" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	507.62	258.56
		For Seal Class B, Add	*64.64*	
		For Seal Class A, Add	*137.90*	
		For Work In Restricted Working Space, Add	*129.28*	
23 31 13 13-0764	LF	56" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	481.84	245.42
		For Seal Class B, Add	*61.35*	
		For Seal Class A, Add	*130.89*	
		For Work In Restricted Working Space, Add	*122.71*	
23 31 13 13-0765	LF	56" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	490.41	249.79
		For Seal Class B, Add	*62.45*	
		For Seal Class A, Add	*133.22*	
		For Work In Restricted Working Space, Add	*124.90*	
23 31 13 13-0766	LF	56" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	499.03	254.17
		For Seal Class B, Add	*63.54*	
		For Seal Class A, Add	*135.56*	
		For Work In Restricted Working Space, Add	*127.09*	
23 31 13 13-0767	LF	56" x 62", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	507.62	258.56
		For Seal Class B, Add	*64.64*	
		For Seal Class A, Add	*137.90*	
		For Work In Restricted Working Space, Add	*129.28*	
23 31 13 13-0768	LF	56" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	516.23	262.93
		For Seal Class B, Add	*65.73*	
		For Seal Class A, Add	*140.23*	
		For Work In Restricted Working Space, Add	*131.47*	
23 31 13 13-0769	LF	58" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	499.03	254.17
		For Seal Class B, Add	*63.54*	
		For Seal Class A, Add	*135.56*	
		For Work In Restricted Working Space, Add	*127.09*	
23 31 13 13-0770	LF	58" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	507.62	258.56
		For Seal Class B, Add	*64.64*	
		For Seal Class A, Add	*137.90*	
		For Work In Restricted Working Space, Add	*129.28*	
23 31 13 13-0771	LF	58" x 62", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	516.23	262.93
		For Seal Class B, Add	*65.73*	
		For Seal Class A, Add	*140.23*	
		For Work In Restricted Working Space, Add	*131.47*	
23 31 13 13-0772	LF	58" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	524.84	267.33
		For Seal Class B, Add	*66.83*	
		For Seal Class A, Add	*142.57*	
		For Work In Restricted Working Space, Add	*133.66*	
23 31 13 13-0773	LF	58" x 66", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	533.43	271.70
		For Seal Class B, Add	*67.93*	
		For Seal Class A, Add	*144.91*	
		For Work In Restricted Working Space, Add	*135.85*	
23 31 13 13-0774	LF	60" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	516.23	262.93
		For Seal Class B, Add	*65.73*	
		For Seal Class A, Add	*140.23*	
		For Work In Restricted Working Space, Add	*131.47*	
23 31 13 13-0775	LF	60" x 62", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	524.84	267.33
		For Seal Class B, Add	*66.83*	
		For Seal Class A, Add	*142.57*	
		For Work In Restricted Working Space, Add	*133.66*	
23 31 13 13-0776	LF	60" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	533.43	271.70
		For Seal Class B, Add	*67.93*	
		For Seal Class A, Add	*144.91*	
		For Work In Restricted Working Space, Add	*135.85*	
23 31 13 13-0777	LF	60" x 66", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	542.05	276.08
		For Seal Class B, Add	*69.02*	
		For Seal Class A, Add	*147.25*	
		For Work In Restricted Working Space, Add	*138.05*	
23 31 13 13-0778	LF	60" x 68", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	550.66	280.47
		For Seal Class B, Add	*70.12*	
		For Seal Class A, Add	*149.58*	
		For Work In Restricted Working Space, Add	*140.24*	
23 31 13 13-0779	LF	62" x 62", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	533.43	271.70
		For Seal Class B, Add	*67.93*	
		For Seal Class A, Add	*144.91*	
		For Work In Restricted Working Space, Add	*135.85*	
23 31 13 13-0780	LF	62" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	542.05	276.08
		For Seal Class B, Add	*69.02*	
		For Seal Class A, Add	*147.25*	
		For Work In Restricted Working Space, Add	*138.05*	
23 31 13 13-0781	LF	62" x 66", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	550.66	280.47
		For Seal Class B, Add	*70.12*	
		For Seal Class A, Add	*149.58*	
		For Work In Restricted Working Space, Add	*140.24*	
23 31 13 13-0782	LF	62" x 68", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	559.26	284.85
		For Seal Class B, Add	*71.21*	
		For Seal Class A, Add	*151.92*	
		For Work In Restricted Working Space, Add	*142.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0783	LF	62" x 70", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	567.86	289.23
		For Seal Class B, Add	*72.31*	
		For Seal Class A, Add	*154.26*	
		For Work In Restricted Working Space, Add	*144.62*	
23 31 13 13-0784	LF	64" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	550.66	280.47
		For Seal Class B, Add	*70.12*	
		For Seal Class A, Add	*149.58*	
		For Work In Restricted Working Space, Add	*140.24*	
23 31 13 13-0785	LF	64" x 66", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	559.26	284.85
		For Seal Class B, Add	*71.21*	
		For Seal Class A, Add	*151.92*	
		For Work In Restricted Working Space, Add	*142.43*	
23 31 13 13-0786	LF	64" x 68", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	567.86	289.23
		For Seal Class B, Add	*72.31*	
		For Seal Class A, Add	*154.26*	
		For Work In Restricted Working Space, Add	*144.62*	
23 31 13 13-0787	LF	64" x 70", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	576.45	293.62
		For Seal Class B, Add	*73.40*	
		For Seal Class A, Add	*156.60*	
		For Work In Restricted Working Space, Add	*146.81*	
23 31 13 13-0788	LF	66" x 66", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	567.86	289.23
		For Seal Class B, Add	*72.31*	
		For Seal Class A, Add	*154.26*	
		For Work In Restricted Working Space, Add	*144.62*	
23 31 13 13-0789	LF	66" x 68", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	576.45	293.62
		For Seal Class B, Add	*73.40*	
		For Seal Class A, Add	*156.60*	
		For Work In Restricted Working Space, Add	*146.81*	
23 31 13 13-0790	LF	66" x 70", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	585.06	297.99
		For Seal Class B, Add	*74.50*	
		For Seal Class A, Add	*158.93*	
		For Work In Restricted Working Space, Add	*149.00*	
23 31 13 13-0791	LF	66" x 72", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	593.67	302.38
		For Seal Class B, Add	*75.59*	
		For Seal Class A, Add	*161.27*	
		For Work In Restricted Working Space, Add	*151.19*	
23 31 13 13-0792	LF	68" x 68", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	585.06	297.99
		For Seal Class B, Add	*74.50*	
		For Seal Class A, Add	*158.93*	
		For Work In Restricted Working Space, Add	*149.00*	
23 31 13 13-0793	LF	68" x 70", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	593.67	302.38
		For Seal Class B, Add	*75.59*	
		For Seal Class A, Add	*161.27*	
		For Work In Restricted Working Space, Add	*151.19*	
23 31 13 13-0794	LF	68" x 72", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	602.26	306.76
		For Seal Class B, Add	*76.69*	
		For Seal Class A, Add	*163.61*	
		For Work In Restricted Working Space, Add	*153.38*	
23 31 13 13-0795	LF	68" x 74", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	610.88	311.15
		For Seal Class B, Add	*77.79*	
		For Seal Class A, Add	*165.95*	
		For Work In Restricted Working Space, Add	*155.57*	
23 31 13 13-0796	LF	70" x 70", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	602.26	306.76
		For Seal Class B, Add	*76.69*	
		For Seal Class A, Add	*163.61*	
		For Work In Restricted Working Space, Add	*153.38*	
23 31 13 13-0797	LF	70" x 72", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	610.88	311.15
		For Seal Class B, Add	*77.79*	
		For Seal Class A, Add	*165.95*	
		For Work In Restricted Working Space, Add	*155.57*	
23 31 13 13-0798	LF	70" x 74", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	619.49	315.52
		For Seal Class B, Add	*78.88*	
		For Seal Class A, Add	*168.28*	
		For Work In Restricted Working Space, Add	*157.76*	
23 31 13 13-0799	LF	70" x 76", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	628.08	319.92
		For Seal Class B, Add	*79.98*	
		For Seal Class A, Add	*170.62*	
		For Work In Restricted Working Space, Add	*159.95*	
23 31 13 13-0800	LF	70" x 78", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	636.70	324.29
		For Seal Class B, Add	*81.07*	
		For Seal Class A, Add	*172.96*	
		For Work In Restricted Working Space, Add	*162.15*	
23 31 13 13-0801	LF	70" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	645.27	328.67
		For Seal Class B, Add	*82.17*	
		For Seal Class A, Add	*175.29*	
		For Work In Restricted Working Space, Add	*164.33*	
23 31 13 13-0802	LF	70" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	653.90	333.06
		For Seal Class B, Add	*83.27*	
		For Seal Class A, Add	*177.63*	
		For Work In Restricted Working Space, Add	*166.53*	
23 31 13 13-0803	LF	70" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	662.51	337.44
		For Seal Class B, Add	*84.36*	
		For Seal Class A, Add	*179.97*	
		For Work In Restricted Working Space, Add	*168.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0804	LF	72" x 72", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	619.49	315.52
		For Seal Class B, Add	*78.88*	
		For Seal Class A, Add	*168.28*	
		For Work In Restricted Working Space, Add	*157.76*	
23 31 13 13-0805	LF	72" x 74", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	628.08	319.92
		For Seal Class B, Add	*79.98*	
		For Seal Class A, Add	*170.62*	
		For Work In Restricted Working Space, Add	*159.95*	
23 31 13 13-0806	LF	72" x 76", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	636.70	324.29
		For Seal Class B, Add	*81.07*	
		For Seal Class A, Add	*172.96*	
		For Work In Restricted Working Space, Add	*162.15*	
23 31 13 13-0807	LF	72" x 78", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	645.27	328.67
		For Seal Class B, Add	*82.17*	
		For Seal Class A, Add	*175.29*	
		For Work In Restricted Working Space, Add	*164.33*	
23 31 13 13-0808	LF	72" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	653.90	333.06
		For Seal Class B, Add	*83.27*	
		For Seal Class A, Add	*177.63*	
		For Work In Restricted Working Space, Add	*166.53*	
23 31 13 13-0809	LF	72" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	662.51	337.44
		For Seal Class B, Add	*84.36*	
		For Seal Class A, Add	*179.97*	
		For Work In Restricted Working Space, Add	*168.72*	
23 31 13 13-0810	LF	72" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	671.10	341.81
		For Seal Class B, Add	*85.46*	
		For Seal Class A, Add	*182.31*	
		For Work In Restricted Working Space, Add	*170.91*	
23 31 13 13-0811	LF	74" x 74", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	636.70	324.29
		For Seal Class B, Add	*81.07*	
		For Seal Class A, Add	*172.96*	
		For Work In Restricted Working Space, Add	*162.15*	
23 31 13 13-0812	LF	74" x 76", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	645.27	328.67
		For Seal Class B, Add	*82.17*	
		For Seal Class A, Add	*175.29*	
		For Work In Restricted Working Space, Add	*164.33*	
23 31 13 13-0813	LF	74" x 78", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	653.90	333.06
		For Seal Class B, Add	*83.27*	
		For Seal Class A, Add	*177.63*	
		For Work In Restricted Working Space, Add	*166.53*	
23 31 13 13-0814	LF	74" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	662.51	337.44
		For Seal Class B, Add	*84.36*	
		For Seal Class A, Add	*179.97*	
		For Work In Restricted Working Space, Add	*168.72*	
23 31 13 13-0815	LF	74" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	671.10	341.81
		For Seal Class B, Add	*85.46*	
		For Seal Class A, Add	*182.31*	
		For Work In Restricted Working Space, Add	*170.91*	
23 31 13 13-0816	LF	74" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	679.71	346.21
		For Seal Class B, Add	*86.55*	
		For Seal Class A, Add	*184.64*	
		For Work In Restricted Working Space, Add	*173.10*	
23 31 13 13-0817	LF	76" x 76", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	653.90	333.06
		For Seal Class B, Add	*83.27*	
		For Seal Class A, Add	*177.63*	
		For Work In Restricted Working Space, Add	*166.53*	
23 31 13 13-0818	LF	76" x 78", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	662.51	337.44
		For Seal Class B, Add	*84.36*	
		For Seal Class A, Add	*179.97*	
		For Work In Restricted Working Space, Add	*168.72*	
23 31 13 13-0819	LF	76" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	671.10	341.81
		For Seal Class B, Add	*85.46*	
		For Seal Class A, Add	*182.31*	
		For Work In Restricted Working Space, Add	*170.91*	
23 31 13 13-0820	LF	76" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	679.71	346.21
		For Seal Class B, Add	*86.55*	
		For Seal Class A, Add	*184.64*	
		For Work In Restricted Working Space, Add	*173.10*	
23 31 13 13-0821	LF	76" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	688.30	350.58
		For Seal Class B, Add	*87.65*	
		For Seal Class A, Add	*186.98*	
		For Work In Restricted Working Space, Add	*175.29*	
23 31 13 13-0822	LF	78" x 78", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	671.10	341.81
		For Seal Class B, Add	*85.46*	
		For Seal Class A, Add	*182.31*	
		For Work In Restricted Working Space, Add	*170.91*	
23 31 13 13-0823	LF	78" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	679.71	346.21
		For Seal Class B, Add	*86.55*	
		For Seal Class A, Add	*184.64*	
		For Work In Restricted Working Space, Add	*173.10*	
23 31 13 13-0824	LF	78" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	688.30	350.58
		For Seal Class B, Add	*87.65*	
		For Seal Class A, Add	*186.98*	
		For Work In Restricted Working Space, Add	*175.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0825	LF	78" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	696.91	354.97
		For Seal Class B, Add	*88.74*	
		For Seal Class A, Add	*189.32*	
		For Work In Restricted Working Space, Add	*177.48*	
23 31 13 13-0826	LF	80" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	688.30	350.58
		For Seal Class B, Add	*87.65*	
		For Seal Class A, Add	*186.98*	
		For Work In Restricted Working Space, Add	*175.29*	
23 31 13 13-0827	LF	80" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	696.91	354.97
		For Seal Class B, Add	*88.74*	
		For Seal Class A, Add	*189.32*	
		For Work In Restricted Working Space, Add	*177.48*	
23 31 13 13-0828	LF	80" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	705.52	359.35
		For Seal Class B, Add	*89.84*	
		For Seal Class A, Add	*191.65*	
		For Work In Restricted Working Space, Add	*179.67*	
23 31 13 13-0829	LF	82" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	705.52	359.35
		For Seal Class B, Add	*89.84*	
		For Seal Class A, Add	*191.65*	
		For Work In Restricted Working Space, Add	*179.67*	
23 31 13 13-0830	LF	82" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	714.12	363.74
		For Seal Class B, Add	*90.93*	
		For Seal Class A, Add	*193.99*	
		For Work In Restricted Working Space, Add	*181.87*	
23 31 13 13-0831	LF	84" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	722.73	368.11
		For Seal Class B, Add	*92.03*	
		For Seal Class A, Add	*196.33*	
		For Work In Restricted Working Space, Add	*184.06*	

23 31 13 13-0832 18 Gauge Galvanized Steel Metal Ductwork *(23 31 13 13-0014)*

Note: Seal Class C

23 31 13 13-0833	LF	4" x 4", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	44.81	22.81
		For Seal Class B, Add	*5.71*	
		For Seal Class A, Add	*12.17*	
		For Work In Restricted Working Space, Add	*11.41*	
23 31 13 13-0834	LF	4" x 6", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	56.01	28.53
		For Seal Class B, Add	*7.13*	
		For Seal Class A, Add	*15.22*	
		For Work In Restricted Working Space, Add	*14.27*	
23 31 13 13-0835	LF	4" x 8", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	67.20	34.24
		For Seal Class B, Add	*8.56*	
		For Seal Class A, Add	*18.26*	
		For Work In Restricted Working Space, Add	*17.12*	
23 31 13 13-0836	LF	4" x 10", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	78.41	39.94
		For Seal Class B, Add	*9.99*	
		For Seal Class A, Add	*21.30*	
		For Work In Restricted Working Space, Add	*19.97*	
23 31 13 13-0837	LF	4" x 12", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	89.62	45.65
		For Seal Class B, Add	*11.41*	
		For Seal Class A, Add	*24.34*	
		For Work In Restricted Working Space, Add	*22.82*	
23 31 13 13-0838	LF	4" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	100.82	51.35
		For Seal Class B, Add	*12.84*	
		For Seal Class A, Add	*27.39*	
		For Work In Restricted Working Space, Add	*25.67*	
23 31 13 13-0839	LF	4" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	112.01	57.05
		For Seal Class B, Add	*14.26*	
		For Seal Class A, Add	*30.43*	
		For Work In Restricted Working Space, Add	*28.53*	
23 31 13 13-0840	LF	6" x 6", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	67.20	34.24
		For Seal Class B, Add	*8.56*	
		For Seal Class A, Add	*18.26*	
		For Work In Restricted Working Space, Add	*17.12*	
23 31 13 13-0841	LF	6" x 8", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	78.41	39.94
		For Seal Class B, Add	*9.99*	
		For Seal Class A, Add	*21.30*	
		For Work In Restricted Working Space, Add	*19.97*	
23 31 13 13-0842	LF	6" x 10", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	89.62	45.65
		For Seal Class B, Add	*11.41*	
		For Seal Class A, Add	*24.34*	
		For Work In Restricted Working Space, Add	*22.82*	
23 31 13 13-0843	LF	6" x 12", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	100.82	51.35
		For Seal Class B, Add	*12.84*	
		For Seal Class A, Add	*27.39*	
		For Work In Restricted Working Space, Add	*25.67*	
23 31 13 13-0844	LF	6" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	112.01	57.05
		For Seal Class B, Add	*14.26*	
		For Seal Class A, Add	*30.43*	
		For Work In Restricted Working Space, Add	*28.53*	
23 31 13 13-0845	LF	6" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	123.22	62.76
		For Seal Class B, Add	*15.69*	
		For Seal Class A, Add	*33.48*	
		For Work In Restricted Working Space, Add	*31.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0846	LF	8" x 8", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	89.62	45.65
		For Seal Class B, Add	*11.41*	
		For Seal Class A, Add	*24.34*	
		For Work In Restricted Working Space, Add	*22.82*	
23 31 13 13-0847	LF	8" x 10", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	100.82	51.35
		For Seal Class B, Add	*12.84*	
		For Seal Class A, Add	*27.39*	
		For Work In Restricted Working Space, Add	*25.67*	
23 31 13 13-0848	LF	8" x 12", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	112.01	57.05
		For Seal Class B, Add	*14.26*	
		For Seal Class A, Add	*30.43*	
		For Work In Restricted Working Space, Add	*28.53*	
23 31 13 13-0849	LF	8" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	123.22	62.76
		For Seal Class B, Add	*15.69*	
		For Seal Class A, Add	*33.48*	
		For Work In Restricted Working Space, Add	*31.38*	
23 31 13 13-0850	LF	8" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	134.41	68.46
		For Seal Class B, Add	*17.12*	
		For Seal Class A, Add	*36.52*	
		For Work In Restricted Working Space, Add	*34.23*	
23 31 13 13-0851	LF	8" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	145.63	74.16
		For Seal Class B, Add	*18.54*	
		For Seal Class A, Add	*39.56*	
		For Work In Restricted Working Space, Add	*37.09*	
23 31 13 13-0852	LF	8" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	156.82	79.88
		For Seal Class B, Add	*19.97*	
		For Seal Class A, Add	*42.60*	
		For Work In Restricted Working Space, Add	*39.94*	
23 31 13 13-0853	LF	8" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	168.03	85.58
		For Seal Class B, Add	*21.40*	
		For Seal Class A, Add	*45.64*	
		For Work In Restricted Working Space, Add	*42.79*	
23 31 13 13-0854	LF	8" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	179.21	91.29
		For Seal Class B, Add	*22.82*	
		For Seal Class A, Add	*48.68*	
		For Work In Restricted Working Space, Add	*45.64*	
23 31 13 13-0855	LF	10" x 10", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	112.01	57.05
		For Seal Class B, Add	*14.26*	
		For Seal Class A, Add	*30.43*	
		For Work In Restricted Working Space, Add	*28.53*	
23 31 13 13-0856	LF	10" x 12", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	123.22	62.76
		For Seal Class B, Add	*15.69*	
		For Seal Class A, Add	*33.48*	
		For Work In Restricted Working Space, Add	*31.38*	
23 31 13 13-0857	LF	10" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	134.41	68.46
		For Seal Class B, Add	*17.12*	
		For Seal Class A, Add	*36.52*	
		For Work In Restricted Working Space, Add	*34.23*	
23 31 13 13-0858	LF	10" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	145.63	74.16
		For Seal Class B, Add	*18.54*	
		For Seal Class A, Add	*39.56*	
		For Work In Restricted Working Space, Add	*37.09*	
23 31 13 13-0859	LF	10" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	156.82	79.88
		For Seal Class B, Add	*19.97*	
		For Seal Class A, Add	*42.60*	
		For Work In Restricted Working Space, Add	*39.94*	
23 31 13 13-0860	LF	10" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	168.03	85.58
		For Seal Class B, Add	*21.40*	
		For Seal Class A, Add	*45.64*	
		For Work In Restricted Working Space, Add	*42.79*	
23 31 13 13-0861	LF	10" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	179.21	91.29
		For Seal Class B, Add	*22.82*	
		For Seal Class A, Add	*48.68*	
		For Work In Restricted Working Space, Add	*45.64*	
23 31 13 13-0862	LF	10" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	190.42	97.00
		For Seal Class B, Add	*24.25*	
		For Seal Class A, Add	*51.73*	
		For Work In Restricted Working Space, Add	*48.50*	
23 31 13 13-0863	LF	10" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	201.63	102.70
		For Seal Class B, Add	*25.67*	
		For Seal Class A, Add	*54.77*	
		For Work In Restricted Working Space, Add	*51.35*	
23 31 13 13-0864	LF	10" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	212.84	108.41
		For Seal Class B, Add	*27.10*	
		For Seal Class A, Add	*57.82*	
		For Work In Restricted Working Space, Add	*54.20*	
23 31 13 13-0865	LF	10" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	224.03	114.11
		For Seal Class B, Add	*28.53*	
		For Seal Class A, Add	*60.86*	
		For Work In Restricted Working Space, Add	*57.05*	
23 31 13 13-0866	LF	10" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	235.23	119.81
		For Seal Class B, Add	*29.95*	
		For Seal Class A, Add	*63.90*	
		For Work In Restricted Working Space, Add	*59.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0867	LF	12" x 12", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	134.41	68.46
		For Seal Class B, Add	*17.12*	
		For Seal Class A, Add	*36.52*	
		For Work In Restricted Working Space, Add	*34.23*	
23 31 13 13-0868	LF	12" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	145.63	74.16
		For Seal Class B, Add	*18.54*	
		For Seal Class A, Add	*39.56*	
		For Work In Restricted Working Space, Add	*37.09*	
23 31 13 13-0869	LF	12" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	156.82	79.88
		For Seal Class B, Add	*19.97*	
		For Seal Class A, Add	*42.60*	
		For Work In Restricted Working Space, Add	*39.94*	
23 31 13 13-0870	LF	12" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	168.03	85.58
		For Seal Class B, Add	*21.40*	
		For Seal Class A, Add	*45.64*	
		For Work In Restricted Working Space, Add	*42.79*	
23 31 13 13-0871	LF	12" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	179.21	91.29
		For Seal Class B, Add	*22.82*	
		For Seal Class A, Add	*48.68*	
		For Work In Restricted Working Space, Add	*45.64*	
23 31 13 13-0872	LF	12" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	190.42	97.00
		For Seal Class B, Add	*24.25*	
		For Seal Class A, Add	*51.73*	
		For Work In Restricted Working Space, Add	*48.50*	
23 31 13 13-0873	LF	12" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	201.63	102.70
		For Seal Class B, Add	*25.67*	
		For Seal Class A, Add	*54.77*	
		For Work In Restricted Working Space, Add	*51.35*	
23 31 13 13-0874	LF	12" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	212.84	108.41
		For Seal Class B, Add	*27.10*	
		For Seal Class A, Add	*57.82*	
		For Work In Restricted Working Space, Add	*54.20*	
23 31 13 13-0875	LF	12" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	224.03	114.11
		For Seal Class B, Add	*28.53*	
		For Seal Class A, Add	*60.86*	
		For Work In Restricted Working Space, Add	*57.05*	
23 31 13 13-0876	LF	12" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	235.23	119.81
		For Seal Class B, Add	*29.95*	
		For Seal Class A, Add	*63.90*	
		For Work In Restricted Working Space, Add	*59.91*	
23 31 13 13-0877	LF	12" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	246.41	125.52
		For Seal Class B, Add	*31.38*	
		For Seal Class A, Add	*66.94*	
		For Work In Restricted Working Space, Add	*62.76*	
23 31 13 13-0878	LF	12" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	257.65	131.23
		For Seal Class B, Add	*32.81*	
		For Seal Class A, Add	*69.99*	
		For Work In Restricted Working Space, Add	*65.61*	
23 31 13 13-0879	LF	12" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	268.85	136.93
		For Seal Class B, Add	*34.23*	
		For Seal Class A, Add	*73.03*	
		For Work In Restricted Working Space, Add	*68.47*	
23 31 13 13-0880	LF	14" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	156.82	79.88
		For Seal Class B, Add	*19.97*	
		For Seal Class A, Add	*42.60*	
		For Work In Restricted Working Space, Add	*39.94*	
23 31 13 13-0881	LF	14" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	168.03	85.58
		For Seal Class B, Add	*21.40*	
		For Seal Class A, Add	*45.64*	
		For Work In Restricted Working Space, Add	*42.79*	
23 31 13 13-0882	LF	14" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	179.21	91.29
		For Seal Class B, Add	*22.82*	
		For Seal Class A, Add	*48.68*	
		For Work In Restricted Working Space, Add	*45.64*	
23 31 13 13-0883	LF	14" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	190.42	97.00
		For Seal Class B, Add	*24.25*	
		For Seal Class A, Add	*51.73*	
		For Work In Restricted Working Space, Add	*48.50*	
23 31 13 13-0884	LF	14" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	201.63	102.70
		For Seal Class B, Add	*25.67*	
		For Seal Class A, Add	*54.77*	
		For Work In Restricted Working Space, Add	*51.35*	
23 31 13 13-0885	LF	14" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	212.84	108.41
		For Seal Class B, Add	*27.10*	
		For Seal Class A, Add	*57.82*	
		For Work In Restricted Working Space, Add	*54.20*	
23 31 13 13-0886	LF	14" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	224.03	114.11
		For Seal Class B, Add	*28.53*	
		For Seal Class A, Add	*60.86*	
		For Work In Restricted Working Space, Add	*57.05*	
23 31 13 13-0887	LF	14" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	235.23	119.81
		For Seal Class B, Add	*29.95*	
		For Seal Class A, Add	*63.90*	
		For Work In Restricted Working Space, Add	*59.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0888	LF	14" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	246.41	125.52
		For Seal Class B, Add	*31.38*	
		For Seal Class A, Add	*66.94*	
		For Work In Restricted Working Space, Add	*62.76*	
23 31 13 13-0889	LF	14" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	257.65	131.23
		For Seal Class B, Add	*32.81*	
		For Seal Class A, Add	*69.99*	
		For Work In Restricted Working Space, Add	*65.61*	
23 31 13 13-0890	LF	14" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	268.85	136.93
		For Seal Class B, Add	*34.23*	
		For Seal Class A, Add	*73.03*	
		For Work In Restricted Working Space, Add	*68.47*	
23 31 13 13-0891	LF	14" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	280.04	142.64
		For Seal Class B, Add	*35.66*	
		For Seal Class A, Add	*76.07*	
		For Work In Restricted Working Space, Add	*71.32*	
23 31 13 13-0892	LF	16" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	179.21	91.29
		For Seal Class B, Add	*22.82*	
		For Seal Class A, Add	*48.68*	
		For Work In Restricted Working Space, Add	*45.64*	
23 31 13 13-0893	LF	16" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	190.42	97.00
		For Seal Class B, Add	*24.25*	
		For Seal Class A, Add	*51.73*	
		For Work In Restricted Working Space, Add	*48.50*	
23 31 13 13-0894	LF	16" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	201.63	102.70
		For Seal Class B, Add	*25.67*	
		For Seal Class A, Add	*54.77*	
		For Work In Restricted Working Space, Add	*51.35*	
23 31 13 13-0895	LF	16" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	212.84	108.41
		For Seal Class B, Add	*27.10*	
		For Seal Class A, Add	*57.82*	
		For Work In Restricted Working Space, Add	*54.20*	
23 31 13 13-0896	LF	16" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	224.03	114.11
		For Seal Class B, Add	*28.53*	
		For Seal Class A, Add	*60.86*	
		For Work In Restricted Working Space, Add	*57.05*	
23 31 13 13-0897	LF	16" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	235.23	119.81
		For Seal Class B, Add	*29.95*	
		For Seal Class A, Add	*63.90*	
		For Work In Restricted Working Space, Add	*59.91*	
23 31 13 13-0898	LF	16" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	246.41	125.52
		For Seal Class B, Add	*31.38*	
		For Seal Class A, Add	*66.94*	
		For Work In Restricted Working Space, Add	*62.76*	
23 31 13 13-0899	LF	16" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	257.65	131.23
		For Seal Class B, Add	*32.81*	
		For Seal Class A, Add	*69.99*	
		For Work In Restricted Working Space, Add	*65.61*	
23 31 13 13-0900	LF	16" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	268.85	136.93
		For Seal Class B, Add	*34.23*	
		For Seal Class A, Add	*73.03*	
		For Work In Restricted Working Space, Add	*68.47*	
23 31 13 13-0901	LF	16" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	280.04	142.64
		For Seal Class B, Add	*35.66*	
		For Seal Class A, Add	*76.07*	
		For Work In Restricted Working Space, Add	*71.32*	
23 31 13 13-0902	LF	16" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	291.24	148.34
		For Seal Class B, Add	*37.09*	
		For Seal Class A, Add	*79.12*	
		For Work In Restricted Working Space, Add	*74.17*	
23 31 13 13-0903	LF	16" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	302.44	154.04
		For Seal Class B, Add	*38.51*	
		For Seal Class A, Add	*82.16*	
		For Work In Restricted Working Space, Add	*77.03*	
23 31 13 13-0904	LF	16" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	313.66	159.76
		For Seal Class B, Add	*39.94*	
		For Seal Class A, Add	*85.20*	
		For Work In Restricted Working Space, Add	*79.88*	
23 31 13 13-0905	LF	16" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	324.85	165.46
		For Seal Class B, Add	*41.36*	
		For Seal Class A, Add	*88.24*	
		For Work In Restricted Working Space, Add	*82.73*	
23 31 13 13-0906	LF	16" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	336.05	171.16
		For Seal Class B, Add	*42.79*	
		For Seal Class A, Add	*91.29*	
		For Work In Restricted Working Space, Add	*85.58*	
23 31 13 13-0907	LF	18" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	201.63	102.70
		For Seal Class B, Add	*25.67*	
		For Seal Class A, Add	*54.77*	
		For Work In Restricted Working Space, Add	*51.35*	
23 31 13 13-0908	LF	18" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	212.84	108.41
		For Seal Class B, Add	*27.10*	
		For Seal Class A, Add	*57.82*	
		For Work In Restricted Working Space, Add	*54.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0909	LF	18" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	224.03	114.11
		For Seal Class B, Add	*28.53*	
		For Seal Class A, Add	*60.86*	
		For Work In Restricted Working Space, Add	*57.05*	
23 31 13 13-0910	LF	18" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	235.23	119.81
		For Seal Class B, Add	*29.95*	
		For Seal Class A, Add	*63.90*	
		For Work In Restricted Working Space, Add	*59.91*	
23 31 13 13-0911	LF	18" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	246.41	125.52
		For Seal Class B, Add	*31.38*	
		For Seal Class A, Add	*66.94*	
		For Work In Restricted Working Space, Add	*62.76*	
23 31 13 13-0912	LF	18" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	257.65	131.23
		For Seal Class B, Add	*32.81*	
		For Seal Class A, Add	*69.99*	
		For Work In Restricted Working Space, Add	*65.61*	
23 31 13 13-0913	LF	18" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	268.85	136.93
		For Seal Class B, Add	*34.23*	
		For Seal Class A, Add	*73.03*	
		For Work In Restricted Working Space, Add	*68.47*	
23 31 13 13-0914	LF	18" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	280.04	142.64
		For Seal Class B, Add	*35.66*	
		For Seal Class A, Add	*76.07*	
		For Work In Restricted Working Space, Add	*71.32*	
23 31 13 13-0915	LF	18" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	291.24	148.34
		For Seal Class B, Add	*37.09*	
		For Seal Class A, Add	*79.12*	
		For Work In Restricted Working Space, Add	*74.17*	
23 31 13 13-0916	LF	18" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	302.44	154.04
		For Seal Class B, Add	*38.51*	
		For Seal Class A, Add	*82.16*	
		For Work In Restricted Working Space, Add	*77.03*	
23 31 13 13-0917	LF	18" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	313.66	159.76
		For Seal Class B, Add	*39.94*	
		For Seal Class A, Add	*85.20*	
		For Work In Restricted Working Space, Add	*79.88*	
23 31 13 13-0918	LF	18" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	324.85	165.46
		For Seal Class B, Add	*41.36*	
		For Seal Class A, Add	*88.24*	
		For Work In Restricted Working Space, Add	*82.73*	
23 31 13 13-0919	LF	18" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	336.05	171.16
		For Seal Class B, Add	*42.79*	
		For Seal Class A, Add	*91.29*	
		For Work In Restricted Working Space, Add	*85.58*	
23 31 13 13-0920	LF	18" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	347.25	176.88
		For Seal Class B, Add	*44.22*	
		For Seal Class A, Add	*94.33*	
		For Work In Restricted Working Space, Add	*88.44*	
23 31 13 13-0921	LF	18" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	358.47	182.58
		For Seal Class B, Add	*45.65*	
		For Seal Class A, Add	*97.38*	
		For Work In Restricted Working Space, Add	*91.29*	
23 31 13 13-0922	LF	20" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	224.03	114.11
		For Seal Class B, Add	*28.53*	
		For Seal Class A, Add	*60.86*	
		For Work In Restricted Working Space, Add	*57.05*	
23 31 13 13-0923	LF	20" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	235.23	119.81
		For Seal Class B, Add	*29.95*	
		For Seal Class A, Add	*63.90*	
		For Work In Restricted Working Space, Add	*59.91*	
23 31 13 13-0924	LF	20" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	246.41	125.52
		For Seal Class B, Add	*31.38*	
		For Seal Class A, Add	*66.94*	
		For Work In Restricted Working Space, Add	*62.76*	
23 31 13 13-0925	LF	20" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	257.65	131.23
		For Seal Class B, Add	*32.81*	
		For Seal Class A, Add	*69.99*	
		For Work In Restricted Working Space, Add	*65.61*	
23 31 13 13-0926	LF	20" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	268.85	136.93
		For Seal Class B, Add	*34.23*	
		For Seal Class A, Add	*73.03*	
		For Work In Restricted Working Space, Add	*68.47*	
23 31 13 13-0927	LF	20" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	280.04	142.64
		For Seal Class B, Add	*35.66*	
		For Seal Class A, Add	*76.07*	
		For Work In Restricted Working Space, Add	*71.32*	
23 31 13 13-0928	LF	20" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	291.24	148.34
		For Seal Class B, Add	*37.09*	
		For Seal Class A, Add	*79.12*	
		For Work In Restricted Working Space, Add	*74.17*	
23 31 13 13-0929	LF	20" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	302.44	154.04
		For Seal Class B, Add	*38.51*	
		For Seal Class A, Add	*82.16*	
		For Work In Restricted Working Space, Add	*77.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0930	LF	20" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	313.66	159.76
		For Seal Class B, Add	*39.94*	
		For Seal Class A, Add	*85.20*	
		For Work In Restricted Working Space, Add	*79.88*	
23 31 13 13-0931	LF	20" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	324.85	165.46
		For Seal Class B, Add	*41.36*	
		For Seal Class A, Add	*88.24*	
		For Work In Restricted Working Space, Add	*82.73*	
23 31 13 13-0932	LF	20" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	336.05	171.16
		For Seal Class B, Add	*42.79*	
		For Seal Class A, Add	*91.29*	
		For Work In Restricted Working Space, Add	*85.58*	
23 31 13 13-0933	LF	20" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	347.25	176.88
		For Seal Class B, Add	*44.22*	
		For Seal Class A, Add	*94.33*	
		For Work In Restricted Working Space, Add	*88.44*	
23 31 13 13-0934	LF	20" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	358.47	182.58
		For Seal Class B, Add	*45.65*	
		For Seal Class A, Add	*97.38*	
		For Work In Restricted Working Space, Add	*91.29*	
23 31 13 13-0935	LF	20" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	369.66	188.28
		For Seal Class B, Add	*47.07*	
		For Seal Class A, Add	*100.42*	
		For Work In Restricted Working Space, Add	*94.14*	
23 31 13 13-0936	LF	20" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	380.86	193.99
		For Seal Class B, Add	*48.50*	
		For Seal Class A, Add	*103.46*	
		For Work In Restricted Working Space, Add	*96.99*	
23 31 13 13-0937	LF	22" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	246.41	125.52
		For Seal Class B, Add	*31.38*	
		For Seal Class A, Add	*66.94*	
		For Work In Restricted Working Space, Add	*62.76*	
23 31 13 13-0938	LF	22" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	257.65	131.23
		For Seal Class B, Add	*32.81*	
		For Seal Class A, Add	*69.99*	
		For Work In Restricted Working Space, Add	*65.61*	
23 31 13 13-0939	LF	22" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	268.85	136.93
		For Seal Class B, Add	*34.23*	
		For Seal Class A, Add	*73.03*	
		For Work In Restricted Working Space, Add	*68.47*	
23 31 13 13-0940	LF	22" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	280.04	142.64
		For Seal Class B, Add	*35.66*	
		For Seal Class A, Add	*76.07*	
		For Work In Restricted Working Space, Add	*71.32*	
23 31 13 13-0941	LF	22" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	291.24	148.34
		For Seal Class B, Add	*37.09*	
		For Seal Class A, Add	*79.12*	
		For Work In Restricted Working Space, Add	*74.17*	
23 31 13 13-0942	LF	22" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	302.44	154.04
		For Seal Class B, Add	*38.51*	
		For Seal Class A, Add	*82.16*	
		For Work In Restricted Working Space, Add	*77.03*	
23 31 13 13-0943	LF	22" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	313.66	159.76
		For Seal Class B, Add	*39.94*	
		For Seal Class A, Add	*85.20*	
		For Work In Restricted Working Space, Add	*79.88*	
23 31 13 13-0944	LF	22" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	324.85	165.46
		For Seal Class B, Add	*41.36*	
		For Seal Class A, Add	*88.24*	
		For Work In Restricted Working Space, Add	*82.73*	
23 31 13 13-0945	LF	22" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	336.05	171.16
		For Seal Class B, Add	*42.79*	
		For Seal Class A, Add	*91.29*	
		For Work In Restricted Working Space, Add	*85.58*	
23 31 13 13-0946	LF	22" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	347.25	176.88
		For Seal Class B, Add	*44.22*	
		For Seal Class A, Add	*94.33*	
		For Work In Restricted Working Space, Add	*88.44*	
23 31 13 13-0947	LF	22" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	358.47	182.58
		For Seal Class B, Add	*45.65*	
		For Seal Class A, Add	*97.38*	
		For Work In Restricted Working Space, Add	*91.29*	
23 31 13 13-0948	LF	22" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	369.66	188.28
		For Seal Class B, Add	*47.07*	
		For Seal Class A, Add	*100.42*	
		For Work In Restricted Working Space, Add	*94.14*	
23 31 13 13-0949	LF	22" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	380.86	193.99
		For Seal Class B, Add	*48.50*	
		For Seal Class A, Add	*103.46*	
		For Work In Restricted Working Space, Add	*96.99*	
23 31 13 13-0950	LF	22" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	392.06	199.69
		For Seal Class B, Add	*49.92*	
		For Seal Class A, Add	*106.50*	
		For Work In Restricted Working Space, Add	*99.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0951	LF	24" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	268.85	136.93
		For Seal Class B, Add	*34.23*	
		For Seal Class A, Add	*73.03*	
		For Work In Restricted Working Space, Add	*68.47*	
23 31 13 13-0952	LF	24" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	280.04	142.64
		For Seal Class B, Add	*35.66*	
		For Seal Class A, Add	*76.07*	
		For Work In Restricted Working Space, Add	*71.32*	
23 31 13 13-0953	LF	24" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	291.24	148.34
		For Seal Class B, Add	*37.09*	
		For Seal Class A, Add	*79.12*	
		For Work In Restricted Working Space, Add	*74.17*	
23 31 13 13-0954	LF	24" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	302.44	154.04
		For Seal Class B, Add	*38.51*	
		For Seal Class A, Add	*82.16*	
		For Work In Restricted Working Space, Add	*77.03*	
23 31 13 13-0955	LF	24" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	313.66	159.76
		For Seal Class B, Add	*39.94*	
		For Seal Class A, Add	*85.20*	
		For Work In Restricted Working Space, Add	*79.88*	
23 31 13 13-0956	LF	24" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	324.85	165.46
		For Seal Class B, Add	*41.36*	
		For Seal Class A, Add	*88.24*	
		For Work In Restricted Working Space, Add	*82.73*	
23 31 13 13-0957	LF	24" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	336.05	171.16
		For Seal Class B, Add	*42.79*	
		For Seal Class A, Add	*91.29*	
		For Work In Restricted Working Space, Add	*85.58*	
23 31 13 13-0958	LF	24" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	347.25	176.88
		For Seal Class B, Add	*44.22*	
		For Seal Class A, Add	*94.33*	
		For Work In Restricted Working Space, Add	*88.44*	
23 31 13 13-0959	LF	24" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	358.47	182.58
		For Seal Class B, Add	*45.65*	
		For Seal Class A, Add	*97.38*	
		For Work In Restricted Working Space, Add	*91.29*	
23 31 13 13-0960	LF	24" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	369.66	188.28
		For Seal Class B, Add	*47.07*	
		For Seal Class A, Add	*100.42*	
		For Work In Restricted Working Space, Add	*94.14*	
23 31 13 13-0961	LF	24" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	380.86	193.99
		For Seal Class B, Add	*48.50*	
		For Seal Class A, Add	*103.46*	
		For Work In Restricted Working Space, Add	*96.99*	
23 31 13 13-0962	LF	24" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	392.06	199.69
		For Seal Class B, Add	*49.92*	
		For Seal Class A, Add	*106.50*	
		For Work In Restricted Working Space, Add	*99.85*	
23 31 13 13-0963	LF	24" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	403.25	205.39
		For Seal Class B, Add	*51.35*	
		For Seal Class A, Add	*109.55*	
		For Work In Restricted Working Space, Add	*102.70*	
23 31 13 13-0964	LF	26" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	291.24	148.34
		For Seal Class B, Add	*37.09*	
		For Seal Class A, Add	*79.12*	
		For Work In Restricted Working Space, Add	*74.17*	
23 31 13 13-0965	LF	26" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	302.44	154.04
		For Seal Class B, Add	*38.51*	
		For Seal Class A, Add	*82.16*	
		For Work In Restricted Working Space, Add	*77.03*	
23 31 13 13-0966	LF	26" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	313.66	159.76
		For Seal Class B, Add	*39.94*	
		For Seal Class A, Add	*85.20*	
		For Work In Restricted Working Space, Add	*79.88*	
23 31 13 13-0967	LF	26" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	324.85	165.46
		For Seal Class B, Add	*41.36*	
		For Seal Class A, Add	*88.24*	
		For Work In Restricted Working Space, Add	*82.73*	
23 31 13 13-0968	LF	26" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	336.05	171.16
		For Seal Class B, Add	*42.79*	
		For Seal Class A, Add	*91.29*	
		For Work In Restricted Working Space, Add	*85.58*	
23 31 13 13-0969	LF	26" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	347.25	176.88
		For Seal Class B, Add	*44.22*	
		For Seal Class A, Add	*94.33*	
		For Work In Restricted Working Space, Add	*88.44*	
23 31 13 13-0970	LF	26" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	358.47	182.58
		For Seal Class B, Add	*45.65*	
		For Seal Class A, Add	*97.38*	
		For Work In Restricted Working Space, Add	*91.29*	
23 31 13 13-0971	LF	26" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	369.66	188.28
		For Seal Class B, Add	*47.07*	
		For Seal Class A, Add	*100.42*	
		For Work In Restricted Working Space, Add	*94.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0972	LF	26" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	380.86	193.99
		For Seal Class B, Add	*48.50*	
		For Seal Class A, Add	*103.46*	
		For Work In Restricted Working Space, Add	*96.99*	
23 31 13 13-0973	LF	26" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	392.06	199.69
		For Seal Class B, Add	*49.92*	
		For Seal Class A, Add	*106.50*	
		For Work In Restricted Working Space, Add	*99.85*	
23 31 13 13-0974	LF	26" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	403.25	205.39
		For Seal Class B, Add	*51.35*	
		For Seal Class A, Add	*109.55*	
		For Work In Restricted Working Space, Add	*102.70*	
23 31 13 13-0975	LF	26" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	414.48	211.10
		For Seal Class B, Add	*52.78*	
		For Seal Class A, Add	*112.59*	
		For Work In Restricted Working Space, Add	*105.55*	
23 31 13 13-0976	LF	28" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	313.66	159.76
		For Seal Class B, Add	*39.94*	
		For Seal Class A, Add	*85.20*	
		For Work In Restricted Working Space, Add	*79.88*	
23 31 13 13-0977	LF	28" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	324.85	165.46
		For Seal Class B, Add	*41.36*	
		For Seal Class A, Add	*88.24*	
		For Work In Restricted Working Space, Add	*82.73*	
23 31 13 13-0978	LF	28" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	336.05	171.16
		For Seal Class B, Add	*42.79*	
		For Seal Class A, Add	*91.29*	
		For Work In Restricted Working Space, Add	*85.58*	
23 31 13 13-0979	LF	28" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	347.25	176.88
		For Seal Class B, Add	*44.22*	
		For Seal Class A, Add	*94.33*	
		For Work In Restricted Working Space, Add	*88.44*	
23 31 13 13-0980	LF	28" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	358.47	182.58
		For Seal Class B, Add	*45.65*	
		For Seal Class A, Add	*97.38*	
		For Work In Restricted Working Space, Add	*91.29*	
23 31 13 13-0981	LF	28" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	369.66	188.28
		For Seal Class B, Add	*47.07*	
		For Seal Class A, Add	*100.42*	
		For Work In Restricted Working Space, Add	*94.14*	
23 31 13 13-0982	LF	28" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	380.86	193.99
		For Seal Class B, Add	*48.50*	
		For Seal Class A, Add	*103.46*	
		For Work In Restricted Working Space, Add	*96.99*	
23 31 13 13-0983	LF	28" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	392.06	199.69
		For Seal Class B, Add	*49.92*	
		For Seal Class A, Add	*106.50*	
		For Work In Restricted Working Space, Add	*99.85*	
23 31 13 13-0984	LF	28" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	403.25	205.39
		For Seal Class B, Add	*51.35*	
		For Seal Class A, Add	*109.55*	
		For Work In Restricted Working Space, Add	*102.70*	
23 31 13 13-0985	LF	28" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	414.48	211.10
		For Seal Class B, Add	*52.78*	
		For Seal Class A, Add	*112.59*	
		For Work In Restricted Working Space, Add	*105.55*	
23 31 13 13-0986	LF	28" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	425.67	216.80
		For Seal Class B, Add	*54.20*	
		For Seal Class A, Add	*115.63*	
		For Work In Restricted Working Space, Add	*108.41*	
23 31 13 13-0987	LF	30" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	336.05	171.16
		For Seal Class B, Add	*42.79*	
		For Seal Class A, Add	*91.29*	
		For Work In Restricted Working Space, Add	*85.58*	
23 31 13 13-0988	LF	30" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	347.25	176.88
		For Seal Class B, Add	*44.22*	
		For Seal Class A, Add	*94.33*	
		For Work In Restricted Working Space, Add	*88.44*	
23 31 13 13-0989	LF	30" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	358.47	182.58
		For Seal Class B, Add	*45.65*	
		For Seal Class A, Add	*97.38*	
		For Work In Restricted Working Space, Add	*91.29*	
23 31 13 13-0990	LF	30" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	369.66	188.28
		For Seal Class B, Add	*47.07*	
		For Seal Class A, Add	*100.42*	
		For Work In Restricted Working Space, Add	*94.14*	
23 31 13 13-0991	LF	30" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	380.86	193.99
		For Seal Class B, Add	*48.50*	
		For Seal Class A, Add	*103.46*	
		For Work In Restricted Working Space, Add	*96.99*	
23 31 13 13-0992	LF	30" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	392.06	199.69
		For Seal Class B, Add	*49.92*	
		For Seal Class A, Add	*106.50*	
		For Work In Restricted Working Space, Add	*99.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0993	LF	30" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	403.25	205.39
		For Seal Class B, Add	*51.35*	
		For Seal Class A, Add	*109.55*	
		For Work In Restricted Working Space, Add	*102.70*	
23 31 13 13-0994	LF	30" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	414.48	211.10
		For Seal Class B, Add	*52.78*	
		For Seal Class A, Add	*112.59*	
		For Work In Restricted Working Space, Add	*105.55*	
23 31 13 13-0995	LF	30" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	425.67	216.80
		For Seal Class B, Add	*54.20*	
		For Seal Class A, Add	*115.63*	
		For Work In Restricted Working Space, Add	*108.41*	
23 31 13 13-0996	LF	30" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	436.86	222.52
		For Seal Class B, Add	*55.63*	
		For Seal Class A, Add	*118.67*	
		For Work In Restricted Working Space, Add	*111.26*	
23 31 13 13-0997	LF	32" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	358.47	182.58
		For Seal Class B, Add	*45.65*	
		For Seal Class A, Add	*97.38*	
		For Work In Restricted Working Space, Add	*91.29*	
23 31 13 13-0998	LF	32" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	369.66	188.28
		For Seal Class B, Add	*47.07*	
		For Seal Class A, Add	*100.42*	
		For Work In Restricted Working Space, Add	*94.14*	
23 31 13 13-0999	LF	32" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	380.86	193.99
		For Seal Class B, Add	*48.50*	
		For Seal Class A, Add	*103.46*	
		For Work In Restricted Working Space, Add	*96.99*	
23 31 13 13-1000	LF	32" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	392.06	199.69
		For Seal Class B, Add	*49.92*	
		For Seal Class A, Add	*106.50*	
		For Work In Restricted Working Space, Add	*99.85*	
23 31 13 13-1001	LF	32" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	403.25	205.39
		For Seal Class B, Add	*51.35*	
		For Seal Class A, Add	*109.55*	
		For Work In Restricted Working Space, Add	*102.70*	
23 31 13 13-1002	LF	32" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	414.48	211.10
		For Seal Class B, Add	*52.78*	
		For Seal Class A, Add	*112.59*	
		For Work In Restricted Working Space, Add	*105.55*	
23 31 13 13-1003	LF	32" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	425.67	216.80
		For Seal Class B, Add	*54.20*	
		For Seal Class A, Add	*115.63*	
		For Work In Restricted Working Space, Add	*108.41*	
23 31 13 13-1004	LF	32" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	436.86	222.52
		For Seal Class B, Add	*55.63*	
		For Seal Class A, Add	*118.67*	
		For Work In Restricted Working Space, Add	*111.26*	
23 31 13 13-1005	LF	32" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	448.07	228.23
		For Seal Class B, Add	*57.06*	
		For Seal Class A, Add	*121.72*	
		For Work In Restricted Working Space, Add	*114.11*	
23 31 13 13-1006	LF	34" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	380.86	193.99
		For Seal Class B, Add	*48.50*	
		For Seal Class A, Add	*103.46*	
		For Work In Restricted Working Space, Add	*96.99*	
23 31 13 13-1007	LF	34" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	392.06	199.69
		For Seal Class B, Add	*49.92*	
		For Seal Class A, Add	*106.50*	
		For Work In Restricted Working Space, Add	*99.85*	
23 31 13 13-1008	LF	34" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	403.25	205.39
		For Seal Class B, Add	*51.35*	
		For Seal Class A, Add	*109.55*	
		For Work In Restricted Working Space, Add	*102.70*	
23 31 13 13-1009	LF	34" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	414.48	211.10
		For Seal Class B, Add	*52.78*	
		For Seal Class A, Add	*112.59*	
		For Work In Restricted Working Space, Add	*105.55*	
23 31 13 13-1010	LF	34" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	425.67	216.80
		For Seal Class B, Add	*54.20*	
		For Seal Class A, Add	*115.63*	
		For Work In Restricted Working Space, Add	*108.41*	
23 31 13 13-1011	LF	34" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	436.86	222.52
		For Seal Class B, Add	*55.63*	
		For Seal Class A, Add	*118.67*	
		For Work In Restricted Working Space, Add	*111.26*	
23 31 13 13-1012	LF	34" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	448.07	228.23
		For Seal Class B, Add	*57.06*	
		For Seal Class A, Add	*121.72*	
		For Work In Restricted Working Space, Add	*114.11*	
23 31 13 13-1013	LF	34" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	459.25	233.93
		For Seal Class B, Add	*58.48*	
		For Seal Class A, Add	*124.76*	
		For Work In Restricted Working Space, Add	*116.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1014	LF	36" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	403.25	205.39
		For Seal Class B, Add	*51.35*	
		For Seal Class A, Add	*109.55*	
		For Work In Restricted Working Space, Add	*102.70*	
23 31 13 13-1015	LF	36" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	414.48	211.10
		For Seal Class B, Add	*52.78*	
		For Seal Class A, Add	*112.59*	
		For Work In Restricted Working Space, Add	*105.55*	
23 31 13 13-1016	LF	36" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	425.67	216.80
		For Seal Class B, Add	*54.20*	
		For Seal Class A, Add	*115.63*	
		For Work In Restricted Working Space, Add	*108.41*	
23 31 13 13-1017	LF	36" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	436.86	222.52
		For Seal Class B, Add	*55.63*	
		For Seal Class A, Add	*118.67*	
		For Work In Restricted Working Space, Add	*111.26*	
23 31 13 13-1018	LF	36" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	448.07	228.23
		For Seal Class B, Add	*57.06*	
		For Seal Class A, Add	*121.72*	
		For Work In Restricted Working Space, Add	*114.11*	
23 31 13 13-1019	LF	36" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	459.25	233.93
		For Seal Class B, Add	*58.48*	
		For Seal Class A, Add	*124.76*	
		For Work In Restricted Working Space, Add	*116.96*	
23 31 13 13-1020	LF	36" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	470.48	239.64
		For Seal Class B, Add	*59.91*	
		For Seal Class A, Add	*127.80*	
		For Work In Restricted Working Space, Add	*119.81*	
23 31 13 13-1021	LF	38" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	425.67	216.80
		For Seal Class B, Add	*54.20*	
		For Seal Class A, Add	*115.63*	
		For Work In Restricted Working Space, Add	*108.41*	
23 31 13 13-1022	LF	38" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	436.86	222.52
		For Seal Class B, Add	*55.63*	
		For Seal Class A, Add	*118.67*	
		For Work In Restricted Working Space, Add	*111.26*	
23 31 13 13-1023	LF	38" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	448.07	228.23
		For Seal Class B, Add	*57.06*	
		For Seal Class A, Add	*121.72*	
		For Work In Restricted Working Space, Add	*114.11*	
23 31 13 13-1024	LF	38" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	459.25	233.93
		For Seal Class B, Add	*58.48*	
		For Seal Class A, Add	*124.76*	
		For Work In Restricted Working Space, Add	*116.96*	
23 31 13 13-1025	LF	38" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	470.48	239.64
		For Seal Class B, Add	*59.91*	
		For Seal Class A, Add	*127.80*	
		For Work In Restricted Working Space, Add	*119.81*	
23 31 13 13-1026	LF	38" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	481.67	245.34
		For Seal Class B, Add	*61.33*	
		For Seal Class A, Add	*130.84*	
		For Work In Restricted Working Space, Add	*122.67*	
23 31 13 13-1027	LF	38" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	492.88	251.04
		For Seal Class B, Add	*62.76*	
		For Seal Class A, Add	*133.89*	
		For Work In Restricted Working Space, Add	*125.52*	
23 31 13 13-1028	LF	40" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	448.07	228.23
		For Seal Class B, Add	*57.06*	
		For Seal Class A, Add	*121.72*	
		For Work In Restricted Working Space, Add	*114.11*	
23 31 13 13-1029	LF	40" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	459.25	233.93
		For Seal Class B, Add	*58.48*	
		For Seal Class A, Add	*124.76*	
		For Work In Restricted Working Space, Add	*116.96*	
23 31 13 13-1030	LF	40" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	470.48	239.64
		For Seal Class B, Add	*59.91*	
		For Seal Class A, Add	*127.80*	
		For Work In Restricted Working Space, Add	*119.81*	
23 31 13 13-1031	LF	40" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	481.67	245.34
		For Seal Class B, Add	*61.33*	
		For Seal Class A, Add	*130.84*	
		For Work In Restricted Working Space, Add	*122.67*	
23 31 13 13-1032	LF	40" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	492.88	251.04
		For Seal Class B, Add	*62.76*	
		For Seal Class A, Add	*133.89*	
		For Work In Restricted Working Space, Add	*125.52*	
23 31 13 13-1033	LF	40" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	504.07	256.75
		For Seal Class B, Add	*64.19*	
		For Seal Class A, Add	*136.93*	
		For Work In Restricted Working Space, Add	*128.37*	
23 31 13 13-1034	LF	40" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	515.27	262.45
		For Seal Class B, Add	*65.61*	
		For Seal Class A, Add	*139.97*	
		For Work In Restricted Working Space, Add	*131.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1035	LF	40" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	526.48	268.15
		For Seal Class B, Add	*67.04*	
		For Seal Class A, Add	*143.01*	
		For Work In Restricted Working Space, Add	*134.08*	
23 31 13 13-1036	LF	40" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	537.69	273.86
		For Seal Class B, Add	*68.47*	
		For Seal Class A, Add	*146.06*	
		For Work In Restricted Working Space, Add	*136.93*	
23 31 13 13-1037	LF	42" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	470.48	239.64
		For Seal Class B, Add	*59.91*	
		For Seal Class A, Add	*127.80*	
		For Work In Restricted Working Space, Add	*119.81*	
23 31 13 13-1038	LF	42" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	481.67	245.34
		For Seal Class B, Add	*61.33*	
		For Seal Class A, Add	*130.84*	
		For Work In Restricted Working Space, Add	*122.67*	
23 31 13 13-1039	LF	42" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	492.88	251.04
		For Seal Class B, Add	*62.76*	
		For Seal Class A, Add	*133.89*	
		For Work In Restricted Working Space, Add	*125.52*	
23 31 13 13-1040	LF	42" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	504.07	256.75
		For Seal Class B, Add	*64.19*	
		For Seal Class A, Add	*136.93*	
		For Work In Restricted Working Space, Add	*128.37*	
23 31 13 13-1041	LF	42" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	515.27	262.45
		For Seal Class B, Add	*65.61*	
		For Seal Class A, Add	*139.97*	
		For Work In Restricted Working Space, Add	*131.23*	
23 31 13 13-1042	LF	42" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	526.48	268.15
		For Seal Class B, Add	*67.04*	
		For Seal Class A, Add	*143.01*	
		For Work In Restricted Working Space, Add	*134.08*	
23 31 13 13-1043	LF	42" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	537.69	273.86
		For Seal Class B, Add	*68.47*	
		For Seal Class A, Add	*146.06*	
		For Work In Restricted Working Space, Add	*136.93*	
23 31 13 13-1044	LF	42" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	548.88	279.56
		For Seal Class B, Add	*69.89*	
		For Seal Class A, Add	*149.10*	
		For Work In Restricted Working Space, Add	*139.79*	
23 31 13 13-1045	LF	44" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	492.88	251.04
		For Seal Class B, Add	*62.76*	
		For Seal Class A, Add	*133.89*	
		For Work In Restricted Working Space, Add	*125.52*	
23 31 13 13-1046	LF	44" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	504.07	256.75
		For Seal Class B, Add	*64.19*	
		For Seal Class A, Add	*136.93*	
		For Work In Restricted Working Space, Add	*128.37*	
23 31 13 13-1047	LF	44" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	515.27	262.45
		For Seal Class B, Add	*65.61*	
		For Seal Class A, Add	*139.97*	
		For Work In Restricted Working Space, Add	*131.23*	
23 31 13 13-1048	LF	44" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	526.48	268.15
		For Seal Class B, Add	*67.04*	
		For Seal Class A, Add	*143.01*	
		For Work In Restricted Working Space, Add	*134.08*	
23 31 13 13-1049	LF	44" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	537.69	273.86
		For Seal Class B, Add	*68.47*	
		For Seal Class A, Add	*146.06*	
		For Work In Restricted Working Space, Add	*136.93*	
23 31 13 13-1050	LF	44" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	548.88	279.56
		For Seal Class B, Add	*69.89*	
		For Seal Class A, Add	*149.10*	
		For Work In Restricted Working Space, Add	*139.79*	
23 31 13 13-1051	LF	44" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	560.08	285.28
		For Seal Class B, Add	*71.32*	
		For Seal Class A, Add	*152.15*	
		For Work In Restricted Working Space, Add	*142.64*	
23 31 13 13-1052	LF	46" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	515.27	262.45
		For Seal Class B, Add	*65.61*	
		For Seal Class A, Add	*139.97*	
		For Work In Restricted Working Space, Add	*131.23*	
23 31 13 13-1053	LF	46" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	526.48	268.15
		For Seal Class B, Add	*67.04*	
		For Seal Class A, Add	*143.01*	
		For Work In Restricted Working Space, Add	*134.08*	
23 31 13 13-1054	LF	46" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	537.69	273.86
		For Seal Class B, Add	*68.47*	
		For Seal Class A, Add	*146.06*	
		For Work In Restricted Working Space, Add	*136.93*	
23 31 13 13-1055	LF	46" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	548.88	279.56
		For Seal Class B, Add	*69.89*	
		For Seal Class A, Add	*149.10*	
		For Work In Restricted Working Space, Add	*139.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1056	LF	46" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	560.08	285.28
		For Seal Class B, Add	*71.32*	
		For Seal Class A, Add	*152.15*	
		For Work In Restricted Working Space, Add	*142.64*	
23 31 13 13-1057	LF	46" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	580.79	296.69
		For Seal Class B, Add	*74.17*	
		For Seal Class A, Add	*158.23*	
		For Work In Restricted Working Space, Add	*148.34*	
23 31 13 13-1058	LF	46" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	592.01	302.39
		For Seal Class B, Add	*75.60*	
		For Seal Class A, Add	*161.28*	
		For Work In Restricted Working Space, Add	*151.20*	
23 31 13 13-1059	LF	48" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	537.69	273.86
		For Seal Class B, Add	*68.47*	
		For Seal Class A, Add	*146.06*	
		For Work In Restricted Working Space, Add	*136.93*	
23 31 13 13-1060	LF	48" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	548.88	279.56
		For Seal Class B, Add	*69.89*	
		For Seal Class A, Add	*149.10*	
		For Work In Restricted Working Space, Add	*139.79*	
23 31 13 13-1061	LF	48" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	560.08	285.28
		For Seal Class B, Add	*71.32*	
		For Seal Class A, Add	*152.15*	
		For Work In Restricted Working Space, Add	*142.64*	
23 31 13 13-1062	LF	48" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	571.28	290.99
		For Seal Class B, Add	*72.75*	
		For Seal Class A, Add	*155.19*	
		For Work In Restricted Working Space, Add	*145.49*	
23 31 13 13-1063	LF	48" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	582.50	296.69
		For Seal Class B, Add	*74.17*	
		For Seal Class A, Add	*158.23*	
		For Work In Restricted Working Space, Add	*148.34*	
23 31 13 13-1064	LF	48" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	593.70	302.39
		For Seal Class B, Add	*75.60*	
		For Seal Class A, Add	*161.28*	
		For Work In Restricted Working Space, Add	*151.20*	
23 31 13 13-1065	LF	48" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	604.89	308.10
		For Seal Class B, Add	*77.02*	
		For Seal Class A, Add	*164.32*	
		For Work In Restricted Working Space, Add	*154.05*	
23 31 13 13-1066	LF	50" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	560.08	285.28
		For Seal Class B, Add	*71.32*	
		For Seal Class A, Add	*152.15*	
		For Work In Restricted Working Space, Add	*142.64*	
23 31 13 13-1067	LF	50" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	571.28	290.99
		For Seal Class B, Add	*72.75*	
		For Seal Class A, Add	*155.19*	
		For Work In Restricted Working Space, Add	*145.49*	
23 31 13 13-1068	LF	50" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	582.50	296.69
		For Seal Class B, Add	*74.17*	
		For Seal Class A, Add	*158.23*	
		For Work In Restricted Working Space, Add	*148.34*	
23 31 13 13-1069	LF	50" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	593.70	302.39
		For Seal Class B, Add	*75.60*	
		For Seal Class A, Add	*161.28*	
		For Work In Restricted Working Space, Add	*151.20*	
23 31 13 13-1070	LF	50" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	604.89	308.10
		For Seal Class B, Add	*77.02*	
		For Seal Class A, Add	*164.32*	
		For Work In Restricted Working Space, Add	*154.05*	
23 31 13 13-1071	LF	50" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	616.08	313.80
		For Seal Class B, Add	*78.45*	
		For Seal Class A, Add	*167.36*	
		For Work In Restricted Working Space, Add	*156.90*	
23 31 13 13-1072	LF	52" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	582.50	296.69
		For Seal Class B, Add	*74.17*	
		For Seal Class A, Add	*158.23*	
		For Work In Restricted Working Space, Add	*148.34*	
23 31 13 13-1073	LF	52" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	593.70	302.39
		For Seal Class B, Add	*75.60*	
		For Seal Class A, Add	*161.28*	
		For Work In Restricted Working Space, Add	*151.20*	
23 31 13 13-1074	LF	52" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	604.89	308.10
		For Seal Class B, Add	*77.02*	
		For Seal Class A, Add	*164.32*	
		For Work In Restricted Working Space, Add	*154.05*	
23 31 13 13-1075	LF	52" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	616.08	313.80
		For Seal Class B, Add	*78.45*	
		For Seal Class A, Add	*167.36*	
		For Work In Restricted Working Space, Add	*156.90*	
23 31 13 13-1076	LF	52" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	627.29	319.50
		For Seal Class B, Add	*79.88*	
		For Seal Class A, Add	*170.41*	
		For Work In Restricted Working Space, Add	*159.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1077	LF	54" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	604.89	308.10
		For Seal Class B, Add	*77.02*	
		For Seal Class A, Add	*164.32*	
		For Work In Restricted Working Space, Add	*154.05*	
23 31 13 13-1078	LF	54" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	616.08	313.80
		For Seal Class B, Add	*78.45*	
		For Seal Class A, Add	*167.36*	
		For Work In Restricted Working Space, Add	*156.90*	
23 31 13 13-1079	LF	54" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	627.29	319.50
		For Seal Class B, Add	*79.88*	
		For Seal Class A, Add	*170.41*	
		For Work In Restricted Working Space, Add	*159.76*	
23 31 13 13-1080	LF	54" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	638.51	325.21
		For Seal Class B, Add	*81.30*	
		For Seal Class A, Add	*173.45*	
		For Work In Restricted Working Space, Add	*162.61*	
23 31 13 13-1081	LF	54" x 62", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	649.70	330.92
		For Seal Class B, Add	*82.73*	
		For Seal Class A, Add	*176.49*	
		For Work In Restricted Working Space, Add	*165.46*	
23 31 13 13-1082	LF	54" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	660.90	336.62
		For Seal Class B, Add	*84.16*	
		For Seal Class A, Add	*179.53*	
		For Work In Restricted Working Space, Add	*168.31*	
23 31 13 13-1083	LF	56" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	627.29	319.50
		For Seal Class B, Add	*79.88*	
		For Seal Class A, Add	*170.41*	
		For Work In Restricted Working Space, Add	*159.76*	
23 31 13 13-1084	LF	56" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	638.51	325.21
		For Seal Class B, Add	*81.30*	
		For Seal Class A, Add	*173.45*	
		For Work In Restricted Working Space, Add	*162.61*	
23 31 13 13-1085	LF	56" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	649.70	330.92
		For Seal Class B, Add	*82.73*	
		For Seal Class A, Add	*176.49*	
		For Work In Restricted Working Space, Add	*165.46*	
23 31 13 13-1086	LF	56" x 62", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	660.90	336.62
		For Seal Class B, Add	*84.16*	
		For Seal Class A, Add	*179.53*	
		For Work In Restricted Working Space, Add	*168.31*	
23 31 13 13-1087	LF	56" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	672.10	342.33
		For Seal Class B, Add	*85.58*	
		For Seal Class A, Add	*182.58*	
		For Work In Restricted Working Space, Add	*171.17*	
23 31 13 13-1088	LF	58" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	649.70	330.92
		For Seal Class B, Add	*82.73*	
		For Seal Class A, Add	*176.49*	
		For Work In Restricted Working Space, Add	*165.46*	
23 31 13 13-1089	LF	58" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	660.90	336.62
		For Seal Class B, Add	*84.16*	
		For Seal Class A, Add	*179.53*	
		For Work In Restricted Working Space, Add	*168.31*	
23 31 13 13-1090	LF	58" x 62", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	672.10	342.33
		For Seal Class B, Add	*85.58*	
		For Seal Class A, Add	*182.58*	
		For Work In Restricted Working Space, Add	*171.17*	
23 31 13 13-1091	LF	58" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	683.29	348.04
		For Seal Class B, Add	*87.01*	
		For Seal Class A, Add	*185.62*	
		For Work In Restricted Working Space, Add	*174.02*	
23 31 13 13-1092	LF	58" x 66", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	694.51	353.74
		For Seal Class B, Add	*88.43*	
		For Seal Class A, Add	*188.66*	
		For Work In Restricted Working Space, Add	*176.87*	
23 31 13 13-1093	LF	60" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	672.10	342.33
		For Seal Class B, Add	*85.58*	
		For Seal Class A, Add	*182.58*	
		For Work In Restricted Working Space, Add	*171.17*	
23 31 13 13-1094	LF	60" x 62", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	683.29	348.04
		For Seal Class B, Add	*87.01*	
		For Seal Class A, Add	*185.62*	
		For Work In Restricted Working Space, Add	*174.02*	
23 31 13 13-1095	LF	60" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	694.51	353.74
		For Seal Class B, Add	*88.43*	
		For Seal Class A, Add	*188.66*	
		For Work In Restricted Working Space, Add	*176.87*	
23 31 13 13-1096	LF	60" x 66", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	705.71	359.45
		For Seal Class B, Add	*89.86*	
		For Seal Class A, Add	*191.71*	
		For Work In Restricted Working Space, Add	*179.72*	
23 31 13 13-1097	LF	60" x 68", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	716.91	365.15
		For Seal Class B, Add	*91.29*	
		For Seal Class A, Add	*194.75*	
		For Work In Restricted Working Space, Add	*182.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1098	LF	62" x 62", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	694.51	353.74
		For Seal Class B, Add	*88.43*	
		For Seal Class A, Add	*188.66*	
		For Work In Restricted Working Space, Add	*176.87*	
23 31 13 13-1099	LF	62" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	705.71	359.45
		For Seal Class B, Add	*89.86*	
		For Seal Class A, Add	*191.71*	
		For Work In Restricted Working Space, Add	*179.72*	
23 31 13 13-1100	LF	62" x 66", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	716.91	365.15
		For Seal Class B, Add	*91.29*	
		For Seal Class A, Add	*194.75*	
		For Work In Restricted Working Space, Add	*182.58*	
23 31 13 13-1101	LF	62" x 68", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	728.11	370.85
		For Seal Class B, Add	*92.72*	
		For Seal Class A, Add	*197.79*	
		For Work In Restricted Working Space, Add	*185.43*	
23 31 13 13-1102	LF	62" x 70", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	739.30	376.56
		For Seal Class B, Add	*94.14*	
		For Seal Class A, Add	*200.83*	
		For Work In Restricted Working Space, Add	*188.28*	
23 31 13 13-1103	LF	64" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	716.91	365.15
		For Seal Class B, Add	*91.29*	
		For Seal Class A, Add	*194.75*	
		For Work In Restricted Working Space, Add	*182.58*	
23 31 13 13-1104	LF	64" x 66", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	728.11	370.85
		For Seal Class B, Add	*92.72*	
		For Seal Class A, Add	*197.79*	
		For Work In Restricted Working Space, Add	*185.43*	
23 31 13 13-1105	LF	64" x 68", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	739.30	376.56
		For Seal Class B, Add	*94.14*	
		For Seal Class A, Add	*200.83*	
		For Work In Restricted Working Space, Add	*188.28*	
23 31 13 13-1106	LF	64" x 70", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	750.52	382.27
		For Seal Class B, Add	*95.57*	
		For Seal Class A, Add	*203.88*	
		For Work In Restricted Working Space, Add	*191.13*	
23 31 13 13-1107	LF	66" x 66", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	739.30	376.56
		For Seal Class B, Add	*94.14*	
		For Seal Class A, Add	*200.83*	
		For Work In Restricted Working Space, Add	*188.28*	
23 31 13 13-1108	LF	66" x 68", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	750.52	382.27
		For Seal Class B, Add	*95.57*	
		For Seal Class A, Add	*203.88*	
		For Work In Restricted Working Space, Add	*191.13*	
23 31 13 13-1109	LF	66" x 70", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	761.72	387.98
		For Seal Class B, Add	*96.99*	
		For Seal Class A, Add	*206.92*	
		For Work In Restricted Working Space, Add	*193.99*	
23 31 13 13-1110	LF	66" x 72", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	772.91	393.68
		For Seal Class B, Add	*98.42*	
		For Seal Class A, Add	*209.96*	
		For Work In Restricted Working Space, Add	*196.84*	
23 31 13 13-1111	LF	68" x 68", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	761.72	387.98
		For Seal Class B, Add	*96.99*	
		For Seal Class A, Add	*206.92*	
		For Work In Restricted Working Space, Add	*193.99*	
23 31 13 13-1112	LF	68" x 70", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	772.91	393.68
		For Seal Class B, Add	*98.42*	
		For Seal Class A, Add	*209.96*	
		For Work In Restricted Working Space, Add	*196.84*	
23 31 13 13-1113	LF	68" x 72", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	784.12	399.38
		For Seal Class B, Add	*99.85*	
		For Seal Class A, Add	*213.01*	
		For Work In Restricted Working Space, Add	*199.70*	
23 31 13 13-1114	LF	68" x 74", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	795.31	405.09
		For Seal Class B, Add	*101.27*	
		For Seal Class A, Add	*216.05*	
		For Work In Restricted Working Space, Add	*202.55*	
23 31 13 13-1115	LF	70" x 70", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	784.12	399.38
		For Seal Class B, Add	*99.85*	
		For Seal Class A, Add	*213.01*	
		For Work In Restricted Working Space, Add	*199.70*	
23 31 13 13-1116	LF	70" x 72", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	795.31	405.09
		For Seal Class B, Add	*101.27*	
		For Seal Class A, Add	*216.05*	
		For Work In Restricted Working Space, Add	*202.55*	
23 31 13 13-1117	LF	70" x 74", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	806.54	410.80
		For Seal Class B, Add	*102.70*	
		For Seal Class A, Add	*219.09*	
		For Work In Restricted Working Space, Add	*205.40*	
23 31 13 13-1118	LF	70" x 76", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	817.73	416.50
		For Seal Class B, Add	*104.13*	
		For Seal Class A, Add	*222.13*	
		For Work In Restricted Working Space, Add	*208.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1119	LF	70" x 78", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	828.92	422.21
		For Seal Class B, Add	*105.55*	
		For Seal Class A, Add	*225.18*	
		For Work In Restricted Working Space, Add	*211.10*	
23 31 13 13-1120	LF	70" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	840.11	427.91
		For Seal Class B, Add	*106.98*	
		For Seal Class A, Add	*228.22*	
		For Work In Restricted Working Space, Add	*213.95*	
23 31 13 13-1121	LF	70" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	851.32	433.62
		For Seal Class B, Add	*108.41*	
		For Seal Class A, Add	*231.26*	
		For Work In Restricted Working Space, Add	*216.81*	
23 31 13 13-1122	LF	70" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	862.54	439.33
		For Seal Class B, Add	*109.83*	
		For Seal Class A, Add	*234.31*	
		For Work In Restricted Working Space, Add	*219.66*	
23 31 13 13-1123	LF	70" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	873.74	445.03
		For Seal Class B, Add	*111.26*	
		For Seal Class A, Add	*237.35*	
		For Work In Restricted Working Space, Add	*222.52*	
23 31 13 13-1124	LF	72" x 72", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	806.54	410.80
		For Seal Class B, Add	*102.70*	
		For Seal Class A, Add	*219.09*	
		For Work In Restricted Working Space, Add	*205.40*	
23 31 13 13-1125	LF	72" x 74", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	817.73	416.50
		For Seal Class B, Add	*104.13*	
		For Seal Class A, Add	*222.13*	
		For Work In Restricted Working Space, Add	*208.25*	
23 31 13 13-1126	LF	72" x 76", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	828.92	422.21
		For Seal Class B, Add	*105.55*	
		For Seal Class A, Add	*225.18*	
		For Work In Restricted Working Space, Add	*211.10*	
23 31 13 13-1127	LF	72" x 78", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	840.11	427.91
		For Seal Class B, Add	*106.98*	
		For Seal Class A, Add	*228.22*	
		For Work In Restricted Working Space, Add	*213.95*	
23 31 13 13-1128	LF	72" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	851.32	433.62
		For Seal Class B, Add	*108.41*	
		For Seal Class A, Add	*231.26*	
		For Work In Restricted Working Space, Add	*216.81*	
23 31 13 13-1129	LF	72" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	862.54	439.33
		For Seal Class B, Add	*109.83*	
		For Seal Class A, Add	*234.31*	
		For Work In Restricted Working Space, Add	*219.66*	
23 31 13 13-1130	LF	72" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	873.74	445.03
		For Seal Class B, Add	*111.26*	
		For Seal Class A, Add	*237.35*	
		For Work In Restricted Working Space, Add	*222.52*	
23 31 13 13-1131	LF	72" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	884.93	450.73
		For Seal Class B, Add	*112.68*	
		For Seal Class A, Add	*240.39*	
		For Work In Restricted Working Space, Add	*225.37*	
23 31 13 13-1132	LF	74" x 74", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	828.92	422.21
		For Seal Class B, Add	*105.55*	
		For Seal Class A, Add	*225.18*	
		For Work In Restricted Working Space, Add	*211.10*	
23 31 13 13-1133	LF	74" x 76", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	840.11	427.91
		For Seal Class B, Add	*106.98*	
		For Seal Class A, Add	*228.22*	
		For Work In Restricted Working Space, Add	*213.95*	
23 31 13 13-1134	LF	74" x 78", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	851.32	433.62
		For Seal Class B, Add	*108.41*	
		For Seal Class A, Add	*231.26*	
		For Work In Restricted Working Space, Add	*216.81*	
23 31 13 13-1135	LF	74" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	862.54	439.33
		For Seal Class B, Add	*109.83*	
		For Seal Class A, Add	*234.31*	
		For Work In Restricted Working Space, Add	*219.66*	
23 31 13 13-1136	LF	74" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	873.74	445.03
		For Seal Class B, Add	*111.26*	
		For Seal Class A, Add	*237.35*	
		For Work In Restricted Working Space, Add	*222.52*	
23 31 13 13-1137	LF	74" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	884.93	450.73
		For Seal Class B, Add	*112.68*	
		For Seal Class A, Add	*240.39*	
		For Work In Restricted Working Space, Add	*225.37*	
23 31 13 13-1138	LF	74" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	896.12	456.44
		For Seal Class B, Add	*114.11*	
		For Seal Class A, Add	*243.43*	
		For Work In Restricted Working Space, Add	*228.22*	
23 31 13 13-1139	LF	76" x 76", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	851.32	433.62
		For Seal Class B, Add	*108.41*	
		For Seal Class A, Add	*231.26*	
		For Work In Restricted Working Space, Add	*216.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1140	LF	76" x 78", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	862.54	439.33
		For Seal Class B, Add	*109.83*	
		For Seal Class A, Add	*234.31*	
		For Work In Restricted Working Space, Add	*219.66*	
23 31 13 13-1141	LF	76" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	873.74	445.03
		For Seal Class B, Add	*111.26*	
		For Seal Class A, Add	*237.35*	
		For Work In Restricted Working Space, Add	*222.52*	
23 31 13 13-1142	LF	76" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	884.93	450.73
		For Seal Class B, Add	*112.68*	
		For Seal Class A, Add	*240.39*	
		For Work In Restricted Working Space, Add	*225.37*	
23 31 13 13-1143	LF	76" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	896.12	456.44
		For Seal Class B, Add	*114.11*	
		For Seal Class A, Add	*243.43*	
		For Work In Restricted Working Space, Add	*228.22*	
23 31 13 13-1144	LF	76" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	907.32	462.14
		For Seal Class B, Add	*115.54*	
		For Seal Class A, Add	*246.48*	
		For Work In Restricted Working Space, Add	*231.07*	
23 31 13 13-1145	LF	78" x 78", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	873.74	445.03
		For Seal Class B, Add	*111.26*	
		For Seal Class A, Add	*237.35*	
		For Work In Restricted Working Space, Add	*222.52*	
23 31 13 13-1146	LF	78" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	884.93	450.73
		For Seal Class B, Add	*112.68*	
		For Seal Class A, Add	*240.39*	
		For Work In Restricted Working Space, Add	*225.37*	
23 31 13 13-1147	LF	78" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	896.12	456.44
		For Seal Class B, Add	*114.11*	
		For Seal Class A, Add	*243.43*	
		For Work In Restricted Working Space, Add	*228.22*	
23 31 13 13-1148	LF	78" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	907.32	462.14
		For Seal Class B, Add	*115.54*	
		For Seal Class A, Add	*246.48*	
		For Work In Restricted Working Space, Add	*231.07*	
23 31 13 13-1149	LF	78" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	918.54	467.84
		For Seal Class B, Add	*116.96*	
		For Seal Class A, Add	*249.52*	
		For Work In Restricted Working Space, Add	*233.93*	
23 31 13 13-1150	LF	80" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	896.12	456.44
		For Seal Class B, Add	*114.11*	
		For Seal Class A, Add	*243.43*	
		For Work In Restricted Working Space, Add	*228.22*	
23 31 13 13-1151	LF	80" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	907.32	462.14
		For Seal Class B, Add	*115.54*	
		For Seal Class A, Add	*246.48*	
		For Work In Restricted Working Space, Add	*231.07*	
23 31 13 13-1152	LF	80" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	918.54	467.84
		For Seal Class B, Add	*116.96*	
		For Seal Class A, Add	*249.52*	
		For Work In Restricted Working Space, Add	*233.93*	
23 31 13 13-1153	LF	80" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	939.25	479.27
		For Seal Class B, Add	*119.82*	
		For Seal Class A, Add	*255.61*	
		For Work In Restricted Working Space, Add	*239.63*	
23 31 13 13-1154	LF	82" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	918.54	467.84
		For Seal Class B, Add	*116.96*	
		For Seal Class A, Add	*249.52*	
		For Work In Restricted Working Space, Add	*233.93*	
23 31 13 13-1155	LF	82" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	929.74	473.56
		For Seal Class B, Add	*118.39*	
		For Seal Class A, Add	*252.56*	
		For Work In Restricted Working Space, Add	*236.78*	
23 31 13 13-1156	LF	82" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	940.94	479.27
		For Seal Class B, Add	*119.82*	
		For Seal Class A, Add	*255.61*	
		For Work In Restricted Working Space, Add	*239.63*	
23 31 13 13-1157	LF	84" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	940.94	479.27
		For Seal Class B, Add	*119.82*	
		For Seal Class A, Add	*255.61*	
		For Work In Restricted Working Space, Add	*239.63*	
23 31 13 13-1158	LF	84" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	952.14	484.97
		For Seal Class B, Add	*121.24*	
		For Seal Class A, Add	*258.65*	
		For Work In Restricted Working Space, Add	*242.48*	
23 31 13 13-1159	LF	86" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	963.33	490.68
		For Seal Class B, Add	*122.67*	
		For Seal Class A, Add	*261.69*	
		For Work In Restricted Working Space, Add	*245.34*	

23 31 13 16 Round and Flat-Oval Spiral Ducts *(23 31 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0001		**Low Pressure Round And Flat-Oval Duct** *(23 31 13 16)* Note: 7" diameter round = 4" x 11.85" flat oval. 8" diameter round = 4" x 15" flat oval. 10" diameter round = 4" x 25.99" or 6" x 15.42" or 8" x 11.14" flat oval. 12" diameter round = 6" x 23.28" or 8" x 15.85" flat oval. 14" diameter round = 6" x 32.70" or 8" x 22.14" or 10" x 17.85 or 12" x 15.14" flat oval. 16" diameter round = 6" x 43.70" or 8" x 29.99" or 10" x 24.14" or 12" x 19.85" or 14" x 17.14" flat oval. 18" diameter round = 6" x 59.41" or 8" x 39.42" or 10" x 30.42" or 12" x 24.57" or 14" x 21.85" or 16" x 19.14" flat oval. 20" diameter round = 8" x 51.98" or 10" x 38.27" or 12" x 30.85" or 14" x 26.57" or 16" x 23.85" or 18" x 21.14" flat oval. Includes sealing the joints by tape, mastic, or spray on sealer.		
23 31 13 16-0002		**Galvanized Sheet Metal Round And Flat-Oval Ducts** *(23 31 13 16-0001)* Note: Includes straps and supports.		
23 31 13 16-0003	LF	4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	8.09	2.80
		For Seal Class B, Add	*0.86*	
		For Seal Class A, Add	*2.29*	
		For Up To 20', Add	*0.71*	
		For >20' To 50', Add	*0.28*	
		For >200' To 500', Deduct	*-0.18*	
		For >500', Deduct	*-0.30*	
		For 28 Gauge, Deduct	*-0.33*	
		For 24 Gauge, Add	*0.33*	
		For 22 Gauge, Add	*0.65*	
		For 20 Gauge, Add	*0.98*	
		For 18 Gauge, Add	*1.30*	
		For 16 Gauge, Add	*1.59*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*1.75*	
		For Work In Restricted Working Space, Add	*1.72*	
		For Elevated Installation >10' To 15', Add	*0.57*	
		For Elevated Installation >15' To 20', Add	*1.15*	
		For Elevated Installation >20' To 25', Add	*1.43*	
		For Elevated Installation >25' To 30', Add	*2.01*	
		For Elevated Installation >30' To 35', Add	*2.29*	
		For Elevated Installation >35' To 40', Add	*2.87*	
		For Elevated Installation >40', Add	*3.15*	
23 31 13 16-0004	LF	5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	9.36	3.18
		For Seal Class B, Add	*0.96*	
		For Seal Class A, Add	*2.55*	
		For Up To 20', Add	*0.90*	
		For >20' To 50', Add	*0.36*	
		For >200' To 500', Deduct	*-0.22*	
		For >500', Deduct	*-0.37*	
		For 28 Gauge, Deduct	*-0.41*	
		For 24 Gauge, Add	*0.41*	
		For 22 Gauge, Add	*0.82*	
		For 20 Gauge, Add	*1.24*	
		For 18 Gauge, Add	*1.64*	
		For 16 Gauge, Add	*2.02*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.21*	
		For Work In Restricted Working Space, Add	*1.91*	
		For Elevated Installation >10' To 15', Add	*0.64*	
		For Elevated Installation >15' To 20', Add	*1.27*	
		For Elevated Installation >20' To 25', Add	*1.59*	
		For Elevated Installation >25' To 30', Add	*2.23*	
		For Elevated Installation >30' To 35', Add	*2.55*	
		For Elevated Installation >35' To 40', Add	*3.19*	
		For Elevated Installation >40', Add	*3.50*	
23 31 13 16-0005	LF	6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	10.62	3.82
		For Seal Class B, Add	*1.08*	
		For Seal Class A, Add	*2.87*	
		For Up To 20', Add	*1.04*	
		For >20' To 50', Add	*0.41*	
		For >200' To 500', Deduct	*-0.26*	
		For >500', Deduct	*-0.43*	
		For 28 Gauge, Deduct	*-0.48*	
		For 24 Gauge, Add	*0.48*	
		For 22 Gauge, Add	*0.95*	
		For 20 Gauge, Add	*1.43*	
		For 18 Gauge, Add	*1.90*	
		For 16 Gauge, Add	*2.33*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.55*	
		For Work In Restricted Working Space, Add	*2.15*	
		For Elevated Installation >10' To 15', Add	*0.72*	
		For Elevated Installation >15' To 20', Add	*1.43*	
		For Elevated Installation >20' To 25', Add	*1.79*	
		For Elevated Installation >25' To 30', Add	*2.51*	
		For Elevated Installation >30' To 35', Add	*2.87*	
		For Elevated Installation >35' To 40', Add	*3.59*	
		For Elevated Installation >40', Add	*3.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0006	LF	7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	11.91	4.46
		For Seal Class B, Add	*1.23*	
		For Seal Class A, Add	*3.28*	
		For Up To 20', Add	*1.12*	
		For >20' To 50', Add	*0.45*	
		For >200' To 500', Deduct	*-0.28*	
		For >500', Deduct	*-0.47*	
		For 28 Gauge, Deduct	*-0.52*	
		For 24 Gauge, Add	*0.51*	
		For 22 Gauge, Add	*1.02*	
		For 20 Gauge, Add	*1.54*	
		For 18 Gauge, Add	*2.05*	
		For 16 Gauge, Add	*2.51*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.75*	
		For Work In Restricted Working Space, Add	*2.46*	
		For Elevated Installation >10' To 15', Add	*0.82*	
		For Elevated Installation >15' To 20', Add	*1.64*	
		For Elevated Installation >20' To 25', Add	*2.05*	
		For Elevated Installation >25' To 30', Add	*2.87*	
		For Elevated Installation >30' To 35', Add	*3.28*	
		For Elevated Installation >35' To 40', Add	*4.10*	
		For Elevated Installation >40', Add	*4.50*	
23 31 13 16-0007	LF	8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	13.54	5.09
		For Seal Class B, Add	*1.43*	
		For Seal Class A, Add	*3.82*	
		For Up To 20', Add	*1.20*	
		For >20' To 50', Add	*0.48*	
		For >200' To 500', Deduct	*-0.30*	
		For >500', Deduct	*-0.50*	
		For 28 Gauge, Deduct	*-0.55*	
		For 24 Gauge, Add	*0.55*	
		For 22 Gauge, Add	*1.10*	
		For 20 Gauge, Add	*1.65*	
		For 18 Gauge, Add	*2.19*	
		For 16 Gauge, Add	*2.69*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.95*	
		For Work In Restricted Working Space, Add	*2.87*	
		For Elevated Installation >10' To 15', Add	*0.96*	
		For Elevated Installation >15' To 20', Add	*1.91*	
		For Elevated Installation >20' To 25', Add	*2.39*	
		For Elevated Installation >25' To 30', Add	*3.34*	
		For Elevated Installation >30' To 35', Add	*3.82*	
		For Elevated Installation >35' To 40', Add	*4.78*	
		For Elevated Installation >40', Add	*5.25*	
23 31 13 16-0008	LF	10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	17.27	6.37
		For Seal Class B, Add	*1.72*	
		For Seal Class A, Add	*4.58*	
		For Up To 20', Add	*1.74*	
		For >20' To 50', Add	*0.70*	
		For >200' To 500', Deduct	*-0.44*	
		For >500', Deduct	*-0.73*	
		For 28 Gauge, Deduct	*-0.80*	
		For 24 Gauge, Add	*0.80*	
		For 22 Gauge, Add	*1.60*	
		For 20 Gauge, Add	*2.41*	
		For 18 Gauge, Add	*3.20*	
		For 16 Gauge, Add	*3.92*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.30*	
		For Work In Restricted Working Space, Add	*3.44*	
		For Elevated Installation >10' To 15', Add	*1.15*	
		For Elevated Installation >15' To 20', Add	*2.29*	
		For Elevated Installation >20' To 25', Add	*2.87*	
		For Elevated Installation >25' To 30', Add	*4.01*	
		For Elevated Installation >30' To 35', Add	*4.58*	
		For Elevated Installation >35' To 40', Add	*5.73*	
		For Elevated Installation >40', Add	*6.30*	
23 31 13 16-0009	LF	12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	21.13	8.54
		For Seal Class B, Add	*2.15*	
		For Seal Class A, Add	*5.73*	
		For Up To 20', Add	*2.04*	
		For >20' To 50', Add	*0.82*	
		For >200' To 500', Deduct	*-0.51*	
		For >500', Deduct	*-0.85*	
		For 28 Gauge, Deduct	*-0.94*	
		For 24 Gauge, Add	*0.94*	
		For 22 Gauge, Add	*1.87*	
		For 20 Gauge, Add	*2.82*	
		For 18 Gauge, Add	*3.74*	
		For 16 Gauge, Add	*4.59*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.03*	
		For Work In Restricted Working Space, Add	*4.30*	
		For Elevated Installation >10' To 15', Add	*1.43*	
		For Elevated Installation >15' To 20', Add	*2.87*	
		For Elevated Installation >20' To 25', Add	*3.58*	
		For Elevated Installation >25' To 30', Add	*5.02*	
		For Elevated Installation >30' To 35', Add	*5.73*	
		For Elevated Installation >35' To 40', Add	*7.17*	
		For Elevated Installation >40', Add	*7.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0010	LF	14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	25.64	12.74
		For Seal Class B, Add	*2.69*	
		For Seal Class A, Add	*7.17*	
		For Up To 20', Add	*2.32*	
		For >20' To 50', Add	*0.93*	
		For >200' To 500', Deduct	*-0.58*	
		For >500', Deduct	*-0.97*	
		For 28 Gauge, Deduct	*-1.07*	
		For 24 Gauge, Add	*1.07*	
		For 22 Gauge, Add	*2.13*	
		For 20 Gauge, Add	*3.20*	
		For 18 Gauge, Add	*4.25*	
		For 16 Gauge, Add	*5.21*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.71*	
		For Work In Restricted Working Space, Add	*5.38*	
		For Elevated Installation >10' To 15', Add	*1.79*	
		For Elevated Installation >15' To 20', Add	*3.58*	
		For Elevated Installation >20' To 25', Add	*4.48*	
		For Elevated Installation >25' To 30', Add	*6.27*	
		For Elevated Installation >30' To 35', Add	*7.17*	
		For Elevated Installation >35' To 40', Add	*8.96*	
		For Elevated Installation >40', Add	*9.86*	
23 31 13 16-0011	LF	16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	34.49	17.07
		For Seal Class B, Add	*3.58*	
		For Seal Class A, Add	*9.56*	
		For Up To 20', Add	*3.18*	
		For >20' To 50', Add	*1.27*	
		For >200' To 500', Deduct	*-0.80*	
		For >500', Deduct	*-1.33*	
		For 28 Gauge, Deduct	*-1.47*	
		For 24 Gauge, Add	*1.46*	
		For 22 Gauge, Add	*2.92*	
		For 20 Gauge, Add	*4.39*	
		For 18 Gauge, Add	*5.83*	
		For 16 Gauge, Add	*7.16*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.84*	
		For Work In Restricted Working Space, Add	*7.17*	
		For Elevated Installation >10' To 15', Add	*2.39*	
		For Elevated Installation >15' To 20', Add	*4.78*	
		For Elevated Installation >20' To 25', Add	*5.97*	
		For Elevated Installation >25' To 30', Add	*8.36*	
		For Elevated Installation >30' To 35', Add	*9.56*	
		For Elevated Installation >35' To 40', Add	*11.95*	
		For Elevated Installation >40', Add	*13.14*	
23 31 13 16-0012	LF	18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	49.15	20.51
		For Up To 20', Add	*6.15*	
		For >20' To 50', Add	*2.46*	
		For >200' To 500', Deduct	*-1.54*	
		For >500', Deduct	*-2.56*	
		For 28 Gauge, Deduct	*-2.84*	
		For 24 Gauge, Add	*2.83*	
		For 22 Gauge, Add	*5.64*	
		For 20 Gauge, Add	*8.48*	
		For 18 Gauge, Add	*11.27*	
		For 16 Gauge, Add	*13.83*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*15.16*	
		For Work In Restricted Working Space, Add	*8.60*	
		For Elevated Installation >10' To 15', Add	*2.87*	
		For Elevated Installation >15' To 20', Add	*5.73*	
		For Elevated Installation >20' To 25', Add	*7.17*	
		For Elevated Installation >25' To 30', Add	*10.03*	
		For Elevated Installation >30' To 35', Add	*11.46*	
		For Elevated Installation >35' To 40', Add	*14.33*	
		For Elevated Installation >40', Add	*15.76*	
23 31 13 16-0013	LF	20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	56.00	23.69
		For Up To 20', Add	*6.86*	
		For >20' To 50', Add	*2.75*	
		For >200' To 500', Deduct	*-1.72*	
		For >500', Deduct	*-2.86*	
		For 28 Gauge, Deduct	*-3.17*	
		For 24 Gauge, Add	*3.16*	
		For 22 Gauge, Add	*6.30*	
		For 20 Gauge, Add	*9.47*	
		For 18 Gauge, Add	*12.58*	
		For 16 Gauge, Add	*15.44*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*16.93*	
		For Work In Restricted Working Space, Add	*9.94*	
		For Elevated Installation >10' To 15', Add	*3.31*	
		For Elevated Installation >15' To 20', Add	*6.62*	
		For Elevated Installation >20' To 25', Add	*8.28*	
		For Elevated Installation >25' To 30', Add	*11.59*	
		For Elevated Installation >30' To 35', Add	*13.25*	
		For Elevated Installation >35' To 40', Add	*16.56*	
		For Elevated Installation >40', Add	*18.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0014		Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbows *(23 31 13 16-0001)*		
		Note: Up to 90 degree.		
23 31 13 16-0015	EA	4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	40.76	17.01
		For Seal Class B, Add	*5.10*	
		For Seal Class A, Add	*13.60*	
		For 28 Gauge, Deduct	*-0.93*	
		For 24 Gauge, Add	*0.93*	
		For 22 Gauge, Add	*1.86*	
		For 20 Gauge, Add	*2.79*	
		For 18 Gauge, Add	*3.71*	
		For 16 Gauge, Add	*4.56*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.00*	
		For Work In Restricted Working Space, Add	*10.20*	
		For Elevated Installation >10' To 15', Add	*3.40*	
		For Elevated Installation >15' To 20', Add	*6.80*	
		For Elevated Installation >20' To 25', Add	*8.50*	
		For Elevated Installation >25' To 30', Add	*11.90*	
		For Elevated Installation >30' To 35', Add	*13.60*	
		For Elevated Installation >35' To 40', Add	*17.01*	
		For Elevated Installation >40', Add	*18.71*	
23 31 13 16-0016	EA	5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	46.59	19.62
		For Seal Class B, Add	*5.89*	
		For Seal Class A, Add	*15.70*	
		For 28 Gauge, Deduct	*-1.02*	
		For 24 Gauge, Add	*1.01*	
		For 22 Gauge, Add	*2.02*	
		For 20 Gauge, Add	*3.04*	
		For 18 Gauge, Add	*4.04*	
		For 16 Gauge, Add	*4.96*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.44*	
		For Work In Restricted Working Space, Add	*11.77*	
		For Elevated Installation >10' To 15', Add	*3.92*	
		For Elevated Installation >15' To 20', Add	*7.85*	
		For Elevated Installation >20' To 25', Add	*9.81*	
		For Elevated Installation >25' To 30', Add	*13.73*	
		For Elevated Installation >30' To 35', Add	*15.70*	
		For Elevated Installation >35' To 40', Add	*19.62*	
		For Elevated Installation >40', Add	*21.58*	
23 31 13 16-0017	EA	6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	54.63	23.18
		For Seal Class B, Add	*6.96*	
		For Seal Class A, Add	*18.55*	
		For 28 Gauge, Deduct	*-1.14*	
		For 24 Gauge, Add	*1.14*	
		For 22 Gauge, Add	*2.28*	
		For 20 Gauge, Add	*3.42*	
		For 18 Gauge, Add	*4.54*	
		For 16 Gauge, Add	*5.58*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.11*	
		For Work In Restricted Working Space, Add	*13.91*	
		For Elevated Installation >10' To 15', Add	*4.64*	
		For Elevated Installation >15' To 20', Add	*9.27*	
		For Elevated Installation >20' To 25', Add	*11.59*	
		For Elevated Installation >25' To 30', Add	*16.23*	
		For Elevated Installation >30' To 35', Add	*18.55*	
		For Elevated Installation >35' To 40', Add	*23.19*	
		For Elevated Installation >40', Add	*25.50*	
23 31 13 16-0018	EA	7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	69.78	29.80
		For Seal Class B, Add	*8.94*	
		For Seal Class A, Add	*23.85*	
		For 28 Gauge, Deduct	*-1.41*	
		For 24 Gauge, Add	*1.40*	
		For 22 Gauge, Add	*2.80*	
		For 20 Gauge, Add	*4.21*	
		For 18 Gauge, Add	*5.59*	
		For 16 Gauge, Add	*6.86*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.52*	
		For Work In Restricted Working Space, Add	*17.89*	
		For Elevated Installation >10' To 15', Add	*5.96*	
		For Elevated Installation >15' To 20', Add	*11.92*	
		For Elevated Installation >20' To 25', Add	*14.91*	
		For Elevated Installation >25' To 30', Add	*20.87*	
		For Elevated Installation >30' To 35', Add	*23.85*	
		For Elevated Installation >35' To 40', Add	*29.81*	
		For Elevated Installation >40', Add	*32.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0019	EA	8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	83.58	36.31
		For Seal Class B, Add	*10.89*	
		For Seal Class A, Add	*29.04*	
		For 28 Gauge, Deduct	*-1.52*	
		For 24 Gauge, Add	*1.51*	
		For 22 Gauge, Add	*3.02*	
		For 20 Gauge, Add	*4.54*	
		For 18 Gauge, Add	*6.03*	
		For 16 Gauge, Add	*7.40*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*8.12*	
		For Work In Restricted Working Space, Add	*21.78*	
		For Elevated Installation >10' To 15', Add	*7.26*	
		For Elevated Installation >15' To 20', Add	*14.52*	
		For Elevated Installation >20' To 25', Add	*18.15*	
		For Elevated Installation >25' To 30', Add	*25.41*	
		For Elevated Installation >30' To 35', Add	*29.04*	
		For Elevated Installation >35' To 40', Add	*36.31*	
		For Elevated Installation >40', Add	*39.94*	
23 31 13 16-0020	EA	10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	127.85	56.69
		For Seal Class B, Add	*17.01*	
		For Seal Class A, Add	*45.35*	
		For 28 Gauge, Deduct	*-2.01*	
		For 24 Gauge, Add	*2.00*	
		For 22 Gauge, Add	*3.99*	
		For 20 Gauge, Add	*5.99*	
		For 18 Gauge, Add	*7.96*	
		For 16 Gauge, Add	*9.77*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*10.72*	
		For Work In Restricted Working Space, Add	*34.01*	
		For Elevated Installation >10' To 15', Add	*11.34*	
		For Elevated Installation >15' To 20', Add	*22.67*	
		For Elevated Installation >20' To 25', Add	*28.34*	
		For Elevated Installation >25' To 30', Add	*39.68*	
		For Elevated Installation >30' To 35', Add	*45.35*	
		For Elevated Installation >35' To 40', Add	*56.69*	
		For Elevated Installation >40', Add	*62.35*	
23 31 13 16-0021	EA	12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	176.30	78.34
		For Seal Class B, Add	*23.50*	
		For Seal Class A, Add	*62.67*	
		For 28 Gauge, Deduct	*-2.72*	
		For 24 Gauge, Add	*2.71*	
		For 22 Gauge, Add	*5.41*	
		For 20 Gauge, Add	*8.12*	
		For 18 Gauge, Add	*10.79*	
		For 16 Gauge, Add	*13.24*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*14.52*	
		For Work In Restricted Working Space, Add	*47.00*	
		For Elevated Installation >10' To 15', Add	*15.67*	
		For Elevated Installation >15' To 20', Add	*31.34*	
		For Elevated Installation >20' To 25', Add	*39.17*	
		For Elevated Installation >25' To 30', Add	*54.84*	
		For Elevated Installation >30' To 35', Add	*62.67*	
		For Elevated Installation >35' To 40', Add	*78.34*	
		For Elevated Installation >40', Add	*86.17*	
23 31 13 16-0022	EA	14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	215.42	92.67
		For Seal Class B, Add	*27.80*	
		For Seal Class A, Add	*74.14*	
		For 28 Gauge, Deduct	*-4.16*	
		For 24 Gauge, Add	*4.15*	
		For 22 Gauge, Add	*8.28*	
		For 20 Gauge, Add	*12.45*	
		For 18 Gauge, Add	*16.54*	
		For 16 Gauge, Add	*20.30*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*22.25*	
		For Work In Restricted Working Space, Add	*55.61*	
		For Elevated Installation >10' To 15', Add	*18.54*	
		For Elevated Installation >15' To 20', Add	*37.07*	
		For Elevated Installation >20' To 25', Add	*46.34*	
		For Elevated Installation >25' To 30', Add	*64.87*	
		For Elevated Installation >30' To 35', Add	*74.14*	
		For Elevated Installation >35' To 40', Add	*92.68*	
		For Elevated Installation >40', Add	*101.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0023	EA	16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	246.91	101.90
		For Seal Class B, Add	*30.57*	
		For Seal Class A, Add	*81.53*	
		For 28 Gauge, Deduct	*-5.97*	
		For 24 Gauge, Add	*5.95*	
		For 22 Gauge, Add	*11.87*	
		For 20 Gauge, Add	*17.84*	
		For 18 Gauge, Add	*23.70*	
		For 16 Gauge, Add	*29.09*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*31.89*	
		For Work In Restricted Working Space, Add	*61.15*	
		For Elevated Installation >10' To 15', Add	*20.38*	
		For Elevated Installation >15' To 20', Add	*40.76*	
		For Elevated Installation >20' To 25', Add	*50.96*	
		For Elevated Installation >25' To 30', Add	*71.34*	
		For Elevated Installation >30' To 35', Add	*81.53*	
		For Elevated Installation >35' To 40', Add	*101.91*	
		For Elevated Installation >40', Add	*112.10*	
23 31 13 16-0024	EA	18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	276.61	106.05
		For Seal Class B, Add	*31.81*	
		For Seal Class A, Add	*84.84*	
		For 28 Gauge, Deduct	*-8.94*	
		For 24 Gauge, Add	*8.90*	
		For 22 Gauge, Add	*17.78*	
		For 20 Gauge, Add	*26.71*	
		For 18 Gauge, Add	*35.49*	
		For 16 Gauge, Add	*43.55*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*47.74*	
		For Work In Restricted Working Space, Add	*63.63*	
		For Elevated Installation >10' To 15', Add	*21.21*	
		For Elevated Installation >15' To 20', Add	*42.42*	
		For Elevated Installation >20' To 25', Add	*53.02*	
		For Elevated Installation >25' To 30', Add	*74.23*	
		For Elevated Installation >30' To 35', Add	*84.84*	
		For Elevated Installation >35' To 40', Add	*106.05*	
		For Elevated Installation >40', Add	*116.65*	
23 31 13 16-0025	EA	20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	305.12	109.55
		For Seal Class B, Add	*32.86*	
		For Seal Class A, Add	*87.64*	
		For 28 Gauge, Deduct	*-11.92*	
		For 24 Gauge, Add	*11.87*	
		For 22 Gauge, Add	*23.70*	
		For 20 Gauge, Add	*35.62*	
		For 18 Gauge, Add	*47.32*	
		For 16 Gauge, Add	*58.07*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*63.66*	
		For Work In Restricted Working Space, Add	*65.73*	
		For Elevated Installation >10' To 15', Add	*21.91*	
		For Elevated Installation >15' To 20', Add	*43.82*	
		For Elevated Installation >20' To 25', Add	*54.77*	
		For Elevated Installation >25' To 30', Add	*76.68*	
		For Elevated Installation >30' To 35', Add	*87.64*	
		For Elevated Installation >35' To 40', Add	*109.55*	
		For Elevated Installation >40', Add	*120.50*	

23 31 13 16-0026 Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbows *(23 31 13 16-0001)*

23 31 13 16-0027	EA	4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	34.34	11.46
		For Seal Class B, Add	*4.30*	
		For Seal Class A, Add	*11.46*	
		For 28 Gauge, Deduct	*-0.79*	
		For 24 Gauge, Add	*0.78*	
		For 22 Gauge, Add	*1.56*	
		For 20 Gauge, Add	*2.35*	
		For 18 Gauge, Add	*3.12*	
		For 16 Gauge, Add	*3.83*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.20*	
		For Work In Restricted Working Space, Add	*8.60*	
		For Elevated Installation >10' To 15', Add	*2.87*	
		For Elevated Installation >15' To 20', Add	*5.73*	
		For Elevated Installation >20' To 25', Add	*7.17*	
		For Elevated Installation >25' To 30', Add	*10.03*	
		For Elevated Installation >30' To 35', Add	*11.46*	
		For Elevated Installation >35' To 40', Add	*14.33*	
		For Elevated Installation >40', Add	*15.76*	

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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0028	EA	5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	39.22	13.13
		For Seal Class B, Add	*4.91*	
		For Seal Class A, Add	*13.10*	
		For 28 Gauge, Deduct	*-0.90*	
		For 24 Gauge, Add	*0.89*	
		For 22 Gauge, Add	*1.78*	
		For 20 Gauge, Add	*2.68*	
		For 18 Gauge, Add	*3.56*	
		For 16 Gauge, Add	*4.37*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.79*	
		For Work In Restricted Working Space, Add	*9.83*	
		For Elevated Installation >10' To 15', Add	*3.28*	
		For Elevated Installation >15' To 20', Add	*6.55*	
		For Elevated Installation >20' To 25', Add	*8.19*	
		For Elevated Installation >25' To 30', Add	*11.46*	
		For Elevated Installation >30' To 35', Add	*13.10*	
		For Elevated Installation >35' To 40', Add	*16.38*	
		For Elevated Installation >40', Add	*18.01*	
23 31 13 16-0029	EA	6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	45.59	15.29
		For Seal Class B, Add	*5.73*	
		For Seal Class A, Add	*15.29*	
		For 28 Gauge, Deduct	*-1.02*	
		For 24 Gauge, Add	*1.02*	
		For 22 Gauge, Add	*2.03*	
		For 20 Gauge, Add	*3.05*	
		For 18 Gauge, Add	*4.05*	
		For 16 Gauge, Add	*4.97*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.45*	
		For Work In Restricted Working Space, Add	*11.47*	
		For Elevated Installation >10' To 15', Add	*3.82*	
		For Elevated Installation >15' To 20', Add	*7.64*	
		For Elevated Installation >20' To 25', Add	*9.56*	
		For Elevated Installation >25' To 30', Add	*13.38*	
		For Elevated Installation >30' To 35', Add	*15.29*	
		For Elevated Installation >35' To 40', Add	*19.11*	
		For Elevated Installation >40', Add	*21.02*	
23 31 13 16-0030	EA	7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	53.67	18.34
		For Seal Class B, Add	*6.88*	
		For Seal Class A, Add	*18.34*	
		For 28 Gauge, Deduct	*-1.08*	
		For 24 Gauge, Add	*1.08*	
		For 22 Gauge, Add	*2.15*	
		For 20 Gauge, Add	*3.23*	
		For 18 Gauge, Add	*4.30*	
		For 16 Gauge, Add	*5.27*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.78*	
		For Work In Restricted Working Space, Add	*13.76*	
		For Elevated Installation >10' To 15', Add	*4.59*	
		For Elevated Installation >15' To 20', Add	*9.17*	
		For Elevated Installation >20' To 25', Add	*11.47*	
		For Elevated Installation >25' To 30', Add	*16.05*	
		For Elevated Installation >30' To 35', Add	*18.34*	
		For Elevated Installation >35' To 40', Add	*22.93*	
		For Elevated Installation >40', Add	*25.22*	
23 31 13 16-0031	EA	8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	66.38	22.93
		For Seal Class B, Add	*8.60*	
		For Seal Class A, Add	*22.93*	
		For 28 Gauge, Deduct	*-1.25*	
		For 24 Gauge, Add	*1.25*	
		For 22 Gauge, Add	*2.50*	
		For 20 Gauge, Add	*3.75*	
		For 18 Gauge, Add	*4.98*	
		For 16 Gauge, Add	*6.12*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.70*	
		For Work In Restricted Working Space, Add	*17.20*	
		For Elevated Installation >10' To 15', Add	*5.73*	
		For Elevated Installation >15' To 20', Add	*11.46*	
		For Elevated Installation >20' To 25', Add	*14.33*	
		For Elevated Installation >25' To 30', Add	*20.06*	
		For Elevated Installation >30' To 35', Add	*22.93*	
		For Elevated Installation >35' To 40', Add	*28.66*	
		For Elevated Installation >40', Add	*31.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0032	EA	10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	89.37	30.57
		For Seal Class B, Add	*11.46*	
		For Seal Class A, Add	*30.57*	
		For 28 Gauge, Deduct	*-1.79*	
		For 24 Gauge, Add	*1.79*	
		For 22 Gauge, Add	*3.56*	
		For 20 Gauge, Add	*5.36*	
		For 18 Gauge, Add	*7.12*	
		For 16 Gauge, Add	*8.73*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*9.58*	
		For Work In Restricted Working Space, Add	*22.93*	
		For Elevated Installation >10' To 15', Add	*7.64*	
		For Elevated Installation >15' To 20', Add	*15.29*	
		For Elevated Installation >20' To 25', Add	*19.11*	
		For Elevated Installation >25' To 30', Add	*26.75*	
		For Elevated Installation >30' To 35', Add	*30.57*	
		For Elevated Installation >35' To 40', Add	*38.22*	
		For Elevated Installation >40', Add	*42.04*	
23 31 13 16-0033	EA	12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	131.78	45.86
		For Seal Class B, Add	*17.20*	
		For Seal Class A, Add	*45.86*	
		For 28 Gauge, Deduct	*-2.37*	
		For 24 Gauge, Add	*2.36*	
		For 22 Gauge, Add	*4.72*	
		For 20 Gauge, Add	*7.09*	
		For 18 Gauge, Add	*9.42*	
		For 16 Gauge, Add	*11.56*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*12.68*	
		For Work In Restricted Working Space, Add	*34.40*	
		For Elevated Installation >10' To 15', Add	*11.47*	
		For Elevated Installation >15' To 20', Add	*22.93*	
		For Elevated Installation >20' To 25', Add	*28.66*	
		For Elevated Installation >25' To 30', Add	*40.13*	
		For Elevated Installation >30' To 35', Add	*45.86*	
		For Elevated Installation >35' To 40', Add	*57.33*	
		For Elevated Installation >40', Add	*63.06*	
23 31 13 16-0034	EA	14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	178.55	58.60
		For Seal Class B, Add	*21.97*	
		For Seal Class A, Add	*58.60*	
		For 28 Gauge, Deduct	*-4.44*	
		For 24 Gauge, Add	*4.42*	
		For 22 Gauge, Add	*8.83*	
		For 20 Gauge, Add	*13.27*	
		For 18 Gauge, Add	*17.63*	
		For 16 Gauge, Add	*21.64*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*23.72*	
		For Work In Restricted Working Space, Add	*43.95*	
		For Elevated Installation >10' To 15', Add	*14.65*	
		For Elevated Installation >15' To 20', Add	*29.30*	
		For Elevated Installation >20' To 25', Add	*36.62*	
		For Elevated Installation >25' To 30', Add	*51.27*	
		For Elevated Installation >30' To 35', Add	*58.60*	
		For Elevated Installation >35' To 40', Add	*73.25*	
		For Elevated Installation >40', Add	*80.57*	
23 31 13 16-0035	EA	16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	223.94	73.88
		For Seal Class B, Add	*27.71*	
		For Seal Class A, Add	*73.88*	
		For 28 Gauge, Deduct	*-5.43*	
		For 24 Gauge, Add	*5.41*	
		For 22 Gauge, Add	*10.81*	
		For 20 Gauge, Add	*16.24*	
		For 18 Gauge, Add	*21.58*	
		For 16 Gauge, Add	*26.48*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*29.03*	
		For Work In Restricted Working Space, Add	*55.41*	
		For Elevated Installation >10' To 15', Add	*18.47*	
		For Elevated Installation >15' To 20', Add	*36.94*	
		For Elevated Installation >20' To 25', Add	*46.18*	
		For Elevated Installation >25' To 30', Add	*64.65*	
		For Elevated Installation >30' To 35', Add	*73.88*	
		For Elevated Installation >35' To 40', Add	*92.36*	
		For Elevated Installation >40', Add	*101.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0036	EA	18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	253.29	77.07
		For Seal Class B, Add	*28.85*	
		For Seal Class A, Add	*76.94*	
		For 28 Gauge, Deduct	*-8.44*	
		For 24 Gauge, Add	*8.41*	
		For 22 Gauge, Add	*16.79*	
		For 20 Gauge, Add	*25.23*	
		For 18 Gauge, Add	*33.52*	
		For 16 Gauge, Add	*41.13*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*45.10*	
		For Work In Restricted Working Space, Add	*57.71*	
		For Elevated Installation >10' To 15', Add	*19.24*	
		For Elevated Installation >15' To 20', Add	*38.47*	
		For Elevated Installation >20' To 25', Add	*48.09*	
		For Elevated Installation >25' To 30', Add	*67.32*	
		For Elevated Installation >30' To 35', Add	*76.94*	
		For Elevated Installation >35' To 40', Add	*96.18*	
		For Elevated Installation >40', Add	*105.79*	
23 31 13 16-0037	EA	20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	278.69	78.97
		For Seal Class B, Add	*29.62*	
		For Seal Class A, Add	*78.98*	
		For 28 Gauge, Deduct	*-11.25*	
		For 24 Gauge, Add	*11.21*	
		For 22 Gauge, Add	*22.38*	
		For 20 Gauge, Add	*33.64*	
		For 18 Gauge, Add	*44.69*	
		For 16 Gauge, Add	*54.84*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*60.13*	
		For Work In Restricted Working Space, Add	*59.23*	
		For Elevated Installation >10' To 15', Add	*19.74*	
		For Elevated Installation >15' To 20', Add	*39.49*	
		For Elevated Installation >20' To 25', Add	*49.36*	
		For Elevated Installation >25' To 30', Add	*69.10*	
		For Elevated Installation >30' To 35', Add	*78.98*	
		For Elevated Installation >35' To 40', Add	*98.72*	
		For Elevated Installation >40', Add	*108.59*	

23 31 13 16-0038 Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbows *(23 31 13 16-0001)*

23 31 13 16-0039	EA	4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	32.22	11.46
		For Seal Class B, Add	*4.30*	
		For Seal Class A, Add	*11.46*	
		For 28 Gauge, Deduct	*-0.49*	
		For 24 Gauge, Add	*0.49*	
		For 22 Gauge, Add	*0.98*	
		For 20 Gauge, Add	*1.47*	
		For 18 Gauge, Add	*1.96*	
		For 16 Gauge, Add	*2.40*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.63*	
		For Work In Restricted Working Space, Add	*8.60*	
		For Elevated Installation >10' To 15', Add	*2.87*	
		For Elevated Installation >15' To 20', Add	*5.73*	
		For Elevated Installation >20' To 25', Add	*7.17*	
		For Elevated Installation >25' To 30', Add	*10.03*	
		For Elevated Installation >30' To 35', Add	*11.46*	
		For Elevated Installation >35' To 40', Add	*14.33*	
		For Elevated Installation >40', Add	*15.76*	
23 31 13 16-0040	EA	5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	37.33	13.13
		For Seal Class B, Add	*4.91*	
		For Seal Class A, Add	*13.10*	
		For 28 Gauge, Deduct	*-0.63*	
		For 24 Gauge, Add	*0.63*	
		For 22 Gauge, Add	*1.26*	
		For 20 Gauge, Add	*1.90*	
		For 18 Gauge, Add	*2.52*	
		For 16 Gauge, Add	*3.09*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.39*	
		For Work In Restricted Working Space, Add	*9.83*	
		For Elevated Installation >10' To 15', Add	*3.28*	
		For Elevated Installation >15' To 20', Add	*6.55*	
		For Elevated Installation >20' To 25', Add	*8.19*	
		For Elevated Installation >25' To 30', Add	*11.46*	
		For Elevated Installation >30' To 35', Add	*13.10*	
		For Elevated Installation >35' To 40', Add	*16.38*	
		For Elevated Installation >40', Add	*18.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0041	EA	6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	43.22	15.29
		For Seal Class B, Add	*5.73*	
		For Seal Class A, Add	*15.29*	
		For 28 Gauge, Deduct	*-0.69*	
		For 24 Gauge, Add	*0.69*	
		For 22 Gauge, Add	*1.38*	
		For 20 Gauge, Add	*2.07*	
		For 18 Gauge, Add	*2.75*	
		For 16 Gauge, Add	*3.38*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.70*	
		For Work In Restricted Working Space, Add	*11.47*	
		For Elevated Installation >10' To 15', Add	*3.82*	
		For Elevated Installation >15' To 20', Add	*7.64*	
		For Elevated Installation >20' To 25', Add	*9.56*	
		For Elevated Installation >25' To 30', Add	*13.38*	
		For Elevated Installation >30' To 35', Add	*15.29*	
		For Elevated Installation >35' To 40', Add	*19.11*	
		For Elevated Installation >40', Add	*21.02*	
23 31 13 16-0042	EA	7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	51.66	18.34
		For Seal Class B, Add	*6.88*	
		For Seal Class A, Add	*18.34*	
		For 28 Gauge, Deduct	*-0.80*	
		For 24 Gauge, Add	*0.80*	
		For 22 Gauge, Add	*1.60*	
		For 20 Gauge, Add	*2.40*	
		For 18 Gauge, Add	*3.19*	
		For 16 Gauge, Add	*3.92*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.29*	
		For Work In Restricted Working Space, Add	*13.76*	
		For Elevated Installation >10' To 15', Add	*4.59*	
		For Elevated Installation >15' To 20', Add	*9.17*	
		For Elevated Installation >20' To 25', Add	*11.47*	
		For Elevated Installation >25' To 30', Add	*16.05*	
		For Elevated Installation >30' To 35', Add	*18.34*	
		For Elevated Installation >35' To 40', Add	*22.93*	
		For Elevated Installation >40', Add	*25.22*	
23 31 13 16-0043	EA	8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	63.91	22.93
		For Seal Class B, Add	*8.60*	
		For Seal Class A, Add	*22.93*	
		For 28 Gauge, Deduct	*-0.91*	
		For 24 Gauge, Add	*0.91*	
		For 22 Gauge, Add	*1.82*	
		For 20 Gauge, Add	*2.73*	
		For 18 Gauge, Add	*3.62*	
		For 16 Gauge, Add	*4.45*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.88*	
		For Work In Restricted Working Space, Add	*17.20*	
		For Elevated Installation >10' To 15', Add	*5.73*	
		For Elevated Installation >15' To 20', Add	*11.46*	
		For Elevated Installation >20' To 25', Add	*14.33*	
		For Elevated Installation >25' To 30', Add	*20.06*	
		For Elevated Installation >30' To 35', Add	*22.93*	
		For Elevated Installation >35' To 40', Add	*28.66*	
		For Elevated Installation >40', Add	*31.53*	
23 31 13 16-0044	EA	10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	86.49	30.57
		For Seal Class B, Add	*11.46*	
		For Seal Class A, Add	*30.57*	
		For 28 Gauge, Deduct	*-1.39*	
		For 24 Gauge, Add	*1.39*	
		For 22 Gauge, Add	*2.77*	
		For 20 Gauge, Add	*4.16*	
		For 18 Gauge, Add	*5.53*	
		For 16 Gauge, Add	*6.79*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.44*	
		For Work In Restricted Working Space, Add	*22.93*	
		For Elevated Installation >10' To 15', Add	*7.64*	
		For Elevated Installation >15' To 20', Add	*15.29*	
		For Elevated Installation >20' To 25', Add	*19.11*	
		For Elevated Installation >25' To 30', Add	*26.75*	
		For Elevated Installation >30' To 35', Add	*30.57*	
		For Elevated Installation >35' To 40', Add	*38.22*	
		For Elevated Installation >40', Add	*42.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0045	EA	12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	127.59	45.86
		For Seal Class B, Add	*17.20*	
		For Seal Class A, Add	*45.86*	
		For 28 Gauge, Deduct	*-1.79*	
		For 24 Gauge, Add	*1.79*	
		For 22 Gauge, Add	*3.56*	
		For 20 Gauge, Add	*5.36*	
		For 18 Gauge, Add	*7.12*	
		For 16 Gauge, Add	*8.73*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*9.58*	
		For Work In Restricted Working Space, Add	*34.40*	
		For Elevated Installation >10' To 15', Add	*11.47*	
		For Elevated Installation >15' To 20', Add	*22.93*	
		For Elevated Installation >20' To 25', Add	*28.66*	
		For Elevated Installation >25' To 30', Add	*40.13*	
		For Elevated Installation >30' To 35', Add	*45.86*	
		For Elevated Installation >35' To 40', Add	*57.33*	
		For Elevated Installation >40', Add	*63.06*	
23 31 13 16-0046	EA	14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	168.89	58.60
		For Seal Class B, Add	*21.97*	
		For Seal Class A, Add	*58.60*	
		For 28 Gauge, Deduct	*-3.10*	
		For 24 Gauge, Add	*3.09*	
		For 22 Gauge, Add	*6.17*	
		For 20 Gauge, Add	*9.27*	
		For 18 Gauge, Add	*12.32*	
		For 16 Gauge, Add	*15.12*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*16.58*	
		For Work In Restricted Working Space, Add	*43.95*	
		For Elevated Installation >10' To 15', Add	*14.65*	
		For Elevated Installation >15' To 20', Add	*29.30*	
		For Elevated Installation >20' To 25', Add	*36.62*	
		For Elevated Installation >25' To 30', Add	*51.27*	
		For Elevated Installation >30' To 35', Add	*58.60*	
		For Elevated Installation >35' To 40', Add	*73.25*	
		For Elevated Installation >40', Add	*80.57*	
23 31 13 16-0047	EA	16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	221.45	73.88
		For Seal Class B, Add	*27.71*	
		For Seal Class A, Add	*73.88*	
		For 28 Gauge, Deduct	*-5.09*	
		For 24 Gauge, Add	*5.07*	
		For 22 Gauge, Add	*10.12*	
		For 20 Gauge, Add	*15.21*	
		For 18 Gauge, Add	*20.21*	
		For 16 Gauge, Add	*24.80*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*27.19*	
		For Work In Restricted Working Space, Add	*55.41*	
		For Elevated Installation >10' To 15', Add	*18.47*	
		For Elevated Installation >15' To 20', Add	*36.94*	
		For Elevated Installation >20' To 25', Add	*46.18*	
		For Elevated Installation >25' To 30', Add	*64.65*	
		For Elevated Installation >30' To 35', Add	*73.88*	
		For Elevated Installation >35' To 40', Add	*92.36*	
		For Elevated Installation >40', Add	*101.59*	
23 31 13 16-0048	EA	18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	236.76	77.07
		For Seal Class B, Add	*28.85*	
		For Seal Class A, Add	*76.94*	
		For 28 Gauge, Deduct	*-6.15*	
		For 24 Gauge, Add	*6.13*	
		For 22 Gauge, Add	*12.23*	
		For 20 Gauge, Add	*18.39*	
		For 18 Gauge, Add	*24.43*	
		For 16 Gauge, Add	*29.98*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*32.86*	
		For Work In Restricted Working Space, Add	*57.71*	
		For Elevated Installation >10' To 15', Add	*19.24*	
		For Elevated Installation >15' To 20', Add	*38.47*	
		For Elevated Installation >20' To 25', Add	*48.09*	
		For Elevated Installation >25' To 30', Add	*67.32*	
		For Elevated Installation >30' To 35', Add	*76.94*	
		For Elevated Installation >35' To 40', Add	*96.18*	
		For Elevated Installation >40', Add	*105.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0049	EA	20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	254.33	78.97
		For Seal Class B, Add	*29.62*	
		For Seal Class A, Add	*78.98*	
		For 28 Gauge, Deduct	*-7.88*	
		For 24 Gauge, Add	*7.85*	
		For 22 Gauge, Add	*15.67*	
		For 20 Gauge, Add	*23.55*	
		For 18 Gauge, Add	*31.29*	
		For 16 Gauge, Add	*38.40*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*42.10*	
		For Work In Restricted Working Space, Add	*59.23*	
		For Elevated Installation >10' To 15', Add	*19.74*	
		For Elevated Installation >15' To 20', Add	*39.49*	
		For Elevated Installation >20' To 25', Add	*49.36*	
		For Elevated Installation >25' To 30', Add	*69.10*	
		For Elevated Installation >30' To 35', Add	*78.98*	
		For Elevated Installation >35' To 40', Add	*98.72*	
		For Elevated Installation >40', Add	*108.59*	

23 31 13 16-0050 Galvanized Sheet Metal Round And Flat-Oval Tees *(23 31 13 16-0001)*

23 31 13 16-0051	EA	4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	50.94	17.19
		For Seal Class B, Add	*6.45*	
		For Seal Class A, Add	*17.20*	
		For 28 Gauge, Deduct	*-1.10*	
		For 24 Gauge, Add	*1.10*	
		For 22 Gauge, Add	*2.19*	
		For 20 Gauge, Add	*3.29*	
		For 18 Gauge, Add	*4.37*	
		For 16 Gauge, Add	*5.37*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.88*	
		For Work In Restricted Working Space, Add	*12.90*	
		For Elevated Installation >10' To 15', Add	*4.30*	
		For Elevated Installation >15' To 20', Add	*8.60*	
		For Elevated Installation >20' To 25', Add	*10.75*	
		For Elevated Installation >25' To 30', Add	*15.05*	
		For Elevated Installation >30' To 35', Add	*17.20*	
		For Elevated Installation >35' To 40', Add	*21.50*	
		For Elevated Installation >40', Add	*23.64*	
23 31 13 16-0052	EA	5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	59.69	19.62
		For Seal Class B, Add	*7.37*	
		For Seal Class A, Add	*19.66*	
		For 28 Gauge, Deduct	*-1.46*	
		For 24 Gauge, Add	*1.46*	
		For 22 Gauge, Add	*2.91*	
		For 20 Gauge, Add	*4.37*	
		For 18 Gauge, Add	*5.80*	
		For 16 Gauge, Add	*7.12*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.81*	
		For Work In Restricted Working Space, Add	*14.74*	
		For Elevated Installation >10' To 15', Add	*4.91*	
		For Elevated Installation >15' To 20', Add	*9.83*	
		For Elevated Installation >20' To 25', Add	*12.29*	
		For Elevated Installation >25' To 30', Add	*17.20*	
		For Elevated Installation >30' To 35', Add	*19.66*	
		For Elevated Installation >35' To 40', Add	*24.57*	
		For Elevated Installation >40', Add	*27.03*	
23 31 13 16-0053	EA	6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	68.77	22.93
		For Seal Class B, Add	*8.60*	
		For Seal Class A, Add	*22.93*	
		For 28 Gauge, Deduct	*-1.59*	
		For 24 Gauge, Add	*1.58*	
		For 22 Gauge, Add	*3.15*	
		For 20 Gauge, Add	*4.74*	
		For 18 Gauge, Add	*6.30*	
		For 16 Gauge, Add	*7.73*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*8.47*	
		For Work In Restricted Working Space, Add	*17.20*	
		For Elevated Installation >10' To 15', Add	*5.73*	
		For Elevated Installation >15' To 20', Add	*11.46*	
		For Elevated Installation >20' To 25', Add	*14.33*	
		For Elevated Installation >25' To 30', Add	*20.06*	
		For Elevated Installation >30' To 35', Add	*22.93*	
		For Elevated Installation >35' To 40', Add	*28.66*	
		For Elevated Installation >40', Add	*31.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0054	EA	7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	81.96	27.52
		For Seal Class B, Add	*10.32*	
		For Seal Class A, Add	*27.51*	
		For 28 Gauge, Deduct	*-1.83*	
		For 24 Gauge, Add	*1.82*	
		For 22 Gauge, Add	*3.63*	
		For 20 Gauge, Add	*5.46*	
		For 18 Gauge, Add	*7.25*	
		For 16 Gauge, Add	*8.90*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*9.75*	
		For Work In Restricted Working Space, Add	*20.63*	
		For Elevated Installation >10' To 15', Add	*6.88*	
		For Elevated Installation >15' To 20', Add	*13.76*	
		For Elevated Installation >20' To 25', Add	*17.20*	
		For Elevated Installation >25' To 30', Add	*24.07*	
		For Elevated Installation >30' To 35', Add	*27.51*	
		For Elevated Installation >35' To 40', Add	*34.39*	
		For Elevated Installation >40', Add	*37.83*	
23 31 13 16-0055	EA	8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	107.30	34.39
		For Seal Class B, Add	*12.90*	
		For Seal Class A, Add	*34.40*	
		For 28 Gauge, Deduct	*-2.95*	
		For 24 Gauge, Add	*2.94*	
		For 22 Gauge, Add	*5.87*	
		For 20 Gauge, Add	*8.82*	
		For 18 Gauge, Add	*11.72*	
		For 16 Gauge, Add	*14.38*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*15.77*	
		For Work In Restricted Working Space, Add	*25.80*	
		For Elevated Installation >10' To 15', Add	*8.60*	
		For Elevated Installation >15' To 20', Add	*17.20*	
		For Elevated Installation >20' To 25', Add	*21.50*	
		For Elevated Installation >25' To 30', Add	*30.10*	
		For Elevated Installation >30' To 35', Add	*34.40*	
		For Elevated Installation >35' To 40', Add	*43.00*	
		For Elevated Installation >40', Add	*47.29*	
23 31 13 16-0056	EA	10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	141.83	45.86
		For Seal Class B, Add	*17.20*	
		For Seal Class A, Add	*45.86*	
		For 28 Gauge, Deduct	*-3.76*	
		For 24 Gauge, Add	*3.75*	
		For 22 Gauge, Add	*7.49*	
		For 20 Gauge, Add	*11.25*	
		For 18 Gauge, Add	*14.95*	
		For 16 Gauge, Add	*18.35*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*20.11*	
		For Work In Restricted Working Space, Add	*34.40*	
		For Elevated Installation >10' To 15', Add	*11.47*	
		For Elevated Installation >15' To 20', Add	*22.93*	
		For Elevated Installation >20' To 25', Add	*28.66*	
		For Elevated Installation >25' To 30', Add	*40.13*	
		For Elevated Installation >30' To 35', Add	*45.86*	
		For Elevated Installation >35' To 40', Add	*57.33*	
		For Elevated Installation >40', Add	*63.06*	
23 31 13 16-0057	EA	12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	199.11	68.79
		For Seal Class B, Add	*25.79*	
		For Seal Class A, Add	*68.77*	
		For 28 Gauge, Deduct	*-3.76*	
		For 24 Gauge, Add	*3.75*	
		For 22 Gauge, Add	*7.49*	
		For 20 Gauge, Add	*11.25*	
		For 18 Gauge, Add	*14.95*	
		For 16 Gauge, Add	*18.35*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*20.11*	
		For Work In Restricted Working Space, Add	*51.58*	
		For Elevated Installation >10' To 15', Add	*17.19*	
		For Elevated Installation >15' To 20', Add	*34.39*	
		For Elevated Installation >20' To 25', Add	*42.98*	
		For Elevated Installation >25' To 30', Add	*60.18*	
		For Elevated Installation >30' To 35', Add	*68.77*	
		For Elevated Installation >35' To 40', Add	*85.97*	
		For Elevated Installation >40', Add	*94.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0058	EA	14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	271.41	87.64
		For Seal Class B, Add	*32.94*	
		For Seal Class A, Add	*87.85*	
		For 28 Gauge, Deduct	*-7.17*	
		For 24 Gauge, Add	*7.15*	
		For 22 Gauge, Add	*14.27*	
		For 20 Gauge, Add	*21.44*	
		For 18 Gauge, Add	*28.48*	
		For 16 Gauge, Add	*34.95*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*38.32*	
		For Work In Restricted Working Space, Add	*65.89*	
		For Elevated Installation >10' To 15', Add	*21.96*	
		For Elevated Installation >15' To 20', Add	*43.93*	
		For Elevated Installation >20' To 25', Add	*54.91*	
		For Elevated Installation >25' To 30', Add	*76.87*	
		For Elevated Installation >30' To 35', Add	*87.85*	
		For Elevated Installation >35' To 40', Add	*109.82*	
		For Elevated Installation >40', Add	*120.80*	
23 31 13 16-0059	EA	16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	349.61	111.08
		For Seal Class B, Add	*41.54*	
		For Seal Class A, Add	*110.77*	
		For 28 Gauge, Deduct	*-10.07*	
		For 24 Gauge, Add	*10.03*	
		For 22 Gauge, Add	*20.03*	
		For 20 Gauge, Add	*30.09*	
		For 18 Gauge, Add	*39.98*	
		For 16 Gauge, Add	*49.07*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*53.79*	
		For Work In Restricted Working Space, Add	*83.08*	
		For Elevated Installation >10' To 15', Add	*27.69*	
		For Elevated Installation >15' To 20', Add	*55.38*	
		For Elevated Installation >20' To 25', Add	*69.23*	
		For Elevated Installation >25' To 30', Add	*96.92*	
		For Elevated Installation >30' To 35', Add	*110.77*	
		For Elevated Installation >35' To 40', Add	*138.46*	
		For Elevated Installation >40', Add	*152.31*	
23 31 13 16-0060	EA	18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	402.14	123.56
		For Seal Class B, Add	*46.43*	
		For Seal Class A, Add	*123.82*	
		For 28 Gauge, Deduct	*-12.83*	
		For 24 Gauge, Add	*12.78*	
		For 22 Gauge, Add	*25.51*	
		For 20 Gauge, Add	*38.34*	
		For 18 Gauge, Add	*50.93*	
		For 16 Gauge, Add	*62.51*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*68.52*	
		For Work In Restricted Working Space, Add	*92.86*	
		For Elevated Installation >10' To 15', Add	*30.95*	
		For Elevated Installation >15' To 20', Add	*61.91*	
		For Elevated Installation >20' To 25', Add	*77.39*	
		For Elevated Installation >25' To 30', Add	*108.34*	
		For Elevated Installation >30' To 35', Add	*123.82*	
		For Elevated Installation >35' To 40', Add	*154.77*	
		For Elevated Installation >40', Add	*170.25*	
23 31 13 16-0061	EA	20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	422.49	128.02
		For Seal Class B, Add	*47.96*	
		For Seal Class A, Add	*127.89*	
		For 28 Gauge, Deduct	*-14.23*	
		For 24 Gauge, Add	*14.18*	
		For 22 Gauge, Add	*28.31*	
		For 20 Gauge, Add	*42.54*	
		For 18 Gauge, Add	*56.52*	
		For 16 Gauge, Add	*69.36*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*76.04*	
		For Work In Restricted Working Space, Add	*95.92*	
		For Elevated Installation >10' To 15', Add	*31.97*	
		For Elevated Installation >15' To 20', Add	*63.95*	
		For Elevated Installation >20' To 25', Add	*79.93*	
		For Elevated Installation >25' To 30', Add	*111.91*	
		For Elevated Installation >30' To 35', Add	*127.89*	
		For Elevated Installation >35' To 40', Add	*159.87*	
		For Elevated Installation >40', Add	*175.85*	

23 31 13 16-0062 Galvanized Sheet Metal Round And Flat-Oval Connectors *(23 31 13 16-0001)*

23 31 13 16-0063	EA	4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	23.05	
		For Seal Class B, Add	*3.06*	
		For Seal Class A, Add	*8.15*	
		For Work In Restricted Working Space, Add	*6.11*	
		For Elevated Installation >10' To 15', Add	*2.04*	
		For Elevated Installation >15' To 20', Add	*4.08*	
		For Elevated Installation >20' To 25', Add	*5.10*	
		For Elevated Installation >25' To 30', Add	*7.13*	
		For Elevated Installation >30' To 35', Add	*8.15*	
		For Elevated Installation >35' To 40', Add	*10.19*	
		For Elevated Installation >40', Add	*11.21*	

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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0064	EA	5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	24.29	
		For Seal Class B, Add	*3.21*	
		For Seal Class A, Add	*8.57*	
		For Work In Restricted Working Space, Add	*6.43*	
		For Elevated Installation >10' To 15', Add	*2.14*	
		For Elevated Installation >15' To 20', Add	*4.28*	
		For Elevated Installation >20' To 25', Add	*5.36*	
		For Elevated Installation >25' To 30', Add	*7.50*	
		For Elevated Installation >30' To 35', Add	*8.57*	
		For Elevated Installation >35' To 40', Add	*10.71*	
		For Elevated Installation >40', Add	*11.78*	
23 31 13 16-0065	EA	6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	26.02	
		For Seal Class B, Add	*3.44*	
		For Seal Class A, Add	*9.17*	
		For Work In Restricted Working Space, Add	*6.88*	
		For Elevated Installation >10' To 15', Add	*2.29*	
		For Elevated Installation >15' To 20', Add	*4.59*	
		For Elevated Installation >20' To 25', Add	*5.73*	
		For Elevated Installation >25' To 30', Add	*8.03*	
		For Elevated Installation >30' To 35', Add	*9.17*	
		For Elevated Installation >35' To 40', Add	*11.47*	
		For Elevated Installation >40', Add	*12.61*	
23 31 13 16-0066	EA	7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	27.73	
		For Seal Class B, Add	*3.63*	
		For Seal Class A, Add	*9.68*	
		For Work In Restricted Working Space, Add	*7.26*	
		For Elevated Installation >10' To 15', Add	*2.42*	
		For Elevated Installation >15' To 20', Add	*4.84*	
		For Elevated Installation >20' To 25', Add	*6.05*	
		For Elevated Installation >25' To 30', Add	*8.47*	
		For Elevated Installation >30' To 35', Add	*9.68*	
		For Elevated Installation >35' To 40', Add	*12.11*	
		For Elevated Installation >40', Add	*13.32*	
23 31 13 16-0067	EA	8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	30.09	
		For Seal Class B, Add	*3.92*	
		For Seal Class A, Add	*10.44*	
		For Work In Restricted Working Space, Add	*7.83*	
		For Elevated Installation >10' To 15', Add	*2.61*	
		For Elevated Installation >15' To 20', Add	*5.22*	
		For Elevated Installation >20' To 25', Add	*6.53*	
		For Elevated Installation >25' To 30', Add	*9.14*	
		For Elevated Installation >30' To 35', Add	*10.44*	
		For Elevated Installation >35' To 40', Add	*13.06*	
		For Elevated Installation >40', Add	*14.36*	
23 31 13 16-0068	EA	10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	35.44	
		For Seal Class B, Add	*4.38*	
		For Seal Class A, Add	*11.67*	
		For Work In Restricted Working Space, Add	*8.75*	
		For Elevated Installation >10' To 15', Add	*2.92*	
		For Elevated Installation >15' To 20', Add	*5.83*	
		For Elevated Installation >20' To 25', Add	*7.29*	
		For Elevated Installation >25' To 30', Add	*10.21*	
		For Elevated Installation >30' To 35', Add	*11.67*	
		For Elevated Installation >35' To 40', Add	*14.59*	
		For Elevated Installation >40', Add	*16.04*	
23 31 13 16-0069	EA	12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	48.34	
		For Seal Class B, Add	*6.12*	
		For Seal Class A, Add	*16.31*	
		For Work In Restricted Working Space, Add	*12.23*	
		For Elevated Installation >10' To 15', Add	*4.08*	
		For Elevated Installation >15' To 20', Add	*8.15*	
		For Elevated Installation >20' To 25', Add	*10.19*	
		For Elevated Installation >25' To 30', Add	*14.27*	
		For Elevated Installation >30' To 35', Add	*16.31*	
		For Elevated Installation >35' To 40', Add	*20.39*	
		For Elevated Installation >40', Add	*22.42*	
23 31 13 16-0070	EA	14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	55.18	
		For Seal Class B, Add	*6.96*	
		For Seal Class A, Add	*18.55*	
		For Work In Restricted Working Space, Add	*13.91*	
		For Elevated Installation >10' To 15', Add	*4.64*	
		For Elevated Installation >15' To 20', Add	*9.28*	
		For Elevated Installation >20' To 25', Add	*11.60*	
		For Elevated Installation >25' To 30', Add	*16.23*	
		For Elevated Installation >30' To 35', Add	*18.55*	
		For Elevated Installation >35' To 40', Add	*23.19*	
		For Elevated Installation >40', Add	*25.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0071	EA	16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	60.69	
		For Seal Class B, Add	*7.62*	
		For Seal Class A, Add	*20.33*	
		For Work In Restricted Working Space, Add	*15.25*	
		For Elevated Installation >10' To 15', Add	*5.08*	
		For Elevated Installation >15' To 20', Add	*10.17*	
		For Elevated Installation >20' To 25', Add	*12.71*	
		For Elevated Installation >25' To 30', Add	*17.79*	
		For Elevated Installation >30' To 35', Add	*20.33*	
		For Elevated Installation >35' To 40', Add	*25.42*	
		For Elevated Installation >40', Add	*27.96*	
23 31 13 16-0072	EA	18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	66.04	
		For Seal Class B, Add	*8.25*	
		For Seal Class A, Add	*22.01*	
		For Work In Restricted Working Space, Add	*16.51*	
		For Elevated Installation >10' To 15', Add	*5.50*	
		For Elevated Installation >15' To 20', Add	*11.01*	
		For Elevated Installation >20' To 25', Add	*13.76*	
		For Elevated Installation >25' To 30', Add	*19.26*	
		For Elevated Installation >30' To 35', Add	*22.01*	
		For Elevated Installation >35' To 40', Add	*27.52*	
		For Elevated Installation >40', Add	*30.27*	
23 31 13 16-0073	EA	20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	71.95	
		For Seal Class B, Add	*9.00*	
		For Seal Class A, Add	*24.00*	
		For Work In Restricted Working Space, Add	*18.00*	
		For Elevated Installation >10' To 15', Add	*6.00*	
		For Elevated Installation >15' To 20', Add	*12.00*	
		For Elevated Installation >20' To 25', Add	*15.00*	
		For Elevated Installation >25' To 30', Add	*21.00*	
		For Elevated Installation >30' To 35', Add	*24.00*	
		For Elevated Installation >35' To 40', Add	*30.00*	
		For Elevated Installation >40', Add	*33.00*	

23 31 13 16-0074 Slip Joint, Galvanized, Spiral Duct And Fittings *(23 31 13 16)*

23 31 13 16-0075 Slip Joint, Galvanized, Spiral Duct *(23 31 13 16-0074)*

23 31 13 16-0076	LF	4" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	10.02	1.18
		For Seal Class B, Add	*0.95*	
		For Seal Class A, Add	*2.52*	
		For Up To 20', Add	*1.12*	
		For >20' To 50', Add	*0.45*	
		For >200' To 500', Deduct	*-0.28*	
		For >500', Deduct	*-0.47*	
		For 24 Gauge, Add	*0.74*	
		For 22 Gauge, Add	*1.71*	
		For 20 Gauge, Add	*2.79*	
		For 18 Gauge, Add	*4.28*	
		For 16 Gauge, Add	*5.21*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.75*	
		For Work In Restricted Working Space, Add	*1.89*	
23 31 13 16-0077	LF	6" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	12.94	2.35
		For Seal Class B, Add	*1.13*	
		For Seal Class A, Add	*3.02*	
		For Up To 20', Add	*1.61*	
		For >20' To 50', Add	*0.65*	
		For >200' To 500', Deduct	*-0.40*	
		For >500', Deduct	*-0.67*	
		For 24 Gauge, Add	*1.08*	
		For 22 Gauge, Add	*2.47*	
		For 20 Gauge, Add	*4.04*	
		For 18 Gauge, Add	*6.19*	
		For 16 Gauge, Add	*7.53*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.98*	
		For Work In Restricted Working Space, Add	*2.27*	
23 31 13 16-0078	LF	8" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	16.45	2.35
		For Seal Class B, Add	*1.41*	
		For Seal Class A, Add	*3.75*	
		For Up To 20', Add	*2.12*	
		For >20' To 50', Add	*0.85*	
		For >200' To 500', Deduct	*-0.53*	
		For >500', Deduct	*-0.89*	
		For 24 Gauge, Add	*1.42*	
		For 22 Gauge, Add	*3.26*	
		For 20 Gauge, Add	*5.31*	
		For 18 Gauge, Add	*8.14*	
		For 16 Gauge, Add	*9.91*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.24*	
		For Work In Restricted Working Space, Add	*2.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0079	LF	10" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	20.01	2.35
		For Seal Class B, Add	*1.69*	
		For Seal Class A, Add	*4.50*	
		For Up To 20', Add	*2.63*	
		For >20' To 50', Add	*1.05*	
		For >200' To 500', Deduct	*-0.66*	
		For >500', Deduct	*-1.09*	
		For 24 Gauge, Add	*1.75*	
		For 22 Gauge, Add	*4.03*	
		For 20 Gauge, Add	*6.56*	
		For 18 Gauge, Add	*10.06*	
		For 16 Gauge, Add	*12.25*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.48*	
		For Work In Restricted Working Space, Add	*3.38*	
23 31 13 16-0080	LF	12" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	24.86	3.52
		For Seal Class B, Add	*2.12*	
		For Seal Class A, Add	*5.64*	
		For Up To 20', Add	*3.23*	
		For >20' To 50', Add	*1.29*	
		For >200' To 500', Deduct	*-0.81*	
		For >500', Deduct	*-1.35*	
		For 24 Gauge, Add	*2.15*	
		For 22 Gauge, Add	*4.95*	
		For 20 Gauge, Add	*8.07*	
		For 18 Gauge, Add	*12.37*	
		For 16 Gauge, Add	*15.06*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.96*	
		For Work In Restricted Working Space, Add	*4.23*	
23 31 13 16-0081	LF	14" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	30.09	3.52
		For Seal Class B, Add	*2.64*	
		For Seal Class A, Add	*7.05*	
		For Up To 20', Add	*3.74*	
		For >20' To 50', Add	*1.50*	
		For >200' To 500', Deduct	*-0.93*	
		For >500', Deduct	*-1.56*	
		For 24 Gauge, Add	*2.49*	
		For 22 Gauge, Add	*5.73*	
		For 20 Gauge, Add	*9.35*	
		For 18 Gauge, Add	*14.33*	
		For 16 Gauge, Add	*17.44*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*9.22*	
		For Work In Restricted Working Space, Add	*5.29*	
23 31 13 16-0082	LF	16" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	41.58	3.52
		For Seal Class B, Add	*3.52*	
		For Seal Class A, Add	*9.39*	
		For Up To 20', Add	*5.43*	
		For >20' To 50', Add	*2.17*	
		For >200' To 500', Deduct	*-1.36*	
		For >500', Deduct	*-2.26*	
		For 24 Gauge, Add	*3.62*	
		For 22 Gauge, Add	*8.33*	
		For 20 Gauge, Add	*13.58*	
		For 18 Gauge, Add	*20.82*	
		For 16 Gauge, Add	*25.34*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*13.39*	
		For Work In Restricted Working Space, Add	*7.04*	
23 31 13 16-0083	LF	18" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	47.43	4.70
		For Seal Class B, Add	*4.10*	
		For Seal Class A, Add	*10.94*	
		For Up To 20', Add	*6.02*	
		For >20' To 50', Add	*2.41*	
		For >200' To 500', Deduct	*-1.51*	
		For >500', Deduct	*-2.51*	
		For 24 Gauge, Add	*4.01*	
		For 22 Gauge, Add	*9.23*	
		For 20 Gauge, Add	*15.05*	
		For 18 Gauge, Add	*23.08*	
		For 16 Gauge, Add	*28.10*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*14.85*	
		For Work In Restricted Working Space, Add	*8.21*	
23 31 13 16-0084	LF	20" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	53.46	4.70
		For Seal Class B, Add	*4.66*	
		For Seal Class A, Add	*12.43*	
		For Up To 20', Add	*6.72*	
		For >20' To 50', Add	*2.69*	
		For >200' To 500', Deduct	*-1.68*	
		For >500', Deduct	*-2.80*	
		For 24 Gauge, Add	*4.48*	
		For 22 Gauge, Add	*10.30*	
		For 20 Gauge, Add	*16.79*	
		For 18 Gauge, Add	*25.75*	
		For 16 Gauge, Add	*31.35*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*16.57*	
		For Work In Restricted Working Space, Add	*9.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0085	LF	22" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	59.75	5.88
		For Seal Class B, Add	*5.25*	
		For Seal Class A, Add	*14.00*	
		For Up To 20', Add	*7.43*	
		For >20' To 50', Add	*2.97*	
		For >200' To 500', Deduct	*-1.86*	
		For >500', Deduct	*-3.09*	
		For 24 Gauge, Add	*4.95*	
		For 22 Gauge, Add	*11.39*	
		For 20 Gauge, Add	*18.56*	
		For 18 Gauge, Add	*28.46*	
		For 16 Gauge, Add	*34.65*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*18.32*	
		For Work In Restricted Working Space, Add	*10.50*	
23 31 13 16-0086	LF	24" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	66.06	7.05
		For Seal Class B, Add	*5.88*	
		For Seal Class A, Add	*15.67*	
		For Up To 20', Add	*8.07*	
		For >20' To 50', Add	*3.23*	
		For >200' To 500', Deduct	*-2.02*	
		For >500', Deduct	*-3.36*	
		For 24 Gauge, Add	*5.38*	
		For 22 Gauge, Add	*12.37*	
		For 20 Gauge, Add	*20.17*	
		For 18 Gauge, Add	*30.92*	
		For 16 Gauge, Add	*37.65*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*19.90*	
		For Work In Restricted Working Space, Add	*11.75*	

23 31 13 16-0087 Slip Joint, Galvanized, Spiral 90 Degree Elbows *(23 31 13 16-0074)*

23 31 13 16-0088	EA	4" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	78.00	16.45
		For Seal Class B, Add	*9.53*	
		For Seal Class A, Add	*25.41*	
		For 24 Gauge, Add	*2.90*	
		For 22 Gauge, Add	*6.66*	
		For 20 Gauge, Add	*10.86*	
		For 18 Gauge, Add	*16.65*	
		For 16 Gauge, Add	*20.27*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*10.72*	
		For Work In Restricted Working Space, Add	*19.06*	
23 31 13 16-0089	EA	6" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	114.57	23.50
		For Seal Class B, Add	*14.10*	
		For Seal Class A, Add	*37.61*	
		For 24 Gauge, Add	*4.11*	
		For 22 Gauge, Add	*9.45*	
		For 20 Gauge, Add	*15.41*	
		For 18 Gauge, Add	*23.63*	
		For 16 Gauge, Add	*28.77*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*15.21*	
		For Work In Restricted Working Space, Add	*28.21*	
23 31 13 16-0090	EA	8" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	162.92	30.56
		For Seal Class B, Add	*18.56*	
		For Seal Class A, Add	*49.49*	
		For 24 Gauge, Add	*7.84*	
		For 22 Gauge, Add	*18.03*	
		For 20 Gauge, Add	*29.40*	
		For 18 Gauge, Add	*45.08*	
		For 16 Gauge, Add	*54.88*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*29.01*	
		For Work In Restricted Working Space, Add	*37.12*	
23 31 13 16-0091	EA	10" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	202.85	38.79
		For Seal Class B, Add	*23.51*	
		For Seal Class A, Add	*62.68*	
		For 24 Gauge, Add	*9.23*	
		For 22 Gauge, Add	*21.23*	
		For 20 Gauge, Add	*34.61*	
		For 18 Gauge, Add	*53.07*	
		For 16 Gauge, Add	*64.61*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*34.15*	
		For Work In Restricted Working Space, Add	*47.01*	
23 31 13 16-0092	EA	12" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	250.06	49.36
		For Seal Class B, Add	*29.38*	
		For Seal Class A, Add	*78.35*	
		For 24 Gauge, Add	*10.84*	
		For 22 Gauge, Add	*24.92*	
		For 20 Gauge, Add	*40.64*	
		For 18 Gauge, Add	*62.31*	
		For 16 Gauge, Add	*75.85*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*40.09*	
		For Work In Restricted Working Space, Add	*58.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0093	EA	14" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	274.00	54.06
		For Seal Class B, Add	*32.05*	
		For Seal Class A, Add	*85.47*	
		For 24 Gauge, Add	*12.06*	
		For 22 Gauge, Add	*27.75*	
		For 20 Gauge, Add	*45.24*	
		For 18 Gauge, Add	*69.37*	
		For 16 Gauge, Add	*84.45*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*44.64*	
		For Work In Restricted Working Space, Add	*64.10*	
23 31 13 16-0094	EA	16" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	323.34	63.46
		For Seal Class B, Add	*37.91*	
		For Seal Class A, Add	*101.10*	
		For 24 Gauge, Add	*14.12*	
		For 22 Gauge, Add	*32.47*	
		For 20 Gauge, Add	*52.94*	
		For 18 Gauge, Add	*81.18*	
		For 16 Gauge, Add	*98.83*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*52.24*	
		For Work In Restricted Working Space, Add	*75.83*	
23 31 13 16-0095	EA	18" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	394.63	78.74
		For Seal Class B, Add	*47.01*	
		For Seal Class A, Add	*125.36*	
		For 24 Gauge, Add	*16.25*	
		For 22 Gauge, Add	*37.37*	
		For 20 Gauge, Add	*60.92*	
		For 18 Gauge, Add	*93.41*	
		For 16 Gauge, Add	*113.72*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*60.11*	
		For Work In Restricted Working Space, Add	*94.02*	
23 31 13 16-0096	EA	20" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	475.01	95.20
		For Seal Class B, Add	*56.87*	
		For Seal Class A, Add	*151.65*	
		For 24 Gauge, Add	*19.18*	
		For 22 Gauge, Add	*44.11*	
		For 20 Gauge, Add	*71.92*	
		For 18 Gauge, Add	*110.27*	
		For 16 Gauge, Add	*134.25*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*70.96*	
		For Work In Restricted Working Space, Add	*113.74*	
23 31 13 16-0097	EA	22" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	552.32	110.48
		For Seal Class B, Add	*66.53*	
		For Seal Class A, Add	*177.40*	
		For 24 Gauge, Add	*21.76*	
		For 22 Gauge, Add	*50.06*	
		For 20 Gauge, Add	*81.62*	
		For 18 Gauge, Add	*125.14*	
		For 16 Gauge, Add	*152.35*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*80.53*	
		For Work In Restricted Working Space, Add	*133.05*	
23 31 13 16-0098	EA	24" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	634.42	125.75
		For Seal Class B, Add	*75.02*	
		For Seal Class A, Add	*200.05*	
		For 24 Gauge, Add	*26.86*	
		For 22 Gauge, Add	*61.78*	
		For 20 Gauge, Add	*100.73*	
		For 18 Gauge, Add	*154.45*	
		For 16 Gauge, Add	*188.02*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*99.38*	
		For Work In Restricted Working Space, Add	*150.04*	

23 31 13 16-0099 Slip Joint, Galvanized, Spiral Duct 45 Degree Elbows *(23 31 13 16-0074)*

23 31 13 16-0100	EA	4" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	78.68	16.45
		For Seal Class B, Add	*9.53*	
		For Seal Class A, Add	*25.41*	
		For 24 Gauge, Add	*3.03*	
		For 22 Gauge, Add	*6.97*	
		For 20 Gauge, Add	*11.37*	
		For 18 Gauge, Add	*17.43*	
		For 16 Gauge, Add	*21.22*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*11.22*	
		For Work In Restricted Working Space, Add	*19.06*	
23 31 13 16-0101	EA	6" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	111.05	23.50
		For Seal Class B, Add	*14.10*	
		For Seal Class A, Add	*37.61*	
		For 24 Gauge, Add	*3.41*	
		For 22 Gauge, Add	*7.83*	
		For 20 Gauge, Add	*12.77*	
		For 18 Gauge, Add	*19.58*	
		For 16 Gauge, Add	*23.84*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*12.60*	
		For Work In Restricted Working Space, Add	*28.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0102	EA	8" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	146.55	30.56
		For Seal Class B, Add	*18.56*	
		For Seal Class A, Add	*49.49*	
		For 24 Gauge, Add	*4.57*	
		For 22 Gauge, Add	*10.50*	
		For 20 Gauge, Add	*17.12*	
		For 18 Gauge, Add	*26.25*	
		For 16 Gauge, Add	*31.96*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*16.89*	
		For Work In Restricted Working Space, Add	*37.12*	
23 31 13 16-0103	EA	10" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	185.24	38.79
		For Seal Class B, Add	*23.51*	
		For Seal Class A, Add	*62.68*	
		For 24 Gauge, Add	*5.71*	
		For 22 Gauge, Add	*13.13*	
		For 20 Gauge, Add	*21.41*	
		For 18 Gauge, Add	*32.82*	
		For 16 Gauge, Add	*39.96*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*21.12*	
		For Work In Restricted Working Space, Add	*47.01*	
23 31 13 16-0104	EA	12" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	229.05	49.36
		For Seal Class B, Add	*29.38*	
		For Seal Class A, Add	*78.35*	
		For 24 Gauge, Add	*6.63*	
		For 22 Gauge, Add	*15.26*	
		For 20 Gauge, Add	*24.88*	
		For 18 Gauge, Add	*38.15*	
		For 16 Gauge, Add	*46.44*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*24.55*	
		For Work In Restricted Working Space, Add	*58.76*	
23 31 13 16-0105	EA	14" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	250.55	54.06
		For Seal Class B, Add	*32.05*	
		For Seal Class A, Add	*85.47*	
		For 24 Gauge, Add	*7.37*	
		For 22 Gauge, Add	*16.96*	
		For 20 Gauge, Add	*27.65*	
		For 18 Gauge, Add	*42.40*	
		For 16 Gauge, Add	*51.62*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*27.28*	
		For Work In Restricted Working Space, Add	*64.10*	
23 31 13 16-0106	EA	16" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	313.19	63.46
		For Seal Class B, Add	*37.91*	
		For Seal Class A, Add	*101.10*	
		For 24 Gauge, Add	*12.09*	
		For 22 Gauge, Add	*27.80*	
		For 20 Gauge, Add	*45.33*	
		For 18 Gauge, Add	*69.51*	
		For 16 Gauge, Add	*84.62*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*44.73*	
		For Work In Restricted Working Space, Add	*75.83*	
23 31 13 16-0107	EA	18" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	387.44	78.74
		For Seal Class B, Add	*47.01*	
		For Seal Class A, Add	*125.36*	
		For 24 Gauge, Add	*14.81*	
		For 22 Gauge, Add	*34.06*	
		For 20 Gauge, Add	*55.53*	
		For 18 Gauge, Add	*85.15*	
		For 16 Gauge, Add	*103.66*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*54.79*	
		For Work In Restricted Working Space, Add	*94.02*	
23 31 13 16-0108	EA	20" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	472.80	95.20
		For Seal Class B, Add	*56.87*	
		For Seal Class A, Add	*151.65*	
		For 24 Gauge, Add	*18.74*	
		For 22 Gauge, Add	*43.09*	
		For 20 Gauge, Add	*70.26*	
		For 18 Gauge, Add	*107.73*	
		For 16 Gauge, Add	*131.15*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*69.32*	
		For Work In Restricted Working Space, Add	*113.74*	
23 31 13 16-0109	EA	22" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	527.36	110.48
		For Seal Class B, Add	*66.53*	
		For Seal Class A, Add	*177.40*	
		For 24 Gauge, Add	*16.77*	
		For 22 Gauge, Add	*38.58*	
		For 20 Gauge, Add	*62.90*	
		For 18 Gauge, Add	*96.44*	
		For 16 Gauge, Add	*117.40*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*62.06*	
		For Work In Restricted Working Space, Add	*133.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0110	EA	24" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	625.53	125.75
		For Seal Class B, Add	*75.02*	
		For Seal Class A, Add	*200.05*	
		For 24 Gauge, Add	*25.08*	
		For 22 Gauge, Add	*57.69*	
		For 20 Gauge, Add	*94.06*	
		For 18 Gauge, Add	*144.22*	
		For 16 Gauge, Add	*175.57*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*92.80*	
		For Work In Restricted Working Space, Add	*150.04*	
23 31 13 16-0111		**Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Laterals** *(23 31 13 16-0074)*		
23 31 13 16-0112	EA	6" x 6" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	156.30	30.56
		For Seal Class B, Add	*18.56*	
		For Seal Class A, Add	*49.49*	
		For 24 Gauge, Add	*6.52*	
		For 22 Gauge, Add	*14.99*	
		For 20 Gauge, Add	*24.44*	
		For 18 Gauge, Add	*37.47*	
		For 16 Gauge, Add	*45.61*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*24.11*	
		For Work In Restricted Working Space, Add	*37.12*	
23 31 13 16-0113	EA	8" x 8" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	230.03	49.36
		For Seal Class B, Add	*29.38*	
		For Seal Class A, Add	*78.35*	
		For 24 Gauge, Add	*6.83*	
		For 22 Gauge, Add	*15.71*	
		For 20 Gauge, Add	*25.61*	
		For 18 Gauge, Add	*39.27*	
		For 16 Gauge, Add	*47.81*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*25.27*	
		For Work In Restricted Working Space, Add	*58.76*	
23 31 13 16-0114	EA	10" x 10" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	290.25	63.46
		For Seal Class B, Add	*37.91*	
		For Seal Class A, Add	*101.10*	
		For 24 Gauge, Add	*7.50*	
		For 22 Gauge, Add	*17.25*	
		For 20 Gauge, Add	*28.13*	
		For 18 Gauge, Add	*43.13*	
		For 16 Gauge, Add	*52.50*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*27.75*	
		For Work In Restricted Working Space, Add	*75.83*	
23 31 13 16-0115	EA	12" x 12" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	352.57	78.74
		For Seal Class B, Add	*47.01*	
		For Seal Class A, Add	*125.36*	
		For 24 Gauge, Add	*7.83*	
		For 22 Gauge, Add	*18.02*	
		For 20 Gauge, Add	*29.38*	
		For 18 Gauge, Add	*45.05*	
		For 16 Gauge, Add	*54.84*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*28.99*	
		For Work In Restricted Working Space, Add	*94.02*	
23 31 13 16-0116	EA	14" x 14" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	419.57	95.20
		For Seal Class B, Add	*56.87*	
		For Seal Class A, Add	*151.65*	
		For 24 Gauge, Add	*8.09*	
		For 22 Gauge, Add	*18.61*	
		For 20 Gauge, Add	*30.34*	
		For 18 Gauge, Add	*46.52*	
		For 16 Gauge, Add	*56.63*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*29.93*	
		For Work In Restricted Working Space, Add	*113.74*	
23 31 13 16-0117	EA	16" x 16" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	487.49	110.48
		For Seal Class B, Add	*66.53*	
		For Seal Class A, Add	*177.40*	
		For 24 Gauge, Add	*8.80*	
		For 22 Gauge, Add	*20.24*	
		For 20 Gauge, Add	*32.99*	
		For 18 Gauge, Add	*50.59*	
		For 16 Gauge, Add	*61.59*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*32.55*	
		For Work In Restricted Working Space, Add	*133.05*	
23 31 13 16-0118	EA	18" x 18" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	545.88	125.75
		For Seal Class B, Add	*75.02*	
		For Seal Class A, Add	*200.05*	
		For 24 Gauge, Add	*9.15*	
		For 22 Gauge, Add	*21.05*	
		For 20 Gauge, Add	*34.32*	
		For 18 Gauge, Add	*52.62*	
		For 16 Gauge, Add	*64.06*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*33.86*	
		For Work In Restricted Working Space, Add	*150.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0119	EA	20" x 20" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	620.74	143.38
		For Seal Class B, Add	*86.00*	
		For Seal Class A, Add	*229.32*	
		For 24 Gauge, Add	*9.49*	
		For 22 Gauge, Add	*21.82*	
		For 20 Gauge, Add	*35.58*	
		For 18 Gauge, Add	*54.56*	
		For 16 Gauge, Add	*66.42*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*35.11*	
		For Work In Restricted Working Space, Add	*171.99*	
23 31 13 16-0120	EA	22" x 22" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	692.36	158.67
		For Seal Class B, Add	*95.29*	
		For Seal Class A, Add	*254.11*	
		For 24 Gauge, Add	*11.42*	
		For 22 Gauge, Add	*26.26*	
		For 20 Gauge, Add	*42.81*	
		For 18 Gauge, Add	*65.64*	
		For 16 Gauge, Add	*79.91*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*42.24*	
		For Work In Restricted Working Space, Add	*190.58*	
23 31 13 16-0121	EA	24" x 24" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	750.29	172.76
		For Seal Class B, Add	*103.70*	
		For Seal Class A, Add	*276.54*	
		For 24 Gauge, Add	*11.79*	
		For 22 Gauge, Add	*27.12*	
		For 20 Gauge, Add	*44.21*	
		For 18 Gauge, Add	*67.79*	
		For 16 Gauge, Add	*82.53*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*43.62*	
		For Work In Restricted Working Space, Add	*207.40*	
23 31 13 16-0122	EA	8" x 8" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	241.76	53.24
		For Seal Class B, Add	*31.96*	
		For Seal Class A, Add	*85.23*	
		For 24 Gauge, Add	*5.74*	
		For 22 Gauge, Add	*13.20*	
		For 20 Gauge, Add	*21.52*	
		For 18 Gauge, Add	*32.99*	
		For 16 Gauge, Add	*40.17*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*21.23*	
		For Work In Restricted Working Space, Add	*63.92*	
23 31 13 16-0123	EA	10" x 10" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	292.39	64.05
		For Seal Class B, Add	*38.42*	
		For Seal Class A, Add	*102.46*	
		For 24 Gauge, Add	*7.25*	
		For 22 Gauge, Add	*16.67*	
		For 20 Gauge, Add	*27.17*	
		For 18 Gauge, Add	*41.66*	
		For 16 Gauge, Add	*50.72*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*26.81*	
		For Work In Restricted Working Space, Add	*76.85*	
23 31 13 16-0124	EA	12" x 12" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	355.22	77.80
		For Seal Class B, Add	*46.69*	
		For Seal Class A, Add	*124.50*	
		For 24 Gauge, Add	*8.79*	
		For 22 Gauge, Add	*20.23*	
		For 20 Gauge, Add	*32.98*	
		For 18 Gauge, Add	*50.57*	
		For 16 Gauge, Add	*61.56*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*32.54*	
		For Work In Restricted Working Space, Add	*93.38*	
23 31 13 16-0125	EA	14" x 14" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	422.87	92.49
		For Seal Class B, Add	*55.58*	
		For Seal Class A, Add	*148.20*	
		For 24 Gauge, Add	*10.47*	
		For 22 Gauge, Add	*24.09*	
		For 20 Gauge, Add	*39.27*	
		For 18 Gauge, Add	*60.21*	
		For 16 Gauge, Add	*73.30*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*38.75*	
		For Work In Restricted Working Space, Add	*111.15*	
23 31 13 16-0126	EA	16" x 16" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	536.13	118.93
		For Seal Class B, Add	*71.31*	
		For Seal Class A, Add	*190.17*	
		For 24 Gauge, Add	*12.14*	
		For 22 Gauge, Add	*27.92*	
		For 20 Gauge, Add	*45.53*	
		For 18 Gauge, Add	*69.81*	
		For 16 Gauge, Add	*84.98*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*44.92*	
		For Work In Restricted Working Space, Add	*142.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0127	EA	18" x 18" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	595.52	131.98
		For Seal Class B, Add	*79.13*	
		For Seal Class A, Add	*211.00*	
		For 24 Gauge, Add	*13.60*	
		For 22 Gauge, Add	*31.29*	
		For 20 Gauge, Add	*51.02*	
		For 18 Gauge, Add	*78.22*	
		For 16 Gauge, Add	*95.23*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*50.33*	
		For Work In Restricted Working Space, Add	*158.25*	
23 31 13 16-0128	EA	20" x 20" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	677.05	150.20
		For Seal Class B, Add	*89.94*	
		For Seal Class A, Add	*239.85*	
		For 24 Gauge, Add	*15.48*	
		For 22 Gauge, Add	*35.61*	
		For 20 Gauge, Add	*58.07*	
		For 18 Gauge, Add	*89.03*	
		For 16 Gauge, Add	*108.39*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*57.29*	
		For Work In Restricted Working Space, Add	*179.89*	
23 31 13 16-0129	EA	22" x 22" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	726.42	160.19
		For Seal Class B, Add	*96.02*	
		For Seal Class A, Add	*256.05*	
		For 24 Gauge, Add	*17.26*	
		For 22 Gauge, Add	*39.69*	
		For 20 Gauge, Add	*64.72*	
		For 18 Gauge, Add	*99.23*	
		For 16 Gauge, Add	*120.81*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*63.85*	
		For Work In Restricted Working Space, Add	*192.04*	
23 31 13 16-0130	EA	24" x 24" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	788.11	173.71
		For Seal Class B, Add	*104.19*	
		For Seal Class A, Add	*277.84*	
		For 24 Gauge, Add	*18.70*	
		For 22 Gauge, Add	*43.01*	
		For 20 Gauge, Add	*70.13*	
		For 18 Gauge, Add	*107.54*	
		For 16 Gauge, Add	*130.91*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*69.20*	
		For Work In Restricted Working Space, Add	*208.38*	
23 31 13 16-0131	EA	10" x 10" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	319.86	70.51
		For Seal Class B, Add	*42.26*	
		For Seal Class A, Add	*112.68*	
		For 24 Gauge, Add	*7.63*	
		For 22 Gauge, Add	*17.55*	
		For 20 Gauge, Add	*28.61*	
		For 18 Gauge, Add	*43.87*	
		For 16 Gauge, Add	*53.41*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*28.23*	
		For Work In Restricted Working Space, Add	*84.51*	
23 31 13 16-0132	EA	12" x 12" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	388.71	85.80
		For Seal Class B, Add	*51.37*	
		For Seal Class A, Add	*136.98*	
		For 24 Gauge, Add	*9.25*	
		For 22 Gauge, Add	*21.28*	
		For 20 Gauge, Add	*34.70*	
		For 18 Gauge, Add	*53.21*	
		For 16 Gauge, Add	*64.78*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*34.24*	
		For Work In Restricted Working Space, Add	*102.73*	
23 31 13 16-0133	EA	14" x 14" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	462.66	101.67
		For Seal Class B, Add	*61.13*	
		For Seal Class A, Add	*163.01*	
		For 24 Gauge, Add	*11.03*	
		For 22 Gauge, Add	*25.36*	
		For 20 Gauge, Add	*41.36*	
		For 18 Gauge, Add	*63.41*	
		For 16 Gauge, Add	*77.20*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*40.80*	
		For Work In Restricted Working Space, Add	*122.26*	
23 31 13 16-0134	EA	16" x 16" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	537.04	118.47
		For Seal Class B, Add	*70.97*	
		For Seal Class A, Add	*189.26*	
		For 24 Gauge, Add	*12.78*	
		For 22 Gauge, Add	*29.39*	
		For 20 Gauge, Add	*47.93*	
		For 18 Gauge, Add	*73.49*	
		For 16 Gauge, Add	*89.46*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*47.29*	
		For Work In Restricted Working Space, Add	*141.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0135	EA	18" x 18" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	601.00	132.46
		For Seal Class B, Add	*79.41*	
		For Seal Class A, Add	*211.76*	
		For 24 Gauge, Add	*14.32*	
		For 22 Gauge, Add	*32.94*	
		For 20 Gauge, Add	*53.70*	
		For 18 Gauge, Add	*82.34*	
		For 16 Gauge, Add	*100.24*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*52.98*	
		For Work In Restricted Working Space, Add	*158.82*	
23 31 13 16-0136	EA	20" x 20" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	683.57	150.67
		For Seal Class B, Add	*90.31*	
		For Seal Class A, Add	*240.84*	
		For 24 Gauge, Add	*16.30*	
		For 22 Gauge, Add	*37.48*	
		For 20 Gauge, Add	*61.11*	
		For 18 Gauge, Add	*93.70*	
		For 16 Gauge, Add	*114.07*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*60.30*	
		For Work In Restricted Working Space, Add	*180.63*	
23 31 13 16-0137	EA	22" x 22" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	763.18	168.06
		For Seal Class B, Add	*100.85*	
		For Seal Class A, Add	*268.94*	
		For 24 Gauge, Add	*18.17*	
		For 22 Gauge, Add	*41.78*	
		For 20 Gauge, Add	*68.12*	
		For 18 Gauge, Add	*104.45*	
		For 16 Gauge, Add	*127.16*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*67.21*	
		For Work In Restricted Working Space, Add	*201.71*	
23 31 13 16-0138	EA	24" x 24" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	827.50	182.40
		For Seal Class B, Add	*109.36*	
		For Seal Class A, Add	*291.63*	
		For 24 Gauge, Add	*19.68*	
		For 22 Gauge, Add	*45.27*	
		For 20 Gauge, Add	*73.82*	
		For 18 Gauge, Add	*113.18*	
		For 16 Gauge, Add	*137.79*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*72.83*	
		For Work In Restricted Working Space, Add	*218.72*	

23 31 13 16-0139 Slip Joint, Galvanized, Spiral Duct Reducers *(23 31 13 16-0074)*

23 31 13 16-0140	EA	6" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	105.73	23.50
		For Seal Class B, Add	*14.10*	
		For Seal Class A, Add	*37.61*	
		For 24 Gauge, Add	*2.34*	
		For 22 Gauge, Add	*5.39*	
		For 20 Gauge, Add	*8.78*	
		For 18 Gauge, Add	*13.47*	
		For 16 Gauge, Add	*16.39*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*8.67*	
		For Work In Restricted Working Space, Add	*28.21*	
23 31 13 16-0141	EA	8" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	136.61	30.56
		For Seal Class B, Add	*18.56*	
		For Seal Class A, Add	*49.49*	
		For 24 Gauge, Add	*2.58*	
		For 22 Gauge, Add	*5.93*	
		For 20 Gauge, Add	*9.67*	
		For 18 Gauge, Add	*14.82*	
		For 16 Gauge, Add	*18.05*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*9.54*	
		For Work In Restricted Working Space, Add	*37.12*	
23 31 13 16-0142	EA	10" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	170.97	38.79
		For Seal Class B, Add	*23.51*	
		For Seal Class A, Add	*62.68*	
		For 24 Gauge, Add	*2.85*	
		For 22 Gauge, Add	*6.56*	
		For 20 Gauge, Add	*10.70*	
		For 18 Gauge, Add	*16.41*	
		For 16 Gauge, Add	*19.98*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*10.56*	
		For Work In Restricted Working Space, Add	*47.01*	
23 31 13 16-0143	EA	12" x 10", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	211.53	49.36
		For Seal Class B, Add	*29.38*	
		For Seal Class A, Add	*78.35*	
		For 24 Gauge, Add	*3.13*	
		For 22 Gauge, Add	*7.20*	
		For 20 Gauge, Add	*11.74*	
		For 18 Gauge, Add	*18.00*	
		For 16 Gauge, Add	*21.91*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*11.58*	
		For Work In Restricted Working Space, Add	*58.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0144	EA	14" x 12", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	231.10	54.06
		For Seal Class B, Add	*32.05*	
		For Seal Class A, Add	*85.47*	
		For 24 Gauge, Add	*3.48*	
		For 22 Gauge, Add	*8.01*	
		For 20 Gauge, Add	*13.07*	
		For 18 Gauge, Add	*20.03*	
		For 16 Gauge, Add	*24.39*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*12.89*	
		For Work In Restricted Working Space, Add	*64.10*	
23 31 13 16-0145	EA	16" x 14", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	282.86	63.46
		For Seal Class B, Add	*37.91*	
		For Seal Class A, Add	*101.10*	
		For 24 Gauge, Add	*6.02*	
		For 22 Gauge, Add	*13.85*	
		For 20 Gauge, Add	*22.58*	
		For 18 Gauge, Add	*34.63*	
		For 16 Gauge, Add	*42.15*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*22.28*	
		For Work In Restricted Working Space, Add	*75.83*	
23 31 13 16-0146	EA	18" x 16", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	345.58	78.74
		For Seal Class B, Add	*47.01*	
		For Seal Class A, Add	*125.36*	
		For 24 Gauge, Add	*6.44*	
		For 22 Gauge, Add	*14.80*	
		For 20 Gauge, Add	*24.14*	
		For 18 Gauge, Add	*37.01*	
		For 16 Gauge, Add	*45.05*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*23.81*	
		For Work In Restricted Working Space, Add	*94.02*	
23 31 13 16-0147	EA	20" x 18", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	413.47	95.20
		For Seal Class B, Add	*56.87*	
		For Seal Class A, Add	*151.65*	
		For 24 Gauge, Add	*6.87*	
		For 22 Gauge, Add	*15.80*	
		For 20 Gauge, Add	*25.76*	
		For 18 Gauge, Add	*39.50*	
		For 16 Gauge, Add	*48.09*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*25.42*	
		For Work In Restricted Working Space, Add	*113.74*	
23 31 13 16-0148	EA	22" x 20", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	480.01	110.48
		For Seal Class B, Add	*66.53*	
		For Seal Class A, Add	*177.40*	
		For 24 Gauge, Add	*7.30*	
		For 22 Gauge, Add	*16.79*	
		For 20 Gauge, Add	*27.38*	
		For 18 Gauge, Add	*41.99*	
		For 16 Gauge, Add	*51.11*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*27.02*	
		For Work In Restricted Working Space, Add	*133.05*	
23 31 13 16-0149	EA	24" x 22", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	538.60	125.75
		For Seal Class B, Add	*75.02*	
		For Seal Class A, Add	*200.05*	
		For 24 Gauge, Add	*7.70*	
		For 22 Gauge, Add	*17.70*	
		For 20 Gauge, Add	*28.86*	
		For 18 Gauge, Add	*44.25*	
		For 16 Gauge, Add	*53.87*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*28.48*	
		For Work In Restricted Working Space, Add	*150.04*	

23 31 13 16-0150 Slip Joint, Galvanized, Spiral Duct Couplings *(23 31 13 16-0074)*

23 31 13 16-0151	EA	4" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	69.06	16.45
		For Seal Class B, Add	*9.53*	
		For Seal Class A, Add	*25.41*	
		For 24 Gauge, Add	*1.11*	
		For 22 Gauge, Add	*2.55*	
		For 20 Gauge, Add	*4.16*	
		For 18 Gauge, Add	*6.37*	
		For 16 Gauge, Add	*7.76*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.10*	
		For Work In Restricted Working Space, Add	*19.06*	
23 31 13 16-0152	EA	6 Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	100.32	23.50
		For Seal Class B, Add	*14.10*	
		For Seal Class A, Add	*37.61*	
		For 24 Gauge, Add	*1.26*	
		For 22 Gauge, Add	*2.90*	
		For 20 Gauge, Add	*4.73*	
		For 18 Gauge, Add	*7.25*	
		For 16 Gauge, Add	*8.82*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.66*	
		For Work In Restricted Working Space, Add	*28.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0153	EA	8" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	130.51	30.56
		For Seal Class B, Add	*18.56*	
		For Seal Class A, Add	*49.49*	
		For 24 Gauge, Add	*1.36*	
		For 22 Gauge, Add	*3.12*	
		For 20 Gauge, Add	*5.09*	
		For 18 Gauge, Add	*7.81*	
		For 16 Gauge, Add	*9.51*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.02*	
		For Work In Restricted Working Space, Add	*37.12*	
23 31 13 16-0154	EA	10" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	163.98	38.79
		For Seal Class B, Add	*23.51*	
		For Seal Class A, Add	*62.68*	
		For 24 Gauge, Add	*1.46*	
		For 22 Gauge, Add	*3.35*	
		For 20 Gauge, Add	*5.46*	
		For 18 Gauge, Add	*8.37*	
		For 16 Gauge, Add	*10.19*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.39*	
		For Work In Restricted Working Space, Add	*47.01*	
23 31 13 16-0155	EA	12" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	203.65	49.36
		For Seal Class B, Add	*29.38*	
		For Seal Class A, Add	*78.35*	
		For 24 Gauge, Add	*1.55*	
		For 22 Gauge, Add	*3.57*	
		For 20 Gauge, Add	*5.83*	
		For 18 Gauge, Add	*8.94*	
		For 16 Gauge, Add	*10.88*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.75*	
		For Work In Restricted Working Space, Add	*58.76*	
23 31 13 16-0156	EA	14" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	221.95	54.06
		For Seal Class B, Add	*32.05*	
		For Seal Class A, Add	*85.47*	
		For 24 Gauge, Add	*1.65*	
		For 22 Gauge, Add	*3.80*	
		For 20 Gauge, Add	*6.20*	
		For 18 Gauge, Add	*9.51*	
		For 16 Gauge, Add	*11.58*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.12*	
		For Work In Restricted Working Space, Add	*64.10*	
23 31 13 16-0157	EA	16" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	261.90	63.46
		For Seal Class B, Add	*37.91*	
		For Seal Class A, Add	*101.10*	
		For 24 Gauge, Add	*1.83*	
		For 22 Gauge, Add	*4.21*	
		For 20 Gauge, Add	*6.86*	
		For 18 Gauge, Add	*10.52*	
		For 16 Gauge, Add	*12.81*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.77*	
		For Work In Restricted Working Space, Add	*75.83*	
23 31 13 16-0158	EA	18" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	323.04	78.74
		For Seal Class B, Add	*47.01*	
		For Seal Class A, Add	*125.36*	
		For 24 Gauge, Add	*1.93*	
		For 22 Gauge, Add	*4.43*	
		For 20 Gauge, Add	*7.23*	
		For 18 Gauge, Add	*11.09*	
		For 16 Gauge, Add	*13.50*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.13*	
		For Work In Restricted Working Space, Add	*94.02*	
23 31 13 16-0159	EA	20" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	389.36	95.20
		For Seal Class B, Add	*56.87*	
		For Seal Class A, Add	*151.65*	
		For 24 Gauge, Add	*2.05*	
		For 22 Gauge, Add	*4.71*	
		For 20 Gauge, Add	*7.68*	
		For 18 Gauge, Add	*11.78*	
		For 16 Gauge, Add	*14.34*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.58*	
		For Work In Restricted Working Space, Add	*113.74*	
23 31 13 16-0160	EA	22 Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	454.13	222.13
		For Seal Class B, Add	*66.53*	
		For Seal Class A, Add	*177.40*	
		For 24 Gauge, Add	*2.13*	
		For 22 Gauge, Add	*4.89*	
		For 20 Gauge, Add	*7.97*	
		For 18 Gauge, Add	*12.22*	
		For 16 Gauge, Add	*14.88*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.87*	
		For Work In Restricted Working Space, Add	*133.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0161	EA	24" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	511.34	250.33
		For Seal Class B, Add	*75.02*	
		For Seal Class A, Add	*200.05*	
		For 24 Gauge, Add	*2.24*	
		For 22 Gauge, Add	*5.16*	
		For 20 Gauge, Add	*8.42*	
		For 18 Gauge, Add	*12.90*	
		For 16 Gauge, Add	*15.71*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*8.30*	
		For Work In Restricted Working Space, Add	*150.04*	
23 31 13 16-0162		Slip Joint, Galvanized, Spiral Duct Caps *(23 31 13 16-0074)*		
23 31 13 16-0163	EA	4" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	38.27	16.45
		For Seal Class B, Add	*4.77*	
		For Seal Class A, Add	*12.71*	
		For 24 Gauge, Add	*1.30*	
		For 22 Gauge, Add	*2.99*	
		For 20 Gauge, Add	*4.88*	
		For 18 Gauge, Add	*7.48*	
		For 16 Gauge, Add	*9.10*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.81*	
		For Work In Restricted Working Space, Add	*9.53*	
23 31 13 16-0164	EA	6" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	54.29	23.50
		For Seal Class B, Add	*7.05*	
		For Seal Class A, Add	*18.80*	
		For 24 Gauge, Add	*1.46*	
		For 22 Gauge, Add	*3.35*	
		For 20 Gauge, Add	*5.46*	
		For 18 Gauge, Add	*8.37*	
		For 16 Gauge, Add	*10.19*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.39*	
		For Work In Restricted Working Space, Add	*14.10*	
23 31 13 16-0165	EA	8" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	69.82	31.74
		For Seal Class B, Add	*9.28*	
		For Seal Class A, Add	*24.74*	
		For 24 Gauge, Add	*1.59*	
		For 22 Gauge, Add	*3.67*	
		For 20 Gauge, Add	*5.98*	
		For 18 Gauge, Add	*9.17*	
		For 16 Gauge, Add	*11.16*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.90*	
		For Work In Restricted Working Space, Add	*18.56*	
23 31 13 16-0166	EA	10" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	87.22	39.96
		For Seal Class B, Add	*11.75*	
		For Seal Class A, Add	*31.34*	
		For 24 Gauge, Add	*1.77*	
		For 22 Gauge, Add	*4.08*	
		For 20 Gauge, Add	*6.65*	
		For 18 Gauge, Add	*10.19*	
		For 16 Gauge, Add	*12.40*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.56*	
		For Work In Restricted Working Space, Add	*23.51*	
23 31 13 16-0167	EA	12" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	107.78	49.36
		For Seal Class B, Add	*14.69*	
		For Seal Class A, Add	*39.18*	
		For 24 Gauge, Add	*1.97*	
		For 22 Gauge, Add	*4.53*	
		For 20 Gauge, Add	*7.38*	
		For 18 Gauge, Add	*11.32*	
		For 16 Gauge, Add	*13.78*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.28*	
		For Work In Restricted Working Space, Add	*29.38*	
23 31 13 16-0168	EA	14" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	117.67	54.06
		For Seal Class B, Add	*16.03*	
		For Seal Class A, Add	*42.74*	
		For 24 Gauge, Add	*2.17*	
		For 22 Gauge, Add	*4.98*	
		For 20 Gauge, Add	*8.12*	
		For 18 Gauge, Add	*12.45*	
		For 16 Gauge, Add	*15.16*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*8.01*	
		For Work In Restricted Working Space, Add	*32.05*	
23 31 13 16-0169	EA	16" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	136.22	62.29
		For Seal Class B, Add	*18.56*	
		For Seal Class A, Add	*49.49*	
		For 24 Gauge, Add	*2.50*	
		For 22 Gauge, Add	*5.75*	
		For 20 Gauge, Add	*9.38*	
		For 18 Gauge, Add	*14.38*	
		For 16 Gauge, Add	*17.50*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*9.25*	
		For Work In Restricted Working Space, Add	*37.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0170	EA	18" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	198.82	78.74
		For Seal Class B, Add	*23.51*	
		For Seal Class A, Add	*62.68*	
		For 24 Gauge, Add	*8.42*	
		For 22 Gauge, Add	*19.38*	
		For 20 Gauge, Add	*31.59*	
		For 18 Gauge, Add	*48.44*	
		For 16 Gauge, Add	*58.97*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*31.17*	
		For Work In Restricted Working Space, Add	*47.01*	
23 31 13 16-0171	EA	20" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	241.55	97.55
		For Seal Class B, Add	*29.38*	
		For Seal Class A, Add	*78.35*	
		For 24 Gauge, Add	*9.13*	
		For 22 Gauge, Add	*21.01*	
		For 20 Gauge, Add	*34.25*	
		For 18 Gauge, Add	*52.52*	
		For 16 Gauge, Add	*63.94*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*33.80*	
		For Work In Restricted Working Space, Add	*58.76*	
23 31 13 16-0172	EA	22" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	262.89	106.95
		For Seal Class B, Add	*32.05*	
		For Seal Class A, Add	*85.47*	
		For 24 Gauge, Add	*9.84*	
		For 22 Gauge, Add	*22.64*	
		For 20 Gauge, Add	*36.91*	
		For 18 Gauge, Add	*56.59*	
		For 16 Gauge, Add	*68.89*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*36.42*	
		For Work In Restricted Working Space, Add	*64.10*	
23 31 13 16-0173	EA	24" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	302.91	124.58
		For Seal Class B, Add	*37.51*	
		For Seal Class A, Add	*100.02*	
		For 24 Gauge, Add	*10.57*	
		For 22 Gauge, Add	*24.31*	
		For 20 Gauge, Add	*39.64*	
		For 18 Gauge, Add	*60.78*	
		For 16 Gauge, Add	*73.99*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*39.11*	
		For Work In Restricted Working Space, Add	*75.02*	

23 31 13 19 Metal Duct Fittings *(23 31 13)*

23 31 13 19-0001 Sheet Metal Baffles *(23 31 13 19)*

23 31 13 19-0002	LF	Sheet Metal Baffles Under Raised Floor	44.86	36.00
		For Work In Restricted Working Space, Add	*13.16*	
		For Elevated Installation >10' To 15', Add	*4.39*	
		For Elevated Installation >15' To 20', Add	*8.78*	
		For Elevated Installation >20' To 25', Add	*10.97*	
		For Elevated Installation >25' To 30', Add	*15.36*	
		For Elevated Installation >30' To 35', Add	*17.55*	
		For Elevated Installation >35' To 40', Add	*21.94*	
		For Elevated Installation >40', Add	*24.13*	

23 31 13 19-0003 Duct Register Boots *(23 31 13 19)*

23 31 13 19-0004	EA	10" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel	41.26	15.92
		For Stainless Steel, Add	*12.23*	
23 31 13 19-0005	EA	10" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel	41.26	15.92
		For Stainless Steel, Add	*12.23*	
23 31 13 19-0006	EA	12" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel	44.01	17.19
		For Stainless Steel, Add	*12.51*	
23 31 13 19-0007	EA	12" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel	44.01	17.19
		For Stainless Steel, Add	*12.51*	
23 31 13 19-0008	EA	12" x 2-1/4" x 7" Register Boot, 90 Degree, Galvanized Steel	46.33	17.19
		For Stainless Steel, Add	*15.52*	
23 31 13 19-0009	EA	14" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel	47.71	18.47
		For Stainless Steel, Add	*14.00*	
23 31 13 19-0010	EA	14" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel	47.71	18.47
		For Stainless Steel, Add	*14.00*	
23 31 13 19-0011	EA	14" x 2-1/4" x 7" Register Boot, 90 Degree, Galvanized Steel	49.15	18.47
		For Stainless Steel, Add	*15.87*	
23 31 13 19-0012	EA	10" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel	47.96	19.75
		For Stainless Steel, Add	*11.01*	
23 31 13 19-0013	EA	12" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel	50.75	21.02
		For Stainless Steel, Add	*11.34*	
23 31 13 19-0014	EA	12" x 4" x 7" Register Boot, 90 Degree, Galvanized Steel	56.67	21.02
		For Stainless Steel, Add	*19.03*	
23 31 13 19-0015	EA	14" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel	53.82	22.29
		For Stainless Steel, Add	*12.01*	
23 31 13 19-0016	EA	14" x 4" x 7" Register Boot, 90 Degree, Galvanized Steel	59.61	22.29
		For Stainless Steel, Add	*19.54*	
23 31 13 19-0017	EA	12" x 2-1/4" x 5" Register Boot, Center, Galvanized Steel	42.61	17.19
		For Stainless Steel, Add	*10.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 19-0018	EA	12" x 2-1/4" x 6" Register Boot, Center, Galvanized Steel	42.61	17.19
		For Stainless Steel, Add	*10.69*	
23 31 13 19-0019	EA	14" x 2-1/4" x 6" Register Boot, Center, Galvanized Steel	46.10	18.47
		For Stainless Steel, Add	*11.91*	
23 31 13 19-0020	EA	14" x 2-1/4" x 7" Register Boot, Center, Galvanized Steel	47.48	18.47
		For Stainless Steel, Add	*13.70*	
23 31 13 19-0021	EA	10" x 4" x 6" Register Boot, Center, Galvanized Steel	48.15	19.75
		For Stainless Steel, Add	*11.26*	
23 31 13 19-0022	EA	12" x 4" x 6" Register Boot, Center, Galvanized Steel	50.92	21.02
		For Stainless Steel, Add	*11.56*	
23 31 13 19-0023	EA	12" x 2-1/4" x 6" Register Boot, End, Galvanized Steel	43.55	17.19
		For Stainless Steel, Add	*11.91*	
23 31 13 19-0024	EA	14" x 2-1/4" x 6" Register Boot, End, Galvanized Steel	46.66	18.47
		For Stainless Steel, Add	*12.64*	
23 31 13 19-0025	EA	10" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel	41.26	15.92
		For Stainless Steel, Add	*12.23*	
23 31 13 19-0026	EA	12" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel	44.01	17.19
		For Stainless Steel, Add	*12.51*	
23 31 13 19-0027	EA	14" x 2-1/4" x 5" Register Boot, Universal, Galvanized Steel	47.71	18.47
		For Stainless Steel, Add	*14.00*	
23 31 13 19-0028	EA	14" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel	47.71	18.47
		For Stainless Steel, Add	*14.00*	
23 31 13 19-0029	EA	10" x 4" x 6" Register Boot, Universal, Galvanized Steel	47.96	19.75
		For Stainless Steel, Add	*11.01*	
23 31 13 19-0030	EA	12" x 4" x 6" Register Boot, Universal, Galvanized Steel	50.75	21.02
		For Stainless Steel, Add	*11.34*	
23 31 13 19-0031	EA	12" x 4" x 7" Register Boot, Universal, Galvanized Steel	56.67	21.02
		For Stainless Steel, Add	*19.03*	
23 31 13 19-0032	EA	14" x 4" x 7" Register Boot, Universal, Galvanized Steel	59.22	22.29
		For Stainless Steel, Add	*19.03*	

23 31 13 23 Galvanized Steel Welded Duct *(23 31 13)*

Note: All field fabricated duct is assembled from flat duct sheets on site to fit to exact field conditions. Ductwork which is fabricated off site or snap-fitting duct is considered as shop fabricated.

23 31 13 23-0001 Welded Steel Ductwork *(23 31 13 23)*

Note: Ductwork poundage includes all fittings, transitions, collars, straps, support straps, etc.

23 31 13 23-0002 Galvanized Steel Welded Duct, For Kitchen *(23 31 13 23-0001)*

Note: Also includes special exhaust systems and waste.

23 31 13 23-0003	LB	Galvanized Steel Welded Duct	25.87	10.91
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.95*	
		For Work In Restricted Working Space, Add	*6.56*	
		For Elevated Installation >10' To 15', Add	*2.19*	
		For Elevated Installation >15' To 20', Add	*4.38*	
		For Elevated Installation >20' To 25', Add	*5.47*	
		For Elevated Installation >25' To 30', Add	*7.66*	
		For Elevated Installation >30' To 35', Add	*8.75*	
		For Elevated Installation >35' To 40', Add	*10.94*	
		For Elevated Installation >40', Add	*12.03*	

23 31 13 23-0004 Black Steel Ductwork *(23 31 13 23-0001)*

23 31 13 23-0005	LB	Black Steel Ductwork	23.40	11.26
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*0.67*	
		For Work In Restricted Working Space, Add	*6.75*	
		For Elevated Installation >10' To 15', Add	*2.25*	
		For Elevated Installation >15' To 20', Add	*4.50*	
		For Elevated Installation >20' To 25', Add	*5.63*	
		For Elevated Installation >25' To 30', Add	*7.88*	
		For Elevated Installation >30' To 35', Add	*9.00*	
		For Elevated Installation >35' To 40', Add	*11.25*	
		For Elevated Installation >40', Add	*12.38*	

23 31 16 Non-metal Ducts *(23 31)*

23 31 16 13 Fibrous-Glass Ducts *(23 31 16)*

23 31 16 13-0001 Glass Fiber Duct Board *(23 31 16 13)*

Note: Rigid, rectangular boards faced on one side with a fire-resistant foil-scrim-kraft (FSK) vapor retarder and a lightweight fiber glass mat on the airstream surface.

23 31 16 13-0002	SF	1" Glass Fiber Duct Board (EI-475)	11.37	2.25
23 31 16 13-0003	SF	1-1/2" Glass Fiber Duct Board (EI-800)	13.46	2.48
23 31 16 13-0004	SF	2" Glass Fiber Duct Board (EI-800)	15.62	2.72

23 31 16 16 Thermoset Fiberglass-Reinforced Plastic Ducts *(23 31 16)*

23 31 16 16-0001 Fiber Reinforced Round Plastic Duct *(23 31 16 16)*

23 31 16 16-0002 Fiber Reinforced Round Plastic Duct *(23 31 16 16-0001)*

23 31 16 16-0003	LF	2" Fiber Reinforced Plastic Duct	19.23	5.71
23 31 16 16-0004	LF	3" Fiber Reinforced Plastic Duct	24.19	6.68
23 31 16 16-0005	LF	4" Fiber Reinforced Plastic Duct	32.62	9.81

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 16-0006	LF	6" Fiber Reinforced Plastic Duct	43.42	12.40
23 31 16 16-0007	LF	8" Fiber Reinforced Plastic Duct	55.08	15.52
23 31 16 16-0008	LF	10" Fiber Reinforced Plastic Duct	66.45	18.65
23 31 16 16-0009	LF	12" Fiber Reinforced Plastic Duct	74.58	21.78
23 31 16 16-0010	LF	14" Fiber Reinforced Plastic Duct	85.40	23.82
23 31 16 16-0011	LF	16" Fiber Reinforced Plastic Duct	92.42	25.33
23 31 16 16-0012	LF	18" Fiber Reinforced Plastic Duct	115.87	28.46
23 31 16 16-0013	LF	20" Fiber Reinforced Plastic Duct	121.69	30.50
23 31 16 16-0014	LF	24" Fiber Reinforced Plastic Duct	151.68	32.56
23 31 16 16-0015	LF	30" Fiber Reinforced Plastic Duct	173.60	37.72
23 31 16 16-0016	LF	36" Fiber Reinforced Plastic Duct	199.81	45.49
23 31 16 16-0017	LF	42" Fiber Reinforced Plastic Duct	270.39	50.66
23 31 16 16-0018	LF	48" Fiber Reinforced Plastic Duct	302.86	56.91
23 31 16 16-0019	LF	54" Fiber Reinforced Plastic Duct	335.84	65.21
23 31 16 16-0020	LF	60" Fiber Reinforced Plastic Duct	380.50	76.10
23 31 16 16-0021	LF	66" Fiber Reinforced Plastic Duct	404.53	93.13
23 31 16 16-0022	LF	72" Fiber Reinforced Plastic Duct	493.59	113.82
23 31 16 16-0023		**Fiber Reinforced Plastic Bell** *(23 31 16 16-0001)*		
23 31 16 16-0024	EA	2" Fiber Reinforced Plastic Bell	64.63	23.18
23 31 16 16-0025	EA	3" Fiber Reinforced Plastic Bell	77.82	27.49
23 31 16 16-0026	EA	4" Fiber Reinforced Plastic Bell	89.82	32.33
23 31 16 16-0027	EA	6" Fiber Reinforced Plastic Bell	118.22	43.11
23 31 16 16-0028	EA	8" Fiber Reinforced Plastic Bell	144.35	53.90
23 31 16 16-0029	EA	10" Fiber Reinforced Plastic Bell	168.20	64.68
23 31 16 16-0030	EA	12" Fiber Reinforced Plastic Bell	208.59	80.30
23 31 16 16-0031	EA	14" Fiber Reinforced Plastic Bell	222.86	86.23
23 31 16 16-0032	EA	16" Fiber Reinforced Plastic Bell	241.45	92.16
23 31 16 16-0033	EA	18" Fiber Reinforced Plastic Bell	260.04	99.17
23 31 16 16-0034	EA	20" Fiber Reinforced Plastic Bell	284.14	107.79
23 31 16 16-0035	EA	24" Fiber Reinforced Plastic Bell	328.55	118.57
23 31 16 16-0036	EA	30" Fiber Reinforced Plastic Bell	379.81	129.35
23 31 16 16-0037	EA	36" Fiber Reinforced Plastic Bell	430.45	145.51
23 31 16 16-0038	EA	42" Fiber Reinforced Plastic Bell	481.06	161.69
23 31 16 16-0039	EA	48" Fiber Reinforced Plastic Bell	531.67	177.86
23 31 16 16-0040	EA	54" Fiber Reinforced Plastic Bell	659.69	215.58
23 31 16 16-0041	EA	60" Fiber Reinforced Plastic Bell	790.33	269.48
23 31 16 16-0042	EA	66" Fiber Reinforced Plastic Bell	948.35	323.37
23 31 16 16-0043	EA	72" Fiber Reinforced Plastic Bell	1,085.00	366.49
23 31 16 16-0044		**Fiber Reinforced Plastic Flange** *(23 31 16 16-0001)*		
23 31 16 16-0045	EA	2" Fiber Reinforced Plastic Flange	101.20	23.18
23 31 16 16-0046	EA	3" Fiber Reinforced Plastic Flange	116.67	27.49
23 31 16 16-0047	EA	4" Fiber Reinforced Plastic Flange	133.24	32.33
23 31 16 16-0048	EA	6" Fiber Reinforced Plastic Flange	173.07	43.11
23 31 16 16-0049	EA	8" Fiber Reinforced Plastic Flange	210.63	53.90
23 31 16 16-0050	EA	10" Fiber Reinforced Plastic Flange	248.18	64.68
23 31 16 16-0051	EA	12" Fiber Reinforced Plastic Flange	293.15	80.30
23 31 16 16-0052	EA	14" Fiber Reinforced Plastic Flange	325.70	86.23
23 31 16 16-0053	EA	16" Fiber Reinforced Plastic Flange	355.72	92.16
23 31 16 16-0054	EA	18" Fiber Reinforced Plastic Flange	378.88	99.17
23 31 16 16-0055	EA	20" Fiber Reinforced Plastic Flange	398.40	107.79
23 31 16 16-0056	EA	24" Fiber Reinforced Plastic Flange	465.67	118.57
23 31 16 16-0057	EA	30" Fiber Reinforced Plastic Flange	512.36	129.35
23 31 16 16-0058	EA	36" Fiber Reinforced Plastic Flange	629.27	145.51
23 31 16 16-0059	EA	42" Fiber Reinforced Plastic Flange	700.45	161.69
23 31 16 16-0060	EA	48" Fiber Reinforced Plastic Flange	794.47	177.86
23 31 16 16-0061	EA	54" Fiber Reinforced Plastic Flange	933.92	215.58
23 31 16 16-0062	EA	60" Fiber Reinforced Plastic Flange	1,117.13	269.48
23 31 16 16-0063	EA	66" Fiber Reinforced Plastic Flange	1,300.28	323.37
23 31 16 16-0064	EA	72" Fiber Reinforced Plastic Flange	1,487.21	366.49
23 31 16 16-0065		**Fiber Reinforced Plastic 90 Degree Elbow** *(23 31 16 16-0001)*		
23 31 16 16-0066	EA	2" Fiber Reinforced Plastic 90 Degree Elbow	168.54	55.83
23 31 16 16-0067	EA	3" Fiber Reinforced Plastic 90 Degree Elbow	198.08	66.72
23 31 16 16-0068	EA	4" Fiber Reinforced Plastic 90 Degree Elbow	229.90	77.61
23 31 16 16-0069	EA	6" Fiber Reinforced Plastic 90 Degree Elbow	298.16	103.48
23 31 16 16-0070	EA	8" Fiber Reinforced Plastic 90 Degree Elbow	366.41	129.35
23 31 16 16-0071	EA	10" Fiber Reinforced Plastic 90 Degree Elbow	434.68	155.21
23 31 16 16-0072	EA	12" Fiber Reinforced Plastic 90 Degree Elbow	534.22	193.06
23 31 16 16-0073	EA	14" Fiber Reinforced Plastic 90 Degree Elbow	603.45	204.37
23 31 16 16-0074	EA	16" Fiber Reinforced Plastic 90 Degree Elbow	685.33	221.94
23 31 16 16-0075	EA	18" Fiber Reinforced Plastic 90 Degree Elbow	812.62	238.00
23 31 16 16-0076	EA	20" Fiber Reinforced Plastic 90 Degree Elbow	933.99	258.69
23 31 16 16-0077	EA	24" Fiber Reinforced Plastic 90 Degree Elbow	1,079.94	284.57
23 31 16 16-0078	EA	30" Fiber Reinforced Plastic 90 Degree Elbow	1,442.97	310.44
23 31 16 16-0079	EA	36" Fiber Reinforced Plastic 90 Degree Elbow	1,839.05	349.24
23 31 16 16-0080	EA	42" Fiber Reinforced Plastic 90 Degree Elbow	2,406.51	388.15

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 16-0081	EA	48" Fiber Reinforced Plastic 90 Degree Elbow	2,848.32	426.96
23 31 16 16-0082	EA	54" Fiber Reinforced Plastic 90 Degree Elbow	3,376.13	517.40
23 31 16 16-0083	EA	60" Fiber Reinforced Plastic 90 Degree Elbow	4,094.47	646.74
23 31 16 16-0084	EA	66" Fiber Reinforced Plastic 90 Degree Elbow	4,812.40	775.88
23 31 16 16-0085	EA	72" Fiber Reinforced Plastic 90 Degree Elbow	5,487.44	879.25
23 31 16 16-0086		**Fiber Reinforced Plastic 45 Degree Elbow** *(23 31 16 16-0001)*		
23 31 16 16-0087	EA	2" Fiber Reinforced Plastic 45 Degree Elbow	143.40	55.83
23 31 16 16-0088	EA	3" Fiber Reinforced Plastic 45 Degree Elbow	168.37	66.72
23 31 16 16-0089	EA	4" Fiber Reinforced Plastic 45 Degree Elbow	195.59	77.61
23 31 16 16-0090	EA	6" Fiber Reinforced Plastic 45 Degree Elbow	247.88	103.48
23 31 16 16-0091	EA	8" Fiber Reinforced Plastic 45 Degree Elbow	300.14	129.35
23 31 16 16-0092	EA	10" Fiber Reinforced Plastic 45 Degree Elbow	357.06	155.21
23 31 16 16-0093	EA	12" Fiber Reinforced Plastic 45 Degree Elbow	440.59	193.06
23 31 16 16-0094	EA	14" Fiber Reinforced Plastic 45 Degree Elbow	477.67	204.37
23 31 16 16-0095	EA	16" Fiber Reinforced Plastic 45 Degree Elbow	566.29	221.84
23 31 16 16-0096	EA	18" Fiber Reinforced Plastic 45 Degree Elbow	648.37	238.21
23 31 16 16-0097	EA	20" Fiber Reinforced Plastic 45 Degree Elbow	746.53	258.69
23 31 16 16-0098	EA	24" Fiber Reinforced Plastic 45 Degree Elbow	857.78	284.35
23 31 16 16-0099	EA	30" Fiber Reinforced Plastic 45 Degree Elbow	1,076.92	310.23
23 31 16 16-0100	EA	36" Fiber Reinforced Plastic 45 Degree Elbow	1,311.65	349.56
23 31 16 16-0101	EA	42" Fiber Reinforced Plastic 45 Degree Elbow	1,659.70	388.37
23 31 16 16-0102	EA	48" Fiber Reinforced Plastic 45 Degree Elbow	1,945.63	426.96
23 31 16 16-0103	EA	54" Fiber Reinforced Plastic 45 Degree Elbow	2,320.33	517.40
23 31 16 16-0104	EA	60" Fiber Reinforced Plastic 45 Degree Elbow	2,787.29	646.74
23 31 16 16-0105	EA	66" Fiber Reinforced Plastic 45 Degree Elbow	3,278.78	774.37
23 31 16 16-0106	EA	72" Fiber Reinforced Plastic 45 Degree Elbow	3,706.51	880.11
23 31 16 16-0107		**Fiber Reinforced Plastic Tee** *(23 31 16 16-0001)*		
23 31 16 16-0108	EA	2" Fiber Reinforced Plastic Tee	218.82	83.32
23 31 16 16-0109	EA	3" Fiber Reinforced Plastic Tee	258.69	100.36
23 31 16 16-0110	EA	4" Fiber Reinforced Plastic Tee	296.86	116.41
23 31 16 16-0111	EA	6" Fiber Reinforced Plastic Tee	384.40	155.21
23 31 16 16-0112	EA	8" Fiber Reinforced Plastic Tee	470.23	193.06
23 31 16 16-0113	EA	10" Fiber Reinforced Plastic Tee	561.15	233.90
23 31 16 16-0114	EA	12" Fiber Reinforced Plastic Tee	678.20	283.49
23 31 16 16-0115	EA	14" Fiber Reinforced Plastic Tee	739.87	306.77
23 31 16 16-0116	EA	16" Fiber Reinforced Plastic Tee	852.48	333.29
23 31 16 16-0117	EA	18" Fiber Reinforced Plastic Tee	960.65	357.00
23 31 16 16-0118	EA	20" Fiber Reinforced Plastic Tee	1,103.90	388.15
23 31 16 16-0119	EA	24" Fiber Reinforced Plastic Tee	1,260.05	426.96
23 31 16 16-0120	EA	30" Fiber Reinforced Plastic Tee	1,495.78	465.55
23 31 16 16-0121	EA	36" Fiber Reinforced Plastic Tee	1,787.61	524.07
23 31 16 16-0122	EA	42" Fiber Reinforced Plastic Tee	2,341.56	582.29
23 31 16 16-0123	EA	48" Fiber Reinforced Plastic Tee	2,781.62	640.60
23 31 16 16-0124	EA	54" Fiber Reinforced Plastic Tee	3,351.07	776.63
23 31 16 16-0125	EA	60" Fiber Reinforced Plastic Tee	4,017.05	970.55
23 31 16 16-0126	EA	66" Fiber Reinforced Plastic Tee	4,682.42	1,164.03
23 31 16 16-0127	EA	72" Fiber Reinforced Plastic Tee	5,284.94	1,319.90
23 31 16 16-0128		**Fiber Reinforced Plastic Lateral Joint** *(23 31 16 16-0001)*		
23 31 16 16-0129	EA	2" Fiber Reinforced Plastic Lateral Joint	184.53	83.32
23 31 16 16-0130	EA	3" Fiber Reinforced Plastic Lateral Joint	217.53	100.36
23 31 16 16-0131	EA	4" Fiber Reinforced Plastic Lateral Joint	248.90	116.41
23 31 16 16-0132	EA	6" Fiber Reinforced Plastic Lateral Joint	318.21	155.21
23 31 16 16-0133	EA	8" Fiber Reinforced Plastic Lateral Joint	385.75	193.06
23 31 16 16-0134	EA	10" Fiber Reinforced Plastic Lateral Joint	462.94	233.90
23 31 16 16-0135	EA	12" Fiber Reinforced Plastic Lateral Joint	555.03	283.70
23 31 16 16-0136	EA	14" Fiber Reinforced Plastic Lateral Joint	602.27	306.56
23 31 16 16-0137	EA	16" Fiber Reinforced Plastic Lateral Joint	660.74	333.39
23 31 16 16-0138	EA	18" Fiber Reinforced Plastic Lateral Joint	714.36	357.33
23 31 16 16-0139	EA	20" Fiber Reinforced Plastic Lateral Joint	779.87	388.37
23 31 16 16-0140	EA	24" Fiber Reinforced Plastic Lateral Joint	862.41	426.96
23 31 16 16-0141	EA	30" Fiber Reinforced Plastic Lateral Joint	951.45	465.33
23 31 16 16-0142	EA	36" Fiber Reinforced Plastic Lateral Joint	1,074.04	523.75
23 31 16 16-0143	EA	42" Fiber Reinforced Plastic Lateral Joint	1,199.62	582.61
23 31 16 16-0144	EA	48" Fiber Reinforced Plastic Lateral Joint	1,318.62	640.39
23 31 16 16-0145	EA	54" Fiber Reinforced Plastic Lateral Joint	1,576.25	774.37
23 31 16 16-0146	EA	60" Fiber Reinforced Plastic Lateral Joint	1,928.93	972.27
23 31 16 16-0147	EA	66" Fiber Reinforced Plastic Lateral Joint	2,329.98	1,164.89
23 31 16 16-0148	EA	72" Fiber Reinforced Plastic Lateral Joint	2,611.16	1,319.90
23 31 16 16-0149		**Fiber Reinforced Plastic One Piece Reducer** *(23 31 16 16-0001)*		
23 31 16 16-0150	EA	2" Fiber Reinforced Plastic One Piece Reducer	152.58	55.95
23 31 16 16-0151	EA	3" Fiber Reinforced Plastic One Piece Reducer	179.86	66.83
23 31 16 16-0152	EA	4" Fiber Reinforced Plastic One Piece Reducer	211.67	77.61

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 16-0153	EA	6" Fiber Reinforced Plastic One Piece Reducer	273.02	103.48
23 31 16 16-0154	EA	8" Fiber Reinforced Plastic One Piece Reducer	329.84	129.35
23 31 16 16-0155	EA	10" Fiber Reinforced Plastic One Piece Reducer	396.86	155.87
23 31 16 16-0156	EA	12" Fiber Reinforced Plastic One Piece Reducer	472.59	193.06
23 31 16 16-0157	EA	14" Fiber Reinforced Plastic One Piece Reducer	505.09	204.37
23 31 16 16-0158	EA	16" Fiber Reinforced Plastic One Piece Reducer	557.15	221.84
23 31 16 16-0159	EA	18" Fiber Reinforced Plastic One Piece Reducer	611.81	238.21
23 31 16 16-0160	EA	20" Fiber Reinforced Plastic One Piece Reducer	682.54	258.69
23 31 16 16-0161	EA	24" Fiber Reinforced Plastic One Piece Reducer	776.51	284.89
23 31 16 16-0162	EA	30" Fiber Reinforced Plastic One Piece Reducer	870.15	310.97
23 31 16 16-0163	EA	36" Fiber Reinforced Plastic One Piece Reducer	984.86	349.56
23 31 16 16-0164	EA	42" Fiber Reinforced Plastic One Piece Reducer	1,099.81	388.37
23 31 16 16-0165	EA	48" Fiber Reinforced Plastic One Piece Reducer	1,237.19	426.96
23 31 16 16-0166	EA	54" Fiber Reinforced Plastic One Piece Reducer	1,467.92	517.40
23 31 16 16-0167	EA	60" Fiber Reinforced Plastic One Piece Reducer	1,756.63	646.74
23 31 16 16-0168	EA	66" Fiber Reinforced Plastic One Piece Reducer	1,976.17	774.37
23 31 16 16-0169	EA	72" Fiber Reinforced Plastic One Piece Reducer	2,221.08	880.11
23 31 16 16-0170		Fiber Reinforced Plastic Two Piece Reducer *(23 31 16 16-0001)*		
23 31 16 16-0171	EA	2" Fiber Reinforced Plastic Two Piece Reducer	180.00	55.95
23 31 16 16-0172	EA	3" Fiber Reinforced Plastic Two Piece Reducer	198.14	66.83
23 31 16 16-0173	EA	4" Fiber Reinforced Plastic Two Piece Reducer	229.95	77.61
23 31 16 16-0174	EA	6" Fiber Reinforced Plastic Two Piece Reducer	298.16	103.48
23 31 16 16-0175	EA	8" Fiber Reinforced Plastic Two Piece Reducer	366.41	129.35
23 31 16 16-0176	EA	10" Fiber Reinforced Plastic Two Piece Reducer	435.71	155.87
23 31 16 16-0177	EA	12" Fiber Reinforced Plastic Two Piece Reducer	522.86	193.06
23 31 16 16-0178	EA	14" Fiber Reinforced Plastic Two Piece Reducer	569.08	204.37
23 31 16 16-0179	EA	16" Fiber Reinforced Plastic Two Piece Reducer	621.14	221.84
23 31 16 16-0180	EA	18" Fiber Reinforced Plastic Two Piece Reducer	698.65	238.21
23 31 16 16-0181	EA	20" Fiber Reinforced Plastic Two Piece Reducer	874.50	258.69
23 31 16 16-0182	EA	24" Fiber Reinforced Plastic Two Piece Reducer	1,057.60	284.89
23 31 16 16-0183	EA	30" Fiber Reinforced Plastic Two Piece Reducer	1,135.25	310.97
23 31 16 16-0184	EA	36" Fiber Reinforced Plastic Two Piece Reducer	1,291.09	349.56
23 31 16 16-0185	EA	42" Fiber Reinforced Plastic Two Piece Reducer	1,401.46	388.37
23 31 16 16-0186	EA	48" Fiber Reinforced Plastic Two Piece Reducer	1,534.28	426.96
23 31 16 16-0187	EA	54" Fiber Reinforced Plastic Two Piece Reducer	1,707.87	517.40
23 31 16 16-0188	EA	60" Fiber Reinforced Plastic Two Piece Reducer	1,982.87	646.74
23 31 16 16-0189	EA	66" Fiber Reinforced Plastic Two Piece Reducer	2,227.55	774.37
23 31 16 16-0190	EA	72" Fiber Reinforced Plastic Two Piece Reducer	2,449.61	880.11
23 31 16 16-0191		Fiber Reinforced Plastic Butterfly Dampers *(23 31 16 16-0001)*		
23 31 16 16-0192	EA	2" Fiber Reinforced Plastic Damper	466.83	55.83
23 31 16 16-0193	EA	3" Fiber Reinforced Plastic Damper	524.30	66.72
23 31 16 16-0194	EA	4" Fiber Reinforced Plastic Damper	581.75	77.61
23 31 16 16-0195	EA	6" Fiber Reinforced Plastic Damper	683.88	103.48
23 31 16 16-0196	EA	8" Fiber Reinforced Plastic Damper	805.66	129.35
23 31 16 16-0197	EA	10" Fiber Reinforced Plastic Damper	907.80	155.21
23 31 16 16-0198	EA	12" Fiber Reinforced Plastic Damper	1,029.79	193.06
23 31 16 16-0199	EA	14" Fiber Reinforced Plastic Damper	1,147.09	204.37
23 31 16 16-0200	EA	16" Fiber Reinforced Plastic Damper	1,274.76	221.94
23 31 16 16-0201	EA	18" Fiber Reinforced Plastic Damper	1,399.84	238.00
23 31 16 16-0202	EA	20" Fiber Reinforced Plastic Damper	1,493.38	258.69
23 31 16 16-0203	EA	24" Fiber Reinforced Plastic Damper	1,693.85	284.57
23 31 16 16-0204	EA	30" Fiber Reinforced Plastic Damper	1,972.97	310.44
23 31 16 16-0205	EA	36" Fiber Reinforced Plastic Damper	2,273.73	349.24
23 31 16 16-0206	EA	42" Fiber Reinforced Plastic Damper	2,613.79	388.15
23 31 16 16-0207	EA	48" Fiber Reinforced Plastic Damper	2,914.56	426.96
23 31 16 16-0208	EA	54" Fiber Reinforced Plastic Damper	3,419.36	517.40
23 31 16 16-0209	EA	60" Fiber Reinforced Plastic Damper	3,988.99	646.74
23 31 16 16-0210	EA	66" Fiber Reinforced Plastic Damper	4,518.87	775.88
23 31 16 16-0211	EA	72" Fiber Reinforced Plastic Damper	5,202.55	879.25
23 31 16 23		**Fabric Ducts** *(23 31 16)*		
23 31 16 23-0001		Heavy-Duty Fabric Ducts (Zip-A-Duct™) *(23 31 16 23)*		
23 31 16 23-0002		Heavy-Duty Fabric Duct Without Vents *(23 31 16 23-0001)*		
		Note: Includes fabric loops for cable hooks. Requires Suspension Hardware as well as an Inlet Section and Endcap per complete run. See CSI section 23 31 16 23-0064 for suspension hardware.		
23 31 16 23-0003	EA	12" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	199.86	8.84
23 31 16 23-0004	EA	12" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	312.69	11.79
23 31 16 23-0005	EA	16" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	240.82	14.74
23 31 16 23-0006	EA	16" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	358.75	19.37
23 31 16 23-0007	EA	20" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	292.03	20.22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 23-0008	EA	20" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	418.68	26.95
23 31 16 23-0009	EA	24" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	339.92	26.11
23 31 16 23-0010	EA	24" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	478.58	34.53
23 31 16 23-0011	EA	28" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	379.11	29.90
23 31 16 23-0012	EA	28" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	569.06	40.01
23 31 16 23-0013	EA	32" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	417.04	33.27
23 31 16 23-0014	EA	32" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	634.93	44.21
23 31 16 23-0015	EA	36" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	454.16	37.91
23 31 16 23-0016	EA	36" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	732.58	50.53
23 31 16 23-0017		**Heavy-Duty Fabric Duct With Vents** *(23 31 16 23-0001)*		
23 31 16 23-0018	EA	12" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents Note: Excludes suspension cable and hardware.	543.59	11.79
23 31 16 23-0019	EA	16" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents Note: Excludes suspension cable and hardware.	603.51	19.37
23 31 16 23-0020	EA	20" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents Note: Excludes suspension cable and hardware.	674.98	26.95
23 31 16 23-0021	EA	24" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents Note: Excludes suspension cable and hardware.	748.74	34.53
23 31 16 23-0022	EA	28" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents Note: Excludes suspension cable and hardware.	901.56	40.01
23 31 16 23-0023	EA	32" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents Note: Excludes suspension cable and hardware.	967.42	44.21
23 31 16 23-0024	EA	36" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents Note: Excludes suspension cable and hardware.	1,092.79	50.53
23 31 16 23-0025		**Heavy-Duty Fabric Duct 90 Degree Elbow** *(23 31 16 23-0001)*		
23 31 16 23-0026	EA	12" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	405.31	12.64
23 31 16 23-0027	EA	16" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	453.66	20.22
23 31 16 23-0028	EA	20" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	613.48	21.90
23 31 16 23-0029	EA	24" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	749.58	29.48
23 31 16 23-0030	EA	28" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	946.83	32.84
23 31 16 23-0031	EA	32" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	1,179.73	35.79
23 31 16 23-0032	EA	36" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	1,340.38	40.01
23 31 16 23-0033		**Heavy-Duty Fabric Duct 45 Degree Elbow** *(23 31 16 23-0001)*		
23 31 16 23-0034	EA	12" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	310.64	12.64
23 31 16 23-0035	EA	16" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	365.92	20.22
23 31 16 23-0036	EA	20" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	410.29	21.90
23 31 16 23-0037	EA	24" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	479.43	29.48
23 31 16 23-0038	EA	28" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	554.30	32.84
23 31 16 23-0039	EA	32" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	664.82	35.79
23 31 16 23-0040	EA	36" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	758.40	40.01
23 31 16 23-0041		**Heavy-Duty Fabric Duct Tee** *(23 31 16 23-0001)*		
23 31 16 23-0042	EA	16" x 12" x 12" Gray Heavy-Duty Fabric Duct Tee Note: Excludes suspension cable and hardware.	989.71	29.48
23 31 16 23-0043	EA	20" x 16" x 16" Gray Heavy-Duty Fabric Duct Tee Note: Excludes suspension cable and hardware.	1,042.28	31.59
23 31 16 23-0044	EA	24" x 16" x 16" Gray Heavy-Duty Fabric Duct Tee Note: Excludes suspension cable and hardware.	1,130.88	42.53
23 31 16 23-0045	EA	28" x 20" x 20" Gray Heavy-Duty Fabric Duct Tee Note: Excludes suspension cable and hardware.	1,190.07	47.59
23 31 16 23-0046	EA	32" x 24" x 24" Gray Heavy-Duty Fabric Duct Tee Note: Excludes suspension cable and hardware.	1,235.15	51.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 23-0047	EA	36" x 28" x 28" Gray Heavy-Duty Fabric Duct Tee Note: Excludes suspension cable and hardware.	1,295.85	58.11
23 31 16 23-0048		**Heavy-Duty Fabric Duct Inlets** *(23 31 16 23-0001)*		
23 31 16 23-0049	EA	12" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	160.55	12.64
23 31 16 23-0050	EA	16" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	190.44	20.22
23 31 16 23-0051	EA	20" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	204.78	21.90
23 31 16 23-0052	EA	24" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	236.98	29.48
23 31 16 23-0053	EA	28" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	254.13	32.84
23 31 16 23-0054	EA	32" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	272.29	35.79
23 31 16 23-0055	EA	36" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	298.91	40.01
23 31 16 23-0056		**Heavy-Duty Fabric Duct Cap** *(23 31 16 23-0001)*		
23 31 16 23-0057	EA	12" Diameter Gray Heavy-Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	94.43	7.58
23 31 16 23-0058	EA	16" Diameter Gray Heavy-Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	120.02	12.22
23 31 16 23-0059	EA	20" Diameter Gray Heavy-Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	141.04	13.05
23 31 16 23-0060	EA	24" Diameter Gray Heavy-Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	196.63	17.69
23 31 16 23-0061	EA	28" Diameter Gray Heavy-Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	235.35	19.79
23 31 16 23-0062	EA	32" Diameter Gray Heavy-Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	293.56	21.47
23 31 16 23-0063	EA	36" Diameter Gray Heavy-Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	331.23	24.01
23 31 16 23-0064		**Heavy-Duty Fabric Duct Suspension Hardware** *(23 31 16 23-0001)*		
23 31 16 23-0065	EA	12 To 20 Inch Diameter Ducts Fixing Strap With Galvanized Hardware Note: Vertical support straps are recommended every six (6) to ten (10) feet along the length of the duct.	37.00	6.38
23 31 16 23-0066	EA	20 To 36 Inch Diameter Ducts Fixing Strap With Galvanized Hardware Note: Vertical support straps are recommended every six (6) to ten (10) feet along the length of the duct.	57.69	9.57
23 31 16 23-0067	EA	Galvanized Cable Locks For Horizontal Cables Note: Requires two (2) cable locks per support point or per stretcher.	13.75	3.19
23 31 16 23-0068	LF	Galvanized Plastic Coated Cable For Fabric Duct Note: Excludes anchor bolts or anchors.	0.83	0.13
23 31 16 23-0069	EA	Galvanized Stretcher For Straight Fabric Duct Runs	31.89	6.38
23 31 16 23-0070	EA	12 To 20 Inch Diameter Ducts Fixing Strap With Stainless Steel Hardware Note: Vertical support straps are recommended every six (6) to ten (10) feet along the length of the duct.	67.66	6.38
23 31 16 23-0071	EA	20 To 36 Inch Diameter Ducts Fixing Strap With Stainless Steel Hardware Note: Vertical support straps are recommended every six (6) to ten (10) feet along the length of the duct.	92.55	9.57
23 31 16 23-0072	EA	Stainless Steel Cable Locks For Horizontal Cables Note: Requires two (2) cable locks per support point or per stretcher.	18.07	3.19
23 31 16 23-0073	LF	Stainless Steel Plastic Coated Cable For Fabric Duct Note: Excludes anchor bolts or anchors.	2.58	0.13
23 31 16 23-0074	EA	Stainless Steel Stretcher For Straight Fabric Duct Runs	43.07	6.38

23 33 Air Duct Accessories *(23 30)*

23 33 13 Dampers *(23 33)*

23 33 13 13 Volume-Control Dampers *(23 33 13)*

23 33 13 13-0001		**Radial Opposed Blade Damper Steel Construction (Ruskin CDR)** *(23 33 13 13)*		
23 33 13 13-0002	EA	6" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	126.59	10.19
		For Stainless Steel, Add	*113.17*	
		For Parallel Blade Damper, Add	*34.82*	
23 33 13 13-0003	EA	7" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	134.17	11.46
		For Stainless Steel, Add	*114.80*	
		For Parallel Blade Damper, Add	*35.32*	
23 33 13 13-0004	EA	8" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	142.57	12.74
		For Stainless Steel, Add	*116.01*	
		For Parallel Blade Damper, Add	*35.70*	
23 33 13 13-0005	EA	10" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	153.61	15.29
		For Stainless Steel, Add	*123.27*	
		For Parallel Blade Damper, Add	*37.93*	
23 33 13 13-0006	EA	12" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	165.92	16.56
		For Stainless Steel, Add	*130.52*	
		For Parallel Blade Damper, Add	*40.16*	
23 33 13 13-0007	EA	14" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	199.95	17.84
		For Stainless Steel, Add	*166.78*	
		For Parallel Blade Damper, Add	*51.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0008	EA	15" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	218.50	19.10
		For Stainless Steel, Add	*181.27*	
		For Parallel Blade Damper, Add	*55.78*	
23 33 13 13-0009	EA	16" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	229.92	21.65
		For Stainless Steel, Add	*188.50*	
		For Parallel Blade Damper, Add	*58.00*	
23 33 13 13-0010	EA	18" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	253.46	22.93
		For Stainless Steel, Add	*210.26*	
		For Parallel Blade Damper, Add	*64.70*	
23 33 13 13-0011	EA	20" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	300.48	25.48
		For Stainless Steel, Add	*261.03*	
		For Parallel Blade Damper, Add	*80.32*	
23 33 13 13-0012	EA	24" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	332.87	25.48
		For Stainless Steel, Add	*297.25*	
		For Parallel Blade Damper, Add	*91.46*	
23 33 13 13-0013	EA	30" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	382.34	29.30
		For Stainless Steel, Add	*348.00*	
		For Parallel Blade Damper, Add	*107.08*	
23 33 13 13-0014	EA	36" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	412.37	30.57
		For Stainless Steel, Add	*379.21*	
		For Parallel Blade Damper, Add	*116.68*	

23 33 13 13-0015 Rectangular Opposed Blade Damper (Ruskin CD) *(23 33 13 13)*

23 33 13 13-0016	EA	6" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	143.07	14.17
		For Stainless Steel, Add	*130.75*	
		For Parallel Blade Damper, Add	*40.23*	
23 33 13 13-0017	EA	8" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	152.13	14.80
		For Stainless Steel, Add	*140.04*	
		For Parallel Blade Damper, Add	*43.09*	
23 33 13 13-0018	EA	8" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	159.58	14.93
		For Stainless Steel, Add	*149.38*	
		For Parallel Blade Damper, Add	*45.96*	
23 33 13 13-0019	EA	10" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	159.58	14.93
		For Stainless Steel, Add	*149.38*	
		For Parallel Blade Damper, Add	*45.96*	
23 33 13 13-0020	EA	10" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	168.06	15.32
		For Stainless Steel, Add	*158.74*	
		For Parallel Blade Damper, Add	*48.84*	
23 33 13 13-0021	EA	10" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	187.49	16.98
		For Stainless Steel, Add	*177.37*	
		For Parallel Blade Damper, Add	*54.58*	
23 33 13 13-0022	EA	12" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	168.06	15.32
		For Stainless Steel, Add	*158.74*	
		For Parallel Blade Damper, Add	*48.84*	
23 33 13 13-0023	EA	12" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	184.93	16.21
		For Stainless Steel, Add	*177.37*	
		For Parallel Blade Damper, Add	*54.58*	
23 33 13 13-0024	EA	12" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	194.73	16.98
		For Stainless Steel, Add	*186.78*	
		For Parallel Blade Damper, Add	*57.47*	
23 33 13 13-0025	EA	12" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	215.16	19.14
		For Stainless Steel, Add	*205.05*	
		For Parallel Blade Damper, Add	*63.09*	
23 33 13 13-0026	EA	14" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	181.38	16.21
		For Stainless Steel, Add	*172.76*	
		For Parallel Blade Damper, Add	*53.16*	
23 33 13 13-0027	EA	14" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	194.73	16.98
		For Stainless Steel, Add	*186.78*	
		For Parallel Blade Damper, Add	*57.47*	
23 33 13 13-0028	EA	14" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	204.46	17.86
		For Stainless Steel, Add	*196.13*	
		For Parallel Blade Damper, Add	*60.35*	
23 33 13 13-0029	EA	14" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	215.49	19.14
		For Stainless Steel, Add	*205.48*	
		For Parallel Blade Damper, Add	*63.22*	
23 33 13 13-0030	EA	14" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	239.80	21.31
		For Stainless Steel, Add	*228.79*	
		For Parallel Blade Damper, Add	*70.40*	
23 33 13 13-0031	EA	16" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	194.73	16.98
		For Stainless Steel, Add	*186.78*	
		For Parallel Blade Damper, Add	*57.47*	
23 33 13 13-0032	EA	16" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	205.74	18.25
		For Stainless Steel, Add	*196.13*	
		For Parallel Blade Damper, Add	*60.35*	
23 33 13 13-0033	EA	16" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	218.04	20.03
		For Stainless Steel, Add	*205.48*	
		For Parallel Blade Damper, Add	*63.22*	
23 33 13 13-0034	EA	16" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	229.02	21.31
		For Stainless Steel, Add	*214.77*	
		For Parallel Blade Damper, Add	*66.08*	
23 33 13 13-0035	EA	16" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	253.42	23.35
		For Stainless Steel, Add	*238.20*	
		For Parallel Blade Damper, Add	*73.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0036	EA	16" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	277.73	25.52
		For Stainless Steel, Add	*261.51*	
		For Parallel Blade Damper, Add	*80.46*	
23 33 13 13-0037	EA	18" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	204.46	17.86
		For Stainless Steel, Add	*196.13*	
		For Parallel Blade Damper, Add	*60.35*	
23 33 13 13-0038	EA	18" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	219.04	19.14
		For Stainless Steel, Add	*210.09*	
		For Parallel Blade Damper, Add	*64.64*	
23 33 13 13-0039	EA	18" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	236.26	21.31
		For Stainless Steel, Add	*224.19*	
		For Parallel Blade Damper, Add	*68.98*	
23 33 13 13-0040	EA	18" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	260.62	23.35
		For Stainless Steel, Add	*247.56*	
		For Parallel Blade Damper, Add	*76.17*	
23 33 13 13-0041	EA	18" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	281.33	25.52
		For Stainless Steel, Add	*266.19*	
		For Parallel Blade Damper, Add	*81.90*	
23 33 13 13-0042	EA	18" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	295.51	27.56
		For Stainless Steel, Add	*276.34*	
		For Parallel Blade Damper, Add	*85.03*	
23 33 13 13-0043	EA	18" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	312.18	29.73
		For Stainless Steel, Add	*289.72*	
		For Parallel Blade Damper, Add	*89.14*	
23 33 13 13-0044	EA	20" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	201.12	19.14
		For Stainless Steel, Add	*186.80*	
		For Parallel Blade Damper, Add	*57.48*	
23 33 13 13-0045	EA	20" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	220.53	21.31
		For Stainless Steel, Add	*203.74*	
		For Parallel Blade Damper, Add	*62.69*	
23 33 13 13-0046	EA	20" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	239.99	23.35
		For Stainless Steel, Add	*220.74*	
		For Parallel Blade Damper, Add	*67.92*	
23 33 13 13-0047	EA	20" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	272.52	25.52
		For Stainless Steel, Add	*254.74*	
		For Parallel Blade Damper, Add	*78.38*	
23 33 13 13-0048	EA	20" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	288.70	27.56
		For Stainless Steel, Add	*267.49*	
		For Parallel Blade Damper, Add	*82.30*	
23 33 13 13-0049	EA	20" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	304.88	29.73
		For Stainless Steel, Add	*280.23*	
		For Parallel Blade Damper, Add	*86.22*	
23 33 13 13-0050	EA	20" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	324.30	31.91
		For Stainless Steel, Add	*297.17*	
		For Parallel Blade Damper, Add	*91.44*	
23 33 13 13-0051	EA	20" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	343.71	33.94
		For Stainless Steel, Add	*314.11*	
		For Parallel Blade Damper, Add	*96.65*	
23 33 13 13-0052	EA	24" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	227.07	21.31
		For Stainless Steel, Add	*212.24*	
		For Parallel Blade Damper, Add	*65.30*	
23 33 13 13-0053	EA	24" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	253.07	23.35
		For Stainless Steel, Add	*237.74*	
		For Parallel Blade Damper, Add	*73.15*	
23 33 13 13-0054	EA	24" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	272.52	25.52
		For Stainless Steel, Add	*254.74*	
		For Parallel Blade Damper, Add	*78.38*	
23 33 13 13-0055	EA	24" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	298.50	27.56
		For Stainless Steel, Add	*280.23*	
		For Parallel Blade Damper, Add	*86.22*	
23 33 13 13-0056	EA	24" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	314.65	29.73
		For Stainless Steel, Add	*292.93*	
		For Parallel Blade Damper, Add	*90.13*	
23 33 13 13-0057	EA	24" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	330.84	31.91
		For Stainless Steel, Add	*305.67*	
		For Parallel Blade Damper, Add	*94.05*	
23 33 13 13-0058	EA	24" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	356.79	33.94
		For Stainless Steel, Add	*331.11*	
		For Parallel Blade Damper, Add	*101.88*	
23 33 13 13-0059	EA	24" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	389.12	38.29
		For Stainless Steel, Add	*356.55*	
		For Parallel Blade Damper, Add	*109.71*	
23 33 13 13-0060	EA	24" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	428.07	42.49
		For Stainless Steel, Add	*390.60*	
		For Parallel Blade Damper, Add	*120.18*	
23 33 13 13-0061	EA	28" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	253.07	23.35
		For Stainless Steel, Add	*237.74*	
		For Parallel Blade Damper, Add	*73.15*	
23 33 13 13-0062	EA	28" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	272.52	25.52
		For Stainless Steel, Add	*254.74*	
		For Parallel Blade Damper, Add	*78.38*	
23 33 13 13-0063	EA	28" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	298.50	27.56
		For Stainless Steel, Add	*280.23*	
		For Parallel Blade Damper, Add	*86.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0064	EA	28" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	317.91	29.73
		For Stainless Steel, Add	*297.17*	
		For Parallel Blade Damper, Add	*91.44*	
23 33 13 13-0065	EA	28" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	340.60	31.91
		For Stainless Steel, Add	*318.36*	
		For Parallel Blade Damper, Add	*97.96*	
23 33 13 13-0066	EA	28" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	363.28	33.94
		For Stainless Steel, Add	*339.55*	
		For Parallel Blade Damper, Add	*104.48*	
23 33 13 13-0067	EA	28" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	395.66	38.29
		For Stainless Steel, Add	*365.05*	
		For Parallel Blade Damper, Add	*112.32*	
23 33 13 13-0068	EA	28" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	428.07	42.49
		For Stainless Steel, Add	*390.60*	
		For Parallel Blade Damper, Add	*120.18*	
23 33 13 13-0069	EA	28" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	473.59	44.67
		For Stainless Steel, Add	*441.48*	
		For Parallel Blade Damper, Add	*135.84*	
23 33 13 13-0070	EA	28" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	518.99	48.87
		For Stainless Steel, Add	*483.91*	
		For Parallel Blade Damper, Add	*148.90*	
23 33 13 13-0071	EA	32" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	292.13	25.52
		For Stainless Steel, Add	*280.23*	
		For Parallel Blade Damper, Add	*86.22*	
23 33 13 13-0072	EA	32" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	305.00	27.56
		For Stainless Steel, Add	*288.68*	
		For Parallel Blade Damper, Add	*88.82*	
23 33 13 13-0073	EA	32" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	317.91	29.73
		For Stainless Steel, Add	*297.17*	
		For Parallel Blade Damper, Add	*91.44*	
23 33 13 13-0074	EA	32" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	337.33	31.91
		For Stainless Steel, Add	*314.11*	
		For Parallel Blade Damper, Add	*96.65*	
23 33 13 13-0075	EA	32" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	364.55	33.94
		For Stainless Steel, Add	*341.20*	
		For Parallel Blade Damper, Add	*104.98*	
23 33 13 13-0076	EA	32" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	395.66	38.29
		For Stainless Steel, Add	*365.05*	
		For Parallel Blade Damper, Add	*112.32*	
23 33 13 13-0077	EA	32" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	434.61	42.49
		For Stainless Steel, Add	*399.10*	
		For Parallel Blade Damper, Add	*122.80*	
23 33 13 13-0078	EA	32" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	473.48	46.71
		For Stainless Steel, Add	*433.04*	
		For Parallel Blade Damper, Add	*133.24*	
23 33 13 13-0079	EA	32" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	518.99	48.87
		For Stainless Steel, Add	*483.91*	
		For Parallel Blade Damper, Add	*148.90*	
23 33 13 13-0080	EA	32" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	574.97	52.32
		For Stainless Steel, Add	*543.41*	
		For Parallel Blade Damper, Add	*167.20*	
23 33 13 13-0081	EA	32" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	636.16	55.25
		For Stainless Steel, Add	*611.34*	
		For Parallel Blade Damper, Add	*188.10*	
23 33 13 13-0082	EA	36" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	318.07	27.56
		For Stainless Steel, Add	*305.67*	
		For Parallel Blade Damper, Add	*94.05*	
23 33 13 13-0083	EA	36" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	337.48	29.73
		For Stainless Steel, Add	*322.61*	
		For Parallel Blade Damper, Add	*99.26*	
23 33 13 13-0084	EA	36" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	356.90	31.91
		For Stainless Steel, Add	*339.55*	
		For Parallel Blade Damper, Add	*104.48*	
23 33 13 13-0085	EA	36" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	382.90	33.94
		For Stainless Steel, Add	*365.05*	
		For Parallel Blade Damper, Add	*112.32*	
23 33 13 13-0086	EA	36" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	405.51	38.29
		For Stainless Steel, Add	*377.86*	
		For Parallel Blade Damper, Add	*116.26*	
23 33 13 13-0087	EA	36" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	421.69	40.33
		For Stainless Steel, Add	*390.60*	
		For Parallel Blade Damper, Add	*120.18*	
23 33 13 13-0088	EA	36" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	473.48	46.71
		For Stainless Steel, Add	*433.04*	
		For Parallel Blade Damper, Add	*133.24*	
23 33 13 13-0089	EA	36" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	518.85	51.05
		For Stainless Steel, Add	*475.42*	
		For Parallel Blade Damper, Add	*146.28*	
23 33 13 13-0090	EA	36" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	563.17	52.71
		For Stainless Steel, Add	*526.41*	
		For Parallel Blade Damper, Add	*161.97*	
23 33 13 13-0091	EA	36" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	626.86	56.53
		For Stainless Steel, Add	*594.28*	
		For Parallel Blade Damper, Add	*182.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0092	EA	36" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	681.52	59.47
		For Stainless Steel, Add	*653.72*	
		For Parallel Blade Damper, Add	*201.14*	
23 33 13 13-0093	EA	36" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	740.16	61.63
		For Stainless Steel, Add	*721.66*	
		For Parallel Blade Damper, Add	*222.05*	
23 33 13 13-0094	EA	40" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	330.94	31.91
		For Stainless Steel, Add	*314.11*	
		For Parallel Blade Damper, Add	*96.65*	
23 33 13 13-0095	EA	40" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	363.44	33.94
		For Stainless Steel, Add	*348.05*	
		For Parallel Blade Damper, Add	*107.09*	
23 33 13 13-0096	EA	40" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	376.36	36.11
		For Stainless Steel, Add	*356.55*	
		For Parallel Blade Damper, Add	*109.71*	
23 33 13 13-0097	EA	40" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	389.28	38.29
		For Stainless Steel, Add	*365.05*	
		For Parallel Blade Damper, Add	*112.32*	
23 33 13 13-0098	EA	40" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	424.92	40.33
		For Stainless Steel, Add	*394.80*	
		For Parallel Blade Damper, Add	*121.48*	
23 33 13 13-0099	EA	40" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	454.18	42.49
		For Stainless Steel, Add	*424.54*	
		For Parallel Blade Damper, Add	*130.63*	
23 33 13 13-0100	EA	40" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	499.43	48.87
		For Stainless Steel, Add	*458.48*	
		For Parallel Blade Damper, Add	*141.07*	
23 33 13 13-0101	EA	40" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	538.35	53.09
		For Stainless Steel, Add	*492.48*	
		For Parallel Blade Damper, Add	*151.53*	
23 33 13 13-0102	EA	40" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	587.73	56.53
		For Stainless Steel, Add	*543.41*	
		For Parallel Blade Damper, Add	*167.20*	
23 33 13 13-0103	EA	40" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	668.49	59.47
		For Stainless Steel, Add	*636.78*	
		For Parallel Blade Damper, Add	*195.93*	
23 33 13 13-0104	EA	40" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	717.84	62.91
		For Stainless Steel, Add	*687.66*	
		For Parallel Blade Damper, Add	*211.59*	
23 33 13 13-0105	EA	40" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	794.81	64.57
		For Stainless Steel, Add	*781.09*	
		For Parallel Blade Damper, Add	*240.34*	
23 33 13 13-0106	EA	40" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	870.35	68.02
		For Stainless Steel, Add	*866.02*	
		For Parallel Blade Damper, Add	*266.47*	
23 33 13 13-0107	EA	44" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	350.41	31.91
		For Stainless Steel, Add	*331.11*	
		For Parallel Blade Damper, Add	*101.88*	
23 33 13 13-0108	EA	44" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	382.90	33.94
		For Stainless Steel, Add	*365.05*	
		For Parallel Blade Damper, Add	*112.32*	
23 33 13 13-0109	EA	44" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	408.93	36.11
		For Stainless Steel, Add	*390.60*	
		For Parallel Blade Damper, Add	*120.18*	
23 33 13 13-0110	EA	44" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	421.85	38.29
		For Stainless Steel, Add	*399.10*	
		For Parallel Blade Damper, Add	*122.80*	
23 33 13 13-0111	EA	44" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	454.34	40.33
		For Stainless Steel, Add	*433.04*	
		For Parallel Blade Damper, Add	*133.24*	
23 33 13 13-0112	EA	44" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	486.82	42.49
		For Stainless Steel, Add	*466.97*	
		For Parallel Blade Damper, Add	*143.68*	
23 33 13 13-0113	EA	44" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	545.04	51.05
		For Stainless Steel, Add	*509.47*	
		For Parallel Blade Damper, Add	*156.76*	
23 33 13 13-0114	EA	44" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	590.40	55.25
		For Stainless Steel, Add	*551.85*	
		For Parallel Blade Damper, Add	*169.80*	
23 33 13 13-0115	EA	44" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	668.49	59.47
		For Stainless Steel, Add	*636.78*	
		For Parallel Blade Damper, Add	*195.93*	
23 33 13 13-0116	EA	44" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	740.05	63.81
		For Stainless Steel, Add	*713.22*	
		For Parallel Blade Damper, Add	*219.45*	
23 33 13 13-0117	EA	44" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	818.05	68.02
		For Stainless Steel, Add	*798.03*	
		For Parallel Blade Damper, Add	*245.55*	
23 33 13 13-0118	EA	44" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	883.22	70.05
		For Stainless Steel, Add	*874.46*	
		For Parallel Blade Damper, Add	*269.06*	
23 33 13 13-0119	EA	44" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	948.41	72.23
		For Stainless Steel, Add	*950.90*	
		For Parallel Blade Damper, Add	*292.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0120	EA	44" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,013.58	74.40
		For Stainless Steel, Add	*1,027.33*	
		For Parallel Blade Damper, Add	*316.10*	
23 33 13 13-0121	EA	48" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	376.36	33.94
		For Stainless Steel, Add	*356.55*	
		For Parallel Blade Damper, Add	*109.71*	
23 33 13 13-0122	EA	48" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	408.93	36.11
		For Stainless Steel, Add	*390.60*	
		For Parallel Blade Damper, Add	*120.18*	
23 33 13 13-0123	EA	48" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	421.85	38.29
		For Stainless Steel, Add	*399.10*	
		For Parallel Blade Damper, Add	*122.80*	
23 33 13 13-0124	EA	48" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	454.18	42.49
		For Stainless Steel, Add	*424.54*	
		For Parallel Blade Damper, Add	*130.63*	
23 33 13 13-0125	EA	48" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	493.05	46.71
		For Stainless Steel, Add	*458.48*	
		For Parallel Blade Damper, Add	*141.07*	
23 33 13 13-0126	EA	48" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	531.97	51.05
		For Stainless Steel, Add	*492.48*	
		For Parallel Blade Damper, Add	*151.53*	
23 33 13 13-0127	EA	48" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	583.91	55.25
		For Stainless Steel, Add	*543.41*	
		For Parallel Blade Damper, Add	*167.20*	
23 33 13 13-0128	EA	48" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	635.80	59.47
		For Stainless Steel, Add	*594.28*	
		For Parallel Blade Damper, Add	*182.86*	
23 33 13 13-0129	EA	48" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	707.36	63.81
		For Stainless Steel, Add	*670.72*	
		For Parallel Blade Damper, Add	*206.38*	
23 33 13 13-0130	EA	48" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	791.94	68.02
		For Stainless Steel, Add	*764.09*	
		For Parallel Blade Damper, Add	*235.10*	
23 33 13 13-0131	EA	48" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	857.16	70.05
		For Stainless Steel, Add	*840.58*	
		For Parallel Blade Damper, Add	*258.64*	
23 33 13 13-0132	EA	48" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	941.87	72.23
		For Stainless Steel, Add	*942.40*	
		For Parallel Blade Damper, Add	*289.97*	
23 33 13 13-0133	EA	48" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,013.42	76.44
		For Stainless Steel, Add	*1,018.82*	
		For Parallel Blade Damper, Add	*313.48*	
23 33 13 13-0134	EA	48" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,098.16	78.61
		For Stainless Steel, Add	*1,120.69*	
		For Parallel Blade Damper, Add	*344.83*	
23 33 13 13-0135	EA	48" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,169.55	84.99
		For Stainless Steel, Add	*1,188.63*	
		For Parallel Blade Damper, Add	*365.73*	
23 33 13 13-0136	EA	52" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	402.40	36.11
		For Stainless Steel, Add	*382.11*	
		For Parallel Blade Damper, Add	*117.57*	
23 33 13 13-0137	EA	52" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	434.88	38.29
		For Stainless Steel, Add	*416.04*	
		For Parallel Blade Damper, Add	*128.01*	
23 33 13 13-0138	EA	52" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	473.75	42.49
		For Stainless Steel, Add	*449.98*	
		For Parallel Blade Damper, Add	*138.46*	
23 33 13 13-0139	EA	52" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	493.05	46.71
		For Stainless Steel, Add	*458.48*	
		For Parallel Blade Damper, Add	*141.07*	
23 33 13 13-0140	EA	52" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	535.23	51.05
		For Stainless Steel, Add	*496.72*	
		For Parallel Blade Damper, Add	*152.84*	
23 33 13 13-0141	EA	52" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	577.37	55.25
		For Stainless Steel, Add	*534.91*	
		For Parallel Blade Damper, Add	*164.59*	
23 33 13 13-0142	EA	52" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	629.31	59.47
		For Stainless Steel, Add	*585.85*	
		For Parallel Blade Damper, Add	*180.26*	
23 33 13 13-0143	EA	52" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	681.25	63.81
		For Stainless Steel, Add	*636.78*	
		For Parallel Blade Damper, Add	*195.93*	
23 33 13 13-0144	EA	52" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	752.81	68.02
		For Stainless Steel, Add	*713.22*	
		For Parallel Blade Damper, Add	*219.45*	
23 33 13 13-0145	EA	52" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	843.89	72.23
		For Stainless Steel, Add	*815.02*	
		For Parallel Blade Damper, Add	*250.78*	
23 33 13 13-0146	EA	52" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	915.56	74.40
		For Stainless Steel, Add	*899.90*	
		For Parallel Blade Damper, Add	*276.89*	
23 33 13 13-0147	EA	52" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,006.88	76.44
		For Stainless Steel, Add	*1,010.32*	
		For Parallel Blade Damper, Add	*310.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0148	EA	52" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,097.96	80.78
		For Stainless Steel, Add	*1,112.14*	
		For Parallel Blade Damper, Add	*342.20*	
23 33 13 13-0149	EA	52" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,169.55	84.99
		For Stainless Steel, Add	*1,188.63*	
		For Parallel Blade Damper, Add	*365.73*	
23 33 13 13-0150	EA	52" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,267.06	91.37
		For Stainless Steel, Add	*1,290.50*	
		For Parallel Blade Damper, Add	*397.08*	
23 33 13 13-0151	EA	52" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,345.15	95.58
		For Stainless Steel, Add	*1,375.43*	
		For Parallel Blade Damper, Add	*423.21*	
23 33 13 13-0152	EA	56" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	421.85	38.29
		For Stainless Steel, Add	*399.10*	
		For Parallel Blade Damper, Add	*122.80*	
23 33 13 13-0153	EA	56" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	467.21	42.49
		For Stainless Steel, Add	*441.48*	
		For Parallel Blade Damper, Add	*135.84*	
23 33 13 13-0154	EA	56" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	499.58	46.71
		For Stainless Steel, Add	*466.97*	
		For Parallel Blade Damper, Add	*143.68*	
23 33 13 13-0155	EA	56" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	518.85	51.05
		For Stainless Steel, Add	*475.42*	
		For Parallel Blade Damper, Add	*146.28*	
23 33 13 13-0156	EA	56" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	567.56	55.25
		For Stainless Steel, Add	*522.16*	
		For Parallel Blade Damper, Add	*160.66*	
23 33 13 13-0157	EA	56" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	616.23	59.47
		For Stainless Steel, Add	*568.84*	
		For Parallel Blade Damper, Add	*175.03*	
23 33 13 13-0158	EA	56" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	664.91	63.81
		For Stainless Steel, Add	*615.54*	
		For Parallel Blade Damper, Add	*189.40*	
23 33 13 13-0159	EA	56" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	713.58	68.02
		For Stainless Steel, Add	*662.22*	
		For Parallel Blade Damper, Add	*203.76*	
23 33 13 13-0160	EA	56" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	804.71	72.23
		For Stainless Steel, Add	*764.09*	
		For Parallel Blade Damper, Add	*235.10*	
23 33 13 13-0161	EA	56" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	889.50	74.40
		For Stainless Steel, Add	*866.02*	
		For Parallel Blade Damper, Add	*266.47*	
23 33 13 13-0162	EA	56" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	967.70	76.44
		For Stainless Steel, Add	*959.39*	
		For Parallel Blade Damper, Add	*295.20*	
23 33 13 13-0163	EA	56" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,071.90	80.78
		For Stainless Steel, Add	*1,078.26*	
		For Parallel Blade Damper, Add	*331.77*	
23 33 13 13-0164	EA	56" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,163.01	84.99
		For Stainless Steel, Add	*1,180.13*	
		For Parallel Blade Damper, Add	*363.12*	
23 33 13 13-0165	EA	56" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,260.67	89.20
		For Stainless Steel, Add	*1,290.50*	
		For Parallel Blade Damper, Add	*397.08*	
23 33 13 13-0166	EA	56" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,338.77	93.54
		For Stainless Steel, Add	*1,375.43*	
		For Parallel Blade Damper, Add	*423.21*	
23 33 13 13-0167	EA	56" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,436.43	97.75
		For Stainless Steel, Add	*1,485.80*	
		For Parallel Blade Damper, Add	*457.17*	
23 33 13 13-0168	EA	56" x 56" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,534.09	101.96
		For Stainless Steel, Add	*1,596.17*	
		For Parallel Blade Damper, Add	*491.13*	
23 33 13 13-0169	EA	60" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	454.18	42.49
		For Stainless Steel, Add	*424.54*	
		For Parallel Blade Damper, Add	*130.63*	
23 33 13 13-0170	EA	60" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	499.58	46.71
		For Stainless Steel, Add	*466.97*	
		For Parallel Blade Damper, Add	*143.68*	
23 33 13 13-0171	EA	60" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	525.38	51.05
		For Stainless Steel, Add	*483.91*	
		For Parallel Blade Damper, Add	*148.90*	
23 33 13 13-0172	EA	60" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	544.73	55.25
		For Stainless Steel, Add	*492.48*	
		For Parallel Blade Damper, Add	*151.53*	
23 33 13 13-0173	EA	60" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	596.67	59.47
		For Stainless Steel, Add	*543.41*	
		For Parallel Blade Damper, Add	*167.20*	
23 33 13 13-0174	EA	60" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	648.56	63.81
		For Stainless Steel, Add	*594.28*	
		For Parallel Blade Damper, Add	*182.86*	
23 33 13 13-0175	EA	60" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	703.77	68.02
		For Stainless Steel, Add	*649.47*	
		For Parallel Blade Damper, Add	*199.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0176	EA	60" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	758.99	72.23
		For Stainless Steel, Add	*704.65*	
		For Parallel Blade Damper, Add	*216.82*	
23 33 13 13-0177	EA	60" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	850.27	74.40
		For Stainless Steel, Add	*815.02*	
		For Parallel Blade Damper, Add	*250.78*	
23 33 13 13-0178	EA	60" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	935.01	76.44
		For Stainless Steel, Add	*916.89*	
		For Parallel Blade Damper, Add	*282.12*	
23 33 13 13-0179	EA	60" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,032.72	80.78
		For Stainless Steel, Add	*1,027.33*	
		For Parallel Blade Damper, Add	*316.10*	
23 33 13 13-0180	EA	60" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,130.37	84.99
		For Stainless Steel, Add	*1,137.70*	
		For Parallel Blade Damper, Add	*350.06*	
23 33 13 13-0181	EA	60" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,208.42	89.20
		For Stainless Steel, Add	*1,222.57*	
		For Parallel Blade Damper, Add	*376.18*	
23 33 13 13-0182	EA	60" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,325.65	93.54
		For Stainless Steel, Add	*1,358.37*	
		For Parallel Blade Damper, Add	*417.96*	
23 33 13 13-0183	EA	60" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,429.85	97.75
		For Stainless Steel, Add	*1,477.24*	
		For Parallel Blade Damper, Add	*454.54*	
23 33 13 13-0184	EA	60" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,534.09	101.96
		For Stainless Steel, Add	*1,596.17*	
		For Parallel Blade Damper, Add	*491.13*	
23 33 13 13-0185	EA	60" x 56" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,625.13	106.30
		For Stainless Steel, Add	*1,697.93*	
		For Parallel Blade Damper, Add	*522.44*	
23 33 13 13-0186	EA	60" x 60" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,716.34	110.52
		For Stainless Steel, Add	*1,799.92*	
		For Parallel Blade Damper, Add	*553.82*	

23 33 13 16 Fire Dampers *(23 33 13)*

23 33 13 16-0001 Fire Dampers *(23 33 13 16)*

23 33 13 16-0002	SF	Curtain Type, Vertical, Fire Damper	147.51	13.79
		For Smoke Damper, Add	*90.13*	
		For Spring Activated Horizontal Mount Operation, Add	*23.86*	
		For Dynamic Damper, Add	*57.26*	
		For 3 Hour Rated, Add	*31.81*	
23 33 13 16-0003	SF	Louver Type, Vertical, Fire Damper	205.35	13.79
		For Smoke Damper, Add	*139.29*	
		For Spring Activated Horizontal Mount Operation, Add	*36.87*	
		For Dynamic Damper, Add	*88.49*	
		For 3 Hour Rated, Add	*49.16*	

23 33 13 16-0004 Folding Curtain Fire Dampers *(23 33 13 16)*

Note: UL Listed. Air stream 22 gauge galvanized steel construction with fusible link 160 F, gravity actuated for vertical mount 1-1/2 hour fire rating. Damper blades and damper frame are in the air stream.

23 33 13 16-0005	EA	6" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	74.55	14.17
		For Spring Activated Horizontal Mount Operation, Add	*7.21*	
		For Dynamic Damper, Add	*17.31*	
		For 3 Hour Rated, Add	*9.62*	
		For Cap Of Damper Blades Outside Air Stream, Add	*8.02*	
23 33 13 16-0006	EA	8" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	78.75	14.80
		For Spring Activated Horizontal Mount Operation, Add	*7.73*	
		For Dynamic Damper, Add	*18.54*	
		For 3 Hour Rated, Add	*10.30*	
		For Cap Of Damper Blades Outside Air Stream, Add	*8.59*	
23 33 13 16-0007	EA	8" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	81.30	14.93
		For Spring Activated Horizontal Mount Operation, Add	*8.24*	
		For Dynamic Damper, Add	*19.78*	
		For 3 Hour Rated, Add	*10.99*	
		For Cap Of Damper Blades Outside Air Stream, Add	*9.16*	
23 33 13 16-0008	EA	10" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	81.30	14.93
		For Spring Activated Horizontal Mount Operation, Add	*8.24*	
		For Dynamic Damper, Add	*19.78*	
		For 3 Hour Rated, Add	*10.99*	
		For Cap Of Damper Blades Outside Air Stream, Add	*9.16*	
23 33 13 16-0009	EA	10" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	84.88	15.32
		For Spring Activated Horizontal Mount Operation, Add	*8.76*	
		For Dynamic Damper, Add	*21.02*	
		For 3 Hour Rated, Add	*11.68*	
		For Cap Of Damper Blades Outside Air Stream, Add	*9.73*	
23 33 13 16-0010	EA	10" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	94.55	16.98
		For Spring Activated Horizontal Mount Operation, Add	*9.79*	
		For Dynamic Damper, Add	*23.49*	
		For 3 Hour Rated, Add	*13.05*	
		For Cap Of Damper Blades Outside Air Stream, Add	*10.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0011	EA	12" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	84.88	15.32
		For Spring Activated Horizontal Mount Operation, Add	*8.76*	
		For Dynamic Damper, Add	*21.02*	
		For 3 Hour Rated, Add	*11.68*	
		For Cap Of Damper Blades Outside Air Stream, Add	*9.73*	
23 33 13 16-0012	EA	12" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	91.99	16.21
		For Spring Activated Horizontal Mount Operation, Add	*9.79*	
		For Dynamic Damper, Add	*23.49*	
		For 3 Hour Rated, Add	*13.05*	
		For Cap Of Damper Blades Outside Air Stream, Add	*10.88*	
23 33 13 16-0013	EA	12" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	96.84	16.98
		For Spring Activated Horizontal Mount Operation, Add	*10.30*	
		For Dynamic Damper, Add	*24.73*	
		For 3 Hour Rated, Add	*13.74*	
		For Cap Of Damper Blades Outside Air Stream, Add	*11.45*	
23 33 13 16-0014	EA	12" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	105.52	19.14
		For Spring Activated Horizontal Mount Operation, Add	*10.82*	
		For Dynamic Damper, Add	*25.97*	
		For 3 Hour Rated, Add	*14.43*	
		For Cap Of Damper Blades Outside Air Stream, Add	*12.02*	
23 33 13 16-0015	EA	14" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	90.85	16.21
		For Spring Activated Horizontal Mount Operation, Add	*9.53*	
		For Dynamic Damper, Add	*22.87*	
		For 3 Hour Rated, Add	*12.71*	
		For Cap Of Damper Blades Outside Air Stream, Add	*10.59*	
23 33 13 16-0016	EA	14" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	96.84	16.98
		For Spring Activated Horizontal Mount Operation, Add	*10.30*	
		For Dynamic Damper, Add	*24.73*	
		For 3 Hour Rated, Add	*13.74*	
		For Cap Of Damper Blades Outside Air Stream, Add	*11.45*	
23 33 13 16-0017	EA	14" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	101.68	17.86
		For Spring Activated Horizontal Mount Operation, Add	*10.82*	
		For Dynamic Damper, Add	*25.97*	
		For 3 Hour Rated, Add	*14.43*	
		For Cap Of Damper Blades Outside Air Stream, Add	*12.02*	
23 33 13 16-0018	EA	14" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	107.81	19.14
		For Spring Activated Horizontal Mount Operation, Add	*11.34*	
		For Dynamic Damper, Add	*27.21*	
		For 3 Hour Rated, Add	*15.11*	
		For Cap Of Damper Blades Outside Air Stream, Add	*12.60*	
23 33 13 16-0019	EA	14" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	119.92	21.31
		For Spring Activated Horizontal Mount Operation, Add	*12.62*	
		For Dynamic Damper, Add	*30.30*	
		For 3 Hour Rated, Add	*16.83*	
		For Cap Of Damper Blades Outside Air Stream, Add	*14.03*	
23 33 13 16-0020	EA	16" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	96.84	16.98
		For Spring Activated Horizontal Mount Operation, Add	*10.30*	
		For Dynamic Damper, Add	*24.73*	
		For 3 Hour Rated, Add	*13.74*	
		For Cap Of Damper Blades Outside Air Stream, Add	*11.45*	
23 33 13 16-0021	EA	16" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	102.96	18.25
		For Spring Activated Horizontal Mount Operation, Add	*10.82*	
		For Dynamic Damper, Add	*25.97*	
		For 3 Hour Rated, Add	*14.43*	
		For Cap Of Damper Blades Outside Air Stream, Add	*12.02*	
23 33 13 16-0022	EA	16" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	110.36	20.03
		For Spring Activated Horizontal Mount Operation, Add	*11.34*	
		For Dynamic Damper, Add	*27.21*	
		For 3 Hour Rated, Add	*15.11*	
		For Cap Of Damper Blades Outside Air Stream, Add	*12.60*	
23 33 13 16-0023	EA	16" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	116.47	21.31
		For Spring Activated Horizontal Mount Operation, Add	*11.85*	
		For Dynamic Damper, Add	*28.44*	
		For 3 Hour Rated, Add	*15.80*	
		For Cap Of Damper Blades Outside Air Stream, Add	*13.17*	
23 33 13 16-0024	EA	16" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	128.59	23.35
		For Spring Activated Horizontal Mount Operation, Add	*13.14*	
		For Dynamic Damper, Add	*31.54*	
		For 3 Hour Rated, Add	*17.52*	
		For Cap Of Damper Blades Outside Air Stream, Add	*14.60*	
23 33 13 16-0025	EA	16" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	140.70	25.52
		For Spring Activated Horizontal Mount Operation, Add	*14.43*	
		For Dynamic Damper, Add	*34.63*	
		For 3 Hour Rated, Add	*19.24*	
		For Cap Of Damper Blades Outside Air Stream, Add	*16.03*	
23 33 13 16-0026	EA	18" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	101.68	17.86
		For Spring Activated Horizontal Mount Operation, Add	*10.82*	
		For Dynamic Damper, Add	*25.97*	
		For 3 Hour Rated, Add	*14.43*	
		For Cap Of Damper Blades Outside Air Stream, Add	*12.02*	
23 33 13 16-0027	EA	18" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	108.95	19.14
		For Spring Activated Horizontal Mount Operation, Add	*11.59*	
		For Dynamic Damper, Add	*27.82*	
		For 3 Hour Rated, Add	*15.46*	
		For Cap Of Damper Blades Outside Air Stream, Add	*12.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0028	EA	18" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	118.78	21.31
		For Spring Activated Horizontal Mount Operation, Add	*12.37*	
		For Dynamic Damper, Add	*29.68*	
		For 3 Hour Rated, Add	*16.49*	
		For Cap Of Damper Blades Outside Air Stream, Add	*13.74*	
23 33 13 16-0029	EA	18" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	130.88	23.35
		For Spring Activated Horizontal Mount Operation, Add	*13.66*	
		For Dynamic Damper, Add	*32.77*	
		For 3 Hour Rated, Add	*18.21*	
		For Cap Of Damper Blades Outside Air Stream, Add	*15.17*	
23 33 13 16-0030	EA	18" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	141.83	25.52
		For Spring Activated Horizontal Mount Operation, Add	*14.68*	
		For Dynamic Damper, Add	*35.24*	
		For 3 Hour Rated, Add	*19.58*	
		For Cap Of Damper Blades Outside Air Stream, Add	*16.32*	
23 33 13 16-0031	EA	18" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	153.93	27.56
		For Spring Activated Horizontal Mount Operation, Add	*15.97*	
		For Dynamic Damper, Add	*38.33*	
		For 3 Hour Rated, Add	*21.30*	
		For Cap Of Damper Blades Outside Air Stream, Add	*17.75*	
23 33 13 16-0032	EA	18" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	163.74	29.73
		For Spring Activated Horizontal Mount Operation, Add	*16.74*	
		For Dynamic Damper, Add	*40.19*	
		For 3 Hour Rated, Add	*22.33*	
		For Cap Of Damper Blades Outside Air Stream, Add	*18.61*	
23 33 13 16-0033	EA	20" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	107.81	19.14
		For Spring Activated Horizontal Mount Operation, Add	*11.34*	
		For Dynamic Damper, Add	*27.21*	
		For 3 Hour Rated, Add	*15.11*	
		For Cap Of Damper Blades Outside Air Stream, Add	*12.60*	
23 33 13 16-0034	EA	20" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	118.76	21.31
		For Spring Activated Horizontal Mount Operation, Add	*12.36*	
		For Dynamic Damper, Add	*29.67*	
		For 3 Hour Rated, Add	*16.49*	
		For Cap Of Damper Blades Outside Air Stream, Add	*13.74*	
23 33 13 16-0035	EA	20" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	129.73	23.35
		For Spring Activated Horizontal Mount Operation, Add	*13.40*	
		For Dynamic Damper, Add	*32.15*	
		For 3 Hour Rated, Add	*17.86*	
		For Cap Of Damper Blades Outside Air Stream, Add	*14.89*	
23 33 13 16-0036	EA	20" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	145.28	25.52
		For Spring Activated Horizontal Mount Operation, Add	*15.46*	
		For Dynamic Damper, Add	*37.10*	
		For 3 Hour Rated, Add	*20.61*	
		For Cap Of Damper Blades Outside Air Stream, Add	*17.18*	
23 33 13 16-0037	EA	20" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	155.09	27.56
		For Spring Activated Horizontal Mount Operation, Add	*16.23*	
		For Dynamic Damper, Add	*38.96*	
		For 3 Hour Rated, Add	*21.65*	
		For Cap Of Damper Blades Outside Air Stream, Add	*18.04*	
23 33 13 16-0038	EA	20" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	164.90	29.73
		For Spring Activated Horizontal Mount Operation, Add	*17.01*	
		For Dynamic Damper, Add	*40.81*	
		For 3 Hour Rated, Add	*22.67*	
		For Cap Of Damper Blades Outside Air Stream, Add	*18.90*	
23 33 13 16-0039	EA	20" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	175.86	31.91
		For Spring Activated Horizontal Mount Operation, Add	*18.03*	
		For Dynamic Damper, Add	*43.28*	
		For 3 Hour Rated, Add	*24.05*	
		For Cap Of Damper Blades Outside Air Stream, Add	*20.04*	
23 33 13 16-0040	EA	20" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	186.81	33.94
		For Spring Activated Horizontal Mount Operation, Add	*19.06*	
		For Dynamic Damper, Add	*45.75*	
		For 3 Hour Rated, Add	*25.42*	
		For Cap Of Damper Blades Outside Air Stream, Add	*21.18*	
23 33 13 16-0041	EA	24" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	121.05	21.31
		For Spring Activated Horizontal Mount Operation, Add	*12.88*	
		For Dynamic Damper, Add	*30.91*	
		For 3 Hour Rated, Add	*17.17*	
		For Cap Of Damper Blades Outside Air Stream, Add	*14.31*	
23 33 13 16-0042	EA	24" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	134.32	23.35
		For Spring Activated Horizontal Mount Operation, Add	*14.43*	
		For Dynamic Damper, Add	*34.63*	
		For 3 Hour Rated, Add	*19.24*	
		For Cap Of Damper Blades Outside Air Stream, Add	*16.03*	
23 33 13 16-0043	EA	24" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	145.28	25.52
		For Spring Activated Horizontal Mount Operation, Add	*15.46*	
		For Dynamic Damper, Add	*37.10*	
		For 3 Hour Rated, Add	*20.61*	
		For Cap Of Damper Blades Outside Air Stream, Add	*17.18*	
23 33 13 16-0044	EA	24" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	158.52	27.56
		For Spring Activated Horizontal Mount Operation, Add	*17.01*	
		For Dynamic Damper, Add	*40.81*	
		For 3 Hour Rated, Add	*22.67*	
		For Cap Of Damper Blades Outside Air Stream, Add	*18.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0045	EA	24" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	168.33	29.73
		For Spring Activated Horizontal Mount Operation, Add	*17.78*	
		For Dynamic Damper, Add	*42.67*	
		For 3 Hour Rated, Add	*23.70*	
		For Cap Of Damper Blades Outside Air Stream, Add	*19.75*	
23 33 13 16-0046	EA	24" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	178.15	31.91
		For Spring Activated Horizontal Mount Operation, Add	*18.55*	
		For Dynamic Damper, Add	*44.52*	
		For 3 Hour Rated, Add	*24.73*	
		For Cap Of Damper Blades Outside Air Stream, Add	*20.61*	
23 33 13 16-0047	EA	24" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	191.40	33.94
		For Spring Activated Horizontal Mount Operation, Add	*20.09*	
		For Dynamic Damper, Add	*48.23*	
		For 3 Hour Rated, Add	*26.79*	
		For Cap Of Damper Blades Outside Air Stream, Add	*22.33*	
23 33 13 16-0048	EA	24" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	211.02	38.29
		For Spring Activated Horizontal Mount Operation, Add	*21.64*	
		For Dynamic Damper, Add	*51.93*	
		For 3 Hour Rated, Add	*28.85*	
		For Cap Of Damper Blades Outside Air Stream, Add	*24.04*	
23 33 13 16-0049	EA	24" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	232.96	42.49
		For Spring Activated Horizontal Mount Operation, Add	*23.70*	
		For Dynamic Damper, Add	*56.89*	
		For 3 Hour Rated, Add	*31.61*	
		For Cap Of Damper Blades Outside Air Stream, Add	*26.34*	
23 33 13 16-0050	EA	28" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	134.32	23.35
		For Spring Activated Horizontal Mount Operation, Add	*14.43*	
		For Dynamic Damper, Add	*34.63*	
		For 3 Hour Rated, Add	*19.24*	
		For Cap Of Damper Blades Outside Air Stream, Add	*16.03*	
23 33 13 16-0051	EA	28" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	145.28	25.52
		For Spring Activated Horizontal Mount Operation, Add	*15.46*	
		For Dynamic Damper, Add	*37.10*	
		For 3 Hour Rated, Add	*20.61*	
		For Cap Of Damper Blades Outside Air Stream, Add	*17.18*	
23 33 13 16-0052	EA	28" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	158.52	27.56
		For Spring Activated Horizontal Mount Operation, Add	*17.01*	
		For Dynamic Damper, Add	*40.81*	
		For 3 Hour Rated, Add	*22.67*	
		For Cap Of Damper Blades Outside Air Stream, Add	*18.90*	
23 33 13 16-0053	EA	28" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	169.47	29.73
		For Spring Activated Horizontal Mount Operation, Add	*18.03*	
		For Dynamic Damper, Add	*43.28*	
		For 3 Hour Rated, Add	*24.05*	
		For Cap Of Damper Blades Outside Air Stream, Add	*20.04*	
23 33 13 16-0054	EA	28" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	181.58	31.91
		For Spring Activated Horizontal Mount Operation, Add	*19.32*	
		For Dynamic Damper, Add	*46.37*	
		For 3 Hour Rated, Add	*25.76*	
		For Cap Of Damper Blades Outside Air Stream, Add	*21.47*	
23 33 13 16-0055	EA	28" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	193.67	33.94
		For Spring Activated Horizontal Mount Operation, Add	*20.61*	
		For Dynamic Damper, Add	*49.45*	
		For 3 Hour Rated, Add	*27.47*	
		For Cap Of Damper Blades Outside Air Stream, Add	*22.90*	
23 33 13 16-0056	EA	28" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	213.31	38.29
		For Spring Activated Horizontal Mount Operation, Add	*22.15*	
		For Dynamic Damper, Add	*53.17*	
		For 3 Hour Rated, Add	*29.54*	
		For Cap Of Damper Blades Outside Air Stream, Add	*24.62*	
23 33 13 16-0057	EA	28" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	232.96	42.49
		For Spring Activated Horizontal Mount Operation, Add	*23.70*	
		For Dynamic Damper, Add	*56.89*	
		For 3 Hour Rated, Add	*31.61*	
		For Cap Of Damper Blades Outside Air Stream, Add	*26.34*	
23 33 13 16-0058	EA	28" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	253.06	44.67
		For Spring Activated Horizontal Mount Operation, Add	*26.79*	
		For Dynamic Damper, Add	*64.30*	
		For 3 Hour Rated, Add	*35.72*	
		For Cap Of Damper Blades Outside Air Stream, Add	*29.77*	
23 33 13 16-0059	EA	28" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	277.28	48.87
		For Spring Activated Horizontal Mount Operation, Add	*29.37*	
		For Dynamic Damper, Add	*70.49*	
		For 3 Hour Rated, Add	*39.16*	
		For Cap Of Damper Blades Outside Air Stream, Add	*32.63*	
23 33 13 16-0060	EA	32" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	152.15	25.52
		For Spring Activated Horizontal Mount Operation, Add	*17.01*	
		For Dynamic Damper, Add	*40.81*	
		For 3 Hour Rated, Add	*22.67*	
		For Cap Of Damper Blades Outside Air Stream, Add	*18.90*	
23 33 13 16-0061	EA	32" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	160.79	27.56
		For Spring Activated Horizontal Mount Operation, Add	*17.52*	
		For Dynamic Damper, Add	*42.04*	
		For 3 Hour Rated, Add	*23.36*	
		For Cap Of Damper Blades Outside Air Stream, Add	*19.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0062	EA	32" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	169.47	29.73
		For Spring Activated Horizontal Mount Operation, Add	*18.03*	
		For Dynamic Damper, Add	*43.28*	
		For 3 Hour Rated, Add	*24.05*	
		For Cap Of Damper Blades Outside Air Stream, Add	*20.04*	
23 33 13 16-0063	EA	32" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	180.43	31.91
		For Spring Activated Horizontal Mount Operation, Add	*19.06*	
		For Dynamic Damper, Add	*45.75*	
		For 3 Hour Rated, Add	*25.42*	
		For Cap Of Damper Blades Outside Air Stream, Add	*21.18*	
23 33 13 16-0064	EA	32" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	194.11	33.94
		For Spring Activated Horizontal Mount Operation, Add	*20.70*	
		For Dynamic Damper, Add	*49.69*	
		For 3 Hour Rated, Add	*27.61*	
		For Cap Of Damper Blades Outside Air Stream, Add	*23.01*	
23 33 13 16-0065	EA	32" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	213.31	38.29
		For Spring Activated Horizontal Mount Operation, Add	*22.15*	
		For Dynamic Damper, Add	*53.17*	
		For 3 Hour Rated, Add	*29.54*	
		For Cap Of Damper Blades Outside Air Stream, Add	*24.62*	
23 33 13 16-0066	EA	32" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	235.25	42.49
		For Spring Activated Horizontal Mount Operation, Add	*24.22*	
		For Dynamic Damper, Add	*58.13*	
		For 3 Hour Rated, Add	*32.29*	
		For Cap Of Damper Blades Outside Air Stream, Add	*26.91*	
23 33 13 16-0067	EA	32" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	257.17	46.71
		For Spring Activated Horizontal Mount Operation, Add	*26.28*	
		For Dynamic Damper, Add	*63.07*	
		For 3 Hour Rated, Add	*35.04*	
		For Cap Of Damper Blades Outside Air Stream, Add	*29.20*	
23 33 13 16-0068	EA	32" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	277.28	48.87
		For Spring Activated Horizontal Mount Operation, Add	*29.37*	
		For Dynamic Damper, Add	*70.49*	
		For 3 Hour Rated, Add	*39.16*	
		For Cap Of Damper Blades Outside Air Stream, Add	*32.63*	
23 33 13 16-0069	EA	32" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	303.53	52.32
		For Spring Activated Horizontal Mount Operation, Add	*32.98*	
		For Dynamic Damper, Add	*79.15*	
		For 3 Hour Rated, Add	*43.97*	
		For Cap Of Damper Blades Outside Air Stream, Add	*36.64*	
23 33 13 16-0070	EA	32" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	330.78	55.25
		For Spring Activated Horizontal Mount Operation, Add	*37.10*	
		For Dynamic Damper, Add	*89.04*	
		For 3 Hour Rated, Add	*49.46*	
		For Cap Of Damper Blades Outside Air Stream, Add	*41.22*	
23 33 13 16-0071	EA	36" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	165.38	27.56
		For Spring Activated Horizontal Mount Operation, Add	*18.55*	
		For Dynamic Damper, Add	*44.52*	
		For 3 Hour Rated, Add	*24.73*	
		For Cap Of Damper Blades Outside Air Stream, Add	*20.61*	
23 33 13 16-0072	EA	36" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	176.33	29.73
		For Spring Activated Horizontal Mount Operation, Add	*19.58*	
		For Dynamic Damper, Add	*46.99*	
		For 3 Hour Rated, Add	*26.10*	
		For Cap Of Damper Blades Outside Air Stream, Add	*21.75*	
23 33 13 16-0073	EA	36" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	187.29	31.91
		For Spring Activated Horizontal Mount Operation, Add	*20.61*	
		For Dynamic Damper, Add	*49.45*	
		For 3 Hour Rated, Add	*27.47*	
		For Cap Of Damper Blades Outside Air Stream, Add	*22.90*	
23 33 13 16-0074	EA	36" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	200.55	33.94
		For Spring Activated Horizontal Mount Operation, Add	*22.15*	
		For Dynamic Damper, Add	*53.17*	
		For 3 Hour Rated, Add	*29.54*	
		For Cap Of Damper Blades Outside Air Stream, Add	*24.62*	
23 33 13 16-0075	EA	36" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	216.76	38.29
		For Spring Activated Horizontal Mount Operation, Add	*22.93*	
		For Dynamic Damper, Add	*55.03*	
		For 3 Hour Rated, Add	*30.57*	
		For Cap Of Damper Blades Outside Air Stream, Add	*25.48*	
23 33 13 16-0076	EA	36" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	226.58	40.33
		For Spring Activated Horizontal Mount Operation, Add	*23.70*	
		For Dynamic Damper, Add	*56.89*	
		For 3 Hour Rated, Add	*31.61*	
		For Cap Of Damper Blades Outside Air Stream, Add	*26.34*	
23 33 13 16-0077	EA	36" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	257.17	46.71
		For Spring Activated Horizontal Mount Operation, Add	*26.28*	
		For Dynamic Damper, Add	*63.07*	
		For 3 Hour Rated, Add	*35.04*	
		For Cap Of Damper Blades Outside Air Stream, Add	*29.20*	
23 33 13 16-0078	EA	36" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	281.37	51.05
		For Spring Activated Horizontal Mount Operation, Add	*28.85*	
		For Dynamic Damper, Add	*69.24*	
		For 3 Hour Rated, Add	*38.47*	
		For Cap Of Damper Blades Outside Air Stream, Add	*32.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0079	EA	36" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	239.37	52.71
		For Spring Activated Horizontal Mount Operation, Add	*18.25*	
		For Dynamic Damper, Add	*43.81*	
		For 3 Hour Rated, Add	*24.34*	
		For Cap Of Damper Blades Outside Air Stream, Add	*20.28*	
23 33 13 16-0080	EA	36" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	330.02	56.53
		For Spring Activated Horizontal Mount Operation, Add	*36.07*	
		For Dynamic Damper, Add	*86.56*	
		For 3 Hour Rated, Add	*48.09*	
		For Cap Of Damper Blades Outside Air Stream, Add	*40.08*	
23 33 13 16-0081	EA	36" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	354.98	59.47
		For Spring Activated Horizontal Mount Operation, Add	*39.67*	
		For Dynamic Damper, Add	*95.21*	
		For 3 Hour Rated, Add	*52.90*	
		For Cap Of Damper Blades Outside Air Stream, Add	*44.08*	
23 33 13 16-0082	EA	36" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	379.67	61.63
		For Spring Activated Horizontal Mount Operation, Add	*43.79*	
		For Dynamic Damper, Add	*105.10*	
		For 3 Hour Rated, Add	*58.39*	
		For Cap Of Damper Blades Outside Air Stream, Add	*48.66*	
23 33 13 16-0083	EA	40" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	174.04	31.91
		For Spring Activated Horizontal Mount Operation, Add	*19.06*	
		For Dynamic Damper, Add	*45.75*	
		For 3 Hour Rated, Add	*25.42*	
		For Cap Of Damper Blades Outside Air Stream, Add	*21.18*	
23 33 13 16-0084	EA	40" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	189.59	33.94
		For Spring Activated Horizontal Mount Operation, Add	*21.12*	
		For Dynamic Damper, Add	*50.70*	
		For 3 Hour Rated, Add	*28.16*	
		For Cap Of Damper Blades Outside Air Stream, Add	*23.47*	
23 33 13 16-0085	EA	40" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	198.26	36.11
		For Spring Activated Horizontal Mount Operation, Add	*21.64*	
		For Dynamic Damper, Add	*51.93*	
		For 3 Hour Rated, Add	*28.85*	
		For Cap Of Damper Blades Outside Air Stream, Add	*24.04*	
23 33 13 16-0086	EA	40" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	206.93	38.29
		For Spring Activated Horizontal Mount Operation, Add	*22.15*	
		For Dynamic Damper, Add	*53.17*	
		For 3 Hour Rated, Add	*29.54*	
		For Cap Of Damper Blades Outside Air Stream, Add	*24.62*	
23 33 13 16-0087	EA	40" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	227.71	40.33
		For Spring Activated Horizontal Mount Operation, Add	*23.96*	
		For Dynamic Damper, Add	*57.50*	
		For 3 Hour Rated, Add	*31.94*	
		For Cap Of Damper Blades Outside Air Stream, Add	*26.62*	
23 33 13 16-0088	EA	40" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	242.11	42.49
		For Spring Activated Horizontal Mount Operation, Add	*25.76*	
		For Dynamic Damper, Add	*61.83*	
		For 3 Hour Rated, Add	*34.35*	
		For Cap Of Damper Blades Outside Air Stream, Add	*28.63*	
23 33 13 16-0089	EA	40" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	270.41	48.87
		For Spring Activated Horizontal Mount Operation, Add	*27.82*	
		For Dynamic Damper, Add	*66.78*	
		For 3 Hour Rated, Add	*37.10*	
		For Cap Of Damper Blades Outside Air Stream, Add	*30.92*	
23 33 13 16-0090	EA	40" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	292.34	53.09
		For Spring Activated Horizontal Mount Operation, Add	*29.88*	
		For Dynamic Damper, Add	*71.72*	
		For 3 Hour Rated, Add	*39.85*	
		For Cap Of Damper Blades Outside Air Stream, Add	*33.21*	
23 33 13 16-0091	EA	40" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	316.29	56.53
		For Spring Activated Horizontal Mount Operation, Add	*32.98*	
		For Dynamic Damper, Add	*79.15*	
		For 3 Hour Rated, Add	*43.97*	
		For Cap Of Damper Blades Outside Air Stream, Add	*36.64*	
23 33 13 16-0092	EA	40" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	350.41	59.47
		For Spring Activated Horizontal Mount Operation, Add	*38.64*	
		For Dynamic Damper, Add	*92.75*	
		For 3 Hour Rated, Add	*51.53*	
		For Cap Of Damper Blades Outside Air Stream, Add	*42.94*	
23 33 13 16-0093	EA	40" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	374.35	62.91
		For Spring Activated Horizontal Mount Operation, Add	*41.73*	
		For Dynamic Damper, Add	*100.16*	
		For 3 Hour Rated, Add	*55.64*	
		For Cap Of Damper Blades Outside Air Stream, Add	*46.37*	
23 33 13 16-0094	EA	40" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	404.64	64.57
		For Spring Activated Horizontal Mount Operation, Add	*47.40*	
		For Dynamic Damper, Add	*113.76*	
		For 3 Hour Rated, Add	*63.20*	
		For Cap Of Damper Blades Outside Air Stream, Add	*52.67*	
23 33 13 16-0095	EA	40" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	437.76	68.02
		For Spring Activated Horizontal Mount Operation, Add	*52.56*	
		For Dynamic Damper, Add	*126.13*	
		For 3 Hour Rated, Add	*70.07*	
		For Cap Of Damper Blades Outside Air Stream, Add	*58.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0096	EA	44" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	185.02	31.91
		For Spring Activated Horizontal Mount Operation, Add	*20.09*	
		For Dynamic Damper, Add	*48.23*	
		For 3 Hour Rated, Add	*26.79*	
		For Cap Of Damper Blades Outside Air Stream, Add	*22.33*	
23 33 13 16-0097	EA	44" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	200.55	33.94
		For Spring Activated Horizontal Mount Operation, Add	*22.15*	
		For Dynamic Damper, Add	*53.17*	
		For 3 Hour Rated, Add	*29.54*	
		For Cap Of Damper Blades Outside Air Stream, Add	*24.62*	
23 33 13 16-0098	EA	44" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	213.82	36.11
		For Spring Activated Horizontal Mount Operation, Add	*23.70*	
		For Dynamic Damper, Add	*56.89*	
		For 3 Hour Rated, Add	*31.61*	
		For Cap Of Damper Blades Outside Air Stream, Add	*26.34*	
23 33 13 16-0099	EA	44" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	222.49	38.29
		For Spring Activated Horizontal Mount Operation, Add	*24.22*	
		For Dynamic Damper, Add	*58.13*	
		For 3 Hour Rated, Add	*32.29*	
		For Cap Of Damper Blades Outside Air Stream, Add	*26.91*	
23 33 13 16-0100	EA	44" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	238.03	40.33
		For Spring Activated Horizontal Mount Operation, Add	*26.28*	
		For Dynamic Damper, Add	*63.07*	
		For 3 Hour Rated, Add	*35.04*	
		For Cap Of Damper Blades Outside Air Stream, Add	*29.20*	
23 33 13 16-0101	EA	44" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	253.57	42.49
		For Spring Activated Horizontal Mount Operation, Add	*28.34*	
		For Dynamic Damper, Add	*68.02*	
		For 3 Hour Rated, Add	*37.79*	
		For Cap Of Damper Blades Outside Air Stream, Add	*31.49*	
23 33 13 16-0102	EA	44" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	290.55	51.05
		For Spring Activated Horizontal Mount Operation, Add	*30.92*	
		For Dynamic Damper, Add	*74.20*	
		For 3 Hour Rated, Add	*41.22*	
		For Cap Of Damper Blades Outside Air Stream, Add	*34.35*	
23 33 13 16-0103	EA	44" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	314.74	55.25
		For Spring Activated Horizontal Mount Operation, Add	*33.49*	
		For Dynamic Damper, Add	*80.37*	
		For 3 Hour Rated, Add	*44.65*	
		For Cap Of Damper Blades Outside Air Stream, Add	*37.21*	
23 33 13 16-0104	EA	44" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	350.41	59.47
		For Spring Activated Horizontal Mount Operation, Add	*38.64*	
		For Dynamic Damper, Add	*92.75*	
		For 3 Hour Rated, Add	*51.53*	
		For Cap Of Damper Blades Outside Air Stream, Add	*42.94*	
23 33 13 16-0105	EA	44" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	383.78	63.81
		For Spring Activated Horizontal Mount Operation, Add	*43.28*	
		For Dynamic Damper, Add	*103.87*	
		For 3 Hour Rated, Add	*57.71*	
		For Cap Of Damper Blades Outside Air Stream, Add	*48.09*	
23 33 13 16-0106	EA	44" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	419.43	68.02
		For Spring Activated Horizontal Mount Operation, Add	*48.43*	
		For Dynamic Damper, Add	*116.24*	
		For 3 Hour Rated, Add	*64.58*	
		For Cap Of Damper Blades Outside Air Stream, Add	*53.81*	
23 33 13 16-0107	EA	44" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	446.42	70.05
		For Spring Activated Horizontal Mount Operation, Add	*53.07*	
		For Dynamic Damper, Add	*127.36*	
		For 3 Hour Rated, Add	*70.76*	
		For Cap Of Damper Blades Outside Air Stream, Add	*58.97*	
23 33 13 16-0108	EA	44" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	473.42	72.23
		For Spring Activated Horizontal Mount Operation, Add	*57.71*	
		For Dynamic Damper, Add	*138.49*	
		For 3 Hour Rated, Add	*76.94*	
		For Cap Of Damper Blades Outside Air Stream, Add	*64.12*	
23 33 13 16-0109	EA	44" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	500.42	74.40
		For Spring Activated Horizontal Mount Operation, Add	*62.35*	
		For Dynamic Damper, Add	*149.63*	
		For 3 Hour Rated, Add	*83.13*	
		For Cap Of Damper Blades Outside Air Stream, Add	*69.27*	
23 33 13 16-0110	EA	48" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	198.26	33.94
		For Spring Activated Horizontal Mount Operation, Add	*21.64*	
		For Dynamic Damper, Add	*51.93*	
		For 3 Hour Rated, Add	*28.85*	
		For Cap Of Damper Blades Outside Air Stream, Add	*24.04*	
23 33 13 16-0111	EA	48" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	213.82	36.11
		For Spring Activated Horizontal Mount Operation, Add	*23.70*	
		For Dynamic Damper, Add	*56.89*	
		For 3 Hour Rated, Add	*31.61*	
		For Cap Of Damper Blades Outside Air Stream, Add	*26.34*	
23 33 13 16-0112	EA	48" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	222.49	38.29
		For Spring Activated Horizontal Mount Operation, Add	*24.22*	
		For Dynamic Damper, Add	*58.13*	
		For 3 Hour Rated, Add	*32.29*	
		For Cap Of Damper Blades Outside Air Stream, Add	*26.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0113	EA	48" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	242.11	42.49
		For Spring Activated Horizontal Mount Operation, Add	*25.76*	
		For Dynamic Damper, Add	*61.83*	
		For 3 Hour Rated, Add	*34.35*	
		For Cap Of Damper Blades Outside Air Stream, Add	*28.63*	
23 33 13 16-0114	EA	48" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	264.03	46.71
		For Spring Activated Horizontal Mount Operation, Add	*27.82*	
		For Dynamic Damper, Add	*66.78*	
		For 3 Hour Rated, Add	*37.10*	
		For Cap Of Damper Blades Outside Air Stream, Add	*30.92*	
23 33 13 16-0115	EA	48" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	285.96	51.05
		For Spring Activated Horizontal Mount Operation, Add	*29.88*	
		For Dynamic Damper, Add	*71.72*	
		For 3 Hour Rated, Add	*39.85*	
		For Cap Of Damper Blades Outside Air Stream, Add	*33.21*	
23 33 13 16-0116	EA	48" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	312.47	55.25
		For Spring Activated Horizontal Mount Operation, Add	*32.98*	
		For Dynamic Damper, Add	*79.15*	
		For 3 Hour Rated, Add	*43.97*	
		For Cap Of Damper Blades Outside Air Stream, Add	*36.64*	
23 33 13 16-0117	EA	48" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	338.96	59.47
		For Spring Activated Horizontal Mount Operation, Add	*36.07*	
		For Dynamic Damper, Add	*86.56*	
		For 3 Hour Rated, Add	*48.09*	
		For Cap Of Damper Blades Outside Air Stream, Add	*40.08*	
23 33 13 16-0118	EA	48" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	372.33	63.81
		For Spring Activated Horizontal Mount Operation, Add	*40.70*	
		For Dynamic Damper, Add	*97.69*	
		For 3 Hour Rated, Add	*54.27*	
		For Cap Of Damper Blades Outside Air Stream, Add	*45.23*	
23 33 13 16-0119	EA	48" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	410.27	68.02
		For Spring Activated Horizontal Mount Operation, Add	*46.37*	
		For Dynamic Damper, Add	*111.29*	
		For 3 Hour Rated, Add	*61.83*	
		For Cap Of Damper Blades Outside Air Stream, Add	*51.52*	
23 33 13 16-0120	EA	48" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	437.27	70.05
		For Spring Activated Horizontal Mount Operation, Add	*51.01*	
		For Dynamic Damper, Add	*122.42*	
		For 3 Hour Rated, Add	*68.01*	
		For Cap Of Damper Blades Outside Air Stream, Add	*56.68*	
23 33 13 16-0121	EA	48" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	471.12	72.23
		For Spring Activated Horizontal Mount Operation, Add	*57.19*	
		For Dynamic Damper, Add	*137.25*	
		For 3 Hour Rated, Add	*76.25*	
		For Cap Of Damper Blades Outside Air Stream, Add	*63.54*	
23 33 13 16-0122	EA	48" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	504.51	76.44
		For Spring Activated Horizontal Mount Operation, Add	*61.83*	
		For Dynamic Damper, Add	*148.39*	
		For 3 Hour Rated, Add	*82.44*	
		For Cap Of Damper Blades Outside Air Stream, Add	*68.70*	
23 33 13 16-0123	EA	48" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	538.36	78.61
		For Spring Activated Horizontal Mount Operation, Add	*68.01*	
		For Dynamic Damper, Add	*163.23*	
		For 3 Hour Rated, Add	*90.68*	
		For Cap Of Damper Blades Outside Air Stream, Add	*75.57*	
23 33 13 16-0124	EA	48" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	575.81	84.99
		For Spring Activated Horizontal Mount Operation, Add	*72.13*	
		For Dynamic Damper, Add	*173.12*	
		For 3 Hour Rated, Add	*96.18*	
		For Cap Of Damper Blades Outside Air Stream, Add	*80.15*	
23 33 13 16-0125	EA	52" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	211.52	36.11
		For Spring Activated Horizontal Mount Operation, Add	*23.19*	
		For Dynamic Damper, Add	*55.65*	
		For 3 Hour Rated, Add	*30.92*	
		For Cap Of Damper Blades Outside Air Stream, Add	*25.76*	
23 33 13 16-0126	EA	52" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	227.06	38.29
		For Spring Activated Horizontal Mount Operation, Add	*25.25*	
		For Dynamic Damper, Add	*60.59*	
		For 3 Hour Rated, Add	*33.66*	
		For Cap Of Damper Blades Outside Air Stream, Add	*28.05*	
23 33 13 16-0127	EA	52" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	248.98	42.49
		For Spring Activated Horizontal Mount Operation, Add	*27.31*	
		For Dynamic Damper, Add	*65.54*	
		For 3 Hour Rated, Add	*36.41*	
		For Cap Of Damper Blades Outside Air Stream, Add	*30.34*	
23 33 13 16-0128	EA	52" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	264.03	46.71
		For Spring Activated Horizontal Mount Operation, Add	*27.82*	
		For Dynamic Damper, Add	*66.78*	
		For 3 Hour Rated, Add	*37.10*	
		For Cap Of Damper Blades Outside Air Stream, Add	*30.92*	
23 33 13 16-0129	EA	52" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	287.12	51.05
		For Spring Activated Horizontal Mount Operation, Add	*30.15*	
		For Dynamic Damper, Add	*72.35*	
		For 3 Hour Rated, Add	*40.19*	
		For Cap Of Damper Blades Outside Air Stream, Add	*33.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0130	EA	52" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	310.17	55.25
		For Spring Activated Horizontal Mount Operation, Add	*32.46*	
		For Dynamic Damper, Add	*77.91*	
		For 3 Hour Rated, Add	*43.28*	
		For Cap Of Damper Blades Outside Air Stream, Add	*36.07*	
23 33 13 16-0131	EA	52" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	336.68	59.47
		For Spring Activated Horizontal Mount Operation, Add	*35.55*	
		For Dynamic Damper, Add	*85.33*	
		For 3 Hour Rated, Add	*47.41*	
		For Cap Of Damper Blades Outside Air Stream, Add	*39.51*	
23 33 13 16-0132	EA	52" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	363.17	63.81
		For Spring Activated Horizontal Mount Operation, Add	*38.64*	
		For Dynamic Damper, Add	*92.75*	
		For 3 Hour Rated, Add	*51.53*	
		For Cap Of Damper Blades Outside Air Stream, Add	*42.94*	
23 33 13 16-0133	EA	52" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	396.54	68.02
		For Spring Activated Horizontal Mount Operation, Add	*43.28*	
		For Dynamic Damper, Add	*103.87*	
		For 3 Hour Rated, Add	*57.71*	
		For Cap Of Damper Blades Outside Air Stream, Add	*48.09*	
23 33 13 16-0134	EA	52" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	436.78	72.23
		For Spring Activated Horizontal Mount Operation, Add	*49.46*	
		For Dynamic Damper, Add	*118.71*	
		For 3 Hour Rated, Add	*65.95*	
		For Cap Of Damper Blades Outside Air Stream, Add	*54.96*	
23 33 13 16-0135	EA	52" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	466.05	74.40
		For Spring Activated Horizontal Mount Operation, Add	*54.61*	
		For Dynamic Damper, Add	*131.07*	
		For 3 Hour Rated, Add	*72.82*	
		For Cap Of Damper Blades Outside Air Stream, Add	*60.68*	
23 33 13 16-0136	EA	52" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	502.22	76.44
		For Spring Activated Horizontal Mount Operation, Add	*61.31*	
		For Dynamic Damper, Add	*147.16*	
		For 3 Hour Rated, Add	*81.75*	
		For Cap Of Damper Blades Outside Air Stream, Add	*68.13*	
23 33 13 16-0137	EA	52" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	542.43	80.78
		For Spring Activated Horizontal Mount Operation, Add	*67.49*	
		For Dynamic Damper, Add	*161.98*	
		For 3 Hour Rated, Add	*89.99*	
		For Cap Of Damper Blades Outside Air Stream, Add	*74.99*	
23 33 13 16-0138	EA	52" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	575.81	84.99
		For Spring Activated Horizontal Mount Operation, Add	*72.13*	
		For Dynamic Damper, Add	*173.12*	
		For 3 Hour Rated, Add	*96.18*	
		For Cap Of Damper Blades Outside Air Stream, Add	*80.15*	
23 33 13 16-0139	EA	52" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	622.44	91.37
		For Spring Activated Horizontal Mount Operation, Add	*78.32*	
		For Dynamic Damper, Add	*187.96*	
		For 3 Hour Rated, Add	*104.42*	
		For Cap Of Damper Blades Outside Air Stream, Add	*87.02*	
23 33 13 16-0140	EA	52" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	658.10	95.58
		For Spring Activated Horizontal Mount Operation, Add	*83.47*	
		For Dynamic Damper, Add	*200.32*	
		For 3 Hour Rated, Add	*111.29*	
		For Cap Of Damper Blades Outside Air Stream, Add	*92.74*	
23 33 13 16-0141	EA	56" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	222.49	38.29
		For Spring Activated Horizontal Mount Operation, Add	*24.22*	
		For Dynamic Damper, Add	*58.13*	
		For 3 Hour Rated, Add	*32.29*	
		For Cap Of Damper Blades Outside Air Stream, Add	*26.91*	
23 33 13 16-0142	EA	56" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	246.68	42.49
		For Spring Activated Horizontal Mount Operation, Add	*26.79*	
		For Dynamic Damper, Add	*64.30*	
		For 3 Hour Rated, Add	*35.72*	
		For Cap Of Damper Blades Outside Air Stream, Add	*29.77*	
23 33 13 16-0143	EA	56" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	266.33	46.71
		For Spring Activated Horizontal Mount Operation, Add	*28.34*	
		For Dynamic Damper, Add	*68.02*	
		For 3 Hour Rated, Add	*37.79*	
		For Cap Of Damper Blades Outside Air Stream, Add	*31.49*	
23 33 13 16-0144	EA	56" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	281.37	51.05
		For Spring Activated Horizontal Mount Operation, Add	*28.85*	
		For Dynamic Damper, Add	*69.24*	
		For 3 Hour Rated, Add	*38.47*	
		For Cap Of Damper Blades Outside Air Stream, Add	*32.06*	
23 33 13 16-0145	EA	56" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	306.74	55.25
		For Spring Activated Horizontal Mount Operation, Add	*31.69*	
		For Dynamic Damper, Add	*76.05*	
		For 3 Hour Rated, Add	*42.25*	
		For Cap Of Damper Blades Outside Air Stream, Add	*35.21*	
23 33 13 16-0146	EA	56" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	332.09	59.47
		For Spring Activated Horizontal Mount Operation, Add	*34.52*	
		For Dynamic Damper, Add	*82.85*	
		For 3 Hour Rated, Add	*46.03*	
		For Cap Of Damper Blades Outside Air Stream, Add	*38.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0147	EA	56" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	357.44	63.81
		For Spring Activated Horizontal Mount Operation, Add	*37.35*	
		For Dynamic Damper, Add	*89.65*	
		For 3 Hour Rated, Add	*49.81*	
		For Cap Of Damper Blades Outside Air Stream, Add	*41.51*	
23 33 13 16-0148	EA	56" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	382.79	68.02
		For Spring Activated Horizontal Mount Operation, Add	*40.19*	
		For Dynamic Damper, Add	*96.45*	
		For 3 Hour Rated, Add	*53.58*	
		For Cap Of Damper Blades Outside Air Stream, Add	*44.65*	
23 33 13 16-0149	EA	56" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	423.04	72.23
		For Spring Activated Horizontal Mount Operation, Add	*46.37*	
		For Dynamic Damper, Add	*111.29*	
		For 3 Hour Rated, Add	*61.83*	
		For Cap Of Damper Blades Outside Air Stream, Add	*51.52*	
23 33 13 16-0150	EA	56" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	456.91	74.40
		For Spring Activated Horizontal Mount Operation, Add	*52.56*	
		For Dynamic Damper, Add	*126.13*	
		For 3 Hour Rated, Add	*70.07*	
		For Cap Of Damper Blades Outside Air Stream, Add	*58.40*	
23 33 13 16-0151	EA	56" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	488.47	76.44
		For Spring Activated Horizontal Mount Operation, Add	*58.22*	
		For Dynamic Damper, Add	*139.73*	
		For 3 Hour Rated, Add	*77.63*	
		For Cap Of Damper Blades Outside Air Stream, Add	*64.69*	
23 33 13 16-0152	EA	56" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	533.29	80.78
		For Spring Activated Horizontal Mount Operation, Add	*65.43*	
		For Dynamic Damper, Add	*157.04*	
		For 3 Hour Rated, Add	*87.25*	
		For Cap Of Damper Blades Outside Air Stream, Add	*72.71*	
23 33 13 16-0153	EA	56" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	573.52	84.99
		For Spring Activated Horizontal Mount Operation, Add	*71.62*	
		For Dynamic Damper, Add	*171.88*	
		For 3 Hour Rated, Add	*95.49*	
		For Cap Of Damper Blades Outside Air Stream, Add	*79.58*	
23 33 13 16-0154	EA	56" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	616.05	89.20
		For Spring Activated Horizontal Mount Operation, Add	*78.32*	
		For Dynamic Damper, Add	*187.96*	
		For 3 Hour Rated, Add	*104.42*	
		For Cap Of Damper Blades Outside Air Stream, Add	*87.02*	
23 33 13 16-0155	EA	56" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	651.72	93.54
		For Spring Activated Horizontal Mount Operation, Add	*83.47*	
		For Dynamic Damper, Add	*200.32*	
		For 3 Hour Rated, Add	*111.29*	
		For Cap Of Damper Blades Outside Air Stream, Add	*92.74*	
23 33 13 16-0156	EA	56" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	694.25	97.75
		For Spring Activated Horizontal Mount Operation, Add	*90.17*	
		For Dynamic Damper, Add	*216.40*	
		For 3 Hour Rated, Add	*120.22*	
		For Cap Of Damper Blades Outside Air Stream, Add	*100.19*	
23 33 13 16-0157	EA	56" x 56" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	736.78	101.96
		For Spring Activated Horizontal Mount Operation, Add	*96.86*	
		For Dynamic Damper, Add	*232.48*	
		For 3 Hour Rated, Add	*129.15*	
		For Cap Of Damper Blades Outside Air Stream, Add	*107.63*	
23 33 13 16-0158	EA	60" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	242.11	42.49
		For Spring Activated Horizontal Mount Operation, Add	*25.76*	
		For Dynamic Damper, Add	*61.83*	
		For 3 Hour Rated, Add	*34.35*	
		For Cap Of Damper Blades Outside Air Stream, Add	*28.63*	
23 33 13 16-0159	EA	60" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	266.33	46.71
		For Spring Activated Horizontal Mount Operation, Add	*28.34*	
		For Dynamic Damper, Add	*68.02*	
		For 3 Hour Rated, Add	*37.79*	
		For Cap Of Damper Blades Outside Air Stream, Add	*31.49*	
23 33 13 16-0160	EA	60" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	283.67	51.05
		For Spring Activated Horizontal Mount Operation, Add	*29.37*	
		For Dynamic Damper, Add	*70.49*	
		For 3 Hour Rated, Add	*39.16*	
		For Cap Of Damper Blades Outside Air Stream, Add	*32.63*	
23 33 13 16-0161	EA	60" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	298.72	55.25
		For Spring Activated Horizontal Mount Operation, Add	*29.88*	
		For Dynamic Damper, Add	*71.72*	
		For 3 Hour Rated, Add	*39.85*	
		For Cap Of Damper Blades Outside Air Stream, Add	*33.21*	
23 33 13 16-0162	EA	60" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	325.23	59.47
		For Spring Activated Horizontal Mount Operation, Add	*32.98*	
		For Dynamic Damper, Add	*79.15*	
		For 3 Hour Rated, Add	*43.97*	
		For Cap Of Damper Blades Outside Air Stream, Add	*36.64*	
23 33 13 16-0163	EA	60" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	351.72	63.81
		For Spring Activated Horizontal Mount Operation, Add	*36.07*	
		For Dynamic Damper, Add	*86.56*	
		For 3 Hour Rated, Add	*48.09*	
		For Cap Of Damper Blades Outside Air Stream, Add	*40.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0164	EA	60" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	379.36	68.02
		For Spring Activated Horizontal Mount Operation, Add	*39.42*	
		For Dynamic Damper, Add	*94.60*	
		For 3 Hour Rated, Add	*52.55*	
		For Cap Of Damper Blades Outside Air Stream, Add	*43.80*	
23 33 13 16-0165	EA	60" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	407.01	72.23
		For Spring Activated Horizontal Mount Operation, Add	*42.76*	
		For Dynamic Damper, Add	*102.63*	
		For 3 Hour Rated, Add	*57.02*	
		For Cap Of Damper Blades Outside Air Stream, Add	*47.52*	
23 33 13 16-0166	EA	60" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	443.16	74.40
		For Spring Activated Horizontal Mount Operation, Add	*49.46*	
		For Dynamic Damper, Add	*118.71*	
		For 3 Hour Rated, Add	*65.95*	
		For Cap Of Damper Blades Outside Air Stream, Add	*54.96*	
23 33 13 16-0167	EA	60" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	477.02	76.44
		For Spring Activated Horizontal Mount Operation, Add	*55.64*	
		For Dynamic Damper, Add	*133.55*	
		For 3 Hour Rated, Add	*74.19*	
		For Cap Of Damper Blades Outside Air Stream, Add	*61.83*	
23 33 13 16-0168	EA	60" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	519.56	80.78
		For Spring Activated Horizontal Mount Operation, Add	*62.35*	
		For Dynamic Damper, Add	*149.63*	
		For 3 Hour Rated, Add	*83.13*	
		For Cap Of Damper Blades Outside Air Stream, Add	*69.27*	
23 33 13 16-0169	EA	60" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	562.08	84.99
		For Spring Activated Horizontal Mount Operation, Add	*69.04*	
		For Dynamic Damper, Add	*165.70*	
		For 3 Hour Rated, Add	*92.06*	
		For Cap Of Damper Blades Outside Air Stream, Add	*76.72*	
23 33 13 16-0170	EA	60" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	597.73	89.20
		For Spring Activated Horizontal Mount Operation, Add	*74.19*	
		For Dynamic Damper, Add	*178.07*	
		For 3 Hour Rated, Add	*98.93*	
		For Cap Of Damper Blades Outside Air Stream, Add	*82.44*	
23 33 13 16-0171	EA	60" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	647.13	93.54
		For Spring Activated Horizontal Mount Operation, Add	*82.44*	
		For Dynamic Damper, Add	*197.85*	
		For 3 Hour Rated, Add	*109.91*	
		For Cap Of Damper Blades Outside Air Stream, Add	*91.60*	
23 33 13 16-0172	EA	60" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	691.96	97.75
		For Spring Activated Horizontal Mount Operation, Add	*89.65*	
		For Dynamic Damper, Add	*215.16*	
		For 3 Hour Rated, Add	*119.54*	
		For Cap Of Damper Blades Outside Air Stream, Add	*99.61*	
23 33 13 16-0173	EA	60" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	736.78	101.96
		For Spring Activated Horizontal Mount Operation, Add	*96.86*	
		For Dynamic Damper, Add	*232.48*	
		For 3 Hour Rated, Add	*129.15*	
		For Cap Of Damper Blades Outside Air Stream, Add	*107.63*	
23 33 13 16-0174	EA	60" x 56" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	777.00	106.30
		For Spring Activated Horizontal Mount Operation, Add	*103.04*	
		For Dynamic Damper, Add	*247.30*	
		For 3 Hour Rated, Add	*137.39*	
		For Cap Of Damper Blades Outside Air Stream, Add	*114.49*	
23 33 13 16-0175	EA	60" x 60" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	817.27	110.52
		For Spring Activated Horizontal Mount Operation, Add	*109.23*	
		For Dynamic Damper, Add	*262.16*	
		For 3 Hour Rated, Add	*145.64*	
		For Cap Of Damper Blades Outside Air Stream, Add	*121.37*	

23 33 13 16-0176 Parallel Blade Louver Fire Damper *(23 33 13 16)*

Note: UL listed. 22 gauge galvanized steel construction with fusible link 160 F spring actuated 1-1/2 hour fire rating.

23 33 13 16-0177	EA	6" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	108.84	14.17
		For Spring Activated Horizontal Mount Operation, Add	*14.93*	
		For Dynamic Damper, Add	*35.83*	
		For 3 Hour Rated, Add	*19.91*	
23 33 13 16-0178	EA	8" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	113.60	14.80
		For Spring Activated Horizontal Mount Operation, Add	*15.57*	
		For Dynamic Damper, Add	*37.36*	
		For 3 Hour Rated, Add	*20.76*	
23 33 13 16-0179	EA	8" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	116.73	14.93
		For Spring Activated Horizontal Mount Operation, Add	*16.21*	
		For Dynamic Damper, Add	*38.91*	
		For 3 Hour Rated, Add	*21.62*	
23 33 13 16-0180	EA	10" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	116.73	14.93
		For Spring Activated Horizontal Mount Operation, Add	*16.21*	
		For Dynamic Damper, Add	*38.91*	
		For 3 Hour Rated, Add	*21.62*	
23 33 13 16-0181	EA	10" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	120.88	15.32
		For Spring Activated Horizontal Mount Operation, Add	*16.86*	
		For Dynamic Damper, Add	*40.46*	
		For 3 Hour Rated, Add	*22.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0182	EA	10" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	131.69	16.98
		For Spring Activated Horizontal Mount Operation, Add	*18.14*	
		For Dynamic Damper, Add	*43.55*	
		For 3 Hour Rated, Add	*24.19*	
23 33 13 16-0183	EA	12" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	120.88	15.32
		For Spring Activated Horizontal Mount Operation, Add	*16.86*	
		For Dynamic Damper, Add	*40.46*	
		For 3 Hour Rated, Add	*22.48*	
23 33 13 16-0184	EA	12" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	129.13	16.21
		For Spring Activated Horizontal Mount Operation, Add	*18.14*	
		For Dynamic Damper, Add	*43.55*	
		For 3 Hour Rated, Add	*24.19*	
23 33 13 16-0185	EA	12" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	134.56	16.98
		For Spring Activated Horizontal Mount Operation, Add	*18.79*	
		For Dynamic Damper, Add	*45.10*	
		For 3 Hour Rated, Add	*25.05*	
23 33 13 16-0186	EA	12" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	143.81	19.14
		For Spring Activated Horizontal Mount Operation, Add	*19.44*	
		For Dynamic Damper, Add	*46.65*	
		For 3 Hour Rated, Add	*25.91*	
23 33 13 16-0187	EA	14" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	127.71	16.21
		For Spring Activated Horizontal Mount Operation, Add	*17.82*	
		For Dynamic Damper, Add	*42.78*	
		For 3 Hour Rated, Add	*23.77*	
23 33 13 16-0188	EA	14" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	134.56	16.98
		For Spring Activated Horizontal Mount Operation, Add	*18.79*	
		For Dynamic Damper, Add	*45.10*	
		For 3 Hour Rated, Add	*25.05*	
23 33 13 16-0189	EA	14" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	139.97	17.86
		For Spring Activated Horizontal Mount Operation, Add	*19.44*	
		For Dynamic Damper, Add	*46.65*	
		For 3 Hour Rated, Add	*25.91*	
23 33 13 16-0190	EA	14" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	146.67	19.14
		For Spring Activated Horizontal Mount Operation, Add	*20.08*	
		For Dynamic Damper, Add	*48.19*	
		For 3 Hour Rated, Add	*26.77*	
23 33 13 16-0191	EA	14" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	160.21	21.31
		For Spring Activated Horizontal Mount Operation, Add	*21.69*	
		For Dynamic Damper, Add	*52.06*	
		For 3 Hour Rated, Add	*28.92*	
23 33 13 16-0192	EA	16" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	167.69	16.98
		For Spring Activated Horizontal Mount Operation, Add	*26.24*	
		For Dynamic Damper, Add	*62.99*	
		For 3 Hour Rated, Add	*34.99*	
23 33 13 16-0193	EA	16" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	174.72	18.25
		For Spring Activated Horizontal Mount Operation, Add	*26.97*	
		For Dynamic Damper, Add	*64.72*	
		For 3 Hour Rated, Add	*35.96*	
23 33 13 16-0194	EA	16" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	183.05	20.03
		For Spring Activated Horizontal Mount Operation, Add	*27.69*	
		For Dynamic Damper, Add	*66.46*	
		For 3 Hour Rated, Add	*36.92*	
23 33 13 16-0195	EA	16" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	190.06	21.31
		For Spring Activated Horizontal Mount Operation, Add	*28.41*	
		For Dynamic Damper, Add	*68.18*	
		For 3 Hour Rated, Add	*37.88*	
23 33 13 16-0196	EA	16" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	204.48	23.35
		For Spring Activated Horizontal Mount Operation, Add	*30.22*	
		For Dynamic Damper, Add	*72.52*	
		For 3 Hour Rated, Add	*40.29*	
23 33 13 16-0197	EA	16" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	218.88	25.52
		For Spring Activated Horizontal Mount Operation, Add	*32.02*	
		For Dynamic Damper, Add	*76.85*	
		For 3 Hour Rated, Add	*42.69*	
23 33 13 16-0198	EA	18" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	173.44	17.86
		For Spring Activated Horizontal Mount Operation, Add	*26.97*	
		For Dynamic Damper, Add	*64.72*	
		For 3 Hour Rated, Add	*35.96*	
23 33 13 16-0199	EA	18" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	182.09	19.14
		For Spring Activated Horizontal Mount Operation, Add	*28.05*	
		For Dynamic Damper, Add	*67.32*	
		For 3 Hour Rated, Add	*37.40*	
23 33 13 16-0200	EA	18" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	193.30	21.31
		For Spring Activated Horizontal Mount Operation, Add	*29.14*	
		For Dynamic Damper, Add	*69.92*	
		For 3 Hour Rated, Add	*38.85*	
23 33 13 16-0201	EA	18" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	207.69	23.35
		For Spring Activated Horizontal Mount Operation, Add	*30.94*	
		For Dynamic Damper, Add	*74.25*	
		For 3 Hour Rated, Add	*41.25*	
23 33 13 16-0202	EA	18" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	220.48	25.52
		For Spring Activated Horizontal Mount Operation, Add	*32.38*	
		For Dynamic Damper, Add	*77.71*	
		For 3 Hour Rated, Add	*43.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0203	EA	18" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	234.87	27.56
		For Spring Activated Horizontal Mount Operation, Add	*34.18*	
		For Dynamic Damper, Add	*82.04*	
		For 3 Hour Rated, Add	*45.58*	
23 33 13 16-0204	EA	18" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	246.04	29.73
		For Spring Activated Horizontal Mount Operation, Add	*35.26*	
		For Dynamic Damper, Add	*84.63*	
		For 3 Hour Rated, Add	*47.02*	
23 33 13 16-0205	EA	20" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	180.50	19.14
		For Spring Activated Horizontal Mount Operation, Add	*27.69*	
		For Dynamic Damper, Add	*66.46*	
		For 3 Hour Rated, Add	*36.92*	
23 33 13 16-0206	EA	20" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	193.27	21.31
		For Spring Activated Horizontal Mount Operation, Add	*29.13*	
		For Dynamic Damper, Add	*69.91*	
		For 3 Hour Rated, Add	*38.84*	
23 33 13 16-0207	EA	20" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	206.08	23.35
		For Spring Activated Horizontal Mount Operation, Add	*30.58*	
		For Dynamic Damper, Add	*73.38*	
		For 3 Hour Rated, Add	*40.77*	
23 33 13 16-0208	EA	20" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	225.31	25.52
		For Spring Activated Horizontal Mount Operation, Add	*33.47*	
		For Dynamic Damper, Add	*80.32*	
		For 3 Hour Rated, Add	*44.62*	
23 33 13 16-0209	EA	20" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	236.48	27.56
		For Spring Activated Horizontal Mount Operation, Add	*34.55*	
		For Dynamic Damper, Add	*82.91*	
		For 3 Hour Rated, Add	*46.06*	
23 33 13 16-0210	EA	20" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	247.65	29.73
		For Spring Activated Horizontal Mount Operation, Add	*35.62*	
		For Dynamic Damper, Add	*85.50*	
		For 3 Hour Rated, Add	*47.50*	
23 33 13 16-0211	EA	20" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	260.45	31.91
		For Spring Activated Horizontal Mount Operation, Add	*37.07*	
		For Dynamic Damper, Add	*88.96*	
		For 3 Hour Rated, Add	*49.42*	
23 33 13 16-0212	EA	20" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	273.23	33.94
		For Spring Activated Horizontal Mount Operation, Add	*38.51*	
		For Dynamic Damper, Add	*92.42*	
		For 3 Hour Rated, Add	*51.34*	
23 33 13 16-0213	EA	24" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	222.76	21.31
		For Spring Activated Horizontal Mount Operation, Add	*35.76*	
		For Dynamic Damper, Add	*85.83*	
		For 3 Hour Rated, Add	*47.69*	
23 33 13 16-0214	EA	24" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	238.77	23.35
		For Spring Activated Horizontal Mount Operation, Add	*37.93*	
		For Dynamic Damper, Add	*91.03*	
		For 3 Hour Rated, Add	*50.57*	
23 33 13 16-0215	EA	24" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	251.57	25.52
		For Spring Activated Horizontal Mount Operation, Add	*39.38*	
		For Dynamic Damper, Add	*94.50*	
		For 3 Hour Rated, Add	*52.50*	
23 33 13 16-0216	EA	24" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	267.54	27.56
		For Spring Activated Horizontal Mount Operation, Add	*41.54*	
		For Dynamic Damper, Add	*99.68*	
		For 3 Hour Rated, Add	*55.38*	
23 33 13 16-0217	EA	24" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	278.74	29.73
		For Spring Activated Horizontal Mount Operation, Add	*42.62*	
		For Dynamic Damper, Add	*102.29*	
		For 3 Hour Rated, Add	*56.83*	
23 33 13 16-0218	EA	24" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	289.92	31.91
		For Spring Activated Horizontal Mount Operation, Add	*43.70*	
		For Dynamic Damper, Add	*104.87*	
		For 3 Hour Rated, Add	*58.26*	
23 33 13 16-0219	EA	24" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	305.92	33.94
		For Spring Activated Horizontal Mount Operation, Add	*45.86*	
		For Dynamic Damper, Add	*110.07*	
		For 3 Hour Rated, Add	*61.15*	
23 33 13 16-0220	EA	24" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	328.29	38.29
		For Spring Activated Horizontal Mount Operation, Add	*48.02*	
		For Dynamic Damper, Add	*115.26*	
		For 3 Hour Rated, Add	*64.03*	
23 33 13 16-0221	EA	24" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	353.89	42.49
		For Spring Activated Horizontal Mount Operation, Add	*50.91*	
		For Dynamic Damper, Add	*122.19*	
		For 3 Hour Rated, Add	*67.88*	
23 33 13 16-0222	EA	28" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	238.77	23.35
		For Spring Activated Horizontal Mount Operation, Add	*37.93*	
		For Dynamic Damper, Add	*91.03*	
		For 3 Hour Rated, Add	*50.57*	
23 33 13 16-0223	EA	28" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	251.57	25.52
		For Spring Activated Horizontal Mount Operation, Add	*39.38*	
		For Dynamic Damper, Add	*94.50*	
		For 3 Hour Rated, Add	*52.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0224	EA	28" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	267.54	27.56
		For Spring Activated Horizontal Mount Operation, Add	*41.54*	
		For Dynamic Damper, Add	*99.68*	
		For 3 Hour Rated, Add	*55.38*	
23 33 13 16-0225	EA	28" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	280.33	29.73
		For Spring Activated Horizontal Mount Operation, Add	*42.98*	
		For Dynamic Damper, Add	*103.15*	
		For 3 Hour Rated, Add	*57.30*	
23 33 13 16-0226	EA	28" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	294.74	31.91
		For Spring Activated Horizontal Mount Operation, Add	*44.78*	
		For Dynamic Damper, Add	*107.48*	
		For 3 Hour Rated, Add	*59.71*	
23 33 13 16-0227	EA	28" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	309.11	33.94
		For Spring Activated Horizontal Mount Operation, Add	*46.58*	
		For Dynamic Damper, Add	*111.79*	
		For 3 Hour Rated, Add	*62.11*	
23 33 13 16-0228	EA	28" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	331.50	38.29
		For Spring Activated Horizontal Mount Operation, Add	*48.75*	
		For Dynamic Damper, Add	*116.99*	
		For 3 Hour Rated, Add	*65.00*	
23 33 13 16-0229	EA	28" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	353.89	42.49
		For Spring Activated Horizontal Mount Operation, Add	*50.91*	
		For Dynamic Damper, Add	*122.19*	
		For 3 Hour Rated, Add	*67.88*	
23 33 13 16-0230	EA	28" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	379.49	44.67
		For Spring Activated Horizontal Mount Operation, Add	*55.24*	
		For Dynamic Damper, Add	*132.57*	
		For 3 Hour Rated, Add	*73.65*	
23 33 13 16-0231	EA	28" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	408.29	48.87
		For Spring Activated Horizontal Mount Operation, Add	*58.85*	
		For Dynamic Damper, Add	*141.23*	
		For 3 Hour Rated, Add	*78.46*	
23 33 13 16-0232	EA	32" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	261.17	25.52
		For Spring Activated Horizontal Mount Operation, Add	*41.54*	
		For Dynamic Damper, Add	*99.68*	
		For 3 Hour Rated, Add	*55.38*	
23 33 13 16-0233	EA	32" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	270.73	27.56
		For Spring Activated Horizontal Mount Operation, Add	*42.25*	
		For Dynamic Damper, Add	*101.41*	
		For 3 Hour Rated, Add	*56.34*	
23 33 13 16-0234	EA	32" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	280.33	29.73
		For Spring Activated Horizontal Mount Operation, Add	*42.98*	
		For Dynamic Damper, Add	*103.15*	
		For 3 Hour Rated, Add	*57.30*	
23 33 13 16-0235	EA	32" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	293.11	31.91
		For Spring Activated Horizontal Mount Operation, Add	*44.42*	
		For Dynamic Damper, Add	*106.60*	
		For 3 Hour Rated, Add	*59.22*	
23 33 13 16-0236	EA	32" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	309.72	33.94
		For Spring Activated Horizontal Mount Operation, Add	*46.72*	
		For Dynamic Damper, Add	*112.12*	
		For 3 Hour Rated, Add	*62.29*	
23 33 13 16-0237	EA	32" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	331.50	38.29
		For Spring Activated Horizontal Mount Operation, Add	*48.75*	
		For Dynamic Damper, Add	*116.99*	
		For 3 Hour Rated, Add	*65.00*	
23 33 13 16-0238	EA	32" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	357.11	42.49
		For Spring Activated Horizontal Mount Operation, Add	*51.64*	
		For Dynamic Damper, Add	*123.93*	
		For 3 Hour Rated, Add	*68.85*	
23 33 13 16-0239	EA	32" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	382.69	46.71
		For Spring Activated Horizontal Mount Operation, Add	*54.52*	
		For Dynamic Damper, Add	*130.85*	
		For 3 Hour Rated, Add	*72.70*	
23 33 13 16-0240	EA	32" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	408.29	48.87
		For Spring Activated Horizontal Mount Operation, Add	*58.85*	
		For Dynamic Damper, Add	*141.23*	
		For 3 Hour Rated, Add	*78.46*	
23 33 13 16-0241	EA	32" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	440.95	52.32
		For Spring Activated Horizontal Mount Operation, Add	*63.90*	
		For Dynamic Damper, Add	*153.35*	
		For 3 Hour Rated, Add	*85.20*	
23 33 13 16-0242	EA	32" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	475.53	55.25
		For Spring Activated Horizontal Mount Operation, Add	*69.67*	
		For Dynamic Damper, Add	*167.20*	
		For 3 Hour Rated, Add	*92.89*	
23 33 13 16-0243	EA	36" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	293.65	27.56
		For Spring Activated Horizontal Mount Operation, Add	*47.41*	
		For Dynamic Damper, Add	*113.78*	
		For 3 Hour Rated, Add	*63.21*	
23 33 13 16-0244	EA	36" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	307.33	29.73
		For Spring Activated Horizontal Mount Operation, Add	*49.05*	
		For Dynamic Damper, Add	*117.73*	
		For 3 Hour Rated, Add	*65.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0245	EA	36" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	321.04	31.91
		For Spring Activated Horizontal Mount Operation, Add	*50.70*	
		For Dynamic Damper, Add	*121.68*	
		For 3 Hour Rated, Add	*67.60*	
23 33 13 16-0246	EA	36" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	338.44	33.94
		For Spring Activated Horizontal Mount Operation, Add	*53.18*	
		For Dynamic Damper, Add	*127.63*	
		For 3 Hour Rated, Add	*70.91*	
23 33 13 16-0247	EA	36" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	356.71	38.29
		For Spring Activated Horizontal Mount Operation, Add	*54.42*	
		For Dynamic Damper, Add	*130.60*	
		For 3 Hour Rated, Add	*72.56*	
23 33 13 16-0248	EA	36" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	368.59	40.33
		For Spring Activated Horizontal Mount Operation, Add	*55.66*	
		For Dynamic Damper, Add	*133.57*	
		For 3 Hour Rated, Add	*74.21*	
23 33 13 16-0249	EA	36" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	406.05	46.71
		For Spring Activated Horizontal Mount Operation, Add	*59.78*	
		For Dynamic Damper, Add	*143.47*	
		For 3 Hour Rated, Add	*79.70*	
23 33 13 16-0250	EA	36" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	437.12	51.05
		For Spring Activated Horizontal Mount Operation, Add	*63.90*	
		For Dynamic Damper, Add	*153.35*	
		For 3 Hour Rated, Add	*85.19*	
23 33 13 16-0251	EA	36" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	464.21	52.71
		For Spring Activated Horizontal Mount Operation, Add	*68.84*	
		For Dynamic Damper, Add	*165.22*	
		For 3 Hour Rated, Add	*91.79*	
23 33 13 16-0252	EA	36" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	504.99	56.53
		For Spring Activated Horizontal Mount Operation, Add	*75.44*	
		For Dynamic Damper, Add	*181.05*	
		For 3 Hour Rated, Add	*100.58*	
23 33 13 16-0253	EA	36" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	539.56	59.47
		For Spring Activated Horizontal Mount Operation, Add	*81.20*	
		For Dynamic Damper, Add	*194.89*	
		For 3 Hour Rated, Add	*108.27*	
23 33 13 16-0254	EA	36" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	575.26	61.63
		For Spring Activated Horizontal Mount Operation, Add	*87.80*	
		For Dynamic Damper, Add	*210.72*	
		For 3 Hour Rated, Add	*117.07*	
23 33 13 16-0255	EA	40" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	329.94	31.91
		For Spring Activated Horizontal Mount Operation, Add	*54.14*	
		For Dynamic Damper, Add	*129.93*	
		For 3 Hour Rated, Add	*72.19*	
23 33 13 16-0256	EA	40" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	350.99	33.94
		For Spring Activated Horizontal Mount Operation, Add	*57.44*	
		For Dynamic Damper, Add	*137.85*	
		For 3 Hour Rated, Add	*76.58*	
23 33 13 16-0257	EA	40" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	361.03	36.11
		For Spring Activated Horizontal Mount Operation, Add	*58.26*	
		For Dynamic Damper, Add	*139.83*	
		For 3 Hour Rated, Add	*77.68*	
23 33 13 16-0258	EA	40" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	371.08	38.29
		For Spring Activated Horizontal Mount Operation, Add	*59.09*	
		For Dynamic Damper, Add	*141.81*	
		For 3 Hour Rated, Add	*78.78*	
23 33 13 16-0259	EA	40" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	396.68	40.33
		For Spring Activated Horizontal Mount Operation, Add	*61.98*	
		For Dynamic Damper, Add	*148.74*	
		For 3 Hour Rated, Add	*82.64*	
23 33 13 16-0260	EA	40" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	415.88	42.49
		For Spring Activated Horizontal Mount Operation, Add	*64.86*	
		For Dynamic Damper, Add	*155.67*	
		For 3 Hour Rated, Add	*86.48*	
23 33 13 16-0261	EA	40" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	449.67	48.87
		For Spring Activated Horizontal Mount Operation, Add	*68.16*	
		For Dynamic Damper, Add	*163.58*	
		For 3 Hour Rated, Add	*90.88*	
23 33 13 16-0262	EA	40" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	477.10	53.09
		For Spring Activated Horizontal Mount Operation, Add	*71.46*	
		For Dynamic Damper, Add	*171.49*	
		For 3 Hour Rated, Add	*95.27*	
23 33 13 16-0263	EA	40" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	509.29	56.53
		For Spring Activated Horizontal Mount Operation, Add	*76.40*	
		For Dynamic Damper, Add	*183.37*	
		For 3 Hour Rated, Add	*101.87*	
23 33 13 16-0264	EA	40" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	558.53	59.47
		For Spring Activated Horizontal Mount Operation, Add	*85.47*	
		For Dynamic Damper, Add	*205.13*	
		For 3 Hour Rated, Add	*113.96*	
23 33 13 16-0265	EA	40" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	590.69	62.91
		For Spring Activated Horizontal Mount Operation, Add	*90.41*	
		For Dynamic Damper, Add	*216.98*	
		For 3 Hour Rated, Add	*120.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0266	EA	40" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	636.12	64.57
		For Spring Activated Horizontal Mount Operation, Add	*99.48*	
		For Dynamic Damper, Add	*238.76*	
		For 3 Hour Rated, Add	*132.65*	
23 33 13 16-0267	EA	40" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	682.97	68.02
		For Spring Activated Horizontal Mount Operation, Add	*107.73*	
		For Dynamic Damper, Add	*258.55*	
		For 3 Hour Rated, Add	*143.64*	
23 33 13 16-0268	EA	44" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	343.67	31.91
		For Spring Activated Horizontal Mount Operation, Add	*55.79*	
		For Dynamic Damper, Add	*133.90*	
		For 3 Hour Rated, Add	*74.39*	
23 33 13 16-0269	EA	44" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	364.70	33.94
		For Spring Activated Horizontal Mount Operation, Add	*59.09*	
		For Dynamic Damper, Add	*141.81*	
		For 3 Hour Rated, Add	*78.78*	
23 33 13 16-0270	EA	44" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	382.10	36.11
		For Spring Activated Horizontal Mount Operation, Add	*61.57*	
		For Dynamic Damper, Add	*147.76*	
		For 3 Hour Rated, Add	*82.09*	
23 33 13 16-0271	EA	44" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	392.14	38.29
		For Spring Activated Horizontal Mount Operation, Add	*62.39*	
		For Dynamic Damper, Add	*149.74*	
		For 3 Hour Rated, Add	*83.19*	
23 33 13 16-0272	EA	44" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	413.17	40.33
		For Spring Activated Horizontal Mount Operation, Add	*65.69*	
		For Dynamic Damper, Add	*157.65*	
		For 3 Hour Rated, Add	*87.58*	
23 33 13 16-0273	EA	44" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	434.21	42.49
		For Spring Activated Horizontal Mount Operation, Add	*68.99*	
		For Dynamic Damper, Add	*165.56*	
		For 3 Hour Rated, Add	*91.98*	
23 33 13 16-0274	EA	44" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	478.06	51.05
		For Spring Activated Horizontal Mount Operation, Add	*73.11*	
		For Dynamic Damper, Add	*175.46*	
		For 3 Hour Rated, Add	*97.48*	
23 33 13 16-0275	EA	44" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	509.12	55.25
		For Spring Activated Horizontal Mount Operation, Add	*77.22*	
		For Dynamic Damper, Add	*185.34*	
		For 3 Hour Rated, Add	*102.97*	
23 33 13 16-0276	EA	44" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	558.53	59.47
		For Spring Activated Horizontal Mount Operation, Add	*85.47*	
		For Dynamic Damper, Add	*205.13*	
		For 3 Hour Rated, Add	*113.96*	
23 33 13 16-0277	EA	44" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	604.26	63.81
		For Spring Activated Horizontal Mount Operation, Add	*92.89*	
		For Dynamic Damper, Add	*222.93*	
		For 3 Hour Rated, Add	*123.85*	
23 33 13 16-0278	EA	44" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	653.63	68.02
		For Spring Activated Horizontal Mount Operation, Add	*101.13*	
		For Dynamic Damper, Add	*242.70*	
		For 3 Hour Rated, Add	*134.84*	
23 33 13 16-0279	EA	44" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	692.99	70.05
		For Spring Activated Horizontal Mount Operation, Add	*108.55*	
		For Dynamic Damper, Add	*260.51*	
		For 3 Hour Rated, Add	*144.73*	
23 33 13 16-0280	EA	44" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	732.37	72.23
		For Spring Activated Horizontal Mount Operation, Add	*115.97*	
		For Dynamic Damper, Add	*278.33*	
		For 3 Hour Rated, Add	*154.63*	
23 33 13 16-0281	EA	44" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	771.74	74.40
		For Spring Activated Horizontal Mount Operation, Add	*123.39*	
		For Dynamic Damper, Add	*296.14*	
		For 3 Hour Rated, Add	*164.52*	
23 33 13 16-0282	EA	48" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	361.03	33.94
		For Spring Activated Horizontal Mount Operation, Add	*58.26*	
		For Dynamic Damper, Add	*139.83*	
		For 3 Hour Rated, Add	*77.68*	
23 33 13 16-0283	EA	48" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	382.10	36.11
		For Spring Activated Horizontal Mount Operation, Add	*61.57*	
		For Dynamic Damper, Add	*147.76*	
		For 3 Hour Rated, Add	*82.09*	
23 33 13 16-0284	EA	48" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	392.14	38.29
		For Spring Activated Horizontal Mount Operation, Add	*62.39*	
		For Dynamic Damper, Add	*149.74*	
		For 3 Hour Rated, Add	*83.19*	
23 33 13 16-0285	EA	48" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	415.88	42.49
		For Spring Activated Horizontal Mount Operation, Add	*64.86*	
		For Dynamic Damper, Add	*155.67*	
		For 3 Hour Rated, Add	*86.48*	
23 33 13 16-0286	EA	48" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	443.29	46.71
		For Spring Activated Horizontal Mount Operation, Add	*68.16*	
		For Dynamic Damper, Add	*163.58*	
		For 3 Hour Rated, Add	*90.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0287	EA	48" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	470.72	51.05
		For Spring Activated Horizontal Mount Operation, Add	*71.46*	
		For Dynamic Damper, Add	*171.49*	
		For 3 Hour Rated, Add	*95.27*	
23 33 13 16-0288	EA	48" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	505.47	55.25
		For Spring Activated Horizontal Mount Operation, Add	*76.40*	
		For Dynamic Damper, Add	*183.37*	
		For 3 Hour Rated, Add	*101.87*	
23 33 13 16-0289	EA	48" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	540.19	59.47
		For Spring Activated Horizontal Mount Operation, Add	*81.34*	
		For Dynamic Damper, Add	*195.23*	
		For 3 Hour Rated, Add	*108.46*	
23 33 13 16-0290	EA	48" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	585.94	63.81
		For Spring Activated Horizontal Mount Operation, Add	*88.77*	
		For Dynamic Damper, Add	*213.04*	
		For 3 Hour Rated, Add	*118.36*	
23 33 13 16-0291	EA	48" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	638.98	68.02
		For Spring Activated Horizontal Mount Operation, Add	*97.83*	
		For Dynamic Damper, Add	*234.79*	
		For 3 Hour Rated, Add	*130.44*	
23 33 13 16-0292	EA	48" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	678.37	70.05
		For Spring Activated Horizontal Mount Operation, Add	*105.26*	
		For Dynamic Damper, Add	*252.62*	
		For 3 Hour Rated, Add	*140.34*	
23 33 13 16-0293	EA	48" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	728.69	72.23
		For Spring Activated Horizontal Mount Operation, Add	*115.14*	
		For Dynamic Damper, Add	*276.34*	
		For 3 Hour Rated, Add	*153.52*	
23 33 13 16-0294	EA	48" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	774.46	76.44
		For Spring Activated Horizontal Mount Operation, Add	*122.57*	
		For Dynamic Damper, Add	*294.17*	
		For 3 Hour Rated, Add	*163.43*	
23 33 13 16-0295	EA	48" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	824.79	78.61
		For Spring Activated Horizontal Mount Operation, Add	*132.46*	
		For Dynamic Damper, Add	*317.90*	
		For 3 Hour Rated, Add	*176.61*	
23 33 13 16-0296	EA	48" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	873.24	84.99
		For Spring Activated Horizontal Mount Operation, Add	*139.05*	
		For Dynamic Damper, Add	*333.73*	
		For 3 Hour Rated, Add	*185.41*	
23 33 13 16-0297	EA	52" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	378.42	36.11
		For Spring Activated Horizontal Mount Operation, Add	*60.74*	
		For Dynamic Damper, Add	*145.77*	
		For 3 Hour Rated, Add	*80.99*	
23 33 13 16-0298	EA	52" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	399.46	38.29
		For Spring Activated Horizontal Mount Operation, Add	*64.04*	
		For Dynamic Damper, Add	*153.69*	
		For 3 Hour Rated, Add	*85.38*	
23 33 13 16-0299	EA	52" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	426.87	42.49
		For Spring Activated Horizontal Mount Operation, Add	*67.33*	
		For Dynamic Damper, Add	*161.60*	
		For 3 Hour Rated, Add	*89.78*	
23 33 13 16-0300	EA	52" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	443.29	46.71
		For Spring Activated Horizontal Mount Operation, Add	*68.16*	
		For Dynamic Damper, Add	*163.58*	
		For 3 Hour Rated, Add	*90.88*	
23 33 13 16-0301	EA	52" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	472.58	51.05
		For Spring Activated Horizontal Mount Operation, Add	*71.87*	
		For Dynamic Damper, Add	*172.50*	
		For 3 Hour Rated, Add	*95.83*	
23 33 13 16-0302	EA	52" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	501.80	55.25
		For Spring Activated Horizontal Mount Operation, Add	*75.58*	
		For Dynamic Damper, Add	*181.39*	
		For 3 Hour Rated, Add	*100.77*	
23 33 13 16-0303	EA	52" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	536.55	59.47
		For Spring Activated Horizontal Mount Operation, Add	*80.53*	
		For Dynamic Damper, Add	*193.26*	
		For 3 Hour Rated, Add	*107.37*	
23 33 13 16-0304	EA	52" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	571.29	63.81
		For Spring Activated Horizontal Mount Operation, Add	*85.47*	
		For Dynamic Damper, Add	*205.13*	
		For 3 Hour Rated, Add	*113.96*	
23 33 13 16-0305	EA	52" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	617.02	68.02
		For Spring Activated Horizontal Mount Operation, Add	*92.89*	
		For Dynamic Damper, Add	*222.93*	
		For 3 Hour Rated, Add	*123.85*	
23 33 13 16-0306	EA	52" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	673.74	72.23
		For Spring Activated Horizontal Mount Operation, Add	*102.78*	
		For Dynamic Damper, Add	*246.67*	
		For 3 Hour Rated, Add	*137.04*	
23 33 13 16-0307	EA	52" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	716.75	74.40
		For Spring Activated Horizontal Mount Operation, Add	*111.02*	
		For Dynamic Damper, Add	*266.45*	
		For 3 Hour Rated, Add	*148.03*	

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23 33 13 16-0308	EA	52" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	770.78	76.44
		For Spring Activated Horizontal Mount Operation, Add	*121.74*	
		For Dynamic Damper, Add	*292.18*	
		For 3 Hour Rated, Add	*162.32*	
23 33 13 16-0309	EA	52" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	827.48	80.78
		For Spring Activated Horizontal Mount Operation, Add	*131.63*	
		For Dynamic Damper, Add	*315.91*	
		For 3 Hour Rated, Add	*175.50*	
23 33 13 16-0310	EA	52" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	873.24	84.99
		For Spring Activated Horizontal Mount Operation, Add	*139.05*	
		For Dynamic Damper, Add	*333.73*	
		For 3 Hour Rated, Add	*185.41*	
23 33 13 16-0311	EA	52" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	936.34	91.37
		For Spring Activated Horizontal Mount Operation, Add	*148.94*	
		For Dynamic Damper, Add	*357.46*	
		For 3 Hour Rated, Add	*198.59*	
23 33 13 16-0312	EA	52" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	985.75	95.58
		For Spring Activated Horizontal Mount Operation, Add	*157.19*	
		For Dynamic Damper, Add	*377.25*	
		For 3 Hour Rated, Add	*209.59*	
23 33 13 16-0313	EA	56" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	392.14	38.29
		For Spring Activated Horizontal Mount Operation, Add	*62.39*	
		For Dynamic Damper, Add	*149.74*	
		For 3 Hour Rated, Add	*83.19*	
23 33 13 16-0314	EA	56" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	423.20	42.49
		For Spring Activated Horizontal Mount Operation, Add	*66.51*	
		For Dynamic Damper, Add	*159.62*	
		For 3 Hour Rated, Add	*88.68*	
23 33 13 16-0315	EA	56" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	446.97	46.71
		For Spring Activated Horizontal Mount Operation, Add	*68.99*	
		For Dynamic Damper, Add	*165.56*	
		For 3 Hour Rated, Add	*91.98*	
23 33 13 16-0316	EA	56" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	463.38	51.05
		For Spring Activated Horizontal Mount Operation, Add	*69.80*	
		For Dynamic Damper, Add	*167.53*	
		For 3 Hour Rated, Add	*93.07*	
23 33 13 16-0317	EA	56" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	496.32	55.25
		For Spring Activated Horizontal Mount Operation, Add	*74.34*	
		For Dynamic Damper, Add	*178.43*	
		For 3 Hour Rated, Add	*99.13*	
23 33 13 16-0318	EA	56" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	529.21	59.47
		For Spring Activated Horizontal Mount Operation, Add	*78.87*	
		For Dynamic Damper, Add	*189.30*	
		For 3 Hour Rated, Add	*105.17*	
23 33 13 16-0319	EA	56" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	562.13	63.81
		For Spring Activated Horizontal Mount Operation, Add	*83.41*	
		For Dynamic Damper, Add	*200.18*	
		For 3 Hour Rated, Add	*111.21*	
23 33 13 16-0320	EA	56" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	595.03	68.02
		For Spring Activated Horizontal Mount Operation, Add	*87.94*	
		For Dynamic Damper, Add	*211.06*	
		For 3 Hour Rated, Add	*117.26*	
23 33 13 16-0321	EA	56" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	651.75	72.23
		For Spring Activated Horizontal Mount Operation, Add	*97.83*	
		For Dynamic Damper, Add	*234.79*	
		For 3 Hour Rated, Add	*130.44*	
23 33 13 16-0322	EA	56" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	702.12	74.40
		For Spring Activated Horizontal Mount Operation, Add	*107.73*	
		For Dynamic Damper, Add	*258.55*	
		For 3 Hour Rated, Add	*143.64*	
23 33 13 16-0323	EA	56" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	748.79	76.44
		For Spring Activated Horizontal Mount Operation, Add	*116.79*	
		For Dynamic Damper, Add	*280.30*	
		For 3 Hour Rated, Add	*155.72*	
23 33 13 16-0324	EA	56" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	812.86	80.78
		For Spring Activated Horizontal Mount Operation, Add	*128.34*	
		For Dynamic Damper, Add	*308.01*	
		For 3 Hour Rated, Add	*171.12*	
23 33 13 16-0325	EA	56" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	869.56	84.99
		For Spring Activated Horizontal Mount Operation, Add	*138.23*	
		For Dynamic Damper, Add	*331.74*	
		For 3 Hour Rated, Add	*184.30*	
23 33 13 16-0326	EA	56" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	929.95	89.20
		For Spring Activated Horizontal Mount Operation, Add	*148.94*	
		For Dynamic Damper, Add	*357.46*	
		For 3 Hour Rated, Add	*198.59*	
23 33 13 16-0327	EA	56" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	979.37	93.54
		For Spring Activated Horizontal Mount Operation, Add	*157.19*	
		For Dynamic Damper, Add	*377.25*	
		For 3 Hour Rated, Add	*209.59*	
23 33 13 16-0328	EA	56" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,039.76	97.75
		For Spring Activated Horizontal Mount Operation, Add	*167.91*	
		For Dynamic Damper, Add	*402.98*	
		For 3 Hour Rated, Add	*223.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0329	EA	56" x 56" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,100.15	101.96
		For Spring Activated Horizontal Mount Operation, Add	*178.62*	
		For Dynamic Damper, Add	*428.70*	
		For 3 Hour Rated, Add	*238.16*	
23 33 13 16-0330	EA	60" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	415.88	42.49
		For Spring Activated Horizontal Mount Operation, Add	*64.86*	
		For Dynamic Damper, Add	*155.67*	
		For 3 Hour Rated, Add	*86.48*	
23 33 13 16-0331	EA	60" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	446.97	46.71
		For Spring Activated Horizontal Mount Operation, Add	*68.99*	
		For Dynamic Damper, Add	*165.56*	
		For 3 Hour Rated, Add	*91.98*	
23 33 13 16-0332	EA	60" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	467.04	51.05
		For Spring Activated Horizontal Mount Operation, Add	*70.63*	
		For Dynamic Damper, Add	*169.51*	
		For 3 Hour Rated, Add	*94.17*	
23 33 13 16-0333	EA	60" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	483.48	55.25
		For Spring Activated Horizontal Mount Operation, Add	*71.46*	
		For Dynamic Damper, Add	*171.49*	
		For 3 Hour Rated, Add	*95.27*	
23 33 13 16-0334	EA	60" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	518.23	59.47
		For Spring Activated Horizontal Mount Operation, Add	*76.40*	
		For Dynamic Damper, Add	*183.37*	
		For 3 Hour Rated, Add	*101.87*	
23 33 13 16-0335	EA	60" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	552.95	63.81
		For Spring Activated Horizontal Mount Operation, Add	*81.34*	
		For Dynamic Damper, Add	*195.23*	
		For 3 Hour Rated, Add	*108.46*	
23 33 13 16-0336	EA	60" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	589.53	68.02
		For Spring Activated Horizontal Mount Operation, Add	*86.70*	
		For Dynamic Damper, Add	*208.09*	
		For 3 Hour Rated, Add	*115.61*	
23 33 13 16-0337	EA	60" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	626.11	72.23
		For Spring Activated Horizontal Mount Operation, Add	*92.06*	
		For Dynamic Damper, Add	*220.95*	
		For 3 Hour Rated, Add	*122.75*	
23 33 13 16-0338	EA	60" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	680.12	74.40
		For Spring Activated Horizontal Mount Operation, Add	*102.78*	
		For Dynamic Damper, Add	*246.67*	
		For 3 Hour Rated, Add	*137.04*	
23 33 13 16-0339	EA	60" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	730.47	76.44
		For Spring Activated Horizontal Mount Operation, Add	*112.67*	
		For Dynamic Damper, Add	*270.41*	
		For 3 Hour Rated, Add	*150.23*	
23 33 13 16-0340	EA	60" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	790.88	80.78
		For Spring Activated Horizontal Mount Operation, Add	*123.39*	
		For Dynamic Damper, Add	*296.14*	
		For 3 Hour Rated, Add	*164.52*	
23 33 13 16-0341	EA	60" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	851.26	84.99
		For Spring Activated Horizontal Mount Operation, Add	*134.11*	
		For Dynamic Damper, Add	*321.86*	
		For 3 Hour Rated, Add	*178.81*	
23 33 13 16-0342	EA	60" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	900.65	89.20
		For Spring Activated Horizontal Mount Operation, Add	*142.35*	
		For Dynamic Damper, Add	*341.64*	
		For 3 Hour Rated, Add	*189.80*	
23 33 13 16-0343	EA	60" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	972.03	93.54
		For Spring Activated Horizontal Mount Operation, Add	*155.54*	
		For Dynamic Damper, Add	*373.29*	
		For 3 Hour Rated, Add	*207.38*	
23 33 13 16-0344	EA	60" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,036.08	97.75
		For Spring Activated Horizontal Mount Operation, Add	*167.08*	
		For Dynamic Damper, Add	*400.99*	
		For 3 Hour Rated, Add	*222.77*	
23 33 13 16-0345	EA	60" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,100.15	101.96
		For Spring Activated Horizontal Mount Operation, Add	*178.62*	
		For Dynamic Damper, Add	*428.70*	
		For 3 Hour Rated, Add	*238.16*	
23 33 13 16-0346	EA	60" x 56" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,156.84	106.30
		For Spring Activated Horizontal Mount Operation, Add	*188.51*	
		For Dynamic Damper, Add	*452.42*	
		For 3 Hour Rated, Add	*251.34*	
23 33 13 16-0347	EA	60" x 60" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,213.61	110.52
		For Spring Activated Horizontal Mount Operation, Add	*198.41*	
		For Dynamic Damper, Add	*476.18*	
		For 3 Hour Rated, Add	*264.55*	

23 33 13 16-0348 Round 2 Hour Fire Damper *(23 33 13 16)*

23 33 13 16-0349	EA	4" Round 2 Hour Fire Damper	133.94	25.52
23 33 13 16-0350	EA	5" Round 2 Hour Fire Damper	139.88	25.52
23 33 13 16-0351	EA	6" Round 2 Hour Fire Damper	164.65	28.97
23 33 13 16-0352	EA	7" Round 2 Hour Fire Damper	171.10	28.97
23 33 13 16-0353	EA	8" Round 2 Hour Fire Damper	205.96	31.91
23 33 13 16-0354	EA	9" Round 2 Hour Fire Damper	223.71	31.91

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0355	EA	10" Round 2 Hour Fire Damper	248.62	35.48
23 33 13 16-0356	EA	12" Round 2 Hour Fire Damper	279.24	39.95
23 33 13 16-0357	EA	14" Round 2 Hour Fire Damper	317.33	45.56
23 33 13 16-0358		**Round 4 Hour Fire Damper** *(23 33 13 16)*		
23 33 13 16-0359	EA	4" Round 4 Hour Fire Damper	150.85	28.97
23 33 13 16-0360	EA	5" Round 4 Hour Fire Damper	167.03	28.97
23 33 13 16-0361	EA	6" Round 4 Hour Fire Damper	189.22	31.91
23 33 13 16-0362	EA	7" Round 4 Hour Fire Damper	210.09	31.91
23 33 13 16-0363	EA	8" Round 4 Hour Fire Damper	238.10	35.48
23 33 13 16-0364	EA	9" Round 4 Hour Fire Damper	250.82	35.48
23 33 13 16-0365	EA	10" Round 4 Hour Fire Damper	279.64	39.95
23 33 13 16-0366	EA	12" Round 4 Hour Fire Damper	309.25	45.56
23 33 13 16-0367	EA	14" Round 4 Hour Fire Damper	360.79	53.21
23 33 13 19		**Smoke-Control Dampers** *(23 33 13)*		
23 33 13 19-0001		**Combination Smoke/Fire Damper** *(23 33 13 19)*		
		Note: 1-1/2 hour rating, leakage class I with Firestat UL 555S air foil blades.		
23 33 13 19-0002	EA	6" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	629.98	21.25
		For Dynamic Damper, Add	*305.76*	
		For 3 Hour Rated, Add	*169.87*	
23 33 13 19-0003	EA	8" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	646.66	22.21
		For Dynamic Damper, Add	*313.23*	
		For 3 Hour Rated, Add	*174.02*	
23 33 13 19-0004	EA	8" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	661.05	22.40
		For Dynamic Damper, Add	*320.79*	
		For 3 Hour Rated, Add	*178.22*	
23 33 13 19-0005	EA	10" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	624.10	22.40
		For Dynamic Damper, Add	*300.83*	
		For 3 Hour Rated, Add	*167.13*	
23 33 13 19-0006	EA	10" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	639.05	22.97
		For Dynamic Damper, Add	*307.88*	
		For 3 Hour Rated, Add	*171.04*	
23 33 13 19-0007	EA	10" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	672.89	25.46
		For Dynamic Damper, Add	*322.01*	
		For 3 Hour Rated, Add	*178.90*	
23 33 13 19-0008	EA	12" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	639.05	22.97
		For Dynamic Damper, Add	*307.88*	
		For 3 Hour Rated, Add	*171.04*	
23 33 13 19-0009	EA	12" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	669.06	24.31
		For Dynamic Damper, Add	*322.01*	
		For 3 Hour Rated, Add	*178.90*	
23 33 13 19-0010	EA	12" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	685.93	25.46
		For Dynamic Damper, Add	*329.05*	
		For 3 Hour Rated, Add	*182.81*	
23 33 13 19-0011	EA	12" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	708.63	28.71
		For Dynamic Damper, Add	*336.15*	
		For 3 Hour Rated, Add	*186.75*	
23 33 13 19-0012	EA	14" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	662.54	24.31
		For Dynamic Damper, Add	*318.49*	
		For 3 Hour Rated, Add	*176.94*	
23 33 13 19-0013	EA	14" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	685.93	25.46
		For Dynamic Damper, Add	*329.05*	
		For 3 Hour Rated, Add	*182.81*	
23 33 13 19-0014	EA	14" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	702.90	26.80
		For Dynamic Damper, Add	*336.15*	
		For 3 Hour Rated, Add	*186.75*	
23 33 13 19-0015	EA	14" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	721.76	28.71
		For Dynamic Damper, Add	*343.24*	
		For 3 Hour Rated, Add	*190.69*	
23 33 13 19-0016	EA	14" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	764.04	31.97
		For Dynamic Damper, Add	*360.90*	
		For 3 Hour Rated, Add	*200.50*	
23 33 13 19-0017	EA	16" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	749.07	25.46
		For Dynamic Damper, Add	*363.15*	
		For 3 Hour Rated, Add	*201.75*	
23 33 13 19-0018	EA	16" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	762.93	27.37
		For Dynamic Damper, Add	*367.53*	
		For 3 Hour Rated, Add	*204.19*	
23 33 13 19-0019	EA	16" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	778.71	30.06
		For Dynamic Damper, Add	*371.92*	
		For 3 Hour Rated, Add	*206.62*	
23 33 13 19-0020	EA	16" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	792.46	31.97
		For Dynamic Damper, Add	*376.25*	
		For 3 Hour Rated, Add	*209.03*	
23 33 13 19-0021	EA	16" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	822.30	35.03
		For Dynamic Damper, Add	*387.19*	
		For 3 Hour Rated, Add	*215.11*	
23 33 13 19-0022	EA	16" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	852.09	38.29
		For Dynamic Damper, Add	*398.11*	
		For 3 Hour Rated, Add	*221.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0023	EA	18" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	761.02	26.80
		For Dynamic Damper, Add	*367.53*	
		For 3 Hour Rated, Add	*204.19*	
23 33 13 19-0024	EA	18" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	778.85	28.71
		For Dynamic Damper, Add	*374.07*	
		For 3 Hour Rated, Add	*207.82*	
23 33 13 19-0025	EA	18" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	800.63	31.97
		For Dynamic Damper, Add	*380.66*	
		For 3 Hour Rated, Add	*211.48*	
23 33 13 19-0026	EA	18" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	830.42	35.03
		For Dynamic Damper, Add	*391.58*	
		For 3 Hour Rated, Add	*217.54*	
23 33 13 19-0027	EA	18" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	856.12	38.29
		For Dynamic Damper, Add	*400.29*	
		For 3 Hour Rated, Add	*222.38*	
23 33 13 19-0028	EA	18" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	885.91	41.35
		For Dynamic Damper, Add	*411.20*	
		For 3 Hour Rated, Add	*228.45*	
23 33 13 19-0029	EA	18" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	907.63	44.60
		For Dynamic Damper, Add	*417.77*	
		For 3 Hour Rated, Add	*232.09*	
23 33 13 19-0030	EA	20" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	774.87	28.71
		For Dynamic Damper, Add	*371.92*	
		For 3 Hour Rated, Add	*206.62*	
23 33 13 19-0031	EA	20" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	800.58	31.97
		For Dynamic Damper, Add	*380.63*	
		For 3 Hour Rated, Add	*211.46*	
23 33 13 19-0032	EA	20" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	826.34	35.03
		For Dynamic Damper, Add	*389.37*	
		For 3 Hour Rated, Add	*216.32*	
23 33 13 19-0033	EA	20" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	868.33	38.29
		For Dynamic Damper, Add	*406.88*	
		For 3 Hour Rated, Add	*226.04*	
23 33 13 19-0034	EA	20" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	890.00	41.35
		For Dynamic Damper, Add	*413.41*	
		For 3 Hour Rated, Add	*229.67*	
23 33 13 19-0035	EA	20" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	911.67	44.60
		For Dynamic Damper, Add	*419.95*	
		For 3 Hour Rated, Add	*233.30*	
23 33 13 19-0036	EA	20" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	937.42	47.86
		For Dynamic Damper, Add	*428.68*	
		For 3 Hour Rated, Add	*238.16*	
23 33 13 19-0037	EA	20" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	963.13	50.92
		For Dynamic Damper, Add	*437.39*	
		For 3 Hour Rated, Add	*243.00*	
23 33 13 19-0038	EA	24" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	793.14	31.97
		For Dynamic Damper, Add	*376.61*	
		For 3 Hour Rated, Add	*209.23*	
23 33 13 19-0039	EA	24" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	819.07	35.03
		For Dynamic Damper, Add	*385.45*	
		For 3 Hour Rated, Add	*214.14*	
23 33 13 19-0040	EA	24" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	839.58	38.29
		For Dynamic Damper, Add	*391.35*	
		For 3 Hour Rated, Add	*217.42*	
23 33 13 19-0041	EA	24" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	865.45	41.35
		For Dynamic Damper, Add	*400.16*	
		For 3 Hour Rated, Add	*222.31*	
23 33 13 19-0042	EA	24" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	883.20	44.60
		For Dynamic Damper, Add	*404.57*	
		For 3 Hour Rated, Add	*224.76*	
23 33 13 19-0043	EA	24" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	900.92	47.86
		For Dynamic Damper, Add	*408.97*	
		For 3 Hour Rated, Add	*227.21*	
23 33 13 19-0044	EA	24" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	926.83	50.92
		For Dynamic Damper, Add	*417.79*	
		For 3 Hour Rated, Add	*232.11*	
23 33 13 19-0045	EA	24" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	962.30	57.43
		For Dynamic Damper, Add	*426.61*	
		For 3 Hour Rated, Add	*237.01*	
23 33 13 19-0046	EA	24" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,003.24	63.75
		For Dynamic Damper, Add	*438.38*	
		For 3 Hour Rated, Add	*243.55*	
23 33 13 19-0047	EA	28" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	819.07	35.03
		For Dynamic Damper, Add	*385.45*	
		For 3 Hour Rated, Add	*214.14*	
23 33 13 19-0048	EA	28" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	839.58	38.29
		For Dynamic Damper, Add	*391.35*	
		For 3 Hour Rated, Add	*217.42*	
23 33 13 19-0049	EA	28" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	865.45	41.35
		For Dynamic Damper, Add	*400.16*	
		For 3 Hour Rated, Add	*222.31*	
23 33 13 19-0050	EA	28" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	885.92	44.60
		For Dynamic Damper, Add	*406.04*	
		For 3 Hour Rated, Add	*225.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0051	EA	28" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	909.10	47.86
		For Dynamic Damper, Add	*413.39*	
		For 3 Hour Rated, Add	*229.66*	
23 33 13 19-0052	EA	28" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	932.26	50.92
		For Dynamic Damper, Add	*420.72*	
		For 3 Hour Rated, Add	*233.74*	
23 33 13 19-0053	EA	28" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	967.73	57.43
		For Dynamic Damper, Add	*429.54*	
		For 3 Hour Rated, Add	*238.64*	
23 33 13 19-0054	EA	28" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,003.24	63.75
		For Dynamic Damper, Add	*438.38*	
		For 3 Hour Rated, Add	*243.55*	
23 33 13 19-0055	EA	28" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,045.48	67.00
		For Dynamic Damper, Add	*456.02*	
		For 3 Hour Rated, Add	*253.35*	
23 33 13 19-0056	EA	28" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,091.86	73.32
		For Dynamic Damper, Add	*470.73*	
		For 3 Hour Rated, Add	*261.52*	
23 33 13 19-0057	EA	32" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	855.88	38.29
		For Dynamic Damper, Add	*400.16*	
		For 3 Hour Rated, Add	*222.31*	
23 33 13 19-0058	EA	32" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	870.88	41.35
		For Dynamic Damper, Add	*403.09*	
		For 3 Hour Rated, Add	*223.94*	
23 33 13 19-0059	EA	32" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	885.92	44.60
		For Dynamic Damper, Add	*406.04*	
		For 3 Hour Rated, Add	*225.58*	
23 33 13 19-0060	EA	32" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	906.35	47.86
		For Dynamic Damper, Add	*411.91*	
		For 3 Hour Rated, Add	*228.84*	
23 33 13 19-0061	EA	32" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	933.28	50.92
		For Dynamic Damper, Add	*421.28*	
		For 3 Hour Rated, Add	*234.04*	
23 33 13 19-0062	EA	32" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	967.73	57.43
		For Dynamic Damper, Add	*429.54*	
		For 3 Hour Rated, Add	*238.64*	
23 33 13 19-0063	EA	32" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,008.71	63.75
		For Dynamic Damper, Add	*441.34*	
		For 3 Hour Rated, Add	*245.19*	
23 33 13 19-0064	EA	32" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,049.65	70.05
		For Dynamic Damper, Add	*453.11*	
		For 3 Hour Rated, Add	*251.73*	
23 33 13 19-0065	EA	32" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,091.86	73.32
		For Dynamic Damper, Add	*470.73*	
		For 3 Hour Rated, Add	*261.52*	
23 33 13 19-0066	EA	32" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,145.33	78.48
		For Dynamic Damper, Add	*491.34*	
		For 3 Hour Rated, Add	*272.97*	
23 33 13 19-0067	EA	32" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,202.26	82.88
		For Dynamic Damper, Add	*514.85*	
		For 3 Hour Rated, Add	*286.03*	
23 33 13 19-0068	EA	36" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	898.84	41.35
		For Dynamic Damper, Add	*418.19*	
		For 3 Hour Rated, Add	*232.33*	
23 33 13 19-0069	EA	36" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	920.21	44.60
		For Dynamic Damper, Add	*424.56*	
		For 3 Hour Rated, Add	*235.87*	
23 33 13 19-0070	EA	36" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	941.62	47.86
		For Dynamic Damper, Add	*430.95*	
		For 3 Hour Rated, Add	*239.42*	
23 33 13 19-0071	EA	36" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	968.98	50.92
		For Dynamic Damper, Add	*440.55*	
		For 3 Hour Rated, Add	*244.75*	
23 33 13 19-0072	EA	36" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	997.03	57.43
		For Dynamic Damper, Add	*445.37*	
		For 3 Hour Rated, Add	*247.43*	
23 33 13 19-0073	EA	36" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,015.47	60.49
		For Dynamic Damper, Add	*450.15*	
		For 3 Hour Rated, Add	*250.09*	
23 33 13 19-0074	EA	36" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,073.81	70.05
		For Dynamic Damper, Add	*466.16*	
		For 3 Hour Rated, Add	*258.98*	
23 33 13 19-0075	EA	36" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,122.51	76.57
		For Dynamic Damper, Add	*482.11*	
		For 3 Hour Rated, Add	*267.84*	
23 33 13 19-0076	EA	36" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,165.68	79.06
		For Dynamic Damper, Add	*501.29*	
		For 3 Hour Rated, Add	*278.50*	
23 33 13 19-0077	EA	36" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,230.28	84.80
		For Dynamic Damper, Add	*526.87*	
		For 3 Hour Rated, Add	*292.71*	
23 33 13 19-0078	EA	36" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,285.06	89.20
		For Dynamic Damper, Add	*549.22*	
		For 3 Hour Rated, Add	*305.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0079	EA	36" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,342.00	92.45
		For Dynamic Damper, Add	*574.80*	
		For 3 Hour Rated, Add	*319.33*	
23 33 13 19-0080	EA	40" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,448.74	47.86
		For Dynamic Damper, Add	*709.97*	
		For 3 Hour Rated, Add	*394.43*	
23 33 13 19-0081	EA	40" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,490.05	50.92
		For Dynamic Damper, Add	*727.10*	
		For 3 Hour Rated, Add	*403.95*	
23 33 13 19-0082	EA	40" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,507.60	54.18
		For Dynamic Damper, Add	*731.41*	
		For 3 Hour Rated, Add	*406.34*	
23 33 13 19-0083	EA	40" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,525.14	57.43
		For Dynamic Damper, Add	*735.71*	
		For 3 Hour Rated, Add	*408.73*	
23 33 13 19-0084	EA	40" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,572.09	60.49
		For Dynamic Damper, Add	*750.73*	
		For 3 Hour Rated, Add	*417.07*	
23 33 13 19-0085	EA	40" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,609.51	63.75
		For Dynamic Damper, Add	*765.77*	
		For 3 Hour Rated, Add	*425.43*	
23 33 13 19-0086	EA	40" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,670.02	73.32
		For Dynamic Damper, Add	*782.94*	
		For 3 Hour Rated, Add	*434.96*	
23 33 13 19-0087	EA	40" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,720.90	79.63
		For Dynamic Damper, Add	*800.07*	
		For 3 Hour Rated, Add	*444.49*	
23 33 13 19-0088	EA	40" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,783.94	84.80
		For Dynamic Damper, Add	*825.85*	
		For 3 Hour Rated, Add	*458.81*	
23 33 13 19-0089	EA	40" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,884.68	89.20
		For Dynamic Damper, Add	*873.02*	
		For 3 Hour Rated, Add	*485.01*	
23 33 13 19-0090	EA	40" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,947.64	94.37
		For Dynamic Damper, Add	*898.74*	
		For 3 Hour Rated, Add	*499.30*	
23 33 13 19-0091	EA	40" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,042.74	96.86
		For Dynamic Damper, Add	*945.96*	
		For 3 Hour Rated, Add	*525.53*	
23 33 13 19-0092	EA	40" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,137.53	102.02
		For Dynamic Damper, Add	*988.88*	
		For 3 Hour Rated, Add	*549.38*	
23 33 13 19-0093	EA	44" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,474.20	47.86
		For Dynamic Damper, Add	*718.55*	
		For 3 Hour Rated, Add	*399.19*	
23 33 13 19-0094	EA	44" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,515.57	50.92
		For Dynamic Damper, Add	*735.71*	
		For 3 Hour Rated, Add	*408.73*	
23 33 13 19-0095	EA	44" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,549.01	54.18
		For Dynamic Damper, Add	*748.60*	
		For 3 Hour Rated, Add	*415.89*	
23 33 13 19-0096	EA	44" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,566.55	57.43
		For Dynamic Damper, Add	*752.91*	
		For 3 Hour Rated, Add	*418.28*	
23 33 13 19-0097	EA	44" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,607.91	60.49
		For Dynamic Damper, Add	*770.07*	
		For 3 Hour Rated, Add	*427.82*	
23 33 13 19-0098	EA	44" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,649.22	63.75
		For Dynamic Damper, Add	*787.21*	
		For 3 Hour Rated, Add	*437.34*	
23 33 13 19-0099	EA	44" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,727.27	76.57
		For Dynamic Damper, Add	*808.68*	
		For 3 Hour Rated, Add	*449.27*	
23 33 13 19-0100	EA	44" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,786.07	82.88
		For Dynamic Damper, Add	*830.10*	
		For 3 Hour Rated, Add	*461.17*	
23 33 13 19-0101	EA	44" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,884.68	89.20
		For Dynamic Damper, Add	*873.02*	
		For 3 Hour Rated, Add	*485.01*	
23 33 13 19-0102	EA	44" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,975.33	95.71
		For Dynamic Damper, Add	*911.63*	
		For 3 Hour Rated, Add	*506.46*	
23 33 13 19-0103	EA	44" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,073.90	102.02
		For Dynamic Damper, Add	*954.52*	
		For 3 Hour Rated, Add	*530.29*	
23 33 13 19-0104	EA	44" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,154.97	105.09
		For Dynamic Damper, Add	*993.13*	
		For 3 Hour Rated, Add	*551.74*	
23 33 13 19-0105	EA	44" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,236.09	108.34
		For Dynamic Damper, Add	*1,031.77*	
		For 3 Hour Rated, Add	*573.20*	
23 33 13 19-0106	EA	44" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,317.22	111.59
		For Dynamic Damper, Add	*1,070.40*	
		For 3 Hour Rated, Add	*594.67*	

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23 33 13 19-0107	EA	48" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,507.60	50.92
		For Dynamic Damper, Add	*731.41*	
		For 3 Hour Rated, Add	*406.34*	
23 33 13 19-0108	EA	48" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,549.01	54.18
		For Dynamic Damper, Add	*748.60*	
		For 3 Hour Rated, Add	*415.89*	
23 33 13 19-0109	EA	48" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,566.55	57.43
		For Dynamic Damper, Add	*752.91*	
		For 3 Hour Rated, Add	*418.28*	
23 33 13 19-0110	EA	48" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,609.51	63.75
		For Dynamic Damper, Add	*765.77*	
		For 3 Hour Rated, Add	*425.43*	
23 33 13 19-0111	EA	48" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,660.44	70.05
		For Dynamic Damper, Add	*782.94*	
		For 3 Hour Rated, Add	*434.96*	
23 33 13 19-0112	EA	48" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,711.33	76.57
		For Dynamic Damper, Add	*800.07*	
		For 3 Hour Rated, Add	*444.49*	
23 33 13 19-0113	EA	48" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,778.19	82.88
		For Dynamic Damper, Add	*825.85*	
		For 3 Hour Rated, Add	*458.81*	
23 33 13 19-0114	EA	48" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,844.97	89.20
		For Dynamic Damper, Add	*851.57*	
		For 3 Hour Rated, Add	*473.10*	
23 33 13 19-0115	EA	48" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,935.62	95.71
		For Dynamic Damper, Add	*890.18*	
		For 3 Hour Rated, Add	*494.55*	
23 33 13 19-0116	EA	48" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,042.11	102.02
		For Dynamic Damper, Add	*937.35*	
		For 3 Hour Rated, Add	*520.75*	
23 33 13 19-0117	EA	48" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,123.28	105.09
		For Dynamic Damper, Add	*976.02*	
		For 3 Hour Rated, Add	*542.23*	
23 33 13 19-0118	EA	48" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,228.12	108.34
		For Dynamic Damper, Add	*1,027.46*	
		For 3 Hour Rated, Add	*570.81*	
23 33 13 19-0119	EA	48" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,318.82	114.66
		For Dynamic Damper, Add	*1,066.10*	
		For 3 Hour Rated, Add	*592.28*	
23 33 13 19-0120	EA	48" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,423.76	117.91
		For Dynamic Damper, Add	*1,117.60*	
		For 3 Hour Rated, Add	*620.89*	
23 33 13 19-0121	EA	48" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,516.00	127.48
		For Dynamic Damper, Add	*1,151.91*	
		For 3 Hour Rated, Add	*639.95*	
23 33 13 19-0122	EA	52" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,541.04	54.18
		For Dynamic Damper, Add	*744.30*	
		For 3 Hour Rated, Add	*413.50*	
23 33 13 19-0123	EA	52" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,582.40	57.43
		For Dynamic Damper, Add	*761.46*	
		For 3 Hour Rated, Add	*423.04*	
23 33 13 19-0124	EA	52" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,633.33	63.75
		For Dynamic Damper, Add	*778.63*	
		For 3 Hour Rated, Add	*432.57*	
23 33 13 19-0125	EA	52" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,660.44	70.05
		For Dynamic Damper, Add	*782.94*	
		For 3 Hour Rated, Add	*434.96*	
23 33 13 19-0126	EA	52" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,715.36	76.57
		For Dynamic Damper, Add	*802.25*	
		For 3 Hour Rated, Add	*445.70*	
23 33 13 19-0127	EA	52" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,770.22	82.88
		For Dynamic Damper, Add	*821.55*	
		For 3 Hour Rated, Add	*456.41*	
23 33 13 19-0128	EA	52" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,837.05	89.20
		For Dynamic Damper, Add	*847.30*	
		For 3 Hour Rated, Add	*470.72*	
23 33 13 19-0129	EA	52" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,903.83	95.71
		For Dynamic Damper, Add	*873.02*	
		For 3 Hour Rated, Add	*485.01*	
23 33 13 19-0130	EA	52" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,994.47	102.02
		For Dynamic Damper, Add	*911.63*	
		For 3 Hour Rated, Add	*506.46*	
23 33 13 19-0131	EA	52" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,108.98	108.34
		For Dynamic Damper, Add	*963.13*	
		For 3 Hour Rated, Add	*535.07*	
23 33 13 19-0132	EA	52" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,197.94	111.59
		For Dynamic Damper, Add	*1,005.99*	
		For 3 Hour Rated, Add	*558.89*	
23 33 13 19-0133	EA	52" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,310.90	114.66
		For Dynamic Damper, Add	*1,061.82*	
		For 3 Hour Rated, Add	*589.90*	
23 33 13 19-0134	EA	52" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,425.31	121.17
		For Dynamic Damper, Add	*1,113.27*	
		For 3 Hour Rated, Add	*618.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0135	EA	52" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,516.00	127.48
		For Dynamic Damper, Add	*1,151.91*	
		For 3 Hour Rated, Add	*639.95*	
23 33 13 19-0136	EA	52" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,640.03	137.06
		For Dynamic Damper, Add	*1,203.38*	
		For 3 Hour Rated, Add	*668.54*	
23 33 13 19-0137	EA	52" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,738.65	143.37
		For Dynamic Damper, Add	*1,246.30*	
		For 3 Hour Rated, Add	*692.39*	
23 33 13 19-0138	EA	56" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,566.55	57.43
		For Dynamic Damper, Add	*752.91*	
		For 3 Hour Rated, Add	*418.28*	
23 33 13 19-0139	EA	56" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,625.36	63.75
		For Dynamic Damper, Add	*774.33*	
		For 3 Hour Rated, Add	*430.18*	
23 33 13 19-0140	EA	56" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,668.36	70.05
		For Dynamic Damper, Add	*787.21*	
		For 3 Hour Rated, Add	*437.34*	
23 33 13 19-0141	EA	56" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,695.44	76.57
		For Dynamic Damper, Add	*791.49*	
		For 3 Hour Rated, Add	*439.72*	
23 33 13 19-0142	EA	56" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,758.31	82.88
		For Dynamic Damper, Add	*815.11*	
		For 3 Hour Rated, Add	*452.84*	
23 33 13 19-0143	EA	56" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,821.15	89.20
		For Dynamic Damper, Add	*838.71*	
		For 3 Hour Rated, Add	*465.95*	
23 33 13 19-0144	EA	56" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,883.95	95.71
		For Dynamic Damper, Add	*862.28*	
		For 3 Hour Rated, Add	*479.05*	
23 33 13 19-0145	EA	56" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,946.79	102.02
		For Dynamic Damper, Add	*885.88*	
		For 3 Hour Rated, Add	*492.16*	
23 33 13 19-0146	EA	56" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,061.25	108.34
		For Dynamic Damper, Add	*937.35*	
		For 3 Hour Rated, Add	*520.75*	
23 33 13 19-0147	EA	56" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,166.25	111.59
		For Dynamic Damper, Add	*988.88*	
		For 3 Hour Rated, Add	*549.38*	
23 33 13 19-0148	EA	56" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,263.17	114.66
		For Dynamic Damper, Add	*1,036.05*	
		For 3 Hour Rated, Add	*575.58*	
23 33 13 19-0149	EA	56" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,393.57	121.17
		For Dynamic Damper, Add	*1,096.13*	
		For 3 Hour Rated, Add	*608.96*	
23 33 13 19-0150	EA	56" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,508.03	127.48
		For Dynamic Damper, Add	*1,147.60*	
		For 3 Hour Rated, Add	*637.56*	
23 33 13 19-0151	EA	56" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,630.47	133.80
		For Dynamic Damper, Add	*1,203.38*	
		For 3 Hour Rated, Add	*668.54*	
23 33 13 19-0152	EA	56" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,729.08	140.31
		For Dynamic Damper, Add	*1,246.30*	
		For 3 Hour Rated, Add	*692.39*	
23 33 13 19-0153	EA	56" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,851.51	146.63
		For Dynamic Damper, Add	*1,302.08*	
		For 3 Hour Rated, Add	*723.38*	
23 33 13 19-0154	EA	56" x 56" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,973.95	152.95
		For Dynamic Damper, Add	*1,357.85*	
		For 3 Hour Rated, Add	*754.36*	
23 33 13 19-0155	EA	60" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,609.51	63.75
		For Dynamic Damper, Add	*765.77*	
		For 3 Hour Rated, Add	*425.43*	
23 33 13 19-0156	EA	60" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,668.36	70.05
		For Dynamic Damper, Add	*787.21*	
		For 3 Hour Rated, Add	*437.34*	
23 33 13 19-0157	EA	60" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,703.41	76.57
		For Dynamic Damper, Add	*795.80*	
		For 3 Hour Rated, Add	*442.11*	
23 33 13 19-0158	EA	60" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,730.46	82.88
		For Dynamic Damper, Add	*800.07*	
		For 3 Hour Rated, Add	*444.49*	
23 33 13 19-0159	EA	60" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,797.33	89.20
		For Dynamic Damper, Add	*825.85*	
		For 3 Hour Rated, Add	*458.81*	
23 33 13 19-0160	EA	60" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,864.12	95.71
		For Dynamic Damper, Add	*851.57*	
		For 3 Hour Rated, Add	*473.10*	
23 33 13 19-0161	EA	60" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,934.88	102.02
		For Dynamic Damper, Add	*879.45*	
		For 3 Hour Rated, Add	*488.58*	
23 33 13 19-0162	EA	60" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,005.69	108.34
		For Dynamic Damper, Add	*907.35*	
		For 3 Hour Rated, Add	*504.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0163	EA	60" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,118.56	111.59
		For Dynamic Damper, Add	*963.13*	
		For 3 Hour Rated, Add	*535.07*	
23 33 13 19-0164	EA	60" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,223.45	114.66
		For Dynamic Damper, Add	*1,014.60*	
		For 3 Hour Rated, Add	*563.67*	
23 33 13 19-0165	EA	60" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,345.93	121.17
		For Dynamic Damper, Add	*1,070.40*	
		For 3 Hour Rated, Add	*594.67*	
23 33 13 19-0166	EA	60" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,468.37	127.48
		For Dynamic Damper, Add	*1,126.19*	
		For 3 Hour Rated, Add	*625.66*	
23 33 13 19-0167	EA	60" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,566.94	133.80
		For Dynamic Damper, Add	*1,169.07*	
		For 3 Hour Rated, Add	*649.49*	
23 33 13 19-0168	EA	60" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,713.18	140.31
		For Dynamic Damper, Add	*1,237.71*	
		For 3 Hour Rated, Add	*687.62*	
23 33 13 19-0169	EA	60" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,843.59	146.63
		For Dynamic Damper, Add	*1,297.80*	
		For 3 Hour Rated, Add	*721.00*	
23 33 13 19-0170	EA	60" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,973.95	152.95
		For Dynamic Damper, Add	*1,357.85*	
		For 3 Hour Rated, Add	*754.36*	
23 33 13 19-0171	EA	60" x 56" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	3,088.36	159.45
		For Dynamic Damper, Add	*1,409.30*	
		For 3 Hour Rated, Add	*782.94*	
23 33 13 19-0172	EA	60" x 60" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	3,202.97	165.77
		For Dynamic Damper, Add	*1,460.85*	
		For 3 Hour Rated, Add	*811.58*	

23 33 13 19-0173 Smoke Damper *(23 33 13 19)*

Note: 1-1/2 hour rating, leakage class I with Firestat UL 555S air foil blades.

23 33 13 19-0174	EA	6" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	137.45	14.17
		For Dynamic Damper, Add	*51.28*	
		For 3 Hour Rated, Add	*28.49*	
23 33 13 19-0175	EA	8" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	141.75	14.80
		For Dynamic Damper, Add	*52.56*	
		For 3 Hour Rated, Add	*29.20*	
23 33 13 19-0176	EA	8" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	144.43	14.93
		For Dynamic Damper, Add	*53.87*	
		For 3 Hour Rated, Add	*29.93*	
23 33 13 19-0177	EA	10" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	144.43	14.93
		For Dynamic Damper, Add	*53.87*	
		For 3 Hour Rated, Add	*29.93*	
23 33 13 19-0178	EA	10" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	148.11	15.32
		For Dynamic Damper, Add	*55.17*	
		For 3 Hour Rated, Add	*30.65*	
23 33 13 19-0179	EA	10" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	158.01	16.98
		For Dynamic Damper, Add	*57.76*	
		For 3 Hour Rated, Add	*32.09*	
23 33 13 19-0180	EA	12" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	148.11	15.32
		For Dynamic Damper, Add	*55.17*	
		For 3 Hour Rated, Add	*30.65*	
23 33 13 19-0181	EA	12" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	155.45	16.21
		For Dynamic Damper, Add	*57.76*	
		For 3 Hour Rated, Add	*32.09*	
23 33 13 19-0182	EA	12" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	160.42	16.98
		For Dynamic Damper, Add	*59.06*	
		For 3 Hour Rated, Add	*32.81*	
23 33 13 19-0183	EA	12" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	169.20	19.14
		For Dynamic Damper, Add	*60.36*	
		For 3 Hour Rated, Add	*33.53*	
23 33 13 19-0184	EA	14" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	154.26	16.21
		For Dynamic Damper, Add	*57.12*	
		For 3 Hour Rated, Add	*31.73*	
23 33 13 19-0185	EA	14" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	160.42	16.98
		For Dynamic Damper, Add	*59.06*	
		For 3 Hour Rated, Add	*32.81*	
23 33 13 19-0186	EA	14" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	165.36	17.86
		For Dynamic Damper, Add	*60.36*	
		For 3 Hour Rated, Add	*33.53*	
23 33 13 19-0187	EA	14" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	171.62	19.14
		For Dynamic Damper, Add	*61.66*	
		For 3 Hour Rated, Add	*34.26*	
23 33 13 19-0188	EA	14" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	184.01	21.31
		For Dynamic Damper, Add	*64.91*	
		For 3 Hour Rated, Add	*36.06*	
23 33 13 19-0189	EA	16" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	247.98	16.98
		For Dynamic Damper, Add	*106.34*	
		For 3 Hour Rated, Add	*59.08*	
23 33 13 19-0190	EA	16" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	254.20	18.25
		For Dynamic Damper, Add	*107.64*	
		For 3 Hour Rated, Add	*59.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0191	EA	16" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	261.72	20.03
		For Dynamic Damper, Add	*108.94*	
		For 3 Hour Rated, Add	*60.52*	
23 33 13 19-0192	EA	16" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	267.94	21.31
		For Dynamic Damper, Add	*110.23*	
		For 3 Hour Rated, Add	*61.24*	
23 33 13 19-0193	EA	16" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	280.36	23.35
		For Dynamic Damper, Add	*113.49*	
		For 3 Hour Rated, Add	*63.05*	
23 33 13 19-0194	EA	16" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	292.74	25.52
		For Dynamic Damper, Add	*116.73*	
		For 3 Hour Rated, Add	*64.85*	
23 33 13 19-0195	EA	18" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	252.92	17.86
		For Dynamic Damper, Add	*107.64*	
		For 3 Hour Rated, Add	*59.80*	
23 33 13 19-0196	EA	18" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	260.37	19.14
		For Dynamic Damper, Add	*109.59*	
		For 3 Hour Rated, Add	*60.88*	
23 33 13 19-0197	EA	18" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	270.37	21.31
		For Dynamic Damper, Add	*111.54*	
		For 3 Hour Rated, Add	*61.97*	
23 33 13 19-0198	EA	18" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	282.76	23.35
		For Dynamic Damper, Add	*114.79*	
		For 3 Hour Rated, Add	*63.77*	
23 33 13 19-0199	EA	18" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	293.93	25.52
		For Dynamic Damper, Add	*117.37*	
		For 3 Hour Rated, Add	*65.21*	
23 33 13 19-0200	EA	18" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	306.33	27.56
		For Dynamic Damper, Add	*120.63*	
		For 3 Hour Rated, Add	*67.02*	
23 33 13 19-0201	EA	18" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	316.32	29.73
		For Dynamic Damper, Add	*122.58*	
		For 3 Hour Rated, Add	*68.10*	
23 33 13 19-0202	EA	20" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	259.17	19.14
		For Dynamic Damper, Add	*108.94*	
		For 3 Hour Rated, Add	*60.52*	
23 33 13 19-0203	EA	20" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	270.35	21.31
		For Dynamic Damper, Add	*111.53*	
		For 3 Hour Rated, Add	*61.96*	
23 33 13 19-0204	EA	20" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	281.55	23.35
		For Dynamic Damper, Add	*114.13*	
		For 3 Hour Rated, Add	*63.41*	
23 33 13 19-0205	EA	20" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	297.56	25.52
		For Dynamic Damper, Add	*119.33*	
		For 3 Hour Rated, Add	*66.30*	
23 33 13 19-0206	EA	20" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	307.54	27.56
		For Dynamic Damper, Add	*121.28*	
		For 3 Hour Rated, Add	*67.38*	
23 33 13 19-0207	EA	20" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	317.52	29.73
		For Dynamic Damper, Add	*123.23*	
		For 3 Hour Rated, Add	*68.46*	
23 33 13 19-0208	EA	20" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	328.71	31.91
		For Dynamic Damper, Add	*125.82*	
		For 3 Hour Rated, Add	*69.90*	
23 33 13 19-0209	EA	20" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	339.89	33.94
		For Dynamic Damper, Add	*128.41*	
		For 3 Hour Rated, Add	*71.34*	
23 33 13 19-0210	EA	24" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	342.80	21.31
		For Dynamic Damper, Add	*150.65*	
		For 3 Hour Rated, Add	*83.70*	
23 33 13 19-0211	EA	24" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	356.41	23.35
		For Dynamic Damper, Add	*154.56*	
		For 3 Hour Rated, Add	*85.87*	
23 33 13 19-0212	EA	24" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	367.60	25.52
		For Dynamic Damper, Add	*157.16*	
		For 3 Hour Rated, Add	*87.31*	
23 33 13 19-0213	EA	24" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	381.19	27.56
		For Dynamic Damper, Add	*161.06*	
		For 3 Hour Rated, Add	*89.48*	
23 33 13 19-0214	EA	24" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	391.17	29.73
		For Dynamic Damper, Add	*163.00*	
		For 3 Hour Rated, Add	*90.56*	
23 33 13 19-0215	EA	24" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	401.15	31.91
		For Dynamic Damper, Add	*164.94*	
		For 3 Hour Rated, Add	*91.63*	
23 33 13 19-0216	EA	24" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	414.75	33.94
		For Dynamic Damper, Add	*168.84*	
		For 3 Hour Rated, Add	*93.80*	
23 33 13 19-0217	EA	24" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	434.72	38.29
		For Dynamic Damper, Add	*172.73*	
		For 3 Hour Rated, Add	*95.96*	
23 33 13 19-0218	EA	24" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	457.11	42.49
		For Dynamic Damper, Add	*177.93*	
		For 3 Hour Rated, Add	*98.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0219	EA	28" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	356.41	23.35
		For Dynamic Damper, Add	*154.56*	
		For 3 Hour Rated, Add	*85.87*	
23 33 13 19-0220	EA	28" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	367.60	25.52
		For Dynamic Damper, Add	*157.16*	
		For 3 Hour Rated, Add	*87.31*	
23 33 13 19-0221	EA	28" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	381.19	27.56
		For Dynamic Damper, Add	*161.06*	
		For 3 Hour Rated, Add	*89.48*	
23 33 13 19-0222	EA	28" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	392.37	29.73
		For Dynamic Damper, Add	*163.65*	
		For 3 Hour Rated, Add	*90.92*	
23 33 13 19-0223	EA	28" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	404.76	31.91
		For Dynamic Damper, Add	*166.89*	
		For 3 Hour Rated, Add	*92.72*	
23 33 13 19-0224	EA	28" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	417.15	33.94
		For Dynamic Damper, Add	*170.13*	
		For 3 Hour Rated, Add	*94.52*	
23 33 13 19-0225	EA	28" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	437.12	38.29
		For Dynamic Damper, Add	*174.03*	
		For 3 Hour Rated, Add	*96.68*	
23 33 13 19-0226	EA	28" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	457.11	42.49
		For Dynamic Damper, Add	*177.93*	
		For 3 Hour Rated, Add	*98.85*	
23 33 13 19-0227	EA	28" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	477.91	44.67
		For Dynamic Damper, Add	*185.72*	
		For 3 Hour Rated, Add	*103.18*	
23 33 13 19-0228	EA	28" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	502.70	48.87
		For Dynamic Damper, Add	*192.21*	
		For 3 Hour Rated, Add	*106.79*	
23 33 13 19-0229	EA	32" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	374.82	25.52
		For Dynamic Damper, Add	*161.06*	
		For 3 Hour Rated, Add	*89.48*	
23 33 13 19-0230	EA	32" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	383.57	27.56
		For Dynamic Damper, Add	*162.34*	
		For 3 Hour Rated, Add	*90.19*	
23 33 13 19-0231	EA	32" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	392.37	29.73
		For Dynamic Damper, Add	*163.65*	
		For 3 Hour Rated, Add	*90.92*	
23 33 13 19-0232	EA	32" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	403.55	31.91
		For Dynamic Damper, Add	*166.23*	
		For 3 Hour Rated, Add	*92.35*	
23 33 13 19-0233	EA	32" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	417.60	33.94
		For Dynamic Damper, Add	*170.38*	
		For 3 Hour Rated, Add	*94.65*	
23 33 13 19-0234	EA	32" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	437.12	38.29
		For Dynamic Damper, Add	*174.03*	
		For 3 Hour Rated, Add	*96.68*	
23 33 13 19-0235	EA	32" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	459.51	42.49
		For Dynamic Damper, Add	*179.23*	
		For 3 Hour Rated, Add	*99.57*	
23 33 13 19-0236	EA	32" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	481.90	46.71
		For Dynamic Damper, Add	*184.43*	
		For 3 Hour Rated, Add	*102.46*	
23 33 13 19-0237	EA	32" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	502.70	48.87
		For Dynamic Damper, Add	*192.21*	
		For 3 Hour Rated, Add	*106.79*	
23 33 13 19-0238	EA	32" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	529.75	52.32
		For Dynamic Damper, Add	*201.31*	
		For 3 Hour Rated, Add	*111.84*	
23 33 13 19-0239	EA	32" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	557.92	55.25
		For Dynamic Damper, Add	*211.69*	
		For 3 Hour Rated, Add	*117.61*	
23 33 13 19-0240	EA	36" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	392.52	27.56
		For Dynamic Damper, Add	*167.17*	
		For 3 Hour Rated, Add	*92.87*	
23 33 13 19-0241	EA	36" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	403.92	29.73
		For Dynamic Damper, Add	*169.88*	
		For 3 Hour Rated, Add	*94.38*	
23 33 13 19-0242	EA	36" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	415.34	31.91
		For Dynamic Damper, Add	*172.60*	
		For 3 Hour Rated, Add	*95.89*	
23 33 13 19-0243	EA	36" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	429.28	33.94
		For Dynamic Damper, Add	*176.68*	
		For 3 Hour Rated, Add	*98.16*	
23 33 13 19-0244	EA	36" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	445.84	38.29
		For Dynamic Damper, Add	*178.73*	
		For 3 Hour Rated, Add	*99.30*	
23 33 13 19-0245	EA	36" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	456.01	40.33
		For Dynamic Damper, Add	*180.78*	
		For 3 Hour Rated, Add	*100.43*	
23 33 13 19-0246	EA	36" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	487.74	46.71
		For Dynamic Damper, Add	*187.58*	
		For 3 Hour Rated, Add	*104.21*	

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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0247	EA	36" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	513.08	51.05
		For Dynamic Damper, Add	*194.37*	
		For 3 Hour Rated, Add	*107.98*	
23 33 13 19-0248	EA	36" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	533.31	52.71
		For Dynamic Damper, Add	*202.54*	
		For 3 Hour Rated, Add	*112.52*	
23 33 13 19-0249	EA	36" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	564.93	56.53
		For Dynamic Damper, Add	*213.41*	
		For 3 Hour Rated, Add	*118.56*	
23 33 13 19-0250	EA	36" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	591.50	59.47
		For Dynamic Damper, Add	*222.93*	
		For 3 Hour Rated, Add	*123.85*	
23 33 13 19-0251	EA	36" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	618.03	61.63
		For Dynamic Damper, Add	*233.81*	
		For 3 Hour Rated, Add	*129.90*	
23 33 13 19-0252	EA	40" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	453.93	31.91
		For Dynamic Damper, Add	*196.89*	
		For 3 Hour Rated, Add	*109.38*	
23 33 13 19-0253	EA	40" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	470.39	33.94
		For Dynamic Damper, Add	*202.33*	
		For 3 Hour Rated, Add	*112.40*	
23 33 13 19-0254	EA	40" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	479.29	36.11
		For Dynamic Damper, Add	*203.69*	
		For 3 Hour Rated, Add	*113.16*	
23 33 13 19-0255	EA	40" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	488.20	38.29
		For Dynamic Damper, Add	*205.05*	
		For 3 Hour Rated, Add	*113.92*	
23 33 13 19-0256	EA	40" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	509.78	40.33
		For Dynamic Damper, Add	*209.82*	
		For 3 Hour Rated, Add	*116.57*	
23 33 13 19-0257	EA	40" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	524.99	42.49
		For Dynamic Damper, Add	*214.59*	
		For 3 Hour Rated, Add	*119.21*	
23 33 13 19-0258	EA	40" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	554.20	48.87
		For Dynamic Damper, Add	*220.02*	
		For 3 Hour Rated, Add	*122.24*	
23 33 13 19-0259	EA	40" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	577.05	53.09
		For Dynamic Damper, Add	*225.47*	
		For 3 Hour Rated, Add	*125.26*	
23 33 13 19-0260	EA	40" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	602.36	56.53
		For Dynamic Damper, Add	*233.63*	
		For 3 Hour Rated, Add	*129.79*	
23 33 13 19-0261	EA	40" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	639.01	59.47
		For Dynamic Damper, Add	*248.59*	
		For 3 Hour Rated, Add	*138.11*	
23 33 13 19-0262	EA	40" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	664.31	62.91
		For Dynamic Damper, Add	*256.74*	
		For 3 Hour Rated, Add	*142.63*	
23 33 13 19-0263	EA	40" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	697.13	64.57
		For Dynamic Damper, Add	*271.71*	
		For 3 Hour Rated, Add	*150.95*	
23 33 13 19-0264	EA	40" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	732.54	68.02
		For Dynamic Damper, Add	*285.31*	
		For 3 Hour Rated, Add	*158.51*	
23 33 13 19-0265	EA	44" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	465.37	31.91
		For Dynamic Damper, Add	*199.62*	
		For 3 Hour Rated, Add	*110.90*	
23 33 13 19-0266	EA	44" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	481.82	33.94
		For Dynamic Damper, Add	*205.05*	
		For 3 Hour Rated, Add	*113.92*	
23 33 13 19-0267	EA	44" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	495.78	36.11
		For Dynamic Damper, Add	*209.15*	
		For 3 Hour Rated, Add	*116.19*	
23 33 13 19-0268	EA	44" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	504.68	38.29
		For Dynamic Damper, Add	*210.51*	
		For 3 Hour Rated, Add	*116.95*	
23 33 13 19-0269	EA	44" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	521.13	40.33
		For Dynamic Damper, Add	*215.95*	
		For 3 Hour Rated, Add	*119.97*	
23 33 13 19-0270	EA	44" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	537.58	42.49
		For Dynamic Damper, Add	*221.38*	
		For 3 Hour Rated, Add	*122.99*	
23 33 13 19-0271	EA	44" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	575.72	51.05
		For Dynamic Damper, Add	*228.19*	
		For 3 Hour Rated, Add	*126.77*	
23 33 13 19-0272	EA	44" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	601.05	55.25
		For Dynamic Damper, Add	*234.98*	
		For 3 Hour Rated, Add	*130.55*	
23 33 13 19-0273	EA	44" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	639.01	59.47
		For Dynamic Damper, Add	*248.59*	
		For 3 Hour Rated, Add	*138.11*	
23 33 13 19-0274	EA	44" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	674.44	63.81
		For Dynamic Damper, Add	*260.83*	
		For 3 Hour Rated, Add	*144.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0275	EA	44" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	712.37	68.02
		For Dynamic Damper, Add	*274.42*	
		For 3 Hour Rated, Add	*152.46*	
23 33 13 19-0276	EA	44" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	741.42	70.05
		For Dynamic Damper, Add	*286.66*	
		For 3 Hour Rated, Add	*159.26*	
23 33 13 19-0277	EA	44" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	770.49	72.23
		For Dynamic Damper, Add	*298.91*	
		For 3 Hour Rated, Add	*166.06*	
23 33 13 19-0278	EA	44" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	799.55	74.40
		For Dynamic Damper, Add	*311.16*	
		For 3 Hour Rated, Add	*172.87*	
23 33 13 19-0279	EA	48" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	479.29	33.94
		For Dynamic Damper, Add	*203.69*	
		For 3 Hour Rated, Add	*113.16*	
23 33 13 19-0280	EA	48" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	495.78	36.11
		For Dynamic Damper, Add	*209.15*	
		For 3 Hour Rated, Add	*116.19*	
23 33 13 19-0281	EA	48" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	504.68	38.29
		For Dynamic Damper, Add	*210.51*	
		For 3 Hour Rated, Add	*116.95*	
23 33 13 19-0282	EA	48" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	524.99	42.49
		For Dynamic Damper, Add	*214.59*	
		For 3 Hour Rated, Add	*119.21*	
23 33 13 19-0283	EA	48" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	547.82	46.71
		For Dynamic Damper, Add	*220.02*	
		For 3 Hour Rated, Add	*122.24*	
23 33 13 19-0284	EA	48" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	570.67	51.05
		For Dynamic Damper, Add	*225.47*	
		For 3 Hour Rated, Add	*125.26*	
23 33 13 19-0285	EA	48" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	598.54	55.25
		For Dynamic Damper, Add	*233.63*	
		For 3 Hour Rated, Add	*129.79*	
23 33 13 19-0286	EA	48" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	626.40	59.47
		For Dynamic Damper, Add	*241.78*	
		For 3 Hour Rated, Add	*134.32*	
23 33 13 19-0287	EA	48" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	661.84	63.81
		For Dynamic Damper, Add	*254.03*	
		For 3 Hour Rated, Add	*141.13*	
23 33 13 19-0288	EA	48" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	702.30	68.02
		For Dynamic Damper, Add	*268.98*	
		For 3 Hour Rated, Add	*149.44*	
23 33 13 19-0289	EA	48" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	731.37	70.05
		For Dynamic Damper, Add	*281.24*	
		For 3 Hour Rated, Add	*156.24*	
23 33 13 19-0290	EA	48" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	767.97	72.23
		For Dynamic Damper, Add	*297.55*	
		For 3 Hour Rated, Add	*165.31*	
23 33 13 19-0291	EA	48" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	803.41	76.44
		For Dynamic Damper, Add	*309.80*	
		For 3 Hour Rated, Add	*172.11*	
23 33 13 19-0292	EA	48" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	840.01	78.61
		For Dynamic Damper, Add	*326.12*	
		For 3 Hour Rated, Add	*181.18*	
23 33 13 19-0293	EA	48" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	879.29	84.99
		For Dynamic Damper, Add	*337.00*	
		For 3 Hour Rated, Add	*187.22*	
23 33 13 19-0294	EA	52" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	493.26	36.11
		For Dynamic Damper, Add	*207.79*	
		For 3 Hour Rated, Add	*115.44*	
23 33 13 19-0295	EA	52" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	509.71	38.29
		For Dynamic Damper, Add	*213.22*	
		For 3 Hour Rated, Add	*118.46*	
23 33 13 19-0296	EA	52" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	532.53	42.49
		For Dynamic Damper, Add	*218.66*	
		For 3 Hour Rated, Add	*121.48*	
23 33 13 19-0297	EA	52" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	547.82	46.71
		For Dynamic Damper, Add	*220.02*	
		For 3 Hour Rated, Add	*122.24*	
23 33 13 19-0298	EA	52" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	571.93	51.05
		For Dynamic Damper, Add	*226.15*	
		For 3 Hour Rated, Add	*125.64*	
23 33 13 19-0299	EA	52" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	596.02	55.25
		For Dynamic Damper, Add	*232.26*	
		For 3 Hour Rated, Add	*129.04*	
23 33 13 19-0300	EA	52" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	623.89	59.47
		For Dynamic Damper, Add	*240.42*	
		For 3 Hour Rated, Add	*133.57*	
23 33 13 19-0301	EA	52" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	651.77	63.81
		For Dynamic Damper, Add	*248.59*	
		For 3 Hour Rated, Add	*138.11*	
23 33 13 19-0302	EA	52" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	687.20	68.02
		For Dynamic Damper, Add	*260.83*	
		For 3 Hour Rated, Add	*144.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0303	EA	52" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	730.18	72.23
		For Dynamic Damper, Add	*277.14*	
		For 3 Hour Rated, Add	*153.97*	
23 33 13 19-0304	EA	52" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	761.74	74.40
		For Dynamic Damper, Add	*290.74*	
		For 3 Hour Rated, Add	*161.52*	
23 33 13 19-0305	EA	52" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	800.88	76.44
		For Dynamic Damper, Add	*308.43*	
		For 3 Hour Rated, Add	*171.35*	
23 33 13 19-0306	EA	52" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	843.85	80.78
		For Dynamic Damper, Add	*324.75*	
		For 3 Hour Rated, Add	*180.41*	
23 33 13 19-0307	EA	52" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	879.29	84.99
		For Dynamic Damper, Add	*337.00*	
		For 3 Hour Rated, Add	*187.22*	
23 33 13 19-0308	EA	52" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	928.67	91.37
		For Dynamic Damper, Add	*353.32*	
		For 3 Hour Rated, Add	*196.29*	
23 33 13 19-0309	EA	52" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	966.63	95.58
		For Dynamic Damper, Add	*366.93*	
		For 3 Hour Rated, Add	*203.85*	
23 33 13 19-0310	EA	56" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	504.68	38.29
		For Dynamic Damper, Add	*210.51*	
		For 3 Hour Rated, Add	*116.95*	
23 33 13 19-0311	EA	56" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	530.01	42.49
		For Dynamic Damper, Add	*217.30*	
		For 3 Hour Rated, Add	*120.72*	
23 33 13 19-0312	EA	56" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	550.34	46.71
		For Dynamic Damper, Add	*221.38*	
		For 3 Hour Rated, Add	*122.99*	
23 33 13 19-0313	EA	56" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	565.61	51.05
		For Dynamic Damper, Add	*222.73*	
		For 3 Hour Rated, Add	*123.74*	
23 33 13 19-0314	EA	56" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	592.24	55.25
		For Dynamic Damper, Add	*230.22*	
		For 3 Hour Rated, Add	*127.90*	
23 33 13 19-0315	EA	56" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	618.85	59.47
		For Dynamic Damper, Add	*237.70*	
		For 3 Hour Rated, Add	*132.06*	
23 33 13 19-0316	EA	56" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	645.46	63.81
		For Dynamic Damper, Add	*245.18*	
		For 3 Hour Rated, Add	*136.21*	
23 33 13 19-0317	EA	56" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	672.07	68.02
		For Dynamic Damper, Add	*252.66*	
		For 3 Hour Rated, Add	*140.37*	
23 33 13 19-0318	EA	56" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	715.07	72.23
		For Dynamic Damper, Add	*268.98*	
		For 3 Hour Rated, Add	*149.44*	
23 33 13 19-0319	EA	56" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	751.69	74.40
		For Dynamic Damper, Add	*285.31*	
		For 3 Hour Rated, Add	*158.51*	
23 33 13 19-0320	EA	56" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	785.77	76.44
		For Dynamic Damper, Add	*300.27*	
		For 3 Hour Rated, Add	*166.82*	
23 33 13 19-0321	EA	56" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	833.80	80.78
		For Dynamic Damper, Add	*319.32*	
		For 3 Hour Rated, Add	*177.40*	
23 33 13 19-0322	EA	56" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	876.77	84.99
		For Dynamic Damper, Add	*335.64*	
		For 3 Hour Rated, Add	*186.47*	
23 33 13 19-0323	EA	56" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	922.28	89.20
		For Dynamic Damper, Add	*353.32*	
		For 3 Hour Rated, Add	*196.29*	
23 33 13 19-0324	EA	56" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	960.25	93.54
		For Dynamic Damper, Add	*366.93*	
		For 3 Hour Rated, Add	*203.85*	
23 33 13 19-0325	EA	56" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,005.75	97.75
		For Dynamic Damper, Add	*384.61*	
		For 3 Hour Rated, Add	*213.67*	
23 33 13 19-0326	EA	56" x 56" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,051.26	101.96
		For Dynamic Damper, Add	*402.29*	
		For 3 Hour Rated, Add	*223.50*	
23 33 13 19-0327	EA	60" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	524.99	42.49
		For Dynamic Damper, Add	*214.59*	
		For 3 Hour Rated, Add	*119.21*	
23 33 13 19-0328	EA	60" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	550.34	46.71
		For Dynamic Damper, Add	*221.38*	
		For 3 Hour Rated, Add	*122.99*	
23 33 13 19-0329	EA	60" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	568.13	51.05
		For Dynamic Damper, Add	*224.09*	
		For 3 Hour Rated, Add	*124.50*	
23 33 13 19-0330	EA	60" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	583.43	55.25
		For Dynamic Damper, Add	*225.47*	
		For 3 Hour Rated, Add	*125.26*	

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23 33 13 19-0331	EA	60" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	611.30	59.47
		For Dynamic Damper, Add	*233.63*	
		For 3 Hour Rated, Add	*129.79*	
23 33 13 19-0332	EA	60" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	639.16	63.81
		For Dynamic Damper, Add	*241.78*	
		For 3 Hour Rated, Add	*134.32*	
23 33 13 19-0333	EA	60" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	668.29	68.02
		For Dynamic Damper, Add	*250.62*	
		For 3 Hour Rated, Add	*139.23*	
23 33 13 19-0334	EA	60" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	697.43	72.23
		For Dynamic Damper, Add	*259.46*	
		For 3 Hour Rated, Add	*144.14*	
23 33 13 19-0335	EA	60" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	736.56	74.40
		For Dynamic Damper, Add	*277.14*	
		For 3 Hour Rated, Add	*153.97*	
23 33 13 19-0336	EA	60" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	773.16	76.44
		For Dynamic Damper, Add	*293.46*	
		For 3 Hour Rated, Add	*163.04*	
23 33 13 19-0337	EA	60" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	818.69	80.78
		For Dynamic Damper, Add	*311.16*	
		For 3 Hour Rated, Add	*172.87*	
23 33 13 19-0338	EA	60" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	864.18	84.99
		For Dynamic Damper, Add	*328.84*	
		For 3 Hour Rated, Add	*182.69*	
23 33 13 19-0339	EA	60" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	902.12	89.20
		For Dynamic Damper, Add	*342.44*	
		For 3 Hour Rated, Add	*190.24*	
23 33 13 19-0340	EA	60" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	955.19	93.54
		For Dynamic Damper, Add	*364.20*	
		For 3 Hour Rated, Add	*202.33*	
23 33 13 19-0341	EA	60" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,003.21	97.75
		For Dynamic Damper, Add	*383.24*	
		For 3 Hour Rated, Add	*212.91*	
23 33 13 19-0342	EA	60" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,051.26	101.96
		For Dynamic Damper, Add	*402.29*	
		For 3 Hour Rated, Add	*223.50*	
23 33 13 19-0343	EA	60" x 56" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,094.21	106.30
		For Dynamic Damper, Add	*418.60*	
		For 3 Hour Rated, Add	*232.55*	
23 33 13 19-0344	EA	60" x 60" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,137.23	110.52
		For Dynamic Damper, Add	*434.94*	
		For 3 Hour Rated, Add	*241.63*	

23 33 13 19-0345 Combination Smoke/Fire Damper (Ruskin FSD60) *(23 33 13 19)*

Note: 1-1/2 hour rating, 4,000 FPM, 8" W.G., leakage class I with Firestat UL 555S air foil blades and actuator.

23 33 13 19-0346	EA	6" x 6", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	898.48	21.31
		For 3 Hour Rated, Add	*333.87*	
23 33 13 19-0347	EA	8" x 6", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	921.65	22.21
		For 3 Hour Rated, Add	*342.02*	
23 33 13 19-0348	EA	8" x 8", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	942.68	22.46
		For 3 Hour Rated, Add	*350.27*	
23 33 13 19-0349	EA	10" x 6", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	987.42	22.46
		For 3 Hour Rated, Add	*368.17*	
23 33 13 19-0350	EA	10" x 8", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,010.88	22.97
		For 3 Hour Rated, Add	*376.79*	
23 33 13 19-0351	EA	10" x 10", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,061.78	25.52
		For 3 Hour Rated, Add	*394.08*	
23 33 13 19-0352	EA	11" x 11", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,077.93	27.06
		For 3 Hour Rated, Add	*398.60*	
23 33 13 19-0353	EA	12" x 6", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	992.33	22.97
		For 3 Hour Rated, Add	*369.37*	
23 33 13 19-0354	EA	12" x 8", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,038.56	24.37
		For 3 Hour Rated, Add	*386.33*	
23 33 13 19-0355	EA	12" x 10", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,063.52	25.52
		For 3 Hour Rated, Add	*394.78*	

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23 33 13 19-0356	EA	12" x 12", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	1,093.97	28.71
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*403.14*	
23 33 13 19-0357	EA	14" x 6", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	992.12	24.37
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*367.75*	
23 33 13 19-0358	EA	14" x 8", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	1,026.45	25.52
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*379.95*	
23 33 13 19-0359	EA	14" x 10", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	1,050.75	26.80
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*388.14*	
23 33 13 19-0360	EA	14" x 12", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	1,076.95	28.71
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*396.33*	
23 33 13 19-0361	EA	14" x 14", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	1,137.50	32.03
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*416.72*	
23 33 13 19-0362	EA	16" x 8", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	1,062.18	27.44
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*391.95*	
23 33 13 19-0363	EA	16" x 10", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	1,090.90	30.12
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*400.37*	
23 33 13 19-0364	EA	16" x 12", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	1,117.68	32.03
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*408.79*	
23 33 13 19-0365	EA	16" x 14", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	1,156.99	35.10
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*420.68*	
23 33 13 19-0366	EA	16" x 16", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	1,193.01	38.29
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*431.26*	
23 33 13 19-0367	EA	16" x 24", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	1,363.80	47.86
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*488.10*	
23 33 13 19-0368	EA	18" x 8", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	1,066.00	28.71
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*391.95*	
23 33 13 19-0369	EA	18" x 10", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	1,103.94	32.03
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*403.29*	
23 33 13 19-0370	EA	18" x 12", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	1,141.86	35.10
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*414.63*	
23 33 13 19-0371	EA	18" x 14", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	1,177.90	38.29
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*425.22*	
23 33 13 19-0372	EA	18" x 16", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	1,213.92	41.35
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*435.80*	
23 33 13 19-0373	EA	18" x 18", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	1,249.96	44.67
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*446.39*	
23 33 13 19-0374	EA	20" x 8", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	1,140.93	32.03
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*418.09*	
23 33 13 19-0375	EA	20" x 10", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	1,179.84	35.10
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*429.82*	
23 33 13 19-0376	EA	20" x 12", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60)	1,218.74	38.29
		Note: Includes acuator and PFMA mounting angles for 2 sides.		
		For 3 Hour Rated, Add	*441.56*	

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23 33 13 19-0377	EA	20" x 14", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,257.65	41.35
		For 3 Hour Rated, Add	*453.29*	
23 33 13 19-0378	EA	20" x 16", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,299.22	44.67
		For 3 Hour Rated, Add	*466.09*	
23 33 13 19-0379	EA	20" x 18", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,333.05	47.86
		For 3 Hour Rated, Add	*475.80*	
23 33 13 19-0380	EA	20" x 20", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,366.79	50.92
		For 3 Hour Rated, Add	*485.46*	
23 33 13 19-0381	EA	20" x 24", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,445.15	57.43
		For 3 Hour Rated, Add	*509.15*	
23 33 13 19-0382	EA	22" x 10", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,192.01	36.63
		For 3 Hour Rated, Add	*432.75*	
23 33 13 19-0383	EA	22" x 12", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,232.26	39.82
		For 3 Hour Rated, Add	*445.02*	
23 33 13 19-0384	EA	22" x 14", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,272.51	43.01
		For 3 Hour Rated, Add	*457.30*	
23 33 13 19-0385	EA	22" x 16", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,314.08	46.20
		For 3 Hour Rated, Add	*470.10*	
23 33 13 19-0386	EA	22" x 18", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,348.56	49.39
		For 3 Hour Rated, Add	*480.06*	
23 33 13 19-0387	EA	22" x 20", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,387.73	54.24
		For 3 Hour Rated, Add	*490.01*	
23 33 13 19-0388	EA	22" x 22", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,412.94	57.04
		For 3 Hour Rated, Add	*496.68*	
23 33 13 19-0389	EA	22" x 32", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,801.28	71.72
		For 3 Hour Rated, Add	*634.35*	
23 33 13 19-0390	EA	22" x 34", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,093.73	76.18
		For 3 Hour Rated, Add	*745.97*	
23 33 13 19-0391	EA	24" x 10", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,236.22	38.29
		For 3 Hour Rated, Add	*448.55*	
23 33 13 19-0392	EA	24" x 12", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,278.75	41.35
		For 3 Hour Rated, Add	*461.73*	
23 33 13 19-0393	EA	24" x 14", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,321.29	44.67
		For 3 Hour Rated, Add	*474.92*	
23 33 13 19-0394	EA	24" x 16", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,363.80	47.86
		For 3 Hour Rated, Add	*488.10*	
23 33 13 19-0395	EA	24" x 18", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,399.71	50.92
		For 3 Hour Rated, Add	*498.63*	
23 33 13 19-0396	EA	24" x 20", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,445.15	57.43
		For 3 Hour Rated, Add	*509.15*	
23 33 13 19-0397	EA	24" x 22", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,472.29	60.62
		For 3 Hour Rated, Add	*516.18*	

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23 33 13 19-0398	EA	24" x 24", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,499.41	63.81
		For 3 Hour Rated, Add	*523.20*	
23 33 13 19-0399	EA	26" x 10", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,253.68	39.82
		For 3 Hour Rated, Add	*453.59*	
23 33 13 19-0400	EA	26" x 12", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,292.10	43.01
		For 3 Hour Rated, Add	*465.13*	
23 33 13 19-0401	EA	26" x 14", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,339.08	46.20
		For 3 Hour Rated, Add	*480.10*	
23 33 13 19-0402	EA	26" x 16", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,386.19	49.39
		For 3 Hour Rated, Add	*495.11*	
23 33 13 19-0403	EA	26" x 18", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,426.80	54.24
		For 3 Hour Rated, Add	*505.64*	
23 33 13 19-0404	EA	26" x 20", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,472.29	60.62
		For 3 Hour Rated, Add	*516.18*	
23 33 13 19-0405	EA	26" x 22", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,501.37	63.04
		For 3 Hour Rated, Add	*524.95*	
23 33 13 19-0406	EA	26" x 24", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,530.59	65.34
		For 3 Hour Rated, Add	*533.73*	
23 33 13 19-0407	EA	26" x 26", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,560.56	68.27
		For 3 Hour Rated, Add	*542.20*	
23 33 13 19-0408	EA	28" x 10", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,363.01	41.35
		For 3 Hour Rated, Add	*495.44*	
23 33 13 19-0409	EA	28" x 12", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,408.44	44.67
		For 3 Hour Rated, Add	*509.78*	
23 33 13 19-0410	EA	28" x 14", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,458.55	47.86
		For 3 Hour Rated, Add	*526.00*	
23 33 13 19-0411	EA	28" x 16", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,508.74	50.92
		For 3 Hour Rated, Add	*542.24*	
23 33 13 19-0412	EA	28" x 18", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,551.54	57.43
		For 3 Hour Rated, Add	*551.70*	
23 33 13 19-0413	EA	28" x 20", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,601.37	63.81
		For 3 Hour Rated, Add	*563.98*	
23 33 13 19-0414	EA	28" x 22", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,632.15	65.34
		For 3 Hour Rated, Add	*574.35*	
23 33 13 19-0415	EA	28" x 24", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,662.80	67.00
		For 3 Hour Rated, Add	*584.72*	
23 33 13 19-0416	EA	28" x 26", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,697.92	70.19
		For 3 Hour Rated, Add	*594.94*	
23 33 13 19-0417	EA	28" x 28", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,731.09	73.38
		For 3 Hour Rated, Add	*604.38*	
23 33 13 19-0418	EA	28" x 36", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,567.19	84.87
		For 3 Hour Rated, Add	*925.04*	

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23 33 13 19-0419	EA	30" x 10", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,372.22	43.01
		For 3 Hour Rated, Add	*497.18*	
23 33 13 19-0420	EA	30" x 12", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,422.11	46.20
		For 3 Hour Rated, Add	*513.31*	
23 33 13 19-0421	EA	30" x 14", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,472.04	49.39
		For 3 Hour Rated, Add	*529.45*	
23 33 13 19-0422	EA	30" x 16", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,526.71	54.24
		For 3 Hour Rated, Add	*545.60*	
23 33 13 19-0423	EA	30" x 18", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,564.51	60.62
		For 3 Hour Rated, Add	*553.06*	
23 33 13 19-0424	EA	30" x 20", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,616.38	66.87
		For 3 Hour Rated, Add	*566.16*	
23 33 13 19-0425	EA	30" x 22", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,649.21	68.53
		For 3 Hour Rated, Add	*577.35*	
23 33 13 19-0426	EA	30" x 24", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,681.92	70.19
		For 3 Hour Rated, Add	*588.54*	
23 33 13 19-0427	EA	30" x 26", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,718.64	72.99
		For 3 Hour Rated, Add	*599.76*	
23 33 13 19-0428	EA	30" x 28", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,755.21	75.93
		For 3 Hour Rated, Add	*610.97*	
23 33 13 19-0429	EA	30" x 30", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,800.69	78.87
		For 3 Hour Rated, Add	*625.59*	
23 33 13 19-0430	EA	30" x 32", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,969.44	80.65
		For 3 Hour Rated, Add	*690.89*	
23 33 13 19-0431	EA	30" x 44", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,719.84	98.90
		For 3 Hour Rated, Add	*969.26*	
23 33 13 19-0432	EA	32" x 12", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,557.72	47.86
		For 3 Hour Rated, Add	*565.66*	
23 33 13 19-0433	EA	32" x 14", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,599.46	50.92
		For 3 Hour Rated, Add	*578.53*	
23 33 13 19-0434	EA	32" x 16", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,647.00	57.43
		For 3 Hour Rated, Add	*589.89*	
23 33 13 19-0435	EA	32" x 18", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,706.63	63.81
		For 3 Hour Rated, Add	*606.08*	
23 33 13 19-0436	EA	32" x 20", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,766.18	70.05
		For 3 Hour Rated, Add	*622.25*	
23 33 13 19-0437	EA	32" x 22", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,801.28	71.72
		For 3 Hour Rated, Add	*634.35*	
23 33 13 19-0438	EA	32" x 24", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,836.25	73.38
		For 3 Hour Rated, Add	*646.44*	
23 33 13 19-0439	EA	32" x 26", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,879.28	75.93
		For 3 Hour Rated, Add	*660.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0440	EA	32" x 28", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,922.31	78.48
		For 3 Hour Rated, Add	*674.75*	
23 33 13 19-0441	EA	32" x 30", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,969.44	80.65
		For 3 Hour Rated, Add	*690.89*	
23 33 13 19-0442	EA	32" x 32", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,016.41	82.94
		For 3 Hour Rated, Add	*707.03*	
23 33 13 19-0443	EA	32" x 34", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,339.33	86.01
		For 3 Hour Rated, Add	*832.37*	
23 33 13 19-0444	EA	34" x 12", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,815.51	49.39
		For 3 Hour Rated, Add	*666.84*	
23 33 13 19-0445	EA	34" x 14", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,857.54	54.24
		For 3 Hour Rated, Add	*677.93*	
23 33 13 19-0446	EA	34" x 16", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,897.51	58.96
		For 3 Hour Rated, Add	*688.15*	
23 33 13 19-0447	EA	34" x 18", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	1,975.70	66.87
		For 3 Hour Rated, Add	*709.88*	
23 33 13 19-0448	EA	34" x 20", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,049.08	73.38
		For 3 Hour Rated, Add	*731.58*	
23 33 13 19-0449	EA	34" x 22", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,089.39	74.78
		For 3 Hour Rated, Add	*745.97*	
23 33 13 19-0450	EA	34" x 24", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,129.72	76.18
		For 3 Hour Rated, Add	*760.36*	
23 33 13 19-0451	EA	34" x 26", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,182.93	78.87
		For 3 Hour Rated, Add	*778.43*	
23 33 13 19-0452	EA	34" x 28", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,236.26	81.68
		For 3 Hour Rated, Add	*796.50*	
23 33 13 19-0453	EA	34" x 30", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,287.86	83.84
		For 3 Hour Rated, Add	*814.43*	
23 33 13 19-0454	EA	34" x 32", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,339.33	86.01
		For 3 Hour Rated, Add	*832.37*	
23 33 13 19-0455	EA	34" x 34", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,392.05	88.31
		For 3 Hour Rated, Add	*850.70*	
23 33 13 19-0456	EA	34" x 36", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,231.89	90.86
		For 3 Hour Rated, Add	*783.62*	
23 33 13 19-0457	EA	36" x 12", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,086.87	50.92
		For 3 Hour Rated, Add	*773.49*	
23 33 13 19-0458	EA	36" x 14", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,127.13	57.43
		For 3 Hour Rated, Add	*781.94*	
23 33 13 19-0459	EA	36" x 16", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,157.73	60.49
		For 3 Hour Rated, Add	*790.35*	
23 33 13 19-0460	EA	36" x 18", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,256.65	70.05
		For 3 Hour Rated, Add	*818.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0461	EA	36" x 20", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,345.84	76.57
		For 3 Hour Rated, Add	*846.45*	
23 33 13 19-0462	EA	36" x 22", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,391.76	77.84
		For 3 Hour Rated, Add	*863.29*	
23 33 13 19-0463	EA	36" x 24", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,437.69	79.12
		For 3 Hour Rated, Add	*880.13*	
23 33 13 19-0464	EA	36" x 26", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,502.50	81.93
		For 3 Hour Rated, Add	*902.58*	
23 33 13 19-0465	EA	36" x 28", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,567.19	84.87
		For 3 Hour Rated, Add	*925.04*	
23 33 13 19-0466	EA	36" x 30", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,623.00	87.03
		For 3 Hour Rated, Add	*944.66*	
23 33 13 19-0467	EA	36" x 32", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,678.68	89.20
		For 3 Hour Rated, Add	*964.28*	
23 33 13 19-0468	EA	36" x 34", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,739.67	90.86
		For 3 Hour Rated, Add	*986.74*	
23 33 13 19-0469	EA	36" x 36", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,800.53	92.52
		For 3 Hour Rated, Add	*1,009.19*	
23 33 13 19-0470	EA	38" x 16", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,168.95	62.15
		For 3 Hour Rated, Add	*792.90*	
23 33 13 19-0471	EA	38" x 18", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,255.07	71.72
		For 3 Hour Rated, Add	*815.86*	
23 33 13 19-0472	EA	38" x 20", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,331.49	78.09
		For 3 Hour Rated, Add	*838.77*	
23 33 13 19-0473	EA	38" x 22", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,375.01	80.02
		For 3 Hour Rated, Add	*853.89*	
23 33 13 19-0474	EA	38" x 24", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,418.55	81.93
		For 3 Hour Rated, Add	*869.00*	
23 33 13 19-0475	EA	38" x 26", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,484.88	84.48
		For 3 Hour Rated, Add	*892.48*	
23 33 13 19-0476	EA	38" x 28", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,551.23	87.03
		For 3 Hour Rated, Add	*915.95*	
23 33 13 19-0477	EA	38" x 30", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,599.60	89.46
		For 3 Hour Rated, Add	*932.44*	
23 33 13 19-0478	EA	38" x 32", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,647.98	91.75
		For 3 Hour Rated, Add	*948.94*	
23 33 13 19-0479	EA	38" x 34", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,711.06	93.29
		For 3 Hour Rated, Add	*972.43*	
23 33 13 19-0480	EA	38" x 36", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,774.10	94.69
		For 3 Hour Rated, Add	*995.91*	
23 33 13 19-0481	EA	38" x 38", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,838.59	96.10
		For 3 Hour Rated, Add	*1,019.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0482	EA	40" x 18", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,253.36	73.38
		For 3 Hour Rated, Add	*813.29*	
23 33 13 19-0483	EA	40" x 20", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,317.01	79.63
		For 3 Hour Rated, Add	*831.09*	
23 33 13 19-0484	EA	40" x 22", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,358.14	82.18
		For 3 Hour Rated, Add	*844.48*	
23 33 13 19-0485	EA	40" x 24", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,399.28	84.87
		For 3 Hour Rated, Add	*857.88*	
23 33 13 19-0486	EA	40" x 26", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,467.28	87.03
		For 3 Hour Rated, Add	*882.37*	
23 33 13 19-0487	EA	40" x 28", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,535.15	89.20
		For 3 Hour Rated, Add	*906.87*	
23 33 13 19-0488	EA	40" x 30", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,576.21	91.75
		For 3 Hour Rated, Add	*920.23*	
23 33 13 19-0489	EA	40" x 32", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,617.27	94.44
		For 3 Hour Rated, Add	*933.59*	
23 33 13 19-0490	EA	40" x 34", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,682.42	95.58
		For 3 Hour Rated, Add	*958.12*	
23 33 13 19-0491	EA	40" x 36", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,747.56	96.86
		For 3 Hour Rated, Add	*982.64*	
23 33 13 19-0492	EA	40" x 38", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,810.94	99.41
		For 3 Hour Rated, Add	*1,004.93*	
23 33 13 19-0493	EA	40" x 40", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,874.33	102.09
		For 3 Hour Rated, Add	*1,027.22*	
23 33 13 19-0494	EA	40" x 66", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	4,035.58	143.94
		For 3 Hour Rated, Add	*1,441.08*	
23 33 13 19-0495	EA	42" x 18", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,291.65	74.90
		For 3 Hour Rated, Add	*826.66*	
23 33 13 19-0496	EA	42" x 20", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,360.86	81.28
		For 3 Hour Rated, Add	*846.69*	
23 33 13 19-0497	EA	42" x 22", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,414.01	84.10
		For 3 Hour Rated, Add	*864.53*	
23 33 13 19-0498	EA	42" x 24", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,467.28	87.03
		For 3 Hour Rated, Add	*882.37*	
23 33 13 19-0499	EA	42" x 26", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,531.00	89.72
		For 3 Hour Rated, Add	*904.64*	
23 33 13 19-0500	EA	42" x 28", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,594.86	92.52
		For 3 Hour Rated, Add	*926.92*	
23 33 13 19-0501	EA	42" x 30", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,648.09	95.33
		For 3 Hour Rated, Add	*944.74*	
23 33 13 19-0502	EA	42" x 32", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,701.20	98.26
		For 3 Hour Rated, Add	*962.56*	

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23 33 13 19-0503	EA	42" x 34", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,761.25	99.54
		For 3 Hour Rated, Add	*984.85*	
23 33 13 19-0504	EA	42" x 36", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,821.31	100.95
		For 3 Hour Rated, Add	*1,007.14*	
23 33 13 19-0505	EA	42" x 38", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,880.39	103.11
		For 3 Hour Rated, Add	*1,028.32*	
23 33 13 19-0506	EA	42" x 40", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,939.59	105.15
		For 3 Hour Rated, Add	*1,049.50*	
23 33 13 19-0507	EA	42" x 42", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,999.99	107.33
		For 3 Hour Rated, Add	*1,071.11*	
23 33 13 19-0508	EA	44" x 18", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,329.81	76.57
		For 3 Hour Rated, Add	*840.04*	
23 33 13 19-0509	EA	44" x 20", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,404.56	82.94
		For 3 Hour Rated, Add	*862.29*	
23 33 13 19-0510	EA	44" x 22", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,469.86	86.01
		For 3 Hour Rated, Add	*884.58*	
23 33 13 19-0511	EA	44" x 24", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,535.15	89.20
		For 3 Hour Rated, Add	*906.87*	
23 33 13 19-0512	EA	44" x 26", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,594.86	92.52
		For 3 Hour Rated, Add	*926.92*	
23 33 13 19-0513	EA	44" x 28", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,654.58	95.71
		For 3 Hour Rated, Add	*946.98*	
23 33 13 19-0514	EA	44" x 30", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,719.84	98.90
		For 3 Hour Rated, Add	*969.26*	
23 33 13 19-0515	EA	44" x 32", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,785.09	102.09
		For 3 Hour Rated, Add	*991.53*	
23 33 13 19-0516	EA	44" x 34", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,840.08	103.62
		For 3 Hour Rated, Add	*1,011.58*	
23 33 13 19-0517	EA	44" x 36", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,894.93	105.15
		For 3 Hour Rated, Add	*1,031.64*	
23 33 13 19-0518	EA	44" x 38", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,949.96	106.68
		For 3 Hour Rated, Add	*1,051.71*	
23 33 13 19-0519	EA	44" x 40", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,004.84	108.34
		For 3 Hour Rated, Add	*1,071.77*	
23 33 13 19-0520	EA	44" x 42", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,059.87	110.00
		For 3 Hour Rated, Add	*1,091.84*	
23 33 13 19-0521	EA	44" x 44", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,114.76	111.66
		For 3 Hour Rated, Add	*1,111.91*	
23 33 13 19-0522	EA	46" x 18", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,361.67	79.76
		For 3 Hour Rated, Add	*848.96*	
23 33 13 19-0523	EA	46" x 20", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,442.01	86.01
		For 3 Hour Rated, Add	*873.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0524	EA	46" x 22", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,504.51	89.20
		For 3 Hour Rated, Add	*894.61*	
23 33 13 19-0525	EA	46" x 24", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,567.02	92.52
		For 3 Hour Rated, Add	*915.78*	
23 33 13 19-0526	EA	46" x 26", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,632.28	95.71
		For 3 Hour Rated, Add	*938.06*	
23 33 13 19-0527	EA	46" x 28", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,697.54	98.90
		For 3 Hour Rated, Add	*960.34*	
23 33 13 19-0528	EA	46" x 30", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,757.63	101.20
		For 3 Hour Rated, Add	*981.51*	
23 33 13 19-0529	EA	46" x 32", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,817.85	103.62
		For 3 Hour Rated, Add	*1,002.69*	
23 33 13 19-0530	EA	46" x 34", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,881.04	105.15
		For 3 Hour Rated, Add	*1,026.08*	
23 33 13 19-0531	EA	46" x 36", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,944.36	106.68
		For 3 Hour Rated, Add	*1,049.47*	
23 33 13 19-0532	EA	46" x 38", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,001.69	109.11
		For 3 Hour Rated, Add	*1,069.54*	
23 33 13 19-0533	EA	46" x 40", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,059.00	111.53
		For 3 Hour Rated, Add	*1,089.60*	
23 33 13 19-0534	EA	46" x 42", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,122.36	113.19
		For 3 Hour Rated, Add	*1,113.01*	
23 33 13 19-0535	EA	46" x 44", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,185.62	114.72
		For 3 Hour Rated, Add	*1,136.42*	
23 33 13 19-0536	EA	46" x 46", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,250.21	116.38
		For 3 Hour Rated, Add	*1,160.32*	
23 33 13 19-0537	EA	48" x 18", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,393.53	82.94
		For 3 Hour Rated, Add	*857.88*	
23 33 13 19-0538	EA	48" x 20", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,479.46	89.20
		For 3 Hour Rated, Add	*884.59*	
23 33 13 19-0539	EA	48" x 22", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,539.17	92.52
		For 3 Hour Rated, Add	*904.64*	
23 33 13 19-0540	EA	48" x 24", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,598.88	95.71
		For 3 Hour Rated, Add	*924.70*	
23 33 13 19-0541	EA	48" x 26", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,669.70	98.90
		For 3 Hour Rated, Add	*949.20*	
23 33 13 19-0542	EA	48" x 28", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,740.51	102.09
		For 3 Hour Rated, Add	*973.70*	
23 33 13 19-0543	EA	48" x 30", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,795.57	103.62
		For 3 Hour Rated, Add	*993.78*	
23 33 13 19-0544	EA	48" x 32", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,850.49	105.15
		For 3 Hour Rated, Add	*1,013.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0545	EA	48" x 34", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,922.14	106.68
		For 3 Hour Rated, Add	*1,040.58*	
23 33 13 19-0546	EA	48" x 36", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,993.67	108.34
		For 3 Hour Rated, Add	*1,067.30*	
23 33 13 19-0547	EA	48" x 38", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,053.41	111.53
		For 3 Hour Rated, Add	*1,087.37*	
23 33 13 19-0548	EA	48" x 40", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,113.16	114.72
		For 3 Hour Rated, Add	*1,107.44*	
23 33 13 19-0549	EA	48" x 42", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,184.87	116.25
		For 3 Hour Rated, Add	*1,134.18*	
23 33 13 19-0550	EA	48" x 44", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,256.47	117.91
		For 3 Hour Rated, Add	*1,160.94*	
23 33 13 19-0551	EA	48" x 46", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,315.43	122.76
		For 3 Hour Rated, Add	*1,178.75*	
23 33 13 19-0552	EA	48" x 48", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,374.27	127.48
		For 3 Hour Rated, Add	*1,196.57*	
23 33 13 19-0553	EA	48" x 54", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,597.22	138.71
		For 3 Hour Rated, Add	*1,272.33*	
23 33 13 19-0554	EA	50" x 20", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,516.89	92.52
		For 3 Hour Rated, Add	*895.73*	
23 33 13 19-0555	EA	50" x 22", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,576.59	95.71
		For 3 Hour Rated, Add	*915.78*	
23 33 13 19-0556	EA	50" x 24", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,636.30	98.90
		For 3 Hour Rated, Add	*935.84*	
23 33 13 19-0557	EA	50" x 26", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,709.92	102.09
		For 3 Hour Rated, Add	*961.46*	
23 33 13 19-0558	EA	50" x 28", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,783.56	105.15
		For 3 Hour Rated, Add	*987.09*	
23 33 13 19-0559	EA	50" x 30", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,841.34	106.81
		For 3 Hour Rated, Add	*1,008.26*	
23 33 13 19-0560	EA	50" x 32", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,898.98	108.34
		For 3 Hour Rated, Add	*1,029.43*	
23 33 13 19-0561	EA	50" x 34", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,973.48	109.87
		For 3 Hour Rated, Add	*1,057.29*	
23 33 13 19-0562	EA	50" x 36", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,047.86	111.53
		For 3 Hour Rated, Add	*1,085.15*	
23 33 13 19-0563	EA	50" x 38", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,115.91	114.72
		For 3 Hour Rated, Add	*1,108.54*	
23 33 13 19-0564	EA	50" x 40", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,183.97	117.91
		For 3 Hour Rated, Add	*1,131.94*	
23 33 13 19-0565	EA	50" x 42", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,249.63	120.34
		For 3 Hour Rated, Add	*1,155.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0566	EA	50" x 44", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,315.43	122.76
		For 3 Hour Rated, Add	*1,178.75*	
23 33 13 19-0567	EA	50" x 46", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,385.41	127.48
		For 3 Hour Rated, Add	*1,201.03*	
23 33 13 19-0568	EA	50" x 48", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,455.53	132.33
		For 3 Hour Rated, Add	*1,223.31*	
23 33 13 19-0569	EA	50" x 50", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,527.05	137.18
		For 3 Hour Rated, Add	*1,245.99*	
23 33 13 19-0570	EA	52" x 20", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,554.30	95.71
		For 3 Hour Rated, Add	*906.87*	
23 33 13 19-0571	EA	52" x 22", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,614.00	98.90
		For 3 Hour Rated, Add	*926.92*	
23 33 13 19-0572	EA	52" x 24", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,673.72	102.09
		For 3 Hour Rated, Add	*946.98*	
23 33 13 19-0573	EA	52" x 26", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,750.15	105.15
		For 3 Hour Rated, Add	*973.72*	
23 33 13 19-0574	EA	52" x 28", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,826.59	108.34
		For 3 Hour Rated, Add	*1,000.47*	
23 33 13 19-0575	EA	52" x 30", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,887.10	110.00
		For 3 Hour Rated, Add	*1,022.74*	
23 33 13 19-0576	EA	52" x 32", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,947.49	111.66
		For 3 Hour Rated, Add	*1,045.00*	
23 33 13 19-0577	EA	52" x 34", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,024.82	113.19
		For 3 Hour Rated, Add	*1,074.00*	
23 33 13 19-0578	EA	52" x 36", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,102.05	114.72
		For 3 Hour Rated, Add	*1,103.00*	
23 33 13 19-0579	EA	52" x 38", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,178.41	117.91
		For 3 Hour Rated, Add	*1,129.71*	
23 33 13 19-0580	EA	52" x 40", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,254.79	121.23
		For 3 Hour Rated, Add	*1,156.44*	
23 33 13 19-0581	EA	52" x 42", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,314.52	124.29
		For 3 Hour Rated, Add	*1,176.50*	
23 33 13 19-0582	EA	52" x 44", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,374.27	127.48
		For 3 Hour Rated, Add	*1,196.57*	
23 33 13 19-0583	EA	52" x 46", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,455.53	132.33
		For 3 Hour Rated, Add	*1,223.31*	
23 33 13 19-0584	EA	52" x 48", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,536.65	137.06
		For 3 Hour Rated, Add	*1,250.04*	
23 33 13 19-0585	EA	52" x 50", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,601.94	140.25
		For 3 Hour Rated, Add	*1,272.33*	
23 33 13 19-0586	EA	52" x 52", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,667.24	143.44
		For 3 Hour Rated, Add	*1,294.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0587	EA	52" x 56", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	4,309.27	146.63
		For 3 Hour Rated, Add	*1,547.60*	
23 33 13 19-0588	EA	54" x 24", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,716.68	105.15
		For 3 Hour Rated, Add	*960.34*	
23 33 13 19-0589	EA	54" x 26", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,790.71	107.58
		For 3 Hour Rated, Add	*987.09*	
23 33 13 19-0590	EA	54" x 28", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,864.87	110.00
		For 3 Hour Rated, Add	*1,013.84*	
23 33 13 19-0591	EA	54" x 30", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,928.06	111.53
		For 3 Hour Rated, Add	*1,037.23*	
23 33 13 19-0592	EA	54" x 32", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,991.35	113.19
		For 3 Hour Rated, Add	*1,060.61*	
23 33 13 19-0593	EA	54" x 34", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,073.75	115.49
		For 3 Hour Rated, Add	*1,090.71*	
23 33 13 19-0594	EA	54" x 36", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,156.16	117.91
		For 3 Hour Rated, Add	*1,120.81*	
23 33 13 19-0595	EA	54" x 38", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,232.55	121.10
		For 3 Hour Rated, Add	*1,147.54*	
23 33 13 19-0596	EA	54" x 40", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,308.94	124.29
		For 3 Hour Rated, Add	*1,174.27*	
23 33 13 19-0597	EA	54" x 42", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,379.81	127.48
		For 3 Hour Rated, Add	*1,198.79*	
23 33 13 19-0598	EA	54" x 44", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,450.68	130.67
		For 3 Hour Rated, Add	*1,223.31*	
23 33 13 19-0599	EA	54" x 46", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,523.95	134.64
		For 3 Hour Rated, Add	*1,247.82*	
23 33 13 19-0600	EA	54" x 48", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,597.22	138.71
		For 3 Hour Rated, Add	*1,272.33*	
23 33 13 19-0601	EA	56" x 18", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,849.33	95.71
		For 3 Hour Rated, Add	*1,024.88*	
23 33 13 19-0602	EA	56" x 20", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	2,938.60	102.09
		For 3 Hour Rated, Add	*1,052.93*	
23 33 13 19-0603	EA	56" x 22", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,024.64	105.15
		For 3 Hour Rated, Add	*1,083.52*	
23 33 13 19-0604	EA	56" x 24", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,110.68	108.34
		For 3 Hour Rated, Add	*1,114.11*	
23 33 13 19-0605	EA	56" x 26", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,192.09	110.00
		For 3 Hour Rated, Add	*1,144.73*	
23 33 13 19-0606	EA	56" x 28", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,273.36	111.66
		For 3 Hour Rated, Add	*1,175.35*	
23 33 13 19-0607	EA	56" x 30", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,348.28	113.19
		For 3 Hour Rated, Add	*1,203.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0608	EA	56" x 32", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,423.09	114.72
		For 3 Hour Rated, Add	*1,231.41*	
23 33 13 19-0609	EA	56" x 34", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,521.93	117.91
		For 3 Hour Rated, Add	*1,267.12*	
23 33 13 19-0610	EA	56" x 36", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,620.76	121.23
		For 3 Hour Rated, Add	*1,302.82*	
23 33 13 19-0611	EA	56" x 38", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,706.80	124.29
		For 3 Hour Rated, Add	*1,333.41*	
23 33 13 19-0612	EA	56" x 40", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,792.86	127.48
		For 3 Hour Rated, Add	*1,364.01*	
23 33 13 19-0613	EA	56" x 46", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	4,051.06	137.06
		For 3 Hour Rated, Add	*1,455.80*	
23 33 13 19-0614	EA	56" x 52", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	4,309.27	146.63
		For 3 Hour Rated, Add	*1,547.60*	
23 33 13 19-0615	EA	56" x 56", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	4,494.16	153.01
		For 3 Hour Rated, Add	*1,613.90*	
23 33 13 19-0616	EA	56" x 72", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	5,292.45	177.00
		For 3 Hour Rated, Add	*1,904.63*	
23 33 13 19-0617	EA	58" x 24", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,153.82	110.00
		For 3 Hour Rated, Add	*1,129.42*	
23 33 13 19-0618	EA	58" x 26", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,235.07	111.53
		For 3 Hour Rated, Add	*1,160.03*	
23 33 13 19-0619	EA	58" x 28", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,316.42	113.19
		For 3 Hour Rated, Add	*1,190.64*	
23 33 13 19-0620	EA	58" x 30", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,400.07	115.49
		For 3 Hour Rated, Add	*1,221.24*	
23 33 13 19-0621	EA	58" x 32", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,483.70	117.91
		For 3 Hour Rated, Add	*1,251.83*	
23 33 13 19-0622	EA	58" x 34", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,579.35	121.10
		For 3 Hour Rated, Add	*1,286.26*	
23 33 13 19-0623	EA	58" x 36", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,674.98	124.29
		For 3 Hour Rated, Add	*1,320.68*	
23 33 13 19-0624	EA	58" x 38", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,754.65	127.48
		For 3 Hour Rated, Add	*1,348.72*	
23 33 13 19-0625	EA	58" x 40", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,834.31	130.67
		For 3 Hour Rated, Add	*1,376.76*	
23 33 13 19-0626	EA	58" x 42", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,936.32	133.87
		For 3 Hour Rated, Add	*1,413.73*	
23 33 13 19-0627	EA	60" x 24", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,204.95	111.66
		For 3 Hour Rated, Add	*1,147.98*	
23 33 13 19-0628	EA	60" x 26", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,286.48	113.19
		For 3 Hour Rated, Add	*1,178.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0629	EA	60" x 28", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,367.89	114.72
		For 3 Hour Rated, Add	*1,209.33*	
23 33 13 19-0630	EA	60" x 30", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,460.61	117.91
		For 3 Hour Rated, Add	*1,242.59*	
23 33 13 19-0631	EA	60" x 32", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,553.32	121.23
		For 3 Hour Rated, Add	*1,275.85*	
23 33 13 19-0632	EA	60" x 34", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,645.99	124.29
		For 3 Hour Rated, Add	*1,309.09*	
23 33 13 19-0633	EA	60" x 36", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,738.67	127.48
		For 3 Hour Rated, Add	*1,342.33*	
23 33 13 19-0634	EA	60" x 38", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,812.15	130.67
		For 3 Hour Rated, Add	*1,367.90*	
23 33 13 19-0635	EA	60" x 40", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,885.62	133.87
		For 3 Hour Rated, Add	*1,393.45*	
23 33 13 19-0636	EA	60" x 42", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,997.45	137.06
		For 3 Hour Rated, Add	*1,434.36*	
23 33 13 19-0637	EA	60" x 44", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	4,109.28	140.37
		For 3 Hour Rated, Add	*1,475.26*	
23 33 13 19-0638	EA	60" x 46", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	4,208.38	143.44
		For 3 Hour Rated, Add	*1,511.08*	
23 33 13 19-0639	EA	60" x 48", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	4,307.46	146.63
		For 3 Hour Rated, Add	*1,546.88*	
23 33 13 19-0640	EA	64" x 58", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	5,055.78	168.45
		For 3 Hour Rated, Add	*1,820.12*	
23 33 13 19-0641	EA	66" x 24", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,434.88	118.43
		For 3 Hour Rated, Add	*1,231.84*	
23 33 13 19-0642	EA	66" x 26", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,515.84	118.94
		For 3 Hour Rated, Add	*1,263.36*	
23 33 13 19-0643	EA	66" x 28", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,596.66	119.57
		For 3 Hour Rated, Add	*1,294.87*	
23 33 13 19-0644	EA	66" x 30", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,715.05	124.67
		For 3 Hour Rated, Add	*1,336.26*	
23 33 13 19-0645	EA	66" x 32", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,833.58	129.79
		For 3 Hour Rated, Add	*1,377.69*	
23 33 13 19-0646	EA	66" x 34", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,927.56	133.87
		For 3 Hour Rated, Add	*1,410.38*	
23 33 13 19-0647	EA	66" x 36", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	4,021.59	137.83
		For 3 Hour Rated, Add	*1,443.10*	
23 33 13 19-0648	EA	66" x 38", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	4,082.61	140.88
		For 3 Hour Rated, Add	*1,463.68*	
23 33 13 19-0649	EA	66" x 40", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	4,143.65	143.94
		For 3 Hour Rated, Add	*1,484.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0650	EA	70" x 36", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	4,289.14	145.35
		For 3 Hour Rated, Add	*1,541.13*	
23 33 13 19-0651	EA	70" x 38", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	4,341.01	148.29
		For 3 Hour Rated, Add	*1,558.15*	
23 33 13 19-0652	EA	70" x 40", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	4,393.36	151.35
		For 3 Hour Rated, Add	*1,575.32*	
23 33 13 19-0653	EA	70" x 42", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	4,574.96	154.67
		For 3 Hour Rated, Add	*1,644.18*	
23 33 13 19-0654	EA	70" x 44", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	4,757.81	158.11
		For 3 Hour Rated, Add	*1,713.54*	
23 33 13 19-0655	EA	70" x 46", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	4,897.12	159.52
		For 3 Hour Rated, Add	*1,767.38*	
23 33 13 19-0656	EA	70" x 48", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	5,036.77	160.92
		For 3 Hour Rated, Add	*1,821.35*	
23 33 13 19-0657	EA	72" x 24", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,706.00	125.57
		For 3 Hour Rated, Add	*1,331.66*	
23 33 13 19-0658	EA	72" x 26", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,786.50	125.06
		For 3 Hour Rated, Add	*1,364.22*	
23 33 13 19-0659	EA	72" x 28", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	3,867.16	124.67
		For 3 Hour Rated, Add	*1,396.79*	
23 33 13 19-0660	EA	72" x 30", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	4,014.94	131.70
		For 3 Hour Rated, Add	*1,447.68*	
23 33 13 19-0661	EA	72" x 32", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	4,163.63	138.97
		For 3 Hour Rated, Add	*1,498.74*	
23 33 13 19-0662	EA	72" x 34", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	4,259.17	143.94
		For 3 Hour Rated, Add	*1,530.83*	
23 33 13 19-0663	EA	72" x 36", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	4,354.85	149.06
		For 3 Hour Rated, Add	*1,562.98*	
23 33 13 19-0664	EA	72" x 48", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	5,132.67	163.86
		For 3 Hour Rated, Add	*1,856.13*	
23 33 13 19-0665	EA	72" x 60", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	5,827.37	184.02
		For 3 Hour Rated, Add	*2,110.12*	
23 33 13 19-0666	EA	90" x 36", Louver Type, 1-1/2 Hour Rated, Galvanized Steel Construction, Combination Fire/Smoke Damper (Ruskin FSD60) Note: Includes acuator and PFMA mounting angles for 2 sides.	5,443.62	186.32
		For 3 Hour Rated, Add	*1,953.72*	

23 33 13 23 Backdraft Dampers *(23 33 13)*

23 33 13 23-0001 Horizontally Mounted Backdraft Damper *(23 33 13 23)*

Note: Galvanized steel frame, aluminum blades. Exclude motor pack.

23 33 13 23-0002	EA	6" x 6" Horizontally Mounted Backdraft Damper	107.34	14.17
23 33 13 23-0003	EA	8" x 6" Horizontally Mounted Backdraft Damper	130.85	14.80
23 33 13 23-0004	EA	8" x 8" Horizontally Mounted Backdraft Damper	159.93	14.93
23 33 13 23-0005	EA	10" x 6" Horizontally Mounted Backdraft Damper	152.74	14.93
23 33 13 23-0006	EA	10" x 8" Horizontally Mounted Backdraft Damper	145.43	15.32
23 33 13 23-0007	EA	10" x 10" Horizontally Mounted Backdraft Damper	175.40	16.98
23 33 13 23-0008	EA	12" x 6" Horizontally Mounted Backdraft Damper	135.49	15.32
23 33 13 23-0009	EA	12" x 8" Horizontally Mounted Backdraft Damper	170.43	16.98
23 33 13 23-0010	EA	12" x 10" Horizontally Mounted Backdraft Damper	162.26	17.86
23 33 13 23-0011	EA	12" x 12" Horizontally Mounted Backdraft Damper	187.85	19.14
23 33 13 23-0012	EA	14" x 6" Horizontally Mounted Backdraft Damper	152.95	16.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0013	EA	14" x 8" Horizontally Mounted Backdraft Damper	155.01	17.86
23 33 13 23-0014	EA	14" x 10" Horizontally Mounted Backdraft Damper	184.24	19.14
23 33 13 23-0015	EA	14" x 12" Horizontally Mounted Backdraft Damper	161.35	21.31
23 33 13 23-0016	EA	14" x 14" Horizontally Mounted Backdraft Damper	183.99	23.35
23 33 13 23-0017	EA	16" x 6" Horizontally Mounted Backdraft Damper	170.43	16.98
23 33 13 23-0018	EA	16" x 8" Horizontally Mounted Backdraft Damper	173.35	19.14
23 33 13 23-0019	EA	16" x 10" Horizontally Mounted Backdraft Damper	156.71	21.31
23 33 13 23-0020	EA	16" x 12" Horizontally Mounted Backdraft Damper	175.27	21.31
23 33 13 23-0021	EA	16" x 14" Horizontally Mounted Backdraft Damper	200.25	23.35
23 33 13 23-0022	EA	16" x 16" Horizontally Mounted Backdraft Damper	225.19	25.52
23 33 13 23-0023	EA	18" x 6" Horizontally Mounted Backdraft Damper	151.41	17.86
23 33 13 23-0024	EA	18" x 8" Horizontally Mounted Backdraft Damper	141.02	19.14
23 33 13 23-0025	EA	18" x 10" Horizontally Mounted Backdraft Damper	168.30	21.31
23 33 13 23-0026	EA	18" x 12" Horizontally Mounted Backdraft Damper	195.58	23.35
23 33 13 23-0027	EA	18" x 14" Horizontally Mounted Backdraft Damper	222.85	25.52
23 33 13 23-0028	EA	18" x 16" Horizontally Mounted Backdraft Damper	255.49	27.56
23 33 13 23-0029	EA	18" x 18" Horizontally Mounted Backdraft Damper	289.82	31.91
23 33 13 23-0030	EA	18" x 20" Horizontally Mounted Backdraft Damper	232.90	33.94
23 33 13 23-0031	EA	18" x 24" Horizontally Mounted Backdraft Damper	271.81	38.29
23 33 13 23-0032	EA	20" x 6" Horizontally Mounted Backdraft Damper	166.10	19.14
23 33 13 23-0033	EA	20" x 8" Horizontally Mounted Backdraft Damper	156.71	21.31
23 33 13 23-0034	EA	20" x 10" Horizontally Mounted Backdraft Damper	186.29	23.35
23 33 13 23-0035	EA	20" x 12" Horizontally Mounted Backdraft Damper	215.91	25.52
23 33 13 23-0036	EA	20" x 14" Horizontally Mounted Backdraft Damper	250.70	27.56
23 33 13 23-0037	EA	20" x 16" Horizontally Mounted Backdraft Damper	281.04	29.73
23 33 13 23-0038	EA	20" x 18" Horizontally Mounted Backdraft Damper	232.90	33.94
23 33 13 23-0039	EA	20" x 20" Horizontally Mounted Backdraft Damper	247.43	33.94
23 33 13 23-0040	EA	20" x 24" Horizontally Mounted Backdraft Damper	289.25	38.29
23 33 13 23-0041	EA	20" x 28" Horizontally Mounted Backdraft Damper	331.07	42.49
23 33 13 23-0042	EA	20" x 32" Horizontally Mounted Backdraft Damper	306.46	46.71
23 33 13 23-0043	EA	20" x 36" Horizontally Mounted Backdraft Damper	339.97	51.05
23 33 13 23-0044	EA	24" x 6" Horizontally Mounted Backdraft Damper	147.40	21.31
23 33 13 23-0045	EA	24" x 8" Horizontally Mounted Backdraft Damper	181.65	23.35
23 33 13 23-0046	EA	24" x 10" Horizontally Mounted Backdraft Damper	215.91	25.52
23 33 13 23-0047	EA	24" x 12" Horizontally Mounted Backdraft Damper	255.49	27.56
23 33 13 23-0048	EA	24" x 14" Horizontally Mounted Backdraft Damper	217.79	31.91
23 33 13 23-0049	EA	24" x 16" Horizontally Mounted Backdraft Damper	241.61	33.94
23 33 13 23-0050	EA	24" x 18" Horizontally Mounted Backdraft Damper	271.81	38.29
23 33 13 23-0051	EA	24" x 20" Horizontally Mounted Backdraft Damper	289.25	38.29
23 33 13 23-0052	EA	24" x 24" Horizontally Mounted Backdraft Damper	336.89	42.49
23 33 13 23-0053	EA	24" x 28" Horizontally Mounted Backdraft Damper	314.74	46.71
23 33 13 23-0054	EA	24" x 32" Horizontally Mounted Backdraft Damper	352.44	51.05
23 33 13 23-0055	EA	24" x 36" Horizontally Mounted Backdraft Damper	390.10	55.25
23 33 13 23-0056	EA	24" x 40" Horizontally Mounted Backdraft Damper	377.96	59.47
23 33 13 23-0057	EA	24" x 44" Horizontally Mounted Backdraft Damper	410.65	63.81
23 33 13 23-0058	EA	24" x 48" Horizontally Mounted Backdraft Damper	430.57	63.81
23 33 13 23-0059	EA	28" x 6" Horizontally Mounted Backdraft Damper	161.35	21.31
23 33 13 23-0060	EA	28" x 8" Horizontally Mounted Backdraft Damper	200.25	23.35
23 33 13 23-0061	EA	28" x 10" Horizontally Mounted Backdraft Damper	250.70	27.56
23 33 13 23-0062	EA	28" x 12" Horizontally Mounted Backdraft Damper	217.79	31.91
23 33 13 23-0063	EA	28" x 14" Horizontally Mounted Backdraft Damper	244.52	33.94
23 33 13 23-0064	EA	28" x 16" Horizontally Mounted Backdraft Damper	277.63	38.29
23 33 13 23-0065	EA	28" x 18" Horizontally Mounted Backdraft Damper	310.74	42.49
23 33 13 23-0066	EA	28" x 20" Horizontally Mounted Backdraft Damper	331.07	42.49
23 33 13 23-0067	EA	28" x 24" Horizontally Mounted Backdraft Damper	314.74	46.71
23 33 13 23-0068	EA	28" x 28" Horizontally Mounted Backdraft Damper	356.60	51.05
23 33 13 23-0069	EA	28" x 32" Horizontally Mounted Backdraft Damper	398.41	55.25
23 33 13 23-0070	EA	28" x 36" Horizontally Mounted Backdraft Damper	400.67	63.81
23 33 13 23-0071	EA	28" x 40" Horizontally Mounted Backdraft Damper	423.93	63.81
23 33 13 23-0072	EA	28" x 44" Horizontally Mounted Backdraft Damper	459.93	68.02
23 33 13 23-0073	EA	28" x 48" Horizontally Mounted Backdraft Damper	495.96	72.23
23 33 13 23-0074	EA	28" x 52" Horizontally Mounted Backdraft Damper	519.22	72.23
23 33 13 23-0075	EA	28" x 56" Horizontally Mounted Backdraft Damper	514.54	76.44
23 33 13 23-0076	EA	28" x 60" Horizontally Mounted Backdraft Damper	534.86	76.44
23 33 13 23-0077	EA	32" x 6" Horizontally Mounted Backdraft Damper	181.65	23.35
23 33 13 23-0078	EA	32" x 8" Horizontally Mounted Backdraft Damper	236.32	27.56
23 33 13 23-0079	EA	32" x 10" Horizontally Mounted Backdraft Damper	281.04	29.73
23 33 13 23-0080	EA	32" x 12" Horizontally Mounted Backdraft Damper	241.61	33.94
23 33 13 23-0081	EA	32" x 14" Horizontally Mounted Backdraft Damper	277.63	38.29
23 33 13 23-0082	EA	32" x 16" Horizontally Mounted Backdraft Damper	313.63	42.49
23 33 13 23-0083	EA	32" x 18" Horizontally Mounted Backdraft Damper	277.08	42.49
23 33 13 23-0084	EA	32" x 20" Horizontally Mounted Backdraft Damper	306.46	46.71
23 33 13 23-0085	EA	32" x 24" Horizontally Mounted Backdraft Damper	352.44	51.05
23 33 13 23-0086	EA	32" x 28" Horizontally Mounted Backdraft Damper	398.41	55.25
23 33 13 23-0087	EA	32" x 32" Horizontally Mounted Backdraft Damper	404.01	63.81
23 33 13 23-0088	EA	32" x 36" Horizontally Mounted Backdraft Damper	430.57	63.81
23 33 13 23-0089	EA	32" x 40" Horizontally Mounted Backdraft Damper	469.90	68.02
23 33 13 23-0090	EA	32" x 44" Horizontally Mounted Backdraft Damper	509.24	72.23
23 33 13 23-0091	EA	32" x 48" Horizontally Mounted Backdraft Damper	508.72	76.44
23 33 13 23-0092	EA	32" x 52" Horizontally Mounted Backdraft Damper	531.98	76.44
23 33 13 23-0093	EA	32" x 56" Horizontally Mounted Backdraft Damper	567.97	80.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0094	EA	32" x 60" Horizontally Mounted Backdraft Damper	591.24	80.78
23 33 13 23-0095	EA	32" x 64" Horizontally Mounted Backdraft Damper	574.08	84.99
23 33 13 23-0096	EA	32" x 68" Horizontally Mounted Backdraft Damper	594.01	84.99
23 33 13 23-0097	EA	32" x 72" Horizontally Mounted Backdraft Damper	626.70	89.20
23 33 13 23-0098	EA	36" x 6" Horizontally Mounted Backdraft Damper	195.58	23.35
23 33 13 23-0099	EA	36" x 8" Horizontally Mounted Backdraft Damper	261.87	29.73
23 33 13 23-0100	EA	36" x 10" Horizontally Mounted Backdraft Damper	232.90	33.94
23 33 13 23-0101	EA	36" x 12" Horizontally Mounted Backdraft Damper	271.81	38.29
23 33 13 23-0102	EA	36" x 14" Horizontally Mounted Backdraft Damper	310.74	42.49
23 33 13 23-0103	EA	36" x 16" Horizontally Mounted Backdraft Damper	277.08	42.49
23 33 13 23-0104	EA	36" x 18" Horizontally Mounted Backdraft Damper	308.52	46.71
23 33 13 23-0105	EA	36" x 20" Horizontally Mounted Backdraft Damper	339.97	51.05
23 33 13 23-0106	EA	36" x 24" Horizontally Mounted Backdraft Damper	390.10	55.25
23 33 13 23-0107	EA	36" x 28" Horizontally Mounted Backdraft Damper	400.67	63.81
23 33 13 23-0108	EA	36" x 32" Horizontally Mounted Backdraft Damper	430.57	63.81
23 33 13 23-0109	EA	36" x 36" Horizontally Mounted Backdraft Damper	473.21	68.02
23 33 13 23-0110	EA	36" x 40" Horizontally Mounted Backdraft Damper	515.89	72.23
23 33 13 23-0111	EA	36" x 44" Horizontally Mounted Backdraft Damper	517.42	76.44
23 33 13 23-0112	EA	36" x 48" Horizontally Mounted Backdraft Damper	556.36	80.78
23 33 13 23-0113	EA	36" x 52" Horizontally Mounted Backdraft Damper	582.50	80.78
23 33 13 23-0114	EA	36" x 56" Horizontally Mounted Backdraft Damper	569.11	84.99
23 33 13 23-0115	EA	36" x 60" Horizontally Mounted Backdraft Damper	591.52	84.99
23 33 13 23-0116	EA	36" x 64" Horizontally Mounted Backdraft Damper	626.70	89.20
23 33 13 23-0117	EA	36" x 68" Horizontally Mounted Backdraft Damper	649.11	89.20
23 33 13 23-0118	EA	36" x 72" Horizontally Mounted Backdraft Damper	671.56	89.20
23 33 13 23-0119	EA	40" x 6" Horizontally Mounted Backdraft Damper	215.91	25.52
23 33 13 23-0120	EA	40" x 8" Horizontally Mounted Backdraft Damper	287.43	31.91
23 33 13 23-0121	EA	40" x 10" Horizontally Mounted Backdraft Damper	247.43	33.94
23 33 13 23-0122	EA	40" x 12" Horizontally Mounted Backdraft Damper	289.25	38.29
23 33 13 23-0123	EA	40" x 14" Horizontally Mounted Backdraft Damper	331.07	42.49
23 33 13 23-0124	EA	40" x 16" Horizontally Mounted Backdraft Damper	306.46	46.71
23 33 13 23-0125	EA	40" x 18" Horizontally Mounted Backdraft Damper	339.97	51.05
23 33 13 23-0126	EA	40" x 20" Horizontally Mounted Backdraft Damper	373.48	55.25
23 33 13 23-0127	EA	40" x 24" Horizontally Mounted Backdraft Damper	377.96	59.47
23 33 13 23-0128	EA	40" x 28" Horizontally Mounted Backdraft Damper	423.93	63.81
23 33 13 23-0129	EA	40" x 32" Horizontally Mounted Backdraft Damper	469.90	68.02
23 33 13 23-0130	EA	40" x 36" Horizontally Mounted Backdraft Damper	515.89	72.23
23 33 13 23-0131	EA	40" x 40" Horizontally Mounted Backdraft Damper	520.33	76.44
23 33 13 23-0132	EA	40" x 44" Horizontally Mounted Backdraft Damper	562.15	80.78
23 33 13 23-0133	EA	40" x 48" Horizontally Mounted Backdraft Damper	591.24	80.78
23 33 13 23-0134	EA	40" x 50" Horizontally Mounted Backdraft Damper	566.62	84.99
23 33 13 23-0135	EA	44" x 6" Horizontally Mounted Backdraft Damper	241.11	27.56
23 33 13 23-0136	EA	44" x 8" Horizontally Mounted Backdraft Damper	229.99	33.94
23 33 13 23-0137	EA	44" x 10" Horizontally Mounted Backdraft Damper	274.72	38.29
23 33 13 23-0138	EA	44" x 12" Horizontally Mounted Backdraft Damper	319.45	42.49
23 33 13 23-0139	EA	44" x 14" Horizontally Mounted Backdraft Damper	300.21	46.71
23 33 13 23-0140	EA	44" x 16" Horizontally Mounted Backdraft Damper	335.82	51.05
23 33 13 23-0141	EA	44" x 18" Horizontally Mounted Backdraft Damper	358.66	51.05
23 33 13 23-0142	EA	44" x 20" Horizontally Mounted Backdraft Damper	394.26	55.25
23 33 13 23-0143	EA	44" x 24" Horizontally Mounted Backdraft Damper	410.65	63.81
23 33 13 23-0144	EA	44" x 28" Horizontally Mounted Backdraft Damper	459.93	68.02
23 33 13 23-0145	EA	44" x 32" Horizontally Mounted Backdraft Damper	509.24	72.23
23 33 13 23-0146	EA	44" x 36" Horizontally Mounted Backdraft Damper	517.42	76.44
23 33 13 23-0147	EA	44" x 40" Horizontally Mounted Backdraft Damper	562.15	80.78
23 33 13 23-0148	EA	44" x 44" Horizontally Mounted Backdraft Damper	594.12	80.78
23 33 13 23-0149	EA	44" x 48" Horizontally Mounted Backdraft Damper	584.06	84.99
23 33 13 23-0150	EA	44" x 50" Horizontally Mounted Backdraft Damper	597.74	84.99
23 33 13 23-0151	EA	48" x 6" Horizontally Mounted Backdraft Damper	261.87	29.73
23 33 13 23-0152	EA	48" x 8" Horizontally Mounted Backdraft Damper	241.61	33.94
23 33 13 23-0153	EA	48" x 10" Horizontally Mounted Backdraft Damper	289.25	38.29
23 33 13 23-0154	EA	48" x 12" Horizontally Mounted Backdraft Damper	277.08	42.49
23 33 13 23-0155	EA	48" x 14" Horizontally Mounted Backdraft Damper	314.74	46.71
23 33 13 23-0156	EA	48" x 16" Horizontally Mounted Backdraft Damper	352.44	51.05
23 33 13 23-0157	EA	48" x 18" Horizontally Mounted Backdraft Damper	390.10	55.25
23 33 13 23-0158	EA	48" x 20" Horizontally Mounted Backdraft Damper	377.96	59.47
23 33 13 23-0159	EA	48" x 24" Horizontally Mounted Backdraft Damper	430.57	63.81
23 33 13 23-0160	EA	48" x 28" Horizontally Mounted Backdraft Damper	495.96	72.23
23 33 13 23-0161	EA	48" x 32" Horizontally Mounted Backdraft Damper	508.72	76.44
23 33 13 23-0162	EA	48" x 36" Horizontally Mounted Backdraft Damper	556.36	80.78
23 33 13 23-0163	EA	48" x 40" Horizontally Mounted Backdraft Damper	591.24	80.78
23 33 13 23-0164	EA	48" x 44" Horizontally Mounted Backdraft Damper	584.06	84.99
23 33 13 23-0165	EA	48" x 48" Horizontally Mounted Backdraft Damper	626.70	89.20
23 33 13 23-0166	EA	48" x 50" Horizontally Mounted Backdraft Damper	641.65	89.20
23 33 13 23-0167	EA	50" x 6" Horizontally Mounted Backdraft Damper	269.06	29.73
23 33 13 23-0168	EA	50" x 8" Horizontally Mounted Backdraft Damper	260.19	38.29
23 33 13 23-0169	EA	50" x 10" Horizontally Mounted Backdraft Damper	309.29	42.49
23 33 13 23-0170	EA	50" x 12" Horizontally Mounted Backdraft Damper	296.06	46.71
23 33 13 23-0171	EA	50" x 14" Horizontally Mounted Backdraft Damper	334.79	51.05
23 33 13 23-0172	EA	50" x 16" Horizontally Mounted Backdraft Damper	373.48	55.25
23 33 13 23-0173	EA	50" x 18" Horizontally Mounted Backdraft Damper	412.20	59.47
23 33 13 23-0174	EA	50" x 20" Horizontally Mounted Backdraft Damper	399.00	63.81

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0175	EA	50" x 24" Horizontally Mounted Backdraft Damper	453.28	68.02
23 33 13 23-0176	EA	50" x 28" Horizontally Mounted Backdraft Damper	507.57	72.23
23 33 13 23-0177	EA	50" x 32" Horizontally Mounted Backdraft Damper	520.33	76.44
23 33 13 23-0178	EA	50" x 36" Horizontally Mounted Backdraft Damper	569.43	80.78
23 33 13 23-0179	EA	50" x 40" Horizontally Mounted Backdraft Damper	566.62	84.99
23 33 13 23-0180	EA	50" x 44" Horizontally Mounted Backdraft Damper	597.74	84.99
23 33 13 23-0181	EA	50" x 48" Horizontally Mounted Backdraft Damper	641.65	89.20
23 33 13 23-0182	EA	50" x 50" Horizontally Mounted Backdraft Damper	657.21	89.20
23 33 13 23-0183		**Vertically Mounted Backdraft Damper** *(23 33 13 23)*		
		Note: Galvanized steel frame, aluminum blades. Excludes motor pack.		
23 33 13 23-0184	EA	6" x 6" Vertically Mounted Backdraft Damper	117.16	14.17
23 33 13 23-0185	EA	8" x 6" Vertically Mounted Backdraft Damper	143.98	14.80
23 33 13 23-0186	EA	10" x 6" Vertically Mounted Backdraft Damper	148.40	14.93
23 33 13 23-0187	EA	8" x 8" Vertically Mounted Backdraft Damper	155.31	14.93
23 33 13 23-0188	EA	12" x 6" Vertically Mounted Backdraft Damper	170.43	15.32
23 33 13 23-0189	EA	10" x 8" Vertically Mounted Backdraft Damper	189.36	16.98
23 33 13 23-0190	EA	14" x 6" Vertically Mounted Backdraft Damper	191.17	15.32
23 33 13 23-0191	EA	12" x 8" Vertically Mounted Backdraft Damper	217.02	16.98
23 33 13 23-0192	EA	16" x 6" Vertically Mounted Backdraft Damper	219.56	17.86
23 33 13 23-0193	EA	10" x 10" Vertically Mounted Backdraft Damper	230.31	19.14
23 33 13 23-0194	EA	18" x 6" Vertically Mounted Backdraft Damper	184.98	16.21
23 33 13 23-0195	EA	14" x 8" Vertically Mounted Backdraft Damper	195.14	17.86
23 33 13 23-0196	EA	12" x 10" Vertically Mounted Backdraft Damper	209.08	19.14
23 33 13 23-0197	EA	20" x 6" Vertically Mounted Backdraft Damper	215.46	21.31
23 33 13 23-0198	EA	16" x 8" Vertically Mounted Backdraft Damper	231.94	23.35
23 33 13 23-0199	EA	14" x 10" Vertically Mounted Backdraft Damper	227.97	16.98
23 33 13 23-0200	EA	12" x 12" Vertically Mounted Backdraft Damper	239.41	19.14
23 33 13 23-0201	EA	18" x 8" Vertically Mounted Backdraft Damper	208.67	21.31
23 33 13 23-0202	EA	24" x 6" Vertically Mounted Backdraft Damper	208.67	21.31
23 33 13 23-0203	EA	16" x 10" Vertically Mounted Backdraft Damper	231.12	23.35
23 33 13 23-0204	EA	20" x 8" Vertically Mounted Backdraft Damper	237.50	25.52
23 33 13 23-0205	EA	14" x 12" Vertically Mounted Backdraft Damper	222.56	17.86
23 33 13 23-0206	EA	28" x 6" Vertically Mounted Backdraft Damper	226.40	19.14
23 33 13 23-0207	EA	18" x 10" Vertically Mounted Backdraft Damper	244.85	21.31
23 33 13 23-0208	EA	16" x 12" Vertically Mounted Backdraft Damper	263.30	23.35
23 33 13 23-0209	EA	24" x 8" Vertically Mounted Backdraft Damper	269.68	25.52
23 33 13 23-0210	EA	32" x 6" Vertically Mounted Backdraft Damper	276.05	27.56
23 33 13 23-0211	EA	14" x 14" Vertically Mounted Backdraft Damper	292.86	31.91
23 33 13 23-0212	EA	20" x 10" Vertically Mounted Backdraft Damper	289.29	33.94
23 33 13 23-0213	EA	18" x 12" Vertically Mounted Backdraft Damper	317.03	38.29
23 33 13 23-0214	EA	36" x 6" Vertically Mounted Backdraft Damper	259.61	19.14
23 33 13 23-0215	EA	16" x 14" Vertically Mounted Backdraft Damper	273.48	21.31
23 33 13 23-0216	EA	28" x 8" Vertically Mounted Backdraft Damper	279.86	23.35
23 33 13 23-0217	EA	20" x 12" Vertically Mounted Backdraft Damper	301.20	25.52
23 33 13 23-0218	EA	24" x 10" Vertically Mounted Backdraft Damper	307.57	27.56
23 33 13 23-0219	EA	40" x 6" Vertically Mounted Backdraft Damper	313.95	29.73
23 33 13 23-0220	EA	18" x 14" Vertically Mounted Backdraft Damper	337.97	33.94
23 33 13 23-0221	EA	16" x 16" Vertically Mounted Backdraft Damper	341.70	33.94
23 33 13 23-0222	EA	32" x 8" Vertically Mounted Backdraft Damper	354.46	38.29
23 33 13 23-0223	EA	44" x 6" Vertically Mounted Backdraft Damper	374.71	42.49
23 33 13 23-0224	EA	20" x 14" Vertically Mounted Backdraft Damper	402.45	46.71
23 33 13 23-0225	EA	28" x 10" Vertically Mounted Backdraft Damper	415.22	51.05
23 33 13 23-0226	EA	18" x 16" Vertically Mounted Backdraft Damper	333.39	21.31
23 33 13 23-0227	EA	24" x 12" Vertically Mounted Backdraft Damper	339.77	23.35
23 33 13 23-0228	EA	36" x 8" Vertically Mounted Backdraft Damper	346.15	25.52
23 33 13 23-0229	EA	48" x 6" Vertically Mounted Backdraft Damper	352.52	27.56
23 33 13 23-0230	EA	50" x 6" Vertically Mounted Backdraft Damper	376.51	31.91
23 33 13 23-0231	EA	20" x 16" Vertically Mounted Backdraft Damper	401.60	33.94
23 33 13 23-0232	EA	32" x 10" Vertically Mounted Backdraft Damper	414.36	38.29
23 33 13 23-0233	EA	40" x 8" Vertically Mounted Backdraft Damper	414.36	38.29
23 33 13 23-0234	EA	18" x 18" Vertically Mounted Backdraft Damper	367.22	42.49
23 33 13 23-0235	EA	24" x 14" Vertically Mounted Backdraft Damper	346.71	46.71
23 33 13 23-0236	EA	28" x 12" Vertically Mounted Backdraft Damper	359.48	51.05
23 33 13 23-0237	EA	44" x 8" Vertically Mounted Backdraft Damper	382.06	55.25
23 33 13 23-0238	EA	18" x 20" Vertically Mounted Backdraft Damper	399.74	59.47
23 33 13 23-0239	EA	20" x 18" Vertically Mounted Backdraft Damper	412.50	63.81
23 33 13 23-0240	EA	36" x 10" Vertically Mounted Backdraft Damper	412.50	63.81
23 33 13 23-0241	EA	24" x 16" Vertically Mounted Backdraft Damper	299.63	21.31
23 33 13 23-0242	EA	32" x 12" Vertically Mounted Backdraft Damper	306.01	23.35
23 33 13 23-0243	EA	48" x 8" Vertically Mounted Backdraft Damper	318.76	27.56
23 33 13 23-0244	EA	28" x 14" Vertically Mounted Backdraft Damper	336.44	31.91
23 33 13 23-0245	EA	20" x 20" Vertically Mounted Backdraft Damper	347.74	33.94
23 33 13 23-0246	EA	40" x 10" Vertically Mounted Backdraft Damper	360.50	38.29
23 33 13 23-0247	EA	50" x 8" Vertically Mounted Backdraft Damper	373.26	42.49
23 33 13 23-0248	EA	18" x 24" Vertically Mounted Backdraft Damper	392.91	42.49
23 33 13 23-0249	EA	24" x 18" Vertically Mounted Backdraft Damper	405.67	46.71
23 33 13 23-0250	EA	36" x 12" Vertically Mounted Backdraft Damper	418.44	51.05
23 33 13 23-0251	EA	44" x 10" Vertically Mounted Backdraft Damper	436.11	55.25
23 33 13 23-0252	EA	28" x 16" Vertically Mounted Backdraft Damper	466.55	63.81

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0253	EA	32" x 14" Vertically Mounted Backdraft Damper	466.55	63.81
23 33 13 23-0254	EA	20" x 24" Vertically Mounted Backdraft Damper	501.42	68.02
23 33 13 23-0255	EA	24" x 20" Vertically Mounted Backdraft Damper	468.93	72.23
23 33 13 23-0256	EA	40" x 12" Vertically Mounted Backdraft Damper	468.93	72.23
23 33 13 23-0257	EA	48" x 10" Vertically Mounted Backdraft Damper	481.69	76.44
23 33 13 23-0258	EA	50" x 10" Vertically Mounted Backdraft Damper	492.19	76.44
23 33 13 23-0259	EA	28" x 18" Vertically Mounted Backdraft Damper	334.76	23.35
23 33 13 23-0260	EA	36" x 14" Vertically Mounted Backdraft Damper	347.51	27.56
23 33 13 23-0261	EA	32" x 16" Vertically Mounted Backdraft Damper	358.11	29.73
23 33 13 23-0262	EA	44" x 12" Vertically Mounted Backdraft Damper	379.25	33.94
23 33 13 23-0263	EA	20" x 28" Vertically Mounted Backdraft Damper	408.81	38.29
23 33 13 23-0264	EA	28" x 20" Vertically Mounted Backdraft Damper	421.57	42.49
23 33 13 23-0265	EA	40" x 14" Vertically Mounted Backdraft Damper	421.57	42.49
23 33 13 23-0266	EA	24" x 24" Vertically Mounted Backdraft Damper	442.73	46.71
23 33 13 23-0267	EA	32" x 18" Vertically Mounted Backdraft Damper	455.50	51.05
23 33 13 23-0268	EA	36" x 16" Vertically Mounted Backdraft Damper	468.26	55.25
23 33 13 23-0269	EA	48" x 12" Vertically Mounted Backdraft Damper	493.78	63.81
23 33 13 23-0270	EA	50" x 12" Vertically Mounted Backdraft Damper	506.40	63.81
23 33 13 23-0271	EA	44" x 14" Vertically Mounted Backdraft Damper	527.56	68.02
23 33 13 23-0272	EA	20" x 32" Vertically Mounted Backdraft Damper	552.92	72.23
23 33 13 23-0273	EA	32" x 20" Vertically Mounted Backdraft Damper	565.68	76.44
23 33 13 23-0274	EA	40" x 16" Vertically Mounted Backdraft Damper	565.68	76.44
23 33 13 23-0275	EA	36" x 18" Vertically Mounted Backdraft Damper	582.62	80.78
23 33 13 23-0276	EA	24" x 28" Vertically Mounted Backdraft Damper	597.33	80.78
23 33 13 23-0277	EA	28" x 24" Vertically Mounted Backdraft Damper	579.66	84.99
23 33 13 23-0278	EA	48" x 14" Vertically Mounted Backdraft Damper	579.66	84.99
23 33 13 23-0279	EA	50" x 14" Vertically Mounted Backdraft Damper	605.95	89.20
23 33 13 23-0280	EA	44" x 16" Vertically Mounted Backdraft Damper	410.07	23.35
23 33 13 23-0281	EA	20" x 36" Vertically Mounted Backdraft Damper	436.94	29.73
23 33 13 23-0282	EA	36" x 20" Vertically Mounted Backdraft Damper	449.71	33.94
23 33 13 23-0283	EA	40" x 18" Vertically Mounted Backdraft Damper	462.47	38.29
23 33 13 23-0284	EA	24" x 32" Vertically Mounted Backdraft Damper	498.40	42.49
23 33 13 23-0285	EA	32" x 24" Vertically Mounted Backdraft Damper	498.40	42.49
23 33 13 23-0286	EA	48" x 16" Vertically Mounted Backdraft Damper	511.16	46.71
23 33 13 23-0287	EA	28" x 28" Vertically Mounted Backdraft Damper	531.66	51.05
23 33 13 23-0288	EA	44" x 18" Vertically Mounted Backdraft Damper	548.27	55.25
23 33 13 23-0289	EA	40" x 20" Vertically Mounted Backdraft Damper	577.65	63.81
23 33 13 23-0290	EA	50" x 16" Vertically Mounted Backdraft Damper	577.65	63.81
23 33 13 23-0291	EA	24" x 36" Vertically Mounted Backdraft Damper	621.31	68.02
23 33 13 23-0292	EA	36" x 24" Vertically Mounted Backdraft Damper	634.08	72.23
23 33 13 23-0293	EA	48" x 18" Vertically Mounted Backdraft Damper	646.84	76.44
23 33 13 23-0294	EA	44" x 20" Vertically Mounted Backdraft Damper	667.34	80.78
23 33 13 23-0295	EA	28" x 32" Vertically Mounted Backdraft Damper	675.07	80.78
23 33 13 23-0296	EA	32" x 28" Vertically Mounted Backdraft Damper	687.82	84.99
23 33 13 23-0297	EA	50" x 18" Vertically Mounted Backdraft Damper	689.73	84.99
23 33 13 23-0298	EA	24" x 40" Vertically Mounted Backdraft Damper	731.46	89.20
23 33 13 23-0299	EA	40" x 24" Vertically Mounted Backdraft Damper	731.46	89.20
23 33 13 23-0300	EA	48" x 20" Vertically Mounted Backdraft Damper	731.46	89.20
23 33 13 23-0301	EA	50" x 20" Vertically Mounted Backdraft Damper	559.37	25.52
23 33 13 23-0302	EA	28" x 36" Vertically Mounted Backdraft Damper	582.36	31.91
23 33 13 23-0303	EA	36" x 28" Vertically Mounted Backdraft Damper	588.74	33.94
23 33 13 23-0304	EA	32" x 32" Vertically Mounted Backdraft Damper	609.23	38.29
23 33 13 23-0305	EA	24" x 44" Vertically Mounted Backdraft Damper	582.32	42.49
23 33 13 23-0306	EA	44" x 24" Vertically Mounted Backdraft Damper	595.08	46.71
23 33 13 23-0307	EA	28" x 40" Vertically Mounted Backdraft Damper	635.39	51.05
23 33 13 23-0308	EA	40" x 28" Vertically Mounted Backdraft Damper	648.15	55.25
23 33 13 23-0309	EA	24" x 48" Vertically Mounted Backdraft Damper	674.71	59.47
23 33 13 23-0310	EA	32" x 36" Vertically Mounted Backdraft Damper	687.47	63.81
23 33 13 23-0311	EA	36" x 32" Vertically Mounted Backdraft Damper	700.23	68.02
23 33 13 23-0312	EA	48" x 24" Vertically Mounted Backdraft Damper	713.00	72.23
23 33 13 23-0313	EA	50" x 24" Vertically Mounted Backdraft Damper	746.42	76.44
23 33 13 23-0314	EA	28" x 44" Vertically Mounted Backdraft Damper	772.95	80.78
23 33 13 23-0315	EA	44" x 28" Vertically Mounted Backdraft Damper	772.95	80.78
23 33 13 23-0316	EA	32" x 40" Vertically Mounted Backdraft Damper	806.38	84.99
23 33 13 23-0317	EA	40" x 32" Vertically Mounted Backdraft Damper	634.10	27.56
23 33 13 23-0318	EA	36" x 36" Vertically Mounted Backdraft Damper	660.14	33.94
23 33 13 23-0319	EA	28" x 48" Vertically Mounted Backdraft Damper	693.55	38.29
23 33 13 23-0320	EA	48" x 28" Vertically Mounted Backdraft Damper	706.31	42.49
23 33 13 23-0321	EA	50" x 28" Vertically Mounted Backdraft Damper	743.18	46.71
23 33 13 23-0322	EA	32" x 44" Vertically Mounted Backdraft Damper	759.41	51.05
23 33 13 23-0323	EA	44" x 32" Vertically Mounted Backdraft Damper	759.41	51.05
23 33 13 23-0324	EA	36" x 40" Vertically Mounted Backdraft Damper	787.67	55.25
23 33 13 23-0325	EA	40" x 36" Vertically Mounted Backdraft Damper	749.47	63.81
23 33 13 23-0326	EA	28" x 52" Vertically Mounted Backdraft Damper	768.41	68.02
23 33 13 23-0327	EA	32" x 48" Vertically Mounted Backdraft Damper	812.18	72.23
23 33 13 23-0328	EA	48" x 32" Vertically Mounted Backdraft Damper	824.94	76.44
23 33 13 23-0329	EA	28" x 56" Vertically Mounted Backdraft Damper	850.11	80.78
23 33 13 23-0330	EA	36" x 44" Vertically Mounted Backdraft Damper	856.32	80.78
23 33 13 23-0331	EA	44" x 36" Vertically Mounted Backdraft Damper	869.07	84.99
23 33 13 23-0332	EA	40" x 40" Vertically Mounted Backdraft Damper	875.26	84.99
23 33 13 23-0333	EA	50" x 32" Vertically Mounted Backdraft Damper	709.36	29.73

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0334	EA	32" x 52" Vertically Mounted Backdraft Damper	746.94	33.94
23 33 13 23-0335	EA	28" x 60" Vertically Mounted Backdraft Damper	765.89	38.29
23 33 13 23-0336	EA	36" x 48" Vertically Mounted Backdraft Damper	797.27	42.49
23 33 13 23-0337	EA	48" x 36" Vertically Mounted Backdraft Damper	810.03	46.71
23 33 13 23-0338	EA	40" x 44" Vertically Mounted Backdraft Damper	835.21	51.05
23 33 13 23-0339	EA	44" x 40" Vertically Mounted Backdraft Damper	847.97	55.25
23 33 13 23-0340	EA	32" x 56" Vertically Mounted Backdraft Damper	873.10	59.47
23 33 13 23-0341	EA	50" x 36" Vertically Mounted Backdraft Damper	811.46	63.81
23 33 13 23-0342	EA	36" x 52" Vertically Mounted Backdraft Damper	861.80	72.23
23 33 13 23-0343	EA	32" x 60" Vertically Mounted Backdraft Damper	891.09	76.44
23 33 13 23-0344	EA	40" x 48" Vertically Mounted Backdraft Damper	903.85	80.78
23 33 13 23-0345	EA	48" x 40" Vertically Mounted Backdraft Damper	903.85	80.78
23 33 13 23-0346	EA	44" x 44" Vertically Mounted Backdraft Damper	922.12	84.99
23 33 13 23-0347	EA	40" x 50" Vertically Mounted Backdraft Damper	956.93	89.20
23 33 13 23-0348	EA	50" x 40" Vertically Mounted Backdraft Damper	956.93	89.20
23 33 13 23-0349	EA	36" x 56" Vertically Mounted Backdraft Damper	783.76	29.73
23 33 13 23-0350	EA	32" x 64" Vertically Mounted Backdraft Damper	820.33	38.29
23 33 13 23-0351	EA	44" x 48" Vertically Mounted Backdraft Damper	855.14	42.49
23 33 13 23-0352	EA	48" x 44" Vertically Mounted Backdraft Damper	867.90	46.71
23 33 13 23-0353	EA	36" x 60" Vertically Mounted Backdraft Damper	897.20	51.05
23 33 13 23-0354	EA	32" x 68" Vertically Mounted Backdraft Damper	915.48	55.25
23 33 13 23-0355	EA	44" x 50" Vertically Mounted Backdraft Damper	841.77	59.47
23 33 13 23-0356	EA	50" x 44" Vertically Mounted Backdraft Damper	854.53	63.81
23 33 13 23-0357	EA	32" x 72" Vertically Mounted Backdraft Damper	898.62	68.02
23 33 13 23-0358	EA	36" x 64" Vertically Mounted Backdraft Damper	911.39	72.23
23 33 13 23-0359	EA	48" x 48" Vertically Mounted Backdraft Damper	924.15	76.44
23 33 13 23-0360	EA	48" x 50" Vertically Mounted Backdraft Damper	965.85	80.78
23 33 13 23-0361	EA	50" x 48" Vertically Mounted Backdraft Damper	978.60	84.99
23 33 13 23-0362	EA	36" x 68" Vertically Mounted Backdraft Damper	993.07	84.99
23 33 13 23-0363	EA	50" x 50" Vertically Mounted Backdraft Damper	1,021.51	89.20
23 33 13 23-0364	EA	36" x 72" Vertically Mounted Backdraft Damper	1,049.23	89.20

23 33 13 23-0365 Backdraft Damper Accessories *(23 33 13 23)*

23 33 13 23-0366	EA	For Motor Pack For Horizontally Mounted Backdraft Damper	284.54	31.57
23 33 13 23-0367	EA	For Motor Pack For Vertically Mounted Backdraft Damper	487.75	31.57

23 33 13 33 Splitter Damper Hardware *(23 33 13)*

23 33 13 33-0001	EA	Splitter Damper, Hardware	45.61	8.92

23 33 13 43 Blower Check Valve *(23 33 13)*

23 33 13 43-0001 Blower Check Valves With Silicone Seals *(23 33 13 43)*

23 33 13 43-0002	EA	2-1/2" Blower Check Valves, Silicone Seals	295.86	32.92
23 33 13 43-0003	EA	3" Blower Check Valves, Silicone Seals	330.31	37.52
23 33 13 43-0004	EA	4" Blower Check Valves, Silicone Seals	424.20	49.77
23 33 13 43-0005	EA	5" Blower Check Valves, Silicone Seals	586.60	57.43
23 33 13 43-0006	EA	6" Blower Check Valves, Silicone Seals	657.08	68.91
23 33 13 43-0007	EA	8" Blower Check Valves, Silicone Seals	980.02	87.29

23 33 13 43-0008 Blower Check Valves With Viton Seats *(23 33 13 43)*

23 33 13 43-0009	EA	2-1/2" Blower Check Valves, Viton Seats	409.65	32.92
23 33 13 43-0010	EA	3" Blower Check Valves, Viton Seats	465.56	37.52
23 33 13 43-0011	EA	4" Blower Check Valves, Viton Seats	518.37	49.77
23 33 13 43-0012	EA	5" Blower Check Valves, Viton Seats	727.58	57.43
23 33 13 43-0013	EA	6" Blower Check Valves, Viton Seats	812.70	68.91
23 33 13 43-0014	EA	8" Blower Check Valves, Viton Seats	1,255.31	87.29

23 33 19 Duct Silencers *(23 33)*

23 33 19 00-0001 36" Long Packaged Duct Sound Trap *(23 33 19)*

23 33 19 00-0002	EA	12" x 12" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	400.75	52.23
23 33 19 00-0003	EA	12" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	482.60	59.87
23 33 19 00-0004	EA	12" x 24" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	629.41	68.79
23 33 19 00-0005	EA	12" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	767.88	77.71
23 33 19 00-0006	EA	24" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	708.46	77.71
23 33 19 00-0007	EA	24" x 24" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	911.46	81.52
23 33 19 00-0008	EA	24" x 30" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,008.23	86.62
23 33 19 00-0009	EA	24" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,107.56	91.72
23 33 19 00-0010	EA	24" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,458.82	104.45
23 33 19 00-0011	EA	36" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	903.34	86.62
23 33 19 00-0012	EA	36" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,224.56	104.45
23 33 19 00-0013	EA	36" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	2,185.07	140.12
23 33 19 00-0014	EA	36" x 60" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	2,420.04	147.76
23 33 19 00-0015	EA	48" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	2,703.29	159.23
23 33 19 00-0016	EA	48" x 60" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	3,037.42	173.24

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 19 00-0017		**60" Long Packaged Duct Sound Trap** *(23 33 19)*		
23 33 19 00-0018	EA	12" x 12" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	447.82	114.65
23 33 19 00-0019	EA	12" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	540.76	132.48
23 33 19 00-0020	EA	12" x 24" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	707.01	152.86
23 33 19 00-0021	EA	12" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	862.72	171.97
23 33 19 00-0022	EA	24" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	795.17	171.97
23 33 19 00-0023	EA	24" x 24" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,027.47	182.15
23 33 19 00-0024	EA	24" x 30" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,133.08	191.07
23 33 19 00-0025	EA	24" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,240.61	201.27
23 33 19 00-0026	EA	24" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,642.59	229.29
23 33 19 00-0027	EA	36" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,013.89	191.07
23 33 19 00-0028	EA	36" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,376.39	229.29
23 33 19 00-0029	EA	36" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	2,450.93	301.89
23 33 19 00-0030	EA	36" x 60" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	2,737.07	327.37
23 33 19 00-0031	EA	48" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	3,042.98	347.75
23 33 19 00-0032	EA	48" x 60" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	3,426.34	382.15
23 33 19 00-0033		**84" Long Packaged Duct Sound Trap** *(23 33 19)*		
23 33 19 00-0034	EA	6" x 12" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	385.76	95.54
23 33 19 00-0035	EA	6" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	664.06	142.67
23 33 19 00-0036	EA	6" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	925.46	208.91
23 33 19 00-0037	EA	12" x 12" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	523.31	114.65
23 33 19 00-0038	EA	12" x 18" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	652.01	132.48
23 33 19 00-0039	EA	12" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	889.78	152.86
23 33 19 00-0040	EA	12" x 30" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,054.66	164.33
23 33 19 00-0041	EA	12" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,151.36	177.06
23 33 19 00-0042	EA	12" x 42" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,454.91	191.07
23 33 19 00-0043	EA	12" x 48" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,724.07	208.91
23 33 19 00-0044	EA	24" x 18" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	984.49	177.06
23 33 19 00-0045	EA	24" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,414.77	184.70
23 33 19 00-0046	EA	24" x 30" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,546.30	191.07
23 33 19 00-0047	EA	24" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,685.61	201.27
23 33 19 00-0048	EA	24" x 42" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	2,121.23	216.55
23 33 19 00-0049	EA	24" x 48" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	2,302.14	229.29
23 33 23		**Turning Vanes** *(23 33)*		
23 33 23 00-0001		**Duct Turning Vane Components** *(23 33 23)*		
23 33 23 00-0002	LF	Duct Turning Vane Rail	13.97	3.18
		For Stainless Steel, Add	*9.58*	
23 33 23 00-0003	LF	Double Thick Factory Fabricated, Duct Turning Vane	13.73	1.28
		For Stainless Steel, Add	*14.42*	
23 33 23 00-0004		**Duct Turning Vane Sets** *(23 33 23)*		
		Note: Measured from inside corner to outside corner of ductwork.		
23 33 23 00-0005	LF	12" High Duct Turning Vanes, Sets	56.93	4.78
		For Stainless Steel, Add	*66.25*	
23 33 23 00-0006	LF	14" High Duct Turning Vanes, Sets	70.83	5.09
		For Stainless Steel, Add	*83.80*	
23 33 23 00-0007	LF	16" High Duct Turning Vanes, Sets	97.00	5.35
		For Stainless Steel, Add	*117.34*	
23 33 23 00-0008	LF	18" High Duct Turning Vanes, Sets	123.22	5.73
		For Stainless Steel, Add	*150.87*	
23 33 23 00-0009	LF	20" High Duct Turning Vanes, Sets	136.57	6.11
		For Stainless Steel, Add	*167.61*	
23 33 23 00-0010	LF	22" High Duct Turning Vanes, Sets	174.79	5.73
		For Stainless Steel, Add	*217.92*	
23 33 23 00-0011	LF	24" High Duct Turning Vanes, Sets	214.81	6.75
		For Stainless Steel, Add	*268.20*	
23 33 23 00-0012	LF	26" High Duct Turning Vanes, Sets	230.66	7.06
		For Stainless Steel, Add	*288.39*	
23 33 23 00-0013	LF	30" High Duct Turning Vanes, Sets	257.63	7.34
		For Stainless Steel, Add	*323.00*	
23 33 33		**Duct-Mounting Access Doors** *(23 33)*		
23 33 33 00-0001		**Duct Access Doors, Insulated Factory Fabrication** *(23 33 33)*		
23 33 33 00-0002	EA	6" x 6" Duct Access Doors Insulated Factory Fabrication	100.02	17.84
		For Stainless Steel, Add	*56.72*	
23 33 33 00-0003	EA	10" x 10" Duct Access Doors Insulated Factory Fabrication	105.97	17.84
		For Stainless Steel, Add	*68.62*	
23 33 33 00-0004	EA	12" x 12" Duct Access Doors Insulated Factory Fabrication	108.88	17.84
		For Stainless Steel, Add	*74.44*	
23 33 33 00-0005	EA	12" x 18" Duct Access Doors Insulated Factory Fabrication	140.67	21.65
		For Stainless Steel, Add	*104.98*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 33 00-0006		EA	16" x 12" Duct Access Doors Insulated Factory Fabrication	141.85	21.65
			For Stainless Steel, Add	*107.34*	
23 33 33 00-0007		EA	18" x 18" Duct Access Doors Insulated Factory Fabrication	176.42	29.30
			For Stainless Steel, Add	*123.54*	
23 33 33 00-0008		EA	24" x 18" Duct Access Doors Insulated Factory Fabrication	209.81	35.67
			For Stainless Steel, Add	*133.02*	
23 33 33 00-0009		EA	24" x 24" Duct Access Doors Insulated Factory Fabrication	272.74	48.40
			For Stainless Steel, Add	*163.34*	

23 33 43 Flexible Connectors *(23 33)*

23 33 43 00-0001		LF	6-1/2" Width, Galvanized Steel, Flexible Duct Connector	16.19	3.82
23 33 43 00-0002		LF	5-3/4" Width, Vinyl/Steel, Flexible Duct Connector	16.64	3.44

23 33 46 Flexible Ducts *(23 33)*

23 33 46 00-0001 Flexible Duct, R8.0 Insulated With Metallized Outer Jacket *(23 33 46)*

Note: Polyester inner liner encapsulating a corrosion resistant steel wire helix, supporting a blanket of fiberglass insulation over a fiberglass scrim and a bi-directional reinforced metallized outer vapor barrier jacket.

23 33 46 00-0002		LF	4" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	9.40	1.28
			For R6.0 Insulated Flexible Duct, Deduct	*-1.02*	
			For R4.2 Insulated Flexible Duct, Deduct	*-1.19*	
23 33 46 00-0003		LF	5" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	10.36	2.55
			For R6.0 Insulated Flexible Duct, Deduct	*-1.08*	
			For R4.2 Insulated Flexible Duct, Deduct	*-1.26*	
23 33 46 00-0004		LF	6" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	11.58	2.55
			For R6.0 Insulated Flexible Duct, Deduct	*-1.10*	
			For R4.2 Insulated Flexible Duct, Deduct	*-1.29*	
23 33 46 00-0005		LF	7" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	13.42	2.55
			For R6.0 Insulated Flexible Duct, Deduct	*-1.24*	
			For R4.2 Insulated Flexible Duct, Deduct	*-1.44*	
23 33 46 00-0006		LF	8" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	15.62	3.82
			For R6.0 Insulated Flexible Duct, Deduct	*-1.25*	
			For R4.2 Insulated Flexible Duct, Deduct	*-1.46*	
23 33 46 00-0007		LF	10" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	20.24	3.82
			For R6.0 Insulated Flexible Duct, Deduct	*-1.68*	
			For R4.2 Insulated Flexible Duct, Deduct	*-1.96*	
23 33 46 00-0008		LF	12" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	27.04	5.09
			For R6.0 Insulated Flexible Duct, Deduct	*-2.00*	
			For R4.2 Insulated Flexible Duct, Deduct	*-2.33*	
23 33 46 00-0009		LF	14" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	33.60	5.09
			For R6.0 Insulated Flexible Duct, Deduct	*-2.44*	
			For R4.2 Insulated Flexible Duct, Deduct	*-2.84*	
23 33 46 00-0010		LF	16" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	43.72	6.37
			For R6.0 Insulated Flexible Duct, Deduct	*-2.91*	
			For R4.2 Insulated Flexible Duct, Deduct	*-3.40*	
23 33 46 00-0011		LF	18" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	53.41	8.28
			For R6.0 Insulated Flexible Duct, Deduct	*-3.79*	
			For R4.2 Insulated Flexible Duct, Deduct	*-4.42*	
23 33 46 00-0012		LF	20" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	63.64	8.92
			For R6.0 Insulated Flexible Duct, Deduct	*-5.72*	
			For R4.2 Insulated Flexible Duct, Deduct	*-6.67*	

23 33 46 00-0013 Collars, Sheet Metal Spin-In Type With Damper *(23 33 46)*

23 33 46 00-0014		EA	Up To 4" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	51.83	7.64
			For Stainless Steel, Add	*30.12*	
23 33 46 00-0015		EA	5" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	56.22	8.92
			For Stainless Steel, Add	*30.51*	
23 33 46 00-0016		EA	6" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	64.11	8.92
			For Stainless Steel, Add	*33.66*	
23 33 46 00-0017		EA	7" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	72.57	11.46
			For Stainless Steel, Add	*34.72*	
23 33 46 00-0018		EA	8" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	87.49	14.01
			For Stainless Steel, Add	*39.22*	
23 33 46 00-0019		EA	10" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	102.72	16.56
			For Stainless Steel, Add	*48.36*	
23 33 46 00-0020		EA	12" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	116.51	19.10
			For Stainless Steel, Add	*52.10*	
23 33 46 00-0021		EA	14" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	138.08	21.65
			For Stainless Steel, Add	*65.25*	
23 33 46 00-0022		EA	16" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	150.45	24.21
			For Stainless Steel, Add	*71.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 53		**Duct Liners** *(23 33)*		
23 33 53 00-0001		Fiberglass Duct Liner Board, Rigid, Acoustical Insulation *(23 33 53)*		
23 33 53 00-0002	SF	1/2" Field Installed, 3 Lb./CF, Fiberglass Duct Liner Board	12.48	3.44
23 33 53 00-0003	SF	3/4" Field Installed, 3 Lb./CF, Fiberglass Duct Liner Board	13.64	3.44
23 33 53 00-0004	SF	1" Field Installed, 3 Lb./CF, Fiberglass Duct Liner Board	15.11	4.59
23 33 53 00-0005	SF	1-1/2" Field Installed, 3 Lb./CF, Fiberglass Duct Liner Board	18.48	4.59
23 33 53 00-0006	SF	2" Field Installed, 3 Lb./CF, Fiberglass Duct Liner Board	22.28	5.17
23 33 53 00-0007	SF	1/2" Shop Installed, 3 Lb./CF, Fiberglass Duct Liner Board	12.11	3.82
23 33 53 00-0008	SF	3/4" Shop Installed, 3 Lb./CF, Fiberglass Duct Liner Board	13.26	3.82
23 33 53 00-0009	SF	1" Shop Installed, 3 Lb./CF, Fiberglass Duct Liner Board	14.73	5.09
23 33 53 00-0010	SF	1-1/2" Shop Installed, 3 Lb./CF, Fiberglass Duct Liner Board	17.89	5.09
23 33 53 00-0011	SF	2" Shop Installed, 3 Lb./CF, Fiberglass Duct Liner Board	21.66	5.73
23 33 53 00-0012		Fiberglass Duct Liner Blanket, Flexible, Acoustical Insulation *(23 33 53)*		
23 33 53 00-0013	SF	1/2", R2, 2 Lb./CF, T200, Fiberglass Duct Liner Blanket	2.37	3.06
23 33 53 00-0014	SF	1", R3.8, 1.5 Lb./CF, T150, Fiberglass Duct Liner Blanket	3.01	3.44
23 33 53 00-0015	SF	1", R4.1, 2 Lb./CF, T200, Fiberglass Duct Liner Blanket	3.33	3.44
23 33 53 00-0016	SF	1", R4.3, 3 Lb./CF, T300, Fiberglass Duct Liner Blanket	4.23	3.44
23 33 53 00-0017	SF	1-1/2", T150, 1.5 Lb./CF, Fiberglass Duct Liner Blanket	3.58	3.82
23 33 53 00-0018	SF	2", R7.7, 1.5 Lb./CF, T150 Fiberglass Duct Liner Blanket	3.79	4.21
23 33 53 00-0019	SF	2", R8, 2 Lb./CF, T200 Fiberglass Duct Liner Blanket	5.75	4.21
23 33 56		**Duct Air Extractors** *(23 33)*		
23 33 56 00-0001	EA	12" x 4" Duct Air Extractor	63.80	21.02
		For Stainless Steel, Add	*28.30*	
23 33 56 00-0002	EA	8" x 6" Duct Air Extractor	67.63	22.93
		For Stainless Steel, Add	*28.30*	
23 33 56 00-0003	EA	12" x 6" Duct Air Extractor	78.53	24.21
		For Stainless Steel, Add	*39.17*	
23 33 56 00-0004	EA	16" x 6" Duct Air Extractor	89.16	25.48
		For Stainless Steel, Add	*49.67*	
23 33 56 00-0005	EA	24" x 6" Duct Air Extractor	119.14	28.02
		For Stainless Steel, Add	*82.03*	
23 33 56 00-0006	EA	12" x 8" Duct Air Extractor	84.72	25.48
		For Stainless Steel, Add	*43.90*	
23 33 56 00-0007	EA	20" x 8" Duct Air Extractor	112.57	31.85
		For Stainless Steel, Add	*63.54*	
23 33 56 00-0008	EA	18" x 10" Duct Air Extractor	120.60	36.30
		For Stainless Steel, Add	*62.39*	
23 33 56 00-0009	EA	24" x 10" Duct Air Extractor	147.56	42.66
		For Stainless Steel, Add	*80.87*	
23 33 56 00-0010	EA	24" x 12" Duct Air Extractor	168.55	50.95
		For Stainless Steel, Add	*86.65*	
23 33 56 00-0011	EA	30" x 12" Duct Air Extractor	210.91	63.69
		For Stainless Steel, Add	*108.59*	
23 33 59		**Duct Pressure Relief Doors** *(23 33)*		
23 33 59 00-0001		Duct Pressure Relief Doors *(23 33 59)*		
23 33 59 00-0002	EA	18" x 18" Duct Pressure Relief Door (Ruskin PRD18)	1,283.55	38.22
23 33 59 00-0003	EA	24" x 10" Duct Pressure Relief Door (Ruskin PRD18)	1,054.54	31.85
23 33 59 00-0004	EA	24" x 12" Duct Pressure Relief Door (Ruskin PRD18)	1,044.67	35.03
23 34		**HVAC Fans** *(23 30)*		
23 34 13		**Axial HVAC Fans** *(23 34)*		
23 34 13 00-0001		Tube-Axial Fans *(23 34 13)*		
23 34 13 00-0002		Direct Drive Tube-Axial Duct Fans *(23 34 13 00-0001)*		
23 34 13 00-0003	EA	12" Direct Drive Axial Flow Fan, 1/6 HP 1,060 CFM Constant Speed, 1/8" Static Pressure	1,978.12	391.37
		For 1/4" Static Pressure, Add	*95.57*	
		For 3/8" Static Pressure, Add	*191.14*	
		For 1/2" Static Pressure, Add	*262.81*	
23 34 13 00-0004	EA	12" Direct Drive Axial Flow Fan, 1/2 HP 2,095 CFM Constant Speed, 1/8" Static Pressure	2,063.45	392.54
		For 1/4" Static Pressure, Add	*102.39*	
		For 3/8" Static Pressure, Add	*204.79*	
		For 1/2" Static Pressure, Add	*281.58*	
23 34 13 00-0005	EA	16" Direct Drive Axial Flow Fan, 1/3 HP 2,490 CFM Constant Speed, 1/8" Static Pressure	2,234.11	391.37
		For 1/4" Static Pressure, Add	*116.05*	
		For 3/8" Static Pressure, Add	*232.09*	
		For 1/2" Static Pressure, Add	*319.13*	
23 34 13 00-0006	EA	20" Direct Drive Axial Flow Fan, 3/4 HP 4,130 CFM Constant Speed, 1/8" Static Pressure	2,404.77	392.54
		For 1/4" Static Pressure, Add	*129.70*	
		For 3/8" Static Pressure, Add	*259.40*	
		For 1/2" Static Pressure, Add	*356.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 13 00-0007	EA	22" Direct Drive Axial Flow Fan, 3/4 HP 4,700 CFM Constant Speed, 1/8" Static Pressure	2,817.45	470.11
		For 1/4" Static Pressure, Add	*150.18*	
		For 3/8" Static Pressure, Add	*300.36*	
		For 1/2" Static Pressure, Add	*412.99*	
23 34 13 00-0008	EA	24" Direct Drive Axial Flow Fan, 1 HP 5,850 CFM Constant Speed, 1/8" Static Pressure	3,240.53	511.25
		For 1/4" Static Pressure, Add	*177.48*	
		For 3/8" Static Pressure, Add	*354.97*	
		For 1/2" Static Pressure, Add	*488.08*	
23 34 13 00-0009	EA	24" Direct Drive Axial Flow Fan, 1-1/2 HP 7,925 CFM Constant Speed, 1/8" Static Pressure	3,423.19	559.43
		For 1/4" Static Pressure, Add	*184.31*	
		For 3/8" Static Pressure, Add	*368.62*	
		For 1/2" Static Pressure, Add	*506.85*	
23 34 13 00-0010	EA	30" Direct Drive Axial Flow Fan, 1 HP 10,640 CFM Constant Speed, 1/8" Static Pressure	3,905.79	587.64
		For 1/4" Static Pressure, Add	*218.44*	
		For 3/8" Static Pressure, Add	*436.88*	
		For 1/2" Static Pressure, Add	*600.71*	
23 34 13 00-0011	EA	30" Direct Drive Axial Flow Fan, 2-1/2 HP 14,765 CFM Constant Speed, 1/8" Static Pressure	4,711.58	734.54
		For 1/4" Static Pressure, Add	*259.40*	
		For 3/8" Static Pressure, Add	*518.80*	
		For 1/2" Static Pressure, Add	*713.35*	
23 34 13 00-0012	EA	36" Direct Drive Axial Flow Fan, 2 HP 16,780 CFM Constant Speed, 1/8" Static Pressure	5,321.50	783.90
		For 1/4" Static Pressure, Add	*300.36*	
		For 3/8" Static Pressure, Add	*600.72*	
		For 1/2" Static Pressure, Add	*825.98*	
23 34 13 00-0013	EA	36" Direct Drive Axial Flow Fan, 5 HP 22,920 CFM Constant Speed, 1/8" Static Pressure	6,245.21	903.78
		For 1/4" Static Pressure, Add	*354.97*	
		For 3/8" Static Pressure, Add	*709.94*	
		For 1/2" Static Pressure, Add	*976.16*	

23 34 13 00-0014 Belt Drive Tube-Axial Duct Fans *(23 34 13 00-0001)*

23 34 13 00-0015	EA	15" Belt Drive Axial Flow Fan, 1/3 HP 2,800 CFM Constant Speed, 1/8" Static Pressure	1,875.84	379.62
		For 1/4" Static Pressure, Add	*89.41*	
		For 3/8" Static Pressure, Add	*178.82*	
		For 1/2" Static Pressure, Add	*245.87*	
23 34 13 00-0016	EA	15" Belt Drive Axial Flow Fan, 1/2 HP 3,400 CFM Constant Speed, 1/8" Static Pressure	1,989.35	392.54
		For 1/4" Static Pressure, Add	*96.47*	
		For 3/8" Static Pressure, Add	*192.93*	
		For 1/2" Static Pressure, Add	*265.28*	
23 34 13 00-0017	EA	18" Belt Drive Axial Flow Fan, 1/3 HP 3,280 CFM Constant Speed, 1/8" Static Pressure	2,055.57	405.47
		For 1/4" Static Pressure, Add	*99.60*	
		For 3/8" Static Pressure, Add	*199.21*	
		For 1/2" Static Pressure, Add	*273.91*	
23 34 13 00-0018	EA	18" Belt Drive Axial Flow Fan, 1/2 HP 3,900 CFM Constant Speed, 1/8" Static Pressure	2,176.02	419.57
		For 1/4" Static Pressure, Add	*106.92*	
		For 3/8" Static Pressure, Add	*213.85*	
		For 1/2" Static Pressure, Add	*294.04*	
23 34 13 00-0019	EA	18" Belt Drive Axial Flow Fan, 1 HP 5,250 CFM Constant Speed, 1/8" Static Pressure	2,455.46	436.02
		For 1/4" Static Pressure, Add	*126.79*	
		For 3/8" Static Pressure, Add	*253.58*	
		For 1/2" Static Pressure, Add	*348.68*	
23 34 13 00-0020	EA	24" Belt Drive Axial Flow Fan, 1/2 HP 4,800 CFM Constant Speed, 1/8" Static Pressure	2,590.25	452.47
		For 1/4" Static Pressure, Add	*134.90*	
		For 3/8" Static Pressure, Add	*269.79*	
		For 1/2" Static Pressure, Add	*370.96*	
23 34 13 00-0021	EA	24" Belt Drive Axial Flow Fan, 1 HP 6,430 CFM Constant Speed, 1/8" Static Pressure	2,900.91	470.11
		For 1/4" Static Pressure, Add	*156.86*	
		For 3/8" Static Pressure, Add	*313.71*	
		For 1/2" Static Pressure, Add	*431.35*	
23 34 13 00-0022	EA	24" Belt Drive Axial Flow Fan, 2 HP 8,860 CFM Constant Speed, 1/8" Static Pressure	3,274.82	470.11
		For 1/4" Static Pressure, Add	*186.89*	
		For 3/8" Static Pressure, Add	*373.78*	
		For 1/2" Static Pressure, Add	*513.94*	
23 34 13 00-0023	EA	30" Belt Drive Axial Flow Fan, 1 HP 9,250 CFM Constant Speed, 1/8" Static Pressure	3,797.85	511.25
		For 1/4" Static Pressure, Add	*222.21*	
		For 3/8" Static Pressure, Add	*444.42*	
		For 1/2" Static Pressure, Add	*611.08*	
23 34 13 00-0024	EA	30" Belt Drive Axial Flow Fan, 5 HP 16,900 CFM Constant Speed, 1/8" Static Pressure	4,502.35	619.37
		For 1/4" Static Pressure, Add	*261.43*	
		For 3/8" Static Pressure, Add	*522.85*	
		For 1/2" Static Pressure, Add	*718.92*	
23 34 13 00-0025	EA	30" Belt Drive Axial Flow Fan, 5 HP 16,150 CFM Constant Speed, 1/8" Static Pressure	5,133.25	619.37
		For 1/4" Static Pressure, Add	*311.48*	
		For 3/8" Static Pressure, Add	*622.96*	
		For 1/2" Static Pressure, Add	*856.57*	
23 34 13 00-0026	EA	36" Belt Drive Axial Flow Fan, 3/4 HP 8,090 CFM Constant Speed, 1/8" Static Pressure	5,653.25	653.45
		For 1/4" Static Pressure, Add	*347.79*	
		For 3/8" Static Pressure, Add	*695.58*	
		For 1/2" Static Pressure, Add	*956.43*	
23 34 13 00-0027	EA	36" Belt Drive Axial Flow Fan, 2 HP 14,475 CFM Constant Speed, 1/8" Static Pressure	6,176.54	691.06
		For 1/4" Static Pressure, Add	*383.77*	
		For 3/8" Static Pressure, Add	*767.54*	
		For 1/2" Static Pressure, Add	*1,055.37*	

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LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 13 00-0028	EA	36" Belt Drive Axial Flow Fan, 7-1/2 HP 14,475 CFM Constant Speed, 1/8" Static Pressure	7,031.09	903.78
		For 1/4" Static Pressure, Add	*418.28*	
		For 3/8" Static Pressure, Add	*836.56*	
		For 1/2" Static Pressure, Add	*1,150.27*	
23 34 13 00-0029	EA	36" Belt Drive Axial Flow Fan, 5 HP 20,080 CFM Constant Speed, 1/8" Static Pressure	8,032.19	904.96
		For 1/4" Static Pressure, Add	*498.37*	
		For 3/8" Static Pressure, Add	*996.74*	
		For 1/2" Static Pressure, Add	*1,370.52*	
23 34 13 00-0030	EA	42" Belt Drive Axial Flow Fan, 7-1/2 HP 29,000 CFM Constant Speed, 1/8" Static Pressure	9,070.18	1,068.08
		For 1/4" Static Pressure, Add	*555.29*	
		For 3/8" Static Pressure, Add	*1,110.57*	
		For 1/2" Static Pressure, Add	*1,527.04*	

23 34 16 Centrifugal HVAC Fans *(23 34)*

23 34 16 00-0001 Centrifugal Fans *(23 34 16)*

Note: All belt fans to be supplied with belt guard.

23 34 16 00-0002 Utility Backward Inclined Steel Wheel Centrifugal Fans *(23 34 16 00-0001)*

Note: V-belt driven.

23 34 16 00-0003 Industrial Type Utility Backward Centrifugal Fans *(23 34 16 00-0002)*

Note: Under 30" diameter wheel.

23 34 16 00-0004 12-1/4" Diameter Wheel 650 To 2,950 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*

23 34 16 00-0005	EA	1/6 HP, 12-1/4" Wheel, 450 To 1,750 CFM At 1/8" Static Pressure, Centrifugal Fan	1,296.96	258.21
23 34 16 00-0006	EA	1/4 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	1,855.05	267.96
23 34 16 00-0007	EA	1/3 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	1,909.16	213.55
23 34 16 00-0008	EA	1/2 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	1,993.67	292.64
23 34 16 00-0009	EA	3/4 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	2,043.09	310.27
23 34 16 00-0010	EA	1 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	2,108.61	323.20
23 34 16 00-0011	EA	1-1/2 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	2,174.98	344.36

23 34 16 00-0012 13-1/2" Diameter Wheel 734 To 3,343 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*

23 34 16 00-0013	EA	1/4 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,137.49	282.07
23 34 16 00-0014	EA	1/3 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,176.42	292.64
23 34 16 00-0015	EA	1/2 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,248.63	310.27
23 34 16 00-0016	EA	3/4 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,291.02	323.20
23 34 16 00-0017	EA	1 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,369.27	344.36
23 34 16 00-0018	EA	1-1/2 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,446.77	360.81

23 34 16 00-0019 15" Diameter Wheel 1,258 To 4,146 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*

23 34 16 00-0020	EA	1/4 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,153.62	292.64
23 34 16 00-0021	EA	1/3 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,203.03	310.27
23 34 16 00-0022	EA	1/2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,268.22	323.20
23 34 16 00-0023	EA	3/4 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,323.66	344.36
23 34 16 00-0024	EA	1 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,393.57	360.81
23 34 16 00-0025	EA	1-1/2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,491.56	387.84
23 34 16 00-0026	EA	2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,568.08	407.82

23 34 16 00-0027 16-1/2" Diameter Wheel 977 To 4,711 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*

23 34 16 00-0028	EA	1/4 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,465.25	310.27
23 34 16 00-0029	EA	1/3 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,554.12	323.20
23 34 16 00-0030	EA	1/2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,652.89	344.36
23 34 16 00-0031	EA	3/4 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,705.10	360.81
23 34 16 00-0032	EA	1 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,774.00	387.84
23 34 16 00-0033	EA	1-1/2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,832.83	407.82
23 34 16 00-0034	EA	2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	3,145.55	443.08

23 34 16 00-0035 18-1/4" Diameter Wheel 2,193 To 6,498 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*

23 34 16 00-0036	EA	1/4 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,547.54	323.20
23 34 16 00-0037	EA	1/3 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,608.68	344.36
23 34 16 00-0038	EA	1/2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,690.00	360.81
23 34 16 00-0039	EA	3/4 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,753.80	387.84
23 34 16 00-0040	EA	1 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,841.71	407.82
23 34 16 00-0041	EA	1-1/2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,974.55	443.08
23 34 16 00-0042	EA	2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	3,060.85	470.11
23 34 16 00-0043	EA	3 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	3,189.74	517.12

23 34 16 00-0044 20" Diameter Wheel 2,412 To 7,364 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*

23 34 16 00-0045	EA	1/4 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,574.48	344.36
23 34 16 00-0046	EA	1/3 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,655.77	360.81
23 34 16 00-0047	EA	1/2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,753.80	387.84
23 34 16 00-0048	EA	3/4 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,841.71	407.82
23 34 16 00-0049	EA	1 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	3,008.74	443.08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0050	EA	1-1/2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	3,241.62	470.11
23 34 16 00-0051	EA	2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	3,405.71	517.12
23 34 16 00-0052	EA	3 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	3,575.68	553.56
23 34 16 00-0053		22-1/4" Diameter Wheel 2,265 To 8,483 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*		
23 34 16 00-0054	EA	1/4 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,092.82	360.81
23 34 16 00-0055	EA	1/3 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,151.27	387.84
23 34 16 00-0056	EA	1/2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,231.23	407.82
23 34 16 00-0057	EA	3/4 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,331.77	443.08
23 34 16 00-0058	EA	1 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,464.60	470.11
23 34 16 00-0059	EA	1-1/2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,510.20	517.12
23 34 16 00-0060	EA	2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,598.48	553.56
23 34 16 00-0061	EA	3 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,756.21	620.54
23 34 16 00-0062		24-1/2" Diameter Wheel 3,055 To 11,380 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*		
23 34 16 00-0063	EA	1/4 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,719.06	387.84
23 34 16 00-0064	EA	1/2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,841.00	443.08
23 34 16 00-0065	EA	3/4 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,961.51	470.11
23 34 16 00-0066	EA	1 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,089.75	517.12
23 34 16 00-0067	EA	1-1/2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,202.72	553.56
23 34 16 00-0068	EA	2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,303.46	620.54
23 34 16 00-0069	EA	3 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,442.23	674.60
23 34 16 00-0070	EA	5 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,766.52	775.68
23 34 16 00-0071		27" Diameter Wheel 2,734 To 13,266 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*		
23 34 16 00-0072	EA	1/4 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,120.50	407.82
23 34 16 00-0073	EA	1/2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,246.54	470.11
23 34 16 00-0074	EA	3/4 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,374.77	517.12
23 34 16 00-0075	EA	1 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,487.75	553.56
23 34 16 00-0076	EA	1-1/2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,645.48	620.54
23 34 16 00-0077	EA	2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,783.90	674.60
23 34 16 00-0078	EA	3 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	5,132.42	775.68
23 34 16 00-0079	EA	5 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	5,182.14	861.47
23 34 16 00-0080		Large Industrial Type Utility Backward Centrifugal Fans *(23 34 16 00-0002)* Note: Over 30" diameter wheel.		
23 34 16 00-0081		30" Diameter Wheel 4,926 To 17,456 CFM At 1/8" Static Pressure *(23 34 16 00-0080)*		
23 34 16 00-0082	EA	1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	5,771.38	517.12
23 34 16 00-0083	EA	3/4 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	5,879.87	553.56
23 34 16 00-0084	EA	1 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	6,047.79	620.54
23 34 16 00-0085	EA	1-1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	6,197.60	674.60
23 34 16 00-0086	EA	2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	6,419.65	775.68
23 34 16 00-0087	EA	3 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	6,618.64	861.47
23 34 16 00-0088	EA	5 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	6,948.22	1,034.24
23 34 16 00-0089	EA	7-1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	7,252.16	1,192.90
23 34 16 00-0090		33" Diameter Wheel 5,734 To 19,799 CFM At 1/8" Static Pressure *(23 34 16 00-0080)*		
23 34 16 00-0091	EA	1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	6,767.92	553.56
23 34 16 00-0092	EA	3/4 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	6,982.66	620.54
23 34 16 00-0093	EA	1 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	7,178.43	674.60
23 34 16 00-0094	EA	1-1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	7,445.73	775.68
23 34 16 00-0095	EA	2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	7,690.33	861.47
23 34 16 00-0096	EA	3 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	8,065.50	1,034.24
23 34 16 00-0097	EA	5 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	8,483.57	1,192.90
23 34 16 00-0098	EA	7-1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	9,077.05	1,551.36
23 34 16 00-0099		36-1/2" Diameter Wheel 5,388 To 22,500 CFM At 1/8" Static Pressure *(23 34 16 00-0080)*		
23 34 16 00-0100	EA	1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	7,224.37	620.54
23 34 16 00-0101	EA	3/4 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	7,426.97	674.60
23 34 16 00-0102	EA	1 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	8,070.49	775.68
23 34 16 00-0103	EA	1-1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	8,504.36	861.47
23 34 16 00-0104	EA	2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	9,039.41	1,034.24
23 34 16 00-0105	EA	3 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	9,450.30	1,192.90
23 34 16 00-0106	EA	5 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	10,313.04	1,551.36
23 34 16 00-0107	EA	7-1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	11,036.88	1,939.19
23 34 16 00-0108		Kitchen System Fans *(23 34 16 00-0001)*		
23 34 16 00-0109		Upblast Kitchen Exhaust Fans *(23 34 16 00-0108)*		
23 34 16 00-0110		Direct Drive Kitchen Upblast Exhaust Fans *(23 34 16 00-0109)* Note: Greenheck CUE.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0111	EA	Up To 12" Wheel Diameter, 1/6 HP Direct Drive, Kitchen Upblast Exhaust Fan Note: 115V. For roof or wall installations. Includes disconnect switch.	1,386.41	152.78
		For Bird Screen, Add	*61.24*	
		For Backdraft Damper, Add	*171.22*	
		For Damper Motor, Add	*280.17*	
23 34 16 00-0112	EA	14" Wheel Diameter, 1/4 HP Direct Drive, Kitchen Upblast Exhaust Fan Note: 115V. For roof or wall installations. Includes disconnect switch.	1,629.69	152.78
		For Bird Screen, Add	*61.24*	
		For Backdraft Damper, Add	*171.22*	
		For Damper Motor, Add	*280.17*	

23 34 16 00-0113 Belt Drive Kitchen Upblast Exhaust Fans *(23 34 16 00-0109)*

Note: Greenheck CUBE.

23 34 16 00-0114	EA	10" Diameter Wheel, Up To 1/3 HP, 1,458 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	2,398.17	152.78
		For Bird Screen, Add	*61.24*	
		For Wall Mounted Fan, Add	*95.93*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*177.87*	
		For Backdraft Damper, Add	*171.22*	
		For Damper Motor, Add	*280.17*	
23 34 16 00-0115	EA	12" Diameter Wheel, 1/2 HP, 1,923 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	2,503.75	152.78
		For Bird Screen, Add	*61.24*	
		For Wall Mounted Fan, Add	*100.15*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*186.85*	
		For Backdraft Damper, Add	*171.22*	
		For Damper Motor, Add	*280.17*	
23 34 16 00-0116	EA	14" Diameter Wheel, 1/3 HP, 2,006 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	2,143.22	176.29
		For Bird Screen, Add	*69.68*	
		For Wall Mounted Fan, Add	*85.73*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*152.20*	
		For Backdraft Damper, Add	*194.43*	
		For Damper Motor, Add	*280.17*	
23 34 16 00-0117	EA	14" Diameter Wheel, 1 HP, 2,757 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	2,295.25	176.29
		For Bird Screen, Add	*69.68*	
		For Wall Mounted Fan, Add	*91.81*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*165.13*	
		For Backdraft Damper, Add	*194.43*	
		For Damper Motor, Add	*280.17*	
23 34 16 00-0118	EA	16" Diameter Wheel, 1/2 HP, 2,940 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	2,919.92	205.68
		For Bird Screen, Add	*69.68*	
		For Wall Mounted Fan, Add	*116.80*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*213.23*	
		For Backdraft Damper, Add	*194.43*	
		For Damper Motor, Add	*280.17*	
23 34 16 00-0119	EA	16" Diameter Wheel, 1 HP, 3,129 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	3,082.51	205.68
		For Bird Screen, Add	*69.68*	
		For Wall Mounted Fan, Add	*123.30*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*227.05*	
		For Backdraft Damper, Add	*194.43*	
		For Damper Motor, Add	*280.17*	
23 34 16 00-0120	EA	18" Diameter Wheel, 1/2 HP , 3,243 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	3,358.95	220.37
		For Bird Screen, Add	*116.14*	
		For Wall Mounted Fan, Add	*134.36*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*248.05*	
		For Damper Motor, Add	*280.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0121	EA	18" Diameter Wheel, 1 HP , 4,223 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	3,612.34	220.37
		For Bird Screen, Add	*116.14*	
		For Wall Mounted Fan, Add	*144.49*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*269.59*	
		For Damper Motor, Add	*280.17*	
23 34 16 00-0122	EA	20" Diameter Wheel, 3/4 HP, 4,438 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	3,671.30	235.06
		For Bird Screen, Add	*116.14*	
		For Wall Mounted Fan, Add	*146.85*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*272.10*	
		For Damper Motor, Add	*280.17*	
23 34 16 00-0123	EA	20" Diameter Wheel, 2 HP, 6,450 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	4,028.16	235.06
		For Bird Screen, Add	*116.14*	
		For Wall Mounted Fan, Add	*161.13*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*302.43*	
		For Damper Motor, Add	*280.17*	
23 34 16 00-0124	EA	24" Diameter Wheel, 3/4 HP, 5,460 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	4,640.16	264.44
		For Bird Screen, Add	*137.25*	
		For Wall Mounted Fan, Add	*185.61*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*349.46*	
		For Damper Motor, Add	*280.17*	
23 34 16 00-0125	EA	24" Diameter Wheel, 2 HP, 7,985 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	4,967.45	264.44
		For Bird Screen, Add	*137.25*	
		For Wall Mounted Fan, Add	*198.70*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*377.28*	
		For Damper Motor, Add	*280.17*	
23 34 16 00-0126	EA	30" Diameter Wheel, 3/4 HP, 7,771 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	5,889.87	293.82
		For Bird Screen, Add	*147.81*	
		For Wall Mounted Fan, Add	*235.59*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*450.69*	
		For Damper Motor, Add	*280.17*	
23 34 16 00-0127	EA	30" Diameter Wheel, 2 HP, 10,192 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	5,997.56	293.82
		For Bird Screen, Add	*147.81*	
		For Wall Mounted Fan, Add	*239.90*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*459.84*	
		For Damper Motor, Add	*280.17*	
23 34 16 00-0128	EA	30" Diameter Wheel, 3 HP, 11,903 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	6,544.46	293.82
		For Bird Screen, Add	*147.81*	
		For Wall Mounted Fan, Add	*261.78*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*506.33*	
		For Damper Motor, Add	*280.17*	
23 34 16 00-0129	EA	30" Diameter Wheel, 5 HP, 14,266 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	6,808.41	293.82
		For Bird Screen, Add	*147.81*	
		For Wall Mounted Fan, Add	*272.34*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*528.77*	
		For Damper Motor, Add	*280.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0130	EA	36" Diameter Wheel, 3 HP , 14,769 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	7,496.75	323.20
		For Bird Screen, Add	*168.93*	
		For Wall Mounted Fan, Add	*299.87*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*582.28*	
		For Damper Motor, Add	*280.17*	
		For Backdraft Damper, Add	*345.42*	
23 34 16 00-0131	EA	36" Diameter Wheel, 5 HP , 17,884 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	7,800.29	323.20
		For Bird Screen, Add	*168.93*	
		For Wall Mounted Fan, Add	*312.01*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*608.08*	
		For Damper Motor, Add	*280.17*	
		For Backdraft Damper, Add	*345.42*	
23 34 16 00-0132	EA	42" Diameter Wheel, 3 HP , 17,316 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 230/460/60/3. Includes bird screen, heat baffle, grease baffle and disconnect switch.	7,867.56	352.58
		For Bird Screen, Add	*168.93*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*608.81*	
		For Damper Motor, Add	*280.17*	
		For Backdraft Damper, Add	*401.95*	
23 34 16 00-0133	EA	42" Diameter Wheel, 7-1/2 HP , 24,604 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 230/460/60/3. Includes bird screen, heat baffle, grease baffle and disconnect switch.	8,533.98	352.58
		For Bird Screen, Add	*168.93*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*665.45*	
		For Damper Motor, Add	*280.17*	
		For Backdraft Damper, Add	*401.95*	

23 34 16 00-0134 Untempered Kitchen Make-Up Air Fans *(23 34 16 00-0108)*

Note: Roof mounted with downblast discharge, weatherhood and filter.

23 34 16 00-0135 Direct Drive Kitchen Make-Up Air Fans *(23 34 16 00-0134)*

23 34 16 00-0136	EA	7" Diameter Wheel, 1/2 HP Direct Drive, Kitchen Make-Up Air Fan Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,610.98	152.78
		For Extended Weatherhood, Add	*272.17*	
23 34 16 00-0137	EA	8" Diameter Wheel, 1 HP Direct Drive, Kitchen Make-Up Air Fan Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,693.63	152.78
		For Extended Weatherhood, Add	*284.57*	
23 34 16 00-0138	EA	9" Diameter Wheel, 1 HP Direct Drive, Kitchen Make-Up Air Fan Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,795.05	152.78
		For Extended Weatherhood, Add	*299.78*	

23 34 16 00-0139 Belt Drive Kitchen Make-Up Air Fans *(23 34 16 00-0134)*

23 34 16 00-0140	EA	9" Diameter Wheel, 1/2 HP Belt Drive, Kitchen Make-Up Air Fan Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,834.39	152.78
		For Extended Weatherhood, Add	*305.69*	
23 34 16 00-0141	EA	10" Diameter Wheel, 1-1/2 HP Belt Drive, Kitchen Make-Up Air Fan Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	2,052.85	205.68
		For Extended Weatherhood, Add	*349.06*	
23 34 16 00-0142	EA	12" Diameter Wheel, 2 HP Belt Drive, Kitchen Make-Up Air Fan Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	2,476.13	235.06
		For Extended Weatherhood, Add	*418.43*	
23 34 16 00-0143	EA	15" Diameter Wheel, 3 HP Belt Drive, Kitchen Make-Up Air Fan Note: 230/460/60/3. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	2,868.17	293.82
		For Extended Weatherhood, Add	*488.99*	
23 34 16 00-0144	EA	18" Diameter Wheel, 5 HP Belt Drive, Kitchen Make-Up Air Fan Note: 230/460/60/3. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	3,471.30	352.58
		For Extended Weatherhood, Add	*591.21*	

23 34 16 00-0145 Replacement Parts *(23 34 16 00-0001)*

23 34 16 00-0146 Replace Belts And Accessories *(23 34 16 00-0145)*

23 34 16 00-0147	EA	Fan Shaft Bearing, Replacement	869.07	384.92
23 34 16 00-0148	EA	Fan Belt, Replacement	144.16	52.20

23 34 16 00-0149 Corrosive Fume Resistant Plastic *(23 34 16 00-0001)*

23 34 16 00-0150 Centrifugal Roof Ventilators, Belt Drive, 1/4" Static Pressure *(23 34 16 00-0149)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0151	EA	250 CFM, 1/4 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	6,504.47	212.09
		For Explosion Proof Motor, Add	*912.05*	
23 34 16 00-0152	EA	895 CFM, 1/3 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	7,063.62	254.77
		For Explosion Proof Motor, Add	*983.11*	
23 34 16 00-0153	EA	1,630 CFM, 1/2 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	8,375.47	318.46
		For Explosion Proof Motor, Add	*1,160.78*	
23 34 16 00-0154	EA	2,240 CFM, 1 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	8,983.11	424.82
		For Explosion Proof Motor, Add	*1,220.01*	
23 34 16 00-0155	EA	3,810 CFM, 2 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	10,275.82	636.91
		For Explosion Proof Motor, Add	*1,350.30*	
23 34 16 00-0156	EA	11,760 CFM, 5 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	17,708.92	1,273.82
		For Explosion Proof Motor, Add	*2,274.19*	
23 34 16 00-0157	EA	18,810 CFM, 10 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	25,830.95	1,820.93
		For Explosion Proof Motor, Add	*3,328.37*	

23 34 16 00-0158 Utility Set, Centrifugal, Belt Drive *(23 34 16 00-0149)*

23 34 16 00-0159	EA	1,200 CFM, 1/4 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	6,504.47	212.09
		For Explosion Proof Motor, Add	*912.05*	
23 34 16 00-0160	EA	1,520 CFM, 1/3 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	6,668.79	254.77
		For Explosion Proof Motor, Add	*923.89*	
23 34 16 00-0161	EA	1,850 CFM, 1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	6,796.17	318.46
		For Explosion Proof Motor, Add	*923.89*	
23 34 16 00-0162	EA	2,180 CFM, 3/4 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	7,008.99	424.82
		For Explosion Proof Motor, Add	*923.89*	
23 34 16 00-0163	EA	3,600 CFM, 1 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	9,644.10	636.91
		For Explosion Proof Motor, Add	*1,255.54*	
23 34 16 00-0164	EA	4,250 CFM, 1-1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	9,962.57	796.14
		For Explosion Proof Motor, Add	*1,255.54*	
23 34 16 00-0165	EA	4,800 CFM, 2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	10,192.35	911.04
		For Explosion Proof Motor, Add	*1,255.54*	
23 34 16 00-0166	EA	6,920 CFM, 5 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	10,438.96	955.37
		For Explosion Proof Motor, Add	*1,279.23*	
23 34 16 00-0167	EA	7,700 CFM, 7-1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	10,730.22	1,061.48
		For Explosion Proof Motor, Add	*1,291.08*	

23 34 16 00-0168 In-Line Duct Fans *(23 34 16 00-0001)*

23 34 16 00-0169 Direct Drive In-Line Duct Fans *(23 34 16 00-0168)*

Note: Greenheck SQ.

23 34 16 00-0170	EA	Up To 10" Wheel Diameter, 1/16 HP Direct Drive, In Line Duct Fan Note: 115V. Includes disconnect switch.	1,662.75	152.78
23 34 16 00-0171	EA	13" Wheel Diameter, 1/6 HP Direct Drive, In Line Duct Fan Note: 115V. Includes disconnect switch.	2,128.33	164.54
23 34 16 00-0172	EA	14" Wheel Diameter, 1/3 HP Direct Drive, In Line Duct Fan Note: 115V. Includes disconnect switch.	2,334.30	176.29

23 34 16 00-0173 Belt Drive In-Line Duct Fans *(23 34 16 00-0168)*

Note: Greenheck BSQ.

23 34 16 00-0174	EA	Up To 12" Wheel Diameter, 1/4 HP Belt Drive, In Line Duct Fan Note: 115/208-230/60/1. Includes disconnect switch.	2,439.85	176.29
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0175	EA	13" Or 14" Wheel Diameter, 1/4 HP Belt Drive, In Line Duct Fan Note: 115/208-230/60/1. Includes disconnect switch.	2,803.86	205.68
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0176	EA	13" Or 14" Wheel Diameter, 3/4 HP Belt Drive, In Line Duct Fan Note: 115/208-230/60/1. Includes disconnect switch.	3,156.13	205.68
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0177	EA	13" Or 14" Wheel Diameter, 1-1/2 HP Belt Drive, In Line Duct Fan Note: 115/208-230/60/1. Includes disconnect switch.	3,455.62	205.68
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0178	EA	16" Or 18" Wheel Diameter, 1/3 HP Belt Drive, In Line Duct Fan Note: 115/208-230/60/1. Includes disconnect switch.	3,361.78	235.06
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0179	EA	16" Or 18" Wheel Diameter, 1-1/2 HP Belt Drive, In Line Duct Fan Note: 115/208-230/60/1. Includes disconnect switch.	3,868.97	235.06
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0180	EA	24" Wheel Diameter, 1 HP Belt Drive, In Line Duct Fan Note: 115/208-230/60/1. Includes disconnect switch.	4,923.98	293.82
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0181	EA	24" Wheel Diameter, 3 HP Belt Drive, In Line Duct Fan Note: 230/460/60/3. Includes disconnect switch.	5,203.97	293.82
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0182	EA	24" Wheel Diameter, 5 HP Belt Drive, In Line Duct Fan Note: Belt drive. 230/460/60/3. Includes disconnect switch.	5,401.34	293.82
		For Totally Enclosed Motor, Add	*85.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0183	EA	30 Or 36" Wheel Diameter, 3 HP Belt Drive, In Line Duct Fan Note: 230/460/60/3. Includes disconnect switch.	6,245.33	352.58
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0184	EA	30 Or 36" Wheel Diameter, 5 HP Belt Drive, In Line Duct Fan Note: 230/460/60/3. Includes disconnect switch.	6,480.90	352.58
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0185	EA	30 Or 36" Wheel Diameter, 7-1/2 HP Belt Drive, In Line Duct Fan Note: 230/460/60/3. Includes disconnect switch.	6,770.39	352.58
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0186		**Bathroom Exhaust Fan, Low Profile** *(23 34 16 00-0001)*		
23 34 16 00-0187	EA	35 To 89 CFM, Ceiling Mounted, Low Profile, Bathroom Exhaust Fan (Greenheck SP-B70)	287.64	50.51
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0188	EA	46 To 94 CFM, Ceiling Mounted, Low Profile, Bathroom Exhaust Fan (Greenheck SP-B80)	287.64	50.51
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0189	EA	50 To 133 CFM, Ceiling Mounted, Low Profile, Bathroom Exhaust Fan (Greenheck SP-B110)	309.58	50.51
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0190		**Centrifugal Upblast Exhaust Fan** *(23 34 16 00-0001)*		
23 34 16 00-0191	EA	65 To 133 CFM, Direct Drive, 1/10 HP, Centrifugal Roof Exhaust Fan (Greenheck CUE-060-VG)	1,494.72	258.21
23 34 16 00-0192	EA	143 To 250 CFM, Direct Drive, 1/10 HP, Centrifugal Roof Exhaust Fan (Greenheck CUE-070-VG)	1,590.62	258.21
23 34 16 00-0193	EA	133 To 325 CFM, Direct Drive, 1/10 HP, Centrifugal Roof Exhaust Fan (Greenheck CUE-080-VG)	1,642.45	267.96
23 34 16 00-0194	EA	204 To 549 CFM, Direct Drive, 1/10 HP, Centrifugal Roof Exhaust Fan (Greenheck CUE-090-VG)	1,704.31	267.96
23 34 16 00-0195		**Centrifugal In-Line Fans** *(23 34 16 00-0001)*		
23 34 16 00-0196	EA	419 - 766 CFM, 115 V, Direct Drive In-Line Exhaust Fan (Greenheck CSP-A700-QD)	928.73	114.59
23 34 16 00-0197		**In-Line Cabinet Fans** *(23 34 16 00-0001)*		
23 34 16 00-0198	EA	77 - 124 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	523.94	102.83
23 34 16 00-0199	EA	91 - 138 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	523.94	102.83
23 34 16 00-0200	EA	82 - 266 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	595.79	108.71
23 34 16 00-0201	EA	281 - 412 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	659.82	108.71
23 34 16 00-0202	EA	190 CFM, 115 Volt, Direct Drive Cabinet Fan	834.71	108.71
23 34 16 00-0203	EA	217 - 447 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	688.40	108.71
23 34 16 00-0204	EA	325 - 545 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	788.90	108.71
23 34 16 00-0205	EA	250 - 545 CFM, 115 Volt, 1/6 HP, Direct Drive In-Line Cabinet Fan	1,498.29	108.71
23 34 16 00-0206	EA	419 - 766 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	928.73	114.59
23 34 16 00-0207	EA	334 - 737 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	944.50	114.59
23 34 16 00-0208	EA	350 - 737 CFM, 120 Volt, 1/4 HP, Direct Drive In-Line Cabinet Fan	1,559.32	114.59
23 34 16 00-0209	EA	527 - 813 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	944.50	114.59
23 34 16 00-0210	EA	631 - 908 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	1,274.56	114.59
23 34 16 00-0211	EA	752 - 1244 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	1,274.56	114.59
23 34 16 00-0212	EA	1043 - 1584 CFM, 115 Volt, 1/3 HP, Direct Drive In-Line Cabinet Fan	1,274.56	114.59
23 34 16 00-0213	EA	999 - 1672 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	1,384.92	114.59
23 34 16 00-0214		**Propeller And Ceiling Fans** *(23 34 16)*		
23 34 16 00-0215		**Direct Drive, Sidewall Propeller Exhaust Fan** *(23 34 16 00-0214)* Note: Greenheck SE1.		
23 34 16 00-0216	EA	1/25 HP, 307 CFM At 1/8" Static Pressure, 8" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan Note: Includes motor side guard.	733.89	125.75
		For Backdraft Damper, Add	*199.91*	
		For Wall Mount Collar, Add	*287.00*	
23 34 16 00-0217	EA	1/12 HP, 763 CFM At 1/8" Static Pressure, 10" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan Note: Includes motor side guard.	776.87	139.86
		For Backdraft Damper, Add	*214.45*	
		For Wall Mount Collar, Add	*287.00*	
23 34 16 00-0218	EA	1/8 HP, 1,149 CFM At 1/8" Static Pressure, 12" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan Note: Includes motor side guard.	860.22	155.13
		For Backdraft Damper, Add	*234.77*	
		For Wall Mount Collar, Add	*294.51*	
23 34 16 00-0219	EA	1/6 HP, 1,350 CFM At 1/8" Static Pressure, 14" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan	1,261.73	171.59
		For Backdraft Damper, Add	*281.09*	
		For Wall Mount Collar, Add	*299.91*	
		For Motor Side Guard, Add	*248.25*	
23 34 16 00-0220	EA	1/6 HP, 2,012 CFM At 1/8" Static Pressure, 16" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan	1,057.40	190.39
		For Backdraft Damper, Add	*281.09*	
		For Wall Mount Collar, Add	*307.42*	
		For Motor Side Guard, Add	*264.21*	
23 34 16 00-0221	EA	1/4 HP, 2,908 CFM At 1/8" Static Pressure, 18" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan	1,187.51	211.55
		For Backdraft Damper, Add	*341.84*	
		For Wall Mount Collar, Add	*314.92*	
		For Motor Side Guard, Add	*280.17*	
23 34 16 00-0222	EA	1/3 HP, 3,974 CFM At 1/8" Static Pressure, 20" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan	1,352.60	235.06
		For Backdraft Damper, Add	*341.84*	
		For Wall Mount Collar, Add	*320.33*	
		For Motor Side Guard, Add	*302.45*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0223		**Belt Drive Propeller Exhaust Fans** *(23 34 16 00-0214)*		
		Note: Wall shutter 1/8" static pressure, with bird screen.		
23 34 16 00-0224	EA	24" Propeller Exhaust Fan, V-Belt Drive, 5,795 CFM, 1/2 HP, With Wall Shutter	2,570.62	336.13
23 34 16 00-0225	EA	30" Propeller Exhaust Fan, V-Belt Drive, 9,060 CFM, 3/4 HP, With Wall Shutter	2,943.56	391.37
23 34 16 00-0226	EA	36" Propeller Exhaust Fan, V-Belt Drive, 11,850 CFM, 1 HP, With Wall Shutter	3,337.09	470.11
23 34 16 00-0227	EA	42" Propeller Exhaust Fan, V-Belt Drive, 17,400 CFM, 1-1/2 HP, With Wall Shutter	4,651.78	587.64
23 34 16 00-0228	EA	48" Propeller Exhaust Fan, V-Belt Drive, 19,870 CFM, 1-1/2 HP, With Wall Shutter	5,542.91	783.90
23 34 16 00-0229	EA	54" Propeller Exhaust Fan, V-Belt Drive, 26,000 CFM, 2 HP, With Wall Shutter	7,692.11	1,175.27
23 34 16 00-0230	EA	60" Propeller Exhaust Fan, V-Belt Drive, 35,120 CFM, 3 HP, With Wall Shutter	9,225.16	1,506.69
23 34 16 00-0231		**Propeller Exhaust Fan Accessories** *(23 34 16 00-0214)*		
23 34 16 00-0232	SF	Hinged Mesh Screen For Wall Propeller Fans, 1" x 1" Frame (SF Of Fan Opening)	131.87	
23 34 16 00-0233	SF	Galvanized Weather Hood For Wall Propeller Fan (SF Of Fan Opening)	304.14	
23 34 16 00-0234		**Reversible Ceiling Fans** *(23 34 16 00-0214)*		
23 34 16 00-0235		**4 Blade Ceiling Fans** *(23 34 16 00-0234)*		
23 34 16 00-0236	EA	42" 4-Blade Ceiling Fan, Three Speed	600.84	62.50
		For Brass Plated Motor, Add	*20.25*	
		For Light Kit, Add	*26.04*	
23 34 16 00-0237		**5 Blade Ceiling Fans** *(23 34 16 00-0234)*		
23 34 16 00-0238	EA	42" 5-Blade Ceiling Fan, Three Speed	657.84	154.67
		For Brass Plated Motor, Add	*20.25*	
		For Light Kit, Add	*26.10*	
23 34 16 00-0239	EA	52" 5-Blade Ceiling Fan, Three Speed	751.38	154.67
		For Brass Plated Motor, Add	*20.25*	
		For Light Kit, Add	*26.23*	
23 34 16 00-0240		**3 Blade Weatherproof Ceiling Fans** *(23 34 16 00-0234)*		
23 34 16 00-0241	EA	3-Blade Ceiling Fan, Weatherproof, Three Speed	618.28	58.18
23 34 16 00-0242		**Ceiling Fan Down Rod** *(23 34 16 00-0234)*		
23 34 16 00-0243	EA	1' Ceiling Fan Down Rod	23.96	
23 34 16 00-0244	EA	1-1/2' Ceiling Fan Down Rod	31.64	
23 34 16 00-0245	EA	2' Ceiling Fan Down Rod	35.48	
23 34 16 00-0246	EA	3' Ceiling Fan Down Rod	47.84	
23 34 16 00-0247	EA	4' Ceiling Fan Down Rod	55.95	
23 34 16 00-0248	EA	5' Ceiling Fan Down Rod	68.87	
23 34 16 00-0249	EA	6' Ceiling Fan Down Rod	86.28	
23 34 16 00-0250		**Exhaust Fans** *(23 34 16)*		
23 34 16 00-0251		**Exhaust Fans** *(23 34 16 00-0250)*		
		Note: Excludes ducting.		
23 34 16 00-0252		**Light Duty Exhaust Fans** *(23 34 16 00-0251)*		
23 34 16 00-0253		**Light Duty Exhaust Fans** *(23 34 16 00-0252)*		
23 34 16 00-0254	EA	50 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan Without Light (Broan® 670)	156.10	50.51
23 34 16 00-0255	EA	70 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan Without Light (Broan® 671)	165.31	50.51
23 34 16 00-0256	EA	180 CFM, Ceiling Mounted, Polymeric Intake Grille, Vertical Discharge, Light Duty Exhaust Fan Without Light (Broan® 505)	275.77	50.51
23 34 16 00-0257	EA	350 CFM, Ceiling Mounted, Polymeric Intake Grille, Vertical Discharge, Light Duty Exhaust Fan Without Light (Broan® 504)	349.64	50.51
23 34 16 00-0258	EA	160 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Side Discharge, Light Duty Exhaust Fan Without Light (Broan® 503)	312.14	50.51
23 34 16 00-0259	EA	270 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Side Discharge, Light Duty Exhaust Fan Without Light (Broan® 502)	417.03	50.51
23 34 16 00-0260		**Light Duty Exhaust Fans With Lights** *(23 34 16 00-0252)*		
23 34 16 00-0261	EA	50 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 678)	205.32	50.51
23 34 16 00-0262	EA	70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 679)	228.37	50.51
23 34 16 00-0263	EA	100 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 680)	431.11	50.51
23 34 16 00-0264		**Light Duty Exhaust Fans With Heaters** *(23 34 16 00-0252)*		
23 34 16 00-0265	EA	70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater Bulb (Broan® 162)	210.31	50.51
23 34 16 00-0266	EA	70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater (Broan® 658)	336.72	50.51
23 34 16 00-0267		**Light Duty Exhaust Fans With Heaters And Lights** *(23 34 16 00-0252)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0268	EA	70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater And Light (Broan® 655)	358.63	50.51
23 34 16 00-0269	EA	100 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater And Light (Broan® 100HL)	546.78	50.51
23 34 16 00-0270		**Heavy-Duty/Continuous Operation Exhaust Fans** *(23 34 16 00-0251)*		
23 34 16 00-0271		**Heavy-Duty/Continuous Operation Exhaust Fans** *(23 34 16 00-0270)*		
		Note: Includes enamel steel or aluminum grille.		
23 34 16 00-0272	EA	50 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® HD50)	245.12	50.51
23 34 16 00-0273	EA	80 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® HD80)	271.54	50.51
23 34 16 00-0274	EA	109 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L100MG)	500.21	50.51
23 34 16 00-0275	EA	157 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L150MG)	512.46	50.51
23 34 16 00-0276	EA	210 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L200MG)	550.57	50.51
23 34 16 00-0277	EA	259 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L250MG)	574.92	50.51
23 34 16 00-0278	EA	308 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L300MG)	584.35	50.51
23 34 16 00-0279	EA	434 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L400)	669.42	50.51
23 34 16 00-0280	EA	514 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L500)	763.25	50.51
23 34 16 00-0281	EA	701 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L700)	816.69	50.51
23 34 16 00-0282	EA	901 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L900)	972.82	50.51
23 34 16 00-0283	EA	1,513 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L1500)	1,250.94	50.51
23 34 16 00-0284		**Heavy-Duty/Continuous Operation Kitchen Exhaust Fans** *(23 34 16 00-0270)*		
		Note: Includes enamel steel or aluminum grille.		
23 34 16 00-0285	EA	308 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L300KMG)	519.59	50.51
23 34 16 00-0286	EA	434 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L400K)	756.23	50.51
23 34 16 00-0287	EA	514 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L500K)	800.06	50.51
23 34 16 00-0288		**Heavy-Duty/Continuous Operation Exhaust Fans With Lights** *(23 34 16 00-0270)*		
23 34 16 00-0289	EA	50 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan With Light (Broan® HD50L)	266.76	50.51
23 34 16 00-0290	EA	80 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan With Light (Broan® HD80L)	291.57	50.51
23 34 16 00-0291		**Fire Rated, Heavy-Duty/Continuous Operation Exhaust Fans** *(23 34 16 00-0270)*		
23 34 16 00-0292	EA	50 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® HD50RDF)	277.65	50.51
23 34 16 00-0293	EA	80 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® HD80RDF)	294.08	50.51
23 34 16 00-0294	EA	110 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® 110RDF)	302.01	50.51
23 34 16 00-0295		**Low Sound, Direct Drive, Centrifugal Ceiling Exhaust Fans** *(23 34 16 00-0251)*		
23 34 16 00-0296	EA	900 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A900)	1,343.19	50.51
23 34 16 00-0297	EA	1050 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1050)	1,343.19	50.51
23 34 16 00-0298	EA	1410 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1410)	1,343.19	50.51
23 34 16 00-0299	EA	1550 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1550)	1,474.41	50.51
23 34 16 00-0300		**Room-To-Room Exhaust Fans** *(23 34 16 00-0251)*		
23 34 16 00-0301	EA	90 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 512)	199.11	50.51
23 34 16 00-0302	EA	180 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 511)	333.28	50.51
23 34 16 00-0303	EA	380 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 510)	382.17	50.51
23 34 16 00-0304		**Through-Wall Exhaust Fans** *(23 34 16 00-0251)*		
23 34 16 00-0305	EA	250 CFM, Wall Mounted, Polymeric Intake Grille, Chain Operated, Through Wall Exhaust Fan (Broan® 507)	356.61	50.51
23 34 16 00-0306	EA	470 CFM, Wall Mounted, Polymeric Intake Grille, Chain Operated, Through Wall Exhaust Fan (Broan® 506)	424.00	50.51
23 34 16 00-0307	EA	180 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan (Broan® 509)	310.28	50.51
23 34 16 00-0308	EA	270 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan (Broan® 508)	417.03	50.51
23 34 16 00-0309	EA	360 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan With Motorized Door (Broan® 12C)	733.04	50.51

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0310		Exhaust Fan Accessories *(23 34 16 00-0251)*		
23 34 16 00-0311		Exhaust Fan Controls *(23 34 16 00-0310)*		
23 34 16 00-0312	EA	Electronic Variable Speed Control Dial, Single Gang, Exhaust Fan Controls (Broan® 57)	195.58	31.57
23 34 16 00-0313	EA	60-Minute Time Control Dial, Single Gang, Exhaust Fan Controls (Broan® 59)	135.98	31.57
23 34 16 00-0314	EA	60-Minute Time Control Dial With Rocker Switch, Double Gang, Exhaust Fan Controls (Broan® 61)	137.39	31.57
23 34 16 00-0315		Roof And Wall Caps For Exhaust Fans *(23 34 16 00-0310)*		
23 34 16 00-0316		Wall Caps For Exhaust Fans *(23 34 16 00-0315)*		
23 34 16 00-0317	EA	Aluminum Wall Cap For Up To 12" Duct, Installed On Exterior Walls (Broan® 613)	311.71	63.81
23 34 16 00-0318	EA	Aluminum Wall Cap For Up To 18" Duct, Installed On Exterior Walls (Broan® 643)	316.41	63.81
23 34 16 00-0319		Roof Caps For Exhaust Fans *(23 34 16 00-0315)*		
		Note: Includes flashing and built in bird screen.		
23 34 16 00-0320	EA	Aluminum Roof Cap For Up To 8" Duct, Installed On Flat Roofs (Broan® 611)	263.29	63.81
23 34 16 00-0321	EA	Aluminum Roof Cap For Up To 12" Duct, Installed On Flat Roofs (Broan® 612)	385.14	63.81
23 34 16 00-0322	EA	CRCQ Steel Roof Cap For Up To 4" Duct, Installed On Sloped Roofs (Broan® 636)	169.62	63.81
23 34 16 00-0323	EA	CRCQ Steel Roof Cap For Up To 8" Duct, Installed On Sloped Roofs (Broan® 634)	206.17	63.81
23 34 16 00-0324		Removal And Reinstallation Of Light Duty Ceiling Exhaust Fan *(23 34 16 00-0251)*		
		Note: Includes storage and cleaning.		
23 34 16 00-0325	EA	Removal And Reinstallation Of Light Duty Ceiling Exhaust Fan	88.14	
23 34 23		**HVAC Power Ventilators** *(23 34)*		
23 34 23 00-0001		Power Roof Ventilators *(23 34 23)*		
23 34 23 00-0002		Direct Drive, Aluminum, Centrifugal Roof Exhausters *(23 34 23 00-0001)*		
		Note: Greenheck G.		
23 34 23 00-0003	EA	1/25 HP, 310 CFM At 1/4" Static Pressure, 17" x 17" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	640.73	168.06
		Note: Three speed motor.		
		For 12" Roof Curb, Add	*223.10*	
		For Backdraft Damper, Add	*159.56*	
		For Solid State Speed Control, Add	*116.69*	
		For Damper Motor, Add	*280.17*	
23 34 23 00-0004	EA	1/8 HP, 863 CFM At 1/4" Static Pressure, 17" x 17" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	700.83	190.39
		Note: Three speed motor.		
		For 12" Roof Curb, Add	*223.10*	
		For Backdraft Damper, Add	*159.56*	
		For Solid State Speed Control, Add	*116.69*	
		For Damper Motor, Add	*280.17*	
23 34 23 00-0005	EA	1/6 HP, 1,213 CFM At 1/4" Static Pressure, 19" x 19" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	998.40	222.13
		For 12" Roof Curb, Add	*229.43*	
		For Backdraft Damper, Add	*171.22*	
		For Solid State Speed Control, Add	*116.69*	
		For Damper Motor, Add	*280.17*	
23 34 23 00-0006	EA	1/4 HP, 1,374 CFM At 1/4" Static Pressure, 19" x 19" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	1,029.48	250.33
		For 12" Roof Curb, Add	*229.43*	
		For Backdraft Damper, Add	*171.22*	
		For Solid State Speed Control, Add	*116.69*	
		For Damper Motor, Add	*280.17*	
23 34 23 00-0007	EA	1/3 HP, 1,905 CFM At 1/4" Static Pressure, 22" x 22" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	1,320.37	276.19
		For Solid State Speed Control, Add	*116.69*	
		For Damper Motor, Add	*280.17*	
23 34 23 00-0008	EA	1/2 HP, 3,072 CFM At 1/4" Static Pressure, 22" x 22" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	1,497.56	293.82
		For 12" Roof Curb, Add	*239.99*	
		For Backdraft Damper, Add	*194.43*	
		For Solid State Speed Control, Add	*182.15*	
		For Damper Motor, Add	*280.17*	
23 34 23 00-0009		Belt Drive, Aluminum, Centrifugal Roof Exhausters *(23 34 23 00-0001)*		
		Note: Greenheck GB.		
23 34 23 00-0010	EA	1/4 HP, 1,556 CFM At 1/4" Static Pressure, 19" x 19" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	1,480.89	299.21
		For 12" Roof Curb, Add	*229.43*	
		For Backdraft Damper, Add	*171.22*	
		For Damper Motor, Add	*280.17*	
23 34 23 00-0011	EA	1/3 HP, 1,966 CFM At 1/4" Static Pressure, 22" x 22" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	1,614.64	317.64
		For 12" Roof Curb, Add	*239.99*	
		For Backdraft Damper, Add	*194.43*	
		For Damper Motor, Add	*280.17*	
23 34 23 00-0012	EA	1/2 HP, 2,943 CFM At 1/4" Static Pressure, 22" x 22" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	2,184.15	379.62
		For 12" Roof Curb, Add	*239.99*	
		For Backdraft Damper, Add	*194.43*	
		For Damper Motor, Add	*280.17*	
23 34 23 00-0013	EA	3/4 HP, 4,289 CFM At 1/4" Static Pressure, 30" x 30" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	2,785.42	470.11
		For Damper Motor, Add	*280.17*	
23 34 23 00-0014	EA	1 HP, 6,157 CFM At 1/4" Static Pressure, 34" x 34" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	3,672.87	587.64
		For Damper Motor, Add	*280.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 23 00-0015	EA	1-1/2 HP, 8,906 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	5,947.79	734.54
		For Damper Motor, Add	*280.17*	
23 34 23 00-0016	EA	2 HP, 10,059 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	5,998.47	734.54
		For Damper Motor, Add	*280.17*	
23 34 23 00-0017	EA	3 HP, 11,703 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	6,545.38	734.54
		For Damper Motor, Add	*280.17*	
23 34 23 00-0018	EA	5 HP, 13,897 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	5,297.24	734.54
		For Damper Motor, Add	*280.17*	
23 34 23 00-0019		**Propeller Exhaust Fans, Roof Mounted Upblast** *(23 34 23 00-0001)*		
		Note: Includes back draft damper and bird screen and curb.		
23 34 23 00-0020	EA	30,300 CFM Belt Drive 5 HP Propeller Exhaust Fan, Roof Mounted, 3/8" Static Pressure	8,752.71	903.78
23 34 23 00-0021	EA	36,000 CFM Belt Drive 15 HP Propeller Exhaust Fan, Roof Mounted, 1/2" Static Pressure	14,397.43	1,174.92
23 34 23 00-0022		**Belt Drive Supply Fans** *(23 34 23 00-0001)*		
23 34 23 00-0023	EA	4,500 CFM, 24" x 24" Supply Fan, Roof Mounted	3,438.69	469.29
23 34 23 00-0024	EA	10,000 CFM, 36" x 36" Supply Fan, Roof Mounted	4,655.67	587.52
23 34 23 00-0025		**Fan Thermostat** *(23 34 23 00-0001)*		
23 34 23 00-0026	EA	50 To 120 Degree Line Voltage Fan Thermostat	150.99	
23 34 23 00-0027		**Solar Attic Fan** *(23 34 23 00-0001)*		
		Note: Excludes ductwork (if necessary), roof cutting or patching.		
23 34 23 00-0028	EA	Up To 1,400 CFM Self-Flashing Solar Attic Fan, 20 Watt Solar Panel (Attic Breeze AB-2022A-BRN)	1,605.36	250.33
23 34 23 00-0029		**Power Wall Ventilators** *(23 34 23)*		
23 34 23 00-0030		**Centrifugal Sidewall Exhausters** *(23 34 23 00-0029)*		
23 34 23 00-0031		**Direct Drive, Aluminum, Centrifugal Sidewall Exhauster** *(23 34 23 00-0030)*		
		Note: Greenheck CW.		
23 34 23 00-0032	EA	1/25 HP, 297 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster	843.83	189.21
		For Solid State Speed Control, Add	*182.15*	
		For Backdraft Damper, Add	*222.92*	
		For Damper Motor, Add	*483.38*	
		For Interior Wall Grill, Add	*138.45*	
23 34 23 00-0033	EA	1/8 HP, 861 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster	968.75	222.13
		For Solid State Speed Control, Add	*182.15*	
		For Backdraft Damper, Add	*246.13*	
		For Damper Motor, Add	*483.38*	
		For Interior Wall Grill, Add	*164.97*	
23 34 23 00-0034	EA	1/6 HP, 1,179 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster	1,440.13	250.33
		For Solid State Speed Control, Add	*182.15*	
		For Backdraft Damper, Add	*278.00*	
		For Damper Motor, Add	*483.38*	
		For Interior Wall Grill, Add	*191.48*	
23 34 23 00-0035		**Belt Drive, Aluminum, Centrifugal Sidewall Exhausters** *(23 34 23 00-0030)*		
		Note: Greenheck CWB.		
23 34 23 00-0036	EA	1/4 HP, 1,633 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster	2,594.99	141.40
		For Solid State Speed Control, Add	*182.15*	
		For Backdraft Damper, Add	*256.68*	
		For Damper Motor, Add	*483.38*	
		For Interior Wall Grill, Add	*291.89*	
23 34 23 00-0037	EA	1/2 HP, 2,291 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster	2,740.47	159.23
		For Solid State Speed Control, Add	*182.15*	
		For Backdraft Damper, Add	*256.68*	
		For Damper Motor, Add	*483.38*	
		For Interior Wall Grill, Add	*291.89*	
23 34 23 00-0038	EA	3/4 HP, 3,646 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster	3,367.02	182.15
		For Solid State Speed Control, Add	*182.15*	
		For Backdraft Damper, Add	*322.47*	
		For Damper Motor, Add	*483.38*	
		For Interior Wall Grill, Add	*339.52*	

23 34 33 Air Curtains *(23 34)*

23 34 33 00-0001 Unheated Air Curtains For Entrances *(23 34 33)*

23 34 33 00-0002 Unheated Air Curtains, Standard Velocity *(23 34 33 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0003	EA	Air Curtain For 3' x 8' - 10' Personnel Entrance, Unheated	2,495.10	861.47
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*566.42*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*420.77*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*647.33*	
		For Flat Side Extension Plates, Add	*169.86*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*339.72*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*407.66*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*430.31*	
23 34 33 00-0004	EA	Air Curtain For 3.5' x 8' - 10' Personnel Entrance, Unheated	2,530.08	861.47
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*566.42*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*420.77*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*647.33*	
		For Flat Side Extension Plates, Add	*169.86*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*339.72*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*407.66*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*430.31*	
23 34 33 00-0005	EA	Air Curtain For 4' x 8' - 10' Personnel Entrance, Unheated	2,567.97	861.47
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*566.42*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*420.77*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*647.33*	
		For Flat Side Extension Plates, Add	*169.86*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*339.72*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*407.66*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*430.31*	
23 34 33 00-0006	EA	Air Curtain For 5' x 8' - 10' Personnel Entrance, Unheated	3,194.65	861.47
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*566.42*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*420.77*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*647.33*	
		For Flat Side Extension Plates, Add	*169.86*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*339.72*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*407.66*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*430.31*	
23 34 33 00-0007	EA	Air Curtain For 6' x 8' - 10' Personnel Entrance, Unheated	3,624.88	1,034.24
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*566.42*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*420.77*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*647.33*	
		For Flat Side Extension Plates, Add	*169.86*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*339.72*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*407.66*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*430.31*	
23 34 33 00-0008	EA	Air Curtain For 7' x 8' - 10' Personnel Entrance, Unheated	3,843.49	1,034.24
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*566.42*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*420.77*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*647.33*	
		For Flat Side Extension Plates, Add	*169.86*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*339.72*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*407.66*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*430.31*	
23 34 33 00-0009	EA	Air Curtain For 8' x 8' - 10' Personnel Entrance, Unheated	4,259.46	1,192.90
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*566.42*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*420.77*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*647.33*	
		For Flat Side Extension Plates, Add	*169.86*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*339.72*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*407.66*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*430.31*	
23 34 33 00-0010	EA	Air Curtain For 9' x 8' - 10' Personnel Entrance, Unheated	5,132.44	1,192.90
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*566.42*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*420.77*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*647.33*	
		For Flat Side Extension Plates, Add	*169.86*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*339.72*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*407.66*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*430.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0011	EA	Air Curtain For 10' x 8' - 10' Personnel Entrance, Unheated	5,243.20	1,192.90
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*566.42*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*420.77*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*647.33*	
		For Flat Side Extension Plates, Add	*169.86*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*339.72*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*407.66*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*430.31*	
23 34 33 00-0012	EA	Air Curtain For 12' x 8' - 10' Personnel Entrance, Unheated	5,537.60	1,192.90
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*566.42*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*420.77*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*647.33*	
		For Flat Side Extension Plates, Add	*169.86*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*339.72*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*407.66*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*430.31*	

23 34 33 00-0013 Unheated Air Curtains, High Velocity *(23 34 33 00-0001)*

23 34 33 00-0014	EA	High Velocity Air Curtain For 3' x 10' - 12' Entrance, Unheated	3,075.14	861.47
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*339.72*	
		For Flat Side Extension Plates, Add	*169.86*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*339.72*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*407.66*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*430.31*	
23 34 33 00-0015	EA	High Velocity Air Curtain For 3.5' x 10' - 12' Entrance, Unheated	3,120.32	861.47
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*339.72*	
		For Flat Side Extension Plates, Add	*169.86*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*339.72*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*407.66*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*430.31*	
23 34 33 00-0016	EA	High Velocity Air Curtain For 4' x 10' - 12' Entrance, Unheated	3,139.27	861.47
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*339.72*	
		For Flat Side Extension Plates, Add	*169.86*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*339.72*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*407.66*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*430.31*	
23 34 33 00-0017	EA	High Velocity Air Curtain For 5' x 10' - 12' Entrance, Unheated	3,175.70	861.47
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*339.72*	
		For Flat Side Extension Plates, Add	*169.86*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*339.72*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*407.66*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*430.31*	
23 34 33 00-0018	EA	High Velocity Air Curtain For 6' x 10' - 12' Entrance, Unheated	4,954.03	1,034.24
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*339.72*	
		For Flat Side Extension Plates, Add	*169.86*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*339.72*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*407.66*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*430.31*	
23 34 33 00-0019	EA	High Velocity Air Curtain For 7' x 10' - 12' Entrance, Unheated	5,178.47	1,034.24
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*339.72*	
		For Flat Side Extension Plates, Add	*169.86*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*339.72*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*407.66*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*430.31*	
23 34 33 00-0020	EA	High Velocity Air Curtain For 8' x 10' - 12' Entrance, Unheated	5,511.36	1,192.90
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*339.72*	
		For Flat Side Extension Plates, Add	*169.86*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*339.72*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*407.66*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*430.31*	
23 34 33 00-0021	EA	High Velocity Air Curtain For 9' x 10' - 12' Entrance, Unheated	6,288.16	1,192.90
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*339.72*	
		For Flat Side Extension Plates, Add	*169.86*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*339.72*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*407.66*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*430.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0022	EA	High Velocity Air Curtain For 10' x 10' - 12' Entrance, Unheated	6,369.77	1,192.90
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*339.72*	
		For Flat Side Extension Plates, Add	*169.86*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*339.72*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*407.66*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*430.31*	
23 34 33 00-0023	EA	High Velocity Air Curtain For 12' x 10' - 12' Entrance, Unheated	6,687.49	1,192.90
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*339.72*	
		For Flat Side Extension Plates, Add	*169.86*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*339.72*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*407.66*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*430.31*	
23 34 33 00-0024		**Service Window Unheated Air Curtains** *(23 34 33 00-0001)*		
		Note: Normal window sizes.		
23 34 33 00-0025	EA	Air Curtain For 2.5' x 5' Service Window, Unheated	2,256.04	679.31
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Flat Side Extension Plates, Add	*169.86*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*339.72*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*407.66*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*430.31*	
23 34 33 00-0026		**Heated Air Curtains For Entrances** *(23 34 33)*		
		Note: Includes housing, mounting brackets and manual controls.		
23 34 33 00-0027	EA	60" Heated Air Curtain With 1- 300 MBH Heater	4,202.12	758.64
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Flat Side Extension Plates, Add	*169.86*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*339.72*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*407.66*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*430.31*	
23 34 33 00-0028	EA	60" Heated Air Curtain With 1- 400 MBH Heater	4,560.05	758.64
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Flat Side Extension Plates, Add	*169.86*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*339.72*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*407.66*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*430.31*	
23 34 33 00-0029	EA	72" Heated Air Curtain With 1- 350 MBH Heater	5,041.79	910.25
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Flat Side Extension Plates, Add	*169.86*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*339.72*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*407.66*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*430.31*	
23 34 33 00-0030	EA	72" Heated Air Curtain With 2- 250 MBH Heaters	5,471.31	910.25
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Flat Side Extension Plates, Add	*169.86*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*339.72*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*407.66*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*430.31*	
23 34 33 00-0031	EA	96" Heated Air Curtain With 1- 400 MBH Heater	6,721.39	1,213.47
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Flat Side Extension Plates, Add	*169.86*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*339.72*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*407.66*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*430.31*	
23 34 33 00-0032	EA	96" Heated Air Curtain With 2- 350 MBH Heaters	7,294.08	1,213.47
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Flat Side Extension Plates, Add	*169.86*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*339.72*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*407.66*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*430.31*	
23 34 33 00-0033	EA	117" Heated Air Curtain With 2- 300 MBH Heaters	8,190.63	1,478.49
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Flat Side Extension Plates, Add	*169.86*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*339.72*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*407.66*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*430.31*	
23 34 33 00-0034	EA	117" Heated Air Curtain With 2- 400 MBH Heaters	8,888.60	1,478.49
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Flat Side Extension Plates, Add	*169.86*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*339.72*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*407.66*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*430.31*	
23 34 33 00-0035	EA	147" Heated Air Curtain With 2- 350 MBH Heaters	10,291.46	1,857.51
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Flat Side Extension Plates, Add	*169.86*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*339.72*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*407.66*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*430.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0036	EA	147" Heated Air Curtain With 3- 350 MBH Heaters	12,027.42	1,857.51
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Flat Side Extension Plates, Add	*169.86*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*339.72*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*407.66*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*430.31*	
23 34 33 00-0037	EA	168" Heated Air Curtain With 2- 400 MBH Heaters	11,762.43	2,123.13
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Flat Side Extension Plates, Add	*169.86*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*339.72*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*407.66*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*430.31*	
23 34 33 00-0038	EA	168" Heated Air Curtain With 3- 400 MBH Heaters	13,745.96	2,123.13
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Flat Side Extension Plates, Add	*169.86*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*339.72*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*407.66*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*430.31*	
23 34 33 00-0039	EA	192" Heated Air Curtain With 2- 400 MBH Heaters	13,438.78	2,426.34
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Flat Side Extension Plates, Add	*169.86*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*339.72*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*407.66*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*430.31*	
23 34 33 00-0040	EA	192" Heated Air Curtain With 4- 350 MBH Heaters	15,705.67	2,426.34
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Flat Side Extension Plates, Add	*169.86*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*339.72*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*407.66*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*430.31*	

23 34 39 High-Volume, Low-Speed Propeller Fans *(23 34)*

Note: (Air Destratification Fans)

23 34 39 00-0001 Variable Speed Ceiling Fans (Big Ass Fans® Basic 6®) *(23 34 39)*

23 34 39 00-0002	EA	8' Diameter, 6 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Basic 6®, 8')	9,777.17	940.22
23 34 39 00-0003	EA	10' Diameter, 6 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Basic 6®, 10')	9,986.52	998.98
23 34 39 00-0004	EA	12' Diameter, 6 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Basic 6®, 12')	10,195.87	1,057.74
23 34 39 00-0005	EA	14' Diameter, 6 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Basic 6®, 14')	10,389.91	1,116.51
23 34 39 00-0006	EA	16' Diameter, 6 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Basic 6®, 16')	10,599.27	1,175.27
23 34 39 00-0007	EA	18' Diameter, 6 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Basic 6®, 18')	10,808.61	1,234.03
23 34 39 00-0008	EA	20' Diameter, 6 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Basic 6®, 20')	11,017.96	1,292.80
23 34 39 00-0009	EA	24' Diameter, 6 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Basic 6®, 24')	11,212.01	1,351.56

23 34 39 00-0010 Variable Speed Ceiling Fans (Big Ass Fans® Powerfoil® 8) *(23 34 39)*

23 34 39 00-0011	EA	8' Diameter, 8 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Powerfoil® 8, PF8-08)	11,384.06	940.22
23 34 39 00-0012	EA	10' Diameter, 8 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Powerfoil® 8, PF8-10)	11,677.58	998.98
23 34 39 00-0013	EA	12' Diameter, 8 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Powerfoil® 8, PF8-12)	11,971.11	1,057.74
23 34 39 00-0014	EA	14' Diameter, 8 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Powerfoil® 8, PF8-14)	12,264.62	1,116.51
23 34 39 00-0015	EA	16' Diameter, 8 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Powerfoil® 8, PF8-16)	12,565.80	1,175.27
23 34 39 00-0016	EA	18' Diameter, 8 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Powerfoil® 8, PF8-18)	12,859.32	1,234.03
23 34 39 00-0017	EA	20' Diameter, 8 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Powerfoil® 8, PF8-20)	13,152.83	1,292.80
23 34 39 00-0018	EA	24' Diameter, 8 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Powerfoil® 8, PF8-24)	13,431.06	1,351.56

23 35 Special Exhaust Systems *(23 30)*

See CSI section 23 31 13 16-0075 for spiral duct/piping.

23 35 13 Dust Collection Systems *(23 35)*

23 35 13 13 Sawdust Collection Systems *(23 35 13)*

23 35 13 13-0001 Dust Collector System *(23 35 13 13)*

23 35 13 13-0002	EA	1.5 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.	4,673.91	1,019.06
23 35 13 13-0003	EA	2 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.	5,238.14	1,210.14
23 35 13 13-0004	EA	2-1/2 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.	6,294.83	1,401.21
23 35 13 13-0005	EA	3 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.	7,178.37	1,655.98
23 35 13 13-0006	EA	5 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.	15,133.71	1,869.13
23 35 13 13-0007	EA	7-1/2 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.	18,363.89	2,180.65
23 35 13 13-0008	EA	10 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.	21,035.39	2,492.17
23 35 13 13-0009	EA	15 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and two 55 gallon fiber drum dust bin.	23,650.93	2,865.99
23 35 13 13-0010	EA	20 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and two 55 gallon fiber drum dust bin.	26,389.56	3,239.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 35 13 13-0011		**Vacuum Tubing And Accessories** *(23 35 13 13)*		
23 35 13 13-0012		**Vacuum Tubing** *(23 35 13 13-0011)*		
23 35 13 13-0013		**Flexible Hose** *(23 35 13 13-0012)*		
23 35 13 13-0014	LF	2" Flexible Hose	13.24	2.11
23 35 13 13-0015	LF	3" Flexible Hose	15.85	2.35
23 35 13 13-0016	LF	4" Flexible Hose	17.20	2.59
23 35 13 13-0017		**Galvanized Vacuum Tubing** *(23 35 13 13-0012)*		
23 35 13 13-0018	LF	2-1/8" Outside Diameter Vacuum Tubing, Galvanized	11.05	2.11
23 35 13 13-0019	LF	2-1/2" Outside Diameter Vacuum Tubing, Galvanized	12.37	2.24
23 35 13 13-0020	LF	3" Outside Diameter Vacuum Tubing, Galvanized	14.70	2.35
23 35 13 13-0021	LF	3-1/2" Outside Diameter Vacuum Tubing, Galvanized	19.13	2.47
23 35 13 13-0022	LF	4" Outside Diameter Vacuum Tubing, Galvanized	19.66	2.59
23 35 13 13-0023	LF	5" Outside Diameter Vacuum Tubing, Galvanized	32.51	2.94
23 35 13 13-0024	LF	6" Outside Diameter Vacuum Tubing, Galvanized	36.64	3.40
23 35 13 13-0025	LF	8" Outside Diameter Vacuum Tubing, Galvanized	49.56	4.70
23 35 13 13-0026	LF	10" Outside Diameter Vacuum Tubing, Galvanized	58.07	5.88
23 35 13 13-0027	LF	12" Outside Diameter Vacuum Tubing, Galvanized	144.47	7.75
23 35 13 13-0028		**Vacuum Fittings, Galvanized** *(23 35 13 13-0011)*		
23 35 13 13-0029		**90 Degree Elbow** *(23 35 13 13-0028)*		
23 35 13 13-0030	EA	2-1/8" 90 Degree Elbow, Vacuum Tubing, Galvanized	55.58	13.51
23 35 13 13-0031	EA	2-1/2" 90 Degree Elbow, Vacuum Tubing, Galvanized	68.66	14.46
23 35 13 13-0032	EA	3" 90 Degree Elbow, Vacuum Tubing, Galvanized	85.47	15.75
23 35 13 13-0033	EA	3-1/2" 90 Degree Elbow, Vacuum Tubing, Galvanized	100.76	17.04
23 35 13 13-0034	EA	4" 90 Degree Elbow, Vacuum Tubing, Galvanized	119.96	18.81
23 35 13 13-0035	EA	5" 90 Degree Elbow, Vacuum Tubing, Galvanized	197.73	20.92
23 35 13 13-0036	EA	6" 90 Degree Elbow, Vacuum Tubing, Galvanized	262.23	23.50
23 35 13 13-0037	EA	8" 90 Degree Elbow, Vacuum Tubing, Galvanized	470.06	31.38
23 35 13 13-0038		**45 Degree Elbow** *(23 35 13 13-0028)*		
23 35 13 13-0039	EA	2-1/8" 45 Degree Elbow, Vacuum Tubing, Galvanized	52.11	13.51
23 35 13 13-0040	EA	2-1/2" 45 Degree Elbow, Vacuum Tubing, Galvanized	65.80	14.46
23 35 13 13-0041	EA	3" 45 Degree Elbow, Vacuum Tubing, Galvanized	75.87	15.75
23 35 13 13-0042	EA	3-1/2" 45 Degree Elbow, Vacuum Tubing, Galvanized	89.94	17.04
23 35 13 13-0043	EA	4" 45 Degree Elbow, Vacuum Tubing, Galvanized	109.96	18.81
23 35 13 13-0044	EA	5" 45 Degree Elbow, Vacuum Tubing, Galvanized	163.03	20.92
23 35 13 13-0045	EA	6" 45 Degree Elbow, Vacuum Tubing, Galvanized	211.20	23.50
23 35 13 13-0046	EA	8" 45 Degree Elbow, Vacuum Tubing, Galvanized	384.32	31.38
23 35 13 13-0047		**Wye** *(23 35 13 13-0028)*		
23 35 13 13-0048	EA	2-1/8" Wye, Vacuum Tubing, Galvanized	100.72	22.33
23 35 13 13-0049	EA	2-1/2" Wye, Vacuum Tubing, Galvanized	120.76	24.09
23 35 13 13-0050	EA	3" Wye, Vacuum Tubing, Galvanized	147.08	25.86
23 35 13 13-0051	EA	3-1/2" Wye, Vacuum Tubing, Galvanized	178.48	28.80
23 35 13 13-0052	EA	4" Wye, Vacuum Tubing, Galvanized	237.31	31.14
23 35 13 13-0053	EA	5" Wye, Vacuum Tubing, Galvanized	399.61	34.67
23 35 13 13-0054	EA	6" Wye, Vacuum Tubing, Galvanized	528.95	39.37
23 35 13 13-0055	EA	8" Wye, Vacuum Tubing, Galvanized	1,042.43	42.89
23 35 13 13-0056	EA	10" Wye, Vacuum Tubing, Galvanized	1,442.74	47.01
23 35 13 13-0057	EA	12" Wye, Vacuum Tubing, Galvanized	1,822.11	52.65
23 35 13 13-0058		**Reducer** *(23 35 13 13-0028)*		
23 35 13 13-0059	EA	3" Reducer, Vacuum Tubing, Galvanized	57.49	15.75
23 35 13 13-0060	EA	4" Reducer, Vacuum Tubing, Galvanized	63.91	17.04
23 35 13 13-0061	EA	5" Reducer, Vacuum Tubing, Galvanized	80.53	18.81
23 35 13 13-0062	EA	6" Reducer, Vacuum Tubing, Galvanized	86.91	20.92
23 35 13 13-0063	EA	8" Reducer, Vacuum Tubing, Galvanized	101.62	23.50
23 35 13 13-0064		**Air Gate Valve, Galvanized** *(23 35 13 13-0011)*		
23 35 13 13-0065	EA	2-1/8" Air Gate Valve, Vacuum Tubing, Galvanized	392.64	31.38
23 35 13 13-0066	EA	2-1/2" Air Gate Valve, Vacuum Tubing, Galvanized	411.35	33.50
23 35 13 13-0067	EA	3" Air Gate Valve, Vacuum Tubing, Galvanized	472.42	36.08
23 35 13 13-0068	EA	3-1/2" Air Gate Valve, Vacuum Tubing, Galvanized	538.02	38.55
23 35 13 13-0069	EA	4" Air Gate Valve, Vacuum Tubing, Galvanized	606.38	40.90
23 35 13 13-0070	EA	5" Air Gate Valve, Vacuum Tubing, Galvanized	715.94	46.66
23 35 13 13-0071	EA	6" Air Gate Valve, Vacuum Tubing, Galvanized	824.48	52.30

23 35 16 Engine Exhaust Systems *(23 35)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 35 16 16		**Mechanical Engine Exhaust Systems** *(23 35 16)*		
23 35 16 16-0001		Overhead Tailpipe Exhaust System *(23 35 16 16)*		
23 35 16 16-0002		Overhead Tailpipe Exhaust Blowers *(23 35 16 16-0001)*		
23 35 16 16-0003		Overhead Direct Drive Tailpipe Exhaust Blowers *(23 35 16 16-0002)*		
23 35 16 16-0004	EA	495 CFM 1/3 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System	3,852.66	250.33
23 35 16 16-0005	EA	1,445 CFM 3/4 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System	4,434.62	511.25
23 35 16 16-0006	EA	1,840 CFM 1-1/2 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System	6,182.28	619.37
23 35 16 16-0007		Overhead Belt Drive Tailpipe Exhaust Blowers *(23 35 16 16-0002)*		
23 35 16 16-0008	EA	1,400 CFM 1 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System	4,310.15	511.25
23 35 16 16-0009	EA	2,023 CFM 1-1/2 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System	4,583.44	619.37
23 35 16 16-0010	EA	2,750 CFM 2 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System	5,460.40	980.17
23 35 16 16-0011	EA	4,400 CFM 3 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System	6,675.36	1,264.59
23 35 16 16-0012	EA	7,060 CFM 5 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System	8,445.97	1,506.69
23 35 16 16-0013		Spiral Exhaust Duct Accessories *(23 35 16 16-0001)*		
23 35 16 16-0014		Flex Hose x Length *(23 35 16 16-0013)*		
		Note: Includes duct coupler, damper and tailpipe adapter.		
23 35 16 16-0015	EA	3" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	186.05	62.29
23 35 16 16-0016	EA	3" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	157.59	62.29
23 35 16 16-0017	EA	4" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	284.87	98.73
23 35 16 16-0018	EA	4" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	237.31	98.73
23 35 16 16-0019	EA	5" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	401.47	156.31
23 35 16 16-0020	EA	5" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	384.45	156.31
23 35 16 16-0021	EA	6" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	612.04	247.99
23 35 16 16-0022	EA	6" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	576.23	247.99
23 35 16 16-0023		Flex Hose With Duct Coupler, Damper And Diesel Exhaust Adapter *(23 35 16 16-0013)*		
23 35 16 16-0024	EA	4" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	208.75	62.29
23 35 16 16-0025	EA	5" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	301.45	98.73
23 35 16 16-0026	EA	4" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	175.96	62.29
23 35 16 16-0027	EA	5" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	252.81	98.73
23 35 16 16-0028	EA	6" x 25' High Pressure, Stainless Steel Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	1,706.19	83.91
23 35 16 16-0029	EA	8" x 15' Heat-Resistant Fabric Flex Hose (650 Degree F.) With Duct Coupler, Damper And Tail-Pipe Adapter	1,479.16	153.96
23 35 16 16-0030	EA	10" x 15' Heat-Resistant Fabric Flex Hose (650 Degree F.) With Duct Coupler, Damper And Tail-Pipe Adapter	1,633.30	153.96
23 35 16 16-0031	LF	8" Heat-Resistant Fabric Flex Hose (650 Degree F.)	78.13	11.99
23 35 16 16-0032	LF	10" Heat-Resistant Fabric Flex Hose (650 Degree F.)	87.59	11.99
23 35 16 16-0033		Flexible Hose *(23 35 16 16-0013)*		
23 35 16 16-0034	LF	3" Stainless Steel Flexible Tubing	29.72	2.94
23 35 16 16-0035	LF	4" Stainless Steel Flexible Tubing	37.52	3.29
23 35 16 16-0036	LF	5" Stainless Steel Flexible Tubing	44.32	3.40
23 35 16 16-0037	LF	6" Stainless Steel Flexible Tubing	52.06	3.64
23 35 16 16-0038	LF	3" Galvanized Flexible Tubing	25.20	2.94
23 35 16 16-0039	LF	4" Galvanized Flexible Tubing	29.61	3.29
23 35 16 16-0040	LF	5" Galvanized Flexible Tubing	34.01	3.40
23 35 16 16-0041	LF	6" Galvanized Flexible Tubing	37.98	3.64
23 35 16 16-0042		Accessories *(23 35 16 16-0001)*		
23 35 16 16-0043	EA	3" Tail Pipe Adapter	64.68	8.81
23 35 16 16-0044	EA	4" Tail Pipe Adapter	66.56	8.81
23 35 16 16-0045	EA	5" Tail Pipe Adapter	70.79	9.99
23 35 16 16-0046	EA	3" Bullnose (Guide)	35.80	5.88
23 35 16 16-0047	EA	4" Bullnose (Guide)	38.02	6.46
23 35 16 16-0048	EA	5" Bullnose (Guide)	40.56	7.05
23 35 16 16-0049	EA	Flex-Hose Winch And Associated Hardware	259.90	66.64
23 35 16 16-0050	LF	Flex-Hose Winch Cable, 1/8" Galvanized Wire Rope	0.16	
23 35 19		**Fume Exhaust Systems** *(23 35)*		
23 35 19 00-0001	EA	Fume Exhauster, 1 1/2 HP 630 CFM With Out Hose And Intake Nozzle	2,687.60	469.75
23 35 19 00-0002	EA	Hose Extension Kit 5'	432.54	104.36
23 36		**Air Terminal Units** *(23 30)*		
23 36 13		**Constant-Air-Volume Units** *(23 36)*		
23 36 13 00-0001		Vertical Units, With Electric Heating Coils *(23 36 13)*		
23 36 13 00-0002	EA	60 CFM Vertical Induction Unit, With Electric Heating Coils	1,843.87	152.23
23 36 13 00-0003	EA	90 CFM Vertical Induction Unit, With Electric Heating Coils	2,222.61	163.94

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 36 13 00-0004	EA	120 CFM Vertical Induction Unit, With Electric Heating Coils	2,372.40	169.80
23 36 13 00-0005	EA	150 CFM Vertical Induction Unit, With Electric Heating Coils	2,533.92	181.51
23 36 13 00-0006	EA	175 CFM Vertical Induction Unit, With Electric Heating Coils	2,862.39	187.36
23 36 13 00-0007		Horizontal Units, With Electric Heating Coils *(23 36 13)*		
23 36 13 00-0008	EA	60 CFM Horizontal Induction Unit, With Electric Heating Coils	1,559.75	152.23
23 36 13 00-0009	EA	90 CFM Horizontal Induction Unit, With Electric Heating Coils	1,867.30	163.94
23 36 13 00-0010	EA	120 CFM Horizontal Induction Unit, With Electric Heating Coils	2,233.37	172.73
23 36 13 00-0011		Duct Boxes, Constant Volume Control *(23 36 13)*		
23 36 13 00-0012		Single Duct Boxes, Constant Volume Control *(23 36 13 00-0011)*		
23 36 13 00-0013	EA	4 - 6" Diameter Inlet, 50 - 240 CFM, Single Duct Boxes, Constant Volume Control	1,487.26	48.40
		For Boxes With Motor, Add	*259.24*	
23 36 13 00-0014	EA	6 - 8" Diameter Inlet, 100 - 480 CFM, Single Duct Boxes, Constant Volume Control	1,646.30	52.23
		For Boxes With Motor, Add	*287.57*	
23 36 13 00-0015	EA	7 - 10" Diameter Inlet, 150 - 720 CFM, Single Duct Boxes, Constant Volume Control	1,709.64	57.32
		For Boxes With Motor, Add	*296.07*	
23 36 13 00-0016	EA	9 - 12" Diameter Inlet, 200 - 960 CFM, Single Duct Boxes, Constant Volume Control	1,740.43	59.87
		For Boxes With Motor, Add	*300.32*	
23 36 13 00-0017	EA	12" Diameter Inlet, 250 - 1,200 CFM, Single Duct Boxes, Constant Volume Control	1,765.14	66.24
		For Boxes With Motor, Add	*300.32*	
23 36 13 00-0018	EA	14" Diameter Inlet, 350 - 1,680 CFM, Single Duct Boxes, Constant Volume Control	2,018.95	73.88
		For Boxes With Motor, Add	*344.23*	
23 36 13 00-0019	EA	16" Diameter Inlet, 450 - 2,160 CFM, Single Duct Boxes, Constant Volume Control	2,117.21	82.80
		For Boxes With Motor, Add	*356.98*	
23 36 13 00-0020	EA	20" x 16" Inlet, 550 - 2,640 CFM, Single Duct Boxes, Constant Volume Control	2,244.61	99.36
		For Boxes With Motor, Add	*369.86*	
23 36 13 00-0021	EA	24" x 16" Inlet, 650 - 3,120 CFM, Single Duct Boxes, Constant Volume Control	2,370.99	114.65
		For Boxes With Motor, Add	*382.48*	
23 36 13 00-0022		Dual Duct Boxes, Constant Volume Control *(23 36 13 00-0011)*		
23 36 13 00-0023	EA	4 - 6" Diameter Inlet, 50 - 240 CFM, Dual Duct Boxes, Constant Volume Control	2,097.03	48.40
		For Boxes With Motor, Add	*381.19*	
23 36 13 00-0024	EA	6 - 8" Diameter Inlet, 100 - 480 CFM, Dual Duct Boxes, Constant Volume Control	2,243.08	52.23
		For Boxes With Motor, Add	*406.93*	
23 36 13 00-0025	EA	7 - 10" Diameter Inlet, 150 - 720 CFM, Dual Duct Boxes, Constant Volume Control	2,340.32	57.32
		For Boxes With Motor, Add	*422.21*	
23 36 13 00-0026	EA	9 - 12" Diameter Inlet, 200 - 960 CFM, Dual Duct Boxes, Constant Volume Control	2,438.33	59.87
		For Boxes With Motor, Add	*439.90*	
23 36 13 00-0027	EA	12" Diameter Inlet, 250 - 1,200 CFM, Dual Duct Boxes, Constant Volume Control	2,463.04	66.24
		For Boxes With Motor, Add	*439.90*	
23 36 13 00-0028	EA	14" Diameter Inlet, 350 - 1,680 CFM, Dual Duct Boxes, Constant Volume Control	2,831.02	75.16
		For Boxes With Motor, Add	*506.65*	
23 36 13 00-0029	EA	16" Diameter Inlet, 450 - 2,160 CFM, Dual Duct Boxes, Constant Volume Control	3,094.55	82.80
		For Boxes With Motor, Add	*552.49*	
23 36 13 00-0030	EA	20" x 16" Inlet, 550 - 2,640 CFM, Dual Duct Boxes, Constant Volume Control	3,330.66	99.36
		For Boxes With Motor, Add	*587.07*	
23 36 13 00-0031	EA	24" x 16" Inlet, 650 - 3,120 CFM, Dual Duct Boxes, Constant Volume Control	3,474.34	114.65
		For Boxes With Motor, Add	*603.15*	
23 36 16		**Variable-Air-Volume Units** *(23 36)*		
23 36 16 00-0001		Variable Volume Terminal Unit *(23 36 16)*		
		Note: Includes flow controllers, insulated plenum, system powered box mounted thermostat.		
23 36 16 00-0002		Single Duct Variable Volume Terminal Unit *(23 36 16 00-0001)*		
		Note: Enclosure only. For mounting DDC controls.		
23 36 16 00-0003	EA	6" Diameter Inlet, 80 To 500 CFM, Variable Air Volume Box With Enclosure Only	637.88	58.60
		Note: For mounting DDC controls		
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0004	EA	8" Diameter Inlet, 145 To 900 CFM, Variable Air Volume Box With Enclosure Only	713.52	66.24
		Note: For mounting DDC controls		
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0005	EA	10" Diameter Inlet, 230 To 1,400 CFM, Variable Air Volume Box With Enclosure Only	794.01	73.88
		Note: For mounting DDC controls		
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0006	EA	12" Diameter Inlet, 325 To 2,000 CFM, Variable Air Volume Box With Enclosure Only	846.49	82.80
		Note: For mounting DDC controls		
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0007	EA	14" Diameter Inlet, 450 To 3,000 CFM, Variable Air Volume Box With Enclosure Only	1,168.79	178.21
		Note: For mounting DDC controls		
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0008	EA	16" Diameter Inlet, 580 To 4,000 CFM, Variable Air Volume Box With Enclosure Only	1,403.34	211.46
		Note: For mounting DDC controls		
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0009		Single Duct Variable Volume Terminal Unit *(23 36 16 00-0001)*		
		Note: With pneumatic controls.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 36 16 00-0010	EA	6" Diameter Inlet, 80 - 500 CFM, Variable Air Volume Box With pneumatic controller	1,350.30	58.60
		For Fan Powered Variable Air Volume Box, Add	*1,439.34*	
		For Hot Water Coils, Add	*453.67*	
		For Pressure Independent Actuator, Add	*67.57*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0011	EA	8" Diameter Inlet, 145 - 900 CFM, Variable Air Volume Box With pneumatic controller	1,459.37	66.24
		For Fan Powered Variable Air Volume Box, Add	*1,541.42*	
		For Hot Water Coils, Add	*484.95*	
		For Pressure Independent Actuator, Add	*67.57*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0012	EA	10" Diameter Inlet, 230 - 1,400 CFM, Variable Air Volume Box With pneumatic controller	1,527.01	73.88
		For Fan Powered Variable Air Volume Box, Add	*1,589.26*	
		For Hot Water Coils, Add	*498.51*	
		For Pressure Independent Actuator, Add	*67.57*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0013	EA	12" Diameter Inlet, 325 - 2,000 CFM, Variable Air Volume Box With pneumatic controller	1,592.35	82.80
		For Fan Powered Variable Air Volume Box, Add	*1,633.92*	
		For Hot Water Coils, Add	*511.03*	
		For Pressure Independent Actuator, Add	*67.57*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0014	EA	14" Diameter Inlet, 450 To 3,000 CFM, Variable Air Volume Box With pneumatic controller	1,845.21	178.21
		For Fan Powered Variable Air Volume Box, Add	*1,833.16*	
		For Hot Water Coils, Add	*569.43*	
		For Pressure Independent Actuator, Add	*67.57*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0015	EA	16" Diameter Inlet, 580 To 4,000 CFM, Variable Air Volume Box With pneumatic controller	2,136.34	211.46
		For Fan Powered Variable Air Volume Box, Add	*1,986.70*	
		For Hot Water Coils, Add	*608.02*	
		For Pressure Independent Actuator, Add	*67.57*	
		For Filters And Frames, Add	*6.30*	

23 36 16 00-0016 Single Duct Variable Volume Terminal Unit *(23 36 16 00-0001)*

Note: With analog electronic controls.

23 36 16 00-0017	EA	6" Diameter Inlet, 60 To 500 CFM, Variable Air Volume Box With Analog Electronic Controls	2,237.61	58.60
		For Hot Water Coils, Add	*813.47*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0018	EA	8" Diameter Inlet, 105 To 900 CFM, Variable Air Volume Box With Analog Electronic Controls	2,326.11	66.24
		For Hot Water Coils, Add	*836.42*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0019	EA	10" Diameter Inlet, 165 To 1,400 CFM, Variable Air Volume Box With Analog Electronic Controls	2,406.60	73.88
		For Hot Water Coils, Add	*855.19*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0020	EA	12" Diameter Inlet, 235 To 2,000 CFM, Variable Air Volume Box With Analog Electronic Controls	2,520.81	82.80
		For Hot Water Coils, Add	*887.52*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0021	EA	14" Diameter Inlet, 320 To 3,000 CFM, Variable Air Volume Box With Analog Electronic Controls	2,776.24	178.21
		For Hot Water Coils, Add	*946.96*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0022	EA	16" Diameter Inlet, 420 To 4,000 CFM, Variable Air Volume Box With Analog Electronic Controls	2,827.68	178.21
		For Hot Water Coils, Add	*967.82*	
		For Filters And Frames, Add	*6.30*	

23 36 16 00-0023 Dual Duct Variable Volume Terminal Unit *(23 36 16 00-0001)*

Note: With flow control installation, plenum system power box, thermostat.

23 36 16 00-0024	EA	6" Diameter Inlet, 75 - 500 CFM, Variable Air Volume Box, Dual Duct	1,530.45	115.79
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0025	EA	8" Diameter Inlet, 200 - 700 CFM, Variable Air Volume Box, Dual Duct	1,673.03	131.84
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0026	EA	10" Diameter Inlet, 400 - 1,000 CFM, Variable Air Volume Box, Dual Duct	1,790.17	148.91
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0027	EA	12" Diameter Inlet, 600 - 1,400 CFM, Variable Air Volume Box, Dual Duct	1,962.88	166.11
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0028	EA	14" Diameter Inlet, 800 - 2,700 CFM, Variable Air Volume Box, Dual Duct	2,206.19	191.07
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0029	EA	16" Diameter Inlet, 1,000 - 3,500 CFM, Variable Air Volume Box, Dual Duct	2,420.80	229.29
		For Filters And Frames, Add	*6.30*	

23 36 16 00-0030 Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-M) *(23 36 16 00-0001)*

23 36 16 00-0031	EA	0 To 200 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-A)	633.75	79.62
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0032	EA	0 To 300 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-B)	687.66	87.58
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0033	EA	0 To 400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-C)	743.12	95.54
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0034	EA	0 To 700 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-D)	800.23	103.50
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0035	EA	0 To 1,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-E)	859.13	111.46
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0036	EA	0 To 1,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-F)	919.90	119.42
		For Filters And Frames, Add	*6.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 36 16 00-0037	EA	0 To 1,100 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-G)	987.90	127.38
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0038	EA	0 To 1,900 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-H)	1,053.23	135.34
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0039	EA	0 To 2,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-J)	1,120.91	143.30
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0040	EA	0 To 3,800 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-K)	1,191.08	151.26
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0041	EA	0 To 5,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-L)	1,263.96	159.23
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0042	EA	0 To 5,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-M)	1,339.69	167.19
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0043	EA	0 To 6,700 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-N)	1,418.51	175.15
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0044	EA	0 To 10,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-P)	1,493.49	183.11
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0045	EA	0 To 15,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-R)	1,578.61	191.07
		For Filters And Frames, Add	*6.30*	

23 37 Air Outlets and Inlets *(23 30)*

23 37 13 Diffusers, Registers, and Grilles *(23 37)*

23 37 13 13 Diffusers, Registers, and Grilles *(23 37 13)*

23 37 13 13-0001 Ceiling Diffusers *(23 37 13 13)*

23 37 13 13-0002 Ceiling Diffusers With Perforated Face *(23 37 13 13-0001)*

Note: Flush mount, aluminum construction, includes damper.

23 37 13 13-0003	EA	6" x 6" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	133.06	16.56
		For Steel Construction, Deduct	*-10.13*	
		For Surface Mount, Deduct	*-8.10*	
		For Diffuser Without Damper, Deduct	*-13.51*	
		For Stainless Steel, Add	*168.85*	
23 37 13 13-0004	EA	8" x 8" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	148.07	16.56
		For Steel Construction, Deduct	*-12.38*	
		For Surface Mount, Deduct	*-9.91*	
		For Diffuser Without Damper, Deduct	*-16.51*	
		For Stainless Steel, Add	*206.38*	
23 37 13 13-0005	EA	9" x 9" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	148.07	16.56
		For Steel Construction, Deduct	*-12.38*	
		For Surface Mount, Deduct	*-9.91*	
		For Diffuser Without Damper, Deduct	*-16.51*	
		For Stainless Steel, Add	*206.38*	
23 37 13 13-0006	EA	10" x 10" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	177.87	20.38
		For Steel Construction, Deduct	*-14.82*	
		For Surface Mount, Deduct	*-11.86*	
		For Diffuser Without Damper, Deduct	*-19.76*	
		For Stainless Steel, Add	*247.03*	
23 37 13 13-0007	EA	12" x 12" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	177.87	19.10
		For Steel Construction, Deduct	*-14.82*	
		For Surface Mount, Deduct	*-11.86*	
		For Diffuser Without Damper, Deduct	*-19.76*	
		For Stainless Steel, Add	*247.03*	
23 37 13 13-0008	EA	16" x 16" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	205.39	19.10
		For Steel Construction, Deduct	*-18.95*	
		For Surface Mount, Deduct	*-15.16*	
		For Diffuser Without Damper, Deduct	*-25.27*	
		For Stainless Steel, Add	*315.83*	
23 37 13 13-0009	EA	18" x 18" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	235.09	25.48
		For Steel Construction, Deduct	*-20.37*	
		For Surface Mount, Deduct	*-16.30*	
		For Diffuser Without Damper, Deduct	*-27.17*	
		For Stainless Steel, Add	*339.58*	
23 37 13 13-0010	EA	20" x 20" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	273.83	26.75
		For Steel Construction, Deduct	*-25.44*	
		For Surface Mount, Deduct	*-20.35*	
		For Diffuser Without Damper, Deduct	*-33.92*	
		For Stainless Steel, Add	*424.03*	
23 37 13 13-0011	EA	24" x 24" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	309.94	30.57
		For Steel Construction, Deduct	*-28.29*	
		For Surface Mount, Deduct	*-22.63*	
		For Lay-In Mount, Deduct	*-22.63*	
		For Diffuser Without Damper, Deduct	*-37.72*	
		For Stainless Steel, Add	*471.55*	

23 37 13 13-0012 Ceiling Diffusers With Louver Face *(23 37 13 13-0001)*

Note: 1 To 4 way adjustable pattern, surface mount aluminum construction.

23 37 13 13-0013	EA	6" x 6" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	138.07	16.56
		For Steel Construction, Deduct	*-10.88*	
		For Flush Mount, Add	*10.88*	
		For Stainless Steel, Add	*181.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0014	EA	8" x 8" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	157.58	16.56
		For Steel Construction, Deduct	*-13.81*	
		For Flush Mount, Add	*13.81*	
		For Stainless Steel, Add	*230.15*	
23 37 13 13-0015	EA	9" x 9" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	157.58	16.56
		For Steel Construction, Deduct	*-13.81*	
		For Flush Mount, Add	*13.81*	
		For Stainless Steel, Add	*230.15*	
23 37 13 13-0016	EA	10" x 10" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	189.13	19.10
		For Steel Construction, Deduct	*-16.51*	
		For Flush Mount, Add	*16.51*	
		For Stainless Steel, Add	*275.18*	
23 37 13 13-0017	EA	12" x 12" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	189.13	20.38
		For Steel Construction, Deduct	*-16.51*	
		For Flush Mount, Add	*16.51*	
		For Stainless Steel, Add	*275.18*	
23 37 13 13-0018	EA	24" x 12" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	243.78	25.48
		For Steel Construction, Deduct	*-21.61*	
		For Flush Mount, Add	*21.61*	
		For Stainless Steel, Add	*360.23*	
23 37 13 13-0019	EA	14" x 14" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	217.26	25.48
		For Steel Construction, Deduct	*-17.64*	
		For Flush Mount, Add	*17.64*	
		For Stainless Steel, Add	*293.93*	
23 37 13 13-0020	EA	18" x 18" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	271.51	30.57
		For Steel Construction, Deduct	*-22.63*	
		For Flush Mount, Add	*22.63*	
		For Stainless Steel, Add	*377.10*	
23 37 13 13-0021	EA	21" x 21" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	314.86	34.39
		For Steel Construction, Deduct	*-28.14*	
		For Flush Mount, Add	*28.14*	
		For Stainless Steel, Add	*469.05*	
23 37 13 13-0022	EA	24" x 24" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	344.26	67.39
		For Steel Construction, Deduct	*-31.41*	
		For Flush Mount, Add	*31.41*	
		For Lay-In Mount, Add	*41.88*	
		For Stainless Steel, Add	*523.45*	

23 37 13 13-0023 Round Ceiling Diffusers With Fixed Pattern *(23 37 13 13-0001)*

Note: Aluminum construction.

23 37 13 13-0024	EA	6" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	227.90	16.56
		For Steel Construction, Deduct	*-48.71*	
		For Stainless Steel, Add	*405.95*	
23 37 13 13-0025	EA	8" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	236.23	16.56
		For Steel Construction, Deduct	*-51.21*	
		For Stainless Steel, Add	*426.78*	
23 37 13 13-0026	EA	10" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	266.42	20.38
		For Steel Construction, Deduct	*-56.21*	
		For Stainless Steel, Add	*468.40*	
23 37 13 13-0027	EA	12" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	287.24	19.10
		For Steel Construction, Deduct	*-62.45*	
		For Stainless Steel, Add	*520.45*	
23 37 13 13-0028	EA	14" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	412.31	22.93
		For Steel Construction, Deduct	*-96.18*	
		For Stainless Steel, Add	*801.48*	
23 37 13 13-0029	EA	16" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	434.87	24.21
		For Steel Construction, Deduct	*-101.80*	
		For Stainless Steel, Add	*848.33*	
23 37 13 13-0030	EA	18" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	457.75	25.48
		For Steel Construction, Deduct	*-107.42*	
		For Stainless Steel, Add	*895.15*	
23 37 13 13-0031	EA	20" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	529.83	25.48
		For Steel Construction, Deduct	*-127.68*	
		For Stainless Steel, Add	*1,064.03*	
23 37 13 13-0032	EA	24" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	632.78	29.30
		For Steel Construction, Deduct	*-155.44*	
		For Stainless Steel, Add	*1,295.33*	
23 37 13 13-0033	EA	28" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	712.82	30.57
		For Steel Construction, Deduct	*-177.65*	
		For Stainless Steel, Add	*1,480.38*	
23 37 13 13-0034	EA	32" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	851.94	34.39
		For Steel Construction, Deduct	*-215.12*	
		For Stainless Steel, Add	*1,792.65*	

23 37 13 13-0035 Round Ceiling Diffusers With Adjustable Pattern Dropped Style *(23 37 13 13-0001)*

Note: Aluminum construction.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0036	EA	6" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	240.39	16.56
		For Steel Construction, Deduct	*-17.49*	
		For Flush Mount, Deduct	*-8.74*	
		For Stainless Steel, Add	*437.18*	
23 37 13 13-0037	EA	8" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	261.90	16.56
		For Steel Construction, Deduct	*-19.64*	
		For Flush Mount, Deduct	*-9.82*	
		For Stainless Steel, Add	*490.95*	
23 37 13 13-0038	EA	10" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	296.49	20.38
		For Steel Construction, Deduct	*-21.74*	
		For Flush Mount, Deduct	*-10.87*	
		For Stainless Steel, Add	*543.58*	
23 37 13 13-0039	EA	12" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	320.55	20.38
		For Steel Construction, Deduct	*-24.15*	
		For Flush Mount, Deduct	*-12.07*	
		For Stainless Steel, Add	*603.73*	
23 37 13 13-0040	EA	14" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	466.44	22.93
		For Steel Construction, Deduct	*-37.47*	
		For Flush Mount, Deduct	*-18.74*	
		For Stainless Steel, Add	*936.80*	
23 37 13 13-0041	EA	16" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	409.94	24.21
		For Steel Construction, Deduct	*-40.04*	
		For Flush Mount, Deduct	*-20.02*	
		For Stainless Steel, Add	*1,000.98*	
23 37 13 13-0042	EA	18" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	525.76	25.48
		For Steel Construction, Deduct	*-42.61*	
		For Flush Mount, Deduct	*-21.30*	
		For Stainless Steel, Add	*1,065.18*	
23 37 13 13-0043	EA	20" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	610.79	26.75
		For Steel Construction, Deduct	*-50.66*	
		For Flush Mount, Deduct	*-25.33*	
		For Stainless Steel, Add	*1,266.43*	
23 37 13 13-0044	EA	24" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	690.15	29.30
		For Steel Construction, Deduct	*-57.55*	
		For Flush Mount, Deduct	*-28.78*	
		For Stainless Steel, Add	*1,438.75*	
23 37 13 13-0045	EA	28" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	837.73	30.57
		For Steel Construction, Deduct	*-71.71*	
		For Flush Mount, Deduct	*-35.85*	
		For Stainless Steel, Add	*1,792.65*	
23 37 13 13-0046	EA	32" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	1,009.69	34.39
		For Steel Construction, Deduct	*-87.48*	
		For Flush Mount, Deduct	*-43.74*	
		For Stainless Steel, Add	*2,187.03*	
23 37 13 13-0047	EA	36" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	1,118.97	71.72
		For Stainless Steel, Add	*2,439.18*	

23 37 13 13-0048 Linear Type Ceiling Diffusers With 2-Way Air Deflection *(23 37 13 13-0001)*

23 37 13 13-0049	LF	4" Linear Type Ceiling Diffuser 40-200 CFM/LF, With 2-Way Air Deflection	181.50	19.10
		For Stainless Steel, Add	*262.68*	
23 37 13 13-0050	LF	6-1/4" Linear Type Ceiling Diffuser, 41 - 206 CFM/LF, With 2-Way Air Deflection	195.79	19.10
		For Stainless Steel, Add	*298.40*	
23 37 13 13-0051	LF	9-1/4" Linear Type Ceiling Diffuser, 62 - 312 CFM/LF, With 2-Way Air Deflection	213.36	19.10
		For Stainless Steel, Add	*342.33*	
23 37 13 13-0052	LF	12-1/4" Linear Type Ceiling Diffuser, 131 - 656 CFM/LF, With 2-Way Air Deflection	230.48	19.10
		For Stainless Steel, Add	*385.13*	

23 37 13 13-0053 Wall And Floor Diffusers *(23 37 13 13)*

23 37 13 13-0054 Slot Type Linear Diffusers *(23 37 13 13-0053)*

Note: For sidewall sill or ceiling 1/2" 3/4/" or 1" slot spacing 1-1/8" border.

23 37 13 13-0055	LF	1 Slot Linear Diffusers 10 - 70 CFM/LF, Sidewall, Sill, Ceiling	61.45	6.37
		For 3/4" Border, Add	*8.68*	
		For Floor Mounted Diffusers, Add	*10.41*	
		For Stainless Steel, Add	*45.11*	
23 37 13 13-0056	LF	2 Slot Linear Diffusers 20 - 140 CFM/LF, Sidewall, Sill, Ceiling	75.54	7.64
		For 3/4" Border, Add	*11.57*	
		For Floor Mounted Diffusers, Add	*13.88*	
		For Stainless Steel, Add	*60.14*	
23 37 13 13-0057	LF	3 Slot Linear Diffusers 30 - 210 CFM/LF, Sidewall, Sill, Ceiling	106.00	8.92
		For 3/4" Border, Add	*18.22*	
		For Floor Mounted Diffusers, Add	*21.86*	
		For Stainless Steel, Add	*94.72*	
23 37 13 13-0058	LF	4 Slot Linear Diffusers 40 - 280 CFM/LF, Sidewall, Sill, Ceiling	141.01	8.92
		For 3/4" Border, Add	*26.02*	
		For Floor Mounted Diffusers, Add	*31.23*	
		For Stainless Steel, Add	*135.32*	
23 37 13 13-0059	LF	5 Slot Linear Diffusers 50 - 350 CFM/LF, Sidewall, Sill, Ceiling	177.39	10.19
		For 3/4" Border, Add	*33.83*	
		For Floor Mounted Diffusers, Add	*40.60*	
		For Stainless Steel, Add	*175.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0060	LF	6 Slot Linear Diffusers 60 - 420 CFM/LF, Sidewall, Sill, Ceiling	207.97	12.74
		For 3/4" Border, Add	*39.90*	
		For Floor Mounted Diffusers, Add	*47.88*	
		For Stainless Steel, Add	*207.48*	
23 37 13 13-0061		**Linear Bar Grilles And Registers** *(23 37 13 13-0053)*		
		Note: For sidewall sill or ceiling or 15 degree deflection 1/2" bar spacing 1" border aluminum construction.		
23 37 13 13-0062	LF	2" Wide Linear Bar Grilles/Registers 30 - 70 CFM/LF, Sidewall, Sill, Ceiling	196.98	7.64
		For Floor Mount, Add	*16.77*	
		For Opposed Blade Damper, Add	*33.54*	
		For Stainless Steel, Add	*218.01*	
23 37 13 13-0063	LF	3" Wide Linear Bar Grilles/Registers 55 - 143 CFM/LF, Sidewall, Sill, Ceiling	235.53	8.92
		For Floor Mount, Add	*20.24*	
		For Opposed Blade Damper, Add	*40.48*	
		For Stainless Steel, Add	*263.11*	
23 37 13 13-0064	LF	4" Wide Linear Bar Grilles/Registers 80 - 208 CFM/LF, Sidewall, Sill, Ceiling	256.66	8.92
		For Floor Mount, Add	*21.97*	
		For Opposed Blade Damper, Add	*43.95*	
		For Stainless Steel, Add	*285.66*	
23 37 13 13-0065	LF	6" Wide Linear Bar Grilles/Registers 125 - 325 CFM/LF, Sidewall, Sill, Ceiling	314.37	12.74
		For Floor Mount, Add	*26.60*	
		For Opposed Blade Damper, Add	*53.20*	
		For Stainless Steel, Add	*345.80*	
23 37 13 13-0066	LF	9" Wide Linear Bar Grilles/Registers 225 - 450 CFM/LF, Sidewall, Sill, Ceiling	435.04	16.56
		For Floor Mount, Add	*37.01*	
		For Opposed Blade Damper, Add	*74.02*	
		For Stainless Steel, Add	*481.12*	
23 37 13 13-0067	LF	12" Wide Linear Bar Grilles/Registers 225 - 495 CFM/LF, Sidewall, Sill, Ceiling	501.20	19.10
		For Floor Mount, Add	*42.21*	
		For Opposed Blade Damper, Add	*84.43*	
		For Stainless Steel, Add	*548.78*	
23 37 13 13-0068		**Return/Exhaust Registers And Grilles** *(23 37 13 13)*		
23 37 13 13-0069		**Return/Exhaust Registers With Frame** *(23 37 13 13-0068)*		
		Note: Single deflection with opposed blade damper aluminum construction wall or ceiling mount.		
23 37 13 13-0070	EA	8" x 4" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	132.64	10.19
		For Steel Construction, Deduct	*-18.62*	
		For Grilles (No Damper), Deduct	*-37.24*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*9.31*	
		For Cube Core Lay In, Add	*18.62*	
		For Stainless Steel, Add	*232.75*	
23 37 13 13-0071	EA	8" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	152.88	10.19
		For Steel Construction, Deduct	*-22.67*	
		For Grilles (No Damper), Deduct	*-45.34*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*11.33*	
		For Cube Core Lay In, Add	*22.67*	
		For Stainless Steel, Add	*283.35*	
23 37 13 13-0072	EA	10" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	171.34	11.46
		For Steel Construction, Deduct	*-25.10*	
		For Grilles (No Damper), Deduct	*-50.19*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*12.55*	
		For Cube Core Lay In, Add	*25.10*	
		For Stainless Steel, Add	*313.70*	
23 37 13 13-0073	EA	10" x 10" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	178.81	12.74
		For Steel Construction, Deduct	*-25.10*	
		For Grilles (No Damper), Deduct	*-50.19*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*12.55*	
		For Cube Core Lay In, Add	*25.10*	
		For Stainless Steel, Add	*313.70*	
23 37 13 13-0074	EA	12" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	170.72	12.74
		For Steel Construction, Deduct	*-23.48*	
		For Grilles (No Damper), Deduct	*-46.96*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*11.74*	
		For Cube Core Lay In, Add	*23.48*	
		For Stainless Steel, Add	*293.48*	
23 37 13 13-0075	EA	12" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	219.34	16.56
		For Steel Construction, Deduct	*-30.76*	
		For Grilles (No Damper), Deduct	*-61.53*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*15.38*	
		For Cube Core Lay In, Add	*30.76*	
		For Stainless Steel, Add	*384.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0076	EA	16" x 16" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	262.72	19.10
		For Steel Construction, Deduct	*-36.73*	
		For Grilles (No Damper), Deduct	*-73.46*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*18.37*	
		For Cube Core Lay In, Add	*36.73*	
		For Stainless Steel, Add	*459.15*	
23 37 13 13-0077	EA	18" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	322.44	22.93
		For Steel Construction, Deduct	*-46.14*	
		For Grilles (No Damper), Deduct	*-92.29*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*23.07*	
		For Cube Core Lay In, Add	*46.14*	
		For Stainless Steel, Add	*576.80*	
23 37 13 13-0078	EA	20" x 20" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	379.09	25.48
		For Steel Construction, Deduct	*-55.88*	
		For Grilles (No Damper), Deduct	*-111.76*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*27.94*	
		For Cube Core Lay In, Add	*55.88*	
		For Stainless Steel, Add	*698.50*	
23 37 13 13-0079	EA	24" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	337.92	25.48
		For Steel Construction, Deduct	*-46.74*	
		For Grilles (No Damper), Deduct	*-93.48*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*23.37*	
		For Cube Core Lay In, Add	*46.74*	
		For Stainless Steel, Add	*584.25*	
23 37 13 13-0080	EA	24" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	387.56	25.48
		For Steel Construction, Deduct	*-56.67*	
		For Grilles (No Damper), Deduct	*-113.34*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*28.33*	
		For Cube Core Lay In, Add	*56.67*	
		For Stainless Steel, Add	*708.35*	
23 37 13 13-0081	EA	24" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	408.33	29.30
		For Steel Construction, Deduct	*-58.74*	
		For Grilles (No Damper), Deduct	*-117.47*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*29.37*	
		For Cube Core Lay In, Add	*58.74*	
		For Stainless Steel, Add	*734.20*	
23 37 13 13-0082	EA	30" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	432.78	30.57
		For Steel Construction, Deduct	*-62.42*	
		For Grilles (No Damper), Deduct	*-124.84*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*31.21*	
		For Cube Core Lay In, Add	*62.42*	
		For Stainless Steel, Add	*780.28*	
23 37 13 13-0083	EA	30" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	499.17	34.39
		For Steel Construction, Deduct	*-72.86*	
		For Grilles (No Damper), Deduct	*-145.72*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*36.43*	
		For Cube Core Lay In, Add	*72.86*	
		For Stainless Steel, Add	*910.73*	
23 37 13 13-0084	EA	30" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	558.02	40.77
		For Steel Construction, Deduct	*-78.85*	
		For Grilles (No Damper), Deduct	*-157.70*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*39.42*	
		For Cube Core Lay In, Add	*78.85*	
		For Stainless Steel, Add	*985.60*	
23 37 13 13-0085	EA	30" x 30" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	729.42	40.77
		For Steel Construction, Deduct	*-113.13*	
		For Grilles (No Damper), Deduct	*-226.26*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*56.56*	
		For Cube Core Lay In, Add	*113.13*	
		For Stainless Steel, Add	*1,414.10*	
23 37 13 13-0086	EA	36" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	602.27	44.58
		For Steel Construction, Deduct	*-85.18*	
		For Grilles (No Damper), Deduct	*-170.36*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*42.59*	
		For Cube Core Lay In, Add	*85.18*	
		For Stainless Steel, Add	*1,064.73*	
23 37 13 13-0087	EA	36" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	585.99	43.31
		For Steel Construction, Deduct	*-81.92*	
		For Grilles (No Damper), Deduct	*-163.84*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*40.96*	
		For Cube Core Lay In, Add	*81.92*	
		For Stainless Steel, Add	*1,024.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0088	EA	36" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	668.10	48.40
		For Steel Construction, Deduct	*-95.41*	
		For Grilles (No Damper), Deduct	*-190.81*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*47.70*	
		For Cube Core Lay In, Add	*95.41*	
		For Stainless Steel, Add	*1,192.58*	
23 37 13 13-0089	EA	36" x 36" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	910.51	52.23
		For Steel Construction, Deduct	*-140.41*	
		For Grilles (No Damper), Deduct	*-280.82*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*70.21*	
		For Cube Core Lay In, Add	*140.41*	
		For Stainless Steel, Add	*1,755.15*	
23 37 13 13-0090	EA	24" x 20" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	401.61	29.42
		For Steel Construction, Deduct	*-56.81*	
		For Grilles (No Damper), Deduct	*-113.62*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*28.41*	
		For Cube Core Lay In, Add	*56.81*	
		For Stainless Steel, Add	*710.13*	
23 37 13 13-0091	EA	32" x 40" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	695.26	44.10
		For Steel Construction, Deduct	*-103.78*	
		For Grilles (No Damper), Deduct	*-207.55*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*51.89*	
		For Cube Core Lay In, Add	*103.78*	
		For Stainless Steel, Add	*1,297.20*	
23 37 13 13-0092	EA	48" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	804.61	52.23
		For Steel Construction, Deduct	*-119.08*	
		For Grilles (No Damper), Deduct	*-238.16*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*59.54*	
		For Cube Core Lay In, Add	*119.08*	
		For Stainless Steel, Add	*1,488.53*	

23 37 13 13-0093 Return/Exhaust Registers Removable-Reversible *(23 37 13 13-0068)*

Note: Double deflection core and opposed blade damper radiused frame with boarder aluminum construction.

23 37 13 13-0094	EA	8" x 4" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	122.12	10.19
		For Steel Construction, Deduct	*-8.26*	
		For Flat Frame, Deduct	*-0.83*	
		For Grilles (No Damper), Deduct	*-16.52*	
		For Stainless Steel, Add	*206.45*	
23 37 13 13-0095	EA	8" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	122.12	10.19
		For Steel Construction, Deduct	*-8.26*	
		For Flat Frame, Deduct	*-0.83*	
		For Grilles (No Damper), Deduct	*-16.52*	
		For Stainless Steel, Add	*206.45*	
23 37 13 13-0096	EA	10" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	150.30	11.46
		For Steel Construction, Deduct	*-10.44*	
		For Flat Frame, Deduct	*-1.04*	
		For Grilles (No Damper), Deduct	*-20.89*	
		For Stainless Steel, Add	*261.10*	
23 37 13 13-0097	EA	10" x 10" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	172.34	14.01
		For Steel Construction, Deduct	*-11.90*	
		For Flat Frame, Deduct	*-1.19*	
		For Grilles (No Damper), Deduct	*-23.80*	
		For Stainless Steel, Add	*297.53*	
23 37 13 13-0098	EA	12" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	169.91	12.74
		For Steel Construction, Deduct	*-11.66*	
		For Flat Frame, Deduct	*-1.17*	
		For Grilles (No Damper), Deduct	*-23.32*	
		For Stainless Steel, Add	*291.45*	
23 37 13 13-0099	EA	12" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	220.96	16.56
		For Steel Construction, Deduct	*-15.54*	
		For Flat Frame, Deduct	*-1.55*	
		For Grilles (No Damper), Deduct	*-31.09*	
		For Stainless Steel, Add	*388.60*	
23 37 13 13-0100	EA	16" x 16" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	359.98	20.38
		For Steel Construction, Deduct	*-28.09*	
		For Flat Frame, Deduct	*-2.81*	
		For Grilles (No Damper), Deduct	*-56.18*	
		For Stainless Steel, Add	*702.30*	
23 37 13 13-0101	EA	18" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	434.17	22.93
		For Steel Construction, Deduct	*-34.25*	
		For Flat Frame, Deduct	*-3.42*	
		For Grilles (No Damper), Deduct	*-68.49*	
		For Stainless Steel, Add	*856.13*	
23 37 13 13-0102	EA	20" x 20" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	490.72	25.48
		For Steel Construction, Deduct	*-39.10*	
		For Flat Frame, Deduct	*-3.91*	
		For Grilles (No Damper), Deduct	*-78.21*	
		For Stainless Steel, Add	*977.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0103	EA	24" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	405.38	25.48
		For Steel Construction, Deduct	*-30.12*	
		For Flat Frame, Deduct	*-3.01*	
		For Grilles (No Damper), Deduct	*-60.23*	
		For Stainless Steel, Add	*752.90*	
23 37 13 13-0104	EA	24" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	551.11	26.75
		For Steel Construction, Deduct	*-44.69*	
		For Flat Frame, Deduct	*-4.47*	
		For Grilles (No Damper), Deduct	*-89.38*	
		For Stainless Steel, Add	*1,117.23*	
23 37 13 13-0105	EA	24" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	644.11	29.30
		For Steel Construction, Deduct	*-52.95*	
		For Flat Frame, Deduct	*-5.29*	
		For Grilles (No Damper), Deduct	*-105.89*	
		For Stainless Steel, Add	*1,323.65*	
23 37 13 13-0106	EA	30" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	489.84	30.57
		For Steel Construction, Deduct	*-36.92*	
		For Flat Frame, Deduct	*-3.69*	
		For Grilles (No Damper), Deduct	*-73.83*	
		For Stainless Steel, Add	*922.93*	
23 37 13 13-0107	EA	30" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	678.92	34.39
		For Steel Construction, Deduct	*-54.40*	
		For Flat Frame, Deduct	*-5.44*	
		For Grilles (No Damper), Deduct	*-108.81*	
		For Stainless Steel, Add	*1,360.10*	
23 37 13 13-0108	EA	30" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	817.11	40.77
		For Steel Construction, Deduct	*-65.33*	
		For Flat Frame, Deduct	*-6.53*	
		For Grilles (No Damper), Deduct	*-130.67*	
		For Stainless Steel, Add	*1,633.33*	
23 37 13 13-0109	EA	30" x 30" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	939.76	40.77
		For Steel Construction, Deduct	*-77.60*	
		For Flat Frame, Deduct	*-7.76*	
		For Grilles (No Damper), Deduct	*-155.20*	
		For Stainless Steel, Add	*1,939.95*	
23 37 13 13-0110	EA	36" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	630.55	43.31
		For Steel Construction, Deduct	*-45.42*	
		For Flat Frame, Deduct	*-4.54*	
		For Grilles (No Damper), Deduct	*-90.83*	
		For Stainless Steel, Add	*1,135.43*	
23 37 13 13-0111	EA	36" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	863.71	43.31
		For Steel Construction, Deduct	*-68.73*	
		For Flat Frame, Deduct	*-6.87*	
		For Grilles (No Damper), Deduct	*-137.47*	
		For Stainless Steel, Add	*1,718.33*	
23 37 13 13-0112	EA	36" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	1,002.27	48.40
		For Steel Construction, Deduct	*-81.12*	
		For Flat Frame, Deduct	*-8.11*	
		For Grilles (No Damper), Deduct	*-162.24*	
		For Stainless Steel, Add	*2,028.00*	
23 37 13 13-0113	EA	36" x 30" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	1,173.87	52.23
		For Steel Construction, Deduct	*-96.54*	
		For Flat Frame, Deduct	*-9.65*	
		For Grilles (No Damper), Deduct	*-193.08*	
		For Stainless Steel, Add	*2,413.55*	
23 37 13 13-0114	EA	36" x 36" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	1,241.88	52.23
		For Steel Construction, Deduct	*-103.34*	
		For Flat Frame, Deduct	*-10.33*	
		For Grilles (No Damper), Deduct	*-206.69*	
		For Stainless Steel, Add	*2,583.58*	

23 37 13 13-0115 Aluminum Eggcrate Ceiling Return Air And Exhaust Grilles *(23 37 13 13-0068)*

23 37 13 13-0116	EA	6" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	61.53	12.46
23 37 13 13-0117	EA	8" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	61.53	12.46
23 37 13 13-0118	EA	8" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	66.96	12.46
23 37 13 13-0119	EA	8" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	69.14	12.46
23 37 13 13-0120	EA	10" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	66.96	12.46
23 37 13 13-0121	EA	10" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	69.14	12.46
23 37 13 13-0122	EA	10" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	83.06	16.33
23 37 13 13-0123	EA	10" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	85.24	16.33
23 37 13 13-0124	EA	12" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	80.89	16.33
23 37 13 13-0125	EA	12" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	85.24	16.33
23 37 13 13-0126	EA	12" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	87.41	16.33
23 37 13 13-0127	EA	12" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	89.59	16.33
23 37 13 13-0128	EA	14" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	86.32	16.33
23 37 13 13-0129	EA	14" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	90.67	16.33
23 37 13 13-0130	EA	14" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	92.85	16.33
23 37 13 13-0131	EA	14" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	102.63	16.33
23 37 13 13-0132	EA	16" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	90.67	16.33
23 37 13 13-0133	EA	16" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	98.28	16.33
23 37 13 13-0134	EA	16" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	102.63	16.33
23 37 13 13-0135	EA	16" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	131.58	24.09
23 37 13 13-0136	EA	16" x 16" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	133.75	24.09
23 37 13 13-0137	EA	18" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	129.40	24.09

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0138	EA	18" x 18" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	158.55	27.97
23 37 13 13-0139	EA	20" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	127.23	24.09
23 37 13 13-0140	EA	20" x 20" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	169.42	27.97
23 37 13 13-0141	EA	22" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	88.50	16.33
23 37 13 13-0142	EA	22" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	129.40	24.09
23 37 13 13-0143	EA	22" x 22" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	189.87	31.85
23 37 13 13-0144	EA	24" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	127.23	24.09
23 37 13 13-0145	EA	24" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	131.58	24.09
23 37 13 13-0146	EA	24" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	152.03	27.97
		For Lay-In Installation, Deduct	*-59.08*	
23 37 13 13-0147	EA	24" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	158.55	27.97
23 37 13 13-0148	EA	24" x 16" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	176.82	31.85
23 37 13 13-0149	EA	24" x 18" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	183.35	31.85
23 37 13 13-0150	EA	24" x 20" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	190.96	31.85
23 37 13 13-0151	EA	24" x 24" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	205.09	31.85
		For Lay-In Installation, Deduct	*-67.64*	
23 37 13 13-0152	EA	30" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	155.29	27.97
23 37 13 13-0153	EA	48" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	252.54	34.91
23 37 13 13-0154	EA	48" x 24" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	433.70	42.66
		For Lay-In Installation, Deduct	*-97.36*	

23 37 13 13-0155 Supply Registers and Grilles *(23 37 13 13)*

23 37 13 13-0156 Adjustable Curved Blade Register *(23 37 13 13-0155)*

Note: Ceiling mount aluminum construction four way pattern flush frame.

23 37 13 13-0157	EA	6" x 6" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	110.25	10.19
		For Steel Construction, Deduct	*-10.62*	
		For Lay In Frame, Deduct	*-17.70*	
		For Three Way Pattern, Deduct	*-7.08*	
		For Two Way Pattern, Deduct	*-5.66*	
		For One Way Pattern, Deduct	*-5.66*	
		For Grille (No Damper), Deduct	*-10.62*	
		For Stainless Steel, Add	*176.95*	
23 37 13 13-0158	EA	8" x 8" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	114.41	10.19
		For Steel Construction, Deduct	*-11.24*	
		For Lay In Frame, Deduct	*-18.74*	
		For Three Way Pattern, Deduct	*-7.49*	
		For Two Way Pattern, Deduct	*-6.00*	
		For One Way Pattern, Deduct	*-6.00*	
		For Grille (No Damper), Deduct	*-11.24*	
		For Stainless Steel, Add	*187.35*	
23 37 13 13-0159	EA	12" x 6" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	124.23	14.01
		For Steel Construction, Deduct	*-10.62*	
		For Lay In Frame, Deduct	*-17.70*	
		For Three Way Pattern, Deduct	*-7.08*	
		For Two Way Pattern, Deduct	*-5.66*	
		For One Way Pattern, Deduct	*-5.66*	
		For Grille (No Damper), Deduct	*-10.62*	
		For Stainless Steel, Add	*176.95*	
23 37 13 13-0160	EA	10" x 10" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	139.50	12.74
		For Steel Construction, Deduct	*-12.91*	
		For Lay In Frame, Deduct	*-21.51*	
		For Three Way Pattern, Deduct	*-8.61*	
		For Two Way Pattern, Deduct	*-6.88*	
		For One Way Pattern, Deduct	*-6.88*	
		For Grille (No Damper), Deduct	*-12.91*	
		For Stainless Steel, Add	*215.13*	
23 37 13 13-0161	EA	12" x 12" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	167.65	16.56
		For Steel Construction, Deduct	*-15.41*	
		For Lay In Frame, Deduct	*-25.68*	
		For Three Way Pattern, Deduct	*-10.27*	
		For Two Way Pattern, Deduct	*-8.22*	
		For One Way Pattern, Deduct	*-8.22*	
		For Grille (No Damper), Deduct	*-15.41*	
		For Stainless Steel, Add	*256.75*	
23 37 13 13-0162	EA	14" x 14" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	206.74	19.10
		For Steel Construction, Deduct	*-19.15*	
		For Lay In Frame, Deduct	*-31.92*	
		For Three Way Pattern, Deduct	*-12.77*	
		For Two Way Pattern, Deduct	*-10.21*	
		For One Way Pattern, Deduct	*-10.21*	
		For Grille (No Damper), Deduct	*-19.15*	
		For Stainless Steel, Add	*319.20*	
23 37 13 13-0163	EA	16" x 16" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	206.74	19.10
		For Steel Construction, Deduct	*-19.15*	
		For Lay In Frame, Deduct	*-31.92*	
		For Three Way Pattern, Deduct	*-12.77*	
		For Two Way Pattern, Deduct	*-10.21*	
		For One Way Pattern, Deduct	*-10.21*	
		For Grille (No Damper), Deduct	*-19.15*	
		For Stainless Steel, Add	*319.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0164	EA	18" x 18" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	254.70	25.48
		For Steel Construction, Deduct	*-23.32*	
		For Lay In Frame, Deduct	*-38.86*	
		For Three Way Pattern, Deduct	*-15.54*	
		For Two Way Pattern, Deduct	*-12.44*	
		For One Way Pattern, Deduct	*-12.44*	
		For Grille (No Damper), Deduct	*-23.32*	
		For Stainless Steel, Add	*388.60*	
23 37 13 13-0165	EA	24" x 24" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	338.77	26.75
		For Steel Construction, Deduct	*-35.18*	
		For Lay In Frame, Deduct	*-58.64*	
		For Three Way Pattern, Deduct	*-23.46*	
		For Two Way Pattern, Deduct	*-18.76*	
		For One Way Pattern, Deduct	*-18.76*	
		For Grille (No Damper), Deduct	*-35.18*	
		For Stainless Steel, Add	*586.38*	
23 37 13 13-0166	EA	30" x 30" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	558.39	54.01
		For Steel Construction, Deduct	*-67.55*	
		For Lay In Frame, Deduct	*-112.59*	
		For Three Way Pattern, Deduct	*-45.04*	
		For Two Way Pattern, Deduct	*-36.03*	
		For One Way Pattern, Deduct	*-36.03*	
		For Grille (No Damper), Deduct	*-67.55*	
		For Stainless Steel, Add	*1,125.90*	

23 37 13 13-0167 Removable-Reversible Core Registers *(23 37 13 13-0155)*

Note: Double deflection radiused frame aluminum construction.

23 37 13 13-0168	EA	6" x 6" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	128.29	10.19
		For Steel Construction, Deduct	*-8.88*	
		For Flat Frame, Deduct	*-8.88*	
		For Grille (No Damper), Deduct	*-26.65*	
		For Stainless Steel, Add	*222.05*	
23 37 13 13-0169	EA	8" x 8" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	164.38	10.19
		For Steel Construction, Deduct	*-12.49*	
		For Flat Frame, Deduct	*-12.49*	
		For Grille (No Damper), Deduct	*-37.47*	
		For Stainless Steel, Add	*312.28*	
23 37 13 13-0170	EA	12" x 6" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	208.89	14.01
		For Steel Construction, Deduct	*-15.54*	
		For Flat Frame, Deduct	*-15.54*	
		For Grille (No Damper), Deduct	*-46.63*	
		For Stainless Steel, Add	*388.60*	
23 37 13 13-0171	EA	10" x 10" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	211.66	14.01
		For Steel Construction, Deduct	*-15.82*	
		For Flat Frame, Deduct	*-15.82*	
		For Grille (No Damper), Deduct	*-47.46*	
		For Stainless Steel, Add	*395.53*	
23 37 13 13-0172	EA	12" x 12" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	270.35	16.56
		For Steel Construction, Deduct	*-20.54*	
		For Flat Frame, Deduct	*-20.54*	
		For Grille (No Damper), Deduct	*-61.62*	
		For Stainless Steel, Add	*513.50*	
23 37 13 13-0173	EA	14" x 14" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	387.16	20.38
		For Steel Construction, Deduct	*-30.81*	
		For Flat Frame, Deduct	*-30.81*	
		For Grille (No Damper), Deduct	*-92.43*	
		For Stainless Steel, Add	*770.25*	
23 37 13 13-0174	EA	16" x 16" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	437.12	19.10
		For Steel Construction, Deduct	*-35.81*	
		For Flat Frame, Deduct	*-35.81*	
		For Grille (No Damper), Deduct	*-107.42*	
		For Stainless Steel, Add	*895.15*	
23 37 13 13-0175	EA	18" x 18" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	526.72	25.48
		For Steel Construction, Deduct	*-42.75*	
		For Flat Frame, Deduct	*-42.75*	
		For Grille (No Damper), Deduct	*-128.24*	
		For Stainless Steel, Add	*1,068.65*	
23 37 13 13-0176	EA	24" x 24" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	667.69	25.48
		For Steel Construction, Deduct	*-56.35*	
		For Flat Frame, Deduct	*-56.35*	
		For Grille (No Damper), Deduct	*-169.04*	
		For Stainless Steel, Add	*1,408.68*	

23 37 13 13-0177 Supply Grille, Aluminum Drum With Aluminum Border *(23 37 13 13-0155)*

Note: Titus DL.

23 37 13 13-0178	EA	9" x 6" Supply Grille, Aluminum Drum	93.31	19.75
		For Stainless Steel, Add	*134.60*	
23 37 13 13-0179	EA	12" x 6" Supply Grille, Aluminum Drum	130.65	26.75
		For Stainless Steel, Add	*193.03*	
23 37 13 13-0180	EA	18" x 6" Supply Grille, Aluminum Drum	143.77	26.75
		For Stainless Steel, Add	*225.83*	
23 37 13 13-0181	EA	24" x 6" Supply Grille, Aluminum Drum	159.88	32.48
		For Stainless Steel, Add	*237.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0182	EA	30" x 6" Supply Grille, Aluminum Drum	203.88	39.62
		For Stainless Steel, Add	*312.05*	
23 37 13 13-0183	EA	36" x 6" Supply Grille, Aluminum Drum	246.82	39.62
		For Stainless Steel, Add	*419.40*	
23 37 13 13-0184	EA	48" x 6" Supply Grille, Aluminum Drum	295.16	49.68
		For Stainless Steel, Add	*489.78*	
23 37 13 13-0185	EA	20" x 10" Supply Grille, Aluminum Drum	166.21	32.48
		For Stainless Steel, Add	*253.18*	
23 37 13 13-0186	EA	25" x 10" Supply Grille, Aluminum Drum	180.22	39.49
		For Stainless Steel, Add	*253.18*	
23 37 13 13-0187	EA	30" x 10" Supply Grille, Aluminum Drum	253.67	49.68
		For Stainless Steel, Add	*385.83*	
23 37 13 13-0188	EA	35" x 10" Supply Grille, Aluminum Drum	292.71	53.50
		For Stainless Steel, Add	*464.33*	
23 37 13 13-0189	EA	40" x 10" Supply Grille, Aluminum Drum	328.68	56.04
		For Stainless Steel, Add	*541.53*	
23 37 13 13-0190	EA	20" x 12" Supply Grille, Aluminum Drum	189.32	35.03
		For Stainless Steel, Add	*298.20*	
23 37 13 13-0191	EA	30" x 12" Supply Grille, Aluminum Drum	277.96	50.95
		For Stainless Steel, Add	*440.23*	
23 37 13 13-0192	EA	40" x 12" Supply Grille, Aluminum Drum	359.06	57.32
		For Stainless Steel, Add	*611.10*	
23 37 13 13-0193	EA	15" x 15" Supply Grille, Aluminum Drum	199.65	39.49
		For Stainless Steel, Add	*301.75*	
23 37 13 13-0194	EA	20" x 15" Supply Grille, Aluminum Drum	224.50	42.03
		For Stainless Steel, Add	*351.13*	
23 37 13 13-0195	EA	25" x 15" Supply Grille, Aluminum Drum	263.74	49.04
		For Stainless Steel, Add	*414.20*	
23 37 13 13-0196	EA	30" x 15" Supply Grille, Aluminum Drum	298.63	52.23
		For Stainless Steel, Add	*485.50*	
23 37 13 13-0197	EA	40" x 15" Supply Grille, Aluminum Drum	362.50	58.60
		For Stainless Steel, Add	*613.35*	

23 37 13 13-0198 Adjustable Shutter Blade Registers *(23 37 13 13-0155)*

Note: Double deflection flat frame aluminum construction.

23 37 13 13-0199	EA	6" x 6" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	201.39	10.19
		For Steel Construction, Deduct	*-16.19*	
		For Single Deflection, Deduct	*-32.38*	
		For Grille (No Damper), Deduct	*-24.29*	
		For Stainless Steel, Add	*404.80*	
23 37 13 13-0200	EA	8" x 8" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	233.77	10.19
		For Steel Construction, Deduct	*-19.43*	
		For Single Deflection, Deduct	*-38.86*	
		For Grille (No Damper), Deduct	*-29.15*	
		For Stainless Steel, Add	*485.75*	
23 37 13 13-0201	EA	12" x 6" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	247.75	14.01
		For Steel Construction, Deduct	*-19.43*	
		For Single Deflection, Deduct	*-38.86*	
		For Grille (No Damper), Deduct	*-29.15*	
		For Stainless Steel, Add	*485.75*	
23 37 13 13-0202	EA	10" x 10" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	257.00	12.74
		For Steel Construction, Deduct	*-20.36*	
		For Single Deflection, Deduct	*-40.71*	
		For Grille (No Damper), Deduct	*-30.53*	
		For Stainless Steel, Add	*508.88*	
23 37 13 13-0203	EA	12" x 12" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	314.76	16.56
		For Steel Construction, Deduct	*-24.98*	
		For Single Deflection, Deduct	*-49.96*	
		For Grille (No Damper), Deduct	*-37.47*	
		For Stainless Steel, Add	*624.53*	
23 37 13 13-0204	EA	14" x 14" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	421.40	19.10
		For Steel Construction, Deduct	*-34.23*	
		For Single Deflection, Deduct	*-68.47*	
		For Grille (No Damper), Deduct	*-51.35*	
		For Stainless Steel, Add	*855.85*	
23 37 13 13-0205	EA	16" x 16" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	500.04	20.38
		For Steel Construction, Deduct	*-42.10*	
		For Single Deflection, Deduct	*-84.20*	
		For Grille (No Damper), Deduct	*-63.15*	
		For Stainless Steel, Add	*1,052.45*	
23 37 13 13-0206	EA	18" x 18" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	617.39	25.48
		For Steel Construction, Deduct	*-51.81*	
		For Single Deflection, Deduct	*-103.63*	
		For Grille (No Damper), Deduct	*-77.72*	
		For Stainless Steel, Add	*1,295.33*	
23 37 13 13-0207	EA	24" x 24" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	858.29	26.75
		For Steel Construction, Deduct	*-75.41*	
		For Single Deflection, Deduct	*-150.81*	
		For Grille (No Damper), Deduct	*-113.11*	
		For Stainless Steel, Add	*1,885.18*	

23 37 13 13-0208 Air Conditioning And Ventilation *(23 37 13 13-0155)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0209	EA	10" x 16" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	106.66	26.75
		For Stainless Steel, Add	*133.03*	
23 37 13 13-0210	EA	18" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	186.04	39.81
		For Stainless Steel, Add	*266.05*	
23 37 13 13-0211	EA	30" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	288.83	55.73
		For Stainless Steel, Add	*443.43*	
23 37 13 13-0212	EA	48" x 24" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	738.18	76.43
		For Stainless Steel, Add	*1,463.30*	
23 37 13 13-0213		**Square Wall Return Air And Exhaust Grilles** *(23 37 13 13-0155)*		
		Note: Egg crate design aluminum construction.		
23 37 13 13-0214	EA	8" x 8" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	95.79	31.91
23 37 13 13-0215	EA	12" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	105.63	31.91
23 37 13 13-0216	EA	18" x 18" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	157.21	47.86
23 37 13 13-0217	EA	24" x 24" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	206.41	47.86
23 37 13 13-0218	EA	28" x 28" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	349.00	63.81
23 37 13 13-0219	EA	36" x 36" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	646.19	63.69
23 37 13 13-0220		**Rectangular Four-Way Adjustable Deflection Wall Supply Grilles** *(23 37 13 13-0155)*		
		Note: Aluminum construction.		
23 37 13 13-0221	EA	12" x 6" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	284.17	22.97
23 37 13 13-0222	EA	14" x 6" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	325.80	22.97
23 37 13 13-0223	EA	18" x 8" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	393.54	25.52
23 37 13 13-0224	EA	24" x 8" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	467.52	25.52
23 37 13 13-0225	EA	36" x 20" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	597.32	79.76
23 37 13 13-0226	EA	6" x 6" 2, 3, 4-Way Adjustable Wall Supply Grille, Adjustable, Titus Mode 250	109.98	38.29
23 37 13 13-0227	EA	8" x 8" 2, 3, 4-Way Adjustable Wall Supply Grille, Adjustable, Titus Mode 250	116.36	41.48
23 37 13 13-0228	EA	10" x 10" 2, 3, 4-Way Adjustable Wall Supply Grille, Adjustable, Titus Mode 250	134.68	44.67
23 37 13 13-0229	EA	12" x 12" 2, 3, 4-Way Adjustable Wall Supply Grille, Adjustable, Titus Mode 250	144.65	47.86
23 37 13 13-0230	EA	14" x 14" 2, 3, 4-Way Adjustable Wall Supply Grille, Adjustable, Titus Mode 250	160.58	51.05
23 37 13 13-0231		**Square Ceiling Return Air And Exhaust Grilles** *(23 37 13 13-0155)*		
		Note: Egg crate design, plastic construction.		
23 37 13 13-0232	EA	24" x 24" Egg Crate Ceiling Return Air Or Exhaust Grille, Plastic Construction	53.46	15.27
23 37 13 13-0233	EA	24" x 48" Egg Crate Ceiling Return Air Or Exhaust Grille, Plastic Construction	77.95	15.40
23 37 13 13-0234		**Door Grilles Sight Proof Inverted Vee Cross Section** *(23 37 13 13-0155)*		
		Note: Painted steel louvers and frame.		
23 37 13 13-0235	EA	12" x 6" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	158.08	22.97
23 37 13 13-0236	EA	12" x 12" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	196.27	22.97
23 37 13 13-0237	EA	18" x 18" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	247.16	24.25
23 37 13 13-0238	EA	24" x 24" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	344.31	28.97
23 37 13 13-0239	EA	24" x 30" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	381.53	53.21
23 37 13 13-0240		**Stainless Steel Devices** *(23 37 13 13-0155)*		
23 37 13 13-0241		**304 Stainless Steel, Louvered Partition/Door Grilles** *(23 37 13 13-0240)*		
23 37 13 13-0242	SF	Up To 4 SF, 304 Stainless Steel, Louvered Partition/Door Grille	241.86	19.90
		For 316 Stainless Steel, Add	*41.74*	
23 37 13 13-0243	SF	>4 SF, 304 Stainless Steel, Louvered Partition/Door Grille	203.78	19.90
		For 316 Stainless Steel, Add	*34.12*	
23 37 13 13-0244		**304 Stainless Steel, Single Deflection Supply Grilles** *(23 37 13 13-0240)*		
23 37 13 13-0245	SF	Up To 4 SF, 304 Stainless Steel, Single Deflection Supply Grille	182.68	19.90
		For 316 Stainless Steel, Add	*29.90*	
23 37 13 13-0246	SF	>4 SF, 304 Stainless Steel, Single Deflection Supply Grille	154.99	19.90
		For 316 Stainless Steel, Add	*24.36*	
23 37 13 13-0247		**304 Stainless Steel, Double Deflection Supply Grilles** *(23 37 13 13-0240)*		
23 37 13 13-0248	SF	Up To 4 SF, 304 Stainless Steel, Double Deflection Supply Grille	268.33	19.90
		For 316 Stainless Steel, Add	*47.03*	
23 37 13 13-0249	SF	>4 SF, 304 Stainless Steel, Double Deflection Supply Grille	228.36	19.90
		For 316 Stainless Steel, Add	*39.04*	
23 37 13 13-0250		**304 Stainless Steel Return Grilles** *(23 37 13 13-0240)*		
23 37 13 13-0251	SF	Up To 4 SF, 304 Stainless Steel Return Grille	182.68	19.90
		For 316 Stainless Steel, Add	*29.90*	
23 37 13 13-0252	SF	>4 SF, 304 Stainless Steel Return Grille	154.99	19.90
		For 316 Stainless Steel, Add	*24.36*	
23 37 13 13-0253		**304 Stainless Steel, Louvered Supply/Return Grilles** *(23 37 13 13-0240)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0254	SF	Up To 4 SF, 304 Stainless Steel, Louvered Supply/Return Grille	182.68	19.90
		For 316 Stainless Steel, Add	*29.90*	
23 37 13 13-0255	SF	>4 SF, 304 Stainless Steel, Louvered Supply/Return Grille	154.99	19.90
		For 316 Stainless Steel, Add	*24.36*	
23 37 13 13-0256		**304 Stainless Steel, Perforated Return Grilles** *(23 37 13 13-0240)*		
23 37 13 13-0257	SF	Up To 4 SF, 304 Stainless Steel, Perforated Return Grille	182.68	19.90
		For 316 Stainless Steel, Add	*29.90*	
23 37 13 13-0258	SF	>4 SF, 304 Stainless Steel, Perforated Return Grille	147.38	19.90
		For 316 Stainless Steel, Add	*22.84*	
23 37 13 13-0259		**304 Stainless Steel, Perforated Supply Grilles** *(23 37 13 13-0240)*		
23 37 13 13-0260	SF	Up To 4 SF, 304 Stainless Steel, Perforated Supply Grille	221.61	19.90
		For 316 Stainless Steel, Add	*37.69*	
23 37 13 13-0261	SF	>4 SF, 304 Stainless Steel, Perforated Supply Grille	151.43	19.90
		For 316 Stainless Steel, Add	*23.65*	
23 37 13 13-0262		**304 Stainless Steel, Door Grilles** *(23 37 13 13-0240)*		
23 37 13 13-0263	SF	Up To 4 SF, 304 Stainless Steel, Door Grille	332.18	19.90
		For 316 Stainless Steel, Add	*59.80*	
23 37 13 13-0264	SF	>4 SF, 304 Stainless Steel, Door Grille	276.82	19.90
		For 316 Stainless Steel, Add	*48.73*	
23 37 13 13-0265		**304 Stainless Steel, Linear Bar Grilles** *(23 37 13 13-0240)*		
23 37 13 13-0266	SF	Up To 4 SF, 304 Stainless Steel, Linear Bar Grille	425.10	19.90
		For 316 Stainless Steel, Add	*78.38*	
23 37 13 13-0267	SF	>4 SF, 304 Stainless Steel, Linear Bar Grille	363.67	19.90
		For 316 Stainless Steel, Add	*66.10*	
23 37 13 13-0268		**304 Stainless Steel, Hinged Filter Grilles** *(23 37 13 13-0240)*		
23 37 13 13-0269	SF	Up To 4 SF, 304 Stainless Steel, Hinged Filter Grille	311.94	19.90
		For 316 Stainless Steel, Add	*55.75*	
23 37 13 13-0270	SF	>4 SF, 304 Stainless Steel, Hinged Filter Grille	215.05	19.90
		For 316 Stainless Steel, Add	*36.37*	
23 37 13 13-0271		**304 Stainless Steel, Opposed Blade Dampers Grilles** *(23 37 13 13-0240)*		
23 37 13 13-0272	SF	Up To 4 SF, 304 Stainless Steel, Opposed Blade Dampers Grille	167.11	19.90
		For 316 Stainless Steel, Add	*26.79*	
23 37 13 13-0273	SF	Opposed Blade Dampers Grille, Stainless Steel 304, > 4 SF	126.80	19.90
		For 316 Stainless Steel, Add	*18.72*	
23 37 13 13-0274		**304 Stainless Steel, Plaster Frames Replacement** *(23 37 13 13-0240)*		
		Note: For frequent replacement.		
23 37 13 13-0275	SF	To 4 SF, 304 Stainless Steel, Plaster Frames Replacement	129.73	19.90
		For 316 Stainless Steel, Add	*19.31*	
23 37 13 13-0276	SF	>4 SF, 304 Stainless Steel, Plaster Frames Replacement	67.96	19.90
		For 316 Stainless Steel, Add	*6.96*	
23 37 13 13-0277		**304 Stainless Steel, Modular Louvered Ceiling Diffusers** *(23 37 13 13-0240)*		
23 37 13 13-0278	SF	Up To 4 SF, 304 Stainless Steel, Modular Louvered Ceiling Diffuser	307.27	19.90
		For 316 Stainless Steel, Add	*54.82*	
23 37 13 13-0279	SF	>4 SF, 304 Stainless Steel, Modular Louvered Ceiling Diffuser	239.96	19.90
		For 316 Stainless Steel, Add	*41.36*	
23 37 13 13-0280		**304 Stainless Steel, Latticed Supply/Return Grilles** *(23 37 13 13-0240)*		
23 37 13 13-0281	SF	Up To 4 SF, 304 Stainless Steel, Latticed Supply/Return Grille	106.37	19.90
		For 316 Stainless Steel, Add	*14.64*	
23 37 13 13-0282	SF	>4 SF, 304 Stainless Steel, Latticed Supply/Return Grille	106.37	19.90
		For 316 Stainless Steel, Add	*14.64*	
23 37 13 13-0283		**Removal And Reinstallation Of Distribution Devices** *(23 37 13 13)*		
		Note: Includes storage and cleaning. Excludes ductwork.		
23 37 13 13-0284	EA	Removal And Reinstallation Of Variable Air Volume Terminal Unit	238.84	
23 37 13 13-0285	EA	Removal And Reinstallation Of Fan Powered Variable Volume Terminal Unit	263.43	
23 37 13 13-0286	EA	Removal And Reinstallation Of Lay-in Diffuser/Register/Grille	39.48	
23 37 13 13-0287	EA	Removal And Reinstallation Of Surface Mounted Diffuser/Register/Grille	53.47	

23 37 13 43 Security Registers and Grilles *(23 37 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 43-0001		**Security Supply Or Return Grille** *(23 37 13 43)* Note: Designed for maximum security applications, 3/16" steel face plate with 2" x 2" square holes, 1/4" steel backer plate, 3/16" welded steel sleeve, 10 gauge x 2 wire mesh between face and backer plates, 1" x 1" x 3/16" angle iron frame, standard finish.		
23 37 13 43-0002	EA	8" x 4" Steel Security Grille	299.22	19.14
		For Anchoring Tabs, Add	*26.09*	
		For Rear Operated Opposed Blade Damper, Add	*95.15*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*65.23*	
		For Stainless Steel, Add	*339.21*	
23 37 13 43-0003	EA	8" x 6" Steel Security Grille	332.11	19.78
		For Anchoring Tabs, Add	*29.26*	
		For Rear Operated Opposed Blade Damper, Add	*106.35*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*73.14*	
		For Stainless Steel, Add	*380.32*	
23 37 13 43-0004	EA	8" x 8" Steel Security Grille	380.71	22.33
		For Anchoring Tabs, Add	*33.60*	
		For Rear Operated Opposed Blade Damper, Add	*122.08*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*84.01*	
		For Stainless Steel, Add	*436.85*	
23 37 13 43-0005	EA	10" x 4" Steel Security Grille	331.99	21.69
		For Anchoring Tabs, Add	*28.86*	
		For Rear Operated Opposed Blade Damper, Add	*105.35*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*72.15*	
		For Stainless Steel, Add	*375.18*	
23 37 13 43-0006	EA	10" x 6" Steel Security Grille	354.31	22.97
		For Anchoring Tabs, Add	*30.84*	
		For Rear Operated Opposed Blade Damper, Add	*112.52*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*77.09*	
		For Stainless Steel, Add	*400.88*	
23 37 13 43-0007	EA	10" x 8" Steel Security Grille	405.58	24.88
		For Anchoring Tabs, Add	*35.58*	
		For Rear Operated Opposed Blade Damper, Add	*129.51*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*88.95*	
		For Stainless Steel, Add	*462.55*	
23 37 13 43-0008	EA	10" x 10" Steel Security Grille	452.89	26.80
		For Anchoring Tabs, Add	*39.93*	
		For Rear Operated Opposed Blade Damper, Add	*145.11*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*99.83*	
		For Stainless Steel, Add	*519.09*	
23 37 13 43-0009	EA	12" x 4" Steel Security Grille	348.95	24.25
		For Anchoring Tabs, Add	*30.05*	
		For Rear Operated Opposed Blade Damper, Add	*110.01*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*75.12*	
		For Stainless Steel, Add	*390.60*	
23 37 13 43-0010	EA	12" x 6" Steel Security Grille	389.63	26.80
		For Anchoring Tabs, Add	*33.60*	
		For Rear Operated Opposed Blade Damper, Add	*122.97*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*84.01*	
		For Stainless Steel, Add	*436.85*	
23 37 13 43-0011	EA	12" x 8" Steel Security Grille	444.87	28.71
		For Anchoring Tabs, Add	*38.74*	
		For Rear Operated Opposed Blade Damper, Add	*141.35*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*96.86*	
		For Stainless Steel, Add	*503.67*	
23 37 13 43-0012	EA	12" x 10" Steel Security Grille	484.27	30.63
		For Anchoring Tabs, Add	*42.30*	
		For Rear Operated Opposed Blade Damper, Add	*154.18*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*105.76*	
		For Stainless Steel, Add	*549.93*	
23 37 13 43-0013	EA	12" x 12" Steel Security Grille	535.54	32.54
		For Anchoring Tabs, Add	*47.05*	
		For Rear Operated Opposed Blade Damper, Add	*171.17*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*117.62*	
		For Stainless Steel, Add	*611.60*	
23 37 13 43-0014	EA	14" x 4" Steel Security Grille	372.54	26.16
		For Anchoring Tabs, Add	*32.02*	
		For Rear Operated Opposed Blade Damper, Add	*117.31*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*80.06*	
		For Stainless Steel, Add	*416.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 43-0015	EA	14" x 6" Steel Security Grille	419.87	28.07
		For Anchoring Tabs, Add	*36.37*	
		For Rear Operated Opposed Blade Damper, Add	*132.92*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*90.93*	
		For Stainless Steel, Add	*472.84*	
23 37 13 43-0016	EA	14" x 8" Steel Security Grille	468.45	30.63
		For Anchoring Tabs, Add	*40.72*	
		For Rear Operated Opposed Blade Damper, Add	*148.65*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*101.80*	
		For Stainless Steel, Add	*529.36*	
23 37 13 43-0017	EA	14" x 10" Steel Security Grille	528.90	33.18
		For Anchoring Tabs, Add	*46.26*	
		For Rear Operated Opposed Blade Damper, Add	*168.53*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*115.64*	
		For Stainless Steel, Add	*601.32*	
23 37 13 43-0018	EA	14" x 12" Steel Security Grille	582.72	36.37
		For Anchoring Tabs, Add	*51.00*	
		For Rear Operated Opposed Blade Damper, Add	*185.77*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*127.50*	
		For Stainless Steel, Add	*662.99*	
23 37 13 43-0019	EA	14" x 14" Steel Security Grille	627.37	38.92
		For Anchoring Tabs, Add	*54.95*	
		For Rear Operated Opposed Blade Damper, Add	*200.12*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*137.38*	
		For Stainless Steel, Add	*714.39*	
23 37 13 43-0020	EA	16" x 6" Steel Security Grille	448.69	30.63
		For Anchoring Tabs, Add	*38.74*	
		For Rear Operated Opposed Blade Damper, Add	*141.73*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*96.86*	
		For Stainless Steel, Add	*503.67*	
23 37 13 43-0021	EA	16" x 8" Steel Security Grille	513.09	33.18
		For Anchoring Tabs, Add	*44.67*	
		For Rear Operated Opposed Blade Damper, Add	*162.99*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*111.69*	
		For Stainless Steel, Add	*580.76*	
23 37 13 43-0022	EA	16" x 10" Steel Security Grille	553.77	35.73
		For Anchoring Tabs, Add	*48.23*	
		For Rear Operated Opposed Blade Damper, Add	*175.96*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*120.58*	
		For Stainless Steel, Add	*627.02*	
23 37 13 43-0023	EA	16" x 12" Steel Security Grille	624.82	37.64
		For Anchoring Tabs, Add	*54.95*	
		For Rear Operated Opposed Blade Damper, Add	*199.86*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*137.38*	
		For Stainless Steel, Add	*714.39*	
23 37 13 43-0024	EA	16" x 14" Steel Security Grille	661.55	40.20
		For Anchoring Tabs, Add	*58.12*	
		For Rear Operated Opposed Blade Damper, Add	*211.45*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*145.29*	
		For Stainless Steel, Add	*755.51*	
23 37 13 43-0025	EA	16" x 16" Steel Security Grille	718.04	42.75
		For Anchoring Tabs, Add	*63.26*	
		For Rear Operated Opposed Blade Damper, Add	*229.94*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*158.14*	
		For Stainless Steel, Add	*822.32*	
23 37 13 43-0026	EA	18" x 6" Steel Security Grille	476.11	34.45
		For Anchoring Tabs, Add	*40.72*	
		For Rear Operated Opposed Blade Damper, Add	*149.41*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*101.80*	
		For Stainless Steel, Add	*529.36*	
23 37 13 43-0027	EA	18" x 8" Steel Security Grille	544.47	37.01
		For Anchoring Tabs, Add	*47.05*	
		For Rear Operated Opposed Blade Damper, Add	*172.06*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*117.62*	
		For Stainless Steel, Add	*611.60*	
23 37 13 43-0028	EA	18" x 10" Steel Security Grille	597.02	39.56
		For Anchoring Tabs, Add	*51.79*	
		For Rear Operated Opposed Blade Damper, Add	*189.18*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*129.48*	
		For Stainless Steel, Add	*673.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 43-0029	EA	18" x 12" Steel Security Grille	657.47	42.11
		For Anchoring Tabs, Add	*57.33*	
		For Rear Operated Opposed Blade Damper, Add	*209.06*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*143.31*	
		For Stainless Steel, Add	*745.23*	
23 37 13 43-0030	EA	18" x 14" Steel Security Grille	703.63	41.48
		For Anchoring Tabs, Add	*62.07*	
		For Rear Operated Opposed Blade Damper, Add	*225.54*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*155.17*	
		For Stainless Steel, Add	*806.90*	
23 37 13 43-0031	EA	18" x 16" Steel Security Grille	770.73	43.39
		For Anchoring Tabs, Add	*68.40*	
		For Rear Operated Opposed Blade Damper, Add	*248.06*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*170.99*	
		For Stainless Steel, Add	*889.14*	
23 37 13 43-0032	EA	18" x 18" Steel Security Grille	825.94	45.30
		For Anchoring Tabs, Add	*73.53*	
		For Rear Operated Opposed Blade Damper, Add	*266.43*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*183.84*	
		For Stainless Steel, Add	*955.94*	
23 37 13 43-0033	EA	20" x 6" Steel Security Grille	510.17	37.64
		For Anchoring Tabs, Add	*43.49*	
		For Rear Operated Opposed Blade Damper, Add	*159.74*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*108.72*	
		For Stainless Steel, Add	*565.34*	
23 37 13 43-0034	EA	20" x 8" Steel Security Grille	577.12	41.48
		For Anchoring Tabs, Add	*49.42*	
		For Rear Operated Opposed Blade Damper, Add	*181.26*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*123.55*	
		For Stainless Steel, Add	*642.43*	
23 37 13 43-0035	EA	20" x 10" Steel Security Grille	636.31	43.39
		For Anchoring Tabs, Add	*54.95*	
		For Rear Operated Opposed Blade Damper, Add	*201.01*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*137.38*	
		For Stainless Steel, Add	*714.39*	
23 37 13 43-0036	EA	20" x 12" Steel Security Grille	700.71	45.95
		For Anchoring Tabs, Add	*60.88*	
		For Rear Operated Opposed Blade Damper, Add	*222.28*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*152.21*	
		For Stainless Steel, Add	*791.48*	
23 37 13 43-0037	EA	20" x 14" Steel Security Grille	771.74	47.86
		For Anchoring Tabs, Add	*67.60*	
		For Rear Operated Opposed Blade Damper, Add	*246.18*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*169.01*	
		For Stainless Steel, Add	*878.85*	
23 37 13 43-0038	EA	20" x 16" Steel Security Grille	834.87	49.77
		For Anchoring Tabs, Add	*73.53*	
		For Rear Operated Opposed Blade Damper, Add	*267.32*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*183.84*	
		For Stainless Steel, Add	*955.94*	
23 37 13 43-0039	EA	20" x 18" Steel Security Grille	894.05	51.68
		For Anchoring Tabs, Add	*79.07*	
		For Rear Operated Opposed Blade Damper, Add	*287.08*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*197.67*	
		For Stainless Steel, Add	*1,027.90*	
23 37 13 43-0040	EA	20" x 20" Steel Security Grille	965.09	53.59
		For Anchoring Tabs, Add	*85.79*	
		For Rear Operated Opposed Blade Damper, Add	*310.98*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*214.48*	
		For Stainless Steel, Add	*1,115.27*	
23 37 13 43-0041	EA	24" x 6" Steel Security Grille	566.53	42.11
		For Anchoring Tabs, Add	*48.23*	
		For Rear Operated Opposed Blade Damper, Add	*177.23*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*120.58*	
		For Stainless Steel, Add	*627.02*	
23 37 13 43-0042	EA	24" x 8" Steel Security Grille	641.40	45.95
		For Anchoring Tabs, Add	*54.95*	
		For Rear Operated Opposed Blade Damper, Add	*201.52*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*137.38*	
		For Stainless Steel, Add	*714.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 43-0043	EA	24" x 10" Steel Security Grille	703.26	47.21
		For Anchoring Tabs, Add	*60.88*	
		For Rear Operated Opposed Blade Damper, Add	*222.53*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*152.21*	
		For Stainless Steel, Add	*791.48*	
23 37 13 43-0044	EA	24" x 12" Steel Security Grille	788.58	52.32
		For Anchoring Tabs, Add	*68.40*	
		For Rear Operated Opposed Blade Damper, Add	*249.85*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*170.99*	
		For Stainless Steel, Add	*889.14*	
23 37 13 43-0045	EA	24" x 14" Steel Security Grille	851.70	54.24
		For Anchoring Tabs, Add	*74.33*	
		For Rear Operated Opposed Blade Damper, Add	*270.98*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*185.81*	
		For Stainless Steel, Add	*966.23*	
23 37 13 43-0046	EA	24" x 16" Steel Security Grille	930.64	56.15
		For Anchoring Tabs, Add	*81.84*	
		For Rear Operated Opposed Blade Damper, Add	*297.65*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*204.59*	
		For Stainless Steel, Add	*1,063.87*	
23 37 13 43-0047	EA	24" x 18" Steel Security Grille	1,021.44	58.06
		For Anchoring Tabs, Add	*90.53*	
		For Rear Operated Opposed Blade Damper, Add	*328.48*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*226.34*	
		For Stainless Steel, Add	*1,176.94*	
23 37 13 43-0048	EA	24" x 20" Steel Security Grille	1,084.56	59.98
		For Anchoring Tabs, Add	*96.46*	
		For Rear Operated Opposed Blade Damper, Add	*349.62*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*241.16*	
		For Stainless Steel, Add	*1,254.03*	
23 37 13 43-0049	EA	24" x 24" Steel Security Grille	1,218.73	63.81
		For Anchoring Tabs, Add	*109.12*	
		For Rear Operated Opposed Blade Damper, Add	*394.66*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*272.79*	
		For Stainless Steel, Add	*1,418.50*	

23 37 23 HVAC Gravity Ventilators *(23 37)*

23 37 23 13 HVAC Gravity Dome Ventilators *(23 37 23)*

23 37 23 13-0001 Rectangular Gravity Intake/Relief Ventilator Hood *(23 37 23 13)*

Note: Includes flange base and bird screen. Excludes curb.

23 37 23 13-0002	EA	8" x 8" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,244.69	73.88
23 37 23 13-0003	EA	8" x 12" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,313.36	84.58
23 37 23 13-0004	EA	8" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,642.29	105.21
23 37 23 13-0005	EA	8" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,749.34	111.97
23 37 23 13-0006	EA	8" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,042.64	130.32
23 37 23 13-0007	EA	10" x 10" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,468.66	84.08
23 37 23 13-0008	EA	12" x 12" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,614.30	94.78
23 37 23 13-0009	EA	12" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,877.55	101.90
23 37 23 13-0010	EA	12" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,037.43	123.51
23 37 23 13-0011	EA	12" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,350.08	132.48
23 37 23 13-0012	EA	12" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,662.48	140.63
23 37 23 13-0013	EA	14" x 14" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,756.83	95.92
23 37 23 13-0014	EA	14" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,002.02	109.29
23 37 23 13-0015	EA	14" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,247.20	122.67
23 37 23 13-0016	EA	14" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,533.13	138.34
23 37 23 13-0017	EA	14" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,860.07	156.18
23 37 23 13-0018	EA	16" x 16" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,124.50	116.04
23 37 23 13-0019	EA	16" x 20" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,206.26	120.50
23 37 23 13-0020	EA	16" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,451.42	133.88
23 37 23 13-0021	EA	16" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,778.24	151.72
23 37 23 13-0022	EA	16" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,105.05	169.54
23 37 23 13-0023	EA	16" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,554.50	194.13
23 37 23 13-0024	EA	18" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,112.14	114.39
23 37 23 13-0025	EA	18" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,457.71	133.12
23 37 23 13-0026	EA	18" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,803.41	151.84
23 37 23 13-0027	EA	18" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,187.41	172.60
23 37 23 13-0028	EA	18" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,533.00	191.32
23 37 23 13-0029	EA	20" x 20" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,216.00	126.88
23 37 23 13-0030	EA	20" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,506.55	143.56
23 37 23 13-0031	EA	20" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,797.23	160.12
23 37 23 13-0032	EA	20" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,233.18	185.08
23 37 23 13-0033	EA	20" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,560.09	203.82
23 37 23 13-0034	EA	24" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,791.37	170.57
23 37 23 13-0035	EA	24" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,097.69	189.29
23 37 23 13-0036	EA	24" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,540.27	216.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 23 13-0037	EA	24" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,880.66	237.06
23 37 23 13-0038	EA	24" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,255.12	259.99
23 37 23 13-0039	EA	30" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,360.50	194.13
23 37 23 13-0040	EA	30" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,702.78	213.87
23 37 23 13-0041	EA	30" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,076.26	235.40
23 37 23 13-0042	EA	30" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,449.62	257.06
23 37 23 13-0043	EA	30" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	5,414.16	312.72
23 37 23 13-0044	EA	30" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	5,787.65	334.25
23 37 23 13-0045	EA	36" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,872.34	240.88
23 37 23 13-0046	EA	36" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,247.94	264.19
23 37 23 13-0047	EA	36" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	5,085.98	316.29
23 37 23 13-0048	EA	36" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	5,663.88	352.21
23 37 23 13-0049	EA	36" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	6,010.74	373.87
23 37 23 13-0050	EA	36" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	6,473.07	402.53
23 37 23 13-0051	EA	36" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	7,282.23	452.84
23 37 23 13-0052	EA	42" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,623.20	269.67
23 37 23 13-0053	EA	42" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	5,739.98	334.76
23 37 23 13-0054	EA	42" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	6,545.21	381.76
23 37 23 13-0055	EA	42" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	6,778.89	395.39
23 37 23 13-0056	EA	42" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	7,558.09	440.75
23 37 23 13-0057	EA	42" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	8,311.28	484.69
23 37 23 13-0058	EA	48" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	6,098.13	389.28
23 37 23 13-0059	EA	48" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	6,596.51	421.13
23 37 23 13-0060	EA	48" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	7,094.76	452.98
23 37 23 13-0061	EA	48" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	7,877.79	502.91
23 37 23 13-0062	EA	48" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	8,345.58	509.53
23 37 23 13-0063	EA	54" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	7,080.98	438.83
23 37 23 13-0064	EA	54" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	7,942.79	492.21
23 37 23 13-0065	EA	54" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	8,618.33	534.11
23 37 23 13-0066	EA	54" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	9,177.25	568.77
23 37 23 13-0067	EA	60" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	8,826.08	546.34
23 37 23 13-0068	EA	60" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	9,267.15	582.40
23 37 23 13-0069	EA	60" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	9,933.76	627.11
23 37 23 13-0070	EA	66" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	9,256.11	630.04
23 37 23 13-0071	EA	66" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	10,823.95	736.78
23 37 23 13-0072	EA	72" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	11,173.63	679.33
23 37 23 13-0073		Round Gravity Relief Ventilator Hood *(23 37 23 13)*		
		Note: Includes integral birdscreen and built-in curb cap with prepunched holes.		
23 37 23 13-0074	EA	22" x 22" Base/Panel, 12" x 12" Throat, Aluminum, Gravity Intake/Relief Ventilator Hood (Greenheck GRS)	768.32	94.78

23 38 Ventilation Hoods *(23 30)*

23 38 13 Commercial-Kitchen Hoods *(23 38)*

23 38 13 13 Listed Commercial-Kitchen Hoods *(23 38 13)*

23 38 13 13-0001		Universal Ventless Hood *(23 38 13 13)*		
23 38 13 13-0002	EA	109" Wide x 50" Deep x 102" High, Ventless Exhaust Hood With Stand, (Wells WVU-96)	54,335.72	496.49

23 38 13 16 Standard Commercial-Kitchen Hoods *(23 38 13)*

23 38 13 16-0001		Commercial Kitchen Hood Ventilation System *(23 38 13 16)*		
		Note: Excludes fire suppression. See CSI section 21 24 16 00-0000 for fire suppression system, 23 31 13 23-0000 for duct, 23 34 16 00-0108 for exhaust and supply fans.		
23 38 13 16-0002		Dry Filter Exhaust Hoods *(23 38 13 16-0001)*		
		Note: Includes stainless steel filters, exhaust damper and 48" long fluorescent light fixtures.		
23 38 13 16-0003	EA	8' Long x 60" Deep Dry Filter Exhaust Hood	12,770.13	931.51
23 38 13 16-0004	EA	8'-6" Long x 60" Deep Dry Filter Exhaust Hood	13,298.81	989.74
23 38 13 16-0005	EA	9' Long x 60" Deep Dry Filter Exhaust Hood	14,844.74	1,047.95
23 38 13 16-0006	EA	9'-6" Long x 60" Deep Dry Filter Exhaust Hood	15,289.16	1,106.17
23 38 13 16-0007	EA	10' Long x 60" Deep Dry Filter Exhaust Hood	15,832.93	1,164.39
23 38 13 16-0008	EA	10'-6" Long x 60" Deep Dry Filter Exhaust Hood	16,408.48	1,222.61
23 38 13 16-0009	EA	11' Long x 60" Deep Dry Filter Exhaust Hood	16,952.95	1,280.83
23 38 13 16-0010	EA	11'-6" Long x 60" Deep Dry Filter Exhaust Hood	17,514.42	1,339.04
23 38 13 16-0011	EA	12' Long x 60" Deep Dry Filter Exhaust Hood	18,140.70	1,397.27
23 38 13 16-0012	EA	12'-6" Long x 60" Deep Dry Filter Exhaust Hood	18,682.25	1,455.49
23 38 13 16-0013	EA	13' Long x 60" Deep Dry Filter Exhaust Hood	19,127.81	1,513.71
23 38 13 16-0014	EA	13'-6" Long x 60" Deep Dry Filter Exhaust Hood	19,887.55	1,571.93
23 38 13 16-0015	EA	14' Long x 60" Deep Dry Filter Exhaust Hood	22,283.21	1,630.15
23 38 13 16-0016	EA	14'-6" Long x 60" Deep Dry Filter Exhaust Hood	22,880.02	1,688.36
23 38 13 16-0017	EA	15" Long x 60" Deep Dry Filter Exhaust Hood	23,696.94	1,746.58
23 38 13 16-0018	EA	15'-6" Long x 60" Deep Dry Filter Exhaust Hood	24,307.78	1,804.81
23 38 13 16-0019	EA	16' Long x 60" Deep Dry Filter Exhaust Hood	25,228.13	1,863.03
23 38 13 16-0020		Dry Extractor Exhaust Hoods *(23 38 13 16-0001)*		
		Note: Includes extractor inserts, exhaust damper, 48" long fluorescent light fixtures, and UDS filler panels.		
23 38 13 16-0021	EA	8' Long x 60" Deep Dry Extractor Exhaust Hood	17,961.51	931.51

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 38 13 16-0022	EA	8'-6" Long x 60" Deep Dry Extractor Exhaust Hood	18,523.05	989.74
23 38 13 16-0023	EA	9' Long x 60" Deep Dry Extractor Exhaust Hood	20,167.54	1,047.95
23 38 13 16-0024	EA	9'-6" Long x 60" Deep Dry Extractor Exhaust Hood	20,743.40	1,106.17
23 38 13 16-0025	EA	10' Long x 60" Deep Dry Extractor Exhaust Hood	21,320.02	1,164.39
23 38 13 16-0026	EA	10'-6" Long x 60" Deep Dry Extractor Exhaust Hood	21,862.71	1,222.61
23 38 13 16-0027	EA	11' Long x 60" Deep Dry Extractor Exhaust Hood	22,440.04	1,280.83
23 38 13 16-0028	EA	11'-6" Long x 60" Deep Dry Extractor Exhaust Hood	22,985.08	1,339.04
23 38 13 16-0029	EA	12' Long x 60" Deep Dry Extractor Exhaust Hood	23,496.37	1,397.27
23 38 13 16-0030	EA	12'-6" Long x 60" Deep Dry Extractor Exhaust Hood	24,235.06	1,455.49
23 38 13 16-0031	EA	13' Long x 60" Deep Dry Extractor Exhaust Hood	25,091.32	1,513.71
23 38 13 16-0032	EA	13'-6" Long x 60" Deep Dry Extractor Exhaust Hood	25,998.92	1,571.93
23 38 13 16-0033	EA	14' Long x 60" Deep Dry Extractor Exhaust Hood	27,918.15	1,630.15
23 38 13 16-0034	EA	14'-6" Long x 60" Deep Dry Extractor Exhaust Hood	28,843.54	1,688.36
23 38 13 16-0035	EA	15" Long x 60" Deep Dry Extractor Exhaust Hood	30,662.59	1,746.58
23 38 13 16-0036	EA	15'-6" Long x 60" Deep Dry Extractor Exhaust Hood	32,505.55	1,804.81
23 38 13 16-0037	EA	16' Long x 60" Deep Dry Extractor Exhaust Hood	34,329.47	1,863.03
23 38 13 16-0038		**Single Manifold Water Wash Exhaust Hoods** *(23 38 13 16-0001)* Note: Includes extraction baffles, 48" long fluorescent light fixtures, and UDS filler panels. Excludes fan wash control panel.		
23 38 13 16-0039	EA	8' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	19,275.78	931.51
23 38 13 16-0040	EA	8'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	19,870.18	989.74
23 38 13 16-0041	EA	9' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	21,547.53	1,047.95
23 38 13 16-0042	EA	9'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	22,139.81	1,106.17
23 38 13 16-0043	EA	10' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	22,765.72	1,164.39
23 38 13 16-0044	EA	10'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	23,341.27	1,222.61
23 38 13 16-0045	EA	11' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	23,935.02	1,280.83
23 38 13 16-0046	EA	11'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	24,529.36	1,339.04
23 38 13 16-0047	EA	12' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	25,057.07	1,397.27
23 38 13 16-0048	EA	12'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	25,861.47	1,455.49
23 38 13 16-0049	EA	13' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	26,783.45	1,513.71
23 38 13 16-0050	EA	13'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	27,756.76	1,571.93
23 38 13 16-0051	EA	14' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	29,741.71	1,630.15
23 38 13 16-0052	EA	14'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	30,732.80	1,688.36
23 38 13 16-0053	EA	15" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	32,732.57	1,746.58
23 38 13 16-0054	EA	15'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	33,721.26	1,804.81
23 38 13 16-0055	EA	16' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	34,707.32	1,863.03
23 38 13 16-0056	EA	Fan Wash Control Panel Note: Includes time clock and backflow preventer.	13,872.76	465.75
23 38 13 16-0057		**Utility Distribution System (UDS)** *(23 38 13 16-0001)* Note: Includes "L" shaped primary riser, secondary riser, horizontal mechanical and electrical raceway; 2" IPS looped gas manifold with two (2) solenoid gas valves; 1" hot water manifold; 1" cold water manifold; 100 Amp 120-208 VAC/3 Ph/60 Hz main shunt trip connectors; equipment restraints; flexible drain connectors; and power interruption device. Excludes main shunt breaker.		
23 38 13 16-0058	EA	8' Long Utility Distribution System (UDS)	36,951.49	473.68
23 38 13 16-0059	EA	8'-6" Long Utility Distribution System (UDS)	38,042.51	485.21
23 38 13 16-0060	EA	9' Long Utility Distribution System (UDS)	39,121.66	496.49
23 38 13 16-0061	EA	9'-6" Long Utility Distribution System (UDS)	40,210.02	512.33
23 38 13 16-0062	EA	10' Long Utility Distribution System (UDS)	41,291.80	524.91
23 38 13 16-0063	EA	10'-6" Long Utility Distribution System (UDS)	42,363.36	538.18
23 38 13 16-0064	EA	11' Long Utility Distribution System (UDS)	43,449.82	547.38
23 38 13 16-0065	EA	11'-6" Long Utility Distribution System (UDS)	44,535.20	561.82
23 38 13 16-0066	EA	12' Long Utility Distribution System (UDS)	45,632.65	582.20
23 38 13 16-0067	EA	12'-6" Long Utility Distribution System (UDS)	46,744.68	609.90
23 38 13 16-0068	EA	13' Long Utility Distribution System (UDS)	47,837.13	627.84
23 38 13 16-0069	EA	13'-6" Long Utility Distribution System (UDS)	48,944.97	653.45
23 38 13 16-0070	EA	14' Long Utility Distribution System (UDS)	50,042.82	674.06
23 38 13 16-0071	EA	14'-6" Long Utility Distribution System (UDS)	51,143.36	696.08
23 38 13 16-0072	EA	15' Long Utility Distribution System (UDS)	52,246.88	719.59
23 38 13 16-0073	EA	15'-6" Long Utility Distribution System (UDS)	53,353.65	744.63
23 38 13 16-0074	EA	16' Long Utility Distribution System (UDS)	54,445.70	762.44
23 38 13 16-0075		**Stainless Steel Exhaust Hood Material** *(23 38 13 16)* Note: Welded seams.		
23 38 13 16-0076	SF	16 Gauge, Type 304, Stainless Steel Exhaust Hood Material	50.84	16.88
		For Type 316 Stainless Steel, Add	*1.58*	
23 38 13 16-0077	SF	14 Gauge, Type 304, Stainless Steel Exhaust Hood Material	63.54	22.50
		For Type 316 Stainless Steel, Add	*1.98*	
23 38 13 16-0078	SF	12 Gauge, Type 304, Stainless Steel Exhaust Hood Material	88.26	30.38
		For Type 316 Stainless Steel, Add	*2.77*	
23 38 13 16-0079	SF	10 Gauge, Type 304, Stainless Steel Exhaust Hood Material	110.58	37.13
		For Type 316 Stainless Steel, Add	*3.56*	
23 38 13 16-0080		**Kitchen Exhaust Hood** *(23 38 13 16)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 38 13 16-0081	EA	10' x 4', Type 1, Low Ceiling Sloped Front Commercial Kitchen Hood System With PSP Makeup Air (Halifax LPSHP1048)	10,961.68	2,350.55
		Note: Ductwork connections by others.		
		For Type 316 Stainless Steel, Add	*626.06*	
23 38 13 16-0082	EA	8' x 4', Type 1, Commercial Kitchen Hood System With Short Cycle Makeup Air (Halifax SCHP848)	10,021.47	1,880.43
		Note: Ductwork connections by others.		
		For Type 316 Stainless Steel, Add	*626.06*	
23 38 13 16-0083	EA	4' x 4', Type 1, Low Ceiling Sloped Front Commercial Kitchen Hood System (Halifax LEXHP448)	5,447.77	940.22
		Note: Ductwork connections by others.		
		For Type 316 Stainless Steel, Add	*356.73*	
23 38 13 16-0084	EA	6' x 4', Type 1, Low Ceiling Sloped Front Commercial Kitchen Hood System (Halifax LEXHP648)	6,999.34	1,410.33
		Note: Ductwork connections by others.		
		For Type 316 Stainless Steel, Add	*417.87*	
23 38 13 16-0085	EA	5' x 4', Type 1, Commercial Kitchen Hood System (Halifax EXHP548)	6,314.44	1,175.27
		Note: Ductwork connections by others.		
		For Type 316 Stainless Steel, Add	*396.39*	

23 40 HVAC Air Cleaning Devices *(23)*

23 41 Particulate Air Filtration *(23 40)*

23 41 13 Panel Air Filters *(23 41)*

23 41 13 00-0001 Disposable Air Filters *(23 41 13)*

23 41 13 00-0002	EA	Throwaway Glass Or Paper Media Filter, Residential	13.82	

23 41 13 00-0003 Disposable Fiberglass Air Filters *(23 41 13)*

23 41 13 00-0004	EA	8" x 16" x 1" Disposable Fiberglass Air Filter, MERV 5	13.96	6.13
		Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0005	EA	8" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5	13.96	6.13
		Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0006	EA	8" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5	13.66	6.13
		Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0007	EA	10" x 10" x 1" Disposable Fiberglass Air Filter, MERV 5	13.56	6.41
		Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0008	EA	10" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5	13.56	6.41
		Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0009	EA	10" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5	13.56	6.41
		Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0010	EA	10" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5	13.56	6.41
		Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0011	EA	10" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5	13.80	6.41
		Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0012	EA	12" x 12" x 1" Disposable Fiberglass Air Filter, MERV 5	14.33	6.70
		Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0013	EA	12" x 16" x 1" Disposable Fiberglass Air Filter, MERV 5	14.31	6.70
		Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0014	EA	12" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5	13.63	6.70
		Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0015	EA	12" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5	13.63	6.70
		Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0016	EA	12" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5	13.63	6.70
		Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0017	EA	12" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5	16.27	6.70
		Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0018	EA	12" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5	19.28	6.70
		Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0019	EA	14" x 14" x 1" Disposable Fiberglass Air Filter, MERV 5	15.42	7.08
		Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0020	EA	14" x 18" x 1" Disposable Fiberglass Air Filter, MERV 5	17.94	7.08
		Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0021	EA	14" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5	14.45	7.08
		Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0022	EA	14" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5	15.42	7.08
		Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0023	EA	14" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5	14.45	7.08
		Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0024	EA	14" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5	16.33	7.08
		Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0025	EA	15" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5	14.63	7.28
		Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0026	EA	15" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5	14.63	7.28
		Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0027	EA	15" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5	19.03	7.28
		Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0028	EA	16" x 16" x 1" Disposable Fiberglass Air Filter, MERV 5	14.79	7.37
		Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0029	EA	16" x 18" x 1" Disposable Fiberglass Air Filter, MERV 5	16.43	7.37
		Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0030	EA	16" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5	14.84	7.37
		Note: One-piece kraft fiberboard frame with two metal grids.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 13 00-0031	EA	16" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	15.81	7.37
23 41 13 00-0032	EA	16" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	14.21	7.37
23 41 13 00-0033	EA	16" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	19.17	7.37
23 41 13 00-0034	EA	16" x 32" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	22.83	7.37
23 41 13 00-0035	EA	16" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	22.54	7.37
23 41 13 00-0036	EA	18" x 18" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	16.19	7.66
23 41 13 00-0037	EA	18" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	15.81	7.66
23 41 13 00-0038	EA	18" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	16.19	7.66
23 41 13 00-0039	EA	18" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	17.47	7.66
23 41 13 00-0040	EA	18" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	19.32	7.66
23 41 13 00-0041	EA	18" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	21.44	7.66
23 41 13 00-0042	EA	19" x 27" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	18.05	8.04
23 41 13 00-0043	EA	20" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	15.09	8.04
23 41 13 00-0044	EA	20" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	18.42	8.04
23 41 13 00-0045	EA	20" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	17.64	8.04
23 41 13 00-0046	EA	20" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	19.22	8.04
23 41 13 00-0047	EA	20" x 32" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	23.72	8.04
23 41 13 00-0048	EA	20" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	21.35	8.04
23 41 13 00-0049	EA	21" x 21" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	19.39	8.13
23 41 13 00-0050	EA	22" x 22" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	18.54	8.23
23 41 13 00-0051	EA	24" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	18.66	8.33
23 41 13 00-0052	EA	24" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	19.31	8.33
23 41 13 00-0053	EA	24" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	25.88	8.33
23 41 13 00-0054	EA	25" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	18.79	8.42
23 41 13 00-0055	EA	25" x 32" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	26.40	8.42
23 41 13 00-0056	EA	10" x 10" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	15.55	6.41
23 41 13 00-0057	EA	10" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	14.46	6.41
23 41 13 00-0058	EA	12" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	16.88	6.70
23 41 13 00-0059	EA	14" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	17.38	7.08
23 41 13 00-0060	EA	14" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	17.38	7.08
23 41 13 00-0061	EA	15" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	17.75	7.28
23 41 13 00-0062	EA	16" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	17.65	7.37
23 41 13 00-0063	EA	16" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	17.48	7.37
23 41 13 00-0064	EA	16" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	17.88	7.37
23 41 13 00-0065	EA	18" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	18.97	7.66
23 41 13 00-0066	EA	20" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	19.59	8.04
23 41 13 00-0067	EA	20" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	19.31	8.04
23 41 13 00-0068	EA	20" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	19.31	8.04
23 41 13 00-0069	EA	24" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	19.98	8.33
23 41 13 00-0070	EA	25" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	20.11	8.42
23 41 13 00-0071		Disposable Pleated Air Filters *(23 41 13)*		
23 41 13 00-0072	EA	10" x 20" x 1" Disposable Pleated Air Filter, MERV 8	14.67	6.41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 13 00-0073	EA	10" x 24" x 1" Disposable Pleated Air Filter, MERV 8	21.90	6.41
23 41 13 00-0074	EA	10" x 30" x 1" Disposable Pleated Air Filter, MERV 8	27.60	6.41
23 41 13 00-0075	EA	12" x 12" x 1" Disposable Pleated Air Filter, MERV 8	18.96	6.70
23 41 13 00-0076	EA	12" x 20" x 1" Disposable Pleated Air Filter, MERV 8	17.61	6.70
23 41 13 00-0077	EA	12" x 24" x 1" Disposable Pleated Air Filter, MERV 8	17.40	6.70
23 41 13 00-0078	EA	12" x 25" x 1" Disposable Pleated Air Filter, MERV 8	17.40	6.70
23 41 13 00-0079	EA	12" x 30" x 1" Disposable Pleated Air Filter, MERV 8	27.99	6.70
23 41 13 00-0080	EA	14" x 14" x 1" Disposable Pleated Air Filter, MERV 8	21.46	7.08
23 41 13 00-0081	EA	14" x 20" x 1" Disposable Pleated Air Filter, MERV 8	18.11	7.08
23 41 13 00-0082	EA	14" x 24" x 1" Disposable Pleated Air Filter, MERV 8	23.17	7.08
23 41 13 00-0083	EA	14" x 25" x 1" Disposable Pleated Air Filter, MERV 8	18.73	7.08
23 41 13 00-0084	EA	14" x 30" x 1" Disposable Pleated Air Filter, MERV 8	26.96	7.08
23 41 13 00-0085	EA	15" x 20" x 1" Disposable Pleated Air Filter, MERV 8	18.50	7.28
23 41 13 00-0086	EA	16" x 16" x 1" Disposable Pleated Air Filter, MERV 8	21.85	7.37
23 41 13 00-0087	EA	16" x 20" x 1" Disposable Pleated Air Filter, MERV 8	18.22	7.37
23 41 13 00-0088	EA	16" x 24" x 1" Disposable Pleated Air Filter, MERV 8	21.27	7.37
23 41 13 00-0089	EA	16" x 25" x 1" Disposable Pleated Air Filter, MERV 8	18.91	7.37
23 41 13 00-0090	EA	16" x 30" x 1" Disposable Pleated Air Filter, MERV 8	27.35	7.37
23 41 13 00-0091	EA	18" x 18" x 1" Disposable Pleated Air Filter, MERV 8	29.26	7.66
23 41 13 00-0092	EA	18" x 20" x 1" Disposable Pleated Air Filter, MERV 8	21.61	7.66
23 41 13 00-0093	EA	18" x 24" x 1" Disposable Pleated Air Filter, MERV 8	21.23	7.66
23 41 13 00-0094	EA	18" x 25" x 1" Disposable Pleated Air Filter, MERV 8	20.97	7.66
23 41 13 00-0095	EA	18" x 30" x 1" Disposable Pleated Air Filter, MERV 8	29.44	7.66
23 41 13 00-0096	EA	20" x 20" x 1" Disposable Pleated Air Filter, MERV 8	19.91	8.04
23 41 13 00-0097	EA	20" x 24" x 1" Disposable Pleated Air Filter, MERV 8	21.30	8.04
23 41 13 00-0098	EA	20" x 25" x 1" Disposable Pleated Air Filter, MERV 8	21.06	8.04
23 41 13 00-0099	EA	20" x 30" x 1" Disposable Pleated Air Filter, MERV 8	23.83	8.04
23 41 13 00-0100	EA	22" x 22" x 1" Disposable Pleated Air Filter, MERV 8	29.01	8.23
23 41 13 00-0101	EA	24" x 24" x 1" Disposable Pleated Air Filter, MERV 8	22.68	8.33
23 41 13 00-0102	EA	24" x 30" x 1" Disposable Pleated Air Filter, MERV 8	35.80	8.33
23 41 13 00-0103	EA	25" x 25" x 1" Disposable Pleated Air Filter, MERV 8	24.02	8.42
23 41 13 00-0104	EA	10" x 20" x 2" Disposable Pleated Air Filter, MERV 8	17.36	6.41
23 41 13 00-0105	EA	12" x 12" x 2" Disposable Pleated Air Filter, MERV 8	22.71	6.70
23 41 13 00-0106	EA	12" x 20" x 2" Disposable Pleated Air Filter, MERV 8	18.20	6.70
23 41 13 00-0107	EA	12" x 24" x 2" Disposable Pleated Air Filter, MERV 8	17.92	6.70
23 41 13 00-0108	EA	14" x 20" x 2" Disposable Pleated Air Filter, MERV 8	18.94	7.08
23 41 13 00-0109	EA	14" x 25" x 2" Disposable Pleated Air Filter, MERV 8	19.78	7.08
23 41 13 00-0110	EA	15" x 20" x 2" Disposable Pleated Air Filter, MERV 8	19.20	7.28
23 41 13 00-0111	EA	16" x 16" x 2" Disposable Pleated Air Filter, MERV 8	24.19	7.37
23 41 13 00-0112	EA	16" x 20" x 2" Disposable Pleated Air Filter, MERV 8	18.81	7.37
23 41 13 00-0113	EA	16" x 24" x 2" Disposable Pleated Air Filter, MERV 8	21.48	7.37
23 41 13 00-0114	EA	16" x 25" x 2" Disposable Pleated Air Filter, MERV 8	19.89	7.37
23 41 13 00-0115	EA	18" x 18" x 2" Disposable Pleated Air Filter, MERV 8	27.94	7.66
23 41 13 00-0116	EA	18" x 20" x 2" Disposable Pleated Air Filter, MERV 8	23.81	7.66
23 41 13 00-0117	EA	18" x 24" x 2" Disposable Pleated Air Filter, MERV 8	21.61	7.66
23 41 13 00-0118	EA	18" x 25" x 2" Disposable Pleated Air Filter, MERV 8	22.45	7.66
23 41 13 00-0119	EA	20" x 20" x 2" Disposable Pleated Air Filter, MERV 8	20.99	8.04
23 41 13 00-0120	EA	20" x 24" x 2" Disposable Pleated Air Filter, MERV 8	22.51	8.04
23 41 13 00-0121	EA	20" x 25" x 2" Disposable Pleated Air Filter, MERV 8	22.25	8.04
23 41 13 00-0122	EA	20" x 30" x 2" Disposable Pleated Air Filter, MERV 8	32.21	8.04
23 41 13 00-0123	EA	24" x 24" x 2" Disposable Pleated Air Filter, MERV 8	23.86	8.33
23 41 13 00-0124	EA	25" x 25" x 2" Disposable Pleated Air Filter, MERV 8	26.39	8.42
23 41 13 00-0125	EA	12" x 24" x 4" Disposable Pleated Air Filter, MERV 8	27.57	6.70
23 41 13 00-0126	EA	16" x 20" x 4" Disposable Pleated Air Filter, MERV 8	29.79	7.37
23 41 13 00-0127	EA	16" x 25" x 4" Disposable Pleated Air Filter, MERV 8	31.86	7.37
23 41 13 00-0128	EA	18" x 24" x 4" Disposable Pleated Air Filter, MERV 8	34.37	7.66
23 41 13 00-0129	EA	20" x 20" x 4" Disposable Pleated Air Filter, MERV 8	32.64	8.04
23 41 13 00-0130	EA	20" x 24" x 4" Disposable Pleated Air Filter, MERV 8	35.54	8.04
23 41 13 00-0131	EA	20" x 25" x 4" Disposable Pleated Air Filter, MERV 8	35.81	8.04
23 41 13 00-0132	EA	24" x 24" x 4" Disposable Pleated Air Filter, MERV 8	39.10	8.33
23 41 13 00-0133	EA	10" x 20" x 1" Disposable Pleated Air Filter, MERV 11	25.07	6.41
23 41 13 00-0134	EA	10" x 24" x 1" Disposable Pleated Air Filter, MERV 11	25.07	6.41
23 41 13 00-0135	EA	10" x 30" x 1" Disposable Pleated Air Filter, MERV 11	32.56	6.41
23 41 13 00-0136	EA	12" x 12" x 1" Disposable Pleated Air Filter, MERV 11	26.58	6.70
23 41 13 00-0137	EA	12" x 20" x 1" Disposable Pleated Air Filter, MERV 11	25.90	6.70
23 41 13 00-0138	EA	12" x 24" x 1" Disposable Pleated Air Filter, MERV 11	25.79	6.70
23 41 13 00-0139	EA	12" x 30" x 1" Disposable Pleated Air Filter, MERV 11	36.96	6.70
23 41 13 00-0140	EA	14" x 14" x 1" Disposable Pleated Air Filter, MERV 11	30.20	7.08
23 41 13 00-0141	EA	14" x 20" x 1" Disposable Pleated Air Filter, MERV 11	26.57	7.08
23 41 13 00-0142	EA	14" x 24" x 1" Disposable Pleated Air Filter, MERV 11	34.37	7.08
23 41 13 00-0143	EA	14" x 25" x 1" Disposable Pleated Air Filter, MERV 11	33.62	7.08
23 41 13 00-0144	EA	14" x 30" x 1" Disposable Pleated Air Filter, MERV 11	39.50	7.08
23 41 13 00-0145	EA	15" x 20" x 1" Disposable Pleated Air Filter, MERV 11	25.50	7.28
23 41 13 00-0146	EA	16" x 16" x 1" Disposable Pleated Air Filter, MERV 11	36.21	7.37
23 41 13 00-0147	EA	16" x 20" x 1" Disposable Pleated Air Filter, MERV 11	23.81	7.37
23 41 13 00-0148	EA	16" x 24" x 1" Disposable Pleated Air Filter, MERV 11	30.76	7.37
23 41 13 00-0149	EA	16" x 25" x 1" Disposable Pleated Air Filter, MERV 11	28.25	7.37
23 41 13 00-0150	EA	16" x 30" x 1" Disposable Pleated Air Filter, MERV 11	37.37	7.37
23 41 13 00-0151	EA	18" x 18" x 1" Disposable Pleated Air Filter, MERV 11	38.23	7.66
23 41 13 00-0152	EA	18" x 20" x 1" Disposable Pleated Air Filter, MERV 11	32.41	7.66
23 41 13 00-0153	EA	18" x 24" x 1" Disposable Pleated Air Filter, MERV 11	29.20	7.66

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 13 00-0154	EA	18" x 25" x 1" Disposable Pleated Air Filter, MERV 11	31.14	7.66
23 41 13 00-0155	EA	18" x 30" x 1" Disposable Pleated Air Filter, MERV 11	43.23	7.66
23 41 13 00-0156	EA	20" x 20" x 1" Disposable Pleated Air Filter, MERV 11	29.32	8.04
23 41 13 00-0157	EA	20" x 24" x 1" Disposable Pleated Air Filter, MERV 11	32.19	8.04
23 41 13 00-0158	EA	20" x 25" x 1" Disposable Pleated Air Filter, MERV 11	32.50	8.04
23 41 13 00-0159	EA	20" x 30" x 1" Disposable Pleated Air Filter, MERV 11	37.85	8.04
23 41 13 00-0160	EA	22" x 22" x 1" Disposable Pleated Air Filter, MERV 11	41.92	8.23
23 41 13 00-0161	EA	24" x 24" x 1" Disposable Pleated Air Filter, MERV 11	35.28	8.33
23 41 13 00-0162	EA	24" x 30" x 1" Disposable Pleated Air Filter, MERV 11	45.77	8.33
23 41 13 00-0163	EA	25" x 25" x 1" Disposable Pleated Air Filter, MERV 11	39.72	8.42
23 41 13 00-0164	EA	10" x 20" x 2" Disposable Pleated Air Filter, MERV 11	25.51	6.41
23 41 13 00-0165	EA	12" x 12" x 2" Disposable Pleated Air Filter, MERV 11	26.87	6.70
23 41 13 00-0166	EA	12" x 20" x 2" Disposable Pleated Air Filter, MERV 11	25.54	6.70
23 41 13 00-0167	EA	12" x 24" x 2" Disposable Pleated Air Filter, MERV 11	30.01	6.70
23 41 13 00-0168	EA	14" x 20" x 2" Disposable Pleated Air Filter, MERV 11	26.88	7.08
23 41 13 00-0169	EA	14" x 25" x 2" Disposable Pleated Air Filter, MERV 11	28.17	7.08
23 41 13 00-0170	EA	15" x 20" x 2" Disposable Pleated Air Filter, MERV 11	27.62	7.28
23 41 13 00-0171	EA	16" x 16" x 2" Disposable Pleated Air Filter, MERV 11	36.96	7.37
23 41 13 00-0172	EA	16" x 20" x 2" Disposable Pleated Air Filter, MERV 11	32.17	7.37
23 41 13 00-0173	EA	16" x 24" x 2" Disposable Pleated Air Filter, MERV 11	31.36	7.37
23 41 13 00-0174	EA	16" x 25" x 2" Disposable Pleated Air Filter, MERV 11	35.52	7.37
23 41 13 00-0175	EA	18" x 18" x 2" Disposable Pleated Air Filter, MERV 11	42.60	7.66
23 41 13 00-0176	EA	18" x 20" x 2" Disposable Pleated Air Filter, MERV 11	33.77	7.66
23 41 13 00-0177	EA	18" x 24" x 2" Disposable Pleated Air Filter, MERV 11	38.55	7.66
23 41 13 00-0178	EA	18" x 25" x 2" Disposable Pleated Air Filter, MERV 11	33.39	7.66
23 41 13 00-0179	EA	20" x 20" x 2" Disposable Pleated Air Filter, MERV 11	37.03	8.04
23 41 13 00-0180	EA	20" x 24" x 2" Disposable Pleated Air Filter, MERV 11	39.69	8.04
23 41 13 00-0181	EA	20" x 25" x 2" Disposable Pleated Air Filter, MERV 11	40.08	8.04
23 41 13 00-0182	EA	24" x 24" x 2" Disposable Pleated Air Filter, MERV 11	40.07	8.33
23 41 13 00-0183	EA	25" x 25" x 2" Disposable Pleated Air Filter, MERV 11	40.59	8.42
23 41 13 00-0184	EA	12" x 24" x 4" Disposable Pleated Air Filter, MERV 11	48.81	6.70
23 41 13 00-0185	EA	16" x 20" x 4" Disposable Pleated Air Filter, MERV 11	49.99	7.37
23 41 13 00-0186	EA	16" x 25" x 4" Disposable Pleated Air Filter, MERV 11	59.53	7.37
23 41 13 00-0187	EA	18" x 24" x 4" Disposable Pleated Air Filter, MERV 11	59.45	7.66
23 41 13 00-0188	EA	20" x 20" x 4" Disposable Pleated Air Filter, MERV 11	59.22	8.04
23 41 13 00-0189	EA	20" x 24" x 4" Disposable Pleated Air Filter, MERV 11	65.21	8.04
23 41 13 00-0190	EA	20" x 25" x 4" Disposable Pleated Air Filter, MERV 11	65.21	8.04
23 41 13 00-0191	EA	24" x 24" x 4" Disposable Pleated Air Filter, MERV 11	72.78	8.33
23 41 13 00-0192	EA	8" x 16" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.98	6.13
23 41 13 00-0193	EA	8" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.98	6.13
23 41 13 00-0194	EA	8" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.98	6.13
23 41 13 00-0195	EA	10" x 10" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.36	6.41
23 41 13 00-0196	EA	10" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	30.96	6.41
23 41 13 00-0197	EA	10" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.36	6.41
23 41 13 00-0198	EA	10" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.36	6.41
23 41 13 00-0199	EA	10" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.36	6.41
23 41 13 00-0200	EA	12" x 12" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.35	6.70
23 41 13 00-0201	EA	12" x 16" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.75	6.70
23 41 13 00-0202	EA	12" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.35	6.70
23 41 13 00-0203	EA	12" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.35	6.70
23 41 13 00-0204	EA	12" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.75	6.70
23 41 13 00-0205	EA	12" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.75	6.70
23 41 13 00-0206	EA	12" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	34.15	6.70
23 41 13 00-0207	EA	14" x 14" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.85	7.08
23 41 13 00-0208	EA	14" x 18" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.25	7.08
23 41 13 00-0209	EA	14" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.85	7.08
23 41 13 00-0210	EA	14" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.85	7.08
23 41 13 00-0211	EA	14" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.85	7.08
23 41 13 00-0212	EA	14" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.25	7.08
23 41 13 00-0213	EA	15" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.11	7.28
23 41 13 00-0214	EA	15" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.51	7.28
23 41 13 00-0215	EA	15" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.51	7.28
23 41 13 00-0216	EA	16" x 16" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.24	7.37
23 41 13 00-0217	EA	16" x 18" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.64	7.37
23 41 13 00-0218	EA	16" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.24	7.37
23 41 13 00-0219	EA	16" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.24	7.37
23 41 13 00-0220	EA	16" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.24	7.37
23 41 13 00-0221	EA	16" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.64	7.37
23 41 13 00-0222	EA	16" x 32" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.64	7.37
23 41 13 00-0223	EA	16" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	38.20	7.37
23 41 13 00-0224	EA	18" x 18" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.62	7.66
23 41 13 00-0225	EA	18" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	35.42	7.66
23 41 13 00-0226	EA	18" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.62	7.66
23 41 13 00-0227	EA	18" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	35.42	7.66
23 41 13 00-0228	EA	18" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	35.42	7.66
23 41 13 00-0229	EA	18" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	38.58	7.66
23 41 13 00-0230	EA	19" x 27" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	35.93	8.04
23 41 13 00-0231	EA	20" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.13	8.04
23 41 13 00-0232	EA	20" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.13	8.04
23 41 13 00-0233	EA	20" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.13	8.04
23 41 13 00-0234	EA	20" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	34.53	8.04

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 13 00-0235	EA	20" x 32" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	39.09	8.04
23 41 13 00-0236	EA	20" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	39.09	8.04
23 41 13 00-0237	EA	21" x 21" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	36.06	8.13
23 41 13 00-0238	EA	22" x 22" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	34.79	8.23
23 41 13 00-0239	EA	24" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	37.72	8.33
23 41 13 00-0240	EA	24" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	37.72	8.33
23 41 13 00-0241	EA	24" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	42.27	8.33
23 41 13 00-0242	EA	25" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	37.85	8.42
23 41 13 00-0243	EA	25" x 32" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	42.40	8.42
23 41 13 00-0244	EA	30" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	42.65	8.61
23 41 13 00-0245		Carbon Vapor Trap, Disposable V-Bank Filter *(23 41 13)*		
23 41 13 00-0246	EA	24" x 24" x 12" Thick Carbon Vapor, Disposable V-Bank Filter	970.81	19.14
23 41 13 00-0247		Electrostatic Air Filters With Frame, Element And Busbar *(23 41 13)*		
23 41 13 00-0248	MF3	Electrostatic Air Filter, High Efficiency Non-Supported With Frame, Element And Busbar	72.91	
23 41 13 00-0249	MF3	Electrostatic Air Filter, Medium Efficiency Non-Supported With Frame, Element And Busbar	70.42	
23 41 13 00-0250	MF3	Electrostatic Air Filter, Glass/Paper Throwaway With Frame, Element And Busbar	3.04	

23 41 16 Renewable-Media Air Filters *(23 41)*

23 41 16 00-0001		Renewable-Media Electrostatic Air Filters With Frame, Element And Busbar *(23 41 16)*		
23 41 16 00-0002	MF3	Electrostatic Air Filter, 5' Disposable Roll Renewable With Frame, Element And Busbar	125.46	

23 41 19 Washable Air Filters *(23 41)*

23 41 19 00-0001		Washable Electrostatic Air Filters With Frame, Element And Busbar *(23 41 19)*		
23 41 19 00-0002	MF3	Electrostatic Air Filter, Permanent, Washable With Frame, Element And Busbar	47.91	

23 41 33 High-Efficiency Particulate Filtration *(23 41)*

23 41 33 00-0001		High Efficiency Particulate Air (HEPA) Filters *(23 41 33)* Note: Includes particleboard and kraft paper frame and separator material. See CSI section 23 41 13 00-0000 for prefilters.		
23 41 33 00-0002		High Efficiency Particulate Air (HEPA) Filters DOP Efficiency-95% *(23 41 33 00-0001)*		
23 41 33 00-0003	EA	12" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 150 CFM, Complete	130.75	17.86
		For Removal And Replacement In Existing Equipment, Add	*3.57*	
		For >10 To 25, Deduct	*-3.27*	
		For >25 To 50, Deduct	*-6.54*	
		For >50 To 100, Deduct	*-9.81*	
		For >100, Deduct	*-13.08*	
23 41 33 00-0004	EA	24" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 375 CFM, Complete	173.46	20.42
		For Removal And Replacement In Existing Equipment, Add	*4.08*	
		For >10 To 25, Deduct	*-4.34*	
		For >25 To 50, Deduct	*-8.67*	
		For >50 To 100, Deduct	*-13.01*	
		For >100, Deduct	*-17.35*	
23 41 33 00-0005	EA	24" x 18" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 450 CFM, Complete	202.98	23.61
		For Removal And Replacement In Existing Equipment, Add	*4.72*	
		For >10 To 25, Deduct	*-5.07*	
		For >25 To 50, Deduct	*-10.15*	
		For >50 To 100, Deduct	*-15.22*	
		For >100, Deduct	*-20.30*	
23 41 33 00-0006	EA	24" x 24" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 700 CFM, Complete	232.53	26.80
		For Removal And Replacement In Existing Equipment, Add	*5.36*	
		For >10 To 25, Deduct	*-5.81*	
		For >25 To 50, Deduct	*-11.63*	
		For >50 To 100, Deduct	*-17.44*	
		For >100, Deduct	*-23.25*	
23 41 33 00-0007	EA	12" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 250 CFM, Complete	159.01	19.14
		For Removal And Replacement In Existing Equipment, Add	*3.83*	
		For >10 To 25, Deduct	*-3.98*	
		For >25 To 50, Deduct	*-7.95*	
		For >50 To 100, Deduct	*-11.93*	
		For >100, Deduct	*-15.90*	
23 41 33 00-0008	EA	24" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 500 CFM, Complete	213.16	22.33
		For Removal And Replacement In Existing Equipment, Add	*4.47*	
		For >10 To 25, Deduct	*-5.33*	
		For >25 To 50, Deduct	*-10.66*	
		For >50 To 100, Deduct	*-15.99*	
		For >100, Deduct	*-21.32*	
23 41 33 00-0009	EA	24" x 18" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 875 CFM, Complete	254.66	25.52
		For Removal And Replacement In Existing Equipment, Add	*5.11*	
		For >10 To 25, Deduct	*-6.37*	
		For >25 To 50, Deduct	*-12.73*	
		For >50 To 100, Deduct	*-19.10*	
		For >100, Deduct	*-25.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 33 00-0010	EA	24" x 24" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 1,000 CFM, Complete	302.53	31.91
		For Removal And Replacement In Existing Equipment, Add	*6.38*	
		For >10 To 25, Deduct	*-7.56*	
		For >25 To 50, Deduct	*-15.13*	
		For >50 To 100, Deduct	*-22.69*	
		For >100, Deduct	*-30.25*	
23 41 33 00-0011		**High Efficiency Particulate Air (HEPA) Filters DOP Efficiency-99.99%** *(23 41 33 00-0001)*		
23 41 33 00-0012	EA	12" x 12" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	112.09	15.95
		For Removal And Replacement In Existing Equipment, Add	*3.19*	
		For >10 To 25, Deduct	*-2.80*	
		For >25 To 50, Deduct	*-5.60*	
		For >50 To 100, Deduct	*-8.41*	
		For >100, Deduct	*-11.21*	
23 41 33 00-0013	EA	24" x 12" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	154.81	19.14
		For Removal And Replacement In Existing Equipment, Add	*3.83*	
		For >10 To 25, Deduct	*-3.87*	
		For >25 To 50, Deduct	*-7.74*	
		For >50 To 100, Deduct	*-11.61*	
		For >100, Deduct	*-15.48*	
23 41 33 00-0014	EA	24" x 24" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	236.12	22.33
		For Removal And Replacement In Existing Equipment, Add	*4.47*	
		For >10 To 25, Deduct	*-5.90*	
		For >25 To 50, Deduct	*-11.81*	
		For >50 To 100, Deduct	*-17.71*	
		For >100, Deduct	*-23.61*	
23 41 33 00-0015	EA	36" x 24" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	303.22	25.52
		For Removal And Replacement In Existing Equipment, Add	*5.11*	
		For >10 To 25, Deduct	*-7.58*	
		For >25 To 50, Deduct	*-15.16*	
		For >50 To 100, Deduct	*-22.74*	
		For >100, Deduct	*-30.32*	
23 41 33 00-0016	EA	8" x 8" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	105.63	12.76
		For Removal And Replacement In Existing Equipment, Add	*2.55*	
		For >10 To 25, Deduct	*-2.64*	
		For >25 To 50, Deduct	*-5.28*	
		For >50 To 100, Deduct	*-7.92*	
		For >100, Deduct	*-10.56*	
23 41 33 00-0017	EA	12" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 150 CFM, Complete	140.03	17.23
		For Removal And Replacement In Existing Equipment, Add	*3.45*	
		For >10 To 25, Deduct	*-3.50*	
		For >25 To 50, Deduct	*-7.00*	
		For >50 To 100, Deduct	*-10.50*	
		For >100, Deduct	*-14.00*	
23 41 33 00-0018	EA	24" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 325 CFM, Complete	188.19	20.42
		For Removal And Replacement In Existing Equipment, Add	*4.08*	
		For >10 To 25, Deduct	*-4.70*	
		For >25 To 50, Deduct	*-9.41*	
		For >50 To 100, Deduct	*-14.11*	
		For >100, Deduct	*-18.82*	
23 41 33 00-0019	EA	24" x 18" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 550 CFM, Complete	220.94	23.93
		For Removal And Replacement In Existing Equipment, Add	*4.79*	
		For >10 To 25, Deduct	*-5.52*	
		For >25 To 50, Deduct	*-11.05*	
		For >50 To 100, Deduct	*-16.57*	
		For >100, Deduct	*-22.09*	
23 41 33 00-0020	EA	24" x 24" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 775 CFM, Complete	252.41	26.80
		For Removal And Replacement In Existing Equipment, Add	*5.36*	
		For >10 To 25, Deduct	*-6.31*	
		For >25 To 50, Deduct	*-12.62*	
		For >50 To 100, Deduct	*-18.93*	
		For >100, Deduct	*-25.24*	
23 41 33 00-0021	EA	12" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 250 CFM, Complete	172.42	19.14
		For Removal And Replacement In Existing Equipment, Add	*3.83*	
		For >10 To 25, Deduct	*-4.31*	
		For >25 To 50, Deduct	*-8.62*	
		For >50 To 100, Deduct	*-12.93*	
		For >100, Deduct	*-17.24*	
23 41 33 00-0022	EA	24" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 500 CFM, Complete	231.89	22.33
		For Removal And Replacement In Existing Equipment, Add	*4.47*	
		For >10 To 25, Deduct	*-5.80*	
		For >25 To 50, Deduct	*-11.59*	
		For >50 To 100, Deduct	*-17.39*	
		For >100, Deduct	*-23.19*	
23 41 33 00-0023	EA	24" x 18" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 775 CFM, Complete	277.28	25.52
		For Removal And Replacement In Existing Equipment, Add	*5.11*	
		For >10 To 25, Deduct	*-6.93*	
		For >25 To 50, Deduct	*-13.86*	
		For >50 To 100, Deduct	*-20.80*	
		For >100, Deduct	*-27.73*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 33 00-0024	EA	24" x 24" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 1,100 CFM, Complete	341.67	31.91
		For Removal And Replacement In Existing Equipment, Add	*6.38*	
		For >10 To 25, Deduct	*-8.54*	
		For >25 To 50, Deduct	*-17.08*	
		For >50 To 100, Deduct	*-25.63*	
		For >100, Deduct	*-34.17*	

23 41 33 00-0025 High Efficiency Particulate Air (HEPA) Filter Housings, 14 Gauge Galvanized Sheet Metal *(23 41 33)*

Note: Nominal sizes.

23 41 33 00-0026	EA	12" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	325.46	95.20
23 41 33 00-0027	EA	24" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	608.16	189.21
23 41 33 00-0028	EA	24" x 18" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	617.32	189.21
23 41 33 00-0029	EA	24" x 24" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	623.42	189.21
23 41 33 00-0030	EA	24" x 48" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	666.17	189.21
23 41 33 00-0031	EA	24" x 72" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	719.61	189.21
23 41 33 00-0032	EA	48" x 48" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,179.68	379.62
23 41 33 00-0033	EA	48" x 72" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,309.46	379.62
23 41 33 00-0034	EA	48" x 96" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,474.35	379.62
23 41 33 00-0035	EA	12" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	351.42	95.20
23 41 33 00-0036	EA	24" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	652.43	189.21
23 41 33 00-0037	EA	24" x 18" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	663.12	189.21
23 41 33 00-0038	EA	24" x 24" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	670.75	189.21
23 41 33 00-0039	EA	24" x 48" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	721.14	189.21
23 41 33 00-0040	EA	24" x 72" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	788.32	189.21
23 41 33 00-0041	EA	48" x 48" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,286.55	379.62
23 41 33 00-0042	EA	48" x 72" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,448.39	379.62
23 41 33 00-0043	EA	48" x 96" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,652.99	379.62

23 41 33 00-0044 Filter, Bag Type, 90-95% Efficiency *(23 41 33)*

23 41 33 00-0045	EA	0.75 - 1.25 MCFM, 24" x 12" x 29" Filter, Bag Type, 90 - 95% Efficiency	292.34	123.40
23 41 33 00-0046	EA	1.5 - 2.5 MCFM, 24" x 24" x 29" Filter, Bag Type, 90 - 95% Efficiency	335.06	123.40

23 41 33 00-0047 Filter, Bag Type, 80-85% Efficiency *(23 41 33)*

23 41 33 00-0048	EA	0.75 - 1.25 MCFM, 24" x 12" x 29" Filter, Bag Type, 80 - 85% Efficiency	287.43	123.40
23 41 33 00-0049	EA	1.5 - 2.5 MCFM, 24" x 24" x 29" Filter, Bag Type, 80 - 85% Efficiency	318.95	123.40

23 42 Gas-Phase Air Filtration *(23 40)*

23 42 13 Activated-Carbon Air Filtration *(23 42)*

23 42 13 00-0001	EA	12" x 24" x 1" Thick Activated Carbon Honeycomb Disposable Filter	47.14	9.57
23 42 13 00-0002	EA	16" x 20" x 1" Thick Activated Carbon Honeycomb Disposable Filter	47.67	9.57
23 42 13 00-0003	EA	16" x 25" x 1" Thick Activated Carbon Honeycomb Disposable Filter	47.99	9.57
23 42 13 00-0004	EA	20" x 20" x 1" Thick Activated Carbon Honeycomb Disposable Filter	47.99	9.57
23 42 13 00-0005	EA	20" x 25" x 1" Thick Activated Carbon Honeycomb Disposable Filter	52.00	9.57
23 42 13 00-0006	EA	24" x 24" x 1" Thick Activated Carbon Honeycomb Disposable Filter	58.58	9.57
23 42 13 00-0007	EA	12" x 24" x 2" Thick Activated Carbon Honeycomb Disposable Filter	59.49	10.85
23 42 13 00-0008	EA	16" x 20" x 2" Thick Activated Carbon Honeycomb Disposable Filter	59.94	10.85
23 42 13 00-0009	EA	16" x 25" x 2" Thick Activated Carbon Honeycomb Disposable Filter	60.32	10.85
23 42 13 00-0010	EA	20" x 20" x 2" Thick Activated Carbon Honeycomb Disposable Filter	60.32	10.85
23 42 13 00-0011	EA	20" x 25" x 2" Thick Activated Carbon Honeycomb Disposable Filter	64.75	10.85
23 42 13 00-0012	EA	24" x 24" x 2" Thick Activated Carbon Honeycomb Disposable Filter	77.09	10.85
23 42 13 00-0013	EA	16" x 20" x 1" Thick Carbon Impregnated Pleated Air Filter	28.81	9.57
23 42 13 00-0014	EA	16" x 25" x 1" Thick Carbon Impregnated Pleated Air Filter	30.72	9.57
23 42 13 00-0015	EA	20" x 20" x 1" Thick Carbon Impregnated Pleated Air Filter	30.79	9.57
23 42 13 00-0016	EA	20" x 25" x 1" Thick Carbon Impregnated Pleated Air Filter	33.28	9.57
23 42 13 00-0017	EA	24" x 24" x 1" Thick Carbon Impregnated Pleated Air Filter	35.50	9.57
23 42 13 00-0018	EA	16" x 20" x 2" Thick Carbon Impregnated Pleated Air Filter	33.35	10.85
23 42 13 00-0019	EA	16" x 25" x 2" Thick Carbon Impregnated Pleated Air Filter	36.67	10.85
23 42 13 00-0020	EA	20" x 20" x 2" Thick Carbon Impregnated Pleated Air Filter	37.38	10.85
23 42 13 00-0021	EA	20" x 25" x 2" Thick Carbon Impregnated Pleated Air Filter	41.49	10.85
23 42 13 00-0022	EA	24" x 24" x 2" Thick Carbon Impregnated Pleated Air Filter	44.11	10.85
23 42 13 00-0023	EA	24" x 24" x 4" Thick Carbon Impregnated Pleated Air Filter	72.47	11.48

23 43 Electronic Air Cleaners *(23 40)*

23 43 23 Self-Contained Electronic Air Cleaners *(23 43)*

23 43 23 00-0001 Stationary Floor, Room Air Purifier *(23 43 23)*

23 43 23 00-0002	EA	Stationary Floor Room Air Purifier, Up to 390 SF (Blueair Pro M)	1,166.02
23 43 23 00-0003	EA	Stationary Floor Room Air Purifier, Up to 780 SF (Blueair Pro L)	1,622.48
23 43 23 00-0004	EA	Stationary Floor Room Air Purifier, Up to 1,180 SF (Blueair Pro XL)	4,100.38
23 43 23 00-0005	EA	Stationary Floor Room Air Purifier, Up to 550 SF (Delos Compact)	919.88
23 43 23 00-0006	EA	Stationary Floor Room Air Purifier, Up to 1,125 SF (Delos 468 Ultrafine)	1,653.47
23 43 23 00-0007	EA	Stationary Floor Room Air Purifier, Up to 3,500 SF (Delos 980P Commercial)	6,544.07

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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 43 23 00-0008		**Surface Mounted, Room Air Purifier** *(23 43 23)*		
23 43 23 00-0009	EA	Ceiling Mount Media Air Cleaner With 99.97% HEPA Filters (Honeywell F114A1067)	2,986.76	
23 43 23 00-0010	EA	Ceiling Mount Media Air Cleaner With 99.97% HEPA Filters (Honeywell F115A1064)	4,166.13	
23 43 23 00-0011	EA	Ceiling Mount Media Air Cleaner With 99.97% HEPA Filters (Honeywell F111A1063W-3S)	4,766.94	
23 43 23 00-0012		**Suspension Ceiling Mounted, Room Air Purifier** *(23 43 23)*		
23 43 23 00-0013	EA	2' x 4' Suspension Ceiling Mounted, Air Purification System (Armstrong VidaShield UV24)	3,865.33	
23 43 23 00-0014		**Wall Mounted, Room Air Purifier** *(23 43 23)*		
23 43 23 00-0015	EA	Air Purifier, Wall Mount, Bipolar Ionizer (Bi-Polar 2400)	971.37	
23 43 23 00-0016		**Duct Mounted, Ionization System** *(23 43 23)*		
23 43 23 00-0017	EA	Up To 10,000 CFM, 120/240 VAC, 50 Watt, 8 Tubes, Single Phase, Series 500 Bipolar Ionization System (AtmosAir 500FC)	12,159.75	510.45
23 43 23 00-0018	EA	Up To 15,000 CFM, 120/240 VAC, 50 Watt, 5 Tubes, Single Phase, Series 500 Bipolar Ionization System (AtmosAir 508FC)	16,511.87	638.07
23 43 33		**Self-Contained Electronic Ultraviolet Germicidal Cleaners** *(23 43)*		
23 43 33 00-0001		**Suspension Ceiling Troffer Mounted, Ultraviolet Germicidal Air Purifier** *(23 43 33)*		
23 43 33 00-0002	EA	2' x 2', Troffer Mount UVC Air Purifier (ELEDLIGHTS UVADTM1202X2) Note: 6,300 cu ft/hour air cleaning	5,325.78	
23 43 33 00-0003	EA	2' x 2', Troffer Mount UVC Air Purifier With 1900 Lumens LED Panel Light (ELEDLIGHTS UVALTM1202X2) Note: 6,300 cu ft/hour air cleaning	7,334.18	
23 43 33 00-0004	EA	2' x 4', Troffer Mount UVC Air Purifier (ELEDLIGHTS UVADTM1202X4) Note: 12,600 cu ft/hour air cleaning	8,255.79	
23 43 33 00-0005	EA	2' x 4', Troffer Mount UVC Air Purifier With 3800 Lumens LED Panel Light (ELEDLIGHTS UVALTM1202X4) Note: 12,600 cu ft/hour air cleaning	9,233.18	
23 43 33 00-0006	EA	Replace 8"x8" MERV 16, HEPA Filter In Troffer Mount UVC Air Purifier(ELEDLIGHTS UVFILTERM8X8M16)	1,027.11	
23 43 33 00-0007		**Surface Mounted, Ultraviolet Germicidal Air Purifier** *(23 43 33)*		
23 43 33 00-0008	EA	Surface (Wall Or Ceiling) Mounted, Germicidal UV Active Circulation Air Cleaner (ELEDLIGHTS GUV-AC) Note: 1060 cu ft/hour air cleaning	3,566.52	
23 43 33 00-0009		**Wall Mounted, Ultraviolet Germicidal Air Purifier** *(23 43 33)*		
23 43 33 00-0010	EA	Wall Mounted, Upper Room Germicidal UV Disinfection (ELEDLIGHTS URUVGI-NZ)	1,829.22	
23 43 33 00-0011		**Wall Mounted, Ultraviolet Germicidal Fixture (UV Resources)** *(23 43 33)*		
23 43 33 00-0012	EA	14-1/4", 8 Watt, 120-277 Volts, UV-C Light Fixture (UV Resources GLO 150 - 41824001)	1,309.26	76.90
23 43 33 00-0013	EA	23-1/4", 25 Watt, 120-277 Volts, UV-C Light Fixture (UV Resources GLO 225 - 41824000)	1,373.86	88.25
23 43 33 00-0014	EA	35", 36 Watt, 120-277 Volts, UV-C Light Fixture (UV Resources GLO 310 - 41824002)	2,024.68	95.81
23 43 33 00-0015		**Wall Mounted, Ultraviolet Germicidal Fixtures And Accessories (Fresh-Aire UV)** *(23 43 33)*		
23 43 33 00-0016	EA	32" Single Lamp, Teflon Safety Coating, High Output Commercial UV-C Core System (Fresh-Aire UV TUVC-232S-TFHO)	880.63	92.98
23 43 33 00-0017	EA	32" Dual Lamp, Teflon Safety Coating, High Output Commercial UV-C Core System (Fresh-Aire UV TUVC-232D-TFHO)	1,199.07	92.98
23 43 33 00-0018	EA	46" Single Lamp, Teflon Safety Coating, High Output Commercial UV-C Core System (Fresh-Aire UV TUVC-246S-TFHO)	959.08	98.46
23 43 33 00-0019	EA	46" Dual Lamp, Teflon Safety Coating, High Output Commercial UV-C Core System (Fresh-Aire UV TUVC-246D-TFHO)	1,350.07	98.46
23 43 33 00-0020	EA	60" Single Lamp, Teflon Safety Coating, High Output Commercial UV-C Core System (Fresh-Aire UV TUVC-260S-TFHO)	1,047.04	104.00
23 43 33 00-0021	EA	60" Dual Lamp, Teflon Safety Coating, High Output Commercial UV-C Core System (Fresh-Aire UV TUVC-260D-TFHO)	1,748.40	104.00
23 43 33 00-0022	EA	32" Single Lamp, High Output Commercial UV-C Core System (Fresh-Aire UV TUVC-232S-HO)	828.23	92.98
23 43 33 00-0023	EA	32" Dual Lamp, High Output Commercial UV-C Core System (Fresh-Aire UV TUVC-232D-HO)	1,096.95	92.98
23 43 33 00-0024	EA	46" Single Lamp, High Output Commercial UV-C Core System (Fresh-Aire UV TUVC-246S-HO)	886.53	98.46
23 43 33 00-0025	EA	46" Dual Lamp, High Output Commercial UV-C Core System (Fresh-Aire UV TUVC-246D-HO)	1,204.96	98.46
23 43 33 00-0026	EA	60" Single Lamp, High Output Commercial UV-C Core System (Fresh-Aire UV TUVC-260S-HO)	901.93	104.00
23 43 33 00-0027	EA	60" Dual Lamp, High Output Commercial UV-C Core System (Fresh-Aire UV TUVC-260D-HO)	1,459.53	104.00
23 43 33 00-0028	EA	5' (1.5m) Remote Mounting Cable (Fresh-Aire UV TUV-CBL5)	40.26	
23 43 33 00-0029	EA	10' (3m) Remote Mounting Cable (Fresh-Aire UV TUV-CBL10)	51.01	
23 43 33 00-0030	EA	5" Stainless Steel Coil Mount Bracket (Fresh-Aire UV TUVC-CMBRKT-SS5)	54.26	
23 43 33 00-0031	EA	18" (45cm) Commercial Lamp Shield (Fresh-Aire UV TUVC-SHIELD-18)	65.11	
23 43 33 00-0032	EA	24" (60cm) Commercial Lamp Shield (Fresh-Aire UV TUVC-SHIELD-24)	74.52	
23 43 33 00-0033	EA	32" (81cm) Commercial Lamp Shield (Fresh-Aire UV TUVC-SHIELD-32)	85.26	
23 43 33 00-0034	EA	46" (117cm) Commercial Lamp Shield (Fresh-Aire UV TUVC-SHIELD-46)	90.64	
23 43 33 00-0035	EA	60" (152cm) Commercial Lamp Shield (Fresh-Aire UV TUVC-SHIELD-60)	94.67	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 43 33 00-0036	EA	110-277 VAC, Door Interlock Safety Switch Kit (Fresh-Aire UV TUVC-INTLCK-SP)	304.27	
23 43 33 00-0037	EA	15" (38cm) Odor Control, UVC/UVV Lamp (Fresh-Aire UV TUVL-115P-OS-50) Note: 1 Year Warranty	201.81	61.83
23 43 33 00-0038	EA	18" (45cm) High Output, Commercial Series Lamp (Fresh-Aire UV TUVCL-218HO) Note: 2 Year Warranty	249.53	64.93
23 43 33 00-0039	EA	24" (60cm) High Output, Commercial Series Lamp (Fresh-Aire UV TUVCL-224HO) Note: 2 Year Warranty	267.05	71.86
23 43 33 00-0040	EA	32" (81cm) Commercial Series Lamp (Fresh-Aire UV TUVCL-132) Note: 1 Year Warranty	237.30	76.58
23 43 33 00-0041	EA	32" (81cm) Teflon Coated, Commercial Series Lamp (Fresh-Aire UV TUVCL-232TF) Note: 1 Year Warranty	297.76	76.58
23 43 33 00-0042	EA	32" (81cm) High Output, Commercial Series Lamp (Fresh-Aire UV TUVCL-232HO) Note: 1 Year Warranty	281.64	76.58
23 43 33 00-0043	EA	32" (81cm) High Output, Teflon Coated, Commercial Series Lamp (Fresh-Aire UV TUVCL-232HO-TF) Note: 1 Year Warranty	331.35	76.58
23 43 33 00-0044	EA	46" (117cm) Commercial Series Lamp (Fresh-Aire UV TUVCL-146) Note: 1 Year Warranty	277.48	81.63
23 43 33 00-0045	EA	46" (117cm) Teflon Coated, Commercial Series Lamp (Fresh-Aire UV TUVCL-246TF) Note: 2 Year Warranty	347.35	81.63
23 43 33 00-0046	EA	46" (117cm) High Output, Commercial Series Lamp (Fresh-Aire UV TUVCL-246HO) Note: 2 Year Warranty	312.41	81.63
23 43 33 00-0047	EA	46" (117cm) High Output, Teflon Coated, Commercial Series Lamp (Fresh-Aire UV TUVCL-246HO-TF) Note: 2 Year Warranty	384.97	81.63
23 43 33 00-0048	EA	60" (152cm) Commercial Series Lamp (Fresh-Aire UV TUVCL-160) Note: 1 Year Warranty	347.87	82.25
23 43 33 00-0049	EA	60" (152cm) Teflon Coated, Commercial Series Lamp (Fresh-Aire UV TUVCL-260TF) Note: 2 Year Warranty	445.95	82.25
23 43 33 00-0050	EA	60" (152cm) High Output, Commercial Series Lamp (Fresh-Aire UV TUVCL-260HO) Note: 2 Year Warranty	382.80	82.25
23 43 33 00-0051	EA	60" (152cm) High Output, Teflon Coated, Commercial Series Lamp (Fresh-Aire UV TUVCL-260HO-TF) Note: 1 Year Warranty	527.91	82.25

23 50 Central Heating Equipment *(23)*

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0001 for terminations, 26 28 16 16-0001 for disconnect.

23 51 Breechings, Chimneys, and Stacks *(23 50)*

23 51 13 Draft Control Devices *(23 51)*

23 51 13 13 Draft-Induction Fans *(23 51 13)*

23 51 13 13-0001 Vertical Discharge Fans *(23 51 13 13)*

Note: Includes chimney adapter. Excludes wiring.

23 51 13 13-0002 Axial Vane Vertical Discharge Fans *(23 51 13 13-0001)*

23 51 13 13-0003	EA	450 CFM Vertical Discharge Chimney Fan, Axial Vane	3,792.37	258.56
23 51 13 13-0004	EA	950 CFM Vertical Discharge Chimney Fan, Axial Vane	4,301.72	282.07
23 51 13 13-0005	EA	1,400 CFM Vertical Discharge Chimney Fan, Axial Vane	5,169.58	311.45
23 51 13 13-0006	EA	1,800 CFM Vertical Discharge Chimney Fan, Axial Vane	6,765.96	361.39

23 51 13 13-0007 Centrifugal Impeller Vertical Discharge Fans *(23 51 13 13-0001)*

23 51 13 13-0008	EA	700 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller	4,565.11	282.07
23 51 13 13-0009	EA	1,100 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller	5,574.29	311.45
23 51 13 13-0010	EA	2,300 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller	7,247.10	364.33
23 51 13 13-0011	EA	3,000 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller	8,587.52	408.40

23 51 13 13-0012 Accessories For Vertical Discharge Fans *(23 51 13 13-0001)*

23 51 13 13-0013	EA	Modulating Fan Controller And Sensor	523.07	88.14

23 51 13 16 Vent Dampers *(23 51 13)*

23 51 13 16-0001 Flue Shutter Draft Control Damper, Parallel Blade *(23 51 13 16)*

23 51 13 16-0002	EA	3" Round Flue Shutter Draft Control Damper	1,043.69	52.19
23 51 13 16-0003	EA	4" Round Flue Shutter Draft Control Damper	1,145.22	55.36
23 51 13 16-0004	EA	5" Round Flue Shutter Draft Control Damper	1,265.41	58.76
23 51 13 16-0005	EA	6" Round Flue Shutter Draft Control Damper	1,351.99	62.67
23 51 13 16-0006	EA	7" Round Flue Shutter Draft Control Damper	1,476.69	67.13
23 51 13 16-0007	EA	8" Round Flue Shutter Draft Control Damper	1,568.26	72.27
23 51 13 16-0008	EA	10" Round Flue Shutter Draft Control Damper	1,734.58	78.37
23 51 13 16-0009	EA	12" Round Flue Shutter Draft Control Damper	1,904.96	85.46
23 51 13 16-0010	EA	14" Round Flue Shutter Draft Control Damper	2,135.20	89.61
23 51 13 16-0011	EA	16" Round Flue Shutter Draft Control Damper	2,294.80	94.02
23 51 13 16-0012	EA	18" Round Flue Shutter Draft Control Damper	2,508.99	98.73
23 51 13 16-0013	EA	20" Round Flue Shutter Draft Control Damper	2,952.32	156.31
23 51 13 16-0014	EA	22" Round Flue Shutter Draft Control Damper	3,239.89	166.01
23 51 13 16-0015	EA	24" Round Flue Shutter Draft Control Damper	3,512.24	176.29
23 51 13 16-0016	EA	26" Round Flue Shutter Draft Control Damper	3,570.90	182.17
23 51 13 16-0017	EA	28" Round Flue Shutter Draft Control Damper	3,683.31	188.05

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 13 16-0018	EA	30" Round Flue Shutter Draft Control Damper	3,783.68	199.80
23 51 13 16-0019	EA	32" Round Flue Shutter Draft Control Damper	3,949.56	205.54
23 51 13 16-0020	EA	34" Round Flue Shutter Draft Control Damper	4,120.42	217.29
23 51 13 16-0021	EA	36" Round Flue Shutter Draft Control Damper	4,315.55	235.06
23 51 13 16-0022	EA	38" Round Flue Shutter Draft Control Damper	4,535.36	243.12
23 51 13 16-0023	EA	40" Round Flue Shutter Draft Control Damper	4,739.47	246.81
23 51 13 16-0024	EA	42" Round Flue Shutter Draft Control Damper	4,972.41	258.56
23 51 13 16-0025	EA	44" Round Flue Shutter Draft Control Damper	5,206.69	270.31
23 51 13 16-0026	EA	46" Round Flue Shutter Draft Control Damper	5,441.65	282.07
23 51 13 16-0027	EA	48" Round Flue Shutter Draft Control Damper	5,675.60	293.82

23 51 13 19 Barometric Dampers *(23 51 13)*

23 51 13 19-0001 Barometric Dampers *(23 51 13 19)*

23 51 13 19-0002	EA	6" x 6" Barometric Damper	485.08	10.19
23 51 13 19-0003	EA	12" x 12" Barometric Damper	701.91	14.01
23 51 13 19-0004	EA	18" x 18" Barometric Damper	940.08	21.65
23 51 13 19-0005	EA	24" x 24" Barometric Damper	1,122.20	40.77
23 51 13 19-0006	EA	6" Diameter Barometric Damper	237.29	10.19
		For Stainless Steel, Add	*257.08*	
23 51 13 19-0007	EA	7" Diameter Barometric Damper	280.80	11.46
		For Stainless Steel, Add	*305.42*	
23 51 13 19-0008	EA	8" Diameter Barometric Damper	325.79	12.74
		For Stainless Steel, Add	*354.20*	
23 51 13 19-0009	EA	9" Diameter Barometric Damper	401.18	12.74
		For Stainless Steel, Add	*448.68*	
23 51 13 19-0010	EA	10" Diameter Barometric Damper	529.00	15.29
		For Stainless Steel, Add	*611.27*	
23 51 13 19-0011	EA	12" Diameter Barometric Damper	671.96	16.56
		For Stainless Steel, Add	*788.37*	
23 51 13 19-0012	EA	14" Diameter Barometric Damper	845.10	17.84
		For Stainless Steel, Add	*1,005.47*	
23 51 13 19-0013	EA	15" Diameter Barometric Damper	1,008.67	19.10
		For Stainless Steel, Add	*1,208.49*	
23 51 13 19-0014	EA	16" Diameter Barometric Damper	1,170.37	21.65
		For Stainless Steel, Add	*1,411.09*	
23 51 13 19-0015	EA	18" Diameter Barometric Damper	1,541.91	22.93
		For Stainless Steel, Add	*1,885.25*	
23 51 13 19-0016	EA	20" Diameter Barometric Damper	1,835.53	25.48
		For Stainless Steel, Add	*2,256.59*	
23 51 13 19-0017	EA	24" Diameter Barometric Damper	2,213.59	25.48
		For Stainless Steel, Add	*2,742.18*	
23 51 13 19-0018	EA	30" Diameter Barometric Damper	2,729.39	29.30
		For Stainless Steel, Add	*3,399.16*	
23 51 13 19-0019	EA	36" Diameter Barometric Damper	3,482.48	30.57
		For Stainless Steel, Add	*4,370.35*	

23 51 16 Fabricated Breechings and Accessories *(23 51)*

23 51 16 00-0001 Round Galvanized Double Wall Flue/Vent Pipe And Fittings *(23 51 16)*

23 51 16 00-0002 Round Galvanized Double Wall Flue/Vent Pipe *(23 51 16 00-0001)*

23 51 16 00-0003	LF	3" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness	33.42	10.46
		For Aluminum Liner, Add	*0.40*	
		For 304 Stainless Steel Liner, Add	*0.55*	
		For 2" Wall Instead Of 1", Add	*4.81*	
		For 3" To 4" Wall Instead Of 1", Add	*8.52*	
23 51 16 00-0004	LF	4" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness	35.94	11.05
		For Aluminum Liner, Add	*0.49*	
		For 304 Stainless Steel Liner, Add	*0.67*	
		For 2" Wall Instead Of 1", Add	*5.39*	
		For 3" To 4" Wall Instead Of 1", Add	*9.43*	
23 51 16 00-0005	LF	5" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness	39.73	11.75
		For Aluminum Liner, Add	*0.59*	
		For 304 Stainless Steel Liner, Add	*0.80*	
		For 2" Wall Instead Of 1", Add	*6.10*	
		For 3" To 4" Wall Instead Of 1", Add	*10.61*	
23 51 16 00-0006	LF	6" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness	43.36	12.58
		For Aluminum Liner, Add	*0.68*	
		For 304 Stainless Steel Liner, Add	*0.93*	
		For 2" Wall Instead Of 1", Add	*6.81*	
		For 3" To 4" Wall Instead Of 1", Add	*11.76*	
23 51 16 00-0007	LF	7" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness	51.08	13.40
		For Aluminum Liner, Add	*1.00*	
		For 304 Stainless Steel Liner, Add	*1.37*	
		For 2" Wall Instead Of 1", Add	*8.75*	
		For 3" To 4" Wall Instead Of 1", Add	*14.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0008	LF	8" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	56.78	14.46
		Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness		
		For Aluminum Liner, Add	*1.12*	
		For 304 Stainless Steel Liner, Add	*1.52*	
		For 2" Wall Instead Of 1", Add	*9.74*	
		For 3" To 4" Wall Instead Of 1", Add	*16.43*	
23 51 16 00-0009	LF	10" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	82.31	15.52
		Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness		
		For Aluminum Liner, Add	*2.36*	
		For 304 Stainless Steel Liner, Add	*3.21*	
		For 2" Wall Instead Of 1", Add	*16.80*	
		For 3" To 4" Wall Instead Of 1", Add	*27.18*	
23 51 16 00-0010	LF	12" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	100.28	17.16
		Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness		
		For Aluminum Liner, Add	*3.16*	
		For 304 Stainless Steel Liner, Add	*4.31*	
		For 2" Wall Instead Of 1", Add	*21.53*	
		For 3" To 4" Wall Instead Of 1", Add	*34.43*	
23 51 16 00-0011	LF	14" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	141.34	17.86
		Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness		
		For Aluminum Liner, Add	*5.31*	
		For 304 Stainless Steel Liner, Add	*7.24*	
		For 2" Wall Instead Of 1", Add	*33.45*	
		For 3" To 4" Wall Instead Of 1", Add	*52.41*	
23 51 16 00-0012	LF	16" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	176.99	18.81
		Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness		
		For Aluminum Liner, Add	*7.16*	
		For 304 Stainless Steel Liner, Add	*9.76*	
		For 2" Wall Instead Of 1", Add	*43.74*	
		For 3" To 4" Wall Instead Of 1", Add	*67.95*	
23 51 16 00-0013	LF	18" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	218.04	19.75
		Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness		
		For Aluminum Liner, Add	*9.25*	
		For 304 Stainless Steel Liner, Add	*12.61*	
		For 2" Wall Instead Of 1", Add	*55.44*	
		For 3" To 4" Wall Instead Of 1", Add	*85.65*	
23 51 16 00-0014	LF	20" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	277.05	31.38
		Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness		
		For Aluminum Liner, Add	*10.98*	
		For 304 Stainless Steel Liner, Add	*14.97*	
		For 2" Wall Instead Of 1", Add	*67.63*	
		For 3" To 4" Wall Instead Of 1", Add	*105.32*	
23 51 16 00-0015	LF	22" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	335.35	33.15
		Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness		
		For Aluminum Liner, Add	*13.84*	
		For 304 Stainless Steel Liner, Add	*18.88*	
		For 2" Wall Instead Of 1", Add	*83.88*	
		For 3" To 4" Wall Instead Of 1", Add	*130.00*	
23 51 16 00-0016	LF	24" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	399.15	35.26
		Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness		
		For Aluminum Liner, Add	*17.07*	
		For 304 Stainless Steel Liner, Add	*23.27*	
		For 2" Wall Instead Of 1", Add	*101.97*	
		For 3" To 4" Wall Instead Of 1", Add	*157.40*	
23 51 16 00-0017	LF	26" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	464.18	36.43
		Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness		
		For Aluminum Liner, Add	*20.53*	
		For 304 Stainless Steel Liner, Add	*27.99*	
		For 2" Wall Instead Of 1", Add	*121.06*	
		For 3" To 4" Wall Instead Of 1", Add	*186.14*	
23 51 16 00-0018	LF	28" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	486.74	37.61
		Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness		
		For Aluminum Liner, Add	*21.60*	
		For 304 Stainless Steel Liner, Add	*29.46*	
		For 2" Wall Instead Of 1", Add	*127.22*	
		For 3" To 4" Wall Instead Of 1", Add	*195.54*	
23 51 16 00-0019	LF	30" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	517.24	40.32
		Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness		
		For Aluminum Liner, Add	*22.91*	
		For 304 Stainless Steel Liner, Add	*31.25*	
		For 2" Wall Instead Of 1", Add	*135.05*	
		For 3" To 4" Wall Instead Of 1", Add	*207.60*	
23 51 16 00-0020	LF	32" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	586.08	41.84
		For Aluminum Liner, Add	*26.49*	
		For 304 Stainless Steel Liner, Add	*36.13*	
		For 2" Wall Instead Of 1", Add	*154.95*	
		For 3" To 4" Wall Instead Of 1", Add	*237.64*	
23 51 16 00-0021	LF	34" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	657.36	43.37
		For Aluminum Liner, Add	*30.19*	
		For 304 Stainless Steel Liner, Add	*41.17*	
		For 2" Wall Instead Of 1", Add	*175.53*	
		For 3" To 4" Wall Instead Of 1", Add	*268.72*	
23 51 16 00-0022	LF	36" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	692.06	45.13
		For Aluminum Liner, Add	*31.86*	
		For 304 Stainless Steel Liner, Add	*43.45*	
		For 2" Wall Instead Of 1", Add	*185.08*	
		For 3" To 4" Wall Instead Of 1", Add	*283.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0023	LF	38" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	750.98	47.01
		For Aluminum Liner, Add	*34.85*	
		For 304 Stainless Steel Liner, Add	*47.52*	
		For 2" Wall Instead Of 1", Add	*201.82*	
		For 3" To 4" Wall Instead Of 1", Add	*308.60*	
23 51 16 00-0024	LF	40" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	827.79	49.01
		For Aluminum Liner, Add	*38.79*	
		For 304 Stainless Steel Liner, Add	*52.89*	
		For 2" Wall Instead Of 1", Add	*223.82*	
		For 3" To 4" Wall Instead Of 1", Add	*341.86*	
23 51 16 00-0025	LF	42" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	866.01	51.24
		For Aluminum Liner, Add	*40.58*	
		For 304 Stainless Steel Liner, Add	*55.33*	
		For 2" Wall Instead Of 1", Add	*234.15*	
		For 3" To 4" Wall Instead Of 1", Add	*357.64*	
23 51 16 00-0026	LF	44" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	958.90	53.71
		For Aluminum Liner, Add	*45.35*	
		For 304 Stainless Steel Liner, Add	*61.84*	
		For 2" Wall Instead Of 1", Add	*260.80*	
		For 3" To 4" Wall Instead Of 1", Add	*397.92*	
23 51 16 00-0027	LF	46" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	1,041.55	56.42
		For Aluminum Liner, Add	*49.53*	
		For 304 Stainless Steel Liner, Add	*67.54*	
		For 2" Wall Instead Of 1", Add	*284.26*	
		For 3" To 4" Wall Instead Of 1", Add	*433.44*	
23 51 16 00-0028	LF	48" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	1,146.31	59.36
		For Aluminum Liner, Add	*54.90*	
		For 304 Stainless Steel Liner, Add	*74.86*	
		For 2" Wall Instead Of 1", Add	*314.26*	
		For 3" To 4" Wall Instead Of 1", Add	*478.80*	

23 51 16 00-0029 90 Degree Elbows *(23 51 16 00-0001)*

23 51 16 00-0030	EA	3" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	85.43	20.92
		For Aluminum Liner, Add	*1.85*	
		For 304 Stainless Steel Liner, Add	*2.52*	
		For 2" Wall Instead Of 1", Add	*15.27*	
		For 3" To 4" Wall Instead Of 1", Add	*25.49*	
23 51 16 00-0031	EA	4" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	94.79	22.09
		For Aluminum Liner, Add	*2.18*	
		For 304 Stainless Steel Liner, Add	*2.98*	
		For 2" Wall Instead Of 1", Add	*17.42*	
		For 3" To 4" Wall Instead Of 1", Add	*28.88*	
23 51 16 00-0032	EA	5" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	105.87	23.50
		For Aluminum Liner, Add	*2.61*	
		For 304 Stainless Steel Liner, Add	*3.55*	
		For 2" Wall Instead Of 1", Add	*20.06*	
		For 3" To 4" Wall Instead Of 1", Add	*33.02*	
23 51 16 00-0033	EA	6" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	117.24	25.03
		For Aluminum Liner, Add	*3.03*	
		For 304 Stainless Steel Liner, Add	*4.13*	
		For 2" Wall Instead Of 1", Add	*22.74*	
		For 3" To 4" Wall Instead Of 1", Add	*37.21*	
23 51 16 00-0034	EA	7" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	140.25	26.79
		For Aluminum Liner, Add	*4.05*	
		For 304 Stainless Steel Liner, Add	*5.52*	
		For 2" Wall Instead Of 1", Add	*28.75*	
		For 3" To 4" Wall Instead Of 1", Add	*46.46*	
23 51 16 00-0035	EA	8" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	164.50	28.91
		For Aluminum Liner, Add	*5.07*	
		For 304 Stainless Steel Liner, Add	*6.92*	
		For 2" Wall Instead Of 1", Add	*34.89*	
		For 3" To 4" Wall Instead Of 1", Add	*55.96*	
23 51 16 00-0036	EA	10" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	290.69	31.38
		For Aluminum Liner, Add	*11.67*	
		For 304 Stainless Steel Liner, Add	*15.91*	
		For 2" Wall Instead Of 1", Add	*71.49*	
		For 3" To 4" Wall Instead Of 1", Add	*111.17*	
23 51 16 00-0037	EA	12" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	352.87	34.20
		For Aluminum Liner, Add	*14.71*	
		For 304 Stainless Steel Liner, Add	*20.06*	
		For 2" Wall Instead Of 1", Add	*88.78*	
		For 3" To 4" Wall Instead Of 1", Add	*137.43*	
23 51 16 00-0038	EA	14" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	459.35	35.85
		For Aluminum Liner, Add	*20.34*	
		For 304 Stainless Steel Liner, Add	*27.74*	
		For 2" Wall Instead Of 1", Add	*119.90*	
		For 3" To 4" Wall Instead Of 1", Add	*184.32*	
23 51 16 00-0039	EA	16" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	566.01	37.61
		For Aluminum Liner, Add	*25.97*	
		For 304 Stainless Steel Liner, Add	*35.41*	
		For 2" Wall Instead Of 1", Add	*151.04*	
		For 3" To 4" Wall Instead Of 1", Add	*231.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0040	EA	18" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	733.53	39.61
		For Aluminum Liner, Add	*34.90*	
		For 304 Stainless Steel Liner, Add	*47.59*	
		For 2" Wall Instead Of 1", Add	*200.25*	
		For 3" To 4" Wall Instead Of 1", Add	*305.32*	
23 51 16 00-0041	EA	20" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,032.87	62.64
		For Aluminum Liner, Add	*48.18*	
		For 304 Stainless Steel Liner, Add	*65.71*	
		For 2" Wall Instead Of 1", Add	*278.51*	
		For 3" To 4" Wall Instead Of 1", Add	*425.60*	
23 51 16 00-0042	EA	22" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,364.86	66.40
		For Aluminum Liner, Add	*65.94*	
		For 304 Stainless Steel Liner, Add	*89.91*	
		For 2" Wall Instead Of 1", Add	*376.26*	
		For 3" To 4" Wall Instead Of 1", Add	*572.69*	
23 51 16 00-0043	EA	24" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,541.32	70.51
		For Aluminum Liner, Add	*75.07*	
		For 304 Stainless Steel Liner, Add	*102.36*	
		For 2" Wall Instead Of 1", Add	*427.10*	
		For 3" To 4" Wall Instead Of 1", Add	*649.48*	

23 51 16 00-0044 45 Degree Elbows *(23 51 16 00-0001)*

23 51 16 00-0045	EA	3" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	71.55	20.92
		For Aluminum Liner, Add	*1.07*	
		For 304 Stainless Steel Liner, Add	*1.45*	
		For 2" Wall Instead Of 1", Add	*11.03*	
		For 3" To 4" Wall Instead Of 1", Add	*19.15*	
23 51 16 00-0046	EA	4" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	78.18	22.09
		For Aluminum Liner, Add	*1.26*	
		For 304 Stainless Steel Liner, Add	*1.71*	
		For 2" Wall Instead Of 1", Add	*12.38*	
		For 3" To 4" Wall Instead Of 1", Add	*21.34*	
23 51 16 00-0047	EA	5" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	85.64	23.50
		For Aluminum Liner, Add	*1.48*	
		For 304 Stainless Steel Liner, Add	*2.01*	
		For 2" Wall Instead Of 1", Add	*13.94*	
		For 3" To 4" Wall Instead Of 1", Add	*23.84*	
23 51 16 00-0048	EA	6" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	94.82	25.03
		For Aluminum Liner, Add	*1.77*	
		For 304 Stainless Steel Liner, Add	*2.41*	
		For 2" Wall Instead Of 1", Add	*15.91*	
		For 3" To 4" Wall Instead Of 1", Add	*27.00*	
23 51 16 00-0049	EA	7" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	113.24	26.79
		For Aluminum Liner, Add	*2.54*	
		For 304 Stainless Steel Liner, Add	*3.46*	
		For 2" Wall Instead Of 1", Add	*20.55*	
		For 3" To 4" Wall Instead Of 1", Add	*34.18*	
23 51 16 00-0050	EA	8" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	125.31	28.91
		For Aluminum Liner, Add	*2.92*	
		For 304 Stainless Steel Liner, Add	*3.98*	
		For 2" Wall Instead Of 1", Add	*23.14*	
		For 3" To 4" Wall Instead Of 1", Add	*38.32*	
23 51 16 00-0051	EA	10" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	210.95	31.38
		For Aluminum Liner, Add	*7.29*	
		For 304 Stainless Steel Liner, Add	*9.94*	
		For 2" Wall Instead Of 1", Add	*47.61*	
		For 3" To 4" Wall Instead Of 1", Add	*75.33*	
23 51 16 00-0052	EA	12" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	252.61	34.20
		For Aluminum Liner, Add	*9.19*	
		For 304 Stainless Steel Liner, Add	*12.54*	
		For 2" Wall Instead Of 1", Add	*58.69*	
		For 3" To 4" Wall Instead Of 1", Add	*92.31*	
23 51 16 00-0053	EA	14" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	324.74	35.85
		For Aluminum Liner, Add	*12.93*	
		For 304 Stainless Steel Liner, Add	*17.64*	
		For 2" Wall Instead Of 1", Add	*79.51*	
		For 3" To 4" Wall Instead Of 1", Add	*123.74*	
23 51 16 00-0054	EA	16" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	389.09	37.61
		For Aluminum Liner, Add	*16.23*	
		For 304 Stainless Steel Liner, Add	*22.13*	
		For 2" Wall Instead Of 1", Add	*97.93*	
		For 3" To 4" Wall Instead Of 1", Add	*151.59*	
23 51 16 00-0055	EA	18" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	495.51	39.61
		For Aluminum Liner, Add	*21.81*	
		For 304 Stainless Steel Liner, Add	*29.74*	
		For 2" Wall Instead Of 1", Add	*128.86*	
		For 3" To 4" Wall Instead Of 1", Add	*198.24*	
23 51 16 00-0056	EA	20" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	603.56	62.53
		For Aluminum Liner, Add	*24.60*	
		For 304 Stainless Steel Liner, Add	*33.55*	
		For 2" Wall Instead Of 1", Add	*149.81*	
		For 3" To 4" Wall Instead Of 1", Add	*232.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0057	EA	22" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	839.20	66.40
		For Aluminum Liner, Add	*37.03*	
		For 304 Stainless Steel Liner, Add	*50.49*	
		For 2" Wall Instead Of 1", Add	*218.56*	
		For 3" To 4" Wall Instead Of 1", Add	*336.14*	
23 51 16 00-0058	EA	24" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,029.21	70.51
		For Aluminum Liner, Add	*46.92*	
		For 304 Stainless Steel Liner, Add	*63.98*	
		For 2" Wall Instead Of 1", Add	*273.53*	
		For 3" To 4" Wall Instead Of 1", Add	*419.10*	
23 51 16 00-0059	EA	26" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,865.07	72.87
		For Aluminum Liner, Add	*92.57*	
		For 304 Stainless Steel Liner, Add	*126.23*	
		For 2" Wall Instead Of 1", Add	*523.11*	
		For 3" To 4" Wall Instead Of 1", Add	*793.77*	
23 51 16 00-0060	EA	28" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,917.05	75.21
		For Aluminum Liner, Add	*95.10*	
		For 304 Stainless Steel Liner, Add	*129.68*	
		For 2" Wall Instead Of 1", Add	*537.53*	
		For 3" To 4" Wall Instead Of 1", Add	*815.69*	
23 51 16 00-0061	EA	30" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	2,021.02	79.92
		For Aluminum Liner, Add	*100.17*	
		For 304 Stainless Steel Liner, Add	*136.60*	
		For 2" Wall Instead Of 1", Add	*566.37*	
		For 3" To 4" Wall Instead Of 1", Add	*859.54*	
23 51 16 00-0062	EA	32" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	2,257.43	82.27
		For Aluminum Liner, Add	*112.85*	
		For 304 Stainless Steel Liner, Add	*153.89*	
		For 2" Wall Instead Of 1", Add	*636.12*	
		For 3" To 4" Wall Instead Of 1", Add	*964.46*	
23 51 16 00-0063	EA	34" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	2,465.15	86.97
		For Aluminum Liner, Add	*123.63*	
		For 304 Stainless Steel Liner, Add	*168.59*	
		For 2" Wall Instead Of 1", Add	*696.09*	
		For 3" To 4" Wall Instead Of 1", Add	*1,055.00*	
23 51 16 00-0064	EA	36" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	2,540.41	94.02
		For Aluminum Liner, Add	*126.80*	
		For 304 Stainless Steel Liner, Add	*172.91*	
		For 2" Wall Instead Of 1", Add	*715.14*	
		For 3" To 4" Wall Instead Of 1", Add	*1,084.46*	
23 51 16 00-0065	EA	38" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	2,721.53	97.32
		For Aluminum Liner, Add	*136.31*	
		For 304 Stainless Steel Liner, Add	*185.88*	
		For 2" Wall Instead Of 1", Add	*767.84*	
		For 3" To 4" Wall Instead Of 1", Add	*1,163.91*	
23 51 16 00-0066	EA	40" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	2,897.98	98.73
		For Aluminum Liner, Add	*145.82*	
		For 304 Stainless Steel Liner, Add	*198.85*	
		For 2" Wall Instead Of 1", Add	*820.06*	
		For 3" To 4" Wall Instead Of 1", Add	*1,242.43*	
23 51 16 00-0067	EA	42" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	3,024.99	103.43
		For Aluminum Liner, Add	*152.16*	
		For 304 Stainless Steel Liner, Add	*207.50*	
		For 2" Wall Instead Of 1", Add	*855.82*	
		For 3" To 4" Wall Instead Of 1", Add	*1,296.65*	
23 51 16 00-0068	EA	44" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	3,209.64	108.13
		For Aluminum Liner, Add	*161.67*	
		For 304 Stainless Steel Liner, Add	*220.46*	
		For 2" Wall Instead Of 1", Add	*908.87*	
		For 3" To 4" Wall Instead Of 1", Add	*1,376.81*	
23 51 16 00-0069	EA	46" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	3,451.93	112.82
		For Aluminum Liner, Add	*174.35*	
		For 304 Stainless Steel Liner, Add	*237.75*	
		For 2" Wall Instead Of 1", Add	*979.21*	
		For 3" To 4" Wall Instead Of 1", Add	*1,482.90*	
23 51 16 00-0070	EA	48" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	3,578.94	117.52
		For Aluminum Liner, Add	*180.69*	
		For 304 Stainless Steel Liner, Add	*246.40*	
		For 2" Wall Instead Of 1", Add	*1,014.96*	
		For 3" To 4" Wall Instead Of 1", Add	*1,537.12*	

23 51 16 00-0071 Tees *(23 51 16 00-0001)*

23 51 16 00-0072	EA	3" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	117.00	27.85
		For Aluminum Liner, Add	*2.60*	
		For 304 Stainless Steel Liner, Add	*3.54*	
		For 2" Wall Instead Of 1", Add	*21.15*	
		For 3" To 4" Wall Instead Of 1", Add	*35.22*	
23 51 16 00-0073	EA	4" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	121.85	28.91
		For Aluminum Liner, Add	*2.73*	
		For 304 Stainless Steel Liner, Add	*3.72*	
		For 2" Wall Instead Of 1", Add	*22.10*	
		For 3" To 4" Wall Instead Of 1", Add	*36.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0074	EA	5" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	127.09	30.09
		For Aluminum Liner, Add	*2.85*	
		For 304 Stainless Steel Liner, Add	*3.89*	
		For 2" Wall Instead Of 1", Add	*23.08*	
		For 3" To 4" Wall Instead Of 1", Add	*38.39*	
23 51 16 00-0075	EA	6" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	136.04	31.38
		For Aluminum Liner, Add	*3.17*	
		For 304 Stainless Steel Liner, Add	*4.32*	
		For 2" Wall Instead Of 1", Add	*25.13*	
		For 3" To 4" Wall Instead Of 1", Add	*41.62*	
23 51 16 00-0076	EA	7" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	161.34	32.67
		For Aluminum Liner, Add	*4.37*	
		For 304 Stainless Steel Liner, Add	*5.97*	
		For 2" Wall Instead Of 1", Add	*32.04*	
		For 3" To 4" Wall Instead Of 1", Add	*52.15*	
23 51 16 00-0077	EA	8" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	173.04	34.20
		For Aluminum Liner, Add	*4.82*	
		For 304 Stainless Steel Liner, Add	*6.57*	
		For 2" Wall Instead Of 1", Add	*34.83*	
		For 3" To 4" Wall Instead Of 1", Add	*56.51*	
23 51 16 00-0078	EA	10" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	327.02	35.85
		For Aluminum Liner, Add	*13.06*	
		For 304 Stainless Steel Liner, Add	*17.81*	
		For 2" Wall Instead Of 1", Add	*80.20*	
		For 3" To 4" Wall Instead Of 1", Add	*124.77*	
23 51 16 00-0079	EA	12" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	379.87	37.61
		For Aluminum Liner, Add	*15.72*	
		For 304 Stainless Steel Liner, Add	*21.44*	
		For 2" Wall Instead Of 1", Add	*95.16*	
		For 3" To 4" Wall Instead Of 1", Add	*147.44*	
23 51 16 00-0080	EA	14" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	570.16	41.84
		For Aluminum Liner, Add	*25.61*	
		For 304 Stainless Steel Liner, Add	*34.93*	
		For 2" Wall Instead Of 1", Add	*150.16*	
		For 3" To 4" Wall Instead Of 1", Add	*230.46*	
23 51 16 00-0081	EA	16" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	776.85	47.01
		For Aluminum Liner, Add	*36.27*	
		For 304 Stainless Steel Liner, Add	*49.45*	
		For 2" Wall Instead Of 1", Add	*209.56*	
		For 3" To 4" Wall Instead Of 1", Add	*320.21*	
23 51 16 00-0082	EA	18" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	964.27	53.71
		For Aluminum Liner, Add	*45.65*	
		For 304 Stainless Steel Liner, Add	*62.25*	
		For 2" Wall Instead Of 1", Add	*262.42*	
		For 3" To 4" Wall Instead Of 1", Add	*400.35*	
23 51 16 00-0083	EA	20" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	1,283.98	66.40
		For Aluminum Liner, Add	*61.50*	
		For 304 Stainless Steel Liner, Add	*83.86*	
		For 2" Wall Instead Of 1", Add	*352.03*	
		For 3" To 4" Wall Instead Of 1", Add	*536.34*	
23 51 16 00-0084	EA	22" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	1,611.67	86.73
		For Aluminum Liner, Add	*76.72*	
		For 304 Stainless Steel Liner, Add	*104.61*	
		For 2" Wall Instead Of 1", Add	*440.13*	
		For 3" To 4" Wall Instead Of 1", Add	*671.04*	
23 51 16 00-0085	EA	24" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	1,854.56	91.67
		For Aluminum Liner, Add	*89.40*	
		For 304 Stainless Steel Liner, Add	*121.90*	
		For 2" Wall Instead Of 1", Add	*510.53*	
		For 3" To 4" Wall Instead Of 1", Add	*777.25*	
23 51 16 00-0086	EA	26" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	2,552.41	98.73
		For Aluminum Liner, Add	*126.80*	
		For 304 Stainless Steel Liner, Add	*172.91*	
		For 2" Wall Instead Of 1", Add	*716.34*	
		For 3" To 4" Wall Instead Of 1", Add	*1,086.86*	
23 51 16 00-0087	EA	28" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	2,850.06	102.60
		For Aluminum Liner, Add	*142.65*	
		For 304 Stainless Steel Liner, Add	*194.53*	
		For 2" Wall Instead Of 1", Add	*803.74*	
		For 3" To 4" Wall Instead Of 1", Add	*1,218.43*	
23 51 16 00-0088	EA	30" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	3,094.53	108.13
		For Aluminum Liner, Add	*155.33*	
		For 304 Stainless Steel Liner, Add	*211.82*	
		For 2" Wall Instead Of 1", Add	*874.30*	
		For 3" To 4" Wall Instead Of 1", Add	*1,324.96*	
23 51 16 00-0089	EA	32" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	3,567.31	112.82
		For Aluminum Liner, Add	*180.69*	
		For 304 Stainless Steel Liner, Add	*246.40*	
		For 2" Wall Instead Of 1", Add	*1,013.80*	
		For 3" To 4" Wall Instead Of 1", Add	*1,534.79*	
23 51 16 00-0090	EA	34" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	3,636.79	117.52
		For Aluminum Liner, Add	*183.86*	
		For 304 Stainless Steel Liner, Add	*250.72*	
		For 2" Wall Instead Of 1", Add	*1,032.27*	
		For 3" To 4" Wall Instead Of 1", Add	*1,563.10*	

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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0091	EA	36" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	4,232.91	125.40
		For Aluminum Liner, Add	*215.56*	
		For 304 Stainless Steel Liner, Add	*293.95*	
		For 2" Wall Instead Of 1", Add	*1,207.16*	
		For 3" To 4" Wall Instead Of 1", Add	*1,826.42*	
23 51 16 00-0092	EA	38" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	4,329.70	141.03
		For Aluminum Liner, Add	*218.73*	
		For 304 Stainless Steel Liner, Add	*298.27*	
		For 2" Wall Instead Of 1", Add	*1,228.37*	
		For 3" To 4" Wall Instead Of 1", Add	*1,860.19*	
23 51 16 00-0093	EA	40" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	4,725.85	161.24
		For Aluminum Liner, Add	*237.75*	
		For 304 Stainless Steel Liner, Add	*324.21*	
		For 2" Wall Instead Of 1", Add	*1,337.15*	
		For 3" To 4" Wall Instead Of 1", Add	*2,025.87*	
23 51 16 00-0094	EA	42" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	5,196.38	188.05
		For Aluminum Liner, Add	*259.94*	
		For 304 Stainless Steel Liner, Add	*354.47*	
		For 2" Wall Instead Of 1", Add	*1,464.89*	
		For 3" To 4" Wall Instead Of 1", Add	*2,220.84*	
23 51 16 00-0095	EA	44" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	5,658.18	211.55
		For Aluminum Liner, Add	*282.14*	
		For 304 Stainless Steel Liner, Add	*384.73*	
		For 2" Wall Instead Of 1", Add	*1,591.76*	
		For 3" To 4" Wall Instead Of 1", Add	*2,414.07*	
23 51 16 00-0096	EA	46" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	6,194.59	218.61
		For Aluminum Liner, Add	*310.67*	
		For 304 Stainless Steel Liner, Add	*423.63*	
		For 2" Wall Instead Of 1", Add	*1,749.15*	
		For 3" To 4" Wall Instead Of 1", Add	*2,651.03*	
23 51 16 00-0097	EA	48" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	6,558.24	225.65
		For Aluminum Liner, Add	*329.69*	
		For 304 Stainless Steel Liner, Add	*449.57*	
		For 2" Wall Instead Of 1", Add	*1,854.68*	
		For 3" To 4" Wall Instead Of 1", Add	*2,810.22*	
23 51 16 00-0098		**Vent Top Caps** *(23 51 16 00-0001)*		
23 51 16 00-0099	EA	3" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	58.75	16.33
		For Aluminum Liner, Add	*0.98*	
		For 304 Stainless Steel Liner, Add	*1.34*	
		For 2" Wall Instead Of 1", Add	*9.45*	
		For 3" To 4" Wall Instead Of 1", Add	*16.22*	
23 51 16 00-0100	EA	4" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	61.56	17.16
		For Aluminum Liner, Add	*1.03*	
		For 304 Stainless Steel Liner, Add	*1.41*	
		For 2" Wall Instead Of 1", Add	*9.91*	
		For 3" To 4" Wall Instead Of 1", Add	*17.01*	
23 51 16 00-0101	EA	6" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	79.63	18.81
		For Aluminum Liner, Add	*1.79*	
		For 304 Stainless Steel Liner, Add	*2.45*	
		For 2" Wall Instead Of 1", Add	*14.49*	
		For 3" To 4" Wall Instead Of 1", Add	*24.08*	
23 51 16 00-0102	EA	8" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	84.80	20.92
		For Aluminum Liner, Add	*1.79*	
		For 304 Stainless Steel Liner, Add	*2.45*	
		For 2" Wall Instead Of 1", Add	*15.00*	
		For 3" To 4" Wall Instead Of 1", Add	*25.12*	
23 51 16 00-0103	EA	10" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	103.31	22.09
		For Aluminum Liner, Add	*2.64*	
		For 304 Stainless Steel Liner, Add	*3.61*	
		For 2" Wall Instead Of 1", Add	*19.95*	
		For 3" To 4" Wall Instead Of 1", Add	*32.68*	
23 51 16 00-0104	EA	12" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	122.16	23.50
		For Aluminum Liner, Add	*3.49*	
		For 304 Stainless Steel Liner, Add	*4.76*	
		For 2" Wall Instead Of 1", Add	*24.90*	
		For 3" To 4" Wall Instead Of 1", Add	*40.28*	
23 51 16 00-0105	EA	16" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	289.59	26.79
		For Aluminum Liner, Add	*12.24*	
		For 304 Stainless Steel Liner, Add	*16.69*	
		For 2" Wall Instead Of 1", Add	*73.46*	
		For 3" To 4" Wall Instead Of 1", Add	*113.54*	
23 51 16 00-0106	EA	18" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	540.41	33.61
		For Aluminum Liner, Add	*25.11*	
		For 304 Stainless Steel Liner, Add	*34.24*	
		For 2" Wall Instead Of 1", Add	*145.34*	
		For 3" To 4" Wall Instead Of 1", Add	*222.20*	
23 51 16 00-0107	EA	20" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	999.87	40.32
		For Aluminum Liner, Add	*49.45*	
		For 304 Stainless Steel Liner, Add	*67.44*	
		For 2" Wall Instead Of 1", Add	*279.82*	
		For 3" To 4" Wall Instead Of 1", Add	*424.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0108	EA	24" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	1,662.68	56.42
		For Aluminum Liner, Add	*83.69*	
		For 304 Stainless Steel Liner, Add	*114.12*	
		For 2" Wall Instead Of 1", Add	*470.59*	
		For 3" To 4" Wall Instead Of 1", Add	*712.94*	
23 51 16 00-0109	EA	26" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	2,453.89	59.36
		For Aluminum Liner, Add	*126.80*	
		For 304 Stainless Steel Liner, Add	*172.91*	
		For 2" Wall Instead Of 1", Add	*706.49*	
		For 3" To 4" Wall Instead Of 1", Add	*1,067.15*	
23 51 16 00-0110	EA	28" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	2,750.38	62.64
		For Aluminum Liner, Add	*142.65*	
		For 304 Stainless Steel Liner, Add	*194.53*	
		For 2" Wall Instead Of 1", Add	*793.77*	
		For 3" To 4" Wall Instead Of 1", Add	*1,198.50*	
23 51 16 00-0111	EA	30" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	3,105.51	66.40
		For Aluminum Liner, Add	*161.67*	
		For 304 Stainless Steel Liner, Add	*220.46*	
		For 2" Wall Instead Of 1", Add	*898.45*	
		For 3" To 4" Wall Instead Of 1", Add	*1,355.98*	
23 51 16 00-0112	EA	32" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	3,288.79	70.51
		For Aluminum Liner, Add	*171.18*	
		For 304 Stainless Steel Liner, Add	*233.43*	
		For 2" Wall Instead Of 1", Add	*951.36*	
		For 3" To 4" Wall Instead Of 1", Add	*1,435.86*	
23 51 16 00-0113	EA	34" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	3,473.44	75.21
		For Aluminum Liner, Add	*180.69*	
		For 304 Stainless Steel Liner, Add	*246.40*	
		For 2" Wall Instead Of 1", Add	*1,004.41*	
		For 3" To 4" Wall Instead Of 1", Add	*1,516.02*	
23 51 16 00-0114	EA	36" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	3,717.27	80.62
		For Aluminum Liner, Add	*193.37*	
		For 304 Stainless Steel Liner, Add	*263.69*	
		For 2" Wall Instead Of 1", Add	*1,074.90*	
		For 3" To 4" Wall Instead Of 1", Add	*1,622.42*	

23 51 16 00-0115 Wall Thimbles *(23 51 16 00-0001)*

23 51 16 00-0116	EA	3" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	24.02	8.81
		For Aluminum Liner, Add	*0.11*	
		For 304 Stainless Steel Liner, Add	*0.15*	
		For 2" Wall Instead Of 1", Add	*2.81*	
		For 3" To 4" Wall Instead Of 1", Add	*5.32*	
23 51 16 00-0117	EA	4" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	30.43	11.29
		For Aluminum Liner, Add	*0.12*	
		For 304 Stainless Steel Liner, Add	*0.16*	
		For 2" Wall Instead Of 1", Add	*3.47*	
		For 3" To 4" Wall Instead Of 1", Add	*6.61*	
23 51 16 00-0118	EA	5" Or 6" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	40.49	15.16
		For Aluminum Liner, Add	*0.14*	
		For 304 Stainless Steel Liner, Add	*0.19*	
		For 2" Wall Instead Of 1", Add	*4.57*	
		For 3" To 4" Wall Instead Of 1", Add	*8.74*	
23 51 16 00-0119	EA	7" Or 8" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	50.68	18.81
		For Aluminum Liner, Add	*0.20*	
		For 304 Stainless Steel Liner, Add	*0.28*	
		For 2" Wall Instead Of 1", Add	*5.80*	
		For 3" To 4" Wall Instead Of 1", Add	*11.05*	
23 51 16 00-0120	EA	10" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	72.90	25.38
		For Aluminum Liner, Add	*0.52*	
		For 304 Stainless Steel Liner, Add	*0.71*	
		For 2" Wall Instead Of 1", Add	*9.18*	
		For 3" To 4" Wall Instead Of 1", Add	*16.94*	
23 51 16 00-0121	EA	12" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	92.12	31.50
		For Aluminum Liner, Add	*0.74*	
		For 304 Stainless Steel Liner, Add	*1.00*	
		For 2" Wall Instead Of 1", Add	*11.89*	
		For 3" To 4" Wall Instead Of 1", Add	*21.77*	
23 51 16 00-0122	EA	14" Or 16" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	116.69	37.61
		For Aluminum Liner, Add	*1.25*	
		For 304 Stainless Steel Liner, Add	*1.70*	
		For 2" Wall Instead Of 1", Add	*16.20*	
		For 3" To 4" Wall Instead Of 1", Add	*29.01*	
23 51 16 00-0123	EA	18" Or 20" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	152.22	44.66
		For Aluminum Liner, Add	*2.23*	
		For 304 Stainless Steel Liner, Add	*3.04*	
		For 2" Wall Instead Of 1", Add	*23.34*	
		For 3" To 4" Wall Instead Of 1", Add	*40.59*	
23 51 16 00-0124	EA	22" Or 24" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	204.96	49.36
		For Aluminum Liner, Add	*4.49*	
		For 304 Stainless Steel Liner, Add	*6.12*	
		For 2" Wall Instead Of 1", Add	*36.81*	
		For 3" To 4" Wall Instead Of 1", Add	*61.38*	

23 51 16 00-0125 Adjustable Roof Flashing *(23 51 16 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0126	EA	3" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	65.45	20.92
		For Aluminum Liner, Add	*0.73*	
		For 304 Stainless Steel Liner, Add	*0.99*	
		For 2" Wall Instead Of 1", Add	*9.20*	
		For 3" To 4" Wall Instead Of 1", Add	*16.41*	
23 51 16 00-0127	EA	4" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	72.40	22.09
		For Aluminum Liner, Add	*0.94*	
		For 304 Stainless Steel Liner, Add	*1.28*	
		For 2" Wall Instead Of 1", Add	*10.65*	
		For 3" To 4" Wall Instead Of 1", Add	*18.75*	
23 51 16 00-0128	EA	6" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	91.23	25.03
		For Aluminum Liner, Add	*1.57*	
		For 304 Stainless Steel Liner, Add	*2.14*	
		For 2" Wall Instead Of 1", Add	*14.84*	
		For 3" To 4" Wall Instead Of 1", Add	*25.39*	
23 51 16 00-0129	EA	8" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	111.36	28.91
		For Aluminum Liner, Add	*2.15*	
		For 304 Stainless Steel Liner, Add	*2.93*	
		For 2" Wall Instead Of 1", Add	*18.95*	
		For 3" To 4" Wall Instead Of 1", Add	*32.04*	
23 51 16 00-0130	EA	10" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	185.61	31.38
		For Aluminum Liner, Add	*5.90*	
		For 304 Stainless Steel Liner, Add	*8.04*	
		For 2" Wall Instead Of 1", Add	*40.00*	
		For 3" To 4" Wall Instead Of 1", Add	*63.92*	
23 51 16 00-0131	EA	12" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	221.45	34.20
		For Aluminum Liner, Add	*7.48*	
		For 304 Stainless Steel Liner, Add	*10.20*	
		For 2" Wall Instead Of 1", Add	*49.35*	
		For 3" To 4" Wall Instead Of 1", Add	*78.30*	
23 51 16 00-0132	EA	14" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	261.17	37.61
		For Aluminum Liner, Add	*9.19*	
		For 304 Stainless Steel Liner, Add	*12.54*	
		For 2" Wall Instead Of 1", Add	*59.55*	
		For 3" To 4" Wall Instead Of 1", Add	*94.02*	
23 51 16 00-0133	EA	16" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	312.09	41.84
		For Aluminum Liner, Add	*11.41*	
		For 304 Stainless Steel Liner, Add	*15.56*	
		For 2" Wall Instead Of 1", Add	*72.71*	
		For 3" To 4" Wall Instead Of 1", Add	*114.29*	
23 51 16 00-0134	EA	18" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	474.92	47.01
		For Aluminum Liner, Add	*19.65*	
		For 304 Stainless Steel Liner, Add	*26.80*	
		For 2" Wall Instead Of 1", Add	*118.96*	
		For 3" To 4" Wall Instead Of 1", Add	*184.32*	
23 51 16 00-0135	EA	20" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	520.97	62.64
		For Aluminum Liner, Add	*20.03*	
		For 304 Stainless Steel Liner, Add	*27.32*	
		For 2" Wall Instead Of 1", Add	*124.95*	
		For 3" To 4" Wall Instead Of 1", Add	*195.26*	
23 51 16 00-0136	EA	22" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	662.62	80.62
		For Aluminum Liner, Add	*25.36*	
		For 304 Stainless Steel Liner, Add	*34.58*	
		For 2" Wall Instead Of 1", Add	*158.48*	
		For 3" To 4" Wall Instead Of 1", Add	*247.80*	
23 51 16 00-0137	EA	24" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	788.38	94.02
		For Aluminum Liner, Add	*30.43*	
		For 304 Stainless Steel Liner, Add	*41.50*	
		For 2" Wall Instead Of 1", Add	*189.50*	
		For 3" To 4" Wall Instead Of 1", Add	*296.01*	

23 51 16 00-0138 Galvanized Storm Collars *(23 51 16 00-0001)*

23 51 16 00-0139	EA	3" Round Galvanized Storm Collar, Double Wall	25.80	8.81
		For Aluminum Liner, Add	*0.21*	
		For 304 Stainless Steel Liner, Add	*0.29*	
		For 2" Wall Instead Of 1", Add	*3.35*	
		For 3" To 4" Wall Instead Of 1", Add	*6.12*	
23 51 16 00-0140	EA	4" Round Galvanized Storm Collar, Double Wall	32.60	11.29
		For Aluminum Liner, Add	*0.24*	
		For 304 Stainless Steel Liner, Add	*0.33*	
		For 2" Wall Instead Of 1", Add	*4.14*	
		For 3" To 4" Wall Instead Of 1", Add	*7.62*	
23 51 16 00-0141	EA	5" Round Galvanized Storm Collar, Double Wall	38.37	13.16
		For Aluminum Liner, Add	*0.30*	
		For 304 Stainless Steel Liner, Add	*0.41*	
		For 2" Wall Instead Of 1", Add	*4.93*	
		For 3" To 4" Wall Instead Of 1", Add	*9.04*	
23 51 16 00-0142	EA	6" Round Galvanized Storm Collar, Double Wall	44.17	15.04
		For Aluminum Liner, Add	*0.36*	
		For 304 Stainless Steel Liner, Add	*0.49*	
		For 2" Wall Instead Of 1", Add	*5.73*	
		For 3" To 4" Wall Instead Of 1", Add	*10.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0143	EA	7" Or 8" Round Galvanized Storm Collar, Double Wall	55.74	18.81
		For Aluminum Liner, Add	*0.48*	
		For 304 Stainless Steel Liner, Add	*0.65*	
		For 2" Wall Instead Of 1", Add	*7.32*	
		For 3" To 4" Wall Instead Of 1", Add	*13.33*	
23 51 16 00-0144	EA	10" Round Galvanized Storm Collar, Double Wall	77.15	25.38
		For Aluminum Liner, Add	*0.75*	
		For 304 Stainless Steel Liner, Add	*1.03*	
		For 2" Wall Instead Of 1", Add	*10.45*	
		For 3" To 4" Wall Instead Of 1", Add	*18.85*	
23 51 16 00-0145	EA	12" Round Galvanized Storm Collar, Double Wall	95.19	31.50
		For Aluminum Liner, Add	*0.90*	
		For 304 Stainless Steel Liner, Add	*1.23*	
		For 2" Wall Instead Of 1", Add	*12.81*	
		For 3" To 4" Wall Instead Of 1", Add	*23.15*	
23 51 16 00-0146	EA	14" Or 16" Round Galvanized Storm Collar, Double Wall	121.91	37.61
		For Aluminum Liner, Add	*1.53*	
		For 304 Stainless Steel Liner, Add	*2.09*	
		For 2" Wall Instead Of 1", Add	*17.77*	
		For 3" To 4" Wall Instead Of 1", Add	*31.36*	
23 51 16 00-0147	EA	18" Or 20" Round Galvanized Storm Collar, Double Wall	162.14	44.66
		For Aluminum Liner, Add	*2.78*	
		For 304 Stainless Steel Liner, Add	*3.79*	
		For 2" Wall Instead Of 1", Add	*26.31*	
		For 3" To 4" Wall Instead Of 1", Add	*45.05*	
23 51 16 00-0148	EA	22" Or 24" Round Galvanized Storm Collar, Double Wall	229.81	49.36
		For Aluminum Liner, Add	*5.85*	
		For 304 Stainless Steel Liner, Add	*7.98*	
		For 2" Wall Instead Of 1", Add	*44.26*	
		For 3" To 4" Wall Instead Of 1", Add	*72.56*	

23 51 16 00-0149 Oval Galvanized Double Wall Flue/Vent Pipe And Fittings *(23 51 16)*

23 51 16 00-0150 Oval Galvanized Double Wall Flue/Vent Pipe *(23 51 16 00-0149)*

23 51 16 00-0151	LF	4" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	44.15	11.05
		For 2" Wall Instead Of 1", Add	*7.72*	
		For 3" To 4" Wall Instead Of 1", Add	*12.96*	
23 51 16 00-0152	LF	5" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	48.78	11.75
		For 2" Wall Instead Of 1", Add	*8.80*	
		For 3" To 4" Wall Instead Of 1", Add	*14.66*	
23 51 16 00-0153	LF	6" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	54.12	12.58
		For 2" Wall Instead Of 1", Add	*9.96*	
		For 3" To 4" Wall Instead Of 1", Add	*16.51*	

23 51 16 00-0154 45 Degree Elbows *(23 51 16 00-0149)*

23 51 16 00-0155	EA	4" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	96.93	22.92
		For 2" Wall Instead Of 1", Add	*17.61*	
		For 3" To 4" Wall Instead Of 1", Add	*29.29*	
23 51 16 00-0156	EA	5" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	113.10	26.79
		For 2" Wall Instead Of 1", Add	*20.53*	
		For 3" To 4" Wall Instead Of 1", Add	*34.15*	
23 51 16 00-0157	EA	6" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	134.95	30.32
		For 2" Wall Instead Of 1", Add	*25.32*	
		For 3" To 4" Wall Instead Of 1", Add	*41.77*	
23 51 16 00-0158	EA	4" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	98.91	22.92
		For 2" Wall Instead Of 1", Add	*18.21*	
		For 3" To 4" Wall Instead Of 1", Add	*30.18*	
23 51 16 00-0159	EA	5" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	117.91	26.79
		For 2" Wall Instead Of 1", Add	*21.98*	
		For 3" To 4" Wall Instead Of 1", Add	*36.31*	
23 51 16 00-0160	EA	6" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	138.06	30.32
		For 2" Wall Instead Of 1", Add	*26.25*	
		For 3" To 4" Wall Instead Of 1", Add	*43.17*	

23 51 16 00-0161 Tees *(23 51 16 00-0149)*

23 51 16 00-0162	EA	4" Standard Oval Flue/Vent Pipe Tee, Galvanized Double Wall Breech/Smoke Pipe	162.59	34.79
		For 2" Wall Instead Of 1", Add	*31.37*	
		For 3" To 4" Wall Instead Of 1", Add	*51.40*	
23 51 16 00-0163	EA	4" Short Snout Oval Flue/Vent Tee, Galvanized Double Wall Breech/Smoke Pipe	165.70	34.79
		For 2" Wall Instead Of 1", Add	*32.30*	
		For 3" To 4" Wall Instead Of 1", Add	*52.80*	
23 51 16 00-0164	EA	5" Standard Oval Flue/Vent Pipe Tee, Galvanized Double Wall Breech/Smoke Pipe	190.42	39.96
		For 2" Wall Instead Of 1", Add	*37.15*	
		For 3" To 4" Wall Instead Of 1", Add	*60.71*	
23 51 16 00-0165	EA	6" Oval Flue/Vent Tee With Round Coupling, Galvanized Double Wall Breech/Smoke Pipe	218.02	44.78
		For 2" Wall Instead Of 1", Add	*43.02*	
		For 3" To 4" Wall Instead Of 1", Add	*70.12*	

23 51 16 00-0166 Tops/Caps And Adjustable Flashing *(23 51 16 00-0149)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0167	EA	4" Oval Flue/Vent Pipe Top/Cap, Galvanized Double Wall Breech/Smoke Pipe	62.55	11.29
		For 2" Wall Instead Of 1", Add	*13.10*	
		For 3" To 4" Wall Instead Of 1", Add	*21.07*	
23 51 16 00-0168	EA	6" Oval Flue/Vent Pipe Top/Cap, Galvanized Double Wall Breech/Smoke Pipe	98.02	15.16
		For 2" Wall Instead Of 1", Add	*21.82*	
		For 3" To 4" Wall Instead Of 1", Add	*34.63*	
23 51 16 00-0169	EA	4" Oval Flue/Vent Adjustable Flashing, Galvanized Double Wall Breech/Smoke Pipe	50.38	11.29
		For 2" Wall Instead Of 1", Add	*9.45*	
		For 3" To 4" Wall Instead Of 1", Add	*15.59*	
23 51 16 00-0170	EA	6" Oval Flue/Vent Adjustable Flashing, Galvanized Double Wall Breech/Smoke Pipe	86.57	15.16
		For 2" Wall Instead Of 1", Add	*18.39*	
		For 3" To 4" Wall Instead Of 1", Add	*29.48*	
23 51 16 00-0171		**Storm Collars** *(23 51 16 00-0149)*		
23 51 16 00-0172	EA	4" Oval Galvanized Storm Collar, Double Wall	32.60	11.29
		For 2" Wall Instead Of 1", Add	*4.14*	
		For 3" To 4" Wall Instead Of 1", Add	*7.62*	
23 51 16 00-0173	EA	5" Oval Galvanized Storm Collar, Double Wall	38.37	13.16
		For 2" Wall Instead Of 1", Add	*4.93*	
		For 3" To 4" Wall Instead Of 1", Add	*9.04*	
23 51 16 00-0174	EA	6" Oval Galvanized Storm Collar, Double Wall	44.17	15.04
		For 2" Wall Instead Of 1", Add	*5.73*	
		For 3" To 4" Wall Instead Of 1", Add	*10.47*	
23 51 16 00-0175		**Round Double Wall Flue/Vent Pipe And Fittings** *(23 51 16)*		
		Note: 304 Stainless steel inner wall and aluminum steel outer jacket, with 1" insulation.		
23 51 16 00-0176		**Round Double Wall Flue/Vent Pipe** *(23 51 16 00-0175)*		
		Note: 304 Stainless steel inner wall and aluminum steel outer jacket, with 1" insulation.		
23 51 16 00-0177	LF	6" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	119.49	12.58
		For 316 Stainless Steel, Add	*14.10*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*8.81*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*17.62*	
23 51 16 00-0178	LF	8" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	143.75	14.46
		For 316 Stainless Steel, Add	*17.21*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*10.75*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*21.51*	
23 51 16 00-0179	LF	10" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	159.61	15.63
		For 316 Stainless Steel, Add	*19.28*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*12.05*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*24.10*	
23 51 16 00-0180	LF	12" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	180.07	17.04
		For 316 Stainless Steel, Add	*21.97*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*13.73*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*27.47*	
23 51 16 00-0181	LF	14" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	202.86	17.86
		For 316 Stainless Steel, Add	*25.29*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*15.81*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*31.61*	
23 51 16 00-0182	LF	16" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	214.23	18.81
		For 316 Stainless Steel, Add	*26.74*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*16.71*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*33.43*	
23 51 16 00-0183	LF	18" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	237.41	19.87
		For 316 Stainless Steel, Add	*30.06*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*18.79*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*37.57*	
23 51 16 00-0184	LF	20" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	293.47	31.38
		For 316 Stainless Steel, Add	*34.41*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*21.51*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*43.01*	
23 51 16 00-0185	LF	24" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	365.42	35.26
		For 316 Stainless Steel, Add	*44.36*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*27.73*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*55.45*	
23 51 16 00-0186	LF	28" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	412.70	37.61
		For 316 Stainless Steel, Add	*51.00*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*31.87*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*63.74*	
23 51 16 00-0187	LF	32" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	461.95	41.73
		For 316 Stainless Steel, Add	*57.21*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*35.76*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*71.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0188	LF	36" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	514.33	45.13
		For 316 Stainless Steel, Add	*64.26*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*40.16*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*80.33*	
23 51 16 00-0189	LF	42" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	587.15	51.36
		For 316 Stainless Steel, Add	*73.38*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*45.87*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*91.73*	
23 51 16 00-0190	LF	48" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	687.66	59.47
		For 316 Stainless Steel, Add	*86.24*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*53.90*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*107.80*	

23 51 16 00-0191 90 Degree Elbows *(23 51 16 00-0175)*

23 51 16 00-0192	EA	6" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	565.01	25.98
		For 316 Stainless Steel, Add	*100.02*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*50.01*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*100.02*	
23 51 16 00-0193	EA	8" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	624.21	28.91
		For 316 Stainless Steel, Add	*110.39*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*55.19*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*110.39*	
23 51 16 00-0194	EA	10" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	710.69	31.38
		For 316 Stainless Steel, Add	*126.45*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*63.23*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*126.45*	
23 51 16 00-0195	EA	12" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	803.23	34.20
		For 316 Stainless Steel, Add	*143.56*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*71.78*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*143.56*	
23 51 16 00-0196	EA	14" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	931.73	35.85
		For 316 Stainless Steel, Add	*168.43*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*84.22*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*168.43*	
23 51 16 00-0197	EA	16" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,026.85	37.61
		For 316 Stainless Steel, Add	*186.57*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*93.29*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*186.57*	
23 51 16 00-0198	EA	18" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,187.28	39.61
		For 316 Stainless Steel, Add	*217.67*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*108.83*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*217.67*	
23 51 16 00-0199	EA	20" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,374.60	62.64
		For 316 Stainless Steel, Add	*243.58*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*121.79*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*243.58*	
23 51 16 00-0200	EA	24" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,692.17	70.51
		For 316 Stainless Steel, Add	*303.18*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*151.59*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*303.18*	
23 51 16 00-0201	EA	28" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,053.75	75.21
		For 316 Stainless Steel, Add	*373.14*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*186.57*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*373.14*	
23 51 16 00-0202	EA	32" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,714.91	80.51
		For 316 Stainless Steel, Add	*502.70*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*251.35*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*502.70*	
23 51 16 00-0203	EA	36" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,085.44	94.02
		For 316 Stainless Steel, Add	*570.08*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*285.04*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*570.08*	
23 51 16 00-0204	EA	42" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	4,531.92	102.60
		For 316 Stainless Steel, Add	*855.11*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*427.56*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*855.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0205	EA	48" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	5,658.90	112.82
		For 316 Stainless Steel, Add	*1,075.37*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*537.68*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*1,075.37*	
23 51 16 00-0206		45 Degree Elbows *(23 51 16 00-0175)*		
23 51 16 00-0207	EA	6" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	376.18	25.03
		For 316 Stainless Steel, Add	*62.71*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*31.35*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*62.71*	
23 51 16 00-0208	EA	8" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	429.86	28.91
		For 316 Stainless Steel, Add	*71.52*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*35.76*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*71.52*	
23 51 16 00-0209	EA	10" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	477.45	31.38
		For 316 Stainless Steel, Add	*79.81*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*39.91*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*79.81*	
23 51 16 00-0210	EA	12" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	544.10	34.20
		For 316 Stainless Steel, Add	*91.73*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*45.87*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*91.73*	
23 51 16 00-0211	EA	14" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	612.99	35.85
		For 316 Stainless Steel, Add	*104.69*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*52.34*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*104.69*	
23 51 16 00-0212	EA	16" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	687.40	37.61
		For 316 Stainless Steel, Add	*118.68*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*59.34*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*118.68*	
23 51 16 00-0213	EA	18" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	770.08	39.61
		For 316 Stainless Steel, Add	*134.23*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*67.11*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*134.23*	
23 51 16 00-0214	EA	20" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	923.73	62.64
		For 316 Stainless Steel, Add	*153.40*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*76.70*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*153.40*	
23 51 16 00-0215	EA	24" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,160.98	70.51
		For 316 Stainless Steel, Add	*196.94*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*98.47*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*196.94*	
23 51 16 00-0216	EA	28" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,302.29	75.21
		For 316 Stainless Steel, Add	*222.85*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*111.42*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*222.85*	
23 51 16 00-0217	EA	32" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,691.37	80.51
		For 316 Stainless Steel, Add	*297.99*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*149.00*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*297.99*	
23 51 16 00-0218	EA	36" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,243.28	94.02
		For 316 Stainless Steel, Add	*401.64*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*200.82*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*401.64*	
23 51 16 00-0219	EA	42" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,977.17	102.60
		For 316 Stainless Steel, Add	*544.16*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*272.08*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*544.16*	
23 51 16 00-0220	EA	48" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,974.61	112.82
		For 316 Stainless Steel, Add	*738.51*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*369.25*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*738.51*	
23 51 16 00-0221		Tees *(23 51 16 00-0175)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0222	EA	6" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	407.52	31.38
		For 316 Stainless Steel, Add	*72.40*	
		For Tee Cap, Add	*93.27*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*32.91*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*65.82*	
23 51 16 00-0223	EA	8" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	463.77	34.20
		For 316 Stainless Steel, Add	*83.23*	
		For Tee Cap, Add	*105.57*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*37.83*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*75.66*	
23 51 16 00-0224	EA	10" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	532.63	35.85
		For 316 Stainless Steel, Add	*97.48*	
		For Tee Cap, Add	*119.96*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*44.31*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*88.62*	
23 51 16 00-0225	EA	12" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	612.24	37.61
		For 316 Stainless Steel, Add	*114.02*	
		For Tee Cap, Add	*136.55*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*51.83*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*103.65*	
23 51 16 00-0226	EA	14" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	716.01	41.84
		For 316 Stainless Steel, Add	*134.54*	
		For Tee Cap, Add	*158.87*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*61.15*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*122.31*	
23 51 16 00-0227	EA	16" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	804.13	47.01
		For 316 Stainless Steel, Add	*151.07*	
		For Tee Cap, Add	*178.44*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*68.67*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*137.34*	
23 51 16 00-0228	EA	18" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	937.50	53.71
		For 316 Stainless Steel, Add	*176.72*	
		For Tee Cap, Add	*207.63*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*80.33*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*160.66*	
23 51 16 00-0229	EA	20" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,072.85	66.40
		For 316 Stainless Steel, Add	*199.53*	
		For Tee Cap, Add	*239.46*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*90.69*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*181.39*	
23 51 16 00-0230	EA	24" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,362.25	94.02
		For 316 Stainless Steel, Add	*247.98*	
		For Tee Cap, Add	*307.71*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*112.72*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*225.44*	
23 51 16 00-0231	EA	28" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,655.63	102.60
		For 316 Stainless Steel, Add	*307.84*	
		For Tee Cap, Add	*369.58*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*139.93*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*279.85*	
23 51 16 00-0232	EA	32" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,199.58	112.82
		For 316 Stainless Steel, Add	*421.85*	
		For Tee Cap, Add	*482.23*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*191.75*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*383.50*	
23 51 16 00-0233	EA	36" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,451.35	125.40
		For 316 Stainless Steel, Add	*470.31*	
		For Tee Cap, Add	*537.31*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*213.78*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*427.56*	
23 51 16 00-0234	EA	42" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,903.52	188.05
		For 316 Stainless Steel, Add	*755.35*	
		For Tee Cap, Add	*851.22*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*343.34*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*686.68*	
23 51 16 00-0235	EA	48" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	4,904.51	225.65
		For 316 Stainless Steel, Add	*954.87*	
		For Tee Cap, Add	*1,065.53*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*434.03*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*868.07*	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0236		**Bellows** *(23 51 16 00-0175)*		
23 51 16 00-0237	EA	6" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	772.64	25.03
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*71.00*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*142.00*	
23 51 16 00-0238	EA	8" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	841.87	28.91
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*76.96*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*153.92*	
23 51 16 00-0239	EA	10" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	920.59	31.38
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*84.22*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*168.43*	
23 51 16 00-0240	EA	12" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,018.30	34.20
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*93.29*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*186.57*	
23 51 16 00-0241	EA	14" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,139.02	35.85
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*104.95*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*209.89*	
23 51 16 00-0242	EA	16" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,260.06	37.61
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*116.61*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*233.21*	
23 51 16 00-0243	EA	18" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,407.53	39.61
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*130.86*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*261.72*	
23 51 16 00-0244	EA	20" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,633.70	62.64
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*147.70*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*295.40*	
23 51 16 00-0245	EA	24" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,016.10	70.51
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*183.98*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*367.96*	
23 51 16 00-0246	EA	28" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,261.07	75.21
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*207.30*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*414.60*	
23 51 16 00-0247	EA	32" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,585.47	80.62
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*238.40*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*476.79*	
23 51 16 00-0248	EA	36" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,955.89	94.02
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*272.08*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*544.16*	
23 51 16 00-0249	EA	42" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,754.57	102.60
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*349.82*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*699.64*	
23 51 16 00-0250	EA	48" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	4,557.64	112.82
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*427.56*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*855.11*	
23 51 16 00-0251		**Ventilated Roof Thimbles** *(23 51 16 00-0175)*		
23 51 16 00-0252	EA	6" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	512.82	28.91
		For 316 Stainless Steel, Add	*44.05*	
23 51 16 00-0253	EA	8" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	557.06	34.20
		For 316 Stainless Steel, Add	*47.16*	
23 51 16 00-0254	EA	10" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	609.65	37.61
		For 316 Stainless Steel, Add	*51.57*	
23 51 16 00-0255	EA	12" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	659.06	41.84
		For 316 Stainless Steel, Add	*55.45*	
23 51 16 00-0256	EA	14" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	838.78	44.30
		For 316 Stainless Steel, Add	*72.81*	
23 51 16 00-0257	EA	16" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	749.76	47.01
		For 316 Stainless Steel, Add	*63.23*	
23 51 16 00-0258	EA	18" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	806.92	50.18
		For 316 Stainless Steel, Add	*68.15*	
23 51 16 00-0259	EA	20" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	907.04	70.51
		For 316 Stainless Steel, Add	*73.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0260	EA	24" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,017.50	80.51
		For 316 Stainless Steel, Add	*81.62*	
23 51 16 00-0261	EA	28" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,162.65	86.73
		For 316 Stainless Steel, Add	*94.58*	
23 51 16 00-0262	EA	32" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,297.32	93.90
		For 316 Stainless Steel, Add	*106.24*	
23 51 16 00-0263	EA	36" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,447.96	112.71
		For 316 Stainless Steel, Add	*116.61*	
23 51 16 00-0264	EA	42" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,855.06	125.29
		For 316 Stainless Steel, Add	*154.18*	
23 51 16 00-0265	EA	48" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,295.78	140.91
		For 316 Stainless Steel, Add	*194.34*	
23 51 16 00-0266		**Exit Cones** *(23 51 16 00-0175)*		
23 51 16 00-0267	EA	6" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	354.46	16.33
23 51 16 00-0268	EA	8" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	373.88	17.86
23 51 16 00-0269	EA	10" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	402.00	18.81
23 51 16 00-0270	EA	12" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	420.03	19.75
23 51 16 00-0271	EA	14" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	462.82	20.33
23 51 16 00-0272	EA	16" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	505.61	20.80
23 51 16 00-0273	EA	18" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	613.39	21.51
23 51 16 00-0274	EA	20" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	766.70	40.32
23 51 16 00-0275	EA	24" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	963.58	43.37
23 51 16 00-0276	EA	28" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,149.34	45.13
23 51 16 00-0277	EA	32" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,413.16	47.01
23 51 16 00-0278	EA	36" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,605.27	51.36
23 51 16 00-0279	EA	42" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,025.97	53.71
23 51 16 00-0280	EA	48" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,589.77	56.42
23 51 16 00-0281		**Vent Top Caps** *(23 51 16 00-0175)*		
23 51 16 00-0282	EA	6" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	388.06	16.33
23 51 16 00-0283	EA	8" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	449.03	17.86
23 51 16 00-0284	EA	10" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	521.17	18.81
23 51 16 00-0285	EA	12" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	598.79	19.75
23 51 16 00-0286	EA	14" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	698.57	20.33
23 51 16 00-0287	EA	16" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	793.31	20.92
23 51 16 00-0288	EA	18" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	882.92	21.51
23 51 16 00-0289	EA	20" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,059.40	40.32
23 51 16 00-0290	EA	24" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,261.57	43.37
23 51 16 00-0291	EA	28" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,369.53	45.13
23 51 16 00-0292	EA	32" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,555.60	47.01
23 51 16 00-0293	EA	36" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,812.43	51.24
23 51 16 00-0294	EA	42" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,207.28	53.71
23 51 16 00-0295	EA	48" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,563.78	56.42
23 51 16 00-0296		**Roof Support Assemblies** *(23 51 16 00-0175)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0297	EA	6" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	585.60	30.09
		For 316 Stainless Steel, Add	*102.10*	
23 51 16 00-0298	EA	8" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	646.68	35.85
		For 316 Stainless Steel, Add	*111.42*	
23 51 16 00-0299	EA	10" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	710.43	39.61
		For 316 Stainless Steel, Add	*122.31*	
23 51 16 00-0300	EA	12" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	758.35	44.19
		For 316 Stainless Steel, Add	*129.56*	
23 51 16 00-0301	EA	14" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	845.66	47.01
		For 316 Stainless Steel, Add	*145.63*	
23 51 16 00-0302	EA	16" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	897.57	50.18
		For 316 Stainless Steel, Add	*154.44*	
23 51 16 00-0303	EA	18" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	963.63	53.83
		For 316 Stainless Steel, Add	*165.84*	
23 51 16 00-0304	EA	20" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,069.07	75.21
		For 316 Stainless Steel, Add	*176.20*	
23 51 16 00-0305	EA	24" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,201.68	86.85
		For 316 Stainless Steel, Add	*196.94*	
23 51 16 00-0306	EA	28" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,388.17	94.02
		For 316 Stainless Steel, Add	*230.62*	
23 51 16 00-0307	EA	32" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,655.65	102.60
		For 316 Stainless Steel, Add	*279.85*	
23 51 16 00-0308	EA	36" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,920.15	125.40
		For 316 Stainless Steel, Add	*321.32*	
23 51 16 00-0309	EA	42" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,866.06	141.03
		For 316 Stainless Steel, Add	*502.70*	
23 51 16 00-0310	EA	48" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,510.34	160.31
		For 316 Stainless Steel, Add	*621.90*	

23 51 16 00-0311 Round Stainless Steel Double Wall Flue/Vent Pipe And Fittings *(23 51 16)*

Note: With 1" insulation.

23 51 16 00-0312 Round Stainless Steel Double Wall Flue/Vent Pipe *(23 51 16 00-0311)*

Note: With 1" insulation.

23 51 16 00-0313	LF	6" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	103.95	12.58
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*7.26*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*14.51*	
23 51 16 00-0314	LF	7" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	126.89	13.40
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*9.33*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*18.66*	
23 51 16 00-0315	LF	8" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	145.04	14.46
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*10.88*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*21.77*	
23 51 16 00-0316	LF	10" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	197.14	15.63
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*15.81*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*31.61*	
23 51 16 00-0317	LF	12" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	255.26	17.16
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*21.25*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*42.50*	
23 51 16 00-0318	LF	14" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	324.75	17.98
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*27.99*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*55.97*	

23 51 16 00-0319 90 Degree Elbows *(23 51 16 00-0311)*

23 51 16 00-0320	EA	6" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	224.64	25.03
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*16.20*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*32.39*	
23 51 16 00-0321	EA	7" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	248.49	26.79
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*18.14*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*36.28*	
23 51 16 00-0322	EA	8" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	279.61	28.91
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*20.73*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*41.46*	
23 51 16 00-0323	EA	10" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	347.89	31.38
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*26.95*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*53.90*	
23 51 16 00-0324	EA	12" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	414.55	34.20
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*32.91*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*65.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0325	EA	14" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	483.37	35.85
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*39.39*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*78.77*	

23 51 16 00-0326 45 Degree Elbows *(23 51 16 00-0311)*

23 51 16 00-0327	EA	6" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	184.15	25.03
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*12.15*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*24.29*	
23 51 16 00-0328	EA	7" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	203.14	26.79
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*13.60*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*27.21*	
23 51 16 00-0329	EA	8" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	227.80	28.91
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*15.55*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*31.10*	
23 51 16 00-0330	EA	10" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	280.52	31.38
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*20.21*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*40.42*	
23 51 16 00-0331	EA	12" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	332.26	34.20
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*24.68*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*49.36*	
23 51 16 00-0332	EA	14" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	384.96	35.85
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*29.54*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*59.08*	

23 51 16 00-0333 Tees With Tee Caps *(23 51 16 00-0311)*

23 51 16 00-0334	EA	6" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	368.40	25.03
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*30.58*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*61.15*	
23 51 16 00-0335	EA	7" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	466.16	26.79
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*39.91*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*79.81*	
23 51 16 00-0336	EA	8" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	523.16	28.91
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*45.09*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*90.18*	
23 51 16 00-0337	EA	10" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	713.18	31.38
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*63.49*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*126.97*	
23 51 16 00-0338	EA	12" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	979.39	34.20
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*89.40*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*178.80*	
23 51 16 00-0339	EA	14" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	1,255.53	35.85
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*116.61*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*233.21*	

23 51 16 00-0340 Joist Shields *(23 51 16 00-0311)*

23 51 16 00-0341	EA	6" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	155.94	25.03
23 51 16 00-0342	EA	7" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	168.17	26.79
23 51 16 00-0343	EA	8" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	196.66	28.91
23 51 16 00-0344	EA	10" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	245.58	31.38
23 51 16 00-0345	EA	12" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	294.04	34.20
23 51 16 00-0346	EA	14" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	348.62	35.85

23 51 16 00-0347 Adjustable Roof Flashing *(23 51 16 00-0311)*

23 51 16 00-0348	EA	6" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	185.72	25.03
23 51 16 00-0349	EA	7" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	207.03	26.79
23 51 16 00-0350	EA	8" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	225.14	28.91
23 51 16 00-0351	EA	10" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	274.05	31.38
23 51 16 00-0352	EA	12" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	338.17	34.20
23 51 16 00-0353	EA	14" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	405.59	35.72

23 51 16 00-0354 Vent Top Caps *(23 51 16 00-0311)*

23 51 16 00-0355	EA	6" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	166.30	25.03
23 51 16 00-0356	EA	7" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	208.32	26.79
23 51 16 00-0357	EA	8" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	261.43	28.91
23 51 16 00-0358	EA	10" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	417.90	31.38
23 51 16 00-0359	EA	12" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	570.06	34.20
23 51 16 00-0360	EA	14" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	726.97	35.85

23 51 16 00-0361 Roof Support Assemblies *(23 51 16 00-0311)*

23 51 16 00-0362	EA	6" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	247.82	25.03
23 51 16 00-0363	EA	7" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	275.70	26.79
23 51 16 00-0364	EA	8" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	298.98	28.91
23 51 16 00-0365	EA	10" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	376.33	31.38
23 51 16 00-0366	EA	12" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	445.63	34.20
23 51 16 00-0367	EA	14" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	545.59	35.85

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0368		Polyvinyl Chloride (PVC) Flue/Vent Accessories *(23 51 16)*		
23 51 16 00-0369		Concentric Polyvinyl Chloride (PVC) Vent Termination *(23 51 16 00-0368)*		
23 51 16 00-0370	EA	2" Concentric Polyvinyl Chloride (PVC) Vent Termination	248.04	47.86
23 51 16 00-0371	EA	3" Concentric Polyvinyl Chloride (PVC) Vent Termination	269.80	47.86
23 51 16 00-0372		Polypropylene (PP) Flue/Vent Pipe And Fittings *(23 51 16)*		
		Note: Centrotherm InnoFlue® Vent System		
23 51 16 00-0373		Polypropylene Flue/Vent Rigid Pipe Sections *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent lengths with dedicated male and female ends.		
23 51 16 00-0374	EA	2" x 12" Polypropylene Flue/Vent Rigid Pipe Section	44.96	14.54
23 51 16 00-0375	EA	2" x 24" Polypropylene Flue/Vent Rigid Pipe Section	51.42	15.30
23 51 16 00-0376	EA	2" x 36" Polypropylene Flue/Vent Rigid Pipe Section	59.07	17.01
23 51 16 00-0377	EA	2" x 72" Polypropylene Flue/Vent Rigid Pipe Section	73.63	20.01
23 51 16 00-0378	EA	3" x 12" Polypropylene Flue/Vent Rigid Pipe Section	54.25	16.66
23 51 16 00-0379	EA	3" x 24" Polypropylene Flue/Vent Rigid Pipe Section	66.13	17.55
23 51 16 00-0380	EA	3" x 36" Polypropylene Flue/Vent Rigid Pipe Section	81.64	19.49
23 51 16 00-0381	EA	3" x 72" Polypropylene Flue/Vent Rigid Pipe Section	101.27	22.93
23 51 16 00-0382	EA	4" x 12" Polypropylene Flue/Vent Rigid Pipe Section	91.05	22.05
23 51 16 00-0383	EA	4" x 24" Polypropylene Flue/Vent Rigid Pipe Section	108.24	23.20
23 51 16 00-0384	EA	4" x 36" Polypropylene Flue/Vent Rigid Pipe Section	135.38	25.79
23 51 16 00-0385	EA	4" x 72" Polypropylene Flue/Vent Rigid Pipe Section	176.18	30.34
23 51 16 00-0386	EA	5" x 12" Polypropylene Flue/Vent Rigid Pipe Section	135.11	32.54
23 51 16 00-0387	EA	5" x 24" Polypropylene Flue/Vent Rigid Pipe Section	155.23	34.24
23 51 16 00-0388	EA	5" x 36" Polypropylene Flue/Vent Rigid Pipe Section	203.47	38.06
23 51 16 00-0389	EA	5" x 72" Polypropylene Flue/Vent Rigid Pipe Section	265.67	44.78
23 51 16 00-0390		Polypropylene Flue/Vent Elbows *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0391	EA	2" Polypropylene Flue/Vent 15 Degree Elbow	55.65	17.66
23 51 16 00-0392	EA	3" Polypropylene Flue/Vent 15 Degree Elbow	65.63	18.60
23 51 16 00-0393	EA	4" Polypropylene Flue/Vent 15 Degree Elbow	82.93	19.27
23 51 16 00-0394	EA	5" Polypropylene Flue/Vent 15 Degree Elbow	96.87	20.06
23 51 16 00-0395	EA	2" Polypropylene Flue/Vent 30 Degree Elbow	55.65	17.66
23 51 16 00-0396	EA	3" Polypropylene Flue/Vent 30 Degree Elbow	65.63	18.60
23 51 16 00-0397	EA	4" Polypropylene Flue/Vent 30 Degree Elbow	82.93	19.27
23 51 16 00-0398	EA	5" Polypropylene Flue/Vent 30 Degree Elbow	96.87	20.06
23 51 16 00-0399	EA	2" Polypropylene Flue/Vent 45 Degree Elbow	55.65	17.66
23 51 16 00-0400	EA	3" Polypropylene Flue/Vent 45 Degree Elbow	65.63	18.60
23 51 16 00-0401	EA	4" Polypropylene Flue/Vent 45 Degree Elbow	82.93	19.27
23 51 16 00-0402	EA	5" Polypropylene Flue/Vent 45 Degree Elbow	96.87	20.06
23 51 16 00-0403	EA	2" Polypropylene Flue/Vent 87 Degree Elbow	55.65	17.66
23 51 16 00-0404	EA	3" Polypropylene Flue/Vent 87 Degree Elbow	65.63	18.60
23 51 16 00-0405	EA	4" Polypropylene Flue/Vent 87 Degree Elbow	81.85	19.27
23 51 16 00-0406	EA	5" Polypropylene Flue/Vent 87 Degree Elbow	99.54	20.06
23 51 16 00-0407		Polypropylene Flue/Vent Tees *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0408	EA	2" Polypropylene Flue/Vent Tee	180.01	26.50
23 51 16 00-0409	EA	3" Polypropylene Flue/Vent Tee	227.47	27.90
23 51 16 00-0410	EA	4" Polypropylene Flue/Vent Tee	267.87	28.91
23 51 16 00-0411	EA	5" Polypropylene Flue/Vent Tee	293.46	30.09
23 51 16 00-0412		Polypropylene Flue/Vent Adaptors *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0413	EA	2" Polypropylene Flue/Vent Adaptor With Gasket	66.19	17.66
23 51 16 00-0414	EA	3" Polypropylene Flue/Vent Adaptor With Gasket	96.31	18.60
23 51 16 00-0415	EA	4" Polypropylene Flue/Vent Adaptor With Gasket	112.63	19.27
23 51 16 00-0416	EA	5" Polypropylene Flue/Vent Adaptor With Gasket	154.94	20.06
23 51 16 00-0417		Polypropylene Flue/Vent Increases *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0418	EA	2" to 3" Polypropylene Flue/Vent Centric Increaser	73.67	18.13
23 51 16 00-0419	EA	3" to 4" Polypropylene Flue/Vent Centric Increaser	80.87	18.93
23 51 16 00-0420	EA	4" to 5" Polypropylene Flue/Vent Centric Increaser	148.56	19.66
23 51 16 00-0421	EA	2" to 3" Polypropylene Flue/Vent Eccentric Increaser	100.70	18.13
23 51 16 00-0422	EA	3" to 4" Polypropylene Flue/Vent Eccentric Increaser	78.67	18.93
23 51 16 00-0423	EA	4" to 5" Polypropylene Flue/Vent Eccentric Increaser	206.30	19.66
23 51 16 00-0424		Polypropylene Flue/Vent Reducers *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0425	EA	3" to 2" Polypropylene Flue/Vent Reducer	73.67	18.13
23 51 16 00-0426	EA	4" to 3" Polypropylene Flue/Vent Reducer	80.87	18.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0427	EA	5" to 4" Polypropylene Flue/Vent Reducer	184.56	19.66
23 51 16 00-0428		**Polypropylene Flue/Vent Test Ports** *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0429	EA	2" Polypropylene Flue/Vent Test Port	92.69	26.50
23 51 16 00-0430	EA	3" Polypropylene Flue/Vent Test Port	104.36	27.90
23 51 16 00-0431	EA	4" Polypropylene Flue/Vent Test Port	162.69	28.91
23 51 16 00-0432	EA	5" Polypropylene Flue/Vent Test Port	173.88	30.09
23 51 16 00-0433		**Polypropylene Flue/Vent Cascade Components** *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0434	EA	4" x 15" Polypropylene Flue/Vent Branch Tee With 4" Feeder	272.72	28.91
23 51 16 00-0435	EA	4" x 42" Polypropylene Flue/Vent Branch Tee With 4" Feeder	357.54	36.14
23 51 16 00-0436	EA	5" x 12" Polypropylene Flue/Vent Branch Tee With 4" Feeder	222.97	30.09
23 51 16 00-0437	EA	5" x 42" Polypropylene Flue/Vent Branch Tee With 4" Feeder	331.78	37.61
23 51 16 00-0438	EA	3" to 4" Polypropylene Flue/Vent Non-Return Valve	351.95	18.93
23 51 16 00-0439	EA	4" to 4" Polypropylene Flue/Vent Non-Return Valve	407.94	19.66
23 51 16 00-0440		**Polypropylene Flue/Vent Condensate Management** *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0441	EA	2" Polypropylene Flue/Vent Horizontal Drain Tee	129.19	26.50
23 51 16 00-0442	EA	3" Polypropylene Flue/Vent Horizontal Drain Tee	157.01	27.90
23 51 16 00-0443	EA	4" Polypropylene Flue/Vent Horizontal Drain Tee	180.48	28.91
23 51 16 00-0444	EA	5" Polypropylene Flue/Vent Horizontal Drain Tee	206.54	30.09
23 51 16 00-0445	EA	4" Polypropylene Flue/Vent Horizontal Drain Fittings	229.87	28.91
23 51 16 00-0446	EA	5" Polypropylene Flue/Vent Horizontal Drain Fittings	253.81	30.09
23 51 16 00-0447	EA	2" Polypropylene Flue/Vent Tee Cap	75.81	8.84
23 51 16 00-0448	EA	3" Polypropylene Flue/Vent Tee Cap	97.76	9.29
23 51 16 00-0449	EA	4" Polypropylene Flue/Vent Tee Cap	116.49	9.64
23 51 16 00-0450	EA	5" Polypropylene Flue/Vent Tee Cap	152.68	10.03
23 51 16 00-0451	EA	2" Polypropylene Flue/Vent Tee Cap With Drain	144.99	26.50
23 51 16 00-0452	EA	3" Polypropylene Flue/Vent Tee Cap With Drain	178.91	27.90
23 51 16 00-0453	EA	4" Polypropylene Flue/Vent Tee Cap With Drain	207.65	28.91
23 51 16 00-0454	EA	5" Polypropylene Flue/Vent Tee Cap With Drain	251.21	30.09
23 51 16 00-0455		**Polypropylene Flue/Vent Terminations** *(23 51 16 00-0372)*		
23 51 16 00-0456	EA	2" Polypropylene-UV Black Flue/Vent Chimney Cover	192.00	17.66
23 51 16 00-0457	EA	3" Polypropylene-UV Black Flue/Vent Chimney Cover	168.75	18.60
23 51 16 00-0458	EA	4" Polypropylene-UV Black Flue/Vent Chimney Cover	212.02	19.27
23 51 16 00-0459	EA	3" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe	437.47	18.60
23 51 16 00-0460	EA	4" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe	467.24	19.27
23 51 16 00-0461	EA	5" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe	545.95	20.06
23 51 16 00-0462	EA	2"/4" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	111.85	17.66
23 51 16 00-0463	EA	2"/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	118.62	17.66
23 51 16 00-0464	EA	2"/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	125.39	17.66
23 51 16 00-0465	EA	2"/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	132.16	17.66
23 51 16 00-0466	EA	3"/4" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	120.96	18.60
23 51 16 00-0467	EA	3"/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	127.73	18.60
23 51 16 00-0468	EA	3"/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	134.50	18.60
23 51 16 00-0469	EA	3"/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	141.27	18.60
23 51 16 00-0470	EA	4"/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	136.19	19.27
23 51 16 00-0471	EA	4"/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	142.96	19.27
23 51 16 00-0472	EA	4"/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	149.73	19.27
23 51 16 00-0473	EA	2" Polypropylene-UV Black Flue/Vent Low Profile Wall Termination	118.55	17.66
23 51 16 00-0474	EA	3" Polypropylene-UV Black Flue/Vent Low Profile Wall Termination	152.77	18.60
23 51 16 00-0475	EA	2" Polypropylene-UV Black Flue/Vent Termination Tee	136.53	26.50
23 51 16 00-0476	EA	3" Polypropylene-UV Black Flue/Vent Termination Tee	181.29	27.90
23 51 16 00-0477	EA	4" Polypropylene-UV Black Flue/Vent Termination Tee	215.22	28.91
23 51 16 00-0478	EA	5" Polypropylene-UV Black Flue/Vent Termination Tee	237.51	30.09
23 51 16 00-0479	EA	2" x 20" Polypropylene-UV Black Flue/Vent End Pipe	47.31	15.30
23 51 16 00-0480	EA	2" x 39" Polypropylene-UV Black Flue/Vent End Pipe	56.90	17.01
23 51 16 00-0481	EA	3" x 20" Polypropylene-UV Black Flue/Vent End Pipe	57.11	17.55
23 51 16 00-0482	EA	3" x 39" Polypropylene-UV Black Flue/Vent End Pipe	71.90	19.49
23 51 16 00-0483	EA	4" x 20" Polypropylene-UV Black Flue/Vent End Pipe	86.94	23.20
23 51 16 00-0484	EA	5" x 20" Polypropylene-UV Black Flue/Vent End Pipe	119.50	34.24
23 51 16 00-0485	EA	5" x 39" Polypropylene-UV Black Flue/Vent End Pipe	145.61	38.06
23 51 16 00-0486	EA	2" x 24" Polypropylene-UV Black Flue/Vent Vent Length	52.74	15.30
23 51 16 00-0487	EA	3" x 24" Polypropylene-UV Black Flue/Vent Vent Length	68.36	17.55
23 51 16 00-0488	EA	4" x 24" Polypropylene-UV Black Flue/Vent Vent Length	113.26	23.20
23 51 16 00-0489	EA	2" Polypropylene-UV Black Flue/Vent 45 Degree Elbow	57.81	17.66
23 51 16 00-0490	EA	3" Polypropylene-UV Black Flue/Vent 45 Degree Elbow	68.34	18.60
23 51 16 00-0491	EA	4" Polypropylene-UV Black Flue/Vent 45 Degree Elbow	86.39	19.27
23 51 16 00-0492	EA	2" Polypropylene-UV Black Flue/Vent 87 Degree Elbow	56.79	17.66
23 51 16 00-0493	EA	3" Polypropylene-UV Black Flue/Vent 87 Degree Elbow	67.66	18.60
23 51 16 00-0494	EA	4" Polypropylene-UV Black Flue/Vent 87 Degree Elbow	85.20	19.27
23 51 16 00-0495	EA	2" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent	37.69	8.84
23 51 16 00-0496	EA	3" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent	44.17	9.29

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0497	EA	4" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent	49.68	9.64
23 51 16 00-0498	EA	3" Stainless Steel Bird Screen For Polypropylene Flue/Vent	99.63	9.29
23 51 16 00-0499	EA	5" Stainless Steel Bird Screen For Polypropylene Flue/Vent	114.65	10.03
23 51 16 00-0500		**Polypropylene Flue/Vent Accessories** *(23 51 16 00-0372)*		
23 51 16 00-0501	EA	2" Spacer For Polypropylene Flue/Vent	19.23	4.42
23 51 16 00-0502	EA	3" Spacer For Polypropylene Flue/Vent	18.20	4.65
23 51 16 00-0503	EA	4" Spacer For Polypropylene Flue/Vent	18.74	4.82
23 51 16 00-0504	EA	5" Spacer For Polypropylene Flue/Vent	30.25	5.01
23 51 16 00-0505	EA	2" Flue Clamp For Polypropylene Flue/Vent	36.75	6.63
23 51 16 00-0506	EA	3" Flue Clamp For Polypropylene Flue/Vent	43.38	6.97
23 51 16 00-0507	EA	4" Flue Clamp For Polypropylene Flue/Vent	50.55	7.23
23 51 16 00-0508	EA	2" Support Clamp For Polypropylene Flue/Vent	34.86	6.63
23 51 16 00-0509	EA	4" Support Clamp For Polypropylene Flue/Vent	34.61	7.23
23 51 16 00-0510	EA	5" Support Clamp For Polypropylene Flue/Vent	42.53	7.52
23 51 16 00-0511	EA	3" Plastic Support Clamp For Polypropylene Flue/Vent	26.10	6.97
23 51 16 00-0512	EA	2" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent	50.98	17.66
23 51 16 00-0513	EA	3" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent	56.45	18.60
23 51 16 00-0514	EA	4" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent	60.98	19.27
23 51 16 00-0515	EA	5" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent	68.49	20.06
23 51 16 00-0516	EA	2" Single Wall EDPM Gasket For Polypropylene Flue/Vent	4.35	
23 51 16 00-0517	EA	3" Single Wall EDPM Gasket For Polypropylene Flue/Vent	4.86	
23 51 16 00-0518	EA	4" Single Wall EDPM Gasket For Polypropylene Flue/Vent	6.58	
23 51 16 00-0519	EA	5" Single Wall EDPM Gasket For Polypropylene Flue/Vent	10.87	
23 51 16 00-0520	EA	2" Connector Ring For Polypropylene Flue/Vent	15.71	4.42
23 51 16 00-0521	EA	3" Connector Ring For Polypropylene Flue/Vent	17.87	4.65
23 51 16 00-0522	EA	4" Connector Ring For Polypropylene Flue/Vent	19.30	4.82
23 51 16 00-0523	EA	5" Connector Ring For Polypropylene Flue/Vent	21.42	5.01
23 51 16 00-0524	EA	2"/4" Polypropylene Flue/Vent Air Intake, White	82.60	8.84
23 51 16 00-0525	EA	3"/5" Polypropylene Flue/Vent Air Intake, White	84.62	9.29
23 51 16 00-0526	EA	4"/6" Polypropylene Flue/Vent Air Intake, White	62.11	9.64
23 51 16 00-0527	EA	2" Base Support For Polypropylene Flue/Vent	72.11	6.63
23 51 16 00-0528	EA	3" Base Support For Polypropylene Flue/Vent	74.33	6.97
23 51 16 00-0529	EA	4" Base Support For Polypropylene Flue/Vent	100.38	7.23
23 51 16 00-0530	EA	5" Base Support For Polypropylene Flue/Vent	171.45	7.52
23 51 16 00-0531		**Polypropylene Flue/Vent Flex Pipe** *(23 51 16 00-0372)*		
23 51 16 00-0532	LF	2", Up To 50', Polypropylene Flue/Vent Flex Pipe	12.91	1.55
23 51 16 00-0533	LF	2", > 50', Polypropylene Flue/Vent Flex Pipe	11.11	1.55
23 51 16 00-0534	LF	3", Up To 50', Polypropylene Flue/Vent Flex Pipe	15.88	1.83
23 51 16 00-0535	LF	3", > 50', Polypropylene Flue/Vent Flex Pipe	13.62	1.83
23 51 16 00-0536	LF	4", Up To 50', Polypropylene Flue/Vent Flex Pipe	23.02	2.26
23 51 16 00-0537	LF	4", > 50', Polypropylene Flue/Vent Flex Pipe	19.54	2.26
23 51 16 00-0538		**Polypropylene Flue/Vent Couplers** *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0539	EA	2" Polypropylene Flue/Vent Coupler, Single Wall to Flex	89.01	17.66
23 51 16 00-0540	EA	2" Polypropylene Flue/Vent Coupler, Flex to Single Wall	100.32	17.66
23 51 16 00-0541	EA	3" Polypropylene Flue/Vent Coupler, Flex to Single Wall	209.30	18.60
23 51 16 00-0542	EA	4" Polypropylene Flue/Vent Coupler, Flex to Single Wall	386.65	19.27
23 51 16 00-0543	EA	2" Polypropylene Flue/Vent Coupler, Flex to Flex	103.65	17.66
23 51 16 00-0544	EA	3" Polypropylene Flue/Vent Coupler, Flex to Flex	250.59	18.60
23 51 16 00-0545	EA	4" Polypropylene Flue/Vent Coupler, Flex to Flex	657.41	19.27
23 51 16 00-0546		**Polypropylene Flue/Vent Flex End Terminations** *(23 51 16 00-0372)*		
23 51 16 00-0547	EA	2" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination	118.65	17.66
23 51 16 00-0548	EA	3" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination	108.97	18.60
23 51 16 00-0549	EA	4" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination	135.82	19.27
23 51 16 00-0550		**Aluminum Flue/Vent Fittings** *(23 51 16)*		
23 51 16 00-0551		**Aluminum Vent Top Caps** *(23 51 16 00-0550)*		
23 51 16 00-0552	EA	3" Aluminum Vent Cap (Star-Kap® 3-SK)	113.45	17.51
23 51 16 00-0553	EA	4" Aluminum Vent Cap (Star-Kap® 4-SK)	120.75	17.16
23 51 16 00-0554	EA	5" Aluminum Vent Cap (Star-Kap® 5-SK)	131.15	17.98
23 51 16 00-0555	EA	6" Aluminum Vent Cap (Star-Kap® 6-SK)	185.12	18.81
23 51 16 00-0556	EA	8" Aluminum Vent Cap (Star-Kap® 8-SK)	207.11	20.92
23 51 16 00-0557	EA	10" Aluminum Vent Cap (Star-Kap® 10-SK)	604.22	22.09
23 51 16 00-0558	EA	12" Aluminum Vent Cap (Star-Kap® 12-SK)	618.95	23.50

23 52 Heating Boilers *(23 50)*

23 52 13 Electric Boilers *(23 52)*

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 13 00-0001		**Packaged Electric Steam Boiler** *(23 52 13)* Note: Includes burners, standard controls and safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.) Rated by KW and MBH gross rated output.		
23 52 13 00-0002	EA	12 KW, 42 MBH Electric Steam Boiler With Packaged Standard Controls	8,641.16	647.09
23 52 13 00-0003	EA	24 KW, 84 MBH Electric Steam Boiler With Packaged Standard Controls	9,328.45	754.94
23 52 13 00-0004	EA	36 KW, 126 MBH Electric Steam Boiler With Packaged Standard Controls	10,016.16	808.87
23 52 13 00-0005	EA	48 KW, 168 MBH Electric Steam Boiler With Packaged Standard Controls	11,154.61	862.79
23 52 13 00-0006	EA	60 KW, 210 MBH Electric Steam Boiler With Packaged Standard Controls	12,265.51	916.72
23 52 13 00-0007	EA	80 KW, 280 MBH Electric Steam Boiler With Packaged Standard Controls	14,321.45	1,024.57
23 52 13 00-0008	EA	100 KW, 350 MBH Electric Steam Boiler With Packaged Standard Controls	16,377.48	1,132.42
23 52 13 00-0009	EA	120 KW, 420 MBH Electric Steam Boiler With Packaged Standard Controls	17,038.45	1,186.34
23 52 13 00-0010	EA	140 KW, 490 MBH Electric Steam Boiler With Packaged Standard Controls	17,932.90	1,240.27
23 52 13 00-0011	EA	160 KW, 560 MBH Electric Steam Boiler With Packaged Standard Controls	23,471.74	1,348.11
23 52 13 00-0012	EA	180 KW, 630 MBH Electric Steam Boiler With Packaged Standard Controls	24,463.79	1,402.03
23 52 13 00-0013	EA	200 KW, 700 MBH Electric Steam Boiler With Packaged Standard Controls	25,845.91	1,581.34
23 52 13 00-0014	EA	220 KW, 770 MBH Electric Steam Boiler With Packaged Standard Controls	26,921.75	1,698.48
23 52 13 00-0015	EA	240 KW, 840 MBH Electric Steam Boiler With Packaged Standard Controls	29,045.67	1,815.61
23 52 13 00-0016	EA	260 KW, 910 MBH Electric Steam Boiler With Packaged Standard Controls	31,283.38	1,991.32
23 52 13 00-0017	EA	280 KW, 980 MBH Electric Steam Boiler With Packaged Standard Controls	33,264.61	2,049.89
23 52 13 00-0018	EA	300 KW, 1,050 MBH Electric Steam Boiler With Packaged Standard Controls	34,880.26	2,108.46
23 52 13 00-0019	EA	320 KW, 1,120 MBH Electric Steam Boiler With Packaged Standard Controls	37,060.42	2,167.03
23 52 13 00-0020	EA	360 KW, 1,260 MBH Electric Steam Boiler With Packaged Standard Controls	39,241.17	2,225.60
23 52 13 00-0021	EA	400 KW, 1,400 MBH Electric Steam Boiler With Packaged Standard Controls	41,988.25	2,342.72
23 52 13 00-0022	EA	460 KW, 1,610 MBH Electric Steam Boiler With Packaged Standard Controls	44,817.32	2,459.86
23 52 13 00-0023	EA	500 KW, 1,750 MBH Electric Steam Boiler With Packaged Standard Controls	47,587.81	2,518.43
23 52 13 00-0024	EA	600 KW, 2,100 MBH Electric Steam Boiler With Packaged Standard Controls	52,746.05	2,577.00
23 52 13 00-0025	EA	700 KW, 2,450 MBH Electric Steam Boiler With Packaged Standard Controls	56,808.09	2,694.14
23 52 13 00-0026	EA	756 KW, 2,646 MBH Electric Steam Boiler With Packaged Standard Controls	58,181.63	2,811.27
23 52 13 00-0027	EA	828 KW, 2,898 MBH Electric Steam Boiler With Packaged Standard Controls	63,976.19	2,986.98
23 52 13 00-0028	EA	936 KW, 3,276 MBH Electric Steam Boiler With Packaged Standard Controls	66,054.44	3,162.69
23 52 13 00-0029	EA	1,008 KW, 3,528 MBH Electric Steam Boiler With Packaged Standard Controls	68,249.82	3,338.38
23 52 13 00-0030	EA	1,116 KW, 3,906 MBH Electric Steam Boiler With Packaged Standard Controls	72,493.25	3,514.09
23 52 13 00-0031	EA	1,224 KW, 4,284 MBH Electric Steam Boiler With Packaged Standard Controls	74,378.80	3,631.23
23 52 13 00-0032	EA	1,368 KW, 4,788 MBH Electric Steam Boiler With Packaged Standard Controls	76,853.81	3,865.50
23 52 13 00-0033	EA	1,440 KW, 5,040 MBH Electric Steam Boiler With Packaged Standard Controls	79,483.75	4,099.77
23 52 13 00-0034	EA	1,512 KW, 5,292 MBH Electric Steam Boiler With Packaged Standard Controls	86,829.44	4,334.04
23 52 13 00-0035	EA	1,620 KW, 5,670 MBH Electric Steam Boiler With Packaged Standard Controls	91,541.41	4,568.32
23 52 13 00-0036		**Packaged Electric Hot Water Boiler** *(23 52 13)* Note: Flush jacketed steel shell. Includes burners, and safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.). Rated by KW and MBH gross rated output.		
23 52 13 00-0037	EA	9 KW, 31 MBH, Electric Hot Boiler With Packaged Standard Controls	7,584.06	593.17
23 52 13 00-0038	EA	12 KW, 41 MBH, Electric Hot Boiler With Packaged Standard Controls	7,990.82	647.09
23 52 13 00-0039	EA	18 KW, 61 MBH, Electric Hot Boiler With Packaged Standard Controls	8,397.58	701.02
23 52 13 00-0040	EA	24 KW, 82 MBH, Electric Hot Boiler With Packaged Standard Controls	8,791.19	754.94
23 52 13 00-0041	EA	36 KW, 123 MBH, Electric Hot Boiler With Packaged Standard Controls	9,244.78	808.87
23 52 13 00-0042	EA	48 KW, 164 MBH, Electric Hot Boiler With Packaged Standard Controls	9,580.36	862.79
23 52 13 00-0043	EA	60 KW, 205 MBH Electric Hot Boiler With Packaged Standard Controls	9,987.12	916.72
23 52 13 00-0044	EA	72 KW, 246 MBH Electric Hot Boiler With Packaged Standard Controls	10,597.26	970.64
23 52 13 00-0045	EA	84 KW, 287 MBH Electric Hot Boiler With Packaged Standard Controls	11,128.90	1,024.57
23 52 13 00-0046	EA	90 KW, 307 MBH Electric Hot Boiler With Packaged Standard Controls	11,454.31	1,078.49
23 52 13 00-0047	EA	105 KW, 358 MBH Electric Hot Boiler With Packaged Standard Controls	12,299.78	1,132.42
23 52 13 00-0048	EA	120 KW, 409 MBH Electric Hot Boiler With Packaged Standard Controls	13,095.85	1,186.34
23 52 13 00-0049	EA	135 KW, 461 MBH Electric Hot Boiler With Packaged Standard Controls	14,535.38	1,240.27
23 52 13 00-0050	EA	150 KW, 512 MBH Electric Hot Boiler With Packaged Standard Controls	15,473.08	1,294.19
23 52 13 00-0051	EA	165 KW, 563 MBH Electric Hot Boiler With Packaged Standard Controls	16,262.54	1,348.11
23 52 13 00-0052	EA	180 KW, 614 MBH Electric Hot Boiler With Packaged Standard Controls	17,658.77	1,402.03
23 52 13 00-0053	EA	195 KW, 665 MBH Electric Hot Boiler With Packaged Standard Controls	19,445.95	1,581.34
23 52 13 00-0054	EA	225 KW, 768 MBH Electric Hot Boiler With Packaged Standard Controls	20,905.40	1,698.48
23 52 13 00-0055	EA	240 KW, 819 MBH Electric Hot Boiler With Packaged Standard Controls	22,492.14	1,815.61
23 52 13 00-0056	EA	270 KW, 921 MBH Electric Hot Boiler With Packaged Standard Controls	24,068.72	1,991.32
23 52 13 00-0057	EA	300 KW, 1,024 MBH Electric Hot Boiler With Packaged Standard Controls	25,655.48	2,108.46
23 52 13 00-0058	EA	330 KW, 1,126 MBH Electric Hot Boiler With Packaged Standard Controls	27,133.20	2,225.60
23 52 13 00-0059	EA	360 KW, 1,228 MBH Electric Hot Boiler With Packaged Standard Controls	29,196.60	2,284.15
23 52 13 00-0060	EA	390 KW, 1,331 MBH Electric Hot Boiler With Packaged Standard Controls	31,114.04	2,342.72
23 52 13 00-0061	EA	420 KW, 1,433 MBH Electric Hot Boiler With Packaged Standard Controls	32,950.11	2,459.86
23 52 13 00-0062	EA	450 KW, 1,535 MBH Electric Hot Boiler With Packaged Standard Controls	34,878.32	2,459.86
23 52 13 00-0063	EA	504 KW, 1,720 MBH Electric Hot Boiler With Packaged Standard Controls	38,212.46	2,518.43
23 52 13 00-0064	EA	612 KW, 2,088 MBH Electric Hot Boiler With Packaged Standard Controls	39,986.86	2,577.00
23 52 13 00-0065	EA	684 KW, 2,334 MBH Electric Hot Boiler With Packaged Standard Controls	42,216.78	2,694.14
23 52 13 00-0066	EA	720 KW, 2,457 MBH Electric Hot Boiler With Packaged Standard Controls	43,910.10	2,752.70
23 52 13 00-0067	EA	750 KW, 2,559 MBH Electric Hot Boiler With Packaged Standard Controls	45,609.41	2,811.27
23 52 13 00-0068	EA	810 KW, 2,764 MBH Electric Hot Boiler With Packaged Standard Controls	46,879.33	2,986.98
23 52 13 00-0069	EA	900 KW, 3,071 MBH Electric Hot Boiler With Packaged Standard Controls	49,179.61	3,162.69
23 52 13 00-0070	EA	1,020 KW, 3,480 MBH Electric Hot Boiler With Packaged Standard Controls	57,247.25	3,338.38
23 52 13 00-0071	EA	1,110 KW, 3,787 MBH Electric Hot Boiler With Packaged Standard Controls	62,813.85	3,514.09
23 52 13 00-0072	EA	1,200 KW, 4,094 MBH Electric Hot Boiler With Packaged Standard Controls	65,257.93	3,631.23
23 52 13 00-0073	EA	1350 KW, 4,606 MBH Electric Hot Boiler With Packaged Standard Controls	67,975.88	3,865.50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 13 00-0074	EA	1,440 KW, 4,913 MBH Electric Hot Boiler With Packaged Standard Controls	70,693.83	4,099.77
23 52 13 00-0075	EA	1,560 KW, 5,323 MBH Electric Hot Boiler With Packaged Standard Controls	78,366.93	4,334.04
23 52 13 00-0076	EA	1,680 KW, 5,732 MBH Electric Hot Boiler With Packaged Standard Controls	83,309.83	4,568.32
23 52 13 00-0077	EA	1,740 KW, 5,937 MBH Electric Hot Boiler With Packaged Standard Controls	85,417.64	4,685.46
23 52 13 00-0078	EA	1,800 KW, 6,142 MBH Electric Hot Boiler With Packaged Standard Controls	87,525.46	4,802.59
23 52 13 00-0079	EA	1,980 KW, 6,756 MBH Electric Hot Boiler With Packaged Standard Controls	87,994.00	4,978.30
23 52 13 00-0080	EA	2,100 KW, 7,165 MBH Electric Hot Boiler With Packaged Standard Controls	94,477.71	5,095.43
23 52 13 00-0081	EA	2,220 KW, 7,575 MBH Electric Hot Boiler With Packaged Standard Controls	98,810.47	5,271.13
23 52 13 00-0082	EA	2,600 KW, 8,871 MBH Electric Hot Boiler With Packaged Standard Controls	106,083.24	5,622.55
23 52 13 00-0083	EA	2,960 KW, 10,100 MBH Electric Hot Boiler With Packaged Standard Controls	114,308.54	6,208.23
23 52 13 00-0084	EA	3,240 KW, 11,055 MBH Electric Hot Boiler With Packaged Standard Controls	123,760.55	6,911.04
23 52 13 00-0085	EA	3,360 KW, 11,464 MBH Electric Hot Boiler With Packaged Standard Controls	131,033.32	7,613.87

23 52 16 Condensing Boilers *(23 52)*

23 52 16 13 Stainless-Steel Condensing Boilers *(23 52 16)*

23 52 16 13-0001 Hamilton Evo Series Stainless Steel Condensing Boilers *(23 52 16 13)*

Note: Includes circulating pump, mounting rack, disconnect panel, plumbing and gas manifold, manual reset high limit and LWCO (Cal Code). Rated by gross rated output.

23 52 16 13-0002	EA	75 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW79)	12,442.76	431.40
23 52 16 13-0003	EA	127 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW129)	13,150.76	574.62
23 52 16 13-0004	EA	168 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW179)	14,023.01	646.98
23 52 16 13-0005	EA	187 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW199.1)	14,865.30	683.01
23 52 16 13-0006	EA	281 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW299)	19,625.69	790.86
23 52 16 13-0007	EA	374 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW399)	22,718.75	862.69
23 52 16 13-0008	EA	589 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW599)	30,698.05	1,006.45
23 52 16 13-0009	EA	785 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW798) Note: Includes vent manifold.	42,684.97	1,150.32
23 52 16 13-0010	EA	980 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW998) Note: Includes vent manifold.	52,206.52	1,258.16
23 52 16 13-0011	EA	1,425 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW1499)	75,389.20	1,473.76
23 52 16 13-0012	EA	1,900 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW1999)	83,081.01	1,581.61

23 52 16 13-0013 Buderus SB615 Stainless Steel Condensing Boilers *(23 52 16 13)*

Note: Includes Riello burners. Rated by gross rated output.

23 52 16 13-0014	EA	484 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/145)	38,763.18	934.62
23 52 16 13-0015	EA	612 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/185)	40,624.22	1,006.45
23 52 16 13-0016	EA	791 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/240)	45,325.62	1,150.32
23 52 16 13-0017	EA	1,022 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/310)	49,047.70	1,294.08
23 52 16 13-0018	EA	1,317 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/400)	54,490.07	1,401.93
23 52 16 13-0019	EA	1,459 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/510)	62,321.75	1,473.76
23 52 16 13-0020	EA	2,104 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/640)	74,666.92	1,581.61

23 52 16 13-0021 Buderus SB735 Stainless Steel Condensing Boilers *(23 52 16 13)*

Note: Includes Riello burners. Rated by gross rated output.

23 52 16 13-0022	EA	2,650 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/790)	77,666.14	1,725.37
23 52 16 13-0023	EA	3,251 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/970)	89,963.41	1,797.31
23 52 16 13-0024	EA	4,079 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/1200)	104,277.40	1,869.24

23 52 16 13-0025 AERCO Benchmark Stainless-Steel Condensing Boilers *(23 52 16 13)*

Note: Rated by gross rated output.

23 52 16 13-0026	EA	1,500 MBH Water, 120 Volt, 1 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK1.5LN) Note: Includes gas PRV and pump delay relay.	49,682.64	1,473.76
23 52 16 13-0027	EA	2,000 MBH Water, 120 Volt, 1 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK2.0LN) Note: Includes gas PRV and pump delay relay.	58,982.11	1,581.61
23 52 16 13-0028	EA	3,000 MBH Water, 220 Volt, 1 Phase, 230 Volt, 3 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK3000) Note: Includes gas PRV and pump delay relay.	84,882.32	1,761.39
23 52 16 13-0029	EA	3,000 MBH Water, 480 Volt, 3 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK3000) Note: Includes gas PRV and pump delay relay.	90,457.08	1,761.39

23 52 16 13-0030 Laars Neotherm Stainless Steel Condensing Boiler *(23 52 16 13)*

Note: Compliant with SCAQMD. Rated by gross rated input.

23 52 16 13-0031	EA	80 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH080)	8,694.17	467.31
23 52 16 13-0032	EA	105 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH105)	9,923.14	539.24
23 52 16 13-0033	EA	150 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH150)	11,107.44	646.98
23 52 16 13-0034	EA	210 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH210)	12,370.66	718.92
23 52 16 13-0035	EA	285 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH285)	15,592.07	790.86
23 52 16 13-0036	EA	399 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH399)	20,413.88	862.69
23 52 16 13-0037	EA	500 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH500)	24,551.19	934.62
23 52 16 13-0038	EA	600 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH600)	27,262.46	1,006.45
23 52 16 13-0039	EA	750 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH750)	29,617.21	1,078.39
23 52 16 13-0040	EA	850 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH850)	32,187.67	1,222.14
23 52 16 13-0041	EA	1,000 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH1000)	45,918.61	1,294.08
23 52 16 13-0042	EA	1,700 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH1700)	61,098.62	1,509.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 13-0043		Lochinvar Knight Stainless Steel Condensing Boilers *(23 52 16 13)*		
		Note: Rated by gross rated output.		
23 52 16 13-0044	EA	184 MBH 95% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight KBN211)	12,052.46	646.98
23 52 16 13-0045	EA	264 MBH 95% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight KHB285N)	15,618.19	718.92
23 52 16 13-0046		Lochinvar Knight XL Stainless Steel Condensing Boilers *(23 52 16 13)*		
		Note: Rated by gross rated output.		
23 52 16 13-0047	EA	387 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX0400N)	17,735.06	826.77
23 52 16 13-0048	EA	485 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX0500N)	22,143.12	862.69
23 52 16 13-0049	EA	631 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX0650N)	27,199.44	934.62
23 52 16 13-0050	EA	776 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX0800N)	32,646.27	970.54
23 52 16 13-0051	EA	969 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX1000N)	39,949.38	1,042.47
23 52 16 13-0052		Lochinvar Crest Stainless Steel Condensing Boilers *(23 52 16 13)*		
		Note: Rated by gross rated output.		
23 52 16 13-0053	EA	1,203 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN1251)	50,654.05	1,221.93
23 52 16 13-0054	EA	1,443 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN1501)	52,252.69	1,401.93
23 52 16 13-0055	EA	1,684 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN1751)	57,292.61	1,491.55
23 52 16 13-0056	EA	1,923 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN2001)	62,332.52	1,581.61
23 52 16 13-0057	EA	2,400 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN2501)	73,177.07	1,653.54
23 52 16 13-0058	EA	2,883 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN3001)	81,097.83	1,725.37
23 52 16 13-0059	EA	3,364 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN3501)	99,716.60	1,797.31
23 52 16 13-0060	EA	3,843 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN4001)	110,204.35	1,869.14
23 52 16 13-0061	EA	4,804 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN5001)	135,290.67	1,940.96
23 52 16 13-0062		Patterson Kelley Stainless Steel Condensing Boilers *(23 52 16 13)*		
23 52 16 13-0063		Patterson Kelley Stainless Steel Condensing Boilers, SOLIS® Series *(23 52 16 13-0062)*		
23 52 16 13-0064	EA	1,500 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Patterson-Kelley SOLIS® SL-1500)	47,201.46	1,473.76
23 52 16 13-0065	EA	3,000 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Patterson-Kelley SOLIS® SL-3000)	72,635.67	1,761.39
23 52 16 13-0066		Patterson Kelley Stainless Steel Condensing Boilers, SONIC® Series *(23 52 16 13-0062)*		
23 52 16 13-0067	EA	650 MBH 97% Efficient, Gas Fired, Dual Fuel, Stainless Steel Condensing Boiler (Patterson-Kelley SONIC® SC-650 SCD-650)	24,566.39	1,042.47
23 52 16 13-0068	EA	1,000 MBH 97% Efficient, Gas Fired, Dual Fuel, Stainless Steel Condensing Boiler (Patterson-Kelley SONIC® SC-1000 SCD-1000)	29,530.79	1,294.08
23 52 16 13-0069	EA	2,000 MBH 97% Efficient, Gas Fired, Dual Fuel, Stainless Steel Condensing Boiler (Patterson-Kelley SONIC® SC-2000)	50,168.16	1,581.61
23 52 16 13-0070	EA	4,000 MBH 97% Efficient, Gas Fired, Dual Fuel, Stainless Steel Condensing Boiler (Patterson-Kelley SONIC® SC-4000)	86,272.78	1,869.24
23 52 16 13-0071		Patterson Kelley Stainless Steel Condensing Boilers, STORM® Series *(23 52 16 13-0062)*		
23 52 16 13-0072	EA	1,250 MBH 97% Efficient, Gas Fired, Stainless Steel Condensing Boiler (Patterson-Kelley STORM® ST1250)	36,011.69	1,365.91
23 52 16 13-0073	EA	2,000 MBH 97% Efficient, Gas Fired, Stainless Steel Condensing Boiler (Patterson-Kelley STORM® ST2000)	59,370.19	1,581.61
23 52 16 13-0074	EA	4,000 MBH 97% Efficient, Gas Fired, Stainless Steel Condensing Boiler (Patterson-Kelley STORM® ST4000)	88,230.66	1,869.24
23 52 16 16		**Aluminum Condensing Boilers** *(23 52 16)*		
23 52 16 16-0001		Weil McLain Aluminum Condensing Boilers *(23 52 16 16)*		
		Note: Rated by gross rated output.		
23 52 16 16-0002	EA	80 MBH Water, Gas Fired, Condensing Boiler (Weil McLain Ultra 80)	8,040.14	467.31
		Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.		
23 52 16 16-0003	EA	105 MBH Water, Gas Fired, Condensing Boiler (Weil McLain Ultra 105)	8,860.22	539.24
		Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.		
23 52 16 16-0004	EA	155 MBH Water, Gas Fired, Condensing Boiler (Weil McLain Ultra 155)	9,989.62	646.98
		Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.		
23 52 16 16-0005	EA	230 MBH Water, Gas Fired, Condensing Boiler (Weil McLain Ultra 230)	11,212.62	718.92
		Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.		
23 52 16 16-0006	EA	310 MBH Water, Gas Fired, Condensing Boiler (Weil McLain Ultra 310)	14,558.06	826.77
		Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.		
23 52 16 16-0007		Patterson Kelley Mach Series Aluminum Condensing Boilers *(23 52 16 16)*		
		Note: Rated by gross rated output.		
23 52 16 16-0008	EA	300 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach CM300)	19,846.19	790.86
23 52 16 16-0009	EA	450 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C450)	22,330.74	898.71

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 16-0010	EA	750 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C750)	25,277.26	1,078.39
23 52 16 16-0011	EA	900 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C900)	37,506.99	1,222.14
23 52 16 16-0012	EA	1,050 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C1050)	39,178.18	1,294.08
23 52 16 16-0013	EA	1,500 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C1500)	60,866.35	1,473.76
23 52 16 16-0014	EA	2,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C2000)	65,912.59	1,581.61
23 52 16 16-0015	EA	2,500 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C2500)	81,061.15	1,725.37
23 52 16 16-0016	EA	3,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C3000)	94,151.25	1,761.39
23 52 16 16-0017	EA	4,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C4000)	107,159.49	1,869.24
23 52 16 16-0018		**Buderus GB142 Wall Hung Aluminum Condensing Boilers** *(23 52 16 16)* Note: Includes standard controls. Rated by gross rated output.		
23 52 16 16-0019	EA	75 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/24) Note: Includes an aluminum heat exchanger and three speed circulating pump.	5,430.83	431.40
23 52 16 16-0020	EA	95 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/30) Note: Includes an aluminum heat exchanger and three speed circulating pump.	6,308.46	503.22
23 52 16 16-0021	EA	143 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/45) Note: Includes an aluminum heat exchanger and three speed circulating pump.	7,291.78	611.07
23 52 16 16-0022	EA	193 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/60) Note: Includes an aluminum heat exchanger and three speed circulating pump.	7,990.19	683.01
23 52 16 16-0023	EA	Optional Vertical Or Horizontal 3" Concentric Termination Kit For GB142 (Buderus 60L46)	337.09	107.85
23 52 16 16-0024	EA	Optional Stainless Steel Concentric Hood For GB142 (Buderus SJT3)	438.00	107.85
23 52 16 16-0025	EA	Optional GB Floor Stand For GB142 (Buderus 7098265)	923.56	107.85
23 52 16 16-0026		**Buderus GB162 Wall Hung Aluminum Condensing Boilers** *(23 52 16 16)* Note: Includes standard controls. Rated by gross rated output.		
23 52 16 16-0027	EA	290 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB162/80) Note: Includes an aluminum heat exchanger, connection pump module, low loss header, outdoor reset module, outdoor temperature sensor, and 1-1/2" unions.	9,043.28	790.86
23 52 16 16-0028	EA	333 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB162/100) Note: Includes an aluminum heat exchanger, connection pump module, low loss header, outdoor reset module, outdoor temperature sensor, and 1-1/2" unions.	11,067.96	826.77
23 52 16 16-0029	EA	580 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Two Boilers) (Buderus GB162/80-TL2) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	21,000.11	970.54
23 52 16 16-0030	EA	580 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Two Boilers) (Buderus GB162/80-TR2) Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	19,662.84	970.54
23 52 16 16-0031	EA	666 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Two Boilers) (Buderus GB162/100-TL2) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	25,049.48	1,042.47
23 52 16 16-0032	EA	666 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Two Boilers) (Buderus GB162/100-TR2) Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	23,712.20	1,042.47
23 52 16 16-0033	EA	870 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Three Boilers) (Buderus GB162/80-TL3) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	29,129.24	1,222.14
23 52 16 16-0034	EA	999 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Three Boilers) (Buderus GB162/100-TL3) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	35,095.46	1,294.08
23 52 16 16-0035	EA	1,160 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Four Boilers) (Buderus GB162/80-TL4) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	36,094.79	1,365.91
23 52 16 16-0036	EA	1,160 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Four Boilers) (Buderus GB162/80-TR4) Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	36,630.38	1,365.91
23 52 16 16-0037	EA	1,332 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Four Boilers) (Buderus GB162/100-TL4) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	43,870.00	1,401.93
23 52 16 16-0038	EA	1,332 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Four Boilers) (Buderus GB162/100-TR4) Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	44,405.58	1,401.93
23 52 16 16-0039	EA	EMS Control Module For Condensing Boiler (Buderus RC35)	758.73	107.85

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 16-0040		**Buderus GB312 Aluminum Condensing Boilers** *(23 52 16 16)* Note: Includes standard controls. Rated by gross rated output.		
23 52 16 16-0041	EA	305 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/90) Note: Includes an aluminum heat exchanger.	12,744.51	790.86
23 52 16 16-0042	EA	409 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/120) Note: Includes an aluminum heat exchanger.	14,824.69	862.69
23 52 16 16-0043	EA	544 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/160) Note: Includes an aluminum heat exchanger.	18,494.08	952.53
23 52 16 16-0044	EA	676 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/200) Note: Includes an aluminum heat exchanger.	21,226.77	1,042.47
23 52 16 16-0045	EA	810 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/240) Note: Includes an aluminum heat exchanger.	25,332.89	1,150.32
23 52 16 16-0046	EA	944 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/280) Note: Includes an aluminum heat exchanger.	27,965.57	1,258.16
23 52 16 16-0047	EA	Optional CSD-1 Kit Consisting Of High And Low Gas Pressure Switches For GB312 (Buderus 7747019985)	491.76	53.93
23 52 16 16-0048	EA	Optional L4006E1125 Manual Reset Aquastat For GB312 (Buderus L4006E1125)	268.73	53.93
23 52 16 16-0049	EA	Optional Hydrolevel 550 low Water Cut-Off For GB312 (Buderus 550)	381.34	53.93
23 52 16 16-0050	EA	Optional Condensate Neutralization Tank For GB312 (Buderus 63035899)	799.62	53.93
23 52 16 19		**Copper Water-Tube Condensing Boilers** *(23 52 16)*		
23 52 16 19-0001		Laars Rheos+ Copper Fin Tube Condensing Boilers *(23 52 16 19)* Note: Rated by gross rated output.		
23 52 16 19-0002	EA	1,200 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+)	45,409.79	1,365.91
23 52 16 19-0003	EA	1,600 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+)	51,203.25	1,509.78
23 52 16 19-0004	EA	2,000 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+)	56,037.03	1,581.61
23 52 16 19-0005	EA	2,400 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+)	60,476.55	1,653.54
23 52 16 23		**Cast Iron Condensing Boilers** *(23 52 16)*		
23 52 16 23-0001		Hydrotherm KN Cast Iron Condensing Boilers *(23 52 16 23)* Note: Rated by gross rated output.		
23 52 16 23-0002	EA	199 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-2)	15,966.96	683.01
23 52 16 23-0003	EA	399 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-4)	23,383.25	862.69
23 52 16 23-0004	EA	600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-6)	38,476.45	1,006.45
23 52 16 23-0005	EA	1,000 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-10)	50,506.88	1,294.08
23 52 16 23-0006	EA	1,600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-16)	67,346.66	1,509.78
23 52 16 23-0007	EA	1,999 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-20)	73,468.09	1,581.61
23 52 16 23-0008	EA	2,600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-26)	93,527.52	1,725.37
23 52 16 23-0009	EA	3,000 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-30)	102,238.82	1,761.39
23 52 23		**Cast-Iron Boilers** *(23 52)*		
23 52 23 00-0001		Weil-McLain Model 80 Cast Iron Boiler *(23 52 23)* Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.		
23 52 23 00-0002		Gas Fired Weil-McLain Model 80 Cast Iron Boiler *(23 52 23 00-0001)* Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0003	EA	209 MBH Steam, 242 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 380) Note: Includes field assembly of individual sections and testing.	17,934.11	3,595.86
23 52 23 00-0004	EA	297 MBH Steam, 344 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 480) Note: Includes field assembly of individual sections and testing.	19,571.18	3,835.58
23 52 23 00-0005	EA	386 MBH Steam, 448 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 580) Note: Includes field assembly of individual sections and testing.	21,359.77	4,075.30
23 52 23 00-0006	EA	476 MBH Steam, 551 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 680) Note: Includes field assembly of individual sections and testing.	23,025.47	4,315.03
23 52 23 00-0007	EA	565 MBH Steam, 655 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 780) Note: Includes field assembly of individual sections and testing.	24,566.37	4,554.75
23 52 23 00-0008	EA	654 MBH Steam, 758 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 880) Note: Includes field assembly of individual sections and testing.	26,663.14	4,794.47
23 52 23 00-0009	EA	743 MBH Steam, 862 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 980) Note: Includes field assembly of individual sections and testing.	28,291.42	5,034.20
23 52 23 00-0010	EA	833 MBH Steam, 965 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1080) Note: Includes field assembly of individual sections and testing.	29,591.17	5,273.92
23 52 23 00-0011	EA	922 MBH Steam, 1,069 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1180) Note: Includes field assembly of individual sections and testing.	30,886.25	5,513.65
23 52 23 00-0012	EA	1,018 MBH Steam, 1,172 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1280) Note: Includes field assembly of individual sections and testing.	32,376.39	5,753.37
23 52 23 00-0013		Gas Fired Package Weil-McLain Model 80 Cast Iron Boiler *(23 52 23 00-0001)*		
23 52 23 00-0014	EA	209 MBH Steam, 242 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 380) Note: Fire tested factory assembled package unit.	12,264.14	468.54
23 52 23 00-0015	EA	297 MBH Steam, 344 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 480) Note: Fire tested factory assembled package unit.	13,631.09	468.54
23 52 23 00-0016	EA	386 MBH Steam, 448 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 580) Note: Fire tested factory assembled package unit.	15,620.66	585.68

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0017	EA	476 MBH Steam, 551 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 680) Note: Fire tested factory assembled package unit.	17,014.47	585.68
23 52 23 00-0018	EA	565 MBH Steam, 655 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 780) Note: Fire tested factory assembled package unit.	18,756.68	702.82
23 52 23 00-0019	EA	654 MBH Steam, 758 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 880) Note: Fire tested factory assembled package unit.	20,600.01	702.82
23 52 23 00-0020	EA	743 MBH Steam, 862 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 980) Note: Fire tested factory assembled package unit.	22,427.03	819.95
23 52 23 00-0021	EA	833 MBH Steam, 965 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1080) Note: Fire tested factory assembled package unit.	23,926.09	937.09
23 52 23 00-0022	EA	922 MBH Steam, 1,069 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1180) Note: Fire tested factory assembled package unit.	24,953.77	937.09
23 52 23 00-0023	EA	1018 MBH Steam, 1172 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1280) Note: Fire tested factory assembled package unit.	26,640.85	1,054.23
23 52 23 00-0024		**Gas/Oil Fired Weil-McLain Model 80 Cast Iron Boiler** *(23 52 23 00-0001)* Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0025	EA	209 MBH Steam, 242 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 380) Note: Includes field assembly of individual sections and testing.	18,732.79	3,595.86
23 52 23 00-0026	EA	297 MBH Steam, 344 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	20,512.64	3,835.58
23 52 23 00-0027	EA	386 MBH Steam, 448 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	22,215.00	4,075.30
23 52 23 00-0028	EA	476 MBH Steam, 551 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	24,112.53	4,315.03
23 52 23 00-0029	EA	565 MBH Steam, 655 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	25,683.11	4,554.75
23 52 23 00-0030	EA	654 MBH Steam, 758 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	27,960.83	4,794.47
23 52 23 00-0031	EA	743 MBH Steam, 862 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	29,405.34	5,034.20
23 52 23 00-0032	EA	833 MBH Steam, 965 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	30,811.11	5,273.92
23 52 23 00-0033	EA	922 MBH Steam, 1069 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	32,107.60	5,513.65
23 52 23 00-0034	EA	1,018 MBH Steam, 1172 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	33,635.91	5,753.37
23 52 23 00-0035		**Gas/Oil Fired Package Weil-McLain Model 80 Cast Iron Boiler** *(23 52 23 00-0001)*		
23 52 23 00-0036	EA	209 MBH Steam, 242 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 380) Note: Fire tested factory assembled package cast iron unit.	13,062.82	468.54
23 52 23 00-0037	EA	297 MBH Steam, 344 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 480) Note: Fire tested factory assembled package cast iron unit.	14,572.55	468.54
23 52 23 00-0038	EA	386 MBH Steam, 448 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 580) Note: Fire tested factory assembled package cast iron unit.	16,475.89	585.68
23 52 23 00-0039	EA	476 MBH Steam, 551 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 680) Note: Fire tested factory assembled package cast iron unit.	18,101.53	585.68
23 52 23 00-0040	EA	565 MBH Steam, 655 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 780) Note: Fire tested factory assembled package cast iron unit.	19,873.42	702.82
23 52 23 00-0041	EA	654 MBH Steam, 758 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 880) Note: Fire tested factory assembled package cast iron unit.	21,897.70	702.82
23 52 23 00-0042	EA	743 MBH Steam, 862 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 980) Note: Fire tested factory assembled package cast iron unit.	23,540.95	819.95
23 52 23 00-0043	EA	833 MBH Steam, 965 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1080) Note: Fire tested factory assembled package cast iron unit.	25,146.02	937.09
23 52 23 00-0044	EA	922 MBH Steam, 1,069 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1180) Note: Fire tested factory assembled package cast iron unit.	26,175.12	937.09
23 52 23 00-0045	EA	1,018 MBH Steam, 1,172 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1280) Note: Fire tested factory assembled package cast iron unit.	27,900.36	1,054.23
23 52 23 00-0046		**Weil-McLain Model 88 Cast Iron Boiler** *(23 52 23)* Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.		
23 52 23 00-0047		**Gas Fired Weil-McLain Model 88 Cast Iron Boiler** *(23 52 23 00-0046)* Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0048	EA	629 MBH Steam, 730 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 488) Note: Includes field assembly of individual sections and testing.	28,945.61	5,393.78
23 52 23 00-0049	EA	845 MBH Steam, 979 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 588) Note: Includes field assembly of individual sections and testing.	31,907.62	5,723.40
23 52 23 00-0050	EA	1072 MBH Steam, 1229 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 688) Note: Includes field assembly of individual sections and testing.	35,562.39	6,053.02
23 52 23 00-0051	EA	1,311 MBH Steam, 1,478 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 788) Note: Includes field assembly of individual sections and testing.	38,788.32	6,382.64
23 52 23 00-0052	EA	1,543 MBH Steam, 1,728 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 888) Note: Includes field assembly of individual sections and testing.	41,599.58	6,712.26
23 52 23 00-0053	EA	1,766 MBH Steam, 1,977 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 988) Note: Includes field assembly of individual sections and testing.	45,651.78	7,041.88
23 52 23 00-0054	EA	1,988 MBH Steam, 2,227 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1088) Note: Includes field assembly of individual sections and testing.	48,488.99	7,371.50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0055	EA	2,211 MBH Steam, 2,477 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1188) Note: Includes field assembly of individual sections and testing.	51,004.65	7,701.12
23 52 23 00-0056	EA	2,434 MBH Steam, 2,726 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1288) Note: Includes field assembly of individual sections and testing.	54,346.82	8,030.74
23 52 23 00-0057	EA	2,657 MBH Steam, 2,976 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1388) Note: Includes field assembly of individual sections and testing.	57,044.52	8,360.36
23 52 23 00-0058	EA	2,880 MBH Steam, 3,225 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1488) Note: Includes field assembly of individual sections and testing.	61,574.02	8,689.98
23 52 23 00-0059	EA	3,102 MBH Steam, 3,475 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1588) Note: Includes field assembly of individual sections and testing.	64,143.25	9,019.60
23 52 23 00-0060	EA	3,325 MBH Steam, 3,724 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1688) Note: Includes field assembly of individual sections and testing.	66,865.27	9,349.22
23 52 23 00-0061	EA	3,548 MBH Steam, 3,974 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1788) Note: Includes field assembly of individual sections and testing.	69,892.86	9,678.84
23 52 23 00-0062	EA	3,771 MBH Steam, 4,223 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1888) Note: Includes field assembly of individual sections and testing.	72,365.17	10,008.46
23 52 23 00-0063		**Gas Fired Package Weil-McLain Model 88 Cast Iron Boiler** *(23 52 23 00-0046)*		
23 52 23 00-0064	EA	629 MBH Steam, 730 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 488) Note: Fire tested factory assembled package unit.	22,446.82	819.95
23 52 23 00-0065	EA	845 MBH Steam, 979 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 588) Note: Fire tested factory assembled package unit.	25,459.84	937.09
23 52 23 00-0066	EA	1,072 MBH Steam, 1,229 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 688) Note: Fire tested factory assembled package unit.	29,182.50	1,054.23
23 52 23 00-0067	EA	1,311 MBH Steam, 1,478 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 788) Note: Fire tested factory assembled package unit.	32,445.74	1,171.37
23 52 23 00-0068	EA	1,543 MBH Steam, 1,728 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 888) Note: Fire tested factory assembled package unit.	34,837.55	1,171.37
23 52 23 00-0069	EA	1,766 MBH Steam, 1,977 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 988) Note: Fire tested factory assembled package unit.	38,944.68	1,288.50
23 52 23 00-0070	EA	1,988 MBH Steam, 2,227 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1088) Note: Fire tested factory assembled package unit.	41,366.18	1,288.50
23 52 23 00-0071	EA	2,211 MBH Steam, 2,477 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1188) Note: Fire tested factory assembled package unit.	43,932.52	1,405.63
23 52 23 00-0072	EA	2,434 MBH Steam, 2,726 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1288) Note: Fire tested factory assembled package unit.	46,860.09	1,405.63
23 52 23 00-0073	EA	2,657 MBH Steam, 2,976 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1388) Note: Fire tested factory assembled package unit.	49,608.80	1,522.77
23 52 23 00-0074	EA	2,880 MBH Steam, 3,225 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1488) Note: Fire tested factory assembled package unit.	52,271.23	1,639.91
23 52 23 00-0075	EA	3,102 MBH Steam, 3,475 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1588) Note: Fire tested factory assembled package unit.	54,425.56	1,639.91
23 52 23 00-0076	EA	3,325 MBH Steam, 3,724 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1688) Note: Fire tested factory assembled package unit.	57,199.67	1,757.04
23 52 23 00-0077	EA	3,548 MBH Steam, 3,974 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1788) Note: Fire tested factory assembled package unit.	59,810.59	1,757.04
23 52 23 00-0078	EA	3,771 MBH Steam, 4,223 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1888) Note: Fire tested factory assembled package unit.	62,364.15	1,874.18
23 52 23 00-0079		**Gas/Oil Fired Weil-McLain Model 88 Cast Iron Boiler** *(23 52 23 00-0046)* Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0080	EA	629 MBH Steam, 730 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 488) Note: Includes field assembly of individual sections and testing.	29,929.47	5,393.78
23 52 23 00-0081	EA	845 MBH Steam, 979 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 588) Note: Includes field assembly of individual sections and testing.	32,885.83	5,723.40
23 52 23 00-0082	EA	1,072 MBH Steam, 1,229 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 688) Note: Includes field assembly of individual sections and testing.	36,795.05	6,053.02
23 52 23 00-0083	EA	1,311 MBH Steam, 1,478 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 788) Note: Includes field assembly of individual sections and testing.	40,145.37	6,382.64
23 52 23 00-0084	EA	1,543 MBH Steam, 1,728 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 888) Note: Includes field assembly of individual sections and testing.	42,818.11	6,712.26
23 52 23 00-0085	EA	1,766 MBH Steam, 1,977 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 988) Note: Includes field assembly of individual sections and testing.	46,793.97	7,041.88
23 52 23 00-0086	EA	1,988 MBH Steam, 2,227 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1088) Note: Includes field assembly of individual sections and testing.	50,203.69	7,371.50
23 52 23 00-0087	EA	2,211 MBH Steam, 2,477 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1188) Note: Includes field assembly of individual sections and testing.	52,719.35	7,701.12
23 52 23 00-0088	EA	2,434 MBH Steam, 2,726 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1288) Note: Includes field assembly of individual sections and testing.	56,027.59	8,030.74
23 52 23 00-0089	EA	2,657 MBH Steam, 2,976 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1388) Note: Includes field assembly of individual sections and testing.	59,447.64	8,360.36
23 52 23 00-0090	EA	2,880 MBH Steam, 3,225 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1488) Note: Includes field assembly of individual sections and testing.	64,098.71	8,689.98
23 52 23 00-0091	EA	3,102 MBH Steam, 3,475 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1588) Note: Includes field assembly of individual sections and testing.	67,517.51	9,019.60
23 52 23 00-0092	EA	3,325 MBH Steam, 3,724 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1688) Note: Includes field assembly of individual sections and testing.	69,388.55	9,349.22
23 52 23 00-0093	EA	3,548 MBH Steam, 3,974 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1788) Note: Includes field assembly of individual sections and testing.	72,339.81	9,678.84
23 52 23 00-0094	EA	3,771 MBH Steam, 4,223 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1888) Note: Includes field assembly of individual sections and testing.	74,838.97	10,008.46

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0095		**Gas/Oil Fired Package Weil-McLain Model 88 Cast Iron Boiler** *(23 52 23 00-0046)*		
23 52 23 00-0096	EA	629 MBH Steam, 730 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 488) Note: Fire tested factory assembled package cast iron unit.	23,430.69	819.95
23 52 23 00-0097	EA	845 MBH Steam, 979 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 588) Note: Fire tested factory assembled package cast iron unit.	26,438.05	937.09
23 52 23 00-0098	EA	1,072 MBH Steam, 1,229 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 688) Note: Fire tested factory assembled package cast iron unit.	30,401.02	1,054.23
23 52 23 00-0099	EA	1,311 MBH Steam, 1,478 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 788) Note: Fire tested factory assembled package cast iron unit.	33,802.79	1,171.37
23 52 23 00-0100	EA	1,543 MBH Steam, 1,728 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 888) Note: Fire tested factory assembled package cast iron unit.	36,058.90	1,171.37
23 52 23 00-0101	EA	1,766 MBH Steam, 1,977 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 988) Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	40,086.87	1,288.50
23 52 23 00-0102	EA	1,988 MBH Steam, 2,227 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1088) Note: Fire tested factory assembled package cast iron unit.	43,080.88	1,288.50
23 52 23 00-0103	EA	2,211 MBH Steam, 2,477 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1188) Note: Fire tested factory assembled package cast iron unit.	45,647.22	1,405.63
23 52 23 00-0104	EA	2,434 MBH Steam, 2,726 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1288) Note: Fire tested factory assembled package cast iron unit.	48,540.86	1,405.63
23 52 23 00-0105	EA	2,657 MBH Steam, 2,976 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1388) Note: Fire tested factory assembled package cast iron unit.	52,018.98	1,522.77
23 52 23 00-0106	EA	2,880 MBH Steam, 3,225 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1488) Note: Fire tested factory assembled package cast iron unit.	54,795.92	1,639.91
23 52 23 00-0107	EA	3,102 MBH Steam, 3,475 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1588) Note: Fire tested factory assembled package cast iron unit.	56,386.22	1,639.91
23 52 23 00-0108	EA	3,325 MBH Steam, 3,724 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1688) Note: Fire tested factory assembled package cast iron unit.	59,722.95	1,757.04
23 52 23 00-0109	EA	3,548 MBh Steam, 3,974 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1788) Note: Fire tested factory assembled package cast iron unit.	62,257.53	1,757.04
23 52 23 00-0110	EA	3,771 MBH Steam, 4,223 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1888) Note: Fire tested factory assembled package cast iron unit.	64,809.68	1,874.18
23 52 23 00-0111		**Weil-McLain Model 94 Cast Iron Boiler** *(23 52 23)* Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.		
23 52 23 00-0112		**Gas Fired Weil-McLain Model 94 Cast Iron Boiler** *(23 52 23 00-0111)* Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0113	EA	1,584 MBH Steam, 1,784 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-894) Note: Includes field assembly of individual sections and testing.	78,022.74	10,487.92
23 52 23 00-0114	EA	1,800 MBH Steam, 2,050 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-994) Note: Includes field assembly of individual sections and testing.	84,538.12	11,087.22
23 52 23 00-0115	EA	2,024 MBH Steam, 2,310 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1094) Note: Includes field assembly of individual sections and testing.	90,494.64	11,686.53
23 52 23 00-0116	EA	2,249 MBH Steam, 2,571 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1194) Note: Includes field assembly of individual sections and testing.	96,328.05	12,285.84
23 52 23 00-0117	EA	2,474 MBH Steam, 2,834 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1294) Note: Includes field assembly of individual sections and testing.	102,215.37	12,885.15
23 52 23 00-0118	EA	2,703 MBH Steam, 3,098 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1394) Note: Includes field assembly of individual sections and testing.	109,832.42	13,484.47
23 52 23 00-0119	EA	2,928 MBH Steam, 3,362 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1494) Note: Includes field assembly of individual sections and testing.	115,383.55	14,083.77
23 52 23 00-0120	EA	3,154 MBH Steam, 3,628 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1594) Note: Includes field assembly of individual sections and testing.	120,757.16	14,683.08
23 52 23 00-0121	EA	3,378 MBH Steam, 3,894 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1694) Note: Includes field assembly of individual sections and testing.	129,459.48	15,282.39
23 52 23 00-0122	EA	3,604 MBH Steam, 4,162 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1794) Note: Includes field assembly of individual sections and testing.	134,830.03	15,881.70
23 52 23 00-0123	EA	3,834 MBH Steam, 4,430 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1894) Note: Includes field assembly of individual sections and testing.	139,446.79	16,481.00
23 52 23 00-0124	EA	4,059 MBH Steam, 4,700 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1994) Note: Includes field assembly of individual sections and testing.	147,848.23	17,080.32
23 52 23 00-0125	EA	4,285 MBH Steam, 4,970 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2094) Note: Includes field assembly of individual sections and testing.	153,262.73	17,679.63
23 52 23 00-0126	EA	4,510 MBH Steam, 5,241 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2194) Note: Includes field assembly of individual sections and testing.	161,856.07	18,278.94
23 52 23 00-0127	EA	4,781 MBH Steam, 5,568 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2294) Note: Includes field assembly of individual sections and testing.	167,552.18	18,878.25
23 52 23 00-0128	EA	4,961 MBH Steam, 5,787 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2394) Note: Includes field assembly of individual sections and testing.	173,778.56	19,477.55
23 52 23 00-0129	EA	5,232 MBH Steam, 6,117 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2494) Note: Includes field assembly of individual sections and testing.	179,136.17	20,076.86
23 52 23 00-0130	EA	5,413 MBH Steam, 6,338 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2594) Note: Includes field assembly of individual sections and testing.	184,645.74	20,676.18
23 52 23 00-0131		**Gas Fired Package Weil-McLain Model 94 Cast Iron Boiler** *(23 52 23 00-0111)*		
23 52 23 00-0132	EA	1,584 MBH Steam, 1,784 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-894) Note: Fire tested factory assembled package cast iron unit.	68,734.80	1,522.77
23 52 23 00-0133	EA	1,800 MBH Steam, 2,050 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-994) Note: Fire tested factory assembled package cast iron unit.	74,966.58	1,639.91

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0134	EA	2,024 MBH Steam, 2,310 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1094) Note: Fire tested factory assembled package cast iron unit.	80,635.75	1,757.04
23 52 23 00-0135	EA	2,249 MBH Steam, 2,571 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1194) Note: Fire tested factory assembled package cast iron unit.	86,186.14	1,874.18
23 52 23 00-0136	EA	2,474 MBH Steam, 2,834 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1294) Note: Fire tested factory assembled package cast iron unit.	91,317.51	1,874.18
23 52 23 00-0137	EA	2,703 MBH Steam, 3,098 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1394) Note: Fire tested factory assembled package cast iron unit.	96,735.16	1,991.32
23 52 23 00-0138	EA	2,928 MBH Steam, 3,362 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1494) Note: Fire tested factory assembled package cast iron unit.	101,531.50	1,991.32
23 52 23 00-0139	EA	3,154 MBH Steam, 3,628 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1594) Note: Fire tested factory assembled package cast iron unit.	106,619.65	2,108.46
23 52 23 00-0140	EA	3,378 MBH Steam, 3,894 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1694) Note: Fire tested factory assembled package cast iron unit.	114,568.32	2,108.46
23 52 23 00-0141	EA	3,604 MBH Steam, 4,162 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1794) Note: Fire tested factory assembled package cast iron unit.	119,655.03	2,225.60
23 52 23 00-0142	EA	3,834 MBH Steam, 4,430 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1894) Note: Fire tested factory assembled package cast iron unit.	123,516.99	2,225.60
23 52 23 00-0143	EA	4,059 MBH Steam, 4,700 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1994) Note: Fire tested factory assembled package cast iron unit.	131,636.00	2,342.72
23 52 23 00-0144	EA	4,285 MBH Steam, 4,970 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2094) Note: Fire tested factory assembled package cast iron unit.	136,295.23	2,342.72
23 52 23 00-0145	EA	4,510 MBH Steam, 5,241 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2194) Note: Fire tested factory assembled package cast iron unit.	144,629.12	2,459.86
23 52 23 00-0146	EA	4,781 MBH Steam, 5,568 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2294) Note: Fire tested factory assembled package cast iron unit.	149,544.20	2,459.86
23 52 23 00-0147	EA	4,961 MBH Steam, 5,787 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2394) Note: Fire tested factory assembled package cast iron unit.	155,483.38	2,577.00
23 52 23 00-0148	EA	5,232 MBH Steam, 6,117 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2494) Note: Fire tested factory assembled package cast iron unit.	160,087.47	2,577.00
23 52 23 00-0149	EA	5,413 MBH Steam, 6,338 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2594) Note: Fire tested factory assembled package cast iron unit.	165,311.30	2,694.14
23 52 23 00-0150		**Oil Fired Weil-McLain Model 94 Cast Iron Boiler** *(23 52 23 00-0111)* Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0151	EA	1,584 MBH Steam, 1,784 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-894) Note: Includes field assembly of individual sections and testing.	73,804.56	10,487.92
23 52 23 00-0152	EA	1,800 MBH Steam, 2,050 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-994) Note: Includes field assembly of individual sections and testing.	80,319.94	11,087.22
23 52 23 00-0153	EA	2,024 MBH Steam, 2,310 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1094) Note: Includes field assembly of individual sections and testing.	88,230.05	11,686.53
23 52 23 00-0154	EA	2,249 MBH Steam, 2,571 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1194) Note: Includes field assembly of individual sections and testing.	93,553.15	12,285.84
23 52 23 00-0155	EA	2,474 MBH Steam, 2,834 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1294) Note: Includes field assembly of individual sections and testing.	99,092.73	12,885.15
23 52 23 00-0156	EA	2,703 MBH Steam, 3,098 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1394) Note: Includes field assembly of individual sections and testing.	106,321.04	13,484.47
23 52 23 00-0157	EA	2,928 MBH Steam, 3,362 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1494) Note: Includes field assembly of individual sections and testing.	112,135.10	14,083.77
23 52 23 00-0158	EA	3,154 MBH Steam, 3,628 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1594) Note: Includes field assembly of individual sections and testing.	117,511.53	14,683.08
23 52 23 00-0159	EA	3,378 MBH Steam, 3,894 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1694) Note: Includes field assembly of individual sections and testing.	127,223.17	15,282.39
23 52 23 00-0160	EA	3,604 MBH Steam, 4,162 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1794) Note: Includes field assembly of individual sections and testing.	132,595.13	15,881.70
23 52 23 00-0161	EA	3,834 MBH Steam, 4,430 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1894) Note: Includes field assembly of individual sections and testing.	137,965.34	16,481.00
23 52 23 00-0162	EA	4,059 MBH Steam, 4,700 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1994) Note: Includes field assembly of individual sections and testing.	147,858.13	17,080.32
23 52 23 00-0163	EA	4,285 MBH Steam, 4970 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2094) Note: Includes field assembly of individual sections and testing.	153,272.62	17,679.63
23 52 23 00-0164	EA	4,510 MBH Steam, 5,241 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2194) Note: Includes field assembly of individual sections and testing.	162,093.56	18,278.94
23 52 23 00-0165	EA	4,781 MBH Steam, 5,568 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2294) Note: Includes field assembly of individual sections and testing.	167,788.25	18,878.25
23 52 23 00-0166	EA	4,961 MBH Steam, 5,787 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2394) Note: Includes field assembly of individual sections and testing.	173,893.07	19,477.55
23 52 23 00-0167	EA	5,232 MBH Steam, 6,117 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2494) Note: Includes field assembly of individual sections and testing.	179,250.67	20,076.86
23 52 23 00-0168	EA	5,413 MBH Steam, 6,338 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2594) Note: Includes field assembly of individual sections and testing.	184,768.72	20,676.18
23 52 23 00-0169		**Oil Fired Package Weil-McLain Model 94 Cast Iron Boiler** *(23 52 23 00-0111)*		
23 52 23 00-0170	EA	1,584 MBH Steam, 1,784 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-894) Note: Fire tested factory assembled package cast iron unit.	64,287.62	1,522.77
23 52 23 00-0171	EA	1,800 MBH Steam, 2,050 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-994) Note: Fire tested factory assembled package cast iron unit.	70,519.40	1,639.91
23 52 23 00-0172	EA	2,024 MBH Steam, 2,310 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1094) Note: Fire tested factory assembled package cast iron unit.	78,142.16	1,757.04
23 52 23 00-0173	EA	2,249 MBH Steam, 2,571 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1194) Note: Fire tested factory assembled package cast iron unit.	83,182.24	1,874.18

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0174	EA	2,474 MBH Steam, 2,834 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1294) Note: Fire tested factory assembled package cast iron unit.	87,965.86	1,874.18
23 52 23 00-0175	EA	2,703 MBH Steam, 3,098 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1394) Note: Fire tested factory assembled package cast iron unit.	92,994.77	1,991.32
23 52 23 00-0176	EA	2,928 MBH Steam, 3,362 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1494) Note: Fire tested factory assembled package cast iron unit.	98,054.05	1,991.32
23 52 23 00-0177	EA	3,154 MBH Steam, 3,628 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1594) Note: Fire tested factory assembled package cast iron unit.	103,142.19	2,108.46
23 52 23 00-0178	EA	3,378 MBH Steam, 3,894 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1694) Note: Fire tested factory assembled package cast iron unit.	112,103.00	2,108.46
23 52 23 00-0179	EA	3,604 MBH Steam, 4,162 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1794) Note: Fire tested factory assembled package cast iron unit.	117,188.30	2,225.60
23 52 23 00-0180	EA	3,834 MBH Steam, 4,430 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1894) Note: Fire tested factory assembled package cast iron unit.	121,806.53	2,225.60
23 52 23 00-0181	EA	4,059 MBH Steam, 4,700 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1994) Note: Fire tested factory assembled package cast iron unit.	131,416.89	2,342.72
23 52 23 00-0182	EA	4,285 MBH Steam, 4,970 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2094) Note: Fire tested factory assembled package cast iron unit.	136,076.12	2,342.72
23 52 23 00-0183	EA	4,510 MBH Steam, 5,241 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2194) Note: Fire tested factory assembled package cast iron unit.	144,609.33	2,459.86
23 52 23 00-0184	EA	4,781 MBH Steam, 5,568 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2294) Note: Fire tested factory assembled package cast iron unit.	149,551.27	2,459.86
23 52 23 00-0185	EA	4,961 MBH Steam, 5,787 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2394) Note: Fire tested factory assembled package cast iron unit.	155,368.87	2,577.00
23 52 23 00-0186	EA	5,232 MBH Steam, 6,117 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2494) Note: Fire tested factory assembled package cast iron unit.	159,972.97	2,577.00
23 52 23 00-0187	EA	5,413 MBH Steam, 6,338 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2594) Note: Fire tested factory assembled package cast iron unit.	165,205.28	2,694.14
23 52 23 00-0188		**Gas/Oil Fired Weil-McLain Model 94 Cast Iron Boiler** *(23 52 23 00-0111)* Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0189	EA	1,584 MBH Steam, 1,784 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-894) Note: Includes field assembly of individual sections and testing.	79,348.70	10,487.92
23 52 23 00-0190	EA	1,800 MBH Steam, 2,050 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-994) Note: Includes field assembly of individual sections and testing.	85,865.49	11,087.22
23 52 23 00-0191	EA	2,024 MBH Steam, 2,310 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1094) Note: Includes field assembly of individual sections and testing.	92,183.89	11,686.53
23 52 23 00-0192	EA	2,249 MBH Steam, 2,571 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1194) Note: Includes field assembly of individual sections and testing.	98,160.07	12,285.84
23 52 23 00-0193	EA	2,474 MBH Steam, 2,834 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1294) Note: Includes field assembly of individual sections and testing.	104,014.88	12,885.15
23 52 23 00-0194	EA	2,703 MBH Steam, 3,098 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1394) Note: Includes field assembly of individual sections and testing.	110,496.81	13,484.47
23 52 23 00-0195	EA	2,928 MBH Steam, 3,362 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1494) Note: Includes field assembly of individual sections and testing.	117,590.18	14,083.77
23 52 23 00-0196	EA	3,154 MBH Steam, 3,628 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1594) Note: Includes field assembly of individual sections and testing.	123,311.53	14,683.08
23 52 23 00-0197	EA	3,378 MBH Steam, 3,894 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1694) Note: Includes field assembly of individual sections and testing.	132,235.79	15,282.39
23 52 23 00-0198	EA	3,604 MBH Steam, 4,162 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1794) Note: Includes field assembly of individual sections and testing.	137,606.34	15,881.70
23 52 23 00-0199	EA	3,834 MBH Steam, 4,430 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1894) Note: Includes field assembly of individual sections and testing.	142,322.05	16,481.00
23 52 23 00-0200	EA	4,059 MBH Steam, 4,700 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1994) Note: Includes field assembly of individual sections and testing.	150,819.62	17,080.32
23 52 23 00-0201	EA	4,285 MBH Steam, 4,970 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2094) Note: Includes field assembly of individual sections and testing.	157,647.71	17,679.63
23 52 23 00-0202	EA	4,510 MBH Steam, 5,241 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2194) Note: Includes field assembly of individual sections and testing.	166,998.75	18,278.94
23 52 23 00-0203	EA	4,781 MBH Steam, 5,568 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2294) Note: Includes field assembly of individual sections and testing.	172,652.45	18,878.25
23 52 23 00-0204	EA	4,961 MBH Steam, 5,787 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2394) Note: Includes field assembly of individual sections and testing.	179,141.76	19,477.55
23 52 23 00-0205	EA	5,232 MBH Steam, 6,117 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2494) Note: Includes field assembly of individual sections and testing.	184,500.78	20,076.86
23 52 23 00-0206	EA	5,413 MBH Steam, 6,338 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2594) Note: Includes field assembly of individual sections and testing.	190,014.59	20,676.18
23 52 23 00-0207		**Gas/Oil Fired Package Weil-McLain Model 94 Cast Iron Boiler** *(23 52 23 00-0111)*		
23 52 23 00-0208	EA	1,584 MBH Steam, 1,784 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-894) Note: Fire tested factory assembled package cast iron unit.	70,163.95	1,522.77
23 52 23 00-0209	EA	1,800 MBH Steam, 2,050 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-994) Note: Fire tested factory assembled package cast iron unit.	76,397.14	1,639.91
23 52 23 00-0210	EA	2,024 MBH Steam, 2,310 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1094) Note: Fire tested factory assembled package cast iron unit.	82,432.43	1,757.04
23 52 23 00-0211	EA	2,249 MBH Steam, 2,571 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1194) Note: Fire tested factory assembled package cast iron unit.	88,122.77	1,874.18
23 52 23 00-0212	EA	2,474 MBH Steam, 2,834 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1294) Note: Fire tested factory assembled package cast iron unit.	93,221.62	1,874.18
23 52 23 00-0213	EA	2,703 MBH Steam, 3,098 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1394) Note: Fire tested factory assembled package cast iron unit.	97,502.74	1,991.32

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0214	EA	2,928 MBH Steam, 3,362 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1494) Note: Fire tested factory assembled package cast iron unit.	103,841.33	1,991.32
23 52 23 00-0215	EA	3,154 MBH Steam, 3,628 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1594) Note: Fire tested factory assembled package cast iron unit.	109,275.80	2,108.46
23 52 23 00-0216	EA	3,378 MBH Steam, 3,894 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1694) Note: Fire tested factory assembled package cast iron unit.	117,449.24	2,108.46
23 52 23 00-0217	EA	3,604 MBH Steam, 4,162 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1794) Note: Fire tested factory assembled package cast iron unit.	122,533.12	2,225.60
23 52 23 00-0218	EA	3,834 MBH Steam, 4,430 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1894) Note: Fire tested factory assembled package cast iron unit.	126,495.44	2,225.60
23 52 23 00-0219	EA	4,059 MBH Steam, 4,700 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1994) Note: Fire tested factory assembled package cast iron unit.	134,710.58	2,342.72
23 52 23 00-0220	EA	4,285 MBH Steam, 4,970 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2094) Note: Fire tested factory assembled package cast iron unit.	140,784.82	2,342.72
23 52 23 00-0221	EA	4,510 MBH Steam, 5,241 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2194) Note: Fire tested factory assembled package cast iron unit.	149,848.13	2,459.86
23 52 23 00-0222	EA	4,781 MBH Steam, 5,568 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2294) Note: Fire tested factory assembled package cast iron unit.	154,749.08	2,459.86
23 52 23 00-0223	EA	4,961 MBH Steam, 5,787 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2394) Note: Fire tested factory assembled package cast iron unit.	160,949.77	2,577.00
23 52 23 00-0224	EA	5,232 MBH Steam, 6,117 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2494) Note: Fire tested factory assembled package cast iron unit.	165,555.28	2,577.00
23 52 23 00-0225	EA	5,413 MBH Steam, 6,338 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2594) Note: Fire tested factory assembled package cast iron unit.	170,784.76	2,694.14

23 52 33 Water-Tube Boilers *(23 52)*

23 52 33 13 Finned Water-Tube Boilers *(23 52 33)*

23 52 33 13-0001 Laars Pennant 85% Efficient Water, Gas Fired, Copper Fin Tube LoNox Boiler *(23 52 33 13)*

Note: Rated by gross rated output.

23 52 33 13-0002	EA	200 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	8,958.23	640.62
23 52 33 13-0003	EA	300 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	9,859.09	711.81
23 52 33 13-0004	EA	400 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	11,330.14	854.16
23 52 33 13-0005	EA	500 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	14,448.88	889.76
23 52 33 13-0006	EA	750 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	16,976.84	1,067.70
23 52 33 13-0007	EA	1,000 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	20,857.39	1,281.24
23 52 33 13-0008	EA	1,250 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	23,681.77	1,352.43
23 52 33 13-0009	EA	1,500 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	26,227.72	1,459.20
23 52 33 13-0010	EA	1,750 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	28,592.70	1,530.38
23 52 33 13-0011	EA	2,000 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	30,673.37	1,565.97

23 52 33 13-0012 Patterson Kelly Modufire Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler *(23 52 33 13)*

Note: Rated by gross rated output.

23 52 33 13-0013	EA	1,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire)	31,160.23	1,281.24
23 52 33 13-0014	EA	1,500 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire)	38,902.40	1,459.20
23 52 33 13-0015	EA	2,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire)	41,454.71	1,565.97
23 52 33 13-0016	EA	2,500 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire)	58,606.08	1,779.51
23 52 33 13-0017	EA	3,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire)	61,485.11	1,993.05

23 52 33 13-0018 Lochinvar Copper-Fin II Finned Tube Boiler *(23 52 33 13)*

Note: Rated by gross rated output.

23 52 33 13-0019	EA	340 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0402)	14,327.47	574.83
		For High And Low Gas Pressure Switch With Manual Reset, Add	*537.49*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*476.15*	
23 52 33 13-0020	EA	425 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0502)	17,192.20	718.28
		For High And Low Gas Pressure Switch With Manual Reset, Add	*537.49*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*476.15*	
23 52 33 13-0021	EA	552.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0652)	18,423.99	862.79
		For High And Low Gas Pressure Switch With Manual Reset, Add	*537.49*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*476.15*	
23 52 33 13-0022	EA	637.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0752)	18,936.65	862.79
		For High And Low Gas Pressure Switch With Manual Reset, Add	*537.49*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*476.15*	
23 52 33 13-0023	EA	841.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0992)	23,487.87	1,078.49
		For High And Low Gas Pressure Switch With Manual Reset, Add	*537.49*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*476.15*	
23 52 33 13-0024	EA	1,071 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN1262)	27,250.33	1,078.49
		For High And Low Gas Pressure Switch With Manual Reset, Add	*537.49*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*476.15*	
23 52 33 13-0025	EA	1,224 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN1442)	29,739.15	1,078.49
		For High And Low Gas Pressure Switch With Manual Reset, Add	*537.49*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*476.15*	
23 52 33 13-0026	EA	1,530 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN1802)	32,019.18	1,294.19
		For High And Low Gas Pressure Switch With Manual Reset, Add	*537.49*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*476.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 33 13-0027	EA	1,759.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN2072)	37,876.16	1,509.88
		For High And Low Gas Pressure Switch With Manual Reset, Add	*537.49*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*476.15*	

23 52 33 13-0028 Raypak Cupro-Nickel Finned-Tube Boiler With Pump *(23 52 33 13)*

Note: Rated by gross rated output.

23 52 33 13-0029	EA	385 MBH Water, Gas Fired, On/Off, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H4-399B)	13,743.07	790.10
23 52 33 13-0030	EA	420 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-499B)	14,793.08	711.81
23 52 33 13-0031	EA	546 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-649B)	16,472.15	854.16
23 52 33 13-0032	EA	630 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-749B)	17,477.90	969.67
23 52 33 13-0033	EA	756 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-899B)	19,414.71	1,067.70
23 52 33 13-0034	EA	832 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-989B)	20,885.18	1,149.24
23 52 33 13-0035	EA	1,058 MBH Water, Gas Fired, Three Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H8-1259B)	23,870.39	1,281.24
23 52 33 13-0036	EA	1,285 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-1529B)	27,792.85	1,352.43
23 52 33 13-0037	EA	1,512 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-1799B)	29,479.61	1,459.20
23 52 33 13-0038	EA	1,679 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-1999B)	35,343.47	1,494.79
23 52 33 13-0039	EA	1,739 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-2069B)	35,451.32	1,530.38
23 52 33 13-0040	EA	1,966 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-2339B)	41,574.11	1,565.97

23 52 33 16 Steel Water-Tube Boilers *(23 52 33)*

23 52 33 16-0001 Unilux 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler *(23 52 33 16)*

Note: Compliant with SCAQMD.

23 52 33 16-0002	EA	1,250 MBH Input/1,062 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF100)	90,209.73	1,725.59
23 52 33 16-0003	EA	1,750 MBH Input/1.488 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF150)	96,944.70	2,156.99
23 52 33 16-0004	EA	2,200 MBH Input/1,870 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF200)	203,052.60	2,372.68
23 52 33 16-0005	EA	2,750 MBH Input/2,338 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF250)	210,659.84	2,588.38
23 52 33 16-0006	EA	3,000 MBH Input/2,550 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF300)	214,243.03	2,911.93
23 52 33 16-0007	EA	3,750 MBH Input/3,188 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux VZ350)	225,652.75	3,235.47
23 52 33 16-0008	EA	4,300 MBH Input/3,655 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux VZ400)	230,761.17	3,343.32

23 52 33 16-0009 Unilux 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler *(23 52 33 16)*

Note: Compliant with SCAQMD.

23 52 33 16-0010	EA	1,250 MBH, 31 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux ZF100LSG)	105,319.31	1,941.29
23 52 33 16-0011	EA	1,750 MBH, 43.5 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux ZF150LSG)	110,532.64	2,264.83
23 52 33 16-0012	EA	2,200 MBH, 54.5 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux ZF200LSG)	217,946.47	2,480.53
23 52 33 16-0013	EA	2,750 MBH, 68 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux ZF250LSG)	231,423.62	2,696.23
23 52 33 16-0014	EA	3,000 MBH, 74 HP,83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux ZF300LSG)	236,094.77	2,911.93
23 52 33 16-0015	EA	3,750 MBH, 93 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux ZF350LSG)	245,221.37	3,235.47
23 52 33 16-0016	EA	4,300 MBH, 106.5 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux ZF400LSG)	253,488.43	3,451.17
23 52 33 16-0017	EA	5,400 MBH, 134 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux ZF500LSG)	249,670.95	3,666.87
23 52 33 16-0018	EA	6,250 MBH, 155 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux ZF600LSG)	270,323.93	3,882.57
23 52 33 16-0019	EA	7,235 MBH, 179 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux ZF700LSG)	284,454.05	4,098.26
23 52 33 16-0020	EA	8,270 MBH, 205 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux ZF800LSG)	291,734.81	4,313.96

23 52 33 16-0021 Unilux 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler *(23 52 33 16)*

Note: Compliant with SCAQMD.

23 52 33 16-0022	EA	1,250 MBH, 31 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 100HS)	113,472.33	1,941.29
23 52 33 16-0023	EA	1,750 MBH, 43.5 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 150HS)	120,318.09	2,264.83
23 52 33 16-0024	EA	2,200 MBH, 54.5 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 200HS)	229,035.58	2,480.53
23 52 33 16-0025	EA	2,750 MBH, 68 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 250HS)	242,839.22	2,696.23
23 52 33 16-0026	EA	3,000 MBH, 74 HP,81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 300HS)	247,510.37	2,911.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 33 16-0027	EA	3,750 MBH, 93 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 350HS)	255,006.83	3,235.47
23 52 33 16-0028	EA	4,300 MBH, 106.5 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 400HS)	263,593.52	3,451.17
23 52 33 16-0029	EA	5,400 MBH, 134 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 500HS)	259,129.91	3,666.87
23 52 33 16-0030	EA	6,250 MBH, 155 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 600HS)	281,415.33	3,882.57
23 52 33 16-0031	EA	7,235 MBH, 179 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 700HS)	290,326.23	4,098.26
23 52 33 16-0032	EA	8,270 MBH, 205 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 800HS)	302,826.21	4,313.96
23 52 33 16-0033	EA	9,300 MBH, 230 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 900HS)	336,851.43	4,529.66
23 52 33 16-0034	EA	10,330 MBH, 256 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 1000HS)	487,804.36	4,745.36
23 52 33 16-0035	EA	12,400 MBH, 307 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 1200HS)	512,535.01	4,961.05

23 52 36 Fire-Box Boiler *(23 52)*

23 52 36 00-0001 Package Oil Fired Firebox Boilers *(23 52 36)*

Note: Prices are good for 15 PSI steam or 30 PSI water. Packaged type, complete with burner and all basic safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.) Normally required (Boiler HP) boiler sizes are based on HP rating and gross output.

23 52 36 00-0002	EA	40 HP, 1,339 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	87,618.40	2,811.27
23 52 36 00-0003	EA	46 HP, 1,553 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	91,596.52	3,045.55
23 52 36 00-0004	EA	53 HP, 1,784 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	95,893.65	3,279.81
23 52 36 00-0005	EA	61 HP, 2,062 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	103,700.33	3,514.09
23 52 36 00-0006	EA	69 HP, 2,313 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	108,316.48	3,748.36
23 52 36 00-0007	EA	80 HP, 2,678 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	112,853.01	3,982.64
23 52 36 00-0008	EA	100 HP, 3,348 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	125,541.12	4,216.91
23 52 36 00-0009	EA	127 HP, 4,251 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	145,286.21	4,685.46
23 52 36 00-0010	EA	151 HP, 5,055 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	165,366.37	5,154.00
23 52 36 00-0011	EA	183 HP, 6,126 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	181,415.82	5,681.12
23 52 36 00-0012	EA	220 HP, 7,388 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	197,465.41	6,208.23
23 52 36 00-0013	EA	257 HP, 8,606 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	207,550.29	7,262.45
23 52 36 00-0014	EA	294 HP, 9,842 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	252,969.73	8,316.68
23 52 36 00-0015	EA	368 HP, 12,302 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	299,505.81	9,370.91
23 52 36 00-0016	EA	441 HP, 14,766 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	346,515.55	10,542.27
23 52 36 00-0017	EA	514 HP, 17,220 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	392,460.94	11,420.79

23 52 39 Fire-Tube Boilers *(23 52)*

23 52 39 13 Scotch Marine Boilers *(23 52 39)*

23 52 39 13-0001 15 PSI Steam Scotch Marine Boilers *(23 52 39 13)*

Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH gross rated output.

23 52 39 13-0002 15 PSI Gas Fired Steam Scotch Marine Boilers *(23 52 39 13-0001)*

23 52 39 13-0003	EA	30 HP, 1,033 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	69,811.49	1,288.50
23 52 39 13-0004	EA	40 HP, 1,339 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	75,143.74	1,405.63
23 52 39 13-0005	EA	50 HP, 1,674 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	81,616.13	1,522.77
23 52 39 13-0006	EA	60 HP, 2,009 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	85,259.24	1,757.04
23 52 39 13-0007	EA	70 HP, 2,343 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	89,334.38	1,874.18
23 52 39 13-0008	EA	80 HP, 2,678 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	93,512.51	1,991.32
23 52 39 13-0009	EA	90 HP, 3,013 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	96,399.09	2,049.89
23 52 39 13-0010	EA	100 HP, 3,348 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	101,768.71	2,108.46
23 52 39 13-0011	EA	125 HP, 4,184 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	115,070.24	2,342.72
23 52 39 13-0012	EA	150 HP, 5,021 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	130,766.28	2,577.00
23 52 39 13-0013	EA	175 HP, 5,858 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	143,430.96	2,840.55
23 52 39 13-0014	EA	200 HP, 6,695 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	156,093.22	3,104.12
23 52 39 13-0015	EA	250 HP, 8,369 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	164,605.35	3,631.23
23 52 39 13-0016	EA	300 HP, 10,043 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	200,215.94	4,158.34
23 52 39 13-0017	EA	350 HP, 11,716 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	216,729.01	4,685.46

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0018	EA	400 HP, 13,390 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	255,215.04	5,212.57
23 52 39 13-0019	EA	500 HP, 16,738 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	310,037.46	5,739.68
23 52 39 13-0020	EA	600 HP, 20,085 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	362,751.27	6,266.79
23 52 39 13-0021	EA	700 HP, 23,433 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	413,218.11	6,793.91
23 52 39 13-0022	EA	800 HP, 26,780 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	461,657.46	7,321.02
23 52 39 13-0023	EA	900 HP, 30,128 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	719,169.80	7,848.13
23 52 39 13-0024	EA	1,000 HP, 33,476 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	782,501.26	8,375.25
23 52 39 13-0025		**15 PSI Oil Fired Steam Scotch Marine Boilers** *(23 52 39 13-0001)*		
23 52 39 13-0026	EA	30 HP, 1,033 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	64,693.13	1,288.50
23 52 39 13-0027	EA	40 HP, 1,339 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	69,640.12	1,405.63
23 52 39 13-0028	EA	50 HP, 1,674 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	75,633.94	1,522.77
23 52 39 13-0029	EA	60 HP, 2,009 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	82,397.36	1,757.04
23 52 39 13-0030	EA	70 HP, 2,343 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	85,958.84	1,874.18
23 52 39 13-0031	EA	80 HP, 2,678 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	89,514.81	1,991.32
23 52 39 13-0032	EA	90 HP, 3,013 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	92,844.88	2,049.89
23 52 39 13-0033	EA	100 HP, 3,348 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	99,493.88	2,108.46
23 52 39 13-0034	EA	125 HP, 4,184 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	115,178.71	2,342.72
23 52 39 13-0035	EA	150 HP, 5,021 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	130,884.33	2,577.00
23 52 39 13-0036	EA	175 HP, 5,858 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	143,561.77	2,840.55
23 52 39 13-0037	EA	200 HP, 6,695 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	156,236.79	3,104.12
23 52 39 13-0038	EA	250 HP, 8,369 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	164,755.30	3,631.23
23 52 39 13-0039	EA	300 HP, 10,043 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	200,400.99	4,158.34
23 52 39 13-0040	EA	350 HP, 11,716 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	216,926.83	4,685.46
23 52 39 13-0041	EA	400 HP, 13,390 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	255,451.14	5,212.57
23 52 39 13-0042	EA	500 HP, 16,738 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	310,324.60	5,739.68
23 52 39 13-0043	EA	600 HP, 20,085 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	363,089.46	6,266.79
23 52 39 13-0044	EA	700 HP, 23,433 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	413,604.16	6,793.91
23 52 39 13-0045	EA	800 HP, 26,780 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	462,091.37	7,321.02
23 52 39 13-0046	EA	900 HP, 30,128 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	719,855.71	7,848.13
23 52 39 13-0047	EA	1,000 HP, 33,476 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	783,251.61	8,375.25
23 52 39 13-0048		**15 PSI Gas/Oil Fired Steam Scotch Marine Boilers** *(23 52 39 13-0001)*		
23 52 39 13-0049	EA	30 HP, 1,033 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	72,051.70	1,288.50
23 52 39 13-0050	EA	40 HP, 1,339 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	77,552.56	1,405.63
23 52 39 13-0051	EA	50 HP, 1,674 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	84,229.14	1,522.77
23 52 39 13-0052	EA	60 HP, 2,009 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	88,507.17	1,757.04
23 52 39 13-0053	EA	70 HP, 2,343 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	92,320.69	1,874.18
23 52 39 13-0054	EA	80 HP, 2,678 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	96,128.72	1,991.32
23 52 39 13-0055	EA	90 HP, 3,013 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	99,707.64	2,049.89
23 52 39 13-0056	EA	100 HP, 3,348 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	103,287.38	2,108.46
23 52 39 13-0057	EA	125 HP, 4,184 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	119,587.98	2,342.72
23 52 39 13-0058	EA	150 HP, 5,021 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	135,909.36	2,577.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0059	EA	175 HP, 5,858 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	149,071.76	2,840.55
23 52 39 13-0060	EA	200 HP, 6,695 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	162,228.55	3,104.12
23 52 39 13-0061	EA	250 HP, 8,369 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	171,015.06	3,631.23
23 52 39 13-0062	EA	300 HP, 10,043 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	208,058.19	4,158.34
23 52 39 13-0063	EA	350 HP, 11,716 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	225,183.84	4,685.46
23 52 39 13-0064	EA	400 HP, 13,390 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	265,226.83	5,212.57
23 52 39 13-0065	EA	500 HP, 16,738 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	322,298.55	5,739.68
23 52 39 13-0066	EA	600 HP, 20,085 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	377,172.33	6,266.79
23 52 39 13-0067	EA	700 HP, 23,433 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	429,706.61	6,793.91
23 52 39 13-0068	EA	800 HP, 26,780 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	480,124.07	7,321.02
23 52 39 13-0069	EA	900 HP, 30,128 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	748,544.10	7,848.13
23 52 39 13-0070	EA	1,000 HP, 33,476 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	814,490.28	8,375.25
23 52 39 13-0071		**125 PSI Water Scotch Marine Boilers** *(23 52 39 13)* Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH gross rated output.		
23 52 39 13-0072		**125 PSI Gas Fired Water Scotch Marine Boilers** *(23 52 39 13-0071)*		
23 52 39 13-0073	EA	40 HP, 1,339 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	82,657.36	1,405.63
23 52 39 13-0074	EA	50 HP, 1,674 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	92,763.73	1,522.77
23 52 39 13-0075	EA	60 HP, 2,009 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	99,645.20	1,757.04
23 52 39 13-0076	EA	70 HP, 2,343 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	107,115.04	1,874.18
23 52 39 13-0077	EA	80 HP, 2,678 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	114,742.09	1,991.32
23 52 39 13-0078	EA	90 HP, 3,013 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	120,812.80	2,049.89
23 52 39 13-0079	EA	100 HP, 3,348 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	130,087.58	2,108.46
23 52 39 13-0080	EA	125 HP, 4,184 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	139,557.32	2,342.72
23 52 39 13-0081	EA	150 HP, 5,021 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	152,139.44	2,577.00
23 52 39 13-0082	EA	175 HP, 5,858 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	161,827.38	2,840.55
23 52 39 13-0083	EA	200 HP, 6,695 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	167,534.35	3,104.12
23 52 39 13-0084	EA	250 HP, 8,369 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	202,821.16	3,631.23
23 52 39 13-0085	EA	300 HP, 10,043 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	236,153.73	4,158.34
23 52 39 13-0086	EA	350 HP, 11,716 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	254,517.30	4,685.46
23 52 39 13-0087	EA	400 HP, 13,390 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	283,977.40	5,212.57
23 52 39 13-0088	EA	500 HP, 16,738 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	344,163.04	5,739.68
23 52 39 13-0089	EA	600 HP, 20,085 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	402,884.56	6,266.79
23 52 39 13-0090	EA	700 HP, 23,433 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	459,103.88	6,793.91
23 52 39 13-0091	EA	800 HP, 26,780 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	513,050.03	7,321.02
23 52 39 13-0092	EA	900 HP, 30,128 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	800,921.58	7,848.13
23 52 39 13-0093	EA	1,000 HP, 33,476 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	871,526.41	8,375.25
23 52 39 13-0094		**125 PSI Oil Fired Water Scotch Marine Boilers** *(23 52 39 13-0071)*		
23 52 39 13-0095	EA	40 HP, 1,339 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	76,557.13	1,405.63
23 52 39 13-0096	EA	50 HP, 1,674 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	85,897.78	1,522.77
23 52 39 13-0097	EA	60 HP, 2,009 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	96,253.70	1,757.04

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0098	EA	70 HP, 2,343 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	103,008.87	1,874.18
23 52 39 13-0099	EA	80 HP, 2,678 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	109,755.34	1,991.32
23 52 39 13-0100	EA	90 HP, 3,013 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	116,272.72	2,049.89
23 52 39 13-0101	EA	100 HP, 3,348 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	127,120.42	2,108.46
23 52 39 13-0102	EA	125 HP, 4,184 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	139,688.13	2,342.72
23 52 39 13-0103	EA	150 HP, 5,021 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	152,279.82	2,577.00
23 52 39 13-0104	EA	175 HP, 5,858 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	161,977.33	2,840.55
23 52 39 13-0105	EA	200 HP, 6,695 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	167,690.69	3,104.12
23 52 39 13-0106	EA	250 HP, 8,369 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	203,009.40	3,631.23
23 52 39 13-0107	EA	300 HP, 10,043 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	236,373.88	4,158.34
23 52 39 13-0108	EA	350 HP, 11,716 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	254,753.39	4,685.46
23 52 39 13-0109	EA	400 HP, 13,390 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	284,242.21	5,212.57
23 52 39 13-0110	EA	500 HP, 16,738 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	344,485.28	5,739.68
23 52 39 13-0111	EA	600 HP, 20,085 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	403,264.23	6,266.79
23 52 39 13-0112	EA	700 HP, 23,433 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	459,537.79	6,793.91
23 52 39 13-0113	EA	800 HP, 26,780 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	513,534.99	7,321.02
23 52 39 13-0114	EA	900 HP, 30,128 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	801,690.35	7,848.13
23 52 39 13-0115	EA	1,000 HP, 33,476 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	872,364.23	8,375.25
23 52 39 13-0116		**125 PSI Gas/Oil Fired Water Scotch Marine Boilers** *(23 52 39 13-0071)*		
23 52 39 13-0117	EA	40 HP, 1,339 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	85,324.62	1,405.63
23 52 39 13-0118	EA	50 HP, 1,674 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	95,762.80	1,522.77
23 52 39 13-0119	EA	60 HP, 2,009 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	103,489.76	1,757.04
23 52 39 13-0120	EA	70 HP, 2,343 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	110,752.21	1,874.18
23 52 39 13-0121	EA	80 HP, 2,678 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	118,009.17	1,991.32
23 52 39 13-0122	EA	90 HP, 3,013 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	125,037.02	2,049.89
23 52 39 13-0123	EA	100 HP, 3,348 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	132,065.70	2,108.46
23 52 39 13-0124	EA	125 HP, 4,184 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	145,118.37	2,342.72
23 52 39 13-0125	EA	150 HP, 5,021 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	158,195.01	2,577.00
23 52 39 13-0126	EA	175 HP, 5,858 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	168,253.05	2,840.55
23 52 39 13-0127	EA	200 HP, 6,695 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	174,161.02	3,104.12
23 52 39 13-0128	EA	250 HP, 8,369 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	210,864.41	3,631.23
23 52 39 13-0129	EA	300 HP, 10,043 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	245,530.61	4,158.34
23 52 39 13-0130	EA	350 HP, 11,716 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	264,586.51	4,685.46
23 52 39 13-0131	EA	400 HP, 13,390 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	295,217.53	5,212.57
23 52 39 13-0132	EA	500 HP, 16,738 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	357,885.38	5,739.68
23 52 39 13-0133	EA	600 HP, 20,085 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	419,022.11	6,266.79
23 52 39 13-0134	EA	700 HP, 23,433 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	477,554.54	6,793.91
23 52 39 13-0135	EA	800 HP, 26,780 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	533,711.71	7,321.02
23 52 39 13-0136	EA	900 HP, 30,128 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	833,789.86	7,848.13
23 52 39 13-0137	EA	1,000 HP, 33,476 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	907,313.24	8,375.25

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0138		**150 PSI Steam Scotch Marine Boilers** *(23 52 39 13)* Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH gross rated output.		
23 52 39 13-0139		**150 PSI Gas Fired Steam Scotch Marine Boilers** *(23 52 39 13-0138)*		
23 52 39 13-0140	EA	40 HP, 1,339 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	96,000.03	1,405.63
23 52 39 13-0141	EA	50 HP, 1,674 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	104,271.87	1,522.77
23 52 39 13-0142	EA	60 HP, 2,009 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	108,728.56	1,757.04
23 52 39 13-0143	EA	70 HP, 2,343 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	113,885.28	1,874.18
23 52 39 13-0144	EA	80 HP, 2,678 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	119,176.89	1,991.32
23 52 39 13-0145	EA	90 HP, 3,013 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	122,861.10	2,049.89
23 52 39 13-0146	EA	100 HP, 3,348 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	129,771.73	2,108.46
23 52 39 13-0147	EA	125 HP, 4,184 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	146,783.81	2,342.72
23 52 39 13-0148	EA	150 HP, 5,021 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	166,901.88	2,577.00
23 52 39 13-0149	EA	175 HP, 5,858 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	183,050.59	2,840.55
23 52 39 13-0150	EA	200 HP, 6,695 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	199,196.87	3,104.12
23 52 39 13-0151	EA	250 HP, 8,369 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	209,629.69	3,631.23
23 52 39 13-0152	EA	300 HP, 10,043 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	255,293.54	4,158.34
23 52 39 13-0153	EA	350 HP, 11,716 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	276,103.49	4,685.46
23 52 39 13-0154	EA	400 HP, 13,390 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	325,530.47	5,212.57
23 52 39 13-0155	EA	500 HP, 16,738 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	396,171.38	5,739.68
23 52 39 13-0156	EA	600 HP, 20,085 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	464,046.45	6,266.79
23 52 39 13-0157	EA	700 HP, 23,433 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	529,033.26	6,793.91
23 52 39 13-0158	EA	800 HP, 26,780 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	591,370.43	7,321.02
23 52 39 13-0159	EA	900 HP, 30,128 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	925,508.00	7,848.13
23 52 39 13-0160	EA	1,000 HP, 33,476 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	1,007,179.40	8,375.25
23 52 39 13-0161		**150 PSI Oil Fired Steam Scotch Marine Boilers** *(23 52 39 13-0138)*		
23 52 39 13-0162	EA	40 HP, 1,339 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	88,843.74	1,405.63
23 52 39 13-0163	EA	50 HP, 1,674 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	96,496.62	1,522.77
23 52 39 13-0164	EA	60 HP, 2,009 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	105,005.24	1,757.04
23 52 39 13-0165	EA	70 HP, 2,343 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	109,498.34	1,874.18
23 52 39 13-0166	EA	80 HP, 2,678 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	113,982.76	1,991.32
23 52 39 13-0167	EA	90 HP, 3,013 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	118,238.06	2,049.89
23 52 39 13-0168	EA	100 HP, 3,348 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	126,810.94	2,108.46
23 52 39 13-0169	EA	125 HP, 4,184 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	146,921.00	2,342.72
23 52 39 13-0170	EA	150 HP, 5,021 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	167,058.21	2,577.00
23 52 39 13-0171	EA	175 HP, 5,858 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	183,222.87	2,840.55
23 52 39 13-0172	EA	200 HP, 6,695 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	199,385.11	3,104.12
23 52 39 13-0173	EA	250 HP, 8,369 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	209,824.31	3,631.23
23 52 39 13-0174	EA	300 HP, 10,043 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	255,532.83	4,158.34
23 52 39 13-0175	EA	350 HP, 11,716 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	276,361.92	4,685.46
23 52 39 13-0176	EA	400 HP, 13,390 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	325,836.76	5,212.57
23 52 39 13-0177	EA	500 HP, 16,738 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	396,544.67	5,739.68

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0178	EA	600 HP, 20,085 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	464,486.74	6,266.79
23 52 39 13-0179	EA	700 HP, 23,433 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	529,534.17	6,793.91
23 52 39 13-0180	EA	800 HP, 26,780 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	591,931.96	7,321.02
23 52 39 13-0181	EA	900 HP, 30,128 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	926,401.06	7,848.13
23 52 39 13-0182	EA	1,000 HP, 33,476 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	1,008,155.32	8,375.25
23 52 39 13-0183		150 PSI Gas/Oil Fired Steam Scotch Marine Boilers *(23 52 39 13-0138)*		
23 52 39 13-0184	EA	40 HP, 1,339 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	99,129.91	1,405.63
23 52 39 13-0185	EA	50 HP, 1,674 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	107,669.75	1,522.77
23 52 39 13-0186	EA	60 HP, 2,009 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	112,949.59	1,757.04
23 52 39 13-0187	EA	70 HP, 2,343 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	117,768.12	1,874.18
23 52 39 13-0188	EA	80 HP, 2,678 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	122,577.96	1,991.32
23 52 39 13-0189	EA	90 HP, 3,013 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	127,161.89	2,049.89
23 52 39 13-0190	EA	100 HP, 3,348 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	131,743.45	2,108.46
23 52 39 13-0191	EA	125 HP, 4,184 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	152,654.33	2,342.72
23 52 39 13-0192	EA	150 HP, 5,021 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	173,589.17	2,577.00
23 52 39 13-0193	EA	175 HP, 5,858 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	190,382.36	2,840.55
23 52 39 13-0194	EA	200 HP, 6,695 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	207,176.31	3,104.12
23 52 39 13-0195	EA	250 HP, 8,369 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	217,963.27	3,631.23
23 52 39 13-0196	EA	300 HP, 10,043 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	265,487.19	4,158.34
23 52 39 13-0197	EA	350 HP, 11,716 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	287,094.77	4,685.46
23 52 39 13-0198	EA	400 HP, 13,390 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	338,544.52	5,212.57
23 52 39 13-0199	EA	500 HP, 16,738 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	412,114.31	5,739.68
23 52 39 13-0200	EA	600 HP, 20,085 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	482,793.83	6,266.79
23 52 39 13-0201	EA	700 HP, 23,433 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	550,467.04	6,793.91
23 52 39 13-0202	EA	800 HP, 26,780 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	615,375.75	7,321.02
23 52 39 13-0203	EA	900 HP, 30,128 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	963,693.21	7,848.13
23 52 39 13-0204	EA	1,000 HP, 33,476 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	1,048,761.91	8,375.25
23 52 39 16		**Steel Fire-Tube Boilers** *(23 52 39)*		
23 52 39 16-0001		Boiler System *(23 52 39 16)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 16-0002	LS	Three (3) 435 HP, 15,009 LBS/HR), Natural Gas Fired Horizontal Fire-Tube Boiler (Fulton Model FB-S-475); One (1) Combination Deaerator-Surge Feedwater Tank; One (1) Fulton Model F-500 Blow-off Separator - System Quote 2021FEP-0379	1,653,516.13	27,525.68

Note: Includes material, delivery and installation for three (3) Fulton Model FB-S-475, 435 HP Fuel-Fired Steam Boiler: natural gas fired, modulated burner, fuel train built to CSD-1 standards, Siemens Linkage-less, 460/60/3 motor voltage - TEFC, 120/60/1control voltage through an incorporated step down transformer, complete with NEMA 1 control panel, and shall have an input of 17,760,418 BTUH with an output of 14,563,365 BTUH (15,009 lbs/hr). The Siemens LMV-52 Series Parallel Positioning control platform shall be employed. The forced draft fan blower motor shall be 40 HP and gas utility requirement shall be a minimum of 3.2 psig with a maximum drop of 5% (3" w.c.) and a maximum of 10 psig. The boiler is a horizontal, three-pass, wet-back firetube design. The boiler pressure vessel will be constructed to ASME Section I Boiler Code with a Design Pressure (MAWP) of 150 psig. The boiler will be trimmed at 150 psig and designed for an operating pressure of 125 psig. Boiler tubes shall be .118 wall and shall be seal-welded throughout. The pressure vessel warranty shall cover defects in material and workmanship for a period of 3 years (36 months) from the date of shipment of product, parts warranty shall be one year (12 months). Warranty provided by Fulton Steam Solutions, Pulaski, N.Y. and supported locally be Fulton Equipment Pacific. Includes one (1) Combination Deaerator-Surge Feedwater Tank: 45,000 lbs/hr Capacity Tray Type Horizontal Pressurized Deaerator (0.005 cc/liter), the deaerator section is constructed of carbon steel with 906 NET gallons of storage. The surge tank section is constructed of 304 stainless steel with 906 NET gallons of storage. The deaerator is designed for (3) three boilers operating at 125 psig, trimmed at 150 psig. The steam heating assembly is designed to raise 90 GPM of incoming water from 150°F to 227°F using 125 psig steam at the regulator, via a modulating make-up assembly. The deaerator is supplied with two (2) Gould Model 33SV4/1 pumps, each designed for 140 GPM at 155 psig discharge pressure, TEFC motor HP 20. The surge tank is supplied with two (2) Shipco Vertical DF transfer pumps, each designed for 90 GPM at 35 psig discharge pressure, TEFC motor HP 3. Pump voltage is 460/60/3 TEFC, with 120/60/1 control voltage through an incorporated step down transformer. Standard Combination DA-Surge Features and Trim: Tank diameter 66" x 144" long, Tank stand elevated 120" in height. Includes one (1) Fulton Model F-500 Blow-off Separator.

23 53 Heating Boiler Feedwater Equipment *(23 50)*

23 53 13 Boiler Feedwater Pumps *(23 53)*

See CSI section 23 53 16 00-0001 for boiler feedwater units.

23 53 16 Deaerators *(23 53)*

23 53 16 00-0001 Boiler Feed System *(23 53 16)*

23 53 16 00-0002 Low Pressure Boiler Feed System *(23 53 16 00-0001)*

Note: With deaerator includes pumps and accessories.

23 53 16 00-0003	EA	20 HP, 200 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	7,025.86	1,347.84
23 53 16 00-0004	EA	34 HP, 340 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	7,584.09	1,587.90
23 53 16 00-0005	EA	54 HP, 530 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	8,147.26	1,643.53
23 53 16 00-0006	EA	67 HP, 660 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	8,407.43	1,703.83
23 53 16 00-0007	EA	78 HP, 760 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	8,896.46	1,820.94
23 53 16 00-0008	EA	104 HP, 1,020 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	14,239.42	1,973.17
23 53 16 00-0009	EA	158 HP, 1,550 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	16,067.21	2,107.84
23 53 16 00-0010	EA	219 HP, 2,150 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	18,419.53	2,400.59
23 53 16 00-0011	EA	254 HP, 2,500 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	20,270.28	2,576.24
23 53 16 00-0012	EA	305 HP, 3,000 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	21,839.37	2,751.90

23 53 16 00-0013 High Pressure Boiler Feed System *(23 53 16 00-0001)*

Note: With deaerator includes pumps and accessories.

23 53 16 00-0014	EA	10 HP, 100 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	9,757.57	1,149.12
23 53 16 00-0015	EA	20 HP, 200 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	10,165.16	1,347.84
23 53 16 00-0016	EA	34 HP, 340 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	11,310.98	1,587.90
23 53 16 00-0017	EA	54 HP, 530 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	12,225.23	1,643.53
23 53 16 00-0018	EA	67 HP, 660 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	12,438.38	1,703.83
23 53 16 00-0019	EA	78 HP, 760 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	15,016.22	1,820.94
23 53 16 00-0020	EA	104 HP, 1,020 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	19,544.67	1,973.17
23 53 16 00-0021	EA	158 HP, 1,550 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	20,047.85	2,107.84
23 53 16 00-0022	EA	183 HP, 1,800 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	22,054.90	2,257.26
23 53 16 00-0023	EA	219 HP, 2,150 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	23,733.80	2,400.59
23 53 16 00-0024	EA	254 HP, 2,500 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	25,389.31	2,576.24
23 53 16 00-0025	EA	305 HP, 3,000 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	27,390.89	2,751.90

23 53 16 00-0026 Boiler Feedwater System *(23 53 16)*

Note: With deaerator includes pumps and accessories.

23 53 16 00-0027	EA	1,380 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	12,189.79	1,587.90
23 53 16 00-0028	EA	2,600 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	15,898.88	1,819.18
23 53 16 00-0029	EA	4,300 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	20,992.87	2,082.07
23 53 16 00-0030	EA	6,900 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	25,257.23	2,401.76
23 53 16 00-0031	EA	8,500 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	26,804.86	2,576.24
23 53 16 00-0032	EA	11,000 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	28,276.60	2,751.90
23 53 16 00-0033	EA	13,800 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	31,477.19	3,161.88
23 53 16 00-0034	EA	17,250 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	40,724.58	3,630.40
23 53 16 00-0035	EA	20,700 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	52,890.44	4,194.84
23 53 16 00-0036	EA	27,600 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	66,975.43	4,815.24
23 53 16 00-0037	EA	34,500 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	85,862.89	5,540.10
23 53 16 00-0038	EA	45,000 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	100,841.36	6,343.43

23 53 16 00-0039 Duplex Vacuum Condensate Pumps *(23 53 16)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 53 16 00-0040	EA	7 CFM, 15 GPM, 45 Gallon Duplex Vacuum Condensate Pump Note: Two 3/4 HP vacuum pumps rated for 7 CFM, two 3/4 HP condensate pumps rated for 15 GPM at 20 PSI and 45 GAL cast iron receiver. Skidmore JVC-7-45-102.	34,037.12	936.82
23 53 16 00-0041	EA	9 CFM, 30 GPM, 45 Gallon Duplex Vacuum Condensate Pump Note: Two 1 HP vacuum pumps rated for 9 CFM, two 3/4 HP condensate pumps rated for 30 GPM at 15 PSI and 45 GAL cast iron receiver. Skidmore JVC-9-45-201.5.	34,799.85	995.37
23 53 16 00-0042	EA	12 CFM, 45 GPM, 45 Gallon Duplex Vacuum Condensate Pump Note: Two 1-1/2 HP vacuum pumps rated for 12 CFM, two 1 HP condensate pumps rated for 45 GPM at 15 PSI and 45 GAL cast iron receiver. Skidmore JVC-12-45-301.5.	35,679.95	1,053.92
23 53 16 00-0043	EA	18 CFM, 37.5 GPM, 65 Gallon Duplex Vacuum Condensate Pump Note: Two 2 HP vacuum pumps rated for 18 CFM, two 1 HP condensate pumps rated for 37.5 GPM at 20 PSI and 65 GAL cast iron receiver. Skidmore JVC-18-65-252.	34,441.04	1,112.47
23 53 16 00-0044	EA	28 CFM, 60 GPM, 110 Gallon Duplex Vacuum Condensate Pump Note: Two 3 HP vacuum pumps rated for 28 CFM, two 1-1/2 HP condensate pumps rated for 60 GPM at 20 PSI and 110 GAL cast iron receiver. Skidmore JVC-28-110-402.	46,830.97	1,171.02
23 53 16 00-0045	EA	42 CFM, 75 GPM, 110 Gallon Duplex Vacuum Condensate Pump Note: Two 5 HP vacuum pumps rated for 42 CFM, two 2 HP condensate pumps rated for 75 GPM at 20 PSI and 110 GAL cast iron receiver. Skidmore JVC-42-110-502.	49,295.76	1,229.58

23 54 Furnaces *(23 50)*

Note: All units based on output. See CSI section 23 84 13 00-0000 for humidifiers.

23 54 13 Electric-Resistance Furnaces *(23 54)*

23 54 13 00-0001 Down Flow Multi-Speed Air Handler/Electric Furnace *(23 54 13)*

23 54 13 00-0002	EA	Up To 2 Ton Down Flow Multi-Speed Air Handler/Electric Furnace Note: Excludes cooling equipment.	1,215.97	117.52
23 54 13 00-0003	EA	>2 To 3.5 Ton Down Flow Multi-Speed Air Handler/Electric Furnace Note: Excludes cooling equipment.	1,604.88	146.90
23 54 13 00-0004	EA	>3.5 To 5 Ton Down Flow Multi-Speed Air Handler/Electric Furnace Note: Excludes cooling equipment.	2,073.69	176.29

23 54 13 00-0005 Up/Horizontal Flow Multi-Speed Air Handler/Electric Furnace *(23 54 13)*

23 54 13 00-0006	EA	Up To 2 Ton Up/Horizontal Flow Multi-Speed Air Handler/Electric Furnace Note: Excludes cooling equipment.	1,215.97	117.52
23 54 13 00-0007	EA	>2 To 2.5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace Note: Excludes cooling equipment.	1,452.87	132.21
23 54 13 00-0008	EA	>2.5 To 3 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace Note: Excludes cooling equipment.	1,588.23	146.90
23 54 13 00-0009	EA	>3 to 3.5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace Note: Excludes cooling equipment.	1,663.64	161.60
23 54 13 00-0010	EA	>3.5 To 5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace Note: Excludes cooling equipment.	2,073.69	176.29

23 54 13 00-0011 Heating Coil For Air Handler/Electric Furnace *(23 54 13)*

23 54 13 00-0012	EA	5 KW Heating Coil For Air Handler/Electric Furnace	217.82	31.57
23 54 13 00-0013	EA	7 KW Heating Coil For Air Handler/Electric Furnace	248.76	34.72
23 54 13 00-0014	EA	10 KW Heating Coil For Air Handler/Electric Furnace	269.71	37.88
23 54 13 00-0015	EA	15 KW Heating Coil For Air Handler/Electric Furnace	365.59	41.03
23 54 13 00-0016	EA	20 KW Heating Coil For Air Handler/Electric Furnace	394.86	44.19

23 54 16 Fuel-Fired Furnaces *(23 54)*

23 54 16 13 Gas-Fired Furnaces *(23 54 16)*

23 54 16 13-0001 Natural Gas Fired Forced Air Furnaces *(23 54 16 13)*

Note: Excludes flue, condenser, evaporator coil, piping, thermostat, ductwork and electrical connections.

23 54 16 13-0002 Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace *(23 54 16 13-0001)*

23 54 16 13-0003	EA	40 MBH, 800 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,896.43	102.83
23 54 16 13-0004	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,021.78	117.52
23 54 16 13-0005	EA	80 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,331.94	132.21
23 54 16 13-0006	EA	100 MBH. 1,600 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,727.51	161.60
23 54 16 13-0007	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,911.14	176.29

23 54 16 13-0008 Up/Horizontal Flow Variable Speed, Two Stage 95% AFUE Gas Furnace *(23 54 16 13-0001)*

23 54 16 13-0009	EA	40 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,109.52	102.83
23 54 16 13-0010	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,311.47	117.52
23 54 16 13-0011	EA	80 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,453.09	132.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 54 16 13-0012	EA	80 MBH, 1,600 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3.5 tons.	3,161.66	146.90
23 54 16 13-0013	EA	100 MBH, 2,000 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,895.66	161.60
23 54 16 13-0014	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	3,054.32	176.29
23 54 16 13-0015		**Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace** *(23 54 16 13-0001)*		
23 54 16 13-0016	EA	45 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,859.72	102.83
23 54 16 13-0017	EA	70 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,134.93	117.52
23 54 16 13-0018	EA	90 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,319.05	146.90
23 54 16 13-0019	EA	90 MBH, 2,000 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,477.71	161.60
23 54 16 13-0020		**Down Flow Variable Speed, Two Stage 93% AFUE Gas Furnace** *(23 54 16 13-0001)*		
23 54 16 13-0021	EA	40 MBH, 1,200 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,435.84	102.83
23 54 16 13-0022	EA	60 MBH, 1,200 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,567.87	117.52
23 54 16 13-0023	EA	80 MBH, 1,600 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,859.71	132.21
23 54 16 13-0024	EA	100 MBH, 2,000 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	3,127.08	161.60
23 54 16 13-0025	EA	120 MBH, 2,000 CFM Down Flow Variable Speed, Two Stage 93% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	3,352.33	176.29
23 54 16 13-0026		**Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace** *(23 54 16 13-0001)*		
23 54 16 13-0027	EA	40 MBH, 800 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,693.30	102.83
23 54 16 13-0028	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,787.03	117.52
23 54 16 13-0029	EA	80 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,993.97	132.21
23 54 16 13-0030	EA	80 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,010.61	132.21
23 54 16 13-0031	EA	80 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,194.25	146.90
23 54 16 13-0032	EA	100 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,314.61	161.60
23 54 16 13-0033	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,454.95	176.29
23 54 16 13-0034		**Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace** *(23 54 16 13-0001)*		
23 54 16 13-0035	EA	40 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,182.17	102.83
23 54 16 13-0036	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,294.22	117.52
23 54 16 13-0037	EA	60 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,479.51	132.21
23 54 16 13-0038	EA	80 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,481.18	132.21
23 54 16 13-0039	EA	80 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,626.52	146.90
23 54 16 13-0040	EA	100 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,671.96	161.60
23 54 16 13-0041	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,857.25	176.29
23 54 16 13-0042		**Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace** *(23 54 16 13-0001)*		
23 54 16 13-0043	EA	40 MBH, 1,200 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,198.82	102.83
23 54 16 13-0044	EA	60 MBH, 1,200 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,299.21	117.52
23 54 16 13-0045	EA	80 MBH, 1,600 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,554.43	132.21
23 54 16 13-0046	EA	100 MBH, 2,000 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,711.43	146.90
23 54 16 13-0047		**75% AFUE Gas Wall/Recessed Furnace** *(23 54 16 13-0001)*		
23 54 16 13-0048	EA	35 MBH 75% AFUE Electronic Ignition Gas Wall/Recessed Furnace	2,019.06	88.14
23 54 16 13-0049	EA	55 MBH 75% AFUE Electronic Ignition Gas Wall/Recessed Furnace	2,331.96	110.24
23 54 16 13-0050	EA	35 MBH 75% AFUE Gas Wall/Recessed Furnace	1,827.60	88.14

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 54 16 13-0051	EA	40 MBH 75% AFUE Gas Wall/Recessed Furnace	1,953.54	95.55
23 54 16 13-0052	EA	50 MBH 75% AFUE Gas Wall/Recessed Furnace	1,937.97	102.83
23 54 16 13-0053	EA	65 MBH 75% AFUE Gas Wall/Recessed Furnace	1,997.40	110.24
23 54 16 13-0054	EA	75 MBH 75% AFUE Gas Wall/Recessed Furnace	2,067.45	110.24

23 54 16 13-0055 Gas Fired Indoor Duct Furnace *(23 54 16 13-0001)*

Note: Includes burner, controls and electronic ignition.

23 54 16 13-0056 Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace *(23 54 16 13-0055)*

23 54 16 13-0057	EA	100 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	2,796.38	229.18
23 54 16 13-0058	EA	150 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	3,109.01	282.07
23 54 16 13-0059	EA	200 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	3,510.18	405.47
23 54 16 13-0060	EA	250 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	3,958.85	458.35
23 54 16 13-0061	EA	300 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	4,615.44	528.87
23 54 16 13-0062	EA	350 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	5,060.21	634.65
23 54 16 13-0063	EA	400 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	5,745.70	846.20

23 54 16 13-0064 Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace *(23 54 16 13-0055)*

Note: Includes burner, controls and electronic ignition.

23 54 16 13-0065	EA	100 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	3,138.15	229.18
23 54 16 13-0066	EA	150 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	3,445.67	282.07
23 54 16 13-0067	EA	200 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	3,972.67	405.47
23 54 16 13-0068	EA	250 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	4,504.65	458.35
23 54 16 13-0069	EA	300 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	5,557.42	528.87
23 54 16 13-0070	EA	350 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	6,082.11	634.65
23 54 16 13-0071	EA	400 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	6,711.47	846.20

23 54 16 13-0072 Natural Gas Fired Forced Air Furnaces *(23 54 16 13)*

Note: Excludes flue, condenser, evaporator coil, piping, ductwork and electrical connections.

23 54 16 13-0073 70% AFUE Gas Wall/Recessed Furnace *(23 54 16 13-0072)*

23 54 16 13-0074	EA	25 MBH 70% AFUE Gas Wall/Recessed Furnace (Williams 2509622A) Note: Includes millivolt thermostate (P322016)	1,578.08	235.06
		For 100 CFM, Automatic Blower Option (Williams 2901), Add	*318.60*	
		For 125 CFM, Automatic Blower Option (Williams 2907), Add	*376.17*	
		For Rear Outlet Register Option (Williams 6901), Add	*82.94*	
		For Starter Kit Option (Williams 9929), Add *Note: Includes a hold down plate, two spacer plates, a oval to round adapter, and two 4" oval pipes that are two feet in length.*	*389.30*	
		For Freestanding Installation Kit Option (Williams 4901), Add *Note: For single-sided furnaces to be surface mounted rather than recessed into the wall.*	*448.06*	
23 54 16 13-0075	EA	35 MBH 70% AFUE Gas Wall/Recessed Furnace (Williams 3509622A) Note: Includes millivolt thermostate (P322016)	1,692.52	254.64
		For 100 CFM, Automatic Blower Option (Williams 2901), Add	*318.60*	
		For 125 CFM, Automatic Blower Option (Williams 2907), Add	*376.17*	
		For Rear Outlet Register Option (Williams 6901), Add	*82.94*	
		For Starter Kit Option (Williams 9929), Add *Note: Includes a hold down plate, two spacer plates, a oval to round adapter, and two 4" oval pipes that are two feet in length.*	*389.30*	
		For Freestanding Installation Kit Option (Williams 4901), Add *Note: For single-sided furnaces to be surface mounted rather than recessed into the wall.*	*448.06*	
23 54 16 13-0076	EA	50 MBH 70% AFUE Gas Wall/Recessed Furnace (Williams 5009622A) Note: Includes millivolt thermostate (P322016)	2,181.25	274.23
		For 100 CFM, Automatic Blower Option (Williams 2901), Add	*318.60*	
		For 125 CFM, Automatic Blower Option (Williams 2907), Add	*376.17*	
		For Rear Outlet Register Option (Williams 6901), Add	*82.94*	
		For Starter Kit Option (Williams 9929), Add *Note: Includes a hold down plate, two spacer plates, a oval to round adapter, and two 4" oval pipes that are two feet in length.*	*389.30*	
		For Freestanding Installation Kit Option (Williams 4901), Add *Note: For single-sided furnaces to be surface mounted rather than recessed into the wall.*	*448.06*	

23 54 16 16 Oil-Fired Furnaces *(23 54 16)*

23 54 16 16-0001 Oil Fired Forced Air Furnaces *(23 54 16 16)*

Note: Excludes flue, condenser, evaporator coil, piping, thermostat, ductwork and electrical connections.

23 54 16 16-0002 Up Flow Single Speed, One Stage 81% AFUE Oil Furnace *(23 54 16 16-0001)*

23 54 16 16-0003	EA	72 MBH, 1,220 CFM Up Flow Single Speed, One Stage 84% AFUE Oil Furnace Note: Blower cooling capacity up to 3 tons.	3,253.81	117.52
23 54 16 16-0004	EA	95 MBH, 1,590 CFM Up Flow Single Speed, One Stage 83% AFUE Oil Furnace Note: Blower cooling capacity up to 4 tons.	3,466.72	161.60
23 54 16 16-0005	EA	126 MBH, 1,835 CFM Up Flow Single Speed, One Stage 83% AFUE Oil Furnace Note: Blower cooling capacity up to 5 tons.	4,002.13	190.99

23 54 16 16-0006 Down/Horizontal Flow Single Speed, One Stage 81% AFUE Oil Furnace *(23 54 16 16-0001)*

23 54 16 16-0007	EA	95 MBH, 1,210 CFM Down/Horizontal Flow Single Speed, One Stage 83% AFUE Oil Furnace Note: Blower cooling capacity up to 3 tons.	3,776.40	161.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 54 16 16-0008	EA	126 MBH, 2,005 CFM Down/Horizontal Flow Single Speed, One Stage 84% AFUE Oil Furnace Note: Blower cooling capacity up to 5 tons.	3,814.00	190.99
23 54 16 16-0009		Up Flow Lowboy Single Speed, One Stage 81% AFUE Oil Furnace *(23 54 16 16-0001)*		
23 54 16 16-0010	EA	95 MBH, 1,550 CFM Up Flow Lowboy Single Speed, One Stage 83% AFUE Oil Furnace Note: Blower cooling capacity up to 4 tons.	3,270.27	161.60
23 54 16 16-0011	EA	127 MBH, 2,130 CFM Up Flow Lowboy Single Speed, One Stage 83% AFUE Oil Furnace Note: Blower cooling capacity up to 5 tons.	3,882.26	190.99
23 54 19		**Furnace Accessories** *(23 54)*		
23 54 19 00-0001	EA	LP Gas Furnace Conversion Kit	210.54	29.38
23 54 19 00-0002	EA	1" Furnace External Filter Rack	64.51	
23 54 19 00-0003	EA	Removal And Reinstallation Of Forced Air Furnace Note: Includes storage and cleaning. Excludes ductwork.	544.11	
23 55		**Fuel-Fired Heaters** *(23 50)*		
23 55 23		**Gas-Fired Radiant Heaters** *(23 55)*		
23 55 23 13		**Low-Intensity Gas-Fired Radiant Heaters** *(23 55 23)*		
23 55 23 13-0001		Infrared Heaters-Radiant Energy *(23 55 23 13)* Note: For spot localized or total heating, ceiling hung units, no fan required.		
23 55 23 13-0002		Gas Fired Electric Ignition Infrared Gas Heater *(23 55 23 13-0001)* Note: Ceramic combustion, surface chromized wire screen aluminized steel housing and polished aluminum reflector.		
23 55 23 13-0003	EA	15,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan	997.10	117.10
23 55 23 13-0004	EA	37,500 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan	1,100.98	128.81
23 55 23 13-0005	EA	50,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan	1,177.89	128.81
23 55 23 13-0006	EA	75,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan	1,477.55	154.58
23 55 23 13-0007	EA	100,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan	1,490.51	154.58
23 55 23 13-0008		Rolled Steel Or Aluminum Housing Infrared Electric Heater *(23 55 23 13-0001)* Note: Anodized aluminum reflector and quartz/tungsten tubular element with an inner heavy-duty coiled element.		
23 55 23 13-0009	EA	1,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,125.67	129.28
		For Stainless Steel Housing, Add	*183.48*	
23 55 23 13-0010	EA	3,200 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,204.71	129.28
		For Stainless Steel Housing, Add	*203.24*	
23 55 23 13-0011	EA	5,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,295.04	129.28
		For Stainless Steel Housing, Add	*225.82*	
23 55 23 13-0012	EA	7,300 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,403.63	129.28
		For Stainless Steel Housing, Add	*252.97*	
23 55 23 13-0013	EA	10,950 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,533.00	141.03
		For Stainless Steel Housing, Add	*281.88*	
23 55 23 13-0014	EA	13,500 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,637.74	152.78
		For Stainless Steel Housing, Add	*303.56*	
23 55 23 13-0015	EA	24,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	2,638.86	164.54
		For Stainless Steel Housing, Add	*542.08*	
23 55 23 13-0016		Gas Fired Tubular Infrared Heater *(23 55 23 13-0001)* Note: Per Tube Length. Includes controls and supports.		
23 55 23 13-0017		"U" Package *(23 55 23 13-0016)*		
23 55 23 13-0018	LF	Up To 75 MBH Input Radiant Heater	93.43	5.85
23 55 23 13-0019	LF	76 To 105 MBH Input Radiant Heater	107.78	7.03
23 55 23 13-0020	LF	106 To 130 MBH Input Radiant Heater	131.80	8.20
23 55 23 13-0021		"S" Straight Package *(23 55 23 13-0016)*		
23 55 23 13-0022	LF	Up To 75 MBH Input Radiant Heater	75.91	4.68
23 55 23 13-0023	LF	76 To 105 MBH Input Radiant Heater	96.69	5.85
23 55 23 13-0024	LF	106 To 130 MBH Input Radiant Heater	117.44	7.03
23 55 33		**Fuel-Fired Unit Heaters** *(23 55)*		
23 55 33 00-0001		Oil-Fired Unit Heaters *(23 55 33)*		
23 55 33 00-0002		Oil Fired Unit Heater *(23 55 33 00-0001)*		
23 55 33 00-0003		Horizontal Fan Propelled Oil Fired Unit Heater, 115 Voltl, 1 phase *(23 55 33 00-0002)*		
23 55 33 00-0004	EA	97 MBH Output, 2,000 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	6,056.69	539.24
		For 3 Phase, 460 Volt, Add	*642.19*	
23 55 33 00-0005	EA	142 MBH Output, 3,200 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	6,505.80	593.17
		For 3 Phase, 460 Volt, Add	*686.23*	
23 55 33 00-0006	EA	188 MBH Output, 3,200 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	6,993.97	647.09
		For 3 Phase, 460 Volt, Add	*735.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 55 33 00-0007		**Gas-Fired Unit Heaters** *(23 55 33)*		
23 55 33 00-0008		**Removal And Reinstallation Of Unit Heaters** *(23 55 33 00-0007)* Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.		
23 55 33 00-0009	EA	Removal And Reinstallation Of Up To 101.3 MBH Output Gas or Oil Unit Heater	673.33	
23 55 33 00-0010	EA	Removal And Reinstallation Of >101.3 MBH Output Gas or Oil Unit Heater	907.54	
23 55 33 00-0011		**Gas Fired Unit Heaters** *(23 55 33 00-0007)*		
23 55 33 00-0012		**Horizontal Fan Propelled Natural Gas Fired Unit Heaters, 115 Vol, 1 phase** *(23 55 33 00-0011)* Note: 80 to 83 percent thermal efficiency, single stage, propeller unit, aluminum steel heat exchanger		
23 55 33 00-0013	EA	24.3 MBH Output, 30 MBH Input, 500 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	2,758.41	202.21
		For 90 Percent Efficiency, Add	*788.59*	
		For Stainless Steel Heat Exchanger, Add	*205.97*	
		For 30 Degree, Downward Air Deflection Hood, Add	*56.50*	
		For 60 Degree, Downward Air Deflection Hood, Add	*90.63*	
		For 90 Degree, Downward Air Deflection Hood, Add	*135.35*	
		For 3 Phase, 460 Volt, Add	*303.66*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 00-0014	EA	36.5 MBH Output, 45 MBH Input, 750 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	3,001.06	242.66
		For 90 Percent Efficiency, Add	*842.79*	
		For Stainless Steel Heat Exchanger, Add	*220.13*	
		For 30 Degree, Downward Air Deflection Hood, Add	*60.38*	
		For 60 Degree, Downward Air Deflection Hood, Add	*96.86*	
		For 90 Degree, Downward Air Deflection Hood, Add	*144.66*	
		For 3 Phase, 460 Volt, Add	*324.54*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 00-0015	EA	48.6 MBH Output, 60 MBH Input, 1,000 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	3,050.37	242.66
		For Blower Unit Model, Add	*243.68*	
		For 90 Percent Efficiency, Add	*859.31*	
		For Stainless Steel Heat Exchanger, Add	*224.45*	
		For 30 Degree, Downward Air Deflection Hood, Add	*61.56*	
		For 60 Degree, Downward Air Deflection Hood, Add	*98.76*	
		For 90 Degree, Downward Air Deflection Hood, Add	*147.49*	
		For 3 Phase, 460 Volt, Add	*330.90*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 00-0016	EA	60.8 MBH Output, 75 MBH Input, 1,250 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	3,316.76	283.10
		For Blower Unit Model, Add	*261.30*	
		For 90 Percent Efficiency, Add	*921.44*	
		For Stainless Steel Heat Exchanger, Add	*240.67*	
		For 30 Degree, Downward Air Deflection Hood, Add	*66.01*	
		For 60 Degree, Downward Air Deflection Hood, Add	*105.90*	
		For 90 Degree, Downward Air Deflection Hood, Add	*158.16*	
		For 3 Phase, 460 Volt, Add	*354.82*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 00-0017	EA	72.9 MBH Output, 90 MBH Input, 1,400 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	3,638.33	323.55
		For Blower Unit Model, Add	*284.17*	
		For 90 Percent Efficiency, Add	*1,002.08*	
		For Stainless Steel Heat Exchanger, Add	*261.74*	
		For 30 Degree, Downward Air Deflection Hood, Add	*71.79*	
		For 60 Degree, Downward Air Deflection Hood, Add	*115.16*	
		For 90 Degree, Downward Air Deflection Hood, Add	*172.00*	
		For 3 Phase, 460 Volt, Add	*385.88*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 00-0018	EA	81 MBH Output, 100 MBH Input, 1,600 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	3,907.65	343.77
		For Blower Unit Model, Add	*305.92*	
		For 90 Percent Efficiency, Add	*1,078.76*	
		For Stainless Steel Heat Exchanger, Add	*281.77*	
		For 30 Degree, Downward Air Deflection Hood, Add	*77.28*	
		For 60 Degree, Downward Air Deflection Hood, Add	*123.98*	
		For 90 Degree, Downward Air Deflection Hood, Add	*185.16*	
		For 3 Phase, 460 Volt, Add	*415.40*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 00-0019	EA	101.3 MBH Output, 125 MBH Input, 2,200 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	4,031.98	343.77
		For Blower Unit Model, Add	*317.73*	
		For 90 Percent Efficiency, Add	*1,120.41*	
		For Stainless Steel Heat Exchanger, Add	*292.64*	
		For 30 Degree, Downward Air Deflection Hood, Add	*80.27*	
		For 60 Degree, Downward Air Deflection Hood, Add	*128.76*	
		For 90 Degree, Downward Air Deflection Hood, Add	*192.31*	
		For 3 Phase, 460 Volt, Add	*431.44*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 00-0020	EA	121.5 MBH Output, 150 MBH Input, 2,400 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	4,145.51	343.77
		For Blower Unit Model, Add	*328.51*	
		For 90 Percent Efficiency, Add	*1,158.44*	
		For Stainless Steel Heat Exchanger, Add	*302.58*	
		For 30 Degree, Downward Air Deflection Hood, Add	*82.99*	
		For 60 Degree, Downward Air Deflection Hood, Add	*133.13*	
		For 90 Degree, Downward Air Deflection Hood, Add	*198.84*	
		For 3 Phase, 460 Volt, Add	*446.09*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 55 33 00-0021	EA	141.8 MBH Output, 175 MBH Input, 2,850 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	4,705.79	363.99
		For Blower Unit Model, Add	*377.90*	
		For 90 Percent Efficiency, Add	*1,332.59*	
		For Stainless Steel Heat Exchanger, Add	*348.06*	
		For 30 Degree, Downward Air Deflection Hood, Add	*95.47*	
		For 60 Degree, Downward Air Deflection Hood, Add	*153.15*	
		For 90 Degree, Downward Air Deflection Hood, Add	*228.73*	
		For 3 Phase, 460 Volt, Add	*513.15*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 00-0022	EA	162 MBH Output, 200 MBH Input, 3,200 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	5,191.18	363.99
		For Blower Unit Model, Add	*424.01*	
		For 90 Percent Efficiency, Add	*1,495.19*	
		For Stainless Steel Heat Exchanger, Add	*390.54*	
		For 30 Degree, Downward Air Deflection Hood, Add	*107.12*	
		For 60 Degree, Downward Air Deflection Hood, Add	*171.84*	
		For 90 Degree, Downward Air Deflection Hood, Add	*256.64*	
		For 3 Phase, 460 Volt, Add	*575.76*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 00-0023	EA	202.5 MBH Output, 250 MBH Input, 3,450 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	5,593.70	363.99
		For Blower Unit Model, Add	*462.25*	
		For 90 Percent Efficiency, Add	*1,630.04*	
		For Stainless Steel Heat Exchanger, Add	*425.76*	
		For 30 Degree, Downward Air Deflection Hood, Add	*116.78*	
		For 60 Degree, Downward Air Deflection Hood, Add	*187.33*	
		For 90 Degree, Downward Air Deflection Hood, Add	*279.78*	
		For 3 Phase, 460 Volt, Add	*627.69*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 00-0024	EA	243 MBH Output, 300 MBH Input, 5,000 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	6,712.61	404.44
		For Blower Unit Model, Add	*560.85*	
		For 90 Percent Efficiency, Add	*1,977.73*	
		For Stainless Steel Heat Exchanger, Add	*516.57*	
		For 30 Degree, Downward Air Deflection Hood, Add	*141.69*	
		For 60 Degree, Downward Air Deflection Hood, Add	*227.29*	
		For 90 Degree, Downward Air Deflection Hood, Add	*339.46*	
		For 3 Phase, 460 Volt, Add	*761.57*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 00-0025	EA	283.5 MBH Output, 350 MBH Input, 5,600 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	7,624.20	404.44
		For Blower Unit Model, Add	*647.45*	
		For 90 Percent Efficiency, Add	*2,283.11*	
		For Stainless Steel Heat Exchanger, Add	*596.33*	
		For 30 Degree, Downward Air Deflection Hood, Add	*163.57*	
		For 60 Degree, Downward Air Deflection Hood, Add	*262.39*	
		For 90 Degree, Downward Air Deflection Hood, Add	*391.88*	
		For 3 Phase, 460 Volt, Add	*879.17*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 00-0026	EA	324 MBH Output, 400 MBH Input, 5,800 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	8,170.68	444.88
		For Blower Unit Model, Add	*691.69*	
		For 90 Percent Efficiency, Add	*2,439.11*	
		For Stainless Steel Heat Exchanger, Add	*637.08*	
		For 30 Degree, Downward Air Deflection Hood, Add	*174.74*	
		For 60 Degree, Downward Air Deflection Hood, Add	*280.32*	
		For 90 Degree, Downward Air Deflection Hood, Add	*418.65*	
		For 3 Phase, 460 Volt, Add	*939.24*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	

23 57 Heat Exchangers for HVAC *(23 50)*

23 57 13 Steam-To-Steam Heat Exchangers *(23 57)*

23 57 13 00-0001 Steam Generator Heat Exchanger *(23 57 13)*

Note: 35 PSI generated steam using 180 degree feed water; 400 degree F water to valve.

23 57 13 00-0002	EA	75 Lb./Hour Steam Generator Heat Exchanger, 35 PSI	22,474.67	1,873.63
23 57 13 00-0003	EA	300 Lb./Hour Steam Generator Heat Exchanger, 35 PSI	30,421.59	1,990.74
23 57 13 00-0004	EA	525 Lb./Hour Steam Generator Heat Exchanger, 35 PSI	41,066.95	2,478.54

23 57 16 Steam-To-Water Heat Exchangers *(23 57)*

23 57 16 00-0001 Heat Exchanger, Hot Water 40 To 180 Degree By Steam 10 PSI *(23 57 16)*

Note: Cast iron head steel shell 4 pass 3/4" outside diameter copper tubes. Excludes controls expansion tank and accessories.

23 57 16 00-0002	EA	8 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	2,620.25	292.76
		For Bronze Head And Tube Sheet, Add	*1,003.46*	
		For Copper Nickel Tubes, Add	*222.99*	
		For Double Wall Tube Bundles, Add	*334.49*	
23 57 16 00-0003	EA	10 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	3,845.13	292.76
		For Bronze Head And Tube Sheet, Add	*1,519.52*	
		For Copper Nickel Tubes, Add	*337.67*	
		For Double Wall Tube Bundles, Add	*506.51*	
23 57 16 00-0004	EA	40 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	5,809.87	409.86
		For Bronze Head And Tube Sheet, Add	*2,350.96*	
		For Copper Nickel Tubes, Add	*522.44*	
		For Double Wall Tube Bundles, Add	*783.65*	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 57 16 00-0005	EA	64 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	9,134.99	409.86
		For Bronze Head And Tube Sheet, Add	*3,583.79*	
		For Copper Nickel Tubes, Add	*796.40*	
		For Double Wall Tube Bundles, Add	*1,194.60*	
23 57 16 00-0006	EA	96 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	12,039.92	482.47
		For Bronze Head And Tube Sheet, Add	*4,759.27*	
		For Copper Nickel Tubes, Add	*1,057.62*	
		For Double Wall Tube Bundles, Add	*1,586.42*	
23 57 16 00-0007	EA	120 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	15,840.06	614.45
		For Bronze Head And Tube Sheet, Add	*6,250.12*	
		For Copper Nickel Tubes, Add	*1,388.92*	
		For Double Wall Tube Bundles, Add	*2,083.37*	
23 57 16 00-0008	EA	168 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	19,547.21	922.25
		For Bronze Head And Tube Sheet, Add	*7,654.97*	
		For Copper Nickel Tubes, Add	*1,701.10*	
		For Double Wall Tube Bundles, Add	*2,551.66*	
23 57 16 00-0009	EA	240 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	29,674.31	922.25
		For Bronze Head And Tube Sheet, Add	*11,926.84*	
		For Copper Nickel Tubes, Add	*2,650.41*	
		For Double Wall Tube Bundles, Add	*3,975.61*	

23 57 19 Liquid-To-Liquid Heat Exchangers *(23 57)*

23 57 19 13 Plate-Type, Liquid-To-Liquid Heat Exchangers *(23 57 19)*

23 57 19 13-0001 Plate And Frame Heat Exchanger *(23 57 19 13)*

23 57 19 13-0002	EA	8" W x 18-7/8"H Plate And Frame Heat Exchanger	4,135.00	292.76
23 57 19 13-0003	EA	8" W x 24-9/16"H Plate And Frame Heat Exchanger	5,520.17	292.76
23 57 19 13-0004	EA	11-3/16" W x 34-11/16"H Plate And Frame Heat Exchanger	7,368.67	351.31
23 57 19 13-0005	EA	16-3/4" W x 46-1/4"H Plate And Frame Heat Exchanger	10,024.50	380.59
23 57 19 13-0006	EA	16-1/2" W x 49-5/8"H Plate And Frame Heat Exchanger	10,976.81	380.59
23 57 19 13-0007	EA	24" W x 57-11/16"H Plate And Frame Heat Exchanger	14,325.20	409.86
23 57 19 13-0008	EA	26-5/16" W x 56-5/8"H Plate And Frame Heat Exchanger	15,104.36	409.86
23 57 19 13-0009	EA	24-1/4" W x 68-3/8"H Plate And Frame Heat Exchanger	18,684.29	468.41
23 57 19 13-0010	EA	24" W x 69-11/16"H Plate And Frame Heat Exchanger	22,870.24	526.96
23 57 19 13-0011	EA	26-5/16" W x 68-3/4"H Plate And Frame Heat Exchanger	23,735.97	526.96
23 57 19 13-0012	EA	24" W x 89-13/16"H Plate And Frame Heat Exchanger	29,404.32	622.51
23 57 19 13-0013	EA	26-5/16" W x 88-9/16"H Plate And Frame Heat Exchanger	35,504.50	684.65
23 57 19 13-0014	EA	40-13/16" W x 89-1/4"H Plate And Frame Heat Exchanger	40,998.52	746.79

23 57 19 19 Copper Tube, Water-To-Water Heat Exchanger *(23 57 19)*

23 57 19 19-0001 Heat Exchanger Hot Water 40-140 Degree By Water At 200 Degree F *(23 57 19 19)*

Note: Cast iron head steel shell 4 pass 3/4" outside diameter copper tubes.

23 57 19 19-0002	EA	7 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	3,129.95	292.76
		For Copper Nickel Tubes, Add	*273.96*	
		For Double Wall Tube Bundles, Add	*410.94*	
23 57 19 19-0003	EA	16 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	4,354.83	292.76
		For Copper Nickel Tubes, Add	*388.64*	
		For Double Wall Tube Bundles, Add	*582.96*	
23 57 19 19-0004	EA	34 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	6,510.70	409.86
		For Copper Nickel Tubes, Add	*592.52*	
		For Double Wall Tube Bundles, Add	*888.78*	
23 57 19 19-0005	EA	55 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	9,318.05	409.86
		For Copper Nickel Tubes, Add	*853.74*	
		For Double Wall Tube Bundles, Add	*1,280.61*	
23 57 19 19-0006	EA	74 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	11,530.72	468.41
		For Copper Nickel Tubes, Add	*1,051.24*	
		For Double Wall Tube Bundles, Add	*1,576.87*	
23 57 19 19-0007	EA	86 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	15,376.67	468.41
		For Copper Nickel Tubes, Add	*1,414.40*	
		For Double Wall Tube Bundles, Add	*2,121.60*	
23 57 19 19-0008	EA	112 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	19,076.31	461.12
		For Copper Nickel Tubes, Add	*1,758.44*	
		For Double Wall Tube Bundles, Add	*2,637.67*	
23 57 19 19-0009	EA	126 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	23,728.40	461.12
		For Copper Nickel Tubes, Add	*2,191.68*	
		For Double Wall Tube Bundles, Add	*3,287.53*	
23 57 19 19-0010	EA	152 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	30,338.79	461.12
		For Copper Nickel Tubes, Add	*2,803.32*	
		For Double Wall Tube Bundles, Add	*4,204.98*	

23 57 19 23 Refrigerant-To-Water Heat Exchanger *(23 57 19)*

23 57 19 23-0001 Heat Exchanger Refrigerant To Water *(23 57 19 23)*

23 57 19 23-0002	EA	10 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	3,535.10	234.21
		For Copper Nickel Tubes, Add	*306.67*	
		For Double Wall Tube Bundles, Add	*460.00*	
23 57 19 23-0003	EA	53 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	9,453.80	390.31
		For Copper Nickel Tubes, Add	*867.31*	
		For Double Wall Tube Bundles, Add	*1,300.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 57 19 23-0004	EA	70 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	12,741.40	509.16
		For Copper Nickel Tubes, Add	*1,172.49*	
		For Double Wall Tube Bundles, Add	*1,758.73*	
23 57 19 23-0005	EA	87 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	13,657.62	616.30
		For Copper Nickel Tubes, Add	*1,242.76*	
		For Double Wall Tube Bundles, Add	*1,864.13*	
23 57 19 23-0006	EA	105 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	16,482.58	732.38
		For Copper Nickel Tubes, Add	*1,499.42*	
		For Double Wall Tube Bundles, Add	*2,249.13*	

23 60 Central Cooling Equipment *(23)*

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0001 for terminations, 26 28 16 16-0001 for disconnect.

23 61 Refrigerant Compressors *(23 60)*

23 61 16 Reciprocating Refrigerant Compressors *(23 61)*

23 61 16 00-0001 Reciprocating Open Type Refrigerant Compressors *(23 61 16)*

Note: Includes manual reversible oil pump and automatic pressure regulator. Excludes muffler, vibration isolators, crank case oil heaters, couplings and flywheel.

23 61 16 00-0002	EA	1/4 Ton Refrigerant Compressor, Reciprocating Open Type	720.56	111.01
23 61 16 00-0003	EA	1/3 Ton Refrigerant Compressor, Reciprocating Open Type	858.08	111.01
23 61 16 00-0004	EA	1/2 Ton Refrigerant Compressor, Reciprocating Open Type	1,165.72	138.72
23 61 16 00-0005	EA	3/4 Ton Refrigerant Compressor, Reciprocating Open Type	1,449.36	138.72
23 61 16 00-0006	EA	1 Ton Refrigerant Compressor, Reciprocating Open Type	1,621.26	138.72
23 61 16 00-0007	EA	1-1/4 Ton Refrigerant Compressor, Reciprocating Open Type	1,642.38	144.33
23 61 16 00-0008	EA	1-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	1,652.41	144.33
23 61 16 00-0009	EA	1-3/4 Ton Refrigerant Compressor, Reciprocating Open Type	1,815.01	155.42
23 61 16 00-0010	EA	2 Ton Refrigerant Compressor, Reciprocating Open Type	1,951.83	166.53
23 61 16 00-0011	EA	2-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	2,128.73	177.63
23 61 16 00-0012	EA	3 Ton Refrigerant Compressor, Reciprocating Open Type	2,423.83	177.63
23 61 16 00-0013	EA	3-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	2,721.07	188.73
23 61 16 00-0014	EA	4 Ton Refrigerant Compressor, Reciprocating Open Type	2,777.68	199.83
23 61 16 00-0015	EA	4-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	2,823.13	205.34
23 61 16 00-0016	EA	5 Ton Refrigerant Compressor, Reciprocating Open Type	4,120.90	1,074.91
23 61 16 00-0017	EA	7.5 Ton Refrigerant Compressor, Reciprocating Open Type	6,260.95	1,228.41
23 61 16 00-0018	EA	10 Ton Refrigerant Compressor, Reciprocating Open Type	8,401.16	1,382.02
23 61 16 00-0019	EA	12.5 Ton Refrigerant Compressor, Reciprocating Open Type	11,141.01	1,497.09
23 61 16 00-0020	EA	15 Ton Refrigerant Compressor, Reciprocating Open Type	13,881.20	1,612.36
23 61 16 00-0021	EA	20 Ton Refrigerant Compressor, Reciprocating Open Type	16,657.44	1,934.83
23 61 16 00-0022	EA	25 Ton Refrigerant Compressor, Reciprocating Open Type	20,075.03	2,079.57
23 61 16 00-0023	EA	30 Ton Refrigerant Compressor, Reciprocating Open Type	23,356.72	2,198.68
23 61 16 00-0024	EA	50 Ton Refrigerant Compressor, Reciprocating Open Type	30,656.11	2,480.58
23 61 16 00-0025	EA	60 Ton Refrigerant Compressor, Reciprocating Open Type	36,197.74	2,545.64
23 61 16 00-0026	EA	70 Ton Refrigerant Compressor, Reciprocating Open Type	45,367.60	2,610.58
23 61 16 00-0027	EA	75 Ton Refrigerant Compressor, Reciprocating Open Type	47,658.08	2,643.17
23 61 16 00-0028	EA	80 Ton Refrigerant Compressor, Reciprocating Open Type	49,852.31	2,675.64
23 61 16 00-0029	EA	90 Ton Refrigerant Compressor, Reciprocating Open Type	53,958.92	2,740.60
23 61 16 00-0030	EA	100 Ton Refrigerant Compressor, Reciprocating Open Type	57,686.28	2,805.75
23 61 16 00-0031	EA	110 Ton Refrigerant Compressor, Reciprocating Open Type	61,812.48	3,239.88
23 61 16 00-0032	EA	120 Ton Refrigerant Compressor, Reciprocating Open Type	64,785.28	3,312.38
23 61 16 00-0033	EA	130 Ton Refrigerant Compressor, Reciprocating Open Type	67,334.06	3,354.55
23 61 16 00-0034	EA	140 Ton Refrigerant Compressor, Reciprocating Open Type	69,594.31	3,458.33
23 61 16 00-0035	EA	150 Ton Refrigerant Compressor, Reciprocating Open Type	71,427.76	3,530.84
23 61 16 00-0036	EA	175 Ton Refrigerant Compressor, Reciprocating Open Type	73,296.76	3,627.60
23 61 16 00-0037	EA	185 Ton Refrigerant Compressor, Reciprocating Open Type	75,078.06	3,666.60
23 61 16 00-0038	EA	200 Ton Refrigerant Compressor, Reciprocating Open Type	76,893.12	3,727.28
23 61 16 00-0039	EA	225 Ton Refrigerant Compressor, Reciprocating Open Type	79,008.16	3,978.65
23 61 16 00-0040	EA	250 Ton Refrigerant Compressor, Reciprocating Open Type	81,063.29	4,193.13

23 61 16 00-0041 Reciprocating Hermetic Type Refrigerant Compressors *(23 61 16)*

Note: Includes automatic reversible oil pump, suction and discharge shut-off valves, device for loading and unloading compressor cylinders and crank case oil heater. Excludes mufflers and vibration isolators.

23 61 16 00-0042 Reciprocating Hermetic Type Refrigerant Compressors <5 Tons *(23 61 16 00-0041)*

23 61 16 00-0043	EA	1/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,089.29	111.01
23 61 16 00-0044	EA	1/3 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,126.20	111.01
23 61 16 00-0045	EA	1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,218.62	138.72
23 61 16 00-0046	EA	3/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,255.51	138.72
23 61 16 00-0047	EA	1 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,273.96	138.72
23 61 16 00-0048	EA	1-1/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,314.58	144.33
23 61 16 00-0049	EA	1-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,355.18	144.33
23 61 16 00-0050	EA	1-3/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,454.87	155.42
23 61 16 00-0051	EA	2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,550.91	166.53
23 61 16 00-0052	EA	2-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,683.81	177.63
23 61 16 00-0053	EA	3 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,757.63	177.63
23 61 16 00-0054	EA	3-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,890.52	188.73
23 61 16 00-0055	EA	4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	2,244.89	199.83
23 61 16 00-0056	EA	4-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	2,458.94	205.34

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 61 16 00-0057		**Reciprocating Hermetic Type Refrigerant Compressors** *(23 61 16 00-0041)*		
23 61 16 00-0058	EA	5 Ton Refrigerant Compressor, Reciprocating Hermetic Type	3,092.95	552.81
23 61 16 00-0059	EA	10 Ton Refrigerant Compressor, Reciprocating Hermetic Type	5,886.63	691.01
23 61 16 00-0060	EA	15 Ton Refrigerant Compressor, Reciprocating Hermetic Type	9,830.86	841.25
23 61 16 00-0061	EA	20 Ton Refrigerant Compressor, Reciprocating Hermetic Type	12,523.32	967.41
23 61 16 00-0062	EA	25 Ton Refrigerant Compressor, Reciprocating Hermetic Type	13,830.77	1,074.91
23 61 16 00-0063	EA	30 Ton Refrigerant Compressor, Reciprocating Hermetic Type	15,334.21	1,209.27
23 61 16 00-0064	EA	35 Ton Refrigerant Compressor, Reciprocating Hermetic Type	19,834.27	1,382.02
23 61 16 00-0065	EA	40 Ton Refrigerant Compressor, Reciprocating Hermetic Type	25,511.35	1,382.02
23 61 16 00-0066	EA	50 Ton Refrigerant Compressor, Reciprocating Hermetic Type	31,509.28	1,612.36
23 61 16 00-0067	EA	60 Ton Refrigerant Compressor, Reciprocating Hermetic Type	35,474.15	1,727.53
23 61 16 00-0068	EA	70 Ton Refrigerant Compressor, Reciprocating Hermetic Type	37,481.42	1,810.43
23 61 16 00-0069	EA	75 Ton Refrigerant Compressor, Reciprocating Hermetic Type	38,531.94	1,899.86
23 61 16 00-0070	EA	80 Ton Refrigerant Compressor, Reciprocating Hermetic Type	39,626.10	1,907.23
23 61 16 00-0071	EA	90 Ton Refrigerant Compressor, Reciprocating Hermetic Type	41,624.59	1,996.98
23 61 16 00-0072	EA	100 Ton Refrigerant Compressor, Reciprocating Hermetic Type	43,643.19	2,079.57
23 61 19		**Scroll Refrigerant Compressors** *(23 61)*		
23 61 19 00-0001		Scroll Refrigerant Compressors *(23 61 19)*		
23 61 19 00-0002	EA	Up To 3 Ton Scroll Refrigerant Compressor	1,455.10	177.42
23 61 19 00-0003	EA	3.5 Ton Scroll Refrigerant Compressor	1,525.55	188.84
23 61 19 00-0004	EA	4 Ton Scroll Refrigerant Compressor	1,562.58	199.73
23 61 19 00-0005	EA	4.5 Ton Scroll Refrigerant Compressor	1,593.05	205.44
23 61 19 00-0006	EA	5 Ton Scroll Refrigerant Compressor	1,973.40	259.38
23 61 19 00-0007	EA	7.5 Ton Scroll Refrigerant Compressor	3,763.03	389.08
23 61 19 00-0008	EA	8.75 Ton Scroll Refrigerant Compressor	4,305.08	453.93
23 61 19 00-0009	EA	10 Ton Scroll Refrigerant Compressor	4,822.84	518.78
23 61 19 00-0010	EA	12 Ton Scroll Refrigerant Compressor	5,828.86	622.53
23 61 19 00-0011	EA	13.5 Ton Scroll Refrigerant Compressor	6,874.49	700.34
23 61 19 00-0012	EA	15 Ton Scroll Refrigerant Compressor	8,065.45	778.17
23 61 19 00-0013	EA	20 Ton Scroll Refrigerant Compressor	11,369.93	1,037.55
23 61 19 00-0014	EA	25 Ton Scroll Refrigerant Compressor	12,811.77	1,296.94
23 61 19 00-0015	EA	30 Ton Scroll Refrigerant Compressor	13,689.84	1,556.33
23 61 23		**Rotary-Screw Refrigerant Compressors** *(23 61)*		
23 61 23 00-0001		Rotary Screw Type Refrigerant Compressors *(23 61 23)*		
23 61 23 00-0002	EA	75 Ton Refrigerant Compressor, Rotary Screw Type	45,022.58	2,643.17
23 61 23 00-0003	EA	80 Ton Refrigerant Compressor, Rotary Screw Type	46,395.17	2,675.64
23 61 23 00-0004	EA	90 Ton Refrigerant Compressor, Rotary Screw Type	49,371.09	2,740.60
23 61 23 00-0005	EA	100 Ton Refrigerant Compressor, Rotary Screw Type	52,315.75	2,805.75
23 61 23 00-0006	EA	110 Ton Refrigerant Compressor, Rotary Screw Type	56,542.56	3,239.88
23 61 23 00-0007	EA	120 Ton Refrigerant Compressor, Rotary Screw Type	59,997.06	3,312.38
23 61 23 00-0008	EA	130 Ton Refrigerant Compressor, Rotary Screw Type	63,375.48	3,354.55
23 61 23 00-0009	EA	140 Ton Refrigerant Compressor, Rotary Screw Type	66,874.77	3,458.33
23 61 23 00-0010	EA	150 Ton Refrigerant Compressor, Rotary Screw Type	70,332.39	3,530.84
23 61 23 00-0011	EA	170 Ton Refrigerant Compressor, Rotary Screw Type	75,194.46	3,627.60
23 61 23 00-0012	EA	185 Ton Refrigerant Compressor, Rotary Screw Type	78,598.17	3,666.60
23 61 23 00-0013	EA	200 Ton Refrigerant Compressor, Rotary Screw Type	80,183.64	3,727.28
23 61 23 00-0014	EA	215 Ton Refrigerant Compressor, Rotary Screw Type	90,005.03	3,978.65
23 61 23 00-0015	EA	225 Ton Refrigerant Compressor, Rotary Screw Type	99,691.40	4,193.13
23 62		**Packaged Compressor and Condenser Units** *(23 60)*		
23 62 13		**Packaged Air-Cooled Refrigerant Compressor and Condenser Units** *(23 62)*		
23 62 13 00-0001		Combination Direct-Expansion Liquid Cooler And Compressors *(23 62 13)* Note: Shell and tube type. Chilled water temperature rise is 12 degree F. Rated by cooling capacity in tons. Includes power panel, factory wired and installed control panel, pressure and safety switches and gauges for oil pressure and high and low refrigerant pressure, flow switches, phase monitoring, sight glasses and filter dryers, start-up costs and equipment rigging. Units greater than 5 tons include dual compressors. Excludes motor starter, piping or power wiring.		
23 62 13 00-0002	EA	1 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	7,302.96	958.70
23 62 13 00-0003	EA	5 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	16,236.97	1,027.18
23 62 13 00-0004	EA	10 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	28,540.12	1,095.65
23 62 13 00-0005	EA	15 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	33,813.12	1,164.14
23 62 13 00-0006	EA	20 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	40,119.96	1,232.61
23 62 13 00-0007	EA	25 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	44,462.86	1,369.57
23 62 13 00-0008	EA	30 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	45,807.98	1,575.01
23 62 13 00-0009	EA	40 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	49,360.95	1,855.13
23 62 13 00-0010	EA	50 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	52,669.73	2,009.73
23 62 13 00-0011	EA	60 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	60,364.84	2,164.32
23 62 13 00-0012	EA	75 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	68,246.11	2,396.21
23 62 13 00-0013	EA	80 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	72,135.60	2,494.43
23 62 13 00-0014	EA	90 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	81,444.14	2,650.33
23 62 13 00-0015	EA	100 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	89,020.23	2,806.23

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 62 13 00-0016		**Direct-Expansion Liquid Cooler Shell And Tube Type** *(23 62 13)* Note: For built-up systems. Chilled water temperature rise is 12 degree F. Rated by cooling capacity in tons. Excludes compressors. Includes power panel, factory wired and installed control panel, pressure and safety switches and gauges for oil pressure and high and low refrigerant pressure, flow switches, phase monitoring, sight glasses and filter dryers, start-up costs and equipment rigging. Units greater than 5 tons include dual compressors. Excludes motor starter, piping or power wiring.		
23 62 13 00-0017	EA	1 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	6,969.09	958.70
23 62 13 00-0018	EA	5 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	14,336.66	1,027.18
23 62 13 00-0019	EA	10 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	22,392.36	1,095.65
23 62 13 00-0020	EA	15 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	24,185.42	1,164.14
23 62 13 00-0021	EA	20 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	25,978.48	1,232.61
23 62 13 00-0022	EA	25 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	30,793.16	1,369.57
23 62 13 00-0023	EA	30 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	34,943.74	1,575.01
23 62 13 00-0024	EA	40 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	44,889.67	1,855.13
23 62 13 00-0025	EA	50 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	50,345.36	2,009.73
23 62 13 00-0026	EA	60 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	54,491.82	2,164.32
23 62 13 00-0027	EA	75 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	62,661.82	2,396.21
23 62 13 00-0028	EA	80 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	66,374.19	2,494.43
23 62 13 00-0029	EA	90 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	72,809.24	2,650.33
23 62 13 00-0030	EA	100 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	83,027.65	2,806.23
23 62 13 00-0031		**Packaged Chiller With Remote Air-Cooled Condenser** *(23 62 13)* Note: With remote air-cooled condenser rated by cooling capacity, Units are factory assembled package type. Includes hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3 valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, vibration eliminators, phase monitoring for 3 phase units, start-up and equipment rigging. Units include dual compressors. Excludes piping and power wiring.		
23 62 13 00-0032	EA	15 Ton Packaged Chiller With Remote Air-Cooled Condensers	45,214.31	9,013.55
		For Gas Fired Engine Driven, Add	*7,691.51*	
23 62 13 00-0033	EA	20 Ton Packaged Chiller With Remote Air-Cooled Condensers	50,998.51	9,500.76
		For Gas Fired Engine Driven, Add	*8,775.31*	
23 62 13 00-0034	EA	25 Ton Packaged Chiller With Remote Air-Cooled Condensers	59,146.81	10,338.96
		For Gas Fired Engine Driven, Add	*10,279.29*	
23 62 13 00-0035	EA	30 Ton Packaged Chiller With Remote Air-Cooled Condensers	66,088.24	10,985.22
		For Gas Fired Engine Driven, Add	*11,570.69*	
23 62 13 00-0036	EA	40 Ton Packaged Chiller With Remote Air-Cooled Condensers	82,493.80	12,121.61
		For Gas Fired Engine Driven, Add	*14,681.43*	
23 62 13 00-0037	EA	50 Ton Packaged Chiller With Remote Air-Cooled Condensers	90,953.19	12,554.46
		For Gas Fired Engine Driven, Add	*16,308.40*	
23 62 13 00-0038	EA	60 Ton Packaged Chiller With Remote Air-Cooled Condensers	98,833.11	13,520.22
		For Gas Fired Engine Driven, Add	*17,739.60*	
23 62 13 00-0039	EA	70 Ton Packaged Chiller With Remote Air-Cooled Condensers	120,048.16	14,466.17
		For Gas Fired Engine Driven, Add	*21,813.69*	
23 62 13 00-0040	EA	75 Ton Packaged Chiller With Remote Air-Cooled Condensers	121,497.27	14,770.72
		For Gas Fired Engine Driven, Add	*22,084.94*	
23 62 13 00-0041	EA	80 Ton Packaged Chiller With Remote Air-Cooled Condensers	123,723.54	15,412.98
		For Gas Fired Engine Driven, Add	*22,433.92*	
23 62 13 00-0042	EA	90 Ton Packaged Chiller With Remote Air-Cooled Condensers	137,229.60	16,113.59
		For Gas Fired Engine Driven, Add	*25,030.09*	
23 62 13 00-0043	EA	100 Ton Packaged Chiller With Remote Air-Cooled Condensers	151,780.10	16,880.94
		For Gas Fired Engine Driven, Add	*27,825.15*	
23 62 13 00-0044	EA	110 Ton Packaged Chiller With Remote Air-Cooled Condensers	168,232.31	17,724.94
		For Gas Fired Engine Driven, Add	*30,989.05*	
23 62 13 00-0045	EA	120 Ton Packaged Chiller With Remote Air-Cooled Condensers	181,882.47	18,657.86
		For Gas Fired Engine Driven, Add	*33,579.22*	
23 62 13 00-0046	EA	140 Ton Packaged Chiller With Remote Air-Cooled Condensers	200,665.22	19,694.37
		For Gas Fired Engine Driven, Add	*37,180.36*	

23 62 23 Packaged Water-Cooled Refrigerant Compressor and Condenser Units *(23 62)*

23 62 23 00-0001		**Water Cooled Condensing Units** *(23 62 23)* Note: Includes compressor, condenser and motor, and equipment rigging. Excludes piping and power wiring.		
23 62 23 00-0002	EA	5 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	8,337.34	749.55
23 62 23 00-0003	EA	10 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	12,651.87	1,094.66
23 62 23 00-0004	EA	15 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	14,495.91	1,186.34
23 62 23 00-0005	EA	20 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	17,982.63	1,423.61
23 62 23 00-0006	EA	30 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	19,404.49	1,674.90
23 62 23 00-0007	EA	60 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	41,313.93	2,504.91
23 62 23 00-0008	EA	80 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	51,286.39	3,023.21
23 62 23 00-0009	EA	120 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	71,054.30	3,307.85

23 63 Refrigerant Condensers *(23 60)*

23 63 13 Air-Cooled Refrigerant Condensers *(23 63)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 63 13 00-0001		**Air-Cooled Condensing Units** *(23 63 13)* Note: Includes compressor(s), condenser, fan, motors, discharge/suction gauges, sight glass, fan cycling controls, standard oil hi/low safety control switches, standard controls and liquid line filter dryers, 14 SEER, 1 or 3 phase and equipment rigging. Higher SEER ratings can be obtained by oversizing evaporators. Includes 20' length of piping (liquid line and insulated suction line). Excludes additional piping and power wiring.		
23 63 13 00-0002	EA	1.5 Ton, 14 SEER, Air-Cooled Condensing Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.	2,506.52	382.15
		For >10 To 25, Deduct	*-58.00*	
		For >25 To 50, Deduct	*-96.67*	
		For >50, Deduct	*-154.66*	
		For 15 SEER, Add	*463.99*	
		For 16 SEER, Add	*792.65*	
		For 18 SEER, Add	*1,662.64*	
23 63 13 00-0003	EA	2 Ton, 14 SEER, Air-Cooled Condensing Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.	2,693.39	424.82
		For >10 To 25, Deduct	*-61.69*	
		For >25 To 50, Deduct	*-102.82*	
		For >50, Deduct	*-164.52*	
		For 15 SEER, Add	*493.56*	
		For 16 SEER, Add	*843.16*	
		For 18 SEER, Add	*1,768.57*	
23 63 13 00-0004	EA	2.5 Ton, 14 SEER, Air-Cooled Condensing Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.	2,855.22	467.30
		For >10 To 25, Deduct	*-64.64*	
		For >25 To 50, Deduct	*-107.73*	
		For >50, Deduct	*-172.37*	
		For 15 SEER, Add	*517.11*	
		For 16 SEER, Add	*883.39*	
		For 18 SEER, Add	*1,852.96*	
23 63 13 00-0005	EA	3 Ton, 14 SEER, Air-Cooled Condensing Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.	3,284.27	509.53
		For >10 To 25, Deduct	*-75.60*	
		For >25 To 50, Deduct	*-126.00*	
		For >50, Deduct	*-201.60*	
		For 15 SEER, Add	*604.79*	
		For 16 SEER, Add	*1,033.19*	
		For 18 SEER, Add	*2,167.17*	
23 63 13 00-0006	EA	3.5 Ton, 14 SEER, Air-Cooled Condensing Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.	3,475.31	552.27
		For >10 To 25, Deduct	*-79.42*	
		For >25 To 50, Deduct	*-132.37*	
		For >50, Deduct	*-211.79*	
		For 15 SEER, Add	*635.36*	
		For 16 SEER, Add	*1,085.41*	
		For 18 SEER, Add	*2,276.70*	
23 63 13 00-0007	EA	4 Ton, 14 SEER, Air-Cooled Condensing Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.	3,877.23	594.75
		For >10 To 25, Deduct	*-89.57*	
		For >25 To 50, Deduct	*-149.28*	
		For >50, Deduct	*-238.84*	
		For 15 SEER, Add	*716.53*	
		For 16 SEER, Add	*1,224.08*	
		For 18 SEER, Add	*2,567.57*	
23 63 13 00-0008	EA	5 Ton, 14 SEER, Air-Cooled Condensing Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.	4,382.40	636.91
		For >10 To 25, Deduct	*-102.81*	
		For >25 To 50, Deduct	*-171.35*	
		For >50, Deduct	*-274.16*	
		For 15 SEER, Add	*822.49*	
		For 16 SEER, Add	*1,405.08*	
		For 18 SEER, Add	*2,947.25*	
23 63 13 00-0009		**Air-Cooled Condensing Units** *(23 63 13)* Note: Includes compressor(s), condenser, fan, motors, discharge/suction gauges, sight glass, fan cycling controls, standard oil hi/low safety control switches, standard controls and liquid line filter dryers and phase monitoring for 3 phase units and equipment rigging. Meets minimum ASHRAE EER requirements. Excludes piping and power wiring.		
23 63 13 00-0010	EA	6 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	7,112.14	749.55
		For >10 To 25, Deduct	*-179.31*	
		For >25 To 50, Deduct	*-298.84*	
		For >50, Deduct	*-478.15*	
		For Low Ambient Protection, 0 Degree F, Add	*1,060.81*	
		For Winter Start Control, Add	*352.60*	
23 63 13 00-0011	EA	7.5 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	8,520.37	889.76
		For >10 To 25, Deduct	*-215.17*	
		For >25 To 50, Deduct	*-358.61*	
		For >50, Deduct	*-573.78*	
		For Low Ambient Protection, 0 Degree F, Add	*910.81*	
		For Winter Start Control, Add	*278.26*	
23 63 13 00-0012	EA	10 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	11,093.87	1,094.66
		For >10 To 25, Deduct	*-283.04*	
		For >25 To 50, Deduct	*-471.73*	
		For >50, Deduct	*-754.77*	
		For Low Ambient Protection, 0 Degree F, Add	*1,075.23*	
		For Winter Start Control, Add	*354.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 63 13 00-0013	EA	12.5 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	13,783.66	1,138.89
		For >10 To 25, Deduct	*-361.74*	
		For >25 To 50, Deduct	*-602.90*	
		For >50, Deduct	*-964.65*	
		For Low Ambient Protection, 0 Degree F, Add	*1,275.46*	
		For Winter Start Control, Add	*413.72*	
23 63 13 00-0014	EA	15 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	16,478.97	1,186.34
		For >10 To 25, Deduct	*-440.44*	
		For >25 To 50, Deduct	*-734.07*	
		For >50, Deduct	*-1,174.52*	
		For Low Ambient Protection, 0 Degree F, Add	*1,330.26*	
		For Winter Start Control, Add	*326.56*	
23 63 13 00-0015	EA	20 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	21,266.98	1,423.61
		For >10 To 25, Deduct	*-573.30*	
		For >25 To 50, Deduct	*-955.50*	
		For >50, Deduct	*-1,528.80*	
		For Low Ambient Protection, 0 Degree F, Add	*1,685.85*	
		For Winter Start Control, Add	*406.80*	
23 63 13 00-0016	EA	25 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	24,220.22	1,531.46
		For >10 To 25, Deduct	*-657.06*	
		For >25 To 50, Deduct	*-1,095.09*	
		For >50, Deduct	*-1,752.15*	
		For Low Ambient Protection, 0 Degree F, Add	*1,784.19*	
		For Winter Start Control, Add	*450.85*	
23 63 13 00-0017	EA	30 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	27,800.69	1,671.66
		For >10 To 25, Deduct	*-758.14*	
		For >25 To 50, Deduct	*-1,263.57*	
		For >50, Deduct	*-2,021.71*	
		For Low Ambient Protection, 0 Degree F, Add	*1,895.89*	
		For Winter Start Control, Add	*505.64*	
23 63 13 00-0018	EA	40 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	38,332.53	1,992.55
		For >10 To 25, Deduct	*-1,057.79*	
		For >25 To 50, Deduct	*-1,762.98*	
		For >50, Deduct	*-2,820.77*	
		For Low Ambient Protection, 0 Degree F, Add	*2,531.21*	
		For Winter Start Control, Add	*659.89*	
23 63 13 00-0019	EA	50 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	46,523.61	2,504.91
		For >10 To 25, Deduct	*-1,279.82*	
		For >25 To 50, Deduct	*-2,133.03*	
		For >50, Deduct	*-3,412.84*	
		For Low Ambient Protection, 0 Degree F, Add	*2,672.19*	
		For Winter Start Control, Add	*599.61*	
23 63 13 00-0020	EA	60 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	53,654.17	2,764.65
		For >10 To 25, Deduct	*-1,485.09*	
		For >25 To 50, Deduct	*-2,475.15*	
		For >50, Deduct	*-3,960.24*	
		For Low Ambient Protection, 0 Degree F, Add	*3,017.90*	
		For Winter Start Control, Add	*662.63*	
23 63 13 00-0021	EA	80 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	69,645.95	3,023.21
		For >10 To 25, Deduct	*-1,949.51*	
		For >25 To 50, Deduct	*-3,249.18*	
		For >50, Deduct	*-5,198.69*	
		For Low Ambient Protection, 0 Degree F, Add	*3,764.93*	
		For Winter Start Control, Add	*791.15*	
23 63 13 00-0022	EA	100 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	96,277.68	2,722.07
		For >10 To 25, Deduct	*-2,722.09*	
		For >25 To 50, Deduct	*-4,536.82*	
		For >50, Deduct	*-7,258.91*	
		For Low Ambient Protection, 0 Degree F, Add	*4,107.42*	
		For Winter Start Control, Add	*1,007.81*	
23 63 13 00-0023	EA	120 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	118,848.75	2,814.35
		For >10 To 25, Deduct	*-3,393.59*	
		For >25 To 50, Deduct	*-5,655.98*	
		For >50, Deduct	*-9,049.57*	
		For Low Ambient Protection, 0 Degree F, Add	*4,825.88*	

23 63 13 00-0024 Removal And Reinstallation Of AC Condensing Unit *(23 63 13)*

Note: Includes storage and cleaning.

23 63 13 00-0025	EA	Removal And Reinstallation Of Up To 5 Tons Air-Cooled Condensing Unit	391.76	
23 63 13 00-0026	EA	Removal And Reinstallation Of 7.5 To 15 Tons Air-Cooled Condensing Unit	1,469.09	
23 63 13 00-0027	EA	Removal And Reinstallation Of 20 To 40 Tons Air-Cooled Condensing Unit	2,265.74	

23 63 13 00-0028 Variable Refrigerant, Heat Recovery, Combination Air Cooled Condensing Units (Carrier) *(23 63 13)*

Note: Review The Complete Description, Notes And Specifications To Determine The Exact Material And Accessories To Be Ordered. Starters For All Motors Shall Be Provided Integral With Unit. Disconnect Switch Provided By Division 26 Contractor. Excludes piping and power wiring.

23 63 13 00-0029	EA	222 MBH Cooling, 243 MBH Heating, Condensing Unit, System (Carrier MMY-AP2166FT9P) Note: System includes: Toshiba-Carrier Heat Recovery, 10 Ton, 208/230-3-60 (Carrier MMY-MAP1206FT9P-UL), Toshiba-Carrier Heat Recovery, 8 Ton, 208/230-3-60 (Carrier MMY-MAP0966FT9P-UL), and T-shaped branching joints (Twin 2 Units) (Carrier RBM-BT14FUL)	26,983.44	1,592.93
23 63 13 00-0030	EA	8 Ton, Variable Refrigerant Flow Heat Recovery Outdoor Unit (Carrier MMY-MAP09666FT9P-UL)	12,180.07	954.91
23 63 13 00-0031	EA	10 Ton, Variable Refrigerant Flow Heat Recovery Outdoor Unit (Carrier MMY-MAP1206FT9P-UL)	13,778.16	1,145.89

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 63 33		**Evaporative Refrigerant Condensers** *(23 63)*		
23 63 33 00-0001		Copper Coil Evaporative Refrigerant Condensers *(23 63 33)* Note: Includes galvanized steel base construction, condenser, fan, motors, standard controls and equipment rigging. Excludes piping and power wiring.		
23 63 33 00-0002	EA	10 Ton Evaporative Refrigerant Condensers	19,871.74	2,539.71
23 63 33 00-0003	EA	15 Ton Evaporative Refrigerant Condensers	20,715.37	2,647.56
23 63 33 00-0004	EA	20 Ton Evaporative Refrigerant Condensers	21,777.85	2,755.40
23 63 33 00-0005	EA	25 Ton Evaporative Refrigerant Condensers	22,195.12	2,841.69
23 63 33 00-0006	EA	30 Ton Evaporative Refrigerant Condensers	23,358.30	2,971.10
23 63 33 00-0007		Evaporative Cooling Module *(23 63 33)* Note: Includes Stainless steel evaporator cooler cabinet, 12" rigid cellulose media, electric fill and drain, evaporator cooler recirculation system, support base and legs and equipment rigging. Excludes piping and power wiring.		
23 63 33 00-0008	EA	4,110 Maximum CFM, 1/70 HP, 115 Volt, 1 Phase, Evaporative Cooling Module (Reznor REC-40) Note: Includes stainless steel evaporator cooler cabinet, 12" rigid cellulose media, electric fill and drain, evaporator cooler recirculation system, support base and legs.	5,909.01	362.37
23 63 33 00-0009	EA	5,060 Maximum CFM, 1/70 HP, 115 Volt, 1 Phase, Evaporative Cooling Module (Reznor REC-50) Note: Includes stainless steel evaporator cooler cabinet, 12" rigid cellulose media, electric fill and drain, evaporator cooler recirculation system, support base and legs.	6,589.99	388.26
23 63 33 00-0010	EA	5,860 Maximum CFM, 1/70 HP, 115 Volt, 1 Phase, Evaporative Cooling Module (Reznor REC-60) Note: Includes stainless steel evaporator cooler cabinet, 12" rigid cellulose media, electric fill and drain, evaporator cooler recirculation system, support base and legs.	7,614.95	447.57
23 63 33 00-0011	EA	7,125 Maximum CFM, 1/70 HP, 115 Volt, 1 Phase, Evaporative Cooling Module (Reznor REC-70) Note: Includes stainless steel evaporator cooler cabinet, 12" rigid cellulose media, electric fill and drain, evaporator cooler recirculation system, support base and legs.	9,222.65	523.07
23 63 33 00-0012	EA	8,075 Maximum CFM, 1/70 HP, 115 Volt, 1 Phase, Evaporative Cooling Module (Reznor REC-80) Note: Includes stainless steel evaporator cooler cabinet, 12" rigid cellulose media, electric fill and drain, evaporator cooler recirculation system, support base and legs.	10,591.19	641.70
23 63 33 00-0013	EA	17,730 Maximum CFM, 1/50 HP, 115 Volt, 1 Phase, Evaporative Cooling Module (Reznor REC-180) Note: Includes stainless steel evaporator cooler cabinet, 12" rigid cellulose media, electric fill and drain, evaporator cooler recirculation system, support base and legs.	14,270.10	949.07
23 64		**Packaged Water Chillers** *(23 60)* See CSI section 26 29 23 00-0000 for variable frequency motor controllers.		
23 64 13		**Absorption Water Chillers** *(23 64)*		
23 64 13 13		**Direct-Fired Abosrption Water Chillers** *(23 64 13)*		
23 64 13 13-0001		Packaged, Direct-Fired, Water Cooled Absorption Chillers *(23 64 13 13)*		
23 64 13 13-0002	EA	1,600 Ton Packaged, Direct Fired, Water Cooled Absorption Chiller (Shuangliang DF-1653J) Note: Includes: material, delivery and installation. - 316 SS Refrigerant Drip Plates (vs. spray nozzles in other products) - 316 SS Water Tubes - Tube-in-Shell Intermediate Heat Exchangers vs. Plate Heat Exchangers in all other manufacturers absorption chillers - Crystallization Optimization Curves built into the Control System with Real Time monitoring to virtually eliminate crystallization. - Redundant pump system for solution and refrigerant pumps - Pump Isolation valves for expedient replacement - Zero Tolerance Guaranteed performance if Factory Acceptance Tested (factory test is optional for additional charge) - Shuangliang Eco-Energy guarantees quality within 18-months after leaving factory or within 12-months after the unit is commissioned, whichever comes first. - 5-year consumable parts included - 4-year extended parts and labor warranty included	1,977,363.70	28,034.42
23 64 13 16		**Indirect-Fired Absorption Water Chillers** *(23 64 13)*		
23 64 13 16-0001		Packaged, Steam Driven, Water Cooled Absorption Chillers *(23 64 13 16)* Note: Includes refrigerant monitor with scanner, audible alarm, and lights, 460 voltage motor rating, and all accessories, controls (water temperature controller with PE switches, flow switch, etc.) factory wired and installed control panel, and also includes start-up. Price includes closed transition starter. (rated by cooling capacity in tons). Units are factory assembled package type consisting of motor, cooler, condenser, internal piping and wiring, motor starters, insulation, purge unit, controls, gauges, lubrication system, refrigerant charge, oil, phase monitoring for 3 phase units, start-up costs and equipment rigging. Exclude piping and power wiring.		
23 64 13 16-0002	EA	50 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	209,011.22	12,297.29
		For Two Stage Unit, Add	*136,470.03*	
23 64 13 16-0003	EA	100 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	263,833.83	14,172.87
		For Two Stage Unit, Add	*173,345.39*	
23 64 13 16-0004	EA	150 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	334,235.87	15,235.82
		For Two Stage Unit, Add	*221,776.45*	
23 64 13 16-0005	EA	200 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	371,197.14	16,298.79
		For Two Stage Unit, Add	*246,798.97*	
23 64 13 16-0006	EA	250 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	414,408.88	16,771.22
		For Two Stage Unit, Add	*276,669.24*	
23 64 13 16-0007	EA	300 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	466,681.81	17,361.75
		For Two Stage Unit, Add	*312,787.86*	
23 64 13 16-0008	EA	350 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	500,375.86	17,952.30
		For Two Stage Unit, Add	*335,901.27*	
23 64 13 16-0009	EA	400 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	595,159.84	18,897.14
		For Two Stage Unit, Add	*401,494.17*	
23 64 13 16-0010	EA	500 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	666,011.60	19,487.69
		For Two Stage Unit, Add	*450,617.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 13 16-0011	EA	650 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	806,534.06	20,078.22
		For Two Stage Unit, Add	*548,511.26*	
23 64 13 16-0012	EA	750 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	874,394.59	21,495.50
		For Two Stage Unit, Add	*594,879.81*	
23 64 13 16-0013	EA	850 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	937,374.24	22,794.68
		For Two Stage Unit, Add	*637,926.22*	
23 64 13 16-0014	EA	950 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	1,005,721.95	24,455.56
		For Two Stage Unit, Add	*684,440.92*	
23 64 13 16-0015	EA	1,125 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	1,151,020.30	25,052.03
		For Two Stage Unit, Add	*785,624.86*	
23 64 13 16-0016	EA	1,250 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	1,260,592.47	26,483.58
		For Two Stage Unit, Add	*861,227.87*	
23 64 13 16-0017	EA	1,450 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	1,471,990.49	27,676.53
		For Two Stage Unit, Add	*1,008,252.11*	
23 64 13 16-0018	EA	1,700 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	1,720,294.83	28,511.61
		For Two Stage Unit, Add	*1,181,397.11*	

23 64 16 Centrifugal Water Chillers *(23 64)*

23 64 16 13 Air-Cooled Centrifugal Water Chillers *(23 64 16)*

23 64 16 13-0001 Magnetic Bearing, Air-Cooled Centrifugal Chillers *(23 64 16 13)*

Note: SMARDT air-cooled oil-free centrifugal chiller with variable speed control, magnetic bearings, lowest ARI IPLV in industry. Includes start up, freight, R-134a refrigerant charge, BACnet or equivalent interface.

23 64 16 13-0002	EA	85 Ton, Single Compressor, Magnetic Bearing, Air-Cooled Centrifugal Chiller	246,186.97	6,533.96
		For 5 Year Parts Only Compressor Warranty, Add	*6,849.00*	
23 64 16 13-0003	EA	175 Ton, Two Compressor, Magnetic Bearing, Air-Cooled Centrifugal Chiller	349,455.11	8,774.78
		For 5 Year Parts Only Compressor Warranty, Add	*13,698.00*	
23 64 16 13-0004	EA	240 Ton, Three Compressor, Magnetic Bearing, Air-Cooled Centrifugal Chiller	437,064.92	9,280.03
		For 5 Year Parts Only Compressor Warranty, Add	*20,547.00*	

23 64 16 16 Water-Cooled Centrifugal Water Chillers *(23 64 16)*

23 64 16 16-0001 Packaged Water-Cooled Centrifugal Water Chillers *(23 64 16 16)*

Note: Includes integral heat exchanger, refrigerant monitor with scanner, audible alarm, and lights, 460 voltage motor rating, controls (water temperature controller with PE switches, flow switch, etc.), start-up, and closed transition starter. Rated by cooling capacity in tons. Units are factory assembled package type consisting of compressor, motor, cooler, condenser, internal piping and wiring, motor starters, insulation, purge unit, factory wired and installed control panel, gauges, lubrication system, refrigerant charge, oil, phase monitoring for 3 phase units, start-up costs and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring.

23 64 16 16-0002	EA	180 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	159,152.61	6,738.61
		For 208/230 Voltage Motor Rating, Add	*5,933.12*	
23 64 16 16-0003	EA	200 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	173,970.59	6,909.27
		For 208/230 Voltage Motor Rating, Add	*6,514.74*	
23 64 16 16-0004	EA	225 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	191,879.43	7,084.89
		For 208/230 Voltage Motor Rating, Add	*7,219.95*	
23 64 16 16-0005	EA	250 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	209,359.77	7,368.94
		For 208/230 Voltage Motor Rating, Add	*7,900.91*	
23 64 16 16-0006	EA	275 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	226,446.14	7,785.03
		For 208/230 Voltage Motor Rating, Add	*8,557.63*	
23 64 16 16-0007	EA	300 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	242,907.98	8,189.79
		For 208/230 Voltage Motor Rating, Add	*9,190.10*	
23 64 16 16-0008	EA	325 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	258,833.14	8,638.83
		For 208/230 Voltage Motor Rating, Add	*9,798.25*	
23 64 16 16-0009	EA	350 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	274,116.98	9,064.84
		For 208/230 Voltage Motor Rating, Add	*10,382.23*	
23 64 16 16-0010	EA	375 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	288,732.59	9,453.30
		For 208/230 Voltage Motor Rating, Add	*10,941.90*	
23 64 16 16-0011	EA	400 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	302,610.74	9,760.02
		For 208/230 Voltage Motor Rating, Add	*11,477.31*	
23 64 16 16-0012	EA	425 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	316,166.63	10,243.55
		For 208/230 Voltage Motor Rating, Add	*11,988.48*	
23 64 16 16-0013	EA	450 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	328,974.66	10,638.74
		For 208/230 Voltage Motor Rating, Add	*12,475.41*	
23 64 16 16-0014	EA	475 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	341,168.25	11,028.84
		For 208/230 Voltage Motor Rating, Add	*12,938.09*	
23 64 16 16-0015	EA	500 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	352,614.46	11,330.97
		For 208/230 Voltage Motor Rating, Add	*13,376.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 16 16-0016	EA	550 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	373,361.33	11,732.77
		For 208/230 Voltage Motor Rating, Add	*14,180.58*	
23 64 16 16-0017	EA	600 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	391,447.89	11,987.88
		For 208/230 Voltage Motor Rating, Add	*14,887.65*	
23 64 16 16-0018	EA	650 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	407,650.23	12,580.43
		For 208/230 Voltage Motor Rating, Add	*15,497.67*	
23 64 16 16-0019	EA	700 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	421,442.27	13,181.94
		For 208/230 Voltage Motor Rating, Add	*16,010.71*	
23 64 16 16-0020	EA	750 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	432,910.32	13,843.69
		For 208/230 Voltage Motor Rating, Add	*16,426.90*	
23 64 16 16-0021	EA	800 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	459,826.88	14,511.60
		For 208/230 Voltage Motor Rating, Add	*17,460.65*	
23 64 16 16-0022	EA	850 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	486,553.34	15,177.37
		For 208/230 Voltage Motor Rating, Add	*18,486.94*	
23 64 16 16-0023	EA	900 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	513,192.54	15,907.03
		For 208/230 Voltage Motor Rating, Add	*19,505.62*	
23 64 16 16-0024	EA	950 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	539,758.24	16,710.39
		For 208/230 Voltage Motor Rating, Add	*20,516.63*	
23 64 16 16-0025	EA	1,000 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	566,099.70	17,682.21
		For 208/230 Voltage Motor Rating, Add	*21,519.96*	
23 64 16 16-0026	EA	1,100 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	614,228.54	20,402.61
		For 208/230 Voltage Motor Rating, Add	*23,272.19*	
23 64 16 16-0027	EA	1,200 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	660,555.12	23,130.78
		For 208/230 Voltage Motor Rating, Add	*24,951.82*	
23 64 16 16-0028	EA	1,300 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	704,239.58	25,340.73
		For 208/230 Voltage Motor Rating, Add	*26,558.72*	
23 64 16 16-0029	EA	1,400 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	744,755.76	26,701.41
		For 208/230 Voltage Motor Rating, Add	*28,092.87*	
23 64 16 16-0030	EA	1,500 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	783,377.71	28,017.59
		For 208/230 Voltage Motor Rating, Add	*29,554.08*	
23 64 16 16-0031	EA	1,600 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	819,397.93	28,829.76
		For 208/230 Voltage Motor Rating, Add	*30,943.26*	
23 64 16 16-0032	EA	1,700 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	855,500.24	30,841.08
		For 208/230 Voltage Motor Rating, Add	*32,259.50*	
23 64 16 16-0033	EA	1,800 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	888,978.48	32,345.52
		For 208/230 Voltage Motor Rating, Add	*33,502.99*	
23 64 16 16-0034	EA	1,900 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	921,349.37	34,297.43
		For 208/230 Voltage Motor Rating, Add	*34,673.75*	
23 64 16 16-0035	EA	2,000 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	950,750.09	35,522.35
		For 208/230 Voltage Motor Rating, Add	*35,771.91*	
23 64 16 16-0036	EA	2,250 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	1,012,460.99	37,533.07
		For 208/230 Voltage Motor Rating, Add	*38,199.29*	
23 64 16 16-0037	EA	2,500 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	1,067,536.19	39,785.01
		For 208/230 Voltage Motor Rating, Add	*40,172.39*	

23 64 16 16-0038 Magnetic Bearing, Water Cooled Centrifugal Water Chillers *(23 64 16 16)*

Note: SMARDT water cooled oil-free centrifugal chiller with variable speed control, magnetic bearings, 10 amp maximum inrush current and ARI part load <0.4kW per ton. Includes start up, freight, R-134a refrigerant charge, BACnet or equivalent interface, 12/18 month compressor warranty.

23 64 16 16-0039	EA	60 To 85 Ton, Single Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller	154,981.00	5,669.15
		For 5 Year Parts Only Compressor Warranty, Add	*6,849.00*	
		For Marine Water Box Connections, Add	*4,451.16*	
23 64 16 16-0040	EA	130 To 137 Ton, Single Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller	195,162.56	6,589.20
		For 5 Year Parts Only Compressor Warranty, Add	*6,849.00*	
		For Marine Water Box Connections, Add	*4,451.16*	
23 64 16 16-0041	EA	125 To 170 Ton, Dual Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller	244,471.28	6,738.61
		For 5 Year Parts Only Compressor Warranty, Add	*13,698.00*	
		For Marine Water Box Connections, Add	*4,451.16*	
23 64 16 16-0042	EA	240 To 270 Ton, Dual Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller	318,406.91	7,785.03
		For 5 Year Parts Only Compressor Warranty, Add	*13,698.00*	
		For Marine Water Box Connections, Add	*4,451.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 16 16-0043	EA	210 To 260 Ton, Three Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller	320,882.16	7,368.94
		For 5 Year Parts Only Compressor Warranty, Add	*20,547.00*	
		For Marine Water Box Connections, Add	*4,451.16*	
23 64 16 16-0044	EA	355 To 405 Ton, Three Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller	481,455.60	9,760.02
		For 5 Year Parts Only Compressor Warranty, Add	*20,547.00*	
		For Marine Water Box Connections, Add	*4,451.16*	
23 64 16 16-0045	EA	299 To 340 Ton, Four Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller	426,533.08	9,064.84
		For 5 Year Parts Only Compressor Warranty, Add	*25,113.00*	
		For Marine Water Box Connections, Add	*6,199.83*	
23 64 16 16-0046	EA	540 Ton, Four Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller	592,672.09	11,732.77
		For 5 Year Parts Only Compressor Warranty, Add	*25,113.00*	
		For Marine Water Box Connections, Add	*6,199.83*	
23 64 16 16-0047	EA	425 Ton, Five Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller	530,912.63	10,243.55
		For 5 Year Parts Only Compressor Warranty, Add	*29,679.00*	
		For Marine Water Box Connections, Add	*6,199.83*	
23 64 16 16-0048	EA	650 Ton, Five Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller	710,624.19	12,580.43
		For 5 Year Parts Only Compressor Warranty, Add	*29,679.00*	
		For Marine Water Box Connections, Add	*6,199.83*	
23 64 16 16-0049	EA	510 Ton, Six Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller	632,200.60	11,330.97
		For 5 Year Parts Only Compressor Warranty, Add	*34,245.00*	
		For Marine Water Box Connections, Add	*6,517.77*	
23 64 16 16-0050	EA	800 Ton, Six Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller	814,552.77	14,511.60
		For 5 Year Parts Only Compressor Warranty, Add	*34,245.00*	
		For Marine Water Box Connections, Add	*6,517.77*	

23 64 16 16-0051 Multistack Flooded Water Cooled Chiller *(23 64 16 16)*

Note: Includes dual compresors, heat exchanger, monitor, 460 Volt motor, controls, start-up, and closed transition starter. Rated by cooling capacity in tons. Units are factory assembled package type consisting of compressor, motor, cooler, condenser, internal piping and wiring, motor starters, insulation, purge unit, factory wired and installed control panel, gauges, lubrication system, refrigerant charge, oil, phase monitoring for 3 phase units, and start-up costs and equipment rigging. Excludes piping and power wiring.

23 64 16 16-0052	EA	160 Ton, Multistack Flooded Water Cooled Chiller (Multistack MS0162) Note: Compressor: Oil-free Centrifugal Compressors featuring: Integrated Refrigerant Cooled Variable Speed Drive w/Soft Start, Micro Processor Controlled Magnetic Bearing System, Direct Drive Rotating Assembly, Environmentally friendly R-134A Refrigerant. Electrical: 460 volt 3 phase Power Input, Chillers listed with ETL per UL 1995, High Voltage Electrical Enclosures carry NEMA 1 Rating, Single Point of Connection for High Voltage Electrical Connection, Each Compressor contains its own: High Voltage Breaker, Line Reactor, Line Reactor Cooling Fan, Compressor Hub. Heat Exchangers: ASME Certified Horizontal Shell & Tube Heat Exchangers designed to optimize water side turn down in the Variable Primary Flow, Evaporator & Condenser Heat Exchangers rated at 150 PSI (water side),Evaporator & Condenser Heat Exchangers rated to 200 PSI (refrigerant side), Water Side Connections feature Groove Type Mechanical Connections, ¾" diameter, enhanced & riffled copper tubes with standard tube sheets, Tube sheets are supported & baffled to prevent tube damage, Evaporator insulated with ¾" Closed Cell Foam Insulation, Epoxy coated head and tube sheet on condenser standard. Epoxy coated head on evaporator standard, Factory installed chilled water and condenser Thermal Dispersion Flow Switches. Refrigerant Components, Electronic Expansion Valve(s) controlled by dedicated outputs via the FlexSys Control System, Condenser mounted Refrigerant Level Sensor with digital display, Built in sight glass on evaporator and condenser shells to confirm refrigerant charge, Load Balance Valves on all compressors to optimize compressor staging, unloading, and operating range of each compressor. Refrigerant side economizer for improved energy efficiency and an increase in chiller capacity, Each compressor equipped with swing check to prevent anti-rotation, Each compressor can be isolated thru service valves for service while other compressors run, Refrigerant service valves standard, which allow for refrigerant charge to be isolated in one shell while the other is serviced. Large, 3/8" port charging/recovery ports standard. MagLev Control System: Touch screen featuring a resolution of 1024 x 768. Touch Screen can be disconnected & chiller will still operate as processor is completely separate from touch screen, Real Time, Intel equipped CPU Control System featuring dual hard drives for maximum reliability. Features MagLev proprietary logic for maximizing chiller efficiency & reliability, Windows Standard Embedded OS, Compressors controlled thru Multistack's proprietary natural progression control algorithms that define the proper operating range for the compressors to run in for maximum reliability while optimizing energy efficiency. Other Services & Special Features: BACNET IP with Web Control Operability, 2-pass Evaporator and 2-pass Condenser, SCCR Rating: 65kA, Freight Included, Factory Start-Up Included (Monday – Friday, Business Hours), (1) One Year Chiller Parts, Labor, & Refrigerant Warranty, (5) Year Compressor Parts Only Warranty	263,787.01	6,909.27

23 64 23 Scroll Water Chillers *(23 64)*

23 64 23 13 Air-Cooled Scroll Water Chillers *(23 64 23)*

23 64 23 13-0001 Packaged Air-Cooled Scroll Water Chillers *(23 64 23 13)*

Note: With integral heat exchanger. Rated by cooling capacity, tons. Units are factory assembled package type. Includes scroll compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3-valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, flow switch, operation and safety controls, isolation valves, factory wired and installed control panel, refrigerant charge, vibration eliminators, phase monitoring for 3 phase units, factory charge of refrigerant, freeze protection thermostat, start-up and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring. Excludes crane and associated personnel. See CSI section 01 22 23 00-0968 for crane lifting equipment.

23 64 23 13-0002	EA	10 Ton Packaged Air-Cooled Scroll Water Chiller	30,282.54	1,710.07
23 64 23 13-0003	EA	15 Ton Packaged Air-Cooled Scroll Water Chiller	44,475.60	1,731.99
23 64 23 13-0004	EA	18 Ton Packaged Air-Cooled Scroll Water Chiller	48,546.05	1,852.57
23 64 23 13-0005	EA	22 Ton Packaged Air-Cooled Scroll Water Chiller	53,419.70	1,984.12
23 64 23 13-0006	EA	25 Ton Packaged Air-Cooled Scroll Water Chiller	54,271.68	2,115.66
23 64 23 13-0007	EA	30 Ton Packaged Air-Cooled Scroll Water Chiller	57,258.09	2,269.13
23 64 23 13-0008	EA	40 Ton Packaged Air-Cooled Scroll Water Chiller	65,498.39	2,455.48
23 64 23 13-0009	EA	45 Ton Packaged Air-Cooled Scroll Water Chiller	70,338.06	2,663.76
23 64 23 13-0010	EA	50 Ton Packaged Air-Cooled Scroll Water Chiller	74,288.27	2,740.50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 23 13-0011	EA	55 Ton Packaged Air-Cooled Scroll Water Chiller	77,590.17	2,861.08
23 64 23 13-0012	EA	60 Ton Packaged Air-Cooled Scroll Water Chiller	80,195.69	2,959.74
23 64 23 13-0013	EA	70 Ton Packaged Air-Cooled Scroll Water Chiller	92,538.24	3,332.44
23 64 23 13-0014	EA	80 Ton Packaged Air-Cooled Scroll Water Chiller	99,595.02	3,650.34
23 64 23 13-0015	EA	90 Ton Packaged Air-Cooled Scroll Water Chiller	101,422.21	3,661.30
23 64 23 13-0016	EA	100 Ton Packaged Air-Cooled Scroll Water Chiller	107,354.24	3,672.27
23 64 23 13-0017	EA	110 Ton Packaged Air-Cooled Scroll Water Chiller	113,130.72	3,683.23
23 64 23 13-0018	EA	120 Ton Packaged Air-Cooled Scroll Water Chiller	118,979.05	3,694.19
23 64 23 13-0019	EA	130 Ton Packaged Air-Cooled Scroll Water Chiller	125,126.44	3,705.15

23 64 23 16 Water-Cooled Scroll Water Chillers *(23 64 23)*

23 64 23 16-0001 Packaged Water Cooled Scroll Water Chillers *(23 64 23 16)*

Note: Integral heat exchanger. Rated by cooling capacity in tons. Units are factory assembled package type. Includes hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3 valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, flow switch, operation and safety controls, factory wired and installed control panel, refrigerant charge, vibration eliminators, phase monitoring for 3 phase units, start-up costs and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring.

23 64 23 16-0002	EA	20 Ton Packaged Water Cooled Scroll Water Chiller	37,445.04	2,175.95
23 64 23 16-0003	EA	25 Ton Packaged Water Cooled Scroll Water Chiller	43,122.01	2,241.68
23 64 23 16-0004	EA	30 Ton Packaged Water Cooled Scroll Water Chiller	47,842.34	2,460.90
23 64 23 16-0005	EA	40 Ton Packaged Water Cooled Scroll Water Chiller	58,828.23	3,138.62
23 64 23 16-0006	EA	50 Ton Packaged Water Cooled Scroll Water Chiller	65,083.40	3,439.60
23 64 23 16-0007	EA	60 Ton Packaged Water Cooled Scroll Water Chiller	68,365.90	3,800.33

23 64 26 Rotary-Screw Water Chillers *(23 64)*

23 64 26 13 Air-Cooled, Rotary-Screw Water Chillers *(23 64 26)*

23 64 26 13-0001 Packaged Air-Cooled Rotary-Screw Water Chillers *(23 64 26 13)*

Note: Includes hermetic direct-drive compressors start-up, coil guards, copper fins, copper tubes, factory wired and installed control panel, refrigerant monitor with scanner, audible alarm, and lights, phase monitoring for 3 phase units, 440/460 voltage motor rating, motor starters, factory charge of refrigerant and equipment rigging. Units greater than 20 tons include dual compressors. Excludes crane and associated personnel. See CSI section 01 22 23 00-0968 for crane lifting equipment.

23 64 26 13-0002	EA	70 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	107,028.53	4,198.44
		For Aluminum Fins Instead Of Copper, Deduct	*-1,511.05*	
		For 208/230 Voltage Motor Rating, Add	*4,029.45*	
23 64 26 13-0003	EA	80 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	115,024.80	4,560.19
		For Aluminum Fins Instead Of Copper, Deduct	*-1,622.93*	
		For 208/230 Voltage Motor Rating, Add	*4,327.82*	
23 64 26 13-0004	EA	90 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	120,999.32	4,757.50
		For Aluminum Fins Instead Of Copper, Deduct	*-1,707.95*	
		For 208/230 Voltage Motor Rating, Add	*4,554.52*	
23 64 26 13-0005	EA	100 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	125,457.43	5,119.24
		For Aluminum Fins Instead Of Copper, Deduct	*-1,766.76*	
		For 208/230 Voltage Motor Rating, Add	*4,711.36*	
23 64 26 13-0006	EA	110 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	134,653.09	5,371.38
		For Aluminum Fins Instead Of Copper, Deduct	*-1,899.10*	
		For 208/230 Voltage Motor Rating, Add	*5,064.28*	
23 64 26 13-0007	EA	120 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	143,109.00	5,481.00
		For Aluminum Fins Instead Of Copper, Deduct	*-2,023.31*	
		For 208/230 Voltage Motor Rating, Add	*5,395.50*	
23 64 26 13-0008	EA	130 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	151,076.22	5,667.34
		For Aluminum Fins Instead Of Copper, Deduct	*-2,138.71*	
		For 208/230 Voltage Motor Rating, Add	*5,703.23*	
23 64 26 13-0009	EA	140 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	155,911.94	5,787.92
		For Aluminum Fins Instead Of Copper, Deduct	*-2,208.45*	
		For 208/230 Voltage Motor Rating, Add	*5,889.20*	
23 64 26 13-0010	EA	160 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	164,649.26	5,908.51
		For Aluminum Fins Instead Of Copper, Deduct	*-2,336.72*	
		For 208/230 Voltage Motor Rating, Add	*6,231.24*	
23 64 26 13-0011	EA	170 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	171,870.24	6,094.86
		For Aluminum Fins Instead Of Copper, Deduct	*-2,440.92*	
		For 208/230 Voltage Motor Rating, Add	*6,509.12*	
23 64 26 13-0012	EA	180 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	181,244.03	6,336.03
		For Aluminum Fins Instead Of Copper, Deduct	*-2,576.10*	
		For 208/230 Voltage Motor Rating, Add	*6,869.60*	
23 64 26 13-0013	EA	200 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	189,466.03	6,467.57
		For Aluminum Fins Instead Of Copper, Deduct	*-2,696.63*	
		For 208/230 Voltage Motor Rating, Add	*7,191.03*	
23 64 26 13-0014	EA	215 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	203,124.60	6,577.19
		For Aluminum Fins Instead Of Copper, Deduct	*-2,898.88*	
		For 208/230 Voltage Motor Rating, Add	*7,730.35*	
23 64 26 13-0015	EA	225 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	212,201.08	6,642.96
		For Aluminum Fins Instead Of Copper, Deduct	*-3,033.71*	
		For 208/230 Voltage Motor Rating, Add	*8,089.90*	
23 64 26 13-0016	EA	240 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	221,277.55	6,697.77
		For Aluminum Fins Instead Of Copper, Deduct	*-3,168.55*	
		For 208/230 Voltage Motor Rating, Add	*8,449.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 26 13-0017	EA	260 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	248,441.21	6,829.31
		For Aluminum Fins Instead Of Copper, Deduct	*-3,573.04*	
		For 208/230 Voltage Motor Rating, Add	*9,528.11*	
23 64 26 13-0018	EA	280 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	262,110.75	6,960.86
		For Aluminum Fins Instead Of Copper, Deduct	*-3,775.29*	
		For 208/230 Voltage Motor Rating, Add	*10,067.44*	
23 64 26 13-0019	EA	300 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	280,263.70	7,070.48
		For Aluminum Fins Instead Of Copper, Deduct	*-4,044.95*	
		For 208/230 Voltage Motor Rating, Add	*10,786.54*	
23 64 26 13-0020	EA	325 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	307,405.44	7,191.06
		For Aluminum Fins Instead Of Copper, Deduct	*-4,449.45*	
		For 208/230 Voltage Motor Rating, Add	*11,865.19*	
23 64 26 13-0021	EA	350 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	335,168.02	7,278.76
		For Aluminum Fins Instead Of Copper, Deduct	*-4,863.75*	
		For 208/230 Voltage Motor Rating, Add	*12,970.00*	

23 64 26 16 Water-Cooled, Rotary-Screw Water Chillers *(23 64 26)*

23 64 26 16-0001 Packaged Water Cooled Helical Rotary Water Chillers *(23 64 26 16)*

Note: Integral heat exchanger. Rated by cooling capacity in tons. Factory assembled package type includes semi-hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gages, lead-lag switch, compressor unloaders, removable core filter dryer, 3-valve by-pass, sight glass, internal wiring, motor starters, insulation, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, full factory refrigerant charge, vibration eliminators, NEMA 1 flow switches, wye-delta starter, extended warranty on compressor(s), start-up costs and equipment rigging. Excludes piping and power wiring.

23 64 26 16-0002	EA	70 Ton Packaged Water Cooled Helical Rotary Water Chiller	70,664.02	5,314.82
23 64 26 16-0003	EA	80 Ton Packaged Water Cooled Helical Rotary Water Chiller	76,682.78	5,521.51
23 64 26 16-0004	EA	90 Ton Packaged Water Cooled Helical Rotary Water Chiller	81,911.94	5,669.15
23 64 26 16-0005	EA	100 Ton Packaged Water Cooled Helical Rotary Water Chiller	86,468.10	5,908.31
23 64 26 16-0006	EA	110 Ton Packaged Water Cooled Helical Rotary Water Chiller	90,990.50	6,070.71
23 64 26 16-0007	EA	125 Ton Packaged Water Cooled Helical Rotary Water Chiller	96,498.20	6,241.14
23 64 26 16-0008	EA	130 Ton Packaged Water Cooled Helical Rotary Water Chiller	130,153.12	6,415.58
23 64 26 16-0009	EA	150 Ton Packaged Water Cooled Helical Rotary Water Chiller	135,117.13	6,589.20
23 64 26 16-0010	EA	175 Ton Packaged Water Cooled Helical Rotary Water Chiller	138,834.60	6,752.31
23 64 26 16-0011	EA	190 Ton Packaged Water Cooled Helical Rotary Water Chiller	140,246.36	7,089.97
23 64 26 16-0012	EA	200 Ton Packaged Water Cooled Helical Rotary Water Chiller	139,266.84	7,431.89
23 64 26 16-0013	EA	210 Ton Packaged Water Cooled Helical Rotary Water Chiller	147,340.89	7,590.99
23 64 26 16-0014	EA	235 Ton Packaged Water Cooled Helical Rotary Water Chiller	160,116.34	7,757.05
23 64 26 16-0015	EA	255 Ton Packaged Water Cooled Helical Rotary Water Chiller	170,109.32	8,112.07
23 64 26 16-0016	EA	275 Ton Packaged Water Cooled Helical Rotary Water Chiller	179,563.25	8,440.42
23 64 26 16-0017	EA	300 Ton Packaged Water Cooled Helical Rotary Water Chiller	190,566.38	8,774.78
23 64 26 16-0018	EA	350 Ton Packaged Water Cooled Helical Rotary Water Chiller	209,200.07	9,552.51
23 64 26 16-0019	EA	400 Ton Packaged Water Cooled Helical Rotary Water Chiller	224,462.79	10,506.81
23 64 26 16-0020	EA	450 Ton Packaged Water Cooled Helical Rotary Water Chiller	236,371.73	11,557.97

23 65 Cooling Towers *(23 60)*

23 65 13 Forced-Draft Cooling Towers *(23 65)*

23 65 13 16 Closed-Circuit, Forced-Draft Cooling Towers *(23 65 13)*

23 65 13 16-0001 Closed-Circuit, Forced-Draft Cooling Towers *(23 65 13 16)*

23 65 13 16-0002 Blow-Thru Centrifugal Fan Type Galvanized Cooling Towers *(23 65 13 16-0001)*

Note: Including 2-speed motor internal piping, vibration switch, basin, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Rated by cooling capacity in tons. Design temperature 95 degree F in, 85 degree F out. Excludes crane and associated personnel.

23 65 13 16-0003	EA	50 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	19,827.72	1,819.69
		For Stainless Steel Cooling Tower, Add	*10,258.91*	
23 65 13 16-0004	EA	75 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	27,335.78	2,225.28
		For Stainless Steel Cooling Tower, Add	*14,408.58*	
23 65 13 16-0005	EA	100 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	34,272.14	2,795.30
		For Stainless Steel Cooling Tower, Add	*17,866.64*	
23 65 13 16-0006	EA	125 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	39,527.99	3,124.16
		For Stainless Steel Cooling Tower, Add	*20,704.44*	
23 65 13 16-0007	EA	150 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	45,177.05	3,518.80
		For Stainless Steel Cooling Tower, Add	*23,712.40*	
23 65 13 16-0008	EA	175 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	50,796.79	3,946.31
		For Stainless Steel Cooling Tower, Add	*26,676.46*	
23 65 13 16-0009	EA	200 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	57,009.25	4,395.75
		For Stainless Steel Cooling Tower, Add	*29,969.84*	
23 65 13 16-0010	EA	225 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	62,299.32	4,954.82
		For Stainless Steel Cooling Tower, Add	*32,604.55*	
23 65 13 16-0011	EA	250 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	67,871.18	5,502.92
		For Stainless Steel Cooling Tower, Add	*35,414.92*	
23 65 13 16-0012	EA	275 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	74,312.89	6,511.42
		For Stainless Steel Cooling Tower, Add	*38,313.10*	
23 65 13 16-0013	EA	300 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	80,758.96	7,212.99
		For Stainless Steel Cooling Tower, Add	*41,496.71*	
23 65 13 16-0014	EA	325 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	85,097.93	7,673.39
		For Stainless Steel Cooling Tower, Add	*43,692.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 13 16-0015	EA	350 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	90,175.92	8,122.84
		For Stainless Steel Cooling Tower, Add	*46,272.12*	
23 65 13 16-0016	EA	375 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	95,111.42	8,517.46
		For Stainless Steel Cooling Tower, Add	*48,851.94*	
23 65 13 16-0017	EA	400 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	100,767.82	8,912.09
		For Stainless Steel Cooling Tower, Add	*51,870.88*	
23 65 13 16-0018	EA	425 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	106,760.65	9,394.42
		For Stainless Steel Cooling Tower, Add	*54,999.60*	
23 65 13 16-0019	EA	450 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	113,565.87	9,876.75
		For Stainless Steel Cooling Tower, Add	*58,622.33*	
23 65 13 16-0020	EA	475 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	120,180.96	10,293.30
		For Stainless Steel Cooling Tower, Add	*62,190.17*	
23 65 13 16-0021	EA	500 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	126,806.99	10,709.86
		For Stainless Steel Cooling Tower, Add	*65,758.01*	
23 65 13 16-0022	EA	550 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	139,412.32	11,159.30
		For Stainless Steel Cooling Tower, Add	*72,893.68*	
23 65 13 16-0023	EA	600 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	153,115.45	11,597.78
		For Stainless Steel Cooling Tower, Add	*80,688.04*	
23 65 13 16-0024	EA	650 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	158,692.13	11,838.94
		For Stainless Steel Cooling Tower, Add	*83,981.43*	
23 65 13 16-0025	EA	700 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	165,366.58	11,992.41
		For Stainless Steel Cooling Tower, Add	*87,933.50*	
23 65 13 16-0026	EA	750 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	173,101.00	12,606.28
		For Stainless Steel Cooling Tower, Add	*91,995.34*	
23 65 13 16-0027	EA	800 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	182,116.15	13,220.15
		For Stainless Steel Cooling Tower, Add	*96,825.65*	
23 65 13 16-0028	EA	850 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	191,219.02	13,888.84
		For Stainless Steel Cooling Tower, Add	*101,655.95*	
23 65 13 16-0029	EA	900 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	201,785.59	14,557.51
		For Stainless Steel Cooling Tower, Add	*107,364.49*	
23 65 13 16-0030	EA	950 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	212,688.62	15,324.85
		For Stainless Steel Cooling Tower, Add	*113,182.81*	
23 65 13 16-0031	EA	1,000 Ton Centrifugal Type Cooling Tower	225,044.40	16,092.20
		For Stainless Steel Cooling Tower, Add	*119,879.38*	

23 65 14 Induced-Draft Cooling Towers *(23 65)*

23 65 14 13 Open-Circuit, Induced-Draft Counterflow Cooling Towers *(23 65 14)*

23 65 14 13-0001 Galvanized Induced Draft Axial Single Flow Propeller Type Cooling Towers

(23 65 14 13)

Note: Includes internal piping, fan, motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping or power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 78 degree F wet bulb. 3 GPM/ton. Excludes crane and associated personnel.

23 65 14 13-0002	EA	10 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	10,102.53	1,227.75
		For Polymer Coating Over Galvanized Components, Add	*1,239.14*	
		For Stainless Steel Support Structure, Add	*2,478.28*	
23 65 14 13-0003	EA	20 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	11,985.03	1,326.40
		For Polymer Coating Over Galvanized Components, Add	*1,498.49*	
		For Stainless Steel Support Structure, Add	*2,996.99*	
23 65 14 13-0004	EA	30 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	14,339.45	1,490.83
		For Polymer Coating Over Galvanized Components, Add	*1,815.48*	
		For Stainless Steel Support Structure, Add	*3,630.96*	
23 65 14 13-0005	EA	40 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	15,914.45	1,644.29
		For Polymer Coating Over Galvanized Components, Add	*2,017.20*	
		For Stainless Steel Support Structure, Add	*4,034.40*	
23 65 14 13-0006	EA	50 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	18,867.15	1,819.69
		For Polymer Coating Over Galvanized Components, Add	*2,420.64*	
		For Stainless Steel Support Structure, Add	*4,841.28*	
23 65 14 13-0007	EA	60 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	21,965.91	1,962.19
		For Polymer Coating Over Galvanized Components, Add	*2,854.21*	
		For Stainless Steel Support Structure, Add	*5,708.43*	
23 65 14 13-0008	EA	75 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	25,222.52	2,225.28
		For Polymer Coating Over Galvanized Components, Add	*3,285.16*	
		For Stainless Steel Support Structure, Add	*6,570.31*	
23 65 14 13-0009	EA	100 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	31,390.42	2,795.30
		For Polymer Coating Over Galvanized Components, Add	*4,034.40*	
		For Stainless Steel Support Structure, Add	*8,068.80*	
23 65 14 13-0010	EA	125 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	34,221.98	3,124.16
		For Polymer Coating Over Galvanized Components, Add	*4,380.21*	
		For Stainless Steel Support Structure, Add	*8,760.42*	
23 65 14 13-0011	EA	150 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	52,380.72	3,518.80
		For Polymer Coating Over Galvanized Components, Add	*7,008.65*	
		For Stainless Steel Support Structure, Add	*14,017.30*	
23 65 14 13-0012	EA	200 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	63,371.90	4,395.75
		For Polymer Coating Over Galvanized Components, Add	*8,446.86*	
		For Stainless Steel Support Structure, Add	*16,893.72*	
23 65 14 13-0013	EA	300 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	81,845.41	7,212.99
		For Polymer Coating Over Galvanized Components, Add	*10,537.14*	
		For Stainless Steel Support Structure, Add	*21,074.29*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 65 14 13-0014 Galvanized Induced Draft Double Flow Propeller Type Packaged Cooling Towers *(23 65 14 13)*

Note: 3 GPM/ton draft. Includes internal piping, fan, 2-speed motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Excludes crane and associated personnel.

23 65 14 13-0015	EA	100 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	31,390.42	2,795.30
		For Polymer Coating Over Galvanized Components, Add	*4,034.40*	
		For Stainless Steel Support Structure, Add	*8,068.80*	
23 65 14 13-0016	EA	150 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	41,837.92	3,518.80
		For Polymer Coating Over Galvanized Components, Add	*5,427.23*	
		For Stainless Steel Support Structure, Add	*10,854.46*	
23 65 14 13-0017	EA	200 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	53,166.96	4,395.75
		For Polymer Coating Over Galvanized Components, Add	*6,916.12*	
		For Stainless Steel Support Structure, Add	*13,832.24*	
23 65 14 13-0018	EA	250 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	63,059.17	5,502.92
		For Polymer Coating Over Galvanized Components, Add	*8,131.93*	
		For Stainless Steel Support Structure, Add	*16,263.86*	
23 65 14 13-0019	EA	300 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	74,876.60	7,212.99
		For Polymer Coating Over Galvanized Components, Add	*9,491.82*	
		For Stainless Steel Support Structure, Add	*18,983.65*	
23 65 14 13-0020	EA	350 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	83,451.92	8,122.84
		For Polymer Coating Over Galvanized Components, Add	*10,559.43*	
		For Stainless Steel Support Structure, Add	*21,118.86*	
23 65 14 13-0021	EA	400 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	93,083.25	8,912.09
		For Polymer Coating Over Galvanized Components, Add	*11,815.04*	
		For Stainless Steel Support Structure, Add	*23,630.07*	
23 65 14 13-0022	EA	450 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	105,515.37	9,876.75
		For Polymer Coating Over Galvanized Components, Add	*13,448.01*	
		For Stainless Steel Support Structure, Add	*26,896.01*	
23 65 14 13-0023	EA	500 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	119,030.93	10,709.86
		For Polymer Coating Over Galvanized Components, Add	*15,273.09*	
		For Stainless Steel Support Structure, Add	*30,546.19*	
23 65 14 13-0024	EA	550 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	127,519.53	11,290.84
		For Polymer Coating Over Galvanized Components, Add	*16,439.50*	
		For Stainless Steel Support Structure, Add	*32,879.00*	
23 65 14 13-0025	EA	600 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	136,697.90	11,597.78
		For Polymer Coating Over Galvanized Components, Add	*17,709.38*	
		For Stainless Steel Support Structure, Add	*35,418.76*	
23 65 14 13-0026	EA	700 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	155,211.96	11,992.41
		For Polymer Coating Over Galvanized Components, Add	*20,460.18*	
		For Stainless Steel Support Structure, Add	*40,920.36*	
23 65 14 13-0027	EA	800 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	170,223.35	13,220.15
		For Polymer Coating Over Galvanized Components, Add	*22,422.49*	
		For Stainless Steel Support Structure, Add	*44,844.98*	
23 65 14 13-0028	EA	900 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	188,063.14	14,557.51
		For Polymer Coating Over Galvanized Components, Add	*24,782.76*	
		For Stainless Steel Support Structure, Add	*49,565.51*	

23 65 14 14 Open-Circuit, Induced-Draft Crossflow Cooling Towers *(23 65 14)*

23 65 14 14-0001 Galvanized Induced Draft Crossflow Film Filled Propeller Type Cooling Towers *(23 65 14 14)*

Note: Includes fan, 2-speed motor, geared speed reducer, louvers, drift eliminators, hot water distribution system, cold water collection basin, float valve and access door, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Excludes crane and associated personnel. See CSI section 01 22 23 00-0968 for crane lifting equipment.

23 65 14 14-0002	EA	10 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	8,316.76	1,227.75
		For Polymer Coating Over Galvanized Components, Add	*971.27*	
		For Stainless Steel Support Structure, Add	*1,942.55*	
23 65 14 14-0003	EA	15 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	8,977.87	1,249.67
		For Polymer Coating Over Galvanized Components, Add	*1,067.15*	
		For Stainless Steel Support Structure, Add	*2,134.30*	
23 65 14 14-0004	EA	20 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	9,764.65	1,359.29
		For Polymer Coating Over Galvanized Components, Add	*1,158.86*	
		For Stainless Steel Support Structure, Add	*2,317.72*	
23 65 14 14-0005	EA	25 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	11,419.57	1,425.05
		For Polymer Coating Over Galvanized Components, Add	*1,392.30*	
		For Stainless Steel Support Structure, Add	*2,784.59*	
23 65 14 14-0006	EA	30 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	12,935.52	1,490.83
		For Polymer Coating Over Galvanized Components, Add	*1,604.89*	
		For Stainless Steel Support Structure, Add	*3,209.78*	
23 65 14 14-0007	EA	35 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	14,417.83	1,567.57
		For Polymer Coating Over Galvanized Components, Add	*1,809.15*	
		For Stainless Steel Support Structure, Add	*3,618.30*	
23 65 14 14-0008	EA	40 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	15,778.02	1,644.29
		For Polymer Coating Over Galvanized Components, Add	*1,996.74*	
		For Stainless Steel Support Structure, Add	*3,993.47*	
23 65 14 14-0009	EA	45 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	17,288.12	1,731.99
		For Polymer Coating Over Galvanized Components, Add	*2,205.17*	
		For Stainless Steel Support Structure, Add	*4,410.33*	
23 65 14 14-0010	EA	50 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	18,764.57	1,819.69
		For Polymer Coating Over Galvanized Components, Add	*2,405.25*	
		For Stainless Steel Support Structure, Add	*4,810.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 14-0011	EA	60 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	21,668.52	1,962.19
		For Polymer Coating Over Galvanized Components, Add	*2,809.61*	
		For Stainless Steel Support Structure, Add	*5,619.21*	
23 65 14 14-0012	EA	70 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	24,816.70	2,115.66
		For Polymer Coating Over Galvanized Components, Add	*3,247.30*	
		For Stainless Steel Support Structure, Add	*6,494.60*	
23 65 14 14-0013	EA	75 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	26,276.31	2,225.28
		For Polymer Coating Over Galvanized Components, Add	*3,443.22*	
		For Stainless Steel Support Structure, Add	*6,886.45*	
23 65 14 14-0014	EA	80 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	27,867.47	2,411.64
		For Polymer Coating Over Galvanized Components, Add	*3,639.15*	
		For Stainless Steel Support Structure, Add	*7,278.29*	
23 65 14 14-0015	EA	90 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	29,041.78	2,597.99
		For Polymer Coating Over Galvanized Components, Add	*3,772.54*	
		For Stainless Steel Support Structure, Add	*7,545.08*	
23 65 14 14-0016	EA	100 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	31,228.73	2,795.30
		For Polymer Coating Over Galvanized Components, Add	*4,010.15*	
		For Stainless Steel Support Structure, Add	*8,020.30*	
23 65 14 14-0017	EA	125 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	32,505.25	3,124.16
		For Polymer Coating Over Galvanized Components, Add	*4,122.70*	
		For Stainless Steel Support Structure, Add	*8,245.40*	
23 65 14 14-0018	EA	150 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	37,754.23	3,518.80
		For Polymer Coating Over Galvanized Components, Add	*4,814.68*	
		For Stainless Steel Support Structure, Add	*9,629.36*	
23 65 14 14-0019	EA	175 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	41,713.15	3,946.31
		For Polymer Coating Over Galvanized Components, Add	*5,306.57*	
		For Stainless Steel Support Structure, Add	*10,613.14*	
23 65 14 14-0020	EA	200 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	43,909.51	4,395.75
		For Polymer Coating Over Galvanized Components, Add	*5,527.50*	
		For Stainless Steel Support Structure, Add	*11,055.00*	
23 65 14 14-0021	EA	225 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	50,755.54	4,954.82
		For Polymer Coating Over Galvanized Components, Add	*6,419.57*	
		For Stainless Steel Support Structure, Add	*12,839.14*	
23 65 14 14-0022	EA	250 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	55,645.27	5,502.92
		For Polymer Coating Over Galvanized Components, Add	*7,019.84*	
		For Stainless Steel Support Structure, Add	*14,039.69*	
23 65 14 14-0023	EA	275 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	59,507.70	6,511.42
		For Polymer Coating Over Galvanized Components, Add	*7,357.50*	
		For Stainless Steel Support Structure, Add	*14,714.99*	
23 65 14 14-0024	EA	300 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	64,204.91	7,212.99
		For Polymer Coating Over Galvanized Components, Add	*7,891.07*	
		For Stainless Steel Support Structure, Add	*15,782.14*	
23 65 14 14-0025	EA	350 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	73,388.57	8,122.84
		For Polymer Coating Over Galvanized Components, Add	*9,049.93*	
		For Stainless Steel Support Structure, Add	*18,099.86*	
23 65 14 14-0026	EA	400 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	80,902.03	8,912.09
		For Polymer Coating Over Galvanized Components, Add	*9,987.85*	
		For Stainless Steel Support Structure, Add	*19,975.70*	
23 65 14 14-0027	EA	450 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	89,423.05	9,876.75
		For Polymer Coating Over Galvanized Components, Add	*11,034.16*	
		For Stainless Steel Support Structure, Add	*22,068.32*	
23 65 14 14-0028	EA	500 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	97,441.05	10,709.86
		For Polymer Coating Over Galvanized Components, Add	*12,034.61*	
		For Stainless Steel Support Structure, Add	*24,069.22*	
23 65 14 14-0029	EA	600 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	111,371.78	11,597.78
		For Polymer Coating Over Galvanized Components, Add	*13,910.46*	
		For Stainless Steel Support Structure, Add	*27,820.92*	
23 65 14 14-0030	EA	700 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	124,914.31	11,992.41
		For Polymer Coating Over Galvanized Components, Add	*15,915.53*	
		For Stainless Steel Support Structure, Add	*31,831.07*	
23 65 14 14-0031	EA	800 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	139,627.19	13,220.15
		For Polymer Coating Over Galvanized Components, Add	*17,833.07*	
		For Stainless Steel Support Structure, Add	*35,666.14*	
23 65 14 14-0032	EA	900 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	153,904.06	14,557.51
		For Polymer Coating Over Galvanized Components, Add	*19,658.89*	
		For Stainless Steel Support Structure, Add	*39,317.79*	
23 65 14 14-0033	EA	1,000 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	167,893.31	16,092.20
		For Polymer Coating Over Galvanized Components, Add	*21,397.18*	
		For Stainless Steel Support Structure, Add	*42,794.36*	
23 65 14 14-0034	EA	1,100 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	183,755.60	16,870.50
		For Polymer Coating Over Galvanized Components, Add	*23,594.01*	
		For Stainless Steel Support Structure, Add	*47,188.01*	
23 65 14 14-0035	EA	1,200 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	199,051.92	17,593.99
		For Polymer Coating Over Galvanized Components, Add	*25,715.80*	
		For Stainless Steel Support Structure, Add	*51,431.60*	
23 65 14 14-0036	EA	1,300 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	211,729.91	19,106.73
		For Polymer Coating Over Galvanized Components, Add	*27,262.33*	
		For Stainless Steel Support Structure, Add	*54,524.67*	
23 65 14 14-0037	EA	1,400 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	223,999.71	20,729.11
		For Polymer Coating Over Galvanized Components, Add	*28,721.33*	
		For Stainless Steel Support Structure, Add	*57,442.65*	
23 65 14 14-0038	EA	1,500 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	235,828.45	22,439.17
		For Polymer Coating Over Galvanized Components, Add	*30,092.78*	
		For Stainless Steel Support Structure, Add	*60,185.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 14-0039	EA	1,600 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	246,743.92	23,984.82
		For Polymer Coating Over Galvanized Components, Add	*31,368.36*	
		For Stainless Steel Support Structure, Add	*62,736.71*	
23 65 14 14-0040	EA	1,700 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	257,409.76	25,749.70
		For Polymer Coating Over Galvanized Components, Add	*32,552.23*	
		For Stainless Steel Support Structure, Add	*65,104.45*	
23 65 14 14-0041	EA	1,800 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	267,930.45	27,788.63
		For Polymer Coating Over Galvanized Components, Add	*33,648.56*	
		For Stainless Steel Support Structure, Add	*67,297.11*	
23 65 14 14-0042	EA	1,900 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	277,801.07	29,827.55
		For Polymer Coating Over Galvanized Components, Add	*34,649.01*	
		For Stainless Steel Support Structure, Add	*69,298.02*	
23 65 14 14-0043	EA	2,000 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	288,250.04	32,611.91
		For Polymer Coating Over Galvanized Components, Add	*35,561.92*	
		For Stainless Steel Support Structure, Add	*71,123.84*	

23 65 14 14-0044 Induced Draft Crossflow Stainless Steel Propeller Type Cooling Towers *(23 65 14 14)*

Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0968 for crane lifting equipment.

23 65 14 14-0045	EA	100 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	90,967.75	2,795.30
		For Induced Draft Counter Flow Type, Add	*4,323.67*	
23 65 14 14-0046	EA	125 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	103,111.24	3,102.24
		For Induced Draft Counter Flow Type, Add	*4,904.53*	
23 65 14 14-0047	EA	150 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	112,675.06	3,518.80
		For Induced Draft Counter Flow Type, Add	*5,350.93*	
23 65 14 14-0048	EA	200 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	125,192.96	4,395.75
		For Induced Draft Counter Flow Type, Add	*5,906.67*	
23 65 14 14-0049	EA	250 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	141,734.56	5,502.92
		For Induced Draft Counter Flow Type, Add	*6,644.41*	
23 65 14 14-0050	EA	300 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	162,609.21	7,212.99
		For Induced Draft Counter Flow Type, Add	*7,550.57*	
23 65 14 14-0051	EA	350 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	177,124.17	8,122.84
		For Induced Draft Counter Flow Type, Add	*8,203.42*	
23 65 14 14-0052	EA	400 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	191,441.82	8,912.09
		For Induced Draft Counter Flow Type, Add	*8,856.27*	
23 65 14 14-0053	EA	500 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	220,907.09	10,709.86
		For Induced Draft Counter Flow Type, Add	*10,184.84*	
23 65 14 14-0054	EA	600 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	249,586.73	11,597.78
		For Induced Draft Counter Flow Type, Add	*11,547.57*	
23 65 14 14-0055	EA	750 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	309,283.19	12,606.28
		For Induced Draft Counter Flow Type, Add	*14,422.77*	
23 65 14 14-0056	EA	1,000 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	401,593.29	16,092.20
		For Induced Draft Counter Flow Type, Add	*18,817.39*	

23 65 14 16 Closed-Circuit, Induced-Draft Counterflow Cooling Towers *(23 65 14)*

23 65 14 16-0001 Stainless Steel Packaged Propeller Type Cooling Towers *(23 65 14 16)*

Note: Including internal piping, fan, motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping or power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 79 degree F wet Bulb. 3 GPM/ton.

23 65 14 16-0002 Draw-Thru Stainless Steel Propeller Type Cooling Towers *(23 65 14 16-0001)*

Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0968 for crane lifting equipment.

23 65 14 16-0003	EA	50 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	38,160.97	1,819.69
23 65 14 16-0004	EA	75 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	54,281.89	2,225.28
23 65 14 16-0005	EA	100 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	63,930.12	2,795.30
23 65 14 16-0006	EA	125 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	72,478.85	3,124.16
23 65 14 16-0007	EA	150 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	79,498.27	3,518.80
23 65 14 16-0008	EA	200 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	95,307.59	4,395.75
23 65 14 16-0009	EA	250 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	112,125.37	5,502.92
23 65 14 16-0010	EA	300 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	132,832.50	7,212.99
23 65 14 16-0011	EA	350 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	145,391.62	8,122.84
23 65 14 16-0012	EA	400 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	164,875.04	8,912.09
23 65 14 16-0013	EA	500 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	191,076.05	10,709.86
23 65 14 16-0014	EA	600 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	215,767.43	11,597.78
23 65 14 16-0015	EA	750 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	267,041.35	12,606.28
23 65 14 16-0016	EA	1,000 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	340,239.30	15,916.80

23 65 14 16-0017 Belt Driven Stainless Steel Propeller Type Cooling Towers *(23 65 14 16-0001)*

Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0968 for crane lifting equipment.

23 65 14 16-0018	EA	100 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	66,605.81	2,795.30
23 65 14 16-0019	EA	125 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	72,062.33	3,124.16
23 65 14 16-0020	EA	150 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	77,632.99	3,518.80
23 65 14 16-0021	EA	200 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	91,780.75	4,395.75
23 65 14 16-0022	EA	250 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	101,083.04	5,502.92

23 65 14 16-0023 Fiberglass Packaged Draw-Thru Propeller Type Cooling Towers *(23 65 14 16)*

Note: Includes internal piping, fan, 2-speed motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 78 degree F wet bulb. 3 GPM/ton. Excludes crane and associated personnel.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 16-0024	EA	5 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	4,520.12	1,140.05
23 65 14 16-0025	EA	8 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	4,758.09	1,194.85
23 65 14 16-0026	EA	10 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	5,538.25	1,227.75
23 65 14 16-0027	EA	15 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	6,266.45	1,249.67
23 65 14 16-0028	EA	20 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	8,215.03	1,359.29
23 65 14 16-0029	EA	25 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	8,689.36	1,425.05
23 65 14 16-0030	EA	30 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	9,824.88	1,490.83
23 65 14 16-0031	EA	40 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	11,332.37	1,644.29
23 65 14 16-0032	EA	50 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	12,647.36	1,819.69
23 65 14 16-0033	EA	60 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	14,178.02	1,962.19
23 65 14 16-0034	EA	70 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	16,361.73	2,115.66
23 65 14 16-0035	EA	80 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	17,807.01	2,411.64
23 65 14 16-0036	EA	100 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	21,550.76	2,795.30
23 65 14 16-0037	EA	125 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	26,659.47	3,124.16
23 65 14 16-0038	EA	150 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	29,940.01	3,518.80
23 65 14 16-0039	EA	175 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	36,375.00	3,946.31
23 65 14 16-0040	EA	200 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	40,569.72	4,395.75
23 65 14 16-0041	EA	225 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	44,834.66	4,954.82
23 65 14 16-0042	EA	250 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	48,908.30	5,502.92
23 65 14 16-0043	EA	300 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	58,557.16	7,212.99
23 65 14 16-0044	EA	350 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	66,551.84	8,122.84
23 65 14 16-0045	EA	400 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	73,973.54	8,912.09
23 65 14 16-0046	EA	500 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	89,940.99	10,490.62
23 65 14 16-0047	EA	600 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	102,786.58	11,597.78
23 65 14 16-0048	EA	700 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	109,067.61	8,912.09
23 65 14 16-0049	EA	800 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	124,666.80	13,220.15
23 65 14 16-0050	EA	1,000 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	142,635.98	11,016.80

23 65 43 Cooling Tower Basins and Accessories *(23 65)*

23 65 43 00-0001 Fiberglass Cooling Tower Remote Sump Basins *(23 65 43)*

Note: Includes one inlet sleeve. Excludes cover, excavation, backfill, concrete cut and concrete patch. Excludes crane and associated personnel. See CSI section 01 22 23 00-0968 for crane lifting equipment.

23 65 43 00-0002	EA	30" Diameter x 30" Depth, 92 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,337.00
		For Anti-Flotation Flanges, Add	*115.00*
		For Perforated Basins, Add	*80.00*
23 65 43 00-0003	EA	30" Diameter x 36" Depth, 110 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,512.58
		For Anti-Flotation Flanges, Add	*115.00*
		For Perforated Basins, Add	*80.00*
23 65 43 00-0004	EA	36" Diameter x 30" Depth, 132 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,487.75
		For Anti-Flotation Flanges, Add	*253.00*
		For Perforated Basins, Add	*80.00*
23 65 43 00-0005	EA	36" Diameter x 36" Depth, 159 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,742.13
		For Anti-Flotation Flanges, Add	*253.00*
		For Perforated Basins, Add	*80.00*
23 65 43 00-0006	EA	42" Diameter x 30" Depth, 180 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,887.72
		For Anti-Flotation Flanges, Add	*276.00*
		For Perforated Basins, Add	*100.00*
23 65 43 00-0007	EA	42" Diameter x 36" Depth, 216 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	2,096.28
		For Anti-Flotation Flanges, Add	*276.00*
		For Perforated Basins, Add	*100.00*
23 65 43 00-0008	EA	42" Diameter x 42" Depth, 252 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	2,304.84
		For Anti-Flotation Flanges, Add	*276.00*
		For Perforated Basins, Add	*100.00*
23 65 43 00-0009	EA	48" Diameter x 36" Depth, 282 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	2,336.98
		For Anti-Flotation Flanges, Add	*294.00*
		For Perforated Basins, Add	*140.00*
23 65 43 00-0010	EA	48" Diameter x 42" Depth, 329 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	2,584.52
		For Anti-Flotation Flanges, Add	*294.00*
		For Perforated Basins, Add	*140.00*
23 65 43 00-0011	EA	48" Diameter x 48" Depth, 376 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	2,944.68
		For Anti-Flotation Flanges, Add	*294.00*
		For Perforated Basins, Add	*140.00*
23 65 43 00-0012	EA	48" Diameter x 54" Depth, 423 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	3,307.83
		For Anti-Flotation Flanges, Add	*294.00*
		For Perforated Basins, Add	*140.00*
23 65 43 00-0013	EA	48" Diameter x 60" Depth, 470 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	3,549.37
		For Anti-Flotation Flanges, Add	*294.00*
		For Perforated Basins, Add	*140.00*

23 65 43 00-0014 Cooling Tower Accessories *(23 65 43)*

23 65 43 00-0015	EA	2" Deflection Vibration Isolator, Cooling Tower Accessory (M.M. Sausse RMLS-SB-EQ)	36,716.31
23 65 43 00-0016	EA	3" Deflection Vibration Isolator, Cooling Tower Accessory (M.M. Sausse RMLS-SB-EQ)	42,915.71

23 70 Central HVAC Equipment *(23)*

Note: New air filters shall be provided on HVAC equipment prior to turning over to owner. Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0001 for terminations, 26 28 16 16-0001 for disconnect.

23 71 Thermal Storage *(23 70)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 71 13 Thermal Heat Storage *(23 71)*

23 71 13 23 Pressurized-Water Thermal Storage Tanks *(23 71 13)*

23 71 13 23-0001 Nickelshield Storage Tanks *(23 71 13 23)*

23 71 13 23-0002	EA	325 Gallon Nickelshield Storage Tank	30,870.38	207.30
23 71 13 23-0003	EA	490 Gallon Nickelshield Storage Tank	43,081.77	274.85
23 71 13 23-0004	EA	605 Gallon Nickelshield Storage Tank	49,319.39	332.44
23 71 13 23-0005	EA	740 Gallon Nickelshield Storage Tank	58,391.27	415.54
23 71 13 23-0006	EA	940 Gallon Nickelshield Storage Tank	67,923.12	552.40
23 71 13 23-0007	EA	1,505 Gallon Nickelshield Storage Tank	87,740.21	831.19
23 71 13 23-0008	EA	1,615 Gallon Nickelshield Storage Tank	99,081.80	936.19
23 71 13 23-0009	EA	2,275 Gallon Nickelshield Storage Tank	136,072.97	1,243.51
23 71 13 23-0010	EA	3,815 Gallon Nickelshield Storage Tank	176,094.59	1,445.62

23 72 Air-To-Air Energy Recovery Equipment *(23 70)*

23 72 13 Heat-Wheel Air-To-Air Energy-Recovery Equipment *(23 72)*

23 72 13 00-0001 Enthalpy Recovery Wheel *(23 72 13)*

23 72 13 00-0002	EA	Up To 1,000 CFM Enthalpy Recovery Wheel	10,870.77	780.49
23 72 13 00-0003	EA	>1,000 To 2,000 CFM Enthalpy Recovery Wheel	12,060.61	936.82
23 72 13 00-0004	EA	>2,000 To 4,000 CFM Enthalpy Recovery Wheel	15,091.90	1,171.02
23 72 13 00-0005	EA	>4,000 To 6,000 CFM Enthalpy Recovery Wheel	17,652.02	1,337.89
23 72 13 00-0006	EA	>6,000 To 8,000 CFM Enthalpy Recovery Wheel	19,539.51	1,405.23
23 72 13 00-0007	EA	>8,000 To 10,000 CFM Enthalpy Recovery Wheel	23,763.67	1,561.55
23 72 13 00-0008	EA	>10,000 To 15,000 CFM Enthalpy Recovery Wheel	31,611.32	1,639.43
23 72 13 00-0009	EA	>15,000 To 20,000 CFM Enthalpy Recovery Wheel	39,402.92	1,756.53
23 72 13 00-0010	EA	>20,000 To 25,000 CFM Enthalpy Recovery Wheel	47,729.60	2,007.13
23 72 13 00-0011	EA	>25,000 To 30,000 CFM Enthalpy Recovery Wheel	53,455.15	2,576.24
23 72 13 00-0012	EA	>30,000 To 40,000 CFM Enthalpy Recovery Wheel	71,695.58	2,927.55
23 72 13 00-0013	EA	>40,000 To 50,000 CFM Enthalpy Recovery Wheel	85,273.54	3,513.06

23 72 13 00-0014 Energy Recovery Ventilator *(23 72 13)*

Note: Excludes crane and associated personnel.

23 72 13 00-0015	EA	950 To 1,520 CFM Rooftop Energy Recovery Ventilator, Direct Drive	14,594.57	449.44
23 72 13 00-0016	EA	>1,520 To 2,000 CFM Rooftop Energy Recovery Ventilator, Belt Drive	17,025.92	493.29
23 72 13 00-0017	EA	>2,000 To 3,900 CFM Rooftop Energy Recovery Ventilator, Belt Drive	19,720.84	559.06
23 72 13 00-0018	EA	>3,900 To 5,050 CFM Rooftop Energy Recovery Ventilator, Belt Drive	21,467.12	657.72
23 72 13 00-0019	EA	>5,050 To 6,000 CFM Rooftop Energy Recovery Ventilator, Belt Drive	23,114.76	712.53
23 72 13 00-0020	EA	>6,000 To 8,000 CFM Rooftop Energy Recovery Ventilator, Belt Drive	25,633.80	811.19
23 72 13 00-0021	EA	>8,000 To 9,500 CFM Rooftop Energy Recovery Ventilator, Belt Drive	30,507.46	898.88
23 72 13 00-0022	EA	>9,500 To 12,000 CFM Rooftop Energy Recovery Ventilator, Belt Drive	38,299.70	986.58

23 72 16 Heat-Pipe Air-To-Air Energy-Recovery Equipment *(23 72)*

23 72 16 00-0001 Glycol Heat Pipe Type, 50 Percent Efficient *(23 72 16)*

23 72 16 00-0002	EA	100 MBH, 1,700 CFM Glycol Heat Recovery Unit	19,683.57	585.51
23 72 16 00-0003	EA	160 MBH, 2,700 CFM Glycol Heat Recovery Unit	30,963.65	780.72
23 72 16 00-0004	EA	620 MBH, 4,000 CFM Glycol Heat Recovery Unit	45,901.00	1,171.02

23 72 19 Fixed-Plate Air-To-Air Energy-Recovery Equipment *(23 72)*

23 72 19 00-0001 Fixed Plate Energy Recovery Ventilator, Enthalpy Core, Latent And Sensible Transfer *(23 72 19)*

23 72 19 00-0002	EA	85 CFM At 0.100" Static Pressure Fixed Plate Energy Recovery Ventilator, Enthalpy Core, Latent And Sensible Transfer	2,048.88	284.92
23 72 19 00-0003	EA	192 CFM At 0.100" Static Pressure Fixed Plate Energy Recovery Ventilator, Enthalpy Core, Latent And Sensible Transfer	2,753.01	313.42
23 72 19 00-0004	EA	218 CFM At 0.100" Static Pressure Fixed Plate Energy Recovery Ventilator, Enthalpy Core, Latent And Sensible Transfer	3,537.41	341.91
23 72 19 00-0005	EA	302 CFM At 0.100" Static Pressure Fixed Plate Energy Recovery Ventilator, Enthalpy Core, Latent And Sensible Transfer	5,504.76	398.89
23 72 19 00-0006	EA	612 CFM At 0.100" Static Pressure Fixed Plate Energy Recovery Ventilator, Enthalpy Core, Latent And Sensible Transfer	7,818.42	455.88
23 72 19 00-0007	EA	1,022 CFM At 0.100" Static Pressure Fixed Plate Energy Recovery Ventilator, Enthalpy Core, Latent And Sensible Transfer	10,958.17	512.86
23 72 19 00-0008	EA	1,250 CFM At 0.100" Static Pressure Fixed Plate Energy Recovery Ventilator, Enthalpy Core, Latent And Sensible Transfer	11,565.48	569.85

23 72 23 Packaged Air-To-Air Energy-Recovery Units *(23 72)*

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 72 23 00-0001		**Air To Air Heat Recovery Units** *(23 72 23)* Note: These XHS units are for an interior space, fabricated with uncoated 18 gauge galvanized steel exterior casing, and 20 gauge galvanized steel liner, 16 gauge galvanized steel floor, 2" foam insulation, welded steel base frame, 2" MERV 8 outside air and return air filters, 12" MERV 13 final filters, outside air and exhaust air shutoff dampers, face and bypass dampers, direct drive plenum fans, premium efficient TEFC motors, seismic spring isolation, copper tube aluminum fin preheating and heating coils, non-fused disconnect, NEMA 4 electrical panel, service lights, 120V GFI, stainless steel drip pans throughout.		
23 72 23 00-0002	EA	3,300 CFM, Air-to-Air, Heat Recovery Unit (Xetex Inc. XHS-30-36)	103,744.95	2,439.03
23 72 23 00-0003	EA	4,500 CFM, Air-to-Air, Heat Recovery Unit (Xetex Inc. XHS-30-48)	117,209.69	2,909.84
23 72 23 00-0004	EA	6,000 CFM, Air-to-Air, Heat Recovery Unit (Xetex Inc. XHS-40-48)	125,041.63	3,552.90
23 72 23 00-0005	EA	9,000 CFM, Air-to-Air, Heat Recovery Unit (Xetex Inc. XHS-50-60)	162,591.08	5,658.92
23 72 23 00-0006	EA	15,000 CFM, Air-to-Air, Heat Recovery Unit (Xetex Inc. XHS-50-96)	226,497.91	7,103.50
23 72 23 00-0007	EA	20,000 CFM, Air-to-Air, Heat Recovery Unit (Xetex Inc. XHS-60-96)	286,323.70	8,279.38
23 72 23 00-0008	EA	27,000 CFM, Air-to-Air, Heat Recovery Unit (Xetex Inc. XHS-80-96)	336,115.65	10,384.25

23 73 Indoor Central-Station Air-Handling Units *(23 70)*

23 73 13 Modular Indoor Central-Station Air-Handling Units *(23 73)*

Note: Sized by CFM. Includes motor drive vibration isolators. Use modifiers for Filters and heating and cooling coils. Includes double wall insulated casing, fan section, fan motor, internal dampers, starter, vibration isolators and equipment rigging. Variable speed drives are included on units with 10 HP or greater fans. Modifiers include cooling coil sections with 6 row aluminum fin coil and drain pan, heating coil section with 1 row aluminum fin coil, and filter section with replaceable filters.

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0001		**Single Zone Units** *(23 73 13)* Note: Horizontal/vertical draw-thru fan, motor and cabinet.		
23 73 13 00-0002	EA	300 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	2,807.19	643.06
		For Flat Filter Box And Throwaway Filters, Add	*234.79*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*442.01*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*658.43*	
		For Manual Roll Filter, Add	*1,130.56*	
		For Automatic Roll Filter, Add	*1,224.99*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*564.00*	
		For Electric Heating Coil, Add	*941.71*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*941.71*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*847.28*	
		For Steam Heating Coil, Aluminum Fins, Add	*752.85*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*612.49*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*1,130.56*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*1,036.14*	
		For Hot Water Heating Coil, Copper Fins, Add	*752.85*	
		For Variable Air Volume, Add	*264.40*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,283.06*	
		For 2 Coils, Independent Circuits, Add	*318.49*	
23 73 13 00-0003	EA	500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	4,442.77	771.67
		For Flat Filter Box And Throwaway Filters, Add	*389.20*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*745.36*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,112.53*	
		For Manual Roll Filter, Add	*1,947.85*	
		For Automatic Roll Filter, Add	*2,114.91*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*945.47*	
		For Electric Heating Coil, Add	*1,613.72*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*1,613.72*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*1,446.66*	
		For Steam Heating Coil, Aluminum Fins, Add	*1,279.59*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,057.46*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*1,947.85*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*1,780.79*	
		For Hot Water Heating Coil, Copper Fins, Add	*1,279.59*	
		For Variable Air Volume, Add	*467.78*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,411.05*	
		For 2 Coils, Independent Circuits, Add	*511.10*	
23 73 13 00-0004	EA	800 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	5,023.75	828.75
		For Flat Filter Box And Throwaway Filters, Add	*443.18*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*850.85*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,270.36*	
		For Manual Roll Filter, Add	*2,230.33*	
		For Automatic Roll Filter, Add	*2,422.33*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,078.36*	
		For Electric Heating Coil, Add	*1,846.34*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*1,846.34*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*1,654.35*	
		For Steam Heating Coil, Aluminum Fins, Add	*1,462.35*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,211.17*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*2,230.33*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*2,038.34*	
		For Hot Water Heating Coil, Copper Fins, Add	*1,462.35*	
		For Variable Air Volume, Add	*537.59*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,468.69*	
		For 2 Coils, Independent Circuits, Add	*579.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0005	EA	1,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	5,669.82	890.52
		For Flat Filter Box And Throwaway Filters, Add	*503.36*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*968.55*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,446.47*	
		For Manual Roll Filter, Add	*2,545.83*	
		For Automatic Roll Filter, Add	*2,765.70*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,226.60*	
		For Electric Heating Coil, Add	*2,106.09*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*2,106.09*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*1,886.21*	
		For Steam Heating Coil, Aluminum Fins, Add	*1,666.34*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,382.85*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*2,545.83*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*2,325.96*	
		For Hot Water Heating Coil, Copper Fins, Add	*1,666.34*	
		For Variable Air Volume, Add	*615.64*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,530.67*	
		For 2 Coils, Independent Circuits, Add	*654.93*	
23 73 13 00-0006	EA	1,200 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	6,431.96	958.04
		For Flat Filter Box And Throwaway Filters, Add	*574.84*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,108.68*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,656.18*	
		For Manual Roll Filter, Add	*2,922.41*	
		For Automatic Roll Filter, Add	*3,175.65*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,402.93*	
		For Electric Heating Coil, Add	*2,415.91*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*2,415.91*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*2,162.67*	
		For Steam Heating Coil, Aluminum Fins, Add	*1,909.42*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,587.83*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*2,922.41*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*2,669.16*	
		For Hot Water Heating Coil, Copper Fins, Add	*1,909.42*	
		For Variable Air Volume, Add	*709.09*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,596.94*	
		For 2 Coils, Independent Circuits, Add	*744.49*	
23 73 13 00-0007	EA	1,400 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	7,320.96	1,029.58
		For Flat Filter Box And Throwaway Filters, Add	*658.56*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,272.99*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,902.13*	
		For Manual Roll Filter, Add	*3,364.67*	
		For Automatic Roll Filter, Add	*3,657.18*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,609.62*	
		For Electric Heating Coil, Add	*2,779.66*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*2,779.66*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*2,487.15*	
		For Steam Heating Coil, Aluminum Fins, Add	*2,194.64*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,828.59*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*3,364.67*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*3,072.16*	
		For Hot Water Heating Coil, Copper Fins, Add	*2,194.64*	
		For Variable Air Volume, Add	*819.02*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,669.55*	
		For 2 Coils, Independent Circuits, Add	*849.10*	
23 73 13 00-0008	EA	1,600 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	8,017.02	1,106.87
		For Flat Filter Box And Throwaway Filters, Add	*722.81*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,398.28*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,089.52*	
		For Manual Roll Filter, Add	*3,699.30*	
		For Automatic Roll Filter, Add	*4,021.26*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,767.57*	
		For Electric Heating Coil, Add	*3,055.39*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*3,055.39*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*2,733.44*	
		For Steam Heating Coil, Aluminum Fins, Add	*2,411.48*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,010.63*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*3,699.30*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*3,377.35*	
		For Hot Water Heating Coil, Copper Fins, Add	*2,411.48*	
		For Variable Air Volume, Add	*901.48*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,744.54*	
		For 2 Coils, Independent Circuits, Add	*930.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0009	EA	1,800 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	8,771.06	1,192.87
		For Flat Filter Box And Throwaway Filters, Add	*791.92*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,532.73*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,290.57*	
		For Manual Roll Filter, Add	*4,057.40*	
		For Automatic Roll Filter, Add	*4,410.77*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,937.20*	
		For Electric Heating Coil, Add	*3,350.67*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*3,350.67*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*2,997.30*	
		For Steam Heating Coil, Aluminum Fins, Add	*2,643.94*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,205.38*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*4,057.40*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*3,704.03*	
		For Hot Water Heating Coil, Copper Fins, Add	*2,643.94*	
		For Variable Air Volume, Add	*989.42*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,687.06*	
		For 2 Coils, Independent Circuits, Add	*1,018.45*	
23 73 13 00-0010	EA	2,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	9,601.13	1,278.89
		For Flat Filter Box And Throwaway Filters, Add	*868.76*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,682.71*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,514.92*	
		For Manual Roll Filter, Add	*4,458.44*	
		For Automatic Roll Filter, Add	*4,847.14*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,126.22*	
		For Electric Heating Coil, Add	*3,681.03*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*3,681.03*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*3,292.33*	
		For Steam Heating Coil, Aluminum Fins, Add	*2,903.63*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,423.57*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*4,458.44*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*4,069.73*	
		For Hot Water Heating Coil, Copper Fins, Add	*2,903.63*	
		For Variable Air Volume, Add	*1,088.37*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,754.89*	
		For 2 Coils, Independent Circuits, Add	*1,115.59*	
23 73 13 00-0011	EA	2,250 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	10,366.04	1,374.65
		For Flat Filter Box And Throwaway Filters, Add	*938.42*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,817.92*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,717.06*	
		For Manual Roll Filter, Add	*4,817.62*	
		For Automatic Roll Filter, Add	*5,237.73*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,296.94*	
		For Electric Heating Coil, Add	*3,977.40*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*3,977.40*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*3,557.28*	
		For Steam Heating Coil, Aluminum Fins, Add	*3,137.17*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,618.87*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*4,817.62*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*4,397.51*	
		For Hot Water Heating Coil, Copper Fins, Add	*3,137.17*	
		For Variable Air Volume, Add	*1,176.32*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,830.08*	
		For 2 Coils, Independent Circuits, Add	*1,204.65*	
23 73 13 00-0012	EA	2,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	11,182.56	1,479.15
		For Flat Filter Box And Throwaway Filters, Add	*1,012.61*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,961.84*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,932.20*	
		For Manual Roll Filter, Add	*5,199.63*	
		For Automatic Roll Filter, Add	*5,653.12*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,478.72*	
		For Electric Heating Coil, Add	*4,292.66*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*4,292.66*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*3,839.18*	
		For Steam Heating Coil, Aluminum Fins, Add	*3,385.69*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,826.56*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*5,199.63*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*4,746.15*	
		For Hot Water Heating Coil, Copper Fins, Add	*3,385.69*	
		For Variable Air Volume, Add	*1,269.76*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,912.06*	
		For 2 Coils, Independent Circuits, Add	*1,299.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0013	EA	3,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	13,007.56	1,712.14
		For Flat Filter Box And Throwaway Filters, Add	*1,178.46*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,283.55*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,413.10*	
		For Manual Roll Filter, Add	*6,053.53*	
		For Automatic Roll Filter, Add	*6,581.62*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,885.01*	
		For Electric Heating Coil, Add	*4,997.36*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*4,997.36*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*4,469.27*	
		For Steam Heating Coil, Aluminum Fins, Add	*3,941.19*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*3,290.81*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*6,053.53*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*5,525.44*	
		For Hot Water Heating Coil, Copper Fins, Add	*3,941.19*	
		For Variable Air Volume, Add	*1,478.64*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,095.21*	
		For 2 Coils, Independent Circuits, Add	*1,511.99*	
23 73 13 00-0014	EA	3,250 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	13,622.85	1,839.95
		For Flat Filter Box And Throwaway Filters, Add	*1,230.82*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,382.77*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,561.01*	
		For Manual Roll Filter, Add	*6,309.41*	
		For Automatic Roll Filter, Add	*6,859.09*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,011.33*	
		For Electric Heating Coil, Add	*5,210.05*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*5,210.05*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*4,660.37*	
		For Steam Heating Coil, Aluminum Fins, Add	*4,110.69*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*3,429.55*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*6,309.41*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*5,759.73*	
		For Hot Water Heating Coil, Copper Fins, Add	*4,110.69*	
		For Variable Air Volume, Add	*1,539.11*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,196.08*	
		For 2 Coils, Independent Circuits, Add	*1,582.16*	
23 73 13 00-0015	EA	3,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	14,250.39	1,977.40
		For Flat Filter Box And Throwaway Filters, Add	*1,283.79*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,482.84*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,710.14*	
		For Manual Roll Filter, Add	*6,566.51*	
		For Automatic Roll Filter, Add	*7,137.79*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,138.86*	
		For Electric Heating Coil, Add	*5,423.96*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*5,423.96*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*4,852.69*	
		For Steam Heating Coil, Aluminum Fins, Add	*4,281.41*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*3,568.89*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*6,566.51*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*5,995.24*	
		For Hot Water Heating Coil, Copper Fins, Add	*4,281.41*	
		For Variable Air Volume, Add	*1,599.57*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,303.69*	
		For 2 Coils, Independent Circuits, Add	*1,653.55*	
23 73 13 00-0016	EA	4,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	15,630.08	2,282.86
		For Flat Filter Box And Throwaway Filters, Add	*1,399.89*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,701.92*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,036.57*	
		For Manual Roll Filter, Add	*7,128.52*	
		For Automatic Roll Filter, Add	*7,746.91*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,418.18*	
		For Electric Heating Coil, Add	*5,891.74*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*5,891.74*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*5,273.35*	
		For Steam Heating Coil, Aluminum Fins, Add	*4,654.96*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*3,873.46*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*7,128.52*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*6,510.13*	
		For Hot Water Heating Coil, Copper Fins, Add	*4,654.96*	
		For Variable Air Volume, Add	*1,731.49*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,244.91*	
		For 2 Coils, Independent Circuits, Add	*1,810.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0017	EA	4,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	15,630.08	2,282.86
		For Flat Filter Box And Throwaway Filters, Add	*1,399.89*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,701.92*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,036.57*	
		For Manual Roll Filter, Add	*7,128.52*	
		For Automatic Roll Filter, Add	*7,746.91*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,418.18*	
		For Electric Heating Coil, Add	*5,891.74*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*5,891.74*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*5,273.35*	
		For Steam Heating Coil, Aluminum Fins, Add	*4,654.96*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*3,873.46*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*7,128.52*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*6,510.13*	
		For Hot Water Heating Coil, Copper Fins, Add	*4,654.96*	
		For Variable Air Volume, Add	*1,731.49*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,244.91*	
		For 2 Coils, Independent Circuits, Add	*1,810.36*	
23 73 13 00-0018	EA	5,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	17,135.20	2,622.07
		For Flat Filter Box And Throwaway Filters, Add	*1,526.19*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,939.99*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,391.25*	
		For Manual Roll Filter, Add	*7,738.41*	
		For Automatic Roll Filter, Add	*8,407.84*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,721.82*	
		For Electric Heating Coil, Add	*6,399.54*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*6,399.54*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*5,730.11*	
		For Steam Heating Coil, Aluminum Fins, Add	*5,060.68*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,203.92*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*7,738.41*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*7,068.98*	
		For Hot Water Heating Coil, Copper Fins, Add	*5,060.68*	
		For Variable Air Volume, Add	*1,874.41*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,438.62*	
		For 2 Coils, Independent Circuits, Add	*1,981.29*	
23 73 13 00-0019	EA	5,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	18,003.16	2,844.73
		For Flat Filter Box And Throwaway Filters, Add	*1,597.07*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,072.20*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,587.98*	
		For Manual Roll Filter, Add	*8,072.56*	
		For Automatic Roll Filter, Add	*8,769.48*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,891.06*	
		For Electric Heating Coil, Add	*6,678.73*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*6,678.73*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*5,981.81*	
		For Steam Heating Coil, Aluminum Fins, Add	*5,284.90*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,384.74*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*8,072.56*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*7,375.64*	
		For Hot Water Heating Coil, Copper Fins, Add	*5,284.90*	
		For Variable Air Volume, Add	*1,951.36*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,565.94*	
		For 2 Coils, Independent Circuits, Add	*2,079.08*	
23 73 13 00-0020	EA	6,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	18,854.23	3,056.14
		For Flat Filter Box And Throwaway Filters, Add	*1,667.11*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,203.24*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,783.02*	
		For Manual Roll Filter, Add	*8,405.02*	
		For Automatic Roll Filter, Add	*9,129.42*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,058.62*	
		For Electric Heating Coil, Add	*6,956.22*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*6,956.22*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*6,231.82*	
		For Steam Heating Coil, Aluminum Fins, Add	*5,507.42*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,564.71*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*8,405.02*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*7,680.62*	
		For Hot Water Heating Coil, Copper Fins, Add	*5,507.42*	
		For Variable Air Volume, Add	*2,028.32*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,686.49*	
		For 2 Coils, Independent Circuits, Add	*2,175.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0021	EA	6,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	19,710.40	3,271.56
		For Flat Filter Box And Throwaway Filters, Add	*1,737.40*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,334.63*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,978.58*	
		For Manual Roll Filter, Add	*8,738.00*	
		For Automatic Roll Filter, Add	*9,489.88*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,226.69*	
		For Electric Heating Coil, Add	*7,234.23*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*7,234.23*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*6,482.34*	
		For Steam Heating Coil, Aluminum Fins, Add	*5,730.46*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,744.94*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*8,738.00*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*7,986.11*	
		For Hot Water Heating Coil, Copper Fins, Add	*5,730.46*	
		For Variable Air Volume, Add	*2,105.28*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,809.09*	
		For 2 Coils, Independent Circuits, Add	*2,271.79*	
23 73 13 00-0022	EA	7,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	20,696.86	3,521.55
		For Flat Filter Box And Throwaway Filters, Add	*1,818.14*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,485.35*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*5,202.86*	
		For Manual Roll Filter, Add	*9,119.34*	
		For Automatic Roll Filter, Add	*9,902.63*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,419.57*	
		For Electric Heating Coil, Add	*7,552.75*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*7,552.75*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*6,769.45*	
		For Steam Heating Coil, Aluminum Fins, Add	*5,986.16*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,951.32*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*9,119.34*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*8,336.04*	
		For Hot Water Heating Coil, Copper Fins, Add	*5,986.16*	
		For Variable Air Volume, Add	*2,193.22*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,952.39*	
		For 2 Coils, Independent Circuits, Add	*2,383.00*	
23 73 13 00-0023	EA	7,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	21,697.96	3,773.15
		For Flat Filter Box And Throwaway Filters, Add	*1,899.60*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,637.09*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*5,428.62*	
		For Manual Roll Filter, Add	*9,502.14*	
		For Automatic Roll Filter, Add	*10,316.85*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,613.91*	
		For Electric Heating Coil, Add	*7,872.73*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*7,872.73*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*7,058.03*	
		For Steam Heating Coil, Aluminum Fins, Add	*6,243.32*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*5,158.42*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*9,502.14*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*8,687.44*	
		For Hot Water Heating Coil, Copper Fins, Add	*6,243.32*	
		For Variable Air Volume, Add	*2,281.17*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,801.16*	
		For 2 Coils, Independent Circuits, Add	*2,495.68*	
23 73 13 00-0024	EA	8,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	22,729.23	4,063.21
		For Flat Filter Box And Throwaway Filters, Add	*1,982.58*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,790.95*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*5,657.38*	
		For Manual Roll Filter, Add	*9,887.96*	
		For Automatic Roll Filter, Add	*10,734.07*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,811.27*	
		For Electric Heating Coil, Add	*8,195.73*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*8,195.73*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*7,349.61*	
		For Steam Heating Coil, Aluminum Fins, Add	*6,503.50*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*5,367.04*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*9,887.96*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*9,041.84*	
		For Hot Water Heating Coil, Copper Fins, Add	*6,503.50*	
		For Variable Air Volume, Add	*2,369.12*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,922.08*	
		For 2 Coils, Independent Circuits, Add	*2,611.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0025	EA	9,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	23,904.01	4,401.74
		For Flat Filter Box And Throwaway Filters, Add	*2,076.65*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,965.06*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*5,916.21*	
		For Manual Roll Filter, Add	*10,323.47*	
		For Automatic Roll Filter, Add	*11,204.92*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*5,034.76*	
		For Electric Heating Coil, Add	*8,560.57*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*8,560.57*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*7,679.11*	
		For Steam Heating Coil, Aluminum Fins, Add	*6,797.66*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*5,602.46*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*10,323.47*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*9,442.02*	
		For Hot Water Heating Coil, Copper Fins, Add	*6,797.66*	
		For Variable Air Volume, Add	*2,468.07*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,062.49*	
		For 2 Coils, Independent Circuits, Add	*2,742.98*	
23 73 13 00-0026	EA	10,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	25,051.08	4,699.62
		For Flat Filter Box And Throwaway Filters, Add	*2,169.34*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,137.23*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*6,172.26*	
		For Manual Roll Filter, Add	*10,756.20*	
		For Automatic Roll Filter, Add	*11,672.99*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*5,255.47*	
		For Electric Heating Coil, Add	*8,922.63*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*8,922.63*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*8,005.84*	
		For Steam Heating Coil, Aluminum Fins, Add	*7,089.05*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*5,836.50*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*10,756.20*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*9,839.42*	
		For Hot Water Heating Coil, Copper Fins, Add	*7,089.05*	
		For Variable Air Volume, Add	*2,567.01*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,194.59*	
		For 2 Coils, Independent Circuits, Add	*2,871.82*	
23 73 13 00-0027	EA	11,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	25,167.66	4,550.44
		For Flat Filter Box And Throwaway Filters, Add	*2,192.84*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,191.32*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*6,254.59*	
		For Manual Roll Filter, Add	*10,926.87*	
		For Automatic Roll Filter, Add	*11,861.33*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*5,320.14*	
		For Electric Heating Coil, Add	*9,057.96*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*9,057.96*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*8,123.51*	
		For Steam Heating Coil, Aluminum Fins, Add	*7,189.05*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*5,930.67*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*10,926.87*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*9,992.42*	
		For Hot Water Heating Coil, Copper Fins, Add	*7,189.05*	
		For Variable Air Volume, Add	*2,616.48*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,123.56*	
		For 2 Coils, Independent Circuits, Add	*2,890.55*	
23 73 13 00-0028	EA	12,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	26,253.30	5,048.59
		For Flat Filter Box And Throwaway Filters, Add	*2,264.79*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,313.26*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*6,433.83*	
		For Manual Roll Filter, Add	*11,194.46*	
		For Automatic Roll Filter, Add	*12,146.58*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*5,481.71*	
		For Electric Heating Coil, Add	*9,290.21*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*9,290.21*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*8,338.08*	
		For Steam Heating Coil, Aluminum Fins, Add	*7,385.96*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*6,073.29*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*11,194.46*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*10,242.33*	
		For Hot Water Heating Coil, Copper Fins, Add	*7,385.96*	
		For Variable Air Volume, Add	*2,665.95*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,343.24*	
		For 2 Coils, Independent Circuits, Add	*3,006.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0029	EA	13,700 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	27,649.87	5,251.38
		For Flat Filter Box And Throwaway Filters, Add	*2,391.55*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,559.04*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*6,801.21*	
		For Manual Roll Filter, Add	*11,846.49*	
		For Automatic Roll Filter, Add	*12,855.55*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*5,792.16*	
		For Electric Heating Coil, Add	*9,828.38*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*9,828.38*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*8,819.32*	
		For Steam Heating Coil, Aluminum Fins, Add	*7,810.27*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*6,427.77*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*11,846.49*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*10,837.44*	
		For Hot Water Heating Coil, Copper Fins, Add	*7,810.27*	
		For Variable Air Volume, Add	*2,825.36*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,893.75*	
		For 2 Coils, Independent Circuits, Add	*3,168.61*	
23 73 13 00-0030	EA	15,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	29,118.18	5,454.75
		For Flat Filter Box And Throwaway Filters, Add	*2,521.90*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,809.84*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*7,175.77*	
		For Manual Roll Filter, Add	*12,505.71*	
		For Automatic Roll Filter, Add	*13,571.69*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*6,109.78*	
		For Electric Heating Coil, Add	*10,373.73*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*10,373.73*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*9,307.74*	
		For Steam Heating Coil, Aluminum Fins, Add	*8,241.76*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*6,785.85*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*12,505.71*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*11,439.72*	
		For Hot Water Heating Coil, Copper Fins, Add	*8,241.76*	
		For Variable Air Volume, Add	*2,984.77*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,959.69*	
		For 2 Coils, Independent Circuits, Add	*3,338.21*	
23 73 13 00-0031	EA	16,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	30,676.94	5,664.54
		For Flat Filter Box And Throwaway Filters, Add	*2,664.62*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*5,087.39*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*7,590.78*	
		For Manual Roll Filter, Add	*13,244.63*	
		For Automatic Roll Filter, Add	*14,375.40*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*6,460.01*	
		For Electric Heating Coil, Add	*10,983.09*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*10,983.09*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*9,852.32*	
		For Steam Heating Coil, Aluminum Fins, Add	*8,721.55*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*7,187.70*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*13,244.63*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*12,113.86*	
		For Hot Water Heating Coil, Copper Fins, Add	*8,721.55*	
		For Variable Air Volume, Add	*3,166.16*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,012.30*	
		For 2 Coils, Independent Circuits, Add	*3,520.00*	
23 73 13 00-0032	EA	17,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	32,299.79	5,874.58
		For Flat Filter Box And Throwaway Filters, Add	*2,810.54*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*5,369.43*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*8,012.20*	
		For Manual Roll Filter, Add	*13,989.97*	
		For Automatic Roll Filter, Add	*15,185.53*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*6,816.64*	
		For Electric Heating Coil, Add	*11,598.86*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*11,598.86*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*10,403.31*	
		For Steam Heating Coil, Aluminum Fins, Add	*9,207.75*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*7,592.76*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*13,989.97*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*12,794.42*	
		For Hot Water Heating Coil, Copper Fins, Add	*9,207.75*	
		For Variable Air Volume, Add	*3,347.55*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,077.74*	
		For 2 Coils, Independent Circuits, Add	*3,708.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0033	EA	20,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	36,015.36	6,297.96
		For Flat Filter Box And Throwaway Filters, Add	*3,151.41*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*6,032.75*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*10,354.75*	
		For Manual Roll Filter, Add	*14,946.94*	
		For Automatic Roll Filter, Add	*15,757.32*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*6,302.82*	
		For Electric Heating Coil, Add	*6,843.08*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*11,705.39*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*10,354.75*	
		For Steam Heating Coil, Aluminum Fins, Add	*9,004.11*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*7,203.34*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*14,406.68*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*13,056.04*	
		For Hot Water Heating Coil, Copper Fins, Add	*10,354.75*	
		For Variable Air Volume, Add	*3,781.80*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,310.44*	
		For 2 Coils, Independent Circuits, Add	*4,141.79*	
23 73 13 00-0034	EA	22,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	39,963.95	6,787.49
		For Flat Filter Box And Throwaway Filters, Add	*3,509.82*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*6,727.69*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*11,554.50*	
		For Manual Roll Filter, Add	*16,694.01*	
		For Automatic Roll Filter, Add	*17,600.98*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*7,019.64*	
		For Electric Heating Coil, Add	*7,624.29*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*13,066.12*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*11,554.50*	
		For Steam Heating Coil, Aluminum Fins, Add	*10,042.88*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*8,044.68*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*16,089.36*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*14,577.74*	
		For Hot Water Heating Coil, Copper Fins, Add	*11,554.50*	
		For Variable Air Volume, Add	*4,232.54*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,438.02*	
		For 2 Coils, Independent Circuits, Add	*4,601.04*	
23 73 13 00-0035	EA	25,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	44,281.13	7,272.65
		For Flat Filter Box And Throwaway Filters, Add	*3,908.25*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*7,504.58*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*12,899.08*	
		For Manual Roll Filter, Add	*18,659.34*	
		For Automatic Roll Filter, Add	*19,675.85*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*7,816.50*	
		For Electric Heating Coil, Add	*8,494.18*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*14,593.27*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*12,899.08*	
		For Steam Heating Coil, Aluminum Fins, Add	*11,204.89*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*8,990.83*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*17,981.66*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*16,287.47*	
		For Hot Water Heating Coil, Copper Fins, Add	*12,899.08*	
		For Variable Air Volume, Add	*4,743.74*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,554.52*	
		For 2 Coils, Independent Circuits, Add	*5,105.79*	
23 73 13 00-0036	EA	27,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	54,531.15	7,832.46
		For Flat Filter Box And Throwaway Filters, Add	*4,893.87*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*9,452.19*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*16,289.67*	
		For Manual Roll Filter, Add	*23,658.53*	
		For Automatic Roll Filter, Add	*24,958.91*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*9,787.74*	
		For Electric Heating Coil, Add	*10,654.66*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*18,456.98*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*16,289.67*	
		For Steam Heating Coil, Aluminum Fins, Add	*14,122.36*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*11,395.80*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*22,791.60*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*20,624.29*	
		For Hot Water Heating Coil, Copper Fins, Add	*16,289.67*	
		For Variable Air Volume, Add	*6,068.47*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,692.36*	
		For 2 Coils, Independent Circuits, Add	*6,320.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0037	EA	30,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	60,934.11	8,360.00
		For Flat Filter Box And Throwaway Filters, Add	*5,496.71*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*10,635.40*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*18,343.43*	
		For Manual Roll Filter, Add	*26,673.44*	
		For Automatic Roll Filter, Add	*28,143.45*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*10,993.42*	
		For Electric Heating Coil, Add	*11,973.42*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*20,793.44*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*18,343.43*	
		For Steam Heating Coil, Aluminum Fins, Add	*15,893.43*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*12,846.72*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*25,693.44*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*23,243.44*	
		For Hot Water Heating Coil, Copper Fins, Add	*18,343.43*	
		For Variable Air Volume, Add	*6,860.01*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,555.10*	
		For 2 Coils, Independent Circuits, Add	*7,073.41*	
23 73 13 00-0038	EA	32,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	66,762.22	9,002.48
		For Flat Filter Box And Throwaway Filters, Add	*6,033.51*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*11,681.39*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*20,153.21*	
		For Manual Roll Filter, Add	*29,317.56*	
		For Automatic Roll Filter, Add	*30,934.80*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*12,067.02*	
		For Electric Heating Coil, Add	*13,145.17*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*22,848.60*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*20,153.21*	
		For Steam Heating Coil, Aluminum Fins, Add	*17,457.81*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*14,119.70*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*28,239.40*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*25,544.00*	
		For Hot Water Heating Coil, Copper Fins, Add	*20,153.21*	
		For Variable Air Volume, Add	*7,547.11*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,693.14*	
		For 2 Coils, Independent Circuits, Add	*7,754.38*	
23 73 13 00-0039	EA	35,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	73,253.05	9,924.19
		For Flat Filter Box And Throwaway Filters, Add	*6,627.00*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*12,835.02*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*22,147.05*	
		For Manual Roll Filter, Add	*32,225.83*	
		For Automatic Roll Filter, Add	*34,004.44*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*13,254.00*	
		For Electric Heating Coil, Add	*14,439.74*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*25,111.39*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*22,147.05*	
		For Steam Heating Coil, Aluminum Fins, Add	*19,182.70*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*15,520.04*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*31,040.09*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*28,075.74*	
		For Hot Water Heating Coil, Copper Fins, Add	*22,147.05*	
		For Variable Air Volume, Add	*8,300.17*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,859.91*	
		For 2 Coils, Independent Circuits, Add	*8,511.04*	
23 73 13 00-0040	EA	37,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	78,844.19	10,369.43
		For Flat Filter Box And Throwaway Filters, Add	*7,144.10*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*13,844.00*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*23,893.86*	
		For Manual Roll Filter, Add	*34,780.28*	
		For Automatic Roll Filter, Add	*36,701.41*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*14,288.20*	
		For Electric Heating Coil, Add	*15,568.95*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*27,095.75*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*23,893.86*	
		For Steam Heating Coil, Aluminum Fins, Add	*20,691.97*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*16,749.76*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*33,499.52*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*30,297.64*	
		For Hot Water Heating Coil, Copper Fins, Add	*23,893.86*	
		For Variable Air Volume, Add	*8,965.29*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,985.96*	
		For 2 Coils, Independent Circuits, Add	*9,165.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0041	EA	40,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	85,041.81	11,092.76
		For Flat Filter Box And Throwaway Filters, Add	*7,709.19*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*14,941.38*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*25,789.67*	
		For Manual Roll Filter, Add	*37,543.80*	
		For Automatic Roll Filter, Add	*39,618.05*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*15,418.38*	
		For Electric Heating Coil, Add	*16,801.21*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*29,246.76*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*25,789.67*	
		For Steam Heating Coil, Aluminum Fins, Add	*22,332.57*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*18,080.48*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*36,160.96*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*32,703.86*	
		For Hot Water Heating Coil, Copper Fins, Add	*25,789.67*	
		For Variable Air Volume, Add	*9,679.87*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,817.48*	
		For 2 Coils, Independent Circuits, Add	*9,887.02*	
23 73 13 00-0042	EA	45,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	91,788.77	11,977.08
		For Flat Filter Box And Throwaway Filters, Add	*8,323.34*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*16,133.36*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*27,848.38*	
		For Manual Roll Filter, Add	*40,543.64*	
		For Automatic Roll Filter, Add	*42,783.98*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*16,646.68*	
		For Electric Heating Coil, Add	*18,140.24*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*31,582.28*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*27,848.38*	
		For Steam Heating Coil, Aluminum Fins, Add	*24,114.48*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*19,525.04*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*39,050.08*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*35,316.18*	
		For Hot Water Heating Coil, Copper Fins, Add	*27,848.38*	
		For Variable Air Volume, Add	*10,454.92*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,968.85*	
		For 2 Coils, Independent Circuits, Add	*10,672.44*	
23 73 13 00-0043	EA	47,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	95,620.87	12,539.65
		For Flat Filter Box And Throwaway Filters, Add	*8,668.07*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*16,799.73*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*28,997.21*	
		For Manual Roll Filter, Add	*42,213.10*	
		For Automatic Roll Filter, Add	*44,545.32*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*17,336.14*	
		For Electric Heating Coil, Add	*18,890.95*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*32,884.24*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*28,997.21*	
		For Steam Heating Coil, Aluminum Fins, Add	*25,110.19*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*20,329.15*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*40,658.29*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*36,771.27*	
		For Hot Water Heating Coil, Copper Fins, Add	*28,997.21*	
		For Variable Air Volume, Add	*10,883.67*	
		For Economizer, Panel, Controls And Damper(s), Add	*4,065.05*	
		For 2 Coils, Independent Circuits, Add	*11,116.90*	
23 73 13 00-0044	EA	50,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	99,233.92	13,021.94
		For Flat Filter Box And Throwaway Filters, Add	*8,993.99*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*17,430.35*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*30,084.88*	
		For Manual Roll Filter, Add	*43,794.70*	
		For Automatic Roll Filter, Add	*46,214.07*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*17,987.99*	
		For Electric Heating Coil, Add	*19,600.91*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*34,117.18*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*30,084.88*	
		For Steam Heating Coil, Aluminum Fins, Add	*26,052.58*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*21,090.89*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*42,181.78*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*38,149.48*	
		For Hot Water Heating Coil, Copper Fins, Add	*30,084.88*	
		For Variable Air Volume, Add	*11,290.43*	
		For Economizer, Panel, Controls And Damper(s), Add	*4,153.50*	
		For 2 Coils, Independent Circuits, Add	*11,536.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0045	EA	55,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	106,999.11	13,906.15
		For Flat Filter Box And Throwaway Filters, Add	*9,706.17*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*18,816.10*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*32,481.00*	
		For Manual Roll Filter, Add	*47,292.13*	
		For Automatic Roll Filter, Add	*49,905.86*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*19,412.35*	
		For Electric Heating Coil, Add	*21,154.83*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*36,837.21*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*32,481.00*	
		For Steam Heating Coil, Aluminum Fins, Add	*28,124.78*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*22,774.82*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*45,549.65*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*41,193.43*	
		For Hot Water Heating Coil, Copper Fins, Add	*32,481.00*	
		For Variable Air Volume, Add	*12,197.41*	
		For Economizer, Panel, Controls And Damper(s), Add	*4,314.35*	
		For 2 Coils, Independent Circuits, Add	*12,442.40*	
23 73 13 00-0046	EA	60,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	117,066.60	14,870.74
		For Flat Filter Box And Throwaway Filters, Add	*10,643.40*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*20,648.85*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*35,657.02*	
		For Manual Roll Filter, Add	*51,943.26*	
		For Automatic Roll Filter, Add	*54,817.31*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*21,286.80*	
		For Electric Heating Coil, Add	*23,202.83*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*40,447.09*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*35,657.02*	
		For Steam Heating Coil, Aluminum Fins, Add	*30,866.95*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*25,013.62*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*50,027.24*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*45,237.16*	
		For Hot Water Heating Coil, Copper Fins, Add	*35,657.02*	
		For Variable Air Volume, Add	*13,412.20*	
		For Economizer, Panel, Controls And Damper(s), Add	*4,026.52*	
		For 2 Coils, Independent Circuits, Add	*13,622.69*	
23 73 13 00-0047	EA	65,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	128,347.96	16,076.47
		For Flat Filter Box And Throwaway Filters, Add	*11,686.48*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*22,683.96*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*39,180.19*	
		For Manual Roll Filter, Add	*57,095.06*	
		For Automatic Roll Filter, Add	*60,256.51*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*23,372.95*	
		For Electric Heating Coil, Add	*25,480.59*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*44,449.27*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*39,180.19*	
		For Steam Heating Coil, Aluminum Fins, Add	*33,911.11*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*27,493.71*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*54,987.43*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*49,718.35*	
		For Hot Water Heating Coil, Copper Fins, Add	*39,180.19*	
		For Variable Air Volume, Add	*14,753.42*	
		For Economizer, Panel, Controls And Damper(s), Add	*4,196.64*	
		For 2 Coils, Independent Circuits, Add	*14,942.43*	
23 73 13 00-0048	EA	70,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	140,906.72	17,442.97
		For Flat Filter Box And Throwaway Filters, Add	*12,842.50*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*24,936.10*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*43,076.50*	
		For Manual Roll Filter, Add	*62,786.86*	
		For Automatic Roll Filter, Add	*66,265.16*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*25,685.00*	
		For Electric Heating Coil, Add	*28,003.87*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*48,873.66*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*43,076.50*	
		For Steam Heating Coil, Aluminum Fins, Add	*37,279.33*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*30,234.00*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*60,467.99*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*54,670.83*	
		For Hot Water Heating Coil, Copper Fins, Add	*43,076.50*	
		For Variable Air Volume, Add	*16,232.06*	
		For Economizer, Panel, Controls And Damper(s), Add	*4,396.34*	
		For 2 Coils, Independent Circuits, Add	*16,409.54*	

23 73 13 00-0049 Multi-Zone Units *(23 73 13)*

Note: Horizontal/vertical blow-thru fan, motor and cabinet.

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0050	EA	1,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	8,348.31	1,446.66
		For Economizer, Panel, Controls And Damper(s), Add	*2,086.38*	
		For Flat Filter Box And Throwaway Filters, Add	*731.52*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,401.05*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,777.14*	
		For Manual Roll Filter, Add	*3,661.76*	
		For Automatic Roll Filter, Add	*3,661.76*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*834.83*	
		For Electric Heating Coil, Add	*960.47*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*3,033.55*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*3,033.55*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*3,661.76*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*3,661.76*	
		For 2 Coils, Independent Circuits, Add	*960.47*	
23 73 13 00-0051	EA	1,200 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	10,402.53	1,812.40
		For Economizer, Panel, Controls And Damper(s), Add	*2,452.45*	
		For Flat Filter Box And Throwaway Filters, Add	*910.79*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,743.91*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,212.25*	
		For Manual Roll Filter, Add	*4,556.24*	
		For Automatic Roll Filter, Add	*4,556.24*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,040.25*	
		For Electric Heating Coil, Add	*1,196.52*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*3,774.91*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*3,774.91*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*4,556.24*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*4,556.24*	
		For 2 Coils, Independent Circuits, Add	*1,196.52*	
23 73 13 00-0052	EA	1,600 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	12,885.24	1,928.95
		For Economizer, Panel, Controls And Damper(s), Add	*2,568.79*	
		For Flat Filter Box And Throwaway Filters, Add	*1,150.75*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,218.84*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,808.00*	
		For Manual Roll Filter, Add	*5,846.94*	
		For Automatic Roll Filter, Add	*5,846.94*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,288.52*	
		For Electric Heating Coil, Add	*1,491.12*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*4,833.96*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*4,833.96*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*5,846.94*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*5,846.94*	
		For 2 Coils, Independent Circuits, Add	*1,491.12*	
23 73 13 00-0053	EA	2,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	13,394.02	2,065.59
		For Economizer, Panel, Controls And Damper(s), Add	*2,705.06*	
		For Flat Filter Box And Throwaway Filters, Add	*1,191.90*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,295.29*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,905.99*	
		For Manual Roll Filter, Add	*6,039.17*	
		For Automatic Roll Filter, Add	*6,039.17*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,339.40*	
		For Electric Heating Coil, Add	*1,548.28*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*4,994.78*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*4,994.78*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*6,039.17*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*6,039.17*	
		For 2 Coils, Independent Circuits, Add	*1,548.28*	
23 73 13 00-0054	EA	2,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	15,688.28	2,214.30
		For Economizer, Panel, Controls And Damper(s), Add	*2,854.39*	
		For Flat Filter Box And Throwaway Filters, Add	*1,410.66*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,726.41*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,447.56*	
		For Manual Roll Filter, Add	*7,205.02*	
		For Automatic Roll Filter, Add	*7,205.02*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,568.83*	
		For Electric Heating Coil, Add	*1,819.33*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*5,952.53*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*5,952.53*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*7,205.02*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*7,205.02*	
		For 2 Coils, Independent Circuits, Add	*1,819.33*	
23 73 13 00-0055	EA	3,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	16,540.45	2,371.28
		For Economizer, Panel, Controls And Damper(s), Add	*3,011.17*	
		For Flat Filter Box And Throwaway Filters, Add	*1,484.68*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,867.73*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,627.01*	
		For Manual Roll Filter, Add	*7,572.93*	
		For Automatic Roll Filter, Add	*7,572.93*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,654.05*	
		For Electric Heating Coil, Add	*1,917.11*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*6,257.62*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*6,257.62*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*7,572.93*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*7,572.93*	
		For 2 Coils, Independent Circuits, Add	*1,917.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0056	EA	3,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	17,437.29	2,531.93
		For Economizer, Panel, Controls And Damper(s), Add	*3,171.73*	
		For Flat Filter Box And Throwaway Filters, Add	*1,562.89*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,017.28*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,816.81*	
		For Manual Roll Filter, Add	*7,962.97*	
		For Automatic Roll Filter, Add	*7,962.97*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,743.73*	
		For Electric Heating Coil, Add	*2,020.14*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*6,580.92*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*6,580.92*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*7,962.97*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*7,962.97*	
		For 2 Coils, Independent Circuits, Add	*2,020.14*	
23 73 13 00-0057	EA	4,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	19,460.29	2,716.93
		For Economizer, Panel, Controls And Damper(s), Add	*2,880.11*	
		For Flat Filter Box And Throwaway Filters, Add	*1,752.38*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,388.58*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,284.13*	
		For Manual Roll Filter, Add	*8,960.35*	
		For Automatic Roll Filter, Add	*8,960.35*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,946.03*	
		For Electric Heating Coil, Add	*2,257.78*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*7,401.61*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*7,401.61*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*8,960.35*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*8,960.35*	
		For 2 Coils, Independent Circuits, Add	*2,257.78*	
23 73 13 00-0058	EA	4,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	21,275.44	2,909.61
		For Economizer, Panel, Controls And Damper(s), Add	*3,036.25*	
		For Flat Filter Box And Throwaway Filters, Add	*1,919.70*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,714.70*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,695.34*	
		For Manual Roll Filter, Add	*9,830.92*	
		For Automatic Roll Filter, Add	*9,830.92*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,127.54*	
		For Electric Heating Coil, Add	*2,469.92*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*8,119.06*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*8,119.06*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*9,830.92*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*9,830.92*	
		For 2 Coils, Independent Circuits, Add	*2,469.92*	
23 73 13 00-0059	EA	5,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	22,490.32	3,107.58
		For Economizer, Panel, Controls And Damper(s), Add	*3,186.16*	
		For Flat Filter Box And Throwaway Filters, Add	*2,027.56*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,922.24*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,958.17*	
		For Manual Roll Filter, Add	*10,376.45*	
		For Automatic Roll Filter, Add	*10,376.45*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,249.03*	
		For Electric Heating Coil, Add	*2,610.25*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*8,570.36*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*8,570.36*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*10,376.45*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*10,376.45*	
		For 2 Coils, Independent Circuits, Add	*2,610.25*	
23 73 13 00-0060	EA	5,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	24,808.45	3,320.02
		For Economizer, Panel, Controls And Damper(s), Add	*3,359.82*	
		For Flat Filter Box And Throwaway Filters, Add	*2,243.59*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,344.82*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*5,490.34*	
		For Manual Roll Filter, Add	*11,509.34*	
		For Automatic Roll Filter, Add	*11,509.34*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,480.85*	
		For Electric Heating Coil, Add	*2,882.11*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*9,503.01*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*9,503.01*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*11,509.34*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*11,509.34*	
		For 2 Coils, Independent Circuits, Add	*2,882.11*	
23 73 13 00-0061	EA	6,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	26,395.19	3,553.13
		For Economizer, Panel, Controls And Damper(s), Add	*3,541.49*	
		For Flat Filter Box And Throwaway Filters, Add	*2,385.75*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,619.23*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*5,837.48*	
		For Manual Roll Filter, Add	*12,233.41*	
		For Automatic Roll Filter, Add	*12,233.41*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,639.52*	
		For Electric Heating Coil, Add	*3,065.91*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*10,101.43*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*10,101.43*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*12,233.41*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*12,233.41*	
		For 2 Coils, Independent Circuits, Add	*3,065.91*	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0062	EA	6,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	28,947.47	3,858.35
		For Economizer, Panel, Controls And Damper(s), Add	*3,779.14*	
		For Flat Filter Box And Throwaway Filters, Add	*2,619.37*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*5,073.52*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*6,410.74*	
		For Manual Roll Filter, Add	*13,442.72*	
		For Automatic Roll Filter, Add	*13,442.72*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,894.75*	
		For Electric Heating Coil, Add	*3,363.55*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*11,098.73*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*11,098.73*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*13,442.72*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*13,442.72*	
		For 2 Coils, Independent Circuits, Add	*3,363.55*	
23 73 13 00-0063	EA	7,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	31,101.98	4,155.88
		For Economizer, Panel, Controls And Damper(s), Add	*4,013.96*	
		For Flat Filter Box And Throwaway Filters, Add	*2,813.47*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*5,448.91*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*6,885.32*	
		For Manual Roll Filter, Add	*14,435.58*	
		For Automatic Roll Filter, Add	*14,435.58*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,110.20*	
		For Electric Heating Coil, Add	*3,613.55*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*11,918.83*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*11,918.83*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*14,435.58*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*14,435.58*	
		For 2 Coils, Independent Circuits, Add	*3,613.55*	
23 73 13 00-0064	EA	7,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	32,633.86	4,493.38
		For Economizer, Panel, Controls And Damper(s), Add	*3,502.50*	
		For Flat Filter Box And Throwaway Filters, Add	*2,943.07*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*5,693.96*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*7,197.53*	
		For Manual Roll Filter, Add	*15,065.81*	
		For Automatic Roll Filter, Add	*15,065.81*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,263.39*	
		For Electric Heating Coil, Add	*3,787.94*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*12,443.05*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*12,443.05*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*15,065.81*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*15,065.81*	
		For 2 Coils, Independent Circuits, Add	*3,787.94*	
23 73 13 00-0065	EA	8,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	36,218.13	4,846.83
		For Economizer, Panel, Controls And Damper(s), Add	*3,711.21*	
		For Flat Filter Box And Throwaway Filters, Add	*3,275.41*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*6,342.98*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*8,015.33*	
		For Manual Roll Filter, Add	*16,802.36*	
		For Automatic Roll Filter, Add	*16,802.36*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,621.81*	
		For Electric Heating Coil, Add	*4,207.62*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*13,873.35*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*13,873.35*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*16,802.36*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*16,802.36*	
		For 2 Coils, Independent Circuits, Add	*4,207.62*	
23 73 13 00-0066	EA	8,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	38,133.06	5,224.62
		For Economizer, Panel, Controls And Damper(s), Add	*3,927.50*	
		For Flat Filter Box And Throwaway Filters, Add	*3,439.87*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*6,655.67*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*8,412.95*	
		For Manual Roll Filter, Add	*17,612.25*	
		For Automatic Roll Filter, Add	*17,612.25*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,813.31*	
		For Electric Heating Coil, Add	*4,426.59*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*14,545.81*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*14,545.81*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*17,612.25*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*17,612.25*	
		For 2 Coils, Independent Circuits, Add	*4,426.59*	
23 73 13 00-0067	EA	9,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	40,253.95	5,658.92
		For Economizer, Panel, Controls And Damper(s), Add	*4,163.35*	
		For Flat Filter Box And Throwaway Filters, Add	*3,622.48*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*7,003.20*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*8,854.73*	
		For Manual Roll Filter, Add	*18,513.40*	
		For Automatic Roll Filter, Add	*18,513.40*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,025.40*	
		For Electric Heating Coil, Add	*4,669.31*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*15,293.84*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*15,293.84*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*18,513.40*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*18,513.40*	
		For 2 Coils, Independent Circuits, Add	*4,669.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0068	EA	10,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	42,537.81	6,108.71
		For Economizer, Panel, Controls And Damper(s), Add	*3,799.74*	
		For Flat Filter Box And Throwaway Filters, Add	*3,817.16*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*7,372.34*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*9,324.58*	
		For Manual Roll Filter, Add	*19,466.18*	
		For Automatic Roll Filter, Add	*19,466.18*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,253.78*	
		For Electric Heating Coil, Add	*4,929.89*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*16,085.65*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*16,085.65*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*19,466.18*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*19,466.18*	
		For 2 Coils, Independent Circuits, Add	*4,929.89*	
23 73 13 00-0069	EA	11,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	43,731.11	6,342.17
		For Economizer, Panel, Controls And Damper(s), Add	*3,904.48*	
		For Flat Filter Box And Throwaway Filters, Add	*3,919.03*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*7,565.61*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*9,570.54*	
		For Manual Roll Filter, Add	*19,965.39*	
		For Automatic Roll Filter, Add	*19,965.39*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,373.11*	
		For Electric Heating Coil, Add	*5,066.10*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*16,500.44*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*16,500.44*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*19,965.39*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*19,965.39*	
		For 2 Coils, Independent Circuits, Add	*5,066.10*	
23 73 13 00-0070	EA	12,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	44,871.94	6,568.50
		For Economizer, Panel, Controls And Damper(s), Add	*3,993.49*	
		For Flat Filter Box And Throwaway Filters, Add	*4,018.28*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*7,755.21*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*9,811.24*	
		For Manual Roll Filter, Add	*20,459.34*	
		For Automatic Roll Filter, Add	*20,459.34*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,487.19*	
		For Electric Heating Coil, Add	*5,197.07*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*16,909.97*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*16,909.97*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*20,459.34*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*20,459.34*	
		For 2 Coils, Independent Circuits, Add	*5,197.07*	
23 73 13 00-0071	EA	13,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	50,777.27	6,832.50
		For Economizer, Panel, Controls And Damper(s), Add	*3,357.36*	
		For Flat Filter Box And Throwaway Filters, Add	*4,588.39*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*8,883.17*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*11,226.29*	
		For Manual Roll Filter, Add	*23,523.43*	
		For Automatic Roll Filter, Add	*23,523.43*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*5,077.73*	
		For Electric Heating Coil, Add	*5,897.54*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*19,424.38*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*19,424.38*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*23,523.43*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*23,523.43*	
		For 2 Coils, Independent Circuits, Add	*5,897.54*	
23 73 13 00-0072	EA	15,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	56,639.39	7,103.16
		For Economizer, Panel, Controls And Damper(s), Add	*3,511.62*	
		For Flat Filter Box And Throwaway Filters, Add	*5,156.33*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*10,008.10*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*12,637.03*	
		For Manual Roll Filter, Add	*26,583.21*	
		For Automatic Roll Filter, Add	*26,583.21*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*5,663.94*	
		For Electric Heating Coil, Add	*6,593.68*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*21,934.48*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*21,934.48*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*26,583.21*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*26,583.21*	
		For 2 Coils, Independent Circuits, Add	*6,593.68*	
23 73 13 00-0073	EA	16,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	65,197.89	7,371.07
		For Economizer, Panel, Controls And Damper(s), Add	*3,576.76*	
		For Flat Filter Box And Throwaway Filters, Add	*5,993.57*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*11,671.42*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*14,720.82*	
		For Manual Roll Filter, Add	*31,122.90*	
		For Automatic Roll Filter, Add	*31,122.90*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*6,519.79*	
		For Electric Heating Coil, Add	*7,613.26*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*25,655.54*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*25,655.54*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*31,122.90*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*31,122.90*	
		For 2 Coils, Independent Circuits, Add	*7,613.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0074	EA	17,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	73,761.64	7,636.33
		For Economizer, Panel, Controls And Damper(s), Add	*3,642.81*	
		For Flat Filter Box And Throwaway Filters, Add	*6,831.08*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*13,335.10*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*16,805.15*	
		For Manual Roll Filter, Add	*35,663.11*	
		For Automatic Roll Filter, Add	*35,663.11*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*7,376.16*	
		For Electric Heating Coil, Add	*8,633.36*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*29,377.12*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*29,377.12*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*35,663.11*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*35,663.11*	
		For 2 Coils, Independent Circuits, Add	*8,633.36*	
23 73 13 00-0075	EA	20,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	82,851.38	8,279.38
		For Economizer, Panel, Controls And Damper(s), Add	*3,804.34*	
		For Flat Filter Box And Throwaway Filters, Add	*7,693.90*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*11,481.72*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*18,939.12*	
		For Manual Roll Filter, Add	*29,593.11*	
		For Automatic Roll Filter, Add	*36,695.76*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*8,285.14*	
		For Electric Heating Coil, Add	*9,705.67*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*29,593.11*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*29,593.11*	
		For Steam Heating Coil, Aluminum Fins, Add	*15,387.79*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*36,695.76*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*36,695.76*	
		For 2 Coils, Independent Circuits, Add	*9,705.67*	
23 73 13 00-0076	EA	22,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	89,353.29	9,002.82
		For Economizer, Panel, Controls And Damper(s), Add	*3,683.60*	
		For Flat Filter Box And Throwaway Filters, Add	*8,295.80*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*12,379.74*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*20,419.72*	
		For Manual Roll Filter, Add	*31,904.12*	
		For Automatic Roll Filter, Add	*39,560.38*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*8,935.33*	
		For Electric Heating Coil, Add	*10,466.58*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*31,904.12*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*31,904.12*	
		For Steam Heating Coil, Aluminum Fins, Add	*16,591.59*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*39,560.38*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*39,560.38*	
		For 2 Coils, Independent Circuits, Add	*10,466.58*	
23 73 13 00-0077	EA	25,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	106,708.44	9,725.92
		For Economizer, Panel, Controls And Damper(s), Add	*3,848.65*	
		For Flat Filter Box And Throwaway Filters, Add	*9,976.30*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*14,894.99*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*24,593.46*	
		For Manual Roll Filter, Add	*38,516.08*	
		For Automatic Roll Filter, Add	*47,797.83*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*10,670.84*	
		For Electric Heating Coil, Add	*12,527.19*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*38,516.08*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*38,516.08*	
		For Steam Heating Coil, Aluminum Fins, Add	*19,952.59*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*47,797.83*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*47,797.83*	
		For 2 Coils, Independent Circuits, Add	*12,527.19*	
23 73 13 00-0078	EA	27,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	120,678.05	10,530.09
		For Economizer, Panel, Controls And Damper(s), Add	*4,018.24*	
		For Flat Filter Box And Throwaway Filters, Add	*11,316.72*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*16,899.98*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*27,916.27*	
		For Manual Roll Filter, Add	*43,764.73*	
		For Automatic Roll Filter, Add	*54,330.37*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*12,067.81*	
		For Electric Heating Coil, Add	*14,180.93*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*43,764.73*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*43,764.73*	
		For Steam Heating Coil, Aluminum Fins, Add	*22,633.45*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*54,330.37*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*54,330.37*	
		For 2 Coils, Independent Circuits, Add	*14,180.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0079	EA	30,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	130,807.25	11,334.25
		For Economizer, Panel, Controls And Damper(s), Add	*4,194.83*	
		For Flat Filter Box And Throwaway Filters, Add	*12,270.78*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*18,325.18*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*30,271.98*	
		For Manual Roll Filter, Add	*47,463.23*	
		For Automatic Roll Filter, Add	*58,924.07*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*13,080.73*	
		For Electric Heating Coil, Add	*15,372.89*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*47,463.23*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*47,463.23*	
		For Steam Heating Coil, Aluminum Fins, Add	*24,541.56*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*58,924.07*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*58,924.07*	
		For 2 Coils, Independent Circuits, Add	*15,372.89*	
23 73 13 00-0080	EA	32,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	146,140.07	13,262.75
		For Economizer, Panel, Controls And Damper(s), Add	*4,196.04*	
		For Flat Filter Box And Throwaway Filters, Add	*13,667.59*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*20,406.74*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*33,695.77*	
		For Manual Roll Filter, Add	*52,777.53*	
		For Automatic Roll Filter, Add	*65,498.71*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*14,614.01*	
		For Electric Heating Coil, Add	*17,158.24*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*52,777.53*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*52,777.53*	
		For Steam Heating Coil, Aluminum Fins, Add	*27,335.18*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*65,498.71*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*65,498.71*	
		For 2 Coils, Independent Circuits, Add	*17,158.24*	
23 73 13 00-0081	EA	35,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	146,848.02	13,745.38
		For Economizer, Panel, Controls And Damper(s), Add	*4,284.53*	
		For Flat Filter Box And Throwaway Filters, Add	*13,702.99*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*20,456.30*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*33,766.56*	
		For Manual Roll Filter, Add	*52,848.33*	
		For Automatic Roll Filter, Add	*65,569.50*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*14,684.80*	
		For Electric Heating Coil, Add	*17,229.04*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*52,848.33*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*52,848.33*	
		For Steam Heating Coil, Aluminum Fins, Add	*27,405.98*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*65,569.50*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*65,569.50*	
		For 2 Coils, Independent Circuits, Add	*17,229.04*	
23 73 13 00-0082	EA	37,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	153,602.43	14,227.22
		For Economizer, Panel, Controls And Damper(s), Add	*4,373.03*	
		For Flat Filter Box And Throwaway Filters, Add	*14,343.03*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*21,412.83*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*35,348.98*	
		For Manual Roll Filter, Add	*55,337.71*	
		For Automatic Roll Filter, Add	*68,663.54*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*15,360.24*	
		For Electric Heating Coil, Add	*18,025.41*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*55,337.71*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*55,337.71*	
		For Steam Heating Coil, Aluminum Fins, Add	*28,686.07*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*68,663.54*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*68,663.54*	
		For 2 Coils, Independent Circuits, Add	*18,025.41*	
23 73 13 00-0083	EA	40,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	160,676.31	15,272.65
		For Economizer, Panel, Controls And Damper(s), Add	*4,555.44*	
		For Flat Filter Box And Throwaway Filters, Add	*14,977.46*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*22,357.17*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*36,898.55*	
		For Manual Roll Filter, Add	*57,729.48*	
		For Automatic Roll Filter, Add	*71,616.76*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*16,067.63*	
		For Electric Heating Coil, Add	*18,845.09*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*57,729.48*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*57,729.48*	
		For Steam Heating Coil, Aluminum Fins, Add	*29,954.91*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*71,616.76*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*71,616.76*	
		For 2 Coils, Independent Circuits, Add	*18,845.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0084	EA	45,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	173,202.35	16,076.47
		For Economizer, Panel, Controls And Damper(s), Add	*4,688.10*	
		For Flat Filter Box And Throwaway Filters, Add	*16,177.00*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*24,151.17*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*39,870.87*	
		For Manual Roll Filter, Add	*62,421.51*	
		For Automatic Roll Filter, Add	*77,455.27*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*17,320.24*	
		For Electric Heating Coil, Add	*20,326.99*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*62,421.51*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*62,421.51*	
		For Steam Heating Coil, Aluminum Fins, Add	*32,353.99*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*77,455.27*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*77,455.27*	
		For 2 Coils, Independent Circuits, Add	*20,326.99*	
23 73 13 00-0085	EA	50,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	186,219.72	16,960.68
		For Economizer, Panel, Controls And Damper(s), Add	*4,326.03*	
		For Flat Filter Box And Throwaway Filters, Add	*17,408.96*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*25,992.13*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*42,915.88*	
		For Manual Roll Filter, Add	*67,209.79*	
		For Automatic Roll Filter, Add	*83,405.73*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*18,621.97*	
		For Electric Heating Coil, Add	*21,861.16*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*67,209.79*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*67,209.79*	
		For Steam Heating Coil, Aluminum Fins, Add	*34,817.91*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*83,405.73*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*83,405.73*	
		For 2 Coils, Independent Circuits, Add	*21,861.16*	
23 73 13 00-0086	EA	55,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	200,624.83	18,005.65
		For Economizer, Panel, Controls And Damper(s), Add	*4,470.87*	
		For Flat Filter Box And Throwaway Filters, Add	*18,777.05*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*28,037.03*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*46,299.91*	
		For Manual Roll Filter, Add	*72,537.33*	
		For Automatic Roll Filter, Add	*90,028.94*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*20,062.48*	
		For Electric Heating Coil, Add	*23,560.81*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*72,537.33*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*72,537.33*	
		For Steam Heating Coil, Aluminum Fins, Add	*37,554.10*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*90,028.94*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*90,028.94*	
		For 2 Coils, Independent Circuits, Add	*23,560.81*	
23 73 13 00-0087	EA	60,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	215,297.49	18,487.95
		For Economizer, Panel, Controls And Damper(s), Add	*4,536.45*	
		For Flat Filter Box And Throwaway Filters, Add	*20,211.52*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*30,185.46*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*49,869.70*	
		For Manual Roll Filter, Add	*78,209.65*	
		For Automatic Roll Filter, Add	*97,102.95*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*21,529.75*	
		For Electric Heating Coil, Add	*25,308.41*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*78,209.65*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*78,209.65*	
		For Steam Heating Coil, Aluminum Fins, Add	*40,423.05*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*97,102.95*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*97,102.95*	
		For 2 Coils, Independent Circuits, Add	*25,308.41*	

23 73 13 00-0088 Return/Supply Air Fan *(23 73 13)*

Note: Includes vibration mounts.

23 73 13 00-0089	EA	300 CFM Return Air Fan	3,624.33	642.94
23 73 13 00-0090	EA	500 CFM Return Air Fan	4,707.38	771.56
23 73 13 00-0091	EA	750 CFM Return Air Fan	4,917.32	803.71
23 73 13 00-0092	EA	1,000 CFM Return Air Fan	5,620.81	851.93
23 73 13 00-0093	EA	1,250 CFM Return Air Fan	5,790.18	892.13
23 73 13 00-0094	EA	1,500 CFM Return Air Fan	5,922.09	932.32
23 73 13 00-0095	EA	1,750 CFM Return Air Fan	6,215.06	980.55
23 73 13 00-0096	EA	2,000 CFM Return Air Fan	6,918.52	1,028.78
23 73 13 00-0097	EA	2,250 CFM Return Air Fan	7,248.69	1,077.00
23 73 13 00-0098	EA	2,500 CFM Return Air Fan	7,429.60	1,125.24
23 73 13 00-0099	EA	3,000 CFM Return Air Fan	7,862.76	1,245.81
23 73 13 00-0100	EA	3,500 CFM Return Air Fan	8,066.82	1,310.12
23 73 13 00-0101	EA	4,000 CFM Return Air Fan	8,259.13	1,366.38
23 73 13 00-0102	EA	4,500 CFM Return Air Fan	8,500.49	1,430.80
23 73 13 00-0103	EA	5,000 CFM Return Air Fan	8,715.66	1,503.15
23 73 13 00-0104	EA	5,500 CFM Return Air Fan	9,117.38	1,680.00
23 73 13 00-0105	EA	6,000 CFM Return Air Fan	10,348.92	1,993.48
23 73 13 00-0106	EA	6,500 CFM Return Air Fan	10,619.49	2,025.63
23 73 13 00-0107	EA	7,000 CFM Return Air Fan	10,742.43	2,033.67
23 73 13 00-0108	EA	8,000 CFM Return Air Fan	11,311.59	2,065.83
23 73 13 00-0109	EA	9,000 CFM Return Air Fan	11,566.17	2,089.94
23 73 13 00-0110	EA	10,000 CFM Return Air Fan	12,170.16	2,170.67

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0111	EA	12,500 CFM Return Air Fan	12,971.97	2,210.40
23 73 13 00-0112	EA	15,000 CFM Return Air Fan	14,668.26	2,273.21
23 73 13 00-0113	EA	17,500 CFM Return Air Fan	15,999.45	2,395.28
23 73 13 00-0114	EA	20,000 CFM Return Air Fan	19,059.44	2,499.54
23 73 13 00-0115	EA	22,500 CFM Return Air Fan	19,975.65	2,586.71
23 73 13 00-0116	EA	25,000 CFM Return Air Fan	20,888.52	2,660.66
23 73 13 00-0117	EA	27,500 CFM Return Air Fan	22,130.29	2,925.92
23 73 13 00-0118	EA	30,000 CFM Return Air Fan	23,665.11	3,086.45
23 73 13 00-0119	EA	35,000 CFM Return Air Fan	26,723.86	3,214.95
23 73 13 00-0120	EA	40,000 CFM Return Air Fan	31,512.78	3,536.48
23 73 13 00-0121	EA	45,000 CFM Return Air Fan	38,806.86	4,018.77
23 73 13 00-0122	EA	50,000 CFM Return Air Fan	47,300.07	4,163.81
23 73 13 00-0123	EA	55,000 CFM Return Air Fan	49,519.03	4,284.03
23 73 13 00-0124	EA	60,000 CFM Return Air Fan	50,656.68	4,396.57
23 73 13 00-0125	EA	65,000 CFM Return Air Fan	53,127.46	4,589.38
23 73 13 00-0126	EA	70,000 CFM Return Air Fan	55,802.30	4,815.36
23 73 13 00-0127	EA	75,000 CFM Return Air Fan	60,029.52	5,051.58
23 73 13 00-0128	EA	80,000 CFM Return Air Fan	62,688.65	5,319.36
23 73 13 00-0129	EA	90,000 CFM Return Air Fan	64,718.84	5,622.28
23 73 13 00-0130	EA	100,000 CFM Return Air Fan	69,601.53	5,879.63
23 73 13 00-0131	EA	115,000 CFM Return Air Fan	74,892.58	6,160.85
23 73 13 00-0132	EA	130,000 CFM Return Air Fan	80,634.60	6,471.24
23 73 13 00-0133	EA	150,000 CFM Return Air Fan	88,252.18	6,815.96

23 73 13 00-0134 Removal And Reinstallation Of Air Handling Unit *(23 73 13)*

Note: Air handling units with filter and coils. Includes storage and cleaning. Excludes ductwork.

23 73 13 00-0135	EA	Removal And Reinstallation Of Up To 11,500 CFM Air Handling Unit	2,944.41	
23 73 13 00-0136	EA	Removal And Reinstallation Of >11,500 To 16,500 CFM Air Handling Unit	3,994.15	
23 73 13 00-0137	EA	Removal And Reinstallation Of >16,500 To 22,000 CFM Air Handling Unit	4,968.69	
23 73 13 00-0138	EA	Removal And Reinstallation Of >22,000 CFM Air Handling Unit	9,065.69	

23 74 Packaged Outdoor HVAC Equipment *(23 70)*

23 74 16 Packaged Rooftop Air-Conditioning Units *(23 74)*

23 74 16 13 Packaged, Large-Capacity, Rooftop Air-Conditioning Units *(23 74 16)*

23 74 16 13-0001 Electric Cooling, Electric Heat, Self Contained Packaged Rooftop Air-Conditioning Units *(23 74 16 13)*

Note: Electric heating capacity is approximately 1/2 the cooling capacity. Units < 5 tons have 14 SEER, units 5 to < 20 tons have 11 EER, and units 20 tons and over have 10 EER. Includes roof curb and economizer. Excludes crane and associated personnel. See CSI section 01 22 23 00-0968 for crane lifting equipment, 26 28 16 16-0001 for disconnects.

23 74 16 13-0002	EA	2 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	5,795.20	1,808.73
		For Unit Without Heat, Deduct	*-410.34*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,136.65*	
		For Unit Without Roof Curb, Deduct	*-747.91*	
23 74 16 13-0003	EA	3 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	6,554.96	1,890.94
		For Unit Without Heat, Deduct	*-453.81*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,136.65*	
		For Unit Without Roof Curb, Deduct	*-747.91*	
23 74 16 13-0004	EA	4 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	7,825.75	1,973.16
		For Unit Without Heat, Deduct	*-522.83*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,136.65*	
		For Unit Without Roof Curb, Deduct	*-747.91*	
23 74 16 13-0005	EA	5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	9,349.92	2,096.48
		For Unit Without Heat, Deduct	*-607.26*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,136.65*	
		For Unit Without Roof Curb, Deduct	*-747.91*	
23 74 16 13-0006	EA	6 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	10,128.01	2,219.80
		For Unit Without Heat, Deduct	*-654.39*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,136.65*	
		For Unit Without Roof Curb, Deduct	*-747.91*	
23 74 16 13-0007	EA	7.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	11,784.42	2,384.23
		For Unit Without Heat, Deduct	*-748.17*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,160.14*	
		For Unit Without Roof Curb, Deduct	*-897.53*	
23 74 16 13-0008	EA	8.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	14,130.16	2,507.55
		For Unit Without Heat, Deduct	*-873.68*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,160.14*	
		For Unit Without Roof Curb, Deduct	*-897.53*	
23 74 16 13-0009	EA	10 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	14,897.30	2,671.99
		For Unit Without Heat, Deduct	*-923.00*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,186.42*	
		For Unit Without Roof Curb, Deduct	*-897.53*	
23 74 16 13-0010	EA	12.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	18,288.09	2,887.38
		For Unit Without Heat, Deduct	*-1,106.92*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,281.34*	
		For Unit Without Roof Curb, Deduct	*-897.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0011	EA	15 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	19,855.89	3,103.61
		For Unit Without Heat, Deduct	*-1,199.70*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-897.53*	
23 74 16 13-0012	EA	17.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	22,691.65	3,319.29
		For Unit Without Heat, Deduct	*-1,355.88*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-897.53*	
23 74 16 13-0013	EA	20 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	25,592.75	3,535.24
		For Unit Without Heat, Deduct	*-1,515.32*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-897.53*	
23 74 16 13-0014	EA	22.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	28,485.74	3,894.80
		For Unit Without Heat, Deduct	*-1,683.95*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-897.53*	
23 74 16 13-0015	EA	25 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	30,389.82	4,254.62
		For Unit Without Heat, Deduct	*-1,803.13*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-897.53*	
23 74 16 13-0016	EA	27.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	32,646.82	4,655.56
		For Unit Without Heat, Deduct	*-1,942.70*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-1,381.43*	
23 74 16 13-0017	EA	30 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	35,646.86	5,056.21
		For Unit Without Heat, Deduct	*-2,119.42*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-1,381.43*	
23 74 16 13-0018	EA	35 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	41,333.41	5,898.91
		For Unit Without Heat, Deduct	*-2,459.93*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-1,381.43*	
23 74 16 13-0019	EA	40 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	47,443.08	6,741.62
		For Unit Without Heat, Deduct	*-2,821.60*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-2,102.00*	
23 74 16 13-0020	EA	45 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	51,905.45	7,604.88
		For Unit Without Heat, Deduct	*-3,102.26*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-2,102.00*	
23 74 16 13-0021	EA	50 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	59,854.84	8,468.14
		For Unit Without Heat, Deduct	*-3,557.28*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-2,102.00*	
23 74 16 13-0022	EA	55 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	66,655.55	9,290.28
		For Unit Without Heat, Deduct	*-3,952.13*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-2,614.79*	
23 74 16 13-0023	EA	60 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	72,076.28	10,112.43
		For Unit Without Heat, Deduct	*-4,277.98*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-2,614.79*	
23 74 16 13-0024	EA	65 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	77,251.94	10,934.58
		For Unit Without Heat, Deduct	*-4,591.57*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-2,659.12*	
23 74 16 13-0025	EA	70 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	83,078.13	11,756.73
		For Unit Without Heat, Deduct	*-4,937.69*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-2,659.12*	
23 74 16 13-0026	EA	75 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	89,993.87	12,661.09
		For Unit Without Heat, Deduct	*-5,343.77*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-2,960.59*	

23 74 16 13-0027 Electric Cooling, Gas Heat, Self Contained Packaged Rooftop Air-Conditioning Units *(23 74 16 13)*

Note: Units < 5 tons have 14 SEER, units 5 to < 20 tons have 11 EER, and units 20 tons and over have 10 EER. Includes roof curb and economizer. Excludes crane and associated personnel. See CSI section 01 22 23 00-0968 for crane lifting equipment, 26 28 16 16-0001 for Disconnects.

23 74 16 13-0028	EA	2 Ton Electric Cooling, 50 MBH Gas Heating, Self Contained Package Rooftop Unit	5,678.56	1,644.29
		For Unit Without Factory Installed Economizer, Deduct	*-1,136.65*	
		For Unit Without Roof Curb, Deduct	*-747.91*	
23 74 16 13-0029	EA	3 Ton Electric Cooling, 60 To 80 MBH Gas Heating, Self Contained Package Rooftop Unit	6,629.91	1,890.94
		For Unit Without Factory Installed Economizer, Deduct	*-1,136.65*	
		For Unit Without Roof Curb, Deduct	*-747.91*	
23 74 16 13-0030	EA	4 Ton Electric Cooling, 80 To 110 MBH Gas Heating, Self Contained Package Rooftop Unit	8,359.53	2,178.69
		For Unit Without Factory Installed Economizer, Deduct	*-1,136.65*	
		For Unit Without Roof Curb, Deduct	*-747.91*	
23 74 16 13-0031	EA	5 Ton Electric Cooling, 100 To 120 MBH Gas Heating, Self Contained Package Rooftop Unit	9,489.19	2,343.13
		For Unit Without Factory Installed Economizer, Deduct	*-1,136.65*	
		For Unit Without Roof Curb, Deduct	*-747.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0032	EA	6 Ton Electric Cooling, 140 MBH Gas Heating, Self Contained Package Rooftop Unit	10,739.74	2,528.11
		For Unit Without Factory Installed Economizer, Deduct	*-1,136.65*	
		For Unit Without Roof Curb, Deduct	*-747.91*	
23 74 16 13-0033	EA	7.5 Ton Electric Cooling, 150 To 180 MBH Gas Heating, Self Contained Package Rooftop Unit	12,570.96	2,651.43
		For Unit Without Factory Installed Economizer, Deduct	*-1,160.14*	
		For Unit Without Roof Curb, Deduct	*-897.53*	
23 74 16 13-0034	EA	8.5 Ton Electric Cooling, 170 To 190 MBH Gas Heating, Self Contained Package Rooftop Unit	15,674.73	2,199.24
		For Unit Without Factory Installed Economizer, Deduct	*-1,160.14*	
		For Unit Without Roof Curb, Deduct	*-897.53*	
23 74 16 13-0035	EA	10 Ton Electric Cooling, 200 To 240 MBH Gas Heating, Self Contained Package Rooftop Unit	16,131.07	2,959.74
		For Unit Without Factory Installed Economizer, Deduct	*-1,186.42*	
		For Unit Without Roof Curb, Deduct	*-897.53*	
23 74 16 13-0036	EA	12.5 Ton Electric Cooling, 250 MBH Gas Heating, Self Contained Package Rooftop Unit	20,156.63	3,206.38
		For Unit Without Factory Installed Economizer, Deduct	*-1,281.34*	
		For Unit Without Roof Curb, Deduct	*-897.53*	
23 74 16 13-0037	EA	15 Ton Electric Cooling, 300 MBH Gas Heating, Self Contained Package Rooftop Unit	21,926.54	3,453.03
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-897.53*	
23 74 16 13-0038	EA	17.5 Ton Electric Cooling, 330 MBH Gas Heating, Self Contained Package Rooftop Unit	25,481.86	3,699.67
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-897.53*	
23 74 16 13-0039	EA	20 Ton Electric Cooling, 350 MBH Gas Heating, Self Contained Package Rooftop Unit	32,288.76	3,946.31
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-897.53*	
23 74 16 13-0040	EA	22.5 Ton Electric Cooling, 380 MBH Gas Heating, Self Contained Package Rooftop Unit	39,420.35	4,357.39
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-897.53*	
23 74 16 13-0041	EA	25 Ton Electric Cooling, 400 MBH Gas Heating, Self Contained Package Rooftop Unit	46,551.95	4,713.65
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-897.53*	
23 74 16 13-0042	EA	27.5 Ton Electric Cooling, 450 MBH Gas Heating, Self Contained Package Rooftop Unit	47,966.30	5,179.54
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-1,381.43*	
23 74 16 13-0043	EA	30 Ton Electric Cooling, 500 MBH Gas Heating, Self Contained Package Rooftop Unit	50,080.07	5,590.62
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-1,381.43*	
23 74 16 13-0044	EA	35 Ton Electric Cooling, 550 MBH Gas Heating, Self Contained Package Rooftop Unit	55,762.88	6,536.08
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-1,381.43*	
23 74 16 13-0045	EA	40 Ton Electric Cooling, 600 MBH Gas Heating, Self Contained Package Rooftop Unit	61,974.09	7,481.55
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-2,102.00*	
23 74 16 13-0046	EA	45 Ton Electric Cooling, 650 MBH Gas Heating, Self Contained Package Rooftop Unit	67,084.69	8,427.03
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-2,102.00*	
23 74 16 13-0047	EA	50 Ton Electric Cooling, 750 MBH Gas Heating, Self Contained Package Rooftop Unit	71,633.82	9,372.49
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-2,102.00*	
23 74 16 13-0048	EA	55 Ton Electric Cooling, 800 MBH Gas Heating, Self Contained Package Rooftop Unit	78,786.53	10,317.96
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-2,614.79*	
23 74 16 13-0049	EA	60 Ton Electric Cooling, 850 MBH Gas Heating, Self Contained Package Rooftop Unit	85,637.91	11,263.44
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-2,614.79*	
23 74 16 13-0050	EA	65 Ton Electric Cooling, 900 MBH Gas Heating, Self Contained Package Rooftop Unit	92,422.73	11,736.17
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-2,659.12*	
23 74 16 13-0051	EA	70 Ton Electric Cooling, 950 MBH Gas Heating, Self Contained Package Rooftop Unit	99,281.89	12,188.36
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-2,659.12*	
23 74 16 13-0052	EA	75 Ton Electric Cooling, 1,000 MBH Gas Heating, Self Contained Package Rooftop Unit	109,144.84	12,661.09
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-2,960.59*	
23 74 16 13-0053	EA	80 Ton Electric Cooling, 1,100 MBH Gas Heating, Self Contained Package Rooftop Unit	103,889.17	13,154.38
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-2,960.59*	
23 74 16 13-0054	EA	90 Ton Electric Cooling, 1,200 MBH Gas Heating, Self Contained Package Rooftop Unit	150,125.19	15,456.39
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-2,960.59*	
23 74 16 13-0055	EA	100 Ton Electric Cooling, 1,350 MBH Gas Heating, Self Contained Package Rooftop Unit	169,084.47	18,827.21
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-2,960.59*	

23 74 16 13-0056 Dedicated Outdoor Air Systems (DOAS) Rooftop Air-Conditioning Units *(23 74 16 13)*

Note: Units < 5 tons have 14 SEER minimum, units 5 to < 20 tons have 11 EER minimum, and units 20 tons and over have 10 EER minimum, Excludes crane and associated personnel. See CSI section 01 22 23 00-0968 for crane lifting equipment, 07 72 13 00-0000 for roof curbs, 23 09 23 00-0000 for controls, 26 28 16 16-0001 for disconnects.

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0057		**AAON RQ Rooftop Units** *(23 74 16 13-0056)* Note: Includes 2" double wall foam panel construction, direct drive fan with VFD (or ECM motor), single stage on/off scroll compressor, terminal strip for field supplied thermostat, gas heat, manually adjustable OSA damper, microchannel condenser coils. Excludes economizer, controls, disconnect, roof curb, items not specifically mentioned above. Excludes crane and associated personnel. See CSI section 01 22 23 00-0968 for crane lifting equipment.		
23 74 16 13-0058	EA	2 Ton, Air-Cooled Packaged Rooftop Units (AAON RQ-002)	14,544.92	1,644.29
		For Factory Installed And Wired Dry Bulb Economizer, Add	*1,564.12*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*1,696.97*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,336.02*	
		For Factory Installed Non-Fused Disconnect, Add	*1,529.03*	
		For Factory Installed Exhaust Fan, Add	*7,795.53*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,819.79*	
23 74 16 13-0059	EA	3 Ton, Air-Cooled Packaged Rooftop Units (AAON RQ-003)	15,851.36	1,890.94
		For Factory Installed And Wired Dry Bulb Economizer, Add	*1,676.92*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*1,819.79*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,431.27*	
		For Factory Installed Non-Fused Disconnect, Add	*1,639.32*	
		For Factory Installed Exhaust Fan, Add	*7,795.53*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,819.79*	
23 74 16 13-0060	EA	4 Ton, Air-Cooled Packaged Rooftop Units (AAON RQ-004)	16,458.11	2,178.69
		For Factory Installed And Wired Dry Bulb Economizer, Add	*1,676.92*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*1,819.79*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,431.27*	
		For Factory Installed Non-Fused Disconnect, Add	*1,639.32*	
		For Factory Installed Exhaust Fan, Add	*7,795.53*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,819.79*	
23 74 16 13-0061	EA	5 Ton, Air-Cooled Packaged Rooftop Units (AAON RQ-005)	16,875.37	2,343.13
		For Factory Installed And Wired Dry Bulb Economizer, Add	*1,676.92*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*1,819.79*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,431.27*	
		For Factory Installed Non-Fused Disconnect, Add	*1,639.32*	
		For Factory Installed Exhaust Fan, Add	*7,795.53*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,819.79*	
23 74 16 13-0062	EA	6 Ton, Air-Cooled Packaged Rooftop Units (AAON RQ-006)	18,463.05	2,857.02
		For Factory Installed And Wired Dry Bulb Economizer, Add	*1,676.92*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*1,819.79*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,431.27*	
		For Factory Installed Non-Fused Disconnect, Add	*1,639.32*	
		For Factory Installed Exhaust Fan, Add	*7,795.53*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,819.79*	
23 74 16 13-0063		**AAON RNA Rooftop Units** *(23 74 16 13-0056)* Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, single stage on/off compressor, terminal strip for field provided thermostat, gas heat, manually adjustable OSA damper. Excludes economizer, controls, disconnect, roof curb, items not specifically mentioned above. Excludes crane and associated personnel. See CSI section 01 22 23 00-0968 for crane lifting equipment.		
23 74 16 13-0064	EA	6 Ton, Air-Cooled Packaged Rooftop Units (AAON RNA-006)	22,375.85	2,528.16
		For Factory Installed And Wired Dry Bulb Economizer, Add	*1,631.80*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*2,506.60*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,671.90*	
		For Factory Installed Non-Fused Disconnect, Add	*1,544.07*	
		For Factory Installed Exhaust Fan, Add	*4,163.46*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,418.74*	
23 74 16 13-0065	EA	7 Ton, Air-Cooled Packaged Rooftop Units (AAON RNA-007)	23,891.34	2,651.49
		For Factory Installed And Wired Dry Bulb Economizer, Add	*1,631.80*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*2,506.60*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,671.90*	
		For Factory Installed Non-Fused Disconnect, Add	*1,544.07*	
		For Factory Installed Exhaust Fan, Add	*4,163.46*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,418.74*	
23 74 16 13-0066	EA	8 Ton, Air-Cooled Packaged Rooftop Units (AAON RNA-008)	27,444.02	2,857.02
		For Factory Installed And Wired Dry Bulb Economizer, Add	*1,631.80*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*2,506.60*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,671.90*	
		For Factory Installed Non-Fused Disconnect, Add	*1,544.07*	
		For Factory Installed Exhaust Fan, Add	*4,163.46*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,418.74*	
23 74 16 13-0067	EA	10 Ton, Air-Cooled Packaged Rooftop Units (AAON RNA-010)	27,713.89	2,959.74
		For Factory Installed And Wired Dry Bulb Economizer, Add	*1,631.80*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*2,506.60*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,671.90*	
		For Factory Installed Non-Fused Disconnect, Add	*1,544.07*	
		For Factory Installed Exhaust Fan, Add	*4,163.46*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,418.74*	
23 74 16 13-0068		**AAON RNB Rooftop Units** *(23 74 16 13-0056)* Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (1) on/off scroll compressors, terminal strip for field provided thermostat, gas heat, factory installed 3 position economizer. Excludes controls, disconnect, roof curb, items not specifically mentioned above. Excludes crane and associated personnel. See CSI section 01 22 23 00-0968 for crane lifting equipment.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0069	EA	9 Ton, Air-Cooled Packaged Rooftop Units (AAON RNB-009)	32,915.09	2,959.74
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*2,403.83*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,879.95*	
		For Factory Installed Non-Fused Disconnect, Add	*1,491.43*	
		For Factory Installed Exhaust Fan, Add	*3,970.45*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,426.26*	
23 74 16 13-0070	EA	11 Ton, Air-Cooled Packaged Rooftop Units (AAON RNB-011)	33,173.94	2,877.52
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*2,403.83*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,879.95*	
		For Factory Installed Non-Fused Disconnect, Add	*1,491.43*	
		For Factory Installed Exhaust Fan, Add	*3,970.45*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,426.26*	
23 74 16 13-0071	EA	13 Ton, Air-Cooled Packaged Rooftop Units (AAON RNB-013)	36,164.14	3,206.38
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*2,403.83*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,879.95*	
		For Factory Installed Non-Fused Disconnect, Add	*1,491.43*	
		For Factory Installed Exhaust Fan, Add	*3,970.45*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,426.26*	
23 74 16 13-0072	EA	15 Ton, Air-Cooled Packaged Rooftop Units (AAON RNB-015)	37,074.53	3,453.03
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*2,403.83*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,879.95*	
		For Factory Installed Non-Fused Disconnect, Add	*1,491.43*	
		For Factory Installed Exhaust Fan, Add	*3,970.45*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,426.26*	

23 74 16 13-0073 AAON RNC Rooftop Units *(23 74 16 13-0056)*

Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (2) on/off scroll compressors, terminal strip for field provided thermostat, gas heat, factory installed 3 position economizer. Excludes controls, disconnect, roof curb, items not specifically mentioned above. Excludes crane and associated personnel.

23 74 16 13-0074	EA	16 Ton, Air-Cooled Packaged Rooftop Units (AAON RNC-016)	47,832.85	3,453.03
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*3,549.35*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*2,506.60*	
		For Factory Installed Non-Fused Disconnect, Add	*1,491.43*	
		For Factory Installed Exhaust Fan, Add	*7,281.67*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*649.21*	
23 74 16 13-0075	EA	18 Ton, Air-Cooled Packaged Rooftop Units (AAON RNC-018)	51,675.97	3,699.67
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*3,549.35*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*2,506.60*	
		For Factory Installed Non-Fused Disconnect, Add	*1,491.43*	
		For Factory Installed Exhaust Fan, Add	*7,281.67*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*649.21*	
23 74 16 13-0076	EA	20 Ton, Air-Cooled Packaged Rooftop Units (AAON RNC-020)	54,754.58	3,946.31
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*3,549.35*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*2,506.60*	
		For Factory Installed Non-Fused Disconnect, Add	*1,491.43*	
		For Factory Installed Exhaust Fan, Add	*7,281.67*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*649.21*	
23 74 16 13-0077	EA	25 Ton, Air-Cooled Packaged Rooftop Units (AAON RNC-025)	59,202.09	4,768.46
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*3,549.35*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*2,506.60*	
		For Factory Installed Non-Fused Disconnect, Add	*1,491.43*	
		For Factory Installed Exhaust Fan, Add	*7,281.67*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*649.21*	
23 74 16 13-0078	EA	30 Ton, Air-Cooled Packaged Rooftop Units (AAON RNC-030)	67,128.78	5,590.62
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*3,549.35*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*2,506.60*	
		For Factory Installed Non-Fused Disconnect, Add	*1,491.43*	
		For Factory Installed Exhaust Fan, Add	*7,281.67*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*649.21*	

23 74 16 13-0079 AAON RND Rooftop Units *(23 74 16 13-0056)*

Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (2) variable capacity digital scroll compressor and (2) on/off compressor, VAV unit controller (varies fan speed and compressor capacity for energy savings year round), cooling only - no heat, factory installed economizer with powered exhaust fans with VFD's, (building static pressure control), factory installed non-fused disconnect and factory start up. Excludes roof curb, items not specifically mentioned above. Excludes crane and associated personnel.

23 74 16 13-0080	EA	26 Ton, Air-Cooled Packaged Rooftop Units (AAON RND-026)	90,100.95	4,768.46
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,133.25*	
		For Factory Installed Non-Fused Disconnect, Add	*3,393.94*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*4,762.54*	
23 74 16 13-0081	EA	31 Ton, Air-Cooled Packaged Rooftop Units (AAON RND-031)	102,654.82	5,590.62
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,133.25*	
		For Factory Installed Non-Fused Disconnect, Add	*3,393.94*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*4,762.54*	
23 74 16 13-0082	EA	40 Ton, Air-Cooled Packaged Rooftop Units (AAON RND-040)	120,889.95	7,481.55
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,133.25*	
		For Factory Installed Non-Fused Disconnect, Add	*3,393.94*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*4,762.54*	
23 74 16 13-0083	EA	50 Ton, Air-Cooled Packaged Rooftop Units (AAON RND-050)	141,734.45	9,372.49
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,133.25*	
		For Factory Installed Non-Fused Disconnect, Add	*3,393.94*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*4,762.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0084	EA	60 Ton, Air-Cooled Packaged Rooftop Units (AAON RND-060)	155,623.13	11,263.44
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,133.25*	
		For Factory Installed Non-Fused Disconnect, Add	*3,393.94*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*4,762.54*	
23 74 16 13-0085	EA	70 Ton, Air-Cooled Packaged Rooftop Units (AAON RND-070)	163,741.99	12,188.41
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,133.25*	
		For Factory Installed Non-Fused Disconnect, Add	*3,393.94*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*4,762.54*	

23 74 16 13-0086 AAON RNE Rooftop Units *(23 74 16 13-0056)*

Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (1 or 2) variable speed VFD controlled scroll compressor and (1 or 2) on/off compressor, VAV unit controller (varies fan speed and compressor capacity for energy savings year round), cooling only - no heat, factory installed economizer with powered exhaust fans with VFD's, (building static pressure control), Microchannel condenser coils with VFD controlled condenser fans, factory installed non-fused disconnect and factory start up. Excludes roof curb, items not specifically mentioned above. Excludes crane and associated personnel.

23 74 16 13-0087	EA	55 Ton, Air-Cooled Packaged Rooftop Units (AAON RNE-055)	151,264.34	10,317.96
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,539.32*	
		For Factory Installed Non-Fused Disconnect, Add	*5,083.38*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*6,767.82*	
23 74 16 13-0088	EA	65 Ton, Air-Cooled Packaged Rooftop Units (AAON RNE-065)	166,603.20	11,736.22
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,539.32*	
		For Factory Installed Non-Fused Disconnect, Add	*5,083.38*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*6,767.82*	
23 74 16 13-0089	EA	75 Ton, Air-Cooled Packaged Rooftop Units (AAON RNE-075)	177,133.41	12,661.09
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,539.32*	
		For Factory Installed Non-Fused Disconnect, Add	*5,083.38*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*6,767.82*	
23 74 16 13-0090	EA	95 Ton, Air-Cooled Packaged Rooftop Units (AAON RNE-090)	214,274.75	17,141.80
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,539.32*	
		For Factory Installed Non-Fused Disconnect, Add	*5,083.38*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*6,767.82*	
23 74 16 13-0091	EA	105 Ton, Air-Cooled Packaged Rooftop Units (AAON RNE-105)	232,039.31	19,567.15
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,539.32*	
		For Factory Installed Non-Fused Disconnect, Add	*5,083.38*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*6,767.82*	
23 74 16 13-0092	EA	120 Ton, Air-Cooled Packaged Rooftop Units (AAON RNE-120)	270,649.89	21,540.29
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,539.32*	
		For Factory Installed Non-Fused Disconnect, Add	*5,083.38*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*6,767.82*	
23 74 16 13-0093	EA	130 Ton, Air-Cooled Packaged Rooftop Units (AAON RNE-130)	277,234.03	22,855.73
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,539.32*	
		For Factory Installed Non-Fused Disconnect, Add	*5,083.38*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*6,767.82*	
23 74 16 13-0094	EA	140 Ton, Air-Cooled Packaged Rooftop Units (AAON RNE-140)	290,474.32	25,568.84
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,539.32*	
		For Factory Installed Non-Fused Disconnect, Add	*5,083.38*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*6,767.82*	

23 74 16 13-0095 Removal And Reinstallation Of Packaged Rooftop Air-Conditioning Units *(23 74 16 13)*

Note: Includes storage and cleaning.

23 74 16 13-0096	EA	Removal And Reinstallation Of Up To 5 Ton, Rooftop Unit	646.46
23 74 16 13-0097	EA	Removal And Reinstallation Of >5 To 10 Ton, Rooftop Unit	881.54
23 74 16 13-0098	EA	Removal And Reinstallation Of >10 To 15 Ton, Rooftop Unit	1,175.27
23 74 16 13-0099	EA	Removal And Reinstallation Of >15 To 25 Ton, Rooftop Unit	1,879.84
23 74 16 13-0100	EA	Removal And Reinstallation Of >25 To 50 Ton, Rooftop Unit	3,290.23
23 74 16 13-0101	EA	Removal And Reinstallation Of >50 To 75 Ton, Rooftop Unit	4,701.08

23 74 16 13-0102 Packaged Rooftop Units (Trane, Carrier Or Equal) *(23 74 16 13)*

Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0968 for crane lifting equipment, 26 28 16 16-0001 for disconnects.

23 74 16 13-0103 Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane, Carrier Or Equal) *(23 74 16 13-0102)*

23 74 16 13-0104 Standard Efficiency Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane, Carrier Or Equal) *(23 74 16 13-0103)*

Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0968 for crane lifting equipment.

23 74 16 13-0105	EA	3 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Precedent YSC036)	11,428.08	1,890.94
		For Factory Installed Economizer, Add	*1,138.98*	
		For Roof Curb, Add	*747.95*	
		For Factory Installed BACnet, Add	*1,004.45*	
		For Demand Control Ventilation, Add	*1,816.47*	
		Note: Includes CO2 wall mounted sensor.		
23 74 16 13-0106	EA	4 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Precedent YSC048)	12,726.72	2,178.69
		For Factory Installed Economizer, Add	*1,233.90*	
		For Roof Curb, Add	*747.95*	
		For Factory Installed BACnet, Add	*1,004.45*	
		For Demand Control Ventilation, Add	*1,816.47*	
		Note: Includes CO2 wall mounted sensor.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0107	EA	5 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Precedent YSC060)	13,887.52	2,343.13
		For Factory Installed Economizer, Add	*1,233.90*	
		For Roof Curb, Add	*747.95*	
		For Factory Installed BACnet, Add	*1,004.45*	
		For Demand Control Ventilation, Add	*1,816.47*	
		Note: Includes CO2 wall mounted sensor.		
23 74 16 13-0108	EA	6 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Precedent YSC072)	15,324.41	2,528.16
		For Factory Installed Economizer, Add	*1,233.90*	
		For Roof Curb, Add	*747.95*	
		For Factory Installed BACnet, Add	*1,004.45*	
		For Demand Control Ventilation, Add	*1,816.47*	
		Note: Includes CO2 wall mounted sensor.		
23 74 16 13-0109	EA	7.5 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Precedent YSC092)	17,918.66	2,651.49
		For Factory Installed Economizer, Add	*1,233.90*	
		For Roof Curb, Add	*897.53*	
		For Factory Installed BACnet, Add	*1,004.45*	
		For Demand Control Ventilation, Add	*1,816.47*	
		Note: Includes CO2 wall mounted sensor.		
23 74 16 13-0110	EA	8.5 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Precedent YSC102)	19,456.98	2,857.02
		For Factory Installed Economizer, Add	*1,233.90*	
		For Roof Curb, Add	*897.53*	
		For Factory Installed BACnet, Add	*1,004.45*	
		For Demand Control Ventilation, Add	*1,816.47*	
		Note: Includes CO2 wall mounted sensor.		
23 74 16 13-0111	EA	10 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Precedent YSC120)	25,693.23	2,959.74
		For Factory Installed Economizer, Add	*1,233.90*	
		For Roof Curb, Add	*897.53*	
		For Factory Installed BACnet, Add	*1,004.45*	
		For Demand Control Ventilation, Add	*1,816.47*	
		Note: Includes CO2 wall mounted sensor.		
23 74 16 13-0112	EA	12.5 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Voyager YSD150)	29,492.19	3,206.38
		For Economizer, Add	*2,172.66*	
		For Roof Curb, Add	*840.13*	
		For Factory Installed BACnet, Add	*1,004.45*	
		For Demand Control Ventilation, Add	*2,243.25*	
		Note: Includes ventilation module and CO2 wall mounted sensor kit.		
23 74 16 13-0113	EA	15 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Voyager YSD180)	32,218.60	3,453.03
		For Economizer, Add	*2,172.66*	
		For Roof Curb, Add	*840.13*	
		For Factory Installed BACnet, Add	*1,004.45*	
		For Demand Control Ventilation, Add	*2,243.25*	
		Note: Includes ventilation module and CO2 wall mounted sensor kit.		
23 74 16 13-0114	EA	17.5 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Voyager YSD210)	37,179.31	3,699.67
		For Economizer, Add	*2,172.66*	
		For Roof Curb, Add	*840.13*	
		For Factory Installed BACnet, Add	*1,004.45*	
		For Demand Control Ventilation, Add	*2,243.25*	
		Note: Includes ventilation module and CO2 wall mounted sensor kit.		
23 74 16 13-0115	EA	20 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Voyager YSD240)	40,611.90	3,946.31
		For Economizer, Add	*2,172.66*	
		For Roof Curb, Add	*840.13*	
		For Factory Installed BACnet, Add	*1,004.45*	
		For Demand Control Ventilation, Add	*2,243.25*	
		Note: Includes ventilation module and CO2 wall mounted sensor kit.		
23 74 16 13-0116	EA	25 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Voyager YSD300)	46,869.57	4,768.46
		For Economizer, Add	*2,172.66*	
		For Roof Curb, Add	*840.13*	
		For Factory Installed BACnet, Add	*1,004.45*	
		For Demand Control Ventilation, Add	*2,243.25*	
		Note: Includes ventilation module and CO2 wall mounted sensor kit.		
23 74 16 13-0117	EA	27.5 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Voyager III YCD330)	51,130.75	5,179.54
		For Factory Installed BACnet, Add	*1,004.45*	
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,133.90*	
		For Economizer And Powered Exhaust, Add	*4,858.16*	
		For Roof Curb, Add	*1,471.89*	
23 74 16 13-0118	EA	30 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Voyager III YCD360)	53,903.65	5,590.62
		For Factory Installed BACnet, Add	*1,004.45*	
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,133.90*	
		For Economizer And Powered Exhaust, Add	*4,858.16*	
		For Roof Curb, Add	*1,471.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0119	EA	35 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Voyager III YCD420)	60,519.39	6,536.08
		For Factory Installed BACnet, Add	*1,004.45*	
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,133.90*	
		For Economizer And Powered Exhaust, Add	*4,858.16*	
		For Roof Curb, Add	*1,471.89*	
23 74 16 13-0120	EA	40 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Voyager III YCD480)	65,977.16	7,481.55
		For Factory Installed BACnet, Add	*1,004.45*	
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,133.90*	
		For Economizer And Powered Exhaust, Add	*4,858.16*	
		For Roof Curb, Add	*1,678.65*	
23 74 16 13-0121	EA	50 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Voyager III YCD600)	76,913.57	9,372.49
		For Factory Installed BACnet, Add	*1,004.45*	
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,133.90*	
		For Economizer And Powered Exhaust, Add	*4,858.16*	
		For Roof Curb, Add	*1,678.65*	
23 74 16 13-0122	EA	55 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Intellipak SFHLF554)	111,479.87	10,317.96
		For Economizer And Powered Exhaust, Add	*13,128.75*	
		For Roof Curb, Add	*2,659.18*	
		For Factory Installed BACnet, Add	*1,387.04*	
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,133.90*	
23 74 16 13-0123	EA	60 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Intellipak SFHLF604)	120,043.26	11,263.44
		For Economizer And Powered Exhaust, Add	*14,867.29*	
		For Roof Curb, Add	*2,960.63*	
		For Factory Installed BACnet, Add	*1,387.04*	
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,133.90*	
23 74 16 13-0124	EA	70 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Intellipak SFHLF704)	134,743.03	12,188.41
		For Economizer And Powered Exhaust, Add	*15,436.48*	
		For Roof Curb, Add	*2,960.63*	
		For Factory Installed BACnet, Add	*1,387.04*	
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,133.90*	
23 74 16 13-0125	EA	75 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Intellipak SFHLF754)	145,918.40	12,661.09
		For Roof Curb, Add	*2,960.63*	
		For Factory Installed BACnet, Add	*1,387.04*	
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,133.90*	
		For Economizer And Powered Exhaust, Add	*16,110.09*	
23 74 16 13-0126	EA	90 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Intellipak SFHKC904)	175,933.13	15,456.39
		Note: Includes economizer, powered exhaust and roof curb.		
		For Factory Installed BACnet, Add	*1,387.04*	
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,133.90*	
23 74 16 13-0127	EA	105 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Intellipak SFHKD114)	191,672.54	19,567.15
		Note: Includes economizer, powered exhaust and roof curb.		
		For Factory Installed BACnet, Add	*1,387.04*	
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,133.90*	

23 74 16 13-0128 High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane, Carrier Or Equal) *(23 74 16 13-0103)*

Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0968 for crane lifting equipment, 26 28 16 16-0001 for disconnects.

23 74 16 13-0129	EA	3 Ton, High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Precedent YHC036)	12,202.59	1,890.94
		For Roof Curb, Add	*747.95*	
		For Factory Installed BACnet, Add	*1,004.45*	
		For Demand Control Ventilation, Add	*1,816.47*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,136.67*	
23 74 16 13-0130	EA	4 Ton, High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Precedent YHC048)	13,827.74	2,178.69
		For Roof Curb, Add	*747.95*	
		For Factory Installed BACnet, Add	*1,004.45*	
		For Demand Control Ventilation, Add	*1,816.47*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,136.67*	
23 74 16 13-0131	EA	5 Ton, High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Precedent YHC060)	15,132.81	2,343.13
		For Roof Curb, Add	*747.95*	
		For Factory Installed BACnet, Add	*1,004.45*	
		For Demand Control Ventilation, Add	*1,816.47*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,136.67*	
23 74 16 13-0132	EA	6 Ton, High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Precedent YHC072)	16,539.32	2,528.16
		For Roof Curb, Add	*747.95*	
		For Factory Installed BACnet, Add	*1,004.45*	
		For Demand Control Ventilation, Add	*1,816.47*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,136.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0133	EA	7.5 Ton, High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Precedent YHC092)	23,828.07	2,651.49
		For Roof Curb, Add	*897.53*	
		For Factory Installed BACnet, Add	*1,004.45*	
		For Demand Control Ventilation, Add	*1,816.47*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,160.16*	
23 74 16 13-0134	EA	8.5 Ton, High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Precedent YHC102)	25,556.21	2,857.02
		For Roof Curb, Add	*897.53*	
		For Factory Installed BACnet, Add	*1,004.45*	
		For Demand Control Ventilation, Add	*1,816.47*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,160.16*	
23 74 16 13-0135	EA	10 Ton, High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Precedent YHC120)	27,838.31	2,959.74
		For Roof Curb, Add	*897.53*	
		For Factory Installed BACnet, Add	*1,004.45*	
		For Demand Control Ventilation, Add	*1,816.47*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,186.44*	
23 74 16 13-0136	EA	12.5 Ton, High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Voyager YHD150)	32,117.54	3,206.38
		For Roof Curb, Add	*897.53*	
		For Factory Installed BACnet, Add	*1,004.45*	
		For Demand Control Ventilation, Add	*2,243.25*	
		Note: Includes ventilation module and CO2 wall mounted sensor kit.		
		For Factory Installed Economizer, Add	*1,281.34*	
23 74 16 13-0137	EA	15 Ton, High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Voyager YHD180)	35,935.38	3,453.03
		For Roof Curb, Add	*897.53*	
		For Factory Installed BACnet, Add	*1,004.45*	
		For Demand Control Ventilation, Add	*2,243.25*	
		Note: Includes ventilation module and CO2 wall mounted sensor kit.		
		For Factory Installed Economizer, Add	*2,422.14*	
23 74 16 13-0138	EA	17.5 Ton, High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Voyager YHD210)	41,781.46	3,699.67
		For Roof Curb, Add	*897.53*	
		For Factory Installed BACnet, Add	*1,004.45*	
		For Demand Control Ventilation, Add	*2,243.25*	
		Note: Includes ventilation module and CO2 wall mounted sensor kit.		
		For Factory Installed Economizer, Add	*2,422.14*	
23 74 16 13-0139	EA	20 Ton, High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Voyager YHD240)	46,023.01	3,946.31
		For Roof Curb, Add	*897.53*	
		For Factory Installed BACnet, Add	*1,004.45*	
		For Demand Control Ventilation, Add	*2,243.25*	
		Note: Includes ventilation module and CO2 wall mounted sensor kit.		
		For Factory Installed Economizer, Add	*2,422.14*	
23 74 16 13-0140	EA	25 Ton, High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Voyager YHD300)	59,159.16	4,768.46
		For Roof Curb, Add	*897.53*	
		For Factory Installed BACnet, Add	*1,004.45*	
		For Demand Control Ventilation, Add	*2,243.25*	
		Note: Includes ventilation module and CO2 wall mounted sensor kit.		
		For Factory Installed Economizer, Add	*2,422.14*	
23 74 16 13-0141	EA	30 Ton, Variable Speed Compressor, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Intellipak SFHLF304)	69,141.31	5,590.62
		For Factory Installed BACnet, Add	*1,387.04*	
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,133.90*	
		For Economizer And Powered Exhaust, Add	*7,532.55*	
		For Roof Curb, Add	*1,381.43*	
23 74 16 13-0142	EA	40 Ton, Variable Speed Compressor, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Intellipak SFHLF404)	83,904.32	7,481.55
		For Factory Installed BACnet, Add	*1,387.04*	
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,133.90*	
		For Economizer And Powered Exhaust, Add	*8,476.99*	
		For Roof Curb, Add	*2,102.06*	
23 74 16 13-0143	EA	50 Ton, Variable Speed Compressor, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Intellipak SFHLF504)	104,301.30	9,372.49
		For Factory Installed BACnet, Add	*1,387.04*	
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,133.90*	
		For Economizer And Powered Exhaust, Add	*12,431.49*	
		For Roof Curb, Add	*2,102.06*	
23 74 16 13-0144	EA	55 Ton, Variable Speed Compressor, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Intellipak SFHLF554)	115,751.23	10,317.96
		For Economizer And Powered Exhaust, Add	*13,128.75*	
		For Factory Installed BACnet, Add	*1,387.04*	
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,133.90*	
		For Roof Curb, Add	*2,614.83*	
23 74 16 13-0145	EA	60 Ton, Variable Speed Compressor, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Intellipak SFHLF604)	122,965.88	11,263.44
		For Economizer And Powered Exhaust, Add	*14,867.29*	
		For Factory Installed BACnet, Add	*1,387.04*	
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,133.90*	
		For Roof Curb, Add	*2,614.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0146	EA	70 Ton, Variable Speed Compressor, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Intellipak SFHLF704)	137,709.69	12,188.41
		For Economizer And Powered Exhaust, Add	*15,436.48*	
		For Roof Curb, Add	*2,659.18*	
		For Factory Installed BACnet, Add	*1,387.04*	
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,133.90*	
23 74 16 13-0147		Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane, Carrier Or Equal) *(23 74 16 13-0102)*		
		Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0968 for crane lifting equipment, 26 28 16 16-0001 for disconnects.		
23 74 16 13-0148	EA	3 Ton, Ultra High Efficiency, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Precedent eFlex TZC036E)	9,043.99	1,701.85
		For Roof Curb, Add	*747.95*	
		For Factory Installed Economizer, Add	*1,136.67*	
		For Factory Installed BACnet, Add	*2,265.70*	
		For Demand Control Ventilation, Add	*2,502.75*	
23 74 16 13-0149	EA	4 Ton, Ultra High Efficiency, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Precedent eFlex TZC048F)	10,109.44	1,960.88
		For Roof Curb, Add	*747.95*	
		For Factory Installed Economizer, Add	*1,136.67*	
		For Factory Installed BACnet, Add	*2,705.29*	
		For Demand Control Ventilation, Add	*2,502.75*	
23 74 16 13-0150	EA	5 Ton, Ultra High Efficiency, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Precedent eFlex TZC060E)	11,044.35	2,108.86
		For Roof Curb, Add	*747.95*	
		For Factory Installed Economizer, Add	*1,136.67*	
		For Factory Installed BACnet, Add	*2,705.29*	
		For Demand Control Ventilation, Add	*2,502.75*	
23 74 16 13-0151	EA	6 Ton, Ultra High Efficiency, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Precedent eFlex TZC072F)	12,357.03	2,275.27
		For Roof Curb, Add	*747.95*	
		For Factory Installed Economizer, Add	*1,136.67*	
		For Factory Installed BACnet, Add	*2,705.29*	
		For Demand Control Ventilation, Add	*2,502.75*	
23 74 16 13-0152	EA	7.5 Ton, Ultra High Efficiency, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Precedent eFlex TZC090F)	14,416.34	2,386.32
		For Roof Curb, Add	*897.53*	
		For Factory Installed Economizer, Add	*1,160.16*	
		For Factory Installed BACnet, Add	*2,904.75*	
		For Demand Control Ventilation, Add	*2,559.74*	
23 74 16 13-0153	EA	8.5 Ton, Ultra High Efficiency, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Precedent eFlex TZC102F)	15,670.65	2,571.24
		For Roof Curb, Add	*897.53*	
		For Factory Installed Economizer, Add	*1,160.16*	
		For Factory Installed BACnet, Add	*2,904.75*	
		For Demand Control Ventilation, Add	*2,559.74*	
23 74 16 13-0154	EA	10 Ton, Ultra High Efficiency, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Precedent eFlex TZC120F)	17,185.30	2,663.76
		For Roof Curb, Add	*897.53*	
		For Factory Installed Economizer, Add	*1,186.44*	
		For Factory Installed BACnet, Add	*2,904.75*	
		For Demand Control Ventilation, Add	*2,559.74*	
23 74 16 13-0155	EA	12.5 Ton, High Efficiency, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Voyager eFlex TZ*150F)	19,229.17	2,885.75
		Note: * = Downflow or Horizontal		
		For Roof Curb, Add	*897.53*	
		For Factory Installed Economizer, Add	*1,281.34*	
		For Factory Installed BACnet, Add	*3,873.00*	
		For Demand Control Ventilation, Add	*3,131.61*	
23 74 16 13-0156	EA	15 Ton, High Efficiency, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Voyager eFlex TZ*180F)	21,683.81	3,107.72
		Note: * = Downflow or Horizontal		
		For Roof Curb, Add	*897.53*	
		For Factory Installed Economizer, Add	*2,422.14*	
		For Factory Installed BACnet, Add	*3,873.00*	
		For Demand Control Ventilation, Add	*3,131.61*	
23 74 16 13-0157	EA	17.5 Ton, High Efficiency, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Voyager eFlex TZ*210F)	26,761.39	3,329.70
		Note: * = Downflow or Horizontal		
		For Roof Curb, Add	*897.53*	
		For Factory Installed Economizer, Add	*2,422.14*	
		For Factory Installed BACnet, Add	*3,873.00*	
		For Demand Control Ventilation, Add	*3,131.61*	
23 74 16 13-0158	EA	20 Ton, High Efficiency, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Voyager TH*240)	30,214.72	3,551.68
		Note: * = Downflow or Horizontal		
		For Roof Curb, Add	*897.53*	
		For Factory Installed Economizer, Add	*2,422.14*	
		For Factory Installed BACnet, Add	*5,406.05*	
		For Demand Control Ventilation, Add	*3,131.61*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0159	EA	25 Ton, High Efficiency, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Voyager TH*300)	35,571.92	4,291.61
		Note: * = Downflow or Horizontal		
		For Roof Curb, Add	*897.53*	
		For Factory Installed Economizer, Add	*2,422.14*	
		For Factory Installed BACnet, Add	*5,406.05*	
		For Demand Control Ventilation, Add	*3,539.51*	
23 74 16 13-0160	EA	55 Ton, Variable Speed Compressor, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Intellipak SEHL*55)	100,897.39	9,286.22
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,133.90*	
		For Factory Installed Economizer, Add	*2,422.14*	
		For Roof Curb, Add	*2,614.83*	
		For Demand Control Ventilation, Add	*4,997.33*	
		For Factory Installed BACnet, Add	*14,200.99*	
23 74 16 13-0161	EA	60 Ton, Variable Speed Compressor, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Intellipak SEHL*60)	110,078.84	10,137.10
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,133.90*	
		For Factory Installed Economizer, Add	*2,422.14*	
		For Roof Curb, Add	*2,614.83*	
		For Demand Control Ventilation, Add	*4,997.33*	
		For Factory Installed BACnet, Add	*14,200.99*	
23 74 16 13-0162	EA	70 Ton, Variable Speed Compressor, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Intellipak SEHL*70)	121,661.68	10,969.55
		For Roof Curb, Add	*2,659.18*	
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,133.90*	
		For Factory Installed Economizer, Add	*2,422.14*	
		For Demand Control Ventilation, Add	*8,224.52*	
		For Factory Installed BACnet, Add	*14,200.99*	

23 74 16 13-0163 Cooling Only DX Unitary Package Rooftop Unit (Trane, Carrier Or Equal) *(23 74 16 13-0102)*

See CSI section 01 22 23 00-0968 for crane lifting equipment, 26 28 16 16-0001 for disconnects.

23 74 16 13-0164 High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane, Carrier Or Equal) *(23 74 16 13-0163)*

Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0968 for crane lifting equipment.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0165	EA	3 Ton, High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane Precedent THC036)	7,912.74	1,701.85
		For Roof Curb, Add	*747.95*	
		For Factory Installed Electric Heat, Add	*1,017.49*	
		For Factory Installed BACnet, Add	*1,004.45*	
		For Demand Control Ventilation, Add	*1,816.47*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,136.67*	
23 74 16 13-0166	EA	4 Ton, High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane Precedent THC048)	9,003.56	1,960.88
		For Roof Curb, Add	*747.95*	
		For Factory Installed Electric Heat, Add	*1,017.49*	
		For Factory Installed BACnet, Add	*1,004.45*	
		For Demand Control Ventilation, Add	*1,816.47*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,136.67*	
23 74 16 13-0167	EA	5 Ton, High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane Precedent THC060)	9,842.89	2,108.86
		For Roof Curb, Add	*747.95*	
		For Factory Installed Electric Heat, Add	*1,017.49*	
		For Factory Installed BACnet, Add	*1,004.45*	
		For Demand Control Ventilation, Add	*1,816.47*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,136.67*	
23 74 16 13-0168	EA	6 Ton, High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane Precedent THC072)	10,661.29	2,275.27
		For Roof Curb, Add	*747.95*	
		For Factory Installed Electric Heat, Add	*1,017.49*	
		For Factory Installed BACnet, Add	*1,004.45*	
		For Demand Control Ventilation, Add	*1,816.47*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,136.67*	
23 74 16 13-0169	EA	7.5 Ton, High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane Precedent THC092)	14,168.51	2,386.32
		For Roof Curb, Add	*897.53*	
		For Factory Installed Electric Heat, Add	*1,235.79*	
		For Factory Installed BACnet, Add	*1,004.45*	
		For Demand Control Ventilation, Add	*1,816.47*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,160.16*	
23 74 16 13-0170	EA	8.5 Ton, High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane Precedent THC102)	15,186.26	2,571.24
		For Roof Curb, Add	*897.53*	
		For Factory Installed Electric Heat, Add	*1,235.79*	
		For Factory Installed BACnet, Add	*1,004.45*	
		For Demand Control Ventilation, Add	*1,816.47*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,160.16*	
23 74 16 13-0171	EA	10 Ton, High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane Precedent THC120)	16,491.27	2,663.76
		For Roof Curb, Add	*897.53*	
		For Factory Installed Electric Heat, Add	*1,235.79*	
		For Factory Installed BACnet, Add	*1,004.45*	
		For Demand Control Ventilation, Add	*1,816.47*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,186.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0172	EA	12.5 Ton, High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane Voyager THD150)	20,273.33	2,885.75
		For Roof Curb, Add	*897.53*	
		For Factory Installed Electric Heat, Add	*1,427.52*	
		For Factory Installed BACnet, Add	*1,004.45*	
		For Demand Control Ventilation, Add	*2,243.25*	
		Note: Includes ventilation module and CO2 wall mounted sensor kit.		
		For Factory Installed Economizer, Add	*1,281.34*	
23 74 16 13-0173	EA	15 Ton, High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane Voyager THD180)	21,511.76	3,107.72
		For Roof Curb, Add	*897.53*	
		For Factory Installed Electric Heat, Add	*1,427.52*	
		For Factory Installed BACnet, Add	*1,004.45*	
		For Demand Control Ventilation, Add	*2,243.25*	
		Note: Includes ventilation module and CO2 wall mounted sensor kit.		
		For Factory Installed Economizer, Add	*2,422.14*	
23 74 16 13-0174	EA	17.5 Ton, High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane Voyager THD210)	25,221.51	3,329.70
		For Roof Curb, Add	*897.53*	
		For Factory Installed Electric Heat, Add	*1,647.72*	
		For Factory Installed BACnet, Add	*1,004.45*	
		For Demand Control Ventilation, Add	*2,243.25*	
		Note: Includes ventilation module and CO2 wall mounted sensor kit.		
		For Factory Installed Economizer, Add	*2,422.14*	
23 74 16 13-0175	EA	20 Ton, High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane Voyager THD240)	27,364.56	3,551.68
		For Roof Curb, Add	*897.53*	
		For Factory Installed Electric Heat, Add	*1,647.72*	
		For Factory Installed BACnet, Add	*1,004.45*	
		For Demand Control Ventilation, Add	*2,243.25*	
		Note: Includes ventilation module and CO2 wall mounted sensor kit.		
		For Factory Installed Economizer, Add	*2,422.14*	
23 74 16 13-0176	EA	25 Ton, High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane Voyager THD300)	30,182.64	4,291.61
		For Roof Curb, Add	*897.53*	
		For Factory Installed Electric Heat, Add	*1,647.72*	
		For Factory Installed BACnet, Add	*1,004.45*	
		For Demand Control Ventilation, Add	*2,243.25*	
		Note: Includes ventilation module and CO2 wall mounted sensor kit.		
		For Factory Installed Economizer, Add	*2,422.14*	

23 74 16 13-0177 Heat Pump Unitary Package Rooftop Unit (Trane, Carrier Or Equal) *(23 74 16 13-0102)*

See CSI section 01 22 23 00-0968 for crane lifting equipment, 26 28 16 16-0001 for disconnects.

23 74 16 13-0178 Standard Efficiency Heat Pump Unitary Package Rooftop Unit (Trane, Carrier Or Equal) *(23 74 16 13-0177)*

Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0968 for crane lifting equipment.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0179	EA	3 Ton, Standard Efficiency, Heat Pump Unitary Package Rooftop Unit (Trane Precedent WSC036)	8,601.39	1,701.85
		For Roof Curb, Add	*747.95*	
		For High Efficiency, Add	*775.70*	
		For Factory Installed Electric Heat, Add	*1,017.49*	
		For Factory Installed BACnet, Add	*1,004.45*	
		For Demand Control Ventilation, Add	*1,816.47*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,136.67*	
23 74 16 13-0180	EA	4 Ton, Standard Efficiency, Heat Pump Unitary Package Rooftop Unit (Trane Precedent WSC048)	9,526.09	1,960.88
		For Roof Curb, Add	*747.95*	
		For High Efficiency, Add	*846.68*	
		For Factory Installed Electric Heat, Add	*1,017.49*	
		For Factory Installed BACnet, Add	*1,004.45*	
		For Demand Control Ventilation, Add	*1,816.47*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,136.67*	
23 74 16 13-0181	EA	5 Ton, Standard Efficiency, Heat Pump Unitary Package Rooftop Unit (Trane Precedent WSC060)	10,462.46	2,108.86
		For Roof Curb, Add	*747.95*	
		For High Efficiency, Add	*937.21*	
		For Factory Installed Electric Heat, Add	*1,017.49*	
		For Factory Installed BACnet, Add	*1,004.45*	
		For Demand Control Ventilation, Add	*1,816.47*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,136.67*	
23 74 16 13-0182	EA	6 Ton, Standard Efficiency, Heat Pump Unitary Package Rooftop Unit (Trane Precedent WSC072)	11,423.52	2,275.27
		For Roof Curb, Add	*747.95*	
		For High Efficiency, Add	*1,027.75*	
		For Factory Installed Electric Heat, Add	*1,017.49*	
		For Factory Installed BACnet, Add	*1,004.45*	
		For Demand Control Ventilation, Add	*1,816.47*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,136.67*	
23 74 16 13-0183	EA	7.5 Ton, Standard Efficiency, Heat Pump Unitary Package Rooftop Unit (Trane Precedent WSC090)	12,856.09	2,386.32
		For Roof Curb, Add	*897.53*	
		For High Efficiency, Add	*1,185.11*	
		For Factory Installed Electric Heat, Add	*1,235.79*	
		For Factory Installed BACnet, Add	*1,004.45*	
		For Demand Control Ventilation, Add	*1,816.47*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,160.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0184	EA	8.5 Ton, Standard Efficiency, Heat Pump Unitary Package Rooftop Unit (Trane Precedent WSC102)	15,293.33	2,571.24
		For Roof Curb, Add	*897.53*	
		For High Efficiency, Add	*1,453.46*	
		For Factory Installed Electric Heat, Add	*1,235.79*	
		For Factory Installed BACnet, Add	*1,004.45*	
		For Demand Control Ventilation, Add	*1,816.47*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,160.16*	
23 74 16 13-0185	EA	10 Ton, Standard Efficiency, Heat Pump Unitary Package Rooftop Unit (Trane Precedent WSC120)	17,607.23	2,663.76
		For Roof Curb, Add	*897.53*	
		For High Efficiency, Add	*1,721.80*	
		For Factory Installed Electric Heat, Add	*1,235.79*	
		For Factory Installed BACnet, Add	*1,004.45*	
		For Demand Control Ventilation, Add	*1,816.47*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,186.44*	
23 74 16 13-0186	EA	12.5 Ton, Standard Efficiency, Heat Pump Unitary Package Rooftop Unit (Trane Voyager WCD150)	21,971.09	2,885.75
		For Roof Curb, Add	*897.53*	
		For High Efficiency, Add	*2,220.12*	
		For Factory Installed Electric Heat, Add	*1,427.52*	
		For Factory Installed BACnet, Add	*1,004.45*	
		For Demand Control Ventilation, Add	*2,243.25*	
		Note: Includes ventilation module and CO2 wall mounted sensor kit.		
		For Factory Installed Economizer, Add	*1,281.34*	
23 74 16 13-0187	EA	15 Ton, Standard Efficiency, Heat Pump Unitary Package Rooftop Unit (Trane Voyager WCD180)	23,981.07	3,107.72
		For Roof Curb, Add	*897.53*	
		For High Efficiency, Add	*2,430.09*	
		For Factory Installed Electric Heat, Add	*1,427.52*	
		For Factory Installed BACnet, Add	*1,004.45*	
		For Demand Control Ventilation, Add	*2,243.25*	
		Note: Includes ventilation module and CO2 wall mounted sensor kit.		
		For Factory Installed Economizer, Add	*2,422.14*	
23 74 16 13-0188	EA	20 Ton, Standard Efficiency, Heat Pump Unitary Package Rooftop Unit (Trane Voyager WCD240)	31,607.93	3,551.68
		For Roof Curb, Add	*897.53*	
		For High Efficiency, Add	*3,291.86*	
		For Factory Installed Electric Heat, Add	*1,647.72*	
		For Factory Installed BACnet, Add	*1,004.45*	
		For Demand Control Ventilation, Add	*2,243.25*	
		Note: Includes ventilation module and CO2 wall mounted sensor kit.		
		For Factory Installed Economizer, Add	*2,422.14*	

23 74 16 13-0189 Trane Curb Adapters *(23 74 16 13)*

Note: All adapter selections assume the existing unit rests on a factory standard curb. The new unit reference is based on current Trane units, Precedent and Voyager II models only. The existing unit reference is based on Trane, Carrier, York or Lennox units only. Non-standard L-shape and/or duct shroud configurations were not considered. Trane Intellipak or Voyager III footprints are not considered. Some units have larger than normal sizes or multiple footprints possible, which were not considered. Step-sized replacements (installing new unit that is either larger or smaller capacity than existing) are not considered.

23 74 16 13-0190	EA	3 To 5 Ton, Trane Curb Adapter	1,637.25
23 74 16 13-0191	EA	6 To 7-1/2 Ton, Trane Curb Adapter	2,139.48
23 74 16 13-0192	EA	8-1/2 To 10 Ton, Trane Curb Adapter	2,239.92
23 74 16 13-0193	EA	12-1/2 Ton, Standard Efficiency, Trane Curb Adapter	2,450.86
23 74 16 13-0194	EA	12-1/2 Ton, High Efficiency, Trane Curb Adapter	2,501.08
23 74 16 13-0195	EA	15 Ton, Trane Curb Adapter	2,742.15
23 74 16 13-0196	EA	17-1/2 Ton, Trane Curb Adapter	2,762.24
23 74 16 13-0197	EA	20 Ton, Trane Curb Adapter	3,083.66
23 74 16 13-0198	EA	25 Ton, Trane Curb Adapter	3,515.58

23 74 16 13-0199 Condenser Coil Guards *(23 74 16 13)*

23 74 16 13-0200	EA	Condenser Coil Guard (Trane BAYGARD058A) Note: Coil Guard for TTA/TWA061, TTA/TWA073, TTA/TWA076 and CTA/TTA/TWA090 Condenser Coils.	1,130.93	88.14
23 74 16 13-0201	EA	Condenser Coil Guard (Trane BAYGARD059A) Note: Coil Guard for TTA086, TTA101 and CTA/TTA120 Condenser Coils.	1,437.90	102.83
23 74 16 13-0202	EA	Condenser Coil Guard (Trane BAYGARD060A) Note: Coil Guard for TWA101, TWA120, TTA126 and TTA150 Condenser Coils.	1,534.97	117.52
23 74 16 13-0203	EA	Condenser Coil Guard (Trane BAYGARD061A) Note: Coil Guard for TTA/TWA156, CTA/TTA/TWA180, TTA/TWA201 and TTA/TWA240 Condenser Coils.	2,048.42	132.21
23 74 16 13-0204	EA	Condenser Coil Guard (Trane BAYGARD062A) Note: Coil Guard for TTA300 and TTA251 Split-System Air Conditioners.	2,274.15	146.90

23 74 16 13-0205 Heat Pump, Packaged Rooftop Heat Pump Units *(23 74 16 13)*

See CSI section 01 22 23 00-0968 for crane lifting equipment, 26 28 16 16-0001 for disconnects.

23 74 16 13-0206 Packaged Rooftop Heat Pump Units *(23 74 16 13-0205)*

Note: Includes evaporator and condenser coils, electric heat, thermostatic expansion valve, compressor, evaporator and condenser fans, refrigerant charge, filter section with filter, operation and safety controls, motors, condensate drain pan, condenser coil guards, manual outside air damper, and roof curb. Excludes crane and associated personnel.

23 74 16 13-0207	EA	2 Ton Packaged Rooftop Heat Pump	6,822.78	1,479.87
		For Economizer With Outside Air Control, Add	*2,005.00*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*242.48*	
		For Unit Without Roof Curb, Deduct	*-747.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0208	EA	2.5 Ton Packaged Rooftop Heat Pump	7,183.93	1,590.91
		For Economizer With Outside Air Control, Add	*2,123.76*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*253.14*	
		For Unit Without Roof Curb, Deduct	*-747.91*	
23 74 16 13-0209	EA	3 Ton Packaged Rooftop Heat Pump	7,598.38	1,701.85
		For Economizer With Outside Air Control, Add	*2,253.71*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*266.46*	
		For Unit Without Roof Curb, Deduct	*-747.91*	
23 74 16 13-0210	EA	3.5 Ton Packaged Rooftop Heat Pump	8,153.86	1,831.30
		For Economizer With Outside Air Control, Add	*2,191.94*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*285.60*	
		For Unit Without Roof Curb, Deduct	*-747.91*	
23 74 16 13-0211	EA	4 Ton Packaged Rooftop Heat Pump	8,709.59	1,960.88
		For Economizer With Outside Air Control, Add	*2,343.40*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*304.76*	
		For Unit Without Roof Curb, Deduct	*-747.91*	
23 74 16 13-0212	EA	5 Ton Packaged Rooftop Heat Pump	9,334.98	2,108.86
		For Economizer With Outside Air Control, Add	*2,514.82*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*260.93*	
		For Unit Without Roof Curb, Deduct	*-747.91*	
23 74 16 13-0213	EA	6 Ton Packaged Rooftop Heat Pump	10,502.04	2,275.27
		For Economizer With Outside Air Control, Add	*2,786.48*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*224.05*	
		For Unit Without Roof Curb, Deduct	*-747.91*	
23 74 16 13-0214	EA	7.5 Ton Packaged Rooftop Heat Pump	13,502.65	2,386.32
		For Economizer With Outside Air Control, Add	*2,829.37*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*309.63*	
		For Unit Without Roof Curb, Deduct	*-897.53*	
23 74 16 13-0215	EA	8.5 Ton Packaged Rooftop Heat Pump	15,102.61	2,571.24
		For Economizer With Outside Air Control, Add	*2,998.35*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*350.23*	
		For Unit Without Roof Curb, Deduct	*-897.53*	
23 74 16 13-0216	EA	10 Ton Packaged Rooftop Heat Pump	16,237.78	2,663.76
		For Economizer With Outside Air Control, Add	*3,044.45*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*253.72*	
		For Unit Without Roof Curb, Deduct	*-897.53*	
23 74 16 13-0217	EA	12.5 Ton Packaged Rooftop Heat Pump	18,836.17	2,885.75
		For Economizer With Outside Air Control, Add	*3,422.68*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*299.77*	
		For Unit Without Roof Curb, Deduct	*-897.53*	
23 74 16 13-0218	EA	15 Ton Packaged Rooftop Heat Pump	21,434.58	3,107.72
		For Economizer With Outside Air Control, Add	*3,800.91*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*345.82*	
		For Unit Without Roof Curb, Deduct	*-897.53*	
23 74 16 13-0219	EA	17.5 Ton Packaged Rooftop Heat Pump	24,005.69	3,329.70
		For Economizer With Outside Air Control, Add	*4,176.41*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*391.32*	
		For Unit Without Roof Curb, Deduct	*-897.53*	
23 74 16 13-0220	EA	20 Ton Packaged Rooftop Heat Pump	26,576.78	3,551.68
		For Economizer With Outside Air Control, Add	*4,551.91*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*436.82*	
		For Unit Without Roof Curb, Deduct	*-897.53*	

23 74 16 13-0221 Heating Only Packaged Rooftop Units *(23 74 16 13-0205)*

Note: Includes throwaway filters, filter rack, manual outside air damper, roof curbs and electric heat. Units are shipped fully factory assembled in one piece, prewired and include start-up. Excludes crane and associated personnel. See CSI section 01 22 23 00-0968 for crane lifting equipment, 26 28 16 16-0001 for disconnects.

23 74 16 13-0222	EA	24 MBH Electric Heating Only, Self Contained Package Rooftop Unit	6,920.19	1,479.87
		For Gas Heat, Add	*444.95*	
		For Unit Without Roof Curb, Deduct	*-747.91*	
23 74 16 13-0223	EA	32 MBH Electric Heating Only, Self Contained Package Rooftop Unit	8,130.61	1,701.85
		For Gas Heat, Add	*523.76*	
		For Unit Without Roof Curb, Deduct	*-747.91*	
23 74 16 13-0224	EA	45 MBH Electric Heating Only, Self Contained Package Rooftop Unit	11,129.33	1,960.88
		For Gas Heat, Add	*726.76*	
		For Unit Without Roof Curb, Deduct	*-747.91*	
23 74 16 13-0225	EA	60 MBH Electric Heating Only, Self Contained Package Rooftop Unit	12,555.89	2,108.86
		For Gas Heat, Add	*822.68*	
		For Unit Without Roof Curb, Deduct	*-747.91*	
23 74 16 13-0226	EA	95 MBH Electric Heating Only, Self Contained Package Rooftop Unit	14,754.76	2,386.32
		For Gas Heat, Add	*969.20*	
		For Unit Without Roof Curb, Deduct	*-897.53*	
23 74 16 13-0227	EA	112 MBH Electric Heating Only, Self Contained Package Rooftop Unit	16,620.44	2,571.24
		For Gas Heat, Add	*1,094.86*	
		For Unit Without Roof Curb, Deduct	*-897.53*	
23 74 16 13-0228	EA	140 MBH Electric Heating Only, Self Contained Package Rooftop Unit	19,670.00	2,663.76
		For Gas Heat, Add	*1,305.87*	
		For Unit Without Roof Curb, Deduct	*-897.53*	
23 74 16 13-0229	EA	170 MBH Electric Heating Only, Self Contained Package Rooftop Unit	25,550.78	3,107.72
		For Gas Heat, Add	*1,705.68*	
		For Unit Without Roof Curb, Deduct	*-897.53*	
23 74 16 13-0230	EA	200 MBH Electric Heating Only, Self Contained Package Rooftop Unit	33,747.01	3,329.70
		For Gas Heat, Add	*2,273.50*	
		For Unit Without Roof Curb, Deduct	*-897.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0231	EA	230 MBH Electric Heating Only, Self Contained Package Rooftop Unit	39,394.77	3,551.68
		For Gas Heat, Add	*2,662.92*	
		For Unit Without Roof Curb, Deduct	*-897.53*	
23 74 16 13-0232	EA	270 MBH Electric Heating Only, Self Contained Package Rooftop Unit	51,227.24	3,921.65
		For Gas Heat, Add	*3,481.33*	
		For Unit Without Roof Curb, Deduct	*-897.53*	
23 74 16 13-0233	EA	330 MBH Electric Heating Only, Self Contained Package Rooftop Unit	64,065.72	4,990.44
		For Gas Heat, Add	*4,360.29*	
		For Unit Without Roof Curb, Deduct	*-1,381.43*	
23 74 16 13-0234	EA	360 MBH Electric Heating Only, Self Contained Package Rooftop Unit	71,618.26	5,031.55
		For Gas Heat, Add	*4,879.10*	
		For Unit Without Roof Curb, Deduct	*-1,381.43*	
23 74 16 13-0235	EA	450 MBH Electric Heating Only, Self Contained Package Rooftop Unit	87,202.66	5,882.53
		For Gas Heat, Add	*5,947.32*	
		For Unit Without Roof Curb, Deduct	*-1,381.43*	
23 74 16 13-0236	EA	540 MBH Electric Heating Only, Self Contained Package Rooftop Unit	113,096.10	7,584.38
		For Gas Heat, Add	*7,714.48*	
		For Unit Without Roof Curb, Deduct	*-2,102.00*	

23 74 16 13-0237 Air-Cooled Condensing Units + Performance Climate Changer-Air Handling Units *(23 74 16 13)*

See CSI section 01 22 23 00-0968 for crane lifting equipment.

23 74 16 13-0238	EA	25 Ton, Air-Cooled Condensing Units + Performance Climate Changer-Air Handling Units	174,469.58	4,485.90
23 74 16 13-0239	EA	40 Ton, Air-Cooled Condensing Units + Performance Climate Changer-Air Handling Units	263,035.44	7,102.68
23 74 16 13-0240	EA	Seismic Isolated Roof Curb For 25 To 40 Ton Custom Roof-Top Unit (Vibrex VIC-EQ-SS) Note: Includes 3" deflection springs	17,095.46	
23 74 16 13-0241	EA	Seismic Isolated Roof Curb For 25 To 40 Ton Outdoor Condensing Unit (Vibrex RMLS-EQ) Note: Includes 3" deflection springs	5,326.05	
23 74 16 13-0242	EA	Up To 2,000 CFM, Variable Air Volume Box With Hot Water Coil	2,080.15	82.80
		For Filters And Frames, Add	*6.30*	
23 74 16 13-0243	EA	Trane Controls: TRACER, INTEGRATION (VAV with Air Handlers + HW Reheat), BACNET CONTROLLER, & Exhaust Fan CONTROLLERS Note: Includes controls for complete system; 3 Rooftop Units, 38 VAV, Exhaust Fans	146,890.00	

23 74 16 13-0244 Custom Outdoor Double Duct, Dual Level, Air Handler *(23 74 16 13)*

Note: With service platform See CSI section 01 22 23 00-0968 for crane lifting equipment.

23 74 16 13-0245	EA	160 Ton, Custom Outdoor Double Duct, Dual Level, Air Handler (Temtrol Model WFII) Note: Blow-Thru Stacked Double Duct unit, top/side return, Top Fan Wall Return, Mix Box, Pre filters, Supply Fanwall, CHW Coil (Cold deck), HW Coil (Hot Deck), Final Filters, and end discharge. Unit designed to have same footprint as existing AHU, confirmed and designed by P2S Inc. Unit: ? Integrated Frame (ITF) Construction, ? Manufactured in the United States. ? ETL listed. Electrical work in unit conforms with current NEC regulations. Unit Structure: ? 16 gauge tubular steel frame throughout casing, ? Fully welded perimeter structural tubular base frame coated with phenolic corrosion inhibitive finish. ? Base is fitted with lifting lugs as required, ? "Double Bottom" floor with heavy gauge C-Channel and Structural Angle support members. Casing, Roof, and Floor: ? 3" thick double wall casing panel construction, ? 0.063 Aluminum exterior panels, ? Interior liners are 0.040 solid aluminum, ? Unit casing panels are filled with 3" thick dual density fiberglass (R12.6 total), ? Thermal break construction, ? 6" Tall Foamed Base with 0.125 Aluminum treatdplate walk on surface and 20 gauge galvanized steel underliner. ? 4" Thick Foam Insulation in Floor, ? 2" thick double wall Access Doors with foam injected extruded door frames. ? Access doors to have TOSL. Each Fanwall Cube includes: Unit Fans : Each Fanwall Cube Incudes: a. o Individually Contained Fans: Direct Drive, Arrangement 4, b. o CoPlanar Perforated Silencer, o FBD Net Zero Effect Backdraft Damper, ? Baldor Super-E Premium Efficient Motors, ? Totalizer Airflow Monitoring (Air Flow Monitoring on every fan), ? ABB VFDs Factory Mounted and Wired — One ABB ACS320 VFD Per Fan Motor. Electrical: ? ABB Variable Frequency Drives, ? Single Point 460-3-60 Connection, ? 100 W Vapor proof marine lights in each section, ? (1) GFI duplex outlet, ? (1) 0-60 minute light switch, ? UV Lights on 120-1-60 circuit, ? Separate 120-1-60 power source provided to units, by others, at external J-box. Coils: ? CHW Cooling Coils ? 5/8" Tubes with 0.020 wall thickness ? 0.008" Aluminum Fins ? 0.020" Copper Tube Thiskness ? 304 stainless steel coil casings on all coils ? 304 stainless steel triple sloped condensate drain pans Filters: ? (1) Set 2" Thick Mery 8 Pre Filters ? (1) Set 12" Thick Mery 14 Final Filters ? "Type 8" galvanized steel filter frames ? Dwyer Magnehelic Filter Gauges Dampers and Louvers: ? Ruskin control damper for EXH, OSA & RA ? Min OSA Dampers include Paragon AFMS ? Ruskin Weatherproof Louvers for OSA ? Standard Louvers for EA Warranty and Startup: ? Parts Only Warranty: 12 Months from Startup or 18 Months from Shipment ? Startup Controls: ? All control devices (including control panels) are provided, installed, and started up by others in the field unless specifically mentioned above. ? Unit(s) are provided with one internal empty conduit along length of unit with JBoxes is each section for controls contractor's use in the field.	597,242.43	13,706.93

23 74 23 Packaged, Outdoor, Heating-Only Makeup-Air Units *(23 74)*

23 74 23 13 Packaged, Direct-Fired, Outdoor, Heating-Only Makeup-Air Units *(23 74 23)*

23 74 23 13-0001 Make-Up Air Units *(23 74 23 13)*

Note: Units are shipped fully factory assembled in one piece, prewired, prepiped, charged with refrigerant. Includes throwaway filters and start-up. Excludes crane and associated personnel. See CSI section 01 22 23 00-0968 for crane lifting equipment.

23 74 23 13-0002 Gas-Fired Electric Spark Make-Up Air Units *(23 74 23 13-0001)*

Note: With 2-position damper curb filter and thermostat with capillary. Excludes crane and associated personnel. See CSI section 01 22 23 00-0969 for crane lifting equipment.

23 74 23 13-0003	EA	100,000 BTU 1/2 HP, 1,200 CFM, Make-up Air Unit, Gas Fired, Electric Spark	8,078.31	493.29
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,176.85*	
		For Equipment Base Roof Curb, Add	*985.12*	
23 74 23 13-0004	EA	300,000 BTU 1-1/2 HP, 3,500 CFM, Make-up Air Unit, Gas Fired, Electric Spark	10,459.31	559.06
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,855.52*	
		For Equipment Base Roof Curb, Add	*1,279.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 23 13-0005	EA	500,000 BTU 2 HP, 4,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark	14,585.15	657.72
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,046.69*	
		For Equipment Base Roof Curb, Add	*1,790.26*	
23 74 23 13-0006	EA	670,000 BTU 3 HP, 6,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark	14,694.69	701.57
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,054.88*	
		For Equipment Base Roof Curb, Add	*1,801.48*	
23 74 23 13-0007	EA	800,000 BTU 5 HP, 7,500 CFM, Make-up Air Unit, Gas Fired, Electric Spark	20,125.15	789.26
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*5,642.91*	
		For Equipment Base Roof Curb, Add	*2,476.18*	
23 74 23 13-0008	EA	1,200,000 BTU 10 HP, 10,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark	30,566.82	986.58
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*8,676.76*	
		For Equipment Base Roof Curb, Add	*3,771.52*	

23 74 23 13-0009 Electric Make-Up Air Units *(23 74 23 13-0001)*

Note: With 2-position damper curb filter and thermostat with capillary. Excludes crane and associated personnel. See CSI section 01 22 23 00-0969 for crane lifting equipment.

23 74 23 13-0010	EA	33 KW, 1/2 HP, 1,200 CFM Make-up Air Unit, Electric	16,810.64	493.29
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,796.55*	
		For Equipment Base Roof Curb, Add	*2,076.67*	
23 74 23 13-0011	EA	100 KW, 1-1/2 HP, 3,500 CFM Make-up Air Unit, Electric	24,087.60	559.06
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*6,944.01*	
		For Equipment Base Roof Curb, Add	*2,982.72*	
23 74 23 13-0012	EA	150 KW, 2 HP, 4,000 CFM Make-up Air Unit, Electric	29,858.41	657.72
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*8,628.67*	
		For Equipment Base Roof Curb, Add	*3,699.42*	
23 74 23 13-0013	EA	250 KW, 5 HP, 7,500 CFM Make-up Air Unit, Electric	38,649.32	789.26
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*11,200.16*	
		For Equipment Base Roof Curb, Add	*4,791.70*	
23 74 23 13-0014	EA	400 KW, 10 HP, 10,000 CFM Make-up Air Unit, Electric	62,595.46	986.58
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*18,285.35*	
		For Equipment Base Roof Curb, Add	*7,775.10*	

23 75 Custom-Packaged Outdoor HVAC Equipment *(23 70)*

23 75 16 Custom-Packaged, Rooftop Air-Conditioning Units *(23 75)*

23 75 16 00-0001 Custom Rooftop Units *(23 75 16)*

Note: Includes testing, balancing and commissioning of Custom-Packaged Rooftop Unit. Excludes crane and associated personnel. Excludes balancing existing diffusers and devices, reworking ductwork, new diffusers, new wiring, or new piping. See CSI section 01 22 23 00-0968 for crane lifting equipment, 26 05 83 00-0000 for reconnecting existing control wires and electrical wires.

23 75 16 00-0002	EA	15 Ton, Custom-Package Rooftop Multi-Zone Air Conditioning Unit	144,004.86	5,482.77
23 75 16 00-0003	EA	17.5 Ton, Custom-Package Rooftop Multi-Zone Air Conditioning Unit	154,112.24	5,731.99
23 75 16 00-0004	EA	20 Ton, Custom-Package Rooftop Multi-Zone Air Conditioning Unit	167,294.15	6,230.42
23 75 16 00-0005	EA	25 Ton, Custom-Package Rooftop Multi-Zone Air Conditioning Unit	218,700.88	6,479.64
23 75 16 00-0006	EA	30 Ton, Custom-Package Rooftop Multi-Zone Air Conditioning Unit	280,847.02	7,974.94
23 75 16 00-0007	EA	35 Ton, Custom-Package Rooftop Multi-Zone Air Conditioning Unit	308,875.04	8,597.99
23 75 16 00-0008	EA	40 Ton, Custom-Package Rooftop Multi-Zone Air Conditioning Unit	338,004.64	9,221.03
23 75 16 00-0009	EA	45 Ton, Custom-Package Rooftop Multi-Zone Air Conditioning Unit	372,048.46	9,968.68
23 75 16 00-0010	EA	50 Ton, Custom-Package Rooftop Multi-Zone Air Conditioning Unit	423,384.20	10,716.33

23 76 Evaporative Air-Cooling Equipment *(23 70)*

23 76 13 Direct Evaporative Air-Coolers *(23 76)*

23 76 13 00-0001 Residential Side Or Down Draft Evaporative Cooling Unit *(23 76 13)*

Note: Includes motor, belt and pads.

23 76 13 00-0002	EA	3,000 CFM, 1/3 HP Residential Side Or Down Draft Evaporative Cooling Unit	1,544.42	352.58
23 76 13 00-0003	EA	4,300 CFM, 1/3 HP Residential Side Or Down Draft Evaporative Cooling Unit	1,825.14	411.34
23 76 13 00-0004	EA	4,400 CFM, 1/2 HP Residential Side Or Down Draft Evaporative Cooling Unit	2,373.06	470.11
23 76 13 00-0005	EA	5,000 CFM, 3/4 HP Residential Side Or Down Draft Evaporative Cooling Unit	2,580.25	528.87
23 76 13 00-0006	EA	6,000 CFM, 3/4 HP Residential Side Or Down Draft Evaporative Cooling Unit	2,966.77	587.64
23 76 13 00-0007	EA	7,000 CFM, 1 HP Residential Side Or Down Draft Evaporative Cooling Unit	3,191.90	646.40

23 76 13 00-0008 Industrial Side Draft/Side Discharge Evaporative Coolers *(23 76 13)*

Note: Excludes motor starter, piping, power wiring and equipment rigging.

23 76 13 00-0009	EA	7,500 CFM, 3/4 HP Industrial Side Or Down Draft Evaporative Cooling Unit	2,962.60	326.46
23 76 13 00-0010	EA	8,500 CFM, 1 HP Industrial Side Or Down Draft Evaporative Cooling Unit	3,057.34	337.03
23 76 13 00-0011	EA	9,500 CFM, 1 1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit	3,624.34	468.06
23 76 13 00-0012	EA	11,375 CFM, 2 HP Industrial Side Or Down Draft Evaporative Cooling Unit	7,867.53	552.51
23 76 13 00-0013	EA	13,020 CFM, 3 HP Industrial Side Or Down Draft Evaporative Cooling Unit	8,462.74	808.87
23 76 13 00-0014	EA	16,267 CFM, 3 HP Industrial Side Or Down Draft Evaporative Cooling Unit	9,711.13	862.79
23 76 13 00-0015	EA	15,438 CFM, 5 HP Industrial Side Or Down Draft Evaporative Cooling Unit	8,875.95	970.64
23 76 13 00-0016	EA	19,286 CFM, 5 HP Industrial Side Or Down Draft Evaporative Cooling Unit	10,512.57	1,213.31
23 76 13 00-0017	EA	17,672 CFM, 7-1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit	10,461.77	1,586.02
23 76 13 00-0018	EA	22,077 CFM, 7-1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit	11,681.89	1,617.73
23 76 13 00-0019	EA	24,301 CFM, 10 HP Industrial Side Or Down Draft Evaporative Cooling Unit	12,279.90	1,797.52
23 76 13 00-0020	EA	30,000 CFM, 20 HP Industrial Side Or Down Draft Evaporative Cooling Unit	16,376.91	2,808.60
23 76 13 00-0021	EA	35,000 CFM, 20 HP Industrial Side Or Down Draft Evaporative Cooling Unit	18,414.42	2,930.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 76 13 00-0022	EA	40,000 CFM, 30 HP Industrial Side Or Down Draft Evaporative Cooling Unit	20,474.15	3,063.89

23 77 Custom-Packaged Indoor HVAC Equipment *(23 70)*

23 77 13 Custom-Packaged, Indoor, Central-Station Air-Handling Units *(23 77)*

23 77 13 00-0001 Custom Air Handling Unit, Indoor Construction *(23 77 13)*

Note: Includes testing, balancing and commissioning of Custom-Packaged Rooftop Unit, field assembly of spit units. Excludes crane and associated personnel. Excludes roof curb, balancing existing diffusers and devices, reworking ductwork, new diffusers, new wiring, or new piping. See CSI section 01 22 23 00-0968 for crane lifting equipment.

23 77 13 00-0002	EA	1,600 SCFM Custom Indoor Construction, Air Handling Unit (Alliance Air Products Custom FAU-MG01)	59,852.35	1,993.73

Note: Base & Casing: Unit base is constructed of fully welded Structural Steel 'C' channel with removable lifting lugs to assuredeflection below the standard allowable for steel 1/220. Entire base is insulated with 2" thick urethane foam insulation minimum R-13. Floor material is 0.063" thick Aluminum (unless noted otherwise below). Double Wall construction with 0.063" Thick Aluminum with bolted standing seam construction. Insulation is 2" x 3lb. Fiberglass with 0.025" thick Aluminum solid liner. Air dry acrylic polyurethane paint with epoxy primer to meet min. 7,000 hrs. Salt spray in a 5% solutionby ASTM B117. Filter section: Provided with upstream loading 4" Depth 65% eff. Pre-Filters MERV 11. Filter Frames Galvanized Steel construction. Provided with Dwyer Magnehelic gauge for filter section. Gas furnace section: 175 MBH input natural gas indirect fired furnace with Electronic Modulation gas valve and control. Stainless steel heat exchanger, drain, and burner. Gas train vestibule with powered ventilation and access door. Supply fan section: Direct drive SWSI Plenum fans arr. 4 with ODP Premium efficiency motors & shaft groundings. 2" Internal springs for base and pressure walls with seismic restraints. SA Flow measuring station with piezometer ring, flow gauge, & transducer. Fan motors wired to a VFD (No Bypass) enclosed in a NEMA 1 Box. Electrical: Unit to be ETL. Electrical wiring per NEC and UL regulations. Single source power UL 508 listing panels for: (1) 460V/3PH with Non-Fused Disconnect with a step down transformer for powering controls and lights; controller in a NEMA 1 enclosure. Stand-Alone Controls for the AHU wired to a controller in a NEMA 1 enclosure. Additional Requirements: Access doors on every serviceable section. Unit splits as required for shipping and handling. Alliance to provide Start up assistance for the AHUS & VFDs. Warranty to the AHUS is 12 months after start up or 18 months after shipment whichever occurs first, parts only.

For Startup Assistance, Deduct		*-1,600.00*
For BACnet Controls, Deduct		*-4,000.00*

23 77 13 00-0003	EA	1,800 SCFM Custom Indoor Construction, Air Handling Unit (Alliance Air Products Custom FAU-JG01)	60,595.65	1,993.73

Note: Base & Casing: Unit base is constructed of fully welded Structural Steel 'C' channel with removable lifting lugs to assure deflection below the standard allowable for steel 1/220. Entire base is insulated with 2" thick urethane foam insulation minimum R-13. Floor material is 0.063" thick Aluminum (unless noted otherwise below). Double Wall construction with 0.063" Thick Aluminum with bolted standing seam construction. Insulation is 2" x 3lb. Fiberglass with 0.025" thick Aluminum solid liner. Air dry acrylic polyurethane paint with epoxy primer to meet min. 7,000 hrs. Salt spray in a 5% solution by ASTM B117. Filter section: Provided with upstream loading 4" Depth 65% eff. Pre-Filters MERV 11. Filter Frames Galvanized Steel construction. Provided with Dwyer Magnehelic gauge for filter section. Gas furnace section: 175 MBH input natural gas indirect fired furnace with Electronic Modulation gas valve and control. Stainless steel heat exchanger, drain, and burner. Gas train vestibule with powered ventilation and access door. Supply fan section: Direct drive SWSI Plenum fans arr. 4 with ODP Premium efficiency motors & shaft groundings. 2" Internal springs for base and pressure walls with seismic restraints. SA Flow measuring station with piezometer ring, flow gauge, & transducer. Fan motors wired to a VFD (No Bypass) enclosed in a NEMA 1 Box. Electrical: Unit to be ETL. Electrical wiring per NEC and UL regulations. Single source power UL 508 listing panels for: (1) 460V/3PH with Non-Fused Disconnect with a step down transformer for powering controls and lights; controller in a NEMA 1 enclosure. Stand-Alone Controls for the AHU wired to a controller in a NEMA 1 enclosure.

For Startup Assistance, Deduct		*-1,600.00*

23 77 13 00-0004	EA	7,870 SCFM Custom Indoor Construction, VRF Multi-Zone Air Handling Unit (Alliance Air Products Custom AHU-AR01)	144,412.49	3,323.31

Note: Base & Casing: Unit base is constructed of fully welded Structural Steel 'C' channel with removable lifting lugs to assure deflection below the standard allowable for steel 1/220. Entire base is insulated with 2" thick urethane foam insulation minimum R-13. Floor material is 0.125" thick Aluminum (unless noted otherwise below). Double Wall construction with 0.063" Thick Aluminum with bolted standing seam construction. Insulation is 2" x 3lb. Fiberglass with 0.025" thick Aluminum solid liner. Air dry acrylic polyurethane paint with epoxy primer to meet min. 7,000 hrs. Salt spray in a 5% solution by ASTM B117. Economizer section: Provided with low-leakage extruded aluminum dampers for OSA, EA, and RA (actuators not included). OSA air flow station for min CFM control with sensors/probes and transmitter included. Filter sections: Provided with upstream loading 2" or 4" Depth- 60-65% eff. Pre Filters MERV 11. Filter Frames Galv. steel construction. Provided with Dwyer Magnehelic gauge series 2000. VRF coil section: Aluminum fin Coil(s) with 16ga. 304 Stainless steel casing and 3/8" O.D. Copper tubes and 0.008" fin thickness as required. Double sloped, 16ga. 304 Stainless Steel IAQ drain pan. Supply & Return fan sections: Direct drive SWSI Plenum fans arr. 4 with ODP Premium efficiency motors & shaft groundings. Dual Fan arrangement with Overload protection. 2" Internal springs for base and pressure walls with seismic restraints. SA & RA Flow measuring stations for each fan with piezometer ring, flow gauge, & transducer. Fan motors wired to a VFD (No Bypass) enclosed in a NEMA 1 Box. Multi-zone Damper: Provided with low-leakage extruded aluminum Multi-zone Damper. Hot/Cold & Bypass Decks. Electrical: Unit to be ETL. Electrical wiring per NEC and UL regulations. Single source power UL 508 listing panels for: (1) 460V/3PH with Non-Fused Disconnect with a step down transformer for powering controls and lights; controller in a NEMA 1 enclosure. Stand-Alone Controls for the AHU wired to a controller in a NEMA 1 enclosure. Additional Requirements: Access doors on every serviceable section. Unit splits as required for shipping and handling. Alliance to provide Start up assistance for the AHUS & VFDs. Warranty to the AHUS is 12 months after start up or 18 months after shipment whichever occurs first, parts only.

23 77 13 00-0005 Custom Air Handling Unit, Indoor Construction *(23 77 13)*

Note: Includes testing, balancing and commissioning of Custom-Packaged Air Conditioning Unit, field assembly of unit. Excludes balancing existing diffusers and devices, reworking ductwork, new diffusers, new wiring, or new piping.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 77 13 00-0006	EA	17,000 CFM Custom Indoor Construction, Variable Air Volume, Dual Duct Air Handling Unit (Climatecraft CAH84).. Note: Material(s) Notes: ? Total Airflow(CFM): 17000, ? Outside Airflow(CFM): 3000, ? Filters: a. Efficiency – MERV 8, MERV 14, b. Size – 8/24IN x 24 In x 4 IN & 4/18IN x 24 In x 4 IN, ? IEER: 13, ? Cooling Performance; a. Total Capacity (MBH): 900.5, b. Sensible Capacity (MBH): 788.7, c. Entering: 1) Dry Bulb(F) – 97, 2) Wet Bulb(F) – 70, d. Leaving: 1) Dry Bulb(F) – 54, 2) Wet Bulb(F) – 53, ? Heating Performance; a. Total Capacity (MBH): 963.2, b. Entering: 1) Dry Bulb(F) – 41, c. Leaving: 1) Dry Bulb(F) – 100, ? Fan; a. Motor (HP): 15 (x 2), b. Brake (HP): 10.8 (x2), c. RPM: 2450, d. Static Pressure (IN): 5.4, ? Electrical; a. SCCR (kAIC): -, b. MCA(A): -, c. MOCP(A): -, d. Voltage: 460, e. Frequency(HZ): 60, f. Phase: 3, ? Operating Weight (LBS): 14300 ? Provide with ultraviolet light filter ? Provide with Bi-Polar Ionization Air Filter. Includes disassembly and reassembly of the AHU due to the tight space. Transporting disassembled AHU to the 3rd floor (Mechanical Room) of the building using elevator with floor protection.	258,750.33	

23 77 13 00-0007 Custom Air Handling Unit, Indoor Knock-Down Construction *(23 77 13)*

Note: Includes testing, balancing and commissioning of Custom-Packaged Air Handling Unit, field assembly of components units. Excludes reworking ductwork, new diffusers, new wiring, or new piping. See CSI section 01 22 23 00-0968 for crane lifting equipment.

23 77 13 00-0008	EA	5200/2600 CFM, Dual Fan, Custom Indoor Construction, Air Handling Unit .. Note: Custom built to order air handling unit. Single point power connection, knock down construction, shipped in components in order to fit through existing door or floor access panel. Epoxy painted and to be of double wall construction. Includes all unit components, power wiring, controls will be furnished and installed by contractor in lower level mechanical room under manufacturer's supervision, so as not to void warranty. AHU shall be painted and to be of double wall construction. Included parts are: micro VFD for each fan, go-thru-door 36"-40" W &80" H, UV light, smoke detector inside the supply plenum, spring isolators, seismic snubbers and thrust restraints (2" static deflection) for fans, standard condition coils, separate lighting with 120V power supply wired by contractor, viewing window, pre -filters and final filters.	147,914.13	21,256.34

23 80 Decentralized Unitary HVAC Equipment *(23)*

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 23 05 29 00-0000 for hangers and supports, 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0001 for terminations, 26 28 16 16-0001 for disconnect.

23 81 Decentralized Unitary HVAC Equipment *(23 80)*

23 81 13 Packaged Terminal Air-Conditioners *(23 81)*

Note: Units consists of fresh air intake, throwaway filters, exhaust, automatic thermostat, hermetically sealed compressor with 5 year guarantee, "sleeve-type" construction, condensing fan motor enclosed, fan to be aluminum, three wire ground cord, multi speed fan, exposed steel parts to be phosphate bonderized with baked enamel finish and copper tubes mechanically expanded into aluminum of evaporator and condensing coils. Includes equipment rigging. Efficiency Rating (ER) not less than 9.

23 81 13 11 Packaged Terminal Air-Conditioners, Through-Wall Units *(23 81 13)*

23 81 13 11-0001 Packaged Terminal Air-Conditioners *(23 81 13 11)*

23 81 13 11-0002 Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioners *(23 81 13 11-0001)*

23 81 13 11-0003	EA	7,200 BTU, 13 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	2,097.08	220.37
		For >35 To 70, Deduct	*-49.69*	
		For >70 To 100, Deduct	*-82.82*	
		For >100, Deduct	*-115.95*	
23 81 13 11-0004	EA	9,400 BTU, 12.1 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	2,182.89	249.43
		For >35 To 70, Deduct	*-50.54*	
		For >70 To 100, Deduct	*-84.23*	
		For >100, Deduct	*-117.92*	
23 81 13 11-0005	EA	11,800 BTU, 11.6 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	2,310.20	265.82
		For >35 To 70, Deduct	*-53.34*	
		For >70 To 100, Deduct	*-88.90*	
		For >100, Deduct	*-124.45*	
23 81 13 11-0006	EA	14,500 BTU, 10.4 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	2,496.77	285.73
		For >35 To 70, Deduct	*-57.77*	
		For >70 To 100, Deduct	*-96.28*	
		For >100, Deduct	*-134.79*	

23 81 13 11-0007 Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioners *(23 81 13 11-0001)*

23 81 13 11-0008	EA	7,200 BTU, 13 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	2,213.12	221.33
		For >35 To 70, Deduct	*-53.14*	
		For >70 To 100, Deduct	*-88.56*	
		For >100, Deduct	*-123.99*	
23 81 13 11-0009	EA	9,400 BTU, 12.1 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	2,332.68	249.43
		For >35 To 70, Deduct	*-55.03*	
		For >70 To 100, Deduct	*-91.72*	
		For >100, Deduct	*-128.41*	
23 81 13 11-0010	EA	11,800 BTU, 11.6 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	2,418.75	265.82
		For >35 To 70, Deduct	*-56.59*	
		For >70 To 100, Deduct	*-94.32*	
		For >100, Deduct	*-132.05*	
23 81 13 11-0011	EA	14,500 BTU, 10.4 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	2,640.05	285.73
		For >35 To 70, Deduct	*-62.06*	
		For >70 To 100, Deduct	*-103.44*	
		For >100, Deduct	*-144.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 13 11-0012		**Packaged Terminal Air-Conditioners, Through-Wall Unit Sleeve** *(23 81 13 11)* Note: Includes wall case, exterior grille, weather panel and steel closure panels. Includes bolts, nuts, washers, caulking and lintel supports. Not for use with new A/C units where wall sleeve is provided. Excludes cutting opening for unit or patching masonry or concrete.		
23 81 13 11-0013	EA	Up To 10,000 BTU Unit, Thru Wall A/C Sleeve	95.74	
23 81 13 11-0014	EA	>10,000 To 20,000 BTU Unit, Thru Wall A/C Sleeve	107.78	
23 81 13 11-0015	EA	>20,000 To 30,000 BTU Unit, Thru Wall A/C Sleeve	119.82	
23 81 13 11-0016		**Removal And Reinstallation Of Packaged Terminal Air-Conditioners, Through-Wall Units** *(23 81 13 11)* Note: Includes storage and cleaning.		
23 81 13 11-0017	EA	Removal And Reinstallation Of Packaged Terminal Air-Conditioners, Through-Wall Units	235.06	
23 81 13 12		**Packaged Terminal Air-Conditioners, Freestanding Units** *(23 81 13)*		
23 81 13 12-0001		**Portable Air Condioning Unit** *(23 81 13 12)*		
23 81 13 12-0002	EA	11,800 BTU/H, 115 Volt, Portable Air Conditioning Unit (MovinCool Office Pro 12)	5,331.34	
		For HDK 12", 2X2 Metal, With Flex, Add	*233.45*	
		For C PLEN-OP12/18- LAY84270-008A, Add	*550.94*	
23 81 13 12-0003	EA	16,800 BTU/H, 115 Volt, Portable Air Conditioning Unit (MovinCool Office Pro 18)	5,898.49	
		For HDK 12", 2X2 Metal, With Flex, Add	*233.45*	
		For C PLEN-OP12/18- LAY84270-008A, Add	*550.94*	
23 81 13 12-0004	EA	24,000 BTU/H, 115 Volt, Portable Air Conditioning Unit (MovinCool Office Pro 24)	6,809.43	
		For HDK 12", 2X2 Metal, With Flex, Add	*233.45*	
		For C PLEN-OP12/18- LAY84270-008A, Add	*550.94*	
23 81 13 13		**Packaged Terminal Air-Conditioners, Outdoor, Wall-Mounted Units** *(23 81 13)*		
23 81 13 13-0001		**Single Package Vertical Wall Cooling Unit** *(23 81 13 13)* Note: Air-to-air type with electric heat. Includes throwaway filters. Wall units are wired for 230/208 Volt, 1 phase, 60 HZ. With solid state electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls, insulated steel cabinet, with wall sleeve and outdoor grille and stainless steel drain pan. Excludes crane and associated personnel. See CSI section 01 22 23 00-0969 for crane lifting equipment.		
23 81 13 13-0002	EA	1/2 Ton Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	5,184.56	267.50
23 81 13 13-0003	EA	1 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	8,005.50	280.24
23 81 13 13-0004	EA	1-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	10,472.63	292.99
23 81 13 13-0005	EA	2 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	12,044.61	318.46
23 81 13 13-0006	EA	2-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	15,108.51	369.41
23 81 13 13-0007	EA	3 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	16,207.46	458.58
23 81 13 13-0008	EA	3-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	17,943.21	509.53
23 81 13 13-0009	EA	4 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	19,759.01	573.22
23 81 13 13-0010	EA	5 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	22,229.81	687.86
23 81 13 13-0011	EA	7-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	28,737.88	853.46
23 81 13 13-0012	EA	10 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	34,274.46	1,146.45
23 81 13 13-0013	EA	15 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	48,065.68	1,401.21
23 81 13 13-0014	EA	20 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	55,372.52	1,668.71
23 81 13 13-0015	EA	25 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	66,187.18	1,872.53
23 81 16		**Room Air-Conditioners** *(23 81)* Note: Units consists of fresh air intake, throwaway filters, exhaust, automatic thermostat, hermetically sealed compressor with 5 year guarantee, "sleeve-type" construction, condensing fan motor enclosed, fan to be aluminum, three wire ground cord, multi speed fan, exposed steel parts to be phosphate bonderized with baked enamel finish and copper tubes mechanically expanded into aluminum of evaporator and condensing coils. Includes equipment rigging. Efficiency Rating (ER) not less than 9.		
23 81 16 00-0001		**Window Unit, Room Air-Conditioners** *(23 81 16)*		
23 81 16 00-0002		**Cooling Only, Window Unit, Room Air-Conditioners** *(23 81 16 00-0001)*		
23 81 16 00-0003		**Cooling Only, Window Unit, Room Air-Conditioners (Frigidaire)** *(23 81 16 00-0002)*		
23 81 16 00-0004	EA	5,000 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0533Q1)	506.39	123.40
		For >10 To 50, Deduct	*-12.98*	
		For >50 To 75, Deduct	*-18.17*	
		For >75 To 100, Deduct	*-25.96*	
		For >100, Deduct	*-31.15*	
23 81 16 00-0005	EA	6,000 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0633Q1)	532.47	123.40
		For >10 To 50, Deduct	*-14.28*	
		For >50 To 75, Deduct	*-20.00*	
		For >75 To 100, Deduct	*-28.57*	
		For >100, Deduct	*-34.28*	
23 81 16 00-0006	EA	8,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0833U1)	597.69	123.40
		For >10 To 50, Deduct	*-17.54*	
		For >50 To 75, Deduct	*-24.56*	
		For >75 To 100, Deduct	*-35.09*	
		For >100, Deduct	*-42.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 16 00-0007	EA	10,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1033U1)	689.00	123.40
		For >10 To 50, Deduct	*-22.11*	
		For >50 To 75, Deduct	*-30.95*	
		For >75 To 100, Deduct	*-44.22*	
		For >100, Deduct	*-53.06*	
23 81 16 00-0008	EA	12,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1233Q1)	806.40	123.40
		For >10 To 50, Deduct	*-27.98*	
		For >50 To 75, Deduct	*-39.17*	
		For >75 To 100, Deduct	*-55.96*	
		For >100, Deduct	*-67.15*	
23 81 16 00-0009	EA	15,100 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1533Q1)	936.84	123.40
		For >10 To 50, Deduct	*-34.50*	
		For >50 To 75, Deduct	*-48.30*	
		For >75 To 100, Deduct	*-69.00*	
		For >100, Deduct	*-82.80*	
23 81 16 00-0010	EA	8,000 BTU, 10.9 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS0833Q1)	884.66	123.40
		For >10 To 50, Deduct	*-31.89*	
		For >50 To 75, Deduct	*-44.65*	
		For >75 To 100, Deduct	*-63.79*	
		For >100, Deduct	*-76.54*	
23 81 16 00-0011	EA	10,000 BTU, 9.5 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS1022Q1)	949.88	123.40
		For >10 To 50, Deduct	*-35.15*	
		For >50 To 75, Deduct	*-49.21*	
		For >75 To 100, Deduct	*-70.31*	
		For >100, Deduct	*-84.37*	
23 81 16 00-0012	EA	12,000 BTU, 9.5 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS1222Q1)	1,002.06	123.40
		For >10 To 50, Deduct	*-37.76*	
		For >50 To 75, Deduct	*-52.87*	
		For >75 To 100, Deduct	*-75.53*	
		For >100, Deduct	*-90.63*	
23 81 16 00-0013	EA	18,500 BTU, 11.2 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1833Q2)	1,054.23	123.40
		For >10 To 50, Deduct	*-40.37*	
		For >50 To 75, Deduct	*-56.52*	
		For >75 To 100, Deduct	*-80.74*	
		For >100, Deduct	*-96.89*	
23 81 16 00-0014	EA	22,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE2233S2)	1,158.59	123.40
		For >10 To 50, Deduct	*-45.59*	
		For >50 To 75, Deduct	*-63.82*	
		For >75 To 100, Deduct	*-91.18*	
		For >100, Deduct	*-109.41*	
23 81 16 00-0015	EA	25,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE2533S2)	1,171.63	123.40
		For >10 To 50, Deduct	*-46.24*	
		For >50 To 75, Deduct	*-64.74*	
		For >75 To 100, Deduct	*-92.48*	
		For >100, Deduct	*-110.98*	
23 81 16 00-0016	EA	28,000 BTU, 9.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRA2822R2)	1,973.45	123.40
		For >10 To 50, Deduct	*-86.33*	
		For >50 To 75, Deduct	*-120.86*	
		For >75 To 100, Deduct	*-172.66*	
		For >100, Deduct	*-207.20*	

23 81 16 00-0017 Cooling Only, Window Unit, Room Air-Conditioners (Friedrich Kuhl) *(23 81 16 00-0002)*

23 81 16 00-0018	EA	8,000 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS08N10C)	2,093.87	123.40
23 81 16 00-0019	EA	10,000 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS10N10C)	2,299.30	123.40
23 81 16 00-0020	EA	11,900 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS12N10C)	2,392.68	123.40
23 81 16 00-0021	EA	12,000 BTU, 12.2 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS12N30C)	2,430.03	123.40
23 81 16 00-0022	EA	20,000 BTU, 10.4 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SM18N30C)	2,766.20	123.40
23 81 16 00-0023	EA	24,000 BTU, 10.4 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL24N30C)	3,606.62	123.40
23 81 16 00-0024	EA	28,000 BTU, 10.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL28N30C)	3,886.76	123.40
23 81 16 00-0025	EA	36,000 BTU, 9.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL36N30B)	4,260.28	123.40

23 81 16 00-0026 Heating And Cooling, Window Unit, Room Air-Conditioners *(23 81 16 00-0001)*

23 81 16 00-0027 Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioners (Frigidaire) *(23 81 16 00-0026)*

23 81 16 00-0028	EA	8,000 BTU, 9.8 EER, 115 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH0822R1)	1,002.06	123.40
		For >10 To 50, Deduct	*-37.76*	
		For >50 To 75, Deduct	*-52.87*	
		For >75 To 100, Deduct	*-75.53*	
		For >100, Deduct	*-90.63*	
23 81 16 00-0029	EA	12,000 BTU, 10.9 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH1222R2)	1,145.54	123.40
		For >10 To 50, Deduct	*-44.94*	
		For >50 To 75, Deduct	*-62.91*	
		For >75 To 100, Deduct	*-89.87*	
		For >100, Deduct	*-107.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 16 00-0030	EA	18,500 BTU, 10.7 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH1822R2)	1,223.81	123.40
		For >10 To 50, Deduct	*-48.85*	
		For >50 To 75, Deduct	*-68.39*	
		For >75 To 100, Deduct	*-97.70*	
		For >100, Deduct	*-117.24*	
23 81 16 00-0031	EA	25,000 BTU, 9.4 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH2522R2)	1,510.77	123.40
		For >10 To 50, Deduct	*-63.20*	
		For >50 To 75, Deduct	*-88.48*	
		For >75 To 100, Deduct	*-126.40*	
		For >100, Deduct	*-151.68*	
23 81 16 00-0032		**Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioners (Friedrich)** *(23 81 16 00-0026)*		
23 81 16 00-0033	EA	12,000 BTU, 11.3 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Friedrich ES12N33B)	2,523.41	123.40
23 81 16 00-0034		**Accessories** *(23 81 16 00-0001)*		
23 81 16 00-0035	SET	Aluminum Air Conditioner Unit Frame And Bracket Assembly	618.93	64.40
23 81 16 00-0036		**Removal And Reinstallation Of Room Air-Conditioners** *(23 81 16)*		
		Note: Includes storage and cleaning.		
23 81 16 00-0037	EA	Removal And Reinstallation Of Room Air-Conditioning Unit In Window Lower Sash	146.90	
23 81 16 00-0038	EA	Removal And Reinstallation Of Room Air-Conditioning Unit In Window Upper Sash	314.48	
23 81 16 00-0039		**Through-The-Wall, Room Air-Conditioners** *(23 81 16)*		
		Note: Base unit excludes wall sleeve.		
23 81 16 00-0040		**Cooling Only, Through-The-Wall, Room Air-Conditioners** *(23 81 16 00-0039)*		
23 81 16 00-0041		**Cooling Only, Through-The-Wall, Room Air-Conditioners (Friedrich)** *(23 81 16 00-0040)*		
23 81 16 00-0042	EA	8,000 BTU, 10.7 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS08D10A)	1,575.12	88.14
		For >10 To 50, Deduct	*-69.94*	
		For >50 To 75, Deduct	*-97.92*	
		For >75 To 100, Deduct	*-139.88*	
		For >100, Deduct	*-167.86*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*276.66*	
23 81 16 00-0043	EA	9,800 BTU, 10.7 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS10D10B)	1,705.85	88.14
		For >10 To 50, Deduct	*-76.48*	
		For >50 To 75, Deduct	*-107.07*	
		For >75 To 100, Deduct	*-152.96*	
		For >100, Deduct	*-183.55*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*276.66*	
23 81 16 00-0044	EA	12,000 BTU, 9.8 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS12D10A)	1,948.64	88.14
		For >10 To 50, Deduct	*-88.62*	
		For >50 To 75, Deduct	*-124.06*	
		For >75 To 100, Deduct	*-177.24*	
		For >100, Deduct	*-212.68*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*276.66*	
23 81 16 00-0045	EA	10,000 BTU, 10.7 EER, 230/208 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS10D30A)	1,705.85	88.14
		For >10 To 50, Deduct	*-76.48*	
		For >50 To 75, Deduct	*-107.07*	
		For >75 To 100, Deduct	*-152.96*	
		For >100, Deduct	*-183.55*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*276.66*	
23 81 16 00-0046	EA	12,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS12D30A)	1,948.64	88.14
		For >10 To 50, Deduct	*-88.62*	
		For >50 To 75, Deduct	*-124.06*	
		For >75 To 100, Deduct	*-177.24*	
		For >100, Deduct	*-212.68*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*276.66*	
23 81 16 00-0047		**Heating And Cooling, Through-The-Wall, Room Air-Conditioners** *(23 81 16 00-0039)*		
23 81 16 00-0048		**Electric Heat, Heating And Cooling, Through-The-Wall, Room Air-Conditioners (Friedrich)** *(23 81 16 00-0047)*		
23 81 16 00-0049	EA	10,000 BTU, 9.8 EER, 230/208 Volt, Heating And Cooling, Through-The-Wall, Room Air-Conditioner (Friedrich WE10D33)	2,004.67	88.14
		For >10 To 50, Deduct	*-91.42*	
		For >50 To 75, Deduct	*-127.99*	
		For >75 To 100, Deduct	*-182.84*	
		For >100, Deduct	*-219.41*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*276.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 16 00-0050	EA	12,000 BTU, 9.8 EER, 230/208 Volt, Heating And Cooling, Through-The-Wall, Room Air-Conditioner (Friedrich WE12D33)	2,154.08	88.14
		For >10 To 50, Deduct	*-98.89*	
		For >50 To 75, Deduct	*-138.45*	
		For >75 To 100, Deduct	*-197.78*	
		For >100, Deduct	*-237.33*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*276.66*	

23 81 23 Computer-Room Air-Conditioners *(23 81)*

Note: Includes equipment rigging. Indoor units include filters.

23 81 23 12 Large-Capacity, Computer-Room Air-Conditioners, Floor Mounted Units *(23 81 23)*

23 81 23 12-0001 Floor Mounted Air-Cooled Direct Expansion Type *(23 81 23 12)*

Note: Includes compressor sequence switch, mode alert monitor, locking or non-locking disconnect switch, smoke sensor, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand, condensate pump, and outdoor air-cooled condenser complete with fan speed control. Excludes precharged copper pipe.

23 81 23 12-0002	EA	3 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	40,701.08	2,508.50
		For Liebert Unit, Add	*4,616.77*	
23 81 23 12-0003	EA	5 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	44,924.33	2,743.67
		For Liebert Unit, Add	*5,098.26*	
23 81 23 12-0004	EA	6 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	67,248.80	3,135.63
		For Liebert Unit, Add	*7,823.13*	
23 81 23 12-0005	EA	8 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	71,673.29	3,331.60
		For Liebert Unit, Add	*8,339.75*	
23 81 23 12-0006	EA	10 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	76,097.79	3,527.58
		For Liebert Unit, Add	*8,856.38*	
23 81 23 12-0007	EA	16 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	89,563.19	4,233.09
		For Liebert Unit, Add	*10,396.98*	
23 81 23 12-0008	EA	20 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	101,242.31	4,703.44
		For Liebert Unit, Add	*11,780.83*	
23 81 23 12-0009	EA	22 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	111,779.25	4,858.57
		For Liebert Unit, Add	*13,064.51*	
23 81 23 12-0010	EA	24 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	121,096.05	5,017.00
		For Liebert Unit, Add	*14,195.28*	
23 81 23 12-0011	EA	30 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	130,908.69	5,644.12
		For Liebert Unit, Add	*15,314.24*	

23 81 23 12-0012 Floor Mounted Chilled Water Type *(23 81 23 12)*

Note: Includes mode alert monitor, locking or non-locking disconnect switch, smoke sensor, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand, and condensate pump. Excludes chilled water source. See CSI section 23 81 23 12-0020 for chilled water source.

23 81 23 12-0013	EA	3 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	24,327.29	1,718.84
		For Liebert Unit, Add	*2,754.44*	
23 81 23 12-0014	EA	5 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	26,143.26	1,903.94
		For Liebert Unit, Add	*2,950.59*	
23 81 23 12-0015	EA	12 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	32,340.97	2,899.98
		For Liebert Unit, Add	*3,559.29*	
23 81 23 12-0016	EA	16 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	33,811.60	2,938.18
		For Liebert Unit, Add	*3,736.81*	
23 81 23 12-0017	EA	20 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	35,111.47	3,055.71
		For Liebert Unit, Add	*3,877.69*	
23 81 23 12-0018	EA	22 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	35,938.39	3,349.52
		For Liebert Unit, Add	*3,934.04*	
23 81 23 12-0019	EA	31 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	38,123.64	3,643.34
		For Liebert Unit, Add	*4,159.46*	

23 81 23 12-0020 Floor Mounted Water Source For Computer Room Air Conditioner *(23 81 23 12)*

Note: Excludes computer room air conditioner

23 81 23 12-0021	EA	3 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	18,843.55	1,567.81
		For Liebert Unit, Add	*2,062.56*	
23 81 23 12-0022	EA	5 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	20,738.28	1,646.20
		For Liebert Unit, Add	*2,284.69*	
23 81 23 12-0023	EA	6 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	26,883.87	1,724.60
		For Liebert Unit, Add	*3,038.32*	
23 81 23 12-0024	EA	8 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	28,972.13	1,881.38
		For Liebert Unit, Add	*3,268.37*	
23 81 23 12-0025	EA	9 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	30,486.04	1,959.99
		For Liebert Unit, Add	*3,442.90*	
23 81 23 12-0026	EA	10 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	31,999.96	2,038.16
		For Liebert Unit, Add	*3,617.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 23 12-0027	EA	12 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	33,256.09	2,194.93
		For Liebert Unit, Add	*3,744.35*	
23 81 23 12-0028	EA	16 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	34,721.87	2,351.71
		For Liebert Unit, Add	*3,903.01*	
23 81 23 12-0029	EA	20 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	35,761.24	2,508.50
		For Liebert Unit, Add	*4,005.25*	
23 81 23 12-0030	EA	25 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	40,837.53	2,978.84
		For Liebert Unit, Add	*4,548.22*	

23 81 23 12-0031 Floor Mounted Glycol System Type *(23 81 23 12)*

Note: Includes mode alert monitor, locking or non-locking disconnect switch, smoke sensor, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand, and condensate pump. Excludes chilled water source. See CSI section 23 81 23 12-0020 for water source.

23 81 23 12-0032	EA	3 Ton Computer Room Air Conditioner, Glycol System Type	49,535.78	1,718.84
		For Drycooler, Add	*17,681.29*	
		Note: Installation is externally mounted.		
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0033	EA	5 Ton Computer Room Air Conditioner, Glycol System Type	53,297.94	1,903.94
		For Drycooler, Add	*19,035.07*	
		Note: Installation is externally mounted.		
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0034	EA	6 Ton Computer Room Air Conditioner, Glycol System Type	69,765.18	2,133.12
		For Drycooler, Add	*24,844.44*	
		Note: Installation is externally mounted.		
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0035	EA	8 Ton Computer Room Air Conditioner, Glycol System Type	80,729.11	2,362.30
		For Drycooler, Add	*28,727.65*	
		Note: Installation is externally mounted.		
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0036	EA	9 Ton Computer Room Air Conditioner, Glycol System Type	85,293.72	2,476.88
		For Drycooler, Add	*30,348.18*	
		Note: Installation is externally mounted.		
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0037	EA	10 Ton Computer Room Air Conditioner, Glycol System Type	91,095.46	2,591.47
		For Drycooler, Add	*32,401.71*	
		Note: Installation is externally mounted.		
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0038	EA	12 Ton Computer Room Air Conditioner, Glycol System Type	97,283.49	2,706.65
		For Drycooler, Add	*34,590.44*	
		Note: Installation is externally mounted.		
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0039	EA	15 Ton Computer Room Air Conditioner, Glycol System Type	104,470.47	2,808.90
		For Drycooler, Add	*37,128.80*	
		Note: Installation is externally mounted.		
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0040	EA	16 Ton Computer Room Air Conditioner, Glycol System Type	111,264.06	2,938.18
		For Drycooler, Add	*39,532.99*	
		Note: Installation is externally mounted.		
		For 10 HP Glycol Pump, Add	*21,500.00*	
		For Remote Pump Control Panel, Add	*7,630.00*	
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0041	EA	20 Ton Computer Room Air Conditioner, Glycol System Type	122,076.97	3,055.71
		For Drycooler, Add	*43,340.43*	
		Note: Installation is externally mounted.		
		For 10 HP Glycol Pump, Add	*21,500.00*	
		For Remote Pump Control Panel, Add	*7,630.00*	
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0042	EA	22 Ton Computer Room Air Conditioner, Glycol System Type	126,518.02	3,349.52
		For Drycooler, Add	*44,951.22*	
		Note: Installation is externally mounted.		
		For 10 HP Glycol Pump, Add	*21,500.00*	
		For Remote Pump Control Panel, Add	*7,630.00*	
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0043	EA	30 Ton Computer Room Air Conditioner, Glycol System Type	154,317.58	3,643.34
		For Drycooler, Add	*54,738.35*	
		Note: Installation is externally mounted.		
		For 10 HP Glycol Pump, Add	*21,500.00*	
		For Remote Pump Control Panel, Add	*7,630.00*	
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	

23 81 23 12-0044 Removal And Reinstallation Of Computer Room Unit *(23 81 23 12)*

Note: Includes storage and cleaning. Excludes main mechanical piping. Reconnection of existing valves are included.

23 81 23 12-0045	EA	Removal And Reinstallation Up To 6 Ton, Floor Mounted Chilled Water Computer Room Unit	2,350.55
23 81 23 12-0046	EA	Removal And Reinstallation Up To 6 Ton Direct Expansion Computer Room Unit	1,958.79

23 81 23 13 Computer-Room Air-Conditioners, Ceiling Mounted Units *(23 81 23)*

23 81 23 13-0001 Ceiling Mounted Packaged Computer Room Air Conditioner *(23 81 23 13)*

Note: Includes compressor sequence switch, mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand, and outdoor air-cooled condenser complete with fan speed control.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 23 13-0002	EA	1 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System	16,165.92	745.13
		For Liebert Unit, Add	*1,881.09*	
23 81 23 13-0003	EA	1.5 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System	17,868.99	894.85
		For Liebert Unit, Add	*2,065.92*	
23 81 23 13-0004	EA	2 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System	20,401.52	1,119.92
		For Liebert Unit, Add	*2,340.32*	
23 81 23 13-0005	EA	3 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System	25,071.81	1,306.55
		For Liebert Unit, Add	*2,889.13*	
23 81 23 13-0006	EA	5 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System	34,023.03	1,420.08
		For Liebert Unit, Add	*3,986.74*	

23 81 23 13-0007 Horizontal Indoor Single Package Cooling Unit *(23 81 23 13)*

Note: Carrier 50AH With indoor scroll compressor, plenum mounted.

23 81 23 13-0008	EA	2 Ton Horizontal Indoor Single-Package Cooling Unit, 800 CFM Nominal	20,985.16	705.16
23 81 23 13-0009	EA	3 Ton Horizontal Indoor Single-Package Cooling Unit, 1,200 CFM Nominal	24,591.84	881.45
23 81 23 13-0010	EA	4 Ton Horizontal Indoor Single-Package Cooling Unit, 1,600 CFM Nominal	28,633.25	1,057.74
23 81 23 13-0011	EA	5 Ton Horizontal Indoor Single-Package Cooling Unit, 2,000 CFM Nominal	33,332.05	1,175.27

23 81 26 Split-System Air-Conditioners *(23 81)*

23 81 26 13 Small-Capacity Split-System Air-Conditioners *(23 81 26)*

23 81 26 13-0001 Split System A/C Unit *(23 81 26 13)*

See CSI section 23 23 16 00-0001 for piping, 23 54 00 00-0000 for furnaces.

23 81 26 13-0002 Ductless Split System Air Conditioners *(23 81 26 13-0001)*

Note: Excludes refrigerant piping, electrical, and pad. Panasonic units or equal. See CSI section 23 81 49 00-0025 for ductless heat pumps.

23 81 26 13-0003 Wall Mounted Ductless Split System Air Conditioners *(23 81 26 13-0002)*

23 81 26 13-0004	EA	9,000 BTU, 16 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,226.09	387.84
23 81 26 13-0005	EA	11,900 BTU, 17 SEER, Wall Mounted Ductless Split System Air Conditioner Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,412.08	423.09
23 81 26 13-0006	EA	17,500 BTU, 20 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,006.31	470.11
23 81 26 13-0007	EA	24,200 BTU, 17 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,340.19	517.12
23 81 26 13-0008	EA	25,200 BTU, 14.9 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,102.96	564.13
23 81 26 13-0009	EA	29,800 BTU, 15 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,928.69	587.64
23 81 26 13-0010	EA	31,400 BTU, 15.9 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,501.61	626.42

23 81 26 13-0011 Dual and Tri Zone Wall Mounted Ductless Split System Air Conditioners *(23 81 26 13-0002)*

Note: Use this section only when matching indoor and outdoor capacity units are not used.

23 81 26 13-0012	EA	7,500 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	962.79	188.05
23 81 26 13-0013	EA	9,000 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	1,018.21	199.80
23 81 26 13-0014	EA	11,900 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	1,074.52	211.55
23 81 26 13-0015	EA	17,500 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	1,212.54	223.30
23 81 26 13-0016	EA	24,200 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	1,296.68	235.06
23 81 26 13-0017	EA	19,700 BTU, 16.5 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes outdoor unit and refrigerant charge.	2,627.94	282.07
23 81 26 13-0018	EA	25,400 BTU, 16.2 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes outdoor unit and refrigerant charge.	2,906.65	305.57
23 81 26 13-0019	EA	30,600 BTU, 17.6 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes outdoor unit and refrigerant charge.	4,567.86	329.08

23 81 26 13-0020 Suspended Ceiling Mounted Ductless Split System Air Conditioners *(23 81 26 13-0002)*

Note: Excludes hangers.

23 81 26 13-0021	EA	24,400 BTU, 14.5 SEER, Ceiling Suspended Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,456.07	564.13
23 81 26 13-0022	EA	31,200 BTU, 15.1 SEER, Ceiling Suspended Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,649.50	673.43
23 81 26 13-0023	EA	39,000 BTU, 15.6 SEER, Ceiling Suspended Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	8,093.38	705.16

23 81 26 13-0024 Recessed Ceiling Mounted Ductless Split System Air Conditioners *(23 81 26 13-0002)*

Note: Excludes hangers.

23 81 26 13-0025	EA	11,900 BTU, 16 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,369.89	470.11

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 13-0026	EA	17,500 BTU, 16 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,924.62	517.12
23 81 26 13-0027	EA	24,800 BTU, 14.1 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,438.94	611.14
23 81 26 13-0028	EA	32,600 BTU, 14.6 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,290.41	673.43
23 81 26 13-0029	EA	39,500 BTU, 14.6 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	7,913.83	705.16
23 81 26 13-0030		**Ductless Split System Accessories** *(23 81 26 13-0002)*		
23 81 26 13-0031	LF	3" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	14.40	1.68
23 81 26 13-0032	LF	4" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	18.63	1.85
23 81 26 13-0033	LF	6" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	23.29	2.04
23 81 26 13-0034	EA	3" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers	24.06	3.16
23 81 26 13-0035	EA	4" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers	41.94	3.47
23 81 26 13-0036	EA	6" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers	47.84	3.82
23 81 26 13-0037	EA	3" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	60.23	6.32
23 81 26 13-0038	EA	4" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	100.84	6.95
23 81 26 13-0039	EA	6" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	112.61	7.65
23 81 26 13-0040	EA	3" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	80.85	6.74
23 81 26 13-0041	EA	4" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	94.98	7.42
23 81 26 13-0042	EA	6" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	148.01	8.15
23 81 26 13-0043	EA	3" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	60.23	6.32
23 81 26 13-0044	EA	4" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	100.84	6.95
23 81 26 13-0045	EA	6" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	112.61	7.65
23 81 26 13-0046	EA	3" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	77.83	10.53
23 81 26 13-0047	EA	4" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	114.88	11.58
23 81 26 13-0048	EA	6" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	137.73	12.74
23 81 26 13-0049	EA	2-1/2" Wall Sleeve, Rigid Polyvinyl Chloride (PVC) Line Set Covers	45.05	2.10
23 81 26 13-0050	EA	3" x 20" Flexible Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	48.14	6.32
23 81 26 13-0051	EA	4" x 20' Flexible Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	79.08	6.95
23 81 26 13-0052	EA	3" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers	43.30	6.32
23 81 26 13-0053	EA	4" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers	59.73	6.95
23 81 26 13-0054	EA	6" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers	64.25	7.65
23 81 26 13-0055	EA	4" T Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	216.54	8.42
23 81 26 13-0056	EA	6" T Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	245.69	9.27
23 81 26 13-0057	EA	14" Condensing Unit Mounting Blocks With End Caps	129.54	31.59
23 81 26 13-0058	EA	17" Condensing Unit Mounting Blocks With End Caps	143.18	33.69
23 81 26 13-0059	EA	36" Condensing Unit Mounting Blocks With End Caps	197.92	35.79
23 81 26 13-0060	EA	End Cap, Set of 4	24.16	
23 81 26 13-0061	EA	18" Condensing Unit Type 2 Wall Bracket, 165 Lb. Capacity	276.17	63.17
23 81 26 13-0062	EA	21" Condensing Unit Type 2 Wall Bracket, 220 Lb. Capacity	293.06	67.38
23 81 26 13-0063	LF	5/8" ID Condensate Drain Line	3.20	0.17
23 81 26 13-0064	LF	3/4" ID Condensate Drain Line	3.31	0.17
23 81 26 13-0065		**Cased A/C Evaporator Coils** *(23 81 26 13-0001)*		
23 81 26 13-0066		**Vertical Cased A/C Evaporator Coils** *(23 81 26 13-0065)*		
23 81 26 13-0067	EA	1-1/2 Ton Vertical Cased A/C Evaporator Coil	817.41	117.10
23 81 26 13-0068	EA	2 Ton Vertical Cased A/C Evaporator Coil	851.29	125.88
23 81 26 13-0069	EA	2-1/2 Ton Vertical Cased A/C Evaporator Coil	1,018.17	134.66
23 81 26 13-0070	EA	3 Ton Vertical Cased A/C Evaporator Coil	1,164.06	143.45
23 81 26 13-0071	EA	3-1/2 Ton Vertical Cased A/C Evaporator Coil	1,353.06	149.31
23 81 26 13-0072	EA	4 Ton Vertical Cased A/C Evaporator Coil	1,514.07	155.16
23 81 26 13-0073	EA	4-1/2 Ton Vertical Cased A/C Evaporator Coil	1,626.14	166.88
23 81 26 13-0074	EA	5 Ton Vertical Cased A/C Evaporator Coil	1,634.39	175.66
23 81 26 13-0075		**"A" Style Horizontal Cased A/C Evaporator Coils** *(23 81 26 13-0065)*		
23 81 26 13-0076	EA	2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,009.89	120.03
23 81 26 13-0077	EA	2-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,165.61	126.77
23 81 26 13-0078	EA	3 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,338.94	134.66
23 81 26 13-0079	EA	3-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,387.16	139.53
23 81 26 13-0080	EA	4 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,452.19	146.38
23 81 26 13-0081	EA	4-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,467.56	153.99
23 81 26 13-0082	EA	5 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,482.64	161.60
23 81 26 13-0083		**Slab Style Horizontal Cased A/C Evaporator Coils** *(23 81 26 13-0065)*		
23 81 26 13-0084	EA	2 Ton Slab Style Horizontal Cased A/C Evaporator Coil	876.92	120.03
23 81 26 13-0085	EA	3 Ton Slab Style Horizontal Cased A/C Evaporator Coil	1,056.66	134.66
23 81 26 13-0086	EA	4 Ton Slab Style Horizontal Cased A/C Evaporator Coil	1,223.56	146.38
23 81 26 13-0087	EA	5 Ton Slab Style Horizontal Cased A/C Evaporator Coil	1,480.31	161.60
23 81 26 16		**Large-Capacity Split-System Air-Conditioners** *(23 81 26)*		
23 81 26 16-0001		Split System Air Conditioners, Variable Refrigerant Flow (Mitsubishi City Multi) *(23 81 26 16)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 16-0002		**Outdoor Units** *(23 81 26 16-0001)*		
23 81 26 16-0003	EA	6 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P72YKMU-A)	17,147.67	617.02
23 81 26 16-0004	EA	8 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P96YKMU-A)	18,590.97	734.54
23 81 26 16-0005	EA	10 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P120YKMU-A)	20,929.50	881.45
23 81 26 16-0006	EA	12 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P144YKMU-A)	25,769.58	910.84
23 81 26 16-0007	EA	12 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P144YSKMU-A)	34,286.01	940.22
23 81 26 16-0008	EA	14 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P168YSKMU-A)	35,553.01	969.60
23 81 26 16-0009	EA	16 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P192YSKMU-A)	36,820.02	998.98
23 81 26 16-0010	EA	18 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P216YSKMU-A)	38,982.26	1,057.74
23 81 26 16-0011	EA	20 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P240YSKMU-A)	41,144.50	1,116.51
23 81 26 16-0012	EA	22 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P264YSKMU-A)	46,043.36	1,175.27
23 81 26 16-0013	EA	24 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P288YSKMU-A)	50,942.20	1,234.03
23 81 26 16-0014	EA	Condensing Unit (Mitsubish PUMY-P36NHMU)	4,315.02	
23 81 26 16-0015	EA	Condensing Unit (Mitsubish PUY-A12NHA4)	4,079.97	
23 81 26 16-0016		**Indoor Units** *(23 81 26 16-0001)*		
23 81 26 16-0017	EA	6 MBH Cooling, 6.7 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P06NBMU-E2)	1,776.08	190.99
23 81 26 16-0018	EA	8 MBH Cooling, 9 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P08NHMU-E2)	1,867.42	205.68
23 81 26 16-0019	EA	12 MBH Cooling, 13.5 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P12NHMU-E2)	1,948.44	220.37
23 81 26 16-0020	EA	15 MBH Cooling, 17 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P15NHMU-E2)	2,044.95	235.06
23 81 26 16-0021	EA	18 MBH Cooling, 20 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P18NHMU-E2)	2,215.72	279.13
23 81 26 16-0022	EA	24 MBH Cooling, 27 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P24NKMU-E2)	2,474.71	337.89
23 81 26 16-0023	EA	30 MBH Cooling, 34 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P30NKMU-E2)	2,681.15	367.27
23 81 26 16-0024	EA	6 MBH Cooling, 6.7 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P06NMAU-E3)	2,573.30	210.08
23 81 26 16-0025	EA	8 MBH Cooling, 9 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P08NMAU-E3)	2,662.41	226.24
23 81 26 16-0026	EA	12 MBH Cooling, 13.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P12NMAU-E3)	2,808.34	242.40
23 81 26 16-0027	EA	15 MBH Cooling, 17 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P15NMAU-E3)	3,047.19	258.56
23 81 26 16-0028	EA	18 MBH Cooling, 20 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P18NMAU-E3)	3,216.44	307.04
23 81 26 16-0029	EA	24 MBH Cooling, 27 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P24NMAU-E3)	3,531.60	371.68
23 81 26 16-0030	EA	27 MBH Cooling, 30 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P27NMAU-E3)	3,713.66	387.84
23 81 26 16-0031	EA	30 MBH Cooling, 34 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P30NMAU-E3)	3,916.38	404.00
23 81 26 16-0032	EA	36 MBH Cooling, 40 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P36NMAU-E3)	4,343.12	444.40
23 81 26 16-0033	EA	48 MBH Cooling, 54 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P48NMAU-E3)	4,814.10	488.84
23 81 26 16-0034	EA	54 MBH Cooling, 60 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P54NMAU-E3)	5,211.34	537.73
23 81 26 16-0035	EA	72 MBH Cooling, 80 MBH Heating Ceiling Concealed High Static Ducted Indoor Unit (Mitsubishi PEFY-P72NMHSU-E)	6,604.57	591.50
23 81 26 16-0036	EA	96 MBH Cooling, 108 MBH Heating Ceiling Concealed High Static Ducted Indoor Unit (Mitsubishi PEFY-P96NMHSU-E)	7,497.40	650.64
23 81 26 16-0037	EA	12 MBH Cooling, 13.5 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP12NEMU-E)	2,925.03	242.40
23 81 26 16-0038	EA	15 MBH Cooling, 17 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP15NEMU-E)	3,084.37	258.56
23 81 26 16-0039	EA	18 MBH Cooling, 20 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP18NEMU-E)	3,256.72	307.04
23 81 26 16-0040	EA	24 MBH Cooling, 27 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP24NEMU-E)	3,651.39	371.68
23 81 26 16-0041	EA	30 MBH Cooling, 34 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP30NEMU-E)	3,933.93	404.00
23 81 26 16-0042	EA	36 MBH Cooling, 40 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP36NEMU-E)	4,812.99	444.41
23 81 26 16-0043	EA	6 MBH Cooling, 6.7 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P06NBMU-ER5)	2,630.10	210.08
23 81 26 16-0044	EA	8 MBH Cooling, 9 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P08NBMU-ER5)	2,765.68	226.24
23 81 26 16-0045	EA	12 MBH Cooling, 13.5 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P12NBMU-ER5)	2,973.57	242.40
23 81 26 16-0046	EA	15 MBH Cooling, 17 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P15NBMU-ER5)	3,129.81	258.56
23 81 26 16-0047	EA	8 MBH Cooling, 9 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P08NCMU-ER4)	2,435.22	226.24
23 81 26 16-0048	EA	12 MBH Cooling, 13.5 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P12NCMU-ER4)	2,560.49	242.40
23 81 26 16-0049	EA	15 MBH Cooling, 17 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P15NCMU-ER4)	2,690.92	258.56
23 81 26 16-0050	EA	DX Fan Coil (Mitsubish PKA-A12HA4)	4,667.60	
23 81 26 16-0051	EA	DX Fan Coil (Mitsubish PKFY-P12NHMU-E2)	4,667.60	
23 81 26 16-0052		**Controllers For Outdoor Units** *(23 81 26 16-0001)*		
23 81 26 16-0053	EA	8 Branch (Main BC) (Mitsubishi CMB-P108NU-HA1)	9,285.29	176.29
23 81 26 16-0054	EA	10 Branch (Main BC) (Mitsubishi CMB-P1010NU-HA1)	10,738.17	205.68
23 81 26 16-0055	EA	13 Branch (Main BC) (Mitsubishi CMB-P1013NU-GA)	11,865.76	235.06
23 81 26 16-0056	EA	16 Branch (Main BC) (Mitsubishi CMB-P1016NU-HA)	14,082.83	264.44
23 81 26 16-0057	EA	4 Branch (Sub BC) (Mitsubishi CMB-P104NU-GB)	5,176.45	117.52
23 81 26 16-0058	EA	8 Branch (Sub BC) (Mitsubishi CMB-P108NU-GB)	7,973.78	176.29
23 81 26 16-0059	EA	16 Branch (Sub BC) (Mitsubishi CMB-P1016NU-HB)	12,187.86	264.44
23 81 26 16-0060		**Energy Recovery Units** *(23 81 26 16-0001)*		
23 81 26 16-0061	EA	36.2 MBH Cooling, 39.9 MBH Heating Hydronic Heat Exchanger Auxiliary Unit (Mitsubishi PWFY-P36NMU-E2-AU)	6,569.33	176.29
23 81 26 16-0062	EA	39.9 MBH Hydronic Heat Exchanger Booster Unit (Mitsubishi PWFY-P36NMU-E-BU)	12,434.97	176.29

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 16-0063	EA	112 MBH Cooling, 61.4 MBH Heating Reheat Unit (Mitsubishi PEFY-AF1200CFMR)	12,612.49	205.68
23 81 26 16-0064	EA	Lossnay Energy Recovery Ventilator ERV, 300 CFM (Mitsubishi LGH-F300RX5-E)	2,617.36	146.90
23 81 26 16-0065	EA	Lossnay Energy Recovery Ventilator ERV, 470 CFM (Mitsubishi LGH-F470RX5-E)	3,336.49	152.78
23 81 26 16-0066	EA	Lossnay Energy Recovery Ventilator ERV, 600 CFM (Mitsubishi LGH-F600RX5-E)	3,978.18	158.67
23 81 26 16-0067	EA	Lossnay Energy Recovery Ventilator ERV, 1,200 CFM (Mitsubishi LGH-F1200RX5-E1)	7,256.06	176.29
23 81 26 16-0068		**Piping Specialties** *(23 81 26 16-0001)*		
23 81 26 16-0069	EA	Maintenance Tool Interface (Mitsubishi CMS-MNG-E)	919.09	
23 81 26 16-0070	EA	Branch Joint (Mitsubishi CMY-Y102SS-G2)	242.69	44.48
23 81 26 16-0071	EA	Branch Joint (Mitsubishi CMY-Y102LS-G2)	242.69	44.48
23 81 26 16-0072	EA	Branch Joint (Mitsubishi CMY-Y202S-G2)	269.20	46.83
23 81 26 16-0073	EA	Branch Joint (Mitsubishi CMY-Y302S-G2)	337.70	52.68
23 81 26 16-0074	EA	Header - 4 Branch (Mitsubishi CMY-Y64-G-E)	441.32	76.08
23 81 26 16-0075	EA	Header - 8 Branch (Mitsubishi CMY-Y68-G-E)	748.39	152.17
23 81 26 16-0076	EA	Refrigeration Ball Valve-Flare/Schrader/Insulated - 3/8" (Mitsubishi BV38FFSI)	135.55	18.73
23 81 26 16-0077	EA	Refrigeration Ball Valve-Flare/Schrader/Insulated - 5/8" (Mitsubishi BV58FFSI)	152.71	25.75
23 81 26 16-0078		**Split System Air Conditioners (Daikin VRV)** *(23 81 26 16)*		
23 81 26 16-0079		**Heat Pump Outdoor Units** *(23 81 26 16-0078)*		
23 81 26 16-0080	EA	6 Ton Heat Pump Outdoor Unit (Daikin)	26,195.71	617.02
23 81 26 16-0081	EA	8 Ton Heat Pump Outdoor Unit (Daikin)	29,277.27	734.54
23 81 26 16-0082	EA	10 Ton Heat Pump Outdoor Unit (Daikin)	32,636.56	881.45
23 81 26 16-0083	EA	12 Ton Heat Pump Outdoor Unit (Daikin)	40,796.92	910.84
23 81 26 16-0084	EA	14 Ton Heat Pump Outdoor Unit (Daikin)	54,709.05	969.60
23 81 26 16-0085	EA	16 Ton Heat Pump Outdoor Unit (Daikin)	57,833.29	998.98
23 81 26 16-0086	EA	18 Ton Heat Pump Outdoor Unit (Daikin)	60,797.33	1,057.74
23 81 26 16-0087	EA	20 Ton Heat Pump Outdoor Unit (Daikin)	63,980.32	1,116.51
23 81 26 16-0088	EA	22 Ton Heat Pump Outdoor Unit (Daikin)	82,928.60	1,175.27
23 81 26 16-0089	EA	24 Ton Heat Pump Outdoor Unit (Daikin)	86,111.58	1,234.03
23 81 26 16-0090	EA	26 Ton Heat Pump Outdoor Unit (Daikin)	89,294.57	1,292.80
23 81 26 16-0091	EA	28 Ton Heat Pump Outdoor Unit (Daikin)	92,258.62	1,351.56
23 81 26 16-0092	EA	30 Ton Heat Pump Outdoor Unit (Daikin)	95,441.61	1,410.33
23 81 26 16-0093		**Heat Recovery Heat Pump Outdoor Units** *(23 81 26 16-0078)*		
23 81 26 16-0094	EA	6 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	33,545.85	802.13
23 81 26 16-0095	EA	8 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	36,576.05	954.91
23 81 26 16-0096	EA	10 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	40,172.21	1,145.89
23 81 26 16-0097	EA	12 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	50,539.83	1,184.09
23 81 26 16-0098	EA	14 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	68,428.55	1,260.48
23 81 26 16-0099	EA	16 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	73,760.03	1,298.67
23 81 26 16-0100	EA	18 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	76,540.36	1,375.06
23 81 26 16-0101	EA	20 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	79,320.69	1,451.46
23 81 26 16-0102	EA	22 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	104,544.63	1,527.85
23 81 26 16-0103	EA	24 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	107,324.96	1,604.24
23 81 26 16-0104	EA	26 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	112,732.84	1,680.63
23 81 26 16-0105	EA	28 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	115,513.16	1,757.03
23 81 26 16-0106		**Indoor Units** *(23 81 26 16-0078)*		
23 81 26 16-0107	EA	7.5 MBH Cooling, 8.5 MBH Heating Wall Mounted Indoor Unit (Daikin)	2,972.78	205.68
23 81 26 16-0108	EA	9.5 MBH Cooling, 10.5 MBH Heating Wall Mounted Indoor Unit (Daikin)	3,106.41	211.55
23 81 26 16-0109	EA	12 MBH Cooling, 13.5 MBH Heating Wall Mounted Indoor Unit (Daikin)	3,518.58	220.37
23 81 26 16-0110	EA	18 MBH Cooling, 20 MBH Heating Wall Mounted Indoor Unit (Daikin)	3,937.71	279.13
23 81 26 16-0111	EA	24 MBH Cooling, 26.5 MBH Heating Wall Mounted Indoor Unit (Daikin)	4,315.51	337.89
23 81 26 16-0112	EA	7.5 MBH Cooling, 8.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin)	4,369.00	226.24
23 81 26 16-0113	EA	9.5 MBH Cooling, 10.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin)	4,516.20	232.70
23 81 26 16-0114	EA	12 MBH Cooling, 13.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin)	4,744.23	129.28
23 81 26 16-0115	EA	18 MBH Cooling, 20 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin)	5,028.44	307.04
23 81 26 16-0116	EA	24 MBH Cooling, 27 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin)	5,957.14	371.68
23 81 26 16-0117	EA	30 MBH Cooling, 34 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin)	6,817.06	404.00
23 81 26 16-0118	EA	36 MBH Cooling, 40 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin)	7,282.08	444.40
23 81 26 16-0119	EA	48 MBH Cooling, 54 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin)	7,525.89	488.84
23 81 26 16-0120	EA	7.5 MBH Cooling, 8.7 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin)	4,893.68	226.24
23 81 26 16-0121	EA	9.5 MBH Cooling, 11.1 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin)	5,009.90	232.70
23 81 26 16-0122	EA	12 MBH Cooling, 14 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin)	5,328.82	242.40
23 81 26 16-0123	EA	18 MBH Cooling, 21 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin)	5,675.00	307.04
23 81 26 16-0124		**Branch Selector Boxes** *(23 81 26 16-0078)*		
23 81 26 16-0125	EA	144 MBH, 4 Branch, Multi Port Branch Selector Box (Daikin)	14,980.37	264.44
23 81 26 16-0126	EA	216 MBH, 6 Branch, Multi Port Branch Selector Box (Daikin)	22,163.44	352.58
23 81 26 16-0127	EA	36 MBH, 4 Branch, Single Port Branch Selector Box (Daikin)	2,941.10	117.52
23 81 26 16-0128	EA	60 MBH, 8 Branch, Single Port Branch Selector Box (Daikin)	3,961.32	176.29
23 81 26 16-0129	EA	96 MBH, 8 Branch, Single Port Branch Selector Box (Daikin)	4,908.11	264.44

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 16-0130		**Controllers** *(23 81 26 16-0078)*		
23 81 26 16-0131	EA	Up To 16 Units, Navigation Controller (Daikin)	906.41	23.50
23 81 26 16-0132	EA	Individual Zone Controller (Daikin)	650.26	23.50
23 81 26 16-0133	EA	Up To 16 Groups, Unified ON/OFF Controller (Daikin)	1,276.16	23.50
23 81 26 16-0134	EA	Up To 64 Units, Multizone Controller (Daikin)	1,794.65	23.50
23 81 26 16-0135	EA	I-Touch Manager Replaced Both Daikin IMP-128 thru 1024 and DCS601C71 (Daikin)	16,660.71	282.07
23 81 26 16-0136	EA	I-Touch Manager D3net Plus Adapter (Daikin)	3,127.01	23.50
23 81 26 16-0137	EA	24 Volt AC, Wired Thermostat For Split A/C Systems (Daikin))	685.19	41.48
23 81 26 16-0138		**Energy Recovery Units** *(23 81 26 16-0078)*		
23 81 26 16-0139	EA	300 CFM Energy Recovery Unit (Daikin)	5,166.76	146.90
23 81 26 16-0140	EA	470 CFM Energy Recovery Unit (Daikin)	6,711.24	152.78
23 81 26 16-0141	EA	600 CFM Energy Recovery Unit (Daikin)	8,036.77	158.67
23 81 26 16-0142	EA	1,200 CFM Energy Recovery Unit (Daikin)	15,023.04	176.29
23 81 43		**Air-Source Unitary Heat Pumps** *(23 81)*		
23 81 43 00-0001		**Single Package Thru-Wall Heat Pumps** *(23 81 43)* Note: Air-to-air type with electric heat. Includes throwaway filters. Through the wall units are wired for 230/208 Volt, 1 phase, 60 HZ. With electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls all mounted in a steel cabinet, wall sleeve and outdoor grille. Excludes crane and associated personnel. See CSI section 01 22 23 00-0969 for crane lifting equipment.		
23 81 43 00-0002	EA	1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	2,238.77	191.07
		For Unit Economizer, Add	*298.65*	
		For >35 To 70, Deduct	*-56.08*	
		For >70 To 100, Deduct	*-93.47*	
		For >100, Deduct	*-130.86*	
		For Low Ambient Protection, 0 Degree F, Add	*260.59*	
23 81 43 00-0003	EA	1 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	2,471.96	203.82
		For Unit Economizer, Add	*330.28*	
		For >35 To 70, Deduct	*-62.31*	
		For >70 To 100, Deduct	*-103.85*	
		For >100, Deduct	*-145.39*	
		For Low Ambient Protection, 0 Degree F, Add	*285.66*	
23 81 43 00-0004	EA	1-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	4,216.70	203.82
		For Unit Economizer, Add	*574.54*	
		For >35 To 70, Deduct	*-114.65*	
		For >70 To 100, Deduct	*-191.09*	
		For >100, Deduct	*-267.53*	
		For Low Ambient Protection, 0 Degree F, Add	*442.69*	
23 81 43 00-0005	EA	2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	4,616.04	203.82
		For Unit Economizer, Add	*629.43*	
		For >35 To 70, Deduct	*-125.87*	
		For >70 To 100, Deduct	*-209.78*	
		For >100, Deduct	*-293.70*	
		For Low Ambient Protection, 0 Degree F, Add	*230.96*	
23 81 43 00-0006	EA	2-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	5,223.10	216.55
		For Unit Economizer, Add	*713.40*	
		For >35 To 70, Deduct	*-143.32*	
		For >70 To 100, Deduct	*-238.86*	
		For >100, Deduct	*-334.41*	
		For Low Ambient Protection, 0 Degree F, Add	*254.78*	
23 81 43 00-0007	EA	3 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	5,472.35	229.29
		For Unit Economizer, Add	*748.30*	
		For >35 To 70, Deduct	*-150.80*	
		For >70 To 100, Deduct	*-251.33*	
		For >100, Deduct	*-351.86*	
		For Low Ambient Protection, 0 Degree F, Add	*764.91*	
23 81 43 00-0008	EA	3-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	6,162.49	229.29
		For Unit Economizer, Add	*843.90*	
		For >35 To 70, Deduct	*-170.74*	
		For >70 To 100, Deduct	*-284.56*	
		For >100, Deduct	*-398.38*	
		For Low Ambient Protection, 0 Degree F, Add	*857.68*	
23 81 43 00-0009	EA	4 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	6,798.35	242.02
		For Unit Economizer, Add	*932.41*	
		For >35 To 70, Deduct	*-189.43*	
		For >70 To 100, Deduct	*-315.71*	
		For >100, Deduct	*-442.00*	
		For Low Ambient Protection, 0 Degree F, Add	*941.87*	
23 81 43 00-0010	EA	5 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	7,830.22	280.24
		For Unit Economizer, Add	*1,073.81*	
		For >35 To 70, Deduct	*-218.09*	
		For >70 To 100, Deduct	*-363.49*	
		For >100, Deduct	*-508.88*	
		For Low Ambient Protection, 0 Degree F, Add	*1,085.19*	
23 81 43 00-0011	EA	7-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	14,342.25	331.19
		For Unit Economizer, Add	*1,980.91*	
		For >35 To 70, Deduct	*-410.01*	
		For >70 To 100, Deduct	*-683.36*	
		For >100, Deduct	*-956.70*	
		For Low Ambient Protection, 0 Degree F, Add	*1,945.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 43 00-0012	EA	10 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	18,467.01	420.36
		For Unit Economizer, Add	*2,551.24*	
		For >35 To 70, Deduct	*-528.41*	
		For >70 To 100, Deduct	*-880.68*	
		For >100, Deduct	*-1,232.95*	
		For Low Ambient Protection, 0 Degree F, Add	*389.50*	
23 81 43 00-0013	EA	12-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	22,544.16	471.32
		For Unit Economizer, Add	*3,118.48*	
		For >35 To 70, Deduct	*-648.05*	
		For >70 To 100, Deduct	*-1,080.08*	
		For >100, Deduct	*-1,512.11*	
		For Low Ambient Protection, 0 Degree F, Add	*451.67*	
23 81 43 00-0014	EA	15 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	27,809.94	535.01
		For Unit Economizer, Add	*3,851.10*	
		For >35 To 70, Deduct	*-802.58*	
		For >70 To 100, Deduct	*-1,337.63*	
		For >100, Deduct	*-1,872.69*	
		For Low Ambient Protection, 0 Degree F, Add	*531.85*	
23 81 43 00-0015	EA	20 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	37,038.22	573.22
		For Unit Economizer, Add	*5,139.49*	
		For >35 To 70, Deduct	*-1,076.75*	
		For >70 To 100, Deduct	*-1,794.59*	
		For >100, Deduct	*-2,512.42*	
		For Low Ambient Protection, 0 Degree F, Add	*645.53*	
23 81 43 00-0016	EA	25 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	44,617.57	624.18
		For Unit Economizer, Add	*6,196.53*	
		For >35 To 70, Deduct	*-1,301.08*	
		For >70 To 100, Deduct	*-2,168.46*	
		For >100, Deduct	*-3,035.85*	
		For Low Ambient Protection, 0 Degree F, Add	*745.78*	

23 81 43 00-0017 Single Package Vertical Wall Heat Pumps *(23 81 43)*

Note: Air-to-air type with electric heat. Includes throwaway filters. Wall units are wired for 230/208 Volt, 1 phase, 60 HZ. With solid state electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls, insulated steel cabinet, with wall sleeve and outdoor grille and stainless steel drain pan. Excludes crane and associated personnel. See CSI section 01 22 23 00-0969 for crane lifting equipment.

23 81 43 00-0018	EA	1/2 Ton Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	3,439.26	254.77
23 81 43 00-0019	EA	1 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	4,171.17	280.24
23 81 43 00-0020	EA	1-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	5,389.75	292.99
23 81 43 00-0021	EA	2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	6,178.53	318.46
23 81 43 00-0022	EA	2-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	7,724.72	369.41
23 81 43 00-0023	EA	3 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	8,253.44	420.36
23 81 43 00-0024	EA	3-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	8,964.64	471.32
23 81 43 00-0025	EA	4 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	10,086.96	522.27
23 81 43 00-0026	EA	5 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	11,373.98	624.18

23 81 43 00-0027 Heat Pump, Room Air-Conditioners *(23 81 43)*

Note: Includes throwaway filters and supplemental heat.

23 81 43 00-0028 Heat Pump, Window Unit, Room Air-Conditioners *(23 81 43 00-0027)*

23 81 43 00-0029 Heat Pump, Window Unit, Room Air-Conditioners (Friedrich) *(23 81 43 00-0028)*

23 81 43 00-0030	EA	10,000 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YS10N10C)	2,579.44	123.40
		For >10 To 50, Deduct	*-116.63*	
		For >50 To 75, Deduct	*-163.28*	
		For >75 To 100, Deduct	*-233.26*	
		For >100, Deduct	*-279.92*	
23 81 43 00-0031	EA	12,000 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YS12N33C)	2,915.61	123.40
		For >10 To 50, Deduct	*-133.44*	
		For >50 To 75, Deduct	*-186.82*	
		For >75 To 100, Deduct	*-266.88*	
		For >100, Deduct	*-320.26*	
23 81 43 00-0032	EA	17,500 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich KHM18A34A)	3,419.86	123.40
		For >10 To 50, Deduct	*-158.65*	
		For >50 To 75, Deduct	*-222.11*	
		For >75 To 100, Deduct	*-317.31*	
		For >100, Deduct	*-380.77*	
23 81 43 00-0033	EA	24,000 BTU, 10.3 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YL24N35D)	3,980.14	123.40
		For >10 To 50, Deduct	*-186.67*	
		For >50 To 75, Deduct	*-261.33*	
		For >75 To 100, Deduct	*-373.33*	
		For >100, Deduct	*-448.00*	

23 81 43 00-0034 Heat Pump, Through-The-Wall, Room Air-Conditioners *(23 81 43 00-0027)*

Note: Base unit excludes wall sleeve.

23 81 43 00-0035 Heat Pump, Through-The-Wall, Room Air-Conditioners (Friedrich) *(23 81 43 00-0034)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 43 00-0036	EA	9,300 BTU, 9.8 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich WY09C33D)	2,602.30	88.14
		For >10 To 50, Deduct	*-121.30*	
		For >50 To 75, Deduct	*-169.82*	
		For >75 To 100, Deduct	*-242.60*	
		For >100, Deduct	*-291.12*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*276.66*	
23 81 43 00-0037	EA	11,300 BTU, 9.3 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich WY12D33A)	2,602.30	88.14
		For >10 To 50, Deduct	*-121.30*	
		For >50 To 75, Deduct	*-169.82*	
		For >75 To 100, Deduct	*-242.60*	
		For >100, Deduct	*-291.12*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*276.66*	

23 81 46 Water-Source Unitary Heat Pumps *(23 81)*

23 81 46 00-0001 Horizontal, Ceiling Mounted, Single Stage, 208/230-1-60, With 2-Way Solenoid Valve, Water Source Heat Pumps *(23 81 46)*

Note: Includes rubber isolator hanger brackets.

23 81 46 00-0002	EA	1/2 Ton, 300 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	4,483.56	234.21
23 81 46 00-0003	EA	3/4 Ton, 300 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	4,631.05	234.21
23 81 46 00-0004	EA	1 Ton, 400 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	5,362.92	257.63
23 81 46 00-0005	EA	1-1/2 Ton, 630 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	5,642.48	281.04
23 81 46 00-0006	EA	2 Ton, 800 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	6,049.86	304.46
23 81 46 00-0007	EA	2-1/2 Ton, 1,000 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	7,145.57	327.89
23 81 46 00-0008	EA	3 Ton, 1,200 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	7,290.73	351.31
23 81 46 00-0009	EA	3-1/2 Ton, 1,400 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	7,960.33	374.72
23 81 46 00-0010	EA	4 Ton, 1,600 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	8,498.81	398.15
23 81 46 00-0011	EA	5 Ton, 2,000 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	8,627.61	421.57

23 81 49 Split System Heat Pumps *(23 81)*

23 81 49 00-0001 Split System Heat Pump *(23 81 49)*

See CSI section 23 23 16 00-0001 for piping.

23 81 49 00-0002 Air-Cooled, Outdoor Section *(23 81 49 00-0001)*

Note: Includes 20' length of piping (liquid line and insulated suction line). Excludes additional piping.

23 81 49 00-0003	EA	1.5 Ton, 14 SEER, Outdoor Heat Pump Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.	4,278.02	378.33
		For Low Ambient Protection, 0 Degree F, Add	*773.12*	
		For Winterstart Control, Add	*205.51*	
		For 15 SEER, Add	*666.86*	
		For 16 SEER, Add	*1,074.39*	
		For 18 SEER, Add	*1,630.11*	
23 81 49 00-0004	EA	2 Ton, 14 SEER, Outdoor Heat Pump Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.	4,413.91	420.36
		For Low Ambient Protection, 0 Degree F, Add	*801.32*	
		For Winterstart Control, Add	*214.77*	
		For 15 SEER, Add	*679.86*	
		For 16 SEER, Add	*1,095.33*	
		For 18 SEER, Add	*1,661.88*	
23 81 49 00-0005	EA	2.5 Ton, 14 SEER, Outdoor Heat Pump Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.	4,824.56	487.87
		For Low Ambient Protection, 0 Degree F, Add	*879.28*	
		For Winterstart Control, Add	*237.31*	
		For 15 SEER, Add	*735.43*	
		For 16 SEER, Add	*1,184.86*	
		For 18 SEER, Add	*1,797.73*	
23 81 49 00-0006	EA	3 Ton, 14 SEER, Outdoor Heat Pump Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.	5,268.63	560.48
		For Low Ambient Protection, 0 Degree F, Add	*742.64*	
		For Winterstart Control, Add	*261.70*	
		For 15 SEER, Add	*795.49*	
		For 16 SEER, Add	*1,281.62*	
		For 18 SEER, Add	*1,944.52*	
23 81 49 00-0007	EA	3.5 Ton, 14 SEER, Outdoor Heat Pump Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.	5,435.67	582.14
		For Low Ambient Protection, 0 Degree F, Add	*766.92*	
		For Winterstart Control, Add	*270.34*	
		For 15 SEER, Add	*819.69*	
		For 16 SEER, Add	*1,320.61*	
		For 18 SEER, Add	*2,003.68*	
23 81 49 00-0008	EA	4 Ton, 14 SEER, Outdoor Heat Pump Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.	6,037.03	668.76
		For Low Ambient Protection, 0 Degree F, Add	*848.64*	
		For Winterstart Control, Add	*298.80*	
		For 15 SEER, Add	*914.70*	
		For 16 SEER, Add	*1,473.68*	
		For 18 SEER, Add	*2,235.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 49 00-0009	EA	5 Ton, 14 SEER, Outdoor Heat Pump Unit	6,872.03	735.63
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*553.78*	
		For Winterstart Control, Add	*163.30*	
		For 15 SEER, Add	*1,047.80*	
		For 16 SEER, Add	*1,688.13*	
		For 18 SEER, Add	*2,561.30*	
23 81 49 00-0010	EA	7.5 Ton, 11.5 EER, Outdoor Heat Pump Unit	7,604.20	822.69
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*615.26*	
		For Winterstart Control, Add	*181.82*	
23 81 49 00-0011	EA	10 Ton, 11.1 EER, Outdoor Heat Pump Unit	10,513.76	987.23
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*433.75*	
		For Winterstart Control, Add	*232.27*	
23 81 49 00-0012	EA	15 Ton, 10.9 EER, Outdoor Heat Pump Unit	13,823.89	1,151.77
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*490.96*	
		For Winterstart Control, Add	*285.97*	
23 81 49 00-0013	EA	20 Ton, 10.3 EER, Outdoor Heat Pump Unit	24,811.86	1,234.03
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*521.24*	
		For Winterstart Control, Add	*406.75*	

23 81 49 00-0014 Indoor Section, Horizontal Upflow *(23 81 49 00-0001)*

Note: Electric heat. Includes throwaway filters.

23 81 49 00-0015	EA	2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat	1,316.61	125.75
		For Additional 5 KW Electric Heat, Add	*119.02*	
23 81 49 00-0016	EA	2-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat	1,452.46	156.66
		For Additional 5 KW Electric Heat, Add	*129.58*	
23 81 49 00-0017	EA	3 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat	1,518.18	189.21
		For Additional 5 KW Electric Heat, Add	*132.86*	
23 81 49 00-0018	EA	3-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat	2,044.12	221.54
		For Additional 5 KW Electric Heat, Add	*182.24*	
23 81 49 00-0019	EA	4 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat	2,100.74	249.75
		For Additional 5 KW Electric Heat, Add	*185.07*	
23 81 49 00-0020	EA	5 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat	2,330.80	286.76
		For Additional 5 KW Electric Heat, Add	*204.42*	
23 81 49 00-0021	EA	7-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat	4,964.55	470.11
		For Additional 5 KW Electric Heat, Add	*449.44*	
23 81 49 00-0022	EA	10 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15 kW Electric Heat	7,308.97	528.87
		For Additional 5 KW Electric Heat, Add	*678.01*	
23 81 49 00-0023	EA	15 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15KW Electric Heat	10,243.90	587.64
		For Additional 5 KW Electric Heat, Add	*965.63*	
23 81 49 00-0024	EA	20 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15 KW Electric Heat	11,645.28	705.16
		For Additional 5 KW Electric Heat, Add	*1,094.00*	

23 81 49 00-0025 Ductless Split System Heat Pumps *(23 81 49 00-0001)*

Note: Excludes refrigerant piping, electrical, and pad. Sanyo units or equal. See CSI section 23 81 26 13-0030 for accessories.

23 81 49 00-0026 Wall Mounted Ductless Split System Heat Pumps *(23 81 49 00-0025)*

23 81 49 00-0027	EA	9,000 BTU Cooling, 12,200 BTU Heating, 16 SEER, Wall Mounted Ductless Split System Heat Pumps	2,405.64	387.84
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0028	EA	11,900 BTU Cooling, 13,300 BTU Heating, 17 SEER, Wall Mounted Ductless Split System Heat Pumps	2,658.06	423.09
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0029	EA	17,500 BTU Cooling, 20,400 BTU Heating, 20 SEER, Wall Mounted Ductless Split System Heat Pumps	3,236.13	470.11
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0030	EA	24,200 BTU Cooling, 29,000 BTU Heating, 17 SEER, Wall Mounted Ductless Split System Heat Pumps	3,721.73	517.12
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0031	EA	25,200 BTU Cooling, 29,200 BTU Heating, 14.9 SEER, Wall Mounted Ductless Split System Heat Pumps	5,246.00	564.13
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0032	EA	29,800 BTU Cooling, 34,800 BTU Heating, 15 SEER, Wall Mounted Ductless Split System Heat Pumps	6,065.15	587.64
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0033	EA	31,400 BTU Cooling, 36,400 BTU Heating, 15.9 SEER, Wall Mounted Ductless Split System Heat Pumps	6,649.74	626.42
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		

23 81 49 00-0034 Dual and Tri Zone Wall Mounted Ductless Split System Heat Pumps *(23 81 49 00-0025)*

Note: Use this section only when matching indoor and outdoor capacity units are not used.

23 81 49 00-0035	EA	7,500 BTU Cooling, 8,500 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps	1,002.29	188.05
		Note: Includes indoor unit and wireless thermostat.		
23 81 49 00-0036	EA	9,000 BTU Cooling, 12,200 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps	1,058.61	199.80
		Note: Includes indoor unit and wireless thermostat.		
23 81 49 00-0037	EA	11,900 BTU Cooling, 14,300 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps	1,115.82	211.55
		Note: Includes indoor unit and wireless thermostat.		
23 81 49 00-0038	EA	17,500 BTU Cooling, 20,400 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps	1,267.30	223.30
		Note: Includes indoor unit and wireless thermostat.		
23 81 49 00-0039	EA	24,200 BTU Cooling, 29,000 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps	1,350.54	235.06
		Note: Includes indoor unit and wireless thermostat.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 49 00-0040	EA	19,700 BTU Cooling, 24,800 BTU Heating, 16.4 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes outdoor unit and refrigerant charge.	2,960.10	282.07
23 81 49 00-0041	EA	23,200 BTU Cooling, 29,200 BTU Heating, 16.5 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes outdoor unit and refrigerant charge.	3,503.64	305.57
23 81 49 00-0042	EA	30,600 BTU Cooling, 32,000 BTU Heating, 17.2 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes outdoor unit and refrigerant charge.	5,651.42	329.08
23 81 49 00-0043		Suspended Ceiling Mounted Ductless Split System Heat Pumps *(23 81 49 00-0025)* Note: Excludes hangers.		
23 81 49 00-0044	EA	24,400 BTU Cooling, 30,800 BTU Heating, 14.5 SEER, Ceiling Suspended Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,599.71	564.13
23 81 49 00-0045	EA	31,200 BTU Cooling, 37,400 BTU Heating, 15.1 SEER, Ceiling Suspended Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,797.63	673.43
23 81 49 00-0046	EA	39,000 BTU Cooling, 44,500 BTU Heating, 15.6 SEER, Ceiling Suspended Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	8,183.15	705.16
23 81 49 00-0047		Recessed Ceiling Mounted Ductless Split System Heat Pumps *(23 81 49 00-0025)* Note: Excludes hangers.		
23 81 49 00-0048	EA	11,900 BTU Cooling, 13,600 BTU Heating, 16 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,728.99	470.11
23 81 49 00-0049	EA	17,500 BTU Cooling, 20,400 BTU Heating, 16 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,227.15	517.12
23 81 49 00-0050	EA	24,800 BTU Cooling, 29,800 BTU Heating, 14.1 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,582.58	611.14
23 81 49 00-0051	EA	32,600 BTU Cooling, 37,600 BTU Heating, 14.6 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,438.54	673.43
23 81 49 00-0052	EA	39,500 BTU Cooling, 48,000 BTU Heating, 14.6 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	8,003.61	705.16
23 81 49 00-0053		Mitsubishi Ductless Split System Heat Pumps *(23 81 49 00-0001)* Note: Excludes electrical. See CSI section 23 81 26 13-0030 for accessories.		
23 81 49 00-0054		Mitsubishi Outdoor Condensing Heatpump Unit (P-Series) *(23 81 49 00-0053)*		
23 81 49 00-0055	EA	240 MBH Cooling, 270 MBH Heating, 460 Volt, 3 Phase, Heat Pump Condensing Unit (Mitsubishi PUHY-P240YSUMU-A) Note: Includes two PUHY-P120 & one CMY-Y100CBK3 Twinning Kit	44,195.69	1,234.03

23 82 Convection Heating and Cooling Units *(23 80)*

23 82 16 Air Coils *(23 82)*

23 82 16 11 Hydronic Air Coils *(23 82 16)*

23 82 16 11-0001		Chilled Water Cooling Coils *(23 82 16 11)* Note: Flanged construction, 16 gauge galvanized steel casing.		
23 82 16 11-0002		2 Row Chilled Water Cooling Coils *(23 82 16 11-0001)*		
23 82 16 11-0003	EA	12" x 12" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,025.90	58.55
23 82 16 11-0004	EA	12" x 24" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,374.80	79.63
23 82 16 11-0005	EA	24" x 30" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,530.38	125.30
23 82 16 11-0006	EA	24" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,452.32	179.16
23 82 16 11-0007	EA	30" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,766.07	220.16
23 82 16 11-0008	EA	30" x 60" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	6,439.39	266.99
23 82 16 11-0009	EA	30" x 72" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	6,883.23	309.15
23 82 16 11-0010	EA	30" x 84" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	7,428.92	546.16
23 82 16 11-0011	EA	34" x 32" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,654.62	207.63
23 82 16 11-0012	EA	34" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,941.57	353.53
23 82 16 11-0013	EA	34" x 60" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	6,640.37	439.14
23 82 16 11-0014	EA	34" x 72" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	7,254.03	530.36
23 82 16 11-0015	EA	34" x 84" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	7,906.63	617.59
23 82 16 11-0016	SF	>20 SF, Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	398.65	31.13
23 82 16 11-0017		4 Row Chilled Water Cooling Coils *(23 82 16 11-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 11-0018	EA	12" x 12" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,509.04	121.78
23 82 16 11-0019	EA	12" x 24" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,049.17	175.66
23 82 16 11-0020	EA	24" x 30" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,493.17	292.76
23 82 16 11-0021	EA	24" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	6,681.10	434.45
23 82 16 11-0022	EA	30" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	7,708.78	532.82
23 82 16 11-0023	EA	30" x 60" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	9,153.39	651.08
23 82 16 11-0024	EA	30" x 72" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	10,168.63	781.07
23 82 16 11-0025	EA	30" x 84" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	9,869.26	909.18
23 82 16 11-0026	EA	34" x 32" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	6,296.08	392.41
23 82 16 11-0027	EA	34" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	7,985.27	590.20
23 82 16 11-0028	EA	34" x 60" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	8,830.60	731.89
23 82 16 11-0029	EA	34" x 72" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	9,814.93	881.78
23 82 16 11-0030	EA	34" x 84" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	10,734.45	1,030.85
23 82 16 11-0031		**6 Row Chilled Water Cooling Coils** *(23 82 16 11-0001)*		
23 82 16 11-0032	EA	12" x 12" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,554.77	154.58
23 82 16 11-0033	EA	12" x 24" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,158.84	229.52
23 82 16 11-0034	EA	24" x 30" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,612.83	391.12
23 82 16 11-0035	EA	24" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	7,588.72	585.51
23 82 16 11-0036	EA	30" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	9,995.54	731.89
23 82 16 11-0037	EA	30" x 60" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	11,314.87	900.52
23 82 16 11-0038	EA	30" x 72" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	13,152.48	1,064.45
23 82 16 11-0039	EA	30" x 84" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	12,389.85	1,240.46
23 82 16 11-0040	EA	34" x 32" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	7,855.34	536.21
23 82 16 11-0041	EA	34" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	9,983.62	804.26
23 82 16 11-0042	EA	34" x 60" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	11,175.98	1,007.08
23 82 16 11-0043	EA	34" x 72" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	12,328.78	1,209.79
23 82 16 11-0044	EA	34" x 84" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	13,489.09	1,407.45
23 82 16 11-0045		**8 Row Chilled Water Cooling Coils** *(23 82 16 11-0001)*		
23 82 16 11-0046	EA	12" x 12" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,448.88	186.19
23 82 16 11-0047	EA	12" x 24" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,403.38	285.73
23 82 16 11-0048	EA	24" x 30" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	8,002.25	509.40
23 82 16 11-0049	EA	24" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	10,546.15	781.07
23 82 16 11-0050	EA	30" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	12,635.29	976.64
23 82 16 11-0051	EA	30" x 60" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	14,648.94	1,171.02
23 82 16 11-0052	EA	30" x 72" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	16,872.22	1,301.01
23 82 16 11-0053	EA	30" x 84" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	14,165.56	1,509.10
23 82 16 11-0054	EA	34" x 32" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	8,937.84	653.43
23 82 16 11-0055	EA	34" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	11,386.78	982.37
23 82 16 11-0056	EA	34" x 60" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	12,767.49	1,223.71
23 82 16 11-0057	EA	34" x 72" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	14,075.52	1,463.77
23 82 16 11-0058	EA	34" x 84" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	15,452.68	1,722.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 82 16 11-0059 Hot Water Heating Coils *(23 82 16 11)*

Note: Flanged construction.

23 82 16 11-0060 1 Row Hot Water Heating Coils *(23 82 16 11-0059)*

23 82 16 11-0061	EA	12" x 12" Hot Water Heating Coil, 1 Row Flanged Construction	1,568.16	158.09
		For 10 Fins Per Inch, Add	*25.03*	
		For 12 Fins Per Inch, Add	*62.58*	
		For 230 PSIG Heavy-Duty, Add	*345.28*	
23 82 16 11-0062	EA	12" x 24" Hot Water Heating Coil, 1 Row Flanged Construction	2,338.18	202.59
		For 10 Fins Per Inch, Add	*38.69*	
		For 12 Fins Per Inch, Add	*96.72*	
		For 230 PSIG Heavy-Duty, Add	*508.02*	
23 82 16 11-0063	EA	24" x 30" Hot Water Heating Coil, 1 Row Flanged Construction	2,833.37	278.71
		For 10 Fins Per Inch, Add	*45.51*	
		For 12 Fins Per Inch, Add	*113.79*	
		For 230 PSIG Heavy-Duty, Add	*622.44*	
23 82 16 11-0064	EA	24" x 48" Hot Water Heating Coil, 1 Row Flanged Construction	3,340.89	391.12
		For 10 Fins Per Inch, Add	*51.20*	
		For 12 Fins Per Inch, Add	*128.01*	
		For 230 PSIG Heavy-Duty, Add	*746.25*	
23 82 16 11-0065	EA	30" x 48" Hot Water Heating Coil, 1 Row Flanged Construction	3,781.49	468.41
		For 10 Fins Per Inch, Add	*56.89*	
		For 12 Fins Per Inch, Add	*142.23*	
		For 230 PSIG Heavy-Duty, Add	*849.98*	
23 82 16 11-0066	EA	30" x 60" Hot Water Heating Coil, 1 Row Flanged Construction	4,413.95	585.51
		For 10 Fins Per Inch, Add	*64.86*	
		For 12 Fins Per Inch, Add	*162.15*	
		For 230 PSIG Heavy-Duty, Add	*999.89*	
23 82 16 11-0067	EA	30" x 72" Hot Water Heating Coil, 1 Row Flanged Construction	4,942.32	649.92
		For 10 Fins Per Inch, Add	*72.82*	
		For 12 Fins Per Inch, Add	*182.06*	
		For 230 PSIG Heavy-Duty, Add	*1,118.58*	
23 82 16 11-0068	EA	30" x 84" Hot Water Heating Coil, 1 Row Flanged Construction	6,132.22	755.66
		For 10 Fins Per Inch, Add	*92.31*	
		For 12 Fins Per Inch, Add	*230.77*	
		For 230 PSIG Heavy-Duty, Add	*1,378.13*	
23 82 16 11-0069	EA	34" x 32" Hot Water Heating Coil, 1 Row Flanged Construction	2,647.62	327.42
		For 10 Fins Per Inch, Add	*39.85*	
		For 12 Fins Per Inch, Add	*99.63*	
		For 230 PSIG Heavy-Duty, Add	*595.02*	
23 82 16 11-0070	EA	34" x 48" Hot Water Heating Coil, 1 Row Flanged Construction	3,971.40	491.24
		For 10 Fins Per Inch, Add	*59.78*	
		For 12 Fins Per Inch, Add	*149.45*	
		For 230 PSIG Heavy-Duty, Add	*892.52*	
23 82 16 11-0071	EA	34" x 72" Hot Water Heating Coil, 1 Row Flanged Construction	5,969.59	743.01
		For 10 Fins Per Inch, Add	*89.67*	
		For 12 Fins Per Inch, Add	*224.18*	
		For 230 PSIG Heavy-Duty, Add	*1,342.52*	
23 82 16 11-0072	EA	34" x 84" Hot Water Heating Coil, 1 Row Flanged Construction	6,952.83	861.05
		For 10 Fins Per Inch, Add	*104.61*	
		For 12 Fins Per Inch, Add	*261.54*	
		For 230 PSIG Heavy-Duty, Add	*1,562.78*	
23 82 16 11-0073	SF	>15 SF Hot Water Heating Coil, 1 Row, Flanged Construction	315.71	43.33
		For 10 Fins Per Inch, Add	*4.58*	
		For 12 Fins Per Inch, Add	*11.45*	
		For 230 PSIG Heavy-Duty, Add	*71.81*	

23 82 16 11-0074 2 Row Hot Water Heating Coils *(23 82 16 11-0059)*

23 82 16 11-0075	EA	12" x 12" Hot Water Heating Coil, 2 Row Flanged Construction	2,552.29	195.56
		For 10 Fins Per Inch, Add	*43.24*	
		For 12 Fins Per Inch, Add	*108.10*	
		For 230 PSIG Heavy-Duty, Add	*549.49*	
23 82 16 11-0076	EA	12" x 24" Hot Water Heating Coil, 2 Row Flanged Construction	2,739.31	259.96
		For 10 Fins Per Inch, Add	*44.38*	
		For 12 Fins Per Inch, Add	*110.94*	
		For 230 PSIG Heavy-Duty, Add	*599.91*	
23 82 16 11-0077	EA	24" x 30" Hot Water Heating Coil, 2 Row Flanged Construction	3,682.25	391.12
		For 10 Fins Per Inch, Add	*58.03*	
		For 12 Fins Per Inch, Add	*145.08*	
		For 230 PSIG Heavy-Duty, Add	*814.52*	
23 82 16 11-0078	EA	24" x 48" Hot Water Heating Coil, 2 Row Flanged Construction	4,415.08	557.40
		For 10 Fins Per Inch, Add	*66.00*	
		For 12 Fins Per Inch, Add	*164.99*	
		For 230 PSIG Heavy-Duty, Add	*994.54*	
23 82 16 11-0079	EA	30" x 48" Hot Water Heating Coil, 2 Row Flanged Construction	5,075.75	688.56
		For 10 Fins Per Inch, Add	*73.96*	
		For 12 Fins Per Inch, Add	*184.90*	
		For 230 PSIG Heavy-Duty, Add	*1,152.92*	
23 82 16 11-0080	EA	30" x 60" Hot Water Heating Coil, 2 Row Flanged Construction	5,370.97	836.11
		For 10 Fins Per Inch, Add	*73.96*	
		For 12 Fins Per Inch, Add	*184.90*	
		For 230 PSIG Heavy-Duty, Add	*1,241.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 11-0081	EA	30" x 72" Hot Water Heating Coil, 2 Row Flanged Construction	6,048.03	976.64
		For 10 Fins Per Inch, Add	*81.93*	
		For 12 Fins Per Inch, Add	*204.82*	
		For 230 PSIG Heavy-Duty, Add	*1,404.78*	
23 82 16 11-0082	EA	30" x 84" Hot Water Heating Coil, 2 Row Flanged Construction	7,461.73	1,134.72
		For 10 Fins Per Inch, Add	*103.85*	
		For 12 Fins Per Inch, Add	*259.62*	
		For 230 PSIG Heavy-Duty, Add	*1,719.29*	
23 82 16 11-0083	EA	34" x 32" Hot Water Heating Coil, 2 Row Flanged Construction	3,220.85	489.61
		For 10 Fins Per Inch, Add	*44.83*	
		For 12 Fins Per Inch, Add	*112.09*	
		For 230 PSIG Heavy-Duty, Add	*742.08*	
23 82 16 11-0084	EA	34" x 48" Hot Water Heating Coil, 2 Row Flanged Construction	4,833.75	735.52
		For 10 Fins Per Inch, Add	*67.25*	
		For 12 Fins Per Inch, Add	*168.13*	
		For 230 PSIG Heavy-Duty, Add	*1,113.86*	
23 82 16 11-0085	EA	34" x 72" Hot Water Heating Coil, 2 Row Flanged Construction	7,261.76	1,108.95
		For 10 Fins Per Inch, Add	*100.88*	
		For 12 Fins Per Inch, Add	*252.20*	
		For 230 PSIG Heavy-Duty, Add	*1,674.14*	
23 82 16 11-0086	EA	34" x 84" Hot Water Heating Coil, 2 Row Flanged Construction	8,475.38	1,295.39
		For 10 Fins Per Inch, Add	*117.69*	
		For 12 Fins Per Inch, Add	*294.23*	
		For 230 PSIG Heavy-Duty, Add	*1,954.15*	
23 82 16 11-0087		**Hot Water Preheat Coils For Multi-Zone Air Handling Units** *(23 82 16 11)*		
		Note: 2 Row coils. Coils are sized by air handling unit capacity.		
23 82 16 11-0088	EA	3,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	2,077.23	148.72
23 82 16 11-0089	EA	4,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	2,668.92	147.55
23 82 16 11-0090	EA	5,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	3,280.65	158.09
23 82 16 11-0091	EA	6,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	3,814.92	172.14
23 82 16 11-0092	EA	7,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	3,830.81	180.34
23 82 16 11-0093	EA	9,200 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	4,644.76	189.71
23 82 16 11-0094	EA	11,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	4,806.63	213.13
23 82 16 11-0095	EA	13,200 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	5,313.90	238.89
23 82 16 11-0096	EA	16,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	5,976.11	285.73
23 82 16 11-0097	EA	19,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	6,517.44	299.78
23 82 16 11-0098	EA	22,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	8,370.49	317.34
23 82 16 11-0099	EA	27,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	10,653.10	434.45
23 82 16 11-0100	EA	34,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	13,387.69	532.82
23 82 16 11-0101	EA	40,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	15,613.01	557.40
23 82 16 11-0102	EA	47,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	18,340.73	649.92
23 82 16 12		**Steam Air Coils** *(23 82 16)*		
23 82 16 12-0001		**Steam Heating Coils** *(23 82 16 12)*		
		Note: Flanged construction.		
23 82 16 12-0002	EA	12" x 12" Steam Heating Coils, 1 Row Flanged Construction	2,474.72	110.08
		For 2 Row Coil, Add	*786.19*	
		For 4 Row Coil, Add	*2,073.89*	
23 82 16 12-0003	EA	12" x 24" Steam Heating Coils, 1 Row Flanged Construction	2,721.14	152.23
		For 2 Row Coil, Add	*877.17*	
		For 4 Row Coil, Add	*2,307.70*	
23 82 16 12-0004	EA	24" x 30" Steam Heating Coils, 1 Row Flanged Construction	3,525.60	272.84
		For 2 Row Coil, Add	*1,166.61*	
		For 4 Row Coil, Add	*3,054.68*	
23 82 16 12-0005	EA	24" x 48" Steam Heating Coils, 1 Row Flanged Construction	4,406.14	391.12
		For 2 Row Coil, Add	*1,477.98*	
		For 4 Row Coil, Add	*3,860.60*	
23 82 16 12-0006	EA	30" x 48" Steam Heating Coils, 1 Row Flanged Construction	4,884.55	468.41
		For 2 Row Coil, Add	*1,652.73*	
		For 4 Row Coil, Add	*4,310.47*	
23 82 16 12-0007	EA	30" x 60" Steam Heating Coils, 1 Row Flanged Construction	5,441.01	585.51
		For 2 Row Coil, Add	*1,866.51*	
		For 4 Row Coil, Add	*4,856.35*	
23 82 16 12-0008	EA	30" x 72" Steam Heating Coils, 1 Row Flanged Construction	5,973.96	649.92
		For 2 Row Coil, Add	*2,052.42*	
		For 4 Row Coil, Add	*5,338.66*	
23 82 16 12-0009	EA	30" x 84" Steam Heating Coils, 1 Row Flanged Construction	7,439.84	758.47
		For 2 Row Coil, Add	*2,535.32*	
		For 4 Row Coil, Add	*6,604.12*	
23 82 16 12-0010	EA	34" x 32" Steam Heating Coils, 1 Row Flanged Construction	3,212.17	327.42
		For 2 Row Coil, Add	*1,094.64*	
		For 4 Row Coil, Add	*2,851.36*	
23 82 16 12-0011	EA	34" x 48" Steam Heating Coils, 1 Row Flanged Construction	4,818.27	491.24
		For 2 Row Coil, Add	*1,641.96*	
		For 4 Row Coil, Add	*4,277.05*	
23 82 16 12-0012	EA	34" x 72" Steam Heating Coils, 1 Row Flanged Construction	7,224.90	735.52
		For 2 Row Coil, Add	*2,461.70*	
		For 4 Row Coil, Add	*6,412.51*	
23 82 16 12-0013	EA	34" x 84" Steam Heating Coils, 1 Row Flanged Construction	8,434.84	861.05
		For 2 Row Coil, Add	*2,874.87*	
		For 4 Row Coil, Add	*7,488.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 82 16 13 Refrigerant Air Coils *(23 82 16)*

23 82 16 13-0001 Direct Expansion Cooling Coils *(23 82 16 13)*

Note: Flanged construction 16 gauge galvanized steel casing.

23 82 16 13-0002 2 Row Direct Expansion Cooling Coils *(23 82 16 13-0001)*

23 82 16 13-0003	EA	12" x 12" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	1,943.40	87.83
		For 10 Fins Per Inch, Add	*35.35*	
		For 12 Fins Per Inch, Add	*88.37*	
23 82 16 13-0004	EA	12" x 24" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	3,776.06	120.61
		For 10 Fins Per Inch, Add	*70.69*	
		For 12 Fins Per Inch, Add	*176.73*	
23 82 16 13-0005	EA	24" x 30" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	5,189.72	189.71
		For 10 Fins Per Inch, Add	*96.24*	
		For 12 Fins Per Inch, Add	*240.60*	
23 82 16 13-0006	EA	24" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	6,231.53	272.84
		For 10 Fins Per Inch, Add	*113.74*	
		For 12 Fins Per Inch, Add	*284.34*	
23 82 16 13-0007	EA	30" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	7,230.93	333.74
		For 10 Fins Per Inch, Add	*131.24*	
		For 12 Fins Per Inch, Add	*328.09*	
23 82 16 13-0008	EA	30" x 60" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	8,069.30	404.00
		For 10 Fins Per Inch, Add	*145.23*	
		For 12 Fins Per Inch, Add	*363.09*	
23 82 16 13-0009	EA	30" x 72" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	9,248.41	468.41
		For 10 Fins Per Inch, Add	*166.23*	
		For 12 Fins Per Inch, Add	*415.58*	
23 82 16 13-0010	EA	30" x 84" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	11,627.70	546.16
		For 10 Fins Per Inch, Add	*210.71*	
		For 12 Fins Per Inch, Add	*526.77*	
23 82 16 13-0011	EA	34" x 32" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	4,465.64	207.63
		For 10 Fins Per Inch, Add	*81.01*	
		For 12 Fins Per Inch, Add	*202.52*	
23 82 16 13-0012	EA	34" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	5,708.20	353.53
		For 10 Fins Per Inch, Add	*100.02*	
		For 12 Fins Per Inch, Add	*250.05*	
23 82 16 13-0013	EA	34" x 72" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	6,977.95	530.36
		For 10 Fins Per Inch, Add	*118.34*	
		For 12 Fins Per Inch, Add	*295.86*	
23 82 16 13-0014	EA	34" x 84" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	7,609.05	617.59
		For 10 Fins Per Inch, Add	*127.48*	
		For 12 Fins Per Inch, Add	*318.69*	

23 82 16 13-0015 4 Row Direct Expansion Cooling Coils *(23 82 16 13-0001)*

23 82 16 13-0016	EA	12" x 12" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	3,244.89	121.78
		For 10 Fins Per Inch, Add	*60.02*	
		For 12 Fins Per Inch, Add	*150.05*	
23 82 16 13-0017	EA	12" x 24" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	4,636.58	175.66
		For 10 Fins Per Inch, Add	*85.74*	
		For 12 Fins Per Inch, Add	*214.35*	
23 82 16 13-0018	EA	24" x 30" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	6,272.38	292.76
		For 10 Fins Per Inch, Add	*113.74*	
		For 12 Fins Per Inch, Add	*284.34*	
23 82 16 13-0019	EA	24" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	7,604.18	434.45
		For 10 Fins Per Inch, Add	*134.74*	
		For 12 Fins Per Inch, Add	*336.84*	
23 82 16 13-0020	EA	30" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	8,763.72	532.82
		For 10 Fins Per Inch, Add	*153.98*	
		For 12 Fins Per Inch, Add	*384.96*	
23 82 16 13-0021	EA	30" x 60" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	10,400.14	651.08
		For 10 Fins Per Inch, Add	*181.98*	
		For 12 Fins Per Inch, Add	*454.95*	
23 82 16 13-0022	EA	30" x 72" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	11,535.26	781.07
		For 10 Fins Per Inch, Add	*199.48*	
		For 12 Fins Per Inch, Add	*498.70*	
23 82 16 13-0023	EA	30" x 84" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	11,147.55	909.18
		For 10 Fins Per Inch, Add	*186.58*	
		For 12 Fins Per Inch, Add	*466.46*	
23 82 16 13-0024	EA	34" x 32" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	7,171.13	392.41
		For 10 Fins Per Inch, Add	*127.73*	
		For 12 Fins Per Inch, Add	*319.31*	
23 82 16 13-0025	EA	34" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	9,065.71	590.20
		For 10 Fins Per Inch, Add	*157.70*	
		For 12 Fins Per Inch, Add	*394.26*	
23 82 16 13-0026	EA	34" x 72" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	13,566.64	1,038.12
		For 10 Fins Per Inch, Add	*229.81*	
		For 12 Fins Per Inch, Add	*574.52*	
23 82 16 13-0027	EA	34" x 84" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	15,515.60	1,209.79
		For 10 Fins Per Inch, Add	*261.92*	
		For 12 Fins Per Inch, Add	*654.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 13-0028		6 Row Direct Expansion Cooling Coils *(23 82 16 13-0001)*		
23 82 16 13-0029	EA	12" x 12" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	4,157.75	153.41
		For 10 Fins Per Inch, Add	*76.99*	
		For 12 Fins Per Inch, Add	*192.48*	
23 82 16 13-0030	EA	12" x 24" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	4,746.25	229.52
		For 10 Fins Per Inch, Add	*85.74*	
		For 12 Fins Per Inch, Add	*214.35*	
23 82 16 13-0031	EA	24" x 30" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	6,817.52	391.12
		For 10 Fins Per Inch, Add	*120.74*	
		For 12 Fins Per Inch, Add	*301.84*	
23 82 16 13-0032	EA	24" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	8,607.70	585.51
		For 10 Fins Per Inch, Add	*148.73*	
		For 12 Fins Per Inch, Add	*371.83*	
23 82 16 13-0033	EA	30" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	11,350.18	731.89
		For 10 Fins Per Inch, Add	*197.73*	
		For 12 Fins Per Inch, Add	*494.32*	
23 82 16 13-0034	EA	30" x 60" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	12,825.36	900.52
		For 10 Fins Per Inch, Add	*220.48*	
		For 12 Fins Per Inch, Add	*551.19*	
23 82 16 13-0035	EA	30" x 72" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	14,902.73	1,064.45
		For 10 Fins Per Inch, Add	*255.47*	
		For 12 Fins Per Inch, Add	*638.68*	
23 82 16 13-0036	EA	30" x 84" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	13,963.14	1,240.46
		For 10 Fins Per Inch, Add	*229.64*	
		For 12 Fins Per Inch, Add	*574.11*	
23 82 16 13-0037	EA	34" x 32" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	8,932.31	536.21
		For 10 Fins Per Inch, Add	*157.20*	
		For 12 Fins Per Inch, Add	*393.00*	
23 82 16 13-0038	EA	34" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	11,313.39	804.26
		For 10 Fins Per Inch, Add	*194.10*	
		For 12 Fins Per Inch, Add	*485.24*	
23 82 16 13-0039	EA	34" x 72" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	13,882.31	1,199.82
		For 10 Fins Per Inch, Add	*229.65*	
		For 12 Fins Per Inch, Add	*574.13*	
23 82 16 13-0040	EA	34" x 84" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	15,183.89	1,407.45
		For 10 Fins Per Inch, Add	*247.38*	
		For 12 Fins Per Inch, Add	*618.45*	
23 82 16 13-0041		8 Row Direct Expansion Cooling Coils *(23 82 16 13-0001)*		
23 82 16 13-0042	EA	12" x 12" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	5,183.72	185.03
		For 10 Fins Per Inch, Add	*96.24*	
		For 12 Fins Per Inch, Add	*240.60*	
23 82 16 13-0043	EA	12" x 24" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	6,170.61	285.73
		For 10 Fins Per Inch, Add	*111.99*	
		For 12 Fins Per Inch, Add	*279.97*	
23 82 16 13-0044	EA	24" x 30" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	9,111.14	509.40
		For 10 Fins Per Inch, Add	*161.86*	
		For 12 Fins Per Inch, Add	*404.64*	
23 82 16 13-0045	EA	24" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	11,972.72	781.07
		For 10 Fins Per Inch, Add	*208.23*	
		For 12 Fins Per Inch, Add	*520.57*	
23 82 16 13-0046	EA	30" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	14,331.59	976.64
		For 10 Fins Per Inch, Add	*247.60*	
		For 12 Fins Per Inch, Add	*618.99*	
23 82 16 13-0047	EA	30" x 60" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	16,602.98	1,171.02
		For 10 Fins Per Inch, Add	*285.22*	
		For 12 Fins Per Inch, Add	*713.05*	
23 82 16 13-0048	EA	30" x 72" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	19,137.95	1,301.01
		For 10 Fins Per Inch, Add	*330.71*	
		For 12 Fins Per Inch, Add	*826.78*	
23 82 16 13-0049	EA	30" x 84" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	15,935.51	1,509.10
		For 10 Fins Per Inch, Add	*258.35*	
		For 12 Fins Per Inch, Add	*645.87*	
23 82 16 13-0050	EA	34" x 32" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	10,149.44	653.43
		For 10 Fins Per Inch, Add	*176.85*	
		For 12 Fins Per Inch, Add	*442.13*	
23 82 16 13-0051	EA	34" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	12,882.77	982.37
		For 10 Fins Per Inch, Add	*218.36*	
		For 12 Fins Per Inch, Add	*545.90*	
23 82 16 13-0052	EA	34" x 72" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	15,875.13	1,478.53
		For 10 Fins Per Inch, Add	*258.36*	
		For 12 Fins Per Inch, Add	*645.90*	
23 82 16 13-0053	EA	34" x 84" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	17,359.35	1,722.10
		For 10 Fins Per Inch, Add	*278.30*	
		For 12 Fins Per Inch, Add	*695.76*	
23 82 16 14		**Electric-Resistance Air Coils** *(23 82 16)*		
23 82 16 14-0001		Standard Electric Slip-In Blast Coil Heater *(23 82 16 14)*		
23 82 16 14-0002		Electric Slip-In Blast Coil Heater With Open Coil Element *(23 82 16 14-0001)*		
23 82 16 14-0003	EA	1/2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	633.77	90.50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 14-0004	EA	1 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	648.84	97.55
23 82 16 14-0005	EA	2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	666.64	106.95
23 82 16 14-0006	EA	3 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	672.63	110.48
23 82 16 14-0007	EA	4 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	688.02	117.52
23 82 16 14-0008	EA	5 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	705.71	126.93
23 82 16 14-0009	EA	6 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	814.74	142.21
23 82 16 14-0010	EA	7 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	829.07	149.26
23 82 16 14-0011	EA	8 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	840.83	153.96
23 82 16 14-0012	EA	9 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	858.00	163.37
23 82 16 14-0013	EA	10 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	941.91	172.76
23 82 16 14-0014	EA	12-1/2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	975.37	189.21
23 82 16 14-0015	EA	15 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	1,008.63	205.68
23 82 16 14-0016	EA	20 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	1,044.37	222.13
23 82 16 14-0017	EA	30 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	1,468.48	310.27
23 82 16 14-0018	EA	40 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	2,714.09	330.25
23 82 16 14-0019	EA	50 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	2,976.77	378.44
23 82 16 14-0020	EA	60 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	3,528.69	419.57
23 82 16 14-0021	EA	70 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	3,695.68	456.01
23 82 16 14-0022	EA	80 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	4,049.15	500.66
23 82 16 14-0023	EA	90 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	5,007.36	534.75
23 82 16 14-0024	EA	100 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	5,506.50	574.71
23 82 16 14-0025	EA	125 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	6,717.80	620.54
23 82 16 14-0026	EA	150 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	7,576.07	674.60

23 82 16 14-0027 Electric Slip-In Blast Coil Heater With Finned Tubular Element *(23 82 16 14-0001)*

23 82 16 14-0028	EA	1 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,025.71	129.28
23 82 16 14-0029	EA	2 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,055.77	141.03
23 82 16 14-0030	EA	3 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,068.22	141.03
23 82 16 14-0031	EA	4 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,154.29	155.13
23 82 16 14-0032	EA	5 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,206.57	155.13
23 82 16 14-0033	EA	6 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,234.40	155.13
23 82 16 14-0034	EA	8 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,294.89	172.76
23 82 16 14-0035	EA	9 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,348.85	193.92
23 82 16 14-0036	EA	10 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,376.68	193.92
23 82 16 14-0037	EA	15 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,549.56	222.13
23 82 16 14-0038	EA	20 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,994.26	222.13
23 82 16 14-0039	EA	25 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	2,117.33	240.93
23 82 16 14-0040	EA	30 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	2,495.69	258.56
23 82 16 14-0041	EA	40 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	2,974.23	258.56
23 82 16 14-0042	EA	45 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	3,247.87	270.31
23 82 16 14-0043	EA	50 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	3,413.79	270.31

23 82 19 Fan Coil Units *(23 82)*

23 82 19 00-0001 Ceiling Suspended Horizontal Fan Coil Units *(23 82 19)*

Note: Includes cabinet, chilled water coil, baked enamel finish, multispeed fan and fan switch with integral and/or remote thermostat to control valves and on/off and fan speeds. Excludes supports.

23 82 19 00-0002 Horizontal Fan Coil Units With Electric Heating Coil *(23 82 19 00-0001)*

23 82 19 00-0003	EA	200 CFM, 6 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	2,819.32	189.71
		For 2-Way Valve Instead Of 3-Way, Deduct	*-53.89*	
23 82 19 00-0004	EA	300 CFM, 9 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	3,201.94	221.33
		For 2-Way Valve Instead Of 3-Way, Deduct	*-57.10*	
23 82 19 00-0005	EA	400 CFM, 12 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	3,810.37	249.43
		For 2-Way Valve Instead Of 3-Way, Deduct	*-59.92*	
23 82 19 00-0006	EA	600 CFM, 18 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	4,380.10	285.73
		For 2-Way Valve Instead Of 3-Way, Deduct	*-63.56*	
23 82 19 00-0007	EA	800 CFM, 24 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	4,961.37	299.78
		For 2-Way Valve Instead Of 3-Way, Deduct	*-110.04*	
23 82 19 00-0008	EA	1,000 CFM, 30 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	6,429.07	317.34
		For 2-Way Valve Instead Of 3-Way, Deduct	*-112.47*	
23 82 19 00-0009	EA	1,200 CFM, 36 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	7,588.93	344.28
		For 2-Way Valve Instead Of 3-Way, Deduct	*-116.66*	

23 82 19 00-0010 Horizontal Fan Coil Units With Hot Water Heating Coil *(23 82 19 00-0001)*

23 82 19 00-0011	EA	200 CFM, 6 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	4,177.09	189.71
		For 2-Way Valve Instead Of 3-Way, Deduct	*-53.89*	
23 82 19 00-0012	EA	300 CFM, 9 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	4,697.16	221.33
		For 2-Way Valve Instead Of 3-Way, Deduct	*-57.10*	
23 82 19 00-0013	EA	400 CFM, 12 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	5,817.38	249.43
		For 2-Way Valve Instead Of 3-Way, Deduct	*-59.92*	
23 82 19 00-0014	EA	600 CFM, 18 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	6,283.32	285.73
		For 2-Way Valve Instead Of 3-Way, Deduct	*-63.56*	
23 82 19 00-0015	EA	800 CFM, 24 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	6,705.65	300.96
		For 2-Way Valve Instead Of 3-Way, Deduct	*-110.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 19 00-0016	EA	1,000 CFM, 30 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	8,991.19	317.34
		For 2-Way Valve Instead Of 3-Way, Deduct	*-112.47*	
23 82 19 00-0017	EA	1,200 CFM, 36 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	10,567.17	344.28
		For 2-Way Valve Instead Of 3-Way, Deduct	*-116.66*	
23 82 19 00-0018	EA	1,400 CFM, 42 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	11,275.31	357.16
		For 2-Way Valve Instead Of 3-Way, Deduct	*-118.57*	
23 82 19 00-0019	EA	1,600 CFM, 48 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	12,607.52	371.80
		For 2-Way Valve Instead Of 3-Way, Deduct	*-120.77*	
23 82 19 00-0020	EA	1,800 CFM, 54 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	13,572.15	386.44
		For 2-Way Valve Instead Of 3-Way, Deduct	*-122.97*	

23 82 19 00-0021 Floor Mounted Vertical Fan Coil Units *(23 82 19)*

Note: Includes cabinet, chilled water coil, baked enamel finish, multispeed fan and fan switch with integral and/or remote thermostat to control valves and on/off and fan speeds.

23 82 19 00-0022 Vertical Fan Coil Units With Electric Heating Coil *(23 82 19 00-0021)*

23 82 19 00-0023	EA	200 CFM, 6 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	2,713.17	188.53
		For Fan Coil Units Without Cabinet, Deduct	*-369.20*	
		For Thru-Wall Sleeve, Add	*130.55*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-53.89*	
23 82 19 00-0024	EA	300 CFM, 9 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	3,095.78	221.33
		For Fan Coil Units Without Cabinet, Deduct	*-420.18*	
		For Thru-Wall Sleeve, Add	*143.38*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-57.10*	
23 82 19 00-0025	EA	400 CFM, 12 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	3,682.97	249.43
		For Fan Coil Units Without Cabinet, Deduct	*-502.61*	
		For Thru-Wall Sleeve, Add	*154.66*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-59.92*	
23 82 19 00-0026	EA	600 CFM, 18 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	4,233.59	285.73
		For Fan Coil Units Without Cabinet, Deduct	*-577.92*	
		For Thru-Wall Sleeve, Add	*169.25*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-63.56*	
23 82 19 00-0027	EA	800 CFM, 24 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	4,793.65	300.96
		For Fan Coil Units Without Cabinet, Deduct	*-659.00*	
		For Thru-Wall Sleeve, Add	*175.10*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-110.04*	
23 82 19 00-0028	EA	1,000 CFM, 30 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	6,206.13	317.34
		For Fan Coil Units Without Cabinet, Deduct	*-867.62*	
		For Thru-Wall Sleeve, Add	*181.60*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-112.47*	
23 82 19 00-0029	EA	1,200 CFM, 36 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	7,323.54	344.28
		For Fan Coil Units Without Cabinet, Deduct	*-1,029.65*	
		For Thru-Wall Sleeve, Add	*192.77*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-116.66*	

23 82 19 00-0030 Vertical Fan Coil Units With Hot Water Heating Coil *(23 82 19 00-0021)*

23 82 19 00-0031	EA	200 CFM, 6 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	4,011.75	188.53
		For Fan Coil Units Without Cabinet, Deduct	*-563.99*	
		For Thru-Wall Sleeve, Add	*130.55*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-53.89*	
23 82 19 00-0032	EA	300 CFM, 9 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	4,511.98	221.33
		For Fan Coil Units Without Cabinet, Deduct	*-632.61*	
		For Thru-Wall Sleeve, Add	*143.38*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-57.10*	
23 82 19 00-0033	EA	400 CFM, 12 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	5,585.91	249.43
		For Fan Coil Units Without Cabinet, Deduct	*-788.06*	
		For Thru-Wall Sleeve, Add	*154.66*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-59.92*	
23 82 19 00-0034	EA	600 CFM, 18 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	6,385.63	285.73
		For Fan Coil Units Without Cabinet, Deduct	*-900.72*	
		For Thru-Wall Sleeve, Add	*169.25*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-63.56*	
23 82 19 00-0035	EA	800 CFM, 24 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	7,141.73	300.96
		For Fan Coil Units Without Cabinet, Deduct	*-1,011.21*	
		For Thru-Wall Sleeve, Add	*175.10*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-110.04*	
23 82 19 00-0036	EA	1,000 CFM, 30 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	8,627.79	317.34
		For Fan Coil Units Without Cabinet, Deduct	*-1,230.87*	
		For Thru-Wall Sleeve, Add	*181.60*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-112.47*	
23 82 19 00-0037	EA	1,200 CFM, 36 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	10,137.24	344.28
		For Fan Coil Units Without Cabinet, Deduct	*-1,451.70*	
		For Thru-Wall Sleeve, Add	*192.77*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-116.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 19 00-0038	EA	1,400 CFM, 42 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	11,125.01	357.16
		For Fan Coil Units Without Cabinet, Deduct	*-1,597.32*	
		For Thru-Wall Sleeve, Add	*197.87*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-118.57*	
23 82 19 00-0039	EA	1,600 CFM, 48 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	12,306.92	371.80
		For Fan Coil Units Without Cabinet, Deduct	*-1,771.68*	
		For Thru-Wall Sleeve, Add	*203.72*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-120.77*	
23 82 19 00-0040	EA	1,800 CFM, 54 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	13,133.91	371.80
		For Fan Coil Units Without Cabinet, Deduct	*-1,892.80*	
		For Thru-Wall Sleeve, Add	*209.58*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-122.97*	

23 82 19 00-0041 Removal And Reinstallation Of Fan Coil Units *(23 82 19)*

Note: Includes storage and cleaning. Excludes supports.

23 82 19 00-0042	EA	Removal And Reinstallation Of Fan Coil Unit Horizontal Or Vertical	497.89	

23 82 19 00-0043 Fan Coil Units *(23 82 19)*

Note: Excludes supports.

23 82 19 00-0044	EA	Fan Coil (IEC HXY 06)	6,211.36	
23 82 19 00-0045	EA	Fan Coil (IEC HXY 08)	6,683.08	
23 82 19 00-0046	EA	Fan Coil (IEC HXY 10)	6,715.51	
23 82 19 00-0047	EA	Fan Coil (IEC VEY 18)	7,259.31	

23 82 19 00-0048 Fan Coil Units (Carrier) *(23 82 19)*

Note: Provide Pre-Manufactured Or Field Fabricated Filter Rack With 2" Merv 13, Pleated Throwaway Filters. Disconnect Switch Provided By Division 26 Contractor. Suspend Unit From Structure In Horizontal Position With All -Thread Rod And Spring Vibration Isolation (2" Minimum Deflection). Provide Necessary Mounting Bracket And Accessories For Specified Mounting. Provide Auxiliary Drain Pan With Auxiliary Drain Provided By Plumbing Contractor. Provide Unit With Space Temperature Control Devices Consistent With The Following Control Methods: Thermostat Or Room Controller For Local Override Of Centralized Controller With Integral Temperature Sensor. Temperature Sensor Without Local Override. Thermostat Or Room Controller For Local Override Of Centralized Controller With Remote Temperature Sensor. Fan Coil Unit With Integral Temperature Sensor In Return Airstream Without Local Override (Factory Default Setting).

23 82 19 00-0049	EA	450 To 500 CFM, 12.1 To 14.2 MBH Cooling, Deck Mount, Fan Coil Unit (Carrier MMD-AP0184BH2UL-1)	2,122.97	249.43
23 82 19 00-0050	EA	1,200 CFM, 33.3 To 39.5 MBH Cooling, Floor Mount, Fan Coil Unit (Carrier MMD-AP0360VHG2UL)	3,683.51	344.28
		For Filter Box With 2" MERV 8 Filter (Carrier TCB-FB2F361VDGUL), Add	*301.26*	
23 82 19 00-0051	EA	150 To 230 CFM, 3.9 To 7.5 MBH Cooling, Wall Mount, Fan Coil Unit (Carrier MMK-AP0073H2UL)	1,145.25	189.71
		For Filter Boxes For Toshiba (Carrier) High Static, Medium Static, OSA Units, and Slim Duct (Carrier FS-SPBH202), Add	*496.72*	
23 82 19 00-0052	EA	470 CFM, 15.8 MBH Cooling, Wall Mount, Fan Coil Unit (Carrier MMK-AP0183H2UL)	1,325.96	221.33
		For Filter Boxes For Toshiba (Carrier) High Static, Medium Static, OSA Units, and Slim Duct (Carrier FS-SPBH202), Add	*496.72*	
23 82 19 00-0053	EA	Single Port Flow Selector (Carrier RBM-Y0963FUL)	1,284.52	275.54
23 82 19 00-0054	EA	Multiport Flow Selector 4-Branch Unit (Carrier RBM-Y0611F4PUL)	3,926.92	360.32
23 82 19 00-0055	EA	Y-Branch For Heat Recovery, 61-135k BTU (Carrier RBM-BY105FUL)	203.91	40.98
23 82 19 00-0056	EA	Y-Branch For Heat Recovery, 136-238k BTU (Carrier RBM-BY205FUL)	279.70	43.91
23 82 19 00-0057	EA	12 MBH, Ductless Variable Flow (VRF), Wall Mounted, Indoor Heat Pump (Carrier MMK-AP0123H2UL)	1,099.93	189.71
23 82 19 00-0058	EA	Single Port Flow Selector (Carrier RBM-Y0383FUL)	3,218.10	275.54
23 82 19 00-0059	EA	Outdoor Heat Recovery Connection (Carrier RBM-BT14FUL)	442.24	40.98

23 82 29 Radiators *(23 82)*

23 82 29 00-0001 Demolish Cast Iron Radiators *(23 82 29)*

23 82 29 00-0002	LF	Demolish Cast Iron Radiator	35.12	
23 82 29 00-0003	EA	Cap Radiator	57.37	

23 82 29 00-0004 Cast Iron Radiator *(23 82 29)*

23 82 29 00-0005	EA	19" High Cast Iron Radiator Section, Free Standing	59.62	
		For Wall Support Bracket, Add	*28.91*	
23 82 29 00-0006	EA	25" High Cast Iron Radiator Section, Free Standing	85.59	
		For Wall Support Bracket, Add	*30.43*	
23 82 29 00-0007	EA	30" High Cast Iron Radiator Section, Free Standing	99.95	
23 82 29 00-0008	EA	36" High Cast Iron Radiator Section, Free Standing	126.54	
23 82 29 00-0009	EA	20" High Cast Iron Radiator Section, Recessed With Grille	82.02	

23 82 29 00-0010 Radiator Covers *(23 82 29)*

Note: Includes field cutouts, vent grilles, and insulation backing. To calculate quantity, measure the surface area of front, top and sides.

23 82 29 00-0011	SF	14 Gauge Stainless Steel Radiator Cover	136.81	6.38
23 82 29 00-0012	SF	Primed And Painted, Galvanized Steel Radiator Cover	85.12	6.38

23 82 29 00-0013 Radiator Shields *(23 82 29)*

23 82 29 00-0014	SF	Stainless Steel Radiator Shield	58.46	6.38
23 82 29 00-0015	SF	Primed And Painted, Galvanized Steel Radiator Shield	49.90	6.38

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 29 00-0016		Removal And Reinstallation Of Radiator *(23 82 29)* Note: Includes storage and cleaning.		
23 82 29 00-0017	LF	Removal And Reinstallation Of Cast Iron Radiator	87.83	
23 82 29 00-0018	LF	Removal And Reinstallation Of Electric Radiator	58.55	
23 82 33		**Convectors** *(23 82)*		
23 82 33 00-0001		Multi-Fin Convectors For Two-Pipe System *(23 82 33)* Note: Complete with 6-1/4" deep cabinet enclosure.		
23 82 33 00-0002		20" High Multi-Fin Convectors For Two-Pipe System *(23 82 33 00-0001)*		
23 82 33 00-0003	EA	20" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	585.34	128.81
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*64.55*	
		For Snap-On Inlet Grille, Add	*49.03*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*136.56*	
23 82 33 00-0004	EA	20" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	689.79	140.53
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*69.87*	
		For Snap-On Inlet Grille, Add	*52.58*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*166.91*	
23 82 33 00-0005	EA	20" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	793.63	166.28
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*81.52*	
		For Snap-On Inlet Grille, Add	*60.34*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*189.67*	
23 82 33 00-0006	EA	20" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	950.36	193.21
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*93.82*	
		For Snap-On Inlet Grille, Add	*68.55*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*230.17*	
23 82 33 00-0007	EA	20" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,133.29	231.86
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*111.37*	
		For Snap-On Inlet Grille, Add	*80.25*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*273.72*	
23 82 33 00-0008	EA	20" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,275.02	255.05
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*121.90*	
		For Snap-On Inlet Grille, Add	*87.27*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*311.04*	
23 82 33 00-0009	EA	20" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,481.36	309.15
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*146.48*	
		For Snap-On Inlet Grille, Add	*103.65*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*354.59*	
23 82 33 00-0010	EA	20" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,617.29	328.47
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*155.26*	
		For Snap-On Inlet Grille, Add	*109.51*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*391.91*	
23 82 33 00-0011	EA	20" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,764.66	367.12
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*172.81*	
		For Snap-On Inlet Grille, Add	*121.21*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*423.02*	
23 82 33 00-0012	EA	20" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,947.68	405.76
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*190.39*	
		For Snap-On Inlet Grille, Add	*132.93*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*466.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0013	EA	20" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,095.06	444.40
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*207.95*	
		For Snap-On Inlet Grille, Add	*144.63*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*497.67*	
23 82 33 00-0014		26" High Multi-Fin Convectors For Two-Pipe System *(23 82 33 00-0001)*		
23 82 33 00-0015	EA	26" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	687.66	169.44
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*82.24*	
		For Snap-On Inlet Grille, Add	*60.83*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*151.74*	
23 82 33 00-0016	EA	26" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	807.46	196.85
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*94.53*	
		For Snap-On Inlet Grille, Add	*69.02*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*179.32*	
23 82 33 00-0017	EA	26" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	977.04	231.16
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*109.94*	
		For Snap-On Inlet Grille, Add	*79.29*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*220.71*	
23 82 33 00-0018	EA	26" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,145.49	257.75
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*121.87*	
		For Snap-On Inlet Grille, Add	*87.24*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*265.74*	
23 82 33 00-0019	EA	26" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,337.27	289.83
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*136.31*	
		For Snap-On Inlet Grille, Add	*96.87*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*316.02*	
23 82 33 00-0020	EA	26" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,496.72	313.95
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*147.20*	
		For Snap-On Inlet Grille, Add	*104.13*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*359.12*	
23 82 33 00-0021	EA	26" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,706.87	357.74
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*167.15*	
		For Snap-On Inlet Grille, Add	*117.43*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*409.40*	
23 82 33 00-0022	EA	26" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,862.38	379.65
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*176.87*	
		For Snap-On Inlet Grille, Add	*123.91*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*452.49*	
23 82 33 00-0023	EA	26" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,015.67	413.95
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*192.07*	
		For Snap-On Inlet Grille, Add	*134.05*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*488.40*	
23 82 33 00-0024	EA	26" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,210.53	447.57
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*207.44*	
		For Snap-On Inlet Grille, Add	*144.29*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*538.67*	
23 82 33 00-0025	EA	26" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,359.22	478.37
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*221.26*	
		For Snap-On Inlet Grille, Add	*153.51*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*574.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0026		32" High Multi-Fin Convectors For Two-Pipe System *(23 82 33 00-0001)*		
23 82 33 00-0027	EA	32" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	788.99	206.10
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*99.63*	
		For Snap-On Inlet Grille, Add	*72.42*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*166.91*	
23 82 33 00-0028	EA	32" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	941.34	249.43
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*119.33*	
		For Snap-On Inlet Grille, Add	*85.55*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*197.26*	
23 82 33 00-0029	EA	32" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,135.20	291.59
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*138.47*	
		For Snap-On Inlet Grille, Add	*98.31*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*242.77*	
23 82 33 00-0030	EA	32" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,315.28	316.88
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*150.03*	
		For Snap-On Inlet Grille, Add	*106.02*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*292.32*	
23 82 33 00-0031	EA	32" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,511.53	342.40
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*161.50*	
		For Snap-On Inlet Grille, Add	*113.67*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*347.62*	
23 82 33 00-0032	EA	32" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,684.68	367.12
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*172.81*	
		For Snap-On Inlet Grille, Add	*121.21*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*395.02*	
23 82 33 00-0033	EA	32" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,889.77	398.03
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*186.94*	
		For Snap-On Inlet Grille, Add	*130.62*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*450.33*	
23 82 33 00-0034	EA	32" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,064.10	423.55
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*198.60*	
		For Snap-On Inlet Grille, Add	*138.40*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*497.73*	
23 82 33 00-0035	EA	32" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,219.12	452.13
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*211.25*	
		For Snap-On Inlet Grille, Add	*146.83*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*537.23*	
23 82 33 00-0036	EA	32" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,419.22	479.18
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*223.88*	
		For Snap-On Inlet Grille, Add	*155.25*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*592.54*	
23 82 33 00-0037	EA	32" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,566.63	502.37
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*234.24*	
		For Snap-On Inlet Grille, Add	*162.16*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*632.04*	
23 82 33 00-0038		Electric Convectors, Floor Standing Units *(23 82 33)*		
23 82 33 00-0039		4" Deep Electric Convectors *(23 82 33 00-0038)*		
23 82 33 00-0040	EA	38" Long x 14" High x 4" Deep Electric Convectors, Floor Standing Units	648.04	126.11

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0041	EA	50" Long x 14" High x 4" Deep Electric Convectors, Floor Standing Units	717.12	126.11
23 82 33 00-0042		**6" Deep Electric Convectors** *(23 82 33 00-0038)*		
23 82 33 00-0043	EA	38" Long x 14" High x 6" Deep Electric Convectors, Floor Standing Units	749.00	126.11
23 82 33 00-0044	EA	50" Long x 14" High x 6" Deep Electric Convectors, Floor Standing Units	855.27	126.11
23 82 33 00-0045	EA	62" Long x 20" High x 6" Deep Electric Convectors, Floor Standing Units	948.26	126.11
23 82 33 00-0046	EA	74" Long x 20" High x 6" Deep Electric Convectors, Floor Standing Units	1,094.39	126.11
23 82 36		**Finned-Tube Radiation Heaters** *(23 82)*		
23 82 36 00-0001		Finned Tube Baseboard Units *(23 82 36)*		
		Note: Complete with steel enclosure. Single heating element.		
23 82 36 00-0002		3/4" IPS Steel Tube With Steel Fins *(23 82 36 00-0001)*		
23 82 36 00-0003	EA	4' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	372.67	45.67
		For 90 Degree Corner, Add	*54.19*	
		For Valve Enclosure, Add	*54.19*	
		For Filler Piece, Add	*47.19*	
		For End Cap, Add	*36.72*	
		For Copper Tube With Aluminum Fins, Add	*8.35*	
23 82 36 00-0004	EA	6' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	493.74	69.09
		For 90 Degree Corner, Add	*63.23*	
		For Valve Enclosure, Add	*63.23*	
		For Filler Piece, Add	*56.23*	
		For End Cap, Add	*42.60*	
		For Copper Tube With Aluminum Fins, Add	*12.52*	
23 82 36 00-0005	EA	8' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	596.22	91.34
		For 90 Degree Corner, Add	*68.55*	
		For Valve Enclosure, Add	*68.55*	
		For Filler Piece, Add	*61.55*	
		For End Cap, Add	*46.06*	
		For Copper Tube With Aluminum Fins, Add	*16.69*	
23 82 36 00-0006	EA	10' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	742.68	127.88
		For 90 Degree Corner, Add	*83.07*	
		For Valve Enclosure, Add	*83.07*	
		For Filler Piece, Add	*76.07*	
		For End Cap, Add	*55.50*	
		For Copper Tube With Aluminum Fins, Add	*20.75*	
23 82 36 00-0007	EA	12' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	888.32	153.64
		For 90 Degree Corner, Add	*97.82*	
		For Valve Enclosure, Add	*97.82*	
		For Filler Piece, Add	*90.82*	
		For End Cap, Add	*65.09*	
		For Copper Tube With Aluminum Fins, Add	*24.71*	
23 82 36 00-0008	EA	14' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	1,007.45	163.94
		For 90 Degree Corner, Add	*103.68*	
		For Valve Enclosure, Add	*103.68*	
		For Filler Piece, Add	*96.68*	
		For End Cap, Add	*68.89*	
		For Copper Tube With Aluminum Fins, Add	*29.65*	
23 82 36 00-0009	EA	16' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	1,110.55	181.16
		For 90 Degree Corner, Add	*113.52*	
		For Valve Enclosure, Add	*113.52*	
		For Filler Piece, Add	*106.52*	
		For End Cap, Add	*75.29*	
		For Copper Tube With Aluminum Fins, Add	*32.61*	
23 82 36 00-0010	EA	18' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	1,268.30	204.93
		For 90 Degree Corner, Add	*127.10*	
		For Valve Enclosure, Add	*127.10*	
		For Filler Piece, Add	*120.10*	
		For End Cap, Add	*84.12*	
		For Copper Tube With Aluminum Fins, Add	*37.55*	
23 82 36 00-0011	EA	20' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	1,398.78	225.42
		For 90 Degree Corner, Add	*138.82*	
		For Valve Enclosure, Add	*138.82*	
		For Filler Piece, Add	*131.82*	
		For End Cap, Add	*91.74*	
		For Copper Tube With Aluminum Fins, Add	*41.51*	
23 82 36 00-0012		1" IPS Steel Tube With Steel Fins *(23 82 36 00-0001)*		
23 82 36 00-0013	EA	4' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	437.70	45.67
		For 90 Degree Corner, Add	*54.19*	
		For Valve Enclosure, Add	*54.19*	
		For Filler Piece, Add	*47.19*	
		For End Cap, Add	*36.72*	
		For Copper Tube With Aluminum Fins, Add	*11.92*	
23 82 36 00-0014	EA	6' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	591.29	69.09
		For 90 Degree Corner, Add	*63.23*	
		For Valve Enclosure, Add	*63.23*	
		For Filler Piece, Add	*56.23*	
		For End Cap, Add	*42.60*	
		For Copper Tube With Aluminum Fins, Add	*17.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 36 00-0015	EA	8' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	726.29	91.34
		For 90 Degree Corner, Add	*68.55*	
		For Valve Enclosure, Add	*68.55*	
		For Filler Piece, Add	*61.55*	
		For End Cap, Add	*46.06*	
		For Copper Tube With Aluminum Fins, Add	*23.84*	
23 82 36 00-0016	EA	10' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	904.54	127.88
		For 90 Degree Corner, Add	*83.10*	
		For Valve Enclosure, Add	*83.10*	
		For Filler Piece, Add	*76.10*	
		For End Cap, Add	*55.51*	
		For Copper Tube With Aluminum Fins, Add	*29.65*	
23 82 36 00-0017	EA	12' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,080.64	153.64
		For 90 Degree Corner, Add	*97.78*	
		For Valve Enclosure, Add	*97.78*	
		For Filler Piece, Add	*90.78*	
		For End Cap, Add	*65.06*	
		For Copper Tube With Aluminum Fins, Add	*35.30*	
23 82 36 00-0018	EA	14' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,238.49	163.94
		For 90 Degree Corner, Add	*103.68*	
		For Valve Enclosure, Add	*103.68*	
		For Filler Piece, Add	*96.68*	
		For End Cap, Add	*68.89*	
		For Copper Tube With Aluminum Fins, Add	*42.35*	
23 82 36 00-0019	EA	16' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,364.32	181.16
		For 90 Degree Corner, Add	*113.45*	
		For Valve Enclosure, Add	*113.45*	
		For Filler Piece, Add	*106.45*	
		For End Cap, Add	*75.24*	
		For Copper Tube With Aluminum Fins, Add	*46.59*	
23 82 36 00-0020	EA	18' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,560.94	204.93
		For 90 Degree Corner, Add	*127.10*	
		For Valve Enclosure, Add	*127.10*	
		For Filler Piece, Add	*120.10*	
		For End Cap, Add	*84.12*	
		For Copper Tube With Aluminum Fins, Add	*53.65*	
23 82 36 00-0021	EA	20' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,721.53	225.42
		For 90 Degree Corner, Add	*138.68*	
		For Valve Enclosure, Add	*138.68*	
		For Filler Piece, Add	*131.68*	
		For End Cap, Add	*91.64*	
		For Copper Tube With Aluminum Fins, Add	*59.30*	
23 82 36 00-0022		1-1/4" IPS Steel Tube With Steel Fins *(23 82 36 00-0001)*		
23 82 36 00-0023	EA	4' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	502.73	45.67
		For 90 Degree Corner, Add	*54.19*	
		For Valve Enclosure, Add	*54.19*	
		For Filler Piece, Add	*47.19*	
		For End Cap, Add	*36.72*	
		For Copper Tube With Aluminum Fins, Add	*15.50*	
23 82 36 00-0024	EA	6' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	688.84	69.09
		For 90 Degree Corner, Add	*63.23*	
		For Valve Enclosure, Add	*63.23*	
		For Filler Piece, Add	*56.23*	
		For End Cap, Add	*42.60*	
		For Copper Tube With Aluminum Fins, Add	*23.25*	
23 82 36 00-0025	EA	8' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	856.34	91.34
		For 90 Degree Corner, Add	*68.55*	
		For Valve Enclosure, Add	*68.55*	
		For Filler Piece, Add	*61.55*	
		For End Cap, Add	*46.06*	
		For Copper Tube With Aluminum Fins, Add	*31.00*	
23 82 36 00-0026	EA	10' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	1,066.26	127.88
		For 90 Degree Corner, Add	*83.10*	
		For Valve Enclosure, Add	*83.10*	
		For Filler Piece, Add	*76.10*	
		For End Cap, Add	*55.51*	
		For Copper Tube With Aluminum Fins, Add	*38.54*	
23 82 36 00-0027	EA	12' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	1,273.16	153.64
		For 90 Degree Corner, Add	*97.78*	
		For Valve Enclosure, Add	*97.78*	
		For Filler Piece, Add	*90.78*	
		For End Cap, Add	*65.06*	
		For Copper Tube With Aluminum Fins, Add	*45.88*	
23 82 36 00-0028	EA	14' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	1,469.51	163.94
		For 90 Degree Corner, Add	*103.68*	
		For Valve Enclosure, Add	*103.68*	
		For Filler Piece, Add	*96.68*	
		For End Cap, Add	*68.89*	
		For Copper Tube With Aluminum Fins, Add	*55.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 36 00-0029	EA	16' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	1,618.44	181.16
		For 90 Degree Corner, Add	*113.45*	
		For Valve Enclosure, Add	*113.45*	
		For Filler Piece, Add	*106.45*	
		For End Cap, Add	*75.24*	
		For Copper Tube With Aluminum Fins, Add	*60.57*	
23 82 36 00-0030	EA	18' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	1,853.57	204.93
		For 90 Degree Corner, Add	*127.10*	
		For Valve Enclosure, Add	*127.10*	
		For Filler Piece, Add	*120.10*	
		For End Cap, Add	*84.12*	
		For Copper Tube With Aluminum Fins, Add	*69.74*	
23 82 36 00-0031	EA	20' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	2,044.96	225.42
		For 90 Degree Corner, Add	*138.68*	
		For Valve Enclosure, Add	*138.68*	
		For Filler Piece, Add	*131.68*	
		For End Cap, Add	*91.64*	
		For Copper Tube With Aluminum Fins, Add	*77.08*	

23 82 36 00-0032 Electric Baseboard Heating *(23 82 36)*

Note: Includes 24 gauge steel enclosure and heating element

23 82 36 00-0033 Electric Wall Heating 10" Enclosure *(23 82 36 00-0032)*

23 82 36 00-0034	LF	Electric Wall Heating, 10" Enclosure, Low Capacity Electric Unit, Element <250 Watts/FT	150.51	70.06
23 82 36 00-0035	LF	Electric Wall Heating, 10" Enclosure, Low Capacity Electric Unit, Element >= 250 Watts/FT	153.70	70.06

23 82 36 00-0036 Electric Wall Heating 16" Enclosure *(23 82 36 00-0032)*

23 82 36 00-0037	LF	Electric Wall Heating, 16" Enclosure, Low Capacity Electric Unit, Element <350 Watts/FT	182.39	70.06
23 82 36 00-0038	LF	Electric Wall Heating, 16" Enclosure, Low Capacity Electric Unit, Element >= 350 Watts/FT	190.36	70.06

23 82 39 Unit Heaters *(23 82)*

23 82 39 13 Cabinet Unit Heaters *(23 82 39)*

23 82 39 13-0001 Electric Cabinet Unit Heaters *(23 82 39 13)*

Note: Can be mounted on the ceiling, floor or wall. Includes built-in thermostat. 208, 240/208, 277, or 480 Volt.

23 82 39 13-0002 Electric Cabinet Unit Heaters, 35" Cabinet Length *(23 82 39 13-0001)*

23 82 39 13-0003	EA	2 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,222.46	159.23
23 82 39 13-0004	EA	3 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,247.95	159.23
23 82 39 13-0005	EA	4 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,273.44	159.23
23 82 39 13-0006	EA	5 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,298.91	159.23
23 82 39 13-0007	EA	6 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,324.39	159.23
23 82 39 13-0008	EA	7 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,349.88	159.23
23 82 39 13-0009	EA	8 KW, 250 CFM, 35" Electric Cabinet Unit Heater	3,376.38	159.23
23 82 39 13-0010	EA	For Ceiling Installation of 35" Cabinet Unit Heater, Add	212.73	105.73

23 82 39 13-0011 Electric Cabinet Unit Heaters, 45" Cabinet Length *(23 82 39 13-0001)*

23 82 39 13-0012	EA	4 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,423.75	191.07
23 82 39 13-0013	EA	6 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,474.73	191.07
23 82 39 13-0014	EA	8 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,525.69	191.07
23 82 39 13-0015	EA	10 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,576.66	191.07
23 82 39 13-0016	EA	12 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,627.62	191.07
23 82 39 13-0017	EA	14 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,678.59	191.07
23 82 39 13-0018	EA	16 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,729.55	191.07
23 82 39 13-0019	EA	For Ceiling Installation of 45" Cabinet Unit Heater, Add	254.77	127.38

23 82 39 13-0020 Electric Cabinet Unit Heaters, 58" Cabinet Length *(23 82 39 13-0001)*

23 82 39 13-0021	EA	6 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,298.30	254.77
23 82 39 13-0022	EA	8 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,349.25	254.77
23 82 39 13-0023	EA	10 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,400.23	254.77
23 82 39 13-0024	EA	12 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,451.18	254.77

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 39 13-0025	EA	14 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,502.16	254.77
23 82 39 13-0026	EA	16 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,553.11	254.77
23 82 39 13-0027	EA	For Ceiling Installation of 58" Cabinet Unit Heater, Add	318.46	159.23
23 82 39 13-0028		Electric Cabinet Unit Heaters, 68" Cabinet Length *(23 82 39 13-0001)*		
23 82 39 13-0029	EA	6 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,070.91	318.46
23 82 39 13-0030	EA	9 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,147.35	318.46
23 82 39 13-0031	EA	12 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,223.79	318.46
23 82 39 13-0032	EA	15 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,300.24	318.46
23 82 39 13-0033	EA	18 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,376.70	318.46
23 82 39 13-0034	EA	21 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,453.14	318.46
23 82 39 13-0035	EA	24 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,529.59	318.46
23 82 39 13-0036	EA	For Ceiling Installation of 68" Cabinet Unit Heater, Add	425.46	212.73
23 82 39 13-0037		Electric Cabinet Unit Heaters, 78" Cabinet Length *(23 82 39 13-0001)*		
23 82 39 13-0038	EA	8 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,945.44	382.15
23 82 39 13-0039	EA	12 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	6,047.37	382.15
23 82 39 13-0040	EA	16 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	6,149.30	382.15
23 82 39 13-0041	EA	20 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	6,251.23	382.15
23 82 39 13-0042	EA	24 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	6,353.16	382.15
23 82 39 13-0043	EA	28 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	6,455.09	382.15
23 82 39 13-0044	EA	32 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	6,557.02	382.15
23 82 39 13-0045	EA	For Ceiling Installation of 78" Cabinet Unit Heater, Add	509.53	254.77
23 82 39 13-0046		Removal and Reinstallation of Cabinet Unit Heaters *(23 82 39 13)* Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.		
23 82 39 13-0047	EA	Removal And Reinstallation Of Up To 58" Cabinet Unit Heater, Floor or Wall	322.03	
23 82 39 13-0048	EA	Removal And Reinstallation Of >58" Cabinet Unit Heater, Floor or Wall	556.25	
23 82 39 13-0049	EA	Removal And Reinstallation Of Up To 58" Cabinet Unit Heater, Ceiling	663.97	
23 82 39 13-0050	EA	Removal And Reinstallation Of >58" Cabinet Unit Heater, Ceiling	898.17	
23 82 39 16		**Propeller Unit Heaters** *(23 82 39)*		
23 82 39 16-0001		Hydronic Unit Heaters Using Steam Or Hot Water *(23 82 39 16)* Note: For use with either steam or heating hot water. Heating output capacities for both are listed.		
23 82 39 16-0002		Horizontal Hydronic Unit Heaters, Fan Propelled, 115 Volt *(23 82 39 16-0001)*		
23 82 39 16-0003	EA	18 MBH Steam, 13 MBH Hot Water, 395 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,307.97	117.10
23 82 39 16-0004	EA	24 MBH Steam, 17.4 MBH Hot Water, 450 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,310.90	117.10
23 82 39 16-0005	EA	36 MBH Steam, 26.1 MBH Hot Water, 550 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,479.25	117.10
23 82 39 16-0006	EA	48 MBH Steam, 34.8 MBH Hot Water, 750 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,771.56	175.66
23 82 39 16-0007	EA	60 MBH Steam, 43.6 MBH Hot Water, 900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,857.69	175.66
23 82 39 16-0008	EA	72 MBH Steam, 52.3 MBH Hot Water, 1,100 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,985.95	175.66
23 82 39 16-0009	EA	84 MBH Steam, 61 MBH Hot Water, 2,400 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,355.55	234.21
23 82 39 16-0010	EA	96 MBH Steam, 69.7 MBH Hot Water, 2,400 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,613.95	234.21
23 82 39 16-0011	EA	108 MBH Steam, 78.4 MBH Hot Water, 2,800 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,778.39	234.21
23 82 39 16-0012	EA	120 MBH Steam, 87.1 MBH Hot Water, 2,900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,911.51	234.21
23 82 39 16-0013	EA	132 MBH Steam, 95.8 MBH Hot Water, 2.000 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,251.78	292.76
23 82 39 16-0014	EA	144 MBH Steam, 104 MBH Hot Water, 2,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,296.82	292.76
23 82 39 16-0015	EA	156 MBH Steam, 113 MBH Hot Water, 2,600 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,339.89	292.76
23 82 39 16-0016	EA	180 MBH Steam, 118 MBH Hot Water, 2,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,509.77	351.31
23 82 39 16-0017	EA	204 MBH Steam, 148 MBH Hot Water, 2,900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,846.48	351.31
23 82 39 16-0018	EA	240 MBH Steam, 174 MBH Hot Water, 3,500 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	4,376.81	409.86
23 82 39 16-0019	EA	280 MBH Steam, 209.1 MBH Hot Water, 4,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	5,596.39	409.86
23 82 39 16-0020	EA	300 MBH Steam, 230 MBH Hot Water, 5,000 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	5,913.07	468.41
23 82 39 16-0021	EA	360 MBH Steam, 261.3 MBH Hot Water, 5,500 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	7,165.94	468.41
23 82 39 16-0022	EA	Fan Guard For Fan Propelled Steam Unit Heater, Horizontal Note: Required only for unit heaters located within 7' of a working surface.	269.75	29.28
23 82 39 16-0023		Vertical Hydronic Unit Heaters, Fan Propelled, 115 Volt *(23 82 39 16-0001)*		
23 82 39 16-0024	EA	41.3 MBH Steam, 22.7 MBH Hot Water, 595 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	1,887.08	117.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 39 16-0025	EA	65.5 MBH Steam, 39.6 MBH Hot Water, 989 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	1,980.05	175.66
23 82 39 16-0026	EA	80.6 MBH Steam, 48.4 MBH Hot Water, 1,200 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	2,149.40	175.66
23 82 39 16-0027	EA	101.8 MBH Steam, 68.3 MBH Hot Water, 1,490 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	2,619.85	234.21
23 82 39 16-0028	EA	124.4 MBH Steam, 83.7 MBH Hot Water, 1,790 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	2,786.22	234.21
23 82 39 16-0029	EA	152 MBH Steam, 105.2 MBH Hot Water, 2,220 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	3,208.29	351.31
23 82 39 16-0030	EA	173 MBH Steam, 118.6 MBH Hot Water, 2,620 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	3,462.78	351.31
23 82 39 16-0031	EA	210.2 MBH Steam, 139.7 MBH Hot Water, 3,200 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	3,676.18	351.31
23 82 39 16-0032	EA	249.8 MBH Steam, 180.1 MBH Hot Water, 4,180 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	4,085.11	409.86
23 82 39 16-0033	EA	283.8 MBH Steam, 205.4 MBH Hot Water, 4,430 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	4,337.66	409.86
23 82 39 16-0034	EA	333.4 MBH Steam, 242.9 MBH Hot Water, 5,210 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	4,848.58	409.86
23 82 39 16-0035	EA	386 MBH Steam, 280.8 MBH Hot Water, 6,140 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	5,548.60	526.96
23 82 39 16-0036	EA	496 MBH Steam, 368.1 MBH Hot Water, 8,020 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	7,247.81	526.96
23 82 39 16-0037	EA	585 MBH Steam, 431.1 MBH Hot Water, 9,450 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	7,768.53	526.96
23 82 39 16-0038	EA	705 MBH Steam, 519.4 MBH Hot Water, 11,000 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	8,860.52	585.51
23 82 39 16-0039	EA	Fan Guard For Fan Propelled Steam Unit Heater, Vertical Note: Required only for unit heaters located within 7' of a working surface.	372.25	29.28

23 82 39 16-0040 Removal and Reinstallation of Propeller Unit Heaters *(23 82 39 16)*

Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.

23 82 39 16-0041	EA	Removal And Reinstallation Of Up To 120 MBH Steam, 87.1 MBH Hot Water Hydronic Unit Heater, Horizontal or Vertical	702.61	
23 82 39 16-0042	EA	Removal And Reinstallation Of >120 MBH Steam, 87.1 MBH Hot Water Hydronic Unit Heater, Horizontal or Vertical	936.82	

23 82 39 19 Wall and Ceiling Unit Heaters *(23 82 39)*

23 82 39 19-0001 Electric Unit Heaters *(23 82 39 19)*

Note: May be mounted both vertically and horizontally.

23 82 39 19-0002	EA	3 KW, 350 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	935.02	127.38
23 82 39 19-0003	EA	5 KW, 350 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	935.02	127.38
23 82 39 19-0004	EA	7.5 KW, 650 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	1,254.80	159.23
23 82 39 19-0005	EA	10 KW, 650 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	1,438.74	191.07
23 82 39 19-0006	EA	15 KW, 910 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	2,100.58	254.77
23 82 39 19-0007	EA	20 KW, 1,320 CFM Electric Unit Heater, 208, 240/208, 277, or 480 Volt	3,062.55	318.46
23 82 39 19-0008	EA	30 KW, 2,100 CFM Electric Unit Heater, Two speed; 208, 240/208, 277, or 480 Volt	4,230.09	382.15
23 82 39 19-0009	EA	50 KW, 3,000 CFM Electric Unit Heater, Two speed; 208, 240/208, 277, or 480 Volt	6,189.12	445.84
23 82 39 19-0010	EA	3 KW, 350 CFM Electric Unit Heater - 480 Volt	1,156.16	127.38
23 82 39 19-0011	EA	5 KW, 350 CFM Electric Unit Heater - 480 Volt	1,112.99	127.38
23 82 39 19-0012	EA	7.5 KW, 650 CFM Electric Unit Heater - 480 Volt	1,318.00	159.23
23 82 39 19-0013	EA	10 KW, 650 CFM Electric Unit Heater - 480 Volt	1,520.97	191.07
23 82 39 19-0014	EA	15 KW, 910 CFM Electric Unit Heater - 480 Volt	2,265.03	254.77

23 82 39 19-0015 Electric Ceiling and Wall Heaters *(23 82 39 19)*

Note: The "/" between wattages indicates two or three speed operation. 120, 240/208 or 277 Volt.

23 82 39 19-0016	EA	1,000, 1,500 Or 2,000 Watt Recessed Electric Wall Heater	426.46	79.62
23 82 39 19-0017	EA	1,500/750 Or 2,000/1,000 Watt Recessed Electric Wall Heater	499.12	89.17
23 82 39 19-0018	EA	3,000, 3,600, 4,000 Or 4,800 Watt Recessed Electric Wall Heater	782.54	89.17
23 82 39 19-0019	EA	1,000, 1,500 Or 2,000 Watt Surface Mounted Electric Wall Heater	484.67	79.62
23 82 39 19-0020	EA	1,500/750 Or 2,000/1,000 Watt Surface Mounted Electric Wall Heater	590.98	89.17
23 82 39 19-0021	EA	3,000, 3,600, 4,000 Or 4,800 Watt Surface Mounted Electric Wall Heater	890.44	89.17
23 82 39 19-0022	EA	1,000, 1,500 Or 2,000/1,500 Watt Recessed Electric Ceiling Heater	637.40	105.09
23 82 39 19-0023	EA	3,000, 4,000 Or 4,000/3,000 Watt Recessed Electric Ceiling Heater	1,191.39	111.46
23 82 39 19-0024	EA	4,800/3,600 Watt Recessed Electric Ceiling Heater	1,341.17	111.46
23 82 39 19-0025	EA	4,000/3,000/2,000 Watt Recessed Or Surface Mounted Electric Ceiling Heater	1,557.25	117.83
23 82 39 19-0026	EA	5,000/3,800/2,500 Watt Recessed Or Surface Mounted Electric Ceiling Heater	1,688.76	117.83
23 82 39 19-0027	EA	1,000, 1,500 Or 2,000/1,500 Watt Surface Mounted Electric Ceiling Heater	715.20	105.09
23 82 39 19-0028	EA	3,000, 4,000 Or 4,000/3,000 Watt Surface Mounted Electric Ceiling Heater	1,313.93	111.46
23 82 39 19-0029	EA	4,800/3,600 Watt Surface Mounted Electric Ceiling Heater	1,463.71	111.46
23 82 39 19-0030	EA	Selectable Wattage (500 Or 750 Or 1000 Or 1,250 Or 1,500 Or 1,750 Or 2,250 Watt), 240 Volt, Surface Mounted, Electric Wall Heater (Markel Series 305 - Model H30522T2DWB)	679.10	79.62

23 82 39 19-0031 Removal And Reinstallation Of Electric Unit Heaters *(23 82 39 19)*

Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.

23 82 39 19-0032	EA	Removal And Reinstallation Of Up To 15KW Electric Unit Heater	421.60	
23 82 39 19-0033	EA	Removal And Reinstallation Of >15 KW Electric Unit Heater	866.66	

23 83 Radiant Heating Units *(23 80)*

23 83 13 Radiant-Heating Electric Cables *(23 83)*

23 83 13 13 Radiant-Heating Electric Cables *(23 83 13)*

23 83 13 13-0001 Self Regulating Heating Cable *(23 83 13 13)*

23 83 13 13-0002	LF	3 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, at 50 Degrees F.	9.52	0.88

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 83 13 13-0003	LF	5 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, at 50 degrees F.	10.15	0.88
23 83 13 13-0004	LF	8 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, at 50 degrees F.	10.60	0.88
23 83 13 13-0005	LF	3 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, at 50 degrees F.	9.52	0.88
23 83 13 13-0006	LF	5 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, at 50 degrees F	11.23	0.88
23 83 13 13-0007	LF	8 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, at 50 degrees F.	11.86	0.88
23 83 13 13-0008	LF	3 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 Degrees F.	11.85	0.88
23 83 13 13-0009	LF	5 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 degrees F.	12.15	0.88
23 83 13 13-0010	LF	8 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 degrees F.	12.44	0.88
23 83 13 13-0011	LF	3 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 degrees F.	11.85	0.88
23 83 13 13-0012	LF	5 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 degrees F	12.15	0.88
23 83 13 13-0013	LF	8 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 degrees F.	12.44	0.88
23 83 13 13-0014	LF	3 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments Note: Tinned copper braid, at 50 Degrees F.	14.79	0.88
23 83 13 13-0015	LF	5 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments Note: Tinned copper braid, at 50 degrees F.	15.37	0.88
23 83 13 13-0016	LF	8 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments Note: Tinned copper braid, at 50 degrees F.	15.67	0.88
23 83 13 13-0017	LF	3 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments Note: Tinned copper braid, at 50 degrees F.	14.79	0.88
23 83 13 13-0018	LF	5 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments Note: Tinned copper braid, at 50 degrees F	15.37	0.88
23 83 13 13-0019	LF	8 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments Note: Tinned copper braid, at 50 degrees F.	15.67	0.88
23 83 13 13-0020	EA	Power Connection Kit With Pre-set Thermostat For Self Regulating Low Temperature Heating Cable	335.62	69.45
23 83 13 13-0021	EA	Splice And Tee Kit For Self Regulating Low Temperature Heating Cable	335.62	69.45
23 83 13 13-0022	EA	End Seal Kit For Self Regulating Low Temperature Heating Cable	221.98	12.63
23 83 13 13-0023	EA	Ambient Air Sensing Thermostat For Self Regulating Low Temperature Heating Cable	601.82	31.57
23 83 13 13-0024	EA	Mechanical Or Electrical Line Sensing Thermostat For Self Regulating Low Temperature Heating Cable	663.01	31.57

23 84 Humidity Control Equipment *(23 80)*

23 84 13 Humidifiers *(23 84)*

23 84 13 16 Wetted-Element Humidifiers *(23 84 13)*

23 84 13 16-0001 Electric Steam Humidifiers, Self-Steam Producing *(23 84 13 16)*

Note: Electronic modulating duct or air handling unit installation 208V-108V with 12" to 72" manifolds included.

23 84 13 16-0002	EA	1-96 Lb./Hour Electric Steam Humidifier, Self-Steam Producing With 12-72" Manifold	13,378.41	482.47
23 84 13 16-0003	EA	20-168 Lb./Hour Electric Steam Humidifier, Self-Steam Producing With 12-72" Manifold	16,978.02	483.63

23 84 13 23 Direct-Steam-Injection Humidifiers *(23 84 13)*

23 84 13 23-0001 Steam Type Pneumatically Controlled *(23 84 13 23)*

Note: For duct or air handling installation standard unit with integral operator distribution manifold strainer trap and pneumatic modulating valve. Excludes humidistat and piping.

23 84 13 23-0002	EA	3-191 Lb./Hour Steam Humidifier, 24" Manifold, Pneumatic Controls	2,134.20	309.15
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*655.87*	
23 84 13 23-0003	EA	3-191 Lb./Hour Steam Humidifier, 48" Manifold, Pneumatic Controls	2,134.20	309.15
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*655.87*	
23 84 13 23-0004	EA	65-334 Lb./Hour Steam Humidifier, 36" Manifold, Pneumatic Controls	3,081.27	309.15
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*939.99*	
23 84 13 23-0005	EA	65-334 Lb./Hour Steam Humidifier, 72" Manifold, Pneumatic Controls	3,198.37	386.44
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*979.03*	
23 84 13 23-0006	EA	100-690 Lb./Hour Steam Humidifier, 48" Manifold, Pneumatic Controls	4,638.50	309.15
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*1,407.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 84 13 23-0007	EA	100-690 Lb./Hour Steam Humidifier, 84" Manifold, Pneumatic Controls	4,755.60	386.44
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*1,446.20*	
23 84 13 23-0008	EA	220-2,000 Lb./Hour Steam Humidifier, 72" Manifold, Pneumatic Controls	7,188.77	386.44
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*2,176.15*	
23 84 13 23-0009	EA	220-2,000 Lb./Hour Steam Humidifier, 144" Manifold, Pneumatic Controls	7,335.15	483.63
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*2,224.94*	

23 84 13 29 Self-Contained Steam Humidifiers *(23 84 13)*

23 84 13 29-0001 Residential Humidifiers *(23 84 13 29)*

Note: Includes solenoid valve and flow through water supply.

23 84 13 29-0002	EA	Duct Or Furnace Mounted Humidifier, Residential Type	608.54	58.55

23 84 16 Mechanical Dehumidification Units *(23 84)*

23 84 16 16 Indoor, Mechanical Dehumidification Units *(23 84 16)*

23 84 16 16-0001 Mechanical Dehumidification Units *(23 84 16 16)*

Note: Sized by moisture removal per 24 hours.

23 84 16 16-0002	EA	65 Pint Per Day, 160 CFM, 8" Duct Connection, Refrigerant Dehumidifier	2,384.70	63.69
23 84 16 16-0003	EA	90 Pint Per Day, 235 CFM, 10"/6" Duct Connection, Refrigerant Dehumidifier	3,001.24	74.30
23 84 16 16-0004	EA	120 Pint Per Day, 350 CFM, 10"/6" Duct Connection, Refrigerant Dehumidifier	4,025.35	84.92

23 84 16 33 Portable Dehumidifiers *(23 84 16)*

23 84 16 33-0001 Self Contained Free Standing Unit *(23 84 16 33)*

Note: Sized by moisture removal per 24 hours.

23 84 16 33-0002	EA	30 Pint/24 Hour Dehumidifier	538.46	137.83
23 84 16 33-0003	EA	50 Pint/24 Hour Dehumidifier	648.95	137.83
23 84 16 33-0004	EA	70 Pint/24 Hour Dehumidifier	715.24	137.83

END OF SECTION 23

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 Electrical

Note: Termination costs are included with all electrical equipment, panel boards, fixtures and devices. Terminations are not included with patch panels. Electricial equipment and lighting shall conform to California Title 24.

26 01 Operation and Maintenance of Electrical Systems *(26)*

26 01 10 Operation and Maintenance of Medium-Voltage Electrical Distribution *(26 01)*

26 01 10 91 Medium-Voltage Electrical Distribution Restoration *(26 01 10)*

26 01 10 91-0001 Retrofit Distribution Enclosures *(26 01 10 91)*
Note: Includes removal of equipment housing, punch or drill hole for window, touch-up area, and reinstallation of equipment housing.

26 01 10 91-0002	EA	2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-2C) Note: 2mm thick, aluminum frame, hinged cover.		530.57	
		For Up To 20, Add		*113.21*	
		For >20 To 50, Add		*90.57*	
		For >50 To 100, Add		*45.28*	
26 01 10 91-0003	EA	3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-3C) Note: 2mm thick, aluminum frame, hinged cover.		692.87	
		For Up To 20, Add		*153.78*	
		For >20 To 50, Add		*123.03*	
		For >50 To 100, Add		*61.51*	
26 01 10 91-0004	EA	4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-4C) Note: 4mm thick, aluminum frame, hinged cover.		1,049.94	
		For Up To 20, Add		*243.05*	
		For >20 To 50, Add		*194.44*	
		For >50 To 100, Add		*97.22*	
26 01 10 91-0005	EA	2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-2) Note: 2mm thick, aluminum frame, twist cover.		528.80	
		For Up To 20, Add		*112.77*	
		For >20 To 50, Add		*90.21*	
		For >50 To 100, Add		*45.11*	
26 01 10 91-0006	EA	3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-3) Note: 2mm thick, aluminum frame, twist cover.		679.65	
		For Up To 20, Add		*150.48*	
		For >20 To 50, Add		*120.38*	
		For >50 To 100, Add		*60.19*	
26 01 10 91-0007	EA	4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-4) Note: 4mm thick, aluminum frame, twist cover.		1,020.59	
		For Up To 20, Add		*235.71*	
		For >20 To 50, Add		*188.57*	
		For >50 To 100, Add		*94.29*	
26 01 10 91-0008	EA	2" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VPFR) Note: 0.25mm thick, composite frame, metal grille reinforced polymer.		413.71	
		For Up To 20, Add		*83.99*	
		For >20 To 50, Add		*67.19*	
		For >50 To 100, Add		*33.60*	
26 01 10 91-0009	EA	3" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VPFR) Note: 0.25mm thick, composite frame, metal grille reinforced polymer.		589.00	
		For Up To 20, Add		*127.82*	
		For >20 To 50, Add		*102.25*	
		For >50 To 100, Add		*51.13*	
26 01 10 91-0010	EA	4" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VPFR) Note: 0.25mm thick, composite frame, metal grille reinforced polymer.		844.63	
		For Up To 20, Add		*191.72*	
		For >20 To 50, Add		*153.38*	
		For >50 To 100, Add		*76.69*	
26 01 10 91-0011	EA	2" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) Note: 4mm thick, aluminum frame, magnetic cover.		768.78	
		For Up To 20, Add		*172.76*	
		For >20 To 50, Add		*138.21*	
		For >50 To 100, Add		*69.10*	
26 01 10 91-0012	EA	3" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) Note: 4mm thick, aluminum frame, magnetic cover.		1,062.05	
		For Up To 20, Add		*246.08*	
		For >20 To 50, Add		*196.86*	
		For >50 To 100, Add		*98.43*	
26 01 10 91-0013	EA	4" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) Note: 4mm thick, aluminum frame, magnetic cover.		1,957.78	
		For Up To 20, Add		*470.01*	
		For >20 To 50, Add		*376.01*	
		For >50 To 100, Add		*188.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 10 91-0014	EA	3" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) Note: 4mm thick, aluminum frame, magnetic cover.	885.34	
		For Up To 20, Add	*201.90*	
		For >20 To 50, Add	*161.52*	
		For >50 To 100, Add	*80.76*	
26 01 10 91-0015	EA	4" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) Note: 4mm thick, aluminum frame, magnetic cover.	1,309.98	
		For Up To 20, Add	*308.06*	
		For >20 To 50, Add	*246.45*	
		For >50 To 100, Add	*123.22*	

26 01 10 99 Medium-Voltage Electrical Distribution, Facilities Maintenance and Repair *(26 01 10)*

26 01 10 99-0001 Liquid Filled Primary Transformer *(26 01 10 99)*

Note: Includes all required small tools and equipment.

26 01 10 99-0002 Repair 500 KVA Liquid Filled Primary Transformer *(26 01 10 99-0001)*

26 01 10 99-0003	EA	Remove Transformer Component, Repair 500 KVA Liquid Filled Primary Transformer	125.30
26 01 10 99-0004	EA	Install New Transformer Component, Repair 500 KVA Liquid Filled Primary Transformer	2,828.35

26 01 10 99-0005 Maintenance And Inspection, Liquid Filled Primary Transformer *(26 01 10 99-0001)*

26 01 10 99-0006	EA	Test Energized Transformer, Maintenance And Inspection, Liquid Filled Primary Transformer	62.65

26 01 10 99-0007 Replace 500 KVA Liquid Filled Primary Transformer *(26 01 10 99-0001)*

26 01 10 99-0008	EA	Remove Transformer, Replace 500 KVA Liquid Filled Primary Transformer	1,848.06
26 01 10 99-0009	EA	Install New 5 KV Primary, 277/480 Volt Secondary, Replace 500 KVA Liquid Filled Primary Transformer	46,653.67

26 01 10 99-0010 Switchgear, Mainframe *(26 01 10 99)*

Note: Includes all required small tools and equipment.

26 01 10 99-0011 Repair 1,200 Amp Switchgear *(26 01 10 99-0010)*

26 01 10 99-0012	EA	Remove Relay, Repair 1,200 Amperes Switchgear	213.26
26 01 10 99-0013	EA	Install New Relay, Repair 1,200 Amperes Switchgear	1,961.88

26 01 10 99-0014 Maintenance And Inspection, Mainframe Switchgear *(26 01 10 99-0010)*

26 01 10 99-0015	EA	Check And Retighten Switchgear Connections, Maintenance And Inspection, Mainframe Switchgear	100.24

26 01 10 99-0016 Replace 1,200 Amp Switchgear *(26 01 10 99-0010)*

26 01 10 99-0017	EA	Remove 1,200 Amperes Switchgear, Replace 1,200 Amperes Switchgear	751.80
26 01 10 99-0018	EA	Install New 1,200 Amperes Switchgear, Replace 1,200 Amperes Switchgear	4,576.60
26 01 10 99-0019	EA	Test Switchgear, Replace 1,200 Amperes Switchgear	250.60

26 01 10 99-0020 500kVA And Over, Dry Type Transformer Preventative Maintenance *(26 01 10 99)*

Note: Includes all required small tools and equipment.

26 01 10 99-0021	EA	Annual Preventative Maintenance For 500kVA And Over, Dry Type Transformer Note: 1. Examine Exterior Of Transformer For Any Damage. 2. Remove Covers Or Open Doors. 3. Check For Signs Of Moisture Or Overheating. 4. Check For Voltage Creeping Over Insulated Surfaces, Such As Evidenced By Tracking Or Carbonization. 5. Check Fans, Motors And Other Auxiliary Devices For Proper Operation; Where Applicable. 6. Check Condition Of Ground System. 7. Reinstall Covers Or Close Doors. 8. Fill Out Maintenance Checklist And Report Deficiencies.	115.81

26 01 10 99-0022 Pad Mounted Oil Transformer Preventative Maintenance *(26 01 10 99)*

Note: Includes all required small tools and equipment.

26 01 10 99-0023	EA	Annual Preventative Maintenance For Pad Mounted Oil Transformer Note: 1. Examine Exterior Of Transformer For Any Damage, Cracks, Rust And Leaks; Check Around Bushings, Gasket And Pressure Relief Device. 2. Check Condition Of Ground System. 3. Check And Record Oil Level, Pressure And Temperature Readings. 4. Check Fans, Motors And Other Auxiliary Devices For Proper Operation; Where Applicable. 5. Draw Oil Sample From Top Of Transformer And Have Sample Tested For Dielectric Strength; Add Oil To Replace Sample Taken. 6. Clean Transformer Exterior And Surrounding Area. 7. Fill Out Maintenance Checklist And Report Deficiencies.	177.93

26 01 10 99-0024 PCB Pad Mounted Oil Transformer Preventative Maintenance *(26 01 10 99)*

Note: Includes all required small tools and equipment.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 10 99-0025	EA	Annual Preventative Maintenance For PCB Pad Mounted Oil Transformer Note: 1. Check With Operating Or Area Personnel For Deficiencies. 2. Examine Exterior Of The Transformer For Any Damage, Cracks, Rust And Leaks; Check Around Gaskets, Pressure Relief Device And Cooling Fins. 3. Check And Record Oil Level, Pressure And Temperature Readings. 4. Check Fans, Motors And Other Auxiliary Devices For Proper Operation; Where Applicable. 5. Check Exterior Bushings For Leaking Oil. 6. Check Condition Of Ground System. 7. Draw Oil Sample From Top Of Transformer And Have Sample Tested; Add Oil To Replace Sample Taken. 8. Clean Transformer Exterior And Surrounding Area. 9. Verify PCB Warning Markings Are Intact And Clearly Visible 10. Fill Out Maintenance Checklist And Report Deficiencies. 11. EPA Regulations Under 40 CFR 716.30 Shall Apply To All Inspections, Samples, Disposal, Cleanups, Decontamination, Reporting And Record Keeping.	229.56	

26 01 20 Operation and Maintenance of Low-Voltage Electrical Distribution *(26 01)*

26 01 20 91 Low-Voltage Electrical Distribution Restoration *(26 01 20)*

26 01 20 91-0001 Lock Out/Tag Out Devices *(26 01 20 91)*

Note: Includes following OSHA procedures and completing Owner's paperwork. Excludes circuit tracing.

26 01 20 91-0002	EA	Lock Out/Tag Out Local Disconnect Note: Excludes tag or padlock See CSI section 26 01 20 91-0004 for padlock, 26 01 20 91-0005 for tag(s).	45.46	
26 01 20 91-0003	EA	Lock Out/Tag Out Breaker Or Motor Starter Note: Excludes tag or padlock See CSI section 26 01 20 91-0004 for padlock, 26 01 20 91-0005 for tag(s).	45.46	
26 01 20 91-0004	EA	Lock Out Padlock Device Note: Includes the installation and removal of pad lock when required	12.63	
26 01 20 91-0005	EA	Lock Out Tags Note: Includes filling out tag information, installation and removal of identifying tags.	5.09	

26 01 20 91-0006 Existing Circuit Tracing *(26 01 20 91)*

26 01 20 91-0007	EA	Motors, Diconnects And Other Single Source Devices, Existing Circuit Tracing Per Device	26.27	
26 01 20 91-0008	EA	Lighting, Existing Circuit Tracing Per Circuit	26.27	

26 01 20 99 Low-Voltage Electrical Distribution, Facilities Maintenance and Repair *(26 01 20)*

Note: The Maintenance & Repair section is a listing of common maintenance tasks performed at facilities. Under the System Description column, each task, including its components, is described. Labor-hours have been enhanced, where appropriate, to include setup and delay time. In some cases, the list of steps comprising the task includes most of the potential repairs that could be made on a system. For those tasks, individual items, as appropriate, can be selected from the all-encompassing list.

26 01 20 99-0001 Electrical Service/Distribution *(26 01 20 99)*

Note: Includes all required small tools and equipment.

26 01 20 99-0002 Dry Primary Transformer *(26 01 20 99-0001)*

26 01 20 99-0003 Repair 15 KV Dry Primary Transformer *(26 01 20 99-0002)*

26 01 20 99-0004	EA	Repair Transformer Terminal (For Repair 15 KV Dry Primary Transformer)	321.11	

26 01 20 99-0005 Maintenance And Inspection, Dry Primary Transformer *(26 01 20 99-0002)*

26 01 20 99-0006	EA	Test Energized Transformer (For Maintenance And Inspection, Dry Primary Transformer)	62.65	

26 01 20 99-0007 Replace 15 KV Dry Primary Transformer *(26 01 20 99-0002)*

26 01 20 99-0008	EA	Remove Transformer (For Replace 15 KV Dry Primary Transformer)	1,848.06	
26 01 20 99-0009	EA	Install New 500 KVA, 277/480 Volt Secondary (For Replace 15 KV Dry Primary Transformer)	44,619.49	

26 01 20 99-0010 Fuses *(26 01 20 99-0001)*

26 01 20 99-0011 Replace Fuse *(26 01 20 99-0010)*

26 01 20 99-0012	EA	Remove Fuse (For Replace Fuse)	18.92	
26 01 20 99-0013	EA	Install New Fuse 600 Amp (For Replace Fuse)	493.46	

26 01 20 99-0014 Less Than 600 Volt Indoor Switchgear *(26 01 20 99-0001)*

26 01 20 99-0015 Repair (5% Of Total Circuit Breaker) Less Than 600 Volt Indoor Switchgear *(26 01 20 99-0014)*

26 01 20 99-0016	EA	Remove Circuit Breaker (For Repair (5% Of Total Circuit Breaker) Less Than 600 Volt Indoor Switchgear)	50.12	
26 01 20 99-0017	EA	Install New Circuit Breaker (For Repair (5% Of Total Circuit Breaker) Less Than 600 Volt Indoor Switchgear)	842.96	

26 01 20 99-0018 Maintenance And Inspection, Less Than 600 Volt Indoor Switchgear *(26 01 20 99-0014)*

26 01 20 99-0019	EA	Inspect And Clean Panel (For Maintenance And Inspection, Less Than 600 Volt Indoor Switchgear)	62.65	

26 01 20 99-0020 Replace 225 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear *(26 01 20 99-0014)*

26 01 20 99-0021	EA	Remove 4 Wire, 120/208 Volt, Panel Board (For Replace 225 AMP Switchgear, Less Than 600 Volt Indoor Switchgear)	501.20	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 20 99-0022	EA	Install New 4 Wire, 120/208 Volt, 225 Amp Main Circuit Breaker, Panel Board (For Replace 225 AMP Switchgear, Less Than 600 Volt Indoor Switchgear)	2,099.67	
26 01 20 99-0023	EA	Test Circuits (For Replace 225 AMP Switchgear, Less Than 600 Volt Indoor Switchgear)	189.08	
26 01 20 99-0024		**Replace 400 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear** *(26 01 20 99-0014)*		
26 01 20 99-0025	EA	Turn Power Off, Later Turn On (For Replace 400 Amp Switchgear, Less Than 600 Volt Indoor Switchgear)	25.06	
26 01 20 99-0026	EA	Remove 4 Wire, 120/208 Volt, 100 Amp, Panel Board (For Replace 400 Amp Switchgear, Less Than 600 Volt Indoor Switchgear)	417.62	
26 01 20 99-0027	EA	Remove 4 Wire, 120/208 Volt, 400 Amp, Panel Board (For Replace 400 Amp Switchgear, Less Than 600 Volt Indoor Switchgear)	1,044.12	
26 01 20 99-0028	EA	Install New 100 Amp Main Circuit Breaker, 4 Wire, 120/208 Volt, Panel Board (For Replace 400 Amp Switchgear, Less Than 600 Volt Indoor Switchgear)	6,889.86	
26 01 20 99-0029	EA	Install New 400 Amp Main Circuit Breaker, 4 Wire, 120/208 Volt, Panel Board (For Replace 400 Amp Switchgear, Less Than 600 Volt Indoor Switchgear)	11,340.63	
26 01 20 99-0030	EA	Test Circuits (For Replace 400 Amp Switchgear, Less Than 600 Volt Indoor Switchgear)	18.17	
26 01 20 99-0031		**Replace 600 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear** *(26 01 20 99-0014)*		
26 01 20 99-0032	EA	Turn Power Off, Later Turn On (For Replace 600 Amp Switchgear, Less Than 600 Volt Indoor Switchgear)	37.59	
26 01 20 99-0033	EA	Remove 4 Wire, 120/208 Volt, 200 Amp, Panel Board (For Replace 600 Amp Switchgear, Less Than 600 Volt Indoor Switchgear)	835.37	
26 01 20 99-0034	EA	Remove Incoming Section (For Replace 600 Amp Switchgear, Less Than 600 Volt Indoor Switchgear)	607.45	
26 01 20 99-0035	EA	Remove Distribution Section (For Replace 600 Amp Switchgear, Less Than 600 Volt Indoor Switchgear)	501.20	
26 01 20 99-0036	EA	Install New 225 Amp Main Circuit Breaker, 4 Wire, 120/208 Volt, Panel Board (For Replace 600 Amp Switchgear, Less Than 600 Volt Indoor Switchgear)	6,861.75	
26 01 20 99-0037	EA	Install New Incoming Section, 600 Amp (For Replace 600 Amp Switchgear, Less Than 600 Volt Indoor Switchgear)	7,320.65	
26 01 20 99-0038	EA	Install New Distribution Section, 600 Amp (For Replace 600 Amp Switchgear, Less Than 600 Volt Indoor Switchgear)	3,708.73	
26 01 20 99-0039	EA	Test Circuits (For Replace 600 Amp Switchgear, Less Than 600 Volt Indoor Switchgear)	27.32	
26 01 20 99-0040		**Replace 800 Amp Switchgear, Less Than 600 Volt Indoor Switchgear** *(26 01 20 99-0014)*		
26 01 20 99-0041	EA	Turn Power Off, Later Turn On (For Replace 800 Amp Switchgear, Less Than 600 Volt Indoor Switchgear)	50.12	
26 01 20 99-0042	EA	Remove 4 Wire, 120/208 Volt, 200 Amperes, 2 Panel Boards (For Replace 800 Amp Switchgear, Less Than 600 Volt Indoor Switchgear)	1,670.62	
26 01 20 99-0043	EA	Remove Incoming Section (For Replace 800 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear)	691.28	
26 01 20 99-0044	EA	Remove Distribution Section (For Replace 800 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear)	556.83	
26 01 20 99-0045	EA	Install New 225 Amperes Main Lugs, 4 Wire, 120/208 Volt, 2 Panel Boards (For Replace 800 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear)	13,336.11	
26 01 20 99-0046	EA	Install New Incoming Section, 800 Amperes (For Replace 800 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear)	7,594.06	
26 01 20 99-0047	EA	Install New Distribution Section, 800 Amperes (For Replace 800 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear)	4,427.62	
26 01 20 99-0048	EA	Test Circuits (For Replace 800 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear)	36.46	
26 01 20 99-0049		**Replace 1,200 Amp Switchgear, Less Than 600 Volt Indoor Switchgear** *(26 01 20 99-0014)*		
26 01 20 99-0050	EA	Turn Power Off, Later Turn On (For Replace 1,200 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear)	75.18	
26 01 20 99-0051	EA	Remove 4 Wire, 120/208 Volt, 200 Amperes, 4 Panel Boards (For Replace 1,200 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear)	3,341.36	
26 01 20 99-0052	EA	Remove Incoming Section (For Replace 1,200 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear)	835.37	
26 01 20 99-0053	EA	Remove Distribution Section (For Replace 1,200 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear)	646.67	
26 01 20 99-0054	EA	Install New 225 Amperes Main Lugs, 4 Wire, 120/208 Volt, 4 Panel Boards (For Replace 1,200 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear)	26,672.22	
26 01 20 99-0055	EA	Install New Incoming Section, 1,200 Amperes (For Replace 1,200 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear)	9,172.84	
26 01 20 99-0056	EA	Install New Distribution Section, 1,200 Amperes (For Replace 1,200 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear)	6,016.02	
26 01 20 99-0057	EA	Test Circuits (For Replace 1,200 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear)	54.63	
26 01 20 99-0058		**Replace 1,600 Amp Switchgear, Less Than 600 Volt Indoor Switchgear** *(26 01 20 99-0014)*		
26 01 20 99-0059	EA	Turn Power Off, Later Turn On (For Replace 1,600 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear)	100.24	
26 01 20 99-0060	EA	Remove 4 Wire, 120/208 Volt, 200 Amperes, 6 Panel Boards (For Replace 1,600 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear)	5,011.98	
26 01 20 99-0061	EA	Remove Incoming Section (For Replace 1,600 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear)	911.30	
26 01 20 99-0062	EA	Remove Distribution Section (For Replace 1,600 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear)	691.28	
26 01 20 99-0063	EA	Install New 225 Amperes Main Lugs, 4 Wire, 120/208 Volt, 6 Panel Boards (For Replace 1,600 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear)	40,008.20	
26 01 20 99-0064	EA	Install New Incoming Section, 1,600 Amperes (For Replace 1,600 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear)	9,425.94	
26 01 20 99-0065	EA	Install New Distribution Section, 1,600 Ampere (For Replace 1,600 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear)	8,087.36	
26 01 20 99-0066	EA	Test Circuits (For Replace 1,600 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear)	72.92	
26 01 20 99-0067		**Replace 2,000 Amp Switchgear, Less Than 600 Volt Indoor Switchgear** *(26 01 20 99-0014)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 20 99-0068	EA	Turn Power Off, Later Turn On (For Replace 2,000 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear)	125.30	
26 01 20 99-0069	EA	Remove 4 Wire, 120/208 Volt, 200 Amperes, 8 Panel Boards (For Replace 2,000 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear)	6,682.60	
26 01 20 99-0070	EA	Remove Incoming Section (For Replace 2,000 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear)	954.66	
26 01 20 99-0071	EA	Remove Distribution Section (For Replace 2,000 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear)	742.52	
26 01 20 99-0072	EA	Install New 225 Amperes Main Lugs, 4 Wire, 120/208 Volt, 8 Panel Boards (For Replace 2,000 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear)	53,344.31	
26 01 20 99-0073	EA	Install New Incoming Section, 2,000 Amperes (For Replace 2,000 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear)	10,222.30	
26 01 20 99-0074	EA	Install New Distribution Section, 2,000 Amperes (For Replace 2,000 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear)	9,632.60	
26 01 20 99-0075	EA	Test Circuits (For Replace 2,000 Amperes Switchgear, Less Than 600 Volt Indoor Switchgear)	91.09	
26 01 20 99-0076		600 Volt Indoor Switchgear *(26 01 20 99-0001)*		
26 01 20 99-0077		Maintenance And Repair (5% Of Total Fuses) 600 Volt Indoor Switchgear *(26 01 20 99-0076)*		
26 01 20 99-0078	EA	Remove Fuse (For Maintenance And Repair (5% Of Total Fuses) 600 Volt Indoor Switchgear)	18.92	
26 01 20 99-0079	EA	Install New Fuse (For Maintenance And Repair (5% Of Total Fuses) 600 Volt Indoor Switchgear)	493.46	
26 01 20 99-0080		Maintenance And Inspection, 600 Volt Indoor Switchgear *(26 01 20 99-0076)*		
26 01 20 99-0081	EA	Inspect And Clean Panel (For Maintenance And Inspection, 600 Volt Indoor Switchgear)	62.65	
26 01 20 99-0082		Replace 600 Volt Switchgear *(26 01 20 99-0076)*		
26 01 20 99-0083	EA	Remove Indoor Switchgear (For Replace 600 Volt Switchgear)	501.20	
26 01 20 99-0084	EA	Install New Switchgear (For Replace 600 Volt Switchgear)	3,147.37	
26 01 20 99-0085	EA	Test Circuits (For Replace 600 Volt Switchgear)	250.60	
26 01 20 99-0086		Switchboard Meters *(26 01 20 99-0001)*		
26 01 20 99-0087		Repair Switchboard Meter *(26 01 20 99-0086)*		
26 01 20 99-0088	EA	Repair Meter (For Repair Switchboard Meter)	1,484.61	
26 01 20 99-0089		Replace Switchboard Meter *(26 01 20 99-0086)*		
26 01 20 99-0090	EA	Remove Meter (For Replace Switchboard Meter)	62.65	
26 01 20 99-0091	EA	Install New Meter (For Replace Switchboard Meter)	4,491.04	
26 01 20 99-0092		Inverter *(26 01 20 99-0001)*		
26 01 20 99-0093		Maintenance And Repair, 1 KVA Inverter *(26 01 20 99-0092)*		
26 01 20 99-0094	EA	Repair Inverter Component (For Maintenance And Repair, 1 KVA Inverter)	1,027.11	
26 01 20 99-0095		Maintenance And Inspection, 1 KVA Inverter *(26 01 20 99-0092)*		
26 01 20 99-0096	EA	Check Connections, Controls And Relays, Maintenance And Inspection, 1 KVA Inverter	200.48	
26 01 20 99-0097		Replace 1 KVA Inverter *(26 01 20 99-0092)*		
26 01 20 99-0098	EA	Remove Inverter (For Replace 1 KVA Inverter)	62.65	
26 01 20 99-0099	EA	Install New Inverter (For Replace 1 KVA Inverter)	4,206.60	
26 01 20 99-0100		Up To 600 Volt Rectifier *(26 01 20 99-0001)*		
26 01 20 99-0101		Maintenance And Repair, Up To 600 Volt Rectifier *(26 01 20 99-0100)*		
26 01 20 99-0102	EA	Repair Rectifier Component (For Maintenance And Repair, Up To 600 Volt Rectifier)	862.55	
26 01 20 99-0103		Maintenance And Inspection, Up To 600 Volt Rectifier *(26 01 20 99-0100)*		
26 01 20 99-0104	EA	Check Connections, Controls And Relays (For Maintenance And Inspection, Up To 600 Volt Rectifier)	200.48	
26 01 20 99-0105		Replace Up To 600 Volt Rectifier *(26 01 20 99-0100)*		
26 01 20 99-0106	EA	Remove Rectifier (For Replace Up To 600 Volt Rectifier)	62.65	
26 01 20 99-0107	EA	Install New Rectifier (For Replace Up To 600 Volt Rectifier)	1,295.49	
26 01 20 99-0108		Less Than 600 Volt Motor Starter *(26 01 20 99-0001)*		
26 01 20 99-0109		Maintenance And Repair, Less Than 600 Volt Motor Starter *(26 01 20 99-0108)*		
26 01 20 99-0110	EA	Remove Motor Starter Coil (For Maintenance And Repair, Less Than 600 Volt Motor Starter)	62.65	
26 01 20 99-0111	EA	Install New Motor Starter Coil (For Maintenance And Repair, Less Than 600 Volt Motor Starter)	291.29	
26 01 20 99-0112		Maintenance And Inspection, Less Than 600 Volt Motor Starter *(26 01 20 99-0108)*		

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 20 99-0113	EA	Inspect And Clean Motor Starter (For Maintenance And Inspection, Less Than 600 Volt Motor Starter)	83.57	
26 01 20 99-0114		**Replace Starter, Less Than 600 Volt Motor Starter** *(26 01 20 99-0108)*		
26 01 20 99-0115	EA	Remove Motor Starter (For Replace Starter, Less Than 600 Volt Motor Starter)	112.64	
26 01 20 99-0116	EA	Install New 5 HP, Size 0, Magnetic Motor Starter (For Replace Starter, Less Than 600 Volt Motor Starter)	927.21	
26 01 20 99-0117	EA	Cut, Form, Align And Connect Wires (For Replace Starter, Less Than 600 Volt Motor Starter)	18.92	
26 01 20 99-0118	EA	Check Operation Of Motor Starter (For Replace Starter, Less Than 600 Volt Motor Starter)	2.26	
26 01 20 99-0119		**600 Volt Motor Starter** *(26 01 20 99-0001)*		
26 01 20 99-0120		**Maintenance And Repair, 600 Volt Motor Starter** *(26 01 20 99-0119)*		
26 01 20 99-0121	EA	Remove Motor Starter Coil (For Maintenance And Repair, 600 Volt Motor Starter)	213.26	
26 01 20 99-0122	EA	Install New Motor Starter Coil (For Maintenance And Repair, 600 Volt Motor Starter)	769.65	
26 01 20 99-0123		**Maintenance And Inspection, 600 Volt Motor Starter** *(26 01 20 99-0119)*		
26 01 20 99-0124	EA	Inspect And Clean Motor Starter (For Maintenance And Inspection, 600 Volt Motor Starter)	83.57	
26 01 20 99-0125		**Replace 600 Volt Motor Starter** *(26 01 20 99-0119)*		
26 01 20 99-0126	EA	Remove Motor Starter (For Replace 600 Volt Motor Starter)	417.62	
26 01 20 99-0127	EA	Install New 3 Pole, 100 HP Motor, FVRN Motor Starter (For Replace 600 Volt Motor Starter)	6,397.85	
26 01 20 99-0128	EA	Cut, Form, Align And Connect Wires (For Replace 600 Volt Motor Starter)	21.30	
26 01 20 99-0129	EA	Check Operation Of Motor Starter (For Replace 600 Volt Motor Starter)	2.26	
26 01 20 99-0130		**Liquid Filled Secondary Transformer** *(26 01 20 99-0001)*		
26 01 20 99-0131		**Maintenance And Repair, Liquid Filled Secondary Transformer** *(26 01 20 99-0130)*		
26 01 20 99-0132	EA	Remove Transformer Terminal (For Maintenance And Repair, Liquid Filled Secondary Transformer)	43.60	
26 01 20 99-0133	EA	Install New Transformer Terminal (For Maintenance And Repair, Liquid Filled Secondary Transformer)	140.26	
26 01 20 99-0134		**Maintenance And Inspection, Liquid Filled Secondary Transformer** *(26 01 20 99-0130)*		
26 01 20 99-0135	EA	Check Connections And Fluid (For Maintenance And Inspection, Liquid Filled Secondary Transformer)	83.57	
26 01 20 99-0136		**Dry Secondary Transformer** *(26 01 20 99-0001)*		
26 01 20 99-0137		**Maintenance And Repair, Dry Secondary Transformer** *(26 01 20 99-0136)*		
26 01 20 99-0138	EA	Remove Transformer Terminal (For Maintenance And Repair, Dry Secondary Transformer)	62.65	
26 01 20 99-0139	EA	Install New Transformer Terminal (For Maintenance And Repair, Dry Secondary Transformer)	262.04	
26 01 20 99-0140		**Maintenance And Inspection Dry Secondary Transformer** *(26 01 20 99-0136)*		
26 01 20 99-0141	EA	Inspect Connections And Tighten (For Maintenance And Inspection Dry Secondary Transformer)	125.30	
26 01 20 99-0142		**Replace 15 KVA Transformer** *(26 01 20 99-0136)*		
26 01 20 99-0143	EA	Remove Transformer, Including Support, Wire And Conduit Terminations (For Replace 15 KVA Transformer)	546.31	
26 01 20 99-0144	EA	Install New 240/480 Volt Primary, 120/208 V Secondary Transformer (For Replace 15 KVA Transformer)	3,478.34	
26 01 20 99-0145		**Replace 112.5 KVA Transformer** *(26 01 20 99-0136)*		
26 01 20 99-0146	EA	Remove Transformer, Including Support, Wire And Conduit Terminations (For Replace 112.5 KVA Transformer)	924.09	
26 01 20 99-0147	EA	Install New 240/480 Volt Primary, 120/208 V Secondary Transformer (For Replace 112.5 KVA Transformer)	7,384.15	
26 01 20 99-0148		**Replace 500 KVA Transformer** *(26 01 20 99-0136)*		
26 01 20 99-0149	EA	Remove Transformer, Including Support, Wire And Conduit Terminations (For Replace 500 KVA Transformer)	1,914.11	
26 01 20 99-0150	EA	Install New 240/480 Volt Primary, 120/208 V Secondary Transformer (For Replace 500 KVA Transformer)	26,145.71	
26 01 20 99-0151		**Indoor Lighting Panel** *(26 01 20 99-0001)*		
26 01 20 99-0152		**Maintenance And Inspection, Indoor Lighting Panel** *(26 01 20 99-0151)*		
26 01 20 99-0153	EA	Inspect And Clean Panels (For Maintenance And Inspection, Indoor Lighting Panel)	62.65	
26 01 20 99-0154		**Replace 100 Amp Load Center** *(26 01 20 99-0151)*		
26 01 20 99-0155	EA	Turn Power Off, Later Turn On (For Replace 100 Amp Load Center)	12.53	
26 01 20 99-0156	EA	Remove 3 Wire, 120/240 Volt, Load Center (For Replace 100 Amp Load Center)	385.55	
26 01 20 99-0157	EA	Install New 3 Wire, 120/240 Volt, 100 Amp, Load Center (For Replace 100 Amp Load Center)	1,198.93	
26 01 20 99-0158	EA	Test Circuits (For Replace 100 Amp Load Center)	9.15	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 20 99-0159		**Lighting And Branch Wiring** *(26 01 20 99)* Note: Includes all required small tools and equipment.		
26 01 20 99-0160		**Wireway** *(26 01 20 99-0159)*		
26 01 20 99-0161		**Replace 8" x 8" Wireway** *(26 01 20 99-0160)*		
26 01 20 99-0162	LF	Remove And Reinstall Supply Box (For Replace 8" x 8" Wireway)	6.26	
26 01 20 99-0163	LF	Remove Wireway, Fittings And Support (For Replace 8" x 8" Wireway)	12.53	
26 01 20 99-0164	LF	Install New Wireway, Fittings And Support (For Replace 8" x 8" Wireway)	86.98	
26 01 20 99-0165		**Non-Metallic (NM) Tubing/Sheathed Cable** *(26 01 20 99-0159)*		
26 01 20 99-0166		**Replace Non-Metallic (NM) Tubing/Sheathed Cable** *(26 01 20 99-0165)*		
26 01 20 99-0167	MLF	Shut Off Power, Later Turn On (For Replace Non-Metallic (NM) Tubing/Sheathed Cable)	12.53	
26 01 20 99-0168	MLF	Remove And Reinstall Cover Plate (For Replace Non-Metallic (NM) Tubing/Sheathed Cable)	161.64	
26 01 20 99-0169	MLF	Remove Junction Box (For Replace Non-Metallic (NM) Tubing/Sheathed Cable)	125.30	
26 01 20 99-0170	MLF	Remove Non-Metallic (NM) Tubing, #12, 2 Wire (For Replace Non-Metallic (NM) Tubing/Sheathed Cable)	1,593.81	
26 01 20 99-0171	MLF	Install Non-Metallic (NM) Tubing, #12, 2 Wire (For Replace Non-Metallic (NM) Tubing/Sheathed Cable)	4,678.23	
26 01 20 99-0172	MLF	Install New Staples, For Romex Or BX Cable (For Replace Non-Metallic (NM) Tubing/Sheathed Cable)	505.47	
26 01 20 99-0173	MLF	Install New Cable Connectors For #12, 2 Wire (For Replace Non-Metallic (NM) Tubing/Sheathed Cable)	107.80	
26 01 20 99-0174	MLF	Install New 4" Outlet Box Square For Romex Or BX (For Replace Non-Metallic (NM) Tubing/Sheathed Cable)	600.98	
26 01 20 99-0175		**Service Cable** *(26 01 20 99-0159)*		
26 01 20 99-0176		**Replace Service Cable** *(26 01 20 99-0175)*		
26 01 20 99-0177	MLF	Shut Off Power, Later Turn On (For Replace Service Cable)	12.53	
26 01 20 99-0178	MLF	Remove And Reinstall Cover Plate (For Replace Service Cable)	161.64	
26 01 20 99-0179	MLF	Remove Junction Box (For Replace Service Cable)	125.30	
26 01 20 99-0180	MLF	Remove #6 XLPE Wire (For Replace Service Cable)	250.60	
26 01 20 99-0181	MLF	Install New 600 Volt, Copper Type XLPE-USE (For Replace Service Cable)	3,010.78	
26 01 20 99-0182	MLF	Install New Staples For Service Cable (For Replace Service Cable)	635.05	
26 01 20 99-0183	MLF	Install New SER Cable Connectors (For Replace Service Cable)	517.51	
26 01 20 99-0184	MLF	Install New 4" Outlet Box Square (For Replace Service Cable)	536.03	
26 01 20 99-0185		**Cable, Armored** *(26 01 20 99-0159)*		
26 01 20 99-0186		**Replace Armored Cable** *(26 01 20 99-0185)*		
26 01 20 99-0187	MLF	Shut Off Power, Later Turn On (For Replace Armored Cable)	12.53	
26 01 20 99-0188	MLF	Remove And Reinstall Cover Plate (For Replace Armored Cable)	161.64	
26 01 20 99-0189	MLF	Remove Junction Box (For Replace Armored Cable)	125.30	
26 01 20 99-0190	MLF	Remove Armored Cable (For Replace Armored Cable)	1,656.46	
26 01 20 99-0191	MLF	Install New #12, 2 Wire, BX (For Replace Armored Cable)	4,841.80	
26 01 20 99-0192	MLF	Install New Staples, For Romex Or BX Cable (For Replace Armored Cable)	505.47	
26 01 20 99-0193	MLF	Install New Cable Connector (For Replace Armored Cable)	260.96	
26 01 20 99-0194	MLF	Install New 4" Outlet Box Square For Romex Or BX (For Replace Armored Cable)	600.98	
26 01 20 99-0195		**Branch Wiring With Junction Box** *(26 01 20 99-0159)*		
26 01 20 99-0196		**Replace Branch Wiring** *(26 01 20 99-0195)*		
26 01 20 99-0197	MLF	Shut Off Power, Later Turn On (For Replace Branch Wiring)	12.53	
26 01 20 99-0198	MLF	Remove And Reinstall Cover Plate (For Replace Branch Wiring)	161.64	
26 01 20 99-0199	MLF	Remove Junction Box (For Replace Branch Wiring)	125.30	
26 01 20 99-0200	MLF	Remove #12 Wire (For Replace Branch Wiring)	182.31	
26 01 20 99-0201	MLF	Install New #12 Copper, Stranded, Conductor (For Replace Branch Wiring)	1,490.96	
26 01 20 99-0202	MLF	Install New 4" Outlet Box Square (For Replace Branch Wiring)	536.03	
26 01 20 99-0203	MLF	Install New Wire Connectors (For Replace Branch Wiring)	130.43	
26 01 20 99-0204		**600 Volt Branch Wiring** *(26 01 20 99-0159)*		
26 01 20 99-0205		**Replace 600 Volt Branch Wiring** *(26 01 20 99-0204)*		
26 01 20 99-0206	MLF	Shut Off Power, Later Turn On (For Replace 600 Volt Branch Wiring)	12.53	
26 01 20 99-0207	MLF	Remove #12 Wire (For Replace 600 Volt Branch Wiring)	182.31	
26 01 20 99-0208	MLF	Install New #12 Copper, Stranded, Conductor (For Replace 600 Volt Branch Wiring)	1,490.96	
26 01 20 99-0209	MLF	Cut, Form And Align 4 Wires (For Replace 600 Volt Branch Wiring)	51.37	
26 01 20 99-0210	MLF	Splice, Solder, Insulate 2 Wires (For Replace 600 Volt Branch Wiring)	334.17	
26 01 20 99-0211		**Circuit Breaker** *(26 01 20 99-0159)*		
26 01 20 99-0212		**Maintenance And Repair, 480 Volt, 1 Pole Molded Case Circuit Breaker** *(26 01 20 99-0211)*		
26 01 20 99-0213	EA	Tighten Connections (For Maintenance And Repair, 480 Volt, 1 Pole Molded Case Circuit Breaker)	111.39	
26 01 20 99-0214		**Maintenance And Inspection, 480 Volt, 1 Pole Molded Case Circuit Breaker** *(26 01 20 99-0211)*		
26 01 20 99-0215	EA	Inspect, Tighten Circuit Breaker Wiring (For Maintenance And Inspection, 480 Volt, 1 Pole Molded Case Circuit Breaker)	50.12	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 20 99-0216		**Replace 480 Volt, 1 Pole Molded Case Circuit Breaker** *(26 01 20 99-0211)*		
26 01 20 99-0217	EA	Remove Circuit Breaker (For Replace 480 Volt, 1 Pole Molded Case Circuit Breaker)	43.60	
26 01 20 99-0218	EA	Install New 70 To 100 Amp Circuit Breaker (For Replace 480 Volt, 1 Pole Molded Case Circuit Breaker)	842.96	
26 01 20 99-0219	EA	Cut, Form, Align And Connect Wires (For Replace 480 Volt, 1 Pole Molded Case Circuit Breaker)	18.92	
26 01 20 99-0220	EA	Check Operation Of Breaker (For Replace 480 Volt, 1 Pole Molded Case Circuit Breaker)	2.26	
26 01 20 99-0221		**Maintenance And Repair, 480 Volt, 2 Pole Molded Case Circuit Breaker** *(26 01 20 99-0211)*		
26 01 20 99-0222	EA	Tighten Connections (For Maintenance And Repair, 480 Volt, 2 Pole Molded Case Circuit Breaker)	111.39	
26 01 20 99-0223		**Maintenance And Inspection, 480 Volt, 2 Pole Molded Case Circuit Breaker** *(26 01 20 99-0211)*		
26 01 20 99-0224	EA	Inspect, Tighten Circuit Breaker Wiring (For Maintenance And Inspection, 480 Volt, 2 Pole Molded Case Circuit Breaker)	50.12	
26 01 20 99-0225		**Replace 480 Volt, 2 Pole Molded Case Circuit Breaker** *(26 01 20 99-0211)*		
26 01 20 99-0226	EA	Remove Circuit Breaker (For Replace 480 Volt, 2 Pole Molded Case Circuit Breaker)	62.65	
26 01 20 99-0227	EA	Install New 70 To 100 Amp Circuit Breaker (For Replace 480 Volt, 2 Pole Molded Case Circuit Breaker)	1,183.32	
26 01 20 99-0228	EA	Cut, Form, Align And Connect Wires (For Replace 480 Volt, 2 Pole Molded Case Circuit Breaker)	18.92	
26 01 20 99-0229	EA	Check Operation Of Breaker (For Replace 480 Volt, 2 Pole Molded Case Circuit Breaker)	2.26	
26 01 20 99-0230		**Maintenance And Repair, 480 Volt, 3 Pole Molded Case Circuit Breaker** *(26 01 20 99-0211)*		
26 01 20 99-0231	EA	Tighten Connections (For Maintenance And Repair, 480 Volt, 3 Pole Molded Case Circuit Breaker)	111.39	
26 01 20 99-0232		**Maintenance And Inspection, 480 Volt, 3 Pole Molded Case Circuit Breaker** *(26 01 20 99-0211)*		
26 01 20 99-0233	EA	Inspect And Tighten Circuit Breaker Wiring (For Maintenance And Inspection, 480 Volt, 3 Pole Molded Case Circuit Breaker)	50.12	
26 01 20 99-0234		**Replace 480 Volt, 3 Pole Molded Case Circuit Breaker** *(26 01 20 99-0211)*		
26 01 20 99-0235	EA	Remove Circuit Breaker (For Replace 480 Volt, 3 Pole Molded Case Circuit Breaker)	62.65	
26 01 20 99-0236	EA	Install New 70 To 100 Amp Circuit Breaker (For Replace 480 Volt, 3 Pole Molded Case Circuit Breaker)	1,479.14	
26 01 20 99-0237	EA	Cut, Form, Align And Connect Wires (For Replace 480 Volt, 3 Pole Molded Case Circuit Breaker)	18.92	
26 01 20 99-0238	EA	Check Operation Of Breaker (For Replace 480 Volt, 3 Pole Molded Case Circuit Breaker)	2.26	
26 01 20 99-0239		**Replace 600 Volt, 2 Pole Molded Case Circuit Breaker Trip Switch** *(26 01 20 99-0211)*		
26 01 20 99-0240	EA	Remove Trip Switch (For Replace 600 Volt, 2 Pole Molded Case Circuit Breaker Trip Switch)	62.65	
26 01 20 99-0241	EA	Install New Trip Switch (For Replace 600 Volt, 2 Pole Molded Case Circuit Breaker Trip Switch)	400.25	
26 01 20 99-0242		**Maintenance And Inspection, 600 Volt, 2 Pole Molded Case Circuit Breaker** *(26 01 20 99-0211)*		
26 01 20 99-0243	EA	Inspect And Tighten Circuit Breaker Wiring (For Maintenance And Inspection, 600 Volt, 2 Pole Molded Case Circuit Breaker)	50.12	
26 01 20 99-0244		**Replace 600 Volt, 2 Pole Molded Case Circuit Breaker** *(26 01 20 99-0211)*		
26 01 20 99-0245	EA	Remove Circuit Breaker (For Replace 600 Volt, 2 Pole Molded Case Circuit Breaker)	62.65	
26 01 20 99-0246	EA	Install New 70 To 100 Amp Circuit Breaker (For Replace 600 Volt, 2 Pole Molded Case Circuit Breaker)	1,226.05	
26 01 20 99-0247	EA	Cut, Form, Align And Connect Wires (For Replace 600 Volt, 2 Pole Molded Case Circuit Breaker)	21.30	
26 01 20 99-0248	EA	Check Operation Of Breaker (For Replace 600 Volt, 2 Pole Molded Case Circuit Breaker)	2.26	
26 01 20 99-0249		**Replace 600 Volt, 3 Pole Molded Case Circuit Breaker Trip Switch** *(26 01 20 99-0211)*		
26 01 20 99-0250	EA	Remove Trip Switch (For Replace 600 Volt, 3 Pole Molded Case Circuit Breaker Trip Switch)	62.65	
26 01 20 99-0251	EA	Install New Trip Switch (For Replace 600 Volt, 3 Pole Molded Case Circuit Breaker Trip Switch)	400.25	
26 01 20 99-0252		**Maintenance And Inspection, 600 Volt, 3 Pole Molded Case Circuit Breaker** *(26 01 20 99-0211)*		
26 01 20 99-0253	EA	Inspect And Tighten Circuit Breaker Wiring (For Maintenance And Inspection, 600 Volt, 3 Pole Molded Case Circuit Breaker)	50.12	
26 01 20 99-0254		**Replace 600 Volt, 3 Pole Molded Case Circuit Breaker** *(26 01 20 99-0211)*		
26 01 20 99-0255	EA	Remove Circuit Breaker (For Replace 600 Volt, 3 Pole Molded Case Circuit Breaker)	111.39	
26 01 20 99-0256	EA	Install New 125 To 400 Amp Circuit Breaker (For Replace 600 Volt, 3 Pole Molded Case Circuit Breaker)	5,082.89	
26 01 20 99-0257	EA	Cut, Form, Align And Connect Wires (For Replace 600 Volt, 3 Pole Molded Case Circuit Breaker)	21.30	
26 01 20 99-0258	EA	Check Operation Of Breaker (For Replace 600 Volt, 3 Pole Molded Case Circuit Breaker)	2.26	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 20 99-0259		Maintenance And Repair, 240 Volt, 1 Pole Circuit Breaker Enclosed *(26 01 20 99-0211)*		
26 01 20 99-0260	EA	Tighten Connections (For Maintenance And Repair, 240 Volt, 1 Pole Enclosed Circuit Breaker)	111.39	
26 01 20 99-0261		Maintenance And Inspection, 240 Volt, 1 Pole Circuit Breaker Enclosed *(26 01 20 99-0211)*		
26 01 20 99-0262	EA	Inspect And Tighten Circuit Breaker Wiring (For Maintenance And Inspection, 240 Volt, 1 Pole Enclosed Circuit Breaker)	50.12	
26 01 20 99-0263		Replace 240 Volt, 1 Pole Circuit Breaker Enclosed *(26 01 20 99-0211)*		
26 01 20 99-0264	EA	Remove Circuit Breaker (For Replace 240 Volt, 1 Pole Circuit Breaker Enclosed)	62.65	
26 01 20 99-0265	EA	Install New 240 Volt, 1 Pole, 15 To 60 Amp, Circuit Breaker Enclosed (For Replace 240 Volt, 1 Pole Circuit Breaker Enclosed)	538.31	
26 01 20 99-0266	EA	Cut, Form, Align And Connect Wires (For Replace 240 Volt, 1 Pole Circuit Breaker Enclosed)	18.92	
26 01 20 99-0267	EA	Check Operation Of Breaker (For Replace 240 Volt, 1 Pole Circuit Breaker Enclosed)	2.26	
26 01 20 99-0268		Maintenance And Repair, 240 Volt, 2 Pole Circuit Breaker Enclosed *(26 01 20 99-0211)*		
26 01 20 99-0269	EA	Tighten Connections (For Maintenance And Repair, 240 Volt, 2 Pole Circuit Breaker Enclosed)	111.39	
26 01 20 99-0270		Maintenance And Inspection, 240 Volt, 2 Pole Circuit Breaker Enclosed *(26 01 20 99-0211)*		
26 01 20 99-0271	EA	Inspect And Tighten Circuit Breaker Wiring (For Maintenance And Inspection, 240 Volt, 2 Pole Circuit Breaker Enclosed)	50.12	
26 01 20 99-0272		Replace 240 Volt, 2 Pole Circuit Breaker Enclosed *(26 01 20 99-0211)*		
26 01 20 99-0273	EA	Remove Circuit Breaker (For Replace 240 Volt, 2 Pole Circuit Breaker Enclosed)	62.65	
26 01 20 99-0274	EA	Install New Circuit Breaker Enclosed, 240 Volt, 15 To 60 Amp, 2 Pole (For Replace 240 Volt, 2 Pole Circuit Breaker Enclosed)	896.43	
26 01 20 99-0275	EA	Cut, Form, Align And Connect Wires (For Replace 240 Volt, 2 Pole Circuit Breaker Enclosed)	18.92	
26 01 20 99-0276	EA	Check Operation Of Breaker (For Replace 240 Volt, 2 Pole Circuit Breaker Enclosed)	2.26	
26 01 20 99-0277		Maintenance And Repair, 240 Volt, 3 Pole Circuit Breaker Enclosed *(26 01 20 99-0211)*		
26 01 20 99-0278	EA	Tighten Connections (For Maintenance And Repair, 240 Volt, 3 Pole Circuit Breaker Enclosed)	111.39	
26 01 20 99-0279		Maintenance And Inspection, 240 Volt, 3 Pole Circuit Breaker Enclosed *(26 01 20 99-0211)*		
26 01 20 99-0280	EA	Inspect And Tighten Circuit Breaker Wiring (For Maintenance And Inspection, 240 Volt, 3 Pole Circuit Breaker Enclosed)	50.12	
26 01 20 99-0281		Replace 240 Volt, 3 Pole Circuit Breaker Enclosed *(26 01 20 99-0211)*		
26 01 20 99-0282	EA	Remove Circuit Breaker (For Replace 240 Volt, 3 Pole Circuit Breaker Enclosed)	62.65	
26 01 20 99-0283	EA	Install New Circuit Breaker Enclosed, 240 Volt, 15 To 60 Amp, 3 Pole (For Replace 240 Volt, 3 Pole Circuit Breaker Enclosed)	954.23	
26 01 20 99-0284	EA	Cut, Form, Align And Connect Wires (For Replace 240 Volt, 3 Pole Circuit Breaker Enclosed)	18.92	
26 01 20 99-0285	EA	Check Operation Of Breaker (For Replace 240 Volt, 3 Pole Circuit Breaker Enclosed)	2.26	
26 01 20 99-0286		Repair Failed 600 Volt, 2 Pole Circuit Breaker Enclosed *(26 01 20 99-0211)*		
26 01 20 99-0287	EA	Repair Circuit Breaker Component (For Repair Failed 600 Volt, 2 Pole Circuit Breaker Enclosed)	865.82	
26 01 20 99-0288		Maintenance And Inspection, 600 Volt, 2 Pole Circuit Breaker Enclosed *(26 01 20 99-0211)*		
26 01 20 99-0289	EA	Inspect And Tighten Circuit Breaker Wiring (For Maintenance And Inspection, 600 Volt, 2 Pole Circuit Breaker Enclosed)	50.12	
26 01 20 99-0290		Replace 600 Volt, 2 Pole Circuit Breaker Enclosed *(26 01 20 99-0211)*		
26 01 20 99-0291	EA	Remove Circuit Breaker, 600 Volt, 100 Amp, 2 Pole (For Replace 600 Volt, 2 Pole Circuit Breaker Enclosed)	100.24	
26 01 20 99-0292	EA	Install New Circuit Breaker Enclosed, 600 Volt, 100 Amp, 2 Pole (For Replace 600 Volt, 2 Pole Circuit Breaker Enclosed)	1,426.53	
26 01 20 99-0293	EA	Cut, Form, Align And Connect Wires (For Replace 600 Volt, 2 Pole Circuit Breaker Enclosed)	21.30	
26 01 20 99-0294	EA	Check Operation Of Breaker (For Replace 600 Volt, 2 Pole Circuit Breaker Enclosed)	2.26	
26 01 20 99-0295		Repair Failed 600 Volt, 3 Pole Circuit Breaker Enclosed *(26 01 20 99-0211)*		
26 01 20 99-0296	EA	Repair Circuit Breaker Component (For Replace 600 Volt, 3 Pole Circuit Breaker Enclosed)	1,241.12	
26 01 20 99-0297		Maintenance And Inspection, 600 Volt, 3 Pole Circuit Breaker Enclosed *(26 01 20 99-0211)*		
26 01 20 99-0298	EA	Inspect And Tighten Circuit Breaker Wiring (For Maintenance And Inspection, 600 Volt, 3 Pole Circuit Breaker Enclosed)	50.12	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 20 99-0299		**Replace 600 Volt, 3 Pole 100 Amp Circuit Breaker Enclosed** *(26 01 20 99-0211)*		
26 01 20 99-0300	EA	Remove Circuit Breaker (For Replace 600 Volt, 3 Pole 100 Amp Circuit Breaker Enclosed)	111.39	
26 01 20 99-0301	EA	Install New Circuit Breaker Enclosed, 600 Volt, 100 Amp, 3 Pole (For Replace 600 Volt, 3 Pole 100 Amp Circuit Breaker Enclosed)	1,130.19	
26 01 20 99-0302	EA	Cut, Form, Align And Connect Wires (For Replace 600 Volt, 3 Pole 100 Amp Circuit Breaker Enclosed)	21.30	
26 01 20 99-0303	EA	Check Operation Of Breaker (For Replace 600 Volt, 3 Pole 100 Amp Circuit Breaker Enclosed)	2.26	
26 01 20 99-0304		**Replace 600 Volt, 3 Pole 800 Amp, Circuit Breaker Enclosed** *(26 01 20 99-0211)*		
26 01 20 99-0305	EA	Remove Circuit Breaker (For Replace 600 Volt, 3 Pole 800 Amp, Circuit Breaker Enclosed)	556.83	
26 01 20 99-0306	EA	Install New Circuit Breaker Enclosed, 600 Volt, 800 Amp, 3 Pole (For Replace 600 Volt, 3 Pole 800 Amp, Circuit Breaker Enclosed)	11,426.93	
26 01 20 99-0307	EA	Cut, Form, Align And Connect Wires (For Replace 600 Volt, 3 Pole 800 Amp, Circuit Breaker Enclosed)	42.60	
26 01 20 99-0308	EA	Check Operation Of Breaker (For Replace 600 Volt, 3 Pole 800 Amp, Circuit Breaker Enclosed)	4.64	
26 01 20 99-0309		**Replace 600 Volt, 3 Pole 1000 Amp Circuit Breaker Enclosed** *(26 01 20 99-0211)*		
26 01 20 99-0310	EA	Remove Circuit Breaker (For Replace 600 Volt, 3 Pole 1,000 Amp Circuit Breaker Enclosed)	646.67	
26 01 20 99-0311	EA	Install New Circuit Breaker Enclosed, 600 Volt, 1,000 Amp, 3 Pole (For Replace 600 Volt, 3 Pole 1,000 Amp Circuit Breaker Enclosed)	20,227.31	
26 01 20 99-0312	EA	Cut, Form, Align And Connect Wires (For Replace 600 Volt, 3 Pole 1,000 Amp Circuit Breaker Enclosed)	64.65	
26 01 20 99-0313	EA	Check Operation Of Breaker (For Replace 600 Volt, 3 Pole 1,000 Amp Circuit Breaker Enclosed)	6.89	
26 01 20 99-0314		**Replace 600 Volt, 3 Pole 1600 Amp Circuit Breaker Enclosed** *(26 01 20 99-0211)*		
26 01 20 99-0315	EA	Remove Circuit Breaker (For Replace 600 Volt, 3 Pole 1,600 Amp Circuit Breaker Enclosed)	715.96	
26 01 20 99-0316	EA	Install New Circuit Breaker Enclosed, 600 Volt, 1,600 Amp, 3 Pole (For Replace 600 Volt, 3 Pole 1,600 Amp Circuit Breaker Enclosed)	23,723.09	
26 01 20 99-0317	EA	Cut, Form, Align And Connect Wires (For Replace 600 Volt, 3 Pole 1,600 Amp Circuit Breaker Enclosed)	85.33	
26 01 20 99-0318	EA	Check Operation Of Breaker (For Replace 600 Volt, 3 Pole 1,600 Amp Circuit Breaker Enclosed)	9.15	
26 01 20 99-0319		**Replace 600 Volt, 3 Pole 2000 Amp Circuit Breaker Enclosed** *(26 01 20 99-0211)*		
26 01 20 99-0320	EA	Remove Circuit Breaker (For Replace 600 Volt, 3 Pole 2,000 Amp Circuit Breaker Enclosed)	801.92	
26 01 20 99-0321	EA	Install New Circuit Breaker Enclosed, 600 Volt, 2,000 Amp, 3 Pole (For Replace 600 Volt, 3 Pole 2,000 Amp Circuit Breaker Enclosed)	29,946.82	
26 01 20 99-0322	EA	Cut, Form, Align And Connect Wires (For Replace 600 Volt, 3 Pole 2,000 Amp Circuit Breaker Enclosed)	177.67	
26 01 20 99-0323	EA	Check Operation Of Breaker (For Replace 600 Volt, 3 Pole 2,000 Amp Circuit Breaker Enclosed)	19.17	
26 01 20 99-0324		**Safety Switch, Heavy-Duty** *(26 01 20 99-0159)*		
26 01 20 99-0325		**Maintenance And Repair, 3 Pole Heavy-Duty Safety Switch** *(26 01 20 99-0324)*		
26 01 20 99-0326	EA	Resecure Lugs (For Maintenance And Repair, 3 Pole Heavy-Duty Safety Switch)	62.65	
26 01 20 99-0327		**Maintenance And Inspection, 3 Pole Safety Switch** *(26 01 20 99-0324)*		
26 01 20 99-0328	EA	Inspect And Clean Safety Switch (For Maintenance And Inspection, 3 Pole Safety Switch)	62.65	
26 01 20 99-0329		**Replace 30 Amp Heavy-Duty Safety Switch** *(26 01 20 99-0324)*		
26 01 20 99-0330	EA	Remove Safety Switch (For Replace 30 Amp Heavy-Duty Safety Switch)	81.44	
26 01 20 99-0331	EA	Install New Fused Safety Switch, Heavy-Duty, 600 Volt, 3 Pole, 30 Amp (For Replace 30 Amp Heavy Duty Safety Switch)	558.96	
26 01 20 99-0332	EA	Install New Fuses (For Replace 30 Amp Heavy-Duty Safety Switch)	214.59	
26 01 20 99-0333	EA	Check Operation Of Switch (For Replace 30 Amp Heavy-Duty Safety Switch)	2.26	
26 01 20 99-0334		**Replace 100 Amp Heavy-Duty Safety Switch** *(26 01 20 99-0324)*		
26 01 20 99-0335	EA	Remove Safety Switch (For Replace 100 Amp Heavy-Duty Safety Switch)	137.33	
26 01 20 99-0336	EA	Install New Fused Safety Switch, Heavy-Duty, 600 Volt, 3 Pole, 100 Amp (For Replace 100 Amp Heavy Duty Safety Switch)	1,008.38	
26 01 20 99-0337	EA	Install New Fuses (For Replace 100 Amp Heavy-Duty Safety Switch)	360.79	
26 01 20 99-0338	EA	Check Operation Of Switch (For Replace 100 Amp Heavy-Duty Safety Switch)	2.26	
26 01 20 99-0339		**Replace 200 Amp Heavy-Duty Safety Switch** *(26 01 20 99-0324)*		
26 01 20 99-0340	EA	Remove Safety Switch (For Replace 200 Amp Heavy-Duty Safety Switch)	200.48	
26 01 20 99-0341	EA	Install New Fused Safety Switch, Heavy-Duty, 600 Volt, 3 Pole, 200 Amp (For Replace 200 Amp Heavy Duty Safety Switch)	1,540.27	
26 01 20 99-0342	EA	Install New Fuses (For Replace 200 Amp Heavy-Duty Safety Switch)	638.66	
26 01 20 99-0343	EA	Check Operation Of Switch (For Replace 200 Amp Heavy-Duty Safety Switch)	2.26	
26 01 20 99-0344		**Replace 400 Amp Heavy-Duty Safety Switch** *(26 01 20 99-0324)*		
26 01 20 99-0345	EA	Remove Safety Switch (For Replace 400 Amp Heavy-Duty Safety Switch)	294.83	
26 01 20 99-0346	EA	Install New Fused Safety Switch, Heavy-Duty, 600 Volt, 3 Pole, 400 Amp (For Replace 400 Amp Heavy Duty Safety Switch)	2,876.49	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 20 99-0347	EA	Install New Fuses (For Replace 400 Amp Heavy-Duty Safety Switch)	1,311.11	
26 01 20 99-0348	EA	Check Operation Of Switch (For Replace 400 Amp Heavy-Duty Safety Switch)	4.64	
26 01 20 99-0349		**Replace 600 Amp Heavy-Duty Safety Switch** *(26 01 20 99-0324)*		
26 01 20 99-0350	EA	Remove Safety Switch (For Replace 600 Amp Heavy-Duty Safety Switch)	435.79	
26 01 20 99-0351	EA	Install New Fused Safety Switch, Heavy-Duty, 600 Volt, 3 Pole, 600 Amp (For Replace 600 Amp Heavy Duty Safety Switch)	5,196.01	
26 01 20 99-0352	EA	Install New Fuses (For Replace 600 Amp Heavy-Duty Safety Switch)	1,640.64	
26 01 20 99-0353	EA	Check Operation Of Switch (For Replace 600 Amp Heavy-Duty Safety Switch)	4.64	
26 01 20 99-0354		**Safety Switch, General Duty** *(26 01 20 99-0159)*		
26 01 20 99-0355		**Maintenance And Repair, 2 Pole General Safety Switch** *(26 01 20 99-0354)*		
26 01 20 99-0356	EA	Resecure Lugs (For Maintenance And Repair, 2 Pole General Safety Switch)	62.65	
26 01 20 99-0357		**Maintenance And Inspection, 2 Pole Safety Switch** *(26 01 20 99-0354)*		
26 01 20 99-0358	EA	Inspect And Clean Safety Switch (For Maintenance And Inspection, 2 Pole Safety Switch)	62.65	
26 01 20 99-0359		**Replace 240 Volt, 2 Pole Safety Switch** *(26 01 20 99-0354)*		
26 01 20 99-0360	EA	Remove Safety Switch (For Replace 240 Volt, 2 Pole Safety Switch)	81.44	
26 01 20 99-0361	EA	Install New Fused Safety Switch, General Duty, 240 Volt, 2 Pole, 30 Amp (For Replace 240 Volt, 2 Pole Safety Switch)	400.23	
26 01 20 99-0362	EA	Install New Fuse, Dual Element, Time Delay, 250 Volt, 30 Amp (For Replace 240 Volt, 2 Pole Safety Switch)	67.77	
26 01 20 99-0363	EA	Cut, Form, Align And Connect Wires (For Replace 240 Volt, 2 Pole Safety Switch)	18.92	
26 01 20 99-0364	EA	Check Operation Of Switch (For Replace 240 Volt, 2 Pole Safety Switch)	2.26	
26 01 20 99-0365		**Maintenance And Repair, 3 Pole General Safety Switch** *(26 01 20 99-0354)*		
26 01 20 99-0366	EA	Resecure Lugs (For Maintenance And Repair, 3 Pole General Safety Switch)	62.65	
26 01 20 99-0367		**Maintenance And Inspection, 3 Pole Safety Switch** *(26 01 20 99-0354)*		
26 01 20 99-0368	EA	Inspect And Clean Safety Switch (For Maintenance And Inspection, 3 Pole Safety Switch)	62.65	
26 01 20 99-0369		**Replace 240 Volt, 3 Pole Safety Switch** *(26 01 20 99-0354)*		
26 01 20 99-0370	EA	Remove Safety Switch (For Replace 240 Volt, 3 Pole Safety Switch)	81.44	
26 01 20 99-0371	EA	Install New Fused Safety Switch, General Duty, 240 Volt, 3 Pole, 30 Amp (For Replace 240 Volt, 3 Pole Safety Switch)	461.74	
26 01 20 99-0372	EA	Install New Fuse, Dual Element, Time Delay, 250 Volt, 30 Amp (For Replace 240 Volt, 3 Pole Safety Switch)	101.64	
26 01 20 99-0373	EA	Cut, Form, Align And Connect Wires (For Replace 240 Volt, 3 Pole Safety Switch)	18.92	
26 01 20 99-0374	EA	Check Operation Of Switch (For Replace 240 Volt, 3 Pole Safety Switch)	2.26	
26 01 20 99-0375		**Replace Low Voltage Cartridge** *(26 01 20 99-0354)*		
26 01 20 99-0376	EA	Remove Cartridge Fuse Cutouts (For Replace Low Voltage Cartridge)	12.53	
26 01 20 99-0377	EA	Install New Cartridge Fuse Cutouts 3 Pole (For Replace Low Voltage Cartridge)	62.14	
26 01 20 99-0378		**Replace Plug Fuse** *(26 01 20 99-0354)*		
26 01 20 99-0379	EA	Remove Plug Fuse (For Replace Plug Fuse)	10.02	
26 01 20 99-0380	EA	Install New Plug Fuse, 120 Volt, 15 To 30 Amp (For Replace Plug Fuse)	25.44	
26 01 20 99-0381		**Receptacles And Plugs** *(26 01 20 99-0159)*		
26 01 20 99-0382		**Maintenance And Repair, Receptacles And Plugs** *(26 01 20 99-0381)*		
26 01 20 99-0383	EA	Repair Receptacle Component (Cover) (For Maintenance And Repair, Receptacles And Plugs)	64.43	
26 01 20 99-0384		**Replace Receptacle/Plug, Receptacles And Plugs** *(26 01 20 99-0381)*		
26 01 20 99-0385	EA	Turn Power Off, Later Turn On (For Replace Receptacle/Plug, Receptacles And Plugs)	12.53	
26 01 20 99-0386	EA	Remove And Reinstall Cover Plates (For Replace Receptacle/Plug, Receptacles And Plugs)	21.30	
26 01 20 99-0387	EA	Remove Receptacle (For Replace Receptacle/Plug, Receptacles And Plugs)	5.01	
26 01 20 99-0388	EA	Install New Receptacle (For Replace Receptacle/Plug, Receptacles And Plugs)	61.54	
26 01 20 99-0389	EA	Cut, Form, Align And Connect Wires (For Replace Receptacle/Plug, Receptacles And Plugs)	3.26	
26 01 20 99-0390	EA	Test For Operation, Receptacle (For Replace Receptacle/Plug, Receptacles And Plugs)	1.88	
26 01 20 99-0391		**4-Pin Receptacle** *(26 01 20 99-0159)*		
26 01 20 99-0392		**Repair 4-Pin Receptacle Cover** *(26 01 20 99-0391)*		
26 01 20 99-0393	EA	Repair Receptacle(Cover) (For Repair 4-Pin Receptacle Cover)	85.98	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 20 99-0394		**Replace 4-Pin Receptacle** *(26 01 20 99-0391)*		
26 01 20 99-0395	EA	Remove 4-Pin Receptacle (For Replace 4-Pin Receptacle)	25.06	
26 01 20 99-0396	EA	Install New 4-Pin Locking Receptacle (For Replace 4-Pin Receptacle)	167.33	
26 01 20 99-0397		**Contactors And Relays** *(26 01 20 99-0159)*		
26 01 20 99-0398		**Maintenance And Repair, Contactors And Relays** *(26 01 20 99-0397)*		
26 01 20 99-0399	EA	Remove Contactor Coil (For Maintenance And Repair, Contactors And Relays)	75.43	
26 01 20 99-0400	EA	Install New Contactor Coil (For Maintenance And Repair, Contactors And Relays)	293.33	
26 01 20 99-0401		**Maintenance And Inspection, Contactors And Relays** *(26 01 20 99-0397)*		
26 01 20 99-0402	EA	Inspect And Clean Contacts (For Maintenance And Inspection, Contactors And Relays)	31.32	
26 01 20 99-0403		**Replace Contactor, Contactors And Relays** *(26 01 20 99-0397)*		
26 01 20 99-0404	EA	Remove Magnetic Contactor (For Replace Contactor, Contactors And Relays)	100.24	
26 01 20 99-0405	EA	Install New Magnetic Contactor 600 Volt, 3 P, 25 HP (For Replace Contactor, Contactors And Relays)	1,007.20	
26 01 20 99-0406	EA	Cut, Form, Align And Connect Wires (For Replace Contactor, Contactors And Relays)	18.92	
26 01 20 99-0407	EA	Check Operation Of Contactor (For Replace Contactor, Contactors And Relays)	2.26	
26 01 20 99-0408		**Wiring Devices, Switches** *(26 01 20 99-0159)*		
26 01 20 99-0409		**Maintenance And Repair, Wiring Devices, Switches** *(26 01 20 99-0408)*		
26 01 20 99-0410	EA	Repair Switch Component (Cover) (For Maintenance And Repair, Wiring Devices, Switches)	64.43	
26 01 20 99-0411		**Replace Switch, Wiring Devices, Switches** *(26 01 20 99-0408)*		
26 01 20 99-0412	EA	Turn Power Off, Later Turn On (For Replace Switch, Wiring Devices, Switches)	12.53	
26 01 20 99-0413	EA	Remove And Reinstall Cover Plates (For Replace Switch, Wiring Devices, Switches)	21.30	
26 01 20 99-0414	EA	Remove Switch (For Replace Switch, Wiring Devices, Switches)	5.01	
26 01 20 99-0415	EA	Install New Switch (For Replace Switch, Wiring Devices, Switches)	52.71	
26 01 20 99-0416	EA	Cut, Form, Align And Connect Wires (For Replace Switch, Wiring Devices, Switches)	3.26	
26 01 20 99-0417	EA	Test For Operation (For Replace Switch, Wiring Devices, Switches)	1.88	
26 01 20 99-0418		**Light Dimming Panel** *(26 01 20 99-0159)*		
26 01 20 99-0419		**Minor Repairs To Light Dimming Panel** *(26 01 20 99-0418)*		
26 01 20 99-0420	EA	Check And Test Components (For Minor Repairs To Light Dimming Panel)	50.12	
26 01 20 99-0421	EA	Remove Dimming Panel Component (For Minor Repairs To Light Dimming Panel)	27.82	
26 01 20 99-0422	EA	Install New Dimming Panel Component (For Minor Repairs To Light Dimming Panel)	183.99	
26 01 20 99-0423		**Maintenance And Inspection, Light Dimming Panel** *(26 01 20 99-0418)*		
26 01 20 99-0424	EA	Check Light Dimming Panel (For Maintenance And Inspection, Light Dimming Panel)	66.78	
26 01 20 99-0425		**Replace Light Dimming Panel** *(26 01 20 99-0418)*		
26 01 20 99-0426	EA	Turn Power Off, Later Turn On (For Replace Light Dimming Panel)	12.53	
26 01 20 99-0427	EA	Remove Dimming Panel (For Replace Light Dimming Panel)	200.48	
26 01 20 99-0428	EA	Install New Dimming Panel (For Replace Light Dimming Panel)	2,049.33	
26 01 20 99-0429	EA	Test Circuits (For Replace Light Dimming Panel)	9.15	
26 01 20 99-0430		**Switch, Pull Cord** *(26 01 20 99-0159)*		
26 01 20 99-0431		**Maintenance And Repair, Switch, Pull Cord** *(26 01 20 99-0430)*		
26 01 20 99-0432	EA	Repair Switch Component (Cover) (For Maintenance And Repair, Switch, Pull Cord)	64.61	
26 01 20 99-0433		**Replace Switch, Switch, Pull Cord** *(26 01 20 99-0430)*		
26 01 20 99-0434	EA	Turn Power Off, Later Turn On (For Replace Switch, Switch, Pull Cord)	12.53	
26 01 20 99-0435	EA	Remove And Reinstall Cover Plates (For Replace Switch, Switch, Pull Cord)	21.30	
26 01 20 99-0436	EA	Remove Switch (For Replace Switch, Switch, Pull Cord)	5.01	
26 01 20 99-0437	EA	Install New Pull Cord Switch (For Replace Switch, Switch, Pull Cord)	61.60	
26 01 20 99-0438	EA	Cut, Form, Align And Connect Wires (For Replace Switch, Switch, Pull Cord)	3.26	
26 01 20 99-0439	EA	Test For Operation (For Replace Switch, Switch, Pull Cord)	1.88	
26 01 20 99-0440		**EMT Conduit** *(26 01 20 99-0159)*		
26 01 20 99-0441		**Replace 1" EMT Conduit** *(26 01 20 99-0440)*		
26 01 20 99-0442	MLF	Remove And Reinstall Cover Plate (For Replace 1" EMT Conduit)	161.64	
26 01 20 99-0443	MLF	Remove Conduit With Fittings And Hangers (For Replace 1" EMT Conduit)	2,543.58	
26 01 20 99-0444	MLF	Remove Junction Box (For Replace 1" EMT Conduit)	125.30	
26 01 20 99-0445	MLF	Install New 1" EMT With Couplings (For Replace 1" EMT Conduit)	7,807.58	
26 01 20 99-0446	MLF	Install New Outlet Box Square (For Replace 1" EMT Conduit)	536.03	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 20 99-0447	MLF	Install New Box Connector (For Replace 1" EMT Conduit)	152.95	
26 01 20 99-0448	MLF	Install New Beam Clamp (For Replace 1" EMT Conduit)	1,285.64	
26 01 20 99-0449	MLF	Install New Conduit Hanger (For Replace 1" EMT Conduit)	2,087.51	

26 01 20 99-0450 Electrical Service & Distribution Preventative Maintenance *(26 01 20 99)*

Note: Includes all required small tools and equipment.

26 01 20 99-0451 Electrical Switchboard Preventative Maintenance *(26 01 20 99-0450)*

26 01 20 99-0452	EA	Annual Preventative Maintenance For Electrical Switchboard Note: 1. Check With Operating Or Area Personnel For Deficiencies. 2. Check Indicating Lamps For Proper Operation, If Appropriate; Replace Burned Out Lamps. 3. Remove And Reinstall Cover. 4. Check For Discolorations, Hot Spots, Odors And Charred Insulation. 5. Clean Switchboard Exterior And Surrounding Area. 6. Fill Out Maintenance Checklist And Report Deficiencies.	92.09	

26 01 20 99-0453 Switchboard With Air Circuit Breaker Preventative Maintenance *(26 01 20 99-0450)*

26 01 20 99-0454	EA	Annual Preventative Maintenance For Switchboard With Air Circuit Breaker Note: 1. Check With Operating Or Area Personnel For Deficiencies. 2. Check Indicating Lamps For Proper Operation, If Appropriate; Replace Burned Out Lamps. 3. Remove Switchboard From Service, Coordinate With Appropriate Authority. 4. Remove And Reinstall Cover. 5. Check For Discolorations, Hot Spots, Odors And Charred Insulation. 6. Check The Records On The Circuit Breaker For Any Full Current Rated Trips Which May Indicate A Potential Problem. 7. Examine The Exterior Of The Switchboard For Any Damage Or Moisture. 8. Check Operation Of Circuit Breaker Tripping Mechanism And Relays. 9. Check The Operation Of The Circuit Breaker Charging Motor. 10. Check Hardware For Tightness. 11. Check Interlock For Proper Operation. 12. Check That The Charger Is Operating Properly. 13. Check For Any Signs Of Corrosion On The Battery Terminals Or Wires. 14. Check The Electrolyte Level In The Batteries; Add As Required. 15. Check The Specific Gravity Of The Electrolyte In A 10% Sample Of The Batteries. 16. Check 25% Of Terminal-To-Cell Connection Resistance; Rehabilitate Connections As Required. 17. Apply Anti-Corrosion Grease To Battery Terminals And Connections. 18. Measure And Record Individual Cell And String Float Voltages. 19. Place Switchboard Back In Service, Notify Appropriate Authority. 20. Clean Switchboard, Charger And The Surrounding Area. 21. Fill Out Maintenance Checklist And Report Deficiencies.	588.14	

26 01 20 99-0455 Switchboard With Air Circuit Breaker And Tie Switch Preventative Maintenance *(26 01 20 99-0450)*

26 01 20 99-0456	EA	Annual Preventative Maintenance For Switchboard With Air Circuit Breaker And Tie Switch Note: 1. Check With Operating Or Area Personnel For Deficiencies. 2. Check Indicating Lamps For Proper Operation, If Appropriate; Replace Burned Out Lamps. 3. Remove Switchboard From Service, Coordinate With Appropriate Authority. 4. Remove And Reinstall Cover. 5. Check For Discolorations, Hot Spots, Odors And Charred Insulation. 6. Check The Records On The Circuit Breaker For Any Full Current Rated Trips Which May Indicate A Potential Problem. 7. Examine The Exterior Of The Switchboard For Any Damage Or Moisture. 8. Check Operation Of Circuit Breaker Tripping Mechanism And Relays. 9. Check The Operation Of The Circuit Breaker Charging Motor. 10. Check Hardware For Tightness. 11. Check Interlock For Proper Operation. 12. Operate The Switching Handle And Check The Locking Mechanism. 13. Check That The Charger Is Operating Properly. 14. Check For Any Signs Of Corrosion On The Battery Terminals Or Wires. 15. Check The Electrolyte Level In The Batteries; Add As Required. 16. Check The Specific Gravity Of The Electrolyte In A 10% Sample Of The Batteries. 17. Check 25% Of Terminal-To-Cell Connection Resistance; Rehabilitate Connections As Required. 18. Apply Anti-Corrosion Grease To Battery Terminals And Connections. 19. Measure And Record Individual Cell And String Float Voltages. 20. Place Switchboard Back In Service, Notify Appropriate Authority. 21. Clean Switchboard, Charger And The Surrounding Area. 22. Fill Out Maintenance Checklist And Report Deficiencies.	597.40	

26 01 20 99-0457 225 Amps And Above, Panel Board Preventative Maintenance *(26 01 20 99-0450)*

26 01 20 99-0458	EA	Annual Preventative Maintenance For 225 Amperes And Above, Panel Board Note: 1. Check With Operating Or Area Personnel For Deficiencies. 2. Check For Excessive Heat, Odors, Noise And Vibration. 3. Check General Condition Of Panel; Replace Lamps As Required. 4. Clean Panel. 5. Fill Out Maintenance Checklist And Report Deficiencies.	83.23	

26 01 20 99-0459 400 Amps And Above, Motor Control Center Preventative Maintenance *(26 01 20 99-0450)*

26 01 20 99-0460	EA	Annual Preventative Maintenance For 400 Amps And Above, Motor Control Center Note: 1. Check With Operating Or Area Personnel For Deficiencies. 2. Check Starter Lights; Install New Lights If Required. 3. Check For Excessive Heat, Odors, Noise And Vibration. 4. Check Motor Control Center Exterior And Surrounding Area. 5. Fill Out Maintenance Checklist And Report Deficiencies.	82.84	

26 01 26 Maintenance Testing of Electrical Systems *(26 01)*

26 01 26 00-0001 TTR Maintenance Testing Or Meggar Maintenance Testing of Transformers *(26 01 26)*

Note: Includes all required small tools and equipment. Use other MRO tasks required to remove equipment cover.

26 01 26 00-0002 TTR Maintenance Testing Or Meggar Maintenance Testing of Transformers, Not Connected *(26 01 26 00-0001)*

26 01 26 00-0003	EA	TTR Or Megger Maintenance Testing Of Up To 15 KVA, Single Phase Transformer, Not Connected	31.52	
26 01 26 00-0004	EA	TTR Or Megger Maintenance Testing Of >15 To 50 KVA, Single Phase Transformer, Not Connected	52.53	
26 01 26 00-0005	EA	TTR Or Megger Maintenance Testing Of 75 KVA, Single Phase Transformer, Not Connected	73.54	
26 01 26 00-0006	EA	TTR Or Megger Maintenance Testing Of 100 KVA, Single Phase Transformer, Not Connected	94.55	
26 01 26 00-0007	EA	TTR Or Megger Maintenance Testing Of 150 KVA, Single Phase Transformer, Not Connected	115.57	
26 01 26 00-0008	EA	TTR Or Megger Maintenance Testing Of 167 KVA, Single Phase Transformer, Not Connected	136.57	
26 01 26 00-0009	EA	TTR Or Megger Maintenance Testing Of 200 KVA, Single Phase Transformer, Not Connected	147.08	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 26 00-0010	EA	TTR Or Megger Maintenance Testing Of 250 KVA, Single Phase Transformer, Not Connected	157.58	
26 01 26 00-0011	EA	TTR Or Megger Maintenance Testing Of Up To 15 KVA, Three Phase Transformer, Not Connected	52.53	
26 01 26 00-0012	EA	TTR Or Megger Maintenance Testing Of >15 To 45 KVA, Three Phase Transformer, Not Connected	73.54	
26 01 26 00-0013	EA	TTR Or Megger Maintenance Testing Of 75 KVA, Three Phase Transformer, Not Connected	94.55	
26 01 26 00-0014	EA	TTR Or Megger Maintenance Testing Of 112.5 KVA, Three Phase Transformer, Not Connected	105.05	
26 01 26 00-0015	EA	TTR Or Megger Maintenance Testing Of 150 KVA, Three Phase Transformer, Not Connected	147.08	
26 01 26 00-0016	EA	TTR Or Megger Maintenance Testing Of 225 KVA, Three Phase Transformer, Not Connected	168.09	
26 01 26 00-0017	EA	TTR Or Megger Testing Of 300 KVA, Three Phase Transformer, Not Connected	189.10	

26 01 26 00-0018 TTR Maintenance Testing Or Meggar Maintenance Testing of Transformers, Connected *(26 01 26 00-0001)*

26 01 26 00-0019	EA	TTR Or Megger Maintenance Testing Of Up To 15 KVA, Single Phase Transformer, Connected	52.53	
26 01 26 00-0020	EA	TTR Or Megger Maintenance Testing Of >15 To 50 KVA, Single Phase Transformer, Connected	73.54	
26 01 26 00-0021	EA	TTR Or Megger Maintenance Testing Of 75 KVA, Single Phase Transformer, Connected	84.05	
26 01 26 00-0022	EA	TTR Or Megger Maintenance Testing Of 100 KVA, Single Phase Transformer, Connected	105.05	
26 01 26 00-0023	EA	TTR Or Megger Maintenance Testing Of 150 KVA, Single Phase Transformer, Connected	147.08	
26 01 26 00-0024	EA	TTR Or Megger Maintenance Testing Of 167 KVA, Single Phase Transformer, Connected	178.60	
26 01 26 00-0025	EA	TTR Or Megger Maintenance Testing Of 200 KVA, Single Phase Transformer, Connected	189.10	
26 01 26 00-0026	EA	TTR Or Megger Maintenance Testing Of 250 KVA, Single Phase Transformer, Connected	199.60	
26 01 26 00-0027	EA	TTR Or Megger Maintenance Testing Of Up To 15 KVA, Three Phase Transformer, Connected	73.54	
26 01 26 00-0028	EA	TTR Or Megger Maintenance Testing Of >15 To 45 KVA, Three Phase Transformer, Connected	94.55	
26 01 26 00-0029	EA	TTR Or Megger Maintenance Testing Of 75 KVA, Three Phase Transformer, Connected	126.07	
26 01 26 00-0030	EA	TTR Or Megger Maintenance Testing Of 112.5 KVA, Three Phase Transformer, Connected	168.09	
26 01 26 00-0031	EA	TTR Or Megger Maintenance Testing Of 150 KVA, Three Phase Transformer, Connected	189.10	
26 01 26 00-0032	EA	TTR Or Megger Maintenance Testing Of 225 KVA, Three Phase Transformer, Connected	220.62	
26 01 26 00-0033	EA	TTR Or Megger Testing Of 300 KVA, Three Phase Transformer, Connected	283.65	

26 01 30 Operation and Maintenance of Facility Electrical Power Generating and Storing Equipment *(26 01)*

26 01 30 91 Facility Electrical Power Generating and Storing Equipment Restoration *(26 01 30)*

26 01 30 91-0001 Cleaning Photovoltaic Collectors *(26 01 30 91)*

Note: Includes pressure washer with filtered water (owner supplied from hose faucet).

26 01 30 91-0002	SF	Rinse Photovoltaic Collectors Note: Rinse solar panels with clean (filtered) water using hose	0.20
		For Up To 100, Add	*0.15*
		For >100 To 250, Add	*0.07*
		For >250 To 500, Add	*0.03*
		For >5,000 To 10,000, Deduct	*-0.01*
		For >10,000 To 15,000, Deduct	*-0.02*
		For >15,000 To 30,000, Deduct	*-0.03*
		For >30,000, Deduct	*-0.04*
26 01 30 91-0003	SF	Cleaning And Washing Photovoltaic Collectors With Brush, Ground Level Or On Flat Roof Note: Includes pre-rinse solar panels with clean water, soft scrubber with soapy water, and final rinse with clean water.	0.33
		For Up To 100, Add	*0.25*
		For >100 To 250, Add	*0.12*
		For >250 To 500, Add	*0.05*
		For >5,000 To 10,000, Deduct	*-0.02*
		For >10,000 To 15,000, Deduct	*-0.03*
		For >15,000 To 30,000, Deduct	*-0.05*
		For >30,000, Deduct	*-0.07*
26 01 30 91-0004	SF	Cleaning And Washing Photovoltaic Collectors With Telescoping Pole Brush, Pitched Roof Note: Includes pre-rinse solar panels with clean water, soft scrubber with soapy water, and final rinse with clean water.	0.61
		For Up To 100, Add	*0.46*
		For >100 To 250, Add	*0.21*
		For >250 To 500, Add	*0.09*
		For >5,000 To 10,000, Deduct	*-0.03*
		For >10,000 To 15,000, Deduct	*-0.06*
		For >15,000 To 30,000, Deduct	*-0.09*
		For >30,000, Deduct	*-0.12*

26 01 30 91-0005 Emergency Generator Permits *(26 01 30 91)*

26 01 30 91-0006 Air Pollution Control Board *(26 01 30 91-0005)*

26 01 30 91-0007	EA	APCD Permit To Construct And Operate Emergency Generator	5,052.51

26 01 30 91-0008 Emergency Generator Modernization *(26 01 30 91)*

26 01 30 91-0009	EA	Industrial Monitor and Touch Screen, 19" LCD, Panel Mount (Hope HIS-ML 19.5)	1,880.83
26 01 30 91-0010	EA	Industrial box PC (BPC) with fanless design and Intel® Core™ i5-4300U processor with up to 16 GB of RAM (Phoenix 2400333)	5,963.99
26 01 30 91-0011	EA	High Impact Industrial Display, 21.5-inch, flat panel LCD monitor with projected capacitive touch screen (Phoenix 2400515)	3,430.27
26 01 30 91-0012	EA	Power Supply Unit, 120 VAC Input To 24 VDC Output At 150 Watts (Phoenix 2904376)	322.06
26 01 30 91-0013	EA	Surge Protector, 120 VAC (Phoenix 2905228)	409.84
26 01 30 91-0014	EA	Software Upgrade, Local Interface for Windows, 1500 Tags (Indusoft IND-920NT-RT)	2,796.31

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 30 91-0015	EA	PLC 16IO 24VDC Relay (IDEC FC6A-D16R1CEE)	932.02	
26 01 30 91-0016	EA	Controller, Logic, FC6A Series MICROSMART, 120-240 AC, 24IO, Relay (IDEC FC6A-C24R1AE)	779.32	
26 01 30 91-0017	EA	Programmable controller module (IDEC FC6A-N16B1)	414.50	
26 01 30 91-0018	EA	Programmable controller module (IDEC FC6A-R161)	490.87	
26 01 30 91-0019	EA	Programmable controller module (IDEC FC6A-M24BR1)	618.11	
26 01 30 91-0020	EA	Programmable controller module (IDEC FC6A-J8A1)	677.51	
26 01 30 91-0021	EA	COMPACT AND ROBUST MULTI-DISPLAY DIGITAL SIGNAGE PLAYER (Shuttle XH110G)	719.78	
26 01 30 91-0022	EA	MONITOR, ASUS VP228H, 19.5" LED MONITOR (ASUS)	347.68	
26 01 30 91-0023	EA	Master Programmable Logic Controller (PLC), 2560-Point, 20K Steps Programs, 160K Words Memory (Omron CJ2-CPU-33)	3,407.85	
26 01 30 91-0024	EA	Power supply unit for ATS PLC systems (Omron CJ1W-PD022)	420.90	
26 01 30 91-0025	EA	ETHERNET MODULE FOR ATS PLC (Omron CJ1W-ETN21)	2,688.06	
26 01 30 91-0026	EA	8 POINT, 12 TO 24 VDC, INDEPENDENT COMMON UNIT FOR USE WITH ATS PLC (Omron CJ1W-ID201)	573.40	
26 01 30 91-0027	EA	Contact Output Unit, Independent Relays, 8 Points (Omron CJ1W-OC201)	614.07	

26 01 30 91-0028 Emergency Generator Modernization For Rancho Los Amigos ATS Upgrade/Expansion *(26 01 30 91)*

Note: Subcontractor installed pricing. Includes delivery, sales tax and programming

26 01 30 91-0029	EA	CP1L-EL20DT-D, All ATS's, Generators, Main, Annunciator Note: For Rancho Los Amigos Emergency Generator Controls, ATS Upgrade/Expansion	1,895.32	
26 01 30 91-0030	EA	CP1L-EM40DT-D, Generators, Main IO Note: For Rancho Los Amigos Emergency Generator Controls, ATS Upgrade/Expansion	1,306.36	
26 01 30 91-0031	EA	CP1W-40EDR, Generators Note: For Rancho Los Amigos Emergency Generator Controls, ATS Upgrade/Expansion	973.26	
26 01 30 91-0032	EA	CP1W-ADO1, MainIO Note: For Rancho Los Amigos Emergency Generator Controls, ATS Upgrade/Expansion	1,229.39	
26 01 30 91-0033	EA	CP1W-CIF11, Serial interface Note: For Rancho Los Amigos Emergency Generator Controls, ATS Upgrade/Expansion	156.77	
26 01 30 91-0034	EA	CP1W-32ER, Main IO Note: For Rancho Los Amigos Emergency Generator Controls, ATS Upgrade/Expansion	2,049.03	
26 01 30 91-0035	EA	2400515, Generator and control room industrial display Note: For Rancho Los Amigos Emergency Generator Controls, ATS Upgrade/Expansion	8,708.25	
26 01 30 91-0036	EA	2400333, Generator and control room IPC Note: For Rancho Los Amigos Emergency Generator Controls, ATS Upgrade/Expansion	10,757.25	
26 01 30 91-0037	EA	2904376, Power supply for each IPC and industrial display Note: For Rancho Los Amigos Emergency Generator Controls, ATS Upgrade/Expansion	3,790.65	
26 01 30 91-0038	EA	2905228, Surge protector for each IPC and industrial display Note: For Rancho Los Amigos Emergency Generator Controls, ATS Upgrade/Expansion	3,893.10	
26 01 30 91-0039	EA	IND-920NT-RT, Latest version of HMI software, Version 8.1 Note: For Rancho Los Amigos Emergency Generator Controls, ATS Upgrade/Expansion	8,708.25	
26 01 30 91-0040	EA	CJ2-CPU-33, Master PLC processor Note: For Rancho Los Amigos Emergency Generator Controls, ATS Upgrade/Expansion	6,147.00	
26 01 30 91-0041	EA	CJ1W-PD022, Master PLC Power Supply Note: For Rancho Los Amigos Emergency Generator Controls, ATS Upgrade/Expansion	4,610.25	
26 01 30 91-0042	EA	CJ1W-ETN21, Master PLC Ethernet module Note: For Rancho Los Amigos Emergency Generator Controls, ATS Upgrade/Expansion	5,942.10	
26 01 30 91-0043	EA	CJ1W-ID201, Master PLC Input module Note: For Rancho Los Amigos Emergency Generator Controls, ATS Upgrade/Expansion	4,712.70	
26 01 30 91-0044	EA	CJ1W-OC201, Master PLC Output module Note: For Rancho Los Amigos Emergency Generator Controls, ATS Upgrade/Expansion	4,610.25	

26 01 30 99 Facility Electrical Power Generating and Storing Equipment, Facilities Maintenance and Repair *(26 01 30)*

Note: The Maintenance & Repair section is a listing of common maintenance tasks performed at facilities. Under the System Description column, each task, including its components, is described. Labor-hours have been enhanced, where appropriate, to include setup and delay time. In some cases, the list of steps comprising the task includes most of the potential repairs that could be made on a system. For those tasks, individual items, as appropriate, can be selected from the all-encompassing list.

26 01 30 99-0001 175 KW Gasoline Generator *(26 01 30 99)*

Note: Includes all required small tools and equipment.

26 01 30 99-0002 175 KW, Gasoline Generator, Maintenance And Inspection *(26 01 30 99-0001)*

26 01 30 99-0003	EA	Run Test Gasoline Generator (For 175 KW, Gasoline Generator, Maintenance And Inspection)	100.24

26 01 30 99-0004 175 KW, Gasoline Generator, Replace Generator Component *(26 01 30 99-0001)*

26 01 30 99-0005	EA	Remove Gasoline Generator (For 175 KW, Gasoline Generator, Replace Generator Component)	4,556.39
26 01 30 99-0006	EA	Install New Gasoline Generator, 175 KW (For 175 KW, Gasoline Generator, Replace Generator Component)	92,414.87

26 01 30 99-0007 750 KW Diesel Generator *(26 01 30 99)*

Note: Includes all required small tools and equipment.

26 01 30 99-0008 750 KW, Diesel Generator, Maintenance And Inspection *(26 01 30 99-0007)*

26 01 30 99-0009	EA	Run Test Diesel Generator (For 750 KW, Diesel Generator, Maintenance And Inspection)	100.24

26 01 30 99-0010 750 KW, Diesel Generator, Replace Diesel Generator Component *(26 01 30 99-0007)*

26 01 30 99-0011	EA	Remove Diesel Generator (For 750 KW, Diesel Generator, Replace Diesel Generator Component)	7,159.99
26 01 30 99-0012	EA	Install New Diesel Generator, 750 KW (For 750 KW, Diesel Generator, Replace Diesel Generator Component)	261,216.64

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 30 99-0013		Transfer Switch *(26 01 30 99)* Note: Includes all required small tools and equipment.		
26 01 30 99-0014		Transfer Switch, Maintenance And Repair *(26 01 30 99-0013)*		
26 01 30 99-0015	EA	Remove Transfer Switch Coil (For Transfer Switch, Maintenance And Repair)	83.57	
26 01 30 99-0016	EA	Install New Transfer Switch Coil (For Transfer Switch, Maintenance And Repair)	390.55	
26 01 30 99-0017		Transfer Switch, Maintenance And Inspection *(26 01 30 99-0013)*		
26 01 30 99-0018	EA	Inspect And Clean Transfer Switch (For Transfer Switch, Maintenance And Inspection)	62.65	
26 01 30 99-0019		Transfer Switch, Replace Transfer Switch *(26 01 30 99-0013)*		
26 01 30 99-0020	EA	Remove Transfer Switch (For Transfer Switch, Replace Transfer Switch)	83.57	
26 01 30 99-0021	EA	Install New Transfer Switch, 480 Volt, 3 Pole, 1,200 Amp (For Transfer Switch, Replace Transfer Switch)	27,651.73	
26 01 30 99-0022	EA	Cut, Form, Align And Connect Wires (For Transfer Switch, Replace Transfer Switch)	18.92	
26 01 30 99-0023	EA	Check Operation Of Switch (For Transfer Switch, Replace Transfer Switch)	2.26	
26 01 30 99-0024		Battery, Wet *(26 01 30 99)* Note: Includes all required small tools and equipment.		
26 01 30 99-0025		Wet Battery, Maintenance And Inspection *(26 01 30 99-0024)*		
26 01 30 99-0026	EA	Clean And Maintain Wet Cell Battery (For Wet Battery, Maintenance And Inspection)	62.65	
26 01 30 99-0027		Wet Battery, Replace Battery *(26 01 30 99-0024)*		
26 01 30 99-0028	EA	Remove Wet Cell Battery (For Wet Battery, Replace Battery)	12.53	
26 01 30 99-0029	EA	Install New Wet Cell Battery (For Wet Battery, Replace Battery)	704.78	
26 01 30 99-0030		Battery, Dry *(26 01 30 99)* Note: Includes all required small tools and equipment.		
26 01 30 99-0031		Dry Battery, Maintenance And Inspection *(26 01 30 99-0030)*		
26 01 30 99-0032	EA	Clean And Maintain Dry Cell Battery (For Dry Battery, Maintenance And Inspection)	62.65	
26 01 30 99-0033		Dry Battery, Replace Battery *(26 01 30 99-0030)*		
26 01 30 99-0034	EA	Remove Dry Cell Battery (For Dry Battery, Replace Battery)	12.53	
26 01 30 99-0035	EA	Install New Dry Cell Battery (For Dry Battery, Replace Battery)	204.68	
26 01 30 99-0036		Battery Charger *(26 01 30 99)* Note: Includes all required small tools and equipment.		
26 01 30 99-0037		Battery Charger, Maintenance And Repair *(26 01 30 99-0036)*		
26 01 30 99-0038	EA	Repair Battery Charger Component (For Battery Charger, Maintenance And Repair)	437.36	
26 01 30 99-0039		Battery Charger, Maintenance And Inspection *(26 01 30 99-0036)*		
26 01 30 99-0040	EA	Check Battery Charger (For Battery Charger, Maintenance And Inspection)	200.48	
26 01 30 99-0041		Battery Charger, Replace Charger *(26 01 30 99-0036)*		
26 01 30 99-0042	EA	Remove Battery Charger (For Battery Charger, Replace Charger)	77.06	
26 01 30 99-0043	EA	Install New Battery Charger (For Battery Charger, Replace Charger)	830.78	
26 01 30 99-0044		Uninterruptible Power Supply (UPS) Battery *(26 01 30 99)* Note: Includes all required small tools and equipment.		
26 01 30 99-0045		Uninterruptible Power Supply (UPS) Battery, Maintenance And Inspection *(26 01 30 99-0044)*		
26 01 30 99-0046	EA	UPS Battery Electrical Test (For Uninterruptible Power Supply (UPS) Battery, Maintenance And Inspection)	100.24	
26 01 30 99-0047		Uninterruptible Power Supply (UPS) Battery, Replace Motor Generator Uninterruptible Power Supply (UPS) Battery *(26 01 30 99-0044)*		
26 01 30 99-0048	EA	Remove UPS Battery (For Uninterruptible Power Supply (UPS) Battery, Replace Motor Generator Uninterruptible Power Supply (UPS) Battery)	167.02	
26 01 30 99-0049	EA	Install New UPS Battery (For Uninterruptible Power Supply (UPS) Battery, Replace Motor Generator Uninterruptible Power Supply (UPS) Battery)	1,163.55	
26 01 30 99-0050		Automatic Transfer Switch Preventative Maintenance *(26 01 30 99)* Note: Includes all required small tools and equipment.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 30 99-0051	EA	Annual Preventative Maintenance For Automatic Transfer Switch Note: 1. Check With Operating Or Area Personnel For Deficiencies. 2. Inspect Wiring, Wiring Connections And Fuse Blocks For Looseness, Tighten All Connections. 3. Inspect Wiring, Wiring Connections And Fuse Blocks For Charring And Overheating. 4. Inspect Wiring, Wiring Connections And Fuse Blocks For Evidence Of Short-Circuiting. 5. Inspect General Condition Of Transfer Switch And Clean Exterior And Surrounding Area. 6. Fill Out Maintenance Checklist And Report Deficiencies.	74.96	

26 01 30 99-0052 15 kVA And Less, Emergency Generator Preventative Maintenance *(26 01 30 99)*

Note: Includes all required small tools and equipment.

26 01 30 99-0053	EA	Annual Preventative Maintenance For 15 kVA And Less, Emergency Generator Note: 1. Check With Operating Or Area Personnel For Deficiencies. 2. Check Engine Oil Level; Add As Required. 3. Change Engine Oil. 4. Change Engine Oil Filter. 5. Check Battery Charge And Electrolyte Specific Gravity; Add Water As Required. 6. Check Terminals For Corrosion; Clean As Required. 7. Check Belt Tension And Wear; Adjust As Required. 8. Check Engine Air Filter; Change As Required. 9. Check Engine Coolant, Add As Required. 10. Check Spark Plug Or Injector Nozzle Condition; Service Or Replace As Required. 11. Check Wiring, Connections And Switches; Adjust As Required. 12. Perform 30 Minute Generator Test Run; Check For Proper Operation. 13. Check Fuel Level; Add As Required. 14. Wipe Dust And Dirt From Engine And Generator. 15. Clean Area Around Generator. 16. Fill Out Maintenance Checklist And Report Deficiencies.	363.69	

26 01 30 99-0054 Over 15 kVA, Emergency Diesel Generator Preventative Maintenance *(26 01 30 99)*

Note: Includes all required small tools and equipment.

26 01 30 99-0055	EA	Annual Preventative Maintenance For Over 15 kVA, Emergency Diesel Generator Note: 1. Check With Operating Or Area Personnel For Deficiencies. 2. Check Engine Oil Level; Add As Required. 3. Change Engine Oil. 4. Change Engine Oil Filter. 5. Check Battery Charge And Electrolyte Specific Gravity; Add Water As Required. 6. Check Terminals For Corrosion; Clean As Required. 7. Check Belts for Wear and Proper Tension; Adjust As Required. 8. Check That Crank Case Heater Is Operating. 9. Check Engine Air Filter; Change As Required. 10. Check Engine Coolant; Add As Required. 11. Check Wiring, Connections And Switches; Adjust As Required. 12. Check Spark Plug Or Injector Nozzle Condition; Service Or Replace As Required. 13. Perform 30 Minute Generator Test Run; Check For Proper Operation. 14. Check Fuel Level With Gauge Pole, Add As Required. 15. Wipe Dust And Dirt From Engine And Generator. 16. Clean Area Around Generator. 17. Fill Out Maintenance Checklist And Report Deficiencies.	392.45	

26 01 30 99-0056 Turbine Emergency Diesel Generator Preventative Maintenance *(26 01 30 99)*

Note: Includes all required small tools and equipment.

26 01 30 99-0057	EA	Annual Preventative Maintenance For Turbine Emergency Diesel Generator Note: 1. Check With Operating Or Area Personnel for Deficiencies. 2. Check Transmission Oil Level; Add As Required. . Check Turbine Oil Level; Add As Required. 3. Change Turbine Oil. 4. Change Turbine Oil Filter. 5. Check That The Crankcase Heater Is Operating Properly. 6. Remove And Install New Turbine Air Filter. 7. Check Wiring, Connections And Switches, Adjust As Required. 8. Check Engine Coolant, Add As Required. 9. Check Starter For Proper Operation, Lubricate As Required. 10. Check Fuel Nozzles And Fuel Regulator, Service Or Replace As Required. 11. Check Ignition Device Condition, Service Or Replace As Required. 12. Perform 30 Minute Generator Test Run, Check For Proper Operation. 13. Check And Record Transmission Oil Pressure And Temperature, And Natural Gas Pressure. 14. Oil Pressure:_____ Oil Temperature:_____ Gas Pressure:_____. 15. Record Running Time: Beginning ___ Hours: Ending ___ Hours. 16. Check That The Charger Is Operating Properly. 17. Check For Any Signs Of Corrosion On Battery Terminals Or Wires. 18. Check The Electrolyte Level In The Batteries, Add As Required. 19. Check Specific Gravity Of The Electrolyte In A 10% Sample Of The Batteries. 20. Check 25% Of Terminal-To-Cell Connection Resistance, Rehabilitate Connections As Required. 21. Apply Anti-Corrosion Grease To Battery Terminals And Connections. 22. Measure And Record Individual Cell And String Float Voltages. 23. Clean Area Around Generator. 25. Fill Out Maintenance Checklist And Report Deficiencies.	1,360.20	

26 01 30 99-0058 Power Stabilizer Preventative Maintenance *(26 01 30 99)*

Note: Includes all required small tools and equipment.

26 01 30 99-0059	EA	Annual Preventative Maintenance For Power Stabilizer Note: 1. Remove The Covers Or Open The Doors. 2. Check For Signs Of Moisture Or Overheating. 3. Check Fans And Other Auxiliary Devices For Proper Operation. 4. Check For Voltage Creeping Over Transformer Insulated Surface. 5. Look For Evidence Such As Tracking Or Carbonization. 6. Check Condition Of The Ground System. 7. Check Wiring, Connections And Relays; Tighten And Adjust As Required. 8. Reinstall The Covers Or Close The Doors. 9. Clean The Surrounding Area. 10. Fill Out Maintenance Checklist And Report Deficiencies.	79.09	

26 01 30 99-0060 200 kVA And Less, Uninterruptible Power System Preventative Maintenance *(26 01 30 99)*

Note: Includes all required small tools and equipment.

26 01 30 99-0061	EA	Annual Preventative Maintenance For 200 kVA And Less, Uninterruptible Power System Note: 1. Check With Operating Or Area Personnel For Deficiencies. 2. Check Electrolyte Level Of Batteries; Add Water As Required. 3. Check Terminals For Corrosion; Clean As Required. 4. Check 25% Of The Batteries For Charge And Electrolyte Specific Gravity. 5. Check Batteries For Cracks Or Leaks; Remove And Install New Batteries As Required. 6. Check 25% Of The Terminal-To-Cell Connection Resistances. 7. Rehabilitate Connections As Required. 8. Apply Anti-Corrosion Grease To Battery Terminals And Connections. 9. Measure And Record Individual Cell And String Float Voltages. 10. Check Integrity Of Battery Rack. 11. Check Battery Room Temperature And Ventilation System. 12. Remove And Install New Air Filters On UPS Modules. 13. Check Output Voltage And Amperages, From Control Panel. 14. Check UPS Room Temperature And Ventilation System. 15. Notify Personnel And Test UPS Fault Alarm System. 16. Clean Around Batteries And UPS Modules. 17. Fill Out Maintenance Checklist And Report Deficiencies.	592.18	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 01 30 99-0062 201 To 800 kVA, Uninterrupted Power System Preventative Maintenance *(26 01 30 99)*

Note: Includes all required small tools and equipment.

26 01 30 99-0063 EA Annual Preventative Maintenance For 201 To 800 kVA, Uninterrupted Power System 1,303.91

Note: 1. Check With Operating Or Area Personnel For Deficiencies. 2. Check Electrolyte Level Of Batteries; Add Water As Required. 3. Check Terminals For Corrosion; Clean As Required. 4. Check 25% Of The Batteries For Charge And Electrolyte Specific Gravity. 5. Check Batteries For Cracks Or Leaks; Remove And Install New Batteries As Required. 6. Check 25% Of The Terminal-To-Cell Connection Resistances. 7. Rehabilitate Connections As Required. 8. Apply Anti-Corrosion Grease To Battery Terminals And Connections. 9. Measure And Record Individual Cell And String Float Voltages. 10. Check Integrity Of Battery Rack. 11. Check Battery Room Temperature And Ventilation System. 12. Remove And Install New Air Filters On UPS Modules. 13. Check Output Voltage And Amperages, From Control Panel. 14. Check UPS Room Temperature And Ventilation System. 15. Notify Personnel And Test UPS Fault Alarm System. 16. Clean Around Batteries And UPS Modules. 17. Fill Out Maintenance Checklist And Report Deficiencies.

26 01 30 99-0064 Battery System And Charger Preventative Maintenance *(26 01 30 99)*

Note: Includes all required small tools and equipment.

26 01 30 99-0065 EA Annual Preventative Maintenance Of Battery System And Charger 203.59

Note: 1. Check That The Charger Is Operating Properly. 2. Check For Any Signs Of Corrosion On The Battery Terminals Or Wires. 3. Check The Electrolyte Level In The Batteries, Add As Required. 4. Check The Specific Gravity Of The Electrolyte In A 10% Sample Of The Batteries. 5. Check 25% Of Terminal-To-Cell Connection Resistance, Rehabilitate Connections As Required. 6. Apply Anti-Corrosion Grease To Battery Terminals And Connections. 7. Measure And Record Individual Cell And String Float Voltages. 8. Clean Area Around Batteries.

26 01 50 Operation and Maintenance of Lighting *(26 01)*

26 01 50 51 Luminaire Relamping *(26 01 50)*

26 01 50 51-0001 Replace Lamps In Existing Fixtures *(26 01 50 51)*

Note: Includes removal of existing lamp from fixture and installation of new lamp. Excludes disposal of hazardous lamps.

26 01 50 51-0002 Halogen Lamps *(26 01 50 51-0001)*

26 01 50 51-0003	EA	300 Watt, T3, Tungsten Halogen Lamp	54.27
26 01 50 51-0004	EA	500 Watt, T3, Tungsten Halogen Lamp	69.85
26 01 50 51-0005	EA	1,000 Watt, T3, Tungsten Halogen Lamp	104.12
26 01 50 51-0006	EA	60 Watt, PAR38, Halogen Lamp	26.99
26 01 50 51-0007	EA	75 Watt, PAR38, Halogen Lamp	26.99
26 01 50 51-0008	EA	90 Watt, PAR38, Halogen Lamp	25.60
26 01 50 51-0009	EA	100 Watt, PAR38, Halogen Lamp	25.60
26 01 50 51-0010	EA	60 Watt, PAR38, Halogen IR Reflective Lamp	37.88
26 01 50 51-0011	EA	67 Watt, PAR38, Halogen IR Reflective Lamp	41.61
26 01 50 51-0012	EA	70 Watt, PAR38, Halogen IR Reflective Lamp	40.65
26 01 50 51-0013	EA	90 Watt, PAR38, Halogen IR Reflective Lamp	43.50
26 01 50 51-0014	EA	100 Watt, PAR38, Halogen IR Reflective Lamp	44.10
26 01 50 51-0015	EA	12 Watt, 10 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-65-B01-12-830-10)	22.34
26 01 50 51-0016	EA	12 Watt, 20 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-75-B01-12-830-20)	22.34
26 01 50 51-0017	EA	12 Watt, 25 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-75-B01-12-830-25)	24.34
26 01 50 51-0018	EA	12 Watt, 36 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-75-B01-12-830-36)	24.34

26 01 50 51-0019 Incandescent Lamps *(26 01 50 51-0001)*

26 01 50 51-0020	EA	100 Watt, Frosted, Interior Incandescent Lamp	7.18
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.09*
26 01 50 51-0021	EA	150 Watt, Frosted, Interior Incandescent Lamp	8.94
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.09*
26 01 50 51-0022	EA	200 Watt, Frosted, Interior Incandescent Lamp	10.91
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.09*
26 01 50 51-0023	EA	300 Watt, PS25, Interior Incandescent Lamp	13.40
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.09*
26 01 50 51-0024	EA	60 Watt, G25, Clear, Interior Incandescent Lamp	10.05
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.09*
26 01 50 51-0025	EA	75 Watt, R20, Interior Incandescent Lamp	15.92
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.51*
26 01 50 51-0026	EA	75 Watt, PAR38, Exterior Incandescent Lamp	19.40
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.51*
26 01 50 51-0027	EA	100 Watt, PAR38, Exterior Incandescent Lamp	18.01
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.51*
26 01 50 51-0028	EA	150 Watt, PAR38, Exterior Incandescent Lamp	31.21
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.51*
26 01 50 51-0029	EA	250 Watt, PAR38, Exterior Incandescent Lamp	64.46
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.92*
26 01 50 51-0030	EA	300 Watt, PAR56, Exterior Incandescent Lamp	74.15
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.92*

26 01 50 51-0031 Exit Light Lamps *(26 01 50 51-0001)*

26 01 50 51-0032	EA	Convert Exit Light Lamps To Red LED Lamps	119.88
		For Green LED Lamps, Add	*25.00*
26 01 50 51-0033	EA	Fluorescent Lamp For Exit Light	34.06
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-8.36*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0034	EA	Lamp Replacement For Emergency Lights On Exit Sign	44.26	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-4.18*	
26 01 50 51-0035		**Fluorescent Lamps** *(26 01 50 51-0001)*		
26 01 50 51-0036	EA	18", 15 Watt, T8 Fluorescent Lamp	13.28	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.34*	
26 01 50 51-0037	EA	2', 17 Watt, T8 Fluorescent Lamp	16.01	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.34*	
26 01 50 51-0038	EA	3', 25 Watt, T8 Fluorescent Lamp	18.40	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.76*	
26 01 50 51-0039	EA	4', 28 Watt, Rapid Start T8 Fluorescent Lamp	19.18	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.76*	
26 01 50 51-0040	EA	4', 32 Watt, T8 Fluorescent Lamp	18.17	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.76*	
26 01 50 51-0041	EA	4', 30 Watt, T8 Fluorescent Lamp	23.11	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.76*	
26 01 50 51-0042	EA	4', 28 Watt, T8 Fluorescent Lamp	20.24	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.76*	
26 01 50 51-0043	EA	4', 25 Watt, T8 Fluorescent Lamp	20.13	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.76*	
26 01 50 51-0044	EA	4', 44 Watt, T8HO Fluorescent Lamp	32.47	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.76*	
26 01 50 51-0045	EA	8', 59 Watt, T8 Fluorescent Lamp	24.72	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.76*	
26 01 50 51-0046	EA	18", 15 Watt, T12 Fluorescent Lamp	20.16	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.34*	
26 01 50 51-0047	EA	2', 20 Watt, T12 Fluorescent Lamp	15.23	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.34*	
26 01 50 51-0048	EA	3', 30 Watt, T12 Fluorescent Lamp	17.10	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.76*	
26 01 50 51-0049	EA	4', 34 Watt, T12 Fluorescent Lamp	17.19	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.76*	
26 01 50 51-0050	EA	4', 40 Watt, T12 Fluorescent Lamp	16.83	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.76*	
26 01 50 51-0051	EA	8', 60 Watt, T12 Fluorescent Lamp	25.35	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.76*	
26 01 50 51-0052	EA	8', 75 Watt, T12 Fluorescent Lamp	21.38	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.76*	
26 01 50 51-0053	EA	8', 95 Watt, Instant Start T12 Fluorescent Lamp	36.14	
26 01 50 51-0054	EA	6" Diameter, 20 Watt, Circular T9 Fluorescent Lamp	20.40	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.34*	
26 01 50 51-0055	EA	8" Diameter, 22 Watt, Circular T9 Fluorescent Lamp	16.75	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.34*	
26 01 50 51-0056	EA	12" Diameter, 32 Watt, Circular T9 Fluorescent Lamp	16.19	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.34*	
26 01 50 51-0057	EA	16" Diameter, 40 Watt, Circular T9 Fluorescent Lamp	17.94	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.34*	
26 01 50 51-0058	EA	32 Watt, Rapid Start, U-Shaped T8 Fluorescent Lamp	29.73	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-4.18*	
26 01 50 51-0059	EA	40 Watt, Rapid Start, U-Shaped T12 Fluorescent Lamp	28.66	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-4.18*	
26 01 50 51-0060	EA	6", 4 Watt, T5 Fluorescent Lamp	14.76	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.34*	
26 01 50 51-0061	EA	9", 6 Watt, T5 Fluorescent Lamp	14.51	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.34*	
26 01 50 51-0062	EA	12", 8 Watt, T5 Fluorescent Lamp	14.98	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.34*	
26 01 50 51-0063	EA	21", 13 Watt, T5 Fluorescent Lamp	15.68	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.34*	
26 01 50 51-0064	EA	24", 14 Watt, T5 Fluorescent Lamp	18.10	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.34*	
26 01 50 51-0065	EA	34", 21 Watt, T5 Fluorescent Lamp	19.68	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.76*	
26 01 50 51-0066	EA	46", 28 Watt, T5 Fluorescent Lamp	19.05	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.76*	
26 01 50 51-0067	EA	46", 54 Watt, T5HO Fluorescent Lamp	20.87	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.76*	
26 01 50 51-0068	EA	46", 54 Watt T5 Fluorescent Lamp	18.29	
26 01 50 51-0069	EA	5-13 Watt, 2-Pin Compact Fluorescent Lamp	11.71	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.09*	
26 01 50 51-0070	EA	9-26 Watt, 4-Pin Compact Fluorescent Lamp	12.96	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.09*	
26 01 50 51-0071	EA	27-55 Watt, 4-Pin Compact Fluorescent Lamp	26.79	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.09*	
26 01 50 51-0072	EA	Compact Fluorescent 13 Watt, 4-Pin Lamps CF13DD/E/827, Dulux	34.89	
26 01 50 51-0073	EA	Compact Fluorescent 18 Watt, 4-Pin Lamps CF18DD/E/827, Dulux	34.89	
26 01 50 51-0074	EA	32 Watt 2D (DoubleD) Fluorescent Lamp, 4-Pin	66.04	
26 01 50 51-0075	EA	26 Watt (1,600 Lumens) 4-pin Quad Tube PL Lamp	23.86	
26 01 50 51-0076	EA	<9 Watt, Screw-In, Spiral Compact Fluorescent Lamps	12.05	
26 01 50 51-0077	EA	9 To 27 Watt, Screw-In, Spiral Compact Fluorescent Lamps	10.40	
26 01 50 51-0078	EA	29 To 32 Watt, Screw-In, Spiral Compact Fluorescent Lamps	10.91	
26 01 50 51-0079	EA	33 To 42 Watt, Screw-In, Spiral Compact Fluorescent Lamps	45.11	
26 01 50 51-0080	EA	43 To 65 Watt, Screw-In, Spiral Compact Fluorescent Lamps	49.22	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0081	EA	85 Watt, Screw-In, Spiral Compact Fluorescent Lamps	93.78	
26 01 50 51-0082	EA	105 Watt, Screw-In, Spiral Compact Fluorescent Lamps	112.34	
26 01 50 51-0083	EA	200 Watt, Screw-In, Spiral Compact Fluorescent Lamps	116.12	
26 01 50 51-0084	EA	11 Watt, Screw-In, Compact Fluorescent Reflector Lamps	42.07	
26 01 50 51-0085	EA	15 Watt, Screw-In, Compact Fluorescent Reflector Lamps	43.89	
26 01 50 51-0086	EA	20 To 28 Watt, Screw-In, Compact Fluorescent Reflector Lamps	50.69	

26 01 50 51-0087 Metal Halide Lamps *(26 01 50 51-0001)*

26 01 50 51-0088	EA	50 Watt, Pulse Start Metal Halide Lamp	51.41	
26 01 50 51-0089	EA	70 Watt, Pulse Start Metal Halide Lamp	49.18	
26 01 50 51-0090	EA	100 Watt, Pulse Start Metal Halide Lamp	56.24	
26 01 50 51-0091	EA	150 Watt, Pulse Start Metal Halide Lamp	54.64	
26 01 50 51-0092	EA	175 Watt, Pulse Start Metal Halide Lamp	54.18	
26 01 50 51-0093	EA	250 Watt, Pulse Start Metal Halide Lamp	54.49	
26 01 50 51-0094	EA	400 Watt, Pulse Start Metal Halide Lamp	65.76	
26 01 50 51-0095	EA	1,000 Watt, Pulse Start Metal Halide Lamp	76.56	
26 01 50 51-0096	EA	1,500 Watt, Pulse Start Metal Halide Lamp	76.11	

26 01 50 51-0097 High Pressure Sodium Lamps *(26 01 50 51-0001)*

26 01 50 51-0098	EA	35 Watt, High Pressure Sodium Lamp	42.30	
		For Enclosed And Gasket Light Fixtures, Add	*3.22*	
26 01 50 51-0099	EA	50 Watt, High Pressure Sodium Lamp	42.30	
		For Enclosed And Gasket Light Fixtures, Add	*3.22*	
26 01 50 51-0100	EA	70 Watt, High Pressure Sodium Lamp	43.27	
		For Enclosed And Gasket Light Fixtures, Add	*3.22*	
26 01 50 51-0101	EA	100 Watt, High Pressure Sodium Lamp	45.10	
		For Enclosed And Gasket Light Fixtures, Add	*3.22*	
26 01 50 51-0102	EA	150 Watt, High Pressure Sodium Lamp	43.27	
		For Enclosed And Gasket Light Fixtures, Add	*3.22*	
26 01 50 51-0103	EA	250 Watt, High Pressure Sodium Lamp	43.27	
		For Enclosed And Gasket Light Fixtures, Add	*3.22*	
26 01 50 51-0104	EA	400 Watt, High Pressure Sodium Lamp	40.53	
		For Enclosed And Gasket Light Fixtures, Add	*3.22*	
26 01 50 51-0105	EA	1,000 Watt, High Pressure Sodium Lamp	94.76	

26 01 50 51-0106 Low Pressure Sodium Lamps *(26 01 50 51-0001)*

26 01 50 51-0107	EA	35 Watt, Low Pressure Sodium Lamp	108.66	
26 01 50 51-0108	EA	55 Watt, Low Pressure Sodium Lamp	121.33	
26 01 50 51-0109	EA	70 Watt, Low Pressure Sodium Lamp	124.18	
26 01 50 51-0110	EA	90 Watt, Low Pressure Sodium Lamp	127.03	
26 01 50 51-0111	EA	135 Watt, Low Pressure Sodium Lamp	138.45	
26 01 50 51-0112	EA	180 Watt, Low Pressure Sodium Lamp	189.82	

26 01 50 51-0113 LED Lamps *(26 01 50 51-0001)*

26 01 50 51-0114 LED Lamps, Candelabra Base, CA10 *(26 01 50 51-0113)*

26 01 50 51-0115	EA	3 Watt (25 Watt Incandescent Equivalent), Candelabra Base, CA10, Dimmable LED Lamp (Energy Star)	25.75	

26 01 50 51-0116 LED Lamps, Medium Base, A19 Or A21 *(26 01 50 51-0113)*

26 01 50 51-0117	EA	6 Watt (40 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star)	36.59	
26 01 50 51-0118	EA	11 Watt (60 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star)	36.59	
26 01 50 51-0119	EA	14 Watt (75 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star)	65.69	
26 01 50 51-0120	EA	17 Watt (75 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star)	43.94	
26 01 50 51-0121	EA	18 Watt (100 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star)	83.87	

26 01 50 51-0122 LED Lamps, Medium Base, BR30 Or BR40 *(26 01 50 51-0113)*

26 01 50 51-0123	EA	9.5 Watt (65 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star)	48.42	
26 01 50 51-0124	EA	14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star)	42.27	
26 01 50 51-0125	EA	11 Watt (65 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	58.60	
26 01 50 51-0126	EA	14.5 Watt (75 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	47.73	
26 01 50 51-0127	EA	14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	65.88	
26 01 50 51-0128	EA	18 Watt (90 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	47.73	

26 01 50 51-0129 LED Lamps, Medium Base, PAR *(26 01 50 51-0113)*

26 01 50 51-0130	EA	7 Watt (45 Watt Halogen Equivalent), Medium Base, PAR20, Dimmable LED Lamp (Energy Star)	54.24	
26 01 50 51-0131	EA	12 Watt (60 Watt Halogen Equivalent), Medium Base, Short Neck Par30, Dimmable LED Lamp (Energy Star)	76.83	
26 01 50 51-0132	EA	16.3 Watt (65 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star)	76.83	
26 01 50 51-0133	EA	15.6 Watt (70 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star)	73.19	
26 01 50 51-0134	EA	12 Watt (50 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star)	69.55	
26 01 50 51-0135	EA	15 Watt (75 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star)	69.55	
26 01 50 51-0136	EA	18 Watt (90 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star)	143.02	
26 01 50 51-0137	EA	15 Watt (75 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star)	76.83	
26 01 50 51-0138	EA	18 Watt (90 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star)	73.19	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0139	EA	19 Watt (120 Watt Halogen Equivalent), Medium Base, Par38, Dimmable LED Lamp (Energy Star)	76.83	
26 01 50 51-0140	EA	24 Watt (120 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star)	76.83	
26 01 50 51-0141		**LED Lamps, GU Base, MR16** *(26 01 50 51-0113)*		
26 01 50 51-0142	EA	4 Watt (20 Watt Halogen Equivalent), GU5.3 Base, MR16, LED Lamp (Energy Star)	35.00	
26 01 50 51-0143	EA	6 Watt (30 Watt Halogen Equivalent), GU10 Base, MR16, Dimmable LED Lamp (Energy Star)	48.42	
26 01 50 51-0144	EA	8 Watt (50 Watt Halogen Equivalent), GU5.3 Base, MR16, Dimmable LED Lamp (Energy Star)	54.24	
26 01 50 51-0145		**LED Lamps, PL Series** *(26 01 50 51-0113)*		
26 01 50 51-0146	EA	3.5 Watt, 2-Pin CFL G23 Base , Hybrid Lamp (GreenCreative PLS 3.5 HYB G23)	16.34	
26 01 50 51-0147	EA	26 Watt, 2700K CCT, PL EDGE DIRect Series (Green Creative 9.5PLH/827/DIR)	21.84	
26 01 50 51-0148	EA	26 Watt, 3000K CCT, PL EDGE DIRect Series (Green Creative 9.5PLH/830/DIR)	18.84	
26 01 50 51-0149	EA	26 Watt, 3500K CCT, PL EDGE DIRect Series (Green Creative 9.5PLH/835/DIR)	20.72	
26 01 50 51-0150	EA	26 Watt, 4000K CCT, PL EDGE DIRect Series (Green Creative 9.5PLH/840/DIR)	20.72	
26 01 50 51-0151	EA	26 Watt, 3000K CCT, High CRI, PL EDGE DIRect Series (Green Creative 10.5PLH/930/DIR)	24.09	
26 01 50 51-0152	EA	13-18 Watt, 2700K CCT, PL EDGE DIRect Series (Green Creative 5.5PLH/827/DIR)	20.72	
26 01 50 51-0153	EA	13-18 Watt, 3000K CCT, PL EDGE DIRect Series (Green Creative 5.5PLH/830/DIR)	20.72	
26 01 50 51-0154	EA	13-18 Watt, 3500K CCT, PL EDGE DIRect Series (Green Creative 5.5PLH/835/DIR)	20.72	
26 01 50 51-0155	EA	13-18 Watt, 4000K CCT, PL EDGE DIRect Series (Green Creative 5.5PLH/840/DIR)	20.72	
26 01 50 51-0156	EA	26 Watt, 2700K CCT, PL EDGE DIRect Series (Green Creative 10PLV/827/DIR)	22.97	
26 01 50 51-0157	EA	26 Watt, 3000K CCT, PL EDGE DIRect Series (Green Creative 10PLV/830/DIR)	22.97	
26 01 50 51-0158	EA	26 Watt, 3500K CCT, PL EDGE DIRect Series (Green Creative 10PLV/835/DIR)	22.97	
26 01 50 51-0159	EA	26 Watt, 4000K CCT, PL EDGE DIRect Series (Green Creative 10PLV/840/DIR)	22.97	
26 01 50 51-0160	EA	26 Watt, 3000K CCT, High CRI, PL EDGE DIRect Series (Green Creative 11PLV/930/DIR)	21.84	
26 01 50 51-0161	EA	13-18 Watt, 2700K CCT, PL EDGE DIRect Series (Green Creative 6.5PLV/827/DIR)	21.84	
26 01 50 51-0162	EA	13-18 Watt, 3000K CCT, PL EDGE DIRect Series (Green Creative 6.5PLV/830/DIR)	21.84	
26 01 50 51-0163	EA	13-18 Watt, 3500K CCT, PL EDGE DIRect Series (Green Creative 6.5PLV/835/DIR)	22.59	
26 01 50 51-0164	EA	13-18 Watt, 4000K CCT, PL EDGE DIRect Series (Green Creative 6.5PLV/840/DIR)	22.59	
26 01 50 51-0165	EA	26 Watt, 2700K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/827/BYP)	22.76	
26 01 50 51-0166	EA	26 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/830/BYP)	22.76	
26 01 50 51-0167	EA	26 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/835/BYP)	22.76	
26 01 50 51-0168	EA	26 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/840/BYP)	22.76	
26 01 50 51-0169	EA	13-18 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP)	23.34	
26 01 50 51-0170	EA	13-18 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP)	23.34	
26 01 50 51-0171	EA	13 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/830/BYP/E26)	23.34	
26 01 50 51-0172	EA	13 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP/E26)	23.34	
26 01 50 51-0173	EA	13 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP/E26)	23.34	
26 01 50 51-0174	EA	13 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/830/BYP/GU24)	23.34	
26 01 50 51-0175	EA	13 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP/GU24)	23.34	
26 01 50 51-0176	EA	13 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP/GU24)	23.34	
26 01 50 51-0177	EA	26 Watt, 2700K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/827/BYP)	29.20	
26 01 50 51-0178	EA	26 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/830/BYP)	29.20	
26 01 50 51-0179	EA	26 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/835/BYP)	29.20	
26 01 50 51-0180	EA	26 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/840/BYP)	27.85	
26 01 50 51-0181	EA	13-18 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 7PLV/835/BYP)	27.85	
26 01 50 51-0182	EA	13-18 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 7PLV/840/BYP)	27.85	
26 01 50 51-0183	EA	4 Pin, 6 Watt, 560 Lumens 4000K CCT, Horizontal Mount LED PL Lamp (Green Creative 57898)	27.17	
26 01 50 51-0184		**HID LED Lamps, Medium Base E26** *(26 01 50 51-0113)*		
26 01 50 51-0185	EA	27 Watt, 4000K CCT, Medium Base E26, LED Lamp (Green Creative 27HID/840/277V/E26)	53.72	
26 01 50 51-0186	EA	27 Watt, 5000K CCT, Medium Base E26, LED Lamp (Green Creative 27HID/850/277V/E26)	53.72	
26 01 50 51-0187	EA	45 Watt, 4000K CCT, Medium Base E26, LED Lamp (Green Creative 45HID/840/277V/E26)	67.58	
26 01 50 51-0188	EA	45 Watt, 5000K CCT, Medium Base E26, LED Lamp (Green Creative 45HID/850/277V/E26)	67.58	
26 01 50 51-0189	EA	10 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-3026)	48.69	
26 01 50 51-0190	EA	10 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-4026)	48.69	
26 01 50 51-0191	EA	10 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-5026)	48.69	
26 01 50 51-0192	EA	10 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-6026)	48.69	
26 01 50 51-0193	EA	15 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-3026)	50.19	
26 01 50 51-0194	EA	15 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-4026)	50.19	
26 01 50 51-0195	EA	15 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-5026)	50.19	
26 01 50 51-0196	EA	15 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-6026)	50.19	
26 01 50 51-0197	EA	20 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-3026)	56.19	
26 01 50 51-0198	EA	20 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-4026)	56.19	
26 01 50 51-0199	EA	20 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-5026)	56.19	
26 01 50 51-0200	EA	20 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-6026)	56.19	
26 01 50 51-0201	EA	25 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-3026)	63.69	
26 01 50 51-0202	EA	25 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-4026)	63.69	
26 01 50 51-0203	EA	25 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-5026)	63.69	
26 01 50 51-0204	EA	25 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-6026)	63.69	
26 01 50 51-0205	EA	30 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-3026)	80.18	
26 01 50 51-0206	EA	30 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-4026)	80.18	
26 01 50 51-0207	EA	30 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-5026)	80.18	
26 01 50 51-0208	EA	30 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-6026)	80.18	
26 01 50 51-0209	EA	40 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-3026)	94.43	
26 01 50 51-0210	EA	40 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-4026)	94.43	
26 01 50 51-0211	EA	40 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-5026)	94.43	
26 01 50 51-0212	EA	40 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-6026)	94.43	
26 01 50 51-0213	EA	60 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-3026)	104.18	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0214	EA	60 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-4026)	104.18	
26 01 50 51-0215	EA	60 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-5026)	104.18	
26 01 50 51-0216	EA	60 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-6026)	104.18	
26 01 50 51-0217	EA	80 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-3026)	139.42	
26 01 50 51-0218	EA	80 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-4026)	139.42	
26 01 50 51-0219	EA	80 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-5026)	139.42	
26 01 50 51-0220	EA	80 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-6026)	139.42	
26 01 50 51-0221	EA	100 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-3026)	143.92	
26 01 50 51-0222	EA	100 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-4026)	143.92	
26 01 50 51-0223	EA	100 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-5026)	143.92	
26 01 50 51-0224	EA	100 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-6026)	143.92	
26 01 50 51-0225	EA	120 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-3026)	170.16	
26 01 50 51-0226	EA	120 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-4026)	170.16	
26 01 50 51-0227	EA	120 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-5026)	170.16	
26 01 50 51-0228	EA	120 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-6026)	170.16	
26 01 50 51-0229	EA	150 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-3026)	201.65	
26 01 50 51-0230	EA	150 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-4026)	201.65	
26 01 50 51-0231	EA	150 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-5026)	201.65	
26 01 50 51-0232	EA	150 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-6026)	201.65	
26 01 50 51-0233	EA	20 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED20WPT40KMED-G6)	66.06	
26 01 50 51-0234	EA	20 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED20WPT50KMED-G6)	71.31	
26 01 50 51-0235	EA	27 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED27WPT40KMED-G5)	71.31	
26 01 50 51-0236	EA	27 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED27WPT50KMED-G5)	66.06	
26 01 50 51-0237	EA	36 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED36WPT40KMED-G5)	82.55	
26 01 50 51-0238	EA	36 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED36WPT50KMED-G5)	75.81	
26 01 50 51-0239	EA	45 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED45WPT40KMED-G5)	90.80	
26 01 50 51-0240	EA	45 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED45WPT50KMED-G5)	89.92	
26 01 50 51-0241	EA	54 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED54WPT40KMED-G5)	91.93	
26 01 50 51-0242	EA	54 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED54WPT50KMED-G5)	91.93	
26 01 50 51-0243	EA	27 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED27WPT40KMED-G7)	56.33	
26 01 50 51-0244	EA	27 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED27WPT50KMED-G7)	56.33	
26 01 50 51-0245	EA	36 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED36WPT40KMED-G7)	63.27	
26 01 50 51-0246	EA	36 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED36WPT50KMED-G7)	63.27	
26 01 50 51-0247	EA	45 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED45WPT40KMED-G7)	67.88	
26 01 50 51-0248	EA	45 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED45WPT50KMED-G7)	67.88	
26 01 50 51-0249	EA	54 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED54WPT40KMED-G7)	74.81	
26 01 50 51-0250	EA	54 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED54WPT50KMED-G7)	74.81	
26 01 50 51-0251	EA	20 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-20W8-55K-E26)	75.17	
26 01 50 51-0252	EA	30 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-30W8-55K-E26)	81.32	
26 01 50 51-0253	EA	40 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-40W8-55K-E26)	100.74	
26 01 50 51-0254	EA	50 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-50W8-55K-E26)	110.78	
26 01 50 51-0255	EA	10 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-10W12-55K-E26)	44.58	
26 01 50 51-0256	EA	15 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-15W12-55K-E26)	49.97	
26 01 50 51-0257	EA	20 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-20W12-55K-E26)	52.67	
26 01 50 51-0258	EA	25 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-25W12-55K-E26)	57.70	
26 01 50 51-0259	EA	15 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148015-UNV)	69.03	
26 01 50 51-0260	EA	20 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148020-UNV)	80.57	
26 01 50 51-0261	EA	25 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148025-UNV)	109.41	
26 01 50 51-0262	EA	30 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148030-UNV)	115.18	
26 01 50 51-0263	EA	35 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148035-UNV)	124.41	
26 01 50 51-0264	EA	40 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148040-UNV)	130.17	
26 01 50 51-0265	EA	60 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148060-UNV)	186.70	
26 01 50 51-0266	EA	20 Watt, 5000K CCT, 120-277 Volt, E26 (Medium) Base, LED Retrofit Omni-Directional Lamp (HYLITE HL-IOD-20W-E26-50K)	68.17	

26 01 50 51-0267 HID LED Lamps, Mogul Base E39 Or EX39 *(26 01 50 51-0113)*

26 01 50 51-0268	EA	120 Watt, 2700K CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/827/277V/EX39)	179.18	
26 01 50 51-0269	EA	120 Watt, 5000K CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/850/277V/EX39)	179.18	
26 01 50 51-0270	EA	120 Watt, 5700 CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/857/277V/EX39)	179.18	
26 01 50 51-0271	EA	27 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/830/277V/EX39)	53.72	
26 01 50 51-0272	EA	27 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/840/277V/EX39/R)	53.72	
26 01 50 51-0273	EA	27 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/850/277V/EX39)	53.72	
26 01 50 51-0274	EA	45 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/830/277V/EX39)	67.58	
26 01 50 51-0275	EA	45 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/840/277V/EX39/R)	67.58	
26 01 50 51-0276	EA	45 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/850/277V/EX39)	67.58	
26 01 50 51-0277	EA	80 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 80HID/850/277V/EX39)	123.82	
26 01 50 51-0278	EA	80 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-3039)	139.42	
26 01 50 51-0279	EA	80 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-4039)	139.42	
26 01 50 51-0280	EA	80 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-5039)	139.42	
26 01 50 51-0281	EA	80 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-6039)	139.42	
26 01 50 51-0282	EA	100 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-3039)	143.92	
26 01 50 51-0283	EA	100 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-4039)	143.92	
26 01 50 51-0284	EA	100 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-5039)	143.92	
26 01 50 51-0285	EA	100 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-6039)	143.92	
26 01 50 51-0286	EA	120 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-3039)	170.16	
26 01 50 51-0287	EA	120 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-4039)	170.16	
26 01 50 51-0288	EA	120 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-5039)	170.16	
26 01 50 51-0289	EA	120 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-6039)	170.16	
26 01 50 51-0290	EA	150 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-3039)	201.65	
26 01 50 51-0291	EA	150 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-4039)	201.65	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0292	EA	150 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-5039)	201.65	
26 01 50 51-0293	EA	150 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-6039)	201.65	
26 01 50 51-0294	EA	27 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED27WPT40KMOG-G5)	71.31	
26 01 50 51-0295	EA	27 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED27WPT50KMOG-G5)	71.31	
26 01 50 51-0296	EA	36 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED36WPT40KMOG-G5)	82.55	
26 01 50 51-0297	EA	36 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED36WPT50KMOG-G5)	81.52	
26 01 50 51-0298	EA	45 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED45WPT40KMOG-G5)	90.80	
26 01 50 51-0299	EA	45 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED45WPT50KMOG-G5)	89.92	
26 01 50 51-0300	EA	54 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED54WPT40KMOG-G5)	91.93	
26 01 50 51-0301	EA	54 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED54WPT50KMOG-G5)	89.32	
26 01 50 51-0302	EA	100 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED100WPT40KMOG-G5)	191.27	
26 01 50 51-0303	EA	20 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED20WPT/180/40KMOG-G7)	71.28	
26 01 50 51-0304	EA	20 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED20WPT/180/50KMOG-G7)	71.28	
26 01 50 51-0305	EA	30 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED30WPT/180/40KMOG-G7)	80.61	
26 01 50 51-0306	EA	30 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED30WPT/180/50KMOG-G7)	80.61	
26 01 50 51-0307	EA	40 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED40WPT/180/40KMOG-G7)	86.22	
26 01 50 51-0308	EA	40 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED40WPT/180/50KMOG-G7)	86.22	
26 01 50 51-0309	EA	27 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED27WPT40KMOG-G7)	56.24	
26 01 50 51-0310	EA	27 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED27WPT50KMOG-G7)	56.24	
26 01 50 51-0311	EA	36 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED36WPT40KMOG-G7)	63.27	
26 01 50 51-0312	EA	36 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED36WPT50KMOG-G7)	63.27	
26 01 50 51-0313	EA	45 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED45WPT40KMOG-G7)	67.88	
26 01 50 51-0314	EA	45 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED45WPT50KMOG-G7)	67.88	
26 01 50 51-0315	EA	54 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED54WPT40KMOG-G7)	74.81	
26 01 50 51-0316	EA	54 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED54WPT50KMOG-G7)	74.81	
26 01 50 51-0317	EA	65 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-65W8-55K-E39)	133.20	
26 01 50 51-0318	EA	80 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-80W8-55K-E39)	153.75	
26 01 50 51-0319	EA	100 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-100W8-55K-E39)	182.99	
26 01 50 51-0320	EA	120 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-120W8-55K-E39)	355.19	
26 01 50 51-0321	EA	150 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-150W8-55K-E39)	335.52	
26 01 50 51-0322	EA	200 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-200W8-55K-E39)	355.19	
26 01 50 51-0323	EA	250 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-250W8-55K-E39)	356.72	
26 01 50 51-0324	EA	24 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M30-A)	55.90	
26 01 50 51-0325	EA	24 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M40-A)	55.90	
26 01 50 51-0326	EA	24 Watt, 5700K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M57-A)	55.90	
26 01 50 51-0327	EA	100 Watt, Mogul Base E39, LED Area Lamp (MaxLite AR100LED50)	162.59	
26 01 50 51-0328	EA	115 Watt, 4000K CCT, Mogul Base EX39, HID LED Lamp (Keystone KT-LED115HID-V-EX39-840-D)	422.66	
26 01 50 51-0329	EA	40 Watt, 120-277 Volt, 5000K CCT, E39 Base, LED Arc-Cob Lamp (HYLITE HL-AC-40W-E39-50K)	180.12	
26 01 50 51-0330	EA	100 Watt, 480 Volt, 5000K CCT, E39 Base, LED Omni-Cob Lamp (HYLITE HL-OC-100W-E39-50K)	212.12	
26 01 50 51-0331	EA	45 Watt, 120-277 Volt, 5000K CCT, E39 Base, LED Omni-Cob Lamp (HYLITE HL-OC-45W-E39-50K)	93.76	
26 01 50 51-0332	EA	40 Watt, 5680 Lumens, Mogul Base E39, LED Directional Flood Lamp (HYLITE HL-IDL-40W-E39-50K)	294.64	

26 01 50 51-0333 LED Lamps, 2G11 Base *(26 01 50 51-0113)*

26 01 50 51-0334	EA	19 Watt, 1550 Lumens, 3500K CCT, 2G11 Base, Dimmable LED Lamp (Green Creative 14.5PLL/835/DIR)	49.58	

26 01 50 51-0335 LED Lamps, GX23 Or G23 Base *(26 01 50 51-0113)*

26 01 50 51-0336	EA	5 Watt, 580 Lumens, 2 Pin GX23 Base, Dimmable LED Lamp (Lunera HN-H-GX23-U-5W-840-G4)	24.39	

26 01 50 51-0337 LED Lamps, G24 Base *(26 01 50 51-0113)*

26 01 50 51-0338	EA	5.5 Watt, 500 Lumens, G24 Base, LED Lamp (Green Creative 5.5PLH/835/DIR/R)	31.69	

26 01 50 51-0339 LED Tubes (Fluorescent Lamp Replacement) *(26 01 50 51-0113)*

26 01 50 51-0340	EA	2', 1,250 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-24IN-4000K)	43.47	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.34*	
26 01 50 51-0341	EA	2', 1,900 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-24INU-4000K)	56.59	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.34*	
26 01 50 51-0342	EA	3', 1,900 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-36IN-4000K)	46.84	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.55*	
26 01 50 51-0343	EA	4', 1,900 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-48IN-4000K)	51.30	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.76*	
26 01 50 51-0344	EA	4', 2,200 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2HO-T8-48IN-4000K)	56.22	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.76*	
26 01 50 51-0345	EA	4', 2,539 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Carson Technology CT-D02018TBN)	35.29	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.76*	
26 01 50 51-0346	EA	2', 1,348 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Carson Technology CT-D02010TBN)	34.02	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.34*	
26 01 50 51-0347	EA	2', 1,100 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED9T8/L24/FG/835/BF)	30.98	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.34*	
26 01 50 51-0348	EA	3', 1,650 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED12T8/L36/FG/835/BF)	31.52	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.55*	
26 01 50 51-0349	EA	4', 1,700 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED14T8/L48/FG/835/BF)	31.51	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0350	EA	4', 2,100 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED17T8/L48/FG/835/BF)	32.67	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.76*	

26 01 50 51-0351 Filament LED Lamps *(26 01 50 51-0113)*

26 01 50 51-0352	EA	7.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 7.5FA19DIM/827)	18.09	
26 01 50 51-0353	EA	4.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 4.5A19DIM/827/R)	18.09	
26 01 50 51-0354	EA	4.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 4.5FA19DIM/827)	17.34	
26 01 50 51-0355	EA	4.5 Watt, 2400 CCT, Amber A19 Filament LED Lamp (Green Creative 4.5FA19DIM/824/A)	17.34	
26 01 50 51-0356	EA	4.5 Watt, 2700K CCT, Clear G25 Globe Filament LED Lamp (Green Creative 4.5FG25DIM/827)	18.54	
26 01 50 51-0357	EA	4.5 Watt, 2400 CCT, Amber G25 Globe Filament LED Lamp (Green Creative 4.5FG25DIM/824/A)	18.54	
26 01 50 51-0358	EA	3.5 Watt, 2700K CCT, Clear B10 Candle Filament LED Lamp (Green Creative 3.5FB10DIM/827)	15.84	
26 01 50 51-0359	EA	3.5 Watt, 2700K CCT, Clear B11 Candle Filament LED Lamp (Green Creative 3.5FB11DIM/827/E26)	15.84	
26 01 50 51-0360	EA	3.5 Watt, 2400 CCT, Amber B10 Candle Filament LED Lamp (Green Creative 3.5FBA10DIM/824/FT/A)	16.29	
26 01 50 51-0361	EA	3.5 Watt, 2400 CCT, Amber ST19 Filament LED Lamp (Green Creative 5FST19DIM/824/A)	19.59	
26 01 50 51-0362	EA	4.5 Watt, 120 Volt 450 Lumens ULTRA LED Filament Lamp (Sylvania 79521)	23.64	

26 01 50 51-0363 Other Lamps *(26 01 50 51-0113)*

26 01 50 51-0364	EA	8 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 8A19/END/2700 DIM 6/1)	17.22	
26 01 50 51-0365	EA	8 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 7A19/2700 DIM)	17.22	
26 01 50 51-0366	EA	11 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 11A19/2700 DIM)	17.22	
26 01 50 51-0367	EA	12 Watt, Medium Base, Dimmable BR40 LED Lamp (Philips 12BR40/F90 2700 DIM AF 6/1)	17.97	
26 01 50 51-0368	EA	13 Watt, Medium Base, Dimmable PAR38 LED Single Optic Lamp (Philips 13PAR38/S15 4000 DIM AF SO 6/1)	17.97	
26 01 50 51-0369	EA	8 Watt, Medium Base, Dimmable PAR20 LED Lamp (Philips 8PAR20/END/F36 3000 DIM 6/1)	17.97	

26 01 50 51-0370 LED Lamps, Light Engines, Round, LER Series *(26 01 50 51-0113)*

26 01 50 51-0371	EA	5.5" Diameter, 17 Watt, 3000K CCT, Round LED Light Engine (Maxlite LER5.5A1730)	57.02	
26 01 50 51-0372	EA	9 Watt, 120 Volt, 800 Lumens, 2700K, Omnidirectional Ultra LED A-line Lamp (Sylvania LED9A19/DIM/O/827/U)	32.73	

26 01 50 51-0373 Remove Hazardous Lamps From Fixture For Recycling *(26 01 50 51)*

Note: Excludes containers, shipping costs and recycling fees. See CSI section 26 01 50 51-0382 for recycling hazardous lamps.

26 01 50 51-0374	EA	Removal Of 2' Length Linear Fluorescent Lamps	4.43	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.46*	
26 01 50 51-0375	EA	Removal Of 3' Length Linear Fluorescent Lamps	5.06	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.67*	
26 01 50 51-0376	EA	Removal Of 4' Length Linear Fluorescent Lamps	5.69	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.88*	
26 01 50 51-0377	EA	Removal Of 6' Length Linear Fluorescent Lamps	6.33	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.09*	
26 01 50 51-0378	EA	Removal Of 8' Length Linear Fluorescent Lamps	6.96	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.30*	
26 01 50 51-0379	EA	Removal Of Compact Fluorescent Lamps	3.79	
		For >25 To 40, Deduct	*-0.38*	
		For >40, Deduct	*-0.76*	
26 01 50 51-0380	EA	Removal Of U-Shaped Or Circular Fluorescent Lamps	6.02	
		For >25 To 40, Deduct	*-0.60*	
		For >40, Deduct	*-1.20*	
26 01 50 51-0381	EA	Removal Of High Intensity Discharge (HID) Or Metal Halide Lamps	10.76	
		For >25 To 40, Deduct	*-1.08*	
		For >40, Deduct	*-2.15*	

26 01 50 51-0382 Recycle Hazardous Lamps *(26 01 50 51)*

Note: Includes containers, shipping costs and recycling fees. Excludes lamp removal. See CSI section 26 01 50 51-0001 for removal of lamps from fixtures.

26 01 50 51-0383	EA	Recycle 2' Length Linear Fluorescent Lamps	1.79	
26 01 50 51-0384	EA	Recycle 3' Length Linear Fluorescent Lamps	2.29	
26 01 50 51-0385	EA	Recycle 4' Length Linear Fluorescent Lamps	2.79	
26 01 50 51-0386	EA	Recycle 6' Length Linear Fluorescent Lamps	3.95	
26 01 50 51-0387	EA	Recycle 8' Length Linear Fluorescent Lamps	4.95	
26 01 50 51-0388	EA	Recycle Compact Fluorescent Lamps	4.56	
26 01 50 51-0389	EA	Recycle U-Shaped Or Circular Fluorescent Lamps	4.56	
26 01 50 51-0390	EA	Recycle High Intensity Discharge (HID) Lamps	7.20	

26 01 50 52 Ballasts Replacement *(26 01 50)*

26 01 50 52-0001 Lighting Ballasts *(26 01 50 52)*

Note: Excludes recycling fees. See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 52-0002 Fluorescent Ballasts *(26 01 50 52-0001)*

26 01 50 52-0003 T5 Fluorescent Ballasts *(26 01 50 52-0002)*

26 01 50 52-0004 T5 Fluorescent Electronic Ballasts *(26 01 50 52-0003)*

Note: Includes 120/277 Volt and normal ballast factor.

26 01 50 52-0005 14 Watt, T5 Fluorescent Electronic Ballasts *(26 01 50 52-0004)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0006	EA	1 Lamp, 14 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	142.11	25.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
		For High Ballast Factor, Add	*8.20*	
26 01 50 52-0007	EA	2 Lamp, 14 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	148.43	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.49*	
		For High Ballast Factor, Add	*8.20*	
26 01 50 52-0008		**21 Watt, T5 Fluorescent Electronic Ballasts** *(26 01 50 52-0004)*		
26 01 50 52-0009	EA	1 Lamp, 21 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	142.11	25.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
		For High Ballast Factor, Add	*8.20*	
26 01 50 52-0010	EA	2 Lamp, 21 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	148.43	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.49*	
		For High Ballast Factor, Add	*8.20*	
26 01 50 52-0011		**28 Watt, T5 Fluorescent Electronic Ballasts** *(26 01 50 52-0004)*		
26 01 50 52-0012	EA	1 Lamp, 28 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	142.11	25.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
		For High Ballast Factor, Add	*8.20*	
26 01 50 52-0013	EA	2 Lamp, 28 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	148.43	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.49*	
		For High Ballast Factor, Add	*8.20*	
26 01 50 52-0014		**35 Watt, T5 Fluorescent Electronic Ballasts** *(26 01 50 52-0004)*		
26 01 50 52-0015	EA	1 Lamp, 35 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	142.11	25.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
26 01 50 52-0016	EA	2 Lamp, 35 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	148.43	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.49*	
26 01 50 52-0017		**54 Watt, T5 Fluorescent Electronic Ballasts** *(26 01 50 52-0004)*		
26 01 50 52-0018	EA	1 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	141.95	25.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
26 01 50 52-0019	EA	2 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	148.27	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.49*	
26 01 50 52-0020	EA	3 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	203.65	37.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.39*	
26 01 50 52-0021	EA	4 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	209.98	44.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	
26 01 50 52-0022		**High-Output, T5HO Fluorescent Electronic Ballasts** *(26 01 50 52-0003)* Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0023		**12 Watt, High-Output, T5HO Fluorescent Electronic Ballasts** *(26 01 50 52-0022)*		
26 01 50 52-0024	EA	1 Lamp, 12 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	118.82	25.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
26 01 50 52-0025	EA	2 Lamp, 12 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	125.14	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.49*	
26 01 50 52-0026		**24 Watt, High-Output, T5HO Fluorescent Electronic Ballasts** *(26 01 50 52-0022)*		
26 01 50 52-0027	EA	1 Lamp, 24 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	156.06	25.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
26 01 50 52-0028	EA	2 Lamp, 24 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	162.38	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.49*	
26 01 50 52-0029		**39 Watt, High-Output, T5HO Fluorescent Electronic Ballasts** *(26 01 50 52-0022)*		
26 01 50 52-0030	EA	1 Lamp, 39 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	156.06	25.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
26 01 50 52-0031	EA	2 Lamp, 39 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	162.38	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.49*	
26 01 50 52-0032		**54 Watt, High-Output, T5HO Fluorescent Electronic Ballasts** *(26 01 50 52-0022)*		
26 01 50 52-0033	EA	1 Lamp, 54 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	118.82	25.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
26 01 50 52-0034	EA	2 Lamp, 54 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	125.14	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.49*	
26 01 50 52-0035		**Dimming, T5 Fluorescent Electronic Ballasts** *(26 01 50 52-0003)*		
26 01 50 52-0036		**Step Dimming, T5 Fluorescent Electronic Ballasts** *(26 01 50 52-0035)* Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0037		**28 Watt, Step Dimming, T5 Fluorescent Electronic Ballast** *(26 01 50 52-0036)*		
26 01 50 52-0038	EA	2 Lamp, 28 Watt, Programmed Start, Step Dimming, T5 Fluorescent Electronic Ballast	127.07	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.49*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0039		Dimming To 5%, T5 Fluorescent Electronic Ballasts *(26 01 50 52-0035)* Note: Includes 120/277 Volt and normal ballast factor.			
26 01 50 52-0040		54 Watt, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballasts *(26 01 50 52-0039)*			
26 01 50 52-0041	EA	1 Lamp, 54 Watt, Programmed Start, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballast		508.80	25.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*7.60*	
26 01 50 52-0042	EA	2 Lamp, 54 Watt, Programmed Start, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballast		501.05	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*9.49*	
26 01 50 52-0043		T8 Fluorescent Ballasts *(26 01 50 52-0002)*			
26 01 50 52-0044		T8 Fluorescent Electronic Ballasts *(26 01 50 52-0043)* Note: Includes 120/277 Volt and low or normal ballast factor.			
26 01 50 52-0045		17 Watt, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0044)*			
26 01 50 52-0046	EA	1 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast		60.98	25.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*7.60*	
		For High Ballast Factor, Add		*19.95*	
26 01 50 52-0047	EA	1 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast		108.98	25.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*7.60*	
		For High Ballast Factor, Add		*13.12*	
26 01 50 52-0048	EA	2 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast		67.30	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*9.49*	
		For High Ballast Factor, Add		*19.95*	
26 01 50 52-0049	EA	2 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast		115.30	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*9.49*	
		For High Ballast Factor, Add		*13.12*	
26 01 50 52-0050	EA	3 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast		82.06	37.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*11.39*	
		For High Ballast Factor, Add		*19.42*	
26 01 50 52-0051	EA	3 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast		129.01	37.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*11.39*	
		For High Ballast Factor, Add		*11.15*	
26 01 50 52-0052	EA	4 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast		93.87	44.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*13.29*	
		For High Ballast Factor, Add		*49.18*	
26 01 50 52-0053	EA	4 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast		141.08	44.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*13.29*	
		For High Ballast Factor, Add		*28.71*	
26 01 50 52-0054		25 Watt, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0044)*			
26 01 50 52-0055	EA	1 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast		60.98	25.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*7.60*	
		For High Ballast Factor, Add		*19.95*	
26 01 50 52-0056	EA	1 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast		108.98	25.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*7.60*	
		For High Ballast Factor, Add		*13.12*	
26 01 50 52-0057	EA	2 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast		67.30	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*9.49*	
		For High Ballast Factor, Add		*19.95*	
26 01 50 52-0058	EA	2 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast		115.30	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*9.49*	
		For High Ballast Factor, Add		*13.12*	
26 01 50 52-0059	EA	3 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast		82.06	37.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*11.39*	
		For High Ballast Factor, Add		*19.42*	
26 01 50 52-0060	EA	3 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast		129.01	37.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*11.39*	
		For High Ballast Factor, Add		*11.15*	
26 01 50 52-0061	EA	4 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast		93.87	44.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*13.29*	
		For High Ballast Factor, Add		*49.18*	
26 01 50 52-0062	EA	4 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast		141.08	44.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*13.29*	
		For High Ballast Factor, Add		*28.71*	
26 01 50 52-0063		28 Watt, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0044)*			
26 01 50 52-0064	EA	1 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast		60.98	25.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*7.60*	
		For High Ballast Factor, Add		*19.95*	
26 01 50 52-0065	EA	1 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast		108.98	25.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*7.60*	
		For High Ballast Factor, Add		*13.12*	
26 01 50 52-0066	EA	2 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast		67.30	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*9.49*	
		For High Ballast Factor, Add		*19.95*	
26 01 50 52-0067	EA	2 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast		115.30	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*9.49*	
		For High Ballast Factor, Add		*13.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0068	EA	3 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast	82.06	37.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.39*	
		For High Ballast Factor, Add	*19.42*	
26 01 50 52-0069	EA	3 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	129.01	37.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.39*	
		For High Ballast Factor, Add	*11.15*	
26 01 50 52-0070	EA	4 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast	93.87	44.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	
		For High Ballast Factor, Add	*49.18*	
26 01 50 52-0071	EA	4 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	141.08	44.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	
		For High Ballast Factor, Add	*28.71*	
26 01 50 52-0072		**32 Watt, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0044)*		
26 01 50 52-0073	EA	1 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast	60.98	25.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
		For High Ballast Factor, Add	*19.95*	
26 01 50 52-0074	EA	1 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	108.98	25.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
		For High Ballast Factor, Add	*13.12*	
26 01 50 52-0075	EA	2 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast	67.30	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.49*	
		For High Ballast Factor, Add	*19.95*	
26 01 50 52-0076	EA	2 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	115.30	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.49*	
		For High Ballast Factor, Add	*13.12*	
26 01 50 52-0077	EA	3 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast	82.06	37.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.39*	
		For High Ballast Factor, Add	*19.42*	
26 01 50 52-0078	EA	3 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	129.01	37.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.39*	
		For High Ballast Factor, Add	*11.15*	
26 01 50 52-0079	EA	4 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast	93.87	44.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	
		For High Ballast Factor, Add	*49.18*	
26 01 50 52-0080	EA	4 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	141.08	44.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	
		For High Ballast Factor, Add	*28.71*	
26 01 50 52-0081		**40 Watt, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0044)*		
26 01 50 52-0082	EA	1 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast	98.81	25.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
		For High Ballast Factor, Add	*8.53*	
26 01 50 52-0083	EA	1 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	108.98	25.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
		For High Ballast Factor, Add	*13.12*	
26 01 50 52-0084	EA	2 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast	105.13	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.49*	
		For High Ballast Factor, Add	*8.53*	
26 01 50 52-0085	EA	2 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	115.30	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.49*	
		For High Ballast Factor, Add	*13.12*	
26 01 50 52-0086	EA	3 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast	131.47	37.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.39*	
		For High Ballast Factor, Add	*5.25*	
26 01 50 52-0087	EA	3 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	129.01	37.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.39*	
26 01 50 52-0088	EA	4 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast	137.80	44.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	
		For High Ballast Factor, Add	*5.25*	
26 01 50 52-0089	EA	4 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	141.08	44.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	
26 01 50 52-0090		**96 Watt, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0044)*		
26 01 50 52-0091	EA	1 Lamp, 96 Watt, Instant Start, T8 Fluorescent Electronic Ballast	118.82	25.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
		For High Ballast Factor, Add	*18.27*	
26 01 50 52-0092	EA	2 Lamp, 96 Watt, Instant Start, T8 Fluorescent Electronic Ballast	125.14	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.49*	
		For High Ballast Factor, Add	*18.27*	
26 01 50 52-0093		**High-Output, T8HO Fluorescent Electronic Ballasts** *(26 01 50 52-0043)*		
		Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0094		**48 Watt, High-Output, T8HO Fluorescent Electronic Ballasts** *(26 01 50 52-0093)*		
26 01 50 52-0095	EA	1 Lamp, 48 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast	144.57	25.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
26 01 50 52-0096	EA	1 Lamp, 48 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast	189.06	25.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0097	EA	2 Lamp, 48 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast	150.89	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.49*	
26 01 50 52-0098	EA	2 Lamp, 48 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast	195.38	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.49*	
26 01 50 52-0099		**60 Watt, High-Output, T8HO Fluorescent Electronic Ballasts** *(26 01 50 52-0093)*		
26 01 50 52-0100	EA	1 Lamp, 60 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast	144.57	25.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
26 01 50 52-0101	EA	1 Lamp, 60 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast	189.06	25.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
26 01 50 52-0102	EA	2 Lamp, 60 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast	150.89	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.49*	
26 01 50 52-0103	EA	2 Lamp, 60 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast	195.38	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.49*	
26 01 50 52-0104		**72 Watt, High-Output, T8HO Fluorescent Electronic Ballasts** *(26 01 50 52-0093)*		
26 01 50 52-0105	EA	1 Lamp, 72 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast	144.57	25.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
26 01 50 52-0106	EA	1 Lamp, 72 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast	189.06	25.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
26 01 50 52-0107	EA	2 Lamp, 72 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast	150.89	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.49*	
26 01 50 52-0108	EA	2 Lamp, 72 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast	195.38	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.49*	
26 01 50 52-0109		**96 Watt, High-Output, T8HO Fluorescent Electronic Ballasts** *(26 01 50 52-0093)*		
26 01 50 52-0110	EA	1 Lamp, 96 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast	144.57	25.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
26 01 50 52-0111	EA	1 Lamp, 96 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast	189.06	25.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
26 01 50 52-0112	EA	2 Lamp, 96 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast	150.89	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.49*	
26 01 50 52-0113	EA	2 Lamp, 96 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast	195.38	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.49*	
26 01 50 52-0114		**Dimming, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0043)*		
26 01 50 52-0115		**Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0114)*		
		Note: Includes 120/277 Volt and high ballast factor.		
26 01 50 52-0116		**17 Watt, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0115)*		
26 01 50 52-0117	EA	1 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	71.51	25.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
26 01 50 52-0118	EA	2 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	77.83	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.49*	
26 01 50 52-0119	EA	3 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	89.64	37.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.39*	
26 01 50 52-0120	EA	4 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	108.14	44.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	
26 01 50 52-0121	EA	5 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	162.96	50.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.19*	
26 01 50 52-0122	EA	6 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	169.29	56.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.09*	
26 01 50 52-0123		**25 Watt, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0115)*		
26 01 50 52-0124	EA	1 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	71.51	25.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
26 01 50 52-0125	EA	2 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	77.83	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.49*	
26 01 50 52-0126	EA	3 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	89.64	37.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.39*	
26 01 50 52-0127	EA	4 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	108.14	44.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	
26 01 50 52-0128	EA	5 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	162.96	50.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.19*	
26 01 50 52-0129	EA	6 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	169.29	56.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.09*	
26 01 50 52-0130		**28 Watt, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0115)*		
26 01 50 52-0131	EA	1 Lamp, 28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	71.51	25.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
26 01 50 52-0132	EA	2 Lamp, 28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	77.83	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.49*	
26 01 50 52-0133	EA	3 Lamp, 28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	89.64	37.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0134	EA	4 Lamp, 28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	108.14	44.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	
26 01 50 52-0135	EA	5 Lamp, 28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	162.96	50.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.19*	
26 01 50 52-0136	EA	6 Lamp, 28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	169.29	56.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.09*	
26 01 50 52-0137		**32 Watt, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0115)*		
26 01 50 52-0138	EA	1 Lamp, 32 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	71.51	25.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
26 01 50 52-0139	EA	2 Lamp, 32 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	77.83	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.49*	
26 01 50 52-0140	EA	3 Lamp, 32 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	89.64	37.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.39*	
26 01 50 52-0141	EA	4 Lamp, 32 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	108.14	44.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	
26 01 50 52-0142	EA	5 Lamp, 32 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	162.96	50.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.19*	
26 01 50 52-0143	EA	6 Lamp, 32 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	169.29	56.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.09*	
26 01 50 52-0144		**40 Watt, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0115)*		
26 01 50 52-0145	EA	1 Lamp, 40 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	71.51	25.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
26 01 50 52-0146	EA	2 Lamp, 40 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	77.83	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.49*	
26 01 50 52-0147	EA	3 Lamp, 40 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	89.64	37.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.39*	
26 01 50 52-0148	EA	4 Lamp, 40 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	108.14	44.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	
26 01 50 52-0149	EA	5 Lamp, 40 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	162.96	50.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.19*	
26 01 50 52-0150	EA	6 Lamp, 40 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	169.29	56.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.09*	
26 01 50 52-0151		**Step Dimming, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0114)*		
		Note: Includes 120/277 Volt and high ballast factor.		
26 01 50 52-0152		**17 Watt, Step Dimming, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0151)*		
26 01 50 52-0153	EA	1 Lamp, 17 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	71.51	25.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
26 01 50 52-0154	EA	2 Lamp, 17 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	77.83	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.49*	
26 01 50 52-0155	EA	3 Lamp, 17 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	87.19	37.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.39*	
26 01 50 52-0156	EA	4 Lamp, 17 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	108.14	44.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	
26 01 50 52-0157	EA	5 Lamp, 17 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	155.20	50.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.19*	
26 01 50 52-0158	EA	6 Lamp, 17 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	161.53	56.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.09*	
26 01 50 52-0159		**25 Watt, Step Dimming, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0151)*		
26 01 50 52-0160	EA	1 Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	71.51	25.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
26 01 50 52-0161	EA	2 Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	77.83	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.49*	
26 01 50 52-0162	EA	3 Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	87.19	37.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.39*	
26 01 50 52-0163	EA	4 Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	108.14	44.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	
26 01 50 52-0164	EA	5 Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	155.20	50.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.19*	
26 01 50 52-0165	EA	6 Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	161.53	56.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.09*	
26 01 50 52-0166		**28 Watt, Step Dimming, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0151)*		
26 01 50 52-0167	EA	1 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	71.51	25.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
26 01 50 52-0168	EA	2 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	77.83	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.49*	
26 01 50 52-0169	EA	3 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	87.19	37.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.39*	
26 01 50 52-0170	EA	4 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	108.14	44.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	
26 01 50 52-0171	EA	5 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	155.20	50.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0172	EA	6 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	161.53	56.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.09*	

26 01 50 52-0173 32 Watt, Step Dimming, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0151)*

26 01 50 52-0174	EA	1 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	71.51	25.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
26 01 50 52-0175	EA	2 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	77.83	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.49*	
26 01 50 52-0176	EA	3 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	87.19	37.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.39*	
26 01 50 52-0177	EA	4 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	108.14	44.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	
26 01 50 52-0178	EA	5 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	155.20	50.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.19*	
26 01 50 52-0179	EA	6 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	161.53	56.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.09*	

26 01 50 52-0180 40 Watt, Step Dimming, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0151)*

26 01 50 52-0181	EA	1 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	71.51	25.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
26 01 50 52-0182	EA	2 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	77.83	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.49*	
26 01 50 52-0183	EA	3 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	87.19	37.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.39*	
26 01 50 52-0184	EA	4 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	108.14	44.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	
26 01 50 52-0185	EA	5 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	155.20	50.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.19*	
26 01 50 52-0186	EA	6 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	161.53	56.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.09*	

26 01 50 52-0187 Dimming To 3%, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0114)*

Note: Includes 120/277 Volt and normal ballast factor.

26 01 50 52-0188 17 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0187)*

26 01 50 52-0189	EA	1 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	178.69	25.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
26 01 50 52-0190	EA	2 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	185.01	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.49*	
26 01 50 52-0191	EA	3 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	221.03	37.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.39*	
26 01 50 52-0192	EA	4 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	227.36	44.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	

26 01 50 52-0193 25 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0187)*

26 01 50 52-0194	EA	1 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	178.69	25.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
26 01 50 52-0195	EA	2 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	185.01	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.49*	
26 01 50 52-0196	EA	3 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	221.03	37.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.39*	
26 01 50 52-0197	EA	4 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	227.36	44.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	

26 01 50 52-0198 28 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0187)*

26 01 50 52-0199	EA	1 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	178.69	25.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
26 01 50 52-0200	EA	2 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	185.01	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.49*	
26 01 50 52-0201	EA	3 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	221.03	37.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.39*	
26 01 50 52-0202	EA	4 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	227.36	44.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	

26 01 50 52-0203 32 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0187)*

26 01 50 52-0204	EA	1 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	178.69	25.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
26 01 50 52-0205	EA	2 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	185.01	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.49*	
26 01 50 52-0206	EA	3 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	221.03	37.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.39*	
26 01 50 52-0207	EA	4 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	227.36	44.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	

26 01 50 52-0208 T10 Fluorescent Ballasts *(26 01 50 52-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0209		T10 Fluorescent Electronic Ballasts *(26 01 50 52-0208)* Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0210		40 Watt, T10 Fluorescent Electronic Ballasts *(26 01 50 52-0209)*		
26 01 50 52-0211	EA	1 Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast	87.33	25.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
26 01 50 52-0212	EA	2 Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast	93.65	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.49*	
26 01 50 52-0213	EA	3 Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast	114.90	37.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.39*	
26 01 50 52-0214		T12 Fluorescent Ballasts *(26 01 50 52-0002)*		
26 01 50 52-0215		T12 Fluorescent Electronic Ballasts *(26 01 50 52-0214)* Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0216		25 Watt, T12 Fluorescent Electronic Ballasts *(26 01 50 52-0215)*		
26 01 50 52-0217	EA	1 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast	60.98	25.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
26 01 50 52-0218	EA	1 Lamp, 25 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	87.33	25.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
26 01 50 52-0219	EA	2 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast	67.30	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.49*	
26 01 50 52-0220	EA	2 Lamp, 25 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	93.65	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.49*	
26 01 50 52-0221	EA	3 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast	82.06	37.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.39*	
26 01 50 52-0222	EA	4 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast	93.87	44.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	
26 01 50 52-0223		30 Watt, T12 Fluorescent Electronic Ballasts *(26 01 50 52-0215)*		
26 01 50 52-0224	EA	1 Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	87.33	25.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
26 01 50 52-0225	EA	2 Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	93.65	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.49*	
26 01 50 52-0226	EA	3 Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	114.90	37.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.39*	
26 01 50 52-0227		34 Watt, T12 Fluorescent Electronic Ballasts *(26 01 50 52-0215)*		
26 01 50 52-0228	EA	1 Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	87.33	25.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
26 01 50 52-0229	EA	2 Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	93.65	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.49*	
26 01 50 52-0230	EA	3 Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	114.90	37.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.39*	
26 01 50 52-0231		40 Watt, T12 Fluorescent Electronic Ballasts *(26 01 50 52-0215)*		
26 01 50 52-0232	EA	1 Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	87.33	25.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
26 01 50 52-0233	EA	2 Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	93.65	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.49*	
26 01 50 52-0234	EA	3 Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	114.90	37.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.39*	
26 01 50 52-0235		96 Watt, T12 Fluorescent Electronic Ballasts *(26 01 50 52-0215)*		
26 01 50 52-0236	EA	1 Lamp, 96 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	110.13	25.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
26 01 50 52-0237	EA	2 Lamp, 96 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	125.14	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.49*	
26 01 50 52-0238		High-Output, T12HO Fluorescent Electronic Ballasts *(26 01 50 52-0214)* Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0239		48 Watt, High-Output, T12HO Fluorescent Electronic Ballasts *(26 01 50 52-0238)*		
26 01 50 52-0240	EA	1 Lamp, 48 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	145.07	25.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
26 01 50 52-0241	EA	2 Lamp, 48 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	151.39	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.49*	
26 01 50 52-0242		60 Watt, High-Output, T12HO Fluorescent Electronic Ballasts *(26 01 50 52-0238)*		
26 01 50 52-0243	EA	1 Lamp, 60 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	145.07	25.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
26 01 50 52-0244	EA	2 Lamp, 60 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	151.39	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0245		**72 Watt, High-Output, T12HO Fluorescent Electronic Ballasts** *(26 01 50 52-0238)*		
26 01 50 52-0246	EA	1 Lamp, 72 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	145.07	25.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
26 01 50 52-0247	EA	2 Lamp, 72 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	151.39	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.49*	
26 01 50 52-0248		**96 Watt, High-Output, T12HO Fluorescent Electronic Ballasts** *(26 01 50 52-0238)*		
26 01 50 52-0249	EA	2 Lamp, 96 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	145.07	25.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
26 01 50 52-0250	EA	2 Lamp, 96 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	151.39	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.49*	
26 01 50 52-0251		**Emergency Fluorescent Ballasts** *(26 01 50 52-0002)*		
		Note: 120/277 Volt.		
26 01 50 52-0252	EA	350 To 450 Lumens, One Lamp, Code Compliance, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B100)	225.89	25.32
		For Factory Installation In New Fixtures, Deduct	*-50.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.19*	
26 01 50 52-0253	EA	600 To 700 Lumens, Two Lamp, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B60)	376.75	31.64
		For Factory Installation In New Fixtures, Deduct	*-53.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.95*	
26 01 50 52-0254	EA	1,100 To 1,400 Lumens, One Or Two Lamp, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50)	470.28	31.64
		For Factory Installation In New Fixtures, Deduct	*-53.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.95*	
26 01 50 52-0255	EA	600 To 700 Lumens, One Or Two Lamp, Two Hour Illumination, Emergency Fluorescent Ballast (Bodine B70A)	345.48	31.64
		For Factory Installation In New Fixtures, Deduct	*-53.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.95*	
26 01 50 52-0256	EA	2,700 To 3,400 Lumens, Two Or Three Lamp, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B33)	1,652.81	37.97
		For Factory Installation In New Fixtures, Deduct	*-55.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.71*	
26 01 50 52-0257	EA	225 To 450 Lumens, One Lamp, Four Hour Illumination, Emergency Fluorescent Ballast (Bodine B54)	477.58	25.32
		For Factory Installation In New Fixtures, Deduct	*-50.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.19*	
26 01 50 52-0258	EA	325 To 1,000 Lumens, One Or Two Lamp, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B84CG)	805.77	31.64
		For Factory Installation In New Fixtures, Deduct	*-53.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.95*	
26 01 50 52-0259	EA	300 To 750 Lumens, One Or Two Lamp, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B94CG)	439.48	31.64
		For Factory Installation In New Fixtures, Deduct	*-53.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.95*	
26 01 50 52-0260	EA	200 To 625 Lumens, One Lamp, Ninety Minute Illumination, Damp Location, Emergency Compact Fluorescent Ballast (Bodine B413)	602.94	25.32
		For Factory Installation In New Fixtures, Deduct	*-50.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.19*	
26 01 50 52-0261	EA	300 To 650 Lumens, One Lamp, Damp Location, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B463)	465.64	25.32
		For Factory Installation In New Fixtures, Deduct	*-50.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.19*	
26 01 50 52-0262	EA	450 To 950 Lumens, One Or Two Lamp, Ninety Minute Illumination, Damp Location, Emergency Compact Fluorescent Ballast (Bodine B426)	526.61	31.64
		For Factory Installation In New Fixtures, Deduct	*-53.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.95*	
26 01 50 52-0263	EA	1,100 To 1,400 Lumens, One Or Two Lamp, Ninety Minute Illumination, Damp Location, Emergency Fluorescent Ballast (Bodine BDL500)	570.61	31.64
		For Factory Installation In New Fixtures, Deduct	*-53.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.95*	
26 01 50 52-0264	EA	600 To 700 Lumens, Two Lamp, Damp Location, Emergency Fluorescent Ballast (Bodine BDL600)	478.84	31.64
		For Factory Installation In New Fixtures, Deduct	*-53.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.95*	
26 01 50 52-0265	EA	600 To 700 Lumens, One Lamp, Two Hour Illumination, Emergency Fluorescent Ballast (Bodine BDL700)	486.70	25.32
		For Factory Installation In New Fixtures, Deduct	*-50.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.19*	
26 01 50 52-0266	EA	500 To 600 Lumens, One Lamp, Damp Location, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine BDL900)	423.09	25.32
		For Factory Installation In New Fixtures, Deduct	*-50.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.19*	
26 01 50 52-0267	EA	300 To 750 Lumens, One Or Two Lamp, Damp Location, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine BDL94C)	439.48	31.64
		For Factory Installation In New Fixtures, Deduct	*-53.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.95*	
26 01 50 52-0268	EA	450 Lumens, One Lamp, Low Profile, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine LP400)	429.95	25.32
		For Factory Installation In New Fixtures, Deduct	*-50.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.19*	
26 01 50 52-0269	EA	1,100 To 1,400 Lumens, One Or Two Lamp, Self Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50ST)	792.97	31.64
		For Factory Installation In New Fixtures, Deduct	*-53.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0270	EA	1,800 To 3,500 Lumens, One Or Two Lamp, Self Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B30ST)	993.66	31.64
		For Factory Installation In New Fixtures, Deduct	*-53.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.95*	
26 01 50 52-0271	EA	1,450 To 3,500 Lumens, One Or Two Lamp, Remote Control Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B30RCT)	1,866.59	31.64
		For Factory Installation In New Fixtures, Deduct	*-53.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.95*	
26 01 50 52-0272	EA	1,100 To 1,400 Lumens, One Or Two Lamp, Remote Control Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50RCT)	1,294.10	31.64
		For Factory Installation In New Fixtures, Deduct	*-53.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.95*	
26 01 50 52-0273	EA	1,100 To 3,100 Lumens, One Or Two Lamp, Central Battery, Emergency Fluorescent Ballast With Voltage Sensing Circuit (Bodine CB90-48)	654.03	31.64
		For Factory Installation In New Fixtures, Deduct	*-53.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.95*	
26 01 50 52-0274	EA	1,050 To 3,200 Lumens, One Lamp, Interim Lighting For Generator Backup, Five Minute Illumination, Emergency Fluorescent Ballast (Bodine GEN1)	850.73	25.32
		For Factory Installation In New Fixtures, Deduct	*-50.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.19*	
26 01 50 52-0275	EA	250 Watt, Self-Diagnostic, Ninety Minute Illumination, Fluorescent Emergency Lighting Inverter (Bodine ELI-250-SD)	4,796.03	31.64
		For Factory Installation In New Fixtures, Deduct	*-50.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.19*	

26 01 50 52-0276 LED Emergency Ballasts *(26 01 50 52-0001)*

26 01 50 52-0277	EA	Up To 520 Lumens, Ninety Minute Illumination, 120-277 Volt, 4 Watt Output, Emergency LED Driver (Bodine BSL4L)	169.21	25.32
		For Factory Installation In New Fixtures, Deduct	*-50.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.19*	
26 01 50 52-0278	EA	Up To 780 Lumens, Ninety Minute Illumination, 120-277 Volt, 6 Watt Output, Emergency LED Driver (Bodine BSL6LST)	257.17	25.32
		For Factory Installation In New Fixtures, Deduct	*-50.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.19*	
26 01 50 52-0279	EA	Up To 975 Lumens, Ninety Minute Illumination, 120-277 Volt, 7.5 Watt Output, Emergency LED Driver (Bodine BSL17C)	309.92	25.32
		For Factory Installation In New Fixtures, Deduct	*-50.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.19*	
26 01 50 52-0280	EA	Up To 1,300 Lumens, Ninety Minute Illumination, 120-277 Volt, 10 Watt Output, Emergency LED Driver (Bodine BSL310)	347.58	25.32
		For Factory Installation In New Fixtures, Deduct	*-50.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.19*	
26 01 50 52-0281	EA	Up To 2,200 Lumens, Ninety Minute Illumination, 120-277 Volt, 18 Watt Output, Emergency LED Driver (Bodine BSL718)	357.10	25.32
		For Factory Installation In New Fixtures, Deduct	*-50.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.19*	
26 01 50 52-0282	EA	Up To 2,600 Lumens, Ninety Minute Illumination, 120-277 Volt, 20 Watt Output, Emergency LED Driver (Bodine BSL20LV)	467.35	25.32
		For Factory Installation In New Fixtures, Deduct	*-50.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.19*	
26 01 50 52-0283	EA	Up To 2,300 Lumens, Ninety Minute Illumination, 120-277 Volt, 23 Watt LED Emergency Battery Backup (LiteTronics EB23UQ)	555.80	25.32
		For Factory Installation In New Fixtures, Deduct	*-50.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.19*	

26 01 50 52-0284 Compact Fluorescent Ballasts *(26 01 50 52-0001)*

26 01 50 52-0285 Compact Fluorescent Electronic Ballasts *(26 01 50 52-0284)*

Note: Includes 120/277 Volt and normal ballast factor.

26 01 50 52-0286 18 Watt, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0285)*

26 01 50 52-0287	EA	1 Lamp, 18 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	134.24	25.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
26 01 50 52-0288	EA	2 Lamp, 18 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	140.56	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.49*	

26 01 50 52-0289 26 Watt, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0285)*

26 01 50 52-0290	EA	1 Lamp, 26 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	134.24	25.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
26 01 50 52-0291	EA	2 Lamp, 26 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	140.56	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.49*	

26 01 50 52-0292 32 Watt, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0285)*

26 01 50 52-0293	EA	1 Lamp, 32 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	167.21	25.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
26 01 50 52-0294	EA	2 Lamp, 32 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	173.53	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.49*	

26 01 50 52-0295 40 Watt, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0285)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0296	EA	1 Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast	130.30	25.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
26 01 50 52-0297	EA	1 Lamp, 40 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	167.21	25.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
26 01 50 52-0298	EA	2 Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast	247.39	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.49*	
26 01 50 52-0299	EA	2 Lamp, 40 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	173.53	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.49*	
26 01 50 52-0300	EA	3 Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast	292.30	37.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.39*	
26 01 50 52-0301		42 Watt, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0285)*		
26 01 50 52-0302	EA	1 Lamp, 42 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	167.21	25.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
26 01 50 52-0303	EA	2 Lamp, 42 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	173.53	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.49*	
26 01 50 52-0304		55 Watt, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0285)*		
26 01 50 52-0305	EA	1 Lamp, 55 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	167.21	25.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
26 01 50 52-0306	EA	2 Lamp, 55 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	173.53	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.49*	
26 01 50 52-0307		Dimming, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0284)*		
26 01 50 52-0308		Dimming To 5%, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0307)* Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0309		18 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0308)*		
26 01 50 52-0310	EA	1 Lamp, 18 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	251.53	25.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
26 01 50 52-0311	EA	2 Lamp, 18 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	257.85	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.49*	
26 01 50 52-0312		26 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0308)*		
26 01 50 52-0313	EA	1 Lamp, 26 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	251.53	25.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
26 01 50 52-0314	EA	2 Lamp, 26 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	257.85	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.49*	
26 01 50 52-0315		32 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0308)*		
26 01 50 52-0316	EA	1 Lamp, 32 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	251.53	25.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
26 01 50 52-0317	EA	2 Lamp, 32 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	276.05	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.49*	
26 01 50 52-0318		40 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0308)*		
26 01 50 52-0319	EA	2 Lamp, 40 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	276.05	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.49*	
26 01 50 52-0320		42 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0308)*		
26 01 50 52-0321	EA	1 Lamp, 42 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	251.53	25.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
26 01 50 52-0322	EA	2 Lamp, 42 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	276.05	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.49*	
26 01 50 52-0323		55 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0308)*		
26 01 50 52-0324	EA	1 Lamp, 55 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	404.08	25.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
26 01 50 52-0325	EA	2 Lamp, 55 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	453.21	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.49*	
26 01 50 52-0326		High Intensity Discharge (HID) Ballasts *(26 01 50 52-0001)*		
26 01 50 52-0327		Magnetic High Intensity Discharge (HID) Ballasts *(26 01 50 52-0326)*		
26 01 50 52-0328		Core And Coil High Intensity Discharge (HID) Ballasts *(26 01 50 52-0327)*		
26 01 50 52-0329		Metal Halide, Core And Coil High Intensity Discharge (HID) Ballasts *(26 01 50 52-0328)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0330	EA	1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	168.63	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	
26 01 50 52-0331	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	172.65	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	
26 01 50 52-0332	EA	1 Lamp, 250 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	172.65	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	
26 01 50 52-0333	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	161.20	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	
26 01 50 52-0334	EA	1 Lamp, 400 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	161.20	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	
26 01 50 52-0335	EA	1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	237.91	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	
26 01 50 52-0336	EA	1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	237.91	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	
26 01 50 52-0337	EA	1 Lamp, 1,500 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	305.48	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	
26 01 50 52-0338	EA	1 Lamp, 1,500 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	339.94	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	

26 01 50 52-0339 High Pressure Sodium, Core And Coil High Intensity Discharge (HID) Ballasts *(26 01 50 52-0328)*

26 01 50 52-0340	EA	1 Lamp, 50 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	152.74	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	
26 01 50 52-0341	EA	1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	161.73	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	
26 01 50 52-0342	EA	1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	157.85	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	
26 01 50 52-0343	EA	1 Lamp, 150 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	184.87	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	
26 01 50 52-0344	EA	1 Lamp, 150 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	181.01	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	
26 01 50 52-0345	EA	1 Lamp, 250 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	206.08	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	
26 01 50 52-0346	EA	1 Lamp, 250 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	206.08	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	
26 01 50 52-0347	EA	1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	247.78	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	
26 01 50 52-0348	EA	1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	247.78	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	
26 01 50 52-0349	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	394.11	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	
26 01 50 52-0350	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	394.11	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	

26 01 50 52-0351 Mounting Brackets For Core And Coil High Intensity Discharge (HID) Ballasts *(26 01 50 52-0328)*

26 01 50 52-0352	EA	Single Mounting Bracket For Core And Coil Type	18.80	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.80*	
26 01 50 52-0353	EA	Double Mounting Bracket For Core And Coil Type	31.33	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.70*	

26 01 50 52-0354 F-Can High Intensity Discharge (HID) Ballasts *(26 01 50 52-0327)*

26 01 50 52-0355 Metal Halide, F-Can High Intensity Discharge (HID) Ballasts *(26 01 50 52-0354)*

26 01 50 52-0356	EA	1 Lamp, 70 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	212.91	31.64
		For Pulse Start Ballast, Add	*16.86*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	
26 01 50 52-0357	EA	1 Lamp, 100 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	224.06	31.64
		For Pulse Start Ballast, Add	*17.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	
26 01 50 52-0358	EA	1 Lamp, 175 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	204.46	31.64
		For Pulse Start Ballast, Add	*16.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	
26 01 50 52-0359	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	236.67	31.64
		For Pulse Start Ballast, Add	*19.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	
26 01 50 52-0360	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	326.92	31.64
		For Pulse Start Ballast, Add	*28.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	

26 01 50 52-0361 High Pressure Sodium, F-Can High Intensity Discharge (HID) Ballasts *(26 01 50 52-0354)*

26 01 50 52-0362	EA	1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	255.17	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	
26 01 50 52-0363	EA	1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	272.56	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	

26 01 50 52-0364 Postline High Intensity Discharge (HID) Ballasts *(26 01 50 52-0327)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0365		**Metal Halide, Postline High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0364)*		
26 01 50 52-0366	EA	1 Lamp, 50 Watt Metal Halide, 120 Volt, Postline High Intensity Discharge (HID) Ballast	421.83	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	
26 01 50 52-0367		**High Pressure Sodium, Postline High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0364)*		
26 01 50 52-0368	EA	1 Lamp, 70 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast	647.52	31.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.26*	
26 01 50 52-0369	EA	1 Lamp, 100 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast	721.63	31.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.26*	
26 01 50 52-0370	EA	1 Lamp, 150 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast	695.99	31.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.26*	
26 01 50 52-0371		**Indoor Enclosed High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0327)*		
26 01 50 52-0372		**Metal Halide, Indoor Enclosed High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0371)*		
26 01 50 52-0373	EA	1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	518.37	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	
26 01 50 52-0374	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	587.76	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	
26 01 50 52-0375	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	774.92	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	
26 01 50 52-0376	EA	1 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	770.89	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	
26 01 50 52-0377	EA	2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	1,078.59	34.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.05*	
26 01 50 52-0378	EA	2 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	1,078.59	34.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.05*	
26 01 50 52-0379	EA	1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	743.35	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	
26 01 50 52-0380	EA	1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	873.79	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	
26 01 50 52-0381		**High Pressure Sodium, Indoor Enclosed High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0371)*		
26 01 50 52-0382	EA	1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	963.48	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	
26 01 50 52-0383	EA	1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	917.51	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	
26 01 50 52-0384	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	1,178.14	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	
26 01 50 52-0385	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	1,178.14	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	
26 01 50 52-0386		**Outdoor Weatherproof High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0327)*		
26 01 50 52-0387		**Metal Halide, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0386)*		
26 01 50 52-0388	EA	1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	581.96	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	
26 01 50 52-0389	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	628.28	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	
26 01 50 52-0390	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	623.72	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	
26 01 50 52-0391	EA	1 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	654.75	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	
26 01 50 52-0392	EA	2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	1,038.12	34.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.05*	
26 01 50 52-0393	EA	2 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	1,275.08	34.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.05*	
26 01 50 52-0394	EA	1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	968.87	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	
26 01 50 52-0395	EA	1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	882.47	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	
26 01 50 52-0396		**High Pressure Sodium, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0386)*		
26 01 50 52-0397	EA	1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	750.03	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	
26 01 50 52-0398	EA	1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	808.45	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	
26 01 50 52-0399	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	1,205.10	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0400	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	1,037.51	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	

26 01 50 52-0401 Electronic High Intensity Discharge (HID) Ballasts *(26 01 50 52-0326)*

26 01 50 52-0402 Electronic Low Frequency High Intensity Discharge (HID) Ballasts *(26 01 50 52-0401)*

26 01 50 52-0403	EA	1 Lamp, 70 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	235.12	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	
26 01 50 52-0404	EA	1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	235.12	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	
26 01 50 52-0405	EA	1 Lamp, 150 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	264.40	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	
26 01 50 52-0406	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	674.72	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	
26 01 50 52-0407	EA	1 Lamp, 300 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	674.72	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	
26 01 50 52-0408	EA	1 Lamp, 320 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	674.72	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	
26 01 50 52-0409	EA	1 Lamp, 350 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	674.72	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	
26 01 50 52-0410	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	674.72	31.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	

26 01 50 52-0411 Owner Supplied Ballasts *(26 01 50 52-0001)*

26 01 50 52-0412	EA	Install Owner Supplied, 1 Lamp Fluorescent Ballast	25.32	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
26 01 50 52-0413	EA	Install Owner Supplied, 2 Lamp Fluorescent Ballast	31.64	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.49*	
26 01 50 52-0414	EA	Install Owner Supplied, 3 Lamp Fluorescent Ballast	36.71	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.01*	
26 01 50 52-0415	EA	Install Owner Supplied, 4 Lamp Fluorescent Ballast	39.24	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.77*	
26 01 50 52-0416	EA	Install Owner Supplied, 1 Lamp High Intensity Discharge (HID) Ballast	44.30	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	
26 01 50 52-0417	EA	Install Owner Supplied, 2 Lamp High Intensity Discharge (HID) Ballast	46.84	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.05*	

26 01 50 53 Lens and Accessory Replacement *(26 01 50)*

26 01 50 53-0001 Lens and Accessory Replacement *(26 01 50 53)*

26 01 50 53-0002	EA	Removal And Replacement Of Parabolic Aluminum Louver	85.97	
26 01 50 53-0003	EA	Removal And Replacement Of Visor For Fixtures	192.89	
26 01 50 53-0004	EA	Removal And Replacement Of Globe On Pole	215.35	
26 01 50 53-0005	EA	Removal And Replacement Of Lenses For Flat Top Pole Fixtures	91.95	
26 01 50 53-0006	EA	Removal And Replacement Of 1' x 4' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser	31.77	
26 01 50 53-0007	EA	Removal And Replacement Of 2' x 2' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser	32.82	
26 01 50 53-0008	EA	Removal And Replacement Of 2' x 4' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser	37.36	
26 01 50 53-0009	EA	Removal And Replacement Of Slide-On Lampholder	14.27	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.79*	
26 01 50 53-0010	EA	Removal And Replacement Of Screw Mount Lampholder	14.44	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.79*	
26 01 50 53-0011	EA	Removal And Replacement Of Medium Bi-Pin Lampholder	15.82	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.79*	
26 01 50 53-0012	EA	Removal And Replacement Of Fixed High Output Lampholder, Recessed, Double Contact Double Pedestal Type	17.95	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.79*	
26 01 50 53-0013	EA	Removal And Replacement Of Plunger High Output Lampholder, Recessed, Double Contact Double Pedestal Type	19.34	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.79*	
26 01 50 53-0014	EA	Removal And Replacement Of Compact Twin-Tube Lampholder, Snap-in	15.61	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.79*	
26 01 50 53-0015	EA	Removal And Replacement Of Exterior Light Globes	61.52	

26 01 50 54 Light Fixture Driver Replacement *(26 01 50)*

26 01 50 54-0001 Factory Replacement Of Light Fixture Driver *(26 01 50 54)*

26 01 50 54-0002	EA	Factory Replacement Of Existing Flight Fixture Transformers To 480 Volt Note: Includes shipping to manufacture, factory re-work, parts, return shipping.	1,338.69	

26 01 50 71 Historic Lighting Restoration *(26 01 50)*

26 01 50 71-0001 Historic Lighting Restoration *(26 01 50 71)*

26 01 50 71-0002	LS	Remove, Restore, And Reinstall Historic Decorative Light Fixtures Note: Remove, Restore, and Reinstall (9) Original Decorative Light fixtures per the "Secretary of the Interior's Standards for Rehabilitation" published in the most current edition of the United States National Park Service in "The Secretary of the Interior's Standards for the Treatment of Historic Properties." Include one (1) mock up, Re-sculpting of missing ornamental woodwork, cleaning, refinishing exterior woodwork, installing new wax paper finish on two lights and using salvaged light paper to repair (3) additional lights including faux finishing to match the original distressed paper patina finish, and re-lamp with new LED bulbs.	27,400.00	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 01 50 81 Luminaire Replacement *(26 01 50)*

26 01 50 81-0001 Retrofit Lighting Fixtures *(26 01 50 81)*

26 01 50 81-0002 LED Lighting Retrofits For Existing Fixtures *(26 01 50 81-0001)*

26 01 50 81-0003 LED Lighting Retrofits For Existing Downlight Fixtures (GreenCreative) *(26 01 50 81-0002)*

Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 81-0004	EA	7" Round Downlight, 15 Watt, 2700K CCT, LED Retrofit (GreenCreative 15SMPR7DIM/927)	104.77	
26 01 50 81-0005	EA	7" Round Downlight, 15 Watt, 3000K CCT, LED Retrofit (GreenCreative 15SMPR7DIM/930)	104.77	
26 01 50 81-0006	EA	7" Round Downlight, 15 Watt, 4000K CCT, LED Retrofit (GreenCreative 15SMPR7DIM/940)	104.77	
26 01 50 81-0007	EA	4" Diameter, 8.5 Watt, 2700K CCT, THINFIT LED Downlight, (GreenCreative 8.5DLNC4DIM/827)	87.88	
26 01 50 81-0008	EA	4" Diameter, 8.5 Watt, 3000K CCT, THINFIT LED Downlight, (GreenCreative 8.5DLNC4DIM/830)	87.88	
26 01 50 81-0009	EA	4" Diameter, 8.5 Watt, 4000K CCT, THINFIT LED Downlight, (GreenCreative 8.5DLNC4DIM/840)	87.88	
26 01 50 81-0010	EA	6" Diameter, 11.6 Watt, 2700K CCT, THINFIT LED Downlight, (GreenCreative 11.6DLNC6DIM/827)	94.99	
26 01 50 81-0011	EA	6" Diameter, 11.6 Watt, 3000K CCT, THINFIT LED Downlight, (GreenCreative 11.6DLNC6DIM/830)	94.99	
26 01 50 81-0012	EA	6" Diameter, 11.6 Watt, 4000K CCT, THINFIT LED Downlight, (GreenCreative 11.6DLNC6DIM/840)	94.99	

26 01 50 81-0013 LED Lighting Retrofits For Existing Site Fixtures (Daylight Technology) *(26 01 50 81-0002)*

Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 81-0014	EA	2,300 Lumens, 23 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-20w)	294.52	
26 01 50 81-0015	EA	3,300 Lumens, 33 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-30w)	305.19	
26 01 50 81-0016	EA	4,400 Lumens, 44 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-40w)	315.85	
26 01 50 81-0017	EA	5,400 Lumens, 54 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-50w)	329.03	
26 01 50 81-0018	EA	6,500 Lumens, 65 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-60w)	360.14	
26 01 50 81-0019	EA	7,600 Lumens, 75 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-70w)	373.33	
26 01 50 81-0020	EA	8,600 Lumens, 86 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-80w)	402.66	
26 01 50 81-0021	EA	9,600 Lumens, 96 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-90w)	413.32	
26 01 50 81-0022	EA	10,700 Lumens, 107 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-100w)	426.51	
26 01 50 81-0023	EA	11,700 Lumens, 117 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-110w)	446.06	
26 01 50 81-0024	EA	12,800 Lumens, 128 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-120w)	467.25	
26 01 50 81-0025	EA	13,800 Lumens, 138 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-130w)	487.69	
26 01 50 81-0026	EA	14,900 Lumens, 149 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-140w)	498.36	
26 01 50 81-0027	EA	16,100 Lumens, 161 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-150w)	516.13	
26 01 50 81-0028	EA	17,200 Lumens, 172 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-160w)	537.69	
26 01 50 81-0029	EA	18,200 Lumens, 182 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-170w)	559.90	
26 01 50 81-0030	EA	19,300 Lumens, 193 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-180w)	593.67	
26 01 50 81-0031	EA	20,300 Lumens, 203 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-190w)	608.78	
26 01 50 81-0032	EA	21,400 Lumens, 214 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-200w)	635.31	
26 01 50 81-0033	EA	22,400 Lumens, 224 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-210w)	669.97	
26 01 50 81-0034	EA	23,500 Lumens, 235 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-220w)	687.74	
26 01 50 81-0035	EA	24,500 Lumens, 245 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-230w)	730.62	
26 01 50 81-0036	EA	25,600 Lumens, 256 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-240w)	769.73	
26 01 50 81-0037	EA	26,600 Lumens, 266 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-250w)	797.14	
26 01 50 81-0038	EA	27,700 Lumens, 277 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-260w)	835.35	
26 01 50 81-0039	EA	28,700 Lumens, 287 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-270w)	909.87	
26 01 50 81-0040	EA	29,800 Lumens, 298 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-280w)	918.76	
26 01 50 81-0041	EA	31,900 Lumens, 319 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-300w)	942.10	

26 01 50 81-0042 LED Lighting Retrofits For Existing Fixtures (Optilumen) *(26 01 50 81-0002)*

Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 81-0043	EA	20 Watt, 1 x 42", 3500L CCT, LED Retrofit Kit (Optilumen RKT1418M-35) Note: Fits 1' x 4' Troffer/Strip	128.89	
26 01 50 81-0044	EA	20 Watt, 1 x 42", 4000L CCT, LED Retrofit Kit (Optilumen RKT1418M-40) Note: Fits 1' x 4' Troffer/Strip	128.89	
26 01 50 81-0045	EA	20 Watt, 1 x 42", 5000L CCT, LED Retrofit Kit (Optilumen RKT1418M-50) Note: Fits 1' x 4' Troffer/Strip	128.89	
26 01 50 81-0046	EA	30 Watt, 2 x 42", 3500L CCT, LED Retrofit Kit (Optilumen RKT2415M-35) Note: Fits 2' x 4' Troffer/Strip	133.34	
26 01 50 81-0047	EA	2 x 42", 30 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT2415M-40) Note: Fits 2' x 4' Troffer/Strip	133.34	
26 01 50 81-0048	EA	2 x 42", 30 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT2415M-50) Note: Fits 2' x 4' Troffer/Strip	133.34	
26 01 50 81-0049	EA	2 x 42", 40 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT2418M-35) Note: Fits 2' x 4' Troffer/Strip	142.22	
26 01 50 81-0050	EA	2 x 42", 40 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT2418M-40) Note: Fits 2' x 4' Troffer/Strip	142.22	
26 01 50 81-0051	EA	2 x 42", 40 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT2418M-50) Note: Fits 2' x 4' Troffer/Strip	142.22	
26 01 50 81-0052	EA	3 x 42", 30 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3415M-35) Note: Fits 2' x 4' Troffer/Strip	133.34	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0053	EA	3 x 42", 30 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3415M-40) Note: Fits 2' x 4' Troffer/Strip	133.34	
26 01 50 81-0054	EA	3 x 42", 30 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3415M-50) Note: Fits 2' x 4' Troffer/Strip	133.34	
26 01 50 81-0055	EA	3 x 42", 40 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3418M-35) Note: Fits 2' x 4' Troffer/Strip	142.22	
26 01 50 81-0056	EA	3 x 42", 40 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3418M-40) Note: Fits 2' x 4' Troffer/Strip	142.22	
26 01 50 81-0057	EA	3 x 42", 40 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3418M-50) Note: Fits 2' x 4' Troffer/Strip	142.22	
26 01 50 81-0058	EA	3 x 42", 60 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3424M-35) Note: Fits 2' x 4' Troffer/Strip	160.00	
26 01 50 81-0059	EA	3 x 42", 60 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3424M-40) Note: Fits 2' x 4' Troffer/Strip	160.00	
26 01 50 81-0060	EA	3 x 42", 60 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3424M-50) Note: Fits 2' x 4' Troffer/Strip	160.00	
26 01 50 81-0061	EA	1 x 21", 10 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT1209M-35) Note: Fits 1' x 2' Troffer/Strip	128.89	
26 01 50 81-0062	EA	1 x 21", 10 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT1209M-40) Note: Fits 1' x 2' Troffer/Strip	128.89	
26 01 50 81-0063	EA	1 x 21", 10 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT1209M-50) Note: Fits 1' x 2' Troffer/Strip	128.89	
26 01 50 81-0064	EA	2 x 21", 22 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT2209M-35) Note: Fits 2' x 2' Troffer/Strip	128.89	
26 01 50 81-0065	EA	2 x 21", 22 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT2209M-40) Note: Fits 2' x 2' Troffer/Strip	128.89	
26 01 50 81-0066	EA	2 x 21", 22 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT2209M-50) Note: Fits 2' x 2' Troffer/Strip	128.89	
26 01 50 81-0067	EA	3 x 21", 20 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3209M-35) Note: Fits 2' x 2' Troffer/Strip	133.34	
26 01 50 81-0068	EA	3 x 21", 20 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3209M-40) Note: Fits 2' x 2' Troffer/Strip	133.34	
26 01 50 81-0069	EA	3 x 21", 20 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3209M-50) Note: Fits 2' x 2' Troffer/Strip	133.34	
26 01 50 81-0070	EA	3 x 21", 30 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3210M-35) Note: Fits 2' x 2' Troffer/Strip	138.67	
26 01 50 81-0071	EA	3 x 21", 30 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3210M-40) Note: Fits 2' x 2' Troffer/Strip	138.67	
26 01 50 81-0072	EA	3 x 21", 30 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3210M-50) Note: Fits 2' x 2' Troffer/Strip	138.67	
26 01 50 81-0073		LED Lighting Retrofits For Existing Lay-In/Troffer Fixtures (LG) *(26 01 50 81-0002)* Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 01 50 81-0074	EA	34 Watt, 3500K CCT, 2' x 4', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X4RT-34-35-4400-R(W)-SN)	275.31	
26 01 50 81-0075	EA	34 Watt, 4000K CCT, 2' x 4', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X4RT-34-40-4500-R(W)-SN)	275.31	
26 01 50 81-0076	EA	26 Watt, 3500K CCT, 2' x 2', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X2RT-26-35-3400-R(W)-SN)	249.54	
26 01 50 81-0077	EA	26 Watt, 4000K CCT, 2' x 2', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X2RT-26-40-3400-R(W)-SN)	249.54	
26 01 50 81-0078	EA	25 Watt, 3,250 Lumens, 3500K CCT, Lay-In Retrofit 2' x 2' Troffer (LG LGE-2X2SI-25-35-3200-RV) Note: No sensor, ZigBee ready driver	129.69	
26 01 50 81-0079	EA	25 Watt, 3,250 Lumens, 4000K CCT, Lay-In Retrofit 2' x 2' Troffer (LG LGE-2X2SI-25-40-3200-RV) Note: No sensor, ZigBee ready driver	129.69	
26 01 50 81-0080	EA	31 Watt, 4,050 Lumens, 3500K CCT, Lay-In Retrofit 2' x 4' Troffer (LG LGE-2X2SI-31-35-3200-RV) Note: No sensor, ZigBee ready driver	146.58	
26 01 50 81-0081	EA	31 Watt, 4,050 Lumens, 4000K CCT, Lay-In Retrofit 2' x 4' Troffer (LG LGE-2X2SI-31-40-3200-RV) Note: No sensor, ZigBee ready driver	146.58	
26 01 50 81-0082	EA	25 Watt, 3,250 Lumens, 3500K CCT, Lay-In Retrofit 2' x 2' Troffer With Sensor Connect (LG LGE-2X2SC-25-35-3200-RV) Note: Factory installed sensor and ZigBee dongle	159.02	
26 01 50 81-0083	EA	25 Watt, 3,250 Lumens, 4000K CCT, Lay-In Retrofit 2' x 2' Troffer With Sensor Connect (LG LGE-2X2SC-25-40-3200-RV) Note: Factory installed sensor and ZigBee dongle	159.02	
26 01 50 81-0084	EA	31 Watt, 3,250 Lumens, 3500K CCT, Lay-In Retrofit 2' x 4' Troffer With Sensor Connect (LG LGE-2X2SC-31-35-3200-RV) Note: Factory installed sensor and ZigBee dongle	163.46	
26 01 50 81-0085	EA	31 Watt, 3,250 Lumens, 4000K CCT, Lay-In Retrofit 2' x 4' Troffer With Sensor Connect (LG LGE-2X2SC-31-40-3200-RV) Note: Factory installed sensor and ZigBee dongle	163.46	
26 01 50 81-0086	EA	2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 3500K CCT, Retrofit Board Kits (LG LGE-2BDK-25-35-3120) Note: No sensor, ZigBee ready driver	103.92	
26 01 50 81-0087	EA	2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 4000K CCT, Retrofit Board Kits (LG LGE-2BDK-25-40-3120) Note: No sensor, ZigBee ready driver	103.92	
26 01 50 81-0088	EA	2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 3500K CCT, Retrofit Board Kits (LG LGE-4BDK-31-35-3880) Note: No sensor, ZigBee ready driver	114.59	
26 01 50 81-0089	EA	2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 4000K CCT, Retrofit Board Kits (LG LGE-4BDK-31-40-3880) Note: No sensor, ZigBee ready driver	114.59	
26 01 50 81-0090	EA	2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 3500K CCT, With Lens Retrofit Board Kits (LG LGE-2BDK-25-35-3120-L) Note: No sensor, ZigBee ready driver	106.59	
26 01 50 81-0091	EA	2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 4000K CCT, With Lens Retrofit Board Kits (LG LGE-2BDK-25-40-3120-L) Note: No sensor, ZigBee ready driver	106.59	
26 01 50 81-0092	EA	2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 3500K CCT, With Lens Retrofit Board Kits (LG LGE-4BDK-31-35-3880-L) Note: No sensor, ZigBee ready driver	117.25	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0093	EA	2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 4000K CCT, With Lens Retrofit Board Kits (LG LGE-4BDK-31-40-3880-L) Note: No sensor, ZigBee ready driver	117.25	
26 01 50 81-0094	EA	6" Diameter, 16 Watt, 1,450 Lumens, 3500K CCT, Comm Retrofit Downlight (LG LGE-CRDL-16-35-1450) Note: No sensor, ZigBee ready driver	105.70	
26 01 50 81-0095	EA	6" Diameter, 16 Watt, 1,450 Lumens, 4000K CCT, Comm Retrofit Downlight (LG LGE-CRDL-16-40-1450) Note: No sensor, ZigBee ready driver	105.70	
26 01 50 81-0096	EA	8" Diameter, 22 Watt, 2,000 Lumens, 3500K CCT, Comm Retrofit Downlight (LG LGE-CRDL-22-35-2000) Note: No sensor, ZigBee ready driver	113.70	
26 01 50 81-0097	EA	8" Diameter, 22 Watt, 2,000 Lumens, 4000K CCT, Comm Retrofit Downlight (LG LGE-CRDL-22-40-2000) Note: No sensor, ZigBee ready driver	113.70	

26 01 50 81-0098 LED Lighting Retrofit Accessories (LG) *(26 01 50 81-0002)*

See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 81-0099	EA	Dongle (LG LGE-DONGLE)	25.84	
26 01 50 81-0100	EA	1-group On/Off/Dim, 2-Button, Wireless Switch (LG LGE-SWITCH-BAT-2B)	141.29	14.40
26 01 50 81-0101	EA	2-group On/Off/Dim, 4-Button, Wireless Switch (LG LGE-SWITCH-BAT-4B)	147.05	17.27
26 01 50 81-0102	EA	1-group On/Off/Dim, 2-Button, AC Powered Switch (LG LGE-SWITCH-AC-2B)	181.47	14.40
26 01 50 81-0103	EA	2-group On/Off/Dim, 4-Button, AC Powered Switch (LG LGE-SWITCH-AC-4B)	187.23	17.27
26 01 50 81-0104	EA	Photo, Motion Sensor With ZigBee Dongle plugin (LG LGE-MULTI-SENSOR)	93.35	11.52
26 01 50 81-0105	EA	Tube Clip For Multi Sensor (LG LGE-TUBE-CLIP)	31.32	11.52
26 01 50 81-0106	EA	Ceiling Plate For Multi Sensor (LG LGE-CEILING-PLATE)	33.67	11.52
26 01 50 81-0107	EA	Wireless Interface Module (LG PIHN-W005A) Note: includes dongle	87.79	17.27

26 01 50 81-0108 Retrofit Existing (T12) Fluorescent Fixtures *(26 01 50 81-0001)*

Note: Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 02 84 16 00-0008 for leaking ballast disposal.

26 01 50 81-0109 Retrofit Existing (T12) Strip Style Fluorescent Fixtures Without Reflector *(26 01 50 81-0108)*

Note: Includes ballast, white reflective ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.

26 01 50 81-0110	EA	Retrofit An Existing 4' (T12) Strip Style Fixture Without Reflector To Operate One 4' (T8) Lamp	114.44	
		For Specular Ballast Cover, Add	*14.05*	
26 01 50 81-0111	EA	Retrofit An Existing 4' (T12) Strip Style Fixture Without Reflector To Operate Two 4' (T8) Lamps	121.40	
		For Specular Ballast Cover, Add	*15.44*	
26 01 50 81-0112	EA	Retrofit An Existing 8' (T12) Strip Style Fixture Without Reflector To Operate Two 4' (T8) Lamps	164.09	
		For Specular Ballast Cover, Add	*23.98*	
26 01 50 81-0113	EA	Retrofit An Existing 8' (T12) Strip Style Fixture Without Reflector To Operate Four 4' (T8) Lamps	189.42	
		For Specular Ballast Cover, Add	*29.05*	

26 01 50 81-0114 Retrofit Existing (T12) Strip Style Fluorescent Fixtures With Reflector *(26 01 50 81-0108)*

Note: Includes ballast, white reflector and ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.

26 01 50 81-0115	EA	Retrofit An Existing 4' (T12) Strip Style Fixture With Reflector To Operate One 4' (T8) Lamp	120.72	
		For Specular Reflector, Add	*17.05*	
26 01 50 81-0116	EA	Retrofit An Existing 4' (T12) Strip Style Fixture With Reflector To Operate Two 4' (T8) Lamps	128.43	
		For Specular Reflector, Add	*17.05*	
26 01 50 81-0117	EA	Retrofit An Existing 8' (T12) Strip Style Fixture With Reflector To Operate Two 4' (T8) Lamps	172.88	
		For Specular Reflector, Add	*17.05*	
26 01 50 81-0118	EA	Retrofit An Existing 8' (T12) Strip Style Fixture With Reflector To Operate Four 4' (T8) Lamps	223.38	
		For Specular Reflector, Add	*17.05*	

26 01 50 81-0119 Retrofit Existing (T12) Troffer Style Fluorescent Fixtures *(26 01 50 81-0108)*

Note: Includes ballast, white reflector and ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.

26 01 50 81-0120	EA	Retrofit An Existing 1 x 4 (T12) Troffer Style Fixture To Operate One 4' (T8) Lamps	149.67	
		For Specular Reflector, Add	*17.05*	
26 01 50 81-0121	EA	Retrofit An Existing 1 x 4 (T12) Troffer Style Fixture To Operate Two 4' (T8) Lamps	156.63	
		For Specular Reflector, Add	*17.05*	
26 01 50 81-0122	EA	Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Two 2' (T8) Lamps	159.52	
		For Specular Reflector, Add	*17.05*	
26 01 50 81-0123	EA	Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Three 2' (T8) Lamps	178.86	
		For Specular Reflector, Add	*17.05*	
26 01 50 81-0124	EA	Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Four 2' (T8) Lamps	219.17	
		For Specular Reflector, Add	*17.05*	
26 01 50 81-0125	EA	Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Two 4' (T8) Lamps	164.17	
		For Specular Reflector, Add	*17.05*	
26 01 50 81-0126	EA	Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Three 4' (T8) Lamps	180.82	
		For Specular Reflector, Add	*17.05*	
26 01 50 81-0127	EA	Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Four 4' (T8) Lamps	194.51	
		For Specular Reflector, Add	*17.05*	

26 01 50 81-0128 Retrofit Existing Recessed Lay-In/Troffer Fixtures *(26 01 50 81-0001)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0129		Fluorescent Volumetric Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Lithonia) *(26 01 50 81-0128)* Note: Includes removing existing lamps and ballast. Includes installing adaptor frame, volumetric reflectors, lamps and ballasts. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 01 50 81-0130	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	168.70	
26 01 50 81-0131	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	168.70	
26 01 50 81-0132	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	168.70	
26 01 50 81-0133	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	182.88	
26 01 50 81-0134	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	168.70	
26 01 50 81-0135	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	168.70	
26 01 50 81-0136	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	168.70	
26 01 50 81-0137	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	182.88	
26 01 50 81-0138	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	169.72	
26 01 50 81-0139	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	169.72	
26 01 50 81-0140	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	169.72	
26 01 50 81-0141	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	183.91	
26 01 50 81-0142	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	169.72	
26 01 50 81-0143	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	169.72	
26 01 50 81-0144	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	169.72	
26 01 50 81-0145	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	183.91	
26 01 50 81-0146		LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (PlanLED) *(26 01 50 81-0128)* Note: Includes adaptor frame, optical system, LEDs and driver. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 01 50 81-0147	EA	2,400 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (PlanLED FR3E-025)	230.56	
26 01 50 81-0148	EA	4,300 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (PlanLED FR3E-045)	240.21	
26 01 50 81-0149		LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Raffino™) *(26 01 50 81-0128)* Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 01 50 81-0150	EA	1,800 Lumens, 1' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR14-1800L)	362.99	
26 01 50 81-0151	EA	2,600 Lumens, 1' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR14-2700L)	371.74	
26 01 50 81-0152	EA	2,200 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR22-2200L)	362.99	
26 01 50 81-0153	EA	3,300 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR22-3300L)	371.74	
26 01 50 81-0154	EA	3,300 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-3000L)	415.48	
26 01 50 81-0155	EA	4,150 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-4000L)	428.60	
26 01 50 81-0156	EA	5,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-5000L)	459.22	
26 01 50 81-0157		LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Orion) *(26 01 50 81-0128)* Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 01 50 81-0158	EA	3,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-030L-FO-UNV-FDX-840-22-1P-CT-M-ST)	336.22	
26 01 50 81-0159	EA	3,500 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-035L-FO-UNV-FDX-840-22-1P-CT-M-ST)	348.43	
26 01 50 81-0160	EA	3,200 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-032L-FO-UNV-FDX-840-24-1P-CT-M-ST)	352.08	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0161	EA	3,800 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-038L-FO-UNV-FDX-840-24-1P-CT-M-ST)	364.28	
26 01 50 81-0162	EA	2,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1A1UNVFDSX84022MST)	253.86	
26 01 50 81-0163	EA	4,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1B1UNVFDSX84022MST)	259.66	
26 01 50 81-0164	EA	3,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1D1UNVFDSX84024MST)	268.93	
26 01 50 81-0165	EA	4,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1E1UNVFDSX84024MST)	274.73	
26 01 50 81-0166	EA	6,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1F1UNVFDSX84024MST)	339.64	
26 01 50 81-0167	EA	8,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (ORION LDRE1G1UNVFDSX84024MST)	404.54	

26 01 50 81-0168 Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components) *(26 01 50 81-0128)*

Note: Includes adaptor frame, optical system, lamps and ballasts. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 81-0169	EA	1 T5 Lamp, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	316.66	
26 01 50 81-0170	EA	1 T8 Lamp, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	228.46	
26 01 50 81-0171	EA	2 T5 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	324.74	
26 01 50 81-0172	EA	2 T8 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	236.47	
26 01 50 81-0173	EA	3 T5 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	339.40	
26 01 50 81-0174	EA	3 T8 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	258.39	
26 01 50 81-0175	EA	1 T5 Lamp, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	371.32	
26 01 50 81-0176	EA	1 T8 Lamp, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	282.93	
26 01 50 81-0177	EA	2 T5 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	378.90	
26 01 50 81-0178	EA	2 T8 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	290.56	
26 01 50 81-0179	EA	3 T5 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	393.39	
26 01 50 81-0180	EA	3 T8 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	312.38	

26 01 50 81-0181 LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL2R/RT) *(26 01 50 81-0128)*

Note: Includes removing existing lamps and ballast. Includes installing LED light engine assembly, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 81-0182	EA	3,300 Lumens, 2' x 2', LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL2R/RT)	670.63	
26 01 50 81-0183	EA	4,800 Lumens, 2' x 4', LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL4R/RT)	745.23	

26 01 50 81-0184 Retrofit Existing Fixtures With Emergency Battery Pack *(26 01 50 81-0001)*

26 01 50 81-0185	EA	90 minute, 10 Watt, 50 VDC, Emergency Battery Pack for 2x4 LED Lighting Fixture (AcuityBrands Power Sentry® PS1050 FIK)	525.43	
26 01 50 81-0186	EA	90 minute, 10 Watt, 50 VDC, Emergency Battery Pack for 2x4 LED Lighting Fixture (AcuityBrands Power Sentry® PS1055LCP M5)	568.03	

26 01 50 81-0187 Retrofit Existing HID Fixtures *(26 01 50 81-0001)*

26 01 50 81-0188	EA	Tear Drop LED Retrofit Kit (Holophane LTDRL2 P35S 40K AS BK TDRD 3 P)	1,519.24	

26 01 50 81-0189 LED Lighting Retrofits For Existing Fluorescent Fixtures *(26 01 50 81-0001)*

Note: Excludes recycling or disposal of lamps and ballasts.

26 01 50 81-0190 LED Lightbar Retrofit For Existing Fluorescent Fixtures (Lithonia) *(26 01 50 81-0189)*

26 01 50 81-0191	EA	2' Length, 2 Bar, 2,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 2FT 2 2000LMHE 80CRI 35K MIN10 GZT MVOLT)	117.54	
		For >25 To 50, Deduct	*-5.88*	
		For >50 To 100, Deduct	*-10.24*	
		For >100, Deduct	*-17.44*	
26 01 50 81-0192	EA	2' Length, 4 Bar, 8,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 2FT 4 8000LMHE 80CRI MIN10 GZT MVOLT)	169.59	
		For >25 To 50, Deduct	*-8.48*	
		For >50 To 100, Deduct	*-14.14*	
		For >100, Deduct	*-22.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0193	EA	3' Length, 2 Bar, 4,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 3FT 2 4000LMHE 80CRI 35K MIN10 GZT MVOLT)	127.76	
		For >25 To 50, Deduct	*-6.39*	
		For >50 To 100, Deduct	*-11.08*	
		For >100, Deduct	*-18.77*	
26 01 50 81-0194	EA	3' Length, 1 Bar, 1,600 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 3FT 1 1600LMHE 80CRI 35K MIN10 GZT MVOLT)	117.60	
		For >25 To 50, Deduct	*-5.88*	
		For >50 To 100, Deduct	*-10.32*	
		For >100, Deduct	*-17.76*	
26 01 50 81-0195	EA	4' Length, 2 Bar, 6,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 2 6000LMHE 80CRI 35K MIN10 GZT MVOLT)	153.35	
		For >25 To 50, Deduct	*-7.67*	
		For >50 To 100, Deduct	*-13.08*	
		For >100, Deduct	*-21.65*	
26 01 50 81-0196	EA	4' Length, 4 Bar, 6,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 4 6000LMHE 80CRI 35K MIN10 GZT MVOLT)	198.46	
		For >25 To 50, Deduct	*-9.92*	
		For >50 To 100, Deduct	*-16.46*	
		For >100, Deduct	*-26.16*	
26 01 50 81-0197	EA	4' Length, 1 Bar, 3,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 1 3000LMHE 80CRI 35K MIN10 GZT MVOLT)	127.03	
		For >25 To 50, Deduct	*-6.35*	
		For >50 To 100, Deduct	*-11.11*	
		For >100, Deduct	*-19.02*	
26 01 50 81-0198	EA	4' Length, 1 Bar, 4,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 1 4000LMHE 80CRI 35K MIN10 GZT MVOLT)	127.03	
		For >25 To 50, Deduct	*-6.35*	
		For >50 To 100, Deduct	*-11.11*	
		For >100, Deduct	*-19.02*	
26 01 50 81-0199	EA	4' Length, 4 Bar, 8,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 4 8000LMHE 80CRI 35K MIN10 GZT MVOLT)	162.37	
		For >25 To 50, Deduct	*-8.12*	
		For >50 To 100, Deduct	*-13.76*	
		For >100, Deduct	*-22.55*	
26 01 50 81-0200	EA	4' Length, 2 Bar, 4,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 2 4000LMHE 80CRI 35K MIN10 GZT MVOLT)	138.31	
		For >25 To 50, Deduct	*-6.92*	
		For >50 To 100, Deduct	*-11.95*	
		For >100, Deduct	*-20.14*	
26 01 50 81-0201	EA	4' Length, 2 Bar, 3,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 2 3000LMHE 80CRI 35K MIN10 GZT MVOLT)	138.31	
		For >25 To 50, Deduct	*-6.92*	
		For >50 To 100, Deduct	*-11.95*	
		For >100, Deduct	*-20.14*	

26 01 50 81-0202 LED Retrofit For Existing Fluorescent Fixtures (Lithonia) *(26 01 50 81-0189)*

26 01 50 81-0203	EA	1'x 4', 4,000 Lumens, 3500K CCT, Square Smooth Diffuser, Dimming LED Relight Assembly (Lithonia BLT4R F 40LHE SDSMT MVOLT EZ1 LP835 NLTAIR2)	276.31	
		For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	*179.91*	
		For nLight AIR radio module without sensor (nLight RIO), Add	*116.95*	
		For >25 To 50, Deduct	*-13.82*	
		For >50 To 100, Deduct	*-22.30*	
		For >100, Deduct	*-33.94*	
26 01 50 81-0204	EA	1'x 4', 4,800 Lumens, 3500K CCT, Curved Smooth Diffuser, Dimming LED Relight Assembly (Lithonia BLT4R 48LHE ADSMT MVOLT EZ1 LP835 NLTAIR2)	297.65	
		For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	*179.91*	
		For nLight AIR radio module without sensor (nLight RIO), Add	*116.95*	
		For >25 To 50, Deduct	*-14.88*	
		For >50 To 100, Deduct	*-23.90*	
		For >100, Deduct	*-36.08*	
26 01 50 81-0205	EA	2'x 2', 3,300 Lumens, 3500K CCT, Square Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT2R 33LHE SDSMT MVOLT EZ1 LP835 NLTAIR2)	313.60	
		For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	*179.91*	
		For nLight AIR radio module without sensor (nLight RIO), Add	*116.95*	
		For >25 To 50, Deduct	*-15.68*	
		For >50 To 100, Deduct	*-25.10*	
		For >100, Deduct	*-37.67*	
26 01 50 81-0206	EA	2'x 2', 4,000 Lumens, 3500K CCT, Square Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT2R F 40LHE SDSMT MVOLT EZ1 LP835 NLTAIR2)	338.52	
		For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	*179.91*	
		For nLight AIR radio module without sensor (nLight RIO), Add	*116.95*	
		For >25 To 50, Deduct	*-16.93*	
		For >50 To 100, Deduct	*-26.97*	
		For >100, Deduct	*-40.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0207	EA	2'x 4', 4,000 Lumens, 3500K CCT, Curved Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT4R 40LHE ADSMT MVOLT EZ1 LP835 NLTAIR2 RIO)	363.42	
		For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	*179.91*	
		For nLight AIR radio module without sensor (nLight RIO), Add	*116.95*	
		For >25 To 50, Deduct	*-18.17*	
		For >50 To 100, Deduct	*-29.15*	
		For >100, Deduct	*-43.92*	
26 01 50 81-0208	EA	2'x 4', 4,800 Lumens, 3500K CCT, Curved Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT4R 48LHE ADSMT MVOLT EZ1 LP835 NLTAIR2 RIO)	392.36	
		For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	*179.91*	
		For nLight AIR radio module without sensor (nLight RIO), Add	*116.95*	
		For >25 To 50, Deduct	*-19.62*	
		For >50 To 100, Deduct	*-31.32*	
		For >100, Deduct	*-46.81*	

26 01 50 81-0209 LED Lighting Retrofits For Existing Fluorescent Fixtures (ELED Lights) *(26 01 50 81-0189)*

Note: Includes removal of existing fluorescent lamps, installing LED strip lighting and trim. Excludes recycling or disposal of lamps. See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 81-0210	EA	2' Dimmable, 20 Watts, 2,900 Lumens, 4000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X2STRPD20W40)	109.77	
		Note: Kit contains two 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-5.49*	
		For >50 To 100, Deduct	*-9.65*	
		For >100, Deduct	*-16.66*	
26 01 50 81-0211	EA	2' Dimmable, 20 Watts, 2,900 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X2STRPD20W50)	109.77	
		Note: Kit contains two 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-5.49*	
		For >50 To 100, Deduct	*-9.65*	
		For >100, Deduct	*-16.66*	
26 01 50 81-0212	EA	4' Dimmable, 32 Watts, 5,000 Lumens, 4000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X4STRPD32W40)	144.44	
		Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-7.22*	
		For >50 To 100, Deduct	*-12.41*	
		For >100, Deduct	*-20.76*	
26 01 50 81-0213	EA	4' Dimmable, 32 Watts, 5,000 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X4STRPD32W50)	144.44	
		Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-7.22*	
		For >50 To 100, Deduct	*-12.41*	
		For >100, Deduct	*-20.76*	
26 01 50 81-0214	EA	4' Dimmable, 35 Watts, 5,500 Lumens, 3000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN30)	144.56	
		Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-7.23*	
		For >50 To 100, Deduct	*-12.42*	
		For >100, Deduct	*-20.77*	
26 01 50 81-0215	EA	4' Dimmable, 35 Watts, 5,500 Lumens, 3000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN30F)	157.60	
		Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-7.88*	
		For >50 To 100, Deduct	*-13.40*	
		For >100, Deduct	*-22.07*	
26 01 50 81-0216	EA	4' Dimmable, 35 Watts, 5500 Lumens, 3500K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN35)	144.56	
		Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-7.23*	
		For >50 To 100, Deduct	*-12.42*	
		For >100, Deduct	*-20.77*	
26 01 50 81-0217	EA	4' Dimmable, 35 Watts, 5500 Lumens, 3500K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN35F)	157.60	
		Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-7.88*	
		For >50 To 100, Deduct	*-13.40*	
		For >100, Deduct	*-22.07*	
26 01 50 81-0218	EA	4' Dimmable, 35 Watts, 5,500 Lumens, 4000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN40)	144.56	
		Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-7.23*	
		For >50 To 100, Deduct	*-12.42*	
		For >100, Deduct	*-20.77*	
26 01 50 81-0219	EA	4' Dimmable, 35 Watts, 5,500 Lumens, 4000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN40F)	157.60	
		Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-7.88*	
		For >50 To 100, Deduct	*-13.40*	
		For >100, Deduct	*-22.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0220	EA	4' Dimmable, 35 Watts, 5,500 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN50)	144.56	
		Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-7.23*	
		For >50 To 100, Deduct	*-12.42*	
		For >100, Deduct	*-20.77*	
26 01 50 81-0221	EA	4' Dimmable, 35 Watts, 5,500 Lumens, 5000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN50F)	157.60	
		Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-7.88*	
		For >50 To 100, Deduct	*-13.40*	
		For >100, Deduct	*-22.07*	
26 01 50 81-0222	EA	4' Dimmable, 46 Watts, 6,800 Lumens, 5000K, Ultra High Lumen Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X4STRPD46W50)	157.49	
		Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-7.87*	
		For >50 To 100, Deduct	*-13.39*	
		For >100, Deduct	*-22.06*	
26 01 50 81-0223	EA	4' Dimmable, 31 Watts, 5,730 Lumens, 4000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD40)	185.39	
		Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-9.27*	
		For >50 To 100, Deduct	*-15.48*	
		For >100, Deduct	*-24.85*	
26 01 50 81-0224	EA	4' Dimmable, 31 Watts, 5,730 Lumens, 4000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD40F)	201.70	
		Note: Kit contains two 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-10.09*	
		For >50 To 100, Deduct	*-16.71*	
		For >100, Deduct	*-26.48*	
26 01 50 81-0225	EA	4' Dimmable, 31 Watts, 5,730 Lumens, 5000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50)	185.39	
		Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-9.27*	
		For >50 To 100, Deduct	*-15.48*	
		For >100, Deduct	*-24.85*	
26 01 50 81-0226	EA	4' Dimmable, 31 Watts, 5,730 Lumens, 5000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50F)	201.70	
		Note: Kit contains two 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-10.09*	
		For >50 To 100, Deduct	*-16.71*	
		For >100, Deduct	*-26.48*	
26 01 50 81-0227	EA	20 Watts, Emergency Battery Backup, For Use With 2' And 4' Linear LED Retrofit Kits (ELEDLIGHTS BLD-AM20D-480800)	200.10	
		Note: 90-minute emergency battery with DIP switch-selectable power output of 10 Watts, 15 Watts, or 20 Watts		
		For >25 To 50, Deduct	*-10.01*	
		For >50 To 100, Deduct	*-15.32*	
		For >100, Deduct	*-21.27*	
26 01 50 81-0228	EA	20 Watts, Emergency Battery Backup, For Use With 2' And 4' Linear LED Retrofit Kits (ELEDLIGHTS EM-HM-20W)	183.61	
		Note: 90-minute emergency battery with power output of 20 Watts		
		For >25 To 50, Deduct	*-9.18*	
		For >50 To 100, Deduct	*-14.09*	
		For >100, Deduct	*-19.62*	
26 01 50 81-0229	EA	8' Dimmable, 46 Watts, 7,400 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4X4STRPD46W50)	187.84	
		Note: Kit contains four 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-9.39*	
		For >50 To 100, Deduct	*-16.14*	
		For >100, Deduct	*-26.99*	
26 01 50 81-0230	EA	8' Dimmable, 49 Watts, 6,680 Lumens, 5000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4X4STRPD49W50F)	195.99	
		Note: Kit contains four 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-9.80*	
		For >50 To 100, Deduct	*-16.75*	
		For >100, Deduct	*-27.81*	
26 01 50 81-0231	EA	8' Dimmable, 64 Watts, 11,850 Lumens, 4000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD40)	276.06	
		Note: Kit contains four 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-13.80*	
		For >50 To 100, Deduct	*-22.76*	
		For >100, Deduct	*-35.81*	
26 01 50 81-0232	EA	8' Dimmable, 64 Watts, 11,850 Lumens, 4000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD40F)	308.67	
		Note: Kit contains four 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-15.43*	
		For >50 To 100, Deduct	*-25.20*	
		For >100, Deduct	*-39.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0233	EA	8' Dimmable, 64 Watts, 11,850 Lumens, 5000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50)	276.06	
		Note: Kit contains four 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-13.80*	
		For >50 To 100, Deduct	*-22.76*	
		For >100, Deduct	*-35.81*	
26 01 50 81-0234	EA	8' Dimmable, 64 Watts, 11,850 Lumens, 5000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50F)	308.67	
		Note: Kit contains four 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-15.43*	
		For >50 To 100, Deduct	*-25.20*	
		For >100, Deduct	*-39.07*	

26 01 50 99 Lighting, Facilities Maintenance and Repair *(26 01 50)*

26 01 50 99-0001 Hardwired System Emergency Light Preventative Maintenance *(26 01 50 99)*
Note: Includes all required small tools and equipment.

26 01 50 99-0002	EA	Annual Preventative Maintenance For Hardwired System Emergency Light	45.92	
		Note: 1. Test For Proper Operation; Replace Lamps As Required. 2. Clean Exterior Of Cabinet And Light Heads. 3. Check Wiring For Obvious Defects. 4. Adjust Lamp Heads For Maximum Illumination Of Area. 5. Fill Out Maintenance Checklist And Report Deficiencies.		

26 01 50 99-0003 Dry Cell Emergency Light Preventative Maintenance *(26 01 50 99)*
Note: Includes all required small tools and equipment.

26 01 50 99-0004	EA	Annual Preventative Maintenance For Dry Cell Emergency Light	70.70	
		Note: 1. Test For Proper Operation; Remove And Install New Lamps As Required. 2. Clean Exterior Of Emergency Light Cabinet And Lamp Heads. 3. Check Condition Of Batteries And Change As Required. 4. Clean Top Of Battery And Battery Terminal; Apply Anti-Corrosion Grease. 5. Clean Interior Of Cabinet. 6. Inspect Cabinet, Relay, Relay Contacts, Pilot Light, Wiring, And General Condition. 7. Adjust Lamp Heads For Maximum Illumination Of Area. 8. Fill Out Maintenance Checklist And Report Deficiencies.		

26 05 Common Work Results for Electrical *(26)*

26 05 13 Medium-Voltage Cables *(26 05)*

26 05 13 16 Medium-Voltage, Single-and Multi-Conductor Cables *(26 05 13)*

26 05 13 16-0001 Wire And Cable *(26 05 13 16)*
Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, testing, and splicing (#8 and lighter). All conductors are copper except as otherwise noted. No special set-up is required. Excludes terminations.

26 05 13 16-0002 5 KV Cable *(26 05 13 16-0001)*

26 05 13 16-0003 Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed In Duct *(26 05 13 16-0002)*

26 05 13 16-0004	MLF	#6 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	3,692.44	978.20
26 05 13 16-0005	MLF	#4 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	4,356.09	1,068.11
26 05 13 16-0006	MLF	#2 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	5,187.85	1,206.79
26 05 13 16-0007	MLF	1/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	6,719.19	1,486.82
26 05 13 16-0008	MLF	2/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	7,649.87	1,674.30
26 05 13 16-0009	MLF	3/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	9,357.39	1,858.42
26 05 13 16-0010	MLF	4/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	10,532.09	2,088.12
26 05 13 16-0011	MLF	250 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	12,477.33	2,323.13
26 05 13 16-0012	MLF	350 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	14,555.68	2,773.76
26 05 13 16-0013	MLF	500 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	18,312.64	3,260.49
26 05 13 16-0014	MLF	750 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	27,120.88	3,842.84
26 05 13 16-0015	MLF	1,000 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	35,935.27	4,424.92

26 05 13 16-0016 Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Direct Burial *(26 05 13 16-0002)*
Note: Excludes excavation.

26 05 13 16-0017	MLF	#6 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	3,570.17
26 05 13 16-0018	MLF	#4 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	4,008.96
26 05 13 16-0019	MLF	#2 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	4,493.95
26 05 13 16-0020	MLF	1/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	5,555.09
26 05 13 16-0021	MLF	2/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	6,016.98
26 05 13 16-0022	MLF	3/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	7,493.37
26 05 13 16-0023	MLF	4/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	8,093.82
26 05 13 16-0024	MLF	250 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	9,686.62
26 05 13 16-0025	MLF	350 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	10,760.40
26 05 13 16-0026	MLF	500 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	13,410.53

26 05 13 16-0027 Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed On Poles (Aerial) *(26 05 13 16-0002)*

26 05 13 16-0028	MLF	#6 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	2,860.70	615.39
26 05 13 16-0029	MLF	#4 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	3,416.30	659.82

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	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0030	MLF	#2 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	4,358.81	834.40
26 05 13 16-0031	MLF	1/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	5,658.40	1,012.95
26 05 13 16-0032	MLF	2/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	6,582.23	1,189.11
26 05 13 16-0033	MLF	3/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	8,277.23	1,359.87
26 05 13 16-0034	MLF	4/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	9,449.15	1,577.83
26 05 13 16-0035	MLF	250 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	11,874.84	1,985.02
26 05 13 16-0036	MLF	350 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	14,207.28	2,511.66
26 05 13 16-0037	MLF	500 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	18,436.42	3,155.67
26 05 13 16-0038		**5 KV Non-Shielded Single Copper Conductor** *(26 05 13 16-0002)*		
26 05 13 16-0039	MLF	1/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	7,990.51	1,949.44
26 05 13 16-0040	MLF	2/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	9,151.55	1,977.46
26 05 13 16-0041	MLF	3/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	10,312.60	2,005.47
26 05 13 16-0042	MLF	4/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	10,734.88	2,049.80
26 05 13 16-0043	MLF	350 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	12,778.70	2,128.00
26 05 13 16-0044	MLF	500 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	18,043.05	2,230.16
26 05 13 16-0045	MLF	750 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	27,748.67	2,787.70
26 05 13 16-0046	MLF	1,000 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	32,149.69	3,716.98
26 05 13 16-0047		**Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed In Duct** *(26 05 13 16-0002)*		
26 05 13 16-0048	MLF	#6 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	3,916.92	978.20
26 05 13 16-0049	MLF	#4 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	4,659.55	1,068.11
26 05 13 16-0050	MLF	#2 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	5,578.60	1,206.79
26 05 13 16-0051	MLF	#1 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	6,418.92	1,346.73
26 05 13 16-0052	MLF	1/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	7,259.60	1,486.82
26 05 13 16-0053	MLF	2/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	8,273.41	1,674.30
26 05 13 16-0054	MLF	3/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	10,205.41	1,858.42
26 05 13 16-0055	MLF	4/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	11,488.19	2,088.12
26 05 13 16-0056	MLF	250 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	13,677.86	2,323.13
26 05 13 16-0057	MLF	350 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	15,927.48	2,773.76
26 05 13 16-0058	MLF	500 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	20,141.70	3,260.49
26 05 13 16-0059	MLF	750 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	30,273.99	3,842.84
26 05 13 16-0060	MLF	1,000 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	40,412.40	4,424.92
26 05 13 16-0061		**Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Direct Burial** *(26 05 13 16-0002)* Note: Excludes excavation.		
26 05 13 16-0062	MLF	#6 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	3,794.64	
26 05 13 16-0063	MLF	#4 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	4,312.42	
26 05 13 16-0064	MLF	#2 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	4,884.70	
26 05 13 16-0065	MLF	#1 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	5,490.63	
26 05 13 16-0066	MLF	1/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	6,095.50	
26 05 13 16-0067	MLF	2/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	6,640.53	
26 05 13 16-0068	MLF	3/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	8,341.39	
26 05 13 16-0069	MLF	4/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	9,049.92	
26 05 13 16-0070	MLF	250 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	10,887.15	
26 05 13 16-0071	MLF	350 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	12,132.20	
26 05 13 16-0072	MLF	500 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	15,239.60	
26 05 13 16-0073		**Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed On Poles (Aerial)** *(26 05 13 16-0002)*		
26 05 13 16-0074	MLF	#6 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	3,085.18	615.39
26 05 13 16-0075	MLF	#4 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	3,719.76	659.82
26 05 13 16-0076	MLF	#2 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	4,749.56	834.40
26 05 13 16-0077	MLF	#1 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	5,472.55	923.02
26 05 13 16-0078	MLF	1/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	6,198.81	1,012.95
26 05 13 16-0079	MLF	2/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	7,205.77	1,189.11
26 05 13 16-0080	MLF	3/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	9,125.25	1,359.87
26 05 13 16-0081	MLF	4/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	10,405.25	1,577.83
26 05 13 16-0082	MLF	250 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	13,075.37	1,985.02
26 05 13 16-0083	MLF	350 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	15,579.08	2,511.66
26 05 13 16-0084	MLF	500 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	20,265.48	3,155.67
26 05 13 16-0085		**15 KV Cable** *(26 05 13 16-0001)*		
26 05 13 16-0086		**Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable** *(26 05 13 16-0085)*		
26 05 13 16-0087		**Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct** *(26 05 13 16-0086)*		
26 05 13 16-0088	MLF	#4 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	8,036.74	1,949.44
26 05 13 16-0089	MLF	#2 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	8,680.22	1,949.44
26 05 13 16-0090	MLF	#1 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	8,925.66	1,949.44

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0091	MLF	1/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	9,725.24	1,949.44
26 05 13 16-0092	MLF	2/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	10,484.15	1,949.44
26 05 13 16-0093	MLF	3/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	11,971.48	2,034.88
26 05 13 16-0094	MLF	4/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	12,269.63	2,034.88
26 05 13 16-0095	MLF	250 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	14,128.87	2,128.00
26 05 13 16-0096	MLF	350 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	16,001.77	2,177.89
26 05 13 16-0097	MLF	500 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	19,712.10	2,453.18

26 05 13 16-0098 Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial *(26 05 13 16-0086)*

Note: Excludes excavation.

26 05 13 16-0099	MLF	#1 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	6,828.67	
26 05 13 16-0100	MLF	1/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	7,628.23	
26 05 13 16-0101	MLF	2/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	8,387.15	
26 05 13 16-0102	MLF	3/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	9,901.43	
26 05 13 16-0103	MLF	4/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	10,199.57	
26 05 13 16-0104	MLF	250 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	12,174.20	
26 05 13 16-0105	MLF	350 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	14,050.40	
26 05 13 16-0106	MLF	500 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	17,481.95	

26 05 13 16-0107 Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) *(26 05 13 16-0086)*

26 05 13 16-0108	MLF	#1 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	6,357.24	879.11
26 05 13 16-0109	MLF	1/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	7,507.78	1,012.95
26 05 13 16-0110	MLF	2/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	8,728.64	1,189.11
26 05 13 16-0111	MLF	3/0 AWG, XLP, 15 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation Cable	10,450.44	1,359.87
26 05 13 16-0112	MLF	4/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	11,320.05	1,577.83
26 05 13 16-0113	MLF	250 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	13,625.60	1,836.81
26 05 13 16-0114	MLF	350 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	16,169.62	2,140.35
26 05 13 16-0115	MLF	500 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	20,098.83	2,486.21

26 05 13 16-0116 Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable *(26 05 13 16-0085)*

26 05 13 16-0117 Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct *(26 05 13 16-0116)*

26 05 13 16-0118	MLF	#4 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	8,606.11	1,949.44
26 05 13 16-0119	MLF	#2 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	9,365.41	1,949.44
26 05 13 16-0120	MLF	#1 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	9,655.03	1,949.44
26 05 13 16-0121	MLF	1/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	10,598.53	1,949.44
26 05 13 16-0122	MLF	2/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	11,494.05	1,949.44
26 05 13 16-0123	MLF	3/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	13,210.68	2,034.88
26 05 13 16-0124	MLF	4/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	13,562.49	2,034.88
26 05 13 16-0125	MLF	250 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	15,714.46	2,128.00
26 05 13 16-0126	MLF	350 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	17,902.04	2,177.89
26 05 13 16-0127	MLF	500 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	22,156.35	2,453.18

26 05 13 16-0128 Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial *(26 05 13 16-0116)*

Note: Excludes excavation.

26 05 13 16-0129	MLF	#1 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	7,558.04	
26 05 13 16-0130	MLF	1/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	8,501.53	
26 05 13 16-0131	MLF	2/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	9,397.05	
26 05 13 16-0132	MLF	3/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	11,140.63	
26 05 13 16-0133	MLF	4/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	11,492.43	
26 05 13 16-0134	MLF	250 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	13,755.18	
26 05 13 16-0135	MLF	350 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	15,941.94	
26 05 13 16-0136	MLF	500 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	19,926.20	

26 05 13 16-0137 Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) *(26 05 13 16-0116)*

26 05 13 16-0138	MLF	#1 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	7,086.61	879.11
26 05 13 16-0139	MLF	1/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	8,381.08	1,012.95
26 05 13 16-0140	MLF	2/0 AWG, EPEPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	9,738.54	1,189.11
26 05 13 16-0141	MLF	3/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	11,689.64	1,359.87
26 05 13 16-0142	MLF	4/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	12,612.91	1,577.83
26 05 13 16-0143	MLF	250 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	15,211.19	1,836.81
26 05 13 16-0144	MLF	350 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	18,069.89	2,140.35
26 05 13 16-0145	MLF	500 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	22,543.08	2,486.21

26 05 13 16-0146 15 KV Non-Shielded Single Copper Conductor *(26 05 13 16-0085)*

26 05 13 16-0147	MLF	1/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	11,475.29	1,956.27

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0148	MLF	2/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	9,946.02	2,003.03
26 05 13 16-0149	MLF	3/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	14,879.38	2,049.80
26 05 13 16-0150	MLF	350 MCM, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	20,408.21	2,186.40
26 05 13 16-0151		**Shielded, Armored Copper, 15 KV, 3 Conductor Cable** *(26 05 13 16-0085)*		
		Note: Laid in cable tray or hung in vertical cable shaft.		
26 05 13 16-0152		**Galvanized Steel Interlocked Armor Cable** *(26 05 13 16-0151)*		
26 05 13 16-0153	LF	3 Conductors, #2 AWG, TC, 15 KV, Galvanized Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically	54.89	14.92
26 05 13 16-0154	LF	3 Conductors, 1/0 AWG, TC, 15 KV, Galvanized Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically	65.49	15.89
26 05 13 16-0155		**Aluminum Interlocked Armor Cable** *(26 05 13 16-0151)*		
26 05 13 16-0156	LF	3 Conductors, #2 AWG, TC, 15 KV, Aluminum Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically	54.89	14.92
26 05 13 16-0157	LF	3 Conductor, 1/0 AWG, TC, 15 KV, Aluminum Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically	65.49	15.89
26 05 13 16-0158		**Type URD, 15 KV Primary Concentric UD Cable** *(26 05 13 16-0085)*		
		Note: 0.175" XLPE insulation, copper conductor.		
26 05 13 16-0159	MLF	#4 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	3,979.55	978.20
26 05 13 16-0160	MLF	#2 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	4,744.21	1,068.11
26 05 13 16-0161	MLF	#1 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	5,687.63	1,206.79
26 05 13 16-0162	MLF	1/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	7,400.48	1,482.78
26 05 13 16-0163	MLF	2/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	8,434.85	1,669.28
26 05 13 16-0164	MLF	3/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	10,442.00	1,858.42
26 05 13 16-0165	MLF	4/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	11,735.46	2,080.32
26 05 13 16-0166		**15 KV, URD Copper Cable, Direct Burial** *(26 05 13 16-0085)*		
26 05 13 16-0167	MLF	3 Conductors, #6 AWG, 15 KV, URD Copper Cable, Direct Burial	19,178.88	
26 05 13 16-0168		**Wire Connections** *(26 05 13 16-0001)*		
26 05 13 16-0169		**Medium Voltage Up To 5 KV** *(26 05 13 16-0168)*		
26 05 13 16-0170		**Shielded One Conductor Cable Splice** *(26 05 13 16-0169)*		
26 05 13 16-0171	EA	#6 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	487.92	126.07
26 05 13 16-0172	EA	#2 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	725.20	126.07
26 05 13 16-0173	EA	1/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	725.20	126.07
26 05 13 16-0174	EA	2/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	762.72	151.28
26 05 13 16-0175	EA	3/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	762.72	151.28
26 05 13 16-0176	EA	4/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	762.72	151.28
26 05 13 16-0177	EA	250 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	812.74	176.50
26 05 13 16-0178	EA	350 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	812.74	176.50
26 05 13 16-0179	EA	500 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	812.74	176.50
26 05 13 16-0180		**Cable Termination Without Stress Cone** *(26 05 13 16-0169)*		
26 05 13 16-0181	EA	#6 To 4/0 AWG Cable Termination Without Stress Cone, Medium Voltage To 5 KV	803.80	151.28
26 05 13 16-0182	EA	250 To 500 MCM Cable Termination Without Stress Cone, Medium Voltage To 5 KV	924.56	176.50
26 05 13 16-0183		**Cable Termination With Stress Cone** *(26 05 13 16-0169)*		
26 05 13 16-0184	EA	#6 To 4/0 AWG Cable Termination With Stress Cone, Medium Voltage To 5 KV	2,639.49	302.56
26 05 13 16-0185	EA	250 To 500 MCM Cable Termination With Stress Cone, Medium Voltage To 5 KV	3,615.79	416.02
26 05 13 16-0186		**Connect To Pothead, Pothead Included** *(26 05 13 16-0169)*		
26 05 13 16-0187	EA	#6 To 4/0 AWG Connection To Pothead (Included) Medium Voltage To 5 KV	2,782.81	302.56
26 05 13 16-0188	EA	250 To 500 MCM Connection To Pothead (Included) Medium Voltage To 5 KV	3,619.08	346.69
26 05 13 16-0189		**Two Conductor Pothead** *(26 05 13 16-0169)*		
		Note: Includes 5 KV pothead.		
26 05 13 16-0190	EA	#6 To 4/0 AWG, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	1,703.78	416.02
26 05 13 16-0191	EA	250 To 350 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	2,345.56	529.49
26 05 13 16-0192	EA	400 To 700 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	3,916.50	600.34
26 05 13 16-0193	EA	750 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	6,832.47	700.43
26 05 13 16-0194	EA	1,000 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	12,964.57	1,050.52
26 05 13 16-0195		**Three Conductor Pothead** *(26 05 13 16-0169)*		
		Note: Includes 5 KV pothead.		
26 05 13 16-0196	EA	#6 To 4/0 AWG, Three Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	8,764.47	605.13
26 05 13 16-0197	EA	250 To 500 MCM, Three Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	9,524.83	705.98
26 05 13 16-0198		**Copper Cable Splice, Crimp Compression Connection** *(26 05 13 16-0169)*		
		Note: For bare wire.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0199	EA	#6 AWG Crimp Compression Connection For Bare Copper Wire	86.43	
26 05 13 16-0200	EA	#4 AWG Crimp Compression Connection For Bare Copper Wire	96.50	
26 05 13 16-0201	EA	#3 AWG Crimp Compression Connection For Bare Copper Wire	112.44	
26 05 13 16-0202	EA	#2 AWG Crimp Compression Connection For Bare Copper Wire	126.38	
26 05 13 16-0203	EA	#1 AWG Crimp Compression Connection For Bare Copper Wire	143.14	
26 05 13 16-0204	EA	1/0 AWG Crimp Compression Connection For Bare Copper Wire	158.80	
26 05 13 16-0205	EA	2/0 AWG Crimp Compression Connection For Bare Copper Wire	173.98	
26 05 13 16-0206	EA	3/0 AWG Crimp Compression Connection For Bare Copper Wire	191.07	
26 05 13 16-0207	EA	4/0 AWG Crimp Compression Connection For Bare Copper Wire	207.02	
26 05 13 16-0208	EA	250 MCM Crimp Compression Connection For Bare Copper Wire	223.83	
26 05 13 16-0209	EA	300 MCM Crimp Compression Connection For Bare Copper Wire	241.73	
26 05 13 16-0210	EA	350 MCM Crimp Compression Connection For Bare Copper Wire	257.02	
26 05 13 16-0211	EA	400 MCM Crimp Compression Connection For Bare Copper Wire	292.16	
26 05 13 16-0212	EA	500 MCM Crimp Compression Connection For Bare Copper Wire	329.94	
26 05 13 16-0213		**Aluminum Cable Splice, Crimp Compression Connection** *(26 05 13 16-0169)*		
		Note: For bare wire.		
26 05 13 16-0214	EA	#6 AWG Crimp Compression Connection For Bare Aluminum Wire	91.54	
26 05 13 16-0215	EA	#4 AWG Crimp Compression Connection For Bare Aluminum Wire	99.33	
26 05 13 16-0216	EA	#2 AWG Crimp Compression Connection For Bare Aluminum Wire	135.71	
26 05 13 16-0217	EA	#1 AWG Crimp Compression Connection For Bare Aluminum Wire	166.86	
26 05 13 16-0218	EA	1/0 AWG Crimp Compression Connection For Bare Aluminum Wire	181.19	
26 05 13 16-0219	EA	2/0 AWG Crimp Compression Connection For Bare Aluminum Wire	195.35	
26 05 13 16-0220	EA	3/0 AWG Crimp Compression Connection For Bare Aluminum Wire	215.89	
26 05 13 16-0221	EA	4/0 AWG Crimp Compression Connection For Bare Aluminum Wire	233.27	
26 05 13 16-0222	EA	250 MCM Crimp Compression Connection For Bare Aluminum Wire	249.46	
26 05 13 16-0223	EA	300 MCM Crimp Compression Connection For Bare Aluminum Wire	266.79	
26 05 13 16-0224	EA	350 MCM Crimp Compression Connection For Bare Aluminum Wire	283.32	
26 05 13 16-0225	EA	400 MCM Crimp Compression Connection For Bare Aluminum Wire	329.84	
26 05 13 16-0226	EA	500 MCM Crimp Compression Connection For Bare Aluminum Wire	376.94	
26 05 13 16-0227		**15 KV** *(26 05 13 16-0168)*		
26 05 13 16-0228		**Single Conductor Pothead On Racks** *(26 05 13 16-0227)*		
		Note: Includes pothead.		
26 05 13 16-0229	EA	#2 To 4/0 AWG, Single Conductor, 15 KV Pothead (Included), On Racks	2,046.16	529.49
26 05 13 16-0230	EA	250 To 500 MCM, Single Conductor, 15 KV Pothead (Included), On Racks	2,632.87	655.55
26 05 13 16-0231		**Two Conductor Pothead On Rack** *(26 05 13 16-0227)*		
		Note: Includes pothead.		
26 05 13 16-0232	EA	#2 To 4/0 AWG, Two Conductors, 15 KV Pothead (Included), On Racks	2,959.01	806.83
26 05 13 16-0233	EA	250 To 500 MCM, Two Conductors, 15 KV Pothead (Included), On Racks	3,585.60	958.12
26 05 13 16-0234		**Three Conductor Pothead On Rack** *(26 05 13 16-0227)*		
		Note: Includes pothead.		
26 05 13 16-0235	EA	#2 To 4/0 AWG, Three Conductors, 15 KV Pothead (Included), On Racks	3,747.60	1,046.36
26 05 13 16-0236	EA	250 To 500 MCM, Three Conductors, 15 KV Pothead (Included), On Racks	4,661.40	1,311.11
26 05 13 16-0237		**Stress Relief Cone On Rack** *(26 05 13 16-0227)*		
26 05 13 16-0238	EA	#2 To 4/0 AWG Stress Relief Cone, On Rack	1,873.01	529.49
26 05 13 16-0239	EA	250 To 500 MCM Stress Relief Cone, On Rack	2,438.20	655.55
26 05 13 16-0240		**Grounded, Shielded Cable Splice** *(26 05 13 16-0227)*		
26 05 13 16-0241	EA	#2 To 4/0 AWG Cable Splice, Grounded, Shielded, 15 KV	1,244.18	390.81
26 05 13 16-0242	EA	250 To 500 MCM Cable Splice, Grounded, Shielded, 15 KV	1,588.35	504.27
26 05 13 16-0243	EA	3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE 2-Way	9,315.35	1,386.74
26 05 13 16-0244	EA	3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE - CE 3-Way	12,395.98	1,512.81
26 05 13 16-0245		**Cable Termination** *(26 05 13 16-0227)*		
26 05 13 16-0246	EA	#2 To 3/0 AWG Cable Termination 15 KV	888.16	220.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*132.37*	
26 05 13 16-0247	EA	4/0 To 250 MCM Cable Termination 15 KV	1,114.12	283.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*170.19*	
26 05 13 16-0248	EA	350 To 500 MCM Cable Termination 15 KV	1,389.29	346.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*208.01*	
26 05 13 16-0249	EA	#2 To 3/0 AWG Cable Elbow Termination 15 KV	589.27	126.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*75.64*	
26 05 13 16-0250		**Stress Cones, 5-15 KV, 4 Skirted** *(26 05 13 16-0227)*		
26 05 13 16-0251	EA	#4 To 1/0 AWG Stress Cones, 5-15 KV, 4 Skirted	1,324.71	163.89
26 05 13 16-0252	EA	2/0 To 3/0 AWG Stress Cones, 5-15 KV, 4 Skirted	1,518.34	181.13
26 05 13 16-0253	EA	4/0 To 350 MCM Stress Cones, 5-15 KV, 4 Skirted	1,830.64	198.23

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0254	EA	400 To 500 MCM Stress Cones, 5-15 KV, 4 Skirted	2,397.66	228.39
26 05 13 16-0255		**Stress Cones, 5-15 KV, 6 Skirted** *(26 05 13 16-0227)*		
26 05 13 16-0256	EA	#4 To 1/0 AWG Stress Cones, 5-15 KV, 6 Skirted	2,649.48	328.33
26 05 13 16-0257	EA	2/0 To 3/0 AWG Stress Cones, 5-15 KV, 6 Skirted	3,037.12	362.27
26 05 13 16-0258	EA	4/0 To 350 MCM Stress Cones, 5-15 KV, 6 Skirted	3,646.54	389.10
26 05 13 16-0259	EA	400 To 500 MCM Stress Cones, 5-15 KV, 6 Skirted	4,795.31	456.77
26 05 13 16-0260		**35 KV** *(26 05 13 16-0168)*		
26 05 13 16-0261		**35 KV One Conductor Splice** *(26 05 13 16-0260)*		
26 05 13 16-0262	EA	#1 Stranded To 4/0 Stranded, 35 KV, Cable Splicing	3,124.65	
26 05 13 16-0263		**Cable Termination** *(26 05 13 16-0260)*		
26 05 13 16-0264	EA	#2 To 3/0 AWG Cable Termination, 35 KV	842.10	151.41
26 05 13 16-0265	EA	3/0 AWG To 250 MCM, 35 KV, Cable Termination	1,116.67	228.44
26 05 13 16-0266	EA	350 To 500 MCM Cable Termination 35 KV	1,328.48	244.32
26 05 13 16-0267	EA	#2 To 3/0 AWG Cable Elbow Termination 35 KV	658.98	126.07

26 05 19 Low-Voltage Electrical Power Conductors and Cables *(26 05)*

26 05 19 13 Undercarpet Electrical Power Cables *(26 05 19)*

26 05 19 13-0001 Under Carpet Power System *(26 05 19 13)*

Note: Includes laying out, floor prep, taping, drill floor, folds, identifying, tagging and testing

26 05 19 13-0002	LF	3-Conductor, #12 Flat Cable With Attached Bottom Shield	6.04	0.57
26 05 19 13-0003	LF	Steel, Top Shield	14.57	0.57
26 05 19 13-0004	EA	3-Conductor, Splice	35.36	9.79
26 05 19 13-0005	EA	Splice Top Shield For 3 Conductor	10.51	4.61
26 05 19 13-0006	EA	3-Conductor, Tap	43.98	11.52
26 05 19 13-0007	EA	Insulating Patch, Splice Tap And End	67.18	9.79
26 05 19 13-0008	EA	3-Conductor, Transition Block Assembly	43.73	5.75
26 05 19 13-0009	EA	Single, Direct Connected, Receptacle With Box	132.07	18.42
26 05 19 13-0010	EA	Dual, Direct Connected, Receptacle With Box	219.77	28.79
26 05 19 13-0011	EA	Floor Mounted Box With Cover	218.04	23.04
26 05 19 13-0012	LF	5-Conductor, #12 Cable With Attached Bottom Shield	9.55	0.57
26 05 19 13-0013	LF	Steel, Top Shield For 5-Conductor Cable	9.48	0.57
26 05 19 13-0014	EA	5-Conductor, Splice	35.81	9.79
26 05 19 13-0015	EA	5-Conductor, Transition Block Assembly	57.54	5.75
26 05 19 13-0016	EA	Box, Wall, Flush With Cover	100.02	23.04
26 05 19 13-0017	EA	Telephone, Transition Fitting Wall Box	66.57	19.01
26 05 19 13-0018	EA	RJ-45, Telephone Fitting With Duplex Jack And Cover	87.08	21.88
26 05 19 13-0019	EA	Miniature Telephone With Duplex RJ-45	37.34	8.64
26 05 19 13-0020	LF	4-Pair, Level 5, Under Carpet Telephone Wire	2.18	0.57
26 05 19 13-0021	EA	BNC, Coax Plug, Connector	30.58	11.52
26 05 19 13-0022	EA	TNC, Coax Plug, Connector	30.58	11.52
26 05 19 13-0023	CLF	Under Carpet Power System; Flat RG A/U 59, 75 Ohm, RG A/U 62, 93 Ohm, RG A/U 58, 50 Ohm	160.26	57.59

26 05 19 16 Low-Voltage, Single-and Multi-Conductor Cables *(26 05 19)*

26 05 19 16-0001 Cable Installation Methods *(26 05 19 16)*

26 05 19 16-0002 Pull Cord *(26 05 19 16-0001)*

Note: Left in conduit for others to pull cable. Not to be used when contractor has priced new wire in a conduit. Priced when owner wants a pull cord left in a conduit for owner to pull wire at a later time.

26 05 19 16-0003	LF	Pull String Installed To Remain In Place, In Existing Conduit	0.40	
26 05 19 16-0004	LF	Pull String Installed To Remain In Place, In New Conduits	0.21	
26 05 19 16-0005	LF	1/4" Nylon Pull Cord Installed To Remain In Place, In Existing Conduit	0.69	
26 05 19 16-0006	LF	1/4" Nylon Pull Cord Installed To Remain In Place, In New Conduits	0.44	

26 05 19 16-0007 Bore Conduit Into Dirt Or Sand *(26 05 19 16-0001)*

Note: For installation under roads, driveways or other structures up to 20'.

26 05 19 16-0008	LF	Bore 1" To 4" Conduit Into Dirt Or Sand	3.55	
26 05 19 16-0009	LF	Bore 5" To 8" Conduit Into Dirt Or Sand	4.52	
26 05 19 16-0010	EA	Boring Minimum Set-Up Charge Note: For projects where the total boring charge is less than the minimum set-up charge. Use this item exclusively. This item should not be used in conjunction with any other items in this section.	497.29	

26 05 19 16-0011 Wire and Cable *(26 05 19 16)*

Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, splicing (#8 and lighter), identifying, tagging and testing. All conductors are copper except as otherwise noted. No special set-up is required. For tasks installed in conduit, tasks exclude conduit. Excludes terminations. See CSI section 26 05 33 13-0058 for various conduit types.

26 05 19 16-0012 600 Volt Wire *(26 05 19 16-0011)*

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0013		**Single Solid Conductor, Copper** *(26 05 19 16-0012)*		
26 05 19 16-0014	MLF	#14 AWG,Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit	690.82	279.54
26 05 19 16-0015	MLF	#12 AWG, Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit	863.67	328.83
26 05 19 16-0016	MLF	#10 AWG,Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit	1,066.86	402.09
26 05 19 16-0017	MLF	#14 AWG, Type XHHW, 600 Volt, Copper, Single Solid Cable, Installed In Conduit	877.77	279.54
26 05 19 16-0018	MLF	#12 AWG, Type XHHW, 600 Volt, Copper, Single Solid Cable, Installed In Conduit	1,058.92	328.83
26 05 19 16-0019	MLF	#10 AWG, Type XHHW, 600 Volt, Copper, Single Solid Cable, Installed In Conduit	1,267.19	402.09
26 05 19 16-0020		**Power Cable, Stranded Conductor, Copper** *(26 05 19 16-0012)*		
26 05 19 16-0021		**Power Cable, Stranded, Single Conductor, XHHW-2** *(26 05 19 16-0020)*		
26 05 19 16-0022	MLF	#16 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	722.65	230.36
26 05 19 16-0023	MLF	#14 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	853.33	276.43
26 05 19 16-0024	MLF	#12 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	1,049.52	322.51
26 05 19 16-0025	MLF	#10 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	1,289.92	368.57
26 05 19 16-0026	MLF	#8 AWG, XLP (XHHW-2), 600 Volt, Copper, Single Stranded, Power Cable, Installed In Conduit	1,717.75	460.71
26 05 19 16-0027	MLF	#6 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	2,317.88	552.86
26 05 19 16-0028	MLF	#4 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	3,170.66	691.08
26 05 19 16-0029	MLF	#3 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	3,750.08	783.22
26 05 19 16-0030	MLF	#2 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	4,438.34	875.37
26 05 19 16-0031	MLF	#1 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	5,497.55	967.51
26 05 19 16-0032	MLF	1/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	6,593.71	1,105.72
26 05 19 16-0033	MLF	2/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	7,895.58	1,243.94
26 05 19 16-0034	MLF	3/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	9,446.60	1,382.15
26 05 19 16-0035	MLF	4/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	11,315.04	1,520.37
26 05 19 16-0036	MLF	250 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	11,993.07	1,658.59
26 05 19 16-0037	MLF	300 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	14,214.23	1,796.80
26 05 19 16-0038	MLF	350 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	15,164.03	1,935.01
26 05 19 16-0039	MLF	400 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	16,958.49	2,073.23
26 05 19 16-0040	MLF	500 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	19,629.82	2,211.45
26 05 19 16-0041	MLF	600 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	22,600.86	2,395.73
26 05 19 16-0042	MLF	750 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	34,317.99	2,672.16
26 05 19 16-0043	MLF	1,000 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	48,381.39	3,132.88
26 05 19 16-0044		**Power Cable, Stranded, Multi Conductor, XHHW-2** *(26 05 19 16-0020)*		
26 05 19 16-0045	MLF	2 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	1,706.66	552.75
26 05 19 16-0046	MLF	3 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	2,099.28	645.13
26 05 19 16-0047	MLF	4 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	2,607.19	783.22
26 05 19 16-0048	MLF	6 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	3,103.43	851.98
26 05 19 16-0049	MLF	7 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	3,381.53	898.28
26 05 19 16-0050	MLF	9 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	3,936.00	990.32
26 05 19 16-0051	MLF	10 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	2,742.71	1,032.24
26 05 19 16-0052	MLF	12 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	4,768.99	1,128.76
26 05 19 16-0053	MLF	14 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	5,266.72	1,198.10
26 05 19 16-0054	MLF	24 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	7,695.32	1,520.48
26 05 19 16-0055	MLF	37 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	11,647.27	2,257.52
26 05 19 16-0056	MLF	2 Conductors, #12 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	2,099.31	645.13
26 05 19 16-0057	MLF	3 Conductors, #12 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	2,687.96	783.22
26 05 19 16-0058	MLF	4 Conductors, #12 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	3,276.64	921.44
26 05 19 16-0059	MLF	2 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	2,809.30	828.94
26 05 19 16-0060	MLF	3 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	3,637.21	1,012.66
26 05 19 16-0061	MLF	4 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	4,699.50	1,290.24
26 05 19 16-0062	MLF	6 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	6,358.77	1,659.16
26 05 19 16-0063	MLF	9 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	8,614.81	2,119.41
26 05 19 16-0064	MLF	2 Conductors, #8 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	3,493.09	944.48
26 05 19 16-0065	MLF	3 Conductors, #8 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	4,462.18	1,105.72
26 05 19 16-0066	MLF	4 Conductors, #8 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	5,776.80	1,405.19
26 05 19 16-0067	MLF	2 Conductors, #6 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	4,520.71	1,059.65
26 05 19 16-0068	MLF	3 Conductors, #6 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	6,089.81	1,313.05
26 05 19 16-0069	MLF	4 Conductors, #6 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	7,791.48	1,619.42
26 05 19 16-0070	MLF	2 Conductors, #4 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	6,099.93	1,285.63
26 05 19 16-0071	MLF	3 Conductors, #4 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	8,005.19	1,470.50
26 05 19 16-0072	MLF	4 Conductors, #4 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	10,359.37	1,835.04
26 05 19 16-0073	MLF	2 Conductors, #2 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	8,414.80	1,565.98
26 05 19 16-0074	MLF	3 Conductors, #2 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	11,127.75	1,751.19
26 05 19 16-0075	MLF	4 Conductors, #2 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	14,758.70	2,303.59
26 05 19 16-0076	MLF	3 Conductors, #1 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	14,764.00	2,211.10
26 05 19 16-0077	MLF	4 Conductors, #1 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	19,222.91	2,763.16
26 05 19 16-0078	MLF	3 Conductors, 1/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	17,478.59	2,396.19
26 05 19 16-0079	MLF	3 Conductors, 2/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	21,265.02	2,763.16
26 05 19 16-0080	MLF	3 Conductors, 3/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	26,032.72	3,223.64
26 05 19 16-0081	MLF	4 Conductors, 3/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	34,326.52	4,144.73
26 05 19 16-0082	MLF	3 Conductors, 4/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	31,764.62	3,688.86
26 05 19 16-0083	MLF	3 Conductors, 250 MCM, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	33,901.52	4,144.73
26 05 19 16-0084	MLF	3 Conductors, 350 MCM, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	42,497.40	4,607.18
26 05 19 16-0085	MLF	3 Conductors, 500 MCM, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	54,962.42	5,063.52

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0086		Underground Feeder And Branch Circuit Suitable, Single Stranded Copper *(26 05 19 16-0012)* Note: Direct bury.		
26 05 19 16-0087	MLF	#14 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	1,032.53	
26 05 19 16-0088	MLF	#12 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	1,215.56	
26 05 19 16-0089	MLF	#10 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	1,528.50	
26 05 19 16-0090	MLF	#8 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	2,014.24	
26 05 19 16-0091	MLF	#6 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	2,831.27	
26 05 19 16-0092	MLF	#4 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	3,734.37	
26 05 19 16-0093	MLF	#2 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	5,413.31	
26 05 19 16-0094	MLF	#1 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	6,747.82	
26 05 19 16-0095	MLF	1/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	8,286.07	
26 05 19 16-0096	MLF	2/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	10,050.82	
26 05 19 16-0097	MLF	3/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	12,129.01	
26 05 19 16-0098	MLF	4/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	13,706.12	
26 05 19 16-0099	MLF	250 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	14,841.22	
26 05 19 16-0100	MLF	300 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	17,788.69	
26 05 19 16-0101	MLF	350 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	19,896.62	
26 05 19 16-0102	MLF	400 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	22,364.77	
26 05 19 16-0103	MLF	500 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	26,515.32	
26 05 19 16-0104	MLF	600 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	31,334.50	
26 05 19 16-0105	MLF	750 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	49,933.71	
26 05 19 16-0106	MLF	#14 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	846.76	
26 05 19 16-0107	MLF	#12 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	1,014.64	
26 05 19 16-0108	MLF	#10 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	1,213.77	
26 05 19 16-0109	MLF	#8 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	1,489.34	
26 05 19 16-0110	MLF	#6 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	1,913.12	
26 05 19 16-0111	MLF	#4 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	2,541.33	
26 05 19 16-0112	MLF	#2 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	3,446.54	
26 05 19 16-0113	MLF	#1 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	4,073.69	
26 05 19 16-0114	MLF	1/0 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	4,611.89	
26 05 19 16-0115	MLF	2/0 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	5,197.74	
26 05 19 16-0116	MLF	3/0 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	6,036.23	
26 05 19 16-0117	MLF	4/0 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	7,048.16	
26 05 19 16-0118	MLF	250 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	7,990.57	
26 05 19 16-0119	MLF	300 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	8,984.17	
26 05 19 16-0120	MLF	350 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	10,061.86	
26 05 19 16-0121	MLF	400 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	11,176.18	
26 05 19 16-0122	MLF	500 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	13,004.40	
26 05 19 16-0123	MLF	750 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	21,684.79	
26 05 19 16-0124	MLF	#14 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	716.03	
26 05 19 16-0125	MLF	#12 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	891.57	
26 05 19 16-0126	MLF	#10 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	1,107.44	
26 05 19 16-0127	MLF	#8 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	1,560.87	
26 05 19 16-0128	MLF	#6 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	2,133.77	
26 05 19 16-0129	MLF	#4 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	2,833.23	
26 05 19 16-0130	MLF	#2 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	4,060.36	
26 05 19 16-0131	MLF	#1 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	4,847.07	
26 05 19 16-0132	MLF	1/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	5,639.72	
26 05 19 16-0133	MLF	2/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	6,408.92	
26 05 19 16-0134	MLF	3/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	7,624.53	
26 05 19 16-0135	MLF	4/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	9,101.78	
26 05 19 16-0136	MLF	250 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	10,702.01	
26 05 19 16-0137	MLF	300 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	12,370.36	
26 05 19 16-0138	MLF	350 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	14,165.52	
26 05 19 16-0139	MLF	400 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	15,896.70	
26 05 19 16-0140	MLF	500 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	18,915.30	
26 05 19 16-0141	MLF	600 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	22,771.94	
26 05 19 16-0142	MLF	750 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	36,181.21	
26 05 19 16-0143	MLF	#2 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	5,935.57	
26 05 19 16-0144	MLF	1/0 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	8,523.01	
26 05 19 16-0145	MLF	2/0 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	9,462.78	
26 05 19 16-0146	MLF	3/0 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	10,748.49	
26 05 19 16-0147	MLF	4/0 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	11,945.87	
26 05 19 16-0148	MLF	250 MCM,Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	12,873.50	
26 05 19 16-0149	MLF	350 MCM, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	18,462.80	
26 05 19 16-0150	MLF	400 MCM, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	20,071.82	
26 05 19 16-0151	MLF	500 MCM, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	22,893.16	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0152		600 Volt, Armored Cable, Copper Conductors *(26 05 19 16-0012)*		
26 05 19 16-0153		ACTHH, Solid *(26 05 19 16-0152)*		
26 05 19 16-0154	MLF	1 Conductor, #8 AWG, Type ACT, Solid, Armored Cable	2,788.10	756.41
26 05 19 16-0155	MLF	1 Conductor, #6 AWG, Type ACT, Solid, Armored Cable	3,219.64	857.26
26 05 19 16-0156	MLF	1 Conductor, #4 AWG, Type ACT, Solid, Armored Cable	3,703.68	907.69
26 05 19 16-0157	MLF	2 Conductors, #14 AWG, Type ACTHH, Solid, Armored Cable	3,975.44	1,260.68
26 05 19 16-0158	MLF	2 Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable	4,243.07	1,411.70
26 05 19 16-0159	MLF	2 Conductors, #10 AWG, Type ACTHH, Solid, Armored Cable	5,431.58	1,564.11
26 05 19 16-0160	MLF	2 Conductors, #8 AWG, Type ACTHH, Solid, Armored Cable	7,187.18	1,715.15
26 05 19 16-0161	MLF	3 Conductors, #14 AWG, Type ACTHH, Solid, Armored Cable	4,837.21	1,411.70
26 05 19 16-0162	MLF	3 Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable	5,044.86	1,564.11
26 05 19 16-0163	MLF	3 Conductors, #10 AWG, Type ACTHH, Solid, Armored Cable	6,513.63	1,765.70
26 05 19 16-0164	MLF	3 Conductors, #8 AWG, Type ACTHH, Solid, Armored Cable	8,562.06	1,915.97
26 05 19 16-0165	MLF	4 Conductors, #14 AWG, Type ACTHH, Solid, Armored Cable	5,799.82	1,564.11
26 05 19 16-0166	MLF	4 Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable	6,341.57	1,765.70
26 05 19 16-0167	MLF	4 Conductors, #10 AWG, Type ACTHH, Solid, Armored Cable	8,144.13	1,966.78
26 05 19 16-0168	MLF	4 Conductors, #8 AWG, Type ACTHH, Solid, Armored Cable	10,679.95	2,118.81
26 05 19 16-0169		ACTHH, Stranded *(26 05 19 16-0152)*		
26 05 19 16-0170	MLF	2 Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable	7,440.50	1,816.51
26 05 19 16-0171	MLF	2 Conductors, #6 AWG, Type ACTHH, Stranded, Armored Cable	9,115.64	2,066.62
26 05 19 16-0172	MLF	3 Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable	8,814.96	2,017.08
26 05 19 16-0173	MLF	3 Conductors, #6 AWG, Type ACTHH, Stranded, Armored Cable	11,130.68	2,267.45
26 05 19 16-0174	MLF	3 Conductors, #4 AWG, Type ACTHH, Stranded, Armored Cable	14,186.30	2,521.35
26 05 19 16-0175	MLF	3 Conductors, #3 AWG, Type ACTHH, Stranded, Armored Cable	16,347.06	2,770.71
26 05 19 16-0176	MLF	3 Conductors, #2 AWG, Type ACTHH, Stranded, Armored Cable	18,776.07	3,023.22
26 05 19 16-0177	MLF	4 Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable	11,432.31	2,419.74
26 05 19 16-0178	MLF	4 Conductors, #6 AWG, Type ACTHH, Stranded, Armored Cable	13,916.60	2,670.87
26 05 19 16-0179	MLF	4 Conductors, #4 AWG, Type ACTHH, Stranded, Armored Cable	18,052.15	2,925.02
26 05 19 16-0180	MLF	4 Conductors, #3 AWG, Type ACTHH, Stranded, Armored Cable	19,792.39	3,175.51
26 05 19 16-0181	MLF	4 Conductors, #2 AWG, Type ACTHH, Stranded, Armored Cable	23,583.47	3,425.76
26 05 19 16-0182		HCFC, Solid *(26 05 19 16-0152)*		
26 05 19 16-0183	MLF	2 Conductors, #14 AWG, Type HCF, Solid, Armored Cable	4,492.86	1,260.68
26 05 19 16-0184	MLF	2 Conductors, #12 AWG, Type HCF, Solid, Armored Cable	4,908.76	1,416.49
26 05 19 16-0185	MLF	2 Conductors, #10 AWG, Type HCF, Solid, Armored Cable	5,494.60	1,556.43
26 05 19 16-0186	MLF	3 Conductors, #14 AWG, Type HCF, Solid, Armored Cable	5,478.96	1,416.49
26 05 19 16-0187	MLF	3 Conductors, #12 AWG, Type HCF, Solid, Armored Cable	5,867.71	1,556.43
26 05 19 16-0188	MLF	3 Conductors, #10 AWG, Type HCF, Solid, Armored Cable	7,750.02	1,775.66
26 05 19 16-0189	MLF	4 Conductors, #14 AWG, Type HCF, Solid, Armored Cable	6,785.56	1,556.43
26 05 19 16-0190	MLF	4 Conductors, #12 AWG, Type HCF, Solid, Armored Cable	7,392.08	1,775.66
26 05 19 16-0191	MLF	4 Conductors, #10 AWG, Type HCF, Solid, Armored Cable	10,238.70	1,969.81
26 05 19 16-0192		MC, Solid Or Stranded, Galvanized Steel Armor *(26 05 19 16-0152)*		
26 05 19 16-0193	MLF	2 Conductors, #14 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	4,042.80	1,260.68
26 05 19 16-0194	MLF	2 Conductors, #12 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	4,510.41	1,416.49
26 05 19 16-0195	MLF	2 Conductors, #10 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	5,511.60	1,556.43
26 05 19 16-0196	MLF	2 Conductors, #8 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	7,249.45	1,663.20
26 05 19 16-0197	MLF	2 Conductors, #6 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	9,215.18	1,763.18
26 05 19 16-0198	MLF	3 Conductors, #14 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	4,693.72	1,416.49
26 05 19 16-0199	MLF	3 Conductors, #12 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	5,321.50	1,556.43
26 05 19 16-0200	MLF	3 Conductors, #10 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	6,886.57	1,775.66
26 05 19 16-0201	MLF	3 Conductors, #8 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	9,190.69	1,915.97
26 05 19 16-0202	MLF	3 Conductors, #6 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	10,855.54	2,066.62
26 05 19 16-0203	MLF	3 Conductors, #4 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	13,642.38	2,219.55
26 05 19 16-0204	MLF	3 Conductors, #2 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	19,304.77	2,369.69
26 05 19 16-0205	MLF	4 Conductors, #14 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	5,494.97	1,556.43
26 05 19 16-0206	MLF	4 Conductors, #12 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	6,299.63	1,775.66
26 05 19 16-0207	MLF	4 Conductors, #10 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	9,962.99	1,969.81
26 05 19 16-0208	MLF	4 Conductors, #8 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	13,826.47	2,169.87
26 05 19 16-0209	MLF	4 Conductors, #6 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	17,105.17	2,321.65
26 05 19 16-0210	MLF	4 Conductors, #4 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	22,942.80	2,471.93
26 05 19 16-0211	MLF	4 Conductors, #2 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	29,999.56	2,620.94
26 05 19 16-0212		FPLP Solid TFN Red Armored Cable *(26 05 19 16-0152)*		
		Note: Color coded red.		
26 05 19 16-0213	MLF	#18/2 With Bare #18 Ground Type TFN FPLP Red Armored Cable	4,146.98	958.12
26 05 19 16-0214	MLF	#18/4 With Bare #18 Ground Type TFN FPLP Red Armored Cable	4,702.66	1,109.40
26 05 19 16-0215	MLF	#18/6 With Bare #18 Ground Type TFN FPLP Red Armored Cable	5,865.36	1,260.68
26 05 19 16-0216	MLF	#18/8 With Bare #18 Ground Type TFN FPLP Red Armored Cable	6,738.19	1,411.95
26 05 19 16-0217	MLF	#16/2 With Bare #16 Ground Type TFN FPLP Red Armored Cable	4,714.21	1,109.40
26 05 19 16-0218	MLF	#16/4 With Bare #16 Ground Type TFN FPLP Red Armored Cable	5,588.11	1,260.68
26 05 19 16-0219	MLF	#16/6 With Bare #16 Ground Type TFN FPLP Red Armored Cable	7,071.10	1,411.95
26 05 19 16-0220	MLF	#16/8 With Bare #16 Ground Type TFN FPLP Red Armored Cable	8,057.36	1,563.23

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0221			**FPLP Solid THHN Red Armored Cable** *(26 05 19 16-0152)*		
			Note: Color coded red.		
26 05 19 16-0222		MLF	#14/2 With #14 Ground Type THHN FPLP Red Armored Cable	5,227.90	1,260.68
26 05 19 16-0223		MLF	#14/4 With #14 Ground Type THHN FPLP Red Armored Cable	6,539.71	1,411.95
26 05 19 16-0224		MLF	#14/6 With #14 Ground Type THHN FPLP Red Armored Cable	8,799.84	1,563.23
26 05 19 16-0225		MLF	#14/8 With #14 Ground Type THHN FPLP Red Armored Cable	10,233.46	1,714.51
26 05 19 16-0226		MLF	#12/2 With #12 Ground Type THHN FPLP Red Armored Cable	6,651.03	1,411.95
26 05 19 16-0227		MLF	#12/4 With #12 Ground Type THHN FPLP Red Armored Cable	8,189.68	1,563.23
26 05 19 16-0228			**FPLP Twisted Shielded Pair Red Armored Cable** *(26 05 19 16-0152)*		
			Note: Color coded red.		
26 05 19 16-0229		MLF	#18/2 With #18 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable	4,525.04	958.12
26 05 19 16-0230		MLF	#18/2 With #18 Tinned Ground And #14/2 With #14 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable	7,289.53	1,411.95
26 05 19 16-0231		MLF	#16/2 With #16 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable	5,586.91	1,109.40
26 05 19 16-0232		MLF	#16/4 With Two #16 Tinned Grounds FPLP Twisted Shielded Pair Red Armored Cable	6,615.18	1,260.68
26 05 19 16-0233		MLF	#16/2 With #16 Tinned Ground And #12/2 With #12 Ground FPLP Twisted Shielded Pair Red Armored Cable	9,258.77	1,563.23
26 05 19 16-0234		MLF	#14/2 With One #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable	6,540.67	1,311.11
26 05 19 16-0235		MLF	#14/4 With Two #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable	8,114.02	1,512.81
26 05 19 16-0236			**Armored Cable Connectors** *(26 05 19 16-0152)*		
26 05 19 16-0237		EA	3/4" Armored Cable Connector	7.69	2.77
			For Work In Restricted Working Space, Add	*2.07*	
			For Elevated Installation >10' To 15', Add	*0.69*	
			For Elevated Installation >15' To 20', Add	*1.38*	
			For Elevated Installation >20' To 25', Add	*1.73*	
			For Elevated Installation >25' To 30', Add	*2.42*	
			For Elevated Installation >30' To 35', Add	*2.76*	
			For Elevated Installation >35' To 40', Add	*3.46*	
			For Elevated Installation >40', Add	*3.80*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.07*	
26 05 19 16-0238		EA	1" Armored Cable Connector	10.27	3.69
			For Work In Restricted Working Space, Add	*2.76*	
			For Elevated Installation >10' To 15', Add	*0.92*	
			For Elevated Installation >15' To 20', Add	*1.84*	
			For Elevated Installation >20' To 25', Add	*2.30*	
			For Elevated Installation >25' To 30', Add	*3.22*	
			For Elevated Installation >30' To 35', Add	*3.68*	
			For Elevated Installation >35' To 40', Add	*4.61*	
			For Elevated Installation >40', Add	*5.07*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.76*	
26 05 19 16-0239		EA	1-1/4" Armored Cable Connector	12.91	4.61
			For Work In Restricted Working Space, Add	*3.46*	
			For Elevated Installation >10' To 15', Add	*1.15*	
			For Elevated Installation >15' To 20', Add	*2.30*	
			For Elevated Installation >20' To 25', Add	*2.88*	
			For Elevated Installation >25' To 30', Add	*4.03*	
			For Elevated Installation >30' To 35', Add	*4.61*	
			For Elevated Installation >35' To 40', Add	*5.76*	
			For Elevated Installation >40', Add	*6.34*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.46*	
26 05 19 16-0240			**600 Volt, Feeder Wire, Single Stranded Copper** *(26 05 19 16-0012)*		
26 05 19 16-0241		MLF	#14 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	954.18	184.63
			For EPR Insulation, Add	*39.47*	
			For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*92.09*	
26 05 19 16-0242		MLF	#12 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,074.47	204.44
			For EPR Insulation, Add	*40.23*	
			For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*93.87*	
26 05 19 16-0243		MLF	#10 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,313.02	255.58
			For EPR Insulation, Add	*58.74*	
			For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*137.05*	
26 05 19 16-0244		MLF	#8 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,795.54	406.58
			For EPR Insulation, Add	*96.56*	
			For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*225.31*	
26 05 19 16-0245		MLF	#6 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,463.90	487.90
			For EPR Insulation, Add	*162.26*	
			For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*378.61*	
26 05 19 16-0246		MLF	#4 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,364.24	566.45
			For EPR Insulation, Add	*245.48*	
			For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*572.79*	
26 05 19 16-0247		MLF	#3 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,838.85	648.34
			For EPR Insulation, Add	*282.12*	
			For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*658.28*	
26 05 19 16-0248		MLF	#2 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	4,846.38	730.24
			For EPR Insulation, Add	*398.70*	
			For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*930.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0249	MLF	#1 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	6,010.13	813.29
		For EPR Insulation, Add	*538.70*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*1,256.98*	
26 05 19 16-0250	MLF	1/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	7,249.66	917.52
		For EPR Insulation, Add	*672.80*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*1,569.88*	
26 05 19 16-0251	MLF	2/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	8,748.04	1,017.49
		For EPR Insulation, Add	*845.73*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*1,973.37*	
26 05 19 16-0252	MLF	3/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	10,501.00	1,135.90
		For EPR Insulation, Add	*1,056.84*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*2,465.96*	
26 05 19 16-0253	MLF	4/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	11,846.99	1,262.94
		For EPR Insulation, Add	*1,206.91*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*2,816.12*	
26 05 19 16-0254	MLF	250 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	12,614.00	1,385.15
		For EPR Insulation, Add	*1,270.13*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*2,963.64*	
26 05 19 16-0255	MLF	300 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	14,893.00	1,522.68
		For EPR Insulation, Add	*1,560.15*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*3,640.35*	
26 05 19 16-0256	MLF	350 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	16,617.13	1,614.24
		For EPR Insulation, Add	*1,766.94*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*4,122.86*	
26 05 19 16-0257	MLF	400 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	18,622.99	1,804.18
		For EPR Insulation, Add	*2,015.99*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*4,703.97*	
26 05 19 16-0258	MLF	500 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	21,288.22	2,006.54
		For EPR Insulation, Add	*2,363.94*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*5,515.86*	
26 05 19 16-0259	MLF	600 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	24,935.37	2,087.63
		For EPR Insulation, Add	*2,841.91*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*6,631.11*	
26 05 19 16-0260	MLF	750 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	40,514.07	2,168.59
		For EPR Insulation, Add	*5,075.05*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*11,841.78*	
26 05 19 16-0261	MLF	1,000 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	51,039.10	2,317.18
		For EPR Insulation, Add	*6,584.70*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*15,364.29*	
26 05 19 16-0262	MLF	#16 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,665.00	414.41
26 05 19 16-0263	MLF	#14 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,085.19	460.71
26 05 19 16-0264	MLF	#12 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,618.49	553.32
26 05 19 16-0265	MLF	#10 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,104.96	644.77
26 05 19 16-0266	MLF	#8 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	4,640.48	690.39
26 05 19 16-0267	MLF	#18 AWG, Type TFFN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	540.70	230.36
26 05 19 16-0268	MLF	#16 AWG, Type TFFN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	674.35	253.40
26 05 19 16-0269	MLF	#14 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	709.36	184.75
26 05 19 16-0270	MLF	#12 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	882.02	220.23
26 05 19 16-0271	MLF	#10 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,093.12	277.01
26 05 19 16-0272	MLF	#8 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,535.90	365.12
26 05 19 16-0273	MLF	#6 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,092.50	440.91
26 05 19 16-0274	MLF	#4 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,769.62	521.07
26 05 19 16-0275	MLF	#3 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,311.49	589.83
26 05 19 16-0276	MLF	#2 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,960.25	660.55
26 05 19 16-0277	MLF	#1 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	4,720.46	745.44
26 05 19 16-0278	MLF	1/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	5,491.82	816.27
26 05 19 16-0279	MLF	2/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	6,235.36	902.08
26 05 19 16-0280	MLF	3/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	7,404.06	954.15
26 05 19 16-0281	MLF	4/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	8,827.43	1,073.47
26 05 19 16-0282	MLF	250 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	10,367.90	1,142.01
26 05 19 16-0283	MLF	300 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	11,973.26	1,293.35
26 05 19 16-0284	MLF	350 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	13,699.40	1,431.33
26 05 19 16-0285	MLF	400 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	15,364.61	1,470.50
26 05 19 16-0286	MLF	500 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	18,255.90	1,555.73
26 05 19 16-0287	MLF	600 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	22,656.77	1,830.78
26 05 19 16-0288	MLF	750 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	34,754.45	2,168.59
26 05 19 16-0289	MLF	1,000 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	41,645.27	2,618.26
26 05 19 16-0290	MLF	#16 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,944.70	553.32
26 05 19 16-0291	MLF	#14 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,268.57	644.77
26 05 19 16-0292	MLF	#12 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,788.91	737.72
26 05 19 16-0293	MLF	#10 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	4,941.65	828.94
26 05 19 16-0294	MLF	#8 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	5,602.31	921.44
26 05 19 16-0295	MLF	#6 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	7,167.35	1,012.66
26 05 19 16-0296		600 Volt, Feeder Wire, Single Stranded Aluminum *(26 05 19 16-0012)*		
26 05 19 16-0297	MLF	#6 AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,303.08	357.06
26 05 19 16-0298	MLF	#4 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,543.88	415.19
26 05 19 16-0299	MLF	#2 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,019.05	532.96
26 05 19 16-0300	MLF	#1 AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,493.49	595.14
26 05 19 16-0301	MLF	1/0 AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,883.21	670.51
26 05 19 16-0302	MLF	2/0 AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,276.36	740.06
26 05 19 16-0303	MLF	3/0 AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,859.79	835.20

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0304	MLF	4/0 AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,272.41	921.44
26 05 19 16-0305	MLF	250 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,935.93	1,012.96
26 05 19 16-0306	MLF	300 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	6,073.84	1,101.58
26 05 19 16-0307	MLF	350 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	6,350.28	1,190.17
26 05 19 16-0308	MLF	400 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	7,255.15	1,323.79
26 05 19 16-0309	MLF	500 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	7,995.53	1,457.37
26 05 19 16-0310	MLF	600 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	9,758.29	1,697.68
26 05 19 16-0311	MLF	700 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	11,018.43	1,861.13
26 05 19 16-0312	MLF	750 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	11,255.69	1,930.12
26 05 19 16-0313	MLF	1,000 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	15,427.14	2,341.35
26 05 19 16-0314	MLF	#8 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,523.21	409.00
26 05 19 16-0315	MLF	#6 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,712.83	460.71
26 05 19 16-0316	MLF	#4 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,108.50	566.79
26 05 19 16-0317	MLF	#2 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,675.73	694.77
26 05 19 16-0318	MLF	#1 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,419.49	817.89
26 05 19 16-0319	MLF	1/0 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,954.32	921.78
26 05 19 16-0320	MLF	2/0 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,509.23	1,023.83
26 05 19 16-0321	MLF	3/0 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	5,214.44	1,117.01
26 05 19 16-0322	MLF	4/0 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	5,663.21	1,188.76
26 05 19 16-0323	MLF	250 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	6,465.32	1,271.93
26 05 19 16-0324	MLF	300 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	7,946.03	1,363.15
26 05 19 16-0325	MLF	350 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	8,294.49	1,472.57
26 05 19 16-0326	MLF	400 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	9,408.09	1,605.83
26 05 19 16-0327	MLF	500 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	10,556.27	1,842.87
26 05 19 16-0328	MLF	600 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	12,386.28	1,939.40
26 05 19 16-0329	MLF	700 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	13,813.20	2,044.66
26 05 19 16-0330	MLF	750 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	14,222.86	2,172.98
26 05 19 16-0331	MLF	1,000 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	20,700.15	3,045.35
26 05 19 16-0332	MLF	#6 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,604.66	460.71
26 05 19 16-0333	MLF	#4 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,998.83	566.68
26 05 19 16-0334	MLF	#2 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,489.73	695.69
26 05 19 16-0335	MLF	#1 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,107.03	813.29
26 05 19 16-0336	MLF	1/0 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,510.01	917.52
26 05 19 16-0337	MLF	2/0 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,967.06	1,017.49
26 05 19 16-0338	MLF	3/0 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,578.17	1,117.01
26 05 19 16-0339	MLF	4/0 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,990.46	1,188.76
26 05 19 16-0340	MLF	250 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	5,636.25	1,271.12
26 05 19 16-0341	MLF	300 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	6,776.32	1,364.87
26 05 19 16-0342	MLF	350 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	7,179.91	1,474.53
26 05 19 16-0343	MLF	400 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	7,938.96	1,602.14
26 05 19 16-0344	MLF	500 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	9,135.84	1,842.87
26 05 19 16-0345	MLF	600 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	10,399.25	1,934.21
26 05 19 16-0346	MLF	700 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	11,503.64	2,044.66
26 05 19 16-0347	MLF	750 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	11,963.24	2,166.41
26 05 19 16-0348		**600 Volt, Single Stranded Copper, Low Smoke Zero Halogen** *(26 05 19 16-0012)*		
26 05 19 16-0349	MLF	#14 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	729.85	184.75
26 05 19 16-0350	MLF	#12 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	933.83	220.23
26 05 19 16-0351	MLF	#10 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	1,268.47	277.01
26 05 19 16-0352	MLF	#8 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	1,915.22	365.12
26 05 19 16-0353	MLF	#6 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	2,759.46	440.91
26 05 19 16-0354	MLF	#4 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	3,599.76	521.07
26 05 19 16-0355	MLF	#3 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	4,333.97	589.83
26 05 19 16-0356	MLF	#2 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	5,266.31	660.55
26 05 19 16-0357	MLF	#1 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	6,042.09	745.44
26 05 19 16-0358	MLF	1/0 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	6,921.92	816.27
26 05 19 16-0359	MLF	2/0 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	7,983.17	902.08
26 05 19 16-0360	MLF	3/0 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	9,661.90	954.15
26 05 19 16-0361	MLF	4/0 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	11,738.73	1,073.47
26 05 19 16-0362	MLF	250 MCM, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	13,358.77	1,142.01
26 05 19 16-0363	MLF	300 MCM, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	15,717.48	1,293.35
26 05 19 16-0364	MLF	350 MCM, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	18,232.55	1,431.33
26 05 19 16-0365	MLF	400 MCM, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	19,959.83	1,470.50
26 05 19 16-0366	MLF	500 MCM, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	24,068.14	1,555.73
26 05 19 16-0367	MLF	600 MCM, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	28,781.24	1,830.78
26 05 19 16-0368	MLF	750 MCM, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	37,477.46	2,168.59
26 05 19 16-0369	MLF	1,000 MCM, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	48,780.92	2,618.26
26 05 19 16-0370		**Non-Metallic Sheathed Cable** *(26 05 19 16-0012)*		
26 05 19 16-0371		**Indoor Installation** *(26 05 19 16-0370)*		
		Note: For NM, NM-B, NMC-B and NMS-B.		
26 05 19 16-0372	MLF	#14 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	3,361.92	875.25
		For Installation In Wood Stud Wall (Includes Drilling), Add	*328.21*	
26 05 19 16-0373	MLF	#14 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	4,258.56	1,059.65
		For Installation In Wood Stud Wall (Includes Drilling), Add	*397.39*	
26 05 19 16-0374	MLF	#14 AWG, 4 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	6,684.55	1,172.52
		For Installation In Wood Stud Wall (Includes Drilling), Add	*439.70*	
26 05 19 16-0375	MLF	#12 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	4,387.46	995.15
		For Installation In Wood Stud Wall (Includes Drilling), Add	*354.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0376	MLF	#12 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	6,593.00	1,105.49
		For Installation In Wood Stud Wall (Includes Drilling), Add	*414.57*	
26 05 19 16-0377	MLF	#12 AWG, 4 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	9,008.88	1,234.72
		For Installation In Wood Stud Wall (Includes Drilling), Add	*463.02*	
26 05 19 16-0378	MLF	#10 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	5,560.90	1,106.07
		For Installation In Wood Stud Wall (Includes Drilling), Add	*414.79*	
26 05 19 16-0379	MLF	#10 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	9,325.60	1,290.24
		For Installation In Wood Stud Wall (Includes Drilling), Add	*483.84*	
26 05 19 16-0380	MLF	#10 AWG, 4 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	11,188.13	1,474.30
		For Installation In Wood Stud Wall (Includes Drilling), Add	*552.86*	
26 05 19 16-0381	MLF	#8 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	11,368.96	1,324.56
		For Installation In Wood Stud Wall (Includes Drilling), Add	*471.66*	
26 05 19 16-0382	MLF	#8 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	14,615.75	1,601.00
		For Installation In Wood Stud Wall (Includes Drilling), Add	*570.14*	
26 05 19 16-0383	MLF	#6 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	15,145.92	1,508.85
		For Installation In Wood Stud Wall (Includes Drilling), Add	*535.58*	
26 05 19 16-0384	MLF	#6 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	20,422.13	1,819.83
		For Installation In Wood Stud Wall (Includes Drilling), Add	*647.88*	
26 05 19 16-0385	MLF	#4 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	49,537.83	2,004.12
		For Installation In Wood Stud Wall (Includes Drilling), Add	*712.67*	
26 05 19 16-0386	MLF	#2 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	57,952.26	2,176.90
		For Installation In Wood Stud Wall (Includes Drilling), Add	*777.46*	

26 05 19 16-0387 Direct Burial Cable *(26 05 19 16-0370)*

Note: Excludes trench and backfill. For NM, NM-B, NMC-B and NMS-B. Copper.

26 05 19 16-0388	MLF	#14 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	2,553.20	
26 05 19 16-0389	MLF	#14 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	3,307.29	
26 05 19 16-0390	MLF	#12 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	3,225.04	
26 05 19 16-0391	MLF	#12 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	4,060.25	
26 05 19 16-0392	MLF	#10 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	3,469.53	
26 05 19 16-0393	MLF	#10 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	4,874.92	
26 05 19 16-0394	MLF	#8 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	5,171.10	
26 05 19 16-0395	MLF	#8 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	6,571.90	
26 05 19 16-0396	MLF	#6 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	6,466.08	
26 05 19 16-0397	MLF	#6 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	8,409.68	

26 05 19 16-0398 SEU Cable Copper, 3 Conductor *(26 05 19 16-0370)*

26 05 19 16-0399	MLF	12-12-12 Cable SEU Copper	3,367.75	1,109.77
26 05 19 16-0400	MLF	10-10-10 Cable SEU Copper	4,212.43	1,260.68
26 05 19 16-0401	MLF	8-8-8 Cable SEU Copper	5,224.82	1,411.70
26 05 19 16-0402	MLF	6-6-8 Cable SEU Copper	6,289.83	1,513.44
26 05 19 16-0403	MLF	6-6-6 Cable SEU Copper	6,759.49	1,564.11
26 05 19 16-0404	MLF	4-4-6 Cable SEU Copper	8,220.43	1,715.15
26 05 19 16-0405	MLF	4-4-4 Cable SEU Copper	8,849.26	1,765.70
26 05 19 16-0406	MLF	3-3-5 Cable SEU Copper	10,289.57	1,915.97
26 05 19 16-0407	MLF	3-3-3 Cable SEU Copper	10,927.52	2,017.08
26 05 19 16-0408	MLF	2-2-4 Cable SEU Copper	11,670.03	2,118.81
26 05 19 16-0409	MLF	2-2-2 Cable SEU Copper	12,472.46	2,219.55
26 05 19 16-0410	MLF	1-1-1 Cable SEU Copper	15,248.31	2,521.35
26 05 19 16-0411	MLF	1/0-1/0-1/0 Cable SEU Copper	18,130.29	2,826.69
26 05 19 16-0412	MLF	2/0-2/0-2/0 Cable SEU Copper	21,811.85	3,183.59
26 05 19 16-0413	MLF	3/0-3/0-3/0 Cable SEU Copper	26,215.50	3,541.24
26 05 19 16-0414	MLF	4/0-4/0-4/0 Cable SEU Copper	29,296.75	3,951.96

26 05 19 16-0415 SEU Cable Aluminum, 3 Conductor *(26 05 19 16-0370)*

26 05 19 16-0416	MLF	8-8-8 Cable SEU Aluminum	4,455.17	1,416.49
26 05 19 16-0417	MLF	6-6-6 Cable SEU Aluminum	5,066.03	1,556.43
26 05 19 16-0418	MLF	4-4-6 Cable SEU Aluminum	5,679.75	1,703.67
26 05 19 16-0419	MLF	4-4-4 Cable SEU Aluminum	5,945.55	1,775.66
26 05 19 16-0420	MLF	2-2-4 Cable SEU Aluminum	7,108.63	2,101.17
26 05 19 16-0421	MLF	2-2-2 Cable SEU Aluminum	7,541.96	2,211.73
26 05 19 16-0422	MLF	1-1-1 Cable SEU Aluminum	9,030.87	2,521.35
26 05 19 16-0423	MLF	1/0-1/0-2 Cable SEU Aluminum	9,556.50	2,654.10
26 05 19 16-0424	MLF	1/0-1/0-1/0 Cable SEU Aluminum	11,526.03	2,801.47
26 05 19 16-0425	MLF	2/0-2/0-1 Cable SEU Aluminum	10,790.92	3,001.67
26 05 19 16-0426	MLF	2/0-2/0-2/0 Cable SEU Aluminum	11,395.49	3,151.69
26 05 19 16-0427	MLF	3/0-3/0-1/0 Cable SEU Aluminum	12,385.83	3,300.19
26 05 19 16-0428	MLF	3/0-3/0-3/0 Cable SEU Aluminum	13,244.76	3,501.90
26 05 19 16-0429	MLF	4/0-4/0-2/0 Cable SEU Aluminum	14,001.96	3,785.81
26 05 19 16-0430	MLF	4/0-4/0-4/0 Cable SEU Aluminum	14,775.67	3,939.61

26 05 19 16-0431 SER Cable Copper, 4 Conductor *(26 05 19 16-0370)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0432	MLF	6-6-6-6 Cable SER Copper	10,555.49	1,816.51
26 05 19 16-0433	MLF	4-4-4-6 Cable SER Copper	11,573.18	1,966.78
26 05 19 16-0434	MLF	3-3-3-5 Cable SER Copper	14,328.74	2,219.55
26 05 19 16-0435	MLF	2-2-2-4 Cable SER Copper	16,396.51	2,419.74
26 05 19 16-0436	MLF	1-1-1-3 Cable SER Copper	19,107.72	2,770.71
26 05 19 16-0437	MLF	1/0-1/0-1/0-2 Cable SER Copper	23,260.26	3,175.51
26 05 19 16-0438	MLF	2/0-2/0-2/0-1 Cable SER Copper	29,109.46	3,425.76
26 05 19 16-0439	MLF	3/0-3/0-3/0-1/0 Cable SER Copper	33,615.35	3,831.82
26 05 19 16-0440		**SER Cable Aluminum, 4 Conductor** *(26 05 19 16-0370)*		
26 05 19 16-0441	MLF	8-8-8-8 Cable SER Aluminum	5,203.89	1,695.48
26 05 19 16-0442	MLF	6-6-6-6 Cable SER Aluminum	5,647.49	1,816.51
26 05 19 16-0443	MLF	4-4-4-6 Cable SER Aluminum	6,267.46	1,966.78
26 05 19 16-0444	MLF	2-2-2-4 Cable SER Aluminum	7,848.09	2,419.74
26 05 19 16-0445	MLF	1-1-1-3 Cable SER Aluminum	9,332.75	2,770.71
26 05 19 16-0446	MLF	1/0-1/0-1/0-2 Cable SER Aluminum	10,580.30	3,175.51
26 05 19 16-0447	MLF	2/0-2/0-2/0-1 Cable SER Aluminum	11,734.63	3,425.76
26 05 19 16-0448	MLF	3/0-3/0-3/0-1/0 Cable SER Aluminum	13,304.15	3,831.82
26 05 19 16-0449	MLF	4/0-4/0-4/0-2/0 Cable SER Aluminum	15,041.74	4,269.77
26 05 19 16-0450		**Control Tray Cable, Low Voltage** *(26 05 19 16-0011)*		
		Note: Type "TC" multi-conductor (individually numbered conductors) control cables installed in conduit.		
26 05 19 16-0451	MLF	2 Conductor #18 AWG, Stranded, Type TC Control Cable	1,159.63	558.73
		For Work In Restricted Working Space, Add	*279.37*	
26 05 19 16-0452	MLF	3 Conductor #18 AWG, Stranded, Type TC Control Cable	1,335.35	625.01
		For Work In Restricted Working Space, Add	*312.50*	
26 05 19 16-0453	MLF	4 Conductor #18 AWG, Stranded, Type TC Control Cable	1,395.18	624.97
		For Work In Restricted Working Space, Add	*312.50*	
26 05 19 16-0454	MLF	5 Conductor #18 AWG, Stranded, Type TC Control Cable	1,746.99	783.88
		For Work In Restricted Working Space, Add	*391.94*	
26 05 19 16-0455	MLF	7 Conductor #18 AWG, Stranded, Type TC Control Cable	2,195.73	955.24
		For Work In Restricted Working Space, Add	*477.62*	
26 05 19 16-0456	MLF	9 Conductor #18 AWG, Stranded, Type TC Control Cable	2,501.22	1,050.43
		For Work In Restricted Working Space, Add	*525.22*	
26 05 19 16-0457	MLF	12 Conductor #18 AWG, Stranded, Type TC Control Cable	2,968.18	1,193.55
		For Work In Restricted Working Space, Add	*596.78*	
26 05 19 16-0458	MLF	15 Conductor #18 AWG, Stranded, Type TC Control Cable	3,747.53	1,458.86
		For Work In Restricted Working Space, Add	*729.43*	
26 05 19 16-0459	MLF	19 Conductor #18 AWG, Stranded, Type TC Control Cable	4,273.23	1,591.55
		For Work In Restricted Working Space, Add	*795.78*	
26 05 19 16-0460	MLF	25 Conductor #18 AWG, Stranded, Type TC Control Cable	5,030.51	1,641.31
		For Work In Restricted Working Space, Add	*820.65*	
26 05 19 16-0461	MLF	30 Conductor #18 AWG, Stranded, Type TC Control Cable	6,174.64	2,050.43
		For Work In Restricted Working Space, Add	*1,025.21*	
26 05 19 16-0462	MLF	37 Conductor #18 AWG, Stranded, Type TC Control Cable	7,398.29	2,396.31
		For Work In Restricted Working Space, Add	*1,198.16*	
26 05 19 16-0463	MLF	2 Conductor #16 AWG, Stranded, Type TC Control Cable	1,265.69	588.57
		For Work In Restricted Working Space, Add	*294.05*	
26 05 19 16-0464	MLF	3 Conductor #16 AWG, Stranded, Type TC Control Cable	1,463.60	657.91
		For Work In Restricted Working Space, Add	*328.95*	
26 05 19 16-0465	MLF	4 Conductor #16 AWG, Stranded, Type TC Control Cable	1,704.23	757.42
		For Work In Restricted Working Space, Add	*378.71*	
26 05 19 16-0466	MLF	5 Conductor #16 AWG, Stranded, Type TC Control Cable	1,925.89	825.14
		For Work In Restricted Working Space, Add	*412.58*	
26 05 19 16-0467	MLF	7 Conductor #16 AWG, Stranded, Type TC Control Cable	2,430.44	1,005.52
		For Work In Restricted Working Space, Add	*502.76*	
26 05 19 16-0468	MLF	9 Conductor #16 AWG, Stranded, Type TC Control Cable	2,780.99	1,105.72
		For Work In Restricted Working Space, Add	*552.86*	
26 05 19 16-0469	MLF	12 Conductor #16 AWG, Stranded, Type TC Control Cable	3,317.60	1,256.38
		For Work In Restricted Working Space, Add	*628.19*	
26 05 19 16-0470	MLF	15 Conductor #16 AWG, Stranded, Type TC Control Cable	4,204.41	1,535.57
		For Work In Restricted Working Space, Add	*767.79*	
26 05 19 16-0471	MLF	19 Conductor #16 AWG, Stranded, Type TC Control Cable	4,817.75	1,675.17
		For Work In Restricted Working Space, Add	*837.59*	
26 05 19 16-0472	MLF	25 Conductor #16 AWG, Stranded, Type TC Control Cable	5,748.25	1,727.69
		For Work In Restricted Working Space, Add	*863.85*	
26 05 19 16-0473	MLF	30 Conductor #16 AWG, Stranded, Type TC Control Cable	7,043.64	2,158.23
		For Work In Restricted Working Space, Add	*1,079.12*	
26 05 19 16-0474	MLF	37 Conductor #16 AWG, Stranded, Type TC Control Cable	8,459.60	2,522.43
		For Work In Restricted Working Space, Add	*1,261.22*	
26 05 19 16-0475	MLF	2 Conductor #14 AWG, Stranded, Type TC Control Cable	1,370.65	614.37
		For Work In Restricted Working Space, Add	*307.19*	
26 05 19 16-0476	MLF	3 Conductor #14 AWG, Stranded, Type TC Control Cable	1,634.45	691.08
		For Work In Restricted Working Space, Add	*345.54*	
26 05 19 16-0477	MLF	4 Conductor #14 AWG, Stranded, Type TC Control Cable	1,914.72	789.90
		For Work In Restricted Working Space, Add	*394.95*	
26 05 19 16-0478	MLF	5 Conductor #14 AWG, Stranded, Type TC Control Cable	2,152.04	850.72
		For Work In Restricted Working Space, Add	*425.36*	
26 05 19 16-0479	MLF	7 Conductor #14 AWG, Stranded, Type TC Control Cable	2,859.72	1,042.84
		For Work In Restricted Working Space, Add	*521.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0480	MLF	9 Conductor #14 AWG, Stranded, Type TC Control Cable	3,293.24	1,151.79
		For Work In Restricted Working Space, Add	*576.01*	
26 05 19 16-0481	MLF	12 Conductor #14 AWG, Stranded, Type TC Control Cable	4,032.18	1,285.40
		For Work In Restricted Working Space, Add	*642.70*	
26 05 19 16-0482	MLF	15 Conductor #14 AWG, Stranded, Type TC Control Cable	4,816.23	1,535.34
		For Work In Restricted Working Space, Add	*767.79*	
26 05 19 16-0483	MLF	19 Conductor #14 AWG, Stranded, Type TC Control Cable	8,084.88	1,784.13
		For Work In Restricted Working Space, Add	*891.83*	
26 05 19 16-0484	MLF	25 Conductor #14 AWG, Stranded, Type TC Control Cable	7,202.57	2,085.90
		For Work In Restricted Working Space, Add	*1,043.18*	
26 05 19 16-0485	MLF	30 Conductor #14 AWG, Stranded, Type TC Control Cable	8,365.57	2,331.00
		For Work In Restricted Working Space, Add	*1,165.50*	
26 05 19 16-0486	MLF	37 Conductor #14 AWG, Stranded, Type TC Control Cable	10,072.59	2,724.22
		For Work In Restricted Working Space, Add	*1,362.11*	
26 05 19 16-0487	MLF	2 Conductor #12 AWG, Stranded, Type TC Control Cable	1,592.76	657.91
		For Work In Restricted Working Space, Add	*328.95*	
26 05 19 16-0488	MLF	3 Conductor #12 AWG, Stranded, Type TC Control Cable	1,899.44	727.94
		For Work In Restricted Working Space, Add	*363.85*	
26 05 19 16-0489	MLF	4 Conductor #12 AWG, Stranded, Type TC Control Cable	2,306.91	837.59
		For Work In Restricted Working Space, Add	*418.79*	
26 05 19 16-0490	MLF	5 Conductor #12 AWG, Stranded, Type TC Control Cable	2,607.49	891.49
		For Work In Restricted Working Space, Add	*445.75*	
26 05 19 16-0491	MLF	7 Conductor #12 AWG, Stranded, Type TC Control Cable	3,430.18	1,062.88
		For Work In Restricted Working Space, Add	*531.44*	
26 05 19 16-0492	MLF	9 Conductor #12 AWG, Stranded, Type TC Control Cable	4,228.53	1,256.38
		For Work In Restricted Working Space, Add	*628.19*	
26 05 19 16-0493	MLF	12 Conductor #12 AWG, Stranded, Type TC Control Cable	5,135.91	1,417.40
		For Work In Restricted Working Space, Add	*708.70*	
26 05 19 16-0494	MLF	15 Conductor #12 AWG, Stranded, Type TC Control Cable	6,109.18	1,626.10
		For Work In Restricted Working Space, Add	*813.05*	
26 05 19 16-0495	MLF	19 Conductor #12 AWG, Stranded, Type TC Control Cable	7,218.62	1,843.10
		For Work In Restricted Working Space, Add	*921.55*	
26 05 19 16-0496	MLF	25 Conductor #12 AWG, Stranded, Type TC Control Cable	9,232.49	2,154.09
		For Work In Restricted Working Space, Add	*1,077.05*	
26 05 19 16-0497	MLF	30 Conductor #12 AWG, Stranded, Type TC Control Cable	10,692.79	2,517.60
		For Work In Restricted Working Space, Add	*1,258.79*	
26 05 19 16-0498	MLF	37 Conductor #12 AWG, Stranded, Type TC Control Cable	12,926.05	2,942.60
		For Work In Restricted Working Space, Add	*1,471.30*	
26 05 19 16-0499	MLF	2 Conductor #10 AWG, Stranded, Type TC Control Cable	1,892.77	691.08
		For Work In Restricted Working Space, Add	*345.54*	
26 05 19 16-0500	MLF	3 Conductor #10 AWG, Stranded, Type TC Control Cable	2,356.84	757.88
		For Work In Restricted Working Space, Add	*378.71*	
26 05 19 16-0501	MLF	4 Conductor #10 AWG, Stranded, Type TC Control Cable	2,867.33	863.85
		For Work In Restricted Working Space, Add	*431.93*	
26 05 19 16-0502	MLF	5 Conductor #10 AWG, Stranded, Type TC Control Cable	3,329.31	937.10
		For Work In Restricted Working Space, Add	*468.55*	
26 05 19 16-0503	MLF	7 Conductor #10 AWG, Stranded, Type TC Control Cable	4,502.81	1,176.21
		For Work In Restricted Working Space, Add	*588.11*	
26 05 19 16-0504	MLF	9 Conductor #10 AWG, Stranded, Type TC Control Cable	5,334.85	1,316.50
		For Work In Restricted Working Space, Add	*658.25*	
26 05 19 16-0505	MLF	12 Conductor #10 AWG, Stranded, Type TC Control Cable	6,216.61	1,535.57
		For Work In Restricted Working Space, Add	*767.79*	
26 05 19 16-0506	MLF	15 Conductor #10 AWG, Stranded, Type TC Control Cable	7,345.41	1,756.03
		For Work In Restricted Working Space, Add	*878.01*	
26 05 19 16-0507	MLF	19 Conductor #10 AWG, Stranded, Type TC Control Cable	8,707.98	1,990.30
		For Work In Restricted Working Space, Add	*995.15*	
26 05 19 16-0508	MLF	25 Conductor #10 AWG, Stranded, Type TC Control Cable	11,211.99	2,326.17
		For Work In Restricted Working Space, Add	*1,163.09*	
26 05 19 16-0509	MLF	30 Conductor #10 AWG, Stranded, Type TC Control Cable	12,977.02	2,718.70
		For Work In Restricted Working Space, Add	*1,359.35*	
26 05 19 16-0510	MLF	37 Conductor #10 AWG, Stranded, Type TC Control Cable	15,725.32	3,178.26
		For Work In Restricted Working Space, Add	*1,589.13*	

26 05 19 16-0511 Multi-Conductor Cords, Cables And Associated Equipment *(26 05 19 16-0011)*

26 05 19 16-0512 Multi-Conductor Cords *(26 05 19 16-0511)*

Note: Includes installation in cable tray, surface mounting or installation between junction boxes. Excludes strain relief devices, plugs and connector bodies.

26 05 19 16-0513 Multi-Conductor Type SOOW And SJOOW Cord *(26 05 19 16-0512)*

Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation.

26 05 19 16-0514 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0513)*

26 05 19 16-0515 #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0514)*

26 05 19 16-0516	LF	2 Conductors, #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.12	0.50
26 05 19 16-0517	LF	3 Conductors, #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.16	0.50
26 05 19 16-0518	LF	4 Conductors, #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.26	0.50

26 05 19 16-0519 #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0514)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0520	LF	2 Conductors, #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.31	0.50
26 05 19 16-0521	LF	3 Conductors, #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.37	0.50
26 05 19 16-0522	LF	4 Conductors, #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.45	0.50
26 05 19 16-0523		#14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0514)*		
26 05 19 16-0524	LF	2 Conductors, #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.42	0.50
26 05 19 16-0525	LF	3 Conductors, #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.52	0.50
26 05 19 16-0526	LF	4 Conductors, #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.70	0.50
26 05 19 16-0527		#12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0514)*		
26 05 19 16-0528	LF	2 Conductors, #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.58	0.50
26 05 19 16-0529	LF	3 Conductors, #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.69	0.50
26 05 19 16-0530	LF	4 Conductors, #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.85	0.50
26 05 19 16-0531		#10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0514)*		
26 05 19 16-0532	LF	2 Conductors, #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.96	0.63
26 05 19 16-0533	LF	3 Conductors, #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	2.04	0.63
26 05 19 16-0534	LF	4 Conductors, #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	2.16	0.63
26 05 19 16-0535		600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0513)*		
26 05 19 16-0536		#18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0535)*		
26 05 19 16-0537	LF	2 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.16	0.50
26 05 19 16-0538	LF	3 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.23	0.50
26 05 19 16-0539	LF	4 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.32	0.50
26 05 19 16-0540	LF	5 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.12	0.68
26 05 19 16-0541	LF	6 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.28	0.70
26 05 19 16-0542	LF	7 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.42	0.72
26 05 19 16-0543	LF	8 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.62	0.74
26 05 19 16-0544	LF	10 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.96	0.77
26 05 19 16-0545	LF	12 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.32	0.79
26 05 19 16-0546	LF	14 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.23	0.81
26 05 19 16-0547	LF	16 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.31	0.83
26 05 19 16-0548	LF	18 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.43	0.85
26 05 19 16-0549	LF	20 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.88	0.87
26 05 19 16-0550	LF	24 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.02	0.89
26 05 19 16-0551	LF	30 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.29	0.94
26 05 19 16-0552		#16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0535)*		
26 05 19 16-0553	LF	2 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.37	0.50
26 05 19 16-0554	LF	3 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.43	0.50
26 05 19 16-0555	LF	4 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.54	0.50
26 05 19 16-0556	LF	5 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.19	0.68
26 05 19 16-0557	LF	6 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.38	0.70
26 05 19 16-0558	LF	7 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.58	0.72
26 05 19 16-0559	LF	8 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.82	0.74
26 05 19 16-0560	LF	9 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.93	0.75
26 05 19 16-0561	LF	10 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.21	0.77
26 05 19 16-0562	LF	12 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.68	0.79
26 05 19 16-0563	LF	14 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.92	0.81
26 05 19 16-0564	LF	16 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.37	0.83
26 05 19 16-0565	LF	18 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.99	0.85
26 05 19 16-0566	LF	20 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.54	0.87
26 05 19 16-0567	LF	24 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.59	0.89
26 05 19 16-0568	LF	26 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.20	0.91

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0569	LF	30 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	8.31	0.94
26 05 19 16-0570		**#14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord** *(26 05 19 16-0535)*		
26 05 19 16-0571	LF	2 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.53	0.50
26 05 19 16-0572	LF	3 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.60	0.50
26 05 19 16-0573	LF	4 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.77	0.50
26 05 19 16-0574	LF	5 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.72	0.68
26 05 19 16-0575	LF	6 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.18	0.70
26 05 19 16-0576	LF	7 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.36	0.72
26 05 19 16-0577	LF	8 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.73	0.74
26 05 19 16-0578	LF	9 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.99	0.75
26 05 19 16-0579	LF	10 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.41	0.77
26 05 19 16-0580	LF	12 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.81	0.79
26 05 19 16-0581	LF	14 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.27	0.81
26 05 19 16-0582	LF	16 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.24	0.83
26 05 19 16-0583	LF	20 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.97	0.87
26 05 19 16-0584	LF	24 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	8.13	0.89
26 05 19 16-0585	LF	30 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	9.55	0.94
26 05 19 16-0586		**#12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord** *(26 05 19 16-0535)*		
26 05 19 16-0587	LF	2 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.70	0.50
26 05 19 16-0588	LF	3 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.83	0.50
26 05 19 16-0589	LF	4 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.95	0.50
26 05 19 16-0590	LF	5 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.05	0.68
26 05 19 16-0591	LF	6 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.48	0.70
26 05 19 16-0592	LF	7 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.93	0.72
26 05 19 16-0593	LF	8 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.40	0.74
26 05 19 16-0594	LF	9 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.74	0.75
26 05 19 16-0595	LF	10 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.32	0.77
26 05 19 16-0596	LF	12 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.00	0.79
26 05 19 16-0597	LF	14 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.63	0.81
26 05 19 16-0598	LF	16 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.26	0.83
26 05 19 16-0599	LF	18 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.58	0.85
26 05 19 16-0600	LF	20 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	8.67	0.87
26 05 19 16-0601	LF	24 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	9.78	0.89
26 05 19 16-0602	LF	26 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	10.90	0.91
26 05 19 16-0603	LF	28 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	11.26	0.92
26 05 19 16-0604	LF	30 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	11.66	0.94
26 05 19 16-0605		**#10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord** *(26 05 19 16-0535)*		
26 05 19 16-0606	LF	2 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.93	0.63
26 05 19 16-0607	LF	3 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	2.04	0.63
26 05 19 16-0608	LF	4 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	2.15	0.63
26 05 19 16-0609	LF	5 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.70	0.68
26 05 19 16-0610	LF	6 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.16	0.70
26 05 19 16-0611	LF	7 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.83	0.72
26 05 19 16-0612	LF	10 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.13	0.77
26 05 19 16-0613	LF	12 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.96	0.79
26 05 19 16-0614	LF	16 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	8.76	0.83
26 05 19 16-0615	LF	20 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	12.54	0.87
26 05 19 16-0616		**#8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord** *(26 05 19 16-0535)*		
26 05 19 16-0617	LF	3 Conductors, #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	3.61	0.75
26 05 19 16-0618	LF	4 Conductors, #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	3.90	0.88

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0619	LF	5 Conductors, #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	5.13	0.88
26 05 19 16-0620		**#6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord** *(26 05 19 16-0535)*		
26 05 19 16-0621	LF	3 Conductors, #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	4.98	0.88
26 05 19 16-0622	LF	4 Conductors, #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	5.99	1.01
26 05 19 16-0623	LF	5 Conductors, #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	7.19	1.26
26 05 19 16-0624		**#4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord** *(26 05 19 16-0535)*		
26 05 19 16-0625	LF	3 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	7.82	1.26
26 05 19 16-0626	LF	4 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	8.54	1.38
26 05 19 16-0627	LF	5 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	10.21	1.51
26 05 19 16-0628		**#2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord** *(26 05 19 16-0535)*		
26 05 19 16-0629	LF	3 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	12.22	2.53
26 05 19 16-0630	LF	4 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	15.51	3.15
26 05 19 16-0631	LF	5 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	19.08	4.16
26 05 19 16-0632		**300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord** *(26 05 19 16-0513)*		
26 05 19 16-0633		**#18 AWG, 300 Volt, Multi-Conductor Type SJOOW Cord** *(26 05 19 16-0632)*		
26 05 19 16-0634	LF	2 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.46	0.50
26 05 19 16-0635	LF	3 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.56	0.50
26 05 19 16-0636	LF	4 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.76	0.50
26 05 19 16-0637		**#16 AWG, 300 Volt, Multi-Conductor Type SJOOW Cord** *(26 05 19 16-0632)*		
26 05 19 16-0638	LF	2 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.52	0.50
26 05 19 16-0639	LF	3 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.69	0.50
26 05 19 16-0640	LF	4 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.77	0.50
26 05 19 16-0641		**#14 AWG, 300 Volt, Multi-Conductor Type SJOOW Cord** *(26 05 19 16-0632)*		
26 05 19 16-0642	LF	2 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.94	0.50
26 05 19 16-0643	LF	3 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	2.63	0.50
26 05 19 16-0644	LF	4 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	3.28	0.63
26 05 19 16-0645		**600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord** *(26 05 19 16-0513)*		
26 05 19 16-0646		**#18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord** *(26 05 19 16-0645)*		
26 05 19 16-0647	LF	2 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	1.89	0.50
26 05 19 16-0648	LF	3 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.18	0.50
26 05 19 16-0649	LF	4 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.48	0.50
26 05 19 16-0650		**#16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord** *(26 05 19 16-0645)*		
26 05 19 16-0651	LF	2 Conductors, #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	1.99	0.50
26 05 19 16-0652	LF	3 Conductors, #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.29	0.50
26 05 19 16-0653	LF	4 Conductors, #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.75	0.50
26 05 19 16-0654	LF	5 Conductors, #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.98	0.63
26 05 19 16-0655		**#14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord** *(26 05 19 16-0645)*		
26 05 19 16-0656	LF	3 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.36	0.50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0657	LF	4 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.74	0.50
26 05 19 16-0658	LF	5 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.04	0.63
26 05 19 16-0659		#12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0645)*		
26 05 19 16-0660	LF	3 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.71	0.50
26 05 19 16-0661	LF	4 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.05	0.50
26 05 19 16-0662	LF	5 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.39	0.63
26 05 19 16-0663		#10 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0645)*		
26 05 19 16-0664	LF	3 Conductors, #10 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.08	0.63
26 05 19 16-0665	LF	4 Conductors, #10 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.38	0.63
26 05 19 16-0666	LF	5 Conductors, #10 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.71	0.63
26 05 19 16-0667		Multi-Conductor Type SEOW Cord *(26 05 19 16-0512)* Note: Includes thermoplastic elastomeric (TPE) insulation.		
26 05 19 16-0668		600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord *(26 05 19 16-0667)*		
26 05 19 16-0669		#16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord *(26 05 19 16-0668)*		
26 05 19 16-0670	LF	3 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	1.53	0.50
26 05 19 16-0671	LF	4 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	1.65	0.50
26 05 19 16-0672	LF	5 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.32	0.63
26 05 19 16-0673		#14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord *(26 05 19 16-0668)*		
26 05 19 16-0674	LF	3 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	1.88	0.50
26 05 19 16-0675	LF	4 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.10	0.50
26 05 19 16-0676	LF	5 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.87	0.63
26 05 19 16-0677		#12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord *(26 05 19 16-0668)*		
26 05 19 16-0678	LF	3 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.24	0.50
26 05 19 16-0679	LF	4 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.53	0.50
26 05 19 16-0680	LF	5 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	3.10	0.63
26 05 19 16-0681		#10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord *(26 05 19 16-0668)*		
26 05 19 16-0682	LF	3 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.76	0.63
26 05 19 16-0683	LF	4 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	3.10	0.63
26 05 19 16-0684	LF	5 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	3.32	0.63
26 05 19 16-0685		Multi-Conductor Type W Cord *(26 05 19 16-0512)* Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation.		
26 05 19 16-0686		2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord *(26 05 19 16-0685)*		
26 05 19 16-0687		#8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord *(26 05 19 16-0686)*		
26 05 19 16-0688	LF	3 Conductors, #8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	3.90	0.75
26 05 19 16-0689	LF	4 Conductors, #8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	4.17	0.88
26 05 19 16-0690	LF	5 Conductors, #8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	4.86	0.88
26 05 19 16-0691		#6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord *(26 05 19 16-0686)*		
26 05 19 16-0692	LF	3 Conductors, #6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	4.21	0.88
26 05 19 16-0693	LF	4 Conductors, #6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	5.00	1.01
26 05 19 16-0694	LF	5 Conductors, #6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	6.19	1.26
26 05 19 16-0695		#4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord *(26 05 19 16-0686)*		
26 05 19 16-0696	LF	3 Conductors, #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	5.47	0.88
26 05 19 16-0697	LF	4 Conductors, #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	6.46	1.01
26 05 19 16-0698	LF	5 Conductors, #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	8.23	1.26

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0699		Cord Grips, Cable Reels, Extension Cords, And Accessories *(26 05 19 16-0511)*		
26 05 19 16-0700		Cord Grips *(26 05 19 16-0699)*		
26 05 19 16-0701	EA	Cord Grip With Watertight Connector For 1/2" NPT Zinc Plated Steel	80.18	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.92*	
26 05 19 16-0702	EA	Cord Grip With Watertight Connector For 3/4" NPT Zinc Plated Steel	80.60	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.92*	
26 05 19 16-0703		Cable Reels *(26 05 19 16-0699)*		
		Note: Includes handling, mounting, electrical connections and installing cord. See CSI section 26 05 19 16-0511 for cords.		
26 05 19 16-0704	EA	30', 16-3, SJO, Extension Cord Reel (Cox Reels PC10-3016-A)	675.04	63.03
26 05 19 16-0705	EA	50', 10-4, SEOOW, Extension Cord Reel (Reelcraft L 7050 104 X 1)	1,854.55	63.03
26 05 19 16-0706	EA	50', 16-3, SOOW, Extension Cord Reel (KH Industries RTFD3L-WW-B16K)	1,388.30	63.03
26 05 19 16-0707		Extension Cords For Cable Reel *(26 05 19 16-0699)*		
26 05 19 16-0708	EA	100 LF, 120 Volt, 12 Gauge, 3 Wire, Extension Cord	212.68	
26 05 19 16-0709	EA	100 LF, 240 Volt, 10 Gauge, 3 Wire, Extension Cord	302.77	
26 05 19 16-0710		Plugs And Connector Bodies *(26 05 19 16-0699)*		
		Note: Up to 277 volt		
26 05 19 16-0711		NEMA Twist-Lock Plugs *(26 05 19 16-0710)*		
26 05 19 16-0712	EA	15 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Plug (Hubbell HBL7545C)	83.08	
26 05 19 16-0713	EA	15 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL4770CBK)	84.63	
26 05 19 16-0714	EA	20 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Plug (Hubbell HBL7102C)	78.13	
26 05 19 16-0715	EA	20 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL2331)	82.89	
26 05 19 16-0716	EA	20 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2411)	105.19	
26 05 19 16-0717	EA	20 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2441)	111.24	
26 05 19 16-0718	EA	20 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Plug (Hubbell HBL2511BK)	117.15	
26 05 19 16-0719	EA	30 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL2611BK)	106.09	
26 05 19 16-0720	EA	30 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2711BK)	120.62	
26 05 19 16-0721	EA	30 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2761)	123.45	
26 05 19 16-0722	EA	30 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Plug (Hubbell HBL2811BK)	127.05	
26 05 19 16-0723		NEMA Twist-Lock Connector Bodies *(26 05 19 16-0710)*		
26 05 19 16-0724	EA	15 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL7506C)	87.45	
26 05 19 16-0725	EA	15 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL4779C)	92.92	
26 05 19 16-0726	EA	20 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL7101C)	81.41	
26 05 19 16-0727	EA	20 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2323BK)	106.09	
26 05 19 16-0728	EA	20 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2413BK)	122.03	
26 05 19 16-0729	EA	20 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2443)	129.75	
26 05 19 16-0730	EA	20 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2513BK)	155.71	
26 05 19 16-0731	EA	30 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2623BK)	149.16	
26 05 19 16-0732	EA	30 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2713BK)	181.68	
26 05 19 16-0733	EA	30 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2753)	190.29	
26 05 19 16-0734	EA	30 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2813BK)	180.91	
26 05 19 16-0735		Watertight Pin And Sleeve Plug *(26 05 19 16-0710)*		
26 05 19 16-0736	EA	20 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P4W)	284.83	37.82
26 05 19 16-0737	EA	20 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P6W)	287.86	37.82
26 05 19 16-0738	EA	20 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P7W)	311.42	37.82
26 05 19 16-0739	EA	20 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P12W)	311.89	41.60
26 05 19 16-0740	EA	20 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P9W)	307.32	41.60
26 05 19 16-0741	EA	20 Amperes, Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P7W)	308.68	41.60
26 05 19 16-0742	EA	30 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P4W)	434.62	46.52
26 05 19 16-0743	EA	30 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P6W)	423.24	46.52
26 05 19 16-0744	EA	30 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P7W)	472.12	46.52
26 05 19 16-0745	EA	30 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P12W)	463.79	51.06
26 05 19 16-0746	EA	30 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P9W)	444.03	51.06
26 05 19 16-0747	EA	30 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P7W)	457.62	51.06
26 05 19 16-0748	EA	60 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P4W)	590.56	60.51
26 05 19 16-0749	EA	60 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P6W)	601.40	60.51
26 05 19 16-0750	EA	60 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P7W)	575.70	60.51
26 05 19 16-0751	EA	60 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P12W)	655.64	67.32
26 05 19 16-0752	EA	60 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P9W)	638.78	67.32
26 05 19 16-0753	EA	60 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P7W)	646.07	67.32
26 05 19 16-0754	EA	100 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 3100P6W)	810.53	75.64
26 05 19 16-0755	EA	100 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 3100P7W)	852.39	75.64
26 05 19 16-0756	EA	100 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P12W)	830.93	83.21
26 05 19 16-0757	EA	100 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P9W)	816.63	83.21
26 05 19 16-0758	EA	100 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P7W)	824.35	83.21
26 05 19 16-0759		Watertight Pin And Sleeve Connector *(26 05 19 16-0710)*		

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0760		EA	20 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C4W)	302.28	37.82
26 05 19 16-0761		EA	20 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C6W)	304.38	37.82
26 05 19 16-0762		EA	20 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C7W)	358.63	37.82
26 05 19 16-0763		EA	20 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C12W)	355.85	41.60
26 05 19 16-0764		EA	20 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C9W)	350.34	41.60
26 05 19 16-0765		EA	20 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C7W)	355.32	41.60
26 05 19 16-0766		EA	30 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C4W)	445.04	46.52
26 05 19 16-0767		EA	30 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C6W)	444.93	46.52
26 05 19 16-0768		EA	30 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C7W)	463.64	46.52
26 05 19 16-0769		EA	30 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C12W)	458.71	51.06
26 05 19 16-0770		EA	30 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C9W)	462.57	51.06
26 05 19 16-0771		EA	30 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C7W)	458.50	51.06
26 05 19 16-0772		EA	60 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C4W)	697.49	60.51
26 05 19 16-0773		EA	60 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C6W)	674.58	60.51
26 05 19 16-0774		EA	60 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C7W)	660.92	60.51
26 05 19 16-0775		EA	60 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C12W)	719.29	67.32
26 05 19 16-0776		EA	60 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C9W)	739.21	67.32
26 05 19 16-0777		EA	60 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C7W)	740.67	67.32
26 05 19 16-0778		EA	100 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 3100C6W)	927.82	75.64
26 05 19 16-0779		EA	100 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 3100C7W)	954.10	75.64
26 05 19 16-0780		EA	100 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C12W)	1,030.97	83.21
26 05 19 16-0781		EA	100 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C9W)	994.87	83.21
26 05 19 16-0782		EA	100 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C7W)	1,007.18	83.21

26 05 19 16-0783 Accessories *(26 05 19 16-0699)*

26 05 19 16-0784		EA	1/2" Straight Steel Cord Connector	64.63	12.61
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.56*	
26 05 19 16-0785		EA	1/2" Straight Nylon Cord Connector	38.62	9.46
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.67*	
26 05 19 16-0786		EA	1/2" 90 Degree Steel Cord Connector	73.88	15.75
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.46*	
26 05 19 16-0787		EA	1/2" 90 Degree Nylon Cord Connector	46.39	12.61
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.56*	
26 05 19 16-0788		EA	1/2" Straight Steel Cord Connector With Strain Relief Mesh	72.91	15.75
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.46*	
26 05 19 16-0789		EA	1/2" 90 Degree Steel Cord Connector With Strain Relief Mesh	126.78	18.91
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.35*	
26 05 19 16-0790		EA	1/2" Straight Nylon Cord Connector With Strain Relief Mesh	45.63	12.61
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.56*	
26 05 19 16-0791		EA	1/2" 90 Degree Nylon Cord Connector With Strain Relief Mesh	77.47	15.75
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.46*	
26 05 19 16-0792		EA	3/4" Straight Steel Cord Connector	67.40	12.61
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.56*	
26 05 19 16-0793		EA	3/4" Straight Nylon Cord Connector	40.00	9.46
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.67*	
26 05 19 16-0794		EA	3/4" 90 Degree Steel Cord Connector	82.55	15.75
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.46*	
26 05 19 16-0795		EA	3/4" 90 Degree Nylon Cord Connector	50.72	12.61
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.56*	
26 05 19 16-0796		EA	3/4" Straight Steel Cord Connector With Strain Relief Mesh	82.12	18.91
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.35*	
26 05 19 16-0797		EA	3/4" 90 Degree Steel Cord Connector With Strain Relief Mesh	97.70	22.06
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.24*	
26 05 19 16-0798		EA	3/4" Straight Nylon Cord Connector With Strain Relief Mesh	54.86	15.75
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.46*	
26 05 19 16-0799		EA	3/4" 90 Degree Nylon Cord Connector With Strain Relief Mesh	66.27	18.91
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.35*	
26 05 19 16-0800		EA	1" Straight Steel Cord Connector	85.20	12.61
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.56*	
26 05 19 16-0801		EA	1" Straight Nylon Cord Connector	48.90	9.46
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.67*	
26 05 19 16-0802		EA	1" 90 Degree Steel Cord Connector	94.31	15.75
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.46*	
26 05 19 16-0803		EA	1" 90 Degree Nylon Cord Connector	56.60	12.61
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.56*	
26 05 19 16-0804		EA	1" Straight Steel Cord Connector With Strain Relief Mesh	100.81	18.91
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.35*	
26 05 19 16-0805		EA	1" 90 Degree Steel Cord Connector With Strain Relief Mesh	110.04	22.06
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.24*	
26 05 19 16-0806		EA	1" Straight Nylon Cord Connector With Strain Relief Mesh	64.34	15.75
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.46*	
26 05 19 16-0807		EA	1" 90 Degree Nylon Cord Connector With Strain Relief Mesh	74.29	18.91
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.35*	

26 05 19 16-0808 ACSR (Aluminum Conductor Steel Reinforced) *(26 05 19 16-0011)*

Note: Concentric lay stranded Class A galvanizing installed on poles, aerially.

26 05 19 16-0809 ACSR Cable *(26 05 19 16-0808)*

26 05 19 16-0810		MLF	#4 AWG, ACSR Cable Swan 6/1, Aluminum Cable, Installed On Poles (Aerial)	1,861.32	570.69
26 05 19 16-0811		MLF	#4 AWG, ACSR Cable Swanate 7/1, Aluminum Cable, Installed On Poles (Aerial)	1,992.61	592.58
26 05 19 16-0812		MLF	#2 AWG, ACSR Cable Sparrow 6/1, Aluminum Cable, Installed On Poles (Aerial)	2,180.10	615.39

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0813	MLF	#2 AWG, ACSR Cable Sparate 7/1, Aluminum Cable, Installed On Poles (Aerial)	2,311.72	637.68
26 05 19 16-0814	MLF	1/0 AWG, ACSR Cable Raven 6/1, Aluminum Cable, Installed On Poles (Aerial)	2,631.60	659.29
26 05 19 16-0815	MLF	2/0 AWG, ACSR Cable Quail 6/1, Aluminum Cable, Installed On Poles (Aerial)	3,089.17	747.38
26 05 19 16-0816	MLF	3/0 AWG, ACSR Cable Pigeon 6/1, Aluminum Cable, Installed On Poles (Aerial)	3,607.18	833.49
26 05 19 16-0817	MLF	4/0 AWG, ACSR Cable Penguin 6/1, Aluminum Cable, Installed On Poles (Aerial)	4,190.60	920.77
26 05 19 16-0818	MLF	336 AWG ACSR Cable Merlin 18/1, Aluminum Cable, Installed On Poles (Aerial)	4,793.14	1,183.31
26 05 19 16-0819	MLF	477 AWG, ACSR Cable Hawk 26/1, Aluminum Cable, Installed On Poles (Aerial)	5,439.52	1,357.36
26 05 19 16-0820		All Aluminum Conductors *(26 05 19 16-0808)*		
26 05 19 16-0821	MLF	795.0 ACSR Conductor Aluminum	36,932.19	11,150.80
26 05 19 16-0822		Single Conductor Installed On Poles *(26 05 19 16-0011)*		
26 05 19 16-0823		Bare Stranded Conductor *(26 05 19 16-0822)*		
26 05 19 16-0824	MLF	#12 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	1,427.52	483.53
26 05 19 16-0825	MLF	#10 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	1,664.21	527.04
26 05 19 16-0826	MLF	#8 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	1,902.30	571.08
26 05 19 16-0827	MLF	#6 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	2,312.72	615.39
26 05 19 16-0828	MLF	#4 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	2,793.40	659.82
26 05 19 16-0829	MLF	#2 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	3,968.31	791.42
26 05 19 16-0830	MLF	#1 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	4,553.78	879.11
26 05 19 16-0831	MLF	1/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	5,188.60	965.21
26 05 19 16-0832	MLF	2/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	6,926.92	1,144.81
26 05 19 16-0833	MLF	3/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	8,390.35	1,316.22
26 05 19 16-0834	MLF	4/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	9,022.26	1,491.73
26 05 19 16-0835	MLF	250 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	11,392.94	1,758.08
26 05 19 16-0836	MLF	300 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	11,665.22	1,850.65
26 05 19 16-0837	MLF	350 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	14,485.51	1,938.08
26 05 19 16-0838	MLF	400 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	15,981.64	2,017.58
26 05 19 16-0839	MLF	500 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	18,578.98	2,103.69
26 05 19 16-0840		Insulated Stranded Conductor *(26 05 19 16-0822)*		
26 05 19 16-0841	MLF	#12 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	1,535.12	483.53
26 05 19 16-0842	MLF	#10 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	1,803.05	527.04
26 05 19 16-0843	MLF	#8 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	2,176.38	571.08
26 05 19 16-0844	MLF	#6 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	2,364.60	615.39
26 05 19 16-0845	MLF	#4 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	2,872.55	659.82
26 05 19 16-0846	MLF	#2 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	3,854.00	791.42
26 05 19 16-0847	MLF	#1 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	4,542.37	879.11
26 05 19 16-0848	MLF	1/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	5,347.76	965.21
26 05 19 16-0849	MLF	2/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	6,438.15	1,144.81
26 05 19 16-0850	MLF	3/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	7,709.06	1,316.22
26 05 19 16-0851	MLF	4/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	9,075.41	1,491.73
26 05 19 16-0852	MLF	250 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	11,067.75	1,758.08
26 05 19 16-0853	MLF	300 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	12,525.99	1,850.65
26 05 19 16-0854	MLF	350 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	13,717.67	1,938.08
26 05 19 16-0855	MLF	400 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	15,345.00	2,017.58
26 05 19 16-0856	MLF	500 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	17,224.87	2,103.69
26 05 19 16-0857		Bare Solid Conductor *(26 05 19 16-0822)*		
26 05 19 16-0858	MLF	#12 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles	1,427.52	483.53
26 05 19 16-0859	MLF	#8 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles	1,902.30	571.08
26 05 19 16-0860	MLF	#6 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles	2,312.72	615.39
26 05 19 16-0861	MLF	#4 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles	2,760.69	659.82

26 05 23 Control-Voltage Electrical Power Cables *(26 05)*

26 05 23 00-0001 Cable For HVAC System Controls *(26 05 23)*

26 05 23 00-0002 Low Voltage Thermostat Cable To 300 Volt *(26 05 23 00-0001)*

Note: For surface or conduit installation.

26 05 23 00-0003	MLF	#20/2 Conductor, Low Volt Thermostat Cable	479.94	146.86
26 05 23 00-0004	MLF	#20/3 Conductor, Low Volt Thermostat Cable	543.23	154.69
26 05 23 00-0005	MLF	#20/4 Conductor, Low Volt Thermostat Cable	587.27	163.56
26 05 23 00-0006	MLF	#20/5 Conductor, Low Volt Thermostat Cable	693.94	170.47
26 05 23 00-0007	MLF	#20/6 Conductor, Low Volt Thermostat Cable	726.51	178.53
26 05 23 00-0008	MLF	#20/7 Conductor, Low Volt Thermostat Cable	796.49	185.95
26 05 23 00-0009	MLF	#20/8 Conductor, Low Volt Thermostat Cable	857.70	193.38
26 05 23 00-0010	MLF	#20/9 Conductor, Low Volt Thermostat Cable	927.99	201.10
26 05 23 00-0011	MLF	#20/10 Conductor, Low Volt Thermostat Cable	995.02	207.14
26 05 23 00-0012	MLF	#18/2 Conductor, Low Volt Thermostat Cable	516.63	146.86
26 05 23 00-0013	MLF	#18/3 Conductor, Low Volt Thermostat Cable	608.69	154.69
26 05 23 00-0014	MLF	#18/4 Conductor, Low Volt Thermostat Cable	691.13	163.56
26 05 23 00-0015	MLF	#18/5 Conductor, Low Volt Thermostat Cable	736.81	170.47
26 05 23 00-0016	MLF	#18/6 Conductor, Low Volt Thermostat Cable	812.63	178.53
26 05 23 00-0017	MLF	#18/7 Conductor, Low Volt Thermostat Cable	836.03	185.95

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 23 00-0018	MLF	#18/8 Conductor, Low Volt Thermostat Cable	918.04	193.38
26 05 23 00-0019	MLF	#18/9 Conductor, Low Volt Thermostat Cable	1,072.78	201.10
26 05 23 00-0020	MLF	#18/10 Conductor, Low Volt Thermostat Cable	1,173.60	207.14

26 05 26 Grounding and Bonding for Electrical Systems *(26 05)*

26 05 26 00-0001 Conductors, Straps And Conduit Jumpers *(26 05 26)*

26 05 26 00-0002 Single Conductor *(26 05 26 00-0001)*

26 05 26 00-0003 Copper Bare Stranded Conductors *(26 05 26 00-0002)*

26 05 26 00-0004	MLF	12 AWG Copper Bare Single Stranded Conductor	643.36	241.70
26 05 26 00-0005	MLF	10 AWG Copper Bare Single Stranded Conductor	847.59	241.70
26 05 26 00-0006	MLF	8 AWG Copper Bare Single Stranded Conductor	1,052.79	291.15
26 05 26 00-0007	MLF	6 AWG Copper Bare Single Stranded Conductor	1,442.95	291.15
26 05 26 00-0008	MLF	4 AWG Copper Bare Single Stranded Conductor	1,933.02	351.57
26 05 26 00-0009	MLF	2 AWG Copper Bare Single Stranded Conductor	3,032.78	351.57
26 05 26 00-0010	MLF	1 AWG Copper Bare Single Stranded Conductor	3,508.08	422.98
26 05 26 00-0011	MLF	1/0 AWG Copper Bare Single Stranded Conductor	4,114.34	422.98
26 05 26 00-0012	MLF	2/0 AWG Copper Bare Single Stranded Conductor	5,758.82	532.85
26 05 26 00-0013	MLF	3/0 AWG Copper Bare Single Stranded Conductor	7,096.50	532.85
26 05 26 00-0014	MLF	4/0 AWG Copper Bare Single Stranded Conductor	7,533.06	708.64
26 05 26 00-0015	MLF	250 MCM Copper Bare Single Stranded Conductor	9,666.05	708.64
26 05 26 00-0016	MLF	300 MCM Copper Bare Single Stranded Conductor	9,700.20	818.50
26 05 26 00-0017	MLF	350 MCM Copper Bare Single Stranded Conductor	13,060.18	818.50
26 05 26 00-0018	MLF	500 MCM Copper Bare Single Stranded Conductor	17,820.18	1,010.77

26 05 26 00-0019 Copper Insulated Single Stranded Conductors *(26 05 26 00-0002)*

26 05 26 00-0020	MLF	12 AWG Copper Insulated Single Stranded Conductor	1,199.00	329.60
26 05 26 00-0021	MLF	10 AWG Copper Insulated Single Stranded Conductor	1,278.39	329.60
26 05 26 00-0022	MLF	8 AWG Copper Insulated Single Stranded Conductor	1,638.01	329.60
26 05 26 00-0023	MLF	6 AWG Copper Insulated Single Stranded Conductor	1,860.26	571.30
26 05 26 00-0024	MLF	4 AWG Copper Insulated Single Stranded Conductor	2,514.59	571.30
26 05 26 00-0025	MLF	2 AWG Copper Insulated Single Stranded Conductor	3,550.92	571.30
26 05 26 00-0026	MLF	1 AWG Copper Insulated Single Stranded Conductor	4,292.15	999.78
26 05 26 00-0027	MLF	1/0 AWG Copper Insulated Single Stranded Conductor	5,236.91	999.78
26 05 26 00-0028	MLF	2/0 AWG Copper Insulated Single Stranded Conductor	6,138.56	999.78
26 05 26 00-0029	MLF	3/0 AWG Copper Insulated Single Stranded Conductor	7,312.11	999.78
26 05 26 00-0030	MLF	4/0 AWG Copper Insulated Single Stranded Conductor	8,624.21	1,307.40
26 05 26 00-0031	MLF	250 MCM Copper Insulated Single Stranded Conductor	10,427.94	1,307.40
26 05 26 00-0032	MLF	300 MCM Copper Insulated Single Stranded Conductor	12,146.12	1,307.40
26 05 26 00-0033	MLF	350 MCM Copper Insulated Single Stranded Conductor	14,220.31	2,032.52
26 05 26 00-0034	MLF	500 MCM Copper Insulated Single Stranded Conductor	18,565.68	2,032.52

26 05 26 00-0035 Copper Bare Single Solid Conductors *(26 05 26 00-0002)*

26 05 26 00-0036	MLF	12 AWG Copper Bare Single Solid Conductor	643.36	241.70
26 05 26 00-0037	MLF	10 AWG Copper Bare Single Solid Conductor	847.59	241.70
26 05 26 00-0038	MLF	8 AWG Copper Bare Single Solid Conductor	1,052.79	291.15
26 05 26 00-0039	MLF	6 AWG Copper Bare Single Solid Conductor	1,442.95	291.15
26 05 26 00-0040	MLF	4 AWG Copper Bare Single Solid Conductor	1,933.02	351.57
26 05 26 00-0041	MLF	2 AWG Copper Bare Single Solid Conductor	3,032.78	351.57
26 05 26 00-0042	MLF	1/0 AWG Copper Bare Single Solid Conductor	4,114.34	422.98
26 05 26 00-0043	MLF	4/0 AWG Copper Bare Single Solid Conductor	7,533.06	560.31

26 05 26 00-0044 Aluminum Bare Single Stranded Conductors *(26 05 26 00-0002)*

26 05 26 00-0045	MLF	8 AWG Aluminum Bare Single Stranded Conductor	862.43	291.15
26 05 26 00-0046	MLF	6 AWG Aluminum Bare Single Stranded Conductor	964.20	291.15
26 05 26 00-0047	MLF	4 AWG Aluminum Bare Single Stranded Conductor	1,123.12	351.57
26 05 26 00-0048	MLF	2 AWG Aluminum Bare Single Stranded Conductor	1,453.43	351.57
26 05 26 00-0049	MLF	1 AWG Aluminum Bare Single Stranded Conductor	1,729.14	422.98
26 05 26 00-0050	MLF	1/0 AWG Aluminum Bare Single Stranded Conductor	1,981.42	422.98
26 05 26 00-0051	MLF	2/0 AWG Aluminum Bare Single Stranded Conductor	2,276.36	532.85
26 05 26 00-0052	MLF	3/0 AWG Aluminum Bare Single Stranded Conductor	2,649.91	532.85
26 05 26 00-0053	MLF	4/0 AWG Aluminum Bare Single Stranded Conductor	3,141.82	708.64
26 05 26 00-0054	MLF	250 MCM Aluminum Bare Single Stranded Conductor	3,561.17	708.64
26 05 26 00-0055	MLF	300 MCM Aluminum Bare Single Stranded Conductor	4,356.42	818.50
26 05 26 00-0056	MLF	350 MCM Aluminum Bare Single Stranded Conductor	5,024.03	818.50
26 05 26 00-0057	MLF	500 MCM Aluminum Bare Single Stranded Conductor	5,885.01	1,010.77

26 05 26 00-0058 Aluminum Bare Single Solid Conductors *(26 05 26 00-0002)*

26 05 26 00-0059	MLF	8 AWG Aluminum Bare Single Solid Conductor	862.43	291.15
26 05 26 00-0060	MLF	6 AWG Aluminum Bare Single Solid Conductor	964.20	291.15
26 05 26 00-0061	MLF	4 AWG Aluminum Bare Single Solid Conductor	1,123.12	351.57
26 05 26 00-0062	MLF	2 AWG Aluminum Bare Single Solid Conductor	1,453.43	351.57
26 05 26 00-0063	MLF	1 AWG Aluminum Bare Single Solid Conductor	1,684.80	560.31
26 05 26 00-0064	MLF	1/0 AWG Aluminum Bare Single Solid Conductor	1,981.42	560.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0065	MLF	2/0 AWG Aluminum Bare Single Solid Conductor	2,166.52	532.85
26 05 26 00-0066	MLF	3/0 AWG Aluminum Bare Single Solid Conductor	2,428.74	532.85
26 05 26 00-0067	MLF	4/0 AWG Aluminum Bare Single Solid Conductor	3,141.82	708.64
26 05 26 00-0068	MLF	250 MCM Aluminum Bare Single Solid Conductor	3,561.17	708.64
26 05 26 00-0069	MLF	300 MCM Aluminum Bare Single Solid Conductor	4,356.42	818.50
26 05 26 00-0070	MLF	350 MCM Aluminum Bare Single Solid Conductor	5,024.03	818.50
26 05 26 00-0071	MLF	500 MCM Aluminum Bare Single Solid Conductor	5,885.01	1,010.77

26 05 26 00-0072 Aluminum Smooth Woven Conductors *(26 05 26 00-0002)*

26 05 26 00-0073	LF	10 Strand x 14 AWG Smooth Weave Aluminum Conductor	3.02	0.87
26 05 26 00-0074	LF	16 Strand x 14 AWG Smooth Weave Aluminum Conductor	3.34	0.96
26 05 26 00-0075	LF	24 Strand x 14 AWG Smooth Weave Aluminum Conductor	3.97	1.09
26 05 26 00-0076	LF	26 Strand x 14 AWG Smooth Weave Aluminum Conductor	4.00	1.12
26 05 26 00-0077	LF	28 Strand x 14 AWG Smooth Weave Aluminum Conductor	4.20	1.17

26 05 26 00-0078 Copper Flexible Braid Connector Jumper Strap *(26 05 26 00-0001)*

Note: Manufactured from flat extra flexible tinned braid. Ferrules are tin plated pure electrolytic copper with 2 holes, on each end.

26 05 26 00-0079	EA	100 Amperes, Copper Flexible Braid Jumper Strap, 12" Length	147.56	31.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.91*	
26 05 26 00-0080	EA	225 Amperes, Copper Flexible Braid Jumper Strap, 12" Length	255.27	37.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.69*	
26 05 26 00-0081	EA	225 Amperes, Copper Flexible Braid Jumper Strap, 18" Length	327.18	37.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.69*	
26 05 26 00-0082	EA	225 Amperes, Copper Flexible Braid Jumper Strap, 24" Length	398.12	37.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.69*	
26 05 26 00-0083	EA	400 Amperes, Copper Flexible Braid Jumper Strap, 12" Length	343.80	40.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.37*	
26 05 26 00-0084	EA	400 Amperes, Copper Flexible Braid Jumper Strap, 18" Length	447.26	40.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.37*	
26 05 26 00-0085	EA	400 Amperes, Copper Flexible Braid Jumper Strap, 24" Length	537.16	40.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.37*	
26 05 26 00-0086	EA	600 Amperes, Copper Flexible Braid Jumper Strap, 12" Length	447.89	52.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.20*	
26 05 26 00-0087	EA	800 Amperes, Copper Flexible Braid Jumper Strap, 12" Length	538.61	63.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.82*	

26 05 26 00-0088 Bonding Jumper For Metallic Conduit *(26 05 26 00-0001)*

26 05 26 00-0089	EA	1/2" To 1" Conductor, Bonding Jumper, Metallic Conduit	195.83	69.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*39.40*	
26 05 26 00-0090	EA	1-1/4" To 2" Conductor, Bonding Jumper, Metallic Conduit	241.26	69.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.49*	
26 05 26 00-0091	EA	2-1/2" To 4" Conductor, Bonding Jumper, Metallic Conduit	354.58	107.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*57.31*	
26 05 26 00-0092	EA	5" To 6" Conductor, Bonding Jumper, Metallic Conduit	525.32	107.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*70.04*	

26 05 26 00-0093 Ground Rods *(26 05 26)*

26 05 26 00-0094 Copper-Clad Ground Rods *(26 05 26 00-0093)*

26 05 26 00-0095	EA	1/2" Diameter x 8' Long Copper-Clad Ground Rods	105.05	94.55
26 05 26 00-0096	EA	5/8" Diameter x 8' Long Copper-Clad Ground Rods	109.18	94.55
26 05 26 00-0097	EA	3/4" Diameter x 8' Long Copper-Clad Ground Rods	125.85	94.55
26 05 26 00-0098	EA	1/2" Diameter x 10' Long Copper-Clad Ground Rods	123.45	94.55
26 05 26 00-0099	EA	5/8" Diameter x 10' Long Copper-Clad Ground Rods	128.62	94.55
26 05 26 00-0100	EA	3/4" Diameter x 10' Long Copper-Clad Ground Rods	149.45	94.55

26 05 26 00-0101 Copper Grounding Shaft *(26 05 26 00-0093)*

26 05 26 00-0102	EA	2-1/8" Diameter x 10' Long Copper Grounding Shaft	346.86	94.55
26 05 26 00-0103	EA	2-1/8" Diameter "L" Shaped; 3' Riser x 10' Horizontal Copper Grounding Shaft	430.75	94.55
26 05 26 00-0104	EA	2-1/8" Diameter "L" Shaped; 3' Riser x 20' Horizontal Copper Grounding Shaft	664.15	94.55

26 05 26 00-0105 Ground Access Wells *(26 05 26 00-0093)*

26 05 26 00-0106 Precast Ground Access Wells *(26 05 26 00-0105)*

26 05 26 00-0107	EA	8" Diameter x 24" Deep Precast Ground Access Well Note: With cast iron grate.	291.83	
26 05 26 00-0108	EA	10" Diameter x 24" Deep Precast Ground Access Well Note: With cast iron grate.	302.25	
26 05 26 00-0109	EA	12" Diameter x 24" Deep Precast Ground Access Well Note: With cast iron grate.	887.68	
26 05 26 00-0110	EA	18" Diameter x 24" Deep Precast Ground Access Well Note: With cast iron grate.	898.10	

26 05 26 00-0111 Polyvinyl Chloride (PVC) Ground Access Well *(26 05 26 00-0105)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0112	EA	10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with cast iron grated cover.	579.36	
26 05 26 00-0113	EA	12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with cast iron grated cover.	706.18	
26 05 26 00-0114	EA	18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with cast iron grated cover.	1,557.03	
26 05 26 00-0115	EA	10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with flat steel cover.	438.57	
26 05 26 00-0116	EA	12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with flat steel cover.	531.08	
26 05 26 00-0117	EA	18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with flat steel cover.	1,392.59	
26 05 26 00-0118	EA	8" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well Note: Schedule 40 with flat steel cover.	251.16	
26 05 26 00-0119	EA	10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well Note: Schedule 40 with flat steel cover.	346.29	
26 05 26 00-0120	EA	12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well Note: Schedule 40 with flat steel cover.	412.78	
26 05 26 00-0121	EA	8" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover	203.84	
26 05 26 00-0122	EA	10" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover	319.08	
26 05 26 00-0123	EA	8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well Note: Schedule 40 with flat steel cover.	478.58	
26 05 26 00-0124	EA	10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well Note: Schedule 40 with flat steel cover.	661.25	
26 05 26 00-0125	EA	8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well Note: Schedule 40 with plastic cover.	458.47	
26 05 26 00-0126	EA	10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well Note: Schedule 40 with plastic cover.	493.25	
26 05 26 00-0127	EA	10" Diameter x 36" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron cover, heavy-duty.	886.95	
26 05 26 00-0128	EA	10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron cover, heavy-duty.	1,120.27	
26 05 26 00-0129	EA	12" Diameter x 12" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron cover, heavy-duty.	491.81	
26 05 26 00-0130	EA	12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron cover, heavy-duty.	671.87	
26 05 26 00-0131	EA	12" Diameter x 30" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron cover, heavy-duty.	663.83	

26 05 26 00-0132 Polymer Concrete Ground Access Well *(26 05 26 00-0105)*

26 05 26 00-0133	EA	12" x 12" x 12" Polymer Concrete Ground Access Well	559.25	
26 05 26 00-0134	EA	12" x 12" x 12" Heavy-Duty Polymer Concrete Ground Access Well	613.86	
26 05 26 00-0135	EA	12" x 12" x 18" Polymer Concrete Ground Access Well	616.47	
26 05 26 00-0136	EA	12" x 12" x 18" Heavy-Duty Polymer Concrete Ground Access Well	676.58	
26 05 26 00-0137	EA	12" x 12" x 24" Polymer Concrete Ground Access Well	675.91	
26 05 26 00-0138	EA	12" x 12" x 24" Heavy-Duty Polymer Concrete Ground Access Well	742.02	
26 05 26 00-0139	EA	13" x 24" x 18" Polymer Concrete Ground Access Well	903.14	
26 05 26 00-0140	EA	13" x 24" x 18" Heavy-Duty Polymer Concrete Ground Access Well	993.36	

26 05 26 00-0141 High-Density Polyethylene (HDPE) Ground Access Well *(26 05 26 00-0105)*

26 05 26 00-0142	EA	9" Diameter x 10" Deep High-Density Polyethylene (HDPE) Ground Access Well Note: With cover.	201.82	
26 05 26 00-0143	EA	14" Diameter x 18" Deep High-Density Polyethylene (HDPE) Ground Access Well Note: With cover.	281.82	

26 05 26 00-0144 Clay Tile Ground Access Wells *(26 05 26 00-0105)*

26 05 26 00-0145	EA	8" Diameter x 24" Deep Clay Tile Ground Access Well With Concrete Cover	319.33	
26 05 26 00-0146	EA	8" Diameter x 24" Deep Clay Tile Ground Access Well With Cast Iron Grated Cover	336.09	
26 05 26 00-0147	EA	Concrete Cover For 8" Diameter x 24" Deep Clay Tile Ground Access Well	102.74	

26 05 26 00-0148 Ground Rod Clamps And Fittings *(26 05 26)*

26 05 26 00-0149 Bronze Ground Rod Clamp *(26 05 26 00-0148)*

26 05 26 00-0150	EA	1/2" Bronze Ground Rod Clamp	24.76	14.25
26 05 26 00-0151	EA	5/8" Bronze Ground Rod Clamp	25.80	14.25
26 05 26 00-0152	EA	3/4" Bronze Ground Rod Clamp	27.28	14.25

26 05 26 00-0153 Bronze Pipe Clamps *(26 05 26 00-0148)*

26 05 26 00-0154	EA	1/2" To 1" Bronze Pipe Ground Clamps	33.69	23.70
26 05 26 00-0155	EA	1-1/4" To 2" Bronze Ground Clamps For Pipe	42.64	28.36
26 05 26 00-0156	EA	2-1/2" To 3" Bronze Ground Clamps For Pipe	62.20	33.16
26 05 26 00-0157	EA	2-1/2" To 4" Bronze Ground Clamps For Pipe	76.37	42.61
26 05 26 00-0158	EA	4" To 6" Bronze Ground Clamps For Pipe	116.39	61.52

26 05 26 00-0159 Grounding Fittings *(26 05 26 00-0148)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0160		**Embedded Fittings** *(26 05 26 00-0159)*		
26 05 26 00-0161	EA	Ground Insert With Two 3/8 x 16 Holes #2 To 250 MCM Cable Range, Embedded	166.56	
26 05 26 00-0162	EA	Ground Insert With Four 3/8 x 16 Holes #2 To 250 MCM Cable Range, Embedded	175.99	
26 05 26 00-0163	EA	Ground Insert With Four 3/8 x 16 Holes 250 To 500 MCM Cable Range, Embedded	192.73	
26 05 26 00-0164	EA	#8 To 1 AWG, Copper To Aluminum, Grounding Wire Splice	165.78	
26 05 26 00-0165	EA	1/0 To 3/0 AWG, Copper To Aluminum, Grounding Wire Splice	198.67	
26 05 26 00-0166	EA	4/0 To 300 MCM, Copper To Aluminum, Grounding Wire Splice	232.91	
26 05 26 00-0167	EA	350 To 500 MCM, Copper To Aluminum, Grounding Wire Splice	262.22	
26 05 26 00-0168		**Ground Rod Receptacle** *(26 05 26 00-0159)*		
26 05 26 00-0169	EA	1/2" Ground Rod Receptacle	358.41	131.11
26 05 26 00-0170	EA	5/8" Ground Rod Receptacle	374.07	134.81
26 05 26 00-0171	EA	3/4" Ground Rod Receptacle	390.13	138.47
26 05 26 00-0172		**Ground Kits For Circuit Breaker Panels** *(26 05 26 00-0159)*		
26 05 26 00-0173	EA	14-8 AWG Copper Ground Kit	80.80	31.52
26 05 26 00-0174	EA	12-8 AWG Aluminum Ground Kit	89.43	31.52
26 05 26 00-0175	EA	14-4 AWG Copper Ground Kit	88.73	31.52
26 05 26 00-0176	EA	12-4 AWG Aluminum Ground Kit	107.90	31.52
26 05 26 00-0177		**Insulated Grounding Bars** *(26 05 26 00-0148)*		
26 05 26 00-0178	EA	1/2" x 4" x 10" Insulated Ground Bar	328.64	31.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.73*	
26 05 26 00-0179	EA	Insulated Ground Bar SK 9560 1/2" x 4" x 20"	343.96	31.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.73*	
26 05 26 00-0180		**Ground Conductor Bonding** *(26 05 26)*		
26 05 26 00-0181		**Ground Conductor Bonding** *(26 05 26 00-0180)*		
26 05 26 00-0182		**Splice, Lug, Ground Rod, Rebar Or Structural Steel Cadweld** *(26 05 26 00-0181)*		
26 05 26 00-0183	EA	Up To #6 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel Note: Includes molds, materials and all necessary tools to make connections.	146.54	
26 05 26 00-0184	EA	#4 To #1 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel Note: Includes molds, materials and all necessary tools to make connections.	159.14	
26 05 26 00-0185	EA	1/0 To 4/0 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel. Note: Includes molds, materials and all necessary tools to make connections.	171.75	
26 05 26 00-0186	EA	250 To 1,000 MCM AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel Note: Includes molds, materials and all necessary tools to make connections.	247.39	
26 05 26 00-0187		**Tee, Wye Or Cross Cadweld** *(26 05 26 00-0181)*		
26 05 26 00-0188	EA	Up To #6 AWG Cadweld Connection For Tee, Wye Or Cross Note: Includes molds, materials and all necessary tools to make connections.	165.45	
26 05 26 00-0189	EA	#4 To #1 AWG Cadweld Connection For Tee, Wye Or Cross Note: Includes molds, materials and all necessary tools to make connections.	190.65	
26 05 26 00-0190	EA	1/0 To 4/0 AWG Cadweld Connection For Tee, Wye Or Cross Note: Includes molds, materials and all necessary tools to make connections.	234.79	
26 05 26 00-0191	EA	250 To 1,000 MCM AWG Cadweld Connection For Tee, Wye Or Cross. Note: Includes molds, materials and all necessary tools to make connections.	285.20	
26 05 26 00-0192		**Grounding Equipment** *(26 05 26)*		
26 05 26 00-0193		**Special Grounding Equipment** *(26 05 26 00-0192)*		
26 05 26 00-0194		**Ground Reels And Ground Bus** *(26 05 26 00-0193)*		
26 05 26 00-0195	EA	Ground Reel With 50' Of Galvanized Steel Cable	735.95	
26 05 26 00-0196		**Copper Bars** *(26 05 26 00-0193)*		
26 05 26 00-0197	LF	1/4" x 2" Copper Bar	43.08	
26 05 26 00-0198		**Phenolic Insulators** *(26 05 26 00-0193)*		
26 05 26 00-0199	EA	2" x 2" x 1" Long Phenolic Insulators	32.32	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.56*	
26 05 26 00-0200		**Grounding Studs** *(26 05 26 00-0193)*		
26 05 26 00-0201	EA	Ball Grounding Stud	46.93	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.29*	
26 05 26 00-0202		**Equipment Ground Bar Kits** *(26 05 26 00-0193)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0203	EA	Switch Rating 30 Ground Bar Kit	35.87	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.56*	
26 05 26 00-0204	EA	Switch Rating 60 Ground Bar Kit	45.29	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.32*	
26 05 26 00-0205	EA	Switch Rating 100 Ground Bar Kit	52.68	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.46*	
26 05 26 00-0206	EA	Switch Rating 200 Ground Bar Kit	89.33	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.35*	
26 05 26 00-0207		**Panelboard Ground Bar Kits** *(26 05 26 00-0193)*		
26 05 26 00-0208	EA	Panelboard Ground Bar Kit	126.66	9.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.46*	
26 05 26 00-0209		**Circuit Breaker Ground Bar Kits** *(26 05 26 00-0193)*		
26 05 26 00-0210	EA	3 Circuit, Ground Bar Kit	29.57	5.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.67*	
26 05 26 00-0211	EA	4 Circuit, Ground Bar Kit	29.08	5.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.67*	
26 05 26 00-0212	EA	7 Circuit, Ground Bar Kit	29.90	5.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.67*	
26 05 26 00-0213	EA	12 Circuit, Ground Bar Kit	33.91	6.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.43*	
26 05 26 00-0214	EA	20 Circuit, Ground Bar Kit	38.55	7.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.19*	
26 05 26 00-0215	EA	24 Circuit, Ground Bar Kit	42.56	7.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.94*	
26 05 26 00-0216	EA	30 Circuit, Ground Bar Kit	47.64	9.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.08*	
26 05 26 00-0217	EA	54 Circuit, Ground Bar Kit	55.15	10.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.59*	
26 05 26 00-0218	EA	24 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug	59.12	7.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.94*	
26 05 26 00-0219	EA	30 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug	65.52	9.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.08*	
26 05 26 00-0220	EA	54 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug	73.19	10.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.59*	

26 05 29 Hangers and Supports for Electrical Systems *(26 05)*

26 05 29 00-0001 Metal Framing Channel And Fittings *(26 05 29)*

26 05 29 00-0002 Metal Framing Channel *(26 05 29 00-0001)*

Note: Excludes fasteners and accessories.

26 05 29 00-0003 Steel Unistrut Channel *(26 05 29 00-0002)*

26 05 29 00-0004	EA	Up To 1' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel	20.88	6.91
		For Galvanizing, Add	*1.00*	
		For Powder Coating, Add	*0.89*	
26 05 29 00-0005	EA	>1' To 2' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel	30.22	9.21
		For Galvanizing, Add	*2.01*	
		For Powder Coating, Add	*1.77*	
26 05 29 00-0006	EA	>2' To 3' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel	39.59	10.95
		For Galvanizing, Add	*3.01*	
		For Powder Coating, Add	*2.66*	
26 05 29 00-0007	EA	>3' To 4' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel	48.95	12.67
		For Galvanizing, Add	*4.01*	
		For Powder Coating, Add	*3.54*	
26 05 29 00-0008	LF	>4' Cut Lengths x 1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel	11.09	2.60
		For Galvanizing, Add	*1.00*	
		For Powder Coating, Add	*0.89*	
26 05 29 00-0009	EA	Up To 1' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	22.69	6.91
		For Galvanizing, Add	*1.31*	
		For Powder Coating, Add	*1.16*	
26 05 29 00-0010	EA	>1' To 2' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	33.85	9.21
		For Galvanizing, Add	*2.62*	
		For Powder Coating, Add	*2.31*	
26 05 29 00-0011	EA	>2' To 3' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	45.02	10.95
		For Galvanizing, Add	*3.93*	
		For Powder Coating, Add	*3.47*	
26 05 29 00-0012	EA	>3' To 4' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	56.19	12.67
		For Galvanizing, Add	*5.24*	
		For Powder Coating, Add	*4.63*	
26 05 29 00-0013	LF	>4' Cut Lengths x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	12.90	2.60
		For Galvanizing, Add	*1.31*	
		For Powder Coating, Add	*1.16*	
26 05 29 00-0014	EA	Up To 1' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	24.57	6.91
		For Galvanizing, Add	*1.63*	
		For Powder Coating, Add	*1.44*	
26 05 29 00-0015	EA	>1' To 2' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	37.61	9.21
		For Galvanizing, Add	*3.26*	
		For Powder Coating, Add	*2.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0016	EA	>2' To 3' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	50.66	10.95
		For Galvanizing, Add	*4.89*	
		For Powder Coating, Add	*4.32*	
26 05 29 00-0017	EA	>3' To 4' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	63.71	12.67
		For Galvanizing, Add	*6.52*	
		For Powder Coating, Add	*5.76*	
26 05 29 00-0018	LF	>4' Cut Lengths x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	14.78	2.60
		For Galvanizing, Add	*1.63*	
		For Powder Coating, Add	*1.44*	
26 05 29 00-0019	EA	Up To 1' Cut Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	23.94	6.91
		For Galvanizing, Add	*1.52*	
		For Powder Coating, Add	*1.34*	
26 05 29 00-0020	EA	>1' To 2' Cut Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	36.33	9.21
		For Galvanizing, Add	*3.04*	
		For Powder Coating, Add	*2.69*	
26 05 29 00-0021	EA	>2' To 3' Cut Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	48.75	10.95
		For Galvanizing, Add	*4.57*	
		For Powder Coating, Add	*4.03*	
26 05 29 00-0022	EA	>3' To 4' Cut Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	61.16	12.67
		For Galvanizing, Add	*6.09*	
		For Powder Coating, Add	*5.37*	
26 05 29 00-0023	LF	>4' Cut Lengths x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	14.15	2.60
		For Galvanizing, Add	*1.52*	
		For Powder Coating, Add	*1.34*	
26 05 29 00-0024	EA	Up To 1' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	23.52	6.91
		For Galvanizing, Add	*1.45*	
		For Powder Coating, Add	*1.28*	
26 05 29 00-0025	EA	>1' To 2' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	35.50	9.21
		For Galvanizing, Add	*2.90*	
		For Powder Coating, Add	*2.56*	
26 05 29 00-0026	EA	>2' To 3' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	47.51	10.95
		For Galvanizing, Add	*4.36*	
		For Powder Coating, Add	*3.84*	
26 05 29 00-0027	EA	>3' To 4' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	59.51	12.67
		For Galvanizing, Add	*5.81*	
		For Powder Coating, Add	*5.13*	
26 05 29 00-0028	LF	>4' Cut Lengths x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	13.73	2.60
		For Galvanizing, Add	*1.45*	
		For Powder Coating, Add	*1.28*	

26 05 29 00-0029 Stainless Steel Unistrut Channel *(26 05 29 00-0002)*

26 05 29 00-0030 304 Stainless Steel Unistrut Channel *(26 05 29 00-0029)*

26 05 29 00-0031	EA	Up To 1' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	34.66	6.91
26 05 29 00-0032	EA	>1' To 2' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	57.78	9.21
26 05 29 00-0033	EA	>2' To 3' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	80.92	10.95
26 05 29 00-0034	EA	>3' To 4' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	104.06	12.67
26 05 29 00-0035	LF	>4' Cut Lengths x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	24.87	2.61
26 05 29 00-0036	EA	Up To 1' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	38.27	6.91
26 05 29 00-0037	EA	>1' To 2' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	65.01	9.21
26 05 29 00-0038	EA	>2' To 3' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	91.76	10.95
26 05 29 00-0039	EA	>3' To 4' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	118.51	12.67
26 05 29 00-0040	LF	>4' Cut Lengths x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	28.48	2.61
26 05 29 00-0041	EA	Up To 1' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	39.47	6.91
26 05 29 00-0042	EA	>1' To 2' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	67.40	9.21
26 05 29 00-0043	EA	>2' To 3' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	95.35	10.95
26 05 29 00-0044	EA	>3' To 4' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	123.30	12.67
26 05 29 00-0045	LF	>4' Cut Lengths x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	29.68	2.60
26 05 29 00-0046	EA	Up To 1' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	45.70	6.91
26 05 29 00-0047	EA	>1' To 2' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	79.86	9.21
26 05 29 00-0048	EA	>2' To 3' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	114.04	10.95
26 05 29 00-0049	EA	>3' To 4' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	148.23	12.67
26 05 29 00-0050	LF	>4' Cut Lengths x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	35.91	2.60

26 05 29 00-0051 316 Stainless Steel Unistrut Channel *(26 05 29 00-0029)*

26 05 29 00-0052	EA	Up To 1' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	50.26	6.91
26 05 29 00-0053	EA	>1' To 2' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	88.98	9.21
26 05 29 00-0054	EA	>2' To 3' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	127.72	10.95
26 05 29 00-0055	EA	>3' To 4' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	166.46	12.67
26 05 29 00-0056	LF	>4' Cut Lengths x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	40.47	2.61

26 05 29 00-0057 Aluminum Unistrut Channel *(26 05 29 00-0002)*

26 05 29 00-0058	EA	Up To 1' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Aluminum Unistrut Channel	19.54	6.91
26 05 29 00-0059	EA	>1' To 2' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Aluminum Unistrut Channel	27.53	9.21
26 05 29 00-0060	EA	>2' To 3' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Aluminum Unistrut Channel	35.55	10.95
26 05 29 00-0061	EA	>3' To 4' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Aluminum Unistrut Channel	43.57	12.67
26 05 29 00-0062	LF	>4' Cut Lengths x 1-5/8" Wide x 13/16" High, 14 Gauge, Aluminum Unistrut Channel	9.75	2.60
26 05 29 00-0063	EA	Up To 1' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Aluminum Unistrut Channel	22.52	6.91
26 05 29 00-0064	EA	>1' To 2' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Aluminum Unistrut Channel	33.49	9.21
26 05 29 00-0065	EA	>2' To 3' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Aluminum Unistrut Channel	44.49	10.95

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0066	EA	>3' To 4' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Aluminum Unistrut Channel	55.48	12.67
26 05 29 00-0067	LF	>4' Cut lengths x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Aluminum Unistrut Channel	12.73	2.60
26 05 29 00-0068		Metal Framing Channel Fittings *(26 05 29 00-0001)*		
26 05 29 00-0069		Unistrut Channel Closure Strips And Caps *(26 05 29 00-0068)*		
26 05 29 00-0070		Steel Unistrut Channel Closure Strips And Caps *(26 05 29 00-0069)*		
26 05 29 00-0071	LF	Steel Raceway Closure Strip, Unistrut Channel Fittings	7.60	0.63
26 05 29 00-0072	EA	Steel End Cap, Unistrut Channel Fittings	5.65	1.58
26 05 29 00-0073		Stainless Steel Unistrut Channel Closure Strips And Caps *(26 05 29 00-0069)*		
26 05 29 00-0074	EA	Stainless Steel End Cap For Unistrut Channel	12.48	1.58
26 05 29 00-0075		Flat Splice Plate, Unistrut Channel Fittings *(26 05 29 00-0068)*		
26 05 29 00-0076		Steel Flat Splice Plate, Unistrut Channel Fittings *(26 05 29 00-0075)*		
26 05 29 00-0077	EA	2-Hole, 3-1/4" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting	7.43	
26 05 29 00-0078	EA	3-Hole, 5-3/8" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting	7.39	
26 05 29 00-0079	EA	4-Hole, 7-1/4" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting	9.02	
26 05 29 00-0080		Stainless Steel Flat Splice Plate, Unistrut Channel Fittings *(26 05 29 00-0075)*		
26 05 29 00-0081	EA	2-Hole, 3-1/2" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting	17.62	
26 05 29 00-0082	EA	3-Hole, 5-3/8" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting	26.10	
26 05 29 00-0083	EA	4-Hole, 7-1/4" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting	33.27	
26 05 29 00-0084		90 Degree Angle, Unistrut Channel Fittings *(26 05 29 00-0068)*		
26 05 29 00-0085		Steel 90 Degree Angle, Unistrut Channel Fittings *(26 05 29 00-0084)*		
26 05 29 00-0086	EA	2-Hole, 1-7/8" x 2", 90 Degree Angle, Steel, Unistrut Channel Fitting	7.19	
26 05 29 00-0087	EA	2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, Steel, Unistrut Channel Fitting	5.99	
26 05 29 00-0088	EA	3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, Steel, Unistrut Channel Fitting	10.47	
26 05 29 00-0089	EA	3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, Steel, Unistrut Channel Fitting	10.32	
26 05 29 00-0090		Stainless Steel 90 Degree Angle, Unistrut Channel Fittings *(26 05 29 00-0084)*		
26 05 29 00-0091	EA	2-Hole, 1-7/8" x 2", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	10.19	
26 05 29 00-0092	EA	2-Hole, 1-7/8" x 2", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	12.68	
26 05 29 00-0093	EA	2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	10.79	
26 05 29 00-0094	EA	2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	15.23	
26 05 29 00-0095	EA	3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	13.94	
26 05 29 00-0096	EA	3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	25.51	
26 05 29 00-0097	EA	3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	14.64	
26 05 29 00-0098	EA	3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	21.12	
26 05 29 00-0099		60 Degree Angle, Unistrut Channel Fittings *(26 05 29 00-0068)*		
26 05 29 00-0100		Steel 60 Degree Angle, Unistrut Channel Fittings *(26 05 29 00-0099)*		
26 05 29 00-0101	EA	2-Hole, 1-7/8" x 3-3/8", 60 Degree Angle, Steel, Unistrut Channel Fitting	15.05	
26 05 29 00-0102		U-Connector, Unistrut Channel Fittings *(26 05 29 00-0068)*		
26 05 29 00-0103		Steel, U-Connector, Unistrut Channel Fittings *(26 05 29 00-0102)*		
26 05 29 00-0104	EA	3-Hole, 1-5/8" x 13/16", U-Connector, Steel, Unistrut Channel Fitting	5.21	
26 05 29 00-0105	EA	5-Hole, 1-5/8" x 1-5/8", U-Connector, Steel, Unistrut Channel Fitting	5.83	
26 05 29 00-0106		Stainless Steel, U-Connector, Unistrut Channel Fittings *(26 05 29 00-0102)*		
26 05 29 00-0107	EA	5-Hole, 1-5/8" x 1-5/8", U-Connector, 304 Stainless Steel, Unistrut Channel Fitting	20.97	
26 05 29 00-0108		Z-Bracket, Unistrut Channel Fittings *(26 05 29 00-0068)*		
26 05 29 00-0109		Steel Z-Bracket, Unistrut Channel Fittings *(26 05 29 00-0108)*		
26 05 29 00-0110	EA	3-Hole, Z-Bracket, Steel, Unistrut Channel Fitting	15.45	
26 05 29 00-0111		Stainless Steel Z-Bracket, Unistrut Channel Fittings *(26 05 29 00-0108)*		
26 05 29 00-0112	EA	3-Hole, Z-Bracket, 304 Stainless Steel, Unistrut Channel Fitting	40.56	
26 05 29 00-0113		Standard Pipe And Rigid Conduit Clamps For Unistrut Channel *(26 05 29 00-0068)* Note: Includes hex screw and nut.		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0114		Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel *(26 05 29 00-0113)*		
		Note: Includes hex screw and nut.		
26 05 29 00-0115	EA	1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	5.54	1.90
26 05 29 00-0116	EA	3/4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	5.57	1.90
26 05 29 00-0117	EA	1" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	5.71	1.90
26 05 29 00-0118	EA	1-1/4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	7.17	2.53
26 05 29 00-0119	EA	1-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	7.89	2.53
26 05 29 00-0120	EA	2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	7.96	2.53
26 05 29 00-0121	EA	2-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	9.74	3.15
26 05 29 00-0122	EA	3" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	10.37	3.15
26 05 29 00-0123	EA	3-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	10.98	3.15
26 05 29 00-0124	EA	4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	11.20	3.15
26 05 29 00-0125		304 Stainless Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel *(26 05 29 00-0113)*		
		Note: Includes hex screw and nut.		
26 05 29 00-0126	EA	1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	8.33	1.90
26 05 29 00-0127	EA	3/4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	9.27	1.90
26 05 29 00-0128	EA	1" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	10.22	1.90
26 05 29 00-0129	EA	1-1/4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	12.73	2.53
26 05 29 00-0130	EA	1-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	15.36	2.53
26 05 29 00-0131	EA	2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	16.05	2.53
26 05 29 00-0132	EA	2-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	19.28	3.15
26 05 29 00-0133	EA	3" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	21.61	3.15
26 05 29 00-0134	EA	3-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	22.62	3.15
26 05 29 00-0135	EA	4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	26.32	3.15
26 05 29 00-0136		316 Stainless Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel *(26 05 29 00-0113)*		
		Note: Includes hex screw and nut.		
26 05 29 00-0137	EA	1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	8.90	1.90
26 05 29 00-0138	EA	3/4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	10.24	1.90
26 05 29 00-0139	EA	1" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	10.62	1.90
26 05 29 00-0140	EA	1-1/4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	12.92	2.53
26 05 29 00-0141	EA	1-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	17.51	2.53
26 05 29 00-0142	EA	2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	17.74	2.53
26 05 29 00-0143	EA	2-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	21.05	3.15
26 05 29 00-0144	EA	3" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	22.24	3.15
26 05 29 00-0145	EA	3-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	30.70	3.15
26 05 29 00-0146	EA	4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	35.87	3.15
26 05 29 00-0147		Beam Clamps, Unistrut Channel Fittings *(26 05 29 00-0068)*		
26 05 29 00-0148		Steel Beam Clamps, Unistrut Channel Fittings *(26 05 29 00-0147)*		
26 05 29 00-0149	EA	Set Screw Beam Clamp, Steel Unistrut Channel Fitting	41.54	11.52
26 05 29 00-0150	EA	"C" Beam Clamp Use With 1/2" Rod, Steel Unistrut Channel Fittings	27.30	11.52
26 05 29 00-0151	EA	"U" Bolt Beam Clamp, Steel Unistrut Channel Fitting	40.10	11.52
26 05 29 00-0152		304 Stainless Steel Beam Clamps, Unistrut Channel Fittings *(26 05 29 00-0147)*		
26 05 29 00-0153	EA	"U" Bolt Beam Clamp, 304 Stainless Steel Unistrut Channel Fitting	51.04	11.52
26 05 29 00-0154		Square Washers For Unistrut Channel *(26 05 29 00-0068)*		
26 05 29 00-0155		Steel Square Washers For Unistrut Channel *(26 05 29 00-0154)*		
26 05 29 00-0156	EA	1/2" Bolt Size, Steel, Square Washer For Unistrut Channel	5.23	
26 05 29 00-0157		Stainless Steel Square Washers For Unistrut Channel *(26 05 29 00-0154)*		
26 05 29 00-0158	EA	1/2" Bolt Size, 304 Stainless Steel, Square Washer For Unistrut Channel	5.15	
26 05 29 00-0159	EA	1/2" Bolt Size, 316 Stainless Steel, Square Washer For Unistrut Channel	6.44	
26 05 29 00-0160		Strut Braces, Unistrut Channel Fittings *(26 05 29 00-0068)*		
26 05 29 00-0161	EA	16" Diagonal Steel Bar Brace For Unistrut Channel	42.73	
26 05 29 00-0162		Trolley Hangers, Unistrut Channel Fittings *(26 05 29 00-0068)*		
26 05 29 00-0163	EA	Steel Trolley Track Hanger For Unistrut Channel	53.00	
26 05 29 00-0164		Lock Nuts With Spring For Unistrut Channel *(26 05 29 00-0068)*		
		Note: Includes hex bolt.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0165		**Steel Lock Nuts With Spring For Unistrut Channel** *(26 05 29 00-0164)* Note: Includes hex bolt.		
26 05 29 00-0166	EA	1/4-20, Steel Lock Nut With Spring For Unistrut Channel	8.76	
26 05 29 00-0167	EA	3/8-16, Steel Lock Nut With Spring For Unistrut Channel	9.63	
26 05 29 00-0168	EA	1/2-13, Steel Lock Nut With Spring For Unistrut Channel	10.29	
26 05 29 00-0169	EA	5/8-11, Steel Lock Nut With Spring For Unistrut Channel	13.81	
26 05 29 00-0170		**Stainless Steel Lock Nuts With Spring For Unistrut Channel** *(26 05 29 00-0164)* Note: Includes hex bolt.		
26 05 29 00-0171	EA	1/4-20, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	14.78	
26 05 29 00-0172	EA	3/8-16, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	15.79	
26 05 29 00-0173	EA	1/2-13, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	22.10	
26 05 29 00-0174	EA	5/8-11, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	36.24	
26 05 29 00-0175		**Lock Nuts Without Spring For Unistrut Channel** *(26 05 29 00-0068)* Note: Includes hex bolt.		
26 05 29 00-0176		**Steel Lock Nuts Without Spring For Unistrut Channel** *(26 05 29 00-0175)* Note: Includes hex bolt.		
26 05 29 00-0177	EA	1/4-20, Steel Lock Nut Without Spring For Unistrut Channel	8.79	
26 05 29 00-0178	EA	3/8-16, Steel Lock Nut Without Spring For Unistrut Channel	9.75	
26 05 29 00-0179	EA	1/2-13, Steel Lock Nut Without Spring For Unistrut Channel	10.34	
26 05 29 00-0180	EA	5/8-11, Steel Lock Nut Without Spring For Unistrut Channel	14.82	
26 05 29 00-0181		**Stainless Steel Lock Nuts Without Spring For Unistrut Channel** *(26 05 29 00-0175)* Note: Includes hex bolt.		
26 05 29 00-0182	EA	1/4-20, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	10.90	
26 05 29 00-0183	EA	3/8-16, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	13.05	
26 05 29 00-0184	EA	1/2-13, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	14.38	
26 05 29 00-0185	EA	5/8-11, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	35.33	
26 05 29 00-0186		**Mounting Assemblies** *(26 05 29)*		
26 05 29 00-0187		**Galvanized Steel Mounting Assemblies** *(26 05 29 00-0186)*		
26 05 29 00-0188		**Galvanized Steel Back Plate** *(26 05 29 00-0187)*		
26 05 29 00-0189	EA	1/4" x 4' x 4', Galvanized Steel Back Plate, Painted	561.50	75.64
26 05 29 00-0190	EA	3/8" x 14" x 16", Galvanized Steel Back Plate, Painted	137.67	25.21
26 05 29 00-0191	EA	3/16" x 30" x 48", Galvanized Steel Back Plate, Painted	348.70	63.03
26 05 29 00-0192		**Aluminum Mounting Assemblies** *(26 05 29 00-0186)*		
26 05 29 00-0193		**Aluminum Back Plate** *(26 05 29 00-0192)*		
26 05 29 00-0194	EA	3/16" x 2' x 2' Aluminum Back Plate	468.01	94.55
26 05 29 00-0195	EA	3/16" x 4' x 4' Aluminum Back Plate	1,342.89	94.55
26 05 29 00-0196		**Supports** *(26 05 29)*		
26 05 29 00-0197		**One Hole Steel Conduit Straps** *(26 05 29 00-0196)*		
26 05 29 00-0198	EA	1/2", One Hole Steel Conduit Strap	4.62	
		For Work In Restricted Working Space, Add	*1.21*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.11*	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.43*	
		For >250 To 500, Deduct	*-0.85*	
		For >500, Deduct	*-1.27*	
26 05 29 00-0199	EA	3/4", One Hole Steel Conduit Strap	4.68	
		For Work In Restricted Working Space, Add	*1.21*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.11*	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.44*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.28*	
26 05 29 00-0200	EA	1", One Hole Steel Conduit Strap	4.98	
		For Work In Restricted Working Space, Add	*1.21*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.11*	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.31*	
26 05 29 00-0201	EA	1-1/4", One Hole Steel Conduit Strap	5.20	
		For Work In Restricted Working Space, Add	*1.21*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.11*	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.46*	
		For >250 To 500, Deduct	*-0.90*	
		For >500, Deduct	*-1.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0202	EA	1-1/2", One Hole Steel Conduit Strap	5.35	
		For Work In Restricted Working Space, Add	*1.21*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.11*	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.91*	
		For >500, Deduct	*-1.34*	
26 05 29 00-0203	EA	2", One Hole Steel Conduit Strap	6.26	
		For Work In Restricted Working Space, Add	*1.21*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.11*	
		For >50 To 100, Deduct	*-0.26*	
		For >100 To 250, Deduct	*-0.52*	
		For >250 To 500, Deduct	*-0.97*	
		For >500, Deduct	*-1.43*	
26 05 29 00-0204	EA	2-1/2", One Hole Steel Conduit Strap	7.19	
		For Work In Restricted Working Space, Add	*1.21*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.11*	
		For >50 To 100, Deduct	*-0.28*	
		For >100 To 250, Deduct	*-0.56*	
		For >250 To 500, Deduct	*-1.04*	
		For >500, Deduct	*-1.53*	
26 05 29 00-0205	EA	3", One Hole Steel Conduit Strap	7.50	
		For Work In Restricted Working Space, Add	*1.21*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.11*	
		For >50 To 100, Deduct	*-0.29*	
		For >100 To 250, Deduct	*-0.58*	
		For >250 To 500, Deduct	*-1.07*	
		For >500, Deduct	*-1.56*	
26 05 29 00-0206	EA	3-1/2", One Hole Steel Conduit Strap	9.02	
		For Work In Restricted Working Space, Add	*1.21*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.11*	
		For >50 To 100, Deduct	*-0.33*	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-1.18*	
		For >500, Deduct	*-1.71*	
26 05 29 00-0207	EA	4", One Hole Steel Conduit Strap	10.24	
		For Work In Restricted Working Space, Add	*1.21*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.11*	
		For >50 To 100, Deduct	*-0.36*	
		For >100 To 250, Deduct	*-0.71*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.83*	

26 05 29 00-0208 One Hole Iron Conduit Straps *(26 05 29 00-0196)*

26 05 29 00-0209	EA	1/2", One Hole Iron Conduit Strap	4.77	
		For Work In Restricted Working Space, Add	*1.21*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.11*	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.44*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.29*	
26 05 29 00-0210	EA	3/4", One Hole Iron Conduit Strap	4.92	
		For Work In Restricted Working Space, Add	*1.21*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.11*	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.87*	
		For >500, Deduct	*-1.30*	
26 05 29 00-0211	EA	1", One Hole Iron Conduit Strap	5.18	
		For Work In Restricted Working Space, Add	*1.21*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.11*	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.46*	
		For >250 To 500, Deduct	*-0.89*	
		For >500, Deduct	*-1.33*	
26 05 29 00-0212	EA	1-1/4", One Hole Iron Conduit Strap	5.81	
		For Work In Restricted Working Space, Add	*1.21*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.11*	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.49*	
		For >250 To 500, Deduct	*-0.94*	
		For >500, Deduct	*-1.39*	
26 05 29 00-0213	EA	1-1/2", One Hole Iron Conduit Strap	6.07	
		For Work In Restricted Working Space, Add	*1.21*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.11*	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.51*	
		For >250 To 500, Deduct	*-0.96*	
		For >500, Deduct	*-1.42*	
26 05 29 00-0214	EA	2", One Hole Iron Conduit Strap	7.67	
		For Work In Restricted Working Space, Add	*1.21*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.11*	
		For >50 To 100, Deduct	*-0.29*	
		For >100 To 250, Deduct	*-0.59*	
		For >250 To 500, Deduct	*-1.08*	
		For >500, Deduct	*-1.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0215	EA	2-1/2", One Hole Iron Conduit Strap	11.12	
		For Work In Restricted Working Space, Add	*1.21*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.11*	
		For >50 To 100, Deduct	*-0.38*	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.92*	
26 05 29 00-0216	EA	3", One Hole Iron Conduit Strap	14.00	
		For Work In Restricted Working Space, Add	*1.21*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.11*	
		For >50 To 100, Deduct	*-0.45*	
		For >100 To 250, Deduct	*-0.90*	
		For >250 To 500, Deduct	*-1.56*	
		For >500, Deduct	*-2.21*	
26 05 29 00-0217	EA	3-1/2", One Hole Iron Conduit Strap	18.21	
		For Work In Restricted Working Space, Add	*1.21*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.11*	
		For >50 To 100, Deduct	*-0.56*	
		For >100 To 250, Deduct	*-1.11*	
		For >250 To 500, Deduct	*-1.87*	
		For >500, Deduct	*-2.63*	
26 05 29 00-0218	EA	4", One Hole Iron Conduit Strap	35.05	
		For Work In Restricted Working Space, Add	*1.21*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.11*	
		For >50 To 100, Deduct	*-0.98*	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-3.13*	
		For >500, Deduct	*-4.31*	
26 05 29 00-0219	EA	5", One Hole Iron Conduit Strap	44.10	
		For Work In Restricted Working Space, Add	*1.21*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.11*	
		For >50 To 100, Deduct	*-1.20*	
		For >100 To 250, Deduct	*-2.41*	
		For >250 To 500, Deduct	*-3.81*	
		For >500, Deduct	*-5.22*	

26 05 29 00-0220 Two Hole Steel Conduit Straps *(26 05 29 00-0196)*

26 05 29 00-0221	EA	1/2", Two Hole Steel Conduit Strap	5.35	
		For Work In Restricted Working Space, Add	*1.36*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.34*	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.49*	
		For >250 To 500, Deduct	*-0.97*	
		For >500, Deduct	*-1.44*	
26 05 29 00-0222	EA	3/4", Two Hole Steel Conduit Strap	5.45	
		For Work In Restricted Working Space, Add	*1.36*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.34*	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.50*	
		For >250 To 500, Deduct	*-0.98*	
		For >500, Deduct	*-1.45*	
26 05 29 00-0223	EA	1", Two Hole Steel Conduit Strap	5.50	
		For Work In Restricted Working Space, Add	*1.36*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.34*	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.50*	
		For >250 To 500, Deduct	*-0.98*	
		For >500, Deduct	*-1.46*	
26 05 29 00-0224	EA	1-1/4", Two Hole Steel Conduit Strap	5.57	
		For Work In Restricted Working Space, Add	*1.36*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.34*	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.51*	
		For >250 To 500, Deduct	*-0.99*	
		For >500, Deduct	*-1.47*	
26 05 29 00-0225	EA	1-1/2", Two Hole Steel Conduit Strap	5.62	
		For Work In Restricted Working Space, Add	*1.36*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.34*	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.51*	
		For >250 To 500, Deduct	*-0.99*	
		For >500, Deduct	*-1.47*	
26 05 29 00-0226	EA	2", Two Hole Steel Conduit Strap	5.75	
		For Work In Restricted Working Space, Add	*1.36*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.34*	
		For >50 To 100, Deduct	*-0.26*	
		For >100 To 250, Deduct	*-0.51*	
		For >250 To 500, Deduct	*-1.00*	
		For >500, Deduct	*-1.48*	
26 05 29 00-0227	EA	2-1/2", Two Hole Steel Conduit Strap	6.44	
		For Work In Restricted Working Space, Add	*1.36*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.34*	
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 250, Deduct	*-0.55*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0228	EA	3", Two Hole Steel Conduit Strap	6.59	
		For Work In Restricted Working Space, Add	*1.36*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.34*	
		For >50 To 100, Deduct	*-0.28*	
		For >100 To 250, Deduct	*-0.56*	
		For >250 To 500, Deduct	*-1.06*	
		For >500, Deduct	*-1.57*	
26 05 29 00-0229	EA	3-1/2", Two Hole Steel Conduit Strap	7.13	
		For Work In Restricted Working Space, Add	*1.36*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.34*	
		For >50 To 100, Deduct	*-0.29*	
		For >100 To 250, Deduct	*-0.58*	
		For >250 To 500, Deduct	*-1.10*	
		For >500, Deduct	*-1.62*	
26 05 29 00-0230	EA	4", Two Hole Steel Conduit Strap	7.51	
		For Work In Restricted Working Space, Add	*1.36*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.34*	
		For >50 To 100, Deduct	*-0.30*	
		For >100 To 250, Deduct	*-0.60*	
		For >250 To 500, Deduct	*-1.13*	
		For >500, Deduct	*-1.66*	
26 05 29 00-0231	EA	5", Two Hole Steel Conduit Strap	8.00	
		For Work In Restricted Working Space, Add	*1.36*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.34*	
		For >50 To 100, Deduct	*-0.31*	
		For >100 To 250, Deduct	*-0.63*	
		For >250 To 500, Deduct	*-1.17*	
		For >500, Deduct	*-1.71*	

26 05 29 00-0232 Clamp Back Spacers *(26 05 29 00-0196)*

26 05 29 00-0233	EA	1/2" Conduit, Clamp Back Spacer	4.30	
		For Work In Restricted Working Space, Add	*0.95*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.89*	
		For >50 To 100, Deduct	*-0.19*	
		For >100 To 250, Deduct	*-0.37*	
		For >250 To 500, Deduct	*-0.72*	
		For >500, Deduct	*-1.06*	
26 05 29 00-0234	EA	3/4" Conduit, Clamp Back Spacer	4.68	
		For Work In Restricted Working Space, Add	*0.95*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.89*	
		For >50 To 100, Deduct	*-0.20*	
		For >100 To 250, Deduct	*-0.39*	
		For >250 To 500, Deduct	*-0.74*	
		For >500, Deduct	*-1.10*	
26 05 29 00-0235	EA	1" Conduit, Clamp Back Spacer	5.03	
		For Work In Restricted Working Space, Add	*0.95*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.89*	
		For >50 To 100, Deduct	*-0.20*	
		For >100 To 250, Deduct	*-0.41*	
		For >250 To 500, Deduct	*-0.77*	
		For >500, Deduct	*-1.13*	
26 05 29 00-0236	EA	1-1/4" Conduit, Clamp Back Spacer	6.42	
		For Work In Restricted Working Space, Add	*0.95*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.89*	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.48*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.27*	
26 05 29 00-0237	EA	1-1/2" Conduit, Clamp Back Spacer	7.53	
		For Work In Restricted Working Space, Add	*0.95*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.89*	
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 250, Deduct	*-0.53*	
		For >250 To 500, Deduct	*-0.96*	
		For >500, Deduct	*-1.38*	
26 05 29 00-0238	EA	2" Conduit, Clamp Back Spacer	8.70	
		For Work In Restricted Working Space, Add	*0.95*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.89*	
		For >50 To 100, Deduct	*-0.30*	
		For >100 To 250, Deduct	*-0.59*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.50*	
26 05 29 00-0239	EA	2-1/2" Conduit, Clamp Back Spacer	13.46	
		For Work In Restricted Working Space, Add	*0.95*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.89*	
		For >50 To 100, Deduct	*-0.42*	
		For >100 To 250, Deduct	*-0.83*	
		For >250 To 500, Deduct	*-1.40*	
		For >500, Deduct	*-1.98*	
26 05 29 00-0240	EA	3" Conduit, Clamp Back Spacer	19.14	
		For Work In Restricted Working Space, Add	*0.95*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.89*	
		For >50 To 100, Deduct	*-0.56*	
		For >100 To 250, Deduct	*-1.11*	
		For >250 To 500, Deduct	*-1.83*	
		For >500, Deduct	*-2.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0241	EA	3-1/2" Conduit, Clamp Back Spacer	24.66	
		For Work In Restricted Working Space, Add	*0.95*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.89*	
		For >50 To 100, Deduct	*-0.70*	
		For >100 To 250, Deduct	*-1.39*	
		For >250 To 500, Deduct	*-2.24*	
		For >500, Deduct	*-3.10*	
26 05 29 00-0242	EA	4" Conduit, Clamp Back Spacer	50.58	
		For Work In Restricted Working Space, Add	*0.95*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.89*	
		For >50 To 100, Deduct	*-1.34*	
		For >100 To 250, Deduct	*-2.69*	
		For >250 To 500, Deduct	*-4.19*	
		For >500, Deduct	*-5.69*	
26 05 29 00-0243	EA	5" Conduit, Clamp Back Spacer	94.33	
		For Work In Restricted Working Space, Add	*0.95*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.89*	
		For >50 To 100, Deduct	*-2.44*	
		For >100 To 250, Deduct	*-4.87*	
		For >250 To 500, Deduct	*-7.47*	
		For >500, Deduct	*-10.06*	

26 05 29 00-0244 Conduit Clips *(26 05 29 00-0196)*

Note: Push in or clip.

26 05 29 00-0245	EA	1/2" Conduit Clip	5.24	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.11*	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.46*	
		For >250 To 500, Deduct	*-0.90*	
		For >500, Deduct	*-1.33*	
26 05 29 00-0246	EA	3/4" Conduit Clip	5.24	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.11*	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.46*	
		For >250 To 500, Deduct	*-0.90*	
		For >500, Deduct	*-1.33*	
26 05 29 00-0247	EA	1" Conduit Clip	5.15	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.11*	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.46*	
		For >250 To 500, Deduct	*-0.89*	
		For >500, Deduct	*-1.32*	
26 05 29 00-0248	EA	1-1/4" Conduit Clip	5.37	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.11*	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.91*	
		For >500, Deduct	*-1.35*	

26 05 29 00-0249 Bolt And Nut Conduit Clips *(26 05 29 00-0196)*

26 05 29 00-0250	EA	3/4" Bolt And Nut Conduit Clip (Minerallac 1B)	6.50	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.36*	
		For >50 To 100, Deduct	*-0.29*	
		For >100 To 250, Deduct	*-0.58*	
		For >250 To 500, Deduct	*-1.12*	
		For >500, Deduct	*-1.66*	
26 05 29 00-0251	EA	1" Bolt And Nut Conduit Clip (Minerallac 2B)	6.73	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.36*	
		For >50 To 100, Deduct	*-0.29*	
		For >100 To 250, Deduct	*-0.59*	
		For >250 To 500, Deduct	*-1.13*	
		For >500, Deduct	*-1.68*	
26 05 29 00-0252	EA	1-1/4" Bolt And Nut Conduit Clip (Minerallac 2-1/2B)	7.18	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.44*	
		For >50 To 100, Deduct	*-0.31*	
		For >100 To 250, Deduct	*-0.63*	
		For >250 To 500, Deduct	*-1.21*	
		For >500, Deduct	*-1.79*	
26 05 29 00-0253	EA	1-1/2" Bolt And Nut Conduit Clip (Minerallac 3B)	7.31	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.44*	
		For >50 To 100, Deduct	*-0.32*	
		For >100 To 250, Deduct	*-0.63*	
		For >250 To 500, Deduct	*-1.22*	
		For >500, Deduct	*-1.80*	
26 05 29 00-0254	EA	2" Bolt And Nut Conduit Clip (Minerallac 5B)	8.19	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.44*	
		For >50 To 100, Deduct	*-0.34*	
		For >100 To 250, Deduct	*-0.68*	
		For >250 To 500, Deduct	*-1.28*	
		For >500, Deduct	*-1.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0255	EA	2-1/2" Bolt And Nut Conduit Clip (Minerallac 6B)	8.88	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.52*	
		For >50 To 100, Deduct	*-0.36*	
		For >100 To 250, Deduct	*-0.73*	
		For >250 To 500, Deduct	*-1.37*	
		For >500, Deduct	*-2.02*	
26 05 29 00-0256	EA	3" Bolt And Nut Conduit Clip (Minerallac 7B)	9.67	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.52*	
		For >50 To 100, Deduct	*-0.38*	
		For >100 To 250, Deduct	*-0.77*	
		For >250 To 500, Deduct	*-1.43*	
		For >500, Deduct	*-2.10*	
26 05 29 00-0257	EA	4" Bolt And Nut Conduit Clip (Minerallac 9B)	17.71	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.68*	
		For >50 To 100, Deduct	*-0.60*	
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-2.12*	
		For >500, Deduct	*-3.03*	

26 05 29 00-0258 Conduit Hanger From Flange, Wire Or Rod *(26 05 29 00-0196)*

Note: Bat wing.

26 05 29 00-0259	EA	1/2", Conduit Hanger From Flange, Wire Or Rod	3.78	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.86*	
		For >50 To 100, Deduct	*-0.17*	
		For >100 To 250, Deduct	*-0.34*	
		For >250 To 500, Deduct	*-0.66*	
		For >500, Deduct	*-0.98*	
26 05 29 00-0260	EA	3/4", Conduit Hanger From Flange, Wire Or Rod	3.84	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.86*	
		For >50 To 100, Deduct	*-0.17*	
		For >100 To 250, Deduct	*-0.34*	
		For >250 To 500, Deduct	*-0.67*	
		For >500, Deduct	*-0.99*	
26 05 29 00-0261	EA	1", Conduit Hanger From Flange, Wire Or Rod	4.02	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.86*	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.68*	
		For >500, Deduct	*-1.01*	
26 05 29 00-0262	EA	1-1/4", Conduit Hanger From Flange, Wire Or Rod	4.46	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.86*	
		For >50 To 100, Deduct	*-0.19*	
		For >100 To 250, Deduct	*-0.37*	
		For >250 To 500, Deduct	*-0.71*	
		For >500, Deduct	*-1.05*	

26 05 29 00-0263 Beam Flange Clamps *(26 05 29 00-0196)*

Note: For threaded rod, nut not required.

26 05 29 00-0264	EA	1/8" To 1/4" Flange Thickness, Beam Clamp (Caddy 6TA24)	5.64	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.44*	
		For >250 To 500, Deduct	*-0.82*	
		For >500, Deduct	*-1.19*	
26 05 29 00-0265	EA	5/16" To 1/2" Flange Thickness, Beam Clamp (Caddy 6TA58)	5.52	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.43*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-1.18*	
26 05 29 00-0266	EA	9/16" To 3/4" Flange Thickness, Beam Clamp (Caddy 6TA912)	6.21	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.25*	

26 05 29 00-0267 T-Bar Support Clips *(26 05 29 00-0196)*

26 05 29 00-0268	EA	9/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS95)	9.31	
		For >50 To 100, Deduct	*-0.39*	
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-1.49*	
		For >500, Deduct	*-2.19*	
26 05 29 00-0269	EA	15/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS)	8.78	
		For >50 To 100, Deduct	*-0.38*	
		For >100 To 250, Deduct	*-0.75*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-2.14*	
26 05 29 00-0270	EA	15/16 Grid Size, Twist On T-Bar Support Clip (Caddy 4G16)	3.42	
		For >50 To 100, Deduct	*-0.12*	
		For >100 To 250, Deduct	*-0.25*	
		For >250 To 500, Deduct	*-0.45*	
		For >500, Deduct	*-0.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0271	EA	24" Long Snap On T-Bar Electrical Box Hanger (Caddy 512)	29.13	
		For >50 To 100, Deduct	*-0.79*	
		For >100 To 250, Deduct	*-1.58*	
		For >250 To 500, Deduct	*-2.50*	
		For >500, Deduct	*-3.42*	

26 05 29 00-0272 Switch And Outlet Box Type Supports *(26 05 29 00-0196)*

26 05 29 00-0273	EA	1/4" To 3/4" Drywall Thickness, Adjustable Switch And Outlet Box Support (Caddy MFS)	7.07	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.48*	
		For >250 To 500, Deduct	*-0.85*	
		For >500, Deduct	*-1.21*	
26 05 29 00-0274	EA	1/2" Drywall Thickness, Riveted Switch And Outlet Box Support (Caddy MF500)	5.95	
		For >50 To 100, Deduct	*-0.21*	
		For >100 To 250, Deduct	*-0.42*	
		For >250 To 500, Deduct	*-0.76*	
		For >500, Deduct	*-1.10*	
26 05 29 00-0275	EA	Flush, Riveted Switch And Outlet Box Support (Caddy MFO)	6.91	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.83*	
		For >500, Deduct	*-1.20*	
26 05 29 00-0276	EA	Snap On, Switch And Outlet Box Support (Caddy MSF)	4.36	
		For >50 To 100, Deduct	*-0.17*	
		For >100 To 250, Deduct	*-0.34*	
		For >250 To 500, Deduct	*-0.64*	
		For >500, Deduct	*-0.94*	
26 05 29 00-0277	EA	1/4-20 Thread Impression, Switch And Outlet Box Support (Caddy MFI)	4.56	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.66*	
		For >500, Deduct	*-0.96*	

26 05 29 00-0278 Lighting Fixture Hanger *(26 05 29 00-0196)*

Note: For existing or owner furnished fixtures.

26 05 29 00-0279	EA	Lay-In/Troffer, Straight Lip Type Fixture Support Clip (Caddy 515)	6.13	
		For >50 To 100, Deduct	*-0.28*	
		For >100 To 250, Deduct	*-0.56*	
		For >250 To 500, Deduct	*-1.09*	
		For >500, Deduct	*-1.62*	
26 05 29 00-0280	PR	Support Bars For Recessed "High Hat" Light Fixtures (Caddy 517)	22.73	
		For >50 To 100, Deduct	*-0.69*	
		For >100 To 250, Deduct	*-1.39*	
		For >250 To 500, Deduct	*-2.33*	
		For >500, Deduct	*-3.28*	
26 05 29 00-0281	PR	Support Bars For Recessed "Lightolier" Light Fixtures (Caddy 520)	31.45	
		For >50 To 100, Deduct	*-0.91*	
		For >100 To 250, Deduct	*-1.82*	
		For >250 To 500, Deduct	*-2.99*	
		For >500, Deduct	*-4.15*	

26 05 29 00-0282 Rigid Steel Conduit Clamps For Unistrut Channel *(26 05 29 00-0196)*

26 05 29 00-0283	EA	1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	5.54	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.89*	
		For >500, Deduct	*-1.31*	
		For Work In Restricted Working Space, Add	*1.13*	
26 05 29 00-0284	EA	3/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	5.57	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.89*	
		For >500, Deduct	*-1.31*	
		For Work In Restricted Working Space, Add	*1.13*	
26 05 29 00-0285	EA	1" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	5.71	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.90*	
		For >500, Deduct	*-1.33*	
		For Work In Restricted Working Space, Add	*1.13*	
26 05 29 00-0286	EA	1-1/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	7.16	
		For >50 To 100, Deduct	*-0.31*	
		For >100 To 250, Deduct	*-0.61*	
		For >250 To 500, Deduct	*-1.17*	
		For >500, Deduct	*-1.72*	
		For Work In Restricted Working Space, Add	*1.51*	
26 05 29 00-0287	EA	1-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	7.88	
		For >50 To 100, Deduct	*-0.32*	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-1.22*	
		For >500, Deduct	*-1.80*	
		For Work In Restricted Working Space, Add	*1.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0288	EA	2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	7.95	
		For >50 To 100, Deduct	*-0.32*	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-1.23*	
		For >500, Deduct	*-1.80*	
		For Work In Restricted Working Space, Add	*1.51*	
26 05 29 00-0289	EA	2-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	9.73	
		For >50 To 100, Deduct	*-0.40*	
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.52*	
		For >500, Deduct	*-2.23*	
		For Work In Restricted Working Space, Add	*1.89*	
26 05 29 00-0290	EA	3" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	10.36	
		For >50 To 100, Deduct	*-0.42*	
		For >100 To 250, Deduct	*-0.83*	
		For >250 To 500, Deduct	*-1.56*	
		For >500, Deduct	*-2.30*	
		For Work In Restricted Working Space, Add	*1.89*	
26 05 29 00-0291	EA	3-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	10.97	
		For >50 To 100, Deduct	*-0.43*	
		For >100 To 250, Deduct	*-0.86*	
		For >250 To 500, Deduct	*-1.61*	
		For >500, Deduct	*-2.36*	
		For Work In Restricted Working Space, Add	*1.89*	
26 05 29 00-0292	EA	4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	11.19	
		For >50 To 100, Deduct	*-0.44*	
		For >100 To 250, Deduct	*-0.87*	
		For >250 To 500, Deduct	*-1.63*	
		For >500, Deduct	*-2.38*	
		For Work In Restricted Working Space, Add	*1.89*	

26 05 29 00-0293 Electrical Metallic Tubing (EMT) Conduit Clamps For Unistrut Channel *(26 05 29 00-0196)*

26 05 29 00-0294	EA	1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	6.01	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.49*	
		For >250 To 500, Deduct	*-0.92*	
		For >500, Deduct	*-1.36*	
		For Work In Restricted Working Space, Add	*1.13*	
26 05 29 00-0295	EA	3/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	5.95	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.49*	
		For >250 To 500, Deduct	*-0.92*	
		For >500, Deduct	*-1.35*	
		For Work In Restricted Working Space, Add	*1.13*	
26 05 29 00-0296	EA	1" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	5.88	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.48*	
		For >250 To 500, Deduct	*-0.91*	
		For >500, Deduct	*-1.34*	
		For Work In Restricted Working Space, Add	*1.13*	
26 05 29 00-0297	EA	1-1/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	7.73	
		For >50 To 100, Deduct	*-0.32*	
		For >100 To 250, Deduct	*-0.64*	
		For >250 To 500, Deduct	*-1.21*	
		For >500, Deduct	*-1.78*	
		For Work In Restricted Working Space, Add	*1.51*	
26 05 29 00-0298	EA	1-1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	8.98	
		For >50 To 100, Deduct	*-0.35*	
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-1.30*	
		For >500, Deduct	*-1.91*	
		For Work In Restricted Working Space, Add	*1.51*	
26 05 29 00-0299	EA	2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	9.05	
		For >50 To 100, Deduct	*-0.35*	
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-1.31*	
		For >500, Deduct	*-1.91*	
		For Work In Restricted Working Space, Add	*1.51*	

26 05 29 00-0300 "J" Type Conduit Hangers *(26 05 29 00-0196)*

26 05 29 00-0301	EA	1/2", "J" Type Conduit Hanger (Unistrut J1205)	27.14	
		For >50 To 100, Deduct	*-0.90*	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-3.14*	
		For >500, Deduct	*-4.48*	
		For Work In Restricted Working Space, Add	*2.65*	
26 05 29 00-0302	EA	3/4", "J" Type Conduit Hanger (Unistrut J1207)	27.46	
		For >50 To 100, Deduct	*-0.91*	
		For >100 To 250, Deduct	*-1.81*	
		For >250 To 500, Deduct	*-3.16*	
		For >500, Deduct	*-4.51*	
		For Work In Restricted Working Space, Add	*2.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0303	EA	1", "J" Type Conduit Hanger (Unistrut J1210)	29.01	
		For >50 To 100, Deduct	*-0.98*	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-3.44*	
		For >500, Deduct	*-4.92*	
		For Work In Restricted Working Space, Add	*3.02*	
26 05 29 00-0304	EA	1-1/4", "J" Type Conduit Hanger (Unistrut J1212)	29.35	
		For >50 To 100, Deduct	*-0.99*	
		For >100 To 250, Deduct	*-1.97*	
		For >250 To 500, Deduct	*-3.46*	
		For >500, Deduct	*-4.95*	
		For Work In Restricted Working Space, Add	*3.02*	
26 05 29 00-0305	EA	1-1/2", "J" Type Conduit Hanger (Unistrut J1215)	30.84	
		For >50 To 100, Deduct	*-1.05*	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-3.73*	
		For >500, Deduct	*-5.35*	
		For Work In Restricted Working Space, Add	*3.40*	
26 05 29 00-0306	EA	2", "J" Type Conduit Hanger (Unistrut J1220)	32.14	
		For >50 To 100, Deduct	*-1.09*	
		For >100 To 250, Deduct	*-2.17*	
		For >250 To 500, Deduct	*-3.83*	
		For >500, Deduct	*-5.48*	
		For Work In Restricted Working Space, Add	*3.40*	
26 05 29 00-0307	EA	2-1/2", "J" Type Conduit Hanger (Unistrut J1225)	51.99	
		For >50 To 100, Deduct	*-1.62*	
		For >100 To 250, Deduct	*-3.23*	
		For >250 To 500, Deduct	*-5.48*	
		For >500, Deduct	*-7.72*	
		For Work In Restricted Working Space, Add	*3.78*	
26 05 29 00-0308	EA	3", "J" Type Conduit Hanger (Unistrut J1230)	55.22	
		For >50 To 100, Deduct	*-1.73*	
		For >100 To 250, Deduct	*-3.45*	
		For >250 To 500, Deduct	*-5.88*	
		For >500, Deduct	*-8.30*	
		For Work In Restricted Working Space, Add	*4.16*	
26 05 29 00-0309	EA	3-1/2", "J" Type Conduit Hanger (Unistrut J1235)	59.42	
		For >50 To 100, Deduct	*-1.86*	
		For >100 To 250, Deduct	*-3.73*	
		For >250 To 500, Deduct	*-6.35*	
		For >500, Deduct	*-8.97*	
		For Work In Restricted Working Space, Add	*4.54*	
26 05 29 00-0310	EA	4", "J" Type Conduit Hanger (Unistrut J1240)	79.58	
		For >50 To 100, Deduct	*-2.37*	
		For >100 To 250, Deduct	*-4.74*	
		For >250 To 500, Deduct	*-7.86*	
		For >500, Deduct	*-10.98*	
		For Work In Restricted Working Space, Add	*4.54*	
26 05 29 00-0311	EA	5", "J" Type Conduit Hanger (Unistrut J1250)	87.45	
		For >50 To 100, Deduct	*-2.60*	
		For >100 To 250, Deduct	*-5.19*	
		For >250 To 500, Deduct	*-8.61*	
		For >500, Deduct	*-12.02*	
		For Work In Restricted Working Space, Add	*4.91*	
26 05 29 00-0312	EA	6", "J" Type Conduit Hanger (Unistrut J1260)	123.77	
		For >50 To 100, Deduct	*-3.57*	
		For >100 To 250, Deduct	*-7.13*	
		For >250 To 500, Deduct	*-11.65*	
		For >500, Deduct	*-16.16*	
		For Work In Restricted Working Space, Add	*5.67*	

26 05 29 00-0313 Between Studs Box Brackets *(26 05 29 00-0196)*

26 05 29 00-0314	EA	16" Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB16A)	9.72	
		For >50 To 100, Deduct	*-0.34*	
		For >100 To 250, Deduct	*-0.68*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.73*	
		For Work In Restricted Working Space, Add	*1.13*	
26 05 29 00-0315	EA	24" Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB24A)	11.77	
		For >50 To 100, Deduct	*-0.39*	
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-1.36*	
		For >500, Deduct	*-1.93*	
		For Work In Restricted Working Space, Add	*1.13*	

26 05 29 00-0316 Hangers And Brackets *(26 05 29 00-0196)*

26 05 29 00-0317	EA	Rod Hangers Only With 1/4" Thread Impression (Caddy 4TI)	3.31	
		For >50 To 100, Deduct	*-0.15*	
		For >100 To 250, Deduct	*-0.29*	
		For >250 To 500, Deduct	*-0.56*	
		For >500, Deduct	*-0.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0318	EA	Angle Bracket Only With 1/4" Hole (Caddy AB)	3.19	
		For >50 To 100, Deduct	*-0.14*	
		For >100 To 250, Deduct	*-0.29*	
		For >250 To 500, Deduct	*-0.56*	
		For >500, Deduct	*-0.83*	
26 05 29 00-0319	EA	Offset Bracket Only With 1/4" Hole (Caddy AO)	3.19	
		For >50 To 100, Deduct	*-0.14*	
		For >100 To 250, Deduct	*-0.29*	
		For >250 To 500, Deduct	*-0.56*	
		For >500, Deduct	*-0.83*	
26 05 29 00-0320	EA	Angle Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIB)	4.42	
		For >50 To 100, Deduct	*-0.17*	
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.65*	
		For >500, Deduct	*-0.95*	
26 05 29 00-0321	EA	Angle Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIB)	4.45	
		For >50 To 100, Deduct	*-0.17*	
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.65*	
		For >500, Deduct	*-0.95*	
26 05 29 00-0322	EA	Angle Bracket Mount, 1/4" Or 3/8" Threaded Rod Hanger With Nut (Caddy 6TB)	4.31	
		For >50 To 100, Deduct	*-0.17*	
		For >100 To 250, Deduct	*-0.34*	
		For >250 To 500, Deduct	*-0.64*	
		For >500, Deduct	*-0.94*	
26 05 29 00-0323	EA	Offset Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIO)	4.42	
		For >50 To 100, Deduct	*-0.17*	
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.65*	
		For >500, Deduct	*-0.95*	
26 05 29 00-0324	EA	Offset Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIO)	4.45	
		For >50 To 100, Deduct	*-0.17*	
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.65*	
		For >500, Deduct	*-0.95*	

26 05 29 00-0325 Clips And Accessories *(26 05 29 00-0196)*

26 05 29 00-0326	EA	1/2" Diameter Center, Bridle Ring (Caddy 2BR)	2.25	
		For >50 To 100, Deduct	*-0.10*	
		For >100 To 250, Deduct	*-0.19*	
		For >250 To 500, Deduct	*-0.37*	
		For >500, Deduct	*-0.54*	
26 05 29 00-0327	EA	3/4" Diameter Center, Bridle Ring (Caddy 2BR12)	2.30	
		For >50 To 100, Deduct	*-0.10*	
		For >100 To 250, Deduct	*-0.19*	
		For >250 To 500, Deduct	*-0.37*	
		For >500, Deduct	*-0.54*	
26 05 29 00-0328	EA	1-1/4" Diameter Center, Bridle Ring (Caddy 2BR20)	2.48	
		For >50 To 100, Deduct	*-0.10*	
		For >100 To 250, Deduct	*-0.20*	
		For >250 To 500, Deduct	*-0.38*	
		For >500, Deduct	*-0.56*	
26 05 29 00-0329	EA	2" Diameter Center, Bridle Ring (Caddy 2BR32)	2.87	
		For >50 To 100, Deduct	*-0.11*	
		For >100 To 250, Deduct	*-0.22*	
		For >250 To 500, Deduct	*-0.41*	
		For >500, Deduct	*-0.60*	

26 05 29 00-0330 Wire Ties *(26 05 29 00-0196)*

Note: Per hundred (C).

26 05 29 00-0331	C	3" Length, 18 Lb. Tensile Strength, Nylon Cable Ties	32.20	
		For Up To 0.1, Add	*26.31*	
		For >0.1 To 0.25, Add	*13.16*	
		For >0.25 To 0.75, Add	*6.58*	
		For >2.0, Deduct	*-2.63*	
		For UV Black, Add	*0.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.89*	
26 05 29 00-0332	C	4" Length, 18 Lb. Tensile Strength, Nylon Cable Ties	32.43	
		For Up To 0.1, Add	*26.31*	
		For >0.1 To 0.25, Add	*13.16*	
		For >0.25 To 0.75, Add	*6.58*	
		For >2.0, Deduct	*-2.63*	
		For UV Black, Add	*0.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.89*	
26 05 29 00-0333	C	4-3/4" Length, 18 Lb. Tensile Strength, Nylon Cable Ties	32.59	
		For Up To 0.1, Add	*26.31*	
		For >0.1 To 0.25, Add	*13.16*	
		For >0.25 To 0.75, Add	*6.58*	
		For >2.0, Deduct	*-2.63*	
		For UV Black, Add	*0.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0334	C	5-1/2" Length, 18 Lb. Tensile Strength, Nylon Cable Ties	32.66	
		For Up To 0.1, Add	*26.31*	
		For >0.1 To 0.25, Add	*13.16*	
		For >0.25 To 0.75, Add	*6.58*	
		For >2.0, Deduct	*-2.63*	
		For UV Black, Add	*0.95*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.89*	
26 05 29 00-0335	C	6-1/2" Length, 18 Lb. Tensile Strength, Nylon Cable Ties	33.87	
		For Up To 0.1, Add	*27.45*	
		For >0.1 To 0.25, Add	*13.73*	
		For >0.25 To 0.75, Add	*6.86*	
		For >2.0, Deduct	*-2.75*	
		For UV Black, Add	*0.96*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.24*	
26 05 29 00-0336	C	8" Length, 18 Lb. Tensile Strength, Nylon Cable Ties	40.09	
		For Up To 0.1, Add	*28.70*	
		For >0.1 To 0.25, Add	*14.35*	
		For >0.25 To 0.75, Add	*7.18*	
		For >2.0, Deduct	*-2.87*	
		For UV Black, Add	*1.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.61*	
26 05 29 00-0337	C	4-3/4" Length, 40 Lb. Tensile Strength, Nylon Cable Ties	38.52	
		For Up To 0.1, Add	*26.31*	
		For >0.1 To 0.25, Add	*13.16*	
		For >0.25 To 0.75, Add	*6.58*	
		For >2.0, Deduct	*-2.63*	
		For UV Black, Add	*1.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.89*	
26 05 29 00-0338	C	6" Length, 40 Lb. Tensile Strength, Nylon Cable Ties	39.76	
		For Up To 0.1, Add	*27.45*	
		For >0.1 To 0.25, Add	*13.73*	
		For >0.25 To 0.75, Add	*6.86*	
		For >2.0, Deduct	*-2.75*	
		For UV Black, Add	*1.85*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.24*	
26 05 29 00-0339	C	8" Length, 40 Lb. Tensile Strength, Nylon Cable Ties	41.07	
		For Up To 0.1, Add	*28.70*	
		For >0.1 To 0.25, Add	*14.35*	
		For >0.25 To 0.75, Add	*7.18*	
		For >2.0, Deduct	*-2.87*	
		For UV Black, Add	*1.86*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.61*	
26 05 29 00-0340	C	10" Length, 40 Lb. Tensile Strength, Nylon Cable Ties	59.48	
		For Up To 0.1, Add	*30.94*	
		For >0.1 To 0.25, Add	*15.47*	
		For >0.25 To 0.75, Add	*7.74*	
		For >2.0, Deduct	*-3.09*	
		For UV Black, Add	*4.28*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.28*	
26 05 29 00-0341	C	11-1/2" Length, 40 Lb. Tensile Strength, Nylon Cable Ties	62.06	
		For Up To 0.1, Add	*30.94*	
		For >0.1 To 0.25, Add	*15.47*	
		For >0.25 To 0.75, Add	*7.74*	
		For >2.0, Deduct	*-3.09*	
		For UV Black, Add	*4.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.28*	
26 05 29 00-0342	C	7" Length, 50 Lb. Tensile Strength, Nylon Cable Ties	42.88	
		For Up To 0.1, Add	*28.70*	
		For >0.1 To 0.25, Add	*14.35*	
		For >0.25 To 0.75, Add	*7.18*	
		For >2.0, Deduct	*-2.87*	
		For UV Black, Add	*2.13*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.61*	
26 05 29 00-0343	C	8" Length, 50 Lb. Tensile Strength, Nylon Cable Ties	40.59	
		For Up To 0.1, Add	*28.70*	
		For >0.1 To 0.25, Add	*14.35*	
		For >0.25 To 0.75, Add	*7.18*	
		For >2.0, Deduct	*-2.87*	
		For UV Black, Add	*1.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.61*	
26 05 29 00-0344	C	11" Length, 50 Lb. Tensile Strength, Nylon Cable Ties	60.19	
		For Up To 0.1, Add	*30.94*	
		For >0.1 To 0.25, Add	*15.47*	
		For >0.25 To 0.75, Add	*7.74*	
		For >2.0, Deduct	*-3.09*	
		For UV Black, Add	*4.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.28*	
26 05 29 00-0345	C	14-1/2" Length, 50 Lb. Tensile Strength, Nylon Cable Ties	68.84	
		For Up To 0.1, Add	*32.88*	
		For >0.1 To 0.25, Add	*16.44*	
		For >0.25 To 0.75, Add	*8.22*	
		For >2.0, Deduct	*-3.29*	
		For UV Black, Add	*5.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.86*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0346		C	8" Length, 120 Lb. Tensile Strength, Nylon Cable Ties	67.28	
			For Up To 0.1, Add	*28.70*	
			For >0.1 To 0.25, Add	*14.35*	
			For >0.25 To 0.75, Add	*7.18*	
			For >2.0, Deduct	*-2.87*	
			For UV Black, Add	*5.79*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.61*	
26 05 29 00-0347		C	11" Length, 120 Lb. Tensile Strength, Nylon Cable Ties	73.65	
			For Up To 0.1, Add	*30.94*	
			For >0.1 To 0.25, Add	*15.47*	
			For >0.25 To 0.75, Add	*7.74*	
			For >2.0, Deduct	*-3.09*	
			For UV Black, Add	*6.41*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.28*	
26 05 29 00-0348		C	15" Length, 120 Lb. Tensile Strength, Nylon Cable Ties	89.06	
			For Up To 0.1, Add	*32.88*	
			For >0.1 To 0.25, Add	*16.44*	
			For >0.25 To 0.75, Add	*8.22*	
			For >2.0, Deduct	*-3.29*	
			For UV Black, Add	*8.43*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.86*	
26 05 29 00-0349		C	17" Length, 120 Lb. Tensile Strength, Nylon Cable Ties	127.12	
			For Up To 0.1, Add	*35.07*	
			For >0.1 To 0.25, Add	*17.54*	
			For >0.25 To 0.75, Add	*8.77*	
			For >2.0, Deduct	*-3.51*	
			For UV Black, Add	*13.81*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.52*	
26 05 29 00-0350		C	17-3/4" Length, 175 Lb. Tensile Strength, Nylon Cable Ties	123.19	
			For Up To 0.1, Add	*35.07*	
			For >0.1 To 0.25, Add	*17.54*	
			For >0.25 To 0.75, Add	*8.77*	
			For >2.0, Deduct	*-3.51*	
			For UV Black, Add	*13.22*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.52*	
26 05 29 00-0351		C	21-11/16" Length, 175 Lb. Tensile Strength, Nylon Cable Ties	149.95	
			For Up To 0.1, Add	*36.71*	
			For >0.1 To 0.25, Add	*18.36*	
			For >0.25 To 0.75, Add	*9.18*	
			For >2.0, Deduct	*-3.67*	
			For UV Black, Add	*16.99*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.01*	
26 05 29 00-0352		C	30" Length, 175 Lb. Tensile Strength, Nylon Cable Ties	173.46	
			For Up To 0.1, Add	*38.49*	
			For >0.1 To 0.25, Add	*19.25*	
			For >0.25 To 0.75, Add	*9.62*	
			For >2.0, Deduct	*-3.85*	
			For UV Black, Add	*20.25*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.55*	
26 05 29 00-0353		C	46" Length, 175 Lb. Tensile Strength, Nylon Cable Ties	237.64	
			For Up To 0.1, Add	*41.53*	
			For >0.1 To 0.25, Add	*20.77*	
			For >0.25 To 0.75, Add	*10.38*	
			For >2.0, Deduct	*-4.15*	
			For UV Black, Add	*29.42*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.46*	
26 05 29 00-0354		C	3/4" x 3/4" Self Adhesive Tie Mounts	42.34	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.84*	
26 05 29 00-0355		C	1.1" x 1.1" Tie Mounts With Screw	83.93	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.67*	
26 05 29 00-0356		EA	6" Length x 1/2" Width, Velcro Grip Cable Tie	2.48	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.19*	
26 05 29 00-0357		EA	8" Length x 1/2" Width, Velcro Grip Cable Tie	2.48	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.16*	
26 05 29 00-0358		EA	12" Length x 1/2" Width, Velcro Grip Cable Tie	3.05	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.16*	
26 05 29 00-0359		EA	15" Length x 3/4" Width, Velcro Grip Cable Tie	4.29	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.16*	
26 05 29 00-0360		EA	180" Length x 3/4" Width, Velcro Grip Cable Tie Roll Note: Cut to length.	110.21	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.18*	

26 05 29 00-0361 Fastening Devices For Wireway And Conduit *(26 05 29)*

Note: Includes drilling of holes with power tools in concrete, brick, concrete block, wood, tile or steel and alignment of hangers and supports for bolts.

26 05 29 00-0362 Toggle Bolts *(26 05 29 00-0361)*

Note: Includes machine screw, toggle wing and drilling in concrete, concrete block, wood or steel.

26 05 29 00-0363		EA	1/8" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt	9.83	
			For >50 To 100, Deduct	*-0.94*	
			For >100 To 250, Deduct	*-1.87*	
			For >250 To 500, Deduct	*-3.27*	
			For >500, Deduct	*-4.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0364	EA	1/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	10.10	
		For >50 To 100, Deduct	*-0.96*	
		For >100 To 250, Deduct	*-1.92*	
		For >250 To 500, Deduct	*-3.35*	
		For >500, Deduct	*-4.79*	
26 05 29 00-0365	EA	3/16" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt	10.66	
		For >50 To 100, Deduct	*-0.99*	
		For >100 To 250, Deduct	*-1.98*	
		For >250 To 500, Deduct	*-3.46*	
		For >500, Deduct	*-4.93*	
26 05 29 00-0366	EA	3/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	10.93	
		For >50 To 100, Deduct	*-1.02*	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-3.54*	
		For >500, Deduct	*-5.05*	
26 05 29 00-0367	EA	1/4" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	11.18	
		For >50 To 100, Deduct	*-1.04*	
		For >100 To 250, Deduct	*-2.08*	
		For >250 To 500, Deduct	*-3.62*	
		For >500, Deduct	*-5.17*	
26 05 29 00-0368	EA	5/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	12.74	
		For >50 To 100, Deduct	*-1.10*	
		For >100 To 250, Deduct	*-2.19*	
		For >250 To 500, Deduct	*-3.81*	
		For >500, Deduct	*-5.42*	
26 05 29 00-0369	EA	3/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	13.27	
		For >50 To 100, Deduct	*-1.13*	
		For >100 To 250, Deduct	*-2.25*	
		For >250 To 500, Deduct	*-3.91*	
		For >500, Deduct	*-5.57*	

26 05 29 00-0370 Machine Screws *(26 05 29 00-0361)*

Note: Includes drilling in concrete, concrete block, wood or steel.

26 05 29 00-0371	EA	#8 Diameter, 2" Length, Zinc Plated Steel, Machine Screw	2.90	
		For >50 To 100, Deduct	*-0.28*	
		For >100 To 250, Deduct	*-0.57*	
		For >250 To 500, Deduct	*-0.99*	
		For >500, Deduct	*-1.41*	
26 05 29 00-0372	EA	#10 Diameter, 2" Length, Zinc Plated Steel, Machine Screw	2.95	
		For >50 To 100, Deduct	*-0.28*	
		For >100 To 250, Deduct	*-0.57*	
		For >250 To 500, Deduct	*-0.99*	
		For >500, Deduct	*-1.42*	
26 05 29 00-0373	EA	1/4" Diameter, 2" Length, Zinc Plated Steel, Machine Screw	3.70	
		For >50 To 100, Deduct	*-0.36*	
		For >100 To 250, Deduct	*-0.71*	
		For >250 To 500, Deduct	*-1.24*	
		For >500, Deduct	*-1.77*	
26 05 29 00-0374	EA	5/16" Diameter, 2" Length, Zinc Plated Steel, Machine Screw	3.88	
		For >50 To 100, Deduct	*-0.36*	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-1.26*	
		For >500, Deduct	*-1.79*	
26 05 29 00-0375	EA	3/8" Diameter, 2" Length, Zinc Plated Steel, Machine Screw	4.79	
		For >50 To 100, Deduct	*-0.43*	
		For >100 To 250, Deduct	*-0.87*	
		For >250 To 500, Deduct	*-1.51*	
		For >500, Deduct	*-2.16*	

26 05 29 00-0376 Hex Lag Bolts With Lag Shield Expansion Anchors *(26 05 29 00-0361)*

Note: Includes lag bolt, lag shield expansion anchor and drilling in concrete, concrete block, wood or steel.

26 05 29 00-0377	EA	1/4" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	4.81	
		For >50 To 100, Deduct	*-0.38*	
		For >100 To 250, Deduct	*-0.77*	
		For >250 To 500, Deduct	*-1.33*	
		For >500, Deduct	*-1.89*	
26 05 29 00-0378	EA	5/16" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	4.74	
		For >50 To 100, Deduct	*-0.38*	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-1.32*	
		For >500, Deduct	*-1.88*	
26 05 29 00-0379	EA	3/8" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	6.77	
		For >50 To 100, Deduct	*-0.48*	
		For >100 To 250, Deduct	*-0.97*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-2.35*	
26 05 29 00-0380	EA	1/2" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	8.67	
		For >50 To 100, Deduct	*-0.58*	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.99*	
		For >500, Deduct	*-2.82*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0381			**Hanger Lag Bolts With Hex Nuts** *(26 05 29 00-0361)* Note: Includes hanger lag bolt (threaded one side), hex nut and drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0382		EA	1/4" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut	3.58	
			For >50 To 100, Deduct	*-0.30*	
			For >100 To 250, Deduct	*-0.60*	
			For >250 To 500, Deduct	*-1.04*	
			For >500, Deduct	*-1.48*	
26 05 29 00-0383		EA	5/16" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut	3.64	
			For >50 To 100, Deduct	*-0.30*	
			For >100 To 250, Deduct	*-0.60*	
			For >250 To 500, Deduct	*-1.04*	
			For >500, Deduct	*-1.48*	
26 05 29 00-0384		EA	3/8" Diameter, 2-1/2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut	4.32	
			For >50 To 100, Deduct	*-0.34*	
			For >100 To 250, Deduct	*-0.68*	
			For >250 To 500, Deduct	*-1.18*	
			For >500, Deduct	*-1.68*	
26 05 29 00-0385			**Hollow Wall Screw Anchors** *(26 05 29 00-0361)*		
26 05 29 00-0386		EA	6-32 Screw Size, 5/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.11	
			For >50 To 100, Deduct	*-0.18*	
			For >100 To 250, Deduct	*-0.36*	
			For >250 To 500, Deduct	*-0.62*	
			For >500, Deduct	*-0.88*	
26 05 29 00-0387		EA	6-32 Screw Size, 5/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.18	
			For >50 To 100, Deduct	*-0.18*	
			For >100 To 250, Deduct	*-0.36*	
			For >250 To 500, Deduct	*-0.63*	
			For >500, Deduct	*-0.89*	
26 05 29 00-0388		EA	6-32 Screw Size, 5/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.28	
			For >50 To 100, Deduct	*-0.18*	
			For >100 To 250, Deduct	*-0.37*	
			For >250 To 500, Deduct	*-0.63*	
			For >500, Deduct	*-0.90*	
26 05 29 00-0389		EA	10-24 Screw Size, 3/8" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.90	
			For >50 To 100, Deduct	*-0.22*	
			For >100 To 250, Deduct	*-0.44*	
			For >250 To 500, Deduct	*-0.75*	
			For >500, Deduct	*-1.07*	
26 05 29 00-0390		EA	10-24 Screw Size, 3/8" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	3.05	
			For >50 To 100, Deduct	*-0.22*	
			For >100 To 250, Deduct	*-0.45*	
			For >250 To 500, Deduct	*-0.77*	
			For >500, Deduct	*-1.09*	
26 05 29 00-0391		EA	10-24 Screw Size, 3/8" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	3.09	
			For >50 To 100, Deduct	*-0.22*	
			For >100 To 250, Deduct	*-0.45*	
			For >250 To 500, Deduct	*-0.77*	
			For >500, Deduct	*-1.09*	
26 05 29 00-0392		EA	1/4-20 Screw Size, 7/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	3.12	
			For >50 To 100, Deduct	*-0.22*	
			For >100 To 250, Deduct	*-0.45*	
			For >250 To 500, Deduct	*-0.77*	
			For >500, Deduct	*-1.09*	
26 05 29 00-0393		EA	1/4-20 Screw Size, 7/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	3.34	
			For >50 To 100, Deduct	*-0.23*	
			For >100 To 250, Deduct	*-0.46*	
			For >250 To 500, Deduct	*-0.79*	
			For >500, Deduct	*-1.11*	
26 05 29 00-0394		EA	1/4-20 Screw Size, 7/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	3.42	
			For >50 To 100, Deduct	*-0.23*	
			For >100 To 250, Deduct	*-0.46*	
			For >250 To 500, Deduct	*-0.79*	
			For >500, Deduct	*-1.12*	
26 05 29 00-0395			**Lead Screw Anchors** *(26 05 29 00-0361)* Note: Includes screw.		
26 05 29 00-0396		EA	#6-8 Screw Size, 1/4" Hole Diameter, Lead Screw Anchor With Screw	4.85	
			For >50 To 100, Deduct	*-0.44*	
			For >100 To 250, Deduct	*-0.89*	
			For >250 To 500, Deduct	*-1.54*	
			For >500, Deduct	*-2.20*	
26 05 29 00-0397		EA	#10-14 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw	5.79	
			For >50 To 100, Deduct	*-0.52*	
			For >100 To 250, Deduct	*-1.04*	
			For >250 To 500, Deduct	*-1.80*	
			For >500, Deduct	*-2.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0398	EA	#16-18 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw	7.86	
		For >50 To 100, Deduct	*-0.67*	
		For >100 To 250, Deduct	*-1.34*	
		For >250 To 500, Deduct	*-2.33*	
		For >500, Deduct	*-3.31*	

26 05 29 00-0399 Nailing Anchor Hilti HPS Impact Anchor Or Equal *(26 05 29 00-0361)*

26 05 29 00-0400	EA	1/4" x 1" Nail-In Drilling In Concrete, Concrete Block, Wood Or Steel	1.77	
		For >50 To 100, Deduct	*-0.13*	
		For >100 To 250, Deduct	*-0.26*	
		For >250 To 500, Deduct	*-0.45*	
		For >500, Deduct	*-0.64*	
26 05 29 00-0401	EA	1/4" x 1-3/4" Nail-In Drilling In Concrete, Concrete Block, Wood Or Steel	3.05	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.50*	
		For >250 To 500, Deduct	*-0.87*	
		For >500, Deduct	*-1.24*	
26 05 29 00-0402	EA	1/4" x 2-1/8" Nail-In Drilling In Concrete, Concrete Block, Wood Or Steel	4.33	
		For >50 To 100, Deduct	*-0.37*	
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-1.29*	
		For >500, Deduct	*-1.83*	

26 05 29 00-0403 Acoustical T-Bar Clips *(26 05 29 00-0361)*

Note: For conduit installation above suspended ceilings up to 15' height.

26 05 29 00-0404	EA	1/2" Conduit, Push-In Acoustical T-Bar Clip	8.11	
		For >50 To 100, Deduct	*-0.60*	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-2.08*	
		For >500, Deduct	*-2.96*	
26 05 29 00-0405	EA	3/4" Conduit, Push-In Acoustical T-Bar Clip	8.51	
		For >50 To 100, Deduct	*-0.64*	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-2.19*	
		For >500, Deduct	*-3.11*	
26 05 29 00-0406	EA	1" Conduit, Push-In Acoustical T-Bar Clip	9.28	
		For >50 To 100, Deduct	*-0.68*	
		For >100 To 250, Deduct	*-1.36*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-3.31*	

26 05 29 00-0407 Threaded Rod, Accessories And Attachments *(26 05 29)*

26 05 29 00-0408 Threaded Rod And Rod Accessories *(26 05 29 00-0407)*

26 05 29 00-0409 Carbon Steel Threaded Rod *(26 05 29 00-0408)*

Note: Includes plain finish.

26 05 29 00-0410	LF	3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.58	0.79
		For Galvanized, Add	*1.20*	
		For Zinc Coated, Add	*0.86*	
26 05 29 00-0411	LF	1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	6.45	0.84
		For Galvanized, Add	*1.91*	
		For Zinc Coated, Add	*1.36*	
26 05 29 00-0412	LF	5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	9.14	0.87
		For Galvanized, Add	*2.96*	
		For Zinc Coated, Add	*2.11*	
26 05 29 00-0413	LF	3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	15.23	0.89
		For Galvanized, Add	*5.37*	
		For Zinc Coated, Add	*3.83*	
26 05 29 00-0414	LF	7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	16.62	0.92
		For Galvanized, Add	*5.90*	
		For Zinc Coated, Add	*4.21*	
26 05 29 00-0415	LF	1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	22.83	1.04
		For Galvanized, Add	*8.29*	
		For Zinc Coated, Add	*5.91*	
26 05 29 00-0416	LF	1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	28.48	1.16
		For Galvanized, Add	*10.46*	
		For Zinc Coated, Add	*7.45*	

26 05 29 00-0417 Threaded Rod Couplings *(26 05 29 00-0408)*

26 05 29 00-0418	EA	3/8" Diameter, Threaded Rod Coupling Nut	10.23
26 05 29 00-0419	EA	1/2" Diameter, Threaded Rod Coupling Nut	11.60
26 05 29 00-0420	EA	5/8" Diameter, Threaded Rod Coupling Nut	14.53
26 05 29 00-0421	EA	3/4" Diameter, Threaded Rod Coupling Nut	17.76
26 05 29 00-0422	EA	7/8" Diameter, Threaded Rod Coupling Nut	26.16
26 05 29 00-0423	EA	1" Diameter, Threaded Rod Coupling Nut	31.03
26 05 29 00-0424	EA	1-1/8" Diameter, Threaded Rod Coupling Nut	59.71

26 05 29 00-0425 Flat Washers *(26 05 29 00-0408)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0426	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.87	0.31
		For Galvanized, Add	*0.04*	
26 05 29 00-0427	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.13	0.31
		For Galvanized, Add	*0.09*	
26 05 29 00-0428	EA	5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.49	0.31
		For Galvanized, Add	*0.17*	
26 05 29 00-0429	EA	3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.82	0.63
		For Galvanized, Add	*0.24*	
26 05 29 00-0430	EA	7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.05	0.63
		For Galvanized, Add	*0.28*	
26 05 29 00-0431	EA	1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.44	0.63
		For Galvanized, Add	*0.35*	
26 05 29 00-0432	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.73	0.63
		For Galvanized, Add	*0.39*	

26 05 29 00-0433 Malleable Iron Eye Sockets *(26 05 29 00-0408)*

Note: Type 16.

26 05 29 00-0434	EA	3/8" Rod Size, Malleable Iron Eye Socket	13.59
26 05 29 00-0435	EA	1/2" Rod Size, Malleable Iron Eye Socket	16.36
26 05 29 00-0436	EA	5/8" Rod Size, Malleable Iron Eye Socket	29.22
26 05 29 00-0437	EA	3/4" Rod Size, Malleable Iron Eye Socket	42.05
26 05 29 00-0438	EA	7/8" Rod Size, Malleable Iron Eye Socket	44.71

26 05 29 00-0439 Hex Nuts *(26 05 29 00-0408)*

26 05 29 00-0440	EA	3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.84	0.31
		For Galvanized, Add	*0.03*	
26 05 29 00-0441	EA	1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.08	0.31
		For Galvanized, Add	*0.07*	
26 05 29 00-0442	EA	5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.49	0.31
		For Galvanized, Add	*0.17*	
26 05 29 00-0443	EA	3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.76	0.63
		For Galvanized, Add	*0.22*	
26 05 29 00-0444	EA	7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	2.60	0.63
		For Galvanized, Add	*0.42*	
26 05 29 00-0445	EA	1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	3.32	0.63
		For Galvanized, Add	*0.57*	
26 05 29 00-0446	EA	1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	5.46	0.63
		For Galvanized, Add	*1.08*	

26 05 29 00-0447 Forged Steel Turnbuckles *(26 05 29 00-0408)*

Note: Type 13.

26 05 29 00-0448	EA	3/8" Thread Diameter, Forged Steel Turnbuckle Body	32.83
26 05 29 00-0449	EA	1/2" Thread Diameter, Forged Steel Turnbuckle Body	40.87
26 05 29 00-0450	EA	5/8" Thread Diameter, Forged Steel Turnbuckle Body	55.32
26 05 29 00-0451	EA	3/4" Thread Diameter, Forged Steel Turnbuckle Body	68.75
26 05 29 00-0452	EA	7/8" Thread Diameter, Forged Steel Turnbuckle Body	173.87
26 05 29 00-0453	EA	1" Thread Diameter, Forged Steel Turnbuckle Body	113.49
26 05 29 00-0454	EA	1-1/4" Thread Diameter, Forged Steel Turnbuckle Body	232.01

26 05 29 00-0455 Attachments *(26 05 29 00-0407)*

26 05 29 00-0456 Welded Beam Attachments *(26 05 29 00-0455)*

Note: Type 22.

26 05 29 00-0457	EA	3/8" Rod Size, Welded Beam Attachment	59.88	12.61
26 05 29 00-0458	EA	1/2" Rod Size, Welded Beam Attachment	63.93	13.24
26 05 29 00-0459	EA	5/8" Rod Size, Welded Beam Attachment	68.10	13.99
26 05 29 00-0460	EA	3/4" Rod Size, Welded Beam Attachment	87.72	14.87
26 05 29 00-0461	EA	7/8" Rod Size, Welded Beam Attachment	105.81	15.75
26 05 29 00-0462	EA	1" Rod Size, Welded Beam Attachment	149.44	18.03
26 05 29 00-0463	EA	1-1/8" Rod Size, Welded Beam Attachment	213.43	18.91

26 05 29 00-0464 C-Clamp Style Beam Clamps *(26 05 29 00-0455)*

Note: Type 23. Top or bottom flange mount.

26 05 29 00-0465	EA	3/8" Rod Size, C-Clamp Style Beam Clamp	20.02	9.48
26 05 29 00-0466	EA	1/2" Rod Size, C-Clamp Style Beam Clamp	24.17	10.10
26 05 29 00-0467	EA	5/8" Rod Size, C-Clamp Style Beam Clamp	27.58	10.82
26 05 29 00-0468	EA	3/4" Rod Size, C-Clamp Style Beam Clamp	35.98	11.65
26 05 29 00-0469	EA	7/8" Rod Size, C-Clamp Style Beam Clamp	53.22	12.63

26 05 29 00-0470 Bottom Mount I-Beam Clamps *(26 05 29 00-0455)*

Note: Type 21. For attaching threaded rod centered under beam flanges.

26 05 29 00-0471	EA	3/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	58.28	12.63
26 05 29 00-0472	EA	1/2" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	86.74	13.77
26 05 29 00-0473	EA	5/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	124.99	15.16
26 05 29 00-0474	EA	3/4" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	149.91	16.83
26 05 29 00-0475	EA	1" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	368.03	18.94

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0476		**Steel U-Bolts** *(26 05 29 00-0455)* Note: Type 24. Includes plate and nuts.		
26 05 29 00-0477	EA	1/2" Pipe Size, Zinc Plated Steel, U-Bolt	16.36	7.58
26 05 29 00-0478	EA	3/4" Pipe Size, Zinc Plated Steel, U-Bolt	17.80	7.98
26 05 29 00-0479	EA	1" Pipe Size, Zinc Plated Steel, U-Bolt	19.20	8.42
26 05 29 00-0480	EA	1-1/4" Pipe Size, Zinc Plated Steel, U-Bolt	21.97	8.91
26 05 29 00-0481	EA	1-1/2" Pipe Size, Zinc Plated Steel, U-Bolt	22.63	9.48
26 05 29 00-0482	EA	2" Pipe Size, Zinc Plated Steel, U-Bolt	24.23	10.10
26 05 29 00-0483	EA	2-1/2" Pipe Size, Zinc Plated Steel, U-Bolt	35.77	10.82
26 05 29 00-0484	EA	3" Pipe Size, Zinc Plated Steel, U-Bolt	39.49	11.65
26 05 29 00-0485	EA	4" Pipe Size, Zinc Plated Steel, U-Bolt	48.05	12.63
26 05 29 00-0486		**Stainless Steel Threaded Rod** *(26 05 29 00-0407)*		
26 05 29 00-0487	LF	1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	3.92	0.63
		For 316 Stainless Steel, Add	*1.08*	
26 05 29 00-0488	LF	5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	5.94	0.69
		For 316 Stainless Steel, Add	*1.84*	
26 05 29 00-0489	LF	3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	7.65	0.79
		For 316 Stainless Steel, Add	*2.46*	
26 05 29 00-0490	LF	7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	10.66	0.81
		For 316 Stainless Steel, Add	*3.66*	
26 05 29 00-0491	LF	1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod	12.80	0.84
		For 316 Stainless Steel, Add	*4.50*	
26 05 29 00-0492	LF	5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	19.24	0.85
		For 316 Stainless Steel, Add	*7.10*	
26 05 29 00-0493	LF	3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	26.98	0.87
		For 316 Stainless Steel, Add	*10.22*	
26 05 29 00-0494	LF	7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	37.15	0.89
		For 316 Stainless Steel, Add	*14.32*	
26 05 29 00-0495	LF	1" Diameter, 304/18-8 Stainless Steel Threaded Rod	47.75	1.04
		For 316 Stainless Steel, Add	*18.48*	
26 05 29 00-0496	LF	1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	101.17	1.26
		For 316 Stainless Steel, Add	*39.91*	
26 05 29 00-0497		**Polyvinyl Chloride (PVC) Coated Supports** *(26 05 29)* Note: Includes stainless steel and/or Polyvinyl Chloride (PVC) coated hardware.		
26 05 29 00-0498		**Polyvinyl Chloride (PVC) Coated Beam Clamps** *(26 05 29 00-0497)*		
26 05 29 00-0499		**Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamps** *(26 05 29 00-0498)*		
26 05 29 00-0500	EA	1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	65.88	25.21
26 05 29 00-0501	EA	3/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	71.61	27.48
26 05 29 00-0502	EA	1", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	76.50	30.25
26 05 29 00-0503	EA	1-1/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	91.47	33.66
26 05 29 00-0504	EA	1-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	105.56	37.82
26 05 29 00-0505	EA	2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	125.88	41.60
26 05 29 00-0506	EA	2-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	137.64	45.39
26 05 29 00-0507	EA	3", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	151.49	49.16
26 05 29 00-0508	EA	3-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	160.10	52.95
26 05 29 00-0509	EA	4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	172.99	56.73
26 05 29 00-0510		**Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamps** *(26 05 29 00-0498)*		
26 05 29 00-0511	EA	1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	70.48	25.21
26 05 29 00-0512	EA	3/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	74.73	27.48
26 05 29 00-0513	EA	1", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	85.85	30.25
26 05 29 00-0514	EA	1-1/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	94.79	33.66
26 05 29 00-0515	EA	1-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	106.84	37.82
26 05 29 00-0516	EA	2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	123.68	41.60
26 05 29 00-0517	EA	2-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	141.80	45.39
26 05 29 00-0518	EA	3", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	157.01	49.16
26 05 29 00-0519	EA	3-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	167.04	52.95
26 05 29 00-0520	EA	4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	173.92	56.73
26 05 29 00-0521		**Edge, Polyvinyl Chloride (PVC) Coated Beam Clamps** *(26 05 29 00-0498)*		
26 05 29 00-0522	EA	1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	66.70	24.96
26 05 29 00-0523	EA	3/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	71.77	27.23
26 05 29 00-0524	EA	1", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	81.20	30.25
26 05 29 00-0525	EA	1-1/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	95.01	33.28
26 05 29 00-0526	EA	1-1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	123.17	37.82
26 05 29 00-0527	EA	2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	135.06	41.60
26 05 29 00-0528		**Polyvinyl Chloride (PVC) Coated Conduit Straps** *(26 05 29 00-0497)*		
26 05 29 00-0529		**One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps** *(26 05 29 00-0528)*		
26 05 29 00-0530	EA	1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	7.82	0.75

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0531	EA	3/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	8.48	0.75
26 05 29 00-0532	EA	1", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	12.42	0.75
26 05 29 00-0533	EA	1-1/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	15.08	0.75
26 05 29 00-0534	EA	1-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	19.82	0.75
26 05 29 00-0535	EA	2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	29.72	0.75
26 05 29 00-0536	EA	2-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	39.56	0.75
26 05 29 00-0537	EA	3", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	52.96	0.75
26 05 29 00-0538	EA	3-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	93.65	0.75
26 05 29 00-0539	EA	4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	99.52	0.75
26 05 29 00-0540		**Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps** *(26 05 29 00-0528)*		
26 05 29 00-0541	EA	1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	15.42	1.51
26 05 29 00-0542	EA	3/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	15.49	1.51
26 05 29 00-0543	EA	1", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	15.89	1.51
26 05 29 00-0544	EA	1-1/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	19.94	1.51
26 05 29 00-0545	EA	1-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	20.49	1.51
26 05 29 00-0546	EA	2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	23.48	1.51
26 05 29 00-0547	EA	2-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	26.39	1.51
26 05 29 00-0548	EA	3", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	27.58	1.51
26 05 29 00-0549	EA	3-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	29.44	1.51
26 05 29 00-0550	EA	4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	31.92	1.51
26 05 29 00-0551		**Polyvinyl Chloride (PVC) Coated Clamp Back Spacer** *(26 05 29 00-0497)*		
26 05 29 00-0552		**Polyvinyl Chloride (PVC) Coated Clamp Back Spacer** *(26 05 29 00-0551)*		
26 05 29 00-0553	EA	1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	14.00	1.51
26 05 29 00-0554	EA	3/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	16.26	1.51
26 05 29 00-0555	EA	1" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	20.41	1.51
26 05 29 00-0556	EA	1-1/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	23.84	1.51
26 05 29 00-0557	EA	1-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	31.86	1.51
26 05 29 00-0558	EA	2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	56.47	1.51
26 05 29 00-0559	EA	2-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	77.98	1.51
26 05 29 00-0560	EA	3" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	106.42	1.51
26 05 29 00-0561	EA	3-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	186.14	1.51
26 05 29 00-0562	EA	4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	186.14	1.51
26 05 29 00-0563		**Polyvinyl Chloride (PVC) Coated Threaded Rod And Accessories** *(26 05 29 00-0497)*		
26 05 29 00-0564		**Polyvinyl Chloride (PVC) Coated Threaded Rod** *(26 05 29 00-0563)*		
26 05 29 00-0565	LF	3/8" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod	9.64	1.01
26 05 29 00-0566	LF	1/2" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod	11.87	1.13
26 05 29 00-0567		**Attachments** *(26 05 29 00-0497)*		
26 05 29 00-0568		**Polyvinyl Chloride (PVC) Coated U-Bolts And Encapsulation Nuts** *(26 05 29 00-0567)*		
26 05 29 00-0569	EA	1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	19.45	7.58
26 05 29 00-0570	EA	3/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	20.11	7.96
26 05 29 00-0571	EA	1" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	21.18	8.46
26 05 29 00-0572	EA	1-1/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	22.54	8.96
26 05 29 00-0573	EA	1-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	24.00	9.48
26 05 29 00-0574	EA	2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	26.91	10.10
26 05 29 00-0575	EA	2-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	38.40	10.86
26 05 29 00-0576	EA	3" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	40.31	11.61
26 05 29 00-0577	EA	4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	43.00	12.63
26 05 29 00-0578	EA	5" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	69.40	14.39
26 05 29 00-0579	EA	6" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	85.87	16.67
26 05 29 00-0580		**Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamps** *(26 05 29 00-0567)*		
26 05 29 00-0581	EA	1/4", 20 Hole, 15/16" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	67.38	24.96
26 05 29 00-0582	EA	5/16", 18 Hole, 7/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	78.35	24.96
26 05 29 00-0583	EA	3/8", 16 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	82.87	24.96
26 05 29 00-0584	EA	1/2", 13 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	91.30	26.48
26 05 29 00-0585	EA	1/2", 13 Hole, 2-1/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	106.83	30.25
26 05 29 00-0586		**Polyvinyl Chloride (PVC) Coated Pipe Straps** *(26 05 29 00-0567)* Note: Includes stainless steel nuts and bolts.		
26 05 29 00-0587	EA	1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	24.68	8.32
26 05 29 00-0588	EA	3/4" Polyvinyl Chloride (PVC) Coated Pipe Strap	25.96	9.08
26 05 29 00-0589	EA	1" Polyvinyl Chloride (PVC) Coated Pipe Strap	28.28	9.83
26 05 29 00-0590	EA	1-1/4" Polyvinyl Chloride (PVC) Coated Pipe Strap	31.84	11.34
26 05 29 00-0591	EA	1-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	36.45	12.86
26 05 29 00-0592	EA	2" Polyvinyl Chloride (PVC) Coated Pipe Strap	40.50	13.62
26 05 29 00-0593	EA	2-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	44.75	15.13
26 05 29 00-0594	EA	3" Polyvinyl Chloride (PVC) Coated Pipe Strap	53.19	16.65
26 05 29 00-0595	EA	3-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	58.13	17.40

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0596	EA	4" Polyvinyl Chloride (PVC) Coated Pipe Strap	61.10	18.91
26 05 29 00-0597	EA	5" Polyvinyl Chloride (PVC) Coated Pipe Strap	65.32	21.17

26 05 29 00-0598 Polyvinyl Chloride (PVC) Coated Channel *(26 05 29 00-0497)*

26 05 29 00-0599	LF	A12, Polyvinyl Chloride (PVC) Coated Channel	25.40	3.78
26 05 29 00-0600	LF	A12A, Polyvinyl Chloride (PVC) Coated Channel	44.94	5.29
26 05 29 00-0601	LF	A12P, Polyvinyl Chloride (PVC) Coated Channel	27.11	3.78
26 05 29 00-0602	LF	C14, Polyvinyl Chloride (PVC) Coated Channel	20.14	3.78
26 05 29 00-0603	LF	C14P, Polyvinyl Chloride (PVC) Coated Channel	21.20	3.78

26 05 29 00-0604 Polymer Concrete Pads *(26 05 29)*

Note: Excludes excavation and backfill.

26 05 29 00-0605 Polymer Concrete, Box Pads *(26 05 29 00-0604)*

26 05 29 00-0606	EA	24" x 36", 18" Depth, Polymer Concrete, Box Pad	1,424.12	134.89
26 05 29 00-0607	EA	25" x 25", 24" Depth, Polymer Concrete, Box Pad	1,471.81	134.89
26 05 29 00-0608	EA	40" x 44", 15" Depth, Polymer Concrete, Box Pad	1,910.12	134.89
26 05 29 00-0609	EA	40" x 44", 24" Depth, Polymer Concrete, Box Pad	1,982.80	134.89
26 05 29 00-0610	EA	52" x 36", 18" Depth, Polymer Concrete, Box Pad	1,842.47	134.89
26 05 29 00-0611	EA	44" x 44", 32" Depth, Polymer Concrete, Box Pad	2,185.67	134.89
26 05 29 00-0612	EA	40" x 58", 24" Depth, Polymer Concrete, Box Pad	2,448.83	134.89
26 05 29 00-0613	EA	52" x 50", 18" Depth, Polymer Concrete, Box Pad	2,344.17	168.61
26 05 29 00-0614	EA	74" x 76", 36" Depth, Polymer Concrete, Box Pad	3,573.73	168.61
26 05 29 00-0615	EA	93" x 93", 36" Depth, Polymer Concrete, Box Pad	4,809.37	168.61

26 05 29 00-0616 Polymer Concrete, Telecommunications Equipment Pads *(26 05 29 00-0604)*

26 05 29 00-0617	EA	42" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad	688.93	74.65
26 05 29 00-0618	EA	48" x 46", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad	819.23	74.65
26 05 29 00-0619	EA	60" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,056.55	101.17
26 05 29 00-0620	EA	54" x 48", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,104.98	101.17
26 05 29 00-0621	EA	57" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,597.95	101.17
26 05 29 00-0622	EA	72" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,666.47	101.17
26 05 29 00-0623	EA	64" x 72", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,794.14	101.17
26 05 29 00-0624	EA	72" x 64", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,794.14	101.17
26 05 29 00-0625	EA	76" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	3,398.04	101.17
26 05 29 00-0626	EA	96" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	3,855.70	101.17

26 05 29 00-0627 Polymer Concrete, Electrical Equipment Pads *(26 05 29 00-0604)*

26 05 29 00-0628	EA	24" x 25", 2" Thick, Polymer Concrete, Electrical Equipment Pad	412.96	74.65
26 05 29 00-0629	EA	24" x 36", 2" Thick, Polymer Concrete, Electrical Equipment Pad	446.45	74.65
26 05 29 00-0630	EA	24" x 44", 2" Thick, Polymer Concrete, Electrical Equipment Pad	476.97	74.65
26 05 29 00-0631	EA	24" x 58", 2" Thick, Polymer Concrete, Electrical Equipment Pad	578.32	74.65
26 05 29 00-0632	EA	40" x 40", 3" Thick, Polymer Concrete, Electrical Equipment Pad	533.09	74.65
26 05 29 00-0633	EA	42" x 42", 3" Thick, Polymer Concrete, Electrical Equipment Pad	554.41	74.65
26 05 29 00-0634	EA	48" x 42", 4" Thick, Polymer Concrete, Electrical Equipment Pad	609.66	74.65
26 05 29 00-0635	EA	48" x 46", 3" Thick, Polymer Concrete, Electrical Equipment Pad	641.89	74.65
26 05 29 00-0636	EA	54" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad	749.54	74.65
26 05 29 00-0637	EA	56" x 44", 3" Thick, Polymer Concrete, Electrical Equipment Pad	926.85	74.65
26 05 29 00-0638	EA	64" x 64", 4" Thick, Polymer Concrete, Electrical Equipment Pad	1,360.46	101.17
26 05 29 00-0639	EA	66" x 72", 4" Thick, Polymer Concrete, Electrical Equipment Pad	1,425.26	101.17
26 05 29 00-0640	EA	75" x 52", 4" Thick, Polymer Concrete, Electrical Equipment Pad	1,445.71	101.17
26 05 29 00-0641	EA	90" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad	1,581.95	101.17
26 05 29 00-0642	EA	84" x 96", 4" Thick, Polymer Concrete, Electrical Equipment Pad	3,404.19	101.17
26 05 29 00-0643	EA	96" x 80", 4" Thick, Polymer Concrete, Electrical Equipment Pad	4,014.56	101.17

26 05 33 Raceway and Boxes for Electrical Systems *(26 05)*

26 05 33 13 Conduit for Electrical Systems *(26 05 33)*

26 05 33 13-0001 Conduit Assemblies With Wire *(26 05 33 13)*

Note: Includes conduit, field bending conduit up to and including 1", fittings and wire. Excludes hangers or supports.

26 05 33 13-0002 Electrical Metallic Tubing (EMT) Conduit Assemblies *(26 05 33 13-0001)*

Note: Includes conduit, field bends, fittings, set screw connectors, set screw couplings, straps, and copper wire as indicated. Per CLF. See CSI section 26 05 19 16-0240 for larger copper conducter, 26 05 33 13-0599 for larger EMT conduit.

26 05 33 13-0003	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	948.52	281.50
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*241.32*	
		For 2 #12 THWN Conductor Instead Of THHN, Add	*1.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0004	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,036.72	305.69
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*262.06*	
		For 3 #12 THWN Conductor Instead Of THHN, Add	*2.86*	
26 05 33 13-0005	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,124.93	329.88
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*282.79*	
		For 4 #12 THWN Conductor Instead Of THHN, Add	*3.82*	
26 05 33 13-0006	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,002.26	293.60
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*251.69*	
		For 2 #10 THWN Conductor Instead Of THHN, Add	*2.86*	
26 05 33 13-0007	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,111.58	321.82
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*275.88*	
		For 3 #10 THWN Conductor Instead Of THHN, Add	*4.29*	
26 05 33 13-0008	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conducter	1,220.88	350.03
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*300.07*	
		For 4 #10 THWN Conductor Instead Of THHN, Add	*5.73*	
26 05 33 13-0009	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor	1,123.45	317.78
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*272.42*	
		For 2 #8 THWN Conductor Instead Of THHN, Add	*4.99*	
26 05 33 13-0010	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,056.90	303.50
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*260.12*	
		For 2 #12 THWN Conductor Instead Of THHN, Add	*1.91*	
26 05 33 13-0011	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,145.10	327.69
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*280.85*	
		For 3 #12 THWN Conductor Instead Of THHN, Add	*2.86*	
26 05 33 13-0012	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,233.30	351.87
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*301.58*	
26 05 33 13-0013	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,321.50	376.06
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*322.32*	
		For 5 #12 THWN Conductor Instead Of THHN, Add	*4.77*	
26 05 33 13-0014	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,110.63	315.59
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*270.49*	
		For 2 #10 THWN Conductor Instead Of THHN, Add	*2.86*	
26 05 33 13-0015	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,219.95	343.81
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*294.68*	
		For 3 #10 THWN Conductor Instead Of THHN, Add	*4.29*	
26 05 33 13-0016	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,329.27	372.03
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*318.86*	
		For 4 #10 THWN Conductor Instead Of THHN, Add	*5.73*	
26 05 33 13-0017	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,438.57	400.25
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*343.05*	
		For 5 #10 THWN Conductor Instead Of THHN, Add	*7.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0018	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor	1,385.41	376.06
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*322.32*	
		For 3 #8 THWN Conductor Instead Of THHN, Add	*7.49*	
26 05 33 13-0019	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor	1,539.01	412.35
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*353.42*	
		For 4 #8 THWN Conductor Instead Of THHN, Add	*9.99*	
26 05 33 13-0020	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor	1,387.42	363.97
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*311.95*	
		For 2 #6 THWN Conductor Instead Of THHN, Add	*8.26*	
26 05 33 13-0021	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor	1,596.67	408.31
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*349.96*	
		For 3 #6 THWN Conductor Instead Of THHN, Add	*12.38*	
26 05 33 13-0022	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,209.54	326.65
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*280.03*	
		For 2 #12 THWN Conductor Instead Of THHN, Add	*1.91*	
26 05 33 13-0023	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,297.73	350.84
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*300.76*	
		For 3 #12 THWN Conductor Instead Of THHN, Add	*2.86*	
26 05 33 13-0024	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,385.94	375.03
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*321.49*	
26 05 33 13-0025	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,474.14	399.21
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*342.22*	
		For 5 #12 THWN Conductor Instead Of THHN, Add	*4.77*	
26 05 33 13-0026	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,263.26	338.75
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*290.39*	
		For 2 #10 THWN Conductor Instead Of THHN, Add	*2.86*	
26 05 33 13-0027	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,372.58	366.97
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*314.58*	
		For 3 #10 THWN Conductor Instead Of THHN, Add	*4.29*	
26 05 33 13-0028	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,481.90	395.18
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*338.77*	
		For 4 #10 THWN Conductor Instead Of THHN, Add	*5.73*	
26 05 33 13-0029	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,591.20	423.40
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*362.95*	
		For 5 #10 THWN Conductor Instead Of THHN, Add	*7.16*	
26 05 33 13-0030	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor	1,538.05	399.21
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*342.22*	
		For 3 #8 THWN Conductor Instead Of THHN, Add	*7.49*	
26 05 33 13-0031	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor	1,749.30	431.46
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*369.86*	
		For 3 #6 THWN Conductor Instead Of THHN, Add	*12.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0032	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor	1,958.56	475.80
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*407.87*	
		For 4 #6 THWN Conductor Instead Of THHN, Add	*16.51*	

26 05 33 13-0033 Rigid Galvanized Steel (RGS) Conduit Assemblies *(26 05 33 13-0001)*

Note: Includes conduit, field bends, fittings, terminations, straps, and copper wire as indicated. Per CLF. See CSI section 26 05 19 16-0240 for larger copper conducter, 26 05 33 13-0060 for larger RGS conduit.

26 05 33 13-0034	CLF	1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,241.63	320.43
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*274.64*	
		For 2 #12 THWN Conductor Instead Of THHN, Add	*1.91*	
26 05 33 13-0035	CLF	1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,329.82	344.62
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*295.37*	
		For 3 #12 THWN Conductor Instead Of THHN, Add	*2.86*	
26 05 33 13-0036	CLF	1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,295.36	332.52
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*285.00*	
		For 2 #10 THWN Conductor Instead Of THHN, Add	*2.86*	
26 05 33 13-0037	CLF	1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,404.68	360.74
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*309.19*	
		For 3 #10 THWN Conductor Instead Of THHN, Add	*4.29*	
26 05 33 13-0038	CLF	1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor	1,416.55	356.71
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*305.73*	
		For 2 #8 THWN Conductor Instead Of THHN, Add	*4.99*	
26 05 33 13-0039	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,365.24	341.73
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*292.88*	
		For 2 #12 THWN Conductor Instead Of THHN, Add	*1.91*	
26 05 33 13-0040	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,453.45	365.92
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*313.61*	
		For 3 #12 THWN Conductor Instead Of THHN, Add	*2.86*	
26 05 33 13-0041	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,541.65	390.11
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*334.34*	
26 05 33 13-0042	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,418.99	353.83
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*303.25*	
		For 2 #10 THWN Conductor Instead Of THHN, Add	*2.86*	
26 05 33 13-0043	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,528.29	382.05
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*327.43*	
		For 3 #10 THWN Conductor Instead Of THHN, Add	*4.29*	
26 05 33 13-0044	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,637.60	410.27
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*351.62*	
		For 4 #10 THWN Conductor Instead Of THHN, Add	*5.73*	
26 05 33 13-0045	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor	1,693.75	414.30
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*355.07*	
		For 3 #8 THWN Conductor Instead Of THHN, Add	*7.49*	
26 05 33 13-0046	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor	1,847.34	450.58
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*386.17*	
		For 4 #8 THWN Conductor Instead Of THHN, Add	*9.99*	
26 05 33 13-0047	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor	1,695.77	402.20
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*344.71*	
		For 2 #6 THWN Conductor Instead Of THHN, Add	*8.26*	
26 05 33 13-0048	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor	1,905.01	446.55
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*382.72*	
		For 3 #6 THWN Conductor Instead Of THHN, Add	*12.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0049	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,755.51	408.08
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*349.79*	
		For 3 #12 THWN Conductor Instead Of THHN, Add	*2.86*	
26 05 33 13-0050	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,843.70	432.27
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*370.52*	
26 05 33 13-0051	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,931.90	456.45
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*391.25*	
		For 5 #12 THWN Conductor Instead Of THHN, Add	*4.77*	
26 05 33 13-0052	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,830.34	424.21
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*363.61*	
		For 3 #10 THWN Conductor Instead Of THHN, Add	*4.29*	
26 05 33 13-0053	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,939.66	452.42
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*387.80*	
		For 4 #10 THWN Conductor Instead Of THHN, Add	*5.73*	
26 05 33 13-0054	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	2,048.97	480.64
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*411.98*	
		For 5 #10 THWN Conductor Instead Of THHN, Add	*7.16*	
26 05 33 13-0055	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor	1,995.81	456.45
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*391.25*	
		For 3 #8 THWN Conductor Instead Of THHN, Add	*7.49*	
26 05 33 13-0056	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor	2,207.07	488.70
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*418.90*	
		For 3 #6 THWN Conductor Instead Of THHN, Add	*12.38*	
26 05 33 13-0057	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor	2,416.32	533.05
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*456.91*	
		For 4 #6 THWN Conductor Instead Of THHN, Add	*16.51*	

26 05 33 13-0058 Conduit *(26 05 33 13)*

Note: Where 4-1/2" conduit is required, use tasks for 5" conduit. Add couplings as required at each fitting.

26 05 33 13-0059 Conduit Installed Above Grade *(26 05 33 13-0058)*

See CSI section 26 05 29 00-0000 for supporting strap, hanger and fastening.

26 05 33 13-0060 Rigid Galvanized Steel (RGS) Or Galvanized Rigid Steel Conduit (GRC) Conduit *(26 05 33 13-0059)*

Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

26 05 33 13-0061 Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling *(26 05 33 13-0060)*

Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-2319 for field bending >1".

26 05 33 13-0062	LF	1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	8.91	2.54
		For >250 To 500, Deduct	*-0.13*	
		For >500 To 1,000, Deduct	*-0.51*	
		For >1,000, Deduct	*-0.73*	
		For Installation In Metal Stud Wall, Add	*0.63*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.59*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.95*	
		For Work In Restricted Working Space, Add	*1.90*	
		For Elevated Installation >10' To 15', Add	*0.63*	
		For Elevated Installation >15' To 20', Add	*1.27*	
		For Elevated Installation >20' To 25', Add	*1.59*	
		For Elevated Installation >25' To 30', Add	*2.22*	
		For Elevated Installation >30' To 35', Add	*2.54*	
		For Elevated Installation >35' To 40', Add	*3.17*	
		For Elevated Installation >40', Add	*3.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0063	LF	3/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	10.54	2.77
		For >250 To 500, Deduct	*-0.16*	
		For >500 To 1,000, Deduct	*-0.61*	
		For >1,000, Deduct	*-0.87*	
		For Installation In Metal Stud Wall, Add	*0.74*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.84*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.11*	
		For Work In Restricted Working Space, Add	*2.21*	
		For Elevated Installation >10' To 15', Add	*0.74*	
		For Elevated Installation >15' To 20', Add	*1.47*	
		For Elevated Installation >20' To 25', Add	*1.84*	
		For Elevated Installation >25' To 30', Add	*2.58*	
		For Elevated Installation >30' To 35', Add	*2.95*	
		For Elevated Installation >35' To 40', Add	*3.69*	
		For Elevated Installation >40', Add	*4.05*	
26 05 33 13-0064	LF	1" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	14.80	3.23
		For >250 To 500, Deduct	*-0.25*	
		For >500 To 1,000, Deduct	*-0.86*	
		For >1,000, Deduct	*-1.23*	
		For Installation In Metal Stud Wall, Add	*0.99*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.48*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.49*	
		For Work In Restricted Working Space, Add	*2.97*	
		For Elevated Installation >10' To 15', Add	*0.99*	
		For Elevated Installation >15' To 20', Add	*1.98*	
		For Elevated Installation >20' To 25', Add	*2.48*	
		For Elevated Installation >25' To 30', Add	*3.47*	
		For Elevated Installation >30' To 35', Add	*3.96*	
		For Elevated Installation >35' To 40', Add	*4.95*	
		For Elevated Installation >40', Add	*5.45*	
26 05 33 13-0065	LF	1-1/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	17.03	3.69
		For >250 To 500, Deduct	*-0.33*	
		For >500 To 1,000, Deduct	*-1.02*	
		For >1,000, Deduct	*-1.44*	
		For Installation In Metal Stud Wall, Add	*1.05*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.62*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.57*	
		For Work In Restricted Working Space, Add	*3.15*	
		For Elevated Installation >10' To 15', Add	*1.05*	
		For Elevated Installation >15' To 20', Add	*2.10*	
		For Elevated Installation >20' To 25', Add	*2.62*	
		For Elevated Installation >25' To 30', Add	*3.67*	
		For Elevated Installation >30' To 35', Add	*4.20*	
		For Elevated Installation >35' To 40', Add	*5.25*	
		For Elevated Installation >40', Add	*5.77*	
26 05 33 13-0066	LF	1-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	19.52	4.15
		For >250 To 500, Deduct	*-0.40*	
		For >500 To 1,000, Deduct	*-1.18*	
		For >1,000, Deduct	*-1.66*	
		For Installation In Metal Stud Wall, Add	*1.15*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.88*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.73*	
		For Work In Restricted Working Space, Add	*3.46*	
		For Elevated Installation >10' To 15', Add	*1.15*	
		For Elevated Installation >15' To 20', Add	*2.30*	
		For Elevated Installation >20' To 25', Add	*2.88*	
		For Elevated Installation >25' To 30', Add	*4.03*	
		For Elevated Installation >30' To 35', Add	*4.61*	
		For Elevated Installation >35' To 40', Add	*5.76*	
		For Elevated Installation >40', Add	*6.34*	
26 05 33 13-0067	LF	2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	24.86	5.07
		For >250 To 500, Deduct	*-0.54*	
		For >500 To 1,000, Deduct	*-1.51*	
		For >1,000, Deduct	*-2.13*	
		For Installation In Metal Stud Wall, Add	*1.42*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*3.54*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*2.12*	
		For Work In Restricted Working Space, Add	*4.25*	
		For Elevated Installation >10' To 15', Add	*1.42*	
		For Elevated Installation >15' To 20', Add	*2.83*	
		For Elevated Installation >20' To 25', Add	*3.54*	
		For Elevated Installation >25' To 30', Add	*4.96*	
		For Elevated Installation >30' To 35', Add	*5.66*	
		For Elevated Installation >35' To 40', Add	*7.08*	
		For Elevated Installation >40', Add	*7.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0068	LF	2-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	36.98	6.91
		For >250 To 500, Deduct	*-0.89*	
		For >500 To 1,000, Deduct	*-2.29*	
		For >1,000, Deduct	*-3.22*	
		For Installation In Metal Stud Wall, Add	*1.92*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*4.81*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*2.89*	
		For Work In Restricted Working Space, Add	*5.77*	
		For Elevated Installation >10' To 15', Add	*1.92*	
		For Elevated Installation >15' To 20', Add	*3.85*	
		For Elevated Installation >20' To 25', Add	*4.81*	
		For Elevated Installation >25' To 30', Add	*6.73*	
		For Elevated Installation >30' To 35', Add	*7.70*	
		For Elevated Installation >35' To 40', Add	*9.62*	
		For Elevated Installation >40', Add	*10.58*	
26 05 33 13-0069	LF	3" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	48.49	9.21
		For >250 To 500, Deduct	*-1.13*	
		For >500 To 1,000, Deduct	*-2.99*	
		For >1,000, Deduct	*-4.20*	
		For Installation In Metal Stud Wall, Add	*2.59*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*6.48*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*3.89*	
		For Work In Restricted Working Space, Add	*7.77*	
		For Elevated Installation >10' To 15', Add	*2.59*	
		For Elevated Installation >15' To 20', Add	*5.18*	
		For Elevated Installation >20' To 25', Add	*6.48*	
		For Elevated Installation >25' To 30', Add	*9.07*	
		For Elevated Installation >30' To 35', Add	*10.36*	
		For Elevated Installation >35' To 40', Add	*12.96*	
		For Elevated Installation >40', Add	*14.25*	
26 05 33 13-0070	LF	3-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	58.30	11.52
		For >250 To 500, Deduct	*-1.38*	
		For >500 To 1,000, Deduct	*-3.60*	
		For >1,000, Deduct	*-5.06*	
		For Installation In Metal Stud Wall, Add	*3.08*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*7.69*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*4.61*	
		For Work In Restricted Working Space, Add	*9.23*	
		For Elevated Installation >10' To 15', Add	*3.08*	
		For Elevated Installation >15' To 20', Add	*6.15*	
		For Elevated Installation >20' To 25', Add	*7.69*	
		For Elevated Installation >25' To 30', Add	*10.77*	
		For Elevated Installation >30' To 35', Add	*12.30*	
		For Elevated Installation >35' To 40', Add	*15.38*	
		For Elevated Installation >40', Add	*16.92*	
26 05 33 13-0071	LF	4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	69.13	13.82
		For >250 To 500, Deduct	*-1.68*	
		For >500 To 1,000, Deduct	*-4.30*	
		For >1,000, Deduct	*-6.03*	
		For Installation In Metal Stud Wall, Add	*3.55*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*8.87*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*5.32*	
		For Work In Restricted Working Space, Add	*10.64*	
		For Elevated Installation >10' To 15', Add	*3.55*	
		For Elevated Installation >15' To 20', Add	*7.10*	
		For Elevated Installation >20' To 25', Add	*8.87*	
		For Elevated Installation >25' To 30', Add	*12.42*	
		For Elevated Installation >30' To 35', Add	*14.19*	
		For Elevated Installation >35' To 40', Add	*17.74*	
		For Elevated Installation >40', Add	*19.51*	
26 05 33 13-0072	LF	5" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	108.73	17.50
		For >250 To 500, Deduct	*-3.25*	
		For >500 To 1,000, Deduct	*-7.06*	
		For >1,000, Deduct	*-9.78*	
		For Installation In Metal Stud Wall, Add	*4.38*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*10.94*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*6.57*	
		For Work In Restricted Working Space, Add	*13.13*	
		For Elevated Installation >10' To 15', Add	*4.38*	
		For Elevated Installation >15' To 20', Add	*8.75*	
		For Elevated Installation >20' To 25', Add	*10.94*	
		For Elevated Installation >25' To 30', Add	*15.32*	
		For Elevated Installation >30' To 35', Add	*17.51*	
		For Elevated Installation >35' To 40', Add	*21.89*	
		For Elevated Installation >40', Add	*24.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0073	LF	6" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	146.59	22.11
		For >250 To 500, Deduct	*-4.57*	
		For >500 To 1,000, Deduct	*-9.61*	
		For >1,000, Deduct	*-13.28*	
		For Installation In Metal Stud Wall, Add	*5.53*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*13.82*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*8.29*	
		For Work In Restricted Working Space, Add	*16.59*	
		For Elevated Installation >10' To 15', Add	*5.53*	
		For Elevated Installation >15' To 20', Add	*11.06*	
		For Elevated Installation >20' To 25', Add	*13.82*	
		For Elevated Installation >25' To 30', Add	*19.35*	
		For Elevated Installation >30' To 35', Add	*22.12*	
		For Elevated Installation >35' To 40', Add	*27.65*	
		For Elevated Installation >40', Add	*30.41*	

26 05 33 13-0074 Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0075	EA	1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	34.36	11.40
		For Work In Restricted Working Space, Add	*8.58*	
		For Elevated Installation >10' To 15', Add	*2.86*	
		For Elevated Installation >15' To 20', Add	*5.72*	
		For Elevated Installation >20' To 25', Add	*7.15*	
		For Elevated Installation >25' To 30', Add	*10.01*	
		For Elevated Installation >30' To 35', Add	*11.44*	
		For Elevated Installation >35' To 40', Add	*14.30*	
		For Elevated Installation >40', Add	*15.73*	
26 05 33 13-0076	EA	3/4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	43.16	14.16
		For Work In Restricted Working Space, Add	*10.67*	
		For Elevated Installation >10' To 15', Add	*3.56*	
		For Elevated Installation >15' To 20', Add	*7.11*	
		For Elevated Installation >20' To 25', Add	*8.89*	
		For Elevated Installation >25' To 30', Add	*12.45*	
		For Elevated Installation >30' To 35', Add	*14.22*	
		For Elevated Installation >35' To 40', Add	*17.78*	
		For Elevated Installation >40', Add	*19.56*	
26 05 33 13-0077	EA	1" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	55.05	17.39
		For Work In Restricted Working Space, Add	*13.01*	
		For Elevated Installation >10' To 15', Add	*4.34*	
		For Elevated Installation >15' To 20', Add	*8.67*	
		For Elevated Installation >20' To 25', Add	*10.84*	
		For Elevated Installation >25' To 30', Add	*15.18*	
		For Elevated Installation >30' To 35', Add	*17.34*	
		For Elevated Installation >35' To 40', Add	*21.68*	
		For Elevated Installation >40', Add	*23.85*	
26 05 33 13-0078	EA	1-1/4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	70.34	20.16
		For Work In Restricted Working Space, Add	*15.11*	
		For Elevated Installation >10' To 15', Add	*5.04*	
		For Elevated Installation >15' To 20', Add	*10.07*	
		For Elevated Installation >20' To 25', Add	*12.59*	
		For Elevated Installation >25' To 30', Add	*17.62*	
		For Elevated Installation >30' To 35', Add	*20.14*	
		For Elevated Installation >35' To 40', Add	*25.18*	
		For Elevated Installation >40', Add	*27.69*	
26 05 33 13-0079	EA	1-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	81.63	23.15
		For Work In Restricted Working Space, Add	*17.34*	
		For Elevated Installation >10' To 15', Add	*5.78*	
		For Elevated Installation >15' To 20', Add	*11.56*	
		For Elevated Installation >20' To 25', Add	*14.45*	
		For Elevated Installation >25' To 30', Add	*20.23*	
		For Elevated Installation >30' To 35', Add	*23.12*	
		For Elevated Installation >35' To 40', Add	*28.90*	
		For Elevated Installation >40', Add	*31.78*	
26 05 33 13-0080	EA	2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	96.35	25.45
		For Work In Restricted Working Space, Add	*19.07*	
		For Elevated Installation >10' To 15', Add	*6.36*	
		For Elevated Installation >15' To 20', Add	*12.71*	
		For Elevated Installation >20' To 25', Add	*15.89*	
		For Elevated Installation >25' To 30', Add	*22.25*	
		For Elevated Installation >30' To 35', Add	*25.43*	
		For Elevated Installation >35' To 40', Add	*31.79*	
		For Elevated Installation >40', Add	*34.96*	
26 05 33 13-0081	EA	2-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	137.88	31.79
		For Work In Restricted Working Space, Add	*23.84*	
		For Elevated Installation >10' To 15', Add	*7.95*	
		For Elevated Installation >15' To 20', Add	*15.89*	
		For Elevated Installation >20' To 25', Add	*19.87*	
		For Elevated Installation >25' To 30', Add	*27.81*	
		For Elevated Installation >30' To 35', Add	*31.79*	
		For Elevated Installation >35' To 40', Add	*39.74*	
		For Elevated Installation >40', Add	*43.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0082	EA	3" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	195.22	43.31
		For Work In Restricted Working Space, Add	*32.48*	
		For Elevated Installation >10' To 15', Add	*10.83*	
		For Elevated Installation >15' To 20', Add	*21.65*	
		For Elevated Installation >20' To 25', Add	*27.06*	
		For Elevated Installation >25' To 30', Add	*37.89*	
		For Elevated Installation >30' To 35', Add	*43.30*	
		For Elevated Installation >35' To 40', Add	*54.13*	
		For Elevated Installation >40', Add	*59.54*	
26 05 33 13-0083	EA	3-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	258.07	48.84
		For Work In Restricted Working Space, Add	*36.63*	
		For Elevated Installation >10' To 15', Add	*12.21*	
		For Elevated Installation >15' To 20', Add	*24.42*	
		For Elevated Installation >20' To 25', Add	*30.53*	
		For Elevated Installation >25' To 30', Add	*42.74*	
		For Elevated Installation >30' To 35', Add	*48.84*	
		For Elevated Installation >35' To 40', Add	*61.06*	
		For Elevated Installation >40', Add	*67.16*	
26 05 33 13-0084	EA	4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	315.61	63.58
		For Work In Restricted Working Space, Add	*47.68*	
		For Elevated Installation >10' To 15', Add	*15.89*	
		For Elevated Installation >15' To 20', Add	*31.78*	
		For Elevated Installation >20' To 25', Add	*39.73*	
		For Elevated Installation >25' To 30', Add	*55.62*	
		For Elevated Installation >30' To 35', Add	*63.57*	
		For Elevated Installation >35' To 40', Add	*79.46*	
		For Elevated Installation >40', Add	*87.41*	
26 05 33 13-0085	EA	5" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	516.27	103.66
		For Work In Restricted Working Space, Add	*77.75*	
		For Elevated Installation >10' To 15', Add	*25.92*	
		For Elevated Installation >15' To 20', Add	*51.83*	
		For Elevated Installation >20' To 25', Add	*64.79*	
		For Elevated Installation >25' To 30', Add	*90.71*	
		For Elevated Installation >30' To 35', Add	*103.67*	
		For Elevated Installation >35' To 40', Add	*129.59*	
		For Elevated Installation >40', Add	*142.54*	
26 05 33 13-0086	EA	6" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	776.13	155.72
		For Work In Restricted Working Space, Add	*116.78*	
		For Elevated Installation >10' To 15', Add	*38.93*	
		For Elevated Installation >15' To 20', Add	*77.86*	
		For Elevated Installation >20' To 25', Add	*97.32*	
		For Elevated Installation >25' To 30', Add	*136.25*	
		For Elevated Installation >30' To 35', Add	*155.71*	
		For Elevated Installation >35' To 40', Add	*194.64*	
		For Elevated Installation >40', Add	*214.10*	

26 05 33 13-0087 Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0088	EA	1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	34.36	11.40
		For Work In Restricted Working Space, Add	*8.58*	
		For Elevated Installation >10' To 15', Add	*2.86*	
		For Elevated Installation >15' To 20', Add	*5.72*	
		For Elevated Installation >20' To 25', Add	*7.15*	
		For Elevated Installation >25' To 30', Add	*10.01*	
		For Elevated Installation >30' To 35', Add	*11.44*	
		For Elevated Installation >35' To 40', Add	*14.30*	
		For Elevated Installation >40', Add	*15.73*	
26 05 33 13-0089	EA	3/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	43.16	14.16
		For Work In Restricted Working Space, Add	*10.67*	
		For Elevated Installation >10' To 15', Add	*3.56*	
		For Elevated Installation >15' To 20', Add	*7.11*	
		For Elevated Installation >20' To 25', Add	*8.89*	
		For Elevated Installation >25' To 30', Add	*12.45*	
		For Elevated Installation >30' To 35', Add	*14.22*	
		For Elevated Installation >35' To 40', Add	*17.78*	
		For Elevated Installation >40', Add	*19.56*	
26 05 33 13-0090	EA	1" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	55.05	17.39
		For Work In Restricted Working Space, Add	*13.01*	
		For Elevated Installation >10' To 15', Add	*4.34*	
		For Elevated Installation >15' To 20', Add	*8.67*	
		For Elevated Installation >20' To 25', Add	*10.84*	
		For Elevated Installation >25' To 30', Add	*15.18*	
		For Elevated Installation >30' To 35', Add	*17.34*	
		For Elevated Installation >35' To 40', Add	*21.68*	
		For Elevated Installation >40', Add	*23.85*	
26 05 33 13-0091	EA	1-1/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	70.34	20.16
		For Work In Restricted Working Space, Add	*15.11*	
		For Elevated Installation >10' To 15', Add	*5.04*	
		For Elevated Installation >15' To 20', Add	*10.07*	
		For Elevated Installation >20' To 25', Add	*12.59*	
		For Elevated Installation >25' To 30', Add	*17.62*	
		For Elevated Installation >30' To 35', Add	*20.14*	
		For Elevated Installation >35' To 40', Add	*25.18*	
		For Elevated Installation >40', Add	*27.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0092	EA	1-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	81.64	23.15
		For Work In Restricted Working Space, Add	*17.34*	
		For Elevated Installation >10' To 15', Add	*5.78*	
		For Elevated Installation >15' To 20', Add	*11.56*	
		For Elevated Installation >20' To 25', Add	*14.45*	
		For Elevated Installation >25' To 30', Add	*20.23*	
		For Elevated Installation >30' To 35', Add	*23.12*	
		For Elevated Installation >35' To 40', Add	*28.90*	
		For Elevated Installation >40', Add	*31.78*	
26 05 33 13-0093	EA	2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	96.35	25.45
		For Work In Restricted Working Space, Add	*19.07*	
		For Elevated Installation >10' To 15', Add	*6.36*	
		For Elevated Installation >15' To 20', Add	*12.71*	
		For Elevated Installation >20' To 25', Add	*15.89*	
		For Elevated Installation >25' To 30', Add	*22.25*	
		For Elevated Installation >30' To 35', Add	*25.43*	
		For Elevated Installation >35' To 40', Add	*31.79*	
		For Elevated Installation >40', Add	*34.96*	
26 05 33 13-0094	EA	2-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	135.51	31.79
		For Work In Restricted Working Space, Add	*23.84*	
		For Elevated Installation >10' To 15', Add	*7.95*	
		For Elevated Installation >15' To 20', Add	*15.89*	
		For Elevated Installation >20' To 25', Add	*19.87*	
		For Elevated Installation >25' To 30', Add	*27.81*	
		For Elevated Installation >30' To 35', Add	*31.79*	
		For Elevated Installation >35' To 40', Add	*39.74*	
		For Elevated Installation >40', Add	*43.71*	
26 05 33 13-0095	EA	3" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	185.98	43.31
		For Work In Restricted Working Space, Add	*32.48*	
		For Elevated Installation >10' To 15', Add	*10.83*	
		For Elevated Installation >15' To 20', Add	*21.65*	
		For Elevated Installation >20' To 25', Add	*27.06*	
		For Elevated Installation >25' To 30', Add	*37.89*	
		For Elevated Installation >30' To 35', Add	*43.30*	
		For Elevated Installation >35' To 40', Add	*54.13*	
		For Elevated Installation >40', Add	*59.54*	
26 05 33 13-0096	EA	3-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	245.08	48.84
		For Work In Restricted Working Space, Add	*36.63*	
		For Elevated Installation >10' To 15', Add	*12.21*	
		For Elevated Installation >15' To 20', Add	*24.42*	
		For Elevated Installation >20' To 25', Add	*30.53*	
		For Elevated Installation >25' To 30', Add	*42.74*	
		For Elevated Installation >30' To 35', Add	*48.84*	
		For Elevated Installation >35' To 40', Add	*61.06*	
		For Elevated Installation >40', Add	*67.16*	
26 05 33 13-0097	EA	4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	298.33	63.58
		For Work In Restricted Working Space, Add	*47.68*	
		For Elevated Installation >10' To 15', Add	*15.89*	
		For Elevated Installation >15' To 20', Add	*31.78*	
		For Elevated Installation >20' To 25', Add	*39.73*	
		For Elevated Installation >25' To 30', Add	*55.62*	
		For Elevated Installation >30' To 35', Add	*63.57*	
		For Elevated Installation >35' To 40', Add	*79.46*	
		For Elevated Installation >40', Add	*87.41*	
26 05 33 13-0098	EA	5" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	516.26	103.66
		For Work In Restricted Working Space, Add	*77.75*	
		For Elevated Installation >10' To 15', Add	*25.92*	
		For Elevated Installation >15' To 20', Add	*51.83*	
		For Elevated Installation >20' To 25', Add	*64.79*	
		For Elevated Installation >25' To 30', Add	*90.71*	
		For Elevated Installation >30' To 35', Add	*103.66*	
		For Elevated Installation >35' To 40', Add	*129.58*	
		For Elevated Installation >40', Add	*142.54*	
26 05 33 13-0099	EA	6" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	776.13	155.72
		For Work In Restricted Working Space, Add	*116.78*	
		For Elevated Installation >10' To 15', Add	*38.93*	
		For Elevated Installation >15' To 20', Add	*77.86*	
		For Elevated Installation >20' To 25', Add	*97.32*	
		For Elevated Installation >25' To 30', Add	*136.25*	
		For Elevated Installation >30' To 35', Add	*155.71*	
		For Elevated Installation >35' To 40', Add	*194.64*	
		For Elevated Installation >40', Add	*214.10*	

26 05 33 13-0100 Rigid Galvanized Steel (RGS) 12" Large Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0101	EA	1" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	84.74	28.45
		For Work In Restricted Working Space, Add	*17.07*	
		For Elevated Installation >10' To 15', Add	*5.69*	
		For Elevated Installation >15' To 20', Add	*11.38*	
		For Elevated Installation >20' To 25', Add	*14.23*	
		For Elevated Installation >25' To 30', Add	*19.92*	
		For Elevated Installation >30' To 35', Add	*22.76*	
		For Elevated Installation >35' To 40', Add	*28.45*	
		For Elevated Installation >40', Add	*31.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0102	EA	1-1/4" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	97.66	32.94
		For Work In Restricted Working Space, Add	*19.76*	
		For Elevated Installation >10' To 15', Add	*6.59*	
		For Elevated Installation >15' To 20', Add	*13.18*	
		For Elevated Installation >20' To 25', Add	*16.47*	
		For Elevated Installation >25' To 30', Add	*23.06*	
		For Elevated Installation >30' To 35', Add	*26.35*	
		For Elevated Installation >35' To 40', Add	*32.94*	
		For Elevated Installation >40', Add	*36.23*	
26 05 33 13-0103	EA	1-1/2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	112.93	37.43
		For Work In Restricted Working Space, Add	*22.46*	
		For Elevated Installation >10' To 15', Add	*7.49*	
		For Elevated Installation >15' To 20', Add	*14.97*	
		For Elevated Installation >20' To 25', Add	*18.72*	
		For Elevated Installation >25' To 30', Add	*26.20*	
		For Elevated Installation >30' To 35', Add	*29.94*	
		For Elevated Installation >35' To 40', Add	*37.43*	
		For Elevated Installation >40', Add	*41.17*	
26 05 33 13-0104	EA	2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	127.21	41.18
		For Work In Restricted Working Space, Add	*24.71*	
		For Elevated Installation >10' To 15', Add	*8.24*	
		For Elevated Installation >15' To 20', Add	*16.47*	
		For Elevated Installation >20' To 25', Add	*20.59*	
		For Elevated Installation >25' To 30', Add	*28.82*	
		For Elevated Installation >30' To 35', Add	*32.94*	
		For Elevated Installation >35' To 40', Add	*41.18*	
		For Elevated Installation >40', Add	*45.29*	

26 05 33 13-0105 Rigid Galvanized Steel (RGS) 15" Large Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0106	EA	1" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	91.97	28.45
		For Work In Restricted Working Space, Add	*17.07*	
		For Elevated Installation >10' To 15', Add	*5.69*	
		For Elevated Installation >15' To 20', Add	*11.38*	
		For Elevated Installation >20' To 25', Add	*14.23*	
		For Elevated Installation >25' To 30', Add	*19.92*	
		For Elevated Installation >30' To 35', Add	*22.76*	
		For Elevated Installation >35' To 40', Add	*28.45*	
		For Elevated Installation >40', Add	*31.30*	
26 05 33 13-0107	EA	1-1/4" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	106.94	32.94
		For Work In Restricted Working Space, Add	*19.76*	
		For Elevated Installation >10' To 15', Add	*6.59*	
		For Elevated Installation >15' To 20', Add	*13.18*	
		For Elevated Installation >20' To 25', Add	*16.47*	
		For Elevated Installation >25' To 30', Add	*23.06*	
		For Elevated Installation >30' To 35', Add	*26.35*	
		For Elevated Installation >35' To 40', Add	*32.94*	
		For Elevated Installation >40', Add	*36.23*	
26 05 33 13-0108	EA	1-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	117.16	37.43
		For Work In Restricted Working Space, Add	*22.46*	
		For Elevated Installation >10' To 15', Add	*7.49*	
		For Elevated Installation >15' To 20', Add	*14.97*	
		For Elevated Installation >20' To 25', Add	*18.72*	
		For Elevated Installation >25' To 30', Add	*26.20*	
		For Elevated Installation >30' To 35', Add	*29.94*	
		For Elevated Installation >35' To 40', Add	*37.43*	
		For Elevated Installation >40', Add	*41.17*	
26 05 33 13-0109	EA	2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	131.93	41.18
		For Work In Restricted Working Space, Add	*24.71*	
		For Elevated Installation >10' To 15', Add	*8.24*	
		For Elevated Installation >15' To 20', Add	*16.47*	
		For Elevated Installation >20' To 25', Add	*20.59*	
		For Elevated Installation >25' To 30', Add	*28.82*	
		For Elevated Installation >30' To 35', Add	*32.94*	
		For Elevated Installation >35' To 40', Add	*41.18*	
		For Elevated Installation >40', Add	*45.29*	
26 05 33 13-0110	EA	2-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	175.27	51.66
		For Work In Restricted Working Space, Add	*30.99*	
		For Elevated Installation >10' To 15', Add	*10.33*	
		For Elevated Installation >15' To 20', Add	*20.66*	
		For Elevated Installation >20' To 25', Add	*25.83*	
		For Elevated Installation >25' To 30', Add	*36.16*	
		For Elevated Installation >30' To 35', Add	*41.32*	
		For Elevated Installation >35' To 40', Add	*51.66*	
		For Elevated Installation >40', Add	*56.82*	
26 05 33 13-0111	EA	3" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	235.92	70.37
		For Work In Restricted Working Space, Add	*42.23*	
		For Elevated Installation >10' To 15', Add	*14.08*	
		For Elevated Installation >15' To 20', Add	*28.15*	
		For Elevated Installation >20' To 25', Add	*35.19*	
		For Elevated Installation >25' To 30', Add	*49.26*	
		For Elevated Installation >30' To 35', Add	*56.30*	
		For Elevated Installation >35' To 40', Add	*70.38*	
		For Elevated Installation >40', Add	*77.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0112		Rigid Galvanized Steel (RGS) 18" Large Radius Elbow *(26 05 33 13-0060)*		
		See CSI section 26 05 33 13-2319 for conduit field bending.		
26 05 33 13-0113	EA	1" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	92.31	28.45
		For Work In Restricted Working Space, Add	*17.07*	
		For Elevated Installation >10' To 15', Add	*5.69*	
		For Elevated Installation >15' To 20', Add	*11.38*	
		For Elevated Installation >20' To 25', Add	*14.23*	
		For Elevated Installation >25' To 30', Add	*19.92*	
		For Elevated Installation >30' To 35', Add	*22.76*	
		For Elevated Installation >35' To 40', Add	*28.45*	
		For Elevated Installation >40', Add	*31.30*	
26 05 33 13-0114	EA	1-1/4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	106.03	32.94
		For Work In Restricted Working Space, Add	*19.76*	
		For Elevated Installation >10' To 15', Add	*6.59*	
		For Elevated Installation >15' To 20', Add	*13.18*	
		For Elevated Installation >20' To 25', Add	*16.47*	
		For Elevated Installation >25' To 30', Add	*23.06*	
		For Elevated Installation >30' To 35', Add	*26.35*	
		For Elevated Installation >35' To 40', Add	*32.94*	
		For Elevated Installation >40', Add	*36.23*	
26 05 33 13-0115	EA	1-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	121.73	37.43
		For Work In Restricted Working Space, Add	*22.46*	
		For Elevated Installation >10' To 15', Add	*7.49*	
		For Elevated Installation >15' To 20', Add	*14.97*	
		For Elevated Installation >20' To 25', Add	*18.72*	
		For Elevated Installation >25' To 30', Add	*26.20*	
		For Elevated Installation >30' To 35', Add	*29.94*	
		For Elevated Installation >35' To 40', Add	*37.43*	
		For Elevated Installation >40', Add	*41.17*	
26 05 33 13-0116	EA	2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	142.16	41.18
		For Work In Restricted Working Space, Add	*24.71*	
		For Elevated Installation >10' To 15', Add	*8.24*	
		For Elevated Installation >15' To 20', Add	*16.47*	
		For Elevated Installation >20' To 25', Add	*20.59*	
		For Elevated Installation >25' To 30', Add	*28.82*	
		For Elevated Installation >30' To 35', Add	*32.94*	
		For Elevated Installation >35' To 40', Add	*41.18*	
		For Elevated Installation >40', Add	*45.29*	
26 05 33 13-0117	EA	2-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	184.80	51.66
		For Work In Restricted Working Space, Add	*30.99*	
		For Elevated Installation >10' To 15', Add	*10.33*	
		For Elevated Installation >15' To 20', Add	*20.66*	
		For Elevated Installation >20' To 25', Add	*25.83*	
		For Elevated Installation >25' To 30', Add	*36.16*	
		For Elevated Installation >30' To 35', Add	*41.32*	
		For Elevated Installation >35' To 40', Add	*51.66*	
		For Elevated Installation >40', Add	*56.82*	
26 05 33 13-0118	EA	3" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	243.61	70.37
		For Work In Restricted Working Space, Add	*42.23*	
		For Elevated Installation >10' To 15', Add	*14.08*	
		For Elevated Installation >15' To 20', Add	*28.15*	
		For Elevated Installation >20' To 25', Add	*35.19*	
		For Elevated Installation >25' To 30', Add	*49.26*	
		For Elevated Installation >30' To 35', Add	*56.30*	
		For Elevated Installation >35' To 40', Add	*70.38*	
		For Elevated Installation >40', Add	*77.41*	
26 05 33 13-0119	EA	3-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	304.11	79.35
		For Work In Restricted Working Space, Add	*47.62*	
		For Elevated Installation >10' To 15', Add	*15.87*	
		For Elevated Installation >15' To 20', Add	*31.74*	
		For Elevated Installation >20' To 25', Add	*39.68*	
		For Elevated Installation >25' To 30', Add	*55.55*	
		For Elevated Installation >30' To 35', Add	*63.49*	
		For Elevated Installation >35' To 40', Add	*79.36*	
		For Elevated Installation >40', Add	*87.30*	
26 05 33 13-0120	EA	4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	369.08	103.31
		For Work In Restricted Working Space, Add	*61.99*	
		For Elevated Installation >10' To 15', Add	*20.66*	
		For Elevated Installation >15' To 20', Add	*41.33*	
		For Elevated Installation >20' To 25', Add	*51.66*	
		For Elevated Installation >25' To 30', Add	*72.32*	
		For Elevated Installation >30' To 35', Add	*82.65*	
		For Elevated Installation >35' To 40', Add	*103.32*	
		For Elevated Installation >40', Add	*113.65*	
26 05 33 13-0121		Rigid Galvanized Steel (RGS) 24" Large Radius Elbow *(26 05 33 13-0060)*		
		See CSI section 26 05 33 13-2319 for conduit field bending.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0122	EA	1" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	103.82	28.45
		For Work In Restricted Working Space, Add	*17.07*	
		For Elevated Installation >10' To 15', Add	*5.69*	
		For Elevated Installation >15' To 20', Add	*11.38*	
		For Elevated Installation >20' To 25', Add	*14.23*	
		For Elevated Installation >25' To 30', Add	*19.92*	
		For Elevated Installation >30' To 35', Add	*22.76*	
		For Elevated Installation >35' To 40', Add	*28.45*	
		For Elevated Installation >40', Add	*31.30*	
26 05 33 13-0123	EA	1-1/4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	117.32	32.94
		For Work In Restricted Working Space, Add	*19.76*	
		For Elevated Installation >10' To 15', Add	*6.59*	
		For Elevated Installation >15' To 20', Add	*13.18*	
		For Elevated Installation >20' To 25', Add	*16.47*	
		For Elevated Installation >25' To 30', Add	*23.06*	
		For Elevated Installation >30' To 35', Add	*26.35*	
		For Elevated Installation >35' To 40', Add	*32.94*	
		For Elevated Installation >40', Add	*36.23*	
26 05 33 13-0124	EA	1-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	130.19	37.43
		For Work In Restricted Working Space, Add	*22.46*	
		For Elevated Installation >10' To 15', Add	*7.49*	
		For Elevated Installation >15' To 20', Add	*14.97*	
		For Elevated Installation >20' To 25', Add	*18.72*	
		For Elevated Installation >25' To 30', Add	*26.20*	
		For Elevated Installation >30' To 35', Add	*29.94*	
		For Elevated Installation >35' To 40', Add	*37.43*	
		For Elevated Installation >40', Add	*41.17*	
26 05 33 13-0125	EA	2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	154.63	41.18
		For Work In Restricted Working Space, Add	*24.71*	
		For Elevated Installation >10' To 15', Add	*8.24*	
		For Elevated Installation >15' To 20', Add	*16.47*	
		For Elevated Installation >20' To 25', Add	*20.59*	
		For Elevated Installation >25' To 30', Add	*28.82*	
		For Elevated Installation >30' To 35', Add	*32.94*	
		For Elevated Installation >35' To 40', Add	*41.18*	
		For Elevated Installation >40', Add	*45.29*	
26 05 33 13-0126	EA	2-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	201.81	51.66
		For Work In Restricted Working Space, Add	*30.99*	
		For Elevated Installation >10' To 15', Add	*10.33*	
		For Elevated Installation >15' To 20', Add	*20.66*	
		For Elevated Installation >20' To 25', Add	*25.83*	
		For Elevated Installation >25' To 30', Add	*36.16*	
		For Elevated Installation >30' To 35', Add	*41.32*	
		For Elevated Installation >35' To 40', Add	*51.66*	
		For Elevated Installation >40', Add	*56.82*	
26 05 33 13-0127	EA	3" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	270.27	70.37
		For Work In Restricted Working Space, Add	*42.23*	
		For Elevated Installation >10' To 15', Add	*14.08*	
		For Elevated Installation >15' To 20', Add	*28.15*	
		For Elevated Installation >20' To 25', Add	*35.19*	
		For Elevated Installation >25' To 30', Add	*49.26*	
		For Elevated Installation >30' To 35', Add	*56.30*	
		For Elevated Installation >35' To 40', Add	*70.38*	
		For Elevated Installation >40', Add	*77.41*	
26 05 33 13-0128	EA	3-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	330.03	79.35
		For Work In Restricted Working Space, Add	*47.62*	
		For Elevated Installation >10' To 15', Add	*15.87*	
		For Elevated Installation >15' To 20', Add	*31.74*	
		For Elevated Installation >20' To 25', Add	*39.68*	
		For Elevated Installation >25' To 30', Add	*55.55*	
		For Elevated Installation >30' To 35', Add	*63.49*	
		For Elevated Installation >35' To 40', Add	*79.36*	
		For Elevated Installation >40', Add	*87.30*	
26 05 33 13-0129	EA	4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	389.75	103.31
		For Work In Restricted Working Space, Add	*61.99*	
		For Elevated Installation >10' To 15', Add	*20.66*	
		For Elevated Installation >15' To 20', Add	*41.33*	
		For Elevated Installation >20' To 25', Add	*51.66*	
		For Elevated Installation >25' To 30', Add	*72.32*	
		For Elevated Installation >30' To 35', Add	*82.65*	
		For Elevated Installation >35' To 40', Add	*103.32*	
		For Elevated Installation >40', Add	*113.65*	

26 05 33 13-0130 Rigid Galvanized Steel (RGS) 30" Large Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0131	EA	1" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	103.12	28.45
		For Work In Restricted Working Space, Add	*17.07*	
		For Elevated Installation >10' To 15', Add	*5.69*	
		For Elevated Installation >15' To 20', Add	*11.38*	
		For Elevated Installation >20' To 25', Add	*14.23*	
		For Elevated Installation >25' To 30', Add	*19.92*	
		For Elevated Installation >30' To 35', Add	*22.76*	
		For Elevated Installation >35' To 40', Add	*28.45*	
		For Elevated Installation >40', Add	*31.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0132	EA	1-1/4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	125.72	32.94
		For Work In Restricted Working Space, Add	*19.76*	
		For Elevated Installation >10' To 15', Add	*6.59*	
		For Elevated Installation >15' To 20', Add	*13.18*	
		For Elevated Installation >20' To 25', Add	*16.47*	
		For Elevated Installation >25' To 30', Add	*23.06*	
		For Elevated Installation >30' To 35', Add	*26.35*	
		For Elevated Installation >35' To 40', Add	*32.94*	
		For Elevated Installation >40', Add	*36.23*	
26 05 33 13-0133	EA	1-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	139.29	37.43
		For Work In Restricted Working Space, Add	*22.46*	
		For Elevated Installation >10' To 15', Add	*7.49*	
		For Elevated Installation >15' To 20', Add	*14.97*	
		For Elevated Installation >20' To 25', Add	*18.72*	
		For Elevated Installation >25' To 30', Add	*26.20*	
		For Elevated Installation >30' To 35', Add	*29.94*	
		For Elevated Installation >35' To 40', Add	*37.43*	
		For Elevated Installation >40', Add	*41.17*	
26 05 33 13-0134	EA	2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	166.52	41.18
		For Work In Restricted Working Space, Add	*24.71*	
		For Elevated Installation >10' To 15', Add	*8.24*	
		For Elevated Installation >15' To 20', Add	*16.47*	
		For Elevated Installation >20' To 25', Add	*20.59*	
		For Elevated Installation >25' To 30', Add	*28.82*	
		For Elevated Installation >30' To 35', Add	*32.94*	
		For Elevated Installation >35' To 40', Add	*41.18*	
		For Elevated Installation >40', Add	*45.29*	
26 05 33 13-0135	EA	2-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	218.13	51.66
		For Work In Restricted Working Space, Add	*30.99*	
		For Elevated Installation >10' To 15', Add	*10.33*	
		For Elevated Installation >15' To 20', Add	*20.66*	
		For Elevated Installation >20' To 25', Add	*25.83*	
		For Elevated Installation >25' To 30', Add	*36.16*	
		For Elevated Installation >30' To 35', Add	*41.32*	
		For Elevated Installation >35' To 40', Add	*51.66*	
		For Elevated Installation >40', Add	*56.82*	
26 05 33 13-0136	EA	3" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	291.33	70.37
		For Work In Restricted Working Space, Add	*42.23*	
		For Elevated Installation >10' To 15', Add	*14.08*	
		For Elevated Installation >15' To 20', Add	*28.15*	
		For Elevated Installation >20' To 25', Add	*35.19*	
		For Elevated Installation >25' To 30', Add	*49.26*	
		For Elevated Installation >30' To 35', Add	*56.30*	
		For Elevated Installation >35' To 40', Add	*70.38*	
		For Elevated Installation >40', Add	*77.41*	
26 05 33 13-0137	EA	3-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	355.66	79.35
		For Work In Restricted Working Space, Add	*47.62*	
		For Elevated Installation >10' To 15', Add	*15.87*	
		For Elevated Installation >15' To 20', Add	*31.74*	
		For Elevated Installation >20' To 25', Add	*39.68*	
		For Elevated Installation >25' To 30', Add	*55.55*	
		For Elevated Installation >30' To 35', Add	*63.49*	
		For Elevated Installation >35' To 40', Add	*79.36*	
		For Elevated Installation >40', Add	*87.30*	
26 05 33 13-0138	EA	4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	427.68	103.31
		For Work In Restricted Working Space, Add	*61.99*	
		For Elevated Installation >10' To 15', Add	*20.66*	
		For Elevated Installation >15' To 20', Add	*41.33*	
		For Elevated Installation >20' To 25', Add	*51.66*	
		For Elevated Installation >25' To 30', Add	*72.32*	
		For Elevated Installation >30' To 35', Add	*82.65*	
		For Elevated Installation >35' To 40', Add	*103.32*	
		For Elevated Installation >40', Add	*113.65*	
26 05 33 13-0139	EA	5" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	620.83	168.45
		For Work In Restricted Working Space, Add	*101.07*	
		For Elevated Installation >10' To 15', Add	*33.69*	
		For Elevated Installation >15' To 20', Add	*67.38*	
		For Elevated Installation >20' To 25', Add	*84.23*	
		For Elevated Installation >25' To 30', Add	*117.92*	
		For Elevated Installation >30' To 35', Add	*134.76*	
		For Elevated Installation >35' To 40', Add	*168.45*	
		For Elevated Installation >40', Add	*185.30*	
26 05 33 13-0140		Rigid Galvanized Steel (RGS) 36" Large Radius Elbow *(26 05 33 13-0060)*		
		See CSI section 26 05 33 13-2319 for conduit field bending.		
26 05 33 13-0141	EA	1" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	109.27	28.45
		For Work In Restricted Working Space, Add	*17.07*	
		For Elevated Installation >10' To 15', Add	*5.69*	
		For Elevated Installation >15' To 20', Add	*11.38*	
		For Elevated Installation >20' To 25', Add	*14.23*	
		For Elevated Installation >25' To 30', Add	*19.92*	
		For Elevated Installation >30' To 35', Add	*22.76*	
		For Elevated Installation >35' To 40', Add	*28.45*	
		For Elevated Installation >40', Add	*31.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0142	EA	1-1/4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	129.86	32.94
		For Work In Restricted Working Space, Add	*19.76*	
		For Elevated Installation >10' To 15', Add	*6.59*	
		For Elevated Installation >15' To 20', Add	*13.18*	
		For Elevated Installation >20' To 25', Add	*16.47*	
		For Elevated Installation >25' To 30', Add	*23.06*	
		For Elevated Installation >30' To 35', Add	*26.35*	
		For Elevated Installation >35' To 40', Add	*32.94*	
		For Elevated Installation >40', Add	*36.23*	
26 05 33 13-0143	EA	1-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	155.22	37.43
		For Work In Restricted Working Space, Add	*22.46*	
		For Elevated Installation >10' To 15', Add	*7.49*	
		For Elevated Installation >15' To 20', Add	*14.97*	
		For Elevated Installation >20' To 25', Add	*18.72*	
		For Elevated Installation >25' To 30', Add	*26.20*	
		For Elevated Installation >30' To 35', Add	*29.94*	
		For Elevated Installation >35' To 40', Add	*37.43*	
		For Elevated Installation >40', Add	*41.17*	
26 05 33 13-0144	EA	2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	175.80	41.18
		For Work In Restricted Working Space, Add	*24.71*	
		For Elevated Installation >10' To 15', Add	*8.24*	
		For Elevated Installation >15' To 20', Add	*16.47*	
		For Elevated Installation >20' To 25', Add	*20.59*	
		For Elevated Installation >25' To 30', Add	*28.82*	
		For Elevated Installation >30' To 35', Add	*32.94*	
		For Elevated Installation >35' To 40', Add	*41.18*	
		For Elevated Installation >40', Add	*45.29*	
26 05 33 13-0145	EA	2-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	237.48	51.66
		For Work In Restricted Working Space, Add	*30.99*	
		For Elevated Installation >10' To 15', Add	*10.33*	
		For Elevated Installation >15' To 20', Add	*20.66*	
		For Elevated Installation >20' To 25', Add	*25.83*	
		For Elevated Installation >25' To 30', Add	*36.16*	
		For Elevated Installation >30' To 35', Add	*41.32*	
		For Elevated Installation >35' To 40', Add	*51.66*	
		For Elevated Installation >40', Add	*56.82*	
26 05 33 13-0146	EA	3" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	309.34	70.37
		For Work In Restricted Working Space, Add	*42.23*	
		For Elevated Installation >10' To 15', Add	*14.08*	
		For Elevated Installation >15' To 20', Add	*28.15*	
		For Elevated Installation >20' To 25', Add	*35.19*	
		For Elevated Installation >25' To 30', Add	*49.26*	
		For Elevated Installation >30' To 35', Add	*56.30*	
		For Elevated Installation >35' To 40', Add	*70.38*	
		For Elevated Installation >40', Add	*77.41*	
26 05 33 13-0147	EA	3-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	388.76	79.35
		For Work In Restricted Working Space, Add	*47.62*	
		For Elevated Installation >10' To 15', Add	*15.87*	
		For Elevated Installation >15' To 20', Add	*31.74*	
		For Elevated Installation >20' To 25', Add	*39.68*	
		For Elevated Installation >25' To 30', Add	*55.55*	
		For Elevated Installation >30' To 35', Add	*63.49*	
		For Elevated Installation >35' To 40', Add	*79.36*	
		For Elevated Installation >40', Add	*87.30*	
26 05 33 13-0148	EA	4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	445.53	103.31
		For Work In Restricted Working Space, Add	*61.99*	
		For Elevated Installation >10' To 15', Add	*20.66*	
		For Elevated Installation >15' To 20', Add	*41.33*	
		For Elevated Installation >20' To 25', Add	*51.66*	
		For Elevated Installation >25' To 30', Add	*72.32*	
		For Elevated Installation >30' To 35', Add	*82.65*	
		For Elevated Installation >35' To 40', Add	*103.32*	
		For Elevated Installation >40', Add	*113.65*	
26 05 33 13-0149	EA	5" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	766.44	168.45
		For Work In Restricted Working Space, Add	*101.07*	
		For Elevated Installation >10' To 15', Add	*33.69*	
		For Elevated Installation >15' To 20', Add	*67.38*	
		For Elevated Installation >20' To 25', Add	*84.23*	
		For Elevated Installation >25' To 30', Add	*117.92*	
		For Elevated Installation >30' To 35', Add	*134.76*	
		For Elevated Installation >35' To 40', Add	*168.45*	
		For Elevated Installation >40', Add	*185.30*	
26 05 33 13-0150	EA	6" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	978.00	253.05
		For Work In Restricted Working Space, Add	*151.83*	
		For Elevated Installation >10' To 15', Add	*50.61*	
		For Elevated Installation >15' To 20', Add	*101.22*	
		For Elevated Installation >20' To 25', Add	*126.53*	
		For Elevated Installation >25' To 30', Add	*177.14*	
		For Elevated Installation >30' To 35', Add	*202.44*	
		For Elevated Installation >35' To 40', Add	*253.05*	
		For Elevated Installation >40', Add	*278.36*	

26 05 33 13-0151 Rigid Galvanized Steel (RGS) 42" Large Radius Elbow *(26 05 33 13-0060)*
See CSI section 26 05 33 13-2319 for conduit field bending.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0152	EA	1" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	118.28	28.45
		For Work In Restricted Working Space, Add	*17.07*	
		For Elevated Installation >10' To 15', Add	*5.69*	
		For Elevated Installation >15' To 20', Add	*11.38*	
		For Elevated Installation >20' To 25', Add	*14.23*	
		For Elevated Installation >25' To 30', Add	*19.92*	
		For Elevated Installation >30' To 35', Add	*22.76*	
		For Elevated Installation >35' To 40', Add	*28.45*	
		For Elevated Installation >40', Add	*31.30*	
26 05 33 13-0153	EA	1-1/4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	140.86	32.94
		For Work In Restricted Working Space, Add	*19.76*	
		For Elevated Installation >10' To 15', Add	*6.59*	
		For Elevated Installation >15' To 20', Add	*13.18*	
		For Elevated Installation >20' To 25', Add	*16.47*	
		For Elevated Installation >25' To 30', Add	*23.06*	
		For Elevated Installation >30' To 35', Add	*26.35*	
		For Elevated Installation >35' To 40', Add	*32.94*	
		For Elevated Installation >40', Add	*36.23*	
26 05 33 13-0154	EA	1-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	166.92	37.43
		For Work In Restricted Working Space, Add	*22.46*	
		For Elevated Installation >10' To 15', Add	*7.49*	
		For Elevated Installation >15' To 20', Add	*14.97*	
		For Elevated Installation >20' To 25', Add	*18.72*	
		For Elevated Installation >25' To 30', Add	*26.20*	
		For Elevated Installation >30' To 35', Add	*29.94*	
		For Elevated Installation >35' To 40', Add	*37.43*	
		For Elevated Installation >40', Add	*41.17*	
26 05 33 13-0155	EA	2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	188.03	41.18
		For Work In Restricted Working Space, Add	*24.71*	
		For Elevated Installation >10' To 15', Add	*8.24*	
		For Elevated Installation >15' To 20', Add	*16.47*	
		For Elevated Installation >20' To 25', Add	*20.59*	
		For Elevated Installation >25' To 30', Add	*28.82*	
		For Elevated Installation >30' To 35', Add	*32.94*	
		For Elevated Installation >35' To 40', Add	*41.18*	
		For Elevated Installation >40', Add	*45.29*	
26 05 33 13-0156	EA	2-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	252.29	51.66
		For Work In Restricted Working Space, Add	*31.00*	
		For Elevated Installation >10' To 15', Add	*10.33*	
		For Elevated Installation >15' To 20', Add	*20.66*	
		For Elevated Installation >20' To 25', Add	*25.83*	
		For Elevated Installation >25' To 30', Add	*36.16*	
		For Elevated Installation >30' To 35', Add	*41.33*	
		For Elevated Installation >35' To 40', Add	*51.66*	
		For Elevated Installation >40', Add	*56.83*	
26 05 33 13-0157	EA	3" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	335.72	70.37
		For Work In Restricted Working Space, Add	*42.23*	
		For Elevated Installation >10' To 15', Add	*14.08*	
		For Elevated Installation >15' To 20', Add	*28.15*	
		For Elevated Installation >20' To 25', Add	*35.19*	
		For Elevated Installation >25' To 30', Add	*49.26*	
		For Elevated Installation >30' To 35', Add	*56.30*	
		For Elevated Installation >35' To 40', Add	*70.38*	
		For Elevated Installation >40', Add	*77.41*	
26 05 33 13-0158	EA	3-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	415.22	79.35
		For Work In Restricted Working Space, Add	*47.62*	
		For Elevated Installation >10' To 15', Add	*15.87*	
		For Elevated Installation >15' To 20', Add	*31.74*	
		For Elevated Installation >20' To 25', Add	*39.68*	
		For Elevated Installation >25' To 30', Add	*55.55*	
		For Elevated Installation >30' To 35', Add	*63.49*	
		For Elevated Installation >35' To 40', Add	*79.36*	
		For Elevated Installation >40', Add	*87.30*	
26 05 33 13-0159	EA	4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	521.67	103.31
		For Work In Restricted Working Space, Add	*61.99*	
		For Elevated Installation >10' To 15', Add	*20.66*	
		For Elevated Installation >15' To 20', Add	*41.33*	
		For Elevated Installation >20' To 25', Add	*51.66*	
		For Elevated Installation >25' To 30', Add	*72.32*	
		For Elevated Installation >30' To 35', Add	*82.65*	
		For Elevated Installation >35' To 40', Add	*103.32*	
		For Elevated Installation >40', Add	*113.65*	
26 05 33 13-0160	EA	5" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	871.48	168.45
		For Work In Restricted Working Space, Add	*101.07*	
		For Elevated Installation >10' To 15', Add	*33.69*	
		For Elevated Installation >15' To 20', Add	*67.38*	
		For Elevated Installation >20' To 25', Add	*84.23*	
		For Elevated Installation >25' To 30', Add	*117.92*	
		For Elevated Installation >30' To 35', Add	*134.76*	
		For Elevated Installation >35' To 40', Add	*168.45*	
		For Elevated Installation >40', Add	*185.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0161	EA	6" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	1,068.96	253.05
		For Work In Restricted Working Space, Add	*151.83*	
		For Elevated Installation >10' To 15', Add	*50.61*	
		For Elevated Installation >15' To 20', Add	*101.22*	
		For Elevated Installation >20' To 25', Add	*126.53*	
		For Elevated Installation >25' To 30', Add	*177.14*	
		For Elevated Installation >30' To 35', Add	*202.44*	
		For Elevated Installation >35' To 40', Add	*253.05*	
		For Elevated Installation >40', Add	*278.36*	

26 05 33 13-0162 Rigid Galvanized Steel (RGS) 48" Large Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0163	EA	1" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	125.78	28.45
		For Work In Restricted Working Space, Add	*17.07*	
		For Elevated Installation >10' To 15', Add	*5.69*	
		For Elevated Installation >15' To 20', Add	*11.38*	
		For Elevated Installation >20' To 25', Add	*14.23*	
		For Elevated Installation >25' To 30', Add	*19.92*	
		For Elevated Installation >30' To 35', Add	*22.76*	
		For Elevated Installation >35' To 40', Add	*28.45*	
		For Elevated Installation >40', Add	*31.30*	
26 05 33 13-0164	EA	1-1/4" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	149.34	32.94
		For Work In Restricted Working Space, Add	*19.76*	
		For Elevated Installation >10' To 15', Add	*6.59*	
		For Elevated Installation >15' To 20', Add	*13.18*	
		For Elevated Installation >20' To 25', Add	*16.47*	
		For Elevated Installation >25' To 30', Add	*23.06*	
		For Elevated Installation >30' To 35', Add	*26.35*	
		For Elevated Installation >35' To 40', Add	*32.94*	
		For Elevated Installation >40', Add	*36.23*	
26 05 33 13-0165	EA	1-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	174.31	37.43
		For Work In Restricted Working Space, Add	*22.46*	
		For Elevated Installation >10' To 15', Add	*7.49*	
		For Elevated Installation >15' To 20', Add	*14.97*	
		For Elevated Installation >20' To 25', Add	*18.72*	
		For Elevated Installation >25' To 30', Add	*26.20*	
		For Elevated Installation >30' To 35', Add	*29.94*	
		For Elevated Installation >35' To 40', Add	*37.43*	
		For Elevated Installation >40', Add	*41.17*	
26 05 33 13-0166	EA	2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	210.87	41.18
		For Work In Restricted Working Space, Add	*24.71*	
		For Elevated Installation >10' To 15', Add	*8.24*	
		For Elevated Installation >15' To 20', Add	*16.47*	
		For Elevated Installation >20' To 25', Add	*20.59*	
		For Elevated Installation >25' To 30', Add	*28.82*	
		For Elevated Installation >30' To 35', Add	*32.94*	
		For Elevated Installation >35' To 40', Add	*41.18*	
		For Elevated Installation >40', Add	*45.29*	
26 05 33 13-0167	EA	2-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	279.59	51.66
		For Work In Restricted Working Space, Add	*31.00*	
		For Elevated Installation >10' To 15', Add	*10.33*	
		For Elevated Installation >15' To 20', Add	*20.66*	
		For Elevated Installation >20' To 25', Add	*25.83*	
		For Elevated Installation >25' To 30', Add	*36.16*	
		For Elevated Installation >30' To 35', Add	*41.33*	
		For Elevated Installation >35' To 40', Add	*51.66*	
		For Elevated Installation >40', Add	*56.83*	
26 05 33 13-0168	EA	3" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	362.31	70.37
		For Work In Restricted Working Space, Add	*42.23*	
		For Elevated Installation >10' To 15', Add	*14.08*	
		For Elevated Installation >15' To 20', Add	*28.15*	
		For Elevated Installation >20' To 25', Add	*35.19*	
		For Elevated Installation >25' To 30', Add	*49.26*	
		For Elevated Installation >30' To 35', Add	*56.30*	
		For Elevated Installation >35' To 40', Add	*70.38*	
		For Elevated Installation >40', Add	*77.41*	
26 05 33 13-0169	EA	3-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	448.49	79.35
		For Work In Restricted Working Space, Add	*47.62*	
		For Elevated Installation >10' To 15', Add	*15.87*	
		For Elevated Installation >15' To 20', Add	*31.74*	
		For Elevated Installation >20' To 25', Add	*39.68*	
		For Elevated Installation >25' To 30', Add	*55.55*	
		For Elevated Installation >30' To 35', Add	*63.49*	
		For Elevated Installation >35' To 40', Add	*79.36*	
		For Elevated Installation >40', Add	*87.30*	
26 05 33 13-0170	EA	4" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	562.09	103.31
		For Work In Restricted Working Space, Add	*61.99*	
		For Elevated Installation >10' To 15', Add	*20.66*	
		For Elevated Installation >15' To 20', Add	*41.33*	
		For Elevated Installation >20' To 25', Add	*51.66*	
		For Elevated Installation >25' To 30', Add	*72.32*	
		For Elevated Installation >30' To 35', Add	*82.65*	
		For Elevated Installation >35' To 40', Add	*103.32*	
		For Elevated Installation >40', Add	*113.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0171	EA	5" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	904.37	168.45
		For Work In Restricted Working Space, Add	*101.07*	
		For Elevated Installation >10' To 15', Add	*33.69*	
		For Elevated Installation >15' To 20', Add	*67.38*	
		For Elevated Installation >20' To 25', Add	*84.23*	
		For Elevated Installation >25' To 30', Add	*117.92*	
		For Elevated Installation >30' To 35', Add	*134.76*	
		For Elevated Installation >35' To 40', Add	*168.45*	
		For Elevated Installation >40', Add	*185.30*	
26 05 33 13-0172	EA	6" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	1,087.36	253.05
		For Work In Restricted Working Space, Add	*151.83*	
		For Elevated Installation >10' To 15', Add	*50.61*	
		For Elevated Installation >15' To 20', Add	*101.22*	
		For Elevated Installation >20' To 25', Add	*126.53*	
		For Elevated Installation >25' To 30', Add	*177.14*	
		For Elevated Installation >30' To 35', Add	*202.44*	
		For Elevated Installation >35' To 40', Add	*253.05*	
		For Elevated Installation >40', Add	*278.36*	

26 05 33 13-0173 Rigid Galvanized Steel (RGS) Plastic Insulating Bushing *(26 05 33 13-0060)*

26 05 33 13-0174	EA	1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	15.10	7.34
		For Work In Restricted Working Space, Add	*4.41*	
		For Elevated Installation >10' To 15', Add	*1.47*	
		For Elevated Installation >15' To 20', Add	*2.94*	
		For Elevated Installation >20' To 25', Add	*3.67*	
		For Elevated Installation >25' To 30', Add	*5.14*	
		For Elevated Installation >30' To 35', Add	*5.88*	
		For Elevated Installation >35' To 40', Add	*7.35*	
		For Elevated Installation >40', Add	*8.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.41*	
26 05 33 13-0175	EA	3/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	16.21	7.83
		For Work In Restricted Working Space, Add	*4.70*	
		For Elevated Installation >10' To 15', Add	*1.57*	
		For Elevated Installation >15' To 20', Add	*3.13*	
		For Elevated Installation >20' To 25', Add	*3.92*	
		For Elevated Installation >25' To 30', Add	*5.48*	
		For Elevated Installation >30' To 35', Add	*6.27*	
		For Elevated Installation >35' To 40', Add	*7.84*	
		For Elevated Installation >40', Add	*8.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.70*	
26 05 33 13-0176	EA	1" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	18.43	8.81
		For Work In Restricted Working Space, Add	*5.29*	
		For Elevated Installation >10' To 15', Add	*1.76*	
		For Elevated Installation >15' To 20', Add	*3.52*	
		For Elevated Installation >20' To 25', Add	*4.41*	
		For Elevated Installation >25' To 30', Add	*6.17*	
		For Elevated Installation >30' To 35', Add	*7.05*	
		For Elevated Installation >35' To 40', Add	*8.81*	
		For Elevated Installation >40', Add	*9.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.29*	
26 05 33 13-0177	EA	1-1/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	20.76	9.79
		For Work In Restricted Working Space, Add	*5.87*	
		For Elevated Installation >10' To 15', Add	*1.96*	
		For Elevated Installation >15' To 20', Add	*3.92*	
		For Elevated Installation >20' To 25', Add	*4.90*	
		For Elevated Installation >25' To 30', Add	*6.85*	
		For Elevated Installation >30' To 35', Add	*7.83*	
		For Elevated Installation >35' To 40', Add	*9.79*	
		For Elevated Installation >40', Add	*10.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.87*	
26 05 33 13-0178	EA	1-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	26.09	12.24
		For Work In Restricted Working Space, Add	*7.34*	
		For Elevated Installation >10' To 15', Add	*2.45*	
		For Elevated Installation >15' To 20', Add	*4.90*	
		For Elevated Installation >20' To 25', Add	*6.12*	
		For Elevated Installation >25' To 30', Add	*8.57*	
		For Elevated Installation >30' To 35', Add	*9.79*	
		For Elevated Installation >35' To 40', Add	*12.24*	
		For Elevated Installation >40', Add	*13.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.34*	
26 05 33 13-0179	EA	2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	32.36	14.69
		For Work In Restricted Working Space, Add	*8.81*	
		For Elevated Installation >10' To 15', Add	*2.94*	
		For Elevated Installation >15' To 20', Add	*5.87*	
		For Elevated Installation >20' To 25', Add	*7.34*	
		For Elevated Installation >25' To 30', Add	*10.28*	
		For Elevated Installation >30' To 35', Add	*11.75*	
		For Elevated Installation >35' To 40', Add	*14.69*	
		For Elevated Installation >40', Add	*16.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0180	EA	2-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	40.86	17.13
		For Work In Restricted Working Space, Add	*10.28*	
		For Elevated Installation >10' To 15', Add	*3.43*	
		For Elevated Installation >15' To 20', Add	*6.85*	
		For Elevated Installation >20' To 25', Add	*8.57*	
		For Elevated Installation >25' To 30', Add	*11.99*	
		For Elevated Installation >30' To 35', Add	*13.70*	
		For Elevated Installation >35' To 40', Add	*17.13*	
		For Elevated Installation >40', Add	*18.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.28*	
26 05 33 13-0181	EA	3" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	46.13	19.58
		For Work In Restricted Working Space, Add	*11.75*	
		For Elevated Installation >10' To 15', Add	*3.92*	
		For Elevated Installation >15' To 20', Add	*7.83*	
		For Elevated Installation >20' To 25', Add	*9.79*	
		For Elevated Installation >25' To 30', Add	*13.71*	
		For Elevated Installation >30' To 35', Add	*15.67*	
		For Elevated Installation >35' To 40', Add	*19.59*	
		For Elevated Installation >40', Add	*21.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.75*	
26 05 33 13-0182	EA	3-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	53.72	18.42
		For Work In Restricted Working Space, Add	*13.22*	
		For Elevated Installation >10' To 15', Add	*4.41*	
		For Elevated Installation >15' To 20', Add	*8.81*	
		For Elevated Installation >20' To 25', Add	*11.02*	
		For Elevated Installation >25' To 30', Add	*15.42*	
		For Elevated Installation >30' To 35', Add	*17.62*	
		For Elevated Installation >35' To 40', Add	*22.03*	
		For Elevated Installation >40', Add	*24.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.22*	
26 05 33 13-0183	EA	4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	59.60	24.48
		For Work In Restricted Working Space, Add	*14.69*	
		For Elevated Installation >10' To 15', Add	*4.90*	
		For Elevated Installation >15' To 20', Add	*9.79*	
		For Elevated Installation >20' To 25', Add	*12.24*	
		For Elevated Installation >25' To 30', Add	*17.13*	
		For Elevated Installation >30' To 35', Add	*19.58*	
		For Elevated Installation >35' To 40', Add	*24.48*	
		For Elevated Installation >40', Add	*26.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.69*	
26 05 33 13-0184	EA	5" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	71.99	26.93
		For Work In Restricted Working Space, Add	*16.15*	
		For Elevated Installation >10' To 15', Add	*5.38*	
		For Elevated Installation >15' To 20', Add	*10.77*	
		For Elevated Installation >20' To 25', Add	*13.46*	
		For Elevated Installation >25' To 30', Add	*18.84*	
		For Elevated Installation >30' To 35', Add	*21.54*	
		For Elevated Installation >35' To 40', Add	*26.92*	
		For Elevated Installation >40', Add	*29.61*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.15*	
26 05 33 13-0185	EA	6" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	104.69	29.37
		For Work In Restricted Working Space, Add	*17.62*	
		For Elevated Installation >10' To 15', Add	*5.87*	
		For Elevated Installation >15' To 20', Add	*11.75*	
		For Elevated Installation >20' To 25', Add	*14.69*	
		For Elevated Installation >25' To 30', Add	*20.56*	
		For Elevated Installation >30' To 35', Add	*23.50*	
		For Elevated Installation >35' To 40', Add	*29.37*	
		For Elevated Installation >40', Add	*32.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.62*	

26 05 33 13-0186 Rigid Galvanized Steel (RGS) Steel Bushing *(26 05 33 13-0060)*

26 05 33 13-0187	EA	1/2" Rigid Galvanized Steel (RGS) Steel Bushing	18.28	8.64
		For Work In Restricted Working Space, Add	*5.18*	
		For Elevated Installation >10' To 15', Add	*1.73*	
		For Elevated Installation >15' To 20', Add	*3.45*	
		For Elevated Installation >20' To 25', Add	*4.32*	
		For Elevated Installation >25' To 30', Add	*6.04*	
		For Elevated Installation >30' To 35', Add	*6.91*	
		For Elevated Installation >35' To 40', Add	*8.64*	
		For Elevated Installation >40', Add	*9.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.18*	
26 05 33 13-0188	EA	3/4" Rigid Galvanized Steel (RGS) Steel Bushing	19.89	9.21
		For Work In Restricted Working Space, Add	*5.53*	
		For Elevated Installation >10' To 15', Add	*1.84*	
		For Elevated Installation >15' To 20', Add	*3.68*	
		For Elevated Installation >20' To 25', Add	*4.61*	
		For Elevated Installation >25' To 30', Add	*6.45*	
		For Elevated Installation >30' To 35', Add	*7.37*	
		For Elevated Installation >35' To 40', Add	*9.21*	
		For Elevated Installation >40', Add	*10.13*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0189	EA	1" Rigid Galvanized Steel (RGS) Steel Bushing	23.29	10.37
		For Work In Restricted Working Space, Add	*6.22*	
		For Elevated Installation >10' To 15', Add	*2.07*	
		For Elevated Installation >15' To 20', Add	*4.15*	
		For Elevated Installation >20' To 25', Add	*5.18*	
		For Elevated Installation >25' To 30', Add	*7.26*	
		For Elevated Installation >30' To 35', Add	*8.29*	
		For Elevated Installation >35' To 40', Add	*10.37*	
		For Elevated Installation >40', Add	*11.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.22*	
26 05 33 13-0190	EA	1-1/4" Rigid Galvanized Steel (RGS) Steel Bushing	26.20	11.52
		For Work In Restricted Working Space, Add	*6.91*	
		For Elevated Installation >10' To 15', Add	*2.30*	
		For Elevated Installation >15' To 20', Add	*4.61*	
		For Elevated Installation >20' To 25', Add	*5.76*	
		For Elevated Installation >25' To 30', Add	*8.06*	
		For Elevated Installation >30' To 35', Add	*9.22*	
		For Elevated Installation >35' To 40', Add	*11.52*	
		For Elevated Installation >40', Add	*12.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.91*	
26 05 33 13-0191	EA	1-1/2" Rigid Galvanized Steel (RGS) Steel Bushing	33.47	14.40
		For Work In Restricted Working Space, Add	*8.64*	
		For Elevated Installation >10' To 15', Add	*2.88*	
		For Elevated Installation >15' To 20', Add	*5.76*	
		For Elevated Installation >20' To 25', Add	*7.20*	
		For Elevated Installation >25' To 30', Add	*10.08*	
		For Elevated Installation >30' To 35', Add	*11.52*	
		For Elevated Installation >35' To 40', Add	*14.40*	
		For Elevated Installation >40', Add	*15.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.64*	
26 05 33 13-0192	EA	2" Rigid Galvanized Steel (RGS) Steel Bushing	39.58	17.27
		For Work In Restricted Working Space, Add	*10.37*	
		For Elevated Installation >10' To 15', Add	*3.46*	
		For Elevated Installation >15' To 20', Add	*6.91*	
		For Elevated Installation >20' To 25', Add	*8.64*	
		For Elevated Installation >25' To 30', Add	*12.09*	
		For Elevated Installation >30' To 35', Add	*13.82*	
		For Elevated Installation >35' To 40', Add	*17.28*	
		For Elevated Installation >40', Add	*19.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.37*	
26 05 33 13-0193	EA	2-1/2" Rigid Galvanized Steel (RGS) Steel Bushing	56.11	20.16
		For Work In Restricted Working Space, Add	*12.09*	
		For Elevated Installation >10' To 15', Add	*4.03*	
		For Elevated Installation >15' To 20', Add	*8.06*	
		For Elevated Installation >20' To 25', Add	*10.08*	
		For Elevated Installation >25' To 30', Add	*14.11*	
		For Elevated Installation >30' To 35', Add	*16.12*	
		For Elevated Installation >35' To 40', Add	*20.16*	
		For Elevated Installation >40', Add	*22.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.09*	
26 05 33 13-0194	EA	3" Rigid Galvanized Steel (RGS) Steel Bushing	66.80	23.04
		For Work In Restricted Working Space, Add	*13.82*	
		For Elevated Installation >10' To 15', Add	*4.61*	
		For Elevated Installation >15' To 20', Add	*9.21*	
		For Elevated Installation >20' To 25', Add	*11.52*	
		For Elevated Installation >25' To 30', Add	*16.12*	
		For Elevated Installation >30' To 35', Add	*18.43*	
		For Elevated Installation >35' To 40', Add	*23.04*	
		For Elevated Installation >40', Add	*25.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.82*	
26 05 33 13-0195	EA	3-1/2" Rigid Galvanized Steel (RGS) Steel Bushing	100.24	25.91
		For Work In Restricted Working Space, Add	*15.55*	
		For Elevated Installation >10' To 15', Add	*5.18*	
		For Elevated Installation >15' To 20', Add	*10.37*	
		For Elevated Installation >20' To 25', Add	*12.96*	
		For Elevated Installation >25' To 30', Add	*18.14*	
		For Elevated Installation >30' To 35', Add	*20.73*	
		For Elevated Installation >35' To 40', Add	*25.92*	
		For Elevated Installation >40', Add	*28.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.55*	
26 05 33 13-0196	EA	4" Rigid Galvanized Steel (RGS) Steel Bushing	136.10	28.79
		For Work In Restricted Working Space, Add	*17.28*	
		For Elevated Installation >10' To 15', Add	*5.76*	
		For Elevated Installation >15' To 20', Add	*11.52*	
		For Elevated Installation >20' To 25', Add	*14.40*	
		For Elevated Installation >25' To 30', Add	*20.16*	
		For Elevated Installation >30' To 35', Add	*23.04*	
		For Elevated Installation >35' To 40', Add	*28.80*	
		For Elevated Installation >40', Add	*31.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0197	EA	5" Rigid Galvanized Steel (RGS) Steel Bushing	182.43	31.68
		For Work In Restricted Working Space, Add	*19.00*	
		For Elevated Installation >10' To 15', Add	*6.33*	
		For Elevated Installation >15' To 20', Add	*12.67*	
		For Elevated Installation >20' To 25', Add	*15.84*	
		For Elevated Installation >25' To 30', Add	*22.17*	
		For Elevated Installation >30' To 35', Add	*25.34*	
		For Elevated Installation >35' To 40', Add	*31.67*	
		For Elevated Installation >40', Add	*34.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.00*	
26 05 33 13-0198	EA	6" Rigid Galvanized Steel (RGS) Steel Bushing	270.11	34.55
		For Work In Restricted Working Space, Add	*20.73*	
		For Elevated Installation >10' To 15', Add	*6.91*	
		For Elevated Installation >15' To 20', Add	*13.82*	
		For Elevated Installation >20' To 25', Add	*17.28*	
		For Elevated Installation >25' To 30', Add	*24.19*	
		For Elevated Installation >30' To 35', Add	*27.64*	
		For Elevated Installation >35' To 40', Add	*34.56*	
		For Elevated Installation >40', Add	*38.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.73*	

26 05 33 13-0199 Rigid Galvanized Steel (RGS) Steel Insulated Bushing *(26 05 33 13-0060)*

26 05 33 13-0200	EA	1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	19.47	8.64
		For Work In Restricted Working Space, Add	*5.18*	
		For Elevated Installation >10' To 15', Add	*1.73*	
		For Elevated Installation >15' To 20', Add	*3.45*	
		For Elevated Installation >20' To 25', Add	*4.32*	
		For Elevated Installation >25' To 30', Add	*6.04*	
		For Elevated Installation >30' To 35', Add	*6.91*	
		For Elevated Installation >35' To 40', Add	*8.64*	
		For Elevated Installation >40', Add	*9.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.18*	
26 05 33 13-0201	EA	3/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	21.69	9.21
		For Work In Restricted Working Space, Add	*5.53*	
		For Elevated Installation >10' To 15', Add	*1.84*	
		For Elevated Installation >15' To 20', Add	*3.68*	
		For Elevated Installation >20' To 25', Add	*4.61*	
		For Elevated Installation >25' To 30', Add	*6.45*	
		For Elevated Installation >30' To 35', Add	*7.37*	
		For Elevated Installation >35' To 40', Add	*9.21*	
		For Elevated Installation >40', Add	*10.13*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.53*	
26 05 33 13-0202	EA	1" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	25.55	10.37
		For Work In Restricted Working Space, Add	*6.22*	
		For Elevated Installation >10' To 15', Add	*2.07*	
		For Elevated Installation >15' To 20', Add	*4.15*	
		For Elevated Installation >20' To 25', Add	*5.18*	
		For Elevated Installation >25' To 30', Add	*7.26*	
		For Elevated Installation >30' To 35', Add	*8.29*	
		For Elevated Installation >35' To 40', Add	*10.37*	
		For Elevated Installation >40', Add	*11.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.22*	
26 05 33 13-0203	EA	1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	30.02	11.52
		For Work In Restricted Working Space, Add	*6.91*	
		For Elevated Installation >10' To 15', Add	*2.30*	
		For Elevated Installation >15' To 20', Add	*4.61*	
		For Elevated Installation >20' To 25', Add	*5.76*	
		For Elevated Installation >25' To 30', Add	*8.06*	
		For Elevated Installation >30' To 35', Add	*9.22*	
		For Elevated Installation >35' To 40', Add	*11.52*	
		For Elevated Installation >40', Add	*12.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.91*	
26 05 33 13-0204	EA	1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	37.44	14.40
		For Work In Restricted Working Space, Add	*8.64*	
		For Elevated Installation >10' To 15', Add	*2.88*	
		For Elevated Installation >15' To 20', Add	*5.76*	
		For Elevated Installation >20' To 25', Add	*7.20*	
		For Elevated Installation >25' To 30', Add	*10.08*	
		For Elevated Installation >30' To 35', Add	*11.52*	
		For Elevated Installation >35' To 40', Add	*14.40*	
		For Elevated Installation >40', Add	*15.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.64*	
26 05 33 13-0205	EA	2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	46.63	17.27
		For Work In Restricted Working Space, Add	*10.37*	
		For Elevated Installation >10' To 15', Add	*3.46*	
		For Elevated Installation >15' To 20', Add	*6.91*	
		For Elevated Installation >20' To 25', Add	*8.64*	
		For Elevated Installation >25' To 30', Add	*12.09*	
		For Elevated Installation >30' To 35', Add	*13.82*	
		For Elevated Installation >35' To 40', Add	*17.28*	
		For Elevated Installation >40', Add	*19.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0206	EA	2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	65.67	20.16
		For Work In Restricted Working Space, Add	*12.09*	
		For Elevated Installation >10' To 15', Add	*4.03*	
		For Elevated Installation >15' To 20', Add	*8.06*	
		For Elevated Installation >20' To 25', Add	*10.08*	
		For Elevated Installation >25' To 30', Add	*14.11*	
		For Elevated Installation >30' To 35', Add	*16.12*	
		For Elevated Installation >35' To 40', Add	*20.16*	
		For Elevated Installation >40', Add	*22.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.09*	
26 05 33 13-0207	EA	3" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	78.01	23.04
		For Work In Restricted Working Space, Add	*13.82*	
		For Elevated Installation >10' To 15', Add	*4.61*	
		For Elevated Installation >15' To 20', Add	*9.21*	
		For Elevated Installation >20' To 25', Add	*11.52*	
		For Elevated Installation >25' To 30', Add	*16.12*	
		For Elevated Installation >30' To 35', Add	*18.43*	
		For Elevated Installation >35' To 40', Add	*23.04*	
		For Elevated Installation >40', Add	*25.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.82*	
26 05 33 13-0208	EA	3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	102.33	25.91
		For Work In Restricted Working Space, Add	*15.55*	
		For Elevated Installation >10' To 15', Add	*5.18*	
		For Elevated Installation >15' To 20', Add	*10.37*	
		For Elevated Installation >20' To 25', Add	*12.96*	
		For Elevated Installation >25' To 30', Add	*18.14*	
		For Elevated Installation >30' To 35', Add	*20.73*	
		For Elevated Installation >35' To 40', Add	*25.92*	
		For Elevated Installation >40', Add	*28.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.55*	
26 05 33 13-0209	EA	4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	145.45	28.79
		For Work In Restricted Working Space, Add	*17.28*	
		For Elevated Installation >10' To 15', Add	*5.76*	
		For Elevated Installation >15' To 20', Add	*11.52*	
		For Elevated Installation >20' To 25', Add	*14.40*	
		For Elevated Installation >25' To 30', Add	*20.16*	
		For Elevated Installation >30' To 35', Add	*23.04*	
		For Elevated Installation >35' To 40', Add	*28.80*	
		For Elevated Installation >40', Add	*31.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.28*	
26 05 33 13-0210	EA	5" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	192.61	31.68
		For Work In Restricted Working Space, Add	*19.00*	
		For Elevated Installation >10' To 15', Add	*6.33*	
		For Elevated Installation >15' To 20', Add	*12.67*	
		For Elevated Installation >20' To 25', Add	*15.84*	
		For Elevated Installation >25' To 30', Add	*22.17*	
		For Elevated Installation >30' To 35', Add	*25.34*	
		For Elevated Installation >35' To 40', Add	*31.67*	
		For Elevated Installation >40', Add	*34.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.00*	
26 05 33 13-0211	EA	6" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	273.69	34.55
		For Work In Restricted Working Space, Add	*20.73*	
		For Elevated Installation >10' To 15', Add	*6.91*	
		For Elevated Installation >15' To 20', Add	*13.82*	
		For Elevated Installation >20' To 25', Add	*17.28*	
		For Elevated Installation >25' To 30', Add	*24.19*	
		For Elevated Installation >30' To 35', Add	*27.64*	
		For Elevated Installation >35' To 40', Add	*34.56*	
		For Elevated Installation >40', Add	*38.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.73*	

26 05 33 13-0212 Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing *(26 05 33 13-0060)*

26 05 33 13-0213	EA	1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	29.60	10.37
		For Work In Restricted Working Space, Add	*6.22*	
		For Elevated Installation >10' To 15', Add	*2.07*	
		For Elevated Installation >15' To 20', Add	*4.15*	
		For Elevated Installation >20' To 25', Add	*5.18*	
		For Elevated Installation >25' To 30', Add	*7.26*	
		For Elevated Installation >30' To 35', Add	*8.29*	
		For Elevated Installation >35' To 40', Add	*10.37*	
		For Elevated Installation >40', Add	*11.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.22*	
26 05 33 13-0214	EA	3/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	33.17	11.52
		For Work In Restricted Working Space, Add	*6.91*	
		For Elevated Installation >10' To 15', Add	*2.30*	
		For Elevated Installation >15' To 20', Add	*4.61*	
		For Elevated Installation >20' To 25', Add	*5.76*	
		For Elevated Installation >25' To 30', Add	*8.06*	
		For Elevated Installation >30' To 35', Add	*9.22*	
		For Elevated Installation >35' To 40', Add	*11.52*	
		For Elevated Installation >40', Add	*12.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0215	EA	1" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	37.97	12.67
		For Work In Restricted Working Space, Add	*7.60*	
		For Elevated Installation >10' To 15', Add	*2.53*	
		For Elevated Installation >15' To 20', Add	*5.07*	
		For Elevated Installation >20' To 25', Add	*6.34*	
		For Elevated Installation >25' To 30', Add	*8.87*	
		For Elevated Installation >30' To 35', Add	*10.14*	
		For Elevated Installation >35' To 40', Add	*12.67*	
		For Elevated Installation >40', Add	*13.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
26 05 33 13-0216	EA	1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	45.13	14.40
		For Work In Restricted Working Space, Add	*8.64*	
		For Elevated Installation >10' To 15', Add	*2.88*	
		For Elevated Installation >15' To 20', Add	*5.76*	
		For Elevated Installation >20' To 25', Add	*7.20*	
		For Elevated Installation >25' To 30', Add	*10.08*	
		For Elevated Installation >30' To 35', Add	*11.52*	
		For Elevated Installation >35' To 40', Add	*14.40*	
		For Elevated Installation >40', Add	*15.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.64*	
26 05 33 13-0217	EA	1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	54.57	17.85
		For Work In Restricted Working Space, Add	*10.71*	
		For Elevated Installation >10' To 15', Add	*3.57*	
		For Elevated Installation >15' To 20', Add	*7.14*	
		For Elevated Installation >20' To 25', Add	*8.93*	
		For Elevated Installation >25' To 30', Add	*12.50*	
		For Elevated Installation >30' To 35', Add	*14.28*	
		For Elevated Installation >35' To 40', Add	*17.86*	
		For Elevated Installation >40', Add	*19.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.71*	
26 05 33 13-0218	EA	2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	68.81	21.31
		For Work In Restricted Working Space, Add	*12.78*	
		For Elevated Installation >10' To 15', Add	*4.26*	
		For Elevated Installation >15' To 20', Add	*8.52*	
		For Elevated Installation >20' To 25', Add	*10.65*	
		For Elevated Installation >25' To 30', Add	*14.91*	
		For Elevated Installation >30' To 35', Add	*17.04*	
		For Elevated Installation >35' To 40', Add	*21.31*	
		For Elevated Installation >40', Add	*23.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.78*	
26 05 33 13-0219	EA	2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	92.33	24.76
		For Work In Restricted Working Space, Add	*14.86*	
		For Elevated Installation >10' To 15', Add	*4.95*	
		For Elevated Installation >15' To 20', Add	*9.91*	
		For Elevated Installation >20' To 25', Add	*12.38*	
		For Elevated Installation >25' To 30', Add	*17.34*	
		For Elevated Installation >30' To 35', Add	*19.81*	
		For Elevated Installation >35' To 40', Add	*24.77*	
		For Elevated Installation >40', Add	*27.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.86*	
26 05 33 13-0220	EA	3" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	101.75	28.79
		For Work In Restricted Working Space, Add	*17.28*	
		For Elevated Installation >10' To 15', Add	*5.76*	
		For Elevated Installation >15' To 20', Add	*11.52*	
		For Elevated Installation >20' To 25', Add	*14.40*	
		For Elevated Installation >25' To 30', Add	*20.16*	
		For Elevated Installation >30' To 35', Add	*23.04*	
		For Elevated Installation >35' To 40', Add	*28.80*	
		For Elevated Installation >40', Add	*31.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.28*	
26 05 33 13-0221	EA	3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	115.07	32.25
		For Work In Restricted Working Space, Add	*19.35*	
		For Elevated Installation >10' To 15', Add	*6.45*	
		For Elevated Installation >15' To 20', Add	*12.90*	
		For Elevated Installation >20' To 25', Add	*16.13*	
		For Elevated Installation >25' To 30', Add	*22.58*	
		For Elevated Installation >30' To 35', Add	*25.80*	
		For Elevated Installation >35' To 40', Add	*32.25*	
		For Elevated Installation >40', Add	*35.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.35*	
26 05 33 13-0222	EA	4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	148.82	35.71
		For Work In Restricted Working Space, Add	*21.42*	
		For Elevated Installation >10' To 15', Add	*7.14*	
		For Elevated Installation >15' To 20', Add	*14.28*	
		For Elevated Installation >20' To 25', Add	*17.85*	
		For Elevated Installation >25' To 30', Add	*24.99*	
		For Elevated Installation >30' To 35', Add	*28.56*	
		For Elevated Installation >35' To 40', Add	*35.71*	
		For Elevated Installation >40', Add	*39.28*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0223	EA	5" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	211.57	39.17
		For Work In Restricted Working Space, Add	*23.50*	
		For Elevated Installation >10' To 15', Add	*7.83*	
		For Elevated Installation >15' To 20', Add	*15.66*	
		For Elevated Installation >20' To 25', Add	*19.58*	
		For Elevated Installation >25' To 30', Add	*27.41*	
		For Elevated Installation >30' To 35', Add	*31.33*	
		For Elevated Installation >35' To 40', Add	*39.16*	
		For Elevated Installation >40', Add	*43.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.50*	
26 05 33 13-0224	EA	6" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	291.78	43.20
		For Work In Restricted Working Space, Add	*25.91*	
		For Elevated Installation >10' To 15', Add	*8.64*	
		For Elevated Installation >15' To 20', Add	*17.28*	
		For Elevated Installation >20' To 25', Add	*21.60*	
		For Elevated Installation >25' To 30', Add	*30.23*	
		For Elevated Installation >30' To 35', Add	*34.55*	
		For Elevated Installation >35' To 40', Add	*43.19*	
		For Elevated Installation >40', Add	*47.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.91*	

26 05 33 13-0225 Rigid Galvanized Steel (RGS) Box Connectors With Set Screw *(26 05 33 13-0060)*

26 05 33 13-0226	EA	1/2" Rigid Galvanized Steel (RGS) Box Connector With Set Screw	17.26	5.30
		For Work In Restricted Working Space, Add	*3.94*	
		For Elevated Installation >10' To 15', Add	*1.31*	
		For Elevated Installation >15' To 20', Add	*2.63*	
		For Elevated Installation >20' To 25', Add	*3.29*	
		For Elevated Installation >25' To 30', Add	*4.60*	
		For Elevated Installation >30' To 35', Add	*5.26*	
		For Elevated Installation >35' To 40', Add	*6.57*	
		For Elevated Installation >40', Add	*7.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.94*	
26 05 33 13-0227	EA	3/4" Rigid Galvanized Steel (RGS) Box Connector With Set Screw	20.94	6.10
		For Work In Restricted Working Space, Add	*4.57*	
		For Elevated Installation >10' To 15', Add	*1.52*	
		For Elevated Installation >15' To 20', Add	*3.04*	
		For Elevated Installation >20' To 25', Add	*3.81*	
		For Elevated Installation >25' To 30', Add	*5.33*	
		For Elevated Installation >30' To 35', Add	*6.09*	
		For Elevated Installation >35' To 40', Add	*7.61*	
		For Elevated Installation >40', Add	*8.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.57*	
26 05 33 13-0228	EA	1" Rigid Galvanized Steel (RGS) Box Connector With Set Screw	27.47	7.37
		For Work In Restricted Working Space, Add	*5.51*	
		For Elevated Installation >10' To 15', Add	*1.84*	
		For Elevated Installation >15' To 20', Add	*3.67*	
		For Elevated Installation >20' To 25', Add	*4.59*	
		For Elevated Installation >25' To 30', Add	*6.42*	
		For Elevated Installation >30' To 35', Add	*7.34*	
		For Elevated Installation >35' To 40', Add	*9.18*	
		For Elevated Installation >40', Add	*10.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.51*	
26 05 33 13-0229	EA	1-1/4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	40.71	9.10
		For Work In Restricted Working Space, Add	*6.85*	
		For Elevated Installation >10' To 15', Add	*2.28*	
		For Elevated Installation >15' To 20', Add	*4.56*	
		For Elevated Installation >20' To 25', Add	*5.71*	
		For Elevated Installation >25' To 30', Add	*7.99*	
		For Elevated Installation >30' To 35', Add	*9.13*	
		For Elevated Installation >35' To 40', Add	*11.41*	
		For Elevated Installation >40', Add	*12.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.85*	
26 05 33 13-0230	EA	1-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	55.12	12.21
		For Work In Restricted Working Space, Add	*9.17*	
		For Elevated Installation >10' To 15', Add	*3.06*	
		For Elevated Installation >15' To 20', Add	*6.11*	
		For Elevated Installation >20' To 25', Add	*7.64*	
		For Elevated Installation >25' To 30', Add	*10.69*	
		For Elevated Installation >30' To 35', Add	*12.22*	
		For Elevated Installation >35' To 40', Add	*15.28*	
		For Elevated Installation >40', Add	*16.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.17*	
26 05 33 13-0231	EA	2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	93.93	18.31
		For Work In Restricted Working Space, Add	*13.73*	
		For Elevated Installation >10' To 15', Add	*4.58*	
		For Elevated Installation >15' To 20', Add	*9.15*	
		For Elevated Installation >20' To 25', Add	*11.44*	
		For Elevated Installation >25' To 30', Add	*16.02*	
		For Elevated Installation >30' To 35', Add	*18.30*	
		For Elevated Installation >35' To 40', Add	*22.88*	
		For Elevated Installation >40', Add	*25.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0232	EA	2-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	169.89	20.27
		For Work In Restricted Working Space, Add	*15.20*	
		For Elevated Installation >10' To 15', Add	*5.07*	
		For Elevated Installation >15' To 20', Add	*10.13*	
		For Elevated Installation >20' To 25', Add	*12.67*	
		For Elevated Installation >25' To 30', Add	*17.73*	
		For Elevated Installation >30' To 35', Add	*20.27*	
		For Elevated Installation >35' To 40', Add	*25.34*	
		For Elevated Installation >40', Add	*27.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.20*	
26 05 33 13-0233	EA	3" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	202.49	24.53
		For Work In Restricted Working Space, Add	*18.41*	
		For Elevated Installation >10' To 15', Add	*6.14*	
		For Elevated Installation >15' To 20', Add	*12.28*	
		For Elevated Installation >20' To 25', Add	*15.35*	
		For Elevated Installation >25' To 30', Add	*21.48*	
		For Elevated Installation >30' To 35', Add	*24.55*	
		For Elevated Installation >35' To 40', Add	*30.69*	
		For Elevated Installation >40', Add	*33.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.41*	
26 05 33 13-0234	EA	3-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	273.91	30.76
		For Work In Restricted Working Space, Add	*23.05*	
		For Elevated Installation >10' To 15', Add	*7.68*	
		For Elevated Installation >15' To 20', Add	*15.37*	
		For Elevated Installation >20' To 25', Add	*19.21*	
		For Elevated Installation >25' To 30', Add	*26.89*	
		For Elevated Installation >30' To 35', Add	*30.74*	
		For Elevated Installation >35' To 40', Add	*38.42*	
		For Elevated Installation >40', Add	*42.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.05*	
26 05 33 13-0235	EA	4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	320.84	36.86
		For Work In Restricted Working Space, Add	*27.64*	
		For Elevated Installation >10' To 15', Add	*9.21*	
		For Elevated Installation >15' To 20', Add	*18.43*	
		For Elevated Installation >20' To 25', Add	*23.04*	
		For Elevated Installation >25' To 30', Add	*32.25*	
		For Elevated Installation >30' To 35', Add	*36.86*	
		For Elevated Installation >35' To 40', Add	*46.07*	
		For Elevated Installation >40', Add	*50.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.64*	
26 05 33 13-0236	EA	5" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	564.66	41.00
		For Work In Restricted Working Space, Add	*30.72*	
		For Elevated Installation >10' To 15', Add	*10.24*	
		For Elevated Installation >15' To 20', Add	*20.48*	
		For Elevated Installation >20' To 25', Add	*25.60*	
		For Elevated Installation >25' To 30', Add	*35.84*	
		For Elevated Installation >30' To 35', Add	*40.96*	
		For Elevated Installation >35' To 40', Add	*51.20*	
		For Elevated Installation >40', Add	*56.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.72*	
26 05 33 13-0237	EA	6" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	674.74	46.07
		For Work In Restricted Working Space, Add	*34.55*	
		For Elevated Installation >10' To 15', Add	*11.52*	
		For Elevated Installation >15' To 20', Add	*23.03*	
		For Elevated Installation >20' To 25', Add	*28.79*	
		For Elevated Installation >25' To 30', Add	*40.30*	
		For Elevated Installation >30' To 35', Add	*46.06*	
		For Elevated Installation >35' To 40', Add	*57.58*	
		For Elevated Installation >40', Add	*63.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.55*	

26 05 33 13-0238 Rigid Galvanized Steel (RGS) Nipples *(26 05 33 13-0060)*

26 05 33 13-0239	EA	1/2" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	16.80	7.49
		For Work In Restricted Working Space, Add	*4.49*	
		For Elevated Installation >10' To 15', Add	*1.50*	
		For Elevated Installation >15' To 20', Add	*3.00*	
		For Elevated Installation >20' To 25', Add	*3.75*	
		For Elevated Installation >25' To 30', Add	*5.24*	
		For Elevated Installation >30' To 35', Add	*5.99*	
		For Elevated Installation >35' To 40', Add	*7.49*	
		For Elevated Installation >40', Add	*8.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.49*	
26 05 33 13-0240	EA	3/4" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	19.32	8.64
		For Work In Restricted Working Space, Add	*5.18*	
		For Elevated Installation >10' To 15', Add	*1.73*	
		For Elevated Installation >15' To 20', Add	*3.45*	
		For Elevated Installation >20' To 25', Add	*4.32*	
		For Elevated Installation >25' To 30', Add	*6.04*	
		For Elevated Installation >30' To 35', Add	*6.91*	
		For Elevated Installation >35' To 40', Add	*8.64*	
		For Elevated Installation >40', Add	*9.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0241	EA	1" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	24.75	10.95
		For Work In Restricted Working Space, Add	*6.56*	
		For Elevated Installation >10' To 15', Add	*2.19*	
		For Elevated Installation >15' To 20', Add	*4.38*	
		For Elevated Installation >20' To 25', Add	*5.47*	
		For Elevated Installation >25' To 30', Add	*7.66*	
		For Elevated Installation >30' To 35', Add	*8.75*	
		For Elevated Installation >35' To 40', Add	*10.94*	
		For Elevated Installation >40', Add	*12.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.56*	
26 05 33 13-0242	EA	1-1/4" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	28.99	12.67
		For Work In Restricted Working Space, Add	*7.60*	
		For Elevated Installation >10' To 15', Add	*2.53*	
		For Elevated Installation >15' To 20', Add	*5.07*	
		For Elevated Installation >20' To 25', Add	*6.34*	
		For Elevated Installation >25' To 30', Add	*8.87*	
		For Elevated Installation >30' To 35', Add	*10.14*	
		For Elevated Installation >35' To 40', Add	*12.67*	
		For Elevated Installation >40', Add	*13.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
26 05 33 13-0243	EA	1-1/2" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	33.11	14.40
		For Work In Restricted Working Space, Add	*8.64*	
		For Elevated Installation >10' To 15', Add	*2.88*	
		For Elevated Installation >15' To 20', Add	*5.76*	
		For Elevated Installation >20' To 25', Add	*7.20*	
		For Elevated Installation >25' To 30', Add	*10.08*	
		For Elevated Installation >30' To 35', Add	*11.52*	
		For Elevated Installation >35' To 40', Add	*14.40*	
		For Elevated Installation >40', Add	*15.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.64*	
26 05 33 13-0244	EA	1/2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	16.95	7.49
		For Work In Restricted Working Space, Add	*4.49*	
		For Elevated Installation >10' To 15', Add	*1.50*	
		For Elevated Installation >15' To 20', Add	*3.00*	
		For Elevated Installation >20' To 25', Add	*3.75*	
		For Elevated Installation >25' To 30', Add	*5.24*	
		For Elevated Installation >30' To 35', Add	*5.99*	
		For Elevated Installation >35' To 40', Add	*7.49*	
		For Elevated Installation >40', Add	*8.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.49*	
26 05 33 13-0245	EA	3/4" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	19.55	8.64
		For Work In Restricted Working Space, Add	*5.18*	
		For Elevated Installation >10' To 15', Add	*1.73*	
		For Elevated Installation >15' To 20', Add	*3.45*	
		For Elevated Installation >20' To 25', Add	*4.32*	
		For Elevated Installation >25' To 30', Add	*6.04*	
		For Elevated Installation >30' To 35', Add	*6.91*	
		For Elevated Installation >35' To 40', Add	*8.64*	
		For Elevated Installation >40', Add	*9.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.18*	
26 05 33 13-0246	EA	1" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	25.00	10.95
		For Work In Restricted Working Space, Add	*6.56*	
		For Elevated Installation >10' To 15', Add	*2.19*	
		For Elevated Installation >15' To 20', Add	*4.38*	
		For Elevated Installation >20' To 25', Add	*5.47*	
		For Elevated Installation >25' To 30', Add	*7.66*	
		For Elevated Installation >30' To 35', Add	*8.75*	
		For Elevated Installation >35' To 40', Add	*10.94*	
		For Elevated Installation >40', Add	*12.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.56*	
26 05 33 13-0247	EA	1-1/4" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	29.33	12.67
		For Work In Restricted Working Space, Add	*7.60*	
		For Elevated Installation >10' To 15', Add	*2.53*	
		For Elevated Installation >15' To 20', Add	*5.07*	
		For Elevated Installation >20' To 25', Add	*6.34*	
		For Elevated Installation >25' To 30', Add	*8.87*	
		For Elevated Installation >30' To 35', Add	*10.14*	
		For Elevated Installation >35' To 40', Add	*12.67*	
		For Elevated Installation >40', Add	*13.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
26 05 33 13-0248	EA	1-1/2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	33.66	14.40
		For Work In Restricted Working Space, Add	*8.64*	
		For Elevated Installation >10' To 15', Add	*2.88*	
		For Elevated Installation >15' To 20', Add	*5.76*	
		For Elevated Installation >20' To 25', Add	*7.20*	
		For Elevated Installation >25' To 30', Add	*10.08*	
		For Elevated Installation >30' To 35', Add	*11.52*	
		For Elevated Installation >35' To 40', Add	*14.40*	
		For Elevated Installation >40', Add	*15.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0249	EA	2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	38.14	16.13
		For Work In Restricted Working Space, Add	*9.68*	
		For Elevated Installation >10' To 15', Add	*3.23*	
		For Elevated Installation >15' To 20', Add	*6.45*	
		For Elevated Installation >20' To 25', Add	*8.06*	
		For Elevated Installation >25' To 30', Add	*11.29*	
		For Elevated Installation >30' To 35', Add	*12.90*	
		For Elevated Installation >35' To 40', Add	*16.13*	
		For Elevated Installation >40', Add	*17.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.68*	
26 05 33 13-0250	EA	1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	17.11	7.49
		For Work In Restricted Working Space, Add	*4.49*	
		For Elevated Installation >10' To 15', Add	*1.50*	
		For Elevated Installation >15' To 20', Add	*3.00*	
		For Elevated Installation >20' To 25', Add	*3.75*	
		For Elevated Installation >25' To 30', Add	*5.24*	
		For Elevated Installation >30' To 35', Add	*5.99*	
		For Elevated Installation >35' To 40', Add	*7.49*	
		For Elevated Installation >40', Add	*8.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.49*	
26 05 33 13-0251	EA	3/4" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	19.76	8.64
		For Work In Restricted Working Space, Add	*5.18*	
		For Elevated Installation >10' To 15', Add	*1.73*	
		For Elevated Installation >15' To 20', Add	*3.45*	
		For Elevated Installation >20' To 25', Add	*4.32*	
		For Elevated Installation >25' To 30', Add	*6.04*	
		For Elevated Installation >30' To 35', Add	*6.91*	
		For Elevated Installation >35' To 40', Add	*8.64*	
		For Elevated Installation >40', Add	*9.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.18*	
26 05 33 13-0252	EA	1" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	25.35	10.95
		For Work In Restricted Working Space, Add	*6.56*	
		For Elevated Installation >10' To 15', Add	*2.19*	
		For Elevated Installation >15' To 20', Add	*4.38*	
		For Elevated Installation >20' To 25', Add	*5.47*	
		For Elevated Installation >25' To 30', Add	*7.66*	
		For Elevated Installation >30' To 35', Add	*8.75*	
		For Elevated Installation >35' To 40', Add	*10.94*	
		For Elevated Installation >40', Add	*12.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.56*	
26 05 33 13-0253	EA	1-1/4" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	29.64	12.67
		For Work In Restricted Working Space, Add	*7.60*	
		For Elevated Installation >10' To 15', Add	*2.53*	
		For Elevated Installation >15' To 20', Add	*5.07*	
		For Elevated Installation >20' To 25', Add	*6.34*	
		For Elevated Installation >25' To 30', Add	*8.87*	
		For Elevated Installation >30' To 35', Add	*10.14*	
		For Elevated Installation >35' To 40', Add	*12.67*	
		For Elevated Installation >40', Add	*13.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
26 05 33 13-0254	EA	1-1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	34.04	14.40
		For Work In Restricted Working Space, Add	*8.64*	
		For Elevated Installation >10' To 15', Add	*2.88*	
		For Elevated Installation >15' To 20', Add	*5.76*	
		For Elevated Installation >20' To 25', Add	*7.20*	
		For Elevated Installation >25' To 30', Add	*10.08*	
		For Elevated Installation >30' To 35', Add	*11.52*	
		For Elevated Installation >35' To 40', Add	*14.40*	
		For Elevated Installation >40', Add	*15.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.64*	
26 05 33 13-0255	EA	2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	39.06	16.13
		For Work In Restricted Working Space, Add	*9.68*	
		For Elevated Installation >10' To 15', Add	*3.23*	
		For Elevated Installation >15' To 20', Add	*6.45*	
		For Elevated Installation >20' To 25', Add	*8.06*	
		For Elevated Installation >25' To 30', Add	*11.29*	
		For Elevated Installation >30' To 35', Add	*12.90*	
		For Elevated Installation >35' To 40', Add	*16.13*	
		For Elevated Installation >40', Add	*17.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.68*	
26 05 33 13-0256	EA	2-1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	53.22	19.58
		For Work In Restricted Working Space, Add	*11.75*	
		For Elevated Installation >10' To 15', Add	*3.92*	
		For Elevated Installation >15' To 20', Add	*7.83*	
		For Elevated Installation >20' To 25', Add	*9.79*	
		For Elevated Installation >25' To 30', Add	*13.71*	
		For Elevated Installation >30' To 35', Add	*15.66*	
		For Elevated Installation >35' To 40', Add	*19.58*	
		For Elevated Installation >40', Add	*21.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0257	EA	3" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	71.42	27.07
		For Work In Restricted Working Space, Add	*16.24*	
		For Elevated Installation >10' To 15', Add	*5.41*	
		For Elevated Installation >15' To 20', Add	*10.83*	
		For Elevated Installation >20' To 25', Add	*13.53*	
		For Elevated Installation >25' To 30', Add	*18.95*	
		For Elevated Installation >30' To 35', Add	*21.65*	
		For Elevated Installation >35' To 40', Add	*27.07*	
		For Elevated Installation >40', Add	*29.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.24*	
26 05 33 13-0258	EA	1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	17.31	7.49
		For Work In Restricted Working Space, Add	*4.49*	
		For Elevated Installation >10' To 15', Add	*1.50*	
		For Elevated Installation >15' To 20', Add	*3.00*	
		For Elevated Installation >20' To 25', Add	*3.75*	
		For Elevated Installation >25' To 30', Add	*5.24*	
		For Elevated Installation >30' To 35', Add	*5.99*	
		For Elevated Installation >35' To 40', Add	*7.49*	
		For Elevated Installation >40', Add	*8.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.49*	
26 05 33 13-0259	EA	3/4" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	19.87	8.64
		For Work In Restricted Working Space, Add	*5.18*	
		For Elevated Installation >10' To 15', Add	*1.73*	
		For Elevated Installation >15' To 20', Add	*3.45*	
		For Elevated Installation >20' To 25', Add	*4.32*	
		For Elevated Installation >25' To 30', Add	*6.04*	
		For Elevated Installation >30' To 35', Add	*6.91*	
		For Elevated Installation >35' To 40', Add	*8.64*	
		For Elevated Installation >40', Add	*9.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.18*	
26 05 33 13-0260	EA	1" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	25.82	10.95
		For Work In Restricted Working Space, Add	*6.56*	
		For Elevated Installation >10' To 15', Add	*2.19*	
		For Elevated Installation >15' To 20', Add	*4.38*	
		For Elevated Installation >20' To 25', Add	*5.47*	
		For Elevated Installation >25' To 30', Add	*7.66*	
		For Elevated Installation >30' To 35', Add	*8.75*	
		For Elevated Installation >35' To 40', Add	*10.94*	
		For Elevated Installation >40', Add	*12.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.56*	
26 05 33 13-0261	EA	1-1/4" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	30.23	12.67
		For Work In Restricted Working Space, Add	*7.60*	
		For Elevated Installation >10' To 15', Add	*2.53*	
		For Elevated Installation >15' To 20', Add	*5.07*	
		For Elevated Installation >20' To 25', Add	*6.34*	
		For Elevated Installation >25' To 30', Add	*8.87*	
		For Elevated Installation >30' To 35', Add	*10.14*	
		For Elevated Installation >35' To 40', Add	*12.67*	
		For Elevated Installation >40', Add	*13.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
26 05 33 13-0262	EA	1-1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	34.82	14.40
		For Work In Restricted Working Space, Add	*8.64*	
		For Elevated Installation >10' To 15', Add	*2.88*	
		For Elevated Installation >15' To 20', Add	*5.76*	
		For Elevated Installation >20' To 25', Add	*7.20*	
		For Elevated Installation >25' To 30', Add	*10.08*	
		For Elevated Installation >30' To 35', Add	*11.52*	
		For Elevated Installation >35' To 40', Add	*14.40*	
		For Elevated Installation >40', Add	*15.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.64*	
26 05 33 13-0263	EA	2" x 3-1/2" Long, Rigid Galvanized Steel (RGS), Nipple	40.01	16.13
		For Work In Restricted Working Space, Add	*9.68*	
		For Elevated Installation >10' To 15', Add	*3.23*	
		For Elevated Installation >15' To 20', Add	*6.45*	
		For Elevated Installation >20' To 25', Add	*8.06*	
		For Elevated Installation >25' To 30', Add	*11.29*	
		For Elevated Installation >30' To 35', Add	*12.90*	
		For Elevated Installation >35' To 40', Add	*16.13*	
		For Elevated Installation >40', Add	*17.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.68*	
26 05 33 13-0264	EA	2-1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	55.79	19.58
		For Work In Restricted Working Space, Add	*11.75*	
		For Elevated Installation >10' To 15', Add	*3.92*	
		For Elevated Installation >15' To 20', Add	*7.83*	
		For Elevated Installation >20' To 25', Add	*9.79*	
		For Elevated Installation >25' To 30', Add	*13.71*	
		For Elevated Installation >30' To 35', Add	*15.66*	
		For Elevated Installation >35' To 40', Add	*19.58*	
		For Elevated Installation >40', Add	*21.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0265	EA	3" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	73.64	27.07
		For Work In Restricted Working Space, Add	*16.24*	
		For Elevated Installation >10' To 15', Add	*5.41*	
		For Elevated Installation >15' To 20', Add	*10.83*	
		For Elevated Installation >20' To 25', Add	*13.53*	
		For Elevated Installation >25' To 30', Add	*18.95*	
		For Elevated Installation >30' To 35', Add	*21.65*	
		For Elevated Installation >35' To 40', Add	*27.07*	
		For Elevated Installation >40', Add	*29.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.24*	
26 05 33 13-0266	EA	1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	17.51	7.49
		For Work In Restricted Working Space, Add	*4.49*	
		For Elevated Installation >10' To 15', Add	*1.50*	
		For Elevated Installation >15' To 20', Add	*3.00*	
		For Elevated Installation >20' To 25', Add	*3.75*	
		For Elevated Installation >25' To 30', Add	*5.24*	
		For Elevated Installation >30' To 35', Add	*5.99*	
		For Elevated Installation >35' To 40', Add	*7.49*	
		For Elevated Installation >40', Add	*8.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.49*	
26 05 33 13-0267	EA	3/4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	20.22	8.64
		For Work In Restricted Working Space, Add	*5.18*	
		For Elevated Installation >10' To 15', Add	*1.73*	
		For Elevated Installation >15' To 20', Add	*3.45*	
		For Elevated Installation >20' To 25', Add	*4.32*	
		For Elevated Installation >25' To 30', Add	*6.04*	
		For Elevated Installation >30' To 35', Add	*6.91*	
		For Elevated Installation >35' To 40', Add	*8.64*	
		For Elevated Installation >40', Add	*9.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.18*	
26 05 33 13-0268	EA	1" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	26.10	10.95
		For Work In Restricted Working Space, Add	*6.56*	
		For Elevated Installation >10' To 15', Add	*2.19*	
		For Elevated Installation >15' To 20', Add	*4.38*	
		For Elevated Installation >20' To 25', Add	*5.47*	
		For Elevated Installation >25' To 30', Add	*7.66*	
		For Elevated Installation >30' To 35', Add	*8.75*	
		For Elevated Installation >35' To 40', Add	*10.94*	
		For Elevated Installation >40', Add	*12.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.56*	
26 05 33 13-0269	EA	1-1/4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	30.52	12.67
		For Work In Restricted Working Space, Add	*7.60*	
		For Elevated Installation >10' To 15', Add	*2.53*	
		For Elevated Installation >15' To 20', Add	*5.07*	
		For Elevated Installation >20' To 25', Add	*6.34*	
		For Elevated Installation >25' To 30', Add	*8.87*	
		For Elevated Installation >30' To 35', Add	*10.14*	
		For Elevated Installation >35' To 40', Add	*12.67*	
		For Elevated Installation >40', Add	*13.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
26 05 33 13-0270	EA	1-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	35.35	14.40
		For Work In Restricted Working Space, Add	*8.64*	
		For Elevated Installation >10' To 15', Add	*2.88*	
		For Elevated Installation >15' To 20', Add	*5.76*	
		For Elevated Installation >20' To 25', Add	*7.20*	
		For Elevated Installation >25' To 30', Add	*10.08*	
		For Elevated Installation >30' To 35', Add	*11.52*	
		For Elevated Installation >35' To 40', Add	*14.40*	
		For Elevated Installation >40', Add	*15.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.64*	
26 05 33 13-0271	EA	2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	40.81	16.13
		For Work In Restricted Working Space, Add	*9.68*	
		For Elevated Installation >10' To 15', Add	*3.23*	
		For Elevated Installation >15' To 20', Add	*6.45*	
		For Elevated Installation >20' To 25', Add	*8.06*	
		For Elevated Installation >25' To 30', Add	*11.29*	
		For Elevated Installation >30' To 35', Add	*12.90*	
		For Elevated Installation >35' To 40', Add	*16.13*	
		For Elevated Installation >40', Add	*17.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.68*	
26 05 33 13-0272	EA	2-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	56.57	19.58
		For Work In Restricted Working Space, Add	*11.75*	
		For Elevated Installation >10' To 15', Add	*3.92*	
		For Elevated Installation >15' To 20', Add	*7.83*	
		For Elevated Installation >20' To 25', Add	*9.79*	
		For Elevated Installation >25' To 30', Add	*13.71*	
		For Elevated Installation >30' To 35', Add	*15.66*	
		For Elevated Installation >35' To 40', Add	*19.58*	
		For Elevated Installation >40', Add	*21.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0273	EA	3" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	75.28	27.07
		For Work In Restricted Working Space, Add	*16.24*	
		For Elevated Installation >10' To 15', Add	*5.41*	
		For Elevated Installation >15' To 20', Add	*10.83*	
		For Elevated Installation >20' To 25', Add	*13.53*	
		For Elevated Installation >25' To 30', Add	*18.95*	
		For Elevated Installation >30' To 35', Add	*21.65*	
		For Elevated Installation >35' To 40', Add	*27.07*	
		For Elevated Installation >40', Add	*29.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.24*	
26 05 33 13-0274	EA	3-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	86.78	30.52
		For Work In Restricted Working Space, Add	*18.31*	
		For Elevated Installation >10' To 15', Add	*6.10*	
		For Elevated Installation >15' To 20', Add	*12.21*	
		For Elevated Installation >20' To 25', Add	*15.26*	
		For Elevated Installation >25' To 30', Add	*21.36*	
		For Elevated Installation >30' To 35', Add	*24.42*	
		For Elevated Installation >35' To 40', Add	*30.52*	
		For Elevated Installation >40', Add	*33.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.31*	
26 05 33 13-0275	EA	4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	108.36	39.74
		For Work In Restricted Working Space, Add	*23.84*	
		For Elevated Installation >10' To 15', Add	*7.95*	
		For Elevated Installation >15' To 20', Add	*15.89*	
		For Elevated Installation >20' To 25', Add	*19.87*	
		For Elevated Installation >25' To 30', Add	*27.81*	
		For Elevated Installation >30' To 35', Add	*31.78*	
		For Elevated Installation >35' To 40', Add	*39.73*	
		For Elevated Installation >40', Add	*43.70*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.84*	
26 05 33 13-0276	EA	1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	17.81	7.49
		For Work In Restricted Working Space, Add	*4.49*	
		For Elevated Installation >10' To 15', Add	*1.50*	
		For Elevated Installation >15' To 20', Add	*3.00*	
		For Elevated Installation >20' To 25', Add	*3.75*	
		For Elevated Installation >25' To 30', Add	*5.24*	
		For Elevated Installation >30' To 35', Add	*5.99*	
		For Elevated Installation >35' To 40', Add	*7.49*	
		For Elevated Installation >40', Add	*8.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.49*	
26 05 33 13-0277	EA	3/4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	20.66	8.64
		For Work In Restricted Working Space, Add	*5.18*	
		For Elevated Installation >10' To 15', Add	*1.73*	
		For Elevated Installation >15' To 20', Add	*3.45*	
		For Elevated Installation >20' To 25', Add	*4.32*	
		For Elevated Installation >25' To 30', Add	*6.04*	
		For Elevated Installation >30' To 35', Add	*6.91*	
		For Elevated Installation >35' To 40', Add	*8.64*	
		For Elevated Installation >40', Add	*9.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.18*	
26 05 33 13-0278	EA	1" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	26.67	10.95
		For Work In Restricted Working Space, Add	*6.56*	
		For Elevated Installation >10' To 15', Add	*2.19*	
		For Elevated Installation >15' To 20', Add	*4.38*	
		For Elevated Installation >20' To 25', Add	*5.47*	
		For Elevated Installation >25' To 30', Add	*7.66*	
		For Elevated Installation >30' To 35', Add	*8.75*	
		For Elevated Installation >35' To 40', Add	*10.94*	
		For Elevated Installation >40', Add	*12.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.56*	
26 05 33 13-0279	EA	1-1/4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	31.34	12.67
		For Work In Restricted Working Space, Add	*7.60*	
		For Elevated Installation >10' To 15', Add	*2.53*	
		For Elevated Installation >15' To 20', Add	*5.07*	
		For Elevated Installation >20' To 25', Add	*6.34*	
		For Elevated Installation >25' To 30', Add	*8.87*	
		For Elevated Installation >30' To 35', Add	*10.14*	
		For Elevated Installation >35' To 40', Add	*12.67*	
		For Elevated Installation >40', Add	*13.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
26 05 33 13-0280	EA	1-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	36.15	14.40
		For Work In Restricted Working Space, Add	*8.64*	
		For Elevated Installation >10' To 15', Add	*2.88*	
		For Elevated Installation >15' To 20', Add	*5.76*	
		For Elevated Installation >20' To 25', Add	*7.20*	
		For Elevated Installation >25' To 30', Add	*10.08*	
		For Elevated Installation >30' To 35', Add	*11.52*	
		For Elevated Installation >35' To 40', Add	*14.40*	
		For Elevated Installation >40', Add	*15.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0281	EA	2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	42.24	16.13
		For Work In Restricted Working Space, Add	*9.68*	
		For Elevated Installation >10' To 15', Add	*3.23*	
		For Elevated Installation >15' To 20', Add	*6.45*	
		For Elevated Installation >20' To 25', Add	*8.06*	
		For Elevated Installation >25' To 30', Add	*11.29*	
		For Elevated Installation >30' To 35', Add	*12.90*	
		For Elevated Installation >35' To 40', Add	*16.13*	
		For Elevated Installation >40', Add	*17.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.68*	
26 05 33 13-0282	EA	2-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	59.74	19.58
		For Work In Restricted Working Space, Add	*11.75*	
		For Elevated Installation >10' To 15', Add	*3.92*	
		For Elevated Installation >15' To 20', Add	*7.83*	
		For Elevated Installation >20' To 25', Add	*9.79*	
		For Elevated Installation >25' To 30', Add	*13.71*	
		For Elevated Installation >30' To 35', Add	*15.66*	
		For Elevated Installation >35' To 40', Add	*19.58*	
		For Elevated Installation >40', Add	*21.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.75*	
26 05 33 13-0283	EA	3" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	78.72	27.07
		For Work In Restricted Working Space, Add	*16.24*	
		For Elevated Installation >10' To 15', Add	*5.41*	
		For Elevated Installation >15' To 20', Add	*10.83*	
		For Elevated Installation >20' To 25', Add	*13.53*	
		For Elevated Installation >25' To 30', Add	*18.95*	
		For Elevated Installation >30' To 35', Add	*21.65*	
		For Elevated Installation >35' To 40', Add	*27.07*	
		For Elevated Installation >40', Add	*29.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.24*	
26 05 33 13-0284	EA	3-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	90.20	30.52
		For Work In Restricted Working Space, Add	*18.31*	
		For Elevated Installation >10' To 15', Add	*6.10*	
		For Elevated Installation >15' To 20', Add	*12.21*	
		For Elevated Installation >20' To 25', Add	*15.26*	
		For Elevated Installation >25' To 30', Add	*21.36*	
		For Elevated Installation >30' To 35', Add	*24.42*	
		For Elevated Installation >35' To 40', Add	*30.52*	
		For Elevated Installation >40', Add	*33.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.31*	
26 05 33 13-0285	EA	4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	113.35	39.74
		For Work In Restricted Working Space, Add	*23.84*	
		For Elevated Installation >10' To 15', Add	*7.95*	
		For Elevated Installation >15' To 20', Add	*15.89*	
		For Elevated Installation >20' To 25', Add	*19.87*	
		For Elevated Installation >25' To 30', Add	*27.81*	
		For Elevated Installation >30' To 35', Add	*31.78*	
		For Elevated Installation >35' To 40', Add	*39.73*	
		For Elevated Installation >40', Add	*43.70*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.84*	
26 05 33 13-0286	EA	5" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	175.20	54.71
		For Work In Restricted Working Space, Add	*32.83*	
		For Elevated Installation >10' To 15', Add	*10.94*	
		For Elevated Installation >15' To 20', Add	*21.88*	
		For Elevated Installation >20' To 25', Add	*27.36*	
		For Elevated Installation >25' To 30', Add	*38.30*	
		For Elevated Installation >30' To 35', Add	*43.77*	
		For Elevated Installation >35' To 40', Add	*54.71*	
		For Elevated Installation >40', Add	*60.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.83*	
26 05 33 13-0287	EA	6" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	222.36	70.14
		For Work In Restricted Working Space, Add	*42.11*	
		For Elevated Installation >10' To 15', Add	*14.04*	
		For Elevated Installation >15' To 20', Add	*28.08*	
		For Elevated Installation >20' To 25', Add	*35.10*	
		For Elevated Installation >25' To 30', Add	*49.13*	
		For Elevated Installation >30' To 35', Add	*56.15*	
		For Elevated Installation >35' To 40', Add	*70.19*	
		For Elevated Installation >40', Add	*77.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.11*	
26 05 33 13-0288	EA	1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	18.36	7.49
		For Work In Restricted Working Space, Add	*4.49*	
		For Elevated Installation >10' To 15', Add	*1.50*	
		For Elevated Installation >15' To 20', Add	*3.00*	
		For Elevated Installation >20' To 25', Add	*3.75*	
		For Elevated Installation >25' To 30', Add	*5.24*	
		For Elevated Installation >30' To 35', Add	*5.99*	
		For Elevated Installation >35' To 40', Add	*7.49*	
		For Elevated Installation >40', Add	*8.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0289	EA	3/4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	21.22	8.64
		For Work In Restricted Working Space, Add	*5.18*	
		For Elevated Installation >10' To 15', Add	*1.73*	
		For Elevated Installation >15' To 20', Add	*3.45*	
		For Elevated Installation >20' To 25', Add	*4.32*	
		For Elevated Installation >25' To 30', Add	*6.04*	
		For Elevated Installation >30' To 35', Add	*6.91*	
		For Elevated Installation >35' To 40', Add	*8.64*	
		For Elevated Installation >40', Add	*9.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.18*	
26 05 33 13-0290	EA	1" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	27.12	10.95
		For Work In Restricted Working Space, Add	*6.56*	
		For Elevated Installation >10' To 15', Add	*2.19*	
		For Elevated Installation >15' To 20', Add	*4.38*	
		For Elevated Installation >20' To 25', Add	*5.47*	
		For Elevated Installation >25' To 30', Add	*7.66*	
		For Elevated Installation >30' To 35', Add	*8.75*	
		For Elevated Installation >35' To 40', Add	*10.94*	
		For Elevated Installation >40', Add	*12.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.56*	
26 05 33 13-0291	EA	1-1/4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	32.09	12.67
		For Work In Restricted Working Space, Add	*7.60*	
		For Elevated Installation >10' To 15', Add	*2.53*	
		For Elevated Installation >15' To 20', Add	*5.07*	
		For Elevated Installation >20' To 25', Add	*6.34*	
		For Elevated Installation >25' To 30', Add	*8.87*	
		For Elevated Installation >30' To 35', Add	*10.14*	
		For Elevated Installation >35' To 40', Add	*12.67*	
		For Elevated Installation >40', Add	*13.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
26 05 33 13-0292	EA	1-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	37.84	14.40
		For Work In Restricted Working Space, Add	*8.64*	
		For Elevated Installation >10' To 15', Add	*2.88*	
		For Elevated Installation >15' To 20', Add	*5.76*	
		For Elevated Installation >20' To 25', Add	*7.20*	
		For Elevated Installation >25' To 30', Add	*10.08*	
		For Elevated Installation >30' To 35', Add	*11.52*	
		For Elevated Installation >35' To 40', Add	*14.40*	
		For Elevated Installation >40', Add	*15.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.64*	
26 05 33 13-0293	EA	2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	43.68	16.13
		For Work In Restricted Working Space, Add	*9.68*	
		For Elevated Installation >10' To 15', Add	*3.23*	
		For Elevated Installation >15' To 20', Add	*6.45*	
		For Elevated Installation >20' To 25', Add	*8.06*	
		For Elevated Installation >25' To 30', Add	*11.29*	
		For Elevated Installation >30' To 35', Add	*12.90*	
		For Elevated Installation >35' To 40', Add	*16.13*	
		For Elevated Installation >40', Add	*17.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.68*	
26 05 33 13-0294	EA	2-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	62.52	19.58
		For Work In Restricted Working Space, Add	*11.75*	
		For Elevated Installation >10' To 15', Add	*3.92*	
		For Elevated Installation >15' To 20', Add	*7.83*	
		For Elevated Installation >20' To 25', Add	*9.79*	
		For Elevated Installation >25' To 30', Add	*13.71*	
		For Elevated Installation >30' To 35', Add	*15.66*	
		For Elevated Installation >35' To 40', Add	*19.58*	
		For Elevated Installation >40', Add	*21.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.75*	
26 05 33 13-0295	EA	3" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	82.20	27.07
		For Work In Restricted Working Space, Add	*16.24*	
		For Elevated Installation >10' To 15', Add	*5.41*	
		For Elevated Installation >15' To 20', Add	*10.83*	
		For Elevated Installation >20' To 25', Add	*13.53*	
		For Elevated Installation >25' To 30', Add	*18.95*	
		For Elevated Installation >30' To 35', Add	*21.65*	
		For Elevated Installation >35' To 40', Add	*27.07*	
		For Elevated Installation >40', Add	*29.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.24*	
26 05 33 13-0296	EA	3-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	94.36	30.52
		For Work In Restricted Working Space, Add	*18.31*	
		For Elevated Installation >10' To 15', Add	*6.10*	
		For Elevated Installation >15' To 20', Add	*12.21*	
		For Elevated Installation >20' To 25', Add	*15.26*	
		For Elevated Installation >25' To 30', Add	*21.36*	
		For Elevated Installation >30' To 35', Add	*24.42*	
		For Elevated Installation >35' To 40', Add	*30.52*	
		For Elevated Installation >40', Add	*33.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0297	EA	4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	117.31	39.74
		For Work In Restricted Working Space, Add	*23.84*	
		For Elevated Installation >10' To 15', Add	*7.95*	
		For Elevated Installation >15' To 20', Add	*15.89*	
		For Elevated Installation >20' To 25', Add	*19.87*	
		For Elevated Installation >25' To 30', Add	*27.81*	
		For Elevated Installation >30' To 35', Add	*31.78*	
		For Elevated Installation >35' To 40', Add	*39.73*	
		For Elevated Installation >40', Add	*43.70*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.84*	
26 05 33 13-0298	EA	5" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	180.99	54.71
		For Work In Restricted Working Space, Add	*32.83*	
		For Elevated Installation >10' To 15', Add	*10.94*	
		For Elevated Installation >15' To 20', Add	*21.88*	
		For Elevated Installation >20' To 25', Add	*27.36*	
		For Elevated Installation >25' To 30', Add	*38.30*	
		For Elevated Installation >30' To 35', Add	*43.77*	
		For Elevated Installation >35' To 40', Add	*54.71*	
		For Elevated Installation >40', Add	*60.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.83*	
26 05 33 13-0299	EA	6" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	230.84	70.14
		For Work In Restricted Working Space, Add	*42.11*	
		For Elevated Installation >10' To 15', Add	*14.04*	
		For Elevated Installation >15' To 20', Add	*28.08*	
		For Elevated Installation >20' To 25', Add	*35.10*	
		For Elevated Installation >25' To 30', Add	*49.13*	
		For Elevated Installation >30' To 35', Add	*56.15*	
		For Elevated Installation >35' To 40', Add	*70.19*	
		For Elevated Installation >40', Add	*77.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.11*	
26 05 33 13-0300	EA	1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	20.37	7.49
		For Work In Restricted Working Space, Add	*4.49*	
		For Elevated Installation >10' To 15', Add	*1.50*	
		For Elevated Installation >15' To 20', Add	*3.00*	
		For Elevated Installation >20' To 25', Add	*3.75*	
		For Elevated Installation >25' To 30', Add	*5.24*	
		For Elevated Installation >30' To 35', Add	*5.99*	
		For Elevated Installation >35' To 40', Add	*7.49*	
		For Elevated Installation >40', Add	*8.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.49*	
26 05 33 13-0301	EA	3/4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	23.79	8.64
		For Work In Restricted Working Space, Add	*5.18*	
		For Elevated Installation >10' To 15', Add	*1.73*	
		For Elevated Installation >15' To 20', Add	*3.45*	
		For Elevated Installation >20' To 25', Add	*4.32*	
		For Elevated Installation >25' To 30', Add	*6.04*	
		For Elevated Installation >30' To 35', Add	*6.91*	
		For Elevated Installation >35' To 40', Add	*8.64*	
		For Elevated Installation >40', Add	*9.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.18*	
26 05 33 13-0302	EA	1" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	30.14	10.95
		For Work In Restricted Working Space, Add	*6.56*	
		For Elevated Installation >10' To 15', Add	*2.19*	
		For Elevated Installation >15' To 20', Add	*4.38*	
		For Elevated Installation >20' To 25', Add	*5.47*	
		For Elevated Installation >25' To 30', Add	*7.66*	
		For Elevated Installation >30' To 35', Add	*8.75*	
		For Elevated Installation >35' To 40', Add	*10.94*	
		For Elevated Installation >40', Add	*12.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.56*	
26 05 33 13-0303	EA	1-1/4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	36.40	12.67
		For Work In Restricted Working Space, Add	*7.60*	
		For Elevated Installation >10' To 15', Add	*2.53*	
		For Elevated Installation >15' To 20', Add	*5.07*	
		For Elevated Installation >20' To 25', Add	*6.34*	
		For Elevated Installation >25' To 30', Add	*8.87*	
		For Elevated Installation >30' To 35', Add	*10.14*	
		For Elevated Installation >35' To 40', Add	*12.67*	
		For Elevated Installation >40', Add	*13.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
26 05 33 13-0304	EA	1-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	42.64	14.40
		For Work In Restricted Working Space, Add	*8.64*	
		For Elevated Installation >10' To 15', Add	*2.88*	
		For Elevated Installation >15' To 20', Add	*5.76*	
		For Elevated Installation >20' To 25', Add	*7.20*	
		For Elevated Installation >25' To 30', Add	*10.08*	
		For Elevated Installation >30' To 35', Add	*11.52*	
		For Elevated Installation >35' To 40', Add	*14.40*	
		For Elevated Installation >40', Add	*15.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0305	EA	2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	48.73	16.13
		For Work In Restricted Working Space, Add	*9.68*	
		For Elevated Installation >10' To 15', Add	*3.23*	
		For Elevated Installation >15' To 20', Add	*6.45*	
		For Elevated Installation >20' To 25', Add	*8.06*	
		For Elevated Installation >25' To 30', Add	*11.29*	
		For Elevated Installation >30' To 35', Add	*12.90*	
		For Elevated Installation >35' To 40', Add	*16.13*	
		For Elevated Installation >40', Add	*17.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.68*	
26 05 33 13-0306	EA	2-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	69.88	19.58
		For Work In Restricted Working Space, Add	*11.75*	
		For Elevated Installation >10' To 15', Add	*3.92*	
		For Elevated Installation >15' To 20', Add	*7.83*	
		For Elevated Installation >20' To 25', Add	*9.79*	
		For Elevated Installation >25' To 30', Add	*13.71*	
		For Elevated Installation >30' To 35', Add	*15.66*	
		For Elevated Installation >35' To 40', Add	*19.58*	
		For Elevated Installation >40', Add	*21.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.75*	
26 05 33 13-0307	EA	3" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	90.66	27.07
		For Work In Restricted Working Space, Add	*16.24*	
		For Elevated Installation >10' To 15', Add	*5.41*	
		For Elevated Installation >15' To 20', Add	*10.83*	
		For Elevated Installation >20' To 25', Add	*13.53*	
		For Elevated Installation >25' To 30', Add	*18.95*	
		For Elevated Installation >30' To 35', Add	*21.65*	
		For Elevated Installation >35' To 40', Add	*27.07*	
		For Elevated Installation >40', Add	*29.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.24*	
26 05 33 13-0308	EA	3-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	102.79	30.52
		For Work In Restricted Working Space, Add	*18.31*	
		For Elevated Installation >10' To 15', Add	*6.10*	
		For Elevated Installation >15' To 20', Add	*12.21*	
		For Elevated Installation >20' To 25', Add	*15.26*	
		For Elevated Installation >25' To 30', Add	*21.36*	
		For Elevated Installation >30' To 35', Add	*24.42*	
		For Elevated Installation >35' To 40', Add	*30.52*	
		For Elevated Installation >40', Add	*33.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.31*	
26 05 33 13-0309	EA	4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	126.62	39.74
		For Work In Restricted Working Space, Add	*23.84*	
		For Elevated Installation >10' To 15', Add	*7.95*	
		For Elevated Installation >15' To 20', Add	*15.89*	
		For Elevated Installation >20' To 25', Add	*19.87*	
		For Elevated Installation >25' To 30', Add	*27.81*	
		For Elevated Installation >30' To 35', Add	*31.78*	
		For Elevated Installation >35' To 40', Add	*39.73*	
		For Elevated Installation >40', Add	*43.70*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.84*	
26 05 33 13-0310	EA	5" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	194.43	54.71
		For Work In Restricted Working Space, Add	*32.83*	
		For Elevated Installation >10' To 15', Add	*10.94*	
		For Elevated Installation >15' To 20', Add	*21.88*	
		For Elevated Installation >20' To 25', Add	*27.36*	
		For Elevated Installation >25' To 30', Add	*38.30*	
		For Elevated Installation >30' To 35', Add	*43.77*	
		For Elevated Installation >35' To 40', Add	*54.71*	
		For Elevated Installation >40', Add	*60.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.83*	
26 05 33 13-0311	EA	6" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	245.93	70.14
		For Work In Restricted Working Space, Add	*42.11*	
		For Elevated Installation >10' To 15', Add	*14.04*	
		For Elevated Installation >15' To 20', Add	*28.08*	
		For Elevated Installation >20' To 25', Add	*35.10*	
		For Elevated Installation >25' To 30', Add	*49.13*	
		For Elevated Installation >30' To 35', Add	*56.15*	
		For Elevated Installation >35' To 40', Add	*70.19*	
		For Elevated Installation >40', Add	*77.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.11*	
26 05 33 13-0312	EA	1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	21.72	7.49
		For Work In Restricted Working Space, Add	*4.49*	
		For Elevated Installation >10' To 15', Add	*1.50*	
		For Elevated Installation >15' To 20', Add	*3.00*	
		For Elevated Installation >20' To 25', Add	*3.75*	
		For Elevated Installation >25' To 30', Add	*5.24*	
		For Elevated Installation >30' To 35', Add	*5.99*	
		For Elevated Installation >35' To 40', Add	*7.49*	
		For Elevated Installation >40', Add	*8.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0313	EA	3/4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	25.10	8.64
		For Work In Restricted Working Space, Add	*5.18*	
		For Elevated Installation >10' To 15', Add	*1.73*	
		For Elevated Installation >15' To 20', Add	*3.45*	
		For Elevated Installation >20' To 25', Add	*4.32*	
		For Elevated Installation >25' To 30', Add	*6.04*	
		For Elevated Installation >30' To 35', Add	*6.91*	
		For Elevated Installation >35' To 40', Add	*8.64*	
		For Elevated Installation >40', Add	*9.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.18*	
26 05 33 13-0314	EA	1" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	32.54	10.95
		For Work In Restricted Working Space, Add	*6.56*	
		For Elevated Installation >10' To 15', Add	*2.19*	
		For Elevated Installation >15' To 20', Add	*4.38*	
		For Elevated Installation >20' To 25', Add	*5.47*	
		For Elevated Installation >25' To 30', Add	*7.66*	
		For Elevated Installation >30' To 35', Add	*8.75*	
		For Elevated Installation >35' To 40', Add	*10.94*	
		For Elevated Installation >40', Add	*12.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.56*	
26 05 33 13-0315	EA	1-1/4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	39.25	12.67
		For Work In Restricted Working Space, Add	*7.60*	
		For Elevated Installation >10' To 15', Add	*2.53*	
		For Elevated Installation >15' To 20', Add	*5.07*	
		For Elevated Installation >20' To 25', Add	*6.34*	
		For Elevated Installation >25' To 30', Add	*8.87*	
		For Elevated Installation >30' To 35', Add	*10.14*	
		For Elevated Installation >35' To 40', Add	*12.67*	
		For Elevated Installation >40', Add	*13.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
26 05 33 13-0316	EA	1-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	45.45	14.40
		For Work In Restricted Working Space, Add	*8.64*	
		For Elevated Installation >10' To 15', Add	*2.88*	
		For Elevated Installation >15' To 20', Add	*5.76*	
		For Elevated Installation >20' To 25', Add	*7.20*	
		For Elevated Installation >25' To 30', Add	*10.08*	
		For Elevated Installation >30' To 35', Add	*11.52*	
		For Elevated Installation >35' To 40', Add	*14.40*	
		For Elevated Installation >40', Add	*15.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.64*	
26 05 33 13-0317	EA	2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	51.99	16.13
		For Work In Restricted Working Space, Add	*9.68*	
		For Elevated Installation >10' To 15', Add	*3.23*	
		For Elevated Installation >15' To 20', Add	*6.45*	
		For Elevated Installation >20' To 25', Add	*8.06*	
		For Elevated Installation >25' To 30', Add	*11.29*	
		For Elevated Installation >30' To 35', Add	*12.90*	
		For Elevated Installation >35' To 40', Add	*16.13*	
		For Elevated Installation >40', Add	*17.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.68*	
26 05 33 13-0318	EA	2-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	74.83	19.58
		For Work In Restricted Working Space, Add	*11.75*	
		For Elevated Installation >10' To 15', Add	*3.92*	
		For Elevated Installation >15' To 20', Add	*7.83*	
		For Elevated Installation >20' To 25', Add	*9.79*	
		For Elevated Installation >25' To 30', Add	*13.71*	
		For Elevated Installation >30' To 35', Add	*15.66*	
		For Elevated Installation >35' To 40', Add	*19.58*	
		For Elevated Installation >40', Add	*21.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.75*	
26 05 33 13-0319	EA	3" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	97.31	27.07
		For Work In Restricted Working Space, Add	*16.24*	
		For Elevated Installation >10' To 15', Add	*5.41*	
		For Elevated Installation >15' To 20', Add	*10.83*	
		For Elevated Installation >20' To 25', Add	*13.53*	
		For Elevated Installation >25' To 30', Add	*18.95*	
		For Elevated Installation >30' To 35', Add	*21.65*	
		For Elevated Installation >35' To 40', Add	*27.07*	
		For Elevated Installation >40', Add	*29.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.24*	
26 05 33 13-0320	EA	3-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	111.55	30.52
		For Work In Restricted Working Space, Add	*18.31*	
		For Elevated Installation >10' To 15', Add	*6.10*	
		For Elevated Installation >15' To 20', Add	*12.21*	
		For Elevated Installation >20' To 25', Add	*15.26*	
		For Elevated Installation >25' To 30', Add	*21.36*	
		For Elevated Installation >30' To 35', Add	*24.42*	
		For Elevated Installation >35' To 40', Add	*30.52*	
		For Elevated Installation >40', Add	*33.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0321	EA	4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	137.71	39.74
		For Work In Restricted Working Space, Add	*23.84*	
		For Elevated Installation >10' To 15', Add	*7.95*	
		For Elevated Installation >15' To 20', Add	*15.89*	
		For Elevated Installation >20' To 25', Add	*19.87*	
		For Elevated Installation >25' To 30', Add	*27.81*	
		For Elevated Installation >30' To 35', Add	*31.78*	
		For Elevated Installation >35' To 40', Add	*39.73*	
		For Elevated Installation >40', Add	*43.70*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.84*	
26 05 33 13-0322	EA	5" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	209.09	54.71
		For Work In Restricted Working Space, Add	*32.83*	
		For Elevated Installation >10' To 15', Add	*10.94*	
		For Elevated Installation >15' To 20', Add	*21.88*	
		For Elevated Installation >20' To 25', Add	*27.36*	
		For Elevated Installation >25' To 30', Add	*38.30*	
		For Elevated Installation >30' To 35', Add	*43.77*	
		For Elevated Installation >35' To 40', Add	*54.71*	
		For Elevated Installation >40', Add	*60.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.83*	
26 05 33 13-0323	EA	6" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	272.30	70.14
		For Work In Restricted Working Space, Add	*42.11*	
		For Elevated Installation >10' To 15', Add	*14.04*	
		For Elevated Installation >15' To 20', Add	*28.08*	
		For Elevated Installation >20' To 25', Add	*35.10*	
		For Elevated Installation >25' To 30', Add	*49.13*	
		For Elevated Installation >30' To 35', Add	*56.15*	
		For Elevated Installation >35' To 40', Add	*70.19*	
		For Elevated Installation >40', Add	*77.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.11*	
26 05 33 13-0324	EA	1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	22.75	7.49
		For Work In Restricted Working Space, Add	*4.49*	
		For Elevated Installation >10' To 15', Add	*1.50*	
		For Elevated Installation >15' To 20', Add	*3.00*	
		For Elevated Installation >20' To 25', Add	*3.75*	
		For Elevated Installation >25' To 30', Add	*5.24*	
		For Elevated Installation >30' To 35', Add	*5.99*	
		For Elevated Installation >35' To 40', Add	*7.49*	
		For Elevated Installation >40', Add	*8.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.49*	
26 05 33 13-0325	EA	3/4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	26.07	8.64
		For Work In Restricted Working Space, Add	*5.18*	
		For Elevated Installation >10' To 15', Add	*1.73*	
		For Elevated Installation >15' To 20', Add	*3.45*	
		For Elevated Installation >20' To 25', Add	*4.32*	
		For Elevated Installation >25' To 30', Add	*6.04*	
		For Elevated Installation >30' To 35', Add	*6.91*	
		For Elevated Installation >35' To 40', Add	*8.64*	
		For Elevated Installation >40', Add	*9.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.18*	
26 05 33 13-0326	EA	1" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	33.98	10.95
		For Work In Restricted Working Space, Add	*6.56*	
		For Elevated Installation >10' To 15', Add	*2.19*	
		For Elevated Installation >15' To 20', Add	*4.38*	
		For Elevated Installation >20' To 25', Add	*5.47*	
		For Elevated Installation >25' To 30', Add	*7.66*	
		For Elevated Installation >30' To 35', Add	*8.75*	
		For Elevated Installation >35' To 40', Add	*10.94*	
		For Elevated Installation >40', Add	*12.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.56*	
26 05 33 13-0327	EA	1-1/4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	41.54	12.67
		For Work In Restricted Working Space, Add	*7.60*	
		For Elevated Installation >10' To 15', Add	*2.53*	
		For Elevated Installation >15' To 20', Add	*5.07*	
		For Elevated Installation >20' To 25', Add	*6.34*	
		For Elevated Installation >25' To 30', Add	*8.87*	
		For Elevated Installation >30' To 35', Add	*10.14*	
		For Elevated Installation >35' To 40', Add	*12.67*	
		For Elevated Installation >40', Add	*13.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
26 05 33 13-0328	EA	1-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	46.86	14.40
		For Work In Restricted Working Space, Add	*8.64*	
		For Elevated Installation >10' To 15', Add	*2.88*	
		For Elevated Installation >15' To 20', Add	*5.76*	
		For Elevated Installation >20' To 25', Add	*7.20*	
		For Elevated Installation >25' To 30', Add	*10.08*	
		For Elevated Installation >30' To 35', Add	*11.52*	
		For Elevated Installation >35' To 40', Add	*14.40*	
		For Elevated Installation >40', Add	*15.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0329	EA	2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	54.73	16.13
		For Work In Restricted Working Space, Add	*9.68*	
		For Elevated Installation >10' To 15', Add	*3.23*	
		For Elevated Installation >15' To 20', Add	*6.45*	
		For Elevated Installation >20' To 25', Add	*8.06*	
		For Elevated Installation >25' To 30', Add	*11.29*	
		For Elevated Installation >30' To 35', Add	*12.90*	
		For Elevated Installation >35' To 40', Add	*16.13*	
		For Elevated Installation >40', Add	*17.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.68*	
26 05 33 13-0330	EA	2-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	80.65	19.58
		For Work In Restricted Working Space, Add	*11.75*	
		For Elevated Installation >10' To 15', Add	*3.92*	
		For Elevated Installation >15' To 20', Add	*7.83*	
		For Elevated Installation >20' To 25', Add	*9.79*	
		For Elevated Installation >25' To 30', Add	*13.71*	
		For Elevated Installation >30' To 35', Add	*15.66*	
		For Elevated Installation >35' To 40', Add	*19.58*	
		For Elevated Installation >40', Add	*21.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.75*	
26 05 33 13-0331	EA	3" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	106.55	27.07
		For Work In Restricted Working Space, Add	*16.24*	
		For Elevated Installation >10' To 15', Add	*5.41*	
		For Elevated Installation >15' To 20', Add	*10.83*	
		For Elevated Installation >20' To 25', Add	*13.53*	
		For Elevated Installation >25' To 30', Add	*18.95*	
		For Elevated Installation >30' To 35', Add	*21.65*	
		For Elevated Installation >35' To 40', Add	*27.07*	
		For Elevated Installation >40', Add	*29.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.24*	
26 05 33 13-0332	EA	3-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	120.07	30.52
		For Work In Restricted Working Space, Add	*18.31*	
		For Elevated Installation >10' To 15', Add	*6.10*	
		For Elevated Installation >15' To 20', Add	*12.21*	
		For Elevated Installation >20' To 25', Add	*15.26*	
		For Elevated Installation >25' To 30', Add	*21.36*	
		For Elevated Installation >30' To 35', Add	*24.42*	
		For Elevated Installation >35' To 40', Add	*30.52*	
		For Elevated Installation >40', Add	*33.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.31*	
26 05 33 13-0333	EA	4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	148.81	39.74
		For Work In Restricted Working Space, Add	*23.84*	
		For Elevated Installation >10' To 15', Add	*7.95*	
		For Elevated Installation >15' To 20', Add	*15.89*	
		For Elevated Installation >20' To 25', Add	*19.87*	
		For Elevated Installation >25' To 30', Add	*27.81*	
		For Elevated Installation >30' To 35', Add	*31.78*	
		For Elevated Installation >35' To 40', Add	*39.73*	
		For Elevated Installation >40', Add	*43.70*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.84*	
26 05 33 13-0334	EA	5" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	230.15	54.71
		For Work In Restricted Working Space, Add	*32.83*	
		For Elevated Installation >10' To 15', Add	*10.94*	
		For Elevated Installation >15' To 20', Add	*21.88*	
		For Elevated Installation >20' To 25', Add	*27.36*	
		For Elevated Installation >25' To 30', Add	*38.30*	
		For Elevated Installation >30' To 35', Add	*43.77*	
		For Elevated Installation >35' To 40', Add	*54.71*	
		For Elevated Installation >40', Add	*60.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.83*	
26 05 33 13-0335	EA	6" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	286.95	70.14
		For Work In Restricted Working Space, Add	*42.11*	
		For Elevated Installation >10' To 15', Add	*14.04*	
		For Elevated Installation >15' To 20', Add	*28.08*	
		For Elevated Installation >20' To 25', Add	*35.10*	
		For Elevated Installation >25' To 30', Add	*49.13*	
		For Elevated Installation >30' To 35', Add	*56.15*	
		For Elevated Installation >35' To 40', Add	*70.19*	
		For Elevated Installation >40', Add	*77.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.11*	

26 05 33 13-0336 Rigid Galvanized Steel (RGS) Off-Set Nipples *(26 05 33 13-0060)*

26 05 33 13-0337	EA	1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple	17.29	5.98
		For Work In Restricted Working Space, Add	*4.53*	
		For Elevated Installation >10' To 15', Add	*1.51*	
		For Elevated Installation >15' To 20', Add	*3.02*	
		For Elevated Installation >20' To 25', Add	*3.77*	
		For Elevated Installation >25' To 30', Add	*5.28*	
		For Elevated Installation >30' To 35', Add	*6.04*	
		For Elevated Installation >35' To 40', Add	*7.55*	
		For Elevated Installation >40', Add	*8.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0338	EA	3/4" Rigid Galvanized Steel (RGS) Off-Set Nipple	20.54	6.91
		For Work In Restricted Working Space, Add	*5.15*	
		For Elevated Installation >10' To 15', Add	*1.72*	
		For Elevated Installation >15' To 20', Add	*3.44*	
		For Elevated Installation >20' To 25', Add	*4.30*	
		For Elevated Installation >25' To 30', Add	*6.01*	
		For Elevated Installation >30' To 35', Add	*6.87*	
		For Elevated Installation >35' To 40', Add	*8.59*	
		For Elevated Installation >40', Add	*9.45*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.15*	
26 05 33 13-0339	EA	1" Rigid Galvanized Steel (RGS) Off-Set Nipple	25.81	8.75
		For Work In Restricted Working Space, Add	*6.59*	
		For Elevated Installation >10' To 15', Add	*2.20*	
		For Elevated Installation >15' To 20', Add	*4.39*	
		For Elevated Installation >20' To 25', Add	*5.49*	
		For Elevated Installation >25' To 30', Add	*7.69*	
		For Elevated Installation >30' To 35', Add	*8.79*	
		For Elevated Installation >35' To 40', Add	*10.99*	
		For Elevated Installation >40', Add	*12.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.59*	
26 05 33 13-0340	EA	1-1/4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	32.53	10.49
		For Work In Restricted Working Space, Add	*7.90*	
		For Elevated Installation >10' To 15', Add	*2.63*	
		For Elevated Installation >15' To 20', Add	*5.27*	
		For Elevated Installation >20' To 25', Add	*6.58*	
		For Elevated Installation >25' To 30', Add	*9.22*	
		For Elevated Installation >30' To 35', Add	*10.53*	
		For Elevated Installation >35' To 40', Add	*13.17*	
		For Elevated Installation >40', Add	*14.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.90*	
26 05 33 13-0341	EA	1-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	35.62	11.52
		For Work In Restricted Working Space, Add	*8.65*	
		For Elevated Installation >10' To 15', Add	*2.88*	
		For Elevated Installation >15' To 20', Add	*5.76*	
		For Elevated Installation >20' To 25', Add	*7.21*	
		For Elevated Installation >25' To 30', Add	*10.09*	
		For Elevated Installation >30' To 35', Add	*11.53*	
		For Elevated Installation >35' To 40', Add	*14.41*	
		For Elevated Installation >40', Add	*15.85*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.65*	
26 05 33 13-0342	EA	2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	46.30	14.16
		For Work In Restricted Working Space, Add	*10.65*	
		For Elevated Installation >10' To 15', Add	*3.55*	
		For Elevated Installation >15' To 20', Add	*7.10*	
		For Elevated Installation >20' To 25', Add	*8.88*	
		For Elevated Installation >25' To 30', Add	*12.43*	
		For Elevated Installation >30' To 35', Add	*14.20*	
		For Elevated Installation >35' To 40', Add	*17.75*	
		For Elevated Installation >40', Add	*19.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.65*	
26 05 33 13-0343	EA	2-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	75.60	23.04
		For Work In Restricted Working Space, Add	*17.28*	
		For Elevated Installation >10' To 15', Add	*5.76*	
		For Elevated Installation >15' To 20', Add	*11.52*	
		For Elevated Installation >20' To 25', Add	*14.40*	
		For Elevated Installation >25' To 30', Add	*20.16*	
		For Elevated Installation >30' To 35', Add	*23.04*	
		For Elevated Installation >35' To 40', Add	*28.80*	
		For Elevated Installation >40', Add	*31.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.28*	
26 05 33 13-0344	EA	3" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	120.37	31.79
		For Work In Restricted Working Space, Add	*23.84*	
		For Elevated Installation >10' To 15', Add	*7.95*	
		For Elevated Installation >15' To 20', Add	*15.89*	
		For Elevated Installation >20' To 25', Add	*19.87*	
		For Elevated Installation >25' To 30', Add	*27.81*	
		For Elevated Installation >30' To 35', Add	*31.79*	
		For Elevated Installation >35' To 40', Add	*39.74*	
		For Elevated Installation >40', Add	*43.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.84*	
26 05 33 13-0345	EA	3-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	148.58	37.55
		For Work In Restricted Working Space, Add	*28.01*	
		For Elevated Installation >10' To 15', Add	*9.34*	
		For Elevated Installation >15' To 20', Add	*18.67*	
		For Elevated Installation >20' To 25', Add	*23.34*	
		For Elevated Installation >25' To 30', Add	*32.68*	
		For Elevated Installation >30' To 35', Add	*37.34*	
		For Elevated Installation >35' To 40', Add	*46.68*	
		For Elevated Installation >40', Add	*51.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0346	EA	4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	177.75	43.31
		For Work In Restricted Working Space, Add	*32.48*	
		For Elevated Installation >10' To 15', Add	*10.83*	
		For Elevated Installation >15' To 20', Add	*21.66*	
		For Elevated Installation >20' To 25', Add	*27.07*	
		For Elevated Installation >25' To 30', Add	*37.90*	
		For Elevated Installation >30' To 35', Add	*43.31*	
		For Elevated Installation >35' To 40', Add	*54.14*	
		For Elevated Installation >40', Add	*59.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.48*	

26 05 33 13-0347 Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling *(26 05 33 13-0060)*

Note: Erickson fittings.

26 05 33 13-0348	EA	1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	48.89	18.42
		For Work In Restricted Working Space, Add	*13.84*	
		For Elevated Installation >10' To 15', Add	*4.61*	
		For Elevated Installation >15' To 20', Add	*9.22*	
		For Elevated Installation >20' To 25', Add	*11.53*	
		For Elevated Installation >25' To 30', Add	*16.14*	
		For Elevated Installation >30' To 35', Add	*18.45*	
		For Elevated Installation >35' To 40', Add	*23.06*	
		For Elevated Installation >40', Add	*25.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.84*	
26 05 33 13-0349	EA	3/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	55.03	20.62
		For Work In Restricted Working Space, Add	*15.44*	
		For Elevated Installation >10' To 15', Add	*5.15*	
		For Elevated Installation >15' To 20', Add	*10.30*	
		For Elevated Installation >20' To 25', Add	*12.87*	
		For Elevated Installation >25' To 30', Add	*18.02*	
		For Elevated Installation >30' To 35', Add	*20.59*	
		For Elevated Installation >35' To 40', Add	*25.74*	
		For Elevated Installation >40', Add	*28.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.44*	
26 05 33 13-0350	EA	1" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	63.89	22.92
		For Work In Restricted Working Space, Add	*17.20*	
		For Elevated Installation >10' To 15', Add	*5.73*	
		For Elevated Installation >15' To 20', Add	*11.47*	
		For Elevated Installation >20' To 25', Add	*14.34*	
		For Elevated Installation >25' To 30', Add	*20.07*	
		For Elevated Installation >30' To 35', Add	*22.94*	
		For Elevated Installation >35' To 40', Add	*28.67*	
		For Elevated Installation >40', Add	*31.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.20*	
26 05 33 13-0351	EA	1-1/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	76.73	25.11
		For Work In Restricted Working Space, Add	*18.83*	
		For Elevated Installation >10' To 15', Add	*6.28*	
		For Elevated Installation >15' To 20', Add	*12.55*	
		For Elevated Installation >20' To 25', Add	*15.69*	
		For Elevated Installation >25' To 30', Add	*21.96*	
		For Elevated Installation >30' To 35', Add	*25.10*	
		For Elevated Installation >35' To 40', Add	*31.38*	
		For Elevated Installation >40', Add	*34.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.83*	
26 05 33 13-0352	EA	1-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	85.41	27.42
		For Work In Restricted Working Space, Add	*20.60*	
		For Elevated Installation >10' To 15', Add	*6.87*	
		For Elevated Installation >15' To 20', Add	*13.73*	
		For Elevated Installation >20' To 25', Add	*17.17*	
		For Elevated Installation >25' To 30', Add	*24.03*	
		For Elevated Installation >30' To 35', Add	*27.46*	
		For Elevated Installation >35' To 40', Add	*34.33*	
		For Elevated Installation >40', Add	*37.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.60*	
26 05 33 13-0353	EA	2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	107.90	29.71
		For Work In Restricted Working Space, Add	*22.31*	
		For Elevated Installation >10' To 15', Add	*7.44*	
		For Elevated Installation >15' To 20', Add	*14.87*	
		For Elevated Installation >20' To 25', Add	*18.59*	
		For Elevated Installation >25' To 30', Add	*26.02*	
		For Elevated Installation >30' To 35', Add	*29.74*	
		For Elevated Installation >35' To 40', Add	*37.18*	
		For Elevated Installation >40', Add	*40.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.31*	
26 05 33 13-0354	EA	2-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	169.85	36.86
		For Work In Restricted Working Space, Add	*27.64*	
		For Elevated Installation >10' To 15', Add	*9.21*	
		For Elevated Installation >15' To 20', Add	*18.43*	
		For Elevated Installation >20' To 25', Add	*23.04*	
		For Elevated Installation >25' To 30', Add	*32.25*	
		For Elevated Installation >30' To 35', Add	*36.86*	
		For Elevated Installation >35' To 40', Add	*46.07*	
		For Elevated Installation >40', Add	*50.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0355	EA	3" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	233.13	46.07
		For Work In Restricted Working Space, Add	*34.55*	
		For Elevated Installation >10' To 15', Add	*11.52*	
		For Elevated Installation >15' To 20', Add	*23.04*	
		For Elevated Installation >20' To 25', Add	*28.80*	
		For Elevated Installation >25' To 30', Add	*40.31*	
		For Elevated Installation >30' To 35', Add	*46.07*	
		For Elevated Installation >35' To 40', Add	*57.59*	
		For Elevated Installation >40', Add	*63.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.55*	
26 05 33 13-0356	EA	3-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	334.73	55.29
		For Work In Restricted Working Space, Add	*41.48*	
		For Elevated Installation >10' To 15', Add	*13.83*	
		For Elevated Installation >15' To 20', Add	*27.65*	
		For Elevated Installation >20' To 25', Add	*34.57*	
		For Elevated Installation >25' To 30', Add	*48.39*	
		For Elevated Installation >30' To 35', Add	*55.31*	
		For Elevated Installation >35' To 40', Add	*69.14*	
		For Elevated Installation >40', Add	*76.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.48*	
26 05 33 13-0357	EA	4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	380.75	59.90
		For Work In Restricted Working Space, Add	*44.92*	
		For Elevated Installation >10' To 15', Add	*14.97*	
		For Elevated Installation >15' To 20', Add	*29.94*	
		For Elevated Installation >20' To 25', Add	*37.43*	
		For Elevated Installation >25' To 30', Add	*52.40*	
		For Elevated Installation >30' To 35', Add	*59.89*	
		For Elevated Installation >35' To 40', Add	*74.86*	
		For Elevated Installation >40', Add	*82.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.92*	
26 05 33 13-0358	EA	5" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	658.43	73.71
		For Work In Restricted Working Space, Add	*55.28*	
		For Elevated Installation >10' To 15', Add	*18.43*	
		For Elevated Installation >15' To 20', Add	*36.85*	
		For Elevated Installation >20' To 25', Add	*46.07*	
		For Elevated Installation >25' To 30', Add	*64.49*	
		For Elevated Installation >30' To 35', Add	*73.71*	
		For Elevated Installation >35' To 40', Add	*92.14*	
		For Elevated Installation >40', Add	*101.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.28*	
26 05 33 13-0359	EA	6" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	845.08	85.23
		For Work In Restricted Working Space, Add	*63.92*	
		For Elevated Installation >10' To 15', Add	*21.31*	
		For Elevated Installation >15' To 20', Add	*42.61*	
		For Elevated Installation >20' To 25', Add	*53.27*	
		For Elevated Installation >25' To 30', Add	*74.57*	
		For Elevated Installation >30' To 35', Add	*85.22*	
		For Elevated Installation >35' To 40', Add	*106.53*	
		For Elevated Installation >40', Add	*117.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*63.92*	

26 05 33 13-0360 Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connectors *(26 05 33 13-0060)*

26 05 33 13-0361	EA	1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	28.94	9.21
		For Work In Restricted Working Space, Add	*6.91*	
		For Elevated Installation >10' To 15', Add	*2.30*	
		For Elevated Installation >15' To 20', Add	*4.61*	
		For Elevated Installation >20' To 25', Add	*5.76*	
		For Elevated Installation >25' To 30', Add	*8.06*	
		For Elevated Installation >30' To 35', Add	*9.22*	
		For Elevated Installation >35' To 40', Add	*11.52*	
		For Elevated Installation >40', Add	*12.67*	
26 05 33 13-0362	EA	3/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	32.32	10.13
		For Work In Restricted Working Space, Add	*7.60*	
		For Elevated Installation >10' To 15', Add	*2.53*	
		For Elevated Installation >15' To 20', Add	*5.07*	
		For Elevated Installation >20' To 25', Add	*6.34*	
		For Elevated Installation >25' To 30', Add	*8.87*	
		For Elevated Installation >30' To 35', Add	*10.14*	
		For Elevated Installation >35' To 40', Add	*12.67*	
		For Elevated Installation >40', Add	*13.94*	
26 05 33 13-0363	EA	1" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	37.11	11.52
		For Work In Restricted Working Space, Add	*8.64*	
		For Elevated Installation >10' To 15', Add	*2.88*	
		For Elevated Installation >15' To 20', Add	*5.76*	
		For Elevated Installation >20' To 25', Add	*7.20*	
		For Elevated Installation >25' To 30', Add	*10.08*	
		For Elevated Installation >30' To 35', Add	*11.52*	
		For Elevated Installation >35' To 40', Add	*14.40*	
		For Elevated Installation >40', Add	*15.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0364	EA	1-1/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	42.07	12.44
		For Work In Restricted Working Space, Add	*9.33*	
		For Elevated Installation >10' To 15', Add	*3.11*	
		For Elevated Installation >15' To 20', Add	*6.22*	
		For Elevated Installation >20' To 25', Add	*7.78*	
		For Elevated Installation >25' To 30', Add	*10.89*	
		For Elevated Installation >30' To 35', Add	*12.44*	
		For Elevated Installation >35' To 40', Add	*15.55*	
		For Elevated Installation >40', Add	*17.11*	
26 05 33 13-0365	EA	1-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	49.84	13.82
		For Work In Restricted Working Space, Add	*10.37*	
		For Elevated Installation >10' To 15', Add	*3.46*	
		For Elevated Installation >15' To 20', Add	*6.91*	
		For Elevated Installation >20' To 25', Add	*8.64*	
		For Elevated Installation >25' To 30', Add	*12.09*	
		For Elevated Installation >30' To 35', Add	*13.82*	
		For Elevated Installation >35' To 40', Add	*17.28*	
		For Elevated Installation >40', Add	*19.00*	
26 05 33 13-0366	EA	2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	60.61	15.21
		For Work In Restricted Working Space, Add	*11.40*	
		For Elevated Installation >10' To 15', Add	*3.80*	
		For Elevated Installation >15' To 20', Add	*7.60*	
		For Elevated Installation >20' To 25', Add	*9.50*	
		For Elevated Installation >25' To 30', Add	*13.30*	
		For Elevated Installation >30' To 35', Add	*15.20*	
		For Elevated Installation >35' To 40', Add	*19.01*	
		For Elevated Installation >40', Add	*20.91*	
26 05 33 13-0367	EA	2-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	82.29	18.42
		For Work In Restricted Working Space, Add	*13.82*	
		For Elevated Installation >10' To 15', Add	*4.61*	
		For Elevated Installation >15' To 20', Add	*9.21*	
		For Elevated Installation >20' To 25', Add	*11.52*	
		For Elevated Installation >25' To 30', Add	*16.12*	
		For Elevated Installation >30' To 35', Add	*18.43*	
		For Elevated Installation >35' To 40', Add	*23.04*	
		For Elevated Installation >40', Add	*25.34*	
26 05 33 13-0368	EA	3" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	101.78	23.04
		For Work In Restricted Working Space, Add	*17.28*	
		For Elevated Installation >10' To 15', Add	*5.76*	
		For Elevated Installation >15' To 20', Add	*11.52*	
		For Elevated Installation >20' To 25', Add	*14.40*	
		For Elevated Installation >25' To 30', Add	*20.16*	
		For Elevated Installation >30' To 35', Add	*23.04*	
		For Elevated Installation >35' To 40', Add	*28.80*	
		For Elevated Installation >40', Add	*31.67*	
26 05 33 13-0369	EA	3-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	122.28	27.65
		For Work In Restricted Working Space, Add	*20.73*	
		For Elevated Installation >10' To 15', Add	*6.91*	
		For Elevated Installation >15' To 20', Add	*13.82*	
		For Elevated Installation >20' To 25', Add	*17.28*	
		For Elevated Installation >25' To 30', Add	*24.19*	
		For Elevated Installation >30' To 35', Add	*27.64*	
		For Elevated Installation >35' To 40', Add	*34.56*	
		For Elevated Installation >40', Add	*38.01*	
26 05 33 13-0370	EA	4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	138.00	29.94
		For Work In Restricted Working Space, Add	*22.46*	
		For Elevated Installation >10' To 15', Add	*7.49*	
		For Elevated Installation >15' To 20', Add	*14.97*	
		For Elevated Installation >20' To 25', Add	*18.72*	
		For Elevated Installation >25' To 30', Add	*26.20*	
		For Elevated Installation >30' To 35', Add	*29.95*	
		For Elevated Installation >35' To 40', Add	*37.44*	
		For Elevated Installation >40', Add	*41.18*	

26 05 33 13-0371 Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs *(26 05 33 13-0060)*

26 05 33 13-0372	EA	1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	25.61	10.37
		For Work In Restricted Working Space, Add	*6.22*	
		For Elevated Installation >10' To 15', Add	*2.07*	
		For Elevated Installation >15' To 20', Add	*4.15*	
		For Elevated Installation >20' To 25', Add	*5.18*	
		For Elevated Installation >25' To 30', Add	*7.26*	
		For Elevated Installation >30' To 35', Add	*8.29*	
		For Elevated Installation >35' To 40', Add	*10.37*	
		For Elevated Installation >40', Add	*11.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.22*	
26 05 33 13-0373	EA	3/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	28.55	11.52
		For Work In Restricted Working Space, Add	*6.91*	
		For Elevated Installation >10' To 15', Add	*2.30*	
		For Elevated Installation >15' To 20', Add	*4.61*	
		For Elevated Installation >20' To 25', Add	*5.76*	
		For Elevated Installation >25' To 30', Add	*8.06*	
		For Elevated Installation >30' To 35', Add	*9.22*	
		For Elevated Installation >35' To 40', Add	*11.52*	
		For Elevated Installation >40', Add	*12.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0374	EA	1" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	35.25	14.40
		For Work In Restricted Working Space, Add	*8.64*	
		For Elevated Installation >10' To 15', Add	*2.88*	
		For Elevated Installation >15' To 20', Add	*5.76*	
		For Elevated Installation >20' To 25', Add	*7.20*	
		For Elevated Installation >25' To 30', Add	*10.08*	
		For Elevated Installation >30' To 35', Add	*11.52*	
		For Elevated Installation >35' To 40', Add	*14.40*	
		For Elevated Installation >40', Add	*15.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.64*	
26 05 33 13-0375	EA	1-1/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	43.33	17.27
		For Work In Restricted Working Space, Add	*10.37*	
		For Elevated Installation >10' To 15', Add	*3.46*	
		For Elevated Installation >15' To 20', Add	*6.91*	
		For Elevated Installation >20' To 25', Add	*8.64*	
		For Elevated Installation >25' To 30', Add	*12.09*	
		For Elevated Installation >30' To 35', Add	*13.82*	
		For Elevated Installation >35' To 40', Add	*17.28*	
		For Elevated Installation >40', Add	*19.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.37*	
26 05 33 13-0376	EA	1-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	55.72	23.04
		For Work In Restricted Working Space, Add	*13.82*	
		For Elevated Installation >10' To 15', Add	*4.61*	
		For Elevated Installation >15' To 20', Add	*9.21*	
		For Elevated Installation >20' To 25', Add	*11.52*	
		For Elevated Installation >25' To 30', Add	*16.12*	
		For Elevated Installation >30' To 35', Add	*18.43*	
		For Elevated Installation >35' To 40', Add	*23.04*	
		For Elevated Installation >40', Add	*25.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.82*	
26 05 33 13-0377	EA	2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	64.72	25.91
		For Work In Restricted Working Space, Add	*15.55*	
		For Elevated Installation >10' To 15', Add	*5.18*	
		For Elevated Installation >15' To 20', Add	*10.37*	
		For Elevated Installation >20' To 25', Add	*12.96*	
		For Elevated Installation >25' To 30', Add	*18.14*	
		For Elevated Installation >30' To 35', Add	*20.73*	
		For Elevated Installation >35' To 40', Add	*25.92*	
		For Elevated Installation >40', Add	*28.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.55*	
26 05 33 13-0378	EA	2-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	79.48	28.79
		For Work In Restricted Working Space, Add	*17.28*	
		For Elevated Installation >10' To 15', Add	*5.76*	
		For Elevated Installation >15' To 20', Add	*11.52*	
		For Elevated Installation >20' To 25', Add	*14.40*	
		For Elevated Installation >25' To 30', Add	*20.16*	
		For Elevated Installation >30' To 35', Add	*23.04*	
		For Elevated Installation >35' To 40', Add	*28.80*	
		For Elevated Installation >40', Add	*31.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.28*	
26 05 33 13-0379	EA	3" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	106.89	36.28
		For Work In Restricted Working Space, Add	*21.77*	
		For Elevated Installation >10' To 15', Add	*7.26*	
		For Elevated Installation >15' To 20', Add	*14.51*	
		For Elevated Installation >20' To 25', Add	*18.14*	
		For Elevated Installation >25' To 30', Add	*25.40*	
		For Elevated Installation >30' To 35', Add	*29.03*	
		For Elevated Installation >35' To 40', Add	*36.29*	
		For Elevated Installation >40', Add	*39.91*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.77*	
26 05 33 13-0380	EA	3-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	126.93	43.77
		For Work In Restricted Working Space, Add	*26.26*	
		For Elevated Installation >10' To 15', Add	*8.75*	
		For Elevated Installation >15' To 20', Add	*17.51*	
		For Elevated Installation >20' To 25', Add	*21.88*	
		For Elevated Installation >25' To 30', Add	*30.64*	
		For Elevated Installation >30' To 35', Add	*35.01*	
		For Elevated Installation >35' To 40', Add	*43.77*	
		For Elevated Installation >40', Add	*48.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.26*	
26 05 33 13-0381	EA	4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	155.61	51.83
		For Work In Restricted Working Space, Add	*31.10*	
		For Elevated Installation >10' To 15', Add	*10.37*	
		For Elevated Installation >15' To 20', Add	*20.73*	
		For Elevated Installation >20' To 25', Add	*25.92*	
		For Elevated Installation >25' To 30', Add	*36.28*	
		For Elevated Installation >30' To 35', Add	*41.46*	
		For Elevated Installation >35' To 40', Add	*51.83*	
		For Elevated Installation >40', Add	*57.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.10*	

26 05 33 13-0382 Rigid Galvanized Steel (RGS) Expansion Fittings, 4" Conduit Movement *(26 05 33 13-0060)*
Note: Type AX

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0383	EA	1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	121.95	18.42
		For Work In Restricted Working Space, Add	*13.82*	
		For Elevated Installation >10' To 15', Add	*4.61*	
		For Elevated Installation >15' To 20', Add	*9.22*	
		For Elevated Installation >20' To 25', Add	*11.52*	
		For Elevated Installation >25' To 30', Add	*16.13*	
		For Elevated Installation >30' To 35', Add	*18.43*	
		For Elevated Installation >35' To 40', Add	*23.04*	
		For Elevated Installation >40', Add	*25.34*	
26 05 33 13-0384	EA	3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	138.44	20.73
		For Work In Restricted Working Space, Add	*15.55*	
		For Elevated Installation >10' To 15', Add	*5.18*	
		For Elevated Installation >15' To 20', Add	*10.37*	
		For Elevated Installation >20' To 25', Add	*12.96*	
		For Elevated Installation >25' To 30', Add	*18.14*	
		For Elevated Installation >30' To 35', Add	*20.73*	
		For Elevated Installation >35' To 40', Add	*25.92*	
		For Elevated Installation >40', Add	*28.51*	
26 05 33 13-0385	EA	1" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	164.15	23.04
		For Work In Restricted Working Space, Add	*17.28*	
		For Elevated Installation >10' To 15', Add	*5.76*	
		For Elevated Installation >15' To 20', Add	*11.52*	
		For Elevated Installation >20' To 25', Add	*14.40*	
		For Elevated Installation >25' To 30', Add	*20.16*	
		For Elevated Installation >30' To 35', Add	*23.04*	
		For Elevated Installation >35' To 40', Add	*28.80*	
		For Elevated Installation >40', Add	*31.68*	
26 05 33 13-0386	EA	1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	201.36	25.34
		For Work In Restricted Working Space, Add	*19.01*	
		For Elevated Installation >10' To 15', Add	*6.34*	
		For Elevated Installation >15' To 20', Add	*12.67*	
		For Elevated Installation >20' To 25', Add	*15.84*	
		For Elevated Installation >25' To 30', Add	*22.17*	
		For Elevated Installation >30' To 35', Add	*25.34*	
		For Elevated Installation >35' To 40', Add	*31.68*	
		For Elevated Installation >40', Add	*34.84*	
26 05 33 13-0387	EA	1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	253.55	27.65
		For Work In Restricted Working Space, Add	*20.73*	
		For Elevated Installation >10' To 15', Add	*6.91*	
		For Elevated Installation >15' To 20', Add	*13.82*	
		For Elevated Installation >20' To 25', Add	*17.28*	
		For Elevated Installation >25' To 30', Add	*24.19*	
		For Elevated Installation >30' To 35', Add	*27.64*	
		For Elevated Installation >35' To 40', Add	*34.56*	
		For Elevated Installation >40', Add	*38.01*	
26 05 33 13-0388	EA	2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	351.51	29.94
		For Work In Restricted Working Space, Add	*22.46*	
		For Elevated Installation >10' To 15', Add	*7.49*	
		For Elevated Installation >15' To 20', Add	*14.97*	
		For Elevated Installation >20' To 25', Add	*18.72*	
		For Elevated Installation >25' To 30', Add	*26.20*	
		For Elevated Installation >30' To 35', Add	*29.94*	
		For Elevated Installation >35' To 40', Add	*37.43*	
		For Elevated Installation >40', Add	*41.17*	
26 05 33 13-0389	EA	2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	539.36	36.86
		For Work In Restricted Working Space, Add	*27.64*	
		For Elevated Installation >10' To 15', Add	*9.21*	
		For Elevated Installation >15' To 20', Add	*18.43*	
		For Elevated Installation >20' To 25', Add	*23.04*	
		For Elevated Installation >25' To 30', Add	*32.25*	
		For Elevated Installation >30' To 35', Add	*36.86*	
		For Elevated Installation >35' To 40', Add	*46.07*	
		For Elevated Installation >40', Add	*50.68*	
26 05 33 13-0390	EA	3" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	691.18	46.07
		For Work In Restricted Working Space, Add	*34.55*	
		For Elevated Installation >10' To 15', Add	*11.52*	
		For Elevated Installation >15' To 20', Add	*23.04*	
		For Elevated Installation >20' To 25', Add	*28.80*	
		For Elevated Installation >25' To 30', Add	*40.31*	
		For Elevated Installation >30' To 35', Add	*46.07*	
		For Elevated Installation >35' To 40', Add	*57.59*	
		For Elevated Installation >40', Add	*63.35*	
26 05 33 13-0391	EA	3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	1,010.49	55.29
		For Work In Restricted Working Space, Add	*41.47*	
		For Elevated Installation >10' To 15', Add	*13.82*	
		For Elevated Installation >15' To 20', Add	*27.65*	
		For Elevated Installation >20' To 25', Add	*34.56*	
		For Elevated Installation >25' To 30', Add	*48.38*	
		For Elevated Installation >30' To 35', Add	*55.29*	
		For Elevated Installation >35' To 40', Add	*69.12*	
		For Elevated Installation >40', Add	*76.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0392	EA	4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	1,077.05	59.90
		For Work In Restricted Working Space, Add	*44.92*	
		For Elevated Installation >10' To 15', Add	*14.97*	
		For Elevated Installation >15' To 20', Add	*29.94*	
		For Elevated Installation >20' To 25', Add	*37.43*	
		For Elevated Installation >25' To 30', Add	*52.40*	
		For Elevated Installation >30' To 35', Add	*59.89*	
		For Elevated Installation >35' To 40', Add	*74.86*	
		For Elevated Installation >40', Add	*82.35*	
26 05 33 13-0393	EA	5" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	1,651.93	73.71
		For Work In Restricted Working Space, Add	*55.29*	
		For Elevated Installation >10' To 15', Add	*18.43*	
		For Elevated Installation >15' To 20', Add	*36.86*	
		For Elevated Installation >20' To 25', Add	*46.07*	
		For Elevated Installation >25' To 30', Add	*64.50*	
		For Elevated Installation >30' To 35', Add	*73.72*	
		For Elevated Installation >35' To 40', Add	*92.15*	
		For Elevated Installation >40', Add	*101.36*	
26 05 33 13-0394	EA	6" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	2,030.34	81.78
		For Work In Restricted Working Space, Add	*61.37*	
		For Elevated Installation >10' To 15', Add	*20.46*	
		For Elevated Installation >15' To 20', Add	*40.91*	
		For Elevated Installation >20' To 25', Add	*51.14*	
		For Elevated Installation >25' To 30', Add	*71.60*	
		For Elevated Installation >30' To 35', Add	*81.82*	
		For Elevated Installation >35' To 40', Add	*102.28*	
		For Elevated Installation >40', Add	*112.51*	

26 05 33 13-0395 Rigid Galvanized Steel (RGS) Expansion Fittings, 8" Conduit Movement *(26 05 33 13-0060)*

Note: Type AX-8

26 05 33 13-0396	EA	1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	134.63	18.42
		For Work In Restricted Working Space, Add	*13.82*	
		For Elevated Installation >10' To 15', Add	*4.61*	
		For Elevated Installation >15' To 20', Add	*9.22*	
		For Elevated Installation >20' To 25', Add	*11.52*	
		For Elevated Installation >25' To 30', Add	*16.13*	
		For Elevated Installation >30' To 35', Add	*18.43*	
		For Elevated Installation >35' To 40', Add	*23.04*	
		For Elevated Installation >40', Add	*25.34*	
26 05 33 13-0397	EA	3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	149.67	20.73
		For Work In Restricted Working Space, Add	*15.55*	
		For Elevated Installation >10' To 15', Add	*5.18*	
		For Elevated Installation >15' To 20', Add	*10.37*	
		For Elevated Installation >20' To 25', Add	*12.96*	
		For Elevated Installation >25' To 30', Add	*18.14*	
		For Elevated Installation >30' To 35', Add	*20.73*	
		For Elevated Installation >35' To 40', Add	*25.92*	
		For Elevated Installation >40', Add	*28.51*	
26 05 33 13-0398	EA	1" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	181.78	23.04
		For Work In Restricted Working Space, Add	*17.28*	
		For Elevated Installation >10' To 15', Add	*5.76*	
		For Elevated Installation >15' To 20', Add	*11.52*	
		For Elevated Installation >20' To 25', Add	*14.40*	
		For Elevated Installation >25' To 30', Add	*20.16*	
		For Elevated Installation >30' To 35', Add	*23.04*	
		For Elevated Installation >35' To 40', Add	*28.80*	
		For Elevated Installation >40', Add	*31.68*	
26 05 33 13-0399	EA	1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	229.13	25.34
		For Work In Restricted Working Space, Add	*19.01*	
		For Elevated Installation >10' To 15', Add	*6.34*	
		For Elevated Installation >15' To 20', Add	*12.67*	
		For Elevated Installation >20' To 25', Add	*15.84*	
		For Elevated Installation >25' To 30', Add	*22.17*	
		For Elevated Installation >30' To 35', Add	*25.34*	
		For Elevated Installation >35' To 40', Add	*31.68*	
		For Elevated Installation >40', Add	*34.84*	
26 05 33 13-0400	EA	1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	308.73	27.65
		For Work In Restricted Working Space, Add	*20.73*	
		For Elevated Installation >10' To 15', Add	*6.91*	
		For Elevated Installation >15' To 20', Add	*13.82*	
		For Elevated Installation >20' To 25', Add	*17.28*	
		For Elevated Installation >25' To 30', Add	*24.19*	
		For Elevated Installation >30' To 35', Add	*27.64*	
		For Elevated Installation >35' To 40', Add	*34.56*	
		For Elevated Installation >40', Add	*38.01*	
26 05 33 13-0401	EA	2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	377.88	29.94
		For Work In Restricted Working Space, Add	*22.46*	
		For Elevated Installation >10' To 15', Add	*7.49*	
		For Elevated Installation >15' To 20', Add	*14.97*	
		For Elevated Installation >20' To 25', Add	*18.72*	
		For Elevated Installation >25' To 30', Add	*26.20*	
		For Elevated Installation >30' To 35', Add	*29.94*	
		For Elevated Installation >35' To 40', Add	*37.43*	
		For Elevated Installation >40', Add	*41.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0402	EA	2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	710.29	36.86
		For Work In Restricted Working Space, Add	*27.64*	
		For Elevated Installation >10' To 15', Add	*9.21*	
		For Elevated Installation >15' To 20', Add	*18.43*	
		For Elevated Installation >20' To 25', Add	*23.04*	
		For Elevated Installation >25' To 30', Add	*32.25*	
		For Elevated Installation >30' To 35', Add	*36.86*	
		For Elevated Installation >35' To 40', Add	*46.07*	
		For Elevated Installation >40', Add	*50.68*	
26 05 33 13-0403	EA	3" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	807.90	46.07
		For Work In Restricted Working Space, Add	*34.55*	
		For Elevated Installation >10' To 15', Add	*11.52*	
		For Elevated Installation >15' To 20', Add	*23.04*	
		For Elevated Installation >20' To 25', Add	*28.80*	
		For Elevated Installation >25' To 30', Add	*40.31*	
		For Elevated Installation >30' To 35', Add	*46.07*	
		For Elevated Installation >35' To 40', Add	*57.59*	
		For Elevated Installation >40', Add	*63.35*	
26 05 33 13-0404	EA	3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	1,241.15	55.29
		For Work In Restricted Working Space, Add	*41.47*	
		For Elevated Installation >10' To 15', Add	*13.82*	
		For Elevated Installation >15' To 20', Add	*27.65*	
		For Elevated Installation >20' To 25', Add	*34.56*	
		For Elevated Installation >25' To 30', Add	*48.38*	
		For Elevated Installation >30' To 35', Add	*55.29*	
		For Elevated Installation >35' To 40', Add	*69.12*	
		For Elevated Installation >40', Add	*76.03*	
26 05 33 13-0405	EA	4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	1,343.65	59.90
		For Work In Restricted Working Space, Add	*44.92*	
		For Elevated Installation >10' To 15', Add	*14.97*	
		For Elevated Installation >15' To 20', Add	*29.94*	
		For Elevated Installation >20' To 25', Add	*37.43*	
		For Elevated Installation >25' To 30', Add	*52.40*	
		For Elevated Installation >30' To 35', Add	*59.89*	
		For Elevated Installation >35' To 40', Add	*74.86*	
		For Elevated Installation >40', Add	*82.35*	
26 05 33 13-0406	EA	5" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	1,876.66	73.71
		For Work In Restricted Working Space, Add	*55.29*	
		For Elevated Installation >10' To 15', Add	*18.43*	
		For Elevated Installation >15' To 20', Add	*36.86*	
		For Elevated Installation >20' To 25', Add	*46.07*	
		For Elevated Installation >25' To 30', Add	*64.50*	
		For Elevated Installation >30' To 35', Add	*73.72*	
		For Elevated Installation >35' To 40', Add	*92.15*	
		For Elevated Installation >40', Add	*101.36*	
26 05 33 13-0407	EA	6" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	2,319.47	81.78
		For Work In Restricted Working Space, Add	*61.37*	
		For Elevated Installation >10' To 15', Add	*20.46*	
		For Elevated Installation >15' To 20', Add	*40.91*	
		For Elevated Installation >20' To 25', Add	*51.14*	
		For Elevated Installation >25' To 30', Add	*71.60*	
		For Elevated Installation >30' To 35', Add	*81.82*	
		For Elevated Installation >35' To 40', Add	*102.28*	
		For Elevated Installation >40', Add	*112.51*	

26 05 33 13-0408 Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fittings, 8" Conduit Movement *(26 05 33 13-0060)*

Note: Type EX

26 05 33 13-0409	EA	1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	153.19	18.42
		For Work In Restricted Working Space, Add	*13.82*	
		For Elevated Installation >10' To 15', Add	*4.61*	
		For Elevated Installation >15' To 20', Add	*9.22*	
		For Elevated Installation >20' To 25', Add	*11.52*	
		For Elevated Installation >25' To 30', Add	*16.13*	
		For Elevated Installation >30' To 35', Add	*18.43*	
		For Elevated Installation >35' To 40', Add	*23.04*	
		For Elevated Installation >40', Add	*25.34*	
26 05 33 13-0410	EA	3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	193.44	20.73
		For Work In Restricted Working Space, Add	*15.55*	
		For Elevated Installation >10' To 15', Add	*5.18*	
		For Elevated Installation >15' To 20', Add	*10.37*	
		For Elevated Installation >20' To 25', Add	*12.96*	
		For Elevated Installation >25' To 30', Add	*18.14*	
		For Elevated Installation >30' To 35', Add	*20.73*	
		For Elevated Installation >35' To 40', Add	*25.92*	
		For Elevated Installation >40', Add	*28.51*	
26 05 33 13-0411	EA	1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	240.90	23.04
		For Work In Restricted Working Space, Add	*17.28*	
		For Elevated Installation >10' To 15', Add	*5.76*	
		For Elevated Installation >15' To 20', Add	*11.52*	
		For Elevated Installation >20' To 25', Add	*14.40*	
		For Elevated Installation >25' To 30', Add	*20.16*	
		For Elevated Installation >30' To 35', Add	*23.04*	
		For Elevated Installation >35' To 40', Add	*28.80*	
		For Elevated Installation >40', Add	*31.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0412	EA	1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	293.15	25.34
		For Work In Restricted Working Space, Add	*19.01*	
		For Elevated Installation >10' To 15', Add	*6.34*	
		For Elevated Installation >15' To 20', Add	*12.67*	
		For Elevated Installation >20' To 25', Add	*15.84*	
		For Elevated Installation >25' To 30', Add	*22.17*	
		For Elevated Installation >30' To 35', Add	*25.34*	
		For Elevated Installation >35' To 40', Add	*31.68*	
		For Elevated Installation >40', Add	*34.84*	
26 05 33 13-0413	EA	1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	395.41	27.65
		For Work In Restricted Working Space, Add	*20.73*	
		For Elevated Installation >10' To 15', Add	*6.91*	
		For Elevated Installation >15' To 20', Add	*13.82*	
		For Elevated Installation >20' To 25', Add	*17.28*	
		For Elevated Installation >25' To 30', Add	*24.19*	
		For Elevated Installation >30' To 35', Add	*27.64*	
		For Elevated Installation >35' To 40', Add	*34.56*	
		For Elevated Installation >40', Add	*38.01*	
26 05 33 13-0414	EA	2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	545.39	29.94
		For Work In Restricted Working Space, Add	*22.46*	
		For Elevated Installation >10' To 15', Add	*7.49*	
		For Elevated Installation >15' To 20', Add	*14.97*	
		For Elevated Installation >20' To 25', Add	*18.72*	
		For Elevated Installation >25' To 30', Add	*26.20*	
		For Elevated Installation >30' To 35', Add	*29.94*	
		For Elevated Installation >35' To 40', Add	*37.43*	
		For Elevated Installation >40', Add	*41.17*	
26 05 33 13-0415	EA	2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	848.20	36.86
		For Work In Restricted Working Space, Add	*27.64*	
		For Elevated Installation >10' To 15', Add	*9.21*	
		For Elevated Installation >15' To 20', Add	*18.43*	
		For Elevated Installation >20' To 25', Add	*23.04*	
		For Elevated Installation >25' To 30', Add	*32.25*	
		For Elevated Installation >30' To 35', Add	*36.86*	
		For Elevated Installation >35' To 40', Add	*46.07*	
		For Elevated Installation >40', Add	*50.68*	
26 05 33 13-0416	EA	3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	1,143.69	46.07
		For Work In Restricted Working Space, Add	*34.55*	
		For Elevated Installation >10' To 15', Add	*11.52*	
		For Elevated Installation >15' To 20', Add	*23.04*	
		For Elevated Installation >20' To 25', Add	*28.80*	
		For Elevated Installation >25' To 30', Add	*40.31*	
		For Elevated Installation >30' To 35', Add	*46.07*	
		For Elevated Installation >35' To 40', Add	*57.59*	
		For Elevated Installation >40', Add	*63.35*	
26 05 33 13-0417	EA	3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	1,718.75	55.29
		For Work In Restricted Working Space, Add	*41.47*	
		For Elevated Installation >10' To 15', Add	*13.82*	
		For Elevated Installation >15' To 20', Add	*27.65*	
		For Elevated Installation >20' To 25', Add	*34.56*	
		For Elevated Installation >25' To 30', Add	*48.38*	
		For Elevated Installation >30' To 35', Add	*55.29*	
		For Elevated Installation >35' To 40', Add	*69.12*	
		For Elevated Installation >40', Add	*76.03*	
26 05 33 13-0418	EA	4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	1,778.68	59.90
		For Work In Restricted Working Space, Add	*44.92*	
		For Elevated Installation >10' To 15', Add	*14.97*	
		For Elevated Installation >15' To 20', Add	*29.94*	
		For Elevated Installation >20' To 25', Add	*37.43*	
		For Elevated Installation >25' To 30', Add	*52.40*	
		For Elevated Installation >30' To 35', Add	*59.89*	
		For Elevated Installation >35' To 40', Add	*74.86*	
		For Elevated Installation >40', Add	*82.35*	
26 05 33 13-0419	EA	5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	2,678.56	73.71
		For Work In Restricted Working Space, Add	*55.29*	
		For Elevated Installation >10' To 15', Add	*18.43*	
		For Elevated Installation >15' To 20', Add	*36.86*	
		For Elevated Installation >20' To 25', Add	*46.07*	
		For Elevated Installation >25' To 30', Add	*64.50*	
		For Elevated Installation >30' To 35', Add	*73.72*	
		For Elevated Installation >35' To 40', Add	*92.15*	
		For Elevated Installation >40', Add	*101.36*	
26 05 33 13-0420	EA	6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	3,321.59	81.78
		For Work In Restricted Working Space, Add	*61.37*	
		For Elevated Installation >10' To 15', Add	*20.46*	
		For Elevated Installation >15' To 20', Add	*40.91*	
		For Elevated Installation >20' To 25', Add	*51.14*	
		For Elevated Installation >25' To 30', Add	*71.60*	
		For Elevated Installation >30' To 35', Add	*81.82*	
		For Elevated Installation >35' To 40', Add	*102.28*	
		For Elevated Installation >40', Add	*112.51*	

26 05 33 13-0421 Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fittings *(26 05 33 13-0060)*
Note: Type DX

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0422	EA	1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	267.66	18.42
		For Work In Restricted Working Space, Add	*13.82*	
		For Elevated Installation >10' To 15', Add	*4.61*	
		For Elevated Installation >15' To 20', Add	*9.22*	
		For Elevated Installation >20' To 25', Add	*11.52*	
		For Elevated Installation >25' To 30', Add	*16.13*	
		For Elevated Installation >30' To 35', Add	*18.43*	
		For Elevated Installation >35' To 40', Add	*23.04*	
		For Elevated Installation >40', Add	*25.34*	
26 05 33 13-0423	EA	3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	318.97	20.73
		For Work In Restricted Working Space, Add	*15.55*	
		For Elevated Installation >10' To 15', Add	*5.18*	
		For Elevated Installation >15' To 20', Add	*10.37*	
		For Elevated Installation >20' To 25', Add	*12.96*	
		For Elevated Installation >25' To 30', Add	*18.14*	
		For Elevated Installation >30' To 35', Add	*20.73*	
		For Elevated Installation >35' To 40', Add	*25.92*	
		For Elevated Installation >40', Add	*28.51*	
26 05 33 13-0424	EA	1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	385.77	23.04
		For Work In Restricted Working Space, Add	*17.28*	
		For Elevated Installation >10' To 15', Add	*5.76*	
		For Elevated Installation >15' To 20', Add	*11.52*	
		For Elevated Installation >20' To 25', Add	*14.40*	
		For Elevated Installation >25' To 30', Add	*20.16*	
		For Elevated Installation >30' To 35', Add	*23.04*	
		For Elevated Installation >35' To 40', Add	*28.80*	
		For Elevated Installation >40', Add	*31.68*	
26 05 33 13-0425	EA	1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	453.66	25.34
		For Work In Restricted Working Space, Add	*19.01*	
		For Elevated Installation >10' To 15', Add	*6.34*	
		For Elevated Installation >15' To 20', Add	*12.67*	
		For Elevated Installation >20' To 25', Add	*15.84*	
		For Elevated Installation >25' To 30', Add	*22.17*	
		For Elevated Installation >30' To 35', Add	*25.34*	
		For Elevated Installation >35' To 40', Add	*31.68*	
		For Elevated Installation >40', Add	*34.84*	
26 05 33 13-0426	EA	1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	501.72	27.65
		For Work In Restricted Working Space, Add	*20.73*	
		For Elevated Installation >10' To 15', Add	*6.91*	
		For Elevated Installation >15' To 20', Add	*13.82*	
		For Elevated Installation >20' To 25', Add	*17.28*	
		For Elevated Installation >25' To 30', Add	*24.19*	
		For Elevated Installation >30' To 35', Add	*27.64*	
		For Elevated Installation >35' To 40', Add	*34.56*	
		For Elevated Installation >40', Add	*38.01*	
26 05 33 13-0427	EA	2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	620.46	29.94
		For Work In Restricted Working Space, Add	*22.46*	
		For Elevated Installation >10' To 15', Add	*7.49*	
		For Elevated Installation >15' To 20', Add	*14.97*	
		For Elevated Installation >20' To 25', Add	*18.72*	
		For Elevated Installation >25' To 30', Add	*26.20*	
		For Elevated Installation >30' To 35', Add	*29.94*	
		For Elevated Installation >35' To 40', Add	*37.43*	
		For Elevated Installation >40', Add	*41.17*	
26 05 33 13-0428	EA	2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	820.33	36.86
		For Work In Restricted Working Space, Add	*27.64*	
		For Elevated Installation >10' To 15', Add	*9.21*	
		For Elevated Installation >15' To 20', Add	*18.43*	
		For Elevated Installation >20' To 25', Add	*23.04*	
		For Elevated Installation >25' To 30', Add	*32.25*	
		For Elevated Installation >30' To 35', Add	*36.86*	
		For Elevated Installation >35' To 40', Add	*46.07*	
		For Elevated Installation >40', Add	*50.68*	
26 05 33 13-0429	EA	3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	1,040.41	46.07
		For Work In Restricted Working Space, Add	*34.55*	
		For Elevated Installation >10' To 15', Add	*11.52*	
		For Elevated Installation >15' To 20', Add	*23.04*	
		For Elevated Installation >20' To 25', Add	*28.80*	
		For Elevated Installation >25' To 30', Add	*40.31*	
		For Elevated Installation >30' To 35', Add	*46.07*	
		For Elevated Installation >35' To 40', Add	*57.59*	
		For Elevated Installation >40', Add	*63.35*	
26 05 33 13-0430	EA	3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	1,170.34	55.29
		For Work In Restricted Working Space, Add	*41.47*	
		For Elevated Installation >10' To 15', Add	*13.82*	
		For Elevated Installation >15' To 20', Add	*27.65*	
		For Elevated Installation >20' To 25', Add	*34.56*	
		For Elevated Installation >25' To 30', Add	*48.38*	
		For Elevated Installation >30' To 35', Add	*55.29*	
		For Elevated Installation >35' To 40', Add	*69.12*	
		For Elevated Installation >40', Add	*76.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0431	EA	4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	1,419.84	59.90
		For Work In Restricted Working Space, Add	*44.92*	
		For Elevated Installation >10' To 15', Add	*14.97*	
		For Elevated Installation >15' To 20', Add	*29.94*	
		For Elevated Installation >20' To 25', Add	*37.43*	
		For Elevated Installation >25' To 30', Add	*52.40*	
		For Elevated Installation >30' To 35', Add	*59.89*	
		For Elevated Installation >35' To 40', Add	*74.86*	
		For Elevated Installation >40', Add	*82.35*	
26 05 33 13-0432	EA	5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	2,431.11	73.71
		For Work In Restricted Working Space, Add	*55.29*	
		For Elevated Installation >10' To 15', Add	*18.43*	
		For Elevated Installation >15' To 20', Add	*36.86*	
		For Elevated Installation >20' To 25', Add	*46.07*	
		For Elevated Installation >25' To 30', Add	*64.50*	
		For Elevated Installation >30' To 35', Add	*73.72*	
		For Elevated Installation >35' To 40', Add	*92.15*	
		For Elevated Installation >40', Add	*101.36*	
26 05 33 13-0433	EA	6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	3,868.81	81.78
		For Work In Restricted Working Space, Add	*61.37*	
		For Elevated Installation >10' To 15', Add	*20.46*	
		For Elevated Installation >15' To 20', Add	*40.91*	
		For Elevated Installation >20' To 25', Add	*51.14*	
		For Elevated Installation >25' To 30', Add	*71.60*	
		For Elevated Installation >30' To 35', Add	*81.82*	
		For Elevated Installation >35' To 40', Add	*102.28*	
		For Elevated Installation >40', Add	*112.51*	

26 05 33 13-0434 Rigid Galvanized Steel (RGS) Conduit Bonding Jumpers *(26 05 33 13-0060)*

26 05 33 13-0435	EA	1/2" To 3/4" Conduit, 14" Bonding Jumper	68.72	9.21
		For Work In Restricted Working Space, Add	*6.91*	
		For Elevated Installation >10' To 15', Add	*2.30*	
		For Elevated Installation >15' To 20', Add	*4.61*	
		For Elevated Installation >20' To 25', Add	*5.76*	
		For Elevated Installation >25' To 30', Add	*8.06*	
		For Elevated Installation >30' To 35', Add	*9.22*	
		For Elevated Installation >35' To 40', Add	*11.52*	
		For Elevated Installation >40', Add	*12.67*	
26 05 33 13-0436	EA	1" To 1-1/4" Conduit, 14" Bonding Jumper	79.10	11.52
		For Work In Restricted Working Space, Add	*8.64*	
		For Elevated Installation >10' To 15', Add	*2.88*	
		For Elevated Installation >15' To 20', Add	*5.76*	
		For Elevated Installation >20' To 25', Add	*7.20*	
		For Elevated Installation >25' To 30', Add	*10.08*	
		For Elevated Installation >30' To 35', Add	*11.52*	
		For Elevated Installation >35' To 40', Add	*14.40*	
		For Elevated Installation >40', Add	*15.84*	
26 05 33 13-0437	EA	1-1/2" To 2" Conduit, 14" Bonding Jumper	97.54	13.82
		For Work In Restricted Working Space, Add	*10.37*	
		For Elevated Installation >10' To 15', Add	*3.46*	
		For Elevated Installation >15' To 20', Add	*6.91*	
		For Elevated Installation >20' To 25', Add	*8.64*	
		For Elevated Installation >25' To 30', Add	*12.09*	
		For Elevated Installation >30' To 35', Add	*13.82*	
		For Elevated Installation >35' To 40', Add	*17.28*	
		For Elevated Installation >40', Add	*19.00*	
26 05 33 13-0438	EA	2-1/2" To 3" Conduit, 14" Bonding Jumper	137.10	18.42
		For Work In Restricted Working Space, Add	*13.82*	
		For Elevated Installation >10' To 15', Add	*4.61*	
		For Elevated Installation >15' To 20', Add	*9.21*	
		For Elevated Installation >20' To 25', Add	*11.52*	
		For Elevated Installation >25' To 30', Add	*16.12*	
		For Elevated Installation >30' To 35', Add	*18.43*	
		For Elevated Installation >35' To 40', Add	*23.04*	
		For Elevated Installation >40', Add	*25.34*	
26 05 33 13-0439	EA	3-1/2" To 4" Conduit, 14" Bonding Jumper	207.74	27.65
		For Work In Restricted Working Space, Add	*20.73*	
		For Elevated Installation >10' To 15', Add	*6.91*	
		For Elevated Installation >15' To 20', Add	*13.82*	
		For Elevated Installation >20' To 25', Add	*17.28*	
		For Elevated Installation >25' To 30', Add	*24.19*	
		For Elevated Installation >30' To 35', Add	*27.64*	
		For Elevated Installation >35' To 40', Add	*34.56*	
		For Elevated Installation >40', Add	*38.01*	
26 05 33 13-0440	EA	5" To 6" Conduit, 14" Bonding Jumper	355.53	36.86
		For Work In Restricted Working Space, Add	*27.64*	
		For Elevated Installation >10' To 15', Add	*9.21*	
		For Elevated Installation >15' To 20', Add	*18.43*	
		For Elevated Installation >20' To 25', Add	*23.04*	
		For Elevated Installation >25' To 30', Add	*32.25*	
		For Elevated Installation >30' To 35', Add	*36.86*	
		For Elevated Installation >35' To 40', Add	*46.07*	
		For Elevated Installation >40', Add	*50.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0441	EA	1/2" To 3/4" Conduit, 24" Bonding Jumper	76.55	9.21
		For Work In Restricted Working Space, Add	*6.91*	
		For Elevated Installation >10' To 15', Add	*2.30*	
		For Elevated Installation >15' To 20', Add	*4.61*	
		For Elevated Installation >20' To 25', Add	*5.76*	
		For Elevated Installation >25' To 30', Add	*8.06*	
		For Elevated Installation >30' To 35', Add	*9.22*	
		For Elevated Installation >35' To 40', Add	*11.52*	
		For Elevated Installation >40', Add	*12.67*	
26 05 33 13-0442	EA	1" To 1-1/4" Conduit, 24" Bonding Jumper	88.99	11.52
		For Work In Restricted Working Space, Add	*8.64*	
		For Elevated Installation >10' To 15', Add	*2.88*	
		For Elevated Installation >15' To 20', Add	*5.76*	
		For Elevated Installation >20' To 25', Add	*7.20*	
		For Elevated Installation >25' To 30', Add	*10.08*	
		For Elevated Installation >30' To 35', Add	*11.52*	
		For Elevated Installation >35' To 40', Add	*14.40*	
		For Elevated Installation >40', Add	*15.84*	
26 05 33 13-0443	EA	1-1/2" To 2" Conduit, 24" Bonding Jumper	106.60	13.82
		For Work In Restricted Working Space, Add	*10.37*	
		For Elevated Installation >10' To 15', Add	*3.46*	
		For Elevated Installation >15' To 20', Add	*6.91*	
		For Elevated Installation >20' To 25', Add	*8.64*	
		For Elevated Installation >25' To 30', Add	*12.09*	
		For Elevated Installation >30' To 35', Add	*13.82*	
		For Elevated Installation >35' To 40', Add	*17.28*	
		For Elevated Installation >40', Add	*19.00*	
26 05 33 13-0444	EA	2-1/2" To 3" Conduit, 24" Bonding Jumper	149.12	18.42
		For Work In Restricted Working Space, Add	*13.82*	
		For Elevated Installation >10' To 15', Add	*4.61*	
		For Elevated Installation >15' To 20', Add	*9.21*	
		For Elevated Installation >20' To 25', Add	*11.52*	
		For Elevated Installation >25' To 30', Add	*16.12*	
		For Elevated Installation >30' To 35', Add	*18.43*	
		For Elevated Installation >35' To 40', Add	*23.04*	
		For Elevated Installation >40', Add	*25.34*	
26 05 33 13-0445	EA	3-1/2" To 4" Conduit, 24" Bonding Jumper	223.69	27.65
		For Work In Restricted Working Space, Add	*20.73*	
		For Elevated Installation >10' To 15', Add	*6.91*	
		For Elevated Installation >15' To 20', Add	*13.82*	
		For Elevated Installation >20' To 25', Add	*17.28*	
		For Elevated Installation >25' To 30', Add	*24.19*	
		For Elevated Installation >30' To 35', Add	*27.64*	
		For Elevated Installation >35' To 40', Add	*34.56*	
		For Elevated Installation >40', Add	*38.01*	
26 05 33 13-0446	EA	5" To 6" Conduit, 24" Bonding Jumper	406.96	36.86
		For Work In Restricted Working Space, Add	*27.64*	
		For Elevated Installation >10' To 15', Add	*9.21*	
		For Elevated Installation >15' To 20', Add	*18.43*	
		For Elevated Installation >20' To 25', Add	*23.04*	
		For Elevated Installation >25' To 30', Add	*32.25*	
		For Elevated Installation >30' To 35', Add	*36.86*	
		For Elevated Installation >35' To 40', Add	*46.07*	
		For Elevated Installation >40', Add	*50.68*	

26 05 33 13-0447 Rigid Galvanized Steel (RGS) Sealing Fittings, Vertical/Horizontal *(26 05 33 13-0060)*

26 05 33 13-0448	EA	1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	98.51	28.79
		For Work In Restricted Working Space, Add	*17.28*	
		For Elevated Installation >10' To 15', Add	*5.76*	
		For Elevated Installation >15' To 20', Add	*11.52*	
		For Elevated Installation >20' To 25', Add	*14.40*	
		For Elevated Installation >25' To 30', Add	*20.16*	
		For Elevated Installation >30' To 35', Add	*23.04*	
		For Elevated Installation >35' To 40', Add	*28.80*	
		For Elevated Installation >40', Add	*31.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.28*	
26 05 33 13-0449	EA	3/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	117.16	34.55
		For Work In Restricted Working Space, Add	*20.73*	
		For Elevated Installation >10' To 15', Add	*6.91*	
		For Elevated Installation >15' To 20', Add	*13.82*	
		For Elevated Installation >20' To 25', Add	*17.28*	
		For Elevated Installation >25' To 30', Add	*24.19*	
		For Elevated Installation >30' To 35', Add	*27.64*	
		For Elevated Installation >35' To 40', Add	*34.56*	
		For Elevated Installation >40', Add	*38.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.73*	
26 05 33 13-0450	EA	1" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	142.39	40.31
		For Work In Restricted Working Space, Add	*24.19*	
		For Elevated Installation >10' To 15', Add	*8.06*	
		For Elevated Installation >15' To 20', Add	*16.13*	
		For Elevated Installation >20' To 25', Add	*20.16*	
		For Elevated Installation >25' To 30', Add	*28.22*	
		For Elevated Installation >30' To 35', Add	*32.25*	
		For Elevated Installation >35' To 40', Add	*40.32*	
		For Elevated Installation >40', Add	*44.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0451	EA	1-1/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	167.14	46.07
		For Work In Restricted Working Space, Add	*27.64*	
		For Elevated Installation >10' To 15', Add	*9.21*	
		For Elevated Installation >15' To 20', Add	*18.43*	
		For Elevated Installation >20' To 25', Add	*23.04*	
		For Elevated Installation >25' To 30', Add	*32.25*	
		For Elevated Installation >30' To 35', Add	*36.86*	
		For Elevated Installation >35' To 40', Add	*46.07*	
		For Elevated Installation >40', Add	*50.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.64*	
26 05 33 13-0452	EA	1-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	216.57	51.83
		For Work In Restricted Working Space, Add	*31.10*	
		For Elevated Installation >10' To 15', Add	*10.37*	
		For Elevated Installation >15' To 20', Add	*20.73*	
		For Elevated Installation >20' To 25', Add	*25.92*	
		For Elevated Installation >25' To 30', Add	*36.28*	
		For Elevated Installation >30' To 35', Add	*41.46*	
		For Elevated Installation >35' To 40', Add	*51.83*	
		For Elevated Installation >40', Add	*57.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.10*	
26 05 33 13-0453	EA	2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	261.47	57.59
		For Work In Restricted Working Space, Add	*34.55*	
		For Elevated Installation >10' To 15', Add	*11.52*	
		For Elevated Installation >15' To 20', Add	*23.04*	
		For Elevated Installation >20' To 25', Add	*28.80*	
		For Elevated Installation >25' To 30', Add	*40.31*	
		For Elevated Installation >30' To 35', Add	*46.07*	
		For Elevated Installation >35' To 40', Add	*57.59*	
		For Elevated Installation >40', Add	*63.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.55*	
26 05 33 13-0454	EA	2-1/2" Rigid Galvanized Steel (RGS) Conduit Sealing Fitting, Vertical/Horizontal	365.51	69.11
		For Work In Restricted Working Space, Add	*41.47*	
		For Elevated Installation >10' To 15', Add	*13.82*	
		For Elevated Installation >15' To 20', Add	*27.64*	
		For Elevated Installation >20' To 25', Add	*34.56*	
		For Elevated Installation >25' To 30', Add	*48.38*	
		For Elevated Installation >30' To 35', Add	*55.29*	
		For Elevated Installation >35' To 40', Add	*69.11*	
		For Elevated Installation >40', Add	*76.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.47*	
26 05 33 13-0455	EA	3" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	438.90	80.63
		For Work In Restricted Working Space, Add	*48.38*	
		For Elevated Installation >10' To 15', Add	*16.13*	
		For Elevated Installation >15' To 20', Add	*32.25*	
		For Elevated Installation >20' To 25', Add	*40.31*	
		For Elevated Installation >25' To 30', Add	*56.44*	
		For Elevated Installation >30' To 35', Add	*64.50*	
		For Elevated Installation >35' To 40', Add	*80.63*	
		For Elevated Installation >40', Add	*88.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.38*	
26 05 33 13-0456	EA	3-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	985.04	92.14
		For Work In Restricted Working Space, Add	*55.29*	
		For Elevated Installation >10' To 15', Add	*18.43*	
		For Elevated Installation >15' To 20', Add	*36.86*	
		For Elevated Installation >20' To 25', Add	*46.07*	
		For Elevated Installation >25' To 30', Add	*64.50*	
		For Elevated Installation >30' To 35', Add	*73.72*	
		For Elevated Installation >35' To 40', Add	*92.15*	
		For Elevated Installation >40', Add	*101.36*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.29*	
26 05 33 13-0457	EA	4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	1,134.08	103.66
		For Work In Restricted Working Space, Add	*62.20*	
		For Elevated Installation >10' To 15', Add	*20.73*	
		For Elevated Installation >15' To 20', Add	*41.47*	
		For Elevated Installation >20' To 25', Add	*51.83*	
		For Elevated Installation >25' To 30', Add	*72.57*	
		For Elevated Installation >30' To 35', Add	*82.93*	
		For Elevated Installation >35' To 40', Add	*103.67*	
		For Elevated Installation >40', Add	*114.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*62.20*	

26 05 33 13-0458 Rigid Galvanized Steel (RGS) Threaded Couplings *(26 05 33 13-0060)*

26 05 33 13-0459	EA	1/2" Rigid Galvanized Steel (RGS) Threaded Coupling	15.27	6.91
		For Work In Restricted Working Space, Add	*4.15*	
		For Elevated Installation >10' To 15', Add	*1.38*	
		For Elevated Installation >15' To 20', Add	*2.76*	
		For Elevated Installation >20' To 25', Add	*3.46*	
		For Elevated Installation >25' To 30', Add	*4.84*	
		For Elevated Installation >30' To 35', Add	*5.53*	
		For Elevated Installation >35' To 40', Add	*6.91*	
		For Elevated Installation >40', Add	*7.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0460	EA	3/4" Rigid Galvanized Steel (RGS) Threaded Coupling	21.40	9.79
		For Work In Restricted Working Space, Add	*5.87*	
		For Elevated Installation >10' To 15', Add	*1.96*	
		For Elevated Installation >15' To 20', Add	*3.92*	
		For Elevated Installation >20' To 25', Add	*4.90*	
		For Elevated Installation >25' To 30', Add	*6.85*	
		For Elevated Installation >30' To 35', Add	*7.83*	
		For Elevated Installation >35' To 40', Add	*9.79*	
		For Elevated Installation >40', Add	*10.77*	
26 05 33 13-0461	EA	1" Rigid Galvanized Steel (RGS) Threaded Coupling	28.11	12.67
		For Work In Restricted Working Space, Add	*7.60*	
		For Elevated Installation >10' To 15', Add	*2.53*	
		For Elevated Installation >15' To 20', Add	*5.07*	
		For Elevated Installation >20' To 25', Add	*6.34*	
		For Elevated Installation >25' To 30', Add	*8.87*	
		For Elevated Installation >30' To 35', Add	*10.14*	
		For Elevated Installation >35' To 40', Add	*12.67*	
		For Elevated Installation >40', Add	*13.94*	
26 05 33 13-0462	EA	1-1/4" Rigid Galvanized Steel (RGS) Threaded Coupling	32.29	14.40
		For Work In Restricted Working Space, Add	*8.64*	
		For Elevated Installation >10' To 15', Add	*2.88*	
		For Elevated Installation >15' To 20', Add	*5.76*	
		For Elevated Installation >20' To 25', Add	*7.20*	
		For Elevated Installation >25' To 30', Add	*10.08*	
		For Elevated Installation >30' To 35', Add	*11.52*	
		For Elevated Installation >35' To 40', Add	*14.40*	
		For Elevated Installation >40', Add	*15.83*	
26 05 33 13-0463	EA	1-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling	38.93	17.27
		For Work In Restricted Working Space, Add	*10.37*	
		For Elevated Installation >10' To 15', Add	*3.46*	
		For Elevated Installation >15' To 20', Add	*6.91*	
		For Elevated Installation >20' To 25', Add	*8.64*	
		For Elevated Installation >25' To 30', Add	*12.09*	
		For Elevated Installation >30' To 35', Add	*13.82*	
		For Elevated Installation >35' To 40', Add	*17.28*	
		For Elevated Installation >40', Add	*19.00*	
26 05 33 13-0464	EA	2" Rigid Galvanized Steel (RGS) Threaded Coupling	45.70	19.58
		For Work In Restricted Working Space, Add	*11.75*	
		For Elevated Installation >10' To 15', Add	*3.92*	
		For Elevated Installation >15' To 20', Add	*7.83*	
		For Elevated Installation >20' To 25', Add	*9.79*	
		For Elevated Installation >25' To 30', Add	*13.71*	
		For Elevated Installation >30' To 35', Add	*15.67*	
		For Elevated Installation >35' To 40', Add	*19.59*	
		For Elevated Installation >40', Add	*21.54*	
26 05 33 13-0465	EA	2-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling	58.43	21.88
		For Work In Restricted Working Space, Add	*13.13*	
		For Elevated Installation >10' To 15', Add	*4.38*	
		For Elevated Installation >15' To 20', Add	*8.75*	
		For Elevated Installation >20' To 25', Add	*10.94*	
		For Elevated Installation >25' To 30', Add	*15.32*	
		For Elevated Installation >30' To 35', Add	*17.51*	
		For Elevated Installation >35' To 40', Add	*21.89*	
		For Elevated Installation >40', Add	*24.07*	
26 05 33 13-0466	EA	3" Rigid Galvanized Steel (RGS) Threaded Coupling	68.59	24.76
		For Work In Restricted Working Space, Add	*14.86*	
		For Elevated Installation >10' To 15', Add	*4.95*	
		For Elevated Installation >15' To 20', Add	*9.91*	
		For Elevated Installation >20' To 25', Add	*12.38*	
		For Elevated Installation >25' To 30', Add	*17.34*	
		For Elevated Installation >30' To 35', Add	*19.81*	
		For Elevated Installation >35' To 40', Add	*24.77*	
		For Elevated Installation >40', Add	*27.24*	
26 05 33 13-0467	EA	3-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling	79.88	27.07
		For Work In Restricted Working Space, Add	*16.24*	
		For Elevated Installation >10' To 15', Add	*5.41*	
		For Elevated Installation >15' To 20', Add	*10.83*	
		For Elevated Installation >20' To 25', Add	*13.53*	
		For Elevated Installation >25' To 30', Add	*18.95*	
		For Elevated Installation >30' To 35', Add	*21.65*	
		For Elevated Installation >35' To 40', Add	*27.07*	
		For Elevated Installation >40', Add	*29.77*	
26 05 33 13-0468	EA	4" Threaded Rigid Galvanized Steel (RGS) Coupling	84.41	28.79
		For Work In Restricted Working Space, Add	*17.28*	
		For Elevated Installation >10' To 15', Add	*5.76*	
		For Elevated Installation >15' To 20', Add	*11.52*	
		For Elevated Installation >20' To 25', Add	*14.40*	
		For Elevated Installation >25' To 30', Add	*20.16*	
		For Elevated Installation >30' To 35', Add	*23.04*	
		For Elevated Installation >35' To 40', Add	*28.80*	
		For Elevated Installation >40', Add	*31.67*	

26 05 33 13-0469 Rigid Galvanized Steel (RGS) Sealing Locknut *(26 05 33 13-0060)*

26 05 33 13-0470	EA	1/2" Rigid Galvanized Steel (RGS) Sealing Locknut	3.59	1.15
26 05 33 13-0471	EA	3/4" Rigid Galvanized Steel (RGS) Sealing Locknut	4.94	1.72
26 05 33 13-0472	EA	1" Rigid Galvanized Steel (RGS) Sealing Locknut	8.19	2.88

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0473	EA	1-1/4" Rigid Galvanized Steel (RGS) Sealing Locknut	11.87	4.03
26 05 33 13-0474	EA	1-1/2" Rigid Galvanized Steel (RGS) Sealing Locknut	14.24	4.61
26 05 33 13-0475	EA	2" Rigid Galvanized Steel (RGS) Sealing Locknut	16.78	5.18
26 05 33 13-0476		**Rigid Galvanized Steel (RGS) Fire Stop Fittings** *(26 05 33 13-0060)*		
26 05 33 13-0477	EA	1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	197.96	13.98
		For Work In Restricted Working Space, Add	*10.49*	
		For Elevated Installation >10' To 15', Add	*3.50*	
		For Elevated Installation >15' To 20', Add	*6.99*	
		For Elevated Installation >20' To 25', Add	*8.74*	
		For Elevated Installation >25' To 30', Add	*12.23*	
		For Elevated Installation >30' To 35', Add	*13.98*	
		For Elevated Installation >35' To 40', Add	*17.48*	
		For Elevated Installation >40', Add	*19.22*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.49*	
26 05 33 13-0478	EA	3/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting	201.33	15.32
		For Work In Restricted Working Space, Add	*11.50*	
		For Elevated Installation >10' To 15', Add	*3.83*	
		For Elevated Installation >15' To 20', Add	*7.66*	
		For Elevated Installation >20' To 25', Add	*9.58*	
		For Elevated Installation >25' To 30', Add	*13.41*	
		For Elevated Installation >30' To 35', Add	*15.33*	
		For Elevated Installation >35' To 40', Add	*19.16*	
		For Elevated Installation >40', Add	*21.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.50*	
26 05 33 13-0479	EA	1" Rigid Galvanized Steel (RGS) Fire Stop Fitting	241.47	16.82
		For Work In Restricted Working Space, Add	*12.59*	
		For Elevated Installation >10' To 15', Add	*4.20*	
		For Elevated Installation >15' To 20', Add	*8.39*	
		For Elevated Installation >20' To 25', Add	*10.49*	
		For Elevated Installation >25' To 30', Add	*14.69*	
		For Elevated Installation >30' To 35', Add	*16.78*	
		For Elevated Installation >35' To 40', Add	*20.98*	
		For Elevated Installation >40', Add	*23.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.59*	
26 05 33 13-0480	EA	1-1/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting	265.08	18.42
		For Work In Restricted Working Space, Add	*13.83*	
		For Elevated Installation >10' To 15', Add	*4.61*	
		For Elevated Installation >15' To 20', Add	*9.22*	
		For Elevated Installation >20' To 25', Add	*11.53*	
		For Elevated Installation >25' To 30', Add	*16.14*	
		For Elevated Installation >30' To 35', Add	*18.44*	
		For Elevated Installation >35' To 40', Add	*23.06*	
		For Elevated Installation >40', Add	*25.36*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.83*	
26 05 33 13-0481	EA	1-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	302.43	20.73
		For Work In Restricted Working Space, Add	*15.55*	
		For Elevated Installation >10' To 15', Add	*5.18*	
		For Elevated Installation >15' To 20', Add	*10.37*	
		For Elevated Installation >20' To 25', Add	*12.96*	
		For Elevated Installation >25' To 30', Add	*18.14*	
		For Elevated Installation >30' To 35', Add	*20.73*	
		For Elevated Installation >35' To 40', Add	*25.92*	
		For Elevated Installation >40', Add	*28.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.55*	
26 05 33 13-0482	EA	2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	446.90	23.04
		For Work In Restricted Working Space, Add	*17.29*	
		For Elevated Installation >10' To 15', Add	*5.76*	
		For Elevated Installation >15' To 20', Add	*11.52*	
		For Elevated Installation >20' To 25', Add	*14.41*	
		For Elevated Installation >25' To 30', Add	*20.17*	
		For Elevated Installation >30' To 35', Add	*23.05*	
		For Elevated Installation >35' To 40', Add	*28.81*	
		For Elevated Installation >40', Add	*31.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.29*	
26 05 33 13-0483	EA	2-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	514.77	30.76
		For Work In Restricted Working Space, Add	*23.05*	
		For Elevated Installation >10' To 15', Add	*7.68*	
		For Elevated Installation >15' To 20', Add	*15.37*	
		For Elevated Installation >20' To 25', Add	*19.21*	
		For Elevated Installation >25' To 30', Add	*26.89*	
		For Elevated Installation >30' To 35', Add	*30.73*	
		For Elevated Installation >35' To 40', Add	*38.42*	
		For Elevated Installation >40', Add	*42.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.05*	
26 05 33 13-0484	EA	3" Rigid Galvanized Steel (RGS) Fire Stop Fitting	571.03	33.75
		For Work In Restricted Working Space, Add	*25.33*	
		For Elevated Installation >10' To 15', Add	*8.44*	
		For Elevated Installation >15' To 20', Add	*16.89*	
		For Elevated Installation >20' To 25', Add	*21.11*	
		For Elevated Installation >25' To 30', Add	*29.55*	
		For Elevated Installation >30' To 35', Add	*33.77*	
		For Elevated Installation >35' To 40', Add	*42.22*	
		For Elevated Installation >40', Add	*46.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0485	EA	3-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	663.90	36.86
		For Work In Restricted Working Space, Add	*27.65*	
		For Elevated Installation >10' To 15', Add	*9.22*	
		For Elevated Installation >15' To 20', Add	*18.43*	
		For Elevated Installation >20' To 25', Add	*23.04*	
		For Elevated Installation >25' To 30', Add	*32.25*	
		For Elevated Installation >30' To 35', Add	*36.86*	
		For Elevated Installation >35' To 40', Add	*46.08*	
		For Elevated Installation >40', Add	*50.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.65*	
26 05 33 13-0486	EA	4" Rigid Galvanized Steel (RGS) Fire Stop Fitting	748.40	41.46
		For Work In Restricted Working Space, Add	*31.10*	
		For Elevated Installation >10' To 15', Add	*10.37*	
		For Elevated Installation >15' To 20', Add	*20.73*	
		For Elevated Installation >20' To 25', Add	*25.92*	
		For Elevated Installation >25' To 30', Add	*36.28*	
		For Elevated Installation >30' To 35', Add	*41.46*	
		For Elevated Installation >35' To 40', Add	*51.83*	
		For Elevated Installation >40', Add	*57.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.10*	
26 05 33 13-0487	EA	5" Rigid Galvanized Steel (RGS) Fire Stop Fitting	1,003.22	46.07
		For Work In Restricted Working Space, Add	*34.55*	
		For Elevated Installation >10' To 15', Add	*11.52*	
		For Elevated Installation >15' To 20', Add	*23.04*	
		For Elevated Installation >20' To 25', Add	*28.80*	
		For Elevated Installation >25' To 30', Add	*40.31*	
		For Elevated Installation >30' To 35', Add	*46.07*	
		For Elevated Installation >35' To 40', Add	*57.59*	
		For Elevated Installation >40', Add	*63.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.55*	
26 05 33 13-0488	EA	6" Rigid Galvanized Steel (RGS) Fire Stop Fitting	1,247.03	51.13
		For Work In Restricted Working Space, Add	*38.36*	
		For Elevated Installation >10' To 15', Add	*12.79*	
		For Elevated Installation >15' To 20', Add	*25.57*	
		For Elevated Installation >20' To 25', Add	*31.96*	
		For Elevated Installation >25' To 30', Add	*44.75*	
		For Elevated Installation >30' To 35', Add	*51.14*	
		For Elevated Installation >35' To 40', Add	*63.93*	
		For Elevated Installation >40', Add	*70.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.36*	

26 05 33 13-0489 Rigid Galvanized Steel (RGS) Reducing Bushings *(26 05 33 13-0060)*

26 05 33 13-0490	EA	3/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	18.84	8.92
		For Work In Restricted Working Space, Add	*5.36*	
		For Elevated Installation >10' To 15', Add	*1.79*	
		For Elevated Installation >15' To 20', Add	*3.57*	
		For Elevated Installation >20' To 25', Add	*4.46*	
		For Elevated Installation >25' To 30', Add	*6.25*	
		For Elevated Installation >30' To 35', Add	*7.14*	
		For Elevated Installation >35' To 40', Add	*8.93*	
		For Elevated Installation >40', Add	*9.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.36*	
26 05 33 13-0491	EA	1" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	20.83	9.50
		For Work In Restricted Working Space, Add	*5.70*	
		For Elevated Installation >10' To 15', Add	*1.90*	
		For Elevated Installation >15' To 20', Add	*3.80*	
		For Elevated Installation >20' To 25', Add	*4.75*	
		For Elevated Installation >25' To 30', Add	*6.65*	
		For Elevated Installation >30' To 35', Add	*7.60*	
		For Elevated Installation >35' To 40', Add	*9.51*	
		For Elevated Installation >40', Add	*10.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.70*	
26 05 33 13-0492	EA	1" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	21.40	9.79
		For Work In Restricted Working Space, Add	*5.87*	
		For Elevated Installation >10' To 15', Add	*1.96*	
		For Elevated Installation >15' To 20', Add	*3.92*	
		For Elevated Installation >20' To 25', Add	*4.90*	
		For Elevated Installation >25' To 30', Add	*6.85*	
		For Elevated Installation >30' To 35', Add	*7.83*	
		For Elevated Installation >35' To 40', Add	*9.79*	
		For Elevated Installation >40', Add	*10.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.87*	
26 05 33 13-0493	EA	1-1/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	24.88	10.07
		For Work In Restricted Working Space, Add	*6.05*	
		For Elevated Installation >10' To 15', Add	*2.02*	
		For Elevated Installation >15' To 20', Add	*4.03*	
		For Elevated Installation >20' To 25', Add	*5.04*	
		For Elevated Installation >25' To 30', Add	*7.06*	
		For Elevated Installation >30' To 35', Add	*8.06*	
		For Elevated Installation >35' To 40', Add	*10.08*	
		For Elevated Installation >40', Add	*11.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0494	EA	1-1/4" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	25.45	10.37
		For Work In Restricted Working Space, Add	*6.22*	
		For Elevated Installation >10' To 15', Add	*2.07*	
		For Elevated Installation >15' To 20', Add	*4.15*	
		For Elevated Installation >20' To 25', Add	*5.18*	
		For Elevated Installation >25' To 30', Add	*7.26*	
		For Elevated Installation >30' To 35', Add	*8.29*	
		For Elevated Installation >35' To 40', Add	*10.37*	
		For Elevated Installation >40', Add	*11.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.22*	
26 05 33 13-0495	EA	1-1/4" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing	26.60	10.95
		For Work In Restricted Working Space, Add	*6.56*	
		For Elevated Installation >10' To 15', Add	*2.19*	
		For Elevated Installation >15' To 20', Add	*4.38*	
		For Elevated Installation >20' To 25', Add	*5.47*	
		For Elevated Installation >25' To 30', Add	*7.66*	
		For Elevated Installation >30' To 35', Add	*8.75*	
		For Elevated Installation >35' To 40', Add	*10.94*	
		For Elevated Installation >40', Add	*12.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.56*	
26 05 33 13-0496	EA	1-1/2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	28.76	11.52
		For Work In Restricted Working Space, Add	*6.91*	
		For Elevated Installation >10' To 15', Add	*2.30*	
		For Elevated Installation >15' To 20', Add	*4.61*	
		For Elevated Installation >20' To 25', Add	*5.76*	
		For Elevated Installation >25' To 30', Add	*8.06*	
		For Elevated Installation >30' To 35', Add	*9.22*	
		For Elevated Installation >35' To 40', Add	*11.52*	
		For Elevated Installation >40', Add	*12.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.91*	
26 05 33 13-0497	EA	1-1/2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	29.33	11.81
		For Work In Restricted Working Space, Add	*7.08*	
		For Elevated Installation >10' To 15', Add	*2.36*	
		For Elevated Installation >15' To 20', Add	*4.72*	
		For Elevated Installation >20' To 25', Add	*5.90*	
		For Elevated Installation >25' To 30', Add	*8.26*	
		For Elevated Installation >30' To 35', Add	*9.44*	
		For Elevated Installation >35' To 40', Add	*11.81*	
		For Elevated Installation >40', Add	*12.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.08*	
26 05 33 13-0498	EA	1-1/2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing	30.48	12.38
		For Work In Restricted Working Space, Add	*7.43*	
		For Elevated Installation >10' To 15', Add	*2.48*	
		For Elevated Installation >15' To 20', Add	*4.95*	
		For Elevated Installation >20' To 25', Add	*6.19*	
		For Elevated Installation >25' To 30', Add	*8.67*	
		For Elevated Installation >30' To 35', Add	*9.90*	
		For Elevated Installation >35' To 40', Add	*12.38*	
		For Elevated Installation >40', Add	*13.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.43*	
26 05 33 13-0499	EA	1-1/2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing	31.63	12.96
		For Work In Restricted Working Space, Add	*7.77*	
		For Elevated Installation >10' To 15', Add	*2.59*	
		For Elevated Installation >15' To 20', Add	*5.18*	
		For Elevated Installation >20' To 25', Add	*6.48*	
		For Elevated Installation >25' To 30', Add	*9.07*	
		For Elevated Installation >30' To 35', Add	*10.36*	
		For Elevated Installation >35' To 40', Add	*12.96*	
		For Elevated Installation >40', Add	*14.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.77*	
26 05 33 13-0500	EA	2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	38.47	12.96
		For Work In Restricted Working Space, Add	*7.77*	
		For Elevated Installation >10' To 15', Add	*2.59*	
		For Elevated Installation >15' To 20', Add	*5.18*	
		For Elevated Installation >20' To 25', Add	*6.48*	
		For Elevated Installation >25' To 30', Add	*9.07*	
		For Elevated Installation >30' To 35', Add	*10.36*	
		For Elevated Installation >35' To 40', Add	*12.96*	
		For Elevated Installation >40', Add	*14.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.77*	
26 05 33 13-0501	EA	2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	39.05	13.24
		For Work In Restricted Working Space, Add	*7.95*	
		For Elevated Installation >10' To 15', Add	*2.65*	
		For Elevated Installation >15' To 20', Add	*5.30*	
		For Elevated Installation >20' To 25', Add	*6.62*	
		For Elevated Installation >25' To 30', Add	*9.27*	
		For Elevated Installation >30' To 35', Add	*10.60*	
		For Elevated Installation >35' To 40', Add	*13.25*	
		For Elevated Installation >40', Add	*14.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0502	EA	2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing	40.21	13.82
		For Work In Restricted Working Space, Add	*8.30*	
		For Elevated Installation >10' To 15', Add	*2.77*	
		For Elevated Installation >15' To 20', Add	*5.53*	
		For Elevated Installation >20' To 25', Add	*6.91*	
		For Elevated Installation >25' To 30', Add	*9.68*	
		For Elevated Installation >30' To 35', Add	*11.06*	
		For Elevated Installation >35' To 40', Add	*13.83*	
		For Elevated Installation >40', Add	*15.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.30*	
26 05 33 13-0503	EA	2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing	41.35	14.40
		For Work In Restricted Working Space, Add	*8.64*	
		For Elevated Installation >10' To 15', Add	*2.88*	
		For Elevated Installation >15' To 20', Add	*5.76*	
		For Elevated Installation >20' To 25', Add	*7.20*	
		For Elevated Installation >25' To 30', Add	*10.08*	
		For Elevated Installation >30' To 35', Add	*11.52*	
		For Elevated Installation >35' To 40', Add	*14.40*	
		For Elevated Installation >40', Add	*15.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.64*	
26 05 33 13-0504	EA	2" x 1-1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	44.24	15.84
		For Work In Restricted Working Space, Add	*9.50*	
		For Elevated Installation >10' To 15', Add	*3.17*	
		For Elevated Installation >15' To 20', Add	*6.34*	
		For Elevated Installation >20' To 25', Add	*7.92*	
		For Elevated Installation >25' To 30', Add	*11.09*	
		For Elevated Installation >30' To 35', Add	*12.67*	
		For Elevated Installation >35' To 40', Add	*15.84*	
		For Elevated Installation >40', Add	*17.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.50*	
26 05 33 13-0505	EA	2-1/2" x 2" Rigid Galvanized Steel (RGS) Reducing Bushing	56.04	18.72
		For Work In Restricted Working Space, Add	*11.23*	
		For Elevated Installation >10' To 15', Add	*3.74*	
		For Elevated Installation >15' To 20', Add	*7.49*	
		For Elevated Installation >20' To 25', Add	*9.36*	
		For Elevated Installation >25' To 30', Add	*13.10*	
		For Elevated Installation >30' To 35', Add	*14.97*	
		For Elevated Installation >35' To 40', Add	*18.72*	
		For Elevated Installation >40', Add	*20.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.23*	

26 05 33 13-0506 Rigid Galvanized Steel (RGS) Locknuts *(26 05 33 13-0060)*

26 05 33 13-0507	EA	1/2" Rigid Galvanized Steel (RGS) Locknuts	2.40	1.15
		For Work In Restricted Working Space, Add	*0.69*	
		For Elevated Installation >10' To 15', Add	*0.23*	
		For Elevated Installation >15' To 20', Add	*0.46*	
		For Elevated Installation >20' To 25', Add	*0.58*	
		For Elevated Installation >25' To 30', Add	*0.81*	
		For Elevated Installation >30' To 35', Add	*0.92*	
		For Elevated Installation >35' To 40', Add	*1.16*	
		For Elevated Installation >40', Add	*1.27*	
26 05 33 13-0508	EA	3/4" Rigid Galvanized Steel (RGS) Locknuts	3.59	1.72
		For Work In Restricted Working Space, Add	*1.04*	
		For Elevated Installation >10' To 15', Add	*0.35*	
		For Elevated Installation >15' To 20', Add	*0.69*	
		For Elevated Installation >20' To 25', Add	*0.87*	
		For Elevated Installation >25' To 30', Add	*1.21*	
		For Elevated Installation >30' To 35', Add	*1.38*	
		For Elevated Installation >35' To 40', Add	*1.73*	
		For Elevated Installation >40', Add	*1.90*	
26 05 33 13-0509	EA	1" Rigid Galvanized Steel (RGS) Locknuts	5.96	2.88
		For Work In Restricted Working Space, Add	*1.73*	
		For Elevated Installation >10' To 15', Add	*0.58*	
		For Elevated Installation >15' To 20', Add	*1.15*	
		For Elevated Installation >20' To 25', Add	*1.44*	
		For Elevated Installation >25' To 30', Add	*2.01*	
		For Elevated Installation >30' To 35', Add	*2.30*	
		For Elevated Installation >35' To 40', Add	*2.88*	
		For Elevated Installation >40', Add	*3.16*	
26 05 33 13-0510	EA	1-1/4" Rigid Galvanized Steel (RGS) Locknuts	8.41	4.03
		For Work In Restricted Working Space, Add	*2.42*	
		For Elevated Installation >10' To 15', Add	*0.81*	
		For Elevated Installation >15' To 20', Add	*1.61*	
		For Elevated Installation >20' To 25', Add	*2.02*	
		For Elevated Installation >25' To 30', Add	*2.82*	
		For Elevated Installation >30' To 35', Add	*3.22*	
		For Elevated Installation >35' To 40', Add	*4.03*	
		For Elevated Installation >40', Add	*4.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0511	EA	1-1/2" Rigid Galvanized Steel (RGS) Locknuts	9.66	4.61
		For Work In Restricted Working Space, Add	*2.76*	
		For Elevated Installation >10' To 15', Add	*0.92*	
		For Elevated Installation >15' To 20', Add	*1.84*	
		For Elevated Installation >20' To 25', Add	*2.30*	
		For Elevated Installation >25' To 30', Add	*3.22*	
		For Elevated Installation >30' To 35', Add	*3.68*	
		For Elevated Installation >35' To 40', Add	*4.61*	
		For Elevated Installation >40', Add	*5.07*	
26 05 33 13-0512	EA	2" Rigid Galvanized Steel (RGS) Locknuts	10.93	5.18
		For Work In Restricted Working Space, Add	*3.11*	
		For Elevated Installation >10' To 15', Add	*1.04*	
		For Elevated Installation >15' To 20', Add	*2.07*	
		For Elevated Installation >20' To 25', Add	*2.59*	
		For Elevated Installation >25' To 30', Add	*3.63*	
		For Elevated Installation >30' To 35', Add	*4.15*	
		For Elevated Installation >35' To 40', Add	*5.19*	
		For Elevated Installation >40', Add	*5.70*	
26 05 33 13-0513	EA	2-1/2" Rigid Galvanized Steel (RGS) Locknuts	15.31	6.91
		For Work In Restricted Working Space, Add	*4.15*	
		For Elevated Installation >10' To 15', Add	*1.38*	
		For Elevated Installation >15' To 20', Add	*2.76*	
		For Elevated Installation >20' To 25', Add	*3.46*	
		For Elevated Installation >25' To 30', Add	*4.84*	
		For Elevated Installation >30' To 35', Add	*5.53*	
		For Elevated Installation >35' To 40', Add	*6.91*	
		For Elevated Installation >40', Add	*7.60*	
26 05 33 13-0514	EA	3" Rigid Galvanized Steel (RGS) Locknuts	18.91	8.64
		For Work In Restricted Working Space, Add	*5.18*	
		For Elevated Installation >10' To 15', Add	*1.73*	
		For Elevated Installation >15' To 20', Add	*3.45*	
		For Elevated Installation >20' To 25', Add	*4.32*	
		For Elevated Installation >25' To 30', Add	*6.04*	
		For Elevated Installation >30' To 35', Add	*6.91*	
		For Elevated Installation >35' To 40', Add	*8.64*	
		For Elevated Installation >40', Add	*9.50*	
26 05 33 13-0515	EA	3-1/2" Rigid Galvanized Steel (RGS) Locknuts	22.31	9.79
		For Work In Restricted Working Space, Add	*5.87*	
		For Elevated Installation >10' To 15', Add	*1.96*	
		For Elevated Installation >15' To 20', Add	*3.92*	
		For Elevated Installation >20' To 25', Add	*4.90*	
		For Elevated Installation >25' To 30', Add	*6.85*	
		For Elevated Installation >30' To 35', Add	*7.83*	
		For Elevated Installation >35' To 40', Add	*9.79*	
		For Elevated Installation >40', Add	*10.77*	
26 05 33 13-0516	EA	4" Rigid Galvanized Steel (RGS) Locknuts	25.02	10.95
		For Work In Restricted Working Space, Add	*6.56*	
		For Elevated Installation >10' To 15', Add	*2.19*	
		For Elevated Installation >15' To 20', Add	*4.38*	
		For Elevated Installation >20' To 25', Add	*5.47*	
		For Elevated Installation >25' To 30', Add	*7.66*	
		For Elevated Installation >30' To 35', Add	*8.75*	
		For Elevated Installation >35' To 40', Add	*10.94*	
		For Elevated Installation >40', Add	*12.03*	

26 05 33 13-0517 Rigid Galvanized Steel (RGS) Grounding Locknuts *(26 05 33 13-0060)*

26 05 33 13-0518	EA	1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts	3.67	1.15
		For Work In Restricted Working Space, Add	*0.69*	
		For Elevated Installation >10' To 15', Add	*0.23*	
		For Elevated Installation >15' To 20', Add	*0.46*	
		For Elevated Installation >20' To 25', Add	*0.58*	
		For Elevated Installation >25' To 30', Add	*0.81*	
		For Elevated Installation >30' To 35', Add	*0.92*	
		For Elevated Installation >35' To 40', Add	*1.16*	
		For Elevated Installation >40', Add	*1.27*	
26 05 33 13-0519	EA	3/4" Rigid Galvanized Steel (RGS) Grounding Locknuts	5.09	1.72
		For Work In Restricted Working Space, Add	*1.04*	
		For Elevated Installation >10' To 15', Add	*0.35*	
		For Elevated Installation >15' To 20', Add	*0.69*	
		For Elevated Installation >20' To 25', Add	*0.87*	
		For Elevated Installation >25' To 30', Add	*1.21*	
		For Elevated Installation >30' To 35', Add	*1.38*	
		For Elevated Installation >35' To 40', Add	*1.73*	
		For Elevated Installation >40', Add	*1.90*	
26 05 33 13-0520	EA	1" Rigid Galvanized Steel (RGS) Grounding Locknuts	8.09	2.88
		For Work In Restricted Working Space, Add	*1.73*	
		For Elevated Installation >10' To 15', Add	*0.58*	
		For Elevated Installation >15' To 20', Add	*1.15*	
		For Elevated Installation >20' To 25', Add	*1.44*	
		For Elevated Installation >25' To 30', Add	*2.01*	
		For Elevated Installation >30' To 35', Add	*2.30*	
		For Elevated Installation >35' To 40', Add	*2.88*	
		For Elevated Installation >40', Add	*3.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0521	EA	1-1/4" Rigid Galvanized Steel (RGS) Grounding Locknuts	11.31	4.03
		For Work In Restricted Working Space, Add	*2.42*	
		For Elevated Installation >10' To 15', Add	*0.81*	
		For Elevated Installation >15' To 20', Add	*1.61*	
		For Elevated Installation >20' To 25', Add	*2.02*	
		For Elevated Installation >25' To 30', Add	*2.82*	
		For Elevated Installation >30' To 35', Add	*3.22*	
		For Elevated Installation >35' To 40', Add	*4.03*	
		For Elevated Installation >40', Add	*4.43*	
26 05 33 13-0522	EA	1-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts	12.77	4.61
		For Work In Restricted Working Space, Add	*2.76*	
		For Elevated Installation >10' To 15', Add	*0.92*	
		For Elevated Installation >15' To 20', Add	*1.84*	
		For Elevated Installation >20' To 25', Add	*2.30*	
		For Elevated Installation >25' To 30', Add	*3.22*	
		For Elevated Installation >30' To 35', Add	*3.68*	
		For Elevated Installation >35' To 40', Add	*4.61*	
		For Elevated Installation >40', Add	*5.07*	
26 05 33 13-0523	EA	2" Rigid Galvanized Steel (RGS) Grounding Locknuts	15.02	5.18
		For Work In Restricted Working Space, Add	*3.11*	
		For Elevated Installation >10' To 15', Add	*1.04*	
		For Elevated Installation >15' To 20', Add	*2.07*	
		For Elevated Installation >20' To 25', Add	*2.59*	
		For Elevated Installation >25' To 30', Add	*3.63*	
		For Elevated Installation >30' To 35', Add	*4.15*	
		For Elevated Installation >35' To 40', Add	*5.19*	
		For Elevated Installation >40', Add	*5.70*	
26 05 33 13-0524	EA	2-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts	22.45	6.91
		For Work In Restricted Working Space, Add	*4.15*	
		For Elevated Installation >10' To 15', Add	*1.38*	
		For Elevated Installation >15' To 20', Add	*2.76*	
		For Elevated Installation >20' To 25', Add	*3.46*	
		For Elevated Installation >25' To 30', Add	*4.84*	
		For Elevated Installation >30' To 35', Add	*5.53*	
		For Elevated Installation >35' To 40', Add	*6.91*	
		For Elevated Installation >40', Add	*7.60*	
26 05 33 13-0525	EA	3" Rigid Galvanized Steel (RGS) Grounding Locknuts	28.23	8.64
		For Work In Restricted Working Space, Add	*5.18*	
		For Elevated Installation >10' To 15', Add	*1.73*	
		For Elevated Installation >15' To 20', Add	*3.45*	
		For Elevated Installation >20' To 25', Add	*4.32*	
		For Elevated Installation >25' To 30', Add	*6.04*	
		For Elevated Installation >30' To 35', Add	*6.91*	
		For Elevated Installation >35' To 40', Add	*8.64*	
		For Elevated Installation >40', Add	*9.50*	
26 05 33 13-0526	EA	3-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts	37.37	9.79
		For Work In Restricted Working Space, Add	*5.87*	
		For Elevated Installation >10' To 15', Add	*1.96*	
		For Elevated Installation >15' To 20', Add	*3.92*	
		For Elevated Installation >20' To 25', Add	*4.90*	
		For Elevated Installation >25' To 30', Add	*6.85*	
		For Elevated Installation >30' To 35', Add	*7.83*	
		For Elevated Installation >35' To 40', Add	*9.79*	
		For Elevated Installation >40', Add	*10.77*	
26 05 33 13-0527	EA	4" Rigid Galvanized Steel (RGS) Grounding Locknuts	44.83	10.95
		For Work In Restricted Working Space, Add	*6.56*	
		For Elevated Installation >10' To 15', Add	*2.19*	
		For Elevated Installation >15' To 20', Add	*4.38*	
		For Elevated Installation >20' To 25', Add	*5.47*	
		For Elevated Installation >25' To 30', Add	*7.66*	
		For Elevated Installation >30' To 35', Add	*8.75*	
		For Elevated Installation >35' To 40', Add	*10.94*	
		For Elevated Installation >40', Add	*12.03*	

26 05 33 13-0528 Rigid Galvanized Steel (RGS) Insulated Ground Bushing *(26 05 33 13-0060)*

26 05 33 13-0529	EA	1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	10.31	3.46
		For Work In Restricted Working Space, Add	*2.07*	
		For Elevated Installation >10' To 15', Add	*0.69*	
		For Elevated Installation >15' To 20', Add	*1.38*	
		For Elevated Installation >20' To 25', Add	*1.73*	
		For Elevated Installation >25' To 30', Add	*2.42*	
		For Elevated Installation >30' To 35', Add	*2.76*	
		For Elevated Installation >35' To 40', Add	*3.46*	
		For Elevated Installation >40', Add	*3.80*	
26 05 33 13-0530	EA	3/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	12.91	4.61
		For Work In Restricted Working Space, Add	*2.76*	
		For Elevated Installation >10' To 15', Add	*0.92*	
		For Elevated Installation >15' To 20', Add	*1.84*	
		For Elevated Installation >20' To 25', Add	*2.30*	
		For Elevated Installation >25' To 30', Add	*3.22*	
		For Elevated Installation >30' To 35', Add	*3.68*	
		For Elevated Installation >35' To 40', Add	*4.61*	
		For Elevated Installation >40', Add	*5.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0531	EA	1" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	16.50	5.75
		For Work In Restricted Working Space, Add	*3.46*	
		For Elevated Installation >10' To 15', Add	*1.15*	
		For Elevated Installation >15' To 20', Add	*2.30*	
		For Elevated Installation >20' To 25', Add	*2.88*	
		For Elevated Installation >25' To 30', Add	*4.03*	
		For Elevated Installation >30' To 35', Add	*4.61*	
		For Elevated Installation >35' To 40', Add	*5.76*	
		For Elevated Installation >40', Add	*6.34*	
26 05 33 13-0532	EA	1-1/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	23.98	9.21
		For Work In Restricted Working Space, Add	*5.53*	
		For Elevated Installation >10' To 15', Add	*1.84*	
		For Elevated Installation >15' To 20', Add	*3.68*	
		For Elevated Installation >20' To 25', Add	*4.61*	
		For Elevated Installation >25' To 30', Add	*6.45*	
		For Elevated Installation >30' To 35', Add	*7.37*	
		For Elevated Installation >35' To 40', Add	*9.21*	
		For Elevated Installation >40', Add	*10.13*	
26 05 33 13-0533	EA	1-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	27.02	10.37
		For Work In Restricted Working Space, Add	*6.22*	
		For Elevated Installation >10' To 15', Add	*2.07*	
		For Elevated Installation >15' To 20', Add	*4.15*	
		For Elevated Installation >20' To 25', Add	*5.18*	
		For Elevated Installation >25' To 30', Add	*7.26*	
		For Elevated Installation >30' To 35', Add	*8.29*	
		For Elevated Installation >35' To 40', Add	*10.37*	
		For Elevated Installation >40', Add	*11.40*	
26 05 33 13-0534	EA	2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	30.75	11.52
		For Work In Restricted Working Space, Add	*6.91*	
		For Elevated Installation >10' To 15', Add	*2.30*	
		For Elevated Installation >15' To 20', Add	*4.61*	
		For Elevated Installation >20' To 25', Add	*5.76*	
		For Elevated Installation >25' To 30', Add	*8.06*	
		For Elevated Installation >30' To 35', Add	*9.22*	
		For Elevated Installation >35' To 40', Add	*11.52*	
		For Elevated Installation >40', Add	*12.67*	
26 05 33 13-0535	EA	2-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	42.55	13.82
		For Work In Restricted Working Space, Add	*8.30*	
		For Elevated Installation >10' To 15', Add	*2.77*	
		For Elevated Installation >15' To 20', Add	*5.53*	
		For Elevated Installation >20' To 25', Add	*6.91*	
		For Elevated Installation >25' To 30', Add	*9.68*	
		For Elevated Installation >30' To 35', Add	*11.06*	
		For Elevated Installation >35' To 40', Add	*13.83*	
		For Elevated Installation >40', Add	*15.21*	
26 05 33 13-0536	EA	3" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	51.62	17.27
		For Work In Restricted Working Space, Add	*10.37*	
		For Elevated Installation >10' To 15', Add	*3.46*	
		For Elevated Installation >15' To 20', Add	*6.91*	
		For Elevated Installation >20' To 25', Add	*8.64*	
		For Elevated Installation >25' To 30', Add	*12.09*	
		For Elevated Installation >30' To 35', Add	*13.82*	
		For Elevated Installation >35' To 40', Add	*17.28*	
		For Elevated Installation >40', Add	*19.00*	
26 05 33 13-0537	EA	3-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	63.70	23.04
		For Work In Restricted Working Space, Add	*13.82*	
		For Elevated Installation >10' To 15', Add	*4.61*	
		For Elevated Installation >15' To 20', Add	*9.21*	
		For Elevated Installation >20' To 25', Add	*11.52*	
		For Elevated Installation >25' To 30', Add	*16.12*	
		For Elevated Installation >30' To 35', Add	*18.43*	
		For Elevated Installation >35' To 40', Add	*23.04*	
		For Elevated Installation >40', Add	*25.34*	
26 05 33 13-0538	EA	4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	77.52	28.79
		For Work In Restricted Working Space, Add	*17.28*	
		For Elevated Installation >10' To 15', Add	*5.76*	
		For Elevated Installation >15' To 20', Add	*11.52*	
		For Elevated Installation >20' To 25', Add	*14.40*	
		For Elevated Installation >25' To 30', Add	*20.16*	
		For Elevated Installation >30' To 35', Add	*23.04*	
		For Elevated Installation >35' To 40', Add	*28.80*	
		For Elevated Installation >40', Add	*31.67*	

26 05 33 13-0539 Rigid Galvanized Steel (RGS) Threadless Compression Connectors *(26 05 33 13-0060)*

26 05 33 13-0540	EA	1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	24.52	10.37
		For Work In Restricted Working Space, Add	*6.22*	
		For Elevated Installation >10' To 15', Add	*2.07*	
		For Elevated Installation >15' To 20', Add	*4.15*	
		For Elevated Installation >20' To 25', Add	*5.18*	
		For Elevated Installation >25' To 30', Add	*7.26*	
		For Elevated Installation >30' To 35', Add	*8.29*	
		For Elevated Installation >35' To 40', Add	*10.37*	
		For Elevated Installation >40', Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0541	EA	3/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	29.15	11.52
		For Work In Restricted Working Space, Add	*6.91*	
		For Elevated Installation >10' To 15', Add	*2.30*	
		For Elevated Installation >15' To 20', Add	*4.61*	
		For Elevated Installation >20' To 25', Add	*5.76*	
		For Elevated Installation >25' To 30', Add	*8.06*	
		For Elevated Installation >30' To 35', Add	*9.22*	
		For Elevated Installation >35' To 40', Add	*11.52*	
		For Elevated Installation >40', Add	*12.67*	
26 05 33 13-0542	EA	1" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	38.33	14.40
		For Work In Restricted Working Space, Add	*8.64*	
		For Elevated Installation >10' To 15', Add	*2.88*	
		For Elevated Installation >15' To 20', Add	*5.76*	
		For Elevated Installation >20' To 25', Add	*7.20*	
		For Elevated Installation >25' To 30', Add	*10.08*	
		For Elevated Installation >30' To 35', Add	*11.52*	
		For Elevated Installation >35' To 40', Add	*14.40*	
		For Elevated Installation >40', Add	*15.83*	
26 05 33 13-0543	EA	1-1/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	52.51	17.27
		For Work In Restricted Working Space, Add	*10.37*	
		For Elevated Installation >10' To 15', Add	*3.46*	
		For Elevated Installation >15' To 20', Add	*6.91*	
		For Elevated Installation >20' To 25', Add	*8.64*	
		For Elevated Installation >25' To 30', Add	*12.09*	
		For Elevated Installation >30' To 35', Add	*13.82*	
		For Elevated Installation >35' To 40', Add	*17.28*	
		For Elevated Installation >40', Add	*19.00*	
26 05 33 13-0544	EA	1-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	70.95	23.04
		For Work In Restricted Working Space, Add	*13.82*	
		For Elevated Installation >10' To 15', Add	*4.61*	
		For Elevated Installation >15' To 20', Add	*9.21*	
		For Elevated Installation >20' To 25', Add	*11.52*	
		For Elevated Installation >25' To 30', Add	*16.12*	
		For Elevated Installation >30' To 35', Add	*18.43*	
		For Elevated Installation >35' To 40', Add	*23.04*	
		For Elevated Installation >40', Add	*25.34*	
26 05 33 13-0545	EA	2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	105.32	28.79
		For Work In Restricted Working Space, Add	*17.28*	
		For Elevated Installation >10' To 15', Add	*5.76*	
		For Elevated Installation >15' To 20', Add	*11.52*	
		For Elevated Installation >20' To 25', Add	*14.40*	
		For Elevated Installation >25' To 30', Add	*20.16*	
		For Elevated Installation >30' To 35', Add	*23.04*	
		For Elevated Installation >35' To 40', Add	*28.80*	
		For Elevated Installation >40', Add	*31.67*	
26 05 33 13-0546	EA	2-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	179.21	34.55
		For Work In Restricted Working Space, Add	*20.73*	
		For Elevated Installation >10' To 15', Add	*6.91*	
		For Elevated Installation >15' To 20', Add	*13.82*	
		For Elevated Installation >20' To 25', Add	*17.28*	
		For Elevated Installation >25' To 30', Add	*24.19*	
		For Elevated Installation >30' To 35', Add	*27.64*	
		For Elevated Installation >35' To 40', Add	*34.56*	
		For Elevated Installation >40', Add	*38.01*	
26 05 33 13-0547	EA	3" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	226.60	40.31
		For Work In Restricted Working Space, Add	*24.19*	
		For Elevated Installation >10' To 15', Add	*8.06*	
		For Elevated Installation >15' To 20', Add	*16.13*	
		For Elevated Installation >20' To 25', Add	*20.16*	
		For Elevated Installation >25' To 30', Add	*28.22*	
		For Elevated Installation >30' To 35', Add	*32.25*	
		For Elevated Installation >35' To 40', Add	*40.32*	
		For Elevated Installation >40', Add	*44.35*	
26 05 33 13-0548	EA	3-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	288.66	48.95
		For Work In Restricted Working Space, Add	*29.37*	
		For Elevated Installation >10' To 15', Add	*9.79*	
		For Elevated Installation >15' To 20', Add	*19.58*	
		For Elevated Installation >20' To 25', Add	*24.48*	
		For Elevated Installation >25' To 30', Add	*34.27*	
		For Elevated Installation >30' To 35', Add	*39.16*	
		For Elevated Installation >35' To 40', Add	*48.95*	
		For Elevated Installation >40', Add	*53.85*	
26 05 33 13-0549	EA	4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	348.71	57.59
		For Work In Restricted Working Space, Add	*34.55*	
		For Elevated Installation >10' To 15', Add	*11.52*	
		For Elevated Installation >15' To 20', Add	*23.04*	
		For Elevated Installation >20' To 25', Add	*28.80*	
		For Elevated Installation >25' To 30', Add	*40.31*	
		For Elevated Installation >30' To 35', Add	*46.07*	
		For Elevated Installation >35' To 40', Add	*57.59*	
		For Elevated Installation >40', Add	*63.35*	

26 05 33 13-0550 Rigid Galvanized Steel (RGS) Compression Coupling *(26 05 33 13-0060)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0551	EA	1/2" Rigid Galvanized Steel (RGS) Compression Coupling	34.91	14.40
		For Work In Restricted Working Space, Add	*8.64*	
		For Elevated Installation >10' To 15', Add	*2.88*	
		For Elevated Installation >15' To 20', Add	*5.76*	
		For Elevated Installation >20' To 25', Add	*7.20*	
		For Elevated Installation >25' To 30', Add	*10.08*	
		For Elevated Installation >30' To 35', Add	*11.52*	
		For Elevated Installation >35' To 40', Add	*14.40*	
		For Elevated Installation >40', Add	*15.83*	
26 05 33 13-0552	EA	3/4" Rigid Galvanized Steel (RGS) Compression Coupling	44.37	17.27
		For Work In Restricted Working Space, Add	*10.37*	
		For Elevated Installation >10' To 15', Add	*3.46*	
		For Elevated Installation >15' To 20', Add	*6.91*	
		For Elevated Installation >20' To 25', Add	*8.64*	
		For Elevated Installation >25' To 30', Add	*12.09*	
		For Elevated Installation >30' To 35', Add	*13.82*	
		For Elevated Installation >35' To 40', Add	*17.28*	
		For Elevated Installation >40', Add	*19.00*	
26 05 33 13-0553	EA	1" Rigid Galvanized Steel (RGS) Compression Coupling	63.20	23.04
		For Work In Restricted Working Space, Add	*13.82*	
		For Elevated Installation >10' To 15', Add	*4.61*	
		For Elevated Installation >15' To 20', Add	*9.21*	
		For Elevated Installation >20' To 25', Add	*11.52*	
		For Elevated Installation >25' To 30', Add	*16.12*	
		For Elevated Installation >30' To 35', Add	*18.43*	
		For Elevated Installation >35' To 40', Add	*23.04*	
		For Elevated Installation >40', Add	*25.34*	
26 05 33 13-0554	EA	1-1/4" Rigid Galvanized Steel (RGS) Compression Coupling	82.94	28.79
		For Work In Restricted Working Space, Add	*17.28*	
		For Elevated Installation >10' To 15', Add	*5.76*	
		For Elevated Installation >15' To 20', Add	*11.52*	
		For Elevated Installation >20' To 25', Add	*14.40*	
		For Elevated Installation >25' To 30', Add	*20.16*	
		For Elevated Installation >30' To 35', Add	*23.04*	
		For Elevated Installation >35' To 40', Add	*28.80*	
		For Elevated Installation >40', Add	*31.67*	
26 05 33 13-0555	EA	1-1/2" Rigid Galvanized Steel (RGS) Compression Coupling	102.11	34.55
		For Work In Restricted Working Space, Add	*20.73*	
		For Elevated Installation >10' To 15', Add	*6.91*	
		For Elevated Installation >15' To 20', Add	*13.82*	
		For Elevated Installation >20' To 25', Add	*17.28*	
		For Elevated Installation >25' To 30', Add	*24.19*	
		For Elevated Installation >30' To 35', Add	*27.64*	
		For Elevated Installation >35' To 40', Add	*34.56*	
		For Elevated Installation >40', Add	*38.01*	
26 05 33 13-0556	EA	2" Rigid Galvanized Steel (RGS) Compression Coupling	152.81	40.31
		For Work In Restricted Working Space, Add	*24.19*	
		For Elevated Installation >10' To 15', Add	*8.06*	
		For Elevated Installation >15' To 20', Add	*16.13*	
		For Elevated Installation >20' To 25', Add	*20.16*	
		For Elevated Installation >25' To 30', Add	*28.22*	
		For Elevated Installation >30' To 35', Add	*32.25*	
		For Elevated Installation >35' To 40', Add	*40.32*	
		For Elevated Installation >40', Add	*44.35*	
26 05 33 13-0557	EA	2-1/2" Rigid Galvanized Steel (RGS) Compression Coupling	244.18	46.07
		For Work In Restricted Working Space, Add	*27.64*	
		For Elevated Installation >10' To 15', Add	*9.21*	
		For Elevated Installation >15' To 20', Add	*18.43*	
		For Elevated Installation >20' To 25', Add	*23.04*	
		For Elevated Installation >25' To 30', Add	*32.25*	
		For Elevated Installation >30' To 35', Add	*36.86*	
		For Elevated Installation >35' To 40', Add	*46.07*	
		For Elevated Installation >40', Add	*50.68*	
26 05 33 13-0558	EA	3" Rigid Galvanized Steel (RGS) Compression Coupling	280.91	39.74
		For Work In Restricted Working Space, Add	*23.84*	
		For Elevated Installation >10' To 15', Add	*7.95*	
		For Elevated Installation >15' To 20', Add	*15.89*	
		For Elevated Installation >20' To 25', Add	*19.87*	
		For Elevated Installation >25' To 30', Add	*27.81*	
		For Elevated Installation >30' To 35', Add	*31.79*	
		For Elevated Installation >35' To 40', Add	*39.74*	
		For Elevated Installation >40', Add	*43.71*	
26 05 33 13-0559	EA	3-1/2" Rigid Galvanized Steel (RGS) Compression Coupling	386.12	60.47
		For Work In Restricted Working Space, Add	*36.28*	
		For Elevated Installation >10' To 15', Add	*12.09*	
		For Elevated Installation >15' To 20', Add	*24.19*	
		For Elevated Installation >20' To 25', Add	*30.24*	
		For Elevated Installation >25' To 30', Add	*42.33*	
		For Elevated Installation >30' To 35', Add	*48.38*	
		For Elevated Installation >35' To 40', Add	*60.47*	
		For Elevated Installation >40', Add	*66.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0560	EA	4" Rigid Galvanized Steel (RGS) Compression Coupling	477.53	69.11
		For Work In Restricted Working Space, Add	*41.47*	
		For Elevated Installation >10' To 15', Add	*13.82*	
		For Elevated Installation >15' To 20', Add	*27.64*	
		For Elevated Installation >20' To 25', Add	*34.56*	
		For Elevated Installation >25' To 30', Add	*48.38*	
		For Elevated Installation >30' To 35', Add	*55.29*	
		For Elevated Installation >35' To 40', Add	*69.11*	
		For Elevated Installation >40', Add	*76.02*	

26 05 33 13-0561 Zinc Plated Steel Snap-in Knock Out Seal *(26 05 33 13-0060)*

26 05 33 13-0562	EA	1/2" Zinc Plated Steel Snap-in Knock Out Seal	6.04	2.88
		For Work In Restricted Working Space, Add	*1.73*	
		For Elevated Installation >10' To 15', Add	*0.58*	
		For Elevated Installation >15' To 20', Add	*1.15*	
		For Elevated Installation >20' To 25', Add	*1.44*	
		For Elevated Installation >25' To 30', Add	*2.01*	
		For Elevated Installation >30' To 35', Add	*2.30*	
		For Elevated Installation >35' To 40', Add	*2.88*	
		For Elevated Installation >40', Add	*3.16*	
26 05 33 13-0563	EA	3/4" Zinc Plated Steel Snap-in Knock Out Seal	7.29	3.46
		For Work In Restricted Working Space, Add	*2.07*	
		For Elevated Installation >10' To 15', Add	*0.69*	
		For Elevated Installation >15' To 20', Add	*1.38*	
		For Elevated Installation >20' To 25', Add	*1.73*	
		For Elevated Installation >25' To 30', Add	*2.42*	
		For Elevated Installation >30' To 35', Add	*2.76*	
		For Elevated Installation >35' To 40', Add	*3.46*	
		For Elevated Installation >40', Add	*3.80*	
26 05 33 13-0564	EA	1" Zinc Plated Steel Snap-in Knock Out Seal	8.66	4.03
		For Work In Restricted Working Space, Add	*2.42*	
		For Elevated Installation >10' To 15', Add	*0.81*	
		For Elevated Installation >15' To 20', Add	*1.61*	
		For Elevated Installation >20' To 25', Add	*2.02*	
		For Elevated Installation >25' To 30', Add	*2.82*	
		For Elevated Installation >30' To 35', Add	*3.22*	
		For Elevated Installation >35' To 40', Add	*4.03*	
		For Elevated Installation >40', Add	*4.43*	
26 05 33 13-0565	EA	1-1/4" Zinc Plated Steel Snap-in Knock Out Seal	11.16	5.18
		For Work In Restricted Working Space, Add	*3.11*	
		For Elevated Installation >10' To 15', Add	*1.04*	
		For Elevated Installation >15' To 20', Add	*2.07*	
		For Elevated Installation >20' To 25', Add	*2.59*	
		For Elevated Installation >25' To 30', Add	*3.63*	
		For Elevated Installation >30' To 35', Add	*4.15*	
		For Elevated Installation >35' To 40', Add	*5.19*	
		For Elevated Installation >40', Add	*5.70*	
26 05 33 13-0566	EA	1-1/2" Zinc Plated Steel Snap-in Knock Out Seal	12.62	5.75
		For Work In Restricted Working Space, Add	*3.46*	
		For Elevated Installation >10' To 15', Add	*1.15*	
		For Elevated Installation >15' To 20', Add	*2.30*	
		For Elevated Installation >20' To 25', Add	*2.88*	
		For Elevated Installation >25' To 30', Add	*4.03*	
		For Elevated Installation >30' To 35', Add	*4.61*	
		For Elevated Installation >35' To 40', Add	*5.76*	
		For Elevated Installation >40', Add	*6.34*	
26 05 33 13-0567	EA	2" Zinc Plated Steel Snap-in Knock Out Seal	15.36	6.91
		For Work In Restricted Working Space, Add	*4.15*	
		For Elevated Installation >10' To 15', Add	*1.38*	
		For Elevated Installation >15' To 20', Add	*2.76*	
		For Elevated Installation >20' To 25', Add	*3.46*	
		For Elevated Installation >25' To 30', Add	*4.84*	
		For Elevated Installation >30' To 35', Add	*5.53*	
		For Elevated Installation >35' To 40', Add	*6.91*	
		For Elevated Installation >40', Add	*7.60*	

26 05 33 13-0568 Zinc Plated Steel 3-Piece Knock Out Seal *(26 05 33 13-0060)*

26 05 33 13-0569	EA	1/2" Zinc Plated Steel 3-Piece Knock Out Seal	7.48	2.88
		For Work In Restricted Working Space, Add	*1.73*	
		For Elevated Installation >10' To 15', Add	*0.58*	
		For Elevated Installation >15' To 20', Add	*1.15*	
		For Elevated Installation >20' To 25', Add	*1.44*	
		For Elevated Installation >25' To 30', Add	*2.01*	
		For Elevated Installation >30' To 35', Add	*2.30*	
		For Elevated Installation >35' To 40', Add	*2.88*	
		For Elevated Installation >40', Add	*3.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0570	EA	3/4" Zinc Plated Steel 3-Piece Knock Out Seal	8.92	3.46
		For Work In Restricted Working Space, Add	*2.07*	
		For Elevated Installation >10' To 15', Add	*0.69*	
		For Elevated Installation >15' To 20', Add	*1.38*	
		For Elevated Installation >20' To 25', Add	*1.73*	
		For Elevated Installation >25' To 30', Add	*2.42*	
		For Elevated Installation >30' To 35', Add	*2.76*	
		For Elevated Installation >35' To 40', Add	*3.46*	
		For Elevated Installation >40', Add	*3.80*	
26 05 33 13-0571	EA	1" Zinc Plated Steel 3-Piece Knock Out Seal	10.84	4.03
		For Work In Restricted Working Space, Add	*2.42*	
		For Elevated Installation >10' To 15', Add	*0.81*	
		For Elevated Installation >15' To 20', Add	*1.61*	
		For Elevated Installation >20' To 25', Add	*2.02*	
		For Elevated Installation >25' To 30', Add	*2.82*	
		For Elevated Installation >30' To 35', Add	*3.22*	
		For Elevated Installation >35' To 40', Add	*4.03*	
		For Elevated Installation >40', Add	*4.43*	
26 05 33 13-0572	EA	1-1/4" Zinc Plated Steel 3-Piece Knock Out Seal	13.94	5.18
		For Work In Restricted Working Space, Add	*3.11*	
		For Elevated Installation >10' To 15', Add	*1.04*	
		For Elevated Installation >15' To 20', Add	*2.07*	
		For Elevated Installation >20' To 25', Add	*2.59*	
		For Elevated Installation >25' To 30', Add	*3.63*	
		For Elevated Installation >30' To 35', Add	*4.15*	
		For Elevated Installation >35' To 40', Add	*5.19*	
		For Elevated Installation >40', Add	*5.70*	
26 05 33 13-0573	EA	1-1/2" Zinc Plated Steel 3-Piece Knock Out Seal	17.22	5.75
		For Work In Restricted Working Space, Add	*3.46*	
		For Elevated Installation >10' To 15', Add	*1.15*	
		For Elevated Installation >15' To 20', Add	*2.30*	
		For Elevated Installation >20' To 25', Add	*2.88*	
		For Elevated Installation >25' To 30', Add	*4.03*	
		For Elevated Installation >30' To 35', Add	*4.61*	
		For Elevated Installation >35' To 40', Add	*5.76*	
		For Elevated Installation >40', Add	*6.34*	
26 05 33 13-0574	EA	2" Zinc Plated Steel 3-Piece Knock Out Seal	20.83	6.91
		For Work In Restricted Working Space, Add	*4.15*	
		For Elevated Installation >10' To 15', Add	*1.38*	
		For Elevated Installation >15' To 20', Add	*2.76*	
		For Elevated Installation >20' To 25', Add	*3.46*	
		For Elevated Installation >25' To 30', Add	*4.84*	
		For Elevated Installation >30' To 35', Add	*5.53*	
		For Elevated Installation >35' To 40', Add	*6.91*	
		For Elevated Installation >40', Add	*7.60*	
26 05 33 13-0575	EA	2-1/2" Zinc Plated Steel 3-Piece Knock Out Seal	25.53	8.64
		For Work In Restricted Working Space, Add	*5.18*	
		For Elevated Installation >10' To 15', Add	*1.73*	
		For Elevated Installation >15' To 20', Add	*3.45*	
		For Elevated Installation >20' To 25', Add	*4.32*	
		For Elevated Installation >25' To 30', Add	*6.04*	
		For Elevated Installation >30' To 35', Add	*6.91*	
		For Elevated Installation >35' To 40', Add	*8.64*	
		For Elevated Installation >40', Add	*9.50*	
26 05 33 13-0576	EA	3" Zinc Plated Steel 3-Piece Knock Out Seal	29.89	9.79
		For Work In Restricted Working Space, Add	*5.87*	
		For Elevated Installation >10' To 15', Add	*1.96*	
		For Elevated Installation >15' To 20', Add	*3.92*	
		For Elevated Installation >20' To 25', Add	*4.90*	
		For Elevated Installation >25' To 30', Add	*6.85*	
		For Elevated Installation >30' To 35', Add	*7.83*	
		For Elevated Installation >35' To 40', Add	*9.79*	
		For Elevated Installation >40', Add	*10.77*	
26 05 33 13-0577	EA	3-1/2" Zinc Plated Steel 3-Piece Knock Out Seal	36.40	10.95
		For Work In Restricted Working Space, Add	*6.56*	
		For Elevated Installation >10' To 15', Add	*2.19*	
		For Elevated Installation >15' To 20', Add	*4.38*	
		For Elevated Installation >20' To 25', Add	*5.47*	
		For Elevated Installation >25' To 30', Add	*7.66*	
		For Elevated Installation >30' To 35', Add	*8.75*	
		For Elevated Installation >35' To 40', Add	*10.94*	
		For Elevated Installation >40', Add	*12.03*	
26 05 33 13-0578	EA	4" Zinc Plated Steel 3-Piece Knock Out Seal	42.82	12.09
		For Work In Restricted Working Space, Add	*7.26*	
		For Elevated Installation >10' To 15', Add	*2.42*	
		For Elevated Installation >15' To 20', Add	*4.84*	
		For Elevated Installation >20' To 25', Add	*6.05*	
		For Elevated Installation >25' To 30', Add	*8.47*	
		For Elevated Installation >30' To 35', Add	*9.68*	
		For Elevated Installation >35' To 40', Add	*12.10*	
		For Elevated Installation >40', Add	*13.30*	

26 05 33 13-0579 Rigid Galvanized Steel (RGS) Chase Nipples *(26 05 33 13-0060)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0580	EA	1/2" Rigid Galvanized Steel (RGS) Chase Nipple	14.26	6.91
		For Work In Restricted Working Space, Add	*4.15*	
		For Elevated Installation >10' To 15', Add	*1.38*	
		For Elevated Installation >15' To 20', Add	*2.76*	
		For Elevated Installation >20' To 25', Add	*3.46*	
		For Elevated Installation >25' To 30', Add	*4.84*	
		For Elevated Installation >30' To 35', Add	*5.53*	
		For Elevated Installation >35' To 40', Add	*6.91*	
		For Elevated Installation >40', Add	*7.60*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.15*	
26 05 33 13-0581	EA	3/4" Rigid Galvanized Steel (RGS) Chase Nipple	16.87	8.06
		For Work In Restricted Working Space, Add	*4.84*	
		For Elevated Installation >10' To 15', Add	*1.61*	
		For Elevated Installation >15' To 20', Add	*3.23*	
		For Elevated Installation >20' To 25', Add	*4.03*	
		For Elevated Installation >25' To 30', Add	*5.65*	
		For Elevated Installation >30' To 35', Add	*6.45*	
		For Elevated Installation >35' To 40', Add	*8.07*	
		For Elevated Installation >40', Add	*8.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.84*	
26 05 33 13-0582	EA	1" Rigid Galvanized Steel (RGS) Chase Nipple	21.19	9.79
		For Work In Restricted Working Space, Add	*5.87*	
		For Elevated Installation >10' To 15', Add	*1.96*	
		For Elevated Installation >15' To 20', Add	*3.92*	
		For Elevated Installation >20' To 25', Add	*4.90*	
		For Elevated Installation >25' To 30', Add	*6.85*	
		For Elevated Installation >30' To 35', Add	*7.83*	
		For Elevated Installation >35' To 40', Add	*9.79*	
		For Elevated Installation >40', Add	*10.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.87*	
26 05 33 13-0583	EA	1-1/4" Rigid Galvanized Steel (RGS) Chase Nipple	25.84	11.52
		For Work In Restricted Working Space, Add	*6.91*	
		For Elevated Installation >10' To 15', Add	*2.30*	
		For Elevated Installation >15' To 20', Add	*4.61*	
		For Elevated Installation >20' To 25', Add	*5.76*	
		For Elevated Installation >25' To 30', Add	*8.06*	
		For Elevated Installation >30' To 35', Add	*9.22*	
		For Elevated Installation >35' To 40', Add	*11.52*	
		For Elevated Installation >40', Add	*12.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.91*	
26 05 33 13-0584	EA	1-1/2" Rigid Galvanized Steel (RGS) Chase Nipple	32.39	14.40
		For Work In Restricted Working Space, Add	*8.64*	
		For Elevated Installation >10' To 15', Add	*2.88*	
		For Elevated Installation >15' To 20', Add	*5.76*	
		For Elevated Installation >20' To 25', Add	*7.20*	
		For Elevated Installation >25' To 30', Add	*10.08*	
		For Elevated Installation >30' To 35', Add	*11.52*	
		For Elevated Installation >35' To 40', Add	*14.40*	
		For Elevated Installation >40', Add	*15.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.64*	
26 05 33 13-0585	EA	2" Rigid Galvanized Steel (RGS) Chase Nipple	40.40	17.27
		For Work In Restricted Working Space, Add	*10.37*	
		For Elevated Installation >10' To 15', Add	*3.46*	
		For Elevated Installation >15' To 20', Add	*6.91*	
		For Elevated Installation >20' To 25', Add	*8.64*	
		For Elevated Installation >25' To 30', Add	*12.09*	
		For Elevated Installation >30' To 35', Add	*13.82*	
		For Elevated Installation >35' To 40', Add	*17.28*	
		For Elevated Installation >40', Add	*19.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.37*	
26 05 33 13-0586	EA	2-1/2" Rigid Galvanized Steel (RGS) Chase Nipple	51.43	20.16
		For Work In Restricted Working Space, Add	*12.09*	
		For Elevated Installation >10' To 15', Add	*4.03*	
		For Elevated Installation >15' To 20', Add	*8.06*	
		For Elevated Installation >20' To 25', Add	*10.08*	
		For Elevated Installation >25' To 30', Add	*14.11*	
		For Elevated Installation >30' To 35', Add	*16.12*	
		For Elevated Installation >35' To 40', Add	*20.16*	
		For Elevated Installation >40', Add	*22.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.09*	
26 05 33 13-0587	EA	3" Rigid Galvanized Steel (RGS) Chase Nipple	57.48	23.04
		For Work In Restricted Working Space, Add	*13.82*	
		For Elevated Installation >10' To 15', Add	*4.61*	
		For Elevated Installation >15' To 20', Add	*9.21*	
		For Elevated Installation >20' To 25', Add	*11.52*	
		For Elevated Installation >25' To 30', Add	*16.12*	
		For Elevated Installation >30' To 35', Add	*18.43*	
		For Elevated Installation >35' To 40', Add	*23.04*	
		For Elevated Installation >40', Add	*25.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0588	EA	3-1/2" Rigid Galvanized Steel (RGS) Chase Nipple	72.00	25.91
		For Work In Restricted Working Space, Add	*15.55*	
		For Elevated Installation >10' To 15', Add	*5.18*	
		For Elevated Installation >15' To 20', Add	*10.37*	
		For Elevated Installation >20' To 25', Add	*12.96*	
		For Elevated Installation >25' To 30', Add	*18.14*	
		For Elevated Installation >30' To 35', Add	*20.73*	
		For Elevated Installation >35' To 40', Add	*25.92*	
		For Elevated Installation >40', Add	*28.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.55*	
26 05 33 13-0589	EA	4" Rigid Galvanized Steel (RGS) Chase Nipple	99.85	28.79
		For Work In Restricted Working Space, Add	*17.28*	
		For Elevated Installation >10' To 15', Add	*5.76*	
		For Elevated Installation >15' To 20', Add	*11.52*	
		For Elevated Installation >20' To 25', Add	*14.40*	
		For Elevated Installation >25' To 30', Add	*20.16*	
		For Elevated Installation >30' To 35', Add	*23.04*	
		For Elevated Installation >35' To 40', Add	*28.80*	
		For Elevated Installation >40', Add	*31.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.28*	

26 05 33 13-0590 Rigid Galvanized Steel (RGS) Pulling Elbow *(26 05 33 13-0060)*

26 05 33 13-0591	EA	1/2" Rigid Galvanized Steel (RGS) Pulling Elbow	28.40	10.37
		For Work In Restricted Working Space, Add	*6.22*	
		For Elevated Installation >10' To 15', Add	*2.07*	
		For Elevated Installation >15' To 20', Add	*4.15*	
		For Elevated Installation >20' To 25', Add	*5.18*	
		For Elevated Installation >25' To 30', Add	*7.26*	
		For Elevated Installation >30' To 35', Add	*8.29*	
		For Elevated Installation >35' To 40', Add	*10.37*	
		For Elevated Installation >40', Add	*11.40*	
26 05 33 13-0592	EA	3/4" Rigid Galvanized Steel (RGS) Pulling Elbow	32.99	12.09
		For Work In Restricted Working Space, Add	*7.26*	
		For Elevated Installation >10' To 15', Add	*2.42*	
		For Elevated Installation >15' To 20', Add	*4.84*	
		For Elevated Installation >20' To 25', Add	*6.05*	
		For Elevated Installation >25' To 30', Add	*8.47*	
		For Elevated Installation >30' To 35', Add	*9.68*	
		For Elevated Installation >35' To 40', Add	*12.10*	
		For Elevated Installation >40', Add	*13.30*	
26 05 33 13-0593	EA	1" Rigid Galvanized Steel (RGS) Pulling Elbow	42.26	13.82
		For Work In Restricted Working Space, Add	*8.30*	
		For Elevated Installation >10' To 15', Add	*2.77*	
		For Elevated Installation >15' To 20', Add	*5.53*	
		For Elevated Installation >20' To 25', Add	*6.91*	
		For Elevated Installation >25' To 30', Add	*9.68*	
		For Elevated Installation >30' To 35', Add	*11.06*	
		For Elevated Installation >35' To 40', Add	*13.83*	
		For Elevated Installation >40', Add	*15.21*	
26 05 33 13-0594	EA	1-1/4" Rigid Galvanized Steel (RGS) Pulling Elbow	54.22	17.27
		For Work In Restricted Working Space, Add	*10.37*	
		For Elevated Installation >10' To 15', Add	*3.46*	
		For Elevated Installation >15' To 20', Add	*6.91*	
		For Elevated Installation >20' To 25', Add	*8.64*	
		For Elevated Installation >25' To 30', Add	*12.09*	
		For Elevated Installation >30' To 35', Add	*13.82*	
		For Elevated Installation >35' To 40', Add	*17.28*	
		For Elevated Installation >40', Add	*19.00*	
26 05 33 13-0595	EA	1-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow	72.69	20.73
		For Work In Restricted Working Space, Add	*12.44*	
		For Elevated Installation >10' To 15', Add	*4.15*	
		For Elevated Installation >15' To 20', Add	*8.29*	
		For Elevated Installation >20' To 25', Add	*10.37*	
		For Elevated Installation >25' To 30', Add	*14.51*	
		For Elevated Installation >30' To 35', Add	*16.58*	
		For Elevated Installation >35' To 40', Add	*20.73*	
		For Elevated Installation >40', Add	*22.80*	
26 05 33 13-0596	EA	2" Rigid Galvanized Steel (RGS) Pulling Elbow	97.81	24.19
		For Work In Restricted Working Space, Add	*14.51*	
		For Elevated Installation >10' To 15', Add	*4.84*	
		For Elevated Installation >15' To 20', Add	*9.68*	
		For Elevated Installation >20' To 25', Add	*12.10*	
		For Elevated Installation >25' To 30', Add	*16.93*	
		For Elevated Installation >30' To 35', Add	*19.35*	
		For Elevated Installation >35' To 40', Add	*24.19*	
		For Elevated Installation >40', Add	*26.61*	
26 05 33 13-0597	EA	2-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow	136.89	27.65
		For Work In Restricted Working Space, Add	*16.59*	
		For Elevated Installation >10' To 15', Add	*5.53*	
		For Elevated Installation >15' To 20', Add	*11.06*	
		For Elevated Installation >20' To 25', Add	*13.82*	
		For Elevated Installation >25' To 30', Add	*19.35*	
		For Elevated Installation >30' To 35', Add	*22.12*	
		For Elevated Installation >35' To 40', Add	*27.65*	
		For Elevated Installation >40', Add	*30.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0598	EA	3" Rigid Galvanized Steel (RGS) Pulling Elbow	241.97	34.55
		For Work In Restricted Working Space, Add	*20.73*	
		For Elevated Installation >10' To 15', Add	*6.91*	
		For Elevated Installation >15' To 20', Add	*13.82*	
		For Elevated Installation >20' To 25', Add	*17.28*	
		For Elevated Installation >25' To 30', Add	*24.19*	
		For Elevated Installation >30' To 35', Add	*27.64*	
		For Elevated Installation >35' To 40', Add	*34.56*	
		For Elevated Installation >40', Add	*38.01*	

26 05 33 13-0599 Electrical Metallic Tubing (EMT) Thinwall Conduit *(26 05 33 13-0059)*

Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

26 05 33 13-0600 Electrical Metallic Tubing (EMT) Thinwall Conduit *(26 05 33 13-0599)*

Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-2319 for field bending >1".

26 05 33 13-0601	LF	1/2" Electrical Metallic Tubing (EMT) Conduit	5.95	2.08
		For >250 To 500, Deduct	*-0.04*	
		For >500 To 1,000, Deduct	*-0.32*	
		For >1,000, Deduct	*-0.47*	
		For Installation In Metal Stud Wall, Add	*0.52*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.30*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.78*	
		For Work In Restricted Working Space, Add	*1.55*	
		For Elevated Installation >10' To 15', Add	*0.52*	
		For Elevated Installation >15' To 20', Add	*1.04*	
		For Elevated Installation >20' To 25', Add	*1.30*	
		For Elevated Installation >25' To 30', Add	*1.81*	
		For Elevated Installation >30' To 35', Add	*2.07*	
		For Elevated Installation >35' To 40', Add	*2.59*	
		For Elevated Installation >40', Add	*2.85*	
		For Factory Applied Color Coating, Add	*0.23*	
26 05 33 13-0602	LF	3/4" Electrical Metallic Tubing (EMT) Conduit	6.96	2.31
		For >250 To 500, Deduct	*-0.06*	
		For >500 To 1,000, Deduct	*-0.38*	
		For >1,000, Deduct	*-0.55*	
		For Installation In Metal Stud Wall, Add	*0.58*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.44*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.86*	
		For Work In Restricted Working Space, Add	*1.73*	
		For Elevated Installation >10' To 15', Add	*0.58*	
		For Elevated Installation >15' To 20', Add	*1.15*	
		For Elevated Installation >20' To 25', Add	*1.44*	
		For Elevated Installation >25' To 30', Add	*2.01*	
		For Elevated Installation >30' To 35', Add	*2.30*	
		For Elevated Installation >35' To 40', Add	*2.88*	
		For Elevated Installation >40', Add	*3.16*	
		For Factory Applied Color Coating, Add	*0.36*	
26 05 33 13-0603	LF	1" Electrical Metallic Tubing (EMT) Conduit	8.35	2.54
		For >250 To 500, Deduct	*-0.10*	
		For >500 To 1,000, Deduct	*-0.47*	
		For >1,000, Deduct	*-0.68*	
		For Installation In Metal Stud Wall, Add	*0.63*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.59*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.95*	
		For Work In Restricted Working Space, Add	*1.90*	
		For Elevated Installation >10' To 15', Add	*0.63*	
		For Elevated Installation >15' To 20', Add	*1.27*	
		For Elevated Installation >20' To 25', Add	*1.59*	
		For Elevated Installation >25' To 30', Add	*2.22*	
		For Elevated Installation >30' To 35', Add	*2.54*	
		For Elevated Installation >35' To 40', Add	*3.17*	
		For Elevated Installation >40', Add	*3.49*	
		For Factory Applied Color Coating, Add	*0.60*	
26 05 33 13-0604	LF	1-1/4" Electrical Metallic Tubing (EMT) Conduit	10.32	2.86
		For >250 To 500, Deduct	*-0.16*	
		For >500 To 1,000, Deduct	*-0.60*	
		For >1,000, Deduct	*-0.85*	
		For Installation In Metal Stud Wall, Add	*0.71*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.79*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.07*	
		For Work In Restricted Working Space, Add	*2.14*	
		For Elevated Installation >10' To 15', Add	*0.71*	
		For Elevated Installation >15' To 20', Add	*1.43*	
		For Elevated Installation >20' To 25', Add	*1.79*	
		For Elevated Installation >25' To 30', Add	*2.50*	
		For Elevated Installation >30' To 35', Add	*2.86*	
		For Elevated Installation >35' To 40', Add	*3.57*	
		For Elevated Installation >40', Add	*3.93*	
		For Factory Applied Color Coating, Add	*0.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0605	LF	1-1/2" Electrical Metallic Tubing (EMT) Conduit	12.01	3.23
		For >250 To 500, Deduct	*-0.20*	
		For >500 To 1,000, Deduct	*-0.70*	
		For >1,000, Deduct	*-1.00*	
		For Installation In Metal Stud Wall, Add	*0.81*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.02*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.21*	
		For Work In Restricted Working Space, Add	*2.42*	
		For Elevated Installation >10' To 15', Add	*0.81*	
		For Elevated Installation >15' To 20', Add	*1.61*	
		For Elevated Installation >20' To 25', Add	*2.02*	
		For Elevated Installation >25' To 30', Add	*2.82*	
		For Elevated Installation >30' To 35', Add	*3.22*	
		For Elevated Installation >35' To 40', Add	*4.03*	
		For Elevated Installation >40', Add	*4.43*	
		For Factory Applied Color Coating, Add	*1.19*	
26 05 33 13-0606	LF	2" Electrical Metallic Tubing (EMT) Conduit	13.90	3.69
		For >250 To 500, Deduct	*-0.23*	
		For >500 To 1,000, Deduct	*-0.81*	
		For >1,000, Deduct	*-1.16*	
		For Installation In Metal Stud Wall, Add	*0.92*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.30*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.38*	
		For Work In Restricted Working Space, Add	*2.76*	
		For Elevated Installation >10' To 15', Add	*0.92*	
		For Elevated Installation >15' To 20', Add	*1.84*	
		For Elevated Installation >20' To 25', Add	*2.30*	
		For Elevated Installation >25' To 30', Add	*3.22*	
		For Elevated Installation >30' To 35', Add	*3.68*	
		For Elevated Installation >35' To 40', Add	*4.61*	
		For Elevated Installation >40', Add	*5.07*	
		For Factory Applied Color Coating, Add	*1.41*	
26 05 33 13-0607	LF	2-1/2" Electrical Metallic Tubing (EMT) Conduit	17.89	4.38
		For >250 To 500, Deduct	*-0.35*	
		For >500 To 1,000, Deduct	*-1.07*	
		For >1,000, Deduct	*-1.52*	
		For Installation In Metal Stud Wall, Add	*1.10*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.74*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.64*	
		For Work In Restricted Working Space, Add	*3.29*	
		For Elevated Installation >10' To 15', Add	*1.10*	
		For Elevated Installation >15' To 20', Add	*2.19*	
		For Elevated Installation >20' To 25', Add	*2.74*	
		For Elevated Installation >25' To 30', Add	*3.83*	
		For Elevated Installation >30' To 35', Add	*4.38*	
		For Elevated Installation >35' To 40', Add	*5.48*	
		For Elevated Installation >40', Add	*6.02*	
		For Factory Applied Color Coating, Add	*2.08*	
26 05 33 13-0608	LF	3" Electrical Metallic Tubing (EMT) Conduit	21.36	5.07
		For >250 To 500, Deduct	*-0.43*	
		For >500 To 1,000, Deduct	*-1.29*	
		For >1,000, Deduct	*-1.82*	
		For Installation In Metal Stud Wall, Add	*1.27*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*3.17*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.90*	
		For Work In Restricted Working Space, Add	*3.80*	
		For Elevated Installation >10' To 15', Add	*1.27*	
		For Elevated Installation >15' To 20', Add	*2.53*	
		For Elevated Installation >20' To 25', Add	*3.17*	
		For Elevated Installation >25' To 30', Add	*4.43*	
		For Elevated Installation >30' To 35', Add	*5.07*	
		For Elevated Installation >35' To 40', Add	*6.34*	
		For Elevated Installation >40', Add	*6.97*	
		For Factory Applied Color Coating, Add	*2.61*	
26 05 33 13-0609	LF	3-1/2" Electrical Metallic Tubing (EMT) Conduit	26.59	5.98
		For >250 To 500, Deduct	*-0.58*	
		For >500 To 1,000, Deduct	*-1.62*	
		For >1,000, Deduct	*-2.28*	
		For Installation In Metal Stud Wall, Add	*1.50*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*3.75*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*2.25*	
		For Work In Restricted Working Space, Add	*4.49*	
		For Elevated Installation >10' To 15', Add	*1.50*	
		For Elevated Installation >15' To 20', Add	*3.00*	
		For Elevated Installation >20' To 25', Add	*3.75*	
		For Elevated Installation >25' To 30', Add	*5.24*	
		For Elevated Installation >30' To 35', Add	*5.99*	
		For Elevated Installation >35' To 40', Add	*7.49*	
		For Elevated Installation >40', Add	*8.24*	
		For Factory Applied Color Coating, Add	*3.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0610	LF	4" Electrical Metallic Tubing (EMT) Conduit	35.39	8.92
		For >250 To 500, Deduct	*-0.65*	
		For >500 To 1,000, Deduct	*-2.10*	
		For >1,000, Deduct	*-2.98*	
		For Installation In Metal Stud Wall, Add	*2.23*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*5.58*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*3.35*	
		For Work In Restricted Working Space, Add	*6.69*	
		For Elevated Installation >10' To 15', Add	*2.23*	
		For Elevated Installation >15' To 20', Add	*4.46*	
		For Elevated Installation >20' To 25', Add	*5.58*	
		For Elevated Installation >25' To 30', Add	*7.81*	
		For Elevated Installation >30' To 35', Add	*8.92*	
		For Elevated Installation >35' To 40', Add	*11.15*	
		For Elevated Installation >40', Add	*12.27*	
		For Factory Applied Color Coating, Add	*3.93*	

26 05 33 13-0611 Electrical Metallic Tubing (EMT) 90 Degree Elbows *(26 05 33 13-0599)*

See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0612	EA	1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow	14.90	5.07
		For Work In Restricted Working Space, Add	*3.80*	
		For Elevated Installation >10' To 15', Add	*1.27*	
		For Elevated Installation >15' To 20', Add	*2.53*	
		For Elevated Installation >20' To 25', Add	*3.17*	
		For Elevated Installation >25' To 30', Add	*4.43*	
		For Elevated Installation >30' To 35', Add	*5.07*	
		For Elevated Installation >35' To 40', Add	*6.34*	
		For Elevated Installation >40', Add	*6.97*	
26 05 33 13-0613	EA	3/4" Electrical Metallic Tubing (EMT) 90 Degree Elbow	15.80	5.53
		For Work In Restricted Working Space, Add	*4.15*	
		For Elevated Installation >10' To 15', Add	*1.38*	
		For Elevated Installation >15' To 20', Add	*2.76*	
		For Elevated Installation >20' To 25', Add	*3.46*	
		For Elevated Installation >25' To 30', Add	*4.84*	
		For Elevated Installation >30' To 35', Add	*5.53*	
		For Elevated Installation >35' To 40', Add	*6.91*	
		For Elevated Installation >40', Add	*7.60*	
26 05 33 13-0614	EA	1" Electrical Metallic Tubing (EMT) 90 Degree Elbow	19.25	6.45
		For Work In Restricted Working Space, Add	*4.84*	
		For Elevated Installation >10' To 15', Add	*1.61*	
		For Elevated Installation >15' To 20', Add	*3.23*	
		For Elevated Installation >20' To 25', Add	*4.03*	
		For Elevated Installation >25' To 30', Add	*5.65*	
		For Elevated Installation >30' To 35', Add	*6.45*	
		For Elevated Installation >35' To 40', Add	*8.07*	
		For Elevated Installation >40', Add	*8.87*	
26 05 33 13-0615	EA	1-1/4" Electrical Metallic Tubing (EMT) 90 Degree Elbow	21.16	6.91
		For Work In Restricted Working Space, Add	*5.18*	
		For Elevated Installation >10' To 15', Add	*1.73*	
		For Elevated Installation >15' To 20', Add	*3.46*	
		For Elevated Installation >20' To 25', Add	*4.32*	
		For Elevated Installation >25' To 30', Add	*6.05*	
		For Elevated Installation >30' To 35', Add	*6.91*	
		For Elevated Installation >35' To 40', Add	*8.64*	
		For Elevated Installation >40', Add	*9.50*	
26 05 33 13-0616	EA	1-1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow	25.09	8.29
		For Work In Restricted Working Space, Add	*6.22*	
		For Elevated Installation >10' To 15', Add	*2.07*	
		For Elevated Installation >15' To 20', Add	*4.15*	
		For Elevated Installation >20' To 25', Add	*5.18*	
		For Elevated Installation >25' To 30', Add	*7.26*	
		For Elevated Installation >30' To 35', Add	*8.29*	
		For Elevated Installation >35' To 40', Add	*10.37*	
		For Elevated Installation >40', Add	*11.40*	
26 05 33 13-0617	EA	2" Electrical Metallic Tubing (EMT) 90 Degree Elbow	32.93	10.60
		For Work In Restricted Working Space, Add	*7.95*	
		For Elevated Installation >10' To 15', Add	*2.65*	
		For Elevated Installation >15' To 20', Add	*5.30*	
		For Elevated Installation >20' To 25', Add	*6.62*	
		For Elevated Installation >25' To 30', Add	*9.27*	
		For Elevated Installation >30' To 35', Add	*10.60*	
		For Elevated Installation >35' To 40', Add	*13.25*	
		For Elevated Installation >40', Add	*14.57*	
26 05 33 13-0618	EA	2-1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow	44.17	11.98
		For Work In Restricted Working Space, Add	*8.98*	
		For Elevated Installation >10' To 15', Add	*2.99*	
		For Elevated Installation >15' To 20', Add	*5.99*	
		For Elevated Installation >20' To 25', Add	*7.49*	
		For Elevated Installation >25' To 30', Add	*10.48*	
		For Elevated Installation >30' To 35', Add	*11.98*	
		For Elevated Installation >35' To 40', Add	*14.97*	
		For Elevated Installation >40', Add	*16.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0619	EA	3" Electrical Metallic Tubing (EMT) 90 Degree Elbow	56.38	13.36
		For Work In Restricted Working Space, Add	*10.02*	
		For Elevated Installation >10' To 15', Add	*3.34*	
		For Elevated Installation >15' To 20', Add	*6.68*	
		For Elevated Installation >20' To 25', Add	*8.35*	
		For Elevated Installation >25' To 30', Add	*11.69*	
		For Elevated Installation >30' To 35', Add	*13.36*	
		For Elevated Installation >35' To 40', Add	*16.70*	
		For Elevated Installation >40', Add	*18.37*	
26 05 33 13-0620	EA	3-1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow	64.05	14.75
		For Work In Restricted Working Space, Add	*11.06*	
		For Elevated Installation >10' To 15', Add	*3.69*	
		For Elevated Installation >15' To 20', Add	*7.37*	
		For Elevated Installation >20' To 25', Add	*9.22*	
		For Elevated Installation >25' To 30', Add	*12.90*	
		For Elevated Installation >30' To 35', Add	*14.74*	
		For Elevated Installation >35' To 40', Add	*18.43*	
		For Elevated Installation >40', Add	*20.27*	
26 05 33 13-0621	EA	4" Electrical Metallic Tubing (EMT) 90 Degree Elbow	134.52	39.03
		For Work In Restricted Working Space, Add	*29.27*	
		For Elevated Installation >10' To 15', Add	*9.76*	
		For Elevated Installation >15' To 20', Add	*19.51*	
		For Elevated Installation >20' To 25', Add	*24.39*	
		For Elevated Installation >25' To 30', Add	*34.15*	
		For Elevated Installation >30' To 35', Add	*39.03*	
		For Elevated Installation >35' To 40', Add	*48.79*	
		For Elevated Installation >40', Add	*53.66*	

26 05 33 13-0622 Electrical Metallic Tubing (EMT) 45 Degree Elbows *(26 05 33 13-0599)*

See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0623	EA	1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow	14.66	5.07
		For Work In Restricted Working Space, Add	*3.80*	
		For Elevated Installation >10' To 15', Add	*1.27*	
		For Elevated Installation >15' To 20', Add	*2.53*	
		For Elevated Installation >20' To 25', Add	*3.17*	
		For Elevated Installation >25' To 30', Add	*4.43*	
		For Elevated Installation >30' To 35', Add	*5.07*	
		For Elevated Installation >35' To 40', Add	*6.34*	
		For Elevated Installation >40', Add	*6.97*	
26 05 33 13-0624	EA	3/4" Electrical Metallic Tubing (EMT) 45 Degree Elbow	15.94	5.53
		For Work In Restricted Working Space, Add	*4.15*	
		For Elevated Installation >10' To 15', Add	*1.38*	
		For Elevated Installation >15' To 20', Add	*2.76*	
		For Elevated Installation >20' To 25', Add	*3.46*	
		For Elevated Installation >25' To 30', Add	*4.84*	
		For Elevated Installation >30' To 35', Add	*5.53*	
		For Elevated Installation >35' To 40', Add	*6.91*	
		For Elevated Installation >40', Add	*7.60*	
26 05 33 13-0625	EA	1" Electrical Metallic Tubing (EMT) 45 Degree Elbow	19.56	6.45
		For Work In Restricted Working Space, Add	*4.84*	
		For Elevated Installation >10' To 15', Add	*1.61*	
		For Elevated Installation >15' To 20', Add	*3.23*	
		For Elevated Installation >20' To 25', Add	*4.03*	
		For Elevated Installation >25' To 30', Add	*5.65*	
		For Elevated Installation >30' To 35', Add	*6.45*	
		For Elevated Installation >35' To 40', Add	*8.07*	
		For Elevated Installation >40', Add	*8.87*	
26 05 33 13-0626	EA	1-1/4" Electrical Metallic Tubing (EMT) 45 Degree Elbow	21.75	6.91
		For Work In Restricted Working Space, Add	*5.18*	
		For Elevated Installation >10' To 15', Add	*1.73*	
		For Elevated Installation >15' To 20', Add	*3.46*	
		For Elevated Installation >20' To 25', Add	*4.32*	
		For Elevated Installation >25' To 30', Add	*6.05*	
		For Elevated Installation >30' To 35', Add	*6.91*	
		For Elevated Installation >35' To 40', Add	*8.64*	
		For Elevated Installation >40', Add	*9.50*	
26 05 33 13-0627	EA	1-1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow	25.84	8.29
		For Work In Restricted Working Space, Add	*6.22*	
		For Elevated Installation >10' To 15', Add	*2.07*	
		For Elevated Installation >15' To 20', Add	*4.15*	
		For Elevated Installation >20' To 25', Add	*5.18*	
		For Elevated Installation >25' To 30', Add	*7.26*	
		For Elevated Installation >30' To 35', Add	*8.29*	
		For Elevated Installation >35' To 40', Add	*10.37*	
		For Elevated Installation >40', Add	*11.40*	
26 05 33 13-0628	EA	2" Electrical Metallic Tubing (EMT) 45 Degree Elbow	32.69	10.60
		For Work In Restricted Working Space, Add	*7.95*	
		For Elevated Installation >10' To 15', Add	*2.65*	
		For Elevated Installation >15' To 20', Add	*5.30*	
		For Elevated Installation >20' To 25', Add	*6.62*	
		For Elevated Installation >25' To 30', Add	*9.27*	
		For Elevated Installation >30' To 35', Add	*10.60*	
		For Elevated Installation >35' To 40', Add	*13.25*	
		For Elevated Installation >40', Add	*14.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0629	EA	2-1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow	46.35	11.98
		For Work In Restricted Working Space, Add	*8.98*	
		For Elevated Installation >10' To 15', Add	*2.99*	
		For Elevated Installation >15' To 20', Add	*5.99*	
		For Elevated Installation >20' To 25', Add	*7.49*	
		For Elevated Installation >25' To 30', Add	*10.48*	
		For Elevated Installation >30' To 35', Add	*11.98*	
		For Elevated Installation >35' To 40', Add	*14.97*	
		For Elevated Installation >40', Add	*16.47*	
26 05 33 13-0630	EA	3" Electrical Metallic Tubing (EMT) 45 Degree Elbow	58.11	13.36
		For Work In Restricted Working Space, Add	*10.02*	
		For Elevated Installation >10' To 15', Add	*3.34*	
		For Elevated Installation >15' To 20', Add	*6.68*	
		For Elevated Installation >20' To 25', Add	*8.35*	
		For Elevated Installation >25' To 30', Add	*11.69*	
		For Elevated Installation >30' To 35', Add	*13.36*	
		For Elevated Installation >35' To 40', Add	*16.70*	
		For Elevated Installation >40', Add	*18.37*	
26 05 33 13-0631	EA	3-1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow	68.74	14.75
		For Work In Restricted Working Space, Add	*11.06*	
		For Elevated Installation >10' To 15', Add	*3.69*	
		For Elevated Installation >15' To 20', Add	*7.37*	
		For Elevated Installation >20' To 25', Add	*9.22*	
		For Elevated Installation >25' To 30', Add	*12.90*	
		For Elevated Installation >30' To 35', Add	*14.74*	
		For Elevated Installation >35' To 40', Add	*18.43*	
		For Elevated Installation >40', Add	*20.27*	
26 05 33 13-0632	EA	4" Electrical Metallic Tubing (EMT) 45 Degree Elbow	131.23	39.03
		For Work In Restricted Working Space, Add	*29.27*	
		For Elevated Installation >10' To 15', Add	*9.76*	
		For Elevated Installation >15' To 20', Add	*19.51*	
		For Elevated Installation >20' To 25', Add	*24.39*	
		For Elevated Installation >25' To 30', Add	*34.15*	
		For Elevated Installation >30' To 35', Add	*39.03*	
		For Elevated Installation >35' To 40', Add	*48.79*	
		For Elevated Installation >40', Add	*53.66*	

26 05 33 13-0633 Electrical Metallic Tubing (EMT) Set Screw Couplings *(26 05 33 13-0599)*

26 05 33 13-0634	EA	1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	6.01	2.77
		For Work In Restricted Working Space, Add	*1.73*	
		For Elevated Installation >10' To 15', Add	*0.58*	
		For Elevated Installation >15' To 20', Add	*1.15*	
		For Elevated Installation >20' To 25', Add	*1.44*	
		For Elevated Installation >25' To 30', Add	*2.01*	
		For Elevated Installation >30' To 35', Add	*2.30*	
		For Elevated Installation >35' To 40', Add	*2.88*	
		For Elevated Installation >40', Add	*3.16*	
26 05 33 13-0635	EA	3/4" Electrical Metallic Tubing (EMT) Set Screw Coupling	7.29	2.77
		For Work In Restricted Working Space, Add	*2.07*	
		For Elevated Installation >10' To 15', Add	*0.69*	
		For Elevated Installation >15' To 20', Add	*1.38*	
		For Elevated Installation >20' To 25', Add	*1.73*	
		For Elevated Installation >25' To 30', Add	*2.42*	
		For Elevated Installation >30' To 35', Add	*2.76*	
		For Elevated Installation >35' To 40', Add	*3.46*	
		For Elevated Installation >40', Add	*3.80*	
26 05 33 13-0636	EA	1" Electrical Metallic Tubing (EMT) Set Screw Coupling	8.64	3.23
		For Work In Restricted Working Space, Add	*2.42*	
		For Elevated Installation >10' To 15', Add	*0.81*	
		For Elevated Installation >15' To 20', Add	*1.61*	
		For Elevated Installation >20' To 25', Add	*2.02*	
		For Elevated Installation >25' To 30', Add	*2.82*	
		For Elevated Installation >30' To 35', Add	*3.22*	
		For Elevated Installation >35' To 40', Add	*4.03*	
		For Elevated Installation >40', Add	*4.43*	
26 05 33 13-0637	EA	1-1/4" Electrical Metallic Tubing (EMT) Set Screw Coupling	11.63	4.15
		For Work In Restricted Working Space, Add	*3.11*	
		For Elevated Installation >10' To 15', Add	*1.04*	
		For Elevated Installation >15' To 20', Add	*2.07*	
		For Elevated Installation >20' To 25', Add	*2.59*	
		For Elevated Installation >25' To 30', Add	*3.63*	
		For Elevated Installation >30' To 35', Add	*4.15*	
		For Elevated Installation >35' To 40', Add	*5.19*	
		For Elevated Installation >40', Add	*5.70*	
26 05 33 13-0638	EA	1-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	14.33	5.07
		For Work In Restricted Working Space, Add	*3.80*	
		For Elevated Installation >10' To 15', Add	*1.27*	
		For Elevated Installation >15' To 20', Add	*2.53*	
		For Elevated Installation >20' To 25', Add	*3.17*	
		For Elevated Installation >25' To 30', Add	*4.43*	
		For Elevated Installation >30' To 35', Add	*5.07*	
		For Elevated Installation >35' To 40', Add	*6.34*	
		For Elevated Installation >40', Add	*6.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0639	EA	2" Electrical Metallic Tubing (EMT) Set Screw Coupling	19.48	6.91
		For Work In Restricted Working Space, Add	*5.18*	
		For Elevated Installation >10' To 15', Add	*1.73*	
		For Elevated Installation >15' To 20', Add	*3.45*	
		For Elevated Installation >20' To 25', Add	*4.32*	
		For Elevated Installation >25' To 30', Add	*6.04*	
		For Elevated Installation >30' To 35', Add	*6.91*	
		For Elevated Installation >35' To 40', Add	*8.64*	
		For Elevated Installation >40', Add	*9.50*	
26 05 33 13-0640	EA	2-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	26.91	9.21
		For Work In Restricted Working Space, Add	*6.91*	
		For Elevated Installation >10' To 15', Add	*2.30*	
		For Elevated Installation >15' To 20', Add	*4.61*	
		For Elevated Installation >20' To 25', Add	*5.76*	
		For Elevated Installation >25' To 30', Add	*8.06*	
		For Elevated Installation >30' To 35', Add	*9.22*	
		For Elevated Installation >35' To 40', Add	*11.52*	
		For Elevated Installation >40', Add	*12.67*	
26 05 33 13-0641	EA	3" Electrical Metallic Tubing (EMT) Set Screw Coupling	34.80	10.60
		For Work In Restricted Working Space, Add	*8.64*	
		For Elevated Installation >10' To 15', Add	*2.88*	
		For Elevated Installation >15' To 20', Add	*5.76*	
		For Elevated Installation >20' To 25', Add	*7.20*	
		For Elevated Installation >25' To 30', Add	*10.08*	
		For Elevated Installation >30' To 35', Add	*11.52*	
		For Elevated Installation >35' To 40', Add	*14.40*	
		For Elevated Installation >40', Add	*15.83*	
26 05 33 13-0642	EA	3-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	39.31	11.52
		For Work In Restricted Working Space, Add	*10.37*	
		For Elevated Installation >10' To 15', Add	*3.46*	
		For Elevated Installation >15' To 20', Add	*6.91*	
		For Elevated Installation >20' To 25', Add	*8.64*	
		For Elevated Installation >25' To 30', Add	*12.09*	
		For Elevated Installation >30' To 35', Add	*13.82*	
		For Elevated Installation >35' To 40', Add	*17.28*	
		For Elevated Installation >40', Add	*19.00*	
26 05 33 13-0643	EA	4" Electrical Metallic Tubing (EMT) Set Screw Coupling	113.16	32.34
		For Work In Restricted Working Space, Add	*31.40*	
		For Elevated Installation >10' To 15', Add	*10.47*	
		For Elevated Installation >15' To 20', Add	*20.94*	
		For Elevated Installation >20' To 25', Add	*26.17*	
		For Elevated Installation >25' To 30', Add	*36.64*	
		For Elevated Installation >30' To 35', Add	*41.87*	
		For Elevated Installation >35' To 40', Add	*52.34*	
		For Elevated Installation >40', Add	*57.57*	

26 05 33 13-0644 Electrical Metallic Tubing (EMT) Compression Couplings *(26 05 33 13-0599)*

26 05 33 13-0645	EA	1/2 Electrical Metallic Tubing (EMT) Compression Coupling	7.55	2.77
		For Work In Restricted Working Space, Add	*2.07*	
		For Elevated Installation >10' To 15', Add	*0.69*	
		For Elevated Installation >15' To 20', Add	*1.38*	
		For Elevated Installation >20' To 25', Add	*1.73*	
		For Elevated Installation >25' To 30', Add	*2.42*	
		For Elevated Installation >30' To 35', Add	*2.76*	
		For Elevated Installation >35' To 40', Add	*3.46*	
		For Elevated Installation >40', Add	*3.80*	
26 05 33 13-0646	EA	3/4" Electrical Metallic Tubing (EMT) Compression Coupling	8.76	3.23
		For Work In Restricted Working Space, Add	*2.42*	
		For Elevated Installation >10' To 15', Add	*0.81*	
		For Elevated Installation >15' To 20', Add	*1.61*	
		For Elevated Installation >20' To 25', Add	*2.02*	
		For Elevated Installation >25' To 30', Add	*2.82*	
		For Elevated Installation >30' To 35', Add	*3.22*	
		For Elevated Installation >35' To 40', Add	*4.03*	
		For Elevated Installation >40', Add	*4.43*	
26 05 33 13-0647	EA	1" Electrical Metallic Tubing (EMT) Compression Coupling	12.49	4.61
		For Work In Restricted Working Space, Add	*3.46*	
		For Elevated Installation >10' To 15', Add	*1.15*	
		For Elevated Installation >15' To 20', Add	*2.30*	
		For Elevated Installation >20' To 25', Add	*2.88*	
		For Elevated Installation >25' To 30', Add	*4.03*	
		For Elevated Installation >30' To 35', Add	*4.61*	
		For Elevated Installation >35' To 40', Add	*5.76*	
		For Elevated Installation >40', Add	*6.34*	
26 05 33 13-0648	EA	1-1/4" Electrical Metallic Tubing (EMT) Compression Coupling	15.85	5.53
		For Work In Restricted Working Space, Add	*4.15*	
		For Elevated Installation >10' To 15', Add	*1.38*	
		For Elevated Installation >15' To 20', Add	*2.76*	
		For Elevated Installation >20' To 25', Add	*3.46*	
		For Elevated Installation >25' To 30', Add	*4.84*	
		For Elevated Installation >30' To 35', Add	*5.53*	
		For Elevated Installation >35' To 40', Add	*6.91*	
		For Elevated Installation >40', Add	*7.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0649	EA	1-1/2" Electrical Metallic Tubing (EMT) Compression Coupling	18.99	6.45
		For Work In Restricted Working Space, Add	*4.84*	
		For Elevated Installation >10' To 15', Add	*1.61*	
		For Elevated Installation >15' To 20', Add	*3.23*	
		For Elevated Installation >20' To 25', Add	*4.03*	
		For Elevated Installation >25' To 30', Add	*5.65*	
		For Elevated Installation >30' To 35', Add	*6.45*	
		For Elevated Installation >35' To 40', Add	*8.07*	
		For Elevated Installation >40', Add	*8.87*	
26 05 33 13-0650	EA	2" Electrical Metallic Tubing (EMT) Compression Coupling	25.23	8.29
		For Work In Restricted Working Space, Add	*6.22*	
		For Elevated Installation >10' To 15', Add	*2.07*	
		For Elevated Installation >15' To 20', Add	*4.15*	
		For Elevated Installation >20' To 25', Add	*5.18*	
		For Elevated Installation >25' To 30', Add	*7.26*	
		For Elevated Installation >30' To 35', Add	*8.29*	
		For Elevated Installation >35' To 40', Add	*10.37*	
		For Elevated Installation >40', Add	*11.40*	
26 05 33 13-0651	EA	2-1/2" Electrical Metallic Tubing (EMT) Compression Coupling	39.40	11.06
		For Work In Restricted Working Space, Add	*8.30*	
		For Elevated Installation >10' To 15', Add	*2.77*	
		For Elevated Installation >15' To 20', Add	*5.53*	
		For Elevated Installation >20' To 25', Add	*6.91*	
		For Elevated Installation >25' To 30', Add	*9.68*	
		For Elevated Installation >30' To 35', Add	*11.06*	
		For Elevated Installation >35' To 40', Add	*13.83*	
		For Elevated Installation >40', Add	*15.21*	
26 05 33 13-0652	EA	3" Electrical Metallic Tubing (EMT) Compression Coupling	45.60	12.90
		For Work In Restricted Working Space, Add	*9.68*	
		For Elevated Installation >10' To 15', Add	*3.23*	
		For Elevated Installation >15' To 20', Add	*6.45*	
		For Elevated Installation >20' To 25', Add	*8.06*	
		For Elevated Installation >25' To 30', Add	*11.29*	
		For Elevated Installation >30' To 35', Add	*12.90*	
		For Elevated Installation >35' To 40', Add	*16.13*	
		For Elevated Installation >40', Add	*17.74*	
26 05 33 13-0653	EA	3-1/2" Electrical Metallic Tubing (EMT) Compression Coupling	57.01	16.13
		For Work In Restricted Working Space, Add	*12.09*	
		For Elevated Installation >10' To 15', Add	*4.03*	
		For Elevated Installation >15' To 20', Add	*8.06*	
		For Elevated Installation >20' To 25', Add	*10.08*	
		For Elevated Installation >25' To 30', Add	*14.11*	
		For Elevated Installation >30' To 35', Add	*16.12*	
		For Elevated Installation >35' To 40', Add	*20.16*	
		For Elevated Installation >40', Add	*22.17*	
26 05 33 13-0654	EA	4" Electrical Metallic Tubing (EMT) Compression Coupling	73.13	20.73
		For Work In Restricted Working Space, Add	*15.55*	
		For Elevated Installation >10' To 15', Add	*5.18*	
		For Elevated Installation >15' To 20', Add	*10.37*	
		For Elevated Installation >20' To 25', Add	*12.96*	
		For Elevated Installation >25' To 30', Add	*18.14*	
		For Elevated Installation >30' To 35', Add	*20.73*	
		For Elevated Installation >35' To 40', Add	*25.92*	
		For Elevated Installation >40', Add	*28.51*	

26 05 33 13-0655 Electrical Metallic Tubing (EMT) Raintight Compression Couplings *(26 05 33 13-0599)*

26 05 33 13-0656	EA	1/2 Electrical Metallic Tubing (EMT) Raintight Compression Coupling	8.46	2.77
		For Work In Restricted Working Space, Add	*2.07*	
		For Elevated Installation >10' To 15', Add	*0.69*	
		For Elevated Installation >15' To 20', Add	*1.38*	
		For Elevated Installation >20' To 25', Add	*1.73*	
		For Elevated Installation >25' To 30', Add	*2.42*	
		For Elevated Installation >30' To 35', Add	*2.76*	
		For Elevated Installation >35' To 40', Add	*3.46*	
		For Elevated Installation >40', Add	*3.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.07*	
26 05 33 13-0657	EA	3/4" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	9.76	3.23
		For Work In Restricted Working Space, Add	*2.42*	
		For Elevated Installation >10' To 15', Add	*0.81*	
		For Elevated Installation >15' To 20', Add	*1.61*	
		For Elevated Installation >20' To 25', Add	*2.02*	
		For Elevated Installation >25' To 30', Add	*2.82*	
		For Elevated Installation >30' To 35', Add	*3.22*	
		For Elevated Installation >35' To 40', Add	*4.03*	
		For Elevated Installation >40', Add	*4.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.42*	
26 05 33 13-0658	EA	1" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	14.39	4.61
		For Work In Restricted Working Space, Add	*3.46*	
		For Elevated Installation >10' To 15', Add	*1.15*	
		For Elevated Installation >15' To 20', Add	*2.30*	
		For Elevated Installation >20' To 25', Add	*2.88*	
		For Elevated Installation >25' To 30', Add	*4.03*	
		For Elevated Installation >30' To 35', Add	*4.61*	
		For Elevated Installation >35' To 40', Add	*5.76*	
		For Elevated Installation >40', Add	*6.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0659	EA	1-1/4" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	18.16	5.53
		For Work In Restricted Working Space, Add	*4.15*	
		For Elevated Installation >10' To 15', Add	*1.38*	
		For Elevated Installation >15' To 20', Add	*2.76*	
		For Elevated Installation >20' To 25', Add	*3.46*	
		For Elevated Installation >25' To 30', Add	*4.84*	
		For Elevated Installation >30' To 35', Add	*5.53*	
		For Elevated Installation >35' To 40', Add	*6.91*	
		For Elevated Installation >40', Add	*7.60*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.15*	
26 05 33 13-0660	EA	1-1/2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	23.09	6.45
		For Work In Restricted Working Space, Add	*4.84*	
		For Elevated Installation >10' To 15', Add	*1.61*	
		For Elevated Installation >15' To 20', Add	*3.23*	
		For Elevated Installation >20' To 25', Add	*4.03*	
		For Elevated Installation >25' To 30', Add	*5.65*	
		For Elevated Installation >30' To 35', Add	*6.45*	
		For Elevated Installation >35' To 40', Add	*8.07*	
		For Elevated Installation >40', Add	*8.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.84*	
26 05 33 13-0661	EA	2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	28.13	7.83
		For Work In Restricted Working Space, Add	*5.87*	
		For Elevated Installation >10' To 15', Add	*1.96*	
		For Elevated Installation >15' To 20', Add	*3.92*	
		For Elevated Installation >20' To 25', Add	*4.90*	
		For Elevated Installation >25' To 30', Add	*6.85*	
		For Elevated Installation >30' To 35', Add	*7.83*	
		For Elevated Installation >35' To 40', Add	*9.79*	
		For Elevated Installation >40', Add	*10.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.87*	
26 05 33 13-0662	EA	2-1/2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	37.87	10.60
		For Work In Restricted Working Space, Add	*7.95*	
		For Elevated Installation >10' To 15', Add	*2.65*	
		For Elevated Installation >15' To 20', Add	*5.30*	
		For Elevated Installation >20' To 25', Add	*6.62*	
		For Elevated Installation >25' To 30', Add	*9.27*	
		For Elevated Installation >30' To 35', Add	*10.60*	
		For Elevated Installation >35' To 40', Add	*13.25*	
		For Elevated Installation >40', Add	*14.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.95*	
26 05 33 13-0663	EA	3" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	47.71	12.90
		For Work In Restricted Working Space, Add	*9.68*	
		For Elevated Installation >10' To 15', Add	*3.23*	
		For Elevated Installation >15' To 20', Add	*6.45*	
		For Elevated Installation >20' To 25', Add	*8.06*	
		For Elevated Installation >25' To 30', Add	*11.29*	
		For Elevated Installation >30' To 35', Add	*12.90*	
		For Elevated Installation >35' To 40', Add	*16.13*	
		For Elevated Installation >40', Add	*17.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.68*	
26 05 33 13-0664	EA	3-1/2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	62.67	16.13
		For Work In Restricted Working Space, Add	*12.09*	
		For Elevated Installation >10' To 15', Add	*4.03*	
		For Elevated Installation >15' To 20', Add	*8.06*	
		For Elevated Installation >20' To 25', Add	*10.08*	
		For Elevated Installation >25' To 30', Add	*14.11*	
		For Elevated Installation >30' To 35', Add	*16.12*	
		For Elevated Installation >35' To 40', Add	*20.16*	
		For Elevated Installation >40', Add	*22.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.09*	
26 05 33 13-0665	EA	4" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	76.83	20.73
		For Work In Restricted Working Space, Add	*15.55*	
		For Elevated Installation >10' To 15', Add	*5.18*	
		For Elevated Installation >15' To 20', Add	*10.37*	
		For Elevated Installation >20' To 25', Add	*12.96*	
		For Elevated Installation >25' To 30', Add	*18.14*	
		For Elevated Installation >30' To 35', Add	*20.73*	
		For Elevated Installation >35' To 40', Add	*25.92*	
		For Elevated Installation >40', Add	*28.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.55*	

26 05 33 13-0666 Electrical Metallic Tubing (EMT) Insulated Bushing *(26 05 33 13-0599)*

26 05 33 13-0667	EA	1/2" Electrical Metallic Tubing (EMT) Insulated Bushing	7.81	3.11
		For Work In Restricted Working Space, Add	*2.32*	
		For Elevated Installation >10' To 15', Add	*0.77*	
		For Elevated Installation >15' To 20', Add	*1.54*	
		For Elevated Installation >20' To 25', Add	*1.93*	
		For Elevated Installation >25' To 30', Add	*2.70*	
		For Elevated Installation >30' To 35', Add	*3.09*	
		For Elevated Installation >35' To 40', Add	*3.86*	
		For Elevated Installation >40', Add	*4.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0668	EA	3/4" Electrical Metallic Tubing (EMT) Insulated Bushing	8.54	3.34
		For Work In Restricted Working Space, Add	*2.52*	
		For Elevated Installation >10' To 15', Add	*0.84*	
		For Elevated Installation >15' To 20', Add	*1.68*	
		For Elevated Installation >20' To 25', Add	*2.10*	
		For Elevated Installation >25' To 30', Add	*2.94*	
		For Elevated Installation >30' To 35', Add	*3.36*	
		For Elevated Installation >35' To 40', Add	*4.21*	
		For Elevated Installation >40', Add	*4.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.52*	
26 05 33 13-0669	EA	1" Electrical Metallic Tubing (EMT) Insulated Bushing	10.68	4.15
		For Work In Restricted Working Space, Add	*3.08*	
		For Elevated Installation >10' To 15', Add	*1.03*	
		For Elevated Installation >15' To 20', Add	*2.05*	
		For Elevated Installation >20' To 25', Add	*2.56*	
		For Elevated Installation >25' To 30', Add	*3.59*	
		For Elevated Installation >30' To 35', Add	*4.10*	
		For Elevated Installation >35' To 40', Add	*5.13*	
		For Elevated Installation >40', Add	*5.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.08*	
26 05 33 13-0670	EA	1-1/4" Electrical Metallic Tubing (EMT) Insulated Bushing	13.66	5.30
		For Work In Restricted Working Space, Add	*3.94*	
		For Elevated Installation >10' To 15', Add	*1.31*	
		For Elevated Installation >15' To 20', Add	*2.63*	
		For Elevated Installation >20' To 25', Add	*3.28*	
		For Elevated Installation >25' To 30', Add	*4.60*	
		For Elevated Installation >30' To 35', Add	*5.25*	
		For Elevated Installation >35' To 40', Add	*6.57*	
		For Elevated Installation >40', Add	*7.22*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.94*	
26 05 33 13-0671	EA	1-1/2" Electrical Metallic Tubing (EMT) Insulated Bushing	16.15	6.10
		For Work In Restricted Working Space, Add	*4.60*	
		For Elevated Installation >10' To 15', Add	*1.53*	
		For Elevated Installation >15' To 20', Add	*3.06*	
		For Elevated Installation >20' To 25', Add	*3.83*	
		For Elevated Installation >25' To 30', Add	*5.36*	
		For Elevated Installation >30' To 35', Add	*6.13*	
		For Elevated Installation >35' To 40', Add	*7.66*	
		For Elevated Installation >40', Add	*8.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.60*	
26 05 33 13-0672	EA	2" Electrical Metallic Tubing (EMT) Insulated Bushing	19.82	7.37
		For Work In Restricted Working Space, Add	*5.53*	
		For Elevated Installation >10' To 15', Add	*1.84*	
		For Elevated Installation >15' To 20', Add	*3.68*	
		For Elevated Installation >20' To 25', Add	*4.61*	
		For Elevated Installation >25' To 30', Add	*6.45*	
		For Elevated Installation >30' To 35', Add	*7.37*	
		For Elevated Installation >35' To 40', Add	*9.21*	
		For Elevated Installation >40', Add	*10.13*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.53*	
26 05 33 13-0673	EA	2-1/2" Electrical Metallic Tubing (EMT) Insulated Bushing	28.59	10.25
		For Work In Restricted Working Space, Add	*7.67*	
		For Elevated Installation >10' To 15', Add	*2.56*	
		For Elevated Installation >15' To 20', Add	*5.11*	
		For Elevated Installation >20' To 25', Add	*6.39*	
		For Elevated Installation >25' To 30', Add	*8.95*	
		For Elevated Installation >30' To 35', Add	*10.23*	
		For Elevated Installation >35' To 40', Add	*12.79*	
		For Elevated Installation >40', Add	*14.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.67*	
26 05 33 13-0674	EA	3" Electrical Metallic Tubing (EMT) Insulated Bushing	37.93	13.59
		For Work In Restricted Working Space, Add	*10.23*	
		For Elevated Installation >10' To 15', Add	*3.41*	
		For Elevated Installation >15' To 20', Add	*6.82*	
		For Elevated Installation >20' To 25', Add	*8.52*	
		For Elevated Installation >25' To 30', Add	*11.93*	
		For Elevated Installation >30' To 35', Add	*13.64*	
		For Elevated Installation >35' To 40', Add	*17.05*	
		For Elevated Installation >40', Add	*18.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.23*	
26 05 33 13-0675	EA	3-1/2" Electrical Metallic Tubing (EMT) Insulated Bushing	48.62	17.50
		For Work In Restricted Working Space, Add	*13.17*	
		For Elevated Installation >10' To 15', Add	*4.39*	
		For Elevated Installation >15' To 20', Add	*8.78*	
		For Elevated Installation >20' To 25', Add	*10.97*	
		For Elevated Installation >25' To 30', Add	*15.36*	
		For Elevated Installation >30' To 35', Add	*17.56*	
		For Elevated Installation >35' To 40', Add	*21.95*	
		For Elevated Installation >40', Add	*24.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.17*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0676		EA	4" Electrical Metallic Tubing (EMT) Insulated Bushing	62.86	23.04
			For Work In Restricted Working Space, Add	*17.28*	
			For Elevated Installation >10' To 15', Add	*5.76*	
			For Elevated Installation >15' To 20', Add	*11.52*	
			For Elevated Installation >20' To 25', Add	*14.40*	
			For Elevated Installation >25' To 30', Add	*20.16*	
			For Elevated Installation >30' To 35', Add	*23.04*	
			For Elevated Installation >35' To 40', Add	*28.80*	
			For Elevated Installation >40', Add	*31.67*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.28*	
26 05 33 13-0677			Electrical Metallic Tubing (EMT) Straight Box Connectors With Set Screw *(26 05 33 13-0599)*		
26 05 33 13-0678		EA	1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	5.96	2.31
			For Work In Restricted Working Space, Add	*1.73*	
			For Elevated Installation >10' To 15', Add	*0.58*	
			For Elevated Installation >15' To 20', Add	*1.15*	
			For Elevated Installation >20' To 25', Add	*1.44*	
			For Elevated Installation >25' To 30', Add	*2.01*	
			For Elevated Installation >30' To 35', Add	*2.30*	
			For Elevated Installation >35' To 40', Add	*2.88*	
			For Elevated Installation >40', Add	*3.16*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.73*	
26 05 33 13-0679		EA	3/4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	7.24	2.77
			For Work In Restricted Working Space, Add	*2.07*	
			For Elevated Installation >10' To 15', Add	*0.69*	
			For Elevated Installation >15' To 20', Add	*1.38*	
			For Elevated Installation >20' To 25', Add	*1.73*	
			For Elevated Installation >25' To 30', Add	*2.42*	
			For Elevated Installation >30' To 35', Add	*2.76*	
			For Elevated Installation >35' To 40', Add	*3.46*	
			For Elevated Installation >40', Add	*3.80*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.07*	
26 05 33 13-0680		EA	1" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	8.64	3.23
			For Work In Restricted Working Space, Add	*2.42*	
			For Elevated Installation >10' To 15', Add	*0.81*	
			For Elevated Installation >15' To 20', Add	*1.61*	
			For Elevated Installation >20' To 25', Add	*2.02*	
			For Elevated Installation >25' To 30', Add	*2.82*	
			For Elevated Installation >30' To 35', Add	*3.22*	
			For Elevated Installation >35' To 40', Add	*4.03*	
			For Elevated Installation >40', Add	*4.43*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.42*	
26 05 33 13-0681		EA	1-1/4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	12.58	4.61
			For Work In Restricted Working Space, Add	*3.46*	
			For Elevated Installation >10' To 15', Add	*1.15*	
			For Elevated Installation >15' To 20', Add	*2.30*	
			For Elevated Installation >20' To 25', Add	*2.88*	
			For Elevated Installation >25' To 30', Add	*4.03*	
			For Elevated Installation >30' To 35', Add	*4.61*	
			For Elevated Installation >35' To 40', Add	*5.76*	
			For Elevated Installation >40', Add	*6.34*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.46*	
26 05 33 13-0682		EA	1-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	15.36	5.53
			For Work In Restricted Working Space, Add	*4.15*	
			For Elevated Installation >10' To 15', Add	*1.38*	
			For Elevated Installation >15' To 20', Add	*2.76*	
			For Elevated Installation >20' To 25', Add	*3.46*	
			For Elevated Installation >25' To 30', Add	*4.84*	
			For Elevated Installation >30' To 35', Add	*5.53*	
			For Elevated Installation >35' To 40', Add	*6.91*	
			For Elevated Installation >40', Add	*7.60*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.15*	
26 05 33 13-0683		EA	2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	19.55	6.91
			For Work In Restricted Working Space, Add	*5.18*	
			For Elevated Installation >10' To 15', Add	*1.73*	
			For Elevated Installation >15' To 20', Add	*3.45*	
			For Elevated Installation >20' To 25', Add	*4.32*	
			For Elevated Installation >25' To 30', Add	*6.04*	
			For Elevated Installation >30' To 35', Add	*6.91*	
			For Elevated Installation >35' To 40', Add	*8.64*	
			For Elevated Installation >40', Add	*9.50*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.18*	
26 05 33 13-0684		EA	2-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	29.39	9.21
			For Work In Restricted Working Space, Add	*6.91*	
			For Elevated Installation >10' To 15', Add	*2.30*	
			For Elevated Installation >15' To 20', Add	*4.61*	
			For Elevated Installation >20' To 25', Add	*5.76*	
			For Elevated Installation >25' To 30', Add	*8.06*	
			For Elevated Installation >30' To 35', Add	*9.22*	
			For Elevated Installation >35' To 40', Add	*11.52*	
			For Elevated Installation >40', Add	*12.67*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0685	EA	3" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	36.55	11.52
		For Work In Restricted Working Space, Add	*8.64*	
		For Elevated Installation >10' To 15', Add	*2.88*	
		For Elevated Installation >15' To 20', Add	*5.76*	
		For Elevated Installation >20' To 25', Add	*7.20*	
		For Elevated Installation >25' To 30', Add	*10.08*	
		For Elevated Installation >30' To 35', Add	*11.52*	
		For Elevated Installation >35' To 40', Add	*14.40*	
		For Elevated Installation >40', Add	*15.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.64*	
26 05 33 13-0686	EA	3-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	43.27	13.82
		For Work In Restricted Working Space, Add	*10.37*	
		For Elevated Installation >10' To 15', Add	*3.46*	
		For Elevated Installation >15' To 20', Add	*6.91*	
		For Elevated Installation >20' To 25', Add	*8.64*	
		For Elevated Installation >25' To 30', Add	*12.09*	
		For Elevated Installation >30' To 35', Add	*13.82*	
		For Elevated Installation >35' To 40', Add	*17.28*	
		For Elevated Installation >40', Add	*19.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.37*	
26 05 33 13-0687	EA	4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	50.41	16.13
		For Work In Restricted Working Space, Add	*12.09*	
		For Elevated Installation >10' To 15', Add	*4.03*	
		For Elevated Installation >15' To 20', Add	*8.06*	
		For Elevated Installation >20' To 25', Add	*10.08*	
		For Elevated Installation >25' To 30', Add	*14.11*	
		For Elevated Installation >30' To 35', Add	*16.12*	
		For Elevated Installation >35' To 40', Add	*20.16*	
		For Elevated Installation >40', Add	*22.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.09*	

26 05 33 13-0688 Electrical Metallic Tubing (EMT) Insulated Straight Box Connectors With Set Screw *(26 05 33 13-0599)*

26 05 33 13-0689	EA	1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	8.06	3.11
		For Work In Restricted Working Space, Add	*2.32*	
		For Elevated Installation >10' To 15', Add	*0.77*	
		For Elevated Installation >15' To 20', Add	*1.54*	
		For Elevated Installation >20' To 25', Add	*1.93*	
		For Elevated Installation >25' To 30', Add	*2.70*	
		For Elevated Installation >30' To 35', Add	*3.09*	
		For Elevated Installation >35' To 40', Add	*3.86*	
		For Elevated Installation >40', Add	*4.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.32*	
26 05 33 13-0690	EA	3/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	8.95	3.34
		For Work In Restricted Working Space, Add	*2.52*	
		For Elevated Installation >10' To 15', Add	*0.84*	
		For Elevated Installation >15' To 20', Add	*1.68*	
		For Elevated Installation >20' To 25', Add	*2.10*	
		For Elevated Installation >25' To 30', Add	*2.94*	
		For Elevated Installation >30' To 35', Add	*3.36*	
		For Elevated Installation >35' To 40', Add	*4.21*	
		For Elevated Installation >40', Add	*4.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.52*	
26 05 33 13-0691	EA	1" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	11.22	4.15
		For Work In Restricted Working Space, Add	*3.08*	
		For Elevated Installation >10' To 15', Add	*1.03*	
		For Elevated Installation >15' To 20', Add	*2.05*	
		For Elevated Installation >20' To 25', Add	*2.56*	
		For Elevated Installation >25' To 30', Add	*3.59*	
		For Elevated Installation >30' To 35', Add	*4.10*	
		For Elevated Installation >35' To 40', Add	*5.13*	
		For Elevated Installation >40', Add	*5.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.08*	
26 05 33 13-0692	EA	1-1/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	14.74	5.30
		For Work In Restricted Working Space, Add	*3.94*	
		For Elevated Installation >10' To 15', Add	*1.31*	
		For Elevated Installation >15' To 20', Add	*2.63*	
		For Elevated Installation >20' To 25', Add	*3.28*	
		For Elevated Installation >25' To 30', Add	*4.60*	
		For Elevated Installation >30' To 35', Add	*5.25*	
		For Elevated Installation >35' To 40', Add	*6.57*	
		For Elevated Installation >40', Add	*7.22*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.94*	
26 05 33 13-0693	EA	1-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	17.46	6.10
		For Work In Restricted Working Space, Add	*4.60*	
		For Elevated Installation >10' To 15', Add	*1.53*	
		For Elevated Installation >15' To 20', Add	*3.06*	
		For Elevated Installation >20' To 25', Add	*3.83*	
		For Elevated Installation >25' To 30', Add	*5.36*	
		For Elevated Installation >30' To 35', Add	*6.13*	
		For Elevated Installation >35' To 40', Add	*7.66*	
		For Elevated Installation >40', Add	*8.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0694	EA	2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	21.36	7.37
		For Work In Restricted Working Space, Add	*5.53*	
		For Elevated Installation >10' To 15', Add	*1.84*	
		For Elevated Installation >15' To 20', Add	*3.68*	
		For Elevated Installation >20' To 25', Add	*4.61*	
		For Elevated Installation >25' To 30', Add	*6.45*	
		For Elevated Installation >30' To 35', Add	*7.37*	
		For Elevated Installation >35' To 40', Add	*9.21*	
		For Elevated Installation >40', Add	*10.13*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.53*	
26 05 33 13-0695	EA	2-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	35.18	10.25
		For Work In Restricted Working Space, Add	*7.67*	
		For Elevated Installation >10' To 15', Add	*2.56*	
		For Elevated Installation >15' To 20', Add	*5.11*	
		For Elevated Installation >20' To 25', Add	*6.39*	
		For Elevated Installation >25' To 30', Add	*8.95*	
		For Elevated Installation >30' To 35', Add	*10.23*	
		For Elevated Installation >35' To 40', Add	*12.79*	
		For Elevated Installation >40', Add	*14.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.67*	
26 05 33 13-0696	EA	3" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	45.58	13.59
		For Work In Restricted Working Space, Add	*10.23*	
		For Elevated Installation >10' To 15', Add	*3.41*	
		For Elevated Installation >15' To 20', Add	*6.82*	
		For Elevated Installation >20' To 25', Add	*8.52*	
		For Elevated Installation >25' To 30', Add	*11.93*	
		For Elevated Installation >30' To 35', Add	*13.64*	
		For Elevated Installation >35' To 40', Add	*17.05*	
		For Elevated Installation >40', Add	*18.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.23*	
26 05 33 13-0697	EA	3-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	58.26	17.50
		For Work In Restricted Working Space, Add	*13.17*	
		For Elevated Installation >10' To 15', Add	*4.39*	
		For Elevated Installation >15' To 20', Add	*8.78*	
		For Elevated Installation >20' To 25', Add	*10.97*	
		For Elevated Installation >25' To 30', Add	*15.36*	
		For Elevated Installation >30' To 35', Add	*17.56*	
		For Elevated Installation >35' To 40', Add	*21.95*	
		For Elevated Installation >40', Add	*24.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.17*	
26 05 33 13-0698	EA	4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	73.40	23.04
		For Work In Restricted Working Space, Add	*17.28*	
		For Elevated Installation >10' To 15', Add	*5.76*	
		For Elevated Installation >15' To 20', Add	*11.52*	
		For Elevated Installation >20' To 25', Add	*14.40*	
		For Elevated Installation >25' To 30', Add	*20.16*	
		For Elevated Installation >30' To 35', Add	*23.04*	
		For Elevated Installation >35' To 40', Add	*28.80*	
		For Elevated Installation >40', Add	*31.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.28*	

26 05 33 13-0699 Electrical Metallic Tubing (EMT) Straight Box Compression Connectors *(26 05 33 13-0599)*

26 05 33 13-0700	EA	1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	7.24	2.77
		For Work In Restricted Working Space, Add	*2.07*	
		For Elevated Installation >10' To 15', Add	*0.69*	
		For Elevated Installation >15' To 20', Add	*1.38*	
		For Elevated Installation >20' To 25', Add	*1.73*	
		For Elevated Installation >25' To 30', Add	*2.42*	
		For Elevated Installation >30' To 35', Add	*2.76*	
		For Elevated Installation >35' To 40', Add	*3.46*	
		For Elevated Installation >40', Add	*3.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.07*	
26 05 33 13-0701	EA	3/4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	8.56	3.23
		For Work In Restricted Working Space, Add	*2.42*	
		For Elevated Installation >10' To 15', Add	*0.81*	
		For Elevated Installation >15' To 20', Add	*1.61*	
		For Elevated Installation >20' To 25', Add	*2.02*	
		For Elevated Installation >25' To 30', Add	*2.82*	
		For Elevated Installation >30' To 35', Add	*3.22*	
		For Elevated Installation >35' To 40', Add	*4.03*	
		For Elevated Installation >40', Add	*4.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.42*	
26 05 33 13-0702	EA	1" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	12.23	4.61
		For Work In Restricted Working Space, Add	*3.46*	
		For Elevated Installation >10' To 15', Add	*1.15*	
		For Elevated Installation >15' To 20', Add	*2.30*	
		For Elevated Installation >20' To 25', Add	*2.88*	
		For Elevated Installation >25' To 30', Add	*4.03*	
		For Elevated Installation >30' To 35', Add	*4.61*	
		For Elevated Installation >35' To 40', Add	*5.76*	
		For Elevated Installation >40', Add	*6.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0703	EA	1-1/4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	15.16	5.53
		For Work In Restricted Working Space, Add	*4.15*	
		For Elevated Installation >10' To 15', Add	*1.38*	
		For Elevated Installation >15' To 20', Add	*2.76*	
		For Elevated Installation >20' To 25', Add	*3.46*	
		For Elevated Installation >25' To 30', Add	*4.84*	
		For Elevated Installation >30' To 35', Add	*5.53*	
		For Elevated Installation >35' To 40', Add	*6.91*	
		For Elevated Installation >40', Add	*7.60*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.15*	
26 05 33 13-0704	EA	1-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	18.01	6.45
		For Work In Restricted Working Space, Add	*4.84*	
		For Elevated Installation >10' To 15', Add	*1.61*	
		For Elevated Installation >15' To 20', Add	*3.23*	
		For Elevated Installation >20' To 25', Add	*4.03*	
		For Elevated Installation >25' To 30', Add	*5.65*	
		For Elevated Installation >30' To 35', Add	*6.45*	
		For Elevated Installation >35' To 40', Add	*8.07*	
		For Elevated Installation >40', Add	*8.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.84*	
26 05 33 13-0705	EA	2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	23.46	8.29
		For Work In Restricted Working Space, Add	*6.22*	
		For Elevated Installation >10' To 15', Add	*2.07*	
		For Elevated Installation >15' To 20', Add	*4.15*	
		For Elevated Installation >20' To 25', Add	*5.18*	
		For Elevated Installation >25' To 30', Add	*7.26*	
		For Elevated Installation >30' To 35', Add	*8.29*	
		For Elevated Installation >35' To 40', Add	*10.37*	
		For Elevated Installation >40', Add	*11.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.22*	
26 05 33 13-0706	EA	2-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	35.87	11.06
		For Work In Restricted Working Space, Add	*8.30*	
		For Elevated Installation >10' To 15', Add	*2.77*	
		For Elevated Installation >15' To 20', Add	*5.53*	
		For Elevated Installation >20' To 25', Add	*6.91*	
		For Elevated Installation >25' To 30', Add	*9.68*	
		For Elevated Installation >30' To 35', Add	*11.06*	
		For Elevated Installation >35' To 40', Add	*13.83*	
		For Elevated Installation >40', Add	*15.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.30*	
26 05 33 13-0707	EA	3" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	45.30	13.82
		For Work In Restricted Working Space, Add	*10.37*	
		For Elevated Installation >10' To 15', Add	*3.46*	
		For Elevated Installation >15' To 20', Add	*6.91*	
		For Elevated Installation >20' To 25', Add	*8.64*	
		For Elevated Installation >25' To 30', Add	*12.09*	
		For Elevated Installation >30' To 35', Add	*13.82*	
		For Elevated Installation >35' To 40', Add	*17.28*	
		For Elevated Installation >40', Add	*19.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.37*	
26 05 33 13-0708	EA	3-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	56.87	16.13
		For Work In Restricted Working Space, Add	*12.09*	
		For Elevated Installation >10' To 15', Add	*4.03*	
		For Elevated Installation >15' To 20', Add	*8.06*	
		For Elevated Installation >20' To 25', Add	*10.08*	
		For Elevated Installation >25' To 30', Add	*14.11*	
		For Elevated Installation >30' To 35', Add	*16.12*	
		For Elevated Installation >35' To 40', Add	*20.16*	
		For Elevated Installation >40', Add	*22.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.09*	
26 05 33 13-0709	EA	4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	64.03	18.42
		For Work In Restricted Working Space, Add	*13.82*	
		For Elevated Installation >10' To 15', Add	*4.61*	
		For Elevated Installation >15' To 20', Add	*9.21*	
		For Elevated Installation >20' To 25', Add	*11.52*	
		For Elevated Installation >25' To 30', Add	*16.12*	
		For Elevated Installation >30' To 35', Add	*18.43*	
		For Elevated Installation >35' To 40', Add	*23.04*	
		For Elevated Installation >40', Add	*25.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.82*	

26 05 33 13-0710 Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connectors *(26 05 33 13-0599)*

26 05 33 13-0711	EA	1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	8.28	3.11
		For Work In Restricted Working Space, Add	*2.32*	
		For Elevated Installation >10' To 15', Add	*0.77*	
		For Elevated Installation >15' To 20', Add	*1.54*	
		For Elevated Installation >20' To 25', Add	*1.93*	
		For Elevated Installation >25' To 30', Add	*2.70*	
		For Elevated Installation >30' To 35', Add	*3.09*	
		For Elevated Installation >35' To 40', Add	*3.86*	
		For Elevated Installation >40', Add	*4.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0712	EA	3/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	9.19	3.34
		For Work In Restricted Working Space, Add	*2.52*	
		For Elevated Installation >10' To 15', Add	*0.84*	
		For Elevated Installation >15' To 20', Add	*1.68*	
		For Elevated Installation >20' To 25', Add	*2.10*	
		For Elevated Installation >25' To 30', Add	*2.94*	
		For Elevated Installation >30' To 35', Add	*3.36*	
		For Elevated Installation >35' To 40', Add	*4.21*	
		For Elevated Installation >40', Add	*4.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.52*	
26 05 33 13-0713	EA	1" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	11.41	4.15
		For Work In Restricted Working Space, Add	*3.08*	
		For Elevated Installation >10' To 15', Add	*1.03*	
		For Elevated Installation >15' To 20', Add	*2.05*	
		For Elevated Installation >20' To 25', Add	*2.56*	
		For Elevated Installation >25' To 30', Add	*3.59*	
		For Elevated Installation >30' To 35', Add	*4.10*	
		For Elevated Installation >35' To 40', Add	*5.13*	
		For Elevated Installation >40', Add	*5.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.08*	
26 05 33 13-0714	EA	1-1/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	15.30	5.30
		For Work In Restricted Working Space, Add	*3.94*	
		For Elevated Installation >10' To 15', Add	*1.31*	
		For Elevated Installation >15' To 20', Add	*2.63*	
		For Elevated Installation >20' To 25', Add	*3.28*	
		For Elevated Installation >25' To 30', Add	*4.60*	
		For Elevated Installation >30' To 35', Add	*5.25*	
		For Elevated Installation >35' To 40', Add	*6.57*	
		For Elevated Installation >40', Add	*7.22*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.94*	
26 05 33 13-0715	EA	1-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	18.39	6.10
		For Work In Restricted Working Space, Add	*4.60*	
		For Elevated Installation >10' To 15', Add	*1.53*	
		For Elevated Installation >15' To 20', Add	*3.06*	
		For Elevated Installation >20' To 25', Add	*3.83*	
		For Elevated Installation >25' To 30', Add	*5.36*	
		For Elevated Installation >30' To 35', Add	*6.13*	
		For Elevated Installation >35' To 40', Add	*7.66*	
		For Elevated Installation >40', Add	*8.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.60*	
26 05 33 13-0716	EA	2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	22.71	7.37
		For Work In Restricted Working Space, Add	*5.53*	
		For Elevated Installation >10' To 15', Add	*1.84*	
		For Elevated Installation >15' To 20', Add	*3.68*	
		For Elevated Installation >20' To 25', Add	*4.61*	
		For Elevated Installation >25' To 30', Add	*6.45*	
		For Elevated Installation >30' To 35', Add	*7.37*	
		For Elevated Installation >35' To 40', Add	*9.21*	
		For Elevated Installation >40', Add	*10.13*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.53*	
26 05 33 13-0717	EA	2-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	40.14	10.25
		For Work In Restricted Working Space, Add	*7.67*	
		For Elevated Installation >10' To 15', Add	*2.56*	
		For Elevated Installation >15' To 20', Add	*5.11*	
		For Elevated Installation >20' To 25', Add	*6.39*	
		For Elevated Installation >25' To 30', Add	*8.95*	
		For Elevated Installation >30' To 35', Add	*10.23*	
		For Elevated Installation >35' To 40', Add	*12.79*	
		For Elevated Installation >40', Add	*14.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.67*	
26 05 33 13-0718	EA	3" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	53.91	13.59
		For Work In Restricted Working Space, Add	*10.23*	
		For Elevated Installation >10' To 15', Add	*3.41*	
		For Elevated Installation >15' To 20', Add	*6.82*	
		For Elevated Installation >20' To 25', Add	*8.52*	
		For Elevated Installation >25' To 30', Add	*11.93*	
		For Elevated Installation >30' To 35', Add	*13.64*	
		For Elevated Installation >35' To 40', Add	*17.05*	
		For Elevated Installation >40', Add	*18.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.23*	
26 05 33 13-0719	EA	3-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	72.85	17.50
		For Work In Restricted Working Space, Add	*13.17*	
		For Elevated Installation >10' To 15', Add	*4.39*	
		For Elevated Installation >15' To 20', Add	*8.78*	
		For Elevated Installation >20' To 25', Add	*10.97*	
		For Elevated Installation >25' To 30', Add	*15.36*	
		For Elevated Installation >30' To 35', Add	*17.56*	
		For Elevated Installation >35' To 40', Add	*21.95*	
		For Elevated Installation >40', Add	*24.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0720	EA	4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	91.46	23.04
		For Work In Restricted Working Space, Add	*17.28*	
		For Elevated Installation >10' To 15', Add	*5.76*	
		For Elevated Installation >15' To 20', Add	*11.52*	
		For Elevated Installation >20' To 25', Add	*14.40*	
		For Elevated Installation >25' To 30', Add	*20.16*	
		For Elevated Installation >30' To 35', Add	*23.04*	
		For Elevated Installation >35' To 40', Add	*28.80*	
		For Elevated Installation >40', Add	*31.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.28*	
26 05 33 13-0721		Electrical Metallic Tubing (EMT) Expansion Coupling *(26 05 33 13-0599)*		
		Note: Excludes jumper.		
26 05 33 13-0722	EA	1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	61.30	15.32
		For Work In Restricted Working Space, Add	*11.50*	
		For Elevated Installation >10' To 15', Add	*3.83*	
		For Elevated Installation >15' To 20', Add	*7.67*	
		For Elevated Installation >20' To 25', Add	*9.58*	
		For Elevated Installation >25' To 30', Add	*13.42*	
		For Elevated Installation >30' To 35', Add	*15.33*	
		For Elevated Installation >35' To 40', Add	*19.17*	
		For Elevated Installation >40', Add	*21.08*	
26 05 33 13-0723	EA	3/4" Electrical Metallic Tubing (EMT) Expansion Coupling	73.86	18.55
		For Work In Restricted Working Space, Add	*13.94*	
		For Elevated Installation >10' To 15', Add	*4.65*	
		For Elevated Installation >15' To 20', Add	*9.29*	
		For Elevated Installation >20' To 25', Add	*11.62*	
		For Elevated Installation >25' To 30', Add	*16.26*	
		For Elevated Installation >30' To 35', Add	*18.58*	
		For Elevated Installation >35' To 40', Add	*23.23*	
		For Elevated Installation >40', Add	*25.55*	
26 05 33 13-0724	EA	1" Electrical Metallic Tubing (EMT) Expansion Coupling	90.80	23.27
		For Work In Restricted Working Space, Add	*17.42*	
		For Elevated Installation >10' To 15', Add	*5.81*	
		For Elevated Installation >15' To 20', Add	*11.62*	
		For Elevated Installation >20' To 25', Add	*14.52*	
		For Elevated Installation >25' To 30', Add	*20.33*	
		For Elevated Installation >30' To 35', Add	*23.23*	
		For Elevated Installation >35' To 40', Add	*29.04*	
		For Elevated Installation >40', Add	*31.94*	
26 05 33 13-0725	EA	1-1/4" Electrical Metallic Tubing (EMT) Expansion Coupling	117.29	28.56
		For Work In Restricted Working Space, Add	*21.44*	
		For Elevated Installation >10' To 15', Add	*7.15*	
		For Elevated Installation >15' To 20', Add	*14.29*	
		For Elevated Installation >20' To 25', Add	*17.86*	
		For Elevated Installation >25' To 30', Add	*25.01*	
		For Elevated Installation >30' To 35', Add	*28.58*	
		For Elevated Installation >35' To 40', Add	*35.73*	
		For Elevated Installation >40', Add	*39.30*	
26 05 33 13-0726	EA	1-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	145.56	33.52
		For Work In Restricted Working Space, Add	*25.14*	
		For Elevated Installation >10' To 15', Add	*8.38*	
		For Elevated Installation >15' To 20', Add	*16.76*	
		For Elevated Installation >20' To 25', Add	*20.95*	
		For Elevated Installation >25' To 30', Add	*29.33*	
		For Elevated Installation >30' To 35', Add	*33.52*	
		For Elevated Installation >35' To 40', Add	*41.90*	
		For Elevated Installation >40', Add	*46.08*	
26 05 33 13-0727	EA	2" Electrical Metallic Tubing (EMT) Expansion Coupling	182.37	40.77
		For Work In Restricted Working Space, Add	*30.61*	
		For Elevated Installation >10' To 15', Add	*10.20*	
		For Elevated Installation >15' To 20', Add	*20.41*	
		For Elevated Installation >20' To 25', Add	*25.51*	
		For Elevated Installation >25' To 30', Add	*35.71*	
		For Elevated Installation >30' To 35', Add	*40.82*	
		For Elevated Installation >35' To 40', Add	*51.02*	
		For Elevated Installation >40', Add	*56.12*	
26 05 33 13-0728	EA	2-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	346.07	52.41
		For Work In Restricted Working Space, Add	*39.32*	
		For Elevated Installation >10' To 15', Add	*13.11*	
		For Elevated Installation >15' To 20', Add	*26.21*	
		For Elevated Installation >20' To 25', Add	*32.76*	
		For Elevated Installation >25' To 30', Add	*45.87*	
		For Elevated Installation >30' To 35', Add	*52.42*	
		For Elevated Installation >35' To 40', Add	*65.53*	
		For Elevated Installation >40', Add	*72.08*	
26 05 33 13-0729	EA	3" Electrical Metallic Tubing (EMT) Expansion Coupling	423.04	61.28
		For Work In Restricted Working Space, Add	*45.97*	
		For Elevated Installation >10' To 15', Add	*15.32*	
		For Elevated Installation >15' To 20', Add	*30.65*	
		For Elevated Installation >20' To 25', Add	*38.31*	
		For Elevated Installation >25' To 30', Add	*53.63*	
		For Elevated Installation >30' To 35', Add	*61.29*	
		For Elevated Installation >35' To 40', Add	*76.62*	
		For Elevated Installation >40', Add	*84.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0730	EA	3-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	518.88	66.80
		For Work In Restricted Working Space, Add	*50.12*	
		For Elevated Installation >10' To 15', Add	*16.71*	
		For Elevated Installation >15' To 20', Add	*33.41*	
		For Elevated Installation >20' To 25', Add	*41.77*	
		For Elevated Installation >25' To 30', Add	*58.47*	
		For Elevated Installation >30' To 35', Add	*66.82*	
		For Elevated Installation >35' To 40', Add	*83.53*	
		For Elevated Installation >40', Add	*91.88*	
26 05 33 13-0731	EA	4" Electrical Metallic Tubing (EMT) Expansion Coupling	561.72	73.71
		For Work In Restricted Working Space, Add	*55.30*	
		For Elevated Installation >10' To 15', Add	*18.43*	
		For Elevated Installation >15' To 20', Add	*36.87*	
		For Elevated Installation >20' To 25', Add	*46.09*	
		For Elevated Installation >25' To 30', Add	*64.52*	
		For Elevated Installation >30' To 35', Add	*73.74*	
		For Elevated Installation >35' To 40', Add	*92.17*	
		For Elevated Installation >40', Add	*101.39*	

26 05 33 13-0732 Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapters

(26 05 33 13-0599)

26 05 33 13-0733	EA	1/2" To 3/8" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	11.61	4.15
		For Work In Restricted Working Space, Add	*3.07*	
		For Elevated Installation >10' To 15', Add	*1.02*	
		For Elevated Installation >15' To 20', Add	*2.04*	
		For Elevated Installation >20' To 25', Add	*2.56*	
		For Elevated Installation >25' To 30', Add	*3.58*	
		For Elevated Installation >30' To 35', Add	*4.09*	
		For Elevated Installation >35' To 40', Add	*5.11*	
		For Elevated Installation >40', Add	*5.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.07*	
26 05 33 13-0734	EA	1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	12.36	4.15
		For Work In Restricted Working Space, Add	*3.07*	
		For Elevated Installation >10' To 15', Add	*1.02*	
		For Elevated Installation >15' To 20', Add	*2.04*	
		For Elevated Installation >20' To 25', Add	*2.56*	
		For Elevated Installation >25' To 30', Add	*3.58*	
		For Elevated Installation >30' To 35', Add	*4.09*	
		For Elevated Installation >35' To 40', Add	*5.11*	
		For Elevated Installation >40', Add	*5.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.07*	
26 05 33 13-0735	EA	3/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	13.83	4.49
		For Work In Restricted Working Space, Add	*3.41*	
		For Elevated Installation >10' To 15', Add	*1.14*	
		For Elevated Installation >15' To 20', Add	*2.27*	
		For Elevated Installation >20' To 25', Add	*2.84*	
		For Elevated Installation >25' To 30', Add	*3.98*	
		For Elevated Installation >30' To 35', Add	*4.55*	
		For Elevated Installation >35' To 40', Add	*5.69*	
		For Elevated Installation >40', Add	*6.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.41*	
26 05 33 13-0736	EA	1" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	16.08	5.18
		For Work In Restricted Working Space, Add	*3.88*	
		For Elevated Installation >10' To 15', Add	*1.29*	
		For Elevated Installation >15' To 20', Add	*2.59*	
		For Elevated Installation >20' To 25', Add	*3.23*	
		For Elevated Installation >25' To 30', Add	*4.53*	
		For Elevated Installation >30' To 35', Add	*5.17*	
		For Elevated Installation >35' To 40', Add	*6.47*	
		For Elevated Installation >40', Add	*7.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.88*	
26 05 33 13-0737	EA	1-1/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	22.77	6.22
		For Work In Restricted Working Space, Add	*4.69*	
		For Elevated Installation >10' To 15', Add	*1.56*	
		For Elevated Installation >15' To 20', Add	*3.13*	
		For Elevated Installation >20' To 25', Add	*3.91*	
		For Elevated Installation >25' To 30', Add	*5.47*	
		For Elevated Installation >30' To 35', Add	*6.26*	
		For Elevated Installation >35' To 40', Add	*7.82*	
		For Elevated Installation >40', Add	*8.60*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.69*	
26 05 33 13-0738	EA	1-1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	27.79	7.14
		For Work In Restricted Working Space, Add	*5.36*	
		For Elevated Installation >10' To 15', Add	*1.79*	
		For Elevated Installation >15' To 20', Add	*3.57*	
		For Elevated Installation >20' To 25', Add	*4.47*	
		For Elevated Installation >25' To 30', Add	*6.25*	
		For Elevated Installation >30' To 35', Add	*7.15*	
		For Elevated Installation >35' To 40', Add	*8.94*	
		For Elevated Installation >40', Add	*9.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0739	EA	2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	36.18	8.98
		For Work In Restricted Working Space, Add	*6.70*	
		For Elevated Installation >10' To 15', Add	*2.23*	
		For Elevated Installation >15' To 20', Add	*4.47*	
		For Elevated Installation >20' To 25', Add	*5.59*	
		For Elevated Installation >25' To 30', Add	*7.82*	
		For Elevated Installation >30' To 35', Add	*8.94*	
		For Elevated Installation >35' To 40', Add	*11.17*	
		For Elevated Installation >40', Add	*12.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.70*	

26 05 33 13-0740 Electrical Metallic Tubing (EMT) Pulling Elbows *(26 05 33 13-0599)*

26 05 33 13-0741	EA	1/2" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws	24.33	10.37
		For Work In Restricted Working Space, Add	*6.22*	
		For Elevated Installation >15' To 20', Add	*4.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.22*	
26 05 33 13-0742	EA	3/4" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws	28.37	12.09
		For Work In Restricted Working Space, Add	*7.26*	
		For Elevated Installation >15' To 20', Add	*4.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.26*	
26 05 33 13-0743	EA	1" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws	35.11	13.82
		For Work In Restricted Working Space, Add	*8.30*	
		For Elevated Installation >15' To 20', Add	*5.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.30*	
26 05 33 13-0744	EA	1-1/4" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws	44.82	17.27
		For Work In Restricted Working Space, Add	*10.37*	
		For Elevated Installation >15' To 20', Add	*6.91*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.37*	

26 05 33 13-0745 Intermediate Metal Conduit (IMC) *(26 05 33 13-0059)*

Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

26 05 33 13-0746 Intermediate Metal Conduit (IMC) Conduit *(26 05 33 13-0745)*

Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-2319 for field bending >1".

26 05 33 13-0747	LF	1/2" Intermediate Metal Conduit (IMC) Conduit	8.60	2.31
		For >250 To 500, Deduct	*-0.13*	
		For >500 To 1,000, Deduct	*-0.20*	
		For >1,000, Deduct	*-0.26*	
		For Installation In Metal Stud Wall, Add	*0.60*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.50*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.90*	
		For Work In Restricted Working Space, Add	*1.79*	
		For Elevated Installation >10' To 15', Add	*0.60*	
		For Elevated Installation >15' To 20', Add	*1.20*	
		For Elevated Installation >20' To 25', Add	*1.50*	
		For Elevated Installation >25' To 30', Add	*2.09*	
		For Elevated Installation >30' To 35', Add	*2.39*	
		For Elevated Installation >35' To 40', Add	*2.99*	
		For Elevated Installation >40', Add	*3.29*	
26 05 33 13-0748	LF	3/4" Intermediate Metal Conduit (IMC) Conduit	10.26	2.54
		For >250 To 500, Deduct	*-0.16*	
		For >500 To 1,000, Deduct	*-0.23*	
		For >1,000, Deduct	*-0.31*	
		For Installation In Metal Stud Wall, Add	*0.71*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.79*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.07*	
		For Work In Restricted Working Space, Add	*2.14*	
		For Elevated Installation >10' To 15', Add	*0.71*	
		For Elevated Installation >15' To 20', Add	*1.43*	
		For Elevated Installation >20' To 25', Add	*1.79*	
		For Elevated Installation >25' To 30', Add	*2.50*	
		For Elevated Installation >30' To 35', Add	*2.86*	
		For Elevated Installation >35' To 40', Add	*3.57*	
		For Elevated Installation >40', Add	*3.93*	
26 05 33 13-0749	LF	1" Intermediate Metal Conduit (IMC) Conduit	13.80	2.77
		For >250 To 500, Deduct	*-0.24*	
		For >500 To 1,000, Deduct	*-0.36*	
		For >1,000, Deduct	*-0.48*	
		For Installation In Metal Stud Wall, Add	*0.90*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.25*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.35*	
		For Work In Restricted Working Space, Add	*2.69*	
		For Elevated Installation >10' To 15', Add	*0.90*	
		For Elevated Installation >15' To 20', Add	*1.80*	
		For Elevated Installation >20' To 25', Add	*2.25*	
		For Elevated Installation >25' To 30', Add	*3.14*	
		For Elevated Installation >30' To 35', Add	*3.59*	
		For Elevated Installation >35' To 40', Add	*4.49*	
		For Elevated Installation >40', Add	*4.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0750	LF	1-1/4" Intermediate Metal Conduit (IMC) Conduit	16.01	5.53
		For >250 To 500, Deduct	*-0.31*	
		For >500 To 1,000, Deduct	*-0.46*	
		For >1,000, Deduct	*-0.61*	
		For Installation In Metal Stud Wall, Add	*0.99*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.48*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.49*	
		For Work In Restricted Working Space, Add	*2.97*	
		For Elevated Installation >10' To 15', Add	*0.99*	
		For Elevated Installation >15' To 20', Add	*1.98*	
		For Elevated Installation >20' To 25', Add	*2.48*	
		For Elevated Installation >25' To 30', Add	*3.47*	
		For Elevated Installation >30' To 35', Add	*3.96*	
		For Elevated Installation >35' To 40', Add	*4.95*	
		For Elevated Installation >40', Add	*5.45*	
26 05 33 13-0751	LF	1-1/2" Intermediate Metal Conduit (IMC) Conduit	18.04	3.69
		For >250 To 500, Deduct	*-0.36*	
		For >500 To 1,000, Deduct	*-0.54*	
		For >1,000, Deduct	*-0.72*	
		For Installation In Metal Stud Wall, Add	*1.08*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.71*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.62*	
		For Work In Restricted Working Space, Add	*3.25*	
		For Elevated Installation >10' To 15', Add	*1.08*	
		For Elevated Installation >15' To 20', Add	*2.17*	
		For Elevated Installation >20' To 25', Add	*2.71*	
		For Elevated Installation >25' To 30', Add	*3.79*	
		For Elevated Installation >30' To 35', Add	*4.33*	
		For Elevated Installation >35' To 40', Add	*5.42*	
		For Elevated Installation >40', Add	*5.96*	
26 05 33 13-0752	LF	2" Intermediate Metal Conduit (IMC) Conduit	22.92	4.15
		For >250 To 500, Deduct	*-0.49*	
		For >500 To 1,000, Deduct	*-0.73*	
		For >1,000, Deduct	*-0.98*	
		For Installation In Metal Stud Wall, Add	*1.31*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*3.28*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.97*	
		For Work In Restricted Working Space, Add	*3.94*	
		For Elevated Installation >10' To 15', Add	*1.31*	
		For Elevated Installation >15' To 20', Add	*2.63*	
		For Elevated Installation >20' To 25', Add	*3.28*	
		For Elevated Installation >25' To 30', Add	*4.60*	
		For Elevated Installation >30' To 35', Add	*5.25*	
		For Elevated Installation >35' To 40', Add	*6.57*	
		For Elevated Installation >40', Add	*7.22*	
26 05 33 13-0753	LF	2-1/2" Intermediate Metal Conduit (IMC) Conduit	39.07	5.53
		For >250 To 500, Deduct	*-1.08*	
		For >500 To 1,000, Deduct	*-1.63*	
		For >1,000, Deduct	*-2.17*	
		For Installation In Metal Stud Wall, Add	*1.74*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*4.35*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*2.61*	
		For Work In Restricted Working Space, Add	*5.22*	
		For Elevated Installation >10' To 15', Add	*1.74*	
		For Elevated Installation >15' To 20', Add	*3.48*	
		For Elevated Installation >20' To 25', Add	*4.35*	
		For Elevated Installation >25' To 30', Add	*6.09*	
		For Elevated Installation >30' To 35', Add	*6.96*	
		For Elevated Installation >35' To 40', Add	*8.70*	
		For Elevated Installation >40', Add	*9.56*	
26 05 33 13-0754	LF	3" Intermediate Metal Conduit (IMC) Conduit	49.73	6.91
		For >250 To 500, Deduct	*-1.33*	
		For >500 To 1,000, Deduct	*-2.00*	
		For >1,000, Deduct	*-2.67*	
		For Installation In Metal Stud Wall, Add	*2.30*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*5.76*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*3.46*	
		For Work In Restricted Working Space, Add	*6.91*	
		For Elevated Installation >10' To 15', Add	*2.30*	
		For Elevated Installation >15' To 20', Add	*4.61*	
		For Elevated Installation >20' To 25', Add	*5.76*	
		For Elevated Installation >25' To 30', Add	*8.06*	
		For Elevated Installation >30' To 35', Add	*9.22*	
		For Elevated Installation >35' To 40', Add	*11.52*	
		For Elevated Installation >40', Add	*12.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0755	LF	3-1/2" Intermediate Metal Conduit (IMC) Conduit	57.29	8.29
		For >250 To 500, Deduct	*-1.55*	
		For >500 To 1,000, Deduct	*-2.32*	
		For >1,000, Deduct	*-3.09*	
		For Installation In Metal Stud Wall, Add	*2.64*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*6.59*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*3.96*	
		For Work In Restricted Working Space, Add	*7.91*	
		For Elevated Installation >10' To 15', Add	*2.64*	
		For Elevated Installation >15' To 20', Add	*5.27*	
		For Elevated Installation >20' To 25', Add	*6.59*	
		For Elevated Installation >25' To 30', Add	*9.23*	
		For Elevated Installation >30' To 35', Add	*10.55*	
		For Elevated Installation >35' To 40', Add	*13.19*	
		For Elevated Installation >40', Add	*14.50*	
26 05 33 13-0756	LF	4" Intermediate Metal Conduit (IMC) Conduit	67.15	9.67
		For >250 To 500, Deduct	*-1.82*	
		For >500 To 1,000, Deduct	*-2.73*	
		For >1,000, Deduct	*-3.64*	
		For Installation In Metal Stud Wall, Add	*3.08*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*7.69*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*4.61*	
		For Work In Restricted Working Space, Add	*9.23*	
		For Elevated Installation >10' To 15', Add	*3.08*	
		For Elevated Installation >15' To 20', Add	*6.15*	
		For Elevated Installation >20' To 25', Add	*7.69*	
		For Elevated Installation >25' To 30', Add	*10.77*	
		For Elevated Installation >30' To 35', Add	*12.30*	
		For Elevated Installation >35' To 40', Add	*15.38*	
		For Elevated Installation >40', Add	*16.92*	

26 05 33 13-0757 Intermediate Metal Conduit (IMC) 90 Degree Elbows *(26 05 33 13-0745)*

See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0758	EA	1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	40.08	11.40
		For Work In Restricted Working Space, Add	*8.58*	
		For Elevated Installation >10' To 15', Add	*2.86*	
		For Elevated Installation >15' To 20', Add	*5.72*	
		For Elevated Installation >20' To 25', Add	*7.15*	
		For Elevated Installation >25' To 30', Add	*10.01*	
		For Elevated Installation >30' To 35', Add	*11.44*	
		For Elevated Installation >35' To 40', Add	*14.30*	
		For Elevated Installation >40', Add	*15.73*	
26 05 33 13-0759	EA	3/4" Intermediate Metal Conduit (IMC) 90 Degree Elbow	48.44	14.16
		For Work In Restricted Working Space, Add	*10.67*	
		For Elevated Installation >10' To 15', Add	*3.56*	
		For Elevated Installation >15' To 20', Add	*7.11*	
		For Elevated Installation >20' To 25', Add	*8.89*	
		For Elevated Installation >25' To 30', Add	*12.45*	
		For Elevated Installation >30' To 35', Add	*14.22*	
		For Elevated Installation >35' To 40', Add	*17.78*	
		For Elevated Installation >40', Add	*19.56*	
26 05 33 13-0760	EA	1" Intermediate Metal Conduit (IMC) 90 Degree Elbow	61.66	17.39
		For Work In Restricted Working Space, Add	*13.01*	
		For Elevated Installation >10' To 15', Add	*4.34*	
		For Elevated Installation >15' To 20', Add	*8.67*	
		For Elevated Installation >20' To 25', Add	*10.84*	
		For Elevated Installation >25' To 30', Add	*15.18*	
		For Elevated Installation >30' To 35', Add	*17.34*	
		For Elevated Installation >35' To 40', Add	*21.68*	
		For Elevated Installation >40', Add	*23.85*	
26 05 33 13-0761	EA	1-1/4" Intermediate Metal Conduit (IMC) 90 Degree Elbow	76.01	20.16
		For Work In Restricted Working Space, Add	*15.11*	
		For Elevated Installation >10' To 15', Add	*5.04*	
		For Elevated Installation >15' To 20', Add	*10.07*	
		For Elevated Installation >20' To 25', Add	*12.59*	
		For Elevated Installation >25' To 30', Add	*17.62*	
		For Elevated Installation >30' To 35', Add	*20.14*	
		For Elevated Installation >35' To 40', Add	*25.18*	
		For Elevated Installation >40', Add	*27.69*	
26 05 33 13-0762	EA	1-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	90.25	23.15
		For Work In Restricted Working Space, Add	*17.34*	
		For Elevated Installation >10' To 15', Add	*5.78*	
		For Elevated Installation >15' To 20', Add	*11.56*	
		For Elevated Installation >20' To 25', Add	*14.45*	
		For Elevated Installation >25' To 30', Add	*20.23*	
		For Elevated Installation >30' To 35', Add	*23.12*	
		For Elevated Installation >35' To 40', Add	*28.90*	
		For Elevated Installation >40', Add	*31.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0763	EA	2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	110.29	25.45
		For Work In Restricted Working Space, Add	*19.07*	
		For Elevated Installation >10' To 15', Add	*6.36*	
		For Elevated Installation >15' To 20', Add	*12.71*	
		For Elevated Installation >20' To 25', Add	*15.89*	
		For Elevated Installation >25' To 30', Add	*22.25*	
		For Elevated Installation >30' To 35', Add	*25.43*	
		For Elevated Installation >35' To 40', Add	*31.79*	
		For Elevated Installation >40', Add	*34.96*	
26 05 33 13-0764	EA	2-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	158.80	31.79
		For Work In Restricted Working Space, Add	*23.84*	
		For Elevated Installation >10' To 15', Add	*7.95*	
		For Elevated Installation >15' To 20', Add	*15.89*	
		For Elevated Installation >20' To 25', Add	*19.87*	
		For Elevated Installation >25' To 30', Add	*27.81*	
		For Elevated Installation >30' To 35', Add	*31.79*	
		For Elevated Installation >35' To 40', Add	*39.74*	
		For Elevated Installation >40', Add	*43.71*	
26 05 33 13-0765	EA	3" Intermediate Metal Conduit (IMC) 90 Degree Elbow	229.70	43.31
		For Work In Restricted Working Space, Add	*32.48*	
		For Elevated Installation >10' To 15', Add	*10.83*	
		For Elevated Installation >15' To 20', Add	*21.65*	
		For Elevated Installation >20' To 25', Add	*27.06*	
		For Elevated Installation >25' To 30', Add	*37.89*	
		For Elevated Installation >30' To 35', Add	*43.30*	
		For Elevated Installation >35' To 40', Add	*54.13*	
		For Elevated Installation >40', Add	*59.54*	
26 05 33 13-0766	EA	3-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	336.51	48.84
		For Work In Restricted Working Space, Add	*36.63*	
		For Elevated Installation >10' To 15', Add	*12.21*	
		For Elevated Installation >15' To 20', Add	*24.42*	
		For Elevated Installation >20' To 25', Add	*30.53*	
		For Elevated Installation >25' To 30', Add	*42.74*	
		For Elevated Installation >30' To 35', Add	*48.84*	
		For Elevated Installation >35' To 40', Add	*61.06*	
		For Elevated Installation >40', Add	*67.16*	
26 05 33 13-0767	EA	4" Intermediate Metal Conduit (IMC) 90 Degree Elbow	407.62	63.58
		For Work In Restricted Working Space, Add	*47.68*	
		For Elevated Installation >10' To 15', Add	*15.89*	
		For Elevated Installation >15' To 20', Add	*31.78*	
		For Elevated Installation >20' To 25', Add	*39.73*	
		For Elevated Installation >25' To 30', Add	*55.62*	
		For Elevated Installation >30' To 35', Add	*63.57*	
		For Elevated Installation >35' To 40', Add	*79.46*	
		For Elevated Installation >40', Add	*87.41*	

26 05 33 13-0768 Intermediate Metal Conduit (IMC) Bushing Sets With Locknut *(26 05 33 13-0745)*

26 05 33 13-0769	EA	1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	15.77	5.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.49*	
26 05 33 13-0770	EA	3/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	18.63	0.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.18*	
26 05 33 13-0771	EA	1" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	24.14	8.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.56*	
26 05 33 13-0772	EA	1-1/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	29.51	10.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.95*	
26 05 33 13-0773	EA	1-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	33.09	11.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.64*	
26 05 33 13-0774	EA	2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	42.80	14.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.71*	
26 05 33 13-0775	EA	2-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	79.71	23.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.28*	
26 05 33 13-0776	EA	3" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	97.99	31.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.50*	
26 05 33 13-0777	EA	3-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	128.85	37.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.99*	
26 05 33 13-0778	EA	4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	152.24	43.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.48*	

26 05 33 13-0779 Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fittings *(26 05 33 13-0745)*

Note: 3-Piece coupling.

26 05 33 13-0780	EA	1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	52.27	18.42
		For Work In Restricted Working Space, Add	*13.84*	
		For Elevated Installation >10' To 15', Add	*4.61*	
		For Elevated Installation >15' To 20', Add	*9.22*	
		For Elevated Installation >20' To 25', Add	*11.53*	
		For Elevated Installation >25' To 30', Add	*16.14*	
		For Elevated Installation >30' To 35', Add	*18.45*	
		For Elevated Installation >35' To 40', Add	*23.06*	
		For Elevated Installation >40', Add	*25.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0781	EA	3/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	59.41	20.62
		For Work In Restricted Working Space, Add	*15.44*	
		For Elevated Installation >10' To 15', Add	*5.15*	
		For Elevated Installation >15' To 20', Add	*10.30*	
		For Elevated Installation >20' To 25', Add	*12.87*	
		For Elevated Installation >25' To 30', Add	*18.02*	
		For Elevated Installation >30' To 35', Add	*20.59*	
		For Elevated Installation >35' To 40', Add	*25.74*	
		For Elevated Installation >40', Add	*28.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.44*	
26 05 33 13-0782	EA	1" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	72.62	22.92
		For Work In Restricted Working Space, Add	*17.20*	
		For Elevated Installation >10' To 15', Add	*5.73*	
		For Elevated Installation >15' To 20', Add	*11.47*	
		For Elevated Installation >20' To 25', Add	*14.34*	
		For Elevated Installation >25' To 30', Add	*20.07*	
		For Elevated Installation >30' To 35', Add	*22.94*	
		For Elevated Installation >35' To 40', Add	*28.67*	
		For Elevated Installation >40', Add	*31.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.20*	
26 05 33 13-0783	EA	1-1/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	90.87	25.11
		For Work In Restricted Working Space, Add	*18.83*	
		For Elevated Installation >10' To 15', Add	*6.28*	
		For Elevated Installation >15' To 20', Add	*12.55*	
		For Elevated Installation >20' To 25', Add	*15.69*	
		For Elevated Installation >25' To 30', Add	*21.96*	
		For Elevated Installation >30' To 35', Add	*25.10*	
		For Elevated Installation >35' To 40', Add	*31.38*	
		For Elevated Installation >40', Add	*34.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.83*	
26 05 33 13-0784	EA	1-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	103.95	27.42
		For Work In Restricted Working Space, Add	*20.60*	
		For Elevated Installation >10' To 15', Add	*6.87*	
		For Elevated Installation >15' To 20', Add	*13.73*	
		For Elevated Installation >20' To 25', Add	*17.17*	
		For Elevated Installation >25' To 30', Add	*24.03*	
		For Elevated Installation >30' To 35', Add	*27.46*	
		For Elevated Installation >35' To 40', Add	*34.33*	
		For Elevated Installation >40', Add	*37.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.60*	
26 05 33 13-0785	EA	2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	144.92	29.71
		For Work In Restricted Working Space, Add	*22.31*	
		For Elevated Installation >10' To 15', Add	*7.44*	
		For Elevated Installation >15' To 20', Add	*14.87*	
		For Elevated Installation >20' To 25', Add	*18.59*	
		For Elevated Installation >25' To 30', Add	*26.02*	
		For Elevated Installation >30' To 35', Add	*29.74*	
		For Elevated Installation >35' To 40', Add	*37.18*	
		For Elevated Installation >40', Add	*40.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.31*	
26 05 33 13-0786	EA	2-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	243.10	36.86
		For Work In Restricted Working Space, Add	*27.64*	
		For Elevated Installation >10' To 15', Add	*9.21*	
		For Elevated Installation >15' To 20', Add	*18.43*	
		For Elevated Installation >20' To 25', Add	*23.04*	
		For Elevated Installation >25' To 30', Add	*32.25*	
		For Elevated Installation >30' To 35', Add	*36.86*	
		For Elevated Installation >35' To 40', Add	*46.07*	
		For Elevated Installation >40', Add	*50.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.64*	
26 05 33 13-0787	EA	3" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	345.39	46.07
		For Work In Restricted Working Space, Add	*34.55*	
		For Elevated Installation >10' To 15', Add	*11.52*	
		For Elevated Installation >15' To 20', Add	*23.04*	
		For Elevated Installation >20' To 25', Add	*28.80*	
		For Elevated Installation >25' To 30', Add	*40.31*	
		For Elevated Installation >30' To 35', Add	*46.07*	
		For Elevated Installation >35' To 40', Add	*57.59*	
		For Elevated Installation >40', Add	*63.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.55*	
26 05 33 13-0788	EA	3-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	508.12	55.29
		For Work In Restricted Working Space, Add	*41.48*	
		For Elevated Installation >10' To 15', Add	*13.83*	
		For Elevated Installation >15' To 20', Add	*27.65*	
		For Elevated Installation >20' To 25', Add	*34.57*	
		For Elevated Installation >25' To 30', Add	*48.39*	
		For Elevated Installation >30' To 35', Add	*55.31*	
		For Elevated Installation >35' To 40', Add	*69.14*	
		For Elevated Installation >40', Add	*76.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0789	EA	4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	587.50	59.90
		For Work In Restricted Working Space, Add	*44.92*	
		For Elevated Installation >10' To 15', Add	*14.97*	
		For Elevated Installation >15' To 20', Add	*29.94*	
		For Elevated Installation >20' To 25', Add	*37.43*	
		For Elevated Installation >25' To 30', Add	*52.40*	
		For Elevated Installation >30' To 35', Add	*59.89*	
		For Elevated Installation >35' To 40', Add	*74.86*	
		For Elevated Installation >40', Add	*82.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.92*	

26 05 33 13-0790 Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connectors *(26 05 33 13-0745)*

26 05 33 13-0791	EA	1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	29.74	9.21
		For Work In Restricted Working Space, Add	*6.91*	
		For Elevated Installation >10' To 15', Add	*2.30*	
		For Elevated Installation >15' To 20', Add	*4.61*	
		For Elevated Installation >20' To 25', Add	*5.76*	
		For Elevated Installation >25' To 30', Add	*8.06*	
		For Elevated Installation >30' To 35', Add	*9.22*	
		For Elevated Installation >35' To 40', Add	*11.52*	
		For Elevated Installation >40', Add	*12.67*	
26 05 33 13-0792	EA	3/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	33.27	10.13
		For Work In Restricted Working Space, Add	*7.60*	
		For Elevated Installation >10' To 15', Add	*2.53*	
		For Elevated Installation >15' To 20', Add	*5.07*	
		For Elevated Installation >20' To 25', Add	*6.34*	
		For Elevated Installation >25' To 30', Add	*8.87*	
		For Elevated Installation >30' To 35', Add	*10.14*	
		For Elevated Installation >35' To 40', Add	*12.67*	
		For Elevated Installation >40', Add	*13.94*	
26 05 33 13-0793	EA	1" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	38.23	11.52
		For Work In Restricted Working Space, Add	*8.64*	
		For Elevated Installation >10' To 15', Add	*2.88*	
		For Elevated Installation >15' To 20', Add	*5.76*	
		For Elevated Installation >20' To 25', Add	*7.20*	
		For Elevated Installation >25' To 30', Add	*10.08*	
		For Elevated Installation >30' To 35', Add	*11.52*	
		For Elevated Installation >35' To 40', Add	*14.40*	
		For Elevated Installation >40', Add	*15.84*	
26 05 33 13-0794	EA	1-1/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	43.55	12.44
		For Work In Restricted Working Space, Add	*9.33*	
		For Elevated Installation >10' To 15', Add	*3.11*	
		For Elevated Installation >15' To 20', Add	*6.22*	
		For Elevated Installation >20' To 25', Add	*7.78*	
		For Elevated Installation >25' To 30', Add	*10.89*	
		For Elevated Installation >30' To 35', Add	*12.44*	
		For Elevated Installation >35' To 40', Add	*15.55*	
		For Elevated Installation >40', Add	*17.11*	
26 05 33 13-0795	EA	1-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	51.91	13.82
		For Work In Restricted Working Space, Add	*10.37*	
		For Elevated Installation >10' To 15', Add	*3.46*	
		For Elevated Installation >15' To 20', Add	*6.91*	
		For Elevated Installation >20' To 25', Add	*8.64*	
		For Elevated Installation >25' To 30', Add	*12.09*	
		For Elevated Installation >30' To 35', Add	*13.82*	
		For Elevated Installation >35' To 40', Add	*17.28*	
		For Elevated Installation >40', Add	*19.00*	
26 05 33 13-0796	EA	2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	63.67	15.21
		For Work In Restricted Working Space, Add	*11.40*	
		For Elevated Installation >10' To 15', Add	*3.80*	
		For Elevated Installation >15' To 20', Add	*7.60*	
		For Elevated Installation >20' To 25', Add	*9.50*	
		For Elevated Installation >25' To 30', Add	*13.30*	
		For Elevated Installation >30' To 35', Add	*15.20*	
		For Elevated Installation >35' To 40', Add	*19.01*	
		For Elevated Installation >40', Add	*20.91*	
26 05 33 13-0797	EA	2-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	87.21	18.42
		For Work In Restricted Working Space, Add	*13.82*	
		For Elevated Installation >10' To 15', Add	*4.61*	
		For Elevated Installation >15' To 20', Add	*9.21*	
		For Elevated Installation >20' To 25', Add	*11.52*	
		For Elevated Installation >25' To 30', Add	*16.12*	
		For Elevated Installation >30' To 35', Add	*18.43*	
		For Elevated Installation >35' To 40', Add	*23.04*	
		For Elevated Installation >40', Add	*25.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0798	EA	3" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	107.79	23.04
		For Work In Restricted Working Space, Add	*17.28*	
		For Elevated Installation >10' To 15', Add	*5.76*	
		For Elevated Installation >15' To 20', Add	*11.52*	
		For Elevated Installation >20' To 25', Add	*14.40*	
		For Elevated Installation >25' To 30', Add	*20.16*	
		For Elevated Installation >30' To 35', Add	*23.04*	
		For Elevated Installation >35' To 40', Add	*28.80*	
		For Elevated Installation >40', Add	*31.67*	
26 05 33 13-0799	EA	3-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	129.49	27.65
		For Work In Restricted Working Space, Add	*20.73*	
		For Elevated Installation >10' To 15', Add	*6.91*	
		For Elevated Installation >15' To 20', Add	*13.82*	
		For Elevated Installation >20' To 25', Add	*17.28*	
		For Elevated Installation >25' To 30', Add	*24.19*	
		For Elevated Installation >30' To 35', Add	*27.64*	
		For Elevated Installation >35' To 40', Add	*34.56*	
		For Elevated Installation >40', Add	*38.01*	
26 05 33 13-0800	EA	4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	146.57	29.94
		For Work In Restricted Working Space, Add	*22.46*	
		For Elevated Installation >10' To 15', Add	*7.49*	
		For Elevated Installation >15' To 20', Add	*14.97*	
		For Elevated Installation >20' To 25', Add	*18.72*	
		For Elevated Installation >25' To 30', Add	*26.20*	
		For Elevated Installation >30' To 35', Add	*29.95*	
		For Elevated Installation >35' To 40', Add	*37.44*	
		For Elevated Installation >40', Add	*41.18*	

26 05 33 13-0801 Intermediate Metal Conduit (IMC) Rain Tight Threaded Hubs *(26 05 33 13-0745)*

26 05 33 13-0802	EA	1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	25.83	9.21
		For Work In Restricted Working Space, Add	*6.91*	
		For Elevated Installation >10' To 15', Add	*2.30*	
		For Elevated Installation >15' To 20', Add	*4.61*	
		For Elevated Installation >20' To 25', Add	*5.76*	
		For Elevated Installation >25' To 30', Add	*8.06*	
		For Elevated Installation >30' To 35', Add	*9.22*	
		For Elevated Installation >35' To 40', Add	*11.52*	
		For Elevated Installation >40', Add	*12.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.91*	
26 05 33 13-0803	EA	3/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	32.98	11.52
		For Work In Restricted Working Space, Add	*8.64*	
		For Elevated Installation >10' To 15', Add	*2.88*	
		For Elevated Installation >15' To 20', Add	*5.76*	
		For Elevated Installation >20' To 25', Add	*7.20*	
		For Elevated Installation >25' To 30', Add	*10.08*	
		For Elevated Installation >30' To 35', Add	*11.52*	
		For Elevated Installation >35' To 40', Add	*14.40*	
		For Elevated Installation >40', Add	*15.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.64*	
26 05 33 13-0804	EA	1" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	40.74	13.82
		For Work In Restricted Working Space, Add	*10.37*	
		For Elevated Installation >10' To 15', Add	*3.46*	
		For Elevated Installation >15' To 20', Add	*6.91*	
		For Elevated Installation >20' To 25', Add	*8.64*	
		For Elevated Installation >25' To 30', Add	*12.09*	
		For Elevated Installation >30' To 35', Add	*13.82*	
		For Elevated Installation >35' To 40', Add	*17.28*	
		For Elevated Installation >40', Add	*19.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.37*	
26 05 33 13-0805	EA	1-1/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	49.08	16.13
		For Work In Restricted Working Space, Add	*12.10*	
		For Elevated Installation >10' To 15', Add	*4.03*	
		For Elevated Installation >15' To 20', Add	*8.06*	
		For Elevated Installation >20' To 25', Add	*10.08*	
		For Elevated Installation >25' To 30', Add	*14.11*	
		For Elevated Installation >30' To 35', Add	*16.13*	
		For Elevated Installation >35' To 40', Add	*20.16*	
		For Elevated Installation >40', Add	*22.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.10*	
26 05 33 13-0806	EA	1-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	57.35	18.42
		For Work In Restricted Working Space, Add	*13.82*	
		For Elevated Installation >10' To 15', Add	*4.61*	
		For Elevated Installation >15' To 20', Add	*9.21*	
		For Elevated Installation >20' To 25', Add	*11.52*	
		For Elevated Installation >25' To 30', Add	*16.12*	
		For Elevated Installation >30' To 35', Add	*18.43*	
		For Elevated Installation >35' To 40', Add	*23.04*	
		For Elevated Installation >40', Add	*25.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0807	EA	2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	68.13	20.73
		For Work In Restricted Working Space, Add	*15.55*	
		For Elevated Installation >10' To 15', Add	*5.18*	
		For Elevated Installation >15' To 20', Add	*10.37*	
		For Elevated Installation >20' To 25', Add	*12.96*	
		For Elevated Installation >25' To 30', Add	*18.14*	
		For Elevated Installation >30' To 35', Add	*20.73*	
		For Elevated Installation >35' To 40', Add	*25.92*	
		For Elevated Installation >40', Add	*28.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.55*	
26 05 33 13-0808	EA	2-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	84.91	23.04
		For Work In Restricted Working Space, Add	*17.28*	
		For Elevated Installation >10' To 15', Add	*5.76*	
		For Elevated Installation >15' To 20', Add	*11.52*	
		For Elevated Installation >20' To 25', Add	*14.40*	
		For Elevated Installation >25' To 30', Add	*20.16*	
		For Elevated Installation >30' To 35', Add	*23.04*	
		For Elevated Installation >35' To 40', Add	*28.80*	
		For Elevated Installation >40', Add	*31.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.28*	
26 05 33 13-0809	EA	3" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	100.14	25.34
		For Work In Restricted Working Space, Add	*19.00*	
		For Elevated Installation >10' To 15', Add	*6.33*	
		For Elevated Installation >15' To 20', Add	*12.67*	
		For Elevated Installation >20' To 25', Add	*15.84*	
		For Elevated Installation >25' To 30', Add	*22.17*	
		For Elevated Installation >30' To 35', Add	*25.34*	
		For Elevated Installation >35' To 40', Add	*31.67*	
		For Elevated Installation >40', Add	*34.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.00*	
26 05 33 13-0810	EA	3-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	122.57	29.94
		For Work In Restricted Working Space, Add	*22.46*	
		For Elevated Installation >10' To 15', Add	*7.49*	
		For Elevated Installation >15' To 20', Add	*14.97*	
		For Elevated Installation >20' To 25', Add	*18.72*	
		For Elevated Installation >25' To 30', Add	*26.20*	
		For Elevated Installation >30' To 35', Add	*29.95*	
		For Elevated Installation >35' To 40', Add	*37.44*	
		For Elevated Installation >40', Add	*41.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.46*	
26 05 33 13-0811	EA	4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	140.81	32.25
		For Work In Restricted Working Space, Add	*24.19*	
		For Elevated Installation >10' To 15', Add	*8.06*	
		For Elevated Installation >15' To 20', Add	*16.12*	
		For Elevated Installation >20' To 25', Add	*20.16*	
		For Elevated Installation >25' To 30', Add	*28.22*	
		For Elevated Installation >30' To 35', Add	*32.25*	
		For Elevated Installation >35' To 40', Add	*40.31*	
		For Elevated Installation >40', Add	*44.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.19*	

26 05 33 13-0812 Intermediate Metal Conduit (IMC) Expansion Fittings *(26 05 33 13-0745)*

26 05 33 13-0813	EA	1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	166.85	18.42
		For Work In Restricted Working Space, Add	*13.82*	
		For Elevated Installation >10' To 15', Add	*4.61*	
		For Elevated Installation >15' To 20', Add	*9.22*	
		For Elevated Installation >20' To 25', Add	*11.52*	
		For Elevated Installation >25' To 30', Add	*16.13*	
		For Elevated Installation >30' To 35', Add	*18.43*	
		For Elevated Installation >35' To 40', Add	*23.04*	
		For Elevated Installation >40', Add	*25.34*	
26 05 33 13-0814	EA	3/4" Intermediate Metal Conduit (IMC) Expansion Fitting	184.67	20.73
		For Work In Restricted Working Space, Add	*15.55*	
		For Elevated Installation >10' To 15', Add	*5.18*	
		For Elevated Installation >15' To 20', Add	*10.37*	
		For Elevated Installation >20' To 25', Add	*12.96*	
		For Elevated Installation >25' To 30', Add	*18.14*	
		For Elevated Installation >30' To 35', Add	*20.73*	
		For Elevated Installation >35' To 40', Add	*25.92*	
		For Elevated Installation >40', Add	*28.51*	
26 05 33 13-0815	EA	1" Intermediate Metal Conduit (IMC) Expansion Fitting	205.24	23.04
		For Work In Restricted Working Space, Add	*17.28*	
		For Elevated Installation >10' To 15', Add	*5.76*	
		For Elevated Installation >15' To 20', Add	*11.52*	
		For Elevated Installation >20' To 25', Add	*14.40*	
		For Elevated Installation >25' To 30', Add	*20.16*	
		For Elevated Installation >30' To 35', Add	*23.04*	
		For Elevated Installation >35' To 40', Add	*28.80*	
		For Elevated Installation >40', Add	*31.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0816	EA	1-1/4" Intermediate Metal Conduit (IMC) Expansion Fitting	247.52	25.34
		For Work In Restricted Working Space, Add	*19.01*	
		For Elevated Installation >10' To 15', Add	*6.34*	
		For Elevated Installation >15' To 20', Add	*12.67*	
		For Elevated Installation >20' To 25', Add	*15.84*	
		For Elevated Installation >25' To 30', Add	*22.17*	
		For Elevated Installation >30' To 35', Add	*25.34*	
		For Elevated Installation >35' To 40', Add	*31.68*	
		For Elevated Installation >40', Add	*34.84*	
26 05 33 13-0817	EA	1-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	302.72	27.65
		For Work In Restricted Working Space, Add	*20.73*	
		For Elevated Installation >10' To 15', Add	*6.91*	
		For Elevated Installation >15' To 20', Add	*13.82*	
		For Elevated Installation >20' To 25', Add	*17.28*	
		For Elevated Installation >25' To 30', Add	*24.19*	
		For Elevated Installation >30' To 35', Add	*27.64*	
		For Elevated Installation >35' To 40', Add	*34.56*	
		For Elevated Installation >40', Add	*38.01*	
26 05 33 13-0818	EA	2" Intermediate Metal Conduit (IMC) Expansion Fitting	397.00	29.94
		For Work In Restricted Working Space, Add	*22.46*	
		For Elevated Installation >10' To 15', Add	*7.49*	
		For Elevated Installation >15' To 20', Add	*14.97*	
		For Elevated Installation >20' To 25', Add	*18.72*	
		For Elevated Installation >25' To 30', Add	*26.20*	
		For Elevated Installation >30' To 35', Add	*29.94*	
		For Elevated Installation >35' To 40', Add	*37.43*	
		For Elevated Installation >40', Add	*41.17*	
26 05 33 13-0819	EA	2-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	598.15	36.86
		For Work In Restricted Working Space, Add	*27.64*	
		For Elevated Installation >10' To 15', Add	*9.21*	
		For Elevated Installation >15' To 20', Add	*18.43*	
		For Elevated Installation >20' To 25', Add	*23.04*	
		For Elevated Installation >25' To 30', Add	*32.25*	
		For Elevated Installation >30' To 35', Add	*36.86*	
		For Elevated Installation >35' To 40', Add	*46.07*	
		For Elevated Installation >40', Add	*50.68*	
26 05 33 13-0820	EA	3" Intermediate Metal Conduit (IMC) Expansion Fitting	719.39	46.07
		For Work In Restricted Working Space, Add	*34.55*	
		For Elevated Installation >10' To 15', Add	*11.52*	
		For Elevated Installation >15' To 20', Add	*23.04*	
		For Elevated Installation >20' To 25', Add	*28.80*	
		For Elevated Installation >25' To 30', Add	*40.31*	
		For Elevated Installation >30' To 35', Add	*46.07*	
		For Elevated Installation >35' To 40', Add	*57.59*	
		For Elevated Installation >40', Add	*63.35*	
26 05 33 13-0821	EA	3-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	1,001.41	55.29
		For Work In Restricted Working Space, Add	*41.47*	
		For Elevated Installation >10' To 15', Add	*13.82*	
		For Elevated Installation >15' To 20', Add	*27.65*	
		For Elevated Installation >20' To 25', Add	*34.56*	
		For Elevated Installation >25' To 30', Add	*48.38*	
		For Elevated Installation >30' To 35', Add	*55.29*	
		For Elevated Installation >35' To 40', Add	*69.12*	
		For Elevated Installation >40', Add	*76.03*	
26 05 33 13-0822	EA	4" Intermediate Metal Conduit (IMC) Expansion Fitting	1,157.51	59.90
		For Work In Restricted Working Space, Add	*44.92*	
		For Elevated Installation >10' To 15', Add	*14.97*	
		For Elevated Installation >15' To 20', Add	*29.94*	
		For Elevated Installation >20' To 25', Add	*37.43*	
		For Elevated Installation >25' To 30', Add	*52.40*	
		For Elevated Installation >30' To 35', Add	*59.89*	
		For Elevated Installation >35' To 40', Add	*74.86*	
		For Elevated Installation >40', Add	*82.35*	

26 05 33 13-0823 Intermediate Metal Conduit (IMC) Sealing Fittings, Vertical/Horizontal *(26 05 33 13-0745)*

26 05 33 13-0824	EA	1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	104.06	28.79
		For Work In Restricted Working Space, Add	*17.28*	
		For Elevated Installation >10' To 15', Add	*5.76*	
		For Elevated Installation >15' To 20', Add	*11.52*	
		For Elevated Installation >20' To 25', Add	*14.40*	
		For Elevated Installation >25' To 30', Add	*20.16*	
		For Elevated Installation >30' To 35', Add	*23.04*	
		For Elevated Installation >35' To 40', Add	*28.80*	
		For Elevated Installation >40', Add	*31.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.28*	
26 05 33 13-0825	EA	3/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	123.69	34.55
		For Work In Restricted Working Space, Add	*20.73*	
		For Elevated Installation >10' To 15', Add	*6.91*	
		For Elevated Installation >15' To 20', Add	*13.82*	
		For Elevated Installation >20' To 25', Add	*17.28*	
		For Elevated Installation >25' To 30', Add	*24.19*	
		For Elevated Installation >30' To 35', Add	*27.64*	
		For Elevated Installation >35' To 40', Add	*34.56*	
		For Elevated Installation >40', Add	*38.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0826	EA	1" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	150.77	40.31
		For Work In Restricted Working Space, Add	*24.19*	
		For Elevated Installation >10' To 15', Add	*8.06*	
		For Elevated Installation >15' To 20', Add	*16.13*	
		For Elevated Installation >20' To 25', Add	*20.16*	
		For Elevated Installation >25' To 30', Add	*28.22*	
		For Elevated Installation >30' To 35', Add	*32.25*	
		For Elevated Installation >35' To 40', Add	*40.32*	
		For Elevated Installation >40', Add	*44.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.19*	
26 05 33 13-0827	EA	1-1/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	177.32	46.07
		For Work In Restricted Working Space, Add	*27.64*	
		For Elevated Installation >10' To 15', Add	*9.21*	
		For Elevated Installation >15' To 20', Add	*18.43*	
		For Elevated Installation >20' To 25', Add	*23.04*	
		For Elevated Installation >25' To 30', Add	*32.25*	
		For Elevated Installation >30' To 35', Add	*36.86*	
		For Elevated Installation >35' To 40', Add	*46.07*	
		For Elevated Installation >40', Add	*50.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.64*	
26 05 33 13-0828	EA	1-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	231.90	51.83
		For Work In Restricted Working Space, Add	*31.10*	
		For Elevated Installation >10' To 15', Add	*10.37*	
		For Elevated Installation >15' To 20', Add	*20.73*	
		For Elevated Installation >20' To 25', Add	*25.92*	
		For Elevated Installation >25' To 30', Add	*36.28*	
		For Elevated Installation >30' To 35', Add	*41.46*	
		For Elevated Installation >35' To 40', Add	*51.83*	
		For Elevated Installation >40', Add	*57.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.10*	
26 05 33 13-0829	EA	2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	281.33	57.59
		For Work In Restricted Working Space, Add	*34.55*	
		For Elevated Installation >10' To 15', Add	*11.52*	
		For Elevated Installation >15' To 20', Add	*23.04*	
		For Elevated Installation >20' To 25', Add	*28.80*	
		For Elevated Installation >25' To 30', Add	*40.31*	
		For Elevated Installation >30' To 35', Add	*46.07*	
		For Elevated Installation >35' To 40', Add	*57.59*	
		For Elevated Installation >40', Add	*63.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.55*	
26 05 33 13-0830	EA	2-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	396.37	69.11
		For Work In Restricted Working Space, Add	*41.47*	
		For Elevated Installation >10' To 15', Add	*13.82*	
		For Elevated Installation >15' To 20', Add	*27.64*	
		For Elevated Installation >20' To 25', Add	*34.56*	
		For Elevated Installation >25' To 30', Add	*48.38*	
		For Elevated Installation >30' To 35', Add	*55.29*	
		For Elevated Installation >35' To 40', Add	*69.11*	
		For Elevated Installation >40', Add	*76.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.47*	
26 05 33 13-0831	EA	3" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	476.59	80.63
		For Work In Restricted Working Space, Add	*48.38*	
		For Elevated Installation >10' To 15', Add	*16.13*	
		For Elevated Installation >15' To 20', Add	*32.25*	
		For Elevated Installation >20' To 25', Add	*40.31*	
		For Elevated Installation >25' To 30', Add	*56.44*	
		For Elevated Installation >30' To 35', Add	*64.50*	
		For Elevated Installation >35' To 40', Add	*80.63*	
		For Elevated Installation >40', Add	*88.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.38*	
26 05 33 13-0832	EA	3-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	1,093.75	92.14
		For Work In Restricted Working Space, Add	*55.29*	
		For Elevated Installation >10' To 15', Add	*18.43*	
		For Elevated Installation >15' To 20', Add	*36.86*	
		For Elevated Installation >20' To 25', Add	*46.07*	
		For Elevated Installation >25' To 30', Add	*64.50*	
		For Elevated Installation >30' To 35', Add	*73.72*	
		For Elevated Installation >35' To 40', Add	*92.15*	
		For Elevated Installation >40', Add	*101.36*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.29*	
26 05 33 13-0833	EA	4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	1,259.89	103.66
		For Work In Restricted Working Space, Add	*62.20*	
		For Elevated Installation >10' To 15', Add	*20.73*	
		For Elevated Installation >15' To 20', Add	*41.47*	
		For Elevated Installation >20' To 25', Add	*51.83*	
		For Elevated Installation >25' To 30', Add	*72.57*	
		For Elevated Installation >30' To 35', Add	*82.93*	
		For Elevated Installation >35' To 40', Add	*103.67*	
		For Elevated Installation >40', Add	*114.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*62.20*	

26 05 33 13-0834 Intermediate Metal Conduit (IMC) Threaded Couplings *(26 05 33 13-0745)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0835	EA	1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	15.40	5.53
		For Work In Restricted Working Space, Add	*4.14*	
		For Elevated Installation >10' To 15', Add	*1.38*	
		For Elevated Installation >15' To 20', Add	*2.76*	
		For Elevated Installation >20' To 25', Add	*3.45*	
		For Elevated Installation >25' To 30', Add	*4.83*	
		For Elevated Installation >30' To 35', Add	*5.52*	
		For Elevated Installation >35' To 40', Add	*6.91*	
		For Elevated Installation >40', Add	*7.60*	
26 05 33 13-0836	EA	3/4" Intermediate Metal Conduit (IMC) Threaded Coupling	21.51	7.83
		For Work In Restricted Working Space, Add	*5.88*	
		For Elevated Installation >10' To 15', Add	*1.96*	
		For Elevated Installation >15' To 20', Add	*3.92*	
		For Elevated Installation >20' To 25', Add	*4.90*	
		For Elevated Installation >25' To 30', Add	*6.86*	
		For Elevated Installation >30' To 35', Add	*7.84*	
		For Elevated Installation >35' To 40', Add	*9.80*	
		For Elevated Installation >40', Add	*10.77*	
26 05 33 13-0837	EA	1" Intermediate Metal Conduit (IMC) Threaded Coupling	28.19	10.13
		For Work In Restricted Working Space, Add	*7.60*	
		For Elevated Installation >10' To 15', Add	*2.53*	
		For Elevated Installation >15' To 20', Add	*5.06*	
		For Elevated Installation >20' To 25', Add	*6.33*	
		For Elevated Installation >25' To 30', Add	*8.86*	
		For Elevated Installation >30' To 35', Add	*10.13*	
		For Elevated Installation >35' To 40', Add	*12.66*	
		For Elevated Installation >40', Add	*13.93*	
26 05 33 13-0838	EA	1-1/4" Intermediate Metal Conduit (IMC) Threaded Coupling	32.39	11.52
		For Work In Restricted Working Space, Add	*8.64*	
		For Elevated Installation >10' To 15', Add	*2.88*	
		For Elevated Installation >15' To 20', Add	*5.76*	
		For Elevated Installation >20' To 25', Add	*7.20*	
		For Elevated Installation >25' To 30', Add	*10.08*	
		For Elevated Installation >30' To 35', Add	*11.52*	
		For Elevated Installation >35' To 40', Add	*14.40*	
		For Elevated Installation >40', Add	*15.84*	
26 05 33 13-0839	EA	1-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	39.06	13.82
		For Work In Restricted Working Space, Add	*10.36*	
		For Elevated Installation >10' To 15', Add	*3.45*	
		For Elevated Installation >15' To 20', Add	*6.91*	
		For Elevated Installation >20' To 25', Add	*8.63*	
		For Elevated Installation >25' To 30', Add	*12.09*	
		For Elevated Installation >30' To 35', Add	*13.81*	
		For Elevated Installation >35' To 40', Add	*17.27*	
		For Elevated Installation >40', Add	*18.99*	
26 05 33 13-0840	EA	2" Intermediate Metal Conduit (IMC) Threaded Coupling	45.14	15.67
		For Work In Restricted Working Space, Add	*11.75*	
		For Elevated Installation >10' To 15', Add	*3.92*	
		For Elevated Installation >15' To 20', Add	*7.84*	
		For Elevated Installation >20' To 25', Add	*9.80*	
		For Elevated Installation >25' To 30', Add	*13.71*	
		For Elevated Installation >30' To 35', Add	*15.67*	
		For Elevated Installation >35' To 40', Add	*19.59*	
		For Elevated Installation >40', Add	*21.55*	
26 05 33 13-0841	EA	2-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	56.97	17.50
		For Work In Restricted Working Space, Add	*13.13*	
		For Elevated Installation >10' To 15', Add	*4.38*	
		For Elevated Installation >15' To 20', Add	*8.75*	
		For Elevated Installation >20' To 25', Add	*10.94*	
		For Elevated Installation >25' To 30', Add	*15.32*	
		For Elevated Installation >30' To 35', Add	*17.50*	
		For Elevated Installation >35' To 40', Add	*21.88*	
		For Elevated Installation >40', Add	*24.07*	
26 05 33 13-0842	EA	3" Intermediate Metal Conduit (IMC) Threaded Coupling	67.57	19.81
		For Work In Restricted Working Space, Add	*14.86*	
		For Elevated Installation >10' To 15', Add	*4.95*	
		For Elevated Installation >15' To 20', Add	*9.91*	
		For Elevated Installation >20' To 25', Add	*12.38*	
		For Elevated Installation >25' To 30', Add	*17.34*	
		For Elevated Installation >30' To 35', Add	*19.81*	
		For Elevated Installation >35' To 40', Add	*24.77*	
		For Elevated Installation >40', Add	*27.24*	
26 05 33 13-0843	EA	3-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	78.27	21.65
		For Work In Restricted Working Space, Add	*16.25*	
		For Elevated Installation >10' To 15', Add	*5.42*	
		For Elevated Installation >15' To 20', Add	*10.83*	
		For Elevated Installation >20' To 25', Add	*13.54*	
		For Elevated Installation >25' To 30', Add	*18.95*	
		For Elevated Installation >30' To 35', Add	*21.66*	
		For Elevated Installation >35' To 40', Add	*27.08*	
		For Elevated Installation >40', Add	*29.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0844	EA	4" Intermediate Metal Conduit (IMC) Threaded Coupling	81.87	23.04
		For Work In Restricted Working Space, Add	*17.27*	
		For Elevated Installation >10' To 15', Add	*5.76*	
		For Elevated Installation >15' To 20', Add	*11.51*	
		For Elevated Installation >20' To 25', Add	*14.39*	
		For Elevated Installation >25' To 30', Add	*20.15*	
		For Elevated Installation >30' To 35', Add	*23.03*	
		For Elevated Installation >35' To 40', Add	*28.79*	
		For Elevated Installation >40', Add	*31.66*	

26 05 33 13-0845 Intermediate Metal Conduit (IMC) Reducer Bushings *(26 05 33 13-0745)*

26 05 33 13-0846	EA	1/2" To 3/4" Intermediate Metal Conduit (IMC) Reducing Bushing	7.52	2.31
		For Work In Restricted Working Space, Add	*1.73*	
		For Elevated Installation >10' To 15', Add	*0.58*	
		For Elevated Installation >15' To 20', Add	*1.15*	
		For Elevated Installation >20' To 25', Add	*1.44*	
		For Elevated Installation >25' To 30', Add	*2.01*	
		For Elevated Installation >30' To 35', Add	*2.30*	
		For Elevated Installation >35' To 40', Add	*2.88*	
		For Elevated Installation >40', Add	*3.16*	
26 05 33 13-0847	EA	3/4" To 1" Intermediate Metal Conduit (IMC) Reducing Bushing	8.55	2.31
		For Work In Restricted Working Space, Add	*1.73*	
		For Elevated Installation >10' To 15', Add	*0.58*	
		For Elevated Installation >15' To 20', Add	*1.15*	
		For Elevated Installation >20' To 25', Add	*1.44*	
		For Elevated Installation >25' To 30', Add	*2.02*	
		For Elevated Installation >30' To 35', Add	*2.30*	
		For Elevated Installation >35' To 40', Add	*2.88*	
		For Elevated Installation >40', Add	*3.17*	

26 05 33 13-0848 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit *(26 05 33 13-0059)*

Note: 40 mil polyvinyl chloride (PVC) coated, 2 mil urethane lined (Ocal Blue, Crouse-Hinds, Appleton or O-Z/Gedney). Used in hazardous locations. Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

26 05 33 13-0849 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit *(26 05 33 13-0848)*

Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-2319 for field bending >1".

26 05 33 13-0850	LF	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	14.01	3.23
		For >250 To 500, Deduct	*-0.50*	
		For >500 To 1,000, Deduct	*-0.85*	
		For >1,000, Deduct	*-1.20*	
		For Elevated Installation >10' To 15', Add	*0.81*	
		For Elevated Installation >15' To 20', Add	*1.61*	
		For Elevated Installation >20' To 25', Add	*2.02*	
		For Elevated Installation >25' To 30', Add	*2.82*	
		For Elevated Installation >30' To 35', Add	*3.22*	
		For Elevated Installation >35' To 40', Add	*4.03*	
		For Elevated Installation >40', Add	*4.43*	
		For Work In Restricted Working Space, Add	*2.42*	
26 05 33 13-0851	LF	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	16.10	3.69
		For >250 To 500, Deduct	*-0.57*	
		For >500 To 1,000, Deduct	*-0.98*	
		For >1,000, Deduct	*-1.38*	
		For Elevated Installation >10' To 15', Add	*0.92*	
		For Elevated Installation >15' To 20', Add	*1.84*	
		For Elevated Installation >20' To 25', Add	*2.30*	
		For Elevated Installation >25' To 30', Add	*3.22*	
		For Elevated Installation >30' To 35', Add	*3.68*	
		For Elevated Installation >35' To 40', Add	*4.61*	
		For Elevated Installation >40', Add	*5.07*	
		For Work In Restricted Working Space, Add	*2.76*	
26 05 33 13-0852	LF	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	20.44	4.61
		For >250 To 500, Deduct	*-0.73*	
		For >500 To 1,000, Deduct	*-1.25*	
		For >1,000, Deduct	*-1.76*	
		For Elevated Installation >10' To 15', Add	*1.15*	
		For Elevated Installation >15' To 20', Add	*2.30*	
		For Elevated Installation >20' To 25', Add	*2.88*	
		For Elevated Installation >25' To 30', Add	*4.03*	
		For Elevated Installation >30' To 35', Add	*4.61*	
		For Elevated Installation >35' To 40', Add	*5.76*	
		For Elevated Installation >40', Add	*6.34*	
		For Work In Restricted Working Space, Add	*3.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0853	LF	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	25.13	5.53
		For >250 To 500, Deduct	*-0.91*	
		For >500 To 1,000, Deduct	*-1.54*	
		For >1,000, Deduct	*-2.17*	
		For Elevated Installation >10' To 15', Add	*1.38*	
		For Elevated Installation >15' To 20', Add	*2.76*	
		For Elevated Installation >20' To 25', Add	*3.46*	
		For Elevated Installation >25' To 30', Add	*4.84*	
		For Elevated Installation >30' To 35', Add	*5.53*	
		For Elevated Installation >35' To 40', Add	*6.91*	
		For Elevated Installation >40', Add	*7.60*	
		For Work In Restricted Working Space, Add	*4.15*	
26 05 33 13-0854	LF	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	31.02	6.91
		For >250 To 500, Deduct	*-1.12*	
		For >500 To 1,000, Deduct	*-1.89*	
		For >1,000, Deduct	*-2.67*	
		For Elevated Installation >10' To 15', Add	*1.73*	
		For Elevated Installation >15' To 20', Add	*3.45*	
		For Elevated Installation >20' To 25', Add	*4.32*	
		For Elevated Installation >25' To 30', Add	*6.04*	
		For Elevated Installation >30' To 35', Add	*6.91*	
		For Elevated Installation >35' To 40', Add	*8.64*	
		For Elevated Installation >40', Add	*9.50*	
		For Work In Restricted Working Space, Add	*5.18*	
26 05 33 13-0855	LF	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	38.65	8.29
		For >250 To 500, Deduct	*-1.41*	
		For >500 To 1,000, Deduct	*-2.38*	
		For >1,000, Deduct	*-3.35*	
		For Elevated Installation >10' To 15', Add	*2.07*	
		For Elevated Installation >15' To 20', Add	*4.15*	
		For Elevated Installation >20' To 25', Add	*5.18*	
		For Elevated Installation >25' To 30', Add	*7.26*	
		For Elevated Installation >30' To 35', Add	*8.29*	
		For Elevated Installation >35' To 40', Add	*10.37*	
		For Elevated Installation >40', Add	*11.40*	
		For Work In Restricted Working Space, Add	*6.22*	
26 05 33 13-0856	LF	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	51.37	9.67
		For >250 To 500, Deduct	*-1.96*	
		For >500 To 1,000, Deduct	*-3.25*	
		For >1,000, Deduct	*-4.53*	
		For Elevated Installation >10' To 15', Add	*2.42*	
		For Elevated Installation >15' To 20', Add	*4.84*	
		For Elevated Installation >20' To 25', Add	*6.05*	
		For Elevated Installation >25' To 30', Add	*8.47*	
		For Elevated Installation >30' To 35', Add	*9.68*	
		For Elevated Installation >35' To 40', Add	*12.10*	
		For Elevated Installation >40', Add	*13.30*	
		For Work In Restricted Working Space, Add	*7.26*	
26 05 33 13-0857	LF	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	64.21	11.98
		For >250 To 500, Deduct	*-2.46*	
		For >500 To 1,000, Deduct	*-4.07*	
		For >1,000, Deduct	*-5.67*	
		For Elevated Installation >10' To 15', Add	*2.99*	
		For Elevated Installation >15' To 20', Add	*5.99*	
		For Elevated Installation >20' To 25', Add	*7.49*	
		For Elevated Installation >25' To 30', Add	*10.48*	
		For Elevated Installation >30' To 35', Add	*11.98*	
		For Elevated Installation >35' To 40', Add	*14.97*	
		For Elevated Installation >40', Add	*16.47*	
		For Work In Restricted Working Space, Add	*8.98*	
26 05 33 13-0858	LF	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	78.78	14.75
		For >250 To 500, Deduct	*-3.02*	
		For >500 To 1,000, Deduct	*-4.99*	
		For >1,000, Deduct	*-6.96*	
		For Elevated Installation >10' To 15', Add	*3.69*	
		For Elevated Installation >15' To 20', Add	*7.37*	
		For Elevated Installation >20' To 25', Add	*9.22*	
		For Elevated Installation >25' To 30', Add	*12.90*	
		For Elevated Installation >30' To 35', Add	*14.74*	
		For Elevated Installation >35' To 40', Add	*18.43*	
		For Elevated Installation >40', Add	*20.27*	
		For Work In Restricted Working Space, Add	*11.06*	
26 05 33 13-0859	LF	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	93.19	17.50
		For >250 To 500, Deduct	*-3.57*	
		For >500 To 1,000, Deduct	*-5.90*	
		For >1,000, Deduct	*-8.22*	
		For Elevated Installation >10' To 15', Add	*4.38*	
		For Elevated Installation >15' To 20', Add	*8.75*	
		For Elevated Installation >20' To 25', Add	*10.94*	
		For Elevated Installation >25' To 30', Add	*15.32*	
		For Elevated Installation >30' To 35', Add	*17.51*	
		For Elevated Installation >35' To 40', Add	*21.89*	
		For Elevated Installation >40', Add	*24.07*	
		For Work In Restricted Working Space, Add	*13.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0860	LF	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	139.41	20.73
		For >250 To 500, Deduct	*-5.67*	
		For >500 To 1,000, Deduct	*-9.16*	
		For >1,000, Deduct	*-12.65*	
		For Elevated Installation >10' To 15', Add	*5.18*	
		For Elevated Installation >15' To 20', Add	*10.37*	
		For Elevated Installation >20' To 25', Add	*12.96*	
		For Elevated Installation >25' To 30', Add	*18.14*	
		For Elevated Installation >30' To 35', Add	*20.73*	
		For Elevated Installation >35' To 40', Add	*25.92*	
		For Elevated Installation >40', Add	*28.51*	
		For Work In Restricted Working Space, Add	*15.55*	
26 05 33 13-0861	LF	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	189.12	27.65
		For >250 To 500, Deduct	*-7.73*	
		For >500 To 1,000, Deduct	*-12.46*	
		For >1,000, Deduct	*-17.18*	
		For Elevated Installation >10' To 15', Add	*6.91*	
		For Elevated Installation >15' To 20', Add	*13.82*	
		For Elevated Installation >20' To 25', Add	*17.28*	
		For Elevated Installation >25' To 30', Add	*24.19*	
		For Elevated Installation >30' To 35', Add	*27.64*	
		For Elevated Installation >35' To 40', Add	*34.56*	
		For Elevated Installation >40', Add	*38.01*	
		For Work In Restricted Working Space, Add	*20.73*	

26 05 33 13-0862 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Couplings *(26 05 33 13-0848)*

26 05 33 13-0863	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	20.10	6.91
		For Elevated Installation >10' To 15', Add	*1.38*	
		For Elevated Installation >15' To 20', Add	*2.76*	
		For Elevated Installation >20' To 25', Add	*3.46*	
		For Elevated Installation >25' To 30', Add	*4.84*	
		For Elevated Installation >30' To 35', Add	*5.53*	
		For Elevated Installation >35' To 40', Add	*6.91*	
		For Elevated Installation >40', Add	*7.60*	
		For Work In Restricted Working Space, Add	*4.15*	
26 05 33 13-0864	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	26.16	9.79
		For Elevated Installation >10' To 15', Add	*1.96*	
		For Elevated Installation >15' To 20', Add	*3.92*	
		For Elevated Installation >20' To 25', Add	*4.90*	
		For Elevated Installation >25' To 30', Add	*6.85*	
		For Elevated Installation >30' To 35', Add	*7.83*	
		For Elevated Installation >35' To 40', Add	*9.79*	
		For Elevated Installation >40', Add	*10.77*	
		For Work In Restricted Working Space, Add	*5.87*	
26 05 33 13-0865	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	33.88	12.67
		For Elevated Installation >10' To 15', Add	*2.53*	
		For Elevated Installation >15' To 20', Add	*5.07*	
		For Elevated Installation >20' To 25', Add	*6.34*	
		For Elevated Installation >25' To 30', Add	*8.87*	
		For Elevated Installation >30' To 35', Add	*10.14*	
		For Elevated Installation >35' To 40', Add	*12.67*	
		For Elevated Installation >40', Add	*13.94*	
		For Work In Restricted Working Space, Add	*7.60*	
26 05 33 13-0866	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	38.76	14.40
		For Elevated Installation >10' To 15', Add	*2.88*	
		For Elevated Installation >15' To 20', Add	*5.76*	
		For Elevated Installation >20' To 25', Add	*7.20*	
		For Elevated Installation >25' To 30', Add	*10.08*	
		For Elevated Installation >30' To 35', Add	*11.52*	
		For Elevated Installation >35' To 40', Add	*14.40*	
		For Elevated Installation >40', Add	*15.83*	
		For Work In Restricted Working Space, Add	*8.64*	
26 05 33 13-0867	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	46.40	17.27
		For Elevated Installation >10' To 15', Add	*3.46*	
		For Elevated Installation >15' To 20', Add	*6.91*	
		For Elevated Installation >20' To 25', Add	*8.64*	
		For Elevated Installation >25' To 30', Add	*12.09*	
		For Elevated Installation >30' To 35', Add	*13.82*	
		For Elevated Installation >35' To 40', Add	*17.28*	
		For Elevated Installation >40', Add	*19.00*	
		For Work In Restricted Working Space, Add	*10.37*	
26 05 33 13-0868	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	56.51	19.58
		For Elevated Installation >10' To 15', Add	*3.92*	
		For Elevated Installation >15' To 20', Add	*7.83*	
		For Elevated Installation >20' To 25', Add	*9.79*	
		For Elevated Installation >25' To 30', Add	*13.71*	
		For Elevated Installation >30' To 35', Add	*15.67*	
		For Elevated Installation >35' To 40', Add	*19.59*	
		For Elevated Installation >40', Add	*21.54*	
		For Work In Restricted Working Space, Add	*11.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0869	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	86.68	19.58
		For Elevated Installation >10' To 15', Add	*4.38*	
		For Elevated Installation >15' To 20', Add	*8.75*	
		For Elevated Installation >20' To 25', Add	*10.94*	
		For Elevated Installation >25' To 30', Add	*15.32*	
		For Elevated Installation >30' To 35', Add	*17.51*	
		For Elevated Installation >35' To 40', Add	*21.89*	
		For Elevated Installation >40', Add	*24.07*	
		For Work In Restricted Working Space, Add	*13.13*	
26 05 33 13-0870	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	101.64	27.07
		For Elevated Installation >10' To 15', Add	*4.95*	
		For Elevated Installation >15' To 20', Add	*9.91*	
		For Elevated Installation >20' To 25', Add	*12.38*	
		For Elevated Installation >25' To 30', Add	*17.34*	
		For Elevated Installation >30' To 35', Add	*19.81*	
		For Elevated Installation >35' To 40', Add	*24.77*	
		For Elevated Installation >40', Add	*27.24*	
		For Work In Restricted Working Space, Add	*14.86*	
26 05 33 13-0871	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	120.99	27.07
		For Elevated Installation >10' To 15', Add	*5.41*	
		For Elevated Installation >15' To 20', Add	*10.83*	
		For Elevated Installation >20' To 25', Add	*13.53*	
		For Elevated Installation >25' To 30', Add	*18.95*	
		For Elevated Installation >30' To 35', Add	*21.65*	
		For Elevated Installation >35' To 40', Add	*27.07*	
		For Elevated Installation >40', Add	*29.77*	
		For Work In Restricted Working Space, Add	*16.24*	
26 05 33 13-0872	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	135.76	28.79
		For Elevated Installation >10' To 15', Add	*5.76*	
		For Elevated Installation >15' To 20', Add	*11.52*	
		For Elevated Installation >20' To 25', Add	*14.40*	
		For Elevated Installation >25' To 30', Add	*20.16*	
		For Elevated Installation >30' To 35', Add	*23.04*	
		For Elevated Installation >35' To 40', Add	*28.80*	
		For Elevated Installation >40', Add	*31.67*	
		For Work In Restricted Working Space, Add	*17.28*	
26 05 33 13-0873	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	323.83	34.55
		For Elevated Installation >10' To 15', Add	*6.91*	
		For Elevated Installation >15' To 20', Add	*13.82*	
		For Elevated Installation >20' To 25', Add	*17.28*	
		For Elevated Installation >25' To 30', Add	*24.19*	
		For Elevated Installation >30' To 35', Add	*27.64*	
		For Elevated Installation >35' To 40', Add	*34.56*	
		For Elevated Installation >40', Add	*38.01*	
		For Work In Restricted Working Space, Add	*20.73*	
26 05 33 13-0874	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	365.17	40.31
		For Elevated Installation >10' To 15', Add	*8.06*	
		For Elevated Installation >15' To 20', Add	*16.13*	
		For Elevated Installation >20' To 25', Add	*20.16*	
		For Elevated Installation >25' To 30', Add	*28.22*	
		For Elevated Installation >30' To 35', Add	*32.25*	
		For Elevated Installation >35' To 40', Add	*40.32*	
		For Elevated Installation >40', Add	*44.35*	
		For Work In Restricted Working Space, Add	*24.19*	

26 05 33 13-0875 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbows *(26 05 33 13-0848)*

Note: 90, 45, or 30-degree.

26 05 33 13-0876	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	59.44	18.72
		For Elevated Installation >10' To 15', Add	*3.74*	
		For Elevated Installation >15' To 20', Add	*7.49*	
		For Elevated Installation >20' To 25', Add	*9.36*	
		For Elevated Installation >25' To 30', Add	*13.10*	
		For Elevated Installation >30' To 35', Add	*14.97*	
		For Elevated Installation >35' To 40', Add	*18.72*	
		For Elevated Installation >40', Add	*20.59*	
		For Work In Restricted Working Space, Add	*11.23*	
26 05 33 13-0877	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	69.26	23.21
		For Elevated Installation >10' To 15', Add	*4.64*	
		For Elevated Installation >15' To 20', Add	*9.28*	
		For Elevated Installation >20' To 25', Add	*11.60*	
		For Elevated Installation >25' To 30', Add	*16.24*	
		For Elevated Installation >30' To 35', Add	*18.56*	
		For Elevated Installation >35' To 40', Add	*23.21*	
		For Elevated Installation >40', Add	*25.53*	
		For Work In Restricted Working Space, Add	*13.92*	
26 05 33 13-0878	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	83.11	28.45
		For Elevated Installation >10' To 15', Add	*5.69*	
		For Elevated Installation >15' To 20', Add	*11.38*	
		For Elevated Installation >20' To 25', Add	*14.23*	
		For Elevated Installation >25' To 30', Add	*19.92*	
		For Elevated Installation >30' To 35', Add	*22.76*	
		For Elevated Installation >35' To 40', Add	*28.45*	
		For Elevated Installation >40', Add	*31.30*	
		For Work In Restricted Working Space, Add	*17.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0879	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	98.09	32.94
		For Elevated Installation >10' To 15', Add	*6.59*	
		For Elevated Installation >15' To 20', Add	*13.18*	
		For Elevated Installation >20' To 25', Add	*16.47*	
		For Elevated Installation >25' To 30', Add	*23.06*	
		For Elevated Installation >30' To 35', Add	*26.35*	
		For Elevated Installation >35' To 40', Add	*32.94*	
		For Elevated Installation >40', Add	*36.23*	
		For Work In Restricted Working Space, Add	*19.76*	
26 05 33 13-0880	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	114.44	37.43
		For Elevated Installation >10' To 15', Add	*7.49*	
		For Elevated Installation >15' To 20', Add	*14.97*	
		For Elevated Installation >20' To 25', Add	*18.72*	
		For Elevated Installation >25' To 30', Add	*26.20*	
		For Elevated Installation >30' To 35', Add	*29.94*	
		For Elevated Installation >35' To 40', Add	*37.43*	
		For Elevated Installation >40', Add	*41.17*	
		For Work In Restricted Working Space, Add	*22.46*	
26 05 33 13-0881	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	137.59	41.18
		For Elevated Installation >10' To 15', Add	*8.24*	
		For Elevated Installation >15' To 20', Add	*16.47*	
		For Elevated Installation >20' To 25', Add	*20.59*	
		For Elevated Installation >25' To 30', Add	*28.82*	
		For Elevated Installation >30' To 35', Add	*32.94*	
		For Elevated Installation >35' To 40', Add	*41.18*	
		For Elevated Installation >40', Add	*45.29*	
		For Work In Restricted Working Space, Add	*24.71*	
26 05 33 13-0882	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	207.38	51.66
		For Elevated Installation >10' To 15', Add	*10.33*	
		For Elevated Installation >15' To 20', Add	*20.66*	
		For Elevated Installation >20' To 25', Add	*25.83*	
		For Elevated Installation >25' To 30', Add	*36.16*	
		For Elevated Installation >30' To 35', Add	*41.32*	
		For Elevated Installation >35' To 40', Add	*51.66*	
		For Elevated Installation >40', Add	*56.82*	
		For Work In Restricted Working Space, Add	*30.99*	
26 05 33 13-0883	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	307.06	70.37
		For Elevated Installation >10' To 15', Add	*14.08*	
		For Elevated Installation >15' To 20', Add	*28.15*	
		For Elevated Installation >20' To 25', Add	*35.19*	
		For Elevated Installation >25' To 30', Add	*49.26*	
		For Elevated Installation >30' To 35', Add	*56.30*	
		For Elevated Installation >35' To 40', Add	*70.38*	
		For Elevated Installation >40', Add	*77.41*	
		For Work In Restricted Working Space, Add	*42.23*	
26 05 33 13-0884	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	376.94	79.35
		For Elevated Installation >10' To 15', Add	*15.87*	
		For Elevated Installation >15' To 20', Add	*31.74*	
		For Elevated Installation >20' To 25', Add	*39.68*	
		For Elevated Installation >25' To 30', Add	*55.55*	
		For Elevated Installation >30' To 35', Add	*63.49*	
		For Elevated Installation >35' To 40', Add	*79.36*	
		For Elevated Installation >40', Add	*87.30*	
		For Work In Restricted Working Space, Add	*47.62*	
26 05 33 13-0885	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	437.30	103.31
		For Elevated Installation >10' To 15', Add	*20.66*	
		For Elevated Installation >15' To 20', Add	*41.33*	
		For Elevated Installation >20' To 25', Add	*51.66*	
		For Elevated Installation >25' To 30', Add	*72.32*	
		For Elevated Installation >30' To 35', Add	*82.65*	
		For Elevated Installation >35' To 40', Add	*103.32*	
		For Elevated Installation >40', Add	*113.65*	
		For Work In Restricted Working Space, Add	*61.99*	
26 05 33 13-0886	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	892.79	168.45
		For Elevated Installation >10' To 15', Add	*33.69*	
		For Elevated Installation >15' To 20', Add	*67.38*	
		For Elevated Installation >20' To 25', Add	*84.23*	
		For Elevated Installation >25' To 30', Add	*117.92*	
		For Elevated Installation >30' To 35', Add	*134.76*	
		For Elevated Installation >35' To 40', Add	*168.45*	
		For Elevated Installation >40', Add	*185.30*	
		For Work In Restricted Working Space, Add	*101.07*	
26 05 33 13-0887	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	1,399.63	253.05
		For Elevated Installation >10' To 15', Add	*50.61*	
		For Elevated Installation >15' To 20', Add	*101.22*	
		For Elevated Installation >20' To 25', Add	*126.53*	
		For Elevated Installation >25' To 30', Add	*177.14*	
		For Elevated Installation >30' To 35', Add	*202.44*	
		For Elevated Installation >35' To 40', Add	*253.05*	
		For Elevated Installation >40', Add	*278.36*	
		For Work In Restricted Working Space, Add	*151.83*	

26 05 33 13-0888 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbows *(26 05 33 13-0848)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0889	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	134.99	28.45
		For Elevated Installation >10' To 15', Add	*5.69*	
		For Elevated Installation >15' To 20', Add	*11.38*	
		For Elevated Installation >20' To 25', Add	*14.23*	
		For Elevated Installation >25' To 30', Add	*19.92*	
		For Elevated Installation >30' To 35', Add	*22.76*	
		For Elevated Installation >35' To 40', Add	*28.45*	
		For Elevated Installation >40', Add	*31.30*	
		For Work In Restricted Working Space, Add	*17.07*	
26 05 33 13-0890	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	152.26	32.94
		For Elevated Installation >10' To 15', Add	*6.59*	
		For Elevated Installation >15' To 20', Add	*13.18*	
		For Elevated Installation >20' To 25', Add	*16.47*	
		For Elevated Installation >25' To 30', Add	*23.06*	
		For Elevated Installation >30' To 35', Add	*26.35*	
		For Elevated Installation >35' To 40', Add	*32.94*	
		For Elevated Installation >40', Add	*36.23*	
		For Work In Restricted Working Space, Add	*19.76*	
26 05 33 13-0891	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	173.75	37.43
		For Elevated Installation >10' To 15', Add	*7.49*	
		For Elevated Installation >15' To 20', Add	*14.97*	
		For Elevated Installation >20' To 25', Add	*18.72*	
		For Elevated Installation >25' To 30', Add	*26.20*	
		For Elevated Installation >30' To 35', Add	*29.94*	
		For Elevated Installation >35' To 40', Add	*37.43*	
		For Elevated Installation >40', Add	*41.17*	
		For Work In Restricted Working Space, Add	*22.46*	
26 05 33 13-0892	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	206.02	41.18
		For Elevated Installation >10' To 15', Add	*8.24*	
		For Elevated Installation >15' To 20', Add	*16.47*	
		For Elevated Installation >20' To 25', Add	*20.59*	
		For Elevated Installation >25' To 30', Add	*28.82*	
		For Elevated Installation >30' To 35', Add	*32.94*	
		For Elevated Installation >35' To 40', Add	*41.18*	
		For Elevated Installation >40', Add	*45.29*	
		For Work In Restricted Working Space, Add	*24.71*	
26 05 33 13-0893	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	284.84	51.66
		For Elevated Installation >10' To 15', Add	*10.33*	
		For Elevated Installation >15' To 20', Add	*20.66*	
		For Elevated Installation >20' To 25', Add	*25.83*	
		For Elevated Installation >25' To 30', Add	*36.16*	
		For Elevated Installation >30' To 35', Add	*41.32*	
		For Elevated Installation >35' To 40', Add	*51.66*	
		For Elevated Installation >40', Add	*56.82*	
		For Work In Restricted Working Space, Add	*30.99*	

26 05 33 13-0894 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbows *(26 05 33 13-0848)*

26 05 33 13-0895	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	149.03	28.45
		For Elevated Installation >10' To 15', Add	*5.69*	
		For Elevated Installation >15' To 20', Add	*11.38*	
		For Elevated Installation >20' To 25', Add	*14.23*	
		For Elevated Installation >25' To 30', Add	*19.92*	
		For Elevated Installation >30' To 35', Add	*22.76*	
		For Elevated Installation >35' To 40', Add	*28.45*	
		For Elevated Installation >40', Add	*31.30*	
		For Work In Restricted Working Space, Add	*17.07*	
26 05 33 13-0896	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	175.45	32.94
		For Elevated Installation >10' To 15', Add	*6.59*	
		For Elevated Installation >15' To 20', Add	*13.18*	
		For Elevated Installation >20' To 25', Add	*16.47*	
		For Elevated Installation >25' To 30', Add	*23.06*	
		For Elevated Installation >30' To 35', Add	*26.35*	
		For Elevated Installation >35' To 40', Add	*32.94*	
		For Elevated Installation >40', Add	*36.23*	
		For Work In Restricted Working Space, Add	*19.76*	
26 05 33 13-0897	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	190.37	37.43
		For Elevated Installation >10' To 15', Add	*7.49*	
		For Elevated Installation >15' To 20', Add	*14.97*	
		For Elevated Installation >20' To 25', Add	*18.72*	
		For Elevated Installation >25' To 30', Add	*26.20*	
		For Elevated Installation >30' To 35', Add	*29.94*	
		For Elevated Installation >35' To 40', Add	*37.43*	
		For Elevated Installation >40', Add	*41.17*	
		For Work In Restricted Working Space, Add	*22.46*	
26 05 33 13-0898	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	242.28	41.18
		For Elevated Installation >10' To 15', Add	*8.24*	
		For Elevated Installation >15' To 20', Add	*16.47*	
		For Elevated Installation >20' To 25', Add	*20.59*	
		For Elevated Installation >25' To 30', Add	*28.82*	
		For Elevated Installation >30' To 35', Add	*32.94*	
		For Elevated Installation >35' To 40', Add	*41.18*	
		For Elevated Installation >40', Add	*45.29*	
		For Work In Restricted Working Space, Add	*24.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0899	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	319.80	51.66
		For Elevated Installation >10' To 15', Add	*10.33*	
		For Elevated Installation >15' To 20', Add	*20.66*	
		For Elevated Installation >20' To 25', Add	*25.83*	
		For Elevated Installation >25' To 30', Add	*36.16*	
		For Elevated Installation >30' To 35', Add	*41.32*	
		For Elevated Installation >35' To 40', Add	*51.66*	
		For Elevated Installation >40', Add	*56.82*	
		For Work In Restricted Working Space, Add	*30.99*	
26 05 33 13-0900	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	410.72	70.37
		For Elevated Installation >10' To 15', Add	*14.08*	
		For Elevated Installation >15' To 20', Add	*28.15*	
		For Elevated Installation >20' To 25', Add	*35.19*	
		For Elevated Installation >25' To 30', Add	*49.26*	
		For Elevated Installation >30' To 35', Add	*56.30*	
		For Elevated Installation >35' To 40', Add	*70.38*	
		For Elevated Installation >40', Add	*77.41*	
		For Work In Restricted Working Space, Add	*42.23*	

26 05 33 13-0901 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbows *(26 05 33 13-0848)*

26 05 33 13-0902	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	165.80	28.45
		For Elevated Installation >10' To 15', Add	*5.69*	
		For Elevated Installation >15' To 20', Add	*11.38*	
		For Elevated Installation >20' To 25', Add	*14.23*	
		For Elevated Installation >25' To 30', Add	*19.92*	
		For Elevated Installation >30' To 35', Add	*22.76*	
		For Elevated Installation >35' To 40', Add	*28.45*	
		For Elevated Installation >40', Add	*31.30*	
		For Work In Restricted Working Space, Add	*17.07*	
26 05 33 13-0903	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	187.52	32.94
		For Elevated Installation >10' To 15', Add	*6.59*	
		For Elevated Installation >15' To 20', Add	*13.18*	
		For Elevated Installation >20' To 25', Add	*16.47*	
		For Elevated Installation >25' To 30', Add	*23.06*	
		For Elevated Installation >30' To 35', Add	*26.35*	
		For Elevated Installation >35' To 40', Add	*32.94*	
		For Elevated Installation >40', Add	*36.23*	
		For Work In Restricted Working Space, Add	*19.76*	
26 05 33 13-0904	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	211.70	37.43
		For Elevated Installation >10' To 15', Add	*7.49*	
		For Elevated Installation >15' To 20', Add	*14.97*	
		For Elevated Installation >20' To 25', Add	*18.72*	
		For Elevated Installation >25' To 30', Add	*26.20*	
		For Elevated Installation >30' To 35', Add	*29.94*	
		For Elevated Installation >35' To 40', Add	*37.43*	
		For Elevated Installation >40', Add	*41.17*	
		For Work In Restricted Working Space, Add	*22.46*	
26 05 33 13-0905	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	254.30	41.18
		For Elevated Installation >10' To 15', Add	*8.24*	
		For Elevated Installation >15' To 20', Add	*16.47*	
		For Elevated Installation >20' To 25', Add	*20.59*	
		For Elevated Installation >25' To 30', Add	*28.82*	
		For Elevated Installation >30' To 35', Add	*32.94*	
		For Elevated Installation >35' To 40', Add	*41.18*	
		For Elevated Installation >40', Add	*45.29*	
		For Work In Restricted Working Space, Add	*24.71*	
26 05 33 13-0906	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	359.96	51.66
		For Elevated Installation >10' To 15', Add	*10.33*	
		For Elevated Installation >15' To 20', Add	*20.66*	
		For Elevated Installation >20' To 25', Add	*25.83*	
		For Elevated Installation >25' To 30', Add	*36.16*	
		For Elevated Installation >30' To 35', Add	*41.32*	
		For Elevated Installation >35' To 40', Add	*51.66*	
		For Elevated Installation >40', Add	*56.82*	
		For Work In Restricted Working Space, Add	*30.99*	
26 05 33 13-0907	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	457.88	70.37
		For Elevated Installation >10' To 15', Add	*14.08*	
		For Elevated Installation >15' To 20', Add	*28.15*	
		For Elevated Installation >20' To 25', Add	*35.19*	
		For Elevated Installation >25' To 30', Add	*49.26*	
		For Elevated Installation >30' To 35', Add	*56.30*	
		For Elevated Installation >35' To 40', Add	*70.38*	
		For Elevated Installation >40', Add	*77.41*	
		For Work In Restricted Working Space, Add	*42.23*	
26 05 33 13-0908	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	574.43	79.35
		For Elevated Installation >10' To 15', Add	*15.87*	
		For Elevated Installation >15' To 20', Add	*31.74*	
		For Elevated Installation >20' To 25', Add	*39.68*	
		For Elevated Installation >25' To 30', Add	*55.55*	
		For Elevated Installation >30' To 35', Add	*63.49*	
		For Elevated Installation >35' To 40', Add	*79.36*	
		For Elevated Installation >40', Add	*87.30*	
		For Work In Restricted Working Space, Add	*47.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0909	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	652.47	103.31
		For Elevated Installation >10' To 15', Add	*20.66*	
		For Elevated Installation >15' To 20', Add	*41.33*	
		For Elevated Installation >20' To 25', Add	*51.66*	
		For Elevated Installation >25' To 30', Add	*72.32*	
		For Elevated Installation >30' To 35', Add	*82.65*	
		For Elevated Installation >35' To 40', Add	*103.32*	
		For Elevated Installation >40', Add	*113.65*	
		For Work In Restricted Working Space, Add	*61.99*	

26 05 33 13-0910 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbows *(26 05 33 13-0848)*

26 05 33 13-0911	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	194.78	28.45
		For Elevated Installation >10' To 15', Add	*5.69*	
		For Elevated Installation >15' To 20', Add	*11.38*	
		For Elevated Installation >20' To 25', Add	*14.23*	
		For Elevated Installation >25' To 30', Add	*19.92*	
		For Elevated Installation >30' To 35', Add	*22.76*	
		For Elevated Installation >35' To 40', Add	*28.45*	
		For Elevated Installation >40', Add	*31.30*	
		For Work In Restricted Working Space, Add	*17.07*	
26 05 33 13-0912	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	215.87	32.94
		For Elevated Installation >10' To 15', Add	*6.59*	
		For Elevated Installation >15' To 20', Add	*13.18*	
		For Elevated Installation >20' To 25', Add	*16.47*	
		For Elevated Installation >25' To 30', Add	*23.06*	
		For Elevated Installation >30' To 35', Add	*26.35*	
		For Elevated Installation >35' To 40', Add	*32.94*	
		For Elevated Installation >40', Add	*36.23*	
		For Work In Restricted Working Space, Add	*19.76*	
26 05 33 13-0913	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	243.89	37.43
		For Elevated Installation >10' To 15', Add	*7.49*	
		For Elevated Installation >15' To 20', Add	*14.97*	
		For Elevated Installation >20' To 25', Add	*18.72*	
		For Elevated Installation >25' To 30', Add	*26.20*	
		For Elevated Installation >30' To 35', Add	*29.94*	
		For Elevated Installation >35' To 40', Add	*37.43*	
		For Elevated Installation >40', Add	*41.17*	
		For Work In Restricted Working Space, Add	*22.46*	
26 05 33 13-0914	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	300.64	41.18
		For Elevated Installation >10' To 15', Add	*8.24*	
		For Elevated Installation >15' To 20', Add	*16.47*	
		For Elevated Installation >20' To 25', Add	*20.59*	
		For Elevated Installation >25' To 30', Add	*28.82*	
		For Elevated Installation >30' To 35', Add	*32.94*	
		For Elevated Installation >35' To 40', Add	*41.18*	
		For Elevated Installation >40', Add	*45.29*	
		For Work In Restricted Working Space, Add	*24.71*	
26 05 33 13-0915	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	431.85	51.66
		For Elevated Installation >10' To 15', Add	*10.33*	
		For Elevated Installation >15' To 20', Add	*20.66*	
		For Elevated Installation >20' To 25', Add	*25.83*	
		For Elevated Installation >25' To 30', Add	*36.16*	
		For Elevated Installation >30' To 35', Add	*41.32*	
		For Elevated Installation >35' To 40', Add	*51.66*	
		For Elevated Installation >40', Add	*56.82*	
		For Work In Restricted Working Space, Add	*30.99*	
26 05 33 13-0916	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	537.78	70.37
		For Elevated Installation >10' To 15', Add	*14.08*	
		For Elevated Installation >15' To 20', Add	*28.15*	
		For Elevated Installation >20' To 25', Add	*35.19*	
		For Elevated Installation >25' To 30', Add	*49.26*	
		For Elevated Installation >30' To 35', Add	*56.30*	
		For Elevated Installation >35' To 40', Add	*70.38*	
		For Elevated Installation >40', Add	*77.41*	
		For Work In Restricted Working Space, Add	*42.23*	
26 05 33 13-0917	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	623.22	79.35
		For Elevated Installation >10' To 15', Add	*15.87*	
		For Elevated Installation >15' To 20', Add	*31.74*	
		For Elevated Installation >20' To 25', Add	*39.68*	
		For Elevated Installation >25' To 30', Add	*55.55*	
		For Elevated Installation >30' To 35', Add	*63.49*	
		For Elevated Installation >35' To 40', Add	*79.36*	
		For Elevated Installation >40', Add	*87.30*	
		For Work In Restricted Working Space, Add	*47.62*	
26 05 33 13-0918	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	742.03	103.31
		For Elevated Installation >10' To 15', Add	*20.66*	
		For Elevated Installation >15' To 20', Add	*41.33*	
		For Elevated Installation >20' To 25', Add	*51.66*	
		For Elevated Installation >25' To 30', Add	*72.32*	
		For Elevated Installation >30' To 35', Add	*82.65*	
		For Elevated Installation >35' To 40', Add	*103.32*	
		For Elevated Installation >40', Add	*113.65*	
		For Work In Restricted Working Space, Add	*61.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0919		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbows *(26 05 33 13-0848)*		
26 05 33 13-0920	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	217.33	28.45
		For Elevated Installation >10' To 15', Add	*5.69*	
		For Elevated Installation >15' To 20', Add	*11.38*	
		For Elevated Installation >20' To 25', Add	*14.23*	
		For Elevated Installation >25' To 30', Add	*19.92*	
		For Elevated Installation >30' To 35', Add	*22.76*	
		For Elevated Installation >35' To 40', Add	*28.45*	
		For Elevated Installation >40', Add	*31.30*	
		For Work In Restricted Working Space, Add	*17.07*	
26 05 33 13-0921	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	242.25	32.94
		For Elevated Installation >10' To 15', Add	*6.59*	
		For Elevated Installation >15' To 20', Add	*13.18*	
		For Elevated Installation >20' To 25', Add	*16.47*	
		For Elevated Installation >25' To 30', Add	*23.06*	
		For Elevated Installation >30' To 35', Add	*26.35*	
		For Elevated Installation >35' To 40', Add	*32.94*	
		For Elevated Installation >40', Add	*36.23*	
		For Work In Restricted Working Space, Add	*19.76*	
26 05 33 13-0922	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	275.56	37.43
		For Elevated Installation >10' To 15', Add	*7.49*	
		For Elevated Installation >15' To 20', Add	*14.97*	
		For Elevated Installation >20' To 25', Add	*18.72*	
		For Elevated Installation >25' To 30', Add	*26.20*	
		For Elevated Installation >30' To 35', Add	*29.94*	
		For Elevated Installation >35' To 40', Add	*37.43*	
		For Elevated Installation >40', Add	*41.17*	
		For Work In Restricted Working Space, Add	*22.46*	
26 05 33 13-0923	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	340.99	41.18
		For Elevated Installation >10' To 15', Add	*8.24*	
		For Elevated Installation >15' To 20', Add	*16.47*	
		For Elevated Installation >20' To 25', Add	*20.59*	
		For Elevated Installation >25' To 30', Add	*28.82*	
		For Elevated Installation >30' To 35', Add	*32.94*	
		For Elevated Installation >35' To 40', Add	*41.18*	
		For Elevated Installation >40', Add	*45.29*	
		For Work In Restricted Working Space, Add	*24.71*	
26 05 33 13-0924	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	471.08	51.66
		For Elevated Installation >10' To 15', Add	*10.33*	
		For Elevated Installation >15' To 20', Add	*20.66*	
		For Elevated Installation >20' To 25', Add	*25.83*	
		For Elevated Installation >25' To 30', Add	*36.16*	
		For Elevated Installation >30' To 35', Add	*41.32*	
		For Elevated Installation >35' To 40', Add	*51.66*	
		For Elevated Installation >40', Add	*56.82*	
		For Work In Restricted Working Space, Add	*30.99*	
26 05 33 13-0925	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	601.69	70.37
		For Elevated Installation >10' To 15', Add	*14.08*	
		For Elevated Installation >15' To 20', Add	*28.15*	
		For Elevated Installation >20' To 25', Add	*35.19*	
		For Elevated Installation >25' To 30', Add	*49.26*	
		For Elevated Installation >30' To 35', Add	*56.30*	
		For Elevated Installation >35' To 40', Add	*70.38*	
		For Elevated Installation >40', Add	*77.41*	
		For Work In Restricted Working Space, Add	*42.23*	
26 05 33 13-0926	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	741.83	79.35
		For Elevated Installation >10' To 15', Add	*15.87*	
		For Elevated Installation >15' To 20', Add	*31.74*	
		For Elevated Installation >20' To 25', Add	*39.68*	
		For Elevated Installation >25' To 30', Add	*55.55*	
		For Elevated Installation >30' To 35', Add	*63.49*	
		For Elevated Installation >35' To 40', Add	*79.36*	
		For Elevated Installation >40', Add	*87.30*	
		For Work In Restricted Working Space, Add	*47.62*	
26 05 33 13-0927	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	824.24	103.31
		For Elevated Installation >10' To 15', Add	*20.66*	
		For Elevated Installation >15' To 20', Add	*41.33*	
		For Elevated Installation >20' To 25', Add	*51.66*	
		For Elevated Installation >25' To 30', Add	*72.32*	
		For Elevated Installation >30' To 35', Add	*82.65*	
		For Elevated Installation >35' To 40', Add	*103.32*	
		For Elevated Installation >40', Add	*113.65*	
		For Work In Restricted Working Space, Add	*61.99*	
26 05 33 13-0928	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	1,372.74	168.45
		For Elevated Installation >10' To 15', Add	*33.69*	
		For Elevated Installation >15' To 20', Add	*67.38*	
		For Elevated Installation >20' To 25', Add	*84.23*	
		For Elevated Installation >25' To 30', Add	*117.92*	
		For Elevated Installation >30' To 35', Add	*134.76*	
		For Elevated Installation >35' To 40', Add	*168.45*	
		For Elevated Installation >40', Add	*185.30*	
		For Work In Restricted Working Space, Add	*101.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0929		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbows *(26 05 33 13-0848)*		
26 05 33 13-0930	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	246.82	28.45
		For Elevated Installation >10' To 15', Add	*5.69*	
		For Elevated Installation >15' To 20', Add	*11.38*	
		For Elevated Installation >20' To 25', Add	*14.23*	
		For Elevated Installation >25' To 30', Add	*19.92*	
		For Elevated Installation >30' To 35', Add	*22.76*	
		For Elevated Installation >35' To 40', Add	*28.45*	
		For Elevated Installation >40', Add	*31.30*	
		For Work In Restricted Working Space, Add	*17.07*	
26 05 33 13-0931	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	274.13	32.94
		For Elevated Installation >10' To 15', Add	*6.59*	
		For Elevated Installation >15' To 20', Add	*13.18*	
		For Elevated Installation >20' To 25', Add	*16.47*	
		For Elevated Installation >25' To 30', Add	*23.06*	
		For Elevated Installation >30' To 35', Add	*26.35*	
		For Elevated Installation >35' To 40', Add	*32.94*	
		For Elevated Installation >40', Add	*36.23*	
		For Work In Restricted Working Space, Add	*19.76*	
26 05 33 13-0932	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	310.29	37.43
		For Elevated Installation >10' To 15', Add	*7.49*	
		For Elevated Installation >15' To 20', Add	*14.97*	
		For Elevated Installation >20' To 25', Add	*18.72*	
		For Elevated Installation >25' To 30', Add	*26.20*	
		For Elevated Installation >30' To 35', Add	*29.94*	
		For Elevated Installation >35' To 40', Add	*37.43*	
		For Elevated Installation >40', Add	*41.17*	
		For Work In Restricted Working Space, Add	*22.46*	
26 05 33 13-0933	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	385.73	41.18
		For Elevated Installation >10' To 15', Add	*8.24*	
		For Elevated Installation >15' To 20', Add	*16.47*	
		For Elevated Installation >20' To 25', Add	*20.59*	
		For Elevated Installation >25' To 30', Add	*28.82*	
		For Elevated Installation >30' To 35', Add	*32.94*	
		For Elevated Installation >35' To 40', Add	*41.18*	
		For Elevated Installation >40', Add	*45.29*	
		For Work In Restricted Working Space, Add	*24.71*	
26 05 33 13-0934	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	536.44	51.66
		For Elevated Installation >10' To 15', Add	*10.33*	
		For Elevated Installation >15' To 20', Add	*20.66*	
		For Elevated Installation >20' To 25', Add	*25.83*	
		For Elevated Installation >25' To 30', Add	*36.16*	
		For Elevated Installation >30' To 35', Add	*41.32*	
		For Elevated Installation >35' To 40', Add	*51.66*	
		For Elevated Installation >40', Add	*56.82*	
		For Work In Restricted Working Space, Add	*30.99*	
26 05 33 13-0935	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	683.11	70.37
		For Elevated Installation >10' To 15', Add	*14.08*	
		For Elevated Installation >15' To 20', Add	*28.15*	
		For Elevated Installation >20' To 25', Add	*35.19*	
		For Elevated Installation >25' To 30', Add	*49.26*	
		For Elevated Installation >30' To 35', Add	*56.30*	
		For Elevated Installation >35' To 40', Add	*70.38*	
		For Elevated Installation >40', Add	*77.41*	
		For Work In Restricted Working Space, Add	*42.23*	
26 05 33 13-0936	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	801.27	79.35
		For Elevated Installation >10' To 15', Add	*15.87*	
		For Elevated Installation >15' To 20', Add	*31.74*	
		For Elevated Installation >20' To 25', Add	*39.68*	
		For Elevated Installation >25' To 30', Add	*55.55*	
		For Elevated Installation >30' To 35', Add	*63.49*	
		For Elevated Installation >35' To 40', Add	*79.36*	
		For Elevated Installation >40', Add	*87.30*	
		For Work In Restricted Working Space, Add	*47.62*	
26 05 33 13-0937	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	930.37	103.31
		For Elevated Installation >10' To 15', Add	*20.66*	
		For Elevated Installation >15' To 20', Add	*41.33*	
		For Elevated Installation >20' To 25', Add	*51.66*	
		For Elevated Installation >25' To 30', Add	*72.32*	
		For Elevated Installation >30' To 35', Add	*82.65*	
		For Elevated Installation >35' To 40', Add	*103.32*	
		For Elevated Installation >40', Add	*113.65*	
		For Work In Restricted Working Space, Add	*61.99*	
26 05 33 13-0938	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	1,447.12	168.45
		For Elevated Installation >10' To 15', Add	*33.69*	
		For Elevated Installation >15' To 20', Add	*67.38*	
		For Elevated Installation >20' To 25', Add	*84.23*	
		For Elevated Installation >25' To 30', Add	*117.92*	
		For Elevated Installation >30' To 35', Add	*134.76*	
		For Elevated Installation >35' To 40', Add	*168.45*	
		For Elevated Installation >40', Add	*185.30*	
		For Work In Restricted Working Space, Add	*101.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0939	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	1,987.37	253.05
		For Elevated Installation >10' To 15', Add	*50.61*	
		For Elevated Installation >15' To 20', Add	*101.22*	
		For Elevated Installation >20' To 25', Add	*126.53*	
		For Elevated Installation >25' To 30', Add	*177.14*	
		For Elevated Installation >30' To 35', Add	*202.44*	
		For Elevated Installation >35' To 40', Add	*253.05*	
		For Elevated Installation >40', Add	*278.36*	
		For Work In Restricted Working Space, Add	*151.83*	

26 05 33 13-0940 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbows *(26 05 33 13-0848)*

26 05 33 13-0941	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	287.88	28.45
		For Elevated Installation >10' To 15', Add	*5.69*	
		For Elevated Installation >15' To 20', Add	*11.38*	
		For Elevated Installation >20' To 25', Add	*14.23*	
		For Elevated Installation >25' To 30', Add	*19.92*	
		For Elevated Installation >30' To 35', Add	*22.76*	
		For Elevated Installation >35' To 40', Add	*28.45*	
		For Elevated Installation >40', Add	*31.30*	
		For Work In Restricted Working Space, Add	*17.07*	
26 05 33 13-0942	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	302.55	32.94
		For Elevated Installation >10' To 15', Add	*6.59*	
		For Elevated Installation >15' To 20', Add	*13.18*	
		For Elevated Installation >20' To 25', Add	*16.47*	
		For Elevated Installation >25' To 30', Add	*23.06*	
		For Elevated Installation >30' To 35', Add	*26.35*	
		For Elevated Installation >35' To 40', Add	*32.94*	
		For Elevated Installation >40', Add	*36.23*	
		For Work In Restricted Working Space, Add	*19.76*	
26 05 33 13-0943	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	356.76	37.43
		For Elevated Installation >10' To 15', Add	*7.49*	
		For Elevated Installation >15' To 20', Add	*14.97*	
		For Elevated Installation >20' To 25', Add	*18.72*	
		For Elevated Installation >25' To 30', Add	*26.20*	
		For Elevated Installation >30' To 35', Add	*29.94*	
		For Elevated Installation >35' To 40', Add	*37.43*	
		For Elevated Installation >40', Add	*41.17*	
		For Work In Restricted Working Space, Add	*22.46*	
26 05 33 13-0944	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	448.01	41.18
		For Elevated Installation >10' To 15', Add	*8.24*	
		For Elevated Installation >15' To 20', Add	*16.47*	
		For Elevated Installation >20' To 25', Add	*20.59*	
		For Elevated Installation >25' To 30', Add	*28.82*	
		For Elevated Installation >30' To 35', Add	*32.94*	
		For Elevated Installation >35' To 40', Add	*41.18*	
		For Elevated Installation >40', Add	*45.29*	
		For Work In Restricted Working Space, Add	*24.71*	
26 05 33 13-0945	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	624.58	51.66
		For Elevated Installation >10' To 15', Add	*10.33*	
		For Elevated Installation >15' To 20', Add	*20.66*	
		For Elevated Installation >20' To 25', Add	*25.83*	
		For Elevated Installation >25' To 30', Add	*36.16*	
		For Elevated Installation >30' To 35', Add	*41.33*	
		For Elevated Installation >35' To 40', Add	*51.66*	
		For Elevated Installation >40', Add	*56.83*	
		For Work In Restricted Working Space, Add	*31.00*	
26 05 33 13-0946	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	792.88	70.37
		For Elevated Installation >10' To 15', Add	*14.08*	
		For Elevated Installation >15' To 20', Add	*28.15*	
		For Elevated Installation >20' To 25', Add	*35.19*	
		For Elevated Installation >25' To 30', Add	*49.26*	
		For Elevated Installation >30' To 35', Add	*56.30*	
		For Elevated Installation >35' To 40', Add	*70.38*	
		For Elevated Installation >40', Add	*77.41*	
		For Work In Restricted Working Space, Add	*42.23*	
26 05 33 13-0947	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	966.51	79.35
		For Elevated Installation >10' To 15', Add	*15.87*	
		For Elevated Installation >15' To 20', Add	*31.74*	
		For Elevated Installation >20' To 25', Add	*39.68*	
		For Elevated Installation >25' To 30', Add	*55.55*	
		For Elevated Installation >30' To 35', Add	*63.49*	
		For Elevated Installation >35' To 40', Add	*79.36*	
		For Elevated Installation >40', Add	*87.30*	
		For Work In Restricted Working Space, Add	*47.62*	
26 05 33 13-0948	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	1,136.84	103.31
		For Elevated Installation >10' To 15', Add	*20.66*	
		For Elevated Installation >15' To 20', Add	*41.33*	
		For Elevated Installation >20' To 25', Add	*51.66*	
		For Elevated Installation >25' To 30', Add	*72.32*	
		For Elevated Installation >30' To 35', Add	*82.65*	
		For Elevated Installation >35' To 40', Add	*103.32*	
		For Elevated Installation >40', Add	*113.65*	
		For Work In Restricted Working Space, Add	*61.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0949	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	1,689.74	168.45
		For Elevated Installation >10' To 15', Add	*33.69*	
		For Elevated Installation >15' To 20', Add	*67.38*	
		For Elevated Installation >20' To 25', Add	*84.23*	
		For Elevated Installation >25' To 30', Add	*117.92*	
		For Elevated Installation >30' To 35', Add	*134.76*	
		For Elevated Installation >35' To 40', Add	*168.45*	
		For Elevated Installation >40', Add	*185.30*	
		For Work In Restricted Working Space, Add	*101.07*	
26 05 33 13-0950	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	2,098.74	253.05
		For Elevated Installation >10' To 15', Add	*50.61*	
		For Elevated Installation >15' To 20', Add	*101.22*	
		For Elevated Installation >20' To 25', Add	*126.53*	
		For Elevated Installation >25' To 30', Add	*177.14*	
		For Elevated Installation >30' To 35', Add	*202.44*	
		For Elevated Installation >35' To 40', Add	*253.05*	
		For Elevated Installation >40', Add	*278.36*	
		For Work In Restricted Working Space, Add	*151.83*	

26 05 33 13-0951 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbows *(26 05 33 13-0848)*

26 05 33 13-0952	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	297.77	28.45
		For Elevated Installation >10' To 15', Add	*5.69*	
		For Elevated Installation >15' To 20', Add	*11.38*	
		For Elevated Installation >20' To 25', Add	*14.23*	
		For Elevated Installation >25' To 30', Add	*19.92*	
		For Elevated Installation >30' To 35', Add	*22.76*	
		For Elevated Installation >35' To 40', Add	*28.45*	
		For Elevated Installation >40', Add	*31.30*	
		For Work In Restricted Working Space, Add	*17.07*	
26 05 33 13-0953	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	350.62	32.94
		For Elevated Installation >10' To 15', Add	*6.59*	
		For Elevated Installation >15' To 20', Add	*13.18*	
		For Elevated Installation >20' To 25', Add	*16.47*	
		For Elevated Installation >25' To 30', Add	*23.06*	
		For Elevated Installation >30' To 35', Add	*26.35*	
		For Elevated Installation >35' To 40', Add	*32.94*	
		For Elevated Installation >40', Add	*36.23*	
		For Work In Restricted Working Space, Add	*19.76*	
26 05 33 13-0954	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	396.95	37.43
		For Elevated Installation >10' To 15', Add	*7.49*	
		For Elevated Installation >15' To 20', Add	*14.97*	
		For Elevated Installation >20' To 25', Add	*18.72*	
		For Elevated Installation >25' To 30', Add	*26.20*	
		For Elevated Installation >30' To 35', Add	*29.94*	
		For Elevated Installation >35' To 40', Add	*37.43*	
		For Elevated Installation >40', Add	*41.17*	
		For Work In Restricted Working Space, Add	*22.46*	
26 05 33 13-0955	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	466.74	41.18
		For Elevated Installation >10' To 15', Add	*8.24*	
		For Elevated Installation >15' To 20', Add	*16.47*	
		For Elevated Installation >20' To 25', Add	*20.59*	
		For Elevated Installation >25' To 30', Add	*28.82*	
		For Elevated Installation >30' To 35', Add	*32.94*	
		For Elevated Installation >35' To 40', Add	*41.18*	
		For Elevated Installation >40', Add	*45.29*	
		For Work In Restricted Working Space, Add	*24.71*	
26 05 33 13-0956	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	646.60	51.66
		For Elevated Installation >10' To 15', Add	*10.33*	
		For Elevated Installation >15' To 20', Add	*20.66*	
		For Elevated Installation >20' To 25', Add	*25.83*	
		For Elevated Installation >25' To 30', Add	*36.16*	
		For Elevated Installation >30' To 35', Add	*41.33*	
		For Elevated Installation >35' To 40', Add	*51.66*	
		For Elevated Installation >40', Add	*56.83*	
		For Work In Restricted Working Space, Add	*31.00*	
26 05 33 13-0957	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	826.64	70.37
		For Elevated Installation >10' To 15', Add	*14.08*	
		For Elevated Installation >15' To 20', Add	*28.15*	
		For Elevated Installation >20' To 25', Add	*35.19*	
		For Elevated Installation >25' To 30', Add	*49.26*	
		For Elevated Installation >30' To 35', Add	*56.30*	
		For Elevated Installation >35' To 40', Add	*70.38*	
		For Elevated Installation >40', Add	*77.41*	
		For Work In Restricted Working Space, Add	*42.23*	
26 05 33 13-0958	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	1,056.50	79.35
		For Elevated Installation >10' To 15', Add	*15.87*	
		For Elevated Installation >15' To 20', Add	*31.74*	
		For Elevated Installation >20' To 25', Add	*39.68*	
		For Elevated Installation >25' To 30', Add	*55.55*	
		For Elevated Installation >30' To 35', Add	*63.49*	
		For Elevated Installation >35' To 40', Add	*79.36*	
		For Elevated Installation >40', Add	*87.30*	
		For Work In Restricted Working Space, Add	*47.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0959	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	1,183.67	103.31
		For Elevated Installation >10' To 15', Add	*20.66*	
		For Elevated Installation >15' To 20', Add	*41.33*	
		For Elevated Installation >20' To 25', Add	*51.66*	
		For Elevated Installation >25' To 30', Add	*72.32*	
		For Elevated Installation >30' To 35', Add	*82.65*	
		For Elevated Installation >35' To 40', Add	*103.32*	
		For Elevated Installation >40', Add	*113.65*	
		For Work In Restricted Working Space, Add	*61.99*	
26 05 33 13-0960	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	1,754.92	168.45
		For Elevated Installation >10' To 15', Add	*33.69*	
		For Elevated Installation >15' To 20', Add	*67.38*	
		For Elevated Installation >20' To 25', Add	*84.23*	
		For Elevated Installation >25' To 30', Add	*117.92*	
		For Elevated Installation >30' To 35', Add	*134.76*	
		For Elevated Installation >35' To 40', Add	*168.45*	
		For Elevated Installation >40', Add	*185.30*	
		For Work In Restricted Working Space, Add	*101.07*	
26 05 33 13-0961	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	2,155.33	253.05
		For Elevated Installation >10' To 15', Add	*50.61*	
		For Elevated Installation >15' To 20', Add	*101.22*	
		For Elevated Installation >20' To 25', Add	*126.53*	
		For Elevated Installation >25' To 30', Add	*177.14*	
		For Elevated Installation >30' To 35', Add	*202.44*	
		For Elevated Installation >35' To 40', Add	*253.05*	
		For Elevated Installation >40', Add	*278.36*	
		For Work In Restricted Working Space, Add	*151.83*	

26 05 33 13-0962 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fittings *(26 05 33 13-0848)*

26 05 33 13-0963	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	111.46	18.72
		For Elevated Installation >10' To 15', Add	*3.74*	
		For Elevated Installation >15' To 20', Add	*7.49*	
		For Elevated Installation >20' To 25', Add	*9.36*	
		For Elevated Installation >25' To 30', Add	*13.10*	
		For Elevated Installation >30' To 35', Add	*14.97*	
		For Elevated Installation >35' To 40', Add	*18.72*	
		For Elevated Installation >40', Add	*20.59*	
		For Work In Restricted Working Space, Add	*11.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.23*	
26 05 33 13-0964	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	136.71	24.71
		For Elevated Installation >10' To 15', Add	*4.94*	
		For Elevated Installation >15' To 20', Add	*9.88*	
		For Elevated Installation >20' To 25', Add	*12.35*	
		For Elevated Installation >25' To 30', Add	*17.29*	
		For Elevated Installation >30' To 35', Add	*19.76*	
		For Elevated Installation >35' To 40', Add	*24.71*	
		For Elevated Installation >40', Add	*27.18*	
		For Work In Restricted Working Space, Add	*14.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.82*	
26 05 33 13-0965	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	181.57	28.45
		For Elevated Installation >10' To 15', Add	*5.69*	
		For Elevated Installation >15' To 20', Add	*11.38*	
		For Elevated Installation >20' To 25', Add	*14.23*	
		For Elevated Installation >25' To 30', Add	*19.92*	
		For Elevated Installation >30' To 35', Add	*22.76*	
		For Elevated Installation >35' To 40', Add	*28.45*	
		For Elevated Installation >40', Add	*31.30*	
		For Work In Restricted Working Space, Add	*17.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.07*	
26 05 33 13-0966	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	296.07	32.94
		For Elevated Installation >10' To 15', Add	*6.59*	
		For Elevated Installation >15' To 20', Add	*13.18*	
		For Elevated Installation >20' To 25', Add	*16.47*	
		For Elevated Installation >25' To 30', Add	*23.06*	
		For Elevated Installation >30' To 35', Add	*26.35*	
		For Elevated Installation >35' To 40', Add	*32.94*	
		For Elevated Installation >40', Add	*36.23*	
		For Work In Restricted Working Space, Add	*19.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.76*	
26 05 33 13-0967	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	327.06	37.43
		For Elevated Installation >10' To 15', Add	*7.49*	
		For Elevated Installation >15' To 20', Add	*14.97*	
		For Elevated Installation >20' To 25', Add	*18.72*	
		For Elevated Installation >25' To 30', Add	*26.20*	
		For Elevated Installation >30' To 35', Add	*29.94*	
		For Elevated Installation >35' To 40', Add	*37.43*	
		For Elevated Installation >40', Add	*41.17*	
		For Work In Restricted Working Space, Add	*22.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0968	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	412.32	41.18
		For Elevated Installation >10' To 15', Add	*8.24*	
		For Elevated Installation >15' To 20', Add	*16.47*	
		For Elevated Installation >20' To 25', Add	*20.59*	
		For Elevated Installation >25' To 30', Add	*28.82*	
		For Elevated Installation >30' To 35', Add	*32.94*	
		For Elevated Installation >35' To 40', Add	*41.18*	
		For Elevated Installation >40', Add	*45.29*	
		For Work In Restricted Working Space, Add	*24.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.71*	
26 05 33 13-0969	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	1,114.08	51.66
		For Elevated Installation >10' To 15', Add	*10.33*	
		For Elevated Installation >15' To 20', Add	*20.66*	
		For Elevated Installation >20' To 25', Add	*25.83*	
		For Elevated Installation >25' To 30', Add	*36.16*	
		For Elevated Installation >30' To 35', Add	*41.32*	
		For Elevated Installation >35' To 40', Add	*51.66*	
		For Elevated Installation >40', Add	*56.82*	
		For Work In Restricted Working Space, Add	*30.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.99*	
26 05 33 13-0970	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	1,331.06	70.37
		For Elevated Installation >10' To 15', Add	*14.08*	
		For Elevated Installation >15' To 20', Add	*28.15*	
		For Elevated Installation >20' To 25', Add	*35.19*	
		For Elevated Installation >25' To 30', Add	*49.27*	
		For Elevated Installation >30' To 35', Add	*56.30*	
		For Elevated Installation >35' To 40', Add	*70.38*	
		For Elevated Installation >40', Add	*77.42*	
		For Work In Restricted Working Space, Add	*42.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.23*	
26 05 33 13-0971	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	1,770.08	103.31
		For Elevated Installation >10' To 15', Add	*20.66*	
		For Elevated Installation >15' To 20', Add	*41.32*	
		For Elevated Installation >20' To 25', Add	*51.66*	
		For Elevated Installation >25' To 30', Add	*72.32*	
		For Elevated Installation >30' To 35', Add	*82.65*	
		For Elevated Installation >35' To 40', Add	*103.31*	
		For Elevated Installation >40', Add	*113.64*	
		For Work In Restricted Working Space, Add	*61.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.99*	

26 05 33 13-0972 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fittings *(26 05 33 13-0848)*

26 05 33 13-0973	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	106.96	18.72
		For Elevated Installation >10' To 15', Add	*3.74*	
		For Elevated Installation >15' To 20', Add	*7.49*	
		For Elevated Installation >20' To 25', Add	*9.36*	
		For Elevated Installation >25' To 30', Add	*13.10*	
		For Elevated Installation >30' To 35', Add	*14.97*	
		For Elevated Installation >35' To 40', Add	*18.72*	
		For Elevated Installation >40', Add	*20.59*	
		For Work In Restricted Working Space, Add	*11.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.23*	
26 05 33 13-0974	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	131.62	24.71
		For Elevated Installation >10' To 15', Add	*4.94*	
		For Elevated Installation >15' To 20', Add	*9.88*	
		For Elevated Installation >20' To 25', Add	*12.35*	
		For Elevated Installation >25' To 30', Add	*17.29*	
		For Elevated Installation >30' To 35', Add	*19.76*	
		For Elevated Installation >35' To 40', Add	*24.71*	
		For Elevated Installation >40', Add	*27.18*	
		For Work In Restricted Working Space, Add	*14.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.82*	
26 05 33 13-0975	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	181.57	28.45
		For Elevated Installation >10' To 15', Add	*5.69*	
		For Elevated Installation >15' To 20', Add	*11.38*	
		For Elevated Installation >20' To 25', Add	*14.23*	
		For Elevated Installation >25' To 30', Add	*19.92*	
		For Elevated Installation >30' To 35', Add	*22.76*	
		For Elevated Installation >35' To 40', Add	*28.45*	
		For Elevated Installation >40', Add	*31.30*	
		For Work In Restricted Working Space, Add	*17.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.07*	
26 05 33 13-0976	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	293.45	32.94
		For Elevated Installation >10' To 15', Add	*6.59*	
		For Elevated Installation >15' To 20', Add	*13.18*	
		For Elevated Installation >20' To 25', Add	*16.47*	
		For Elevated Installation >25' To 30', Add	*23.06*	
		For Elevated Installation >30' To 35', Add	*26.35*	
		For Elevated Installation >35' To 40', Add	*32.94*	
		For Elevated Installation >40', Add	*36.23*	
		For Work In Restricted Working Space, Add	*19.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0977	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	316.51	37.43
		For Elevated Installation >10' To 15', Add	*7.49*	
		For Elevated Installation >15' To 20', Add	*14.97*	
		For Elevated Installation >20' To 25', Add	*18.72*	
		For Elevated Installation >25' To 30', Add	*26.20*	
		For Elevated Installation >30' To 35', Add	*29.94*	
		For Elevated Installation >35' To 40', Add	*37.43*	
		For Elevated Installation >40', Add	*41.17*	
		For Work In Restricted Working Space, Add	*22.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.46*	
26 05 33 13-0978	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	412.45	41.18
		For Elevated Installation >10' To 15', Add	*8.24*	
		For Elevated Installation >15' To 20', Add	*16.47*	
		For Elevated Installation >20' To 25', Add	*20.59*	
		For Elevated Installation >25' To 30', Add	*28.82*	
		For Elevated Installation >30' To 35', Add	*32.94*	
		For Elevated Installation >35' To 40', Add	*41.18*	
		For Elevated Installation >40', Add	*45.29*	
		For Work In Restricted Working Space, Add	*24.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.71*	
26 05 33 13-0979	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	1,069.06	51.66
		For Elevated Installation >10' To 15', Add	*10.33*	
		For Elevated Installation >15' To 20', Add	*20.66*	
		For Elevated Installation >20' To 25', Add	*25.83*	
		For Elevated Installation >25' To 30', Add	*36.16*	
		For Elevated Installation >30' To 35', Add	*41.32*	
		For Elevated Installation >35' To 40', Add	*51.66*	
		For Elevated Installation >40', Add	*56.82*	
		For Work In Restricted Working Space, Add	*30.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.99*	
26 05 33 13-0980	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	1,298.22	70.37
		For Elevated Installation >10' To 15', Add	*14.08*	
		For Elevated Installation >15' To 20', Add	*28.15*	
		For Elevated Installation >20' To 25', Add	*35.19*	
		For Elevated Installation >25' To 30', Add	*49.27*	
		For Elevated Installation >30' To 35', Add	*56.30*	
		For Elevated Installation >35' To 40', Add	*70.38*	
		For Elevated Installation >40', Add	*77.42*	
		For Work In Restricted Working Space, Add	*42.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.23*	
26 05 33 13-0981	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	1,770.00	103.31
		For Elevated Installation >10' To 15', Add	*20.66*	
		For Elevated Installation >15' To 20', Add	*41.32*	
		For Elevated Installation >20' To 25', Add	*51.66*	
		For Elevated Installation >25' To 30', Add	*72.32*	
		For Elevated Installation >30' To 35', Add	*82.65*	
		For Elevated Installation >35' To 40', Add	*103.31*	
		For Elevated Installation >40', Add	*113.64*	
		For Work In Restricted Working Space, Add	*61.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.99*	

26 05 33 13-0982 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fittings *(26 05 33 13-0848)*

26 05 33 13-0983	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	96.99	18.72
		For Elevated Installation >10' To 15', Add	*3.74*	
		For Elevated Installation >15' To 20', Add	*7.49*	
		For Elevated Installation >20' To 25', Add	*9.36*	
		For Elevated Installation >25' To 30', Add	*13.10*	
		For Elevated Installation >30' To 35', Add	*14.97*	
		For Elevated Installation >35' To 40', Add	*18.72*	
		For Elevated Installation >40', Add	*20.59*	
		For Work In Restricted Working Space, Add	*11.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.23*	
26 05 33 13-0984	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	116.50	24.71
		For Elevated Installation >10' To 15', Add	*4.94*	
		For Elevated Installation >15' To 20', Add	*9.88*	
		For Elevated Installation >20' To 25', Add	*12.35*	
		For Elevated Installation >25' To 30', Add	*17.29*	
		For Elevated Installation >30' To 35', Add	*19.76*	
		For Elevated Installation >35' To 40', Add	*24.71*	
		For Elevated Installation >40', Add	*27.18*	
		For Work In Restricted Working Space, Add	*14.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.82*	
26 05 33 13-0985	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	137.36	28.45
		For Elevated Installation >10' To 15', Add	*5.69*	
		For Elevated Installation >15' To 20', Add	*11.38*	
		For Elevated Installation >20' To 25', Add	*14.23*	
		For Elevated Installation >25' To 30', Add	*19.92*	
		For Elevated Installation >30' To 35', Add	*22.76*	
		For Elevated Installation >35' To 40', Add	*28.45*	
		For Elevated Installation >40', Add	*31.30*	
		For Work In Restricted Working Space, Add	*17.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0986	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	193.98	32.94
		For Elevated Installation >10' To 15', Add	*6.59*	
		For Elevated Installation >15' To 20', Add	*13.18*	
		For Elevated Installation >20' To 25', Add	*16.47*	
		For Elevated Installation >25' To 30', Add	*23.06*	
		For Elevated Installation >30' To 35', Add	*26.35*	
		For Elevated Installation >35' To 40', Add	*32.94*	
		For Elevated Installation >40', Add	*36.23*	
		For Work In Restricted Working Space, Add	*19.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.76*	
26 05 33 13-0987	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	226.42	37.43
		For Elevated Installation >10' To 15', Add	*7.49*	
		For Elevated Installation >15' To 20', Add	*14.97*	
		For Elevated Installation >20' To 25', Add	*18.72*	
		For Elevated Installation >25' To 30', Add	*26.20*	
		For Elevated Installation >30' To 35', Add	*29.94*	
		For Elevated Installation >35' To 40', Add	*37.43*	
		For Elevated Installation >40', Add	*41.17*	
		For Work In Restricted Working Space, Add	*22.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.46*	
26 05 33 13-0988	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	347.34	41.18
		For Elevated Installation >10' To 15', Add	*8.24*	
		For Elevated Installation >15' To 20', Add	*16.47*	
		For Elevated Installation >20' To 25', Add	*20.59*	
		For Elevated Installation >25' To 30', Add	*28.82*	
		For Elevated Installation >30' To 35', Add	*32.94*	
		For Elevated Installation >35' To 40', Add	*41.18*	
		For Elevated Installation >40', Add	*45.29*	
		For Work In Restricted Working Space, Add	*24.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.71*	
26 05 33 13-0989	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	943.69	51.66
		For Elevated Installation >10' To 15', Add	*10.33*	
		For Elevated Installation >15' To 20', Add	*20.66*	
		For Elevated Installation >20' To 25', Add	*25.83*	
		For Elevated Installation >25' To 30', Add	*36.16*	
		For Elevated Installation >30' To 35', Add	*41.32*	
		For Elevated Installation >35' To 40', Add	*51.66*	
		For Elevated Installation >40', Add	*56.82*	
		For Work In Restricted Working Space, Add	*30.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.99*	
26 05 33 13-0990	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	1,064.03	70.37
		For Elevated Installation >10' To 15', Add	*14.08*	
		For Elevated Installation >15' To 20', Add	*28.15*	
		For Elevated Installation >20' To 25', Add	*35.19*	
		For Elevated Installation >25' To 30', Add	*49.27*	
		For Elevated Installation >30' To 35', Add	*56.30*	
		For Elevated Installation >35' To 40', Add	*70.38*	
		For Elevated Installation >40', Add	*77.42*	
		For Work In Restricted Working Space, Add	*42.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.23*	
26 05 33 13-0991	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	1,360.82	103.31
		For Elevated Installation >10' To 15', Add	*20.66*	
		For Elevated Installation >15' To 20', Add	*41.32*	
		For Elevated Installation >20' To 25', Add	*51.66*	
		For Elevated Installation >25' To 30', Add	*72.32*	
		For Elevated Installation >30' To 35', Add	*82.65*	
		For Elevated Installation >35' To 40', Add	*103.31*	
		For Elevated Installation >40', Add	*113.64*	
		For Work In Restricted Working Space, Add	*61.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.99*	

26 05 33 13-0992 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fittings *(26 05 33 13-0848)*

26 05 33 13-0993	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	163.65	18.72
		For Elevated Installation >10' To 15', Add	*3.74*	
		For Elevated Installation >15' To 20', Add	*7.49*	
		For Elevated Installation >20' To 25', Add	*9.36*	
		For Elevated Installation >25' To 30', Add	*13.10*	
		For Elevated Installation >30' To 35', Add	*14.97*	
		For Elevated Installation >35' To 40', Add	*18.72*	
		For Elevated Installation >40', Add	*20.59*	
		For Work In Restricted Working Space, Add	*11.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.23*	
26 05 33 13-0994	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	246.12	24.71
		For Elevated Installation >10' To 15', Add	*4.94*	
		For Elevated Installation >15' To 20', Add	*9.88*	
		For Elevated Installation >20' To 25', Add	*12.35*	
		For Elevated Installation >25' To 30', Add	*17.29*	
		For Elevated Installation >30' To 35', Add	*19.76*	
		For Elevated Installation >35' To 40', Add	*24.71*	
		For Elevated Installation >40', Add	*27.18*	
		For Work In Restricted Working Space, Add	*14.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0995	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	309.03	28.45
		For Elevated Installation >10' To 15', Add	*5.69*	
		For Elevated Installation >15' To 20', Add	*11.38*	
		For Elevated Installation >20' To 25', Add	*14.23*	
		For Elevated Installation >25' To 30', Add	*19.92*	
		For Elevated Installation >30' To 35', Add	*22.76*	
		For Elevated Installation >35' To 40', Add	*28.45*	
		For Elevated Installation >40', Add	*31.30*	
		For Work In Restricted Working Space, Add	*17.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.07*	
26 05 33 13-0996	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	356.72	32.94
		For Elevated Installation >10' To 15', Add	*6.59*	
		For Elevated Installation >15' To 20', Add	*13.18*	
		For Elevated Installation >20' To 25', Add	*16.47*	
		For Elevated Installation >25' To 30', Add	*23.06*	
		For Elevated Installation >30' To 35', Add	*26.35*	
		For Elevated Installation >35' To 40', Add	*32.94*	
		For Elevated Installation >40', Add	*36.23*	
		For Work In Restricted Working Space, Add	*19.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.76*	
26 05 33 13-0997	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	405.13	37.43
		For Elevated Installation >10' To 15', Add	*7.49*	
		For Elevated Installation >15' To 20', Add	*14.97*	
		For Elevated Installation >20' To 25', Add	*18.72*	
		For Elevated Installation >25' To 30', Add	*26.20*	
		For Elevated Installation >30' To 35', Add	*29.94*	
		For Elevated Installation >35' To 40', Add	*37.43*	
		For Elevated Installation >40', Add	*41.17*	
		For Work In Restricted Working Space, Add	*22.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.46*	
26 05 33 13-0998	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	531.95	41.18
		For Elevated Installation >10' To 15', Add	*8.24*	
		For Elevated Installation >15' To 20', Add	*16.47*	
		For Elevated Installation >20' To 25', Add	*20.59*	
		For Elevated Installation >25' To 30', Add	*28.82*	
		For Elevated Installation >30' To 35', Add	*32.94*	
		For Elevated Installation >35' To 40', Add	*41.18*	
		For Elevated Installation >40', Add	*45.29*	
		For Work In Restricted Working Space, Add	*24.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.71*	
26 05 33 13-0999	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	1,662.12	51.66
		For Elevated Installation >10' To 15', Add	*10.33*	
		For Elevated Installation >15' To 20', Add	*20.66*	
		For Elevated Installation >20' To 25', Add	*25.83*	
		For Elevated Installation >25' To 30', Add	*36.16*	
		For Elevated Installation >30' To 35', Add	*41.32*	
		For Elevated Installation >35' To 40', Add	*51.66*	
		For Elevated Installation >40', Add	*56.82*	
		For Work In Restricted Working Space, Add	*30.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.99*	
26 05 33 13-1000	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	1,942.26	70.37
		For Elevated Installation >10' To 15', Add	*14.08*	
		For Elevated Installation >15' To 20', Add	*28.15*	
		For Elevated Installation >20' To 25', Add	*35.19*	
		For Elevated Installation >25' To 30', Add	*49.27*	
		For Elevated Installation >30' To 35', Add	*56.30*	
		For Elevated Installation >35' To 40', Add	*70.38*	
		For Elevated Installation >40', Add	*77.42*	
		For Work In Restricted Working Space, Add	*42.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.23*	
26 05 33 13-1001	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	2,390.59	103.31
		For Elevated Installation >10' To 15', Add	*20.66*	
		For Elevated Installation >15' To 20', Add	*41.32*	
		For Elevated Installation >20' To 25', Add	*51.66*	
		For Elevated Installation >25' To 30', Add	*72.32*	
		For Elevated Installation >30' To 35', Add	*82.65*	
		For Elevated Installation >35' To 40', Add	*103.31*	
		For Elevated Installation >40', Add	*113.64*	
		For Work In Restricted Working Space, Add	*61.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.99*	

26 05 33 13-1002 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fittings *(26 05 33 13-0848)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1003	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	181.34	18.72
		For Elevated Installation >10' To 15', Add	*3.74*	
		For Elevated Installation >15' To 20', Add	*7.49*	
		For Elevated Installation >20' To 25', Add	*9.36*	
		For Elevated Installation >25' To 30', Add	*13.10*	
		For Elevated Installation >30' To 35', Add	*14.97*	
		For Elevated Installation >35' To 40', Add	*18.72*	
		For Elevated Installation >40', Add	*20.59*	
		For Work In Restricted Working Space, Add	*11.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.23*	
26 05 33 13-1004	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	262.82	24.71
		For Elevated Installation >10' To 15', Add	*4.94*	
		For Elevated Installation >15' To 20', Add	*9.88*	
		For Elevated Installation >20' To 25', Add	*12.35*	
		For Elevated Installation >25' To 30', Add	*17.29*	
		For Elevated Installation >30' To 35', Add	*19.76*	
		For Elevated Installation >35' To 40', Add	*24.71*	
		For Elevated Installation >40', Add	*27.18*	
		For Work In Restricted Working Space, Add	*14.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.82*	
26 05 33 13-1005	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	312.21	28.45
		For Elevated Installation >10' To 15', Add	*5.69*	
		For Elevated Installation >15' To 20', Add	*11.38*	
		For Elevated Installation >20' To 25', Add	*14.23*	
		For Elevated Installation >25' To 30', Add	*19.92*	
		For Elevated Installation >30' To 35', Add	*22.76*	
		For Elevated Installation >35' To 40', Add	*28.45*	
		For Elevated Installation >40', Add	*31.30*	
		For Work In Restricted Working Space, Add	*17.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.07*	
26 05 33 13-1006	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	361.96	32.94
		For Elevated Installation >10' To 15', Add	*6.59*	
		For Elevated Installation >15' To 20', Add	*13.18*	
		For Elevated Installation >20' To 25', Add	*16.47*	
		For Elevated Installation >25' To 30', Add	*23.06*	
		For Elevated Installation >30' To 35', Add	*26.35*	
		For Elevated Installation >35' To 40', Add	*32.94*	
		For Elevated Installation >40', Add	*36.23*	
		For Work In Restricted Working Space, Add	*19.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.76*	
26 05 33 13-1007	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	419.50	37.43
		For Elevated Installation >10' To 15', Add	*7.49*	
		For Elevated Installation >15' To 20', Add	*14.97*	
		For Elevated Installation >20' To 25', Add	*18.72*	
		For Elevated Installation >25' To 30', Add	*26.20*	
		For Elevated Installation >30' To 35', Add	*29.94*	
		For Elevated Installation >35' To 40', Add	*37.43*	
		For Elevated Installation >40', Add	*41.17*	
		For Work In Restricted Working Space, Add	*22.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.46*	
26 05 33 13-1008	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	658.19	41.18
		For Elevated Installation >10' To 15', Add	*8.24*	
		For Elevated Installation >15' To 20', Add	*16.47*	
		For Elevated Installation >20' To 25', Add	*20.59*	
		For Elevated Installation >25' To 30', Add	*28.82*	
		For Elevated Installation >30' To 35', Add	*32.94*	
		For Elevated Installation >35' To 40', Add	*41.18*	
		For Elevated Installation >40', Add	*45.29*	
		For Work In Restricted Working Space, Add	*24.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.71*	
26 05 33 13-1009	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	1,852.60	51.66
		For Elevated Installation >10' To 15', Add	*10.33*	
		For Elevated Installation >15' To 20', Add	*20.66*	
		For Elevated Installation >20' To 25', Add	*25.83*	
		For Elevated Installation >25' To 30', Add	*36.16*	
		For Elevated Installation >30' To 35', Add	*41.32*	
		For Elevated Installation >35' To 40', Add	*51.66*	
		For Elevated Installation >40', Add	*56.82*	
		For Work In Restricted Working Space, Add	*30.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1010	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	2,607.28	70.37
		For Elevated Installation >10' To 15', Add	*14.08*	
		For Elevated Installation >15' To 20', Add	*28.15*	
		For Elevated Installation >20' To 25', Add	*35.19*	
		For Elevated Installation >25' To 30', Add	*49.27*	
		For Elevated Installation >30' To 35', Add	*56.30*	
		For Elevated Installation >35' To 40', Add	*70.38*	
		For Elevated Installation >40', Add	*77.42*	
		For Work In Restricted Working Space, Add	*42.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.23*	
26 05 33 13-1011	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	2,727.24	103.31
		For Elevated Installation >10' To 15', Add	*20.66*	
		For Elevated Installation >15' To 20', Add	*41.32*	
		For Elevated Installation >20' To 25', Add	*51.66*	
		For Elevated Installation >25' To 30', Add	*72.32*	
		For Elevated Installation >30' To 35', Add	*82.65*	
		For Elevated Installation >35' To 40', Add	*103.31*	
		For Elevated Installation >40', Add	*113.64*	
		For Work In Restricted Working Space, Add	*61.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.99*	

26 05 33 13-1012 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fittings *(26 05 33 13-0848)*

26 05 33 13-1013	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	144.15	18.72
		For Elevated Installation >10' To 15', Add	*3.74*	
		For Elevated Installation >15' To 20', Add	*7.49*	
		For Elevated Installation >20' To 25', Add	*9.36*	
		For Elevated Installation >25' To 30', Add	*13.10*	
		For Elevated Installation >30' To 35', Add	*14.97*	
		For Elevated Installation >35' To 40', Add	*18.72*	
		For Elevated Installation >40', Add	*20.59*	
		For Work In Restricted Working Space, Add	*11.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.23*	
26 05 33 13-1014	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	182.06	24.71
		For Elevated Installation >10' To 15', Add	*4.94*	
		For Elevated Installation >15' To 20', Add	*9.88*	
		For Elevated Installation >20' To 25', Add	*12.35*	
		For Elevated Installation >25' To 30', Add	*17.29*	
		For Elevated Installation >30' To 35', Add	*19.76*	
		For Elevated Installation >35' To 40', Add	*24.71*	
		For Elevated Installation >40', Add	*27.18*	
		For Work In Restricted Working Space, Add	*14.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.82*	
26 05 33 13-1015	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	217.94	28.45
		For Elevated Installation >10' To 15', Add	*5.69*	
		For Elevated Installation >15' To 20', Add	*11.38*	
		For Elevated Installation >20' To 25', Add	*14.23*	
		For Elevated Installation >25' To 30', Add	*19.92*	
		For Elevated Installation >30' To 35', Add	*22.76*	
		For Elevated Installation >35' To 40', Add	*28.45*	
		For Elevated Installation >40', Add	*31.30*	
		For Work In Restricted Working Space, Add	*17.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.07*	
26 05 33 13-1016	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	241.72	32.94
		For Elevated Installation >10' To 15', Add	*6.59*	
		For Elevated Installation >15' To 20', Add	*13.18*	
		For Elevated Installation >20' To 25', Add	*16.47*	
		For Elevated Installation >25' To 30', Add	*23.06*	
		For Elevated Installation >30' To 35', Add	*26.35*	
		For Elevated Installation >35' To 40', Add	*32.94*	
		For Elevated Installation >40', Add	*36.23*	
		For Work In Restricted Working Space, Add	*19.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.76*	
26 05 33 13-1017	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	324.42	37.43
		For Elevated Installation >10' To 15', Add	*7.49*	
		For Elevated Installation >15' To 20', Add	*14.97*	
		For Elevated Installation >20' To 25', Add	*18.72*	
		For Elevated Installation >25' To 30', Add	*26.20*	
		For Elevated Installation >30' To 35', Add	*29.94*	
		For Elevated Installation >35' To 40', Add	*37.43*	
		For Elevated Installation >40', Add	*41.17*	
		For Work In Restricted Working Space, Add	*22.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1018	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	456.70	41.18
		For Elevated Installation >10' To 15', Add	*8.24*	
		For Elevated Installation >15' To 20', Add	*16.47*	
		For Elevated Installation >20' To 25', Add	*20.59*	
		For Elevated Installation >25' To 30', Add	*28.82*	
		For Elevated Installation >30' To 35', Add	*32.94*	
		For Elevated Installation >35' To 40', Add	*41.18*	
		For Elevated Installation >40', Add	*45.29*	
		For Work In Restricted Working Space, Add	*24.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.71*	
26 05 33 13-1019	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	1,504.35	51.66
		For Elevated Installation >10' To 15', Add	*10.33*	
		For Elevated Installation >15' To 20', Add	*20.66*	
		For Elevated Installation >20' To 25', Add	*25.83*	
		For Elevated Installation >25' To 30', Add	*36.16*	
		For Elevated Installation >30' To 35', Add	*41.32*	
		For Elevated Installation >35' To 40', Add	*51.66*	
		For Elevated Installation >40', Add	*56.82*	
		For Work In Restricted Working Space, Add	*30.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.99*	
26 05 33 13-1020	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	1,695.57	70.37
		For Elevated Installation >10' To 15', Add	*14.08*	
		For Elevated Installation >15' To 20', Add	*28.15*	
		For Elevated Installation >20' To 25', Add	*35.19*	
		For Elevated Installation >25' To 30', Add	*49.27*	
		For Elevated Installation >30' To 35', Add	*56.30*	
		For Elevated Installation >35' To 40', Add	*70.38*	
		For Elevated Installation >40', Add	*77.42*	
		For Work In Restricted Working Space, Add	*42.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.23*	
26 05 33 13-1021	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	2,018.11	103.31
		For Elevated Installation >10' To 15', Add	*20.66*	
		For Elevated Installation >15' To 20', Add	*41.32*	
		For Elevated Installation >20' To 25', Add	*51.66*	
		For Elevated Installation >25' To 30', Add	*72.32*	
		For Elevated Installation >30' To 35', Add	*82.65*	
		For Elevated Installation >35' To 40', Add	*103.31*	
		For Elevated Installation >40', Add	*113.64*	
		For Work In Restricted Working Space, Add	*61.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.99*	

26 05 33 13-1022 Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover *(26 05 33 13-0848)*

Note: Suitable for use in hazardous locations. Class I, Div 2.

26 05 33 13-1023	EA	1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	133.53	35.94
		For Elevated Installation >10' To 15', Add	*7.19*	
		For Elevated Installation >15' To 20', Add	*14.38*	
		For Elevated Installation >20' To 25', Add	*17.97*	
		For Elevated Installation >25' To 30', Add	*25.16*	
		For Elevated Installation >30' To 35', Add	*28.75*	
		For Elevated Installation >35' To 40', Add	*35.94*	
		For Elevated Installation >40', Add	*39.53*	
		For Work In Restricted Working Space, Add	*21.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.56*	
26 05 33 13-1024	EA	3/4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	150.71	41.18
		For Elevated Installation >10' To 15', Add	*8.24*	
		For Elevated Installation >15' To 20', Add	*16.47*	
		For Elevated Installation >20' To 25', Add	*20.59*	
		For Elevated Installation >25' To 30', Add	*28.82*	
		For Elevated Installation >30' To 35', Add	*32.94*	
		For Elevated Installation >35' To 40', Add	*41.18*	
		For Elevated Installation >40', Add	*45.29*	
		For Work In Restricted Working Space, Add	*24.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.71*	
26 05 33 13-1025	EA	1" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	185.80	47.17
		For Elevated Installation >10' To 15', Add	*9.43*	
		For Elevated Installation >15' To 20', Add	*18.87*	
		For Elevated Installation >20' To 25', Add	*23.58*	
		For Elevated Installation >25' To 30', Add	*33.02*	
		For Elevated Installation >30' To 35', Add	*37.73*	
		For Elevated Installation >35' To 40', Add	*47.17*	
		For Elevated Installation >40', Add	*51.88*	
		For Work In Restricted Working Space, Add	*28.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1026	EA	1-1/4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	242.08	54.65
		For Elevated Installation >10' To 15', Add	*10.93*	
		For Elevated Installation >15' To 20', Add	*21.86*	
		For Elevated Installation >20' To 25', Add	*27.33*	
		For Elevated Installation >25' To 30', Add	*38.26*	
		For Elevated Installation >30' To 35', Add	*43.72*	
		For Elevated Installation >35' To 40', Add	*54.65*	
		For Elevated Installation >40', Add	*60.12*	
		For Work In Restricted Working Space, Add	*32.79*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.79*	
26 05 33 13-1027	EA	1-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	281.92	59.90
		For Elevated Installation >10' To 15', Add	*11.98*	
		For Elevated Installation >15' To 20', Add	*23.96*	
		For Elevated Installation >20' To 25', Add	*29.95*	
		For Elevated Installation >25' To 30', Add	*41.92*	
		For Elevated Installation >30' To 35', Add	*47.91*	
		For Elevated Installation >35' To 40', Add	*59.89*	
		For Elevated Installation >40', Add	*65.88*	
		For Work In Restricted Working Space, Add	*35.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.93*	
26 05 33 13-1028	EA	2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	382.79	71.88
		For Elevated Installation >10' To 15', Add	*14.38*	
		For Elevated Installation >15' To 20', Add	*28.75*	
		For Elevated Installation >20' To 25', Add	*35.94*	
		For Elevated Installation >25' To 30', Add	*50.31*	
		For Elevated Installation >30' To 35', Add	*57.50*	
		For Elevated Installation >35' To 40', Add	*71.88*	
		For Elevated Installation >40', Add	*79.06*	
		For Work In Restricted Working Space, Add	*43.13*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.13*	
26 05 33 13-1029	EA	2-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	640.82	101.07
		For Elevated Installation >10' To 15', Add	*20.22*	
		For Elevated Installation >15' To 20', Add	*40.43*	
		For Elevated Installation >20' To 25', Add	*50.54*	
		For Elevated Installation >25' To 30', Add	*70.75*	
		For Elevated Installation >30' To 35', Add	*80.86*	
		For Elevated Installation >35' To 40', Add	*101.08*	
		For Elevated Installation >40', Add	*111.18*	
		For Work In Restricted Working Space, Add	*60.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.65*	
26 05 33 13-1030	EA	3" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	821.35	134.76
		For Elevated Installation >10' To 15', Add	*26.95*	
		For Elevated Installation >15' To 20', Add	*53.91*	
		For Elevated Installation >20' To 25', Add	*67.38*	
		For Elevated Installation >25' To 30', Add	*94.34*	
		For Elevated Installation >30' To 35', Add	*107.81*	
		For Elevated Installation >35' To 40', Add	*134.77*	
		For Elevated Installation >40', Add	*148.24*	
		For Work In Restricted Working Space, Add	*80.86*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.86*	
26 05 33 13-1031	EA	3-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	1,138.64	168.45
		For Elevated Installation >10' To 15', Add	*33.69*	
		For Elevated Installation >15' To 20', Add	*67.38*	
		For Elevated Installation >20' To 25', Add	*84.23*	
		For Elevated Installation >25' To 30', Add	*117.92*	
		For Elevated Installation >30' To 35', Add	*134.76*	
		For Elevated Installation >35' To 40', Add	*168.45*	
		For Elevated Installation >40', Add	*185.30*	
		For Work In Restricted Working Space, Add	*101.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*101.07*	
26 05 33 13-1032	EA	4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	1,308.96	205.13
		For Elevated Installation >10' To 15', Add	*41.03*	
		For Elevated Installation >15' To 20', Add	*82.05*	
		For Elevated Installation >20' To 25', Add	*102.57*	
		For Elevated Installation >25' To 30', Add	*143.59*	
		For Elevated Installation >30' To 35', Add	*164.11*	
		For Elevated Installation >35' To 40', Add	*205.14*	
		For Elevated Installation >40', Add	*225.65*	
		For Work In Restricted Working Space, Add	*123.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*123.08*	

26 05 33 13-1033 Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover *(26 05 33 13-0848)*

Note: Suitable for use in hazardous locations. Class I, Div 2.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1034	EA	1/2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	174.48	47.17
		For Elevated Installation >10' To 15', Add	*9.43*	
		For Elevated Installation >15' To 20', Add	*18.87*	
		For Elevated Installation >20' To 25', Add	*23.58*	
		For Elevated Installation >25' To 30', Add	*33.02*	
		For Elevated Installation >30' To 35', Add	*37.73*	
		For Elevated Installation >35' To 40', Add	*47.17*	
		For Elevated Installation >40', Add	*51.88*	
		For Work In Restricted Working Space, Add	*28.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.30*	
26 05 33 13-1035	EA	3/4" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	198.68	52.41
		For Elevated Installation >10' To 15', Add	*10.48*	
		For Elevated Installation >15' To 20', Add	*20.96*	
		For Elevated Installation >20' To 25', Add	*26.21*	
		For Elevated Installation >25' To 30', Add	*36.69*	
		For Elevated Installation >30' To 35', Add	*41.93*	
		For Elevated Installation >35' To 40', Add	*52.41*	
		For Elevated Installation >40', Add	*57.65*	
		For Work In Restricted Working Space, Add	*31.45*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.45*	
26 05 33 13-1036	EA	1" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	241.71	57.65
		For Elevated Installation >10' To 15', Add	*11.53*	
		For Elevated Installation >15' To 20', Add	*23.06*	
		For Elevated Installation >20' To 25', Add	*28.82*	
		For Elevated Installation >25' To 30', Add	*40.35*	
		For Elevated Installation >30' To 35', Add	*46.12*	
		For Elevated Installation >35' To 40', Add	*57.65*	
		For Elevated Installation >40', Add	*63.41*	
		For Work In Restricted Working Space, Add	*34.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.59*	
26 05 33 13-1037	EA	1-1/4" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	323.31	65.88
		For Elevated Installation >10' To 15', Add	*13.18*	
		For Elevated Installation >15' To 20', Add	*26.35*	
		For Elevated Installation >20' To 25', Add	*32.94*	
		For Elevated Installation >25' To 30', Add	*46.12*	
		For Elevated Installation >30' To 35', Add	*52.70*	
		For Elevated Installation >35' To 40', Add	*65.88*	
		For Elevated Installation >40', Add	*72.47*	
		For Work In Restricted Working Space, Add	*39.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*39.53*	
26 05 33 13-1038	EA	1-1/2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	381.18	71.88
		For Elevated Installation >10' To 15', Add	*14.38*	
		For Elevated Installation >15' To 20', Add	*28.75*	
		For Elevated Installation >20' To 25', Add	*35.94*	
		For Elevated Installation >25' To 30', Add	*50.31*	
		For Elevated Installation >30' To 35', Add	*57.50*	
		For Elevated Installation >35' To 40', Add	*71.88*	
		For Elevated Installation >40', Add	*79.06*	
		For Work In Restricted Working Space, Add	*43.13*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.13*	
26 05 33 13-1039	EA	2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	517.74	88.35
		For Elevated Installation >10' To 15', Add	*17.67*	
		For Elevated Installation >15' To 20', Add	*35.34*	
		For Elevated Installation >20' To 25', Add	*44.17*	
		For Elevated Installation >25' To 30', Add	*61.84*	
		For Elevated Installation >30' To 35', Add	*70.68*	
		For Elevated Installation >35' To 40', Add	*88.35*	
		For Elevated Installation >40', Add	*97.18*	
		For Work In Restricted Working Space, Add	*53.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*53.01*	

26 05 33 13-1040 Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover *(26 05 33 13-0848)*

Note: Suitable for use in hazardous locations. Class I, Div 2.

26 05 33 13-1041	EA	1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	153.51	41.18
		For Elevated Installation >10' To 15', Add	*8.24*	
		For Elevated Installation >15' To 20', Add	*16.47*	
		For Elevated Installation >20' To 25', Add	*20.59*	
		For Elevated Installation >25' To 30', Add	*28.83*	
		For Elevated Installation >30' To 35', Add	*32.94*	
		For Elevated Installation >35' To 40', Add	*41.18*	
		For Elevated Installation >40', Add	*45.30*	
		For Work In Restricted Working Space, Add	*24.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.71*	
26 05 33 13-1042	EA	3/4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	175.30	47.92
		For Elevated Installation >10' To 15', Add	*9.58*	
		For Elevated Installation >15' To 20', Add	*19.17*	
		For Elevated Installation >20' To 25', Add	*23.96*	
		For Elevated Installation >25' To 30', Add	*33.54*	
		For Elevated Installation >30' To 35', Add	*38.33*	
		For Elevated Installation >35' To 40', Add	*47.92*	
		For Elevated Installation >40', Add	*52.71*	
		For Work In Restricted Working Space, Add	*28.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1043	EA	1" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	211.28	52.41
		For Elevated Installation >10' To 15', Add	*10.48*	
		For Elevated Installation >15' To 20', Add	*20.96*	
		For Elevated Installation >20' To 25', Add	*26.21*	
		For Elevated Installation >25' To 30', Add	*36.69*	
		For Elevated Installation >30' To 35', Add	*41.93*	
		For Elevated Installation >35' To 40', Add	*52.41*	
		For Elevated Installation >40', Add	*57.65*	
		For Work In Restricted Working Space, Add	*31.45*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.45*	
26 05 33 13-1044	EA	1-1/4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	269.67	59.90
		For Elevated Installation >10' To 15', Add	*11.98*	
		For Elevated Installation >15' To 20', Add	*23.96*	
		For Elevated Installation >20' To 25', Add	*29.95*	
		For Elevated Installation >25' To 30', Add	*41.93*	
		For Elevated Installation >30' To 35', Add	*47.92*	
		For Elevated Installation >35' To 40', Add	*59.90*	
		For Elevated Installation >40', Add	*65.88*	
		For Work In Restricted Working Space, Add	*35.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.94*	
26 05 33 13-1045	EA	1-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	318.95	65.88
		For Elevated Installation >10' To 15', Add	*13.18*	
		For Elevated Installation >15' To 20', Add	*26.35*	
		For Elevated Installation >20' To 25', Add	*32.94*	
		For Elevated Installation >25' To 30', Add	*46.12*	
		For Elevated Installation >30' To 35', Add	*52.71*	
		For Elevated Installation >35' To 40', Add	*65.89*	
		For Elevated Installation >40', Add	*72.47*	
		For Work In Restricted Working Space, Add	*39.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*39.53*	
26 05 33 13-1046	EA	2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	426.03	77.11
		For Elevated Installation >10' To 15', Add	*15.42*	
		For Elevated Installation >15' To 20', Add	*30.85*	
		For Elevated Installation >20' To 25', Add	*38.56*	
		For Elevated Installation >25' To 30', Add	*53.98*	
		For Elevated Installation >30' To 35', Add	*61.69*	
		For Elevated Installation >35' To 40', Add	*77.12*	
		For Elevated Installation >40', Add	*84.83*	
		For Work In Restricted Working Space, Add	*46.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*46.27*	
26 05 33 13-1047	EA	2-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	683.74	112.30
		For Elevated Installation >10' To 15', Add	*22.46*	
		For Elevated Installation >15' To 20', Add	*44.92*	
		For Elevated Installation >20' To 25', Add	*56.15*	
		For Elevated Installation >25' To 30', Add	*78.61*	
		For Elevated Installation >30' To 35', Add	*89.84*	
		For Elevated Installation >35' To 40', Add	*112.31*	
		For Elevated Installation >40', Add	*123.54*	
		For Work In Restricted Working Space, Add	*67.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.38*	
26 05 33 13-1048	EA	3" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	904.65	145.99
		For Elevated Installation >10' To 15', Add	*29.20*	
		For Elevated Installation >15' To 20', Add	*58.39*	
		For Elevated Installation >20' To 25', Add	*72.99*	
		For Elevated Installation >25' To 30', Add	*102.19*	
		For Elevated Installation >30' To 35', Add	*116.79*	
		For Elevated Installation >35' To 40', Add	*145.99*	
		For Elevated Installation >40', Add	*160.58*	
		For Work In Restricted Working Space, Add	*87.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.59*	
26 05 33 13-1049	EA	3-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	1,239.98	179.68
		For Elevated Installation >10' To 15', Add	*35.94*	
		For Elevated Installation >15' To 20', Add	*71.87*	
		For Elevated Installation >20' To 25', Add	*89.84*	
		For Elevated Installation >25' To 30', Add	*125.78*	
		For Elevated Installation >30' To 35', Add	*143.74*	
		For Elevated Installation >35' To 40', Add	*179.68*	
		For Elevated Installation >40', Add	*197.65*	
		For Work In Restricted Working Space, Add	*107.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*107.81*	
26 05 33 13-1050	EA	4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	1,388.11	216.37
		For Elevated Installation >10' To 15', Add	*43.28*	
		For Elevated Installation >15' To 20', Add	*86.55*	
		For Elevated Installation >20' To 25', Add	*108.19*	
		For Elevated Installation >25' To 30', Add	*151.46*	
		For Elevated Installation >30' To 35', Add	*173.10*	
		For Elevated Installation >35' To 40', Add	*216.38*	
		For Elevated Installation >40', Add	*238.01*	
		For Work In Restricted Working Space, Add	*129.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*129.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1051		Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined *(26 05 33 13-0848)*		
26 05 33 13-1052	EA	1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	30.84	4.49
		For Elevated Installation >10' To 15', Add	*0.90*	
		For Elevated Installation >15' To 20', Add	*1.80*	
		For Elevated Installation >20' To 25', Add	*2.25*	
		For Elevated Installation >25' To 30', Add	*3.14*	
		For Elevated Installation >30' To 35', Add	*3.59*	
		For Elevated Installation >35' To 40', Add	*4.49*	
		For Elevated Installation >40', Add	*4.94*	
		For Work In Restricted Working Space, Add	*2.69*	
26 05 33 13-1053	EA	3/4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	34.64	5.24
		For Elevated Installation >10' To 15', Add	*1.05*	
		For Elevated Installation >15' To 20', Add	*2.10*	
		For Elevated Installation >20' To 25', Add	*2.62*	
		For Elevated Installation >25' To 30', Add	*3.67*	
		For Elevated Installation >30' To 35', Add	*4.20*	
		For Elevated Installation >35' To 40', Add	*5.25*	
		For Elevated Installation >40', Add	*5.77*	
		For Work In Restricted Working Space, Add	*3.15*	
26 05 33 13-1054	EA	1" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	45.15	6.74
		For Elevated Installation >10' To 15', Add	*1.35*	
		For Elevated Installation >15' To 20', Add	*2.69*	
		For Elevated Installation >20' To 25', Add	*3.37*	
		For Elevated Installation >25' To 30', Add	*4.71*	
		For Elevated Installation >30' To 35', Add	*5.39*	
		For Elevated Installation >35' To 40', Add	*6.74*	
		For Elevated Installation >40', Add	*7.41*	
		For Work In Restricted Working Space, Add	*4.04*	
26 05 33 13-1055	EA	1-1/4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	58.01	8.24
		For Elevated Installation >10' To 15', Add	*1.65*	
		For Elevated Installation >15' To 20', Add	*3.29*	
		For Elevated Installation >20' To 25', Add	*4.12*	
		For Elevated Installation >25' To 30', Add	*5.76*	
		For Elevated Installation >30' To 35', Add	*6.59*	
		For Elevated Installation >35' To 40', Add	*8.24*	
		For Elevated Installation >40', Add	*9.06*	
		For Work In Restricted Working Space, Add	*4.94*	
26 05 33 13-1056	EA	1-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	65.02	9.73
		For Elevated Installation >10' To 15', Add	*1.95*	
		For Elevated Installation >15' To 20', Add	*3.89*	
		For Elevated Installation >20' To 25', Add	*4.87*	
		For Elevated Installation >25' To 30', Add	*6.81*	
		For Elevated Installation >30' To 35', Add	*7.79*	
		For Elevated Installation >35' To 40', Add	*9.74*	
		For Elevated Installation >40', Add	*10.71*	
		For Work In Restricted Working Space, Add	*5.84*	
26 05 33 13-1057	EA	2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	80.37	11.23
		For Elevated Installation >10' To 15', Add	*2.25*	
		For Elevated Installation >15' To 20', Add	*4.49*	
		For Elevated Installation >20' To 25', Add	*5.62*	
		For Elevated Installation >25' To 30', Add	*7.86*	
		For Elevated Installation >30' To 35', Add	*8.98*	
		For Elevated Installation >35' To 40', Add	*11.23*	
		For Elevated Installation >40', Add	*12.35*	
		For Work In Restricted Working Space, Add	*6.74*	
26 05 33 13-1058	EA	2-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	103.75	12.73
		For Elevated Installation >10' To 15', Add	*2.55*	
		For Elevated Installation >15' To 20', Add	*5.09*	
		For Elevated Installation >20' To 25', Add	*6.36*	
		For Elevated Installation >25' To 30', Add	*8.91*	
		For Elevated Installation >30' To 35', Add	*10.18*	
		For Elevated Installation >35' To 40', Add	*12.73*	
		For Elevated Installation >40', Add	*14.00*	
		For Work In Restricted Working Space, Add	*7.64*	
26 05 33 13-1059	EA	3" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	114.24	17.96
		For Elevated Installation >10' To 15', Add	*3.59*	
		For Elevated Installation >15' To 20', Add	*7.19*	
		For Elevated Installation >20' To 25', Add	*8.99*	
		For Elevated Installation >25' To 30', Add	*12.58*	
		For Elevated Installation >30' To 35', Add	*14.38*	
		For Elevated Installation >35' To 40', Add	*17.97*	
		For Elevated Installation >40', Add	*19.77*	
		For Work In Restricted Working Space, Add	*10.78*	
26 05 33 13-1060	EA	3-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	138.61	20.21
		For Elevated Installation >10' To 15', Add	*4.04*	
		For Elevated Installation >15' To 20', Add	*8.09*	
		For Elevated Installation >20' To 25', Add	*10.11*	
		For Elevated Installation >25' To 30', Add	*14.15*	
		For Elevated Installation >30' To 35', Add	*16.17*	
		For Elevated Installation >35' To 40', Add	*20.22*	
		For Elevated Installation >40', Add	*22.24*	
		For Work In Restricted Working Space, Add	*12.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1061	EA	4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	149.08	25.45
		For Elevated Installation >10' To 15', Add	*5.09*	
		For Elevated Installation >15' To 20', Add	*10.18*	
		For Elevated Installation >20' To 25', Add	*12.73*	
		For Elevated Installation >25' To 30', Add	*17.82*	
		For Elevated Installation >30' To 35', Add	*20.36*	
		For Elevated Installation >35' To 40', Add	*25.45*	
		For Elevated Installation >40', Add	*28.00*	
		For Work In Restricted Working Space, Add	*15.27*	

26 05 33 13-1062 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Bodies *(26 05 33 13-0848)*

26 05 33 13-1063	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	150.10	35.94
		For Elevated Installation >10' To 15', Add	*7.19*	
		For Elevated Installation >15' To 20', Add	*14.38*	
		For Elevated Installation >20' To 25', Add	*17.97*	
		For Elevated Installation >25' To 30', Add	*25.16*	
		For Elevated Installation >30' To 35', Add	*28.75*	
		For Elevated Installation >35' To 40', Add	*35.94*	
		For Elevated Installation >40', Add	*39.53*	
		For Work In Restricted Working Space, Add	*21.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.56*	
26 05 33 13-1064	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	166.47	41.18
		For Elevated Installation >10' To 15', Add	*8.24*	
		For Elevated Installation >15' To 20', Add	*16.47*	
		For Elevated Installation >20' To 25', Add	*20.59*	
		For Elevated Installation >25' To 30', Add	*28.82*	
		For Elevated Installation >30' To 35', Add	*32.94*	
		For Elevated Installation >35' To 40', Add	*41.18*	
		For Elevated Installation >40', Add	*45.29*	
		For Work In Restricted Working Space, Add	*24.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.71*	
26 05 33 13-1065	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	194.26	47.17
		For Elevated Installation >10' To 15', Add	*9.43*	
		For Elevated Installation >15' To 20', Add	*18.87*	
		For Elevated Installation >20' To 25', Add	*23.58*	
		For Elevated Installation >25' To 30', Add	*33.02*	
		For Elevated Installation >30' To 35', Add	*37.73*	
		For Elevated Installation >35' To 40', Add	*47.17*	
		For Elevated Installation >40', Add	*51.88*	
		For Work In Restricted Working Space, Add	*28.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.30*	
26 05 33 13-1066	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	230.34	54.65
		For Elevated Installation >10' To 15', Add	*10.93*	
		For Elevated Installation >15' To 20', Add	*21.86*	
		For Elevated Installation >20' To 25', Add	*27.33*	
		For Elevated Installation >25' To 30', Add	*38.26*	
		For Elevated Installation >30' To 35', Add	*43.72*	
		For Elevated Installation >35' To 40', Add	*54.66*	
		For Elevated Installation >40', Add	*60.12*	
		For Work In Restricted Working Space, Add	*32.79*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.79*	
26 05 33 13-1067	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	285.23	59.90
		For Elevated Installation >10' To 15', Add	*11.98*	
		For Elevated Installation >15' To 20', Add	*23.96*	
		For Elevated Installation >20' To 25', Add	*29.95*	
		For Elevated Installation >25' To 30', Add	*41.93*	
		For Elevated Installation >30' To 35', Add	*47.92*	
		For Elevated Installation >35' To 40', Add	*59.90*	
		For Elevated Installation >40', Add	*65.88*	
		For Work In Restricted Working Space, Add	*35.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.94*	
26 05 33 13-1068	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	345.54	71.88
		For Elevated Installation >10' To 15', Add	*14.38*	
		For Elevated Installation >15' To 20', Add	*28.75*	
		For Elevated Installation >20' To 25', Add	*35.94*	
		For Elevated Installation >25' To 30', Add	*50.31*	
		For Elevated Installation >30' To 35', Add	*57.50*	
		For Elevated Installation >35' To 40', Add	*71.88*	
		For Elevated Installation >40', Add	*79.06*	
		For Work In Restricted Working Space, Add	*43.13*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.13*	
26 05 33 13-1069	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	499.85	101.07
		For Elevated Installation >10' To 15', Add	*20.21*	
		For Elevated Installation >15' To 20', Add	*40.43*	
		For Elevated Installation >20' To 25', Add	*50.54*	
		For Elevated Installation >25' To 30', Add	*70.75*	
		For Elevated Installation >30' To 35', Add	*80.86*	
		For Elevated Installation >35' To 40', Add	*101.07*	
		For Elevated Installation >40', Add	*111.18*	
		For Work In Restricted Working Space, Add	*60.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1070	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	641.87	134.76
		For Elevated Installation >10' To 15', Add	*26.95*	
		For Elevated Installation >15' To 20', Add	*53.90*	
		For Elevated Installation >20' To 25', Add	*67.38*	
		For Elevated Installation >25' To 30', Add	*94.33*	
		For Elevated Installation >30' To 35', Add	*107.81*	
		For Elevated Installation >35' To 40', Add	*134.76*	
		For Elevated Installation >40', Add	*148.24*	
		For Work In Restricted Working Space, Add	*80.86*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.86*	
26 05 33 13-1071	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	1,265.74	168.45
		For Elevated Installation >10' To 15', Add	*33.69*	
		For Elevated Installation >15' To 20', Add	*67.38*	
		For Elevated Installation >20' To 25', Add	*84.23*	
		For Elevated Installation >25' To 30', Add	*117.92*	
		For Elevated Installation >30' To 35', Add	*134.76*	
		For Elevated Installation >35' To 40', Add	*168.45*	
		For Elevated Installation >40', Add	*185.30*	
		For Work In Restricted Working Space, Add	*101.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*101.07*	
26 05 33 13-1072	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	1,846.06	205.13
		For Elevated Installation >10' To 15', Add	*41.03*	
		For Elevated Installation >15' To 20', Add	*82.05*	
		For Elevated Installation >20' To 25', Add	*102.57*	
		For Elevated Installation >25' To 30', Add	*143.59*	
		For Elevated Installation >30' To 35', Add	*164.11*	
		For Elevated Installation >35' To 40', Add	*205.14*	
		For Elevated Installation >40', Add	*225.65*	
		For Work In Restricted Working Space, Add	*123.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*123.08*	

26 05 33 13-1073 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Bodies *(26 05 33 13-0848)*

26 05 33 13-1074	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	251.91	35.94
		For Elevated Installation >10' To 15', Add	*7.19*	
		For Elevated Installation >15' To 20', Add	*14.38*	
		For Elevated Installation >20' To 25', Add	*17.97*	
		For Elevated Installation >25' To 30', Add	*25.16*	
		For Elevated Installation >30' To 35', Add	*28.75*	
		For Elevated Installation >35' To 40', Add	*35.94*	
		For Elevated Installation >40', Add	*39.53*	
		For Work In Restricted Working Space, Add	*21.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.56*	
26 05 33 13-1075	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	271.74	41.18
		For Elevated Installation >10' To 15', Add	*8.24*	
		For Elevated Installation >15' To 20', Add	*16.47*	
		For Elevated Installation >20' To 25', Add	*20.59*	
		For Elevated Installation >25' To 30', Add	*28.82*	
		For Elevated Installation >30' To 35', Add	*32.94*	
		For Elevated Installation >35' To 40', Add	*41.18*	
		For Elevated Installation >40', Add	*45.29*	
		For Work In Restricted Working Space, Add	*24.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.71*	
26 05 33 13-1076	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	310.33	47.17
		For Elevated Installation >10' To 15', Add	*9.43*	
		For Elevated Installation >15' To 20', Add	*18.87*	
		For Elevated Installation >20' To 25', Add	*23.58*	
		For Elevated Installation >25' To 30', Add	*33.02*	
		For Elevated Installation >30' To 35', Add	*37.73*	
		For Elevated Installation >35' To 40', Add	*47.17*	
		For Elevated Installation >40', Add	*51.88*	
		For Work In Restricted Working Space, Add	*28.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.30*	
26 05 33 13-1077	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	347.74	54.65
		For Elevated Installation >10' To 15', Add	*10.93*	
		For Elevated Installation >15' To 20', Add	*21.86*	
		For Elevated Installation >20' To 25', Add	*27.33*	
		For Elevated Installation >25' To 30', Add	*38.26*	
		For Elevated Installation >30' To 35', Add	*43.72*	
		For Elevated Installation >35' To 40', Add	*54.66*	
		For Elevated Installation >40', Add	*60.12*	
		For Work In Restricted Working Space, Add	*32.79*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.79*	
26 05 33 13-1078	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	420.37	59.90
		For Elevated Installation >10' To 15', Add	*11.98*	
		For Elevated Installation >15' To 20', Add	*23.96*	
		For Elevated Installation >20' To 25', Add	*29.95*	
		For Elevated Installation >25' To 30', Add	*41.93*	
		For Elevated Installation >30' To 35', Add	*47.92*	
		For Elevated Installation >35' To 40', Add	*59.90*	
		For Elevated Installation >40', Add	*65.88*	
		For Work In Restricted Working Space, Add	*35.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1079	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	474.10	71.88
		For Elevated Installation >10' To 15', Add	*14.38*	
		For Elevated Installation >15' To 20', Add	*28.75*	
		For Elevated Installation >20' To 25', Add	*35.94*	
		For Elevated Installation >25' To 30', Add	*50.31*	
		For Elevated Installation >30' To 35', Add	*57.50*	
		For Elevated Installation >35' To 40', Add	*71.88*	
		For Elevated Installation >40', Add	*79.06*	
		For Work In Restricted Working Space, Add	*43.13*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.13*	
26 05 33 13-1080	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	666.99	101.07
		For Elevated Installation >10' To 15', Add	*20.21*	
		For Elevated Installation >15' To 20', Add	*40.43*	
		For Elevated Installation >20' To 25', Add	*50.54*	
		For Elevated Installation >25' To 30', Add	*70.75*	
		For Elevated Installation >30' To 35', Add	*80.86*	
		For Elevated Installation >35' To 40', Add	*101.07*	
		For Elevated Installation >40', Add	*111.18*	
		For Work In Restricted Working Space, Add	*60.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.64*	
26 05 33 13-1081	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	928.11	134.76
		For Elevated Installation >10' To 15', Add	*26.95*	
		For Elevated Installation >15' To 20', Add	*53.90*	
		For Elevated Installation >20' To 25', Add	*67.38*	
		For Elevated Installation >25' To 30', Add	*94.33*	
		For Elevated Installation >30' To 35', Add	*107.81*	
		For Elevated Installation >35' To 40', Add	*134.76*	
		For Elevated Installation >40', Add	*148.24*	
		For Work In Restricted Working Space, Add	*80.86*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.86*	
26 05 33 13-1082	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	1,348.87	168.45
		For Elevated Installation >10' To 15', Add	*33.69*	
		For Elevated Installation >15' To 20', Add	*67.38*	
		For Elevated Installation >20' To 25', Add	*84.23*	
		For Elevated Installation >25' To 30', Add	*117.92*	
		For Elevated Installation >30' To 35', Add	*134.76*	
		For Elevated Installation >35' To 40', Add	*168.45*	
		For Elevated Installation >40', Add	*185.30*	
		For Work In Restricted Working Space, Add	*101.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*101.07*	
26 05 33 13-1083	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	1,954.84	205.13
		For Elevated Installation >10' To 15', Add	*41.03*	
		For Elevated Installation >15' To 20', Add	*82.05*	
		For Elevated Installation >20' To 25', Add	*102.57*	
		For Elevated Installation >25' To 30', Add	*143.59*	
		For Elevated Installation >30' To 35', Add	*164.11*	
		For Elevated Installation >35' To 40', Add	*205.14*	
		For Elevated Installation >40', Add	*225.65*	
		For Work In Restricted Working Space, Add	*123.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*123.08*	

26 05 33 13-1084 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Bodies *(26 05 33 13-0848)*

26 05 33 13-1085	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	202.90	35.94
		For Elevated Installation >10' To 15', Add	*7.19*	
		For Elevated Installation >15' To 20', Add	*14.38*	
		For Elevated Installation >20' To 25', Add	*17.97*	
		For Elevated Installation >25' To 30', Add	*25.16*	
		For Elevated Installation >30' To 35', Add	*28.75*	
		For Elevated Installation >35' To 40', Add	*35.94*	
		For Elevated Installation >40', Add	*39.53*	
		For Work In Restricted Working Space, Add	*21.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.56*	
26 05 33 13-1086	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	216.85	41.18
		For Elevated Installation >10' To 15', Add	*8.24*	
		For Elevated Installation >15' To 20', Add	*16.47*	
		For Elevated Installation >20' To 25', Add	*20.59*	
		For Elevated Installation >25' To 30', Add	*28.82*	
		For Elevated Installation >30' To 35', Add	*32.94*	
		For Elevated Installation >35' To 40', Add	*41.18*	
		For Elevated Installation >40', Add	*45.29*	
		For Work In Restricted Working Space, Add	*24.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.71*	
26 05 33 13-1087	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	249.12	47.17
		For Elevated Installation >10' To 15', Add	*9.43*	
		For Elevated Installation >15' To 20', Add	*18.87*	
		For Elevated Installation >20' To 25', Add	*23.58*	
		For Elevated Installation >25' To 30', Add	*33.02*	
		For Elevated Installation >30' To 35', Add	*37.73*	
		For Elevated Installation >35' To 40', Add	*47.17*	
		For Elevated Installation >40', Add	*51.88*	
		For Work In Restricted Working Space, Add	*28.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1088	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	278.31	54.65
		For Elevated Installation >10' To 15', Add	*10.93*	
		For Elevated Installation >15' To 20', Add	*21.86*	
		For Elevated Installation >20' To 25', Add	*27.33*	
		For Elevated Installation >25' To 30', Add	*38.26*	
		For Elevated Installation >30' To 35', Add	*43.72*	
		For Elevated Installation >35' To 40', Add	*54.66*	
		For Elevated Installation >40', Add	*60.12*	
		For Work In Restricted Working Space, Add	*32.79*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.79*	
26 05 33 13-1089	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	379.95	59.90
		For Elevated Installation >10' To 15', Add	*11.98*	
		For Elevated Installation >15' To 20', Add	*23.96*	
		For Elevated Installation >20' To 25', Add	*29.95*	
		For Elevated Installation >25' To 30', Add	*41.93*	
		For Elevated Installation >30' To 35', Add	*47.92*	
		For Elevated Installation >35' To 40', Add	*59.90*	
		For Elevated Installation >40', Add	*65.88*	
		For Work In Restricted Working Space, Add	*35.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.94*	
26 05 33 13-1090	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	476.54	71.88
		For Elevated Installation >10' To 15', Add	*14.38*	
		For Elevated Installation >15' To 20', Add	*28.75*	
		For Elevated Installation >20' To 25', Add	*35.94*	
		For Elevated Installation >25' To 30', Add	*50.31*	
		For Elevated Installation >30' To 35', Add	*57.50*	
		For Elevated Installation >35' To 40', Add	*71.88*	
		For Elevated Installation >40', Add	*79.06*	
		For Work In Restricted Working Space, Add	*43.13*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.13*	
26 05 33 13-1091	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	738.07	101.07
		For Elevated Installation >10' To 15', Add	*20.21*	
		For Elevated Installation >15' To 20', Add	*40.43*	
		For Elevated Installation >20' To 25', Add	*50.54*	
		For Elevated Installation >25' To 30', Add	*70.75*	
		For Elevated Installation >30' To 35', Add	*80.86*	
		For Elevated Installation >35' To 40', Add	*101.07*	
		For Elevated Installation >40', Add	*111.18*	
		For Work In Restricted Working Space, Add	*60.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.64*	
26 05 33 13-1092	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	1,072.73	134.76
		For Elevated Installation >10' To 15', Add	*26.95*	
		For Elevated Installation >15' To 20', Add	*53.90*	
		For Elevated Installation >20' To 25', Add	*67.38*	
		For Elevated Installation >25' To 30', Add	*94.33*	
		For Elevated Installation >30' To 35', Add	*107.81*	
		For Elevated Installation >35' To 40', Add	*134.76*	
		For Elevated Installation >40', Add	*148.24*	
		For Work In Restricted Working Space, Add	*80.86*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.86*	
26 05 33 13-1093	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	1,348.87	168.45
		For Elevated Installation >10' To 15', Add	*33.69*	
		For Elevated Installation >15' To 20', Add	*67.38*	
		For Elevated Installation >20' To 25', Add	*84.23*	
		For Elevated Installation >25' To 30', Add	*117.92*	
		For Elevated Installation >30' To 35', Add	*134.76*	
		For Elevated Installation >35' To 40', Add	*168.45*	
		For Elevated Installation >40', Add	*185.30*	
		For Work In Restricted Working Space, Add	*101.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*101.07*	

26 05 33 13-1094 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Bodies *(26 05 33 13-0848)*

26 05 33 13-1095	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	266.30	35.94
		For Elevated Installation >10' To 15', Add	*7.19*	
		For Elevated Installation >15' To 20', Add	*14.38*	
		For Elevated Installation >20' To 25', Add	*17.97*	
		For Elevated Installation >25' To 30', Add	*25.16*	
		For Elevated Installation >30' To 35', Add	*28.75*	
		For Elevated Installation >35' To 40', Add	*35.94*	
		For Elevated Installation >40', Add	*39.53*	
		For Work In Restricted Working Space, Add	*21.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.56*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1096		EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	295.74	41.18
			For Elevated Installation >10' To 15', Add	*8.24*	
			For Elevated Installation >15' To 20', Add	*16.47*	
			For Elevated Installation >20' To 25', Add	*20.59*	
			For Elevated Installation >25' To 30', Add	*28.82*	
			For Elevated Installation >30' To 35', Add	*32.94*	
			For Elevated Installation >35' To 40', Add	*41.18*	
			For Elevated Installation >40', Add	*45.29*	
			For Work In Restricted Working Space, Add	*24.71*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.71*	
26 05 33 13-1097		EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	365.85	47.17
			For Elevated Installation >10' To 15', Add	*9.43*	
			For Elevated Installation >15' To 20', Add	*18.87*	
			For Elevated Installation >20' To 25', Add	*23.58*	
			For Elevated Installation >25' To 30', Add	*33.02*	
			For Elevated Installation >30' To 35', Add	*37.73*	
			For Elevated Installation >35' To 40', Add	*47.17*	
			For Elevated Installation >40', Add	*51.88*	
			For Work In Restricted Working Space, Add	*28.30*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.30*	
26 05 33 13-1098		EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	450.41	54.65
			For Elevated Installation >10' To 15', Add	*10.93*	
			For Elevated Installation >15' To 20', Add	*21.86*	
			For Elevated Installation >20' To 25', Add	*27.33*	
			For Elevated Installation >25' To 30', Add	*38.26*	
			For Elevated Installation >30' To 35', Add	*43.72*	
			For Elevated Installation >35' To 40', Add	*54.66*	
			For Elevated Installation >40', Add	*60.12*	
			For Work In Restricted Working Space, Add	*32.79*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.79*	
26 05 33 13-1099		EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	623.11	59.90
			For Elevated Installation >10' To 15', Add	*11.98*	
			For Elevated Installation >15' To 20', Add	*23.96*	
			For Elevated Installation >20' To 25', Add	*29.95*	
			For Elevated Installation >25' To 30', Add	*41.93*	
			For Elevated Installation >30' To 35', Add	*47.92*	
			For Elevated Installation >35' To 40', Add	*59.90*	
			For Elevated Installation >40', Add	*65.88*	
			For Work In Restricted Working Space, Add	*35.94*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.94*	
26 05 33 13-1100		EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	746.79	71.88
			For Elevated Installation >10' To 15', Add	*14.38*	
			For Elevated Installation >15' To 20', Add	*28.75*	
			For Elevated Installation >20' To 25', Add	*35.94*	
			For Elevated Installation >25' To 30', Add	*50.31*	
			For Elevated Installation >30' To 35', Add	*57.50*	
			For Elevated Installation >35' To 40', Add	*71.88*	
			For Elevated Installation >40', Add	*79.06*	
			For Work In Restricted Working Space, Add	*43.13*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.13*	

26 05 33 13-1101 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Couplings *(26 05 33 13-0848)*

26 05 33 13-1102		EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	52.61	14.40
			For Elevated Installation >10' To 15', Add	*2.88*	
			For Elevated Installation >15' To 20', Add	*5.76*	
			For Elevated Installation >20' To 25', Add	*7.20*	
			For Elevated Installation >25' To 30', Add	*10.08*	
			For Elevated Installation >30' To 35', Add	*11.52*	
			For Elevated Installation >35' To 40', Add	*14.40*	
			For Elevated Installation >40', Add	*15.83*	
			For Work In Restricted Working Space, Add	*8.64*	
26 05 33 13-1103		EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	69.45	17.27
			For Elevated Installation >10' To 15', Add	*3.46*	
			For Elevated Installation >15' To 20', Add	*6.91*	
			For Elevated Installation >20' To 25', Add	*8.64*	
			For Elevated Installation >25' To 30', Add	*12.09*	
			For Elevated Installation >30' To 35', Add	*13.82*	
			For Elevated Installation >35' To 40', Add	*17.28*	
			For Elevated Installation >40', Add	*19.00*	
			For Work In Restricted Working Space, Add	*10.37*	
26 05 33 13-1104		EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	88.45	23.04
			For Elevated Installation >10' To 15', Add	*4.61*	
			For Elevated Installation >15' To 20', Add	*9.21*	
			For Elevated Installation >20' To 25', Add	*11.52*	
			For Elevated Installation >25' To 30', Add	*16.12*	
			For Elevated Installation >30' To 35', Add	*18.43*	
			For Elevated Installation >35' To 40', Add	*23.04*	
			For Elevated Installation >40', Add	*25.34*	
			For Work In Restricted Working Space, Add	*13.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1105	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	121.19	28.79
		For Elevated Installation >10' To 15', Add	*5.76*	
		For Elevated Installation >15' To 20', Add	*11.52*	
		For Elevated Installation >20' To 25', Add	*14.40*	
		For Elevated Installation >25' To 30', Add	*20.16*	
		For Elevated Installation >30' To 35', Add	*23.04*	
		For Elevated Installation >35' To 40', Add	*28.80*	
		For Elevated Installation >40', Add	*31.67*	
		For Work In Restricted Working Space, Add	*17.28*	
26 05 33 13-1106	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	158.47	34.55
		For Elevated Installation >10' To 15', Add	*6.91*	
		For Elevated Installation >15' To 20', Add	*13.82*	
		For Elevated Installation >20' To 25', Add	*17.28*	
		For Elevated Installation >25' To 30', Add	*24.19*	
		For Elevated Installation >30' To 35', Add	*27.64*	
		For Elevated Installation >35' To 40', Add	*34.56*	
		For Elevated Installation >40', Add	*38.01*	
		For Work In Restricted Working Space, Add	*20.73*	
26 05 33 13-1107	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	269.56	40.31
		For Elevated Installation >10' To 15', Add	*8.06*	
		For Elevated Installation >15' To 20', Add	*16.13*	
		For Elevated Installation >20' To 25', Add	*20.16*	
		For Elevated Installation >25' To 30', Add	*28.22*	
		For Elevated Installation >30' To 35', Add	*32.25*	
		For Elevated Installation >35' To 40', Add	*40.32*	
		For Elevated Installation >40', Add	*44.35*	
		For Work In Restricted Working Space, Add	*24.19*	
26 05 33 13-1108	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	389.59	46.07
		For Elevated Installation >10' To 15', Add	*9.21*	
		For Elevated Installation >15' To 20', Add	*18.43*	
		For Elevated Installation >20' To 25', Add	*23.04*	
		For Elevated Installation >25' To 30', Add	*32.25*	
		For Elevated Installation >30' To 35', Add	*36.86*	
		For Elevated Installation >35' To 40', Add	*46.07*	
		For Elevated Installation >40', Add	*50.68*	
		For Work In Restricted Working Space, Add	*27.64*	
26 05 33 13-1109	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	485.11	51.83
		For Elevated Installation >10' To 15', Add	*10.37*	
		For Elevated Installation >15' To 20', Add	*20.73*	
		For Elevated Installation >20' To 25', Add	*25.92*	
		For Elevated Installation >25' To 30', Add	*36.28*	
		For Elevated Installation >30' To 35', Add	*41.46*	
		For Elevated Installation >35' To 40', Add	*51.83*	
		For Elevated Installation >40', Add	*57.01*	
		For Work In Restricted Working Space, Add	*31.10*	
26 05 33 13-1110	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	673.27	60.47
		For Elevated Installation >10' To 15', Add	*12.09*	
		For Elevated Installation >15' To 20', Add	*24.19*	
		For Elevated Installation >20' To 25', Add	*30.24*	
		For Elevated Installation >25' To 30', Add	*42.33*	
		For Elevated Installation >30' To 35', Add	*48.38*	
		For Elevated Installation >35' To 40', Add	*60.47*	
		For Elevated Installation >40', Add	*66.52*	
		For Work In Restricted Working Space, Add	*36.28*	
26 05 33 13-1111	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	816.74	69.11
		For Elevated Installation >10' To 15', Add	*13.82*	
		For Elevated Installation >15' To 20', Add	*27.64*	
		For Elevated Installation >20' To 25', Add	*34.56*	
		For Elevated Installation >25' To 30', Add	*48.38*	
		For Elevated Installation >30' To 35', Add	*55.29*	
		For Elevated Installation >35' To 40', Add	*69.11*	
		For Elevated Installation >40', Add	*76.02*	
		For Work In Restricted Working Space, Add	*41.47*	
26 05 33 13-1112	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	1,307.00	109.42
		For Elevated Installation >10' To 15', Add	*21.88*	
		For Elevated Installation >15' To 20', Add	*43.77*	
		For Elevated Installation >20' To 25', Add	*54.71*	
		For Elevated Installation >25' To 30', Add	*76.59*	
		For Elevated Installation >30' To 35', Add	*87.54*	
		For Elevated Installation >35' To 40', Add	*109.42*	
		For Elevated Installation >40', Add	*120.36*	
		For Work In Restricted Working Space, Add	*65.65*	
26 05 33 13-1113	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	1,789.59	167.01
		For Elevated Installation >10' To 15', Add	*33.40*	
		For Elevated Installation >15' To 20', Add	*66.80*	
		For Elevated Installation >20' To 25', Add	*83.51*	
		For Elevated Installation >25' To 30', Add	*116.91*	
		For Elevated Installation >30' To 35', Add	*133.61*	
		For Elevated Installation >35' To 40', Add	*167.01*	
		For Elevated Installation >40', Add	*183.71*	
		For Work In Restricted Working Space, Add	*100.21*	

26 05 33 13-1114 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbows *(26 05 33 13-0848)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1115	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	191.72	35.94
		For Elevated Installation >10' To 15', Add	*7.19*	
		For Elevated Installation >15' To 20', Add	*14.38*	
		For Elevated Installation >20' To 25', Add	*17.97*	
		For Elevated Installation >25' To 30', Add	*25.16*	
		For Elevated Installation >30' To 35', Add	*28.75*	
		For Elevated Installation >35' To 40', Add	*35.94*	
		For Elevated Installation >40', Add	*39.53*	
		For Work In Restricted Working Space, Add	*21.56*	
26 05 33 13-1116	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	226.17	39.68
		For Elevated Installation >10' To 15', Add	*7.94*	
		For Elevated Installation >15' To 20', Add	*15.87*	
		For Elevated Installation >20' To 25', Add	*19.84*	
		For Elevated Installation >25' To 30', Add	*27.78*	
		For Elevated Installation >30' To 35', Add	*31.74*	
		For Elevated Installation >35' To 40', Add	*39.68*	
		For Elevated Installation >40', Add	*43.65*	
		For Work In Restricted Working Space, Add	*23.81*	
26 05 33 13-1117	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	250.14	47.17
		For Elevated Installation >10' To 15', Add	*9.43*	
		For Elevated Installation >15' To 20', Add	*18.87*	
		For Elevated Installation >20' To 25', Add	*23.58*	
		For Elevated Installation >25' To 30', Add	*33.02*	
		For Elevated Installation >30' To 35', Add	*37.73*	
		For Elevated Installation >35' To 40', Add	*47.17*	
		For Elevated Installation >40', Add	*51.88*	
		For Work In Restricted Working Space, Add	*28.30*	
26 05 33 13-1118	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	357.24	54.65
		For Elevated Installation >10' To 15', Add	*10.93*	
		For Elevated Installation >15' To 20', Add	*21.86*	
		For Elevated Installation >20' To 25', Add	*27.33*	
		For Elevated Installation >25' To 30', Add	*38.26*	
		For Elevated Installation >30' To 35', Add	*43.72*	
		For Elevated Installation >35' To 40', Add	*54.66*	
		For Elevated Installation >40', Add	*60.12*	
		For Work In Restricted Working Space, Add	*32.79*	
26 05 33 13-1119	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	469.15	59.90
		For Elevated Installation >10' To 15', Add	*11.98*	
		For Elevated Installation >15' To 20', Add	*23.96*	
		For Elevated Installation >20' To 25', Add	*29.95*	
		For Elevated Installation >25' To 30', Add	*41.93*	
		For Elevated Installation >30' To 35', Add	*47.92*	
		For Elevated Installation >35' To 40', Add	*59.90*	
		For Elevated Installation >40', Add	*65.88*	
		For Work In Restricted Working Space, Add	*35.94*	
26 05 33 13-1120	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	507.63	71.88
		For Elevated Installation >10' To 15', Add	*14.38*	
		For Elevated Installation >15' To 20', Add	*28.75*	
		For Elevated Installation >20' To 25', Add	*35.94*	
		For Elevated Installation >25' To 30', Add	*50.31*	
		For Elevated Installation >30' To 35', Add	*57.50*	
		For Elevated Installation >35' To 40', Add	*71.88*	
		For Elevated Installation >40', Add	*79.06*	
		For Work In Restricted Working Space, Add	*43.13*	
26 05 33 13-1121	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	1,187.07	99.57
		For Elevated Installation >10' To 15', Add	*19.92*	
		For Elevated Installation >15' To 20', Add	*39.83*	
		For Elevated Installation >20' To 25', Add	*49.79*	
		For Elevated Installation >25' To 30', Add	*69.70*	
		For Elevated Installation >30' To 35', Add	*79.66*	
		For Elevated Installation >35' To 40', Add	*99.58*	
		For Elevated Installation >40', Add	*109.53*	
		For Work In Restricted Working Space, Add	*59.75*	
26 05 33 13-1122	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	1,257.68	134.76
		For Elevated Installation >10' To 15', Add	*26.95*	
		For Elevated Installation >15' To 20', Add	*53.91*	
		For Elevated Installation >20' To 25', Add	*67.38*	
		For Elevated Installation >25' To 30', Add	*94.34*	
		For Elevated Installation >30' To 35', Add	*107.81*	
		For Elevated Installation >35' To 40', Add	*134.77*	
		For Elevated Installation >40', Add	*148.24*	
		For Work In Restricted Working Space, Add	*80.86*	
26 05 33 13-1123	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	2,048.56	168.45
		For Elevated Installation >10' To 15', Add	*33.69*	
		For Elevated Installation >15' To 20', Add	*67.38*	
		For Elevated Installation >20' To 25', Add	*84.23*	
		For Elevated Installation >25' To 30', Add	*117.92*	
		For Elevated Installation >30' To 35', Add	*134.77*	
		For Elevated Installation >35' To 40', Add	*168.46*	
		For Elevated Installation >40', Add	*185.31*	
		For Work In Restricted Working Space, Add	*101.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1124	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	2,138.54	205.13
		For Elevated Installation >10' To 15', Add	*41.03*	
		For Elevated Installation >15' To 20', Add	*82.06*	
		For Elevated Installation >20' To 25', Add	*102.58*	
		For Elevated Installation >25' To 30', Add	*143.61*	
		For Elevated Installation >30' To 35', Add	*164.12*	
		For Elevated Installation >35' To 40', Add	*205.15*	
		For Elevated Installation >40', Add	*225.67*	
		For Work In Restricted Working Space, Add	*123.09*	

26 05 33 13-1125 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbows *(26 05 33 13-0848)*

26 05 33 13-1126	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	277.00	35.94
		For Elevated Installation >10' To 15', Add	*7.19*	
		For Elevated Installation >15' To 20', Add	*14.38*	
		For Elevated Installation >20' To 25', Add	*17.97*	
		For Elevated Installation >25' To 30', Add	*25.16*	
		For Elevated Installation >30' To 35', Add	*28.75*	
		For Elevated Installation >35' To 40', Add	*35.94*	
		For Elevated Installation >40', Add	*39.53*	
		For Work In Restricted Working Space, Add	*21.56*	
26 05 33 13-1127	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	315.59	41.18
		For Elevated Installation >10' To 15', Add	*8.24*	
		For Elevated Installation >15' To 20', Add	*16.47*	
		For Elevated Installation >20' To 25', Add	*20.59*	
		For Elevated Installation >25' To 30', Add	*28.82*	
		For Elevated Installation >30' To 35', Add	*32.94*	
		For Elevated Installation >35' To 40', Add	*41.18*	
		For Elevated Installation >40', Add	*45.29*	
		For Work In Restricted Working Space, Add	*24.71*	
26 05 33 13-1128	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	617.04	47.17
		For Elevated Installation >10' To 15', Add	*9.43*	
		For Elevated Installation >15' To 20', Add	*18.87*	
		For Elevated Installation >20' To 25', Add	*23.58*	
		For Elevated Installation >25' To 30', Add	*33.02*	
		For Elevated Installation >30' To 35', Add	*37.73*	
		For Elevated Installation >35' To 40', Add	*47.17*	
		For Elevated Installation >40', Add	*51.88*	
		For Work In Restricted Working Space, Add	*28.30*	
26 05 33 13-1129	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	648.16	54.65
		For Elevated Installation >10' To 15', Add	*10.93*	
		For Elevated Installation >15' To 20', Add	*21.86*	
		For Elevated Installation >20' To 25', Add	*27.33*	
		For Elevated Installation >25' To 30', Add	*38.26*	
		For Elevated Installation >30' To 35', Add	*43.72*	
		For Elevated Installation >35' To 40', Add	*54.66*	
		For Elevated Installation >40', Add	*60.12*	
		For Work In Restricted Working Space, Add	*32.79*	
26 05 33 13-1130	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	883.57	59.90
		For Elevated Installation >10' To 15', Add	*11.98*	
		For Elevated Installation >15' To 20', Add	*23.96*	
		For Elevated Installation >20' To 25', Add	*29.95*	
		For Elevated Installation >25' To 30', Add	*41.93*	
		For Elevated Installation >30' To 35', Add	*47.92*	
		For Elevated Installation >35' To 40', Add	*59.90*	
		For Elevated Installation >40', Add	*65.88*	
		For Work In Restricted Working Space, Add	*35.94*	
26 05 33 13-1131	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	943.76	71.88
		For Elevated Installation >10' To 15', Add	*14.38*	
		For Elevated Installation >15' To 20', Add	*28.75*	
		For Elevated Installation >20' To 25', Add	*35.94*	
		For Elevated Installation >25' To 30', Add	*50.31*	
		For Elevated Installation >30' To 35', Add	*57.50*	
		For Elevated Installation >35' To 40', Add	*71.88*	
		For Elevated Installation >40', Add	*79.06*	
		For Work In Restricted Working Space, Add	*43.13*	
26 05 33 13-1132	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	1,808.53	101.07
		For Elevated Installation >10' To 15', Add	*20.21*	
		For Elevated Installation >15' To 20', Add	*40.43*	
		For Elevated Installation >20' To 25', Add	*50.54*	
		For Elevated Installation >25' To 30', Add	*70.75*	
		For Elevated Installation >30' To 35', Add	*80.86*	
		For Elevated Installation >35' To 40', Add	*101.07*	
		For Elevated Installation >40', Add	*111.18*	
		For Work In Restricted Working Space, Add	*60.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1133	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	1,907.67	134.76
		For Elevated Installation >10' To 15', Add	*26.95*	
		For Elevated Installation >15' To 20', Add	*53.90*	
		For Elevated Installation >20' To 25', Add	*67.38*	
		For Elevated Installation >25' To 30', Add	*94.33*	
		For Elevated Installation >30' To 35', Add	*107.81*	
		For Elevated Installation >35' To 40', Add	*134.76*	
		For Elevated Installation >40', Add	*148.24*	
		For Work In Restricted Working Space, Add	*80.86*	
26 05 33 13-1134	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	2,789.97	168.45
		For Elevated Installation >10' To 15', Add	*33.69*	
		For Elevated Installation >15' To 20', Add	*67.38*	
		For Elevated Installation >20' To 25', Add	*84.23*	
		For Elevated Installation >25' To 30', Add	*117.92*	
		For Elevated Installation >30' To 35', Add	*134.76*	
		For Elevated Installation >35' To 40', Add	*168.45*	
		For Elevated Installation >40', Add	*185.30*	
		For Work In Restricted Working Space, Add	*101.07*	
26 05 33 13-1135	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	3,161.54	205.13
		For Elevated Installation >10' To 15', Add	*41.03*	
		For Elevated Installation >15' To 20', Add	*82.05*	
		For Elevated Installation >20' To 25', Add	*102.57*	
		For Elevated Installation >25' To 30', Add	*143.59*	
		For Elevated Installation >30' To 35', Add	*164.11*	
		For Elevated Installation >35' To 40', Add	*205.14*	
		For Elevated Installation >40', Add	*225.65*	
		For Work In Restricted Working Space, Add	*123.08*	

26 05 33 13-1136 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbows *(26 05 33 13-0848)*

26 05 33 13-1137	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow	107.06	18.72
		For Elevated Installation >10' To 15', Add	*3.74*	
		For Elevated Installation >15' To 20', Add	*7.49*	
		For Elevated Installation >20' To 25', Add	*9.36*	
		For Elevated Installation >25' To 30', Add	*13.10*	
		For Elevated Installation >30' To 35', Add	*14.97*	
		For Elevated Installation >35' To 40', Add	*18.72*	
		For Elevated Installation >40', Add	*20.59*	
		For Work In Restricted Working Space, Add	*11.23*	
26 05 33 13-1138	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow	124.81	23.21
		For Elevated Installation >10' To 15', Add	*4.64*	
		For Elevated Installation >15' To 20', Add	*9.28*	
		For Elevated Installation >20' To 25', Add	*11.60*	
		For Elevated Installation >25' To 30', Add	*16.24*	
		For Elevated Installation >30' To 35', Add	*18.56*	
		For Elevated Installation >35' To 40', Add	*23.21*	
		For Elevated Installation >40', Add	*25.53*	
		For Work In Restricted Working Space, Add	*13.92*	
26 05 33 13-1139	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow	148.82	28.45
		For Elevated Installation >10' To 15', Add	*5.69*	
		For Elevated Installation >15' To 20', Add	*11.38*	
		For Elevated Installation >20' To 25', Add	*14.23*	
		For Elevated Installation >25' To 30', Add	*19.92*	
		For Elevated Installation >30' To 35', Add	*22.76*	
		For Elevated Installation >35' To 40', Add	*28.45*	
		For Elevated Installation >40', Add	*31.30*	
		For Work In Restricted Working Space, Add	*17.07*	
26 05 33 13-1140	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow	175.57	32.94
		For Elevated Installation >10' To 15', Add	*6.59*	
		For Elevated Installation >15' To 20', Add	*13.18*	
		For Elevated Installation >20' To 25', Add	*16.47*	
		For Elevated Installation >25' To 30', Add	*23.06*	
		For Elevated Installation >30' To 35', Add	*26.35*	
		For Elevated Installation >35' To 40', Add	*32.94*	
		For Elevated Installation >40', Add	*36.23*	
		For Work In Restricted Working Space, Add	*19.76*	

26 05 33 13-1141 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbows *(26 05 33 13-0848)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1142	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	84.84	18.72
		For Elevated Installation >10' To 15', Add	*3.74*	
		For Elevated Installation >15' To 20', Add	*7.49*	
		For Elevated Installation >20' To 25', Add	*9.36*	
		For Elevated Installation >25' To 30', Add	*13.10*	
		For Elevated Installation >30' To 35', Add	*14.97*	
		For Elevated Installation >35' To 40', Add	*18.72*	
		For Elevated Installation >40', Add	*20.59*	
		For Work In Restricted Working Space, Add	*11.23*	
26 05 33 13-1143	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	98.14	23.21
		For Elevated Installation >10' To 15', Add	*4.64*	
		For Elevated Installation >15' To 20', Add	*9.28*	
		For Elevated Installation >20' To 25', Add	*11.60*	
		For Elevated Installation >25' To 30', Add	*16.24*	
		For Elevated Installation >30' To 35', Add	*18.56*	
		For Elevated Installation >35' To 40', Add	*23.21*	
		For Elevated Installation >40', Add	*25.53*	
		For Work In Restricted Working Space, Add	*13.92*	
26 05 33 13-1144	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	135.83	28.45
		For Elevated Installation >10' To 15', Add	*5.69*	
		For Elevated Installation >15' To 20', Add	*11.38*	
		For Elevated Installation >20' To 25', Add	*14.23*	
		For Elevated Installation >25' To 30', Add	*19.92*	
		For Elevated Installation >30' To 35', Add	*22.76*	
		For Elevated Installation >35' To 40', Add	*28.45*	
		For Elevated Installation >40', Add	*31.30*	
		For Work In Restricted Working Space, Add	*17.07*	
26 05 33 13-1145	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	175.67	32.94
		For Elevated Installation >10' To 15', Add	*6.59*	
		For Elevated Installation >15' To 20', Add	*13.18*	
		For Elevated Installation >20' To 25', Add	*16.47*	
		For Elevated Installation >25' To 30', Add	*23.06*	
		For Elevated Installation >30' To 35', Add	*26.35*	
		For Elevated Installation >35' To 40', Add	*32.94*	
		For Elevated Installation >40', Add	*36.23*	
		For Work In Restricted Working Space, Add	*19.76*	
26 05 33 13-1146	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	213.71	37.43
		For Elevated Installation >10' To 15', Add	*7.49*	
		For Elevated Installation >15' To 20', Add	*14.97*	
		For Elevated Installation >20' To 25', Add	*18.72*	
		For Elevated Installation >25' To 30', Add	*26.20*	
		For Elevated Installation >30' To 35', Add	*29.94*	
		For Elevated Installation >35' To 40', Add	*37.43*	
		For Elevated Installation >40', Add	*41.17*	
		For Work In Restricted Working Space, Add	*22.46*	
26 05 33 13-1147	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	305.60	41.18
		For Elevated Installation >10' To 15', Add	*8.24*	
		For Elevated Installation >15' To 20', Add	*16.47*	
		For Elevated Installation >20' To 25', Add	*20.59*	
		For Elevated Installation >25' To 30', Add	*28.82*	
		For Elevated Installation >30' To 35', Add	*32.94*	
		For Elevated Installation >35' To 40', Add	*41.18*	
		For Elevated Installation >40', Add	*45.29*	
		For Work In Restricted Working Space, Add	*24.71*	
26 05 33 13-1148	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	417.01	51.66
		For Elevated Installation >10' To 15', Add	*10.33*	
		For Elevated Installation >15' To 20', Add	*20.66*	
		For Elevated Installation >20' To 25', Add	*25.83*	
		For Elevated Installation >25' To 30', Add	*36.16*	
		For Elevated Installation >30' To 35', Add	*41.32*	
		For Elevated Installation >35' To 40', Add	*51.66*	
		For Elevated Installation >40', Add	*56.82*	
		For Work In Restricted Working Space, Add	*30.99*	

26 05 33 13-1149 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbows *(26 05 33 13-0848)*

26 05 33 13-1150	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow	107.11	18.72
		For Elevated Installation >10' To 15', Add	*3.74*	
		For Elevated Installation >15' To 20', Add	*7.49*	
		For Elevated Installation >20' To 25', Add	*9.36*	
		For Elevated Installation >25' To 30', Add	*13.10*	
		For Elevated Installation >30' To 35', Add	*14.97*	
		For Elevated Installation >35' To 40', Add	*18.72*	
		For Elevated Installation >40', Add	*20.59*	
		For Work In Restricted Working Space, Add	*11.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1151	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow	127.89	23.21
		For Elevated Installation >10' To 15', Add	*4.64*	
		For Elevated Installation >15' To 20', Add	*9.28*	
		For Elevated Installation >20' To 25', Add	*11.60*	
		For Elevated Installation >25' To 30', Add	*16.24*	
		For Elevated Installation >30' To 35', Add	*18.56*	
		For Elevated Installation >35' To 40', Add	*23.21*	
		For Elevated Installation >40', Add	*25.53*	
		For Work In Restricted Working Space, Add	*13.92*	
26 05 33 13-1152	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow	148.85	28.45
		For Elevated Installation >10' To 15', Add	*5.69*	
		For Elevated Installation >15' To 20', Add	*11.38*	
		For Elevated Installation >20' To 25', Add	*14.23*	
		For Elevated Installation >25' To 30', Add	*19.92*	
		For Elevated Installation >30' To 35', Add	*22.76*	
		For Elevated Installation >35' To 40', Add	*28.45*	
		For Elevated Installation >40', Add	*31.30*	
		For Work In Restricted Working Space, Add	*17.07*	
26 05 33 13-1153	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow	175.62	32.94
		For Elevated Installation >10' To 15', Add	*6.59*	
		For Elevated Installation >15' To 20', Add	*13.18*	
		For Elevated Installation >20' To 25', Add	*16.47*	
		For Elevated Installation >25' To 30', Add	*23.06*	
		For Elevated Installation >30' To 35', Add	*26.35*	
		For Elevated Installation >35' To 40', Add	*32.94*	
		For Elevated Installation >40', Add	*36.23*	
		For Work In Restricted Working Space, Add	*19.76*	

26 05 33 13-1154 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbows *(26 05 33 13-0848)*

26 05 33 13-1155	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	84.92	18.72
		For Elevated Installation >10' To 15', Add	*3.74*	
		For Elevated Installation >15' To 20', Add	*7.49*	
		For Elevated Installation >20' To 25', Add	*9.36*	
		For Elevated Installation >25' To 30', Add	*13.10*	
		For Elevated Installation >30' To 35', Add	*14.97*	
		For Elevated Installation >35' To 40', Add	*18.72*	
		For Elevated Installation >40', Add	*20.59*	
		For Work In Restricted Working Space, Add	*11.23*	
26 05 33 13-1156	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	98.14	23.21
		For Elevated Installation >10' To 15', Add	*4.64*	
		For Elevated Installation >15' To 20', Add	*9.28*	
		For Elevated Installation >20' To 25', Add	*11.60*	
		For Elevated Installation >25' To 30', Add	*16.24*	
		For Elevated Installation >30' To 35', Add	*18.56*	
		For Elevated Installation >35' To 40', Add	*23.21*	
		For Elevated Installation >40', Add	*25.53*	
		For Work In Restricted Working Space, Add	*13.92*	
26 05 33 13-1157	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	126.63	28.45
		For Elevated Installation >10' To 15', Add	*5.69*	
		For Elevated Installation >15' To 20', Add	*11.38*	
		For Elevated Installation >20' To 25', Add	*14.23*	
		For Elevated Installation >25' To 30', Add	*19.92*	
		For Elevated Installation >30' To 35', Add	*22.76*	
		For Elevated Installation >35' To 40', Add	*28.45*	
		For Elevated Installation >40', Add	*31.30*	
		For Work In Restricted Working Space, Add	*17.07*	
26 05 33 13-1158	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	157.80	32.94
		For Elevated Installation >10' To 15', Add	*6.59*	
		For Elevated Installation >15' To 20', Add	*13.18*	
		For Elevated Installation >20' To 25', Add	*16.47*	
		For Elevated Installation >25' To 30', Add	*23.06*	
		For Elevated Installation >30' To 35', Add	*26.35*	
		For Elevated Installation >35' To 40', Add	*32.94*	
		For Elevated Installation >40', Add	*36.23*	
		For Work In Restricted Working Space, Add	*19.76*	
26 05 33 13-1159	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	184.60	37.43
		For Elevated Installation >10' To 15', Add	*7.49*	
		For Elevated Installation >15' To 20', Add	*14.97*	
		For Elevated Installation >20' To 25', Add	*18.72*	
		For Elevated Installation >25' To 30', Add	*26.20*	
		For Elevated Installation >30' To 35', Add	*29.94*	
		For Elevated Installation >35' To 40', Add	*37.43*	
		For Elevated Installation >40', Add	*41.17*	
		For Work In Restricted Working Space, Add	*22.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1160	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	212.38	41.18
		For Elevated Installation >10' To 15', Add	*8.24*	
		For Elevated Installation >15' To 20', Add	*16.47*	
		For Elevated Installation >20' To 25', Add	*20.59*	
		For Elevated Installation >25' To 30', Add	*28.82*	
		For Elevated Installation >30' To 35', Add	*32.94*	
		For Elevated Installation >35' To 40', Add	*41.18*	
		For Elevated Installation >40', Add	*45.29*	
		For Work In Restricted Working Space, Add	*24.71*	
26 05 33 13-1161	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	393.24	51.66
		For Elevated Installation >10' To 15', Add	*10.33*	
		For Elevated Installation >15' To 20', Add	*20.66*	
		For Elevated Installation >20' To 25', Add	*25.83*	
		For Elevated Installation >25' To 30', Add	*36.16*	
		For Elevated Installation >30' To 35', Add	*41.32*	
		For Elevated Installation >35' To 40', Add	*51.66*	
		For Elevated Installation >40', Add	*56.82*	
		For Work In Restricted Working Space, Add	*30.99*	
26 05 33 13-1162	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	452.21	70.37
		For Elevated Installation >10' To 15', Add	*14.08*	
		For Elevated Installation >15' To 20', Add	*28.15*	
		For Elevated Installation >20' To 25', Add	*35.19*	
		For Elevated Installation >25' To 30', Add	*49.26*	
		For Elevated Installation >30' To 35', Add	*56.30*	
		For Elevated Installation >35' To 40', Add	*70.38*	
		For Elevated Installation >40', Add	*77.41*	
		For Work In Restricted Working Space, Add	*42.23*	
26 05 33 13-1163	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	488.36	79.35
		For Elevated Installation >10' To 15', Add	*15.87*	
		For Elevated Installation >15' To 20', Add	*31.74*	
		For Elevated Installation >20' To 25', Add	*39.68*	
		For Elevated Installation >25' To 30', Add	*55.55*	
		For Elevated Installation >30' To 35', Add	*63.49*	
		For Elevated Installation >35' To 40', Add	*79.36*	
		For Elevated Installation >40', Add	*87.30*	
		For Work In Restricted Working Space, Add	*47.62*	
26 05 33 13-1164	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	603.23	103.31
		For Elevated Installation >10' To 15', Add	*20.66*	
		For Elevated Installation >15' To 20', Add	*41.33*	
		For Elevated Installation >20' To 25', Add	*51.66*	
		For Elevated Installation >25' To 30', Add	*72.32*	
		For Elevated Installation >30' To 35', Add	*82.65*	
		For Elevated Installation >35' To 40', Add	*103.32*	
		For Elevated Installation >40', Add	*113.65*	
		For Work In Restricted Working Space, Add	*61.99*	

26 05 33 13-1165 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbows *(26 05 33 13-0848)*

26 05 33 13-1166	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	177.33	35.94
		For Elevated Installation >10' To 15', Add	*7.19*	
		For Elevated Installation >15' To 20', Add	*14.38*	
		For Elevated Installation >20' To 25', Add	*17.97*	
		For Elevated Installation >25' To 30', Add	*25.16*	
		For Elevated Installation >30' To 35', Add	*28.75*	
		For Elevated Installation >35' To 40', Add	*35.94*	
		For Elevated Installation >40', Add	*39.53*	
		For Work In Restricted Working Space, Add	*21.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.56*	
26 05 33 13-1167	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	191.94	41.18
		For Elevated Installation >10' To 15', Add	*8.24*	
		For Elevated Installation >15' To 20', Add	*16.47*	
		For Elevated Installation >20' To 25', Add	*20.59*	
		For Elevated Installation >25' To 30', Add	*28.82*	
		For Elevated Installation >30' To 35', Add	*32.94*	
		For Elevated Installation >35' To 40', Add	*41.18*	
		For Elevated Installation >40', Add	*45.29*	
		For Work In Restricted Working Space, Add	*24.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.71*	
26 05 33 13-1168	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	210.40	47.17
		For Elevated Installation >10' To 15', Add	*9.43*	
		For Elevated Installation >15' To 20', Add	*18.87*	
		For Elevated Installation >20' To 25', Add	*23.58*	
		For Elevated Installation >25' To 30', Add	*33.02*	
		For Elevated Installation >30' To 35', Add	*37.73*	
		For Elevated Installation >35' To 40', Add	*47.17*	
		For Elevated Installation >40', Add	*51.88*	
		For Work In Restricted Working Space, Add	*28.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1169	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	281.41	54.65
		For Elevated Installation >10' To 15', Add	*10.93*	
		For Elevated Installation >15' To 20', Add	*21.86*	
		For Elevated Installation >20' To 25', Add	*27.33*	
		For Elevated Installation >25' To 30', Add	*38.26*	
		For Elevated Installation >30' To 35', Add	*43.72*	
		For Elevated Installation >35' To 40', Add	*54.66*	
		For Elevated Installation >40', Add	*60.12*	
		For Work In Restricted Working Space, Add	*32.79*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.79*	
26 05 33 13-1170	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	356.74	59.90
		For Elevated Installation >10' To 15', Add	*11.98*	
		For Elevated Installation >15' To 20', Add	*23.96*	
		For Elevated Installation >20' To 25', Add	*29.95*	
		For Elevated Installation >25' To 30', Add	*41.93*	
		For Elevated Installation >30' To 35', Add	*47.92*	
		For Elevated Installation >35' To 40', Add	*59.90*	
		For Elevated Installation >40', Add	*65.88*	
		For Work In Restricted Working Space, Add	*35.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.94*	

26 05 33 13-1171 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Boxes With Cast Iron Cover

(26 05 33 13-0848)

26 05 33 13-1172	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	212.54	35.94
		For Elevated Installation >10' To 15', Add	*7.19*	
		For Elevated Installation >15' To 20', Add	*14.38*	
		For Elevated Installation >20' To 25', Add	*17.97*	
		For Elevated Installation >25' To 30', Add	*25.16*	
		For Elevated Installation >30' To 35', Add	*28.75*	
		For Elevated Installation >35' To 40', Add	*35.94*	
		For Elevated Installation >40', Add	*39.53*	
		For Work In Restricted Working Space, Add	*21.56*	
26 05 33 13-1173	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	229.31	41.18
		For Elevated Installation >10' To 15', Add	*8.24*	
		For Elevated Installation >15' To 20', Add	*16.47*	
		For Elevated Installation >20' To 25', Add	*20.59*	
		For Elevated Installation >25' To 30', Add	*28.82*	
		For Elevated Installation >30' To 35', Add	*32.94*	
		For Elevated Installation >35' To 40', Add	*41.18*	
		For Elevated Installation >40', Add	*45.29*	
		For Work In Restricted Working Space, Add	*24.71*	
26 05 33 13-1174	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	267.91	47.17
		For Elevated Installation >10' To 15', Add	*9.43*	
		For Elevated Installation >15' To 20', Add	*18.87*	
		For Elevated Installation >20' To 25', Add	*23.58*	
		For Elevated Installation >25' To 30', Add	*33.02*	
		For Elevated Installation >30' To 35', Add	*37.73*	
		For Elevated Installation >35' To 40', Add	*47.17*	
		For Elevated Installation >40', Add	*51.88*	
		For Work In Restricted Working Space, Add	*28.30*	
26 05 33 13-1175	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	381.22	54.65
		For Elevated Installation >10' To 15', Add	*10.93*	
		For Elevated Installation >15' To 20', Add	*21.86*	
		For Elevated Installation >20' To 25', Add	*27.33*	
		For Elevated Installation >25' To 30', Add	*38.26*	
		For Elevated Installation >30' To 35', Add	*43.72*	
		For Elevated Installation >35' To 40', Add	*54.66*	
		For Elevated Installation >40', Add	*60.12*	
		For Work In Restricted Working Space, Add	*32.79*	
26 05 33 13-1176	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	615.35	59.90
		For Elevated Installation >10' To 15', Add	*11.98*	
		For Elevated Installation >15' To 20', Add	*23.96*	
		For Elevated Installation >20' To 25', Add	*29.95*	
		For Elevated Installation >25' To 30', Add	*41.93*	
		For Elevated Installation >30' To 35', Add	*47.92*	
		For Elevated Installation >35' To 40', Add	*59.90*	
		For Elevated Installation >40', Add	*65.88*	
		For Work In Restricted Working Space, Add	*35.94*	
26 05 33 13-1177	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	665.88	71.88
		For Elevated Installation >10' To 15', Add	*14.38*	
		For Elevated Installation >15' To 20', Add	*28.75*	
		For Elevated Installation >20' To 25', Add	*35.94*	
		For Elevated Installation >25' To 30', Add	*50.31*	
		For Elevated Installation >30' To 35', Add	*57.50*	
		For Elevated Installation >35' To 40', Add	*71.88*	
		For Elevated Installation >40', Add	*79.06*	
		For Work In Restricted Working Space, Add	*43.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1178		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Boxes With Cast Iron Cover** *(26 05 33 13-0848)*		
26 05 33 13-1179	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	232.52	35.94
		For Elevated Installation >10' To 15', Add	*7.19*	
		For Elevated Installation >15' To 20', Add	*14.38*	
		For Elevated Installation >20' To 25', Add	*17.97*	
		For Elevated Installation >25' To 30', Add	*25.16*	
		For Elevated Installation >30' To 35', Add	*28.75*	
		For Elevated Installation >35' To 40', Add	*35.94*	
		For Elevated Installation >40', Add	*39.53*	
		For Work In Restricted Working Space, Add	*21.56*	
26 05 33 13-1180	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	262.64	41.18
		For Elevated Installation >10' To 15', Add	*8.24*	
		For Elevated Installation >15' To 20', Add	*16.47*	
		For Elevated Installation >20' To 25', Add	*20.59*	
		For Elevated Installation >25' To 30', Add	*28.82*	
		For Elevated Installation >30' To 35', Add	*32.94*	
		For Elevated Installation >35' To 40', Add	*41.18*	
		For Elevated Installation >40', Add	*45.29*	
		For Work In Restricted Working Space, Add	*24.71*	
26 05 33 13-1181	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	286.92	47.17
		For Elevated Installation >10' To 15', Add	*9.43*	
		For Elevated Installation >15' To 20', Add	*18.87*	
		For Elevated Installation >20' To 25', Add	*23.58*	
		For Elevated Installation >25' To 30', Add	*33.02*	
		For Elevated Installation >30' To 35', Add	*37.73*	
		For Elevated Installation >35' To 40', Add	*47.17*	
		For Elevated Installation >40', Add	*51.88*	
		For Work In Restricted Working Space, Add	*28.30*	
26 05 33 13-1182	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	400.54	54.65
		For Elevated Installation >10' To 15', Add	*10.93*	
		For Elevated Installation >15' To 20', Add	*21.86*	
		For Elevated Installation >20' To 25', Add	*27.33*	
		For Elevated Installation >25' To 30', Add	*38.26*	
		For Elevated Installation >30' To 35', Add	*43.72*	
		For Elevated Installation >35' To 40', Add	*54.66*	
		For Elevated Installation >40', Add	*60.12*	
		For Work In Restricted Working Space, Add	*32.79*	
26 05 33 13-1183	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	661.44	59.90
		For Elevated Installation >10' To 15', Add	*11.98*	
		For Elevated Installation >15' To 20', Add	*23.96*	
		For Elevated Installation >20' To 25', Add	*29.95*	
		For Elevated Installation >25' To 30', Add	*41.93*	
		For Elevated Installation >30' To 35', Add	*47.92*	
		For Elevated Installation >35' To 40', Add	*59.90*	
		For Elevated Installation >40', Add	*65.88*	
		For Work In Restricted Working Space, Add	*35.94*	
26 05 33 13-1184	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	708.18	71.88
		For Elevated Installation >10' To 15', Add	*14.38*	
		For Elevated Installation >15' To 20', Add	*28.75*	
		For Elevated Installation >20' To 25', Add	*35.94*	
		For Elevated Installation >25' To 30', Add	*50.31*	
		For Elevated Installation >30' To 35', Add	*57.50*	
		For Elevated Installation >35' To 40', Add	*71.88*	
		For Elevated Installation >40', Add	*79.06*	
		For Work In Restricted Working Space, Add	*43.13*	
26 05 33 13-1185		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Boxes With Cast Iron Cover** *(26 05 33 13-0848)*		
26 05 33 13-1186	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	232.67	35.94
		For Elevated Installation >10' To 15', Add	*7.19*	
		For Elevated Installation >15' To 20', Add	*14.38*	
		For Elevated Installation >20' To 25', Add	*17.97*	
		For Elevated Installation >25' To 30', Add	*25.16*	
		For Elevated Installation >30' To 35', Add	*28.75*	
		For Elevated Installation >35' To 40', Add	*35.94*	
		For Elevated Installation >40', Add	*39.53*	
		For Work In Restricted Working Space, Add	*21.56*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1187		EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	256.74	41.18
			For Elevated Installation >10' To 15', Add	*8.24*	
			For Elevated Installation >15' To 20', Add	*16.47*	
			For Elevated Installation >20' To 25', Add	*20.59*	
			For Elevated Installation >25' To 30', Add	*28.82*	
			For Elevated Installation >30' To 35', Add	*32.94*	
			For Elevated Installation >35' To 40', Add	*41.18*	
			For Elevated Installation >40', Add	*45.29*	
			For Work In Restricted Working Space, Add	*24.71*	
26 05 33 13-1188		EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	305.28	47.17
			For Elevated Installation >10' To 15', Add	*9.43*	
			For Elevated Installation >15' To 20', Add	*18.87*	
			For Elevated Installation >20' To 25', Add	*23.58*	
			For Elevated Installation >25' To 30', Add	*33.02*	
			For Elevated Installation >30' To 35', Add	*37.73*	
			For Elevated Installation >35' To 40', Add	*47.17*	
			For Elevated Installation >40', Add	*51.88*	
			For Work In Restricted Working Space, Add	*28.30*	
26 05 33 13-1189		EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	415.25	54.65
			For Elevated Installation >10' To 15', Add	*10.93*	
			For Elevated Installation >15' To 20', Add	*21.86*	
			For Elevated Installation >20' To 25', Add	*27.33*	
			For Elevated Installation >25' To 30', Add	*38.26*	
			For Elevated Installation >30' To 35', Add	*43.72*	
			For Elevated Installation >35' To 40', Add	*54.66*	
			For Elevated Installation >40', Add	*60.12*	
			For Work In Restricted Working Space, Add	*32.79*	
26 05 33 13-1190		EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	683.40	59.90
			For Elevated Installation >10' To 15', Add	*11.98*	
			For Elevated Installation >15' To 20', Add	*23.96*	
			For Elevated Installation >20' To 25', Add	*29.95*	
			For Elevated Installation >25' To 30', Add	*41.93*	
			For Elevated Installation >30' To 35', Add	*47.92*	
			For Elevated Installation >35' To 40', Add	*59.90*	
			For Elevated Installation >40', Add	*65.88*	
			For Work In Restricted Working Space, Add	*35.94*	
26 05 33 13-1191		EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	735.25	71.88
			For Elevated Installation >10' To 15', Add	*14.38*	
			For Elevated Installation >15' To 20', Add	*28.75*	
			For Elevated Installation >20' To 25', Add	*35.94*	
			For Elevated Installation >25' To 30', Add	*50.31*	
			For Elevated Installation >30' To 35', Add	*57.50*	
			For Elevated Installation >35' To 40', Add	*71.88*	
			For Elevated Installation >40', Add	*79.06*	
			For Work In Restricted Working Space, Add	*43.13*	

26 05 33 13-1192 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Boxes With Cast Iron Cover *(26 05 33 13-0848)*

26 05 33 13-1193		EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	287.99	35.94
			For Elevated Installation >10' To 15', Add	*7.19*	
			For Elevated Installation >15' To 20', Add	*14.38*	
			For Elevated Installation >20' To 25', Add	*17.97*	
			For Elevated Installation >25' To 30', Add	*25.16*	
			For Elevated Installation >30' To 35', Add	*28.75*	
			For Elevated Installation >35' To 40', Add	*35.94*	
			For Elevated Installation >40', Add	*39.53*	
			For Work In Restricted Working Space, Add	*21.56*	
26 05 33 13-1194		EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	318.23	41.18
			For Elevated Installation >10' To 15', Add	*8.24*	
			For Elevated Installation >15' To 20', Add	*16.47*	
			For Elevated Installation >20' To 25', Add	*20.59*	
			For Elevated Installation >25' To 30', Add	*28.82*	
			For Elevated Installation >30' To 35', Add	*32.94*	
			For Elevated Installation >35' To 40', Add	*41.18*	
			For Elevated Installation >40', Add	*45.29*	
			For Work In Restricted Working Space, Add	*24.71*	
26 05 33 13-1195		EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	345.26	47.17
			For Elevated Installation >10' To 15', Add	*9.43*	
			For Elevated Installation >15' To 20', Add	*18.87*	
			For Elevated Installation >20' To 25', Add	*23.58*	
			For Elevated Installation >25' To 30', Add	*33.02*	
			For Elevated Installation >30' To 35', Add	*37.73*	
			For Elevated Installation >35' To 40', Add	*47.17*	
			For Elevated Installation >40', Add	*51.88*	
			For Work In Restricted Working Space, Add	*28.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1196	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	862.31	54.65
		For Elevated Installation >10' To 15', Add	*10.93*	
		For Elevated Installation >15' To 20', Add	*21.86*	
		For Elevated Installation >20' To 25', Add	*27.33*	
		For Elevated Installation >25' To 30', Add	*38.26*	
		For Elevated Installation >30' To 35', Add	*43.72*	
		For Elevated Installation >35' To 40', Add	*54.66*	
		For Elevated Installation >40', Add	*60.12*	
		For Work In Restricted Working Space, Add	*32.79*	

26 05 33 13-1197 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Boxes *(26 05 33 13-0848)*

Note: Excludes cover.

26 05 33 13-1198	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	140.49	35.94
		For Elevated Installation >10' To 15', Add	*7.19*	
		For Elevated Installation >15' To 20', Add	*14.38*	
		For Elevated Installation >20' To 25', Add	*17.97*	
		For Elevated Installation >25' To 30', Add	*25.16*	
		For Elevated Installation >30' To 35', Add	*28.75*	
		For Elevated Installation >35' To 40', Add	*35.94*	
		For Elevated Installation >40', Add	*39.53*	
		For Work In Restricted Working Space, Add	*21.56*	
26 05 33 13-1199	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	154.67	41.18
		For Elevated Installation >10' To 15', Add	*8.24*	
		For Elevated Installation >15' To 20', Add	*16.47*	
		For Elevated Installation >20' To 25', Add	*20.59*	
		For Elevated Installation >25' To 30', Add	*28.82*	
		For Elevated Installation >30' To 35', Add	*32.94*	
		For Elevated Installation >35' To 40', Add	*41.18*	
		For Elevated Installation >40', Add	*45.29*	
		For Work In Restricted Working Space, Add	*24.71*	
26 05 33 13-1200	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	172.86	47.17
		For Elevated Installation >10' To 15', Add	*9.43*	
		For Elevated Installation >15' To 20', Add	*18.87*	
		For Elevated Installation >20' To 25', Add	*23.58*	
		For Elevated Installation >25' To 30', Add	*33.02*	
		For Elevated Installation >30' To 35', Add	*37.73*	
		For Elevated Installation >35' To 40', Add	*47.17*	
		For Elevated Installation >40', Add	*51.88*	
		For Work In Restricted Working Space, Add	*28.30*	
26 05 33 13-1201	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	155.49	35.94
		For Elevated Installation >10' To 15', Add	*7.19*	
		For Elevated Installation >15' To 20', Add	*14.38*	
		For Elevated Installation >20' To 25', Add	*17.97*	
		For Elevated Installation >25' To 30', Add	*25.16*	
		For Elevated Installation >30' To 35', Add	*28.75*	
		For Elevated Installation >35' To 40', Add	*35.94*	
		For Elevated Installation >40', Add	*39.53*	
		For Work In Restricted Working Space, Add	*21.56*	
26 05 33 13-1202	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	167.79	41.18
		For Elevated Installation >10' To 15', Add	*8.24*	
		For Elevated Installation >15' To 20', Add	*16.47*	
		For Elevated Installation >20' To 25', Add	*20.59*	
		For Elevated Installation >25' To 30', Add	*28.82*	
		For Elevated Installation >30' To 35', Add	*32.94*	
		For Elevated Installation >35' To 40', Add	*41.18*	
		For Elevated Installation >40', Add	*45.29*	
		For Work In Restricted Working Space, Add	*24.71*	
26 05 33 13-1203	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	191.08	47.17
		For Elevated Installation >10' To 15', Add	*9.43*	
		For Elevated Installation >15' To 20', Add	*18.87*	
		For Elevated Installation >20' To 25', Add	*23.58*	
		For Elevated Installation >25' To 30', Add	*33.02*	
		For Elevated Installation >30' To 35', Add	*37.73*	
		For Elevated Installation >35' To 40', Add	*47.17*	
		For Elevated Installation >40', Add	*51.88*	
		For Work In Restricted Working Space, Add	*28.30*	

26 05 33 13-1204 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Boxes *(26 05 33 13-0848)*

Note: Excludes cover.

26 05 33 13-1205	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	147.58	35.94
		For Elevated Installation >10' To 15', Add	*7.19*	
		For Elevated Installation >15' To 20', Add	*14.38*	
		For Elevated Installation >20' To 25', Add	*17.97*	
		For Elevated Installation >25' To 30', Add	*25.16*	
		For Elevated Installation >30' To 35', Add	*28.75*	
		For Elevated Installation >35' To 40', Add	*35.94*	
		For Elevated Installation >40', Add	*39.53*	
		For Work In Restricted Working Space, Add	*21.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1206	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	162.66	41.18
		For Elevated Installation >10' To 15', Add	*8.24*	
		For Elevated Installation >15' To 20', Add	*16.47*	
		For Elevated Installation >20' To 25', Add	*20.59*	
		For Elevated Installation >25' To 30', Add	*28.82*	
		For Elevated Installation >30' To 35', Add	*32.94*	
		For Elevated Installation >35' To 40', Add	*41.18*	
		For Elevated Installation >40', Add	*45.29*	
		For Work In Restricted Working Space, Add	*24.71*	
26 05 33 13-1207	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	178.37	47.17
		For Elevated Installation >10' To 15', Add	*9.43*	
		For Elevated Installation >15' To 20', Add	*18.87*	
		For Elevated Installation >20' To 25', Add	*23.58*	
		For Elevated Installation >25' To 30', Add	*33.02*	
		For Elevated Installation >30' To 35', Add	*37.73*	
		For Elevated Installation >35' To 40', Add	*47.17*	
		For Elevated Installation >40', Add	*51.88*	
		For Work In Restricted Working Space, Add	*28.30*	
26 05 33 13-1208	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	165.63	35.94
		For Elevated Installation >10' To 15', Add	*7.19*	
		For Elevated Installation >15' To 20', Add	*14.38*	
		For Elevated Installation >20' To 25', Add	*17.97*	
		For Elevated Installation >25' To 30', Add	*25.16*	
		For Elevated Installation >30' To 35', Add	*28.75*	
		For Elevated Installation >35' To 40', Add	*35.94*	
		For Elevated Installation >40', Add	*39.53*	
		For Work In Restricted Working Space, Add	*21.56*	
26 05 33 13-1209	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	180.88	41.18
		For Elevated Installation >10' To 15', Add	*8.24*	
		For Elevated Installation >15' To 20', Add	*16.47*	
		For Elevated Installation >20' To 25', Add	*20.59*	
		For Elevated Installation >25' To 30', Add	*28.82*	
		For Elevated Installation >30' To 35', Add	*32.94*	
		For Elevated Installation >35' To 40', Add	*41.18*	
		For Elevated Installation >40', Add	*45.29*	
		For Work In Restricted Working Space, Add	*24.71*	
26 05 33 13-1210	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	204.56	47.17
		For Elevated Installation >10' To 15', Add	*9.43*	
		For Elevated Installation >15' To 20', Add	*18.87*	
		For Elevated Installation >20' To 25', Add	*23.58*	
		For Elevated Installation >25' To 30', Add	*33.02*	
		For Elevated Installation >30' To 35', Add	*37.73*	
		For Elevated Installation >35' To 40', Add	*47.17*	
		For Elevated Installation >40', Add	*51.88*	
		For Work In Restricted Working Space, Add	*28.30*	

26 05 33 13-1211 Polyvinyl Chloride (PVC) Coated, Urethane Lined, FS And FD Series Covers *(26 05 33 13-0848)*

26 05 33 13-1212	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS23, FS And FD Series Cover	51.43	4.49
		For Elevated Installation >10' To 15', Add	*0.90*	
		For Elevated Installation >15' To 20', Add	*1.80*	
		For Elevated Installation >20' To 25', Add	*2.25*	
		For Elevated Installation >25' To 30', Add	*3.14*	
		For Elevated Installation >30' To 35', Add	*3.59*	
		For Elevated Installation >35' To 40', Add	*4.49*	
		For Elevated Installation >40', Add	*4.94*	
		For Work In Restricted Working Space, Add	*2.69*	
26 05 33 13-1213	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS21G, FS And FD Series Cover	69.87	5.24
		For Elevated Installation >10' To 15', Add	*1.05*	
		For Elevated Installation >15' To 20', Add	*2.10*	
		For Elevated Installation >20' To 25', Add	*2.62*	
		For Elevated Installation >25' To 30', Add	*3.67*	
		For Elevated Installation >30' To 35', Add	*4.20*	
		For Elevated Installation >35' To 40', Add	*5.25*	
		For Elevated Installation >40', Add	*5.77*	
		For Work In Restricted Working Space, Add	*3.15*	
26 05 33 13-1214	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS32G, FS And FD Series Cover	65.98	5.24
		For Elevated Installation >10' To 15', Add	*1.05*	
		For Elevated Installation >15' To 20', Add	*2.10*	
		For Elevated Installation >20' To 25', Add	*2.62*	
		For Elevated Installation >25' To 30', Add	*3.67*	
		For Elevated Installation >30' To 35', Add	*4.20*	
		For Elevated Installation >35' To 40', Add	*5.25*	
		For Elevated Installation >40', Add	*5.77*	
		For Work In Restricted Working Space, Add	*3.15*	
26 05 33 13-1215	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS100G, FS And FD Series Cover	58.71	5.24
		For Elevated Installation >10' To 15', Add	*1.05*	
		For Elevated Installation >15' To 20', Add	*2.10*	
		For Elevated Installation >20' To 25', Add	*2.62*	
		For Elevated Installation >25' To 30', Add	*3.67*	
		For Elevated Installation >30' To 35', Add	*4.20*	
		For Elevated Installation >35' To 40', Add	*5.25*	
		For Elevated Installation >40', Add	*5.77*	
		For Work In Restricted Working Space, Add	*3.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1216	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, WLRD1, FS And FD Series Cover	284.45	7.49
		For Elevated Installation >10' To 15', Add	*1.50*	
		For Elevated Installation >15' To 20', Add	*3.00*	
		For Elevated Installation >20' To 25', Add	*3.75*	
		For Elevated Installation >25' To 30', Add	*5.24*	
		For Elevated Installation >30' To 35', Add	*5.99*	
		For Elevated Installation >35' To 40', Add	*7.49*	
		For Elevated Installation >40', Add	*8.24*	
		For Work In Restricted Working Space, Add	*4.49*	
26 05 33 13-1217	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, WLRS1, FS And FD Series Cover	252.92	7.49
		For Elevated Installation >10' To 15', Add	*1.50*	
		For Elevated Installation >15' To 20', Add	*3.00*	
		For Elevated Installation >20' To 25', Add	*3.75*	
		For Elevated Installation >25' To 30', Add	*5.24*	
		For Elevated Installation >30' To 35', Add	*5.99*	
		For Elevated Installation >35' To 40', Add	*7.49*	
		For Elevated Installation >40', Add	*8.24*	
		For Work In Restricted Working Space, Add	*4.49*	

26 05 33 13-1218 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Mogul Conduit Bodies *(26 05 33 13-0848)*

Note: Includes covers.

26 05 33 13-1219	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	301.21	47.17
		For Elevated Installation >10' To 15', Add	*9.43*	
		For Elevated Installation >15' To 20', Add	*18.87*	
		For Elevated Installation >20' To 25', Add	*23.58*	
		For Elevated Installation >25' To 30', Add	*33.02*	
		For Elevated Installation >30' To 35', Add	*37.73*	
		For Elevated Installation >35' To 40', Add	*47.17*	
		For Elevated Installation >40', Add	*51.88*	
		For Work In Restricted Working Space, Add	*28.30*	
26 05 33 13-1220	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	338.51	54.65
		For Elevated Installation >10' To 15', Add	*10.93*	
		For Elevated Installation >15' To 20', Add	*21.86*	
		For Elevated Installation >20' To 25', Add	*27.33*	
		For Elevated Installation >25' To 30', Add	*38.26*	
		For Elevated Installation >30' To 35', Add	*43.72*	
		For Elevated Installation >35' To 40', Add	*54.66*	
		For Elevated Installation >40', Add	*60.12*	
		For Work In Restricted Working Space, Add	*32.79*	
26 05 33 13-1221	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	465.80	59.90
		For Elevated Installation >10' To 15', Add	*11.98*	
		For Elevated Installation >15' To 20', Add	*23.96*	
		For Elevated Installation >20' To 25', Add	*29.95*	
		For Elevated Installation >25' To 30', Add	*41.93*	
		For Elevated Installation >30' To 35', Add	*47.92*	
		For Elevated Installation >35' To 40', Add	*59.90*	
		For Elevated Installation >40', Add	*65.88*	
		For Work In Restricted Working Space, Add	*35.94*	
26 05 33 13-1222	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	555.09	71.88
		For Elevated Installation >10' To 15', Add	*14.38*	
		For Elevated Installation >15' To 20', Add	*28.75*	
		For Elevated Installation >20' To 25', Add	*35.94*	
		For Elevated Installation >25' To 30', Add	*50.31*	
		For Elevated Installation >30' To 35', Add	*57.50*	
		For Elevated Installation >35' To 40', Add	*71.88*	
		For Elevated Installation >40', Add	*79.06*	
		For Work In Restricted Working Space, Add	*43.13*	
26 05 33 13-1223	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	801.62	101.07
		For Elevated Installation >10' To 15', Add	*20.21*	
		For Elevated Installation >15' To 20', Add	*40.43*	
		For Elevated Installation >20' To 25', Add	*50.54*	
		For Elevated Installation >25' To 30', Add	*70.75*	
		For Elevated Installation >30' To 35', Add	*80.86*	
		For Elevated Installation >35' To 40', Add	*101.07*	
		For Elevated Installation >40', Add	*111.18*	
		For Work In Restricted Working Space, Add	*60.64*	
26 05 33 13-1224	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	1,012.23	134.76
		For Elevated Installation >10' To 15', Add	*26.95*	
		For Elevated Installation >15' To 20', Add	*53.90*	
		For Elevated Installation >20' To 25', Add	*67.38*	
		For Elevated Installation >25' To 30', Add	*94.33*	
		For Elevated Installation >30' To 35', Add	*107.81*	
		For Elevated Installation >35' To 40', Add	*134.76*	
		For Elevated Installation >40', Add	*148.24*	
		For Work In Restricted Working Space, Add	*80.86*	
26 05 33 13-1225	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	1,480.75	168.45
		For Elevated Installation >10' To 15', Add	*33.69*	
		For Elevated Installation >15' To 20', Add	*67.38*	
		For Elevated Installation >20' To 25', Add	*84.23*	
		For Elevated Installation >25' To 30', Add	*117.92*	
		For Elevated Installation >30' To 35', Add	*134.76*	
		For Elevated Installation >35' To 40', Add	*168.45*	
		For Elevated Installation >40', Add	*185.30*	
		For Work In Restricted Working Space, Add	*101.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1226	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	1,836.94	205.13
		For Elevated Installation >10' To 15', Add	*41.03*	
		For Elevated Installation >15' To 20', Add	*82.05*	
		For Elevated Installation >20' To 25', Add	*102.57*	
		For Elevated Installation >25' To 30', Add	*143.59*	
		For Elevated Installation >30' To 35', Add	*164.11*	
		For Elevated Installation >35' To 40', Add	*205.14*	
		For Elevated Installation >40', Add	*225.65*	
		For Work In Restricted Working Space, Add	*123.08*	
26 05 33 13-1227	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	301.21	47.17
		For Elevated Installation >10' To 15', Add	*9.43*	
		For Elevated Installation >15' To 20', Add	*18.87*	
		For Elevated Installation >20' To 25', Add	*23.58*	
		For Elevated Installation >25' To 30', Add	*33.02*	
		For Elevated Installation >30' To 35', Add	*37.73*	
		For Elevated Installation >35' To 40', Add	*47.17*	
		For Elevated Installation >40', Add	*51.88*	
		For Work In Restricted Working Space, Add	*28.30*	
26 05 33 13-1228	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	338.51	54.65
		For Elevated Installation >10' To 15', Add	*10.93*	
		For Elevated Installation >15' To 20', Add	*21.86*	
		For Elevated Installation >20' To 25', Add	*27.33*	
		For Elevated Installation >25' To 30', Add	*38.26*	
		For Elevated Installation >30' To 35', Add	*43.72*	
		For Elevated Installation >35' To 40', Add	*54.66*	
		For Elevated Installation >40', Add	*60.12*	
		For Work In Restricted Working Space, Add	*32.79*	
26 05 33 13-1229	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	464.53	59.90
		For Elevated Installation >10' To 15', Add	*11.98*	
		For Elevated Installation >15' To 20', Add	*23.96*	
		For Elevated Installation >20' To 25', Add	*29.95*	
		For Elevated Installation >25' To 30', Add	*41.93*	
		For Elevated Installation >30' To 35', Add	*47.92*	
		For Elevated Installation >35' To 40', Add	*59.90*	
		For Elevated Installation >40', Add	*65.88*	
		For Work In Restricted Working Space, Add	*35.94*	
26 05 33 13-1230	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	542.25	71.88
		For Elevated Installation >10' To 15', Add	*14.38*	
		For Elevated Installation >15' To 20', Add	*28.75*	
		For Elevated Installation >20' To 25', Add	*35.94*	
		For Elevated Installation >25' To 30', Add	*50.31*	
		For Elevated Installation >30' To 35', Add	*57.50*	
		For Elevated Installation >35' To 40', Add	*71.88*	
		For Elevated Installation >40', Add	*79.06*	
		For Work In Restricted Working Space, Add	*43.13*	
26 05 33 13-1231	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	813.44	101.07
		For Elevated Installation >10' To 15', Add	*20.21*	
		For Elevated Installation >15' To 20', Add	*40.43*	
		For Elevated Installation >20' To 25', Add	*50.54*	
		For Elevated Installation >25' To 30', Add	*70.75*	
		For Elevated Installation >30' To 35', Add	*80.86*	
		For Elevated Installation >35' To 40', Add	*101.07*	
		For Elevated Installation >40', Add	*111.18*	
		For Work In Restricted Working Space, Add	*60.64*	
26 05 33 13-1232	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	1,065.26	134.76
		For Elevated Installation >10' To 15', Add	*26.95*	
		For Elevated Installation >15' To 20', Add	*53.90*	
		For Elevated Installation >20' To 25', Add	*67.38*	
		For Elevated Installation >25' To 30', Add	*94.33*	
		For Elevated Installation >30' To 35', Add	*107.81*	
		For Elevated Installation >35' To 40', Add	*134.76*	
		For Elevated Installation >40', Add	*148.24*	
		For Work In Restricted Working Space, Add	*80.86*	
26 05 33 13-1233	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	1,544.77	168.45
		For Elevated Installation >10' To 15', Add	*33.69*	
		For Elevated Installation >15' To 20', Add	*67.38*	
		For Elevated Installation >20' To 25', Add	*84.23*	
		For Elevated Installation >25' To 30', Add	*117.92*	
		For Elevated Installation >30' To 35', Add	*134.76*	
		For Elevated Installation >35' To 40', Add	*168.45*	
		For Elevated Installation >40', Add	*185.30*	
		For Work In Restricted Working Space, Add	*101.07*	
26 05 33 13-1234	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	1,876.80	205.13
		For Elevated Installation >10' To 15', Add	*41.03*	
		For Elevated Installation >15' To 20', Add	*82.05*	
		For Elevated Installation >20' To 25', Add	*102.57*	
		For Elevated Installation >25' To 30', Add	*143.59*	
		For Elevated Installation >30' To 35', Add	*164.11*	
		For Elevated Installation >35' To 40', Add	*205.14*	
		For Elevated Installation >40', Add	*225.65*	
		For Work In Restricted Working Space, Add	*123.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1235	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	301.21	47.17
		For Elevated Installation >10' To 15', Add	*9.43*	
		For Elevated Installation >15' To 20', Add	*18.87*	
		For Elevated Installation >20' To 25', Add	*23.58*	
		For Elevated Installation >25' To 30', Add	*33.02*	
		For Elevated Installation >30' To 35', Add	*37.73*	
		For Elevated Installation >35' To 40', Add	*47.17*	
		For Elevated Installation >40', Add	*51.88*	
		For Work In Restricted Working Space, Add	*28.30*	
26 05 33 13-1236	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	338.51	54.65
		For Elevated Installation >10' To 15', Add	*10.93*	
		For Elevated Installation >15' To 20', Add	*21.86*	
		For Elevated Installation >20' To 25', Add	*27.33*	
		For Elevated Installation >25' To 30', Add	*38.26*	
		For Elevated Installation >30' To 35', Add	*43.72*	
		For Elevated Installation >35' To 40', Add	*54.66*	
		For Elevated Installation >40', Add	*60.12*	
		For Work In Restricted Working Space, Add	*32.79*	
26 05 33 13-1237	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	464.53	59.90
		For Elevated Installation >10' To 15', Add	*11.98*	
		For Elevated Installation >15' To 20', Add	*23.96*	
		For Elevated Installation >20' To 25', Add	*29.95*	
		For Elevated Installation >25' To 30', Add	*41.93*	
		For Elevated Installation >30' To 35', Add	*47.92*	
		For Elevated Installation >35' To 40', Add	*59.90*	
		For Elevated Installation >40', Add	*65.88*	
		For Work In Restricted Working Space, Add	*35.94*	
26 05 33 13-1238	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	542.25	71.88
		For Elevated Installation >10' To 15', Add	*14.38*	
		For Elevated Installation >15' To 20', Add	*28.75*	
		For Elevated Installation >20' To 25', Add	*35.94*	
		For Elevated Installation >25' To 30', Add	*50.31*	
		For Elevated Installation >30' To 35', Add	*57.50*	
		For Elevated Installation >35' To 40', Add	*71.88*	
		For Elevated Installation >40', Add	*79.06*	
		For Work In Restricted Working Space, Add	*43.13*	
26 05 33 13-1239	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	813.44	101.07
		For Elevated Installation >10' To 15', Add	*20.21*	
		For Elevated Installation >15' To 20', Add	*40.43*	
		For Elevated Installation >20' To 25', Add	*50.54*	
		For Elevated Installation >25' To 30', Add	*70.75*	
		For Elevated Installation >30' To 35', Add	*80.86*	
		For Elevated Installation >35' To 40', Add	*101.07*	
		For Elevated Installation >40', Add	*111.18*	
		For Work In Restricted Working Space, Add	*60.64*	
26 05 33 13-1240	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	1,065.26	134.76
		For Elevated Installation >10' To 15', Add	*26.95*	
		For Elevated Installation >15' To 20', Add	*53.90*	
		For Elevated Installation >20' To 25', Add	*67.38*	
		For Elevated Installation >25' To 30', Add	*94.33*	
		For Elevated Installation >30' To 35', Add	*107.81*	
		For Elevated Installation >35' To 40', Add	*134.76*	
		For Elevated Installation >40', Add	*148.24*	
		For Work In Restricted Working Space, Add	*80.86*	
26 05 33 13-1241	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	1,544.77	168.45
		For Elevated Installation >10' To 15', Add	*33.69*	
		For Elevated Installation >15' To 20', Add	*67.38*	
		For Elevated Installation >20' To 25', Add	*84.23*	
		For Elevated Installation >25' To 30', Add	*117.92*	
		For Elevated Installation >30' To 35', Add	*134.76*	
		For Elevated Installation >35' To 40', Add	*168.45*	
		For Elevated Installation >40', Add	*185.30*	
		For Work In Restricted Working Space, Add	*101.07*	
26 05 33 13-1242	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	1,876.80	205.13
		For Elevated Installation >10' To 15', Add	*41.03*	
		For Elevated Installation >15' To 20', Add	*82.05*	
		For Elevated Installation >20' To 25', Add	*102.57*	
		For Elevated Installation >25' To 30', Add	*143.59*	
		For Elevated Installation >30' To 35', Add	*164.11*	
		For Elevated Installation >35' To 40', Add	*205.14*	
		For Elevated Installation >40', Add	*225.65*	
		For Work In Restricted Working Space, Add	*123.08*	
26 05 33 13-1243	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	301.21	47.17
		For Elevated Installation >10' To 15', Add	*9.43*	
		For Elevated Installation >15' To 20', Add	*18.87*	
		For Elevated Installation >20' To 25', Add	*23.58*	
		For Elevated Installation >25' To 30', Add	*33.02*	
		For Elevated Installation >30' To 35', Add	*37.73*	
		For Elevated Installation >35' To 40', Add	*47.17*	
		For Elevated Installation >40', Add	*51.88*	
		For Work In Restricted Working Space, Add	*28.30*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1244		EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	338.51	54.65
			For Elevated Installation >10' To 15', Add	*10.93*	
			For Elevated Installation >15' To 20', Add	*21.86*	
			For Elevated Installation >20' To 25', Add	*27.33*	
			For Elevated Installation >25' To 30', Add	*38.26*	
			For Elevated Installation >30' To 35', Add	*43.72*	
			For Elevated Installation >35' To 40', Add	*54.66*	
			For Elevated Installation >40', Add	*60.12*	
			For Work In Restricted Working Space, Add	*32.79*	
26 05 33 13-1245		EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	465.80	59.90
			For Elevated Installation >10' To 15', Add	*11.98*	
			For Elevated Installation >15' To 20', Add	*23.96*	
			For Elevated Installation >20' To 25', Add	*29.95*	
			For Elevated Installation >25' To 30', Add	*41.93*	
			For Elevated Installation >30' To 35', Add	*47.92*	
			For Elevated Installation >35' To 40', Add	*59.90*	
			For Elevated Installation >40', Add	*65.88*	
			For Work In Restricted Working Space, Add	*35.94*	
26 05 33 13-1246		EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	549.17	71.88
			For Elevated Installation >10' To 15', Add	*14.38*	
			For Elevated Installation >15' To 20', Add	*28.75*	
			For Elevated Installation >20' To 25', Add	*35.94*	
			For Elevated Installation >25' To 30', Add	*50.31*	
			For Elevated Installation >30' To 35', Add	*57.50*	
			For Elevated Installation >35' To 40', Add	*71.88*	
			For Elevated Installation >40', Add	*79.06*	
			For Work In Restricted Working Space, Add	*43.13*	
26 05 33 13-1247		EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	801.62	101.07
			For Elevated Installation >10' To 15', Add	*20.21*	
			For Elevated Installation >15' To 20', Add	*40.43*	
			For Elevated Installation >20' To 25', Add	*50.54*	
			For Elevated Installation >25' To 30', Add	*70.75*	
			For Elevated Installation >30' To 35', Add	*80.86*	
			For Elevated Installation >35' To 40', Add	*101.07*	
			For Elevated Installation >40', Add	*111.18*	
			For Work In Restricted Working Space, Add	*60.64*	
26 05 33 13-1248		EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	1,012.23	134.76
			For Elevated Installation >10' To 15', Add	*26.95*	
			For Elevated Installation >15' To 20', Add	*53.90*	
			For Elevated Installation >20' To 25', Add	*67.38*	
			For Elevated Installation >25' To 30', Add	*94.33*	
			For Elevated Installation >30' To 35', Add	*107.81*	
			For Elevated Installation >35' To 40', Add	*134.76*	
			For Elevated Installation >40', Add	*148.24*	
			For Work In Restricted Working Space, Add	*80.86*	
26 05 33 13-1249		EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	1,480.75	168.45
			For Elevated Installation >10' To 15', Add	*33.69*	
			For Elevated Installation >15' To 20', Add	*67.38*	
			For Elevated Installation >20' To 25', Add	*84.23*	
			For Elevated Installation >25' To 30', Add	*117.92*	
			For Elevated Installation >30' To 35', Add	*134.76*	
			For Elevated Installation >35' To 40', Add	*168.45*	
			For Elevated Installation >40', Add	*185.30*	
			For Work In Restricted Working Space, Add	*101.07*	
26 05 33 13-1250		EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	1,853.54	205.13
			For Elevated Installation >10' To 15', Add	*41.03*	
			For Elevated Installation >15' To 20', Add	*82.05*	
			For Elevated Installation >20' To 25', Add	*102.57*	
			For Elevated Installation >25' To 30', Add	*143.59*	
			For Elevated Installation >30' To 35', Add	*164.11*	
			For Elevated Installation >35' To 40', Add	*205.14*	
			For Elevated Installation >40', Add	*225.65*	
			For Work In Restricted Working Space, Add	*123.08*	

26 05 33 13-1251 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Covers *(26 05 33 13-0848)*

26 05 33 13-1252		EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	148.25	6.74
			For Elevated Installation >10' To 15', Add	*1.35*	
			For Elevated Installation >15' To 20', Add	*2.69*	
			For Elevated Installation >20' To 25', Add	*3.37*	
			For Elevated Installation >25' To 30', Add	*4.71*	
			For Elevated Installation >30' To 35', Add	*5.39*	
			For Elevated Installation >35' To 40', Add	*6.74*	
			For Elevated Installation >40', Add	*7.41*	
			For Work In Restricted Working Space, Add	*4.04*	
26 05 33 13-1253		EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	149.76	7.49
			For Elevated Installation >10' To 15', Add	*1.50*	
			For Elevated Installation >15' To 20', Add	*3.00*	
			For Elevated Installation >20' To 25', Add	*3.75*	
			For Elevated Installation >25' To 30', Add	*5.24*	
			For Elevated Installation >30' To 35', Add	*5.99*	
			For Elevated Installation >35' To 40', Add	*7.49*	
			For Elevated Installation >40', Add	*8.24*	
			For Work In Restricted Working Space, Add	*4.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1254	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	211.70	10.49
		For Elevated Installation >10' To 15', Add	*2.10*	
		For Elevated Installation >15' To 20', Add	*4.19*	
		For Elevated Installation >20' To 25', Add	*5.24*	
		For Elevated Installation >25' To 30', Add	*7.34*	
		For Elevated Installation >30' To 35', Add	*8.38*	
		For Elevated Installation >35' To 40', Add	*10.48*	
		For Elevated Installation >40', Add	*11.53*	
		For Work In Restricted Working Space, Add	*6.29*	
26 05 33 13-1255	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	214.70	11.98
		For Elevated Installation >10' To 15', Add	*2.40*	
		For Elevated Installation >15' To 20', Add	*4.79*	
		For Elevated Installation >20' To 25', Add	*5.99*	
		For Elevated Installation >25' To 30', Add	*8.39*	
		For Elevated Installation >30' To 35', Add	*9.58*	
		For Elevated Installation >35' To 40', Add	*11.98*	
		For Elevated Installation >40', Add	*13.18*	
		For Work In Restricted Working Space, Add	*7.19*	
26 05 33 13-1256	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	374.56	14.22
		For Elevated Installation >10' To 15', Add	*2.85*	
		For Elevated Installation >15' To 20', Add	*5.69*	
		For Elevated Installation >20' To 25', Add	*7.11*	
		For Elevated Installation >25' To 30', Add	*9.96*	
		For Elevated Installation >30' To 35', Add	*11.38*	
		For Elevated Installation >35' To 40', Add	*14.23*	
		For Elevated Installation >40', Add	*15.65*	
		For Work In Restricted Working Space, Add	*8.54*	
26 05 33 13-1257	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	382.05	17.96
		For Elevated Installation >10' To 15', Add	*3.59*	
		For Elevated Installation >15' To 20', Add	*7.19*	
		For Elevated Installation >20' To 25', Add	*8.99*	
		For Elevated Installation >25' To 30', Add	*12.58*	
		For Elevated Installation >30' To 35', Add	*14.38*	
		For Elevated Installation >35' To 40', Add	*17.97*	
		For Elevated Installation >40', Add	*19.77*	
		For Work In Restricted Working Space, Add	*10.78*	
26 05 33 13-1258	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	574.81	20.21
		For Elevated Installation >10' To 15', Add	*4.04*	
		For Elevated Installation >15' To 20', Add	*8.09*	
		For Elevated Installation >20' To 25', Add	*10.11*	
		For Elevated Installation >25' To 30', Add	*14.15*	
		For Elevated Installation >30' To 35', Add	*16.17*	
		For Elevated Installation >35' To 40', Add	*20.22*	
		For Elevated Installation >40', Add	*22.24*	
		For Work In Restricted Working Space, Add	*12.13*	
26 05 33 13-1259	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	586.79	26.20
		For Elevated Installation >10' To 15', Add	*5.24*	
		For Elevated Installation >15' To 20', Add	*10.48*	
		For Elevated Installation >20' To 25', Add	*13.10*	
		For Elevated Installation >25' To 30', Add	*18.34*	
		For Elevated Installation >30' To 35', Add	*20.96*	
		For Elevated Installation >35' To 40', Add	*26.21*	
		For Elevated Installation >40', Add	*28.83*	
		For Work In Restricted Working Space, Add	*15.72*	

26 05 33 13-1260 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fittings *(26 05 33 13-0848)*

26 05 33 13-1261	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	255.95	18.72
		For Elevated Installation >10' To 15', Add	*3.74*	
		For Elevated Installation >15' To 20', Add	*7.49*	
		For Elevated Installation >20' To 25', Add	*9.36*	
		For Elevated Installation >25' To 30', Add	*13.10*	
		For Elevated Installation >30' To 35', Add	*14.97*	
		For Elevated Installation >35' To 40', Add	*18.72*	
		For Elevated Installation >40', Add	*20.59*	
		For Work In Restricted Working Space, Add	*11.23*	
26 05 33 13-1262	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	302.50	23.21
		For Elevated Installation >10' To 15', Add	*4.64*	
		For Elevated Installation >15' To 20', Add	*9.28*	
		For Elevated Installation >20' To 25', Add	*11.60*	
		For Elevated Installation >25' To 30', Add	*16.24*	
		For Elevated Installation >30' To 35', Add	*18.56*	
		For Elevated Installation >35' To 40', Add	*23.21*	
		For Elevated Installation >40', Add	*25.53*	
		For Work In Restricted Working Space, Add	*13.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1263	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	358.17	28.45
		For Elevated Installation >10' To 15', Add	*5.69*	
		For Elevated Installation >15' To 20', Add	*11.38*	
		For Elevated Installation >20' To 25', Add	*14.23*	
		For Elevated Installation >25' To 30', Add	*19.92*	
		For Elevated Installation >30' To 35', Add	*22.76*	
		For Elevated Installation >35' To 40', Add	*28.45*	
		For Elevated Installation >40', Add	*31.30*	
		For Work In Restricted Working Space, Add	*17.07*	
26 05 33 13-1264	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	441.05	32.94
		For Elevated Installation >10' To 15', Add	*6.59*	
		For Elevated Installation >15' To 20', Add	*13.18*	
		For Elevated Installation >20' To 25', Add	*16.47*	
		For Elevated Installation >25' To 30', Add	*23.06*	
		For Elevated Installation >30' To 35', Add	*26.35*	
		For Elevated Installation >35' To 40', Add	*32.94*	
		For Elevated Installation >40', Add	*36.23*	
		For Work In Restricted Working Space, Add	*19.76*	
26 05 33 13-1265	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	589.00	37.43
		For Elevated Installation >10' To 15', Add	*7.49*	
		For Elevated Installation >15' To 20', Add	*14.97*	
		For Elevated Installation >20' To 25', Add	*18.72*	
		For Elevated Installation >25' To 30', Add	*26.20*	
		For Elevated Installation >30' To 35', Add	*29.94*	
		For Elevated Installation >35' To 40', Add	*37.43*	
		For Elevated Installation >40', Add	*41.17*	
		For Work In Restricted Working Space, Add	*22.46*	
26 05 33 13-1266	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	814.56	41.18
		For Elevated Installation >10' To 15', Add	*8.24*	
		For Elevated Installation >15' To 20', Add	*16.47*	
		For Elevated Installation >20' To 25', Add	*20.59*	
		For Elevated Installation >25' To 30', Add	*28.82*	
		For Elevated Installation >30' To 35', Add	*32.94*	
		For Elevated Installation >35' To 40', Add	*41.18*	
		For Elevated Installation >40', Add	*45.29*	
		For Work In Restricted Working Space, Add	*24.71*	
26 05 33 13-1267	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	1,162.69	51.66
		For Elevated Installation >10' To 15', Add	*10.33*	
		For Elevated Installation >15' To 20', Add	*20.66*	
		For Elevated Installation >20' To 25', Add	*25.83*	
		For Elevated Installation >25' To 30', Add	*36.16*	
		For Elevated Installation >30' To 35', Add	*41.32*	
		For Elevated Installation >35' To 40', Add	*51.66*	
		For Elevated Installation >40', Add	*56.82*	
		For Work In Restricted Working Space, Add	*30.99*	
26 05 33 13-1268	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	1,446.28	70.37
		For Elevated Installation >10' To 15', Add	*14.08*	
		For Elevated Installation >15' To 20', Add	*28.15*	
		For Elevated Installation >20' To 25', Add	*35.19*	
		For Elevated Installation >25' To 30', Add	*49.26*	
		For Elevated Installation >30' To 35', Add	*56.30*	
		For Elevated Installation >35' To 40', Add	*70.38*	
		For Elevated Installation >40', Add	*77.41*	
		For Work In Restricted Working Space, Add	*42.23*	
26 05 33 13-1269	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	2,027.49	79.35
		For Elevated Installation >10' To 15', Add	*15.87*	
		For Elevated Installation >15' To 20', Add	*31.74*	
		For Elevated Installation >20' To 25', Add	*39.68*	
		For Elevated Installation >25' To 30', Add	*55.55*	
		For Elevated Installation >30' To 35', Add	*63.49*	
		For Elevated Installation >35' To 40', Add	*79.36*	
		For Elevated Installation >40', Add	*87.30*	
		For Work In Restricted Working Space, Add	*47.62*	
26 05 33 13-1270	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	2,337.80	103.31
		For Elevated Installation >10' To 15', Add	*20.66*	
		For Elevated Installation >15' To 20', Add	*41.33*	
		For Elevated Installation >20' To 25', Add	*51.66*	
		For Elevated Installation >25' To 30', Add	*72.32*	
		For Elevated Installation >30' To 35', Add	*82.65*	
		For Elevated Installation >35' To 40', Add	*103.32*	
		For Elevated Installation >40', Add	*113.65*	
		For Work In Restricted Working Space, Add	*61.99*	

26 05 33 13-1271 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fittings With Bonding Jumper *(26 05 33 13-0848)*

26 05 33 13-1272	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	405.66	18.72
		For Elevated Installation >10' To 15', Add	*3.74*	
		For Elevated Installation >15' To 20', Add	*7.49*	
		For Elevated Installation >20' To 25', Add	*9.36*	
		For Elevated Installation >25' To 30', Add	*13.10*	
		For Elevated Installation >30' To 35', Add	*14.97*	
		For Elevated Installation >35' To 40', Add	*18.72*	
		For Elevated Installation >40', Add	*20.59*	
		For Work In Restricted Working Space, Add	*11.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1273	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	421.58	23.21
		For Elevated Installation >10' To 15', Add	*4.64*	
		For Elevated Installation >15' To 20', Add	*9.28*	
		For Elevated Installation >20' To 25', Add	*11.60*	
		For Elevated Installation >25' To 30', Add	*16.24*	
		For Elevated Installation >30' To 35', Add	*18.56*	
		For Elevated Installation >35' To 40', Add	*23.21*	
		For Elevated Installation >40', Add	*25.53*	
		For Work In Restricted Working Space, Add	*13.92*	
26 05 33 13-1274	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	473.71	28.45
		For Elevated Installation >10' To 15', Add	*5.69*	
		For Elevated Installation >15' To 20', Add	*11.38*	
		For Elevated Installation >20' To 25', Add	*14.23*	
		For Elevated Installation >25' To 30', Add	*19.92*	
		For Elevated Installation >30' To 35', Add	*22.76*	
		For Elevated Installation >35' To 40', Add	*28.45*	
		For Elevated Installation >40', Add	*31.30*	
		For Work In Restricted Working Space, Add	*17.07*	
26 05 33 13-1275	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	573.08	32.94
		For Elevated Installation >10' To 15', Add	*6.59*	
		For Elevated Installation >15' To 20', Add	*13.18*	
		For Elevated Installation >20' To 25', Add	*16.47*	
		For Elevated Installation >25' To 30', Add	*23.06*	
		For Elevated Installation >30' To 35', Add	*26.35*	
		For Elevated Installation >35' To 40', Add	*32.94*	
		For Elevated Installation >40', Add	*36.23*	
		For Work In Restricted Working Space, Add	*19.76*	
26 05 33 13-1276	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	694.43	37.43
		For Elevated Installation >10' To 15', Add	*7.49*	
		For Elevated Installation >15' To 20', Add	*14.97*	
		For Elevated Installation >20' To 25', Add	*18.72*	
		For Elevated Installation >25' To 30', Add	*26.20*	
		For Elevated Installation >30' To 35', Add	*29.94*	
		For Elevated Installation >35' To 40', Add	*37.43*	
		For Elevated Installation >40', Add	*41.17*	
		For Work In Restricted Working Space, Add	*22.46*	
26 05 33 13-1277	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	887.14	41.18
		For Elevated Installation >10' To 15', Add	*8.24*	
		For Elevated Installation >15' To 20', Add	*16.47*	
		For Elevated Installation >20' To 25', Add	*20.59*	
		For Elevated Installation >25' To 30', Add	*28.82*	
		For Elevated Installation >30' To 35', Add	*32.94*	
		For Elevated Installation >35' To 40', Add	*41.18*	
		For Elevated Installation >40', Add	*45.29*	
		For Work In Restricted Working Space, Add	*24.71*	
26 05 33 13-1278	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	1,308.89	51.66
		For Elevated Installation >10' To 15', Add	*10.33*	
		For Elevated Installation >15' To 20', Add	*20.66*	
		For Elevated Installation >20' To 25', Add	*25.83*	
		For Elevated Installation >25' To 30', Add	*36.16*	
		For Elevated Installation >30' To 35', Add	*41.32*	
		For Elevated Installation >35' To 40', Add	*51.66*	
		For Elevated Installation >40', Add	*56.82*	
		For Work In Restricted Working Space, Add	*30.99*	
26 05 33 13-1279	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	1,641.65	70.37
		For Elevated Installation >10' To 15', Add	*14.08*	
		For Elevated Installation >15' To 20', Add	*28.15*	
		For Elevated Installation >20' To 25', Add	*35.19*	
		For Elevated Installation >25' To 30', Add	*49.26*	
		For Elevated Installation >30' To 35', Add	*56.30*	
		For Elevated Installation >35' To 40', Add	*70.38*	
		For Elevated Installation >40', Add	*77.41*	
		For Work In Restricted Working Space, Add	*42.23*	
26 05 33 13-1280	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	2,090.56	79.35
		For Elevated Installation >10' To 15', Add	*15.87*	
		For Elevated Installation >15' To 20', Add	*31.74*	
		For Elevated Installation >20' To 25', Add	*39.68*	
		For Elevated Installation >25' To 30', Add	*55.55*	
		For Elevated Installation >30' To 35', Add	*63.49*	
		For Elevated Installation >35' To 40', Add	*79.36*	
		For Elevated Installation >40', Add	*87.30*	
		For Work In Restricted Working Space, Add	*47.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1281	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	2,617.12	103.31
		For Elevated Installation >10' To 15', Add	*20.66*	
		For Elevated Installation >15' To 20', Add	*41.33*	
		For Elevated Installation >20' To 25', Add	*51.66*	
		For Elevated Installation >25' To 30', Add	*72.32*	
		For Elevated Installation >30' To 35', Add	*82.65*	
		For Elevated Installation >35' To 40', Add	*103.32*	
		For Elevated Installation >40', Add	*113.65*	
		For Work In Restricted Working Space, Add	*61.99*	

26 05 33 13-1282 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STG Knockout Hubs *(26 05 33 13-0848)*

26 05 33 13-1283	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	84.82	8.98
		For Elevated Installation >10' To 15', Add	*1.80*	
		For Elevated Installation >15' To 20', Add	*3.59*	
		For Elevated Installation >20' To 25', Add	*4.49*	
		For Elevated Installation >25' To 30', Add	*6.29*	
		For Elevated Installation >30' To 35', Add	*7.18*	
		For Elevated Installation >35' To 40', Add	*8.98*	
		For Elevated Installation >40', Add	*9.88*	
		For Work In Restricted Working Space, Add	*5.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.39*	
26 05 33 13-1284	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	92.14	11.23
		For Elevated Installation >10' To 15', Add	*2.25*	
		For Elevated Installation >15' To 20', Add	*4.49*	
		For Elevated Installation >20' To 25', Add	*5.62*	
		For Elevated Installation >25' To 30', Add	*7.86*	
		For Elevated Installation >30' To 35', Add	*8.98*	
		For Elevated Installation >35' To 40', Add	*11.23*	
		For Elevated Installation >40', Add	*12.35*	
		For Work In Restricted Working Space, Add	*6.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.74*	
26 05 33 13-1285	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	101.50	13.47
		For Elevated Installation >10' To 15', Add	*2.70*	
		For Elevated Installation >15' To 20', Add	*5.39*	
		For Elevated Installation >20' To 25', Add	*6.74*	
		For Elevated Installation >25' To 30', Add	*9.44*	
		For Elevated Installation >30' To 35', Add	*10.78*	
		For Elevated Installation >35' To 40', Add	*13.48*	
		For Elevated Installation >40', Add	*14.83*	
		For Work In Restricted Working Space, Add	*8.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.09*	
26 05 33 13-1286	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	114.95	16.47
		For Elevated Installation >10' To 15', Add	*3.29*	
		For Elevated Installation >15' To 20', Add	*6.59*	
		For Elevated Installation >20' To 25', Add	*8.24*	
		For Elevated Installation >25' To 30', Add	*11.53*	
		For Elevated Installation >30' To 35', Add	*13.18*	
		For Elevated Installation >35' To 40', Add	*16.47*	
		For Elevated Installation >40', Add	*18.12*	
		For Work In Restricted Working Space, Add	*9.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.88*	
26 05 33 13-1287	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	154.24	18.72
		For Elevated Installation >10' To 15', Add	*3.74*	
		For Elevated Installation >15' To 20', Add	*7.49*	
		For Elevated Installation >20' To 25', Add	*9.36*	
		For Elevated Installation >25' To 30', Add	*13.10*	
		For Elevated Installation >30' To 35', Add	*14.97*	
		For Elevated Installation >35' To 40', Add	*18.72*	
		For Elevated Installation >40', Add	*20.59*	
		For Work In Restricted Working Space, Add	*11.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.23*	
26 05 33 13-1288	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	188.27	20.96
		For Elevated Installation >10' To 15', Add	*4.19*	
		For Elevated Installation >15' To 20', Add	*8.38*	
		For Elevated Installation >20' To 25', Add	*10.48*	
		For Elevated Installation >25' To 30', Add	*14.67*	
		For Elevated Installation >30' To 35', Add	*16.77*	
		For Elevated Installation >35' To 40', Add	*20.96*	
		For Elevated Installation >40', Add	*23.06*	
		For Work In Restricted Working Space, Add	*12.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.58*	
26 05 33 13-1289	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	269.10	26.20
		For Elevated Installation >10' To 15', Add	*5.24*	
		For Elevated Installation >15' To 20', Add	*10.48*	
		For Elevated Installation >20' To 25', Add	*13.10*	
		For Elevated Installation >25' To 30', Add	*18.34*	
		For Elevated Installation >30' To 35', Add	*20.96*	
		For Elevated Installation >35' To 40', Add	*26.21*	
		For Elevated Installation >40', Add	*28.83*	
		For Work In Restricted Working Space, Add	*15.72*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1290	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	351.40	35.19
		For Elevated Installation >10' To 15', Add	*7.04*	
		For Elevated Installation >15' To 20', Add	*14.07*	
		For Elevated Installation >20' To 25', Add	*17.59*	
		For Elevated Installation >25' To 30', Add	*24.63*	
		For Elevated Installation >30' To 35', Add	*28.15*	
		For Elevated Installation >35' To 40', Add	*35.19*	
		For Elevated Installation >40', Add	*38.70*	
		For Work In Restricted Working Space, Add	*21.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.11*	
26 05 33 13-1291	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	448.12	39.68
		For Elevated Installation >10' To 15', Add	*7.94*	
		For Elevated Installation >15' To 20', Add	*15.87*	
		For Elevated Installation >20' To 25', Add	*19.84*	
		For Elevated Installation >25' To 30', Add	*27.78*	
		For Elevated Installation >30' To 35', Add	*31.74*	
		For Elevated Installation >35' To 40', Add	*39.68*	
		For Elevated Installation >40', Add	*43.65*	
		For Work In Restricted Working Space, Add	*23.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.81*	
26 05 33 13-1292	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	563.79	51.66
		For Elevated Installation >10' To 15', Add	*10.33*	
		For Elevated Installation >15' To 20', Add	*20.66*	
		For Elevated Installation >20' To 25', Add	*25.83*	
		For Elevated Installation >25' To 30', Add	*36.16*	
		For Elevated Installation >30' To 35', Add	*41.32*	
		For Elevated Installation >35' To 40', Add	*51.66*	
		For Elevated Installation >40', Add	*56.82*	
		For Work In Restricted Working Space, Add	*30.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.99*	
26 05 33 13-1293	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	703.22	83.85
		For Elevated Installation >10' To 15', Add	*16.77*	
		For Elevated Installation >15' To 20', Add	*33.54*	
		For Elevated Installation >20' To 25', Add	*41.93*	
		For Elevated Installation >25' To 30', Add	*58.70*	
		For Elevated Installation >30' To 35', Add	*67.08*	
		For Elevated Installation >35' To 40', Add	*83.85*	
		For Elevated Installation >40', Add	*92.24*	
		For Work In Restricted Working Space, Add	*50.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.31*	
26 05 33 13-1294	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	1,060.58	126.53
		For Elevated Installation >10' To 15', Add	*25.31*	
		For Elevated Installation >15' To 20', Add	*50.61*	
		For Elevated Installation >20' To 25', Add	*63.26*	
		For Elevated Installation >25' To 30', Add	*88.57*	
		For Elevated Installation >30' To 35', Add	*101.22*	
		For Elevated Installation >35' To 40', Add	*126.53*	
		For Elevated Installation >40', Add	*139.18*	
		For Work In Restricted Working Space, Add	*75.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*75.92*	

26 05 33 13-1295 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STTB Knockout Hubs *(26 05 33 13-0848)*

26 05 33 13-1296	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	127.35	8.98
		For Elevated Installation >10' To 15', Add	*1.80*	
		For Elevated Installation >15' To 20', Add	*3.59*	
		For Elevated Installation >20' To 25', Add	*4.49*	
		For Elevated Installation >25' To 30', Add	*6.29*	
		For Elevated Installation >30' To 35', Add	*7.18*	
		For Elevated Installation >35' To 40', Add	*8.98*	
		For Elevated Installation >40', Add	*9.88*	
		For Work In Restricted Working Space, Add	*5.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.39*	
26 05 33 13-1297	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	134.97	11.23
		For Elevated Installation >10' To 15', Add	*2.25*	
		For Elevated Installation >15' To 20', Add	*4.49*	
		For Elevated Installation >20' To 25', Add	*5.62*	
		For Elevated Installation >25' To 30', Add	*7.86*	
		For Elevated Installation >30' To 35', Add	*8.98*	
		For Elevated Installation >35' To 40', Add	*11.23*	
		For Elevated Installation >40', Add	*12.35*	
		For Work In Restricted Working Space, Add	*6.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.74*	
26 05 33 13-1298	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	145.27	13.47
		For Elevated Installation >10' To 15', Add	*2.70*	
		For Elevated Installation >15' To 20', Add	*5.39*	
		For Elevated Installation >20' To 25', Add	*6.74*	
		For Elevated Installation >25' To 30', Add	*9.44*	
		For Elevated Installation >30' To 35', Add	*10.78*	
		For Elevated Installation >35' To 40', Add	*13.48*	
		For Elevated Installation >40', Add	*14.83*	
		For Work In Restricted Working Space, Add	*8.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1299	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	165.99	16.47
		For Elevated Installation >10' To 15', Add	*3.29*	
		For Elevated Installation >15' To 20', Add	*6.59*	
		For Elevated Installation >20' To 25', Add	*8.24*	
		For Elevated Installation >25' To 30', Add	*11.53*	
		For Elevated Installation >30' To 35', Add	*13.18*	
		For Elevated Installation >35' To 40', Add	*16.47*	
		For Elevated Installation >40', Add	*18.12*	
		For Work In Restricted Working Space, Add	*9.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.88*	
26 05 33 13-1300	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	178.34	18.72
		For Elevated Installation >10' To 15', Add	*3.74*	
		For Elevated Installation >15' To 20', Add	*7.49*	
		For Elevated Installation >20' To 25', Add	*9.36*	
		For Elevated Installation >25' To 30', Add	*13.10*	
		For Elevated Installation >30' To 35', Add	*14.97*	
		For Elevated Installation >35' To 40', Add	*18.72*	
		For Elevated Installation >40', Add	*20.59*	
		For Work In Restricted Working Space, Add	*11.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.23*	
26 05 33 13-1301	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	201.69	20.96
		For Elevated Installation >10' To 15', Add	*4.19*	
		For Elevated Installation >15' To 20', Add	*8.38*	
		For Elevated Installation >20' To 25', Add	*10.48*	
		For Elevated Installation >25' To 30', Add	*14.67*	
		For Elevated Installation >30' To 35', Add	*16.77*	
		For Elevated Installation >35' To 40', Add	*20.96*	
		For Elevated Installation >40', Add	*23.06*	
		For Work In Restricted Working Space, Add	*12.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.58*	
26 05 33 13-1302	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	306.78	26.20
		For Elevated Installation >10' To 15', Add	*5.24*	
		For Elevated Installation >15' To 20', Add	*10.48*	
		For Elevated Installation >20' To 25', Add	*13.10*	
		For Elevated Installation >25' To 30', Add	*18.34*	
		For Elevated Installation >30' To 35', Add	*20.96*	
		For Elevated Installation >35' To 40', Add	*26.21*	
		For Elevated Installation >40', Add	*28.83*	
		For Work In Restricted Working Space, Add	*15.72*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.72*	
26 05 33 13-1303	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	367.65	35.19
		For Elevated Installation >10' To 15', Add	*7.04*	
		For Elevated Installation >15' To 20', Add	*14.07*	
		For Elevated Installation >20' To 25', Add	*17.59*	
		For Elevated Installation >25' To 30', Add	*24.63*	
		For Elevated Installation >30' To 35', Add	*28.15*	
		For Elevated Installation >35' To 40', Add	*35.19*	
		For Elevated Installation >40', Add	*38.70*	
		For Work In Restricted Working Space, Add	*21.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.11*	
26 05 33 13-1304	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	451.63	39.68
		For Elevated Installation >10' To 15', Add	*7.94*	
		For Elevated Installation >15' To 20', Add	*15.87*	
		For Elevated Installation >20' To 25', Add	*19.84*	
		For Elevated Installation >25' To 30', Add	*27.78*	
		For Elevated Installation >30' To 35', Add	*31.74*	
		For Elevated Installation >35' To 40', Add	*39.68*	
		For Elevated Installation >40', Add	*43.65*	
		For Work In Restricted Working Space, Add	*23.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.81*	
26 05 33 13-1305	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	586.44	51.66
		For Elevated Installation >10' To 15', Add	*10.33*	
		For Elevated Installation >15' To 20', Add	*20.66*	
		For Elevated Installation >20' To 25', Add	*25.83*	
		For Elevated Installation >25' To 30', Add	*36.16*	
		For Elevated Installation >30' To 35', Add	*41.32*	
		For Elevated Installation >35' To 40', Add	*51.66*	
		For Elevated Installation >40', Add	*56.82*	
		For Work In Restricted Working Space, Add	*30.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.99*	
26 05 33 13-1306	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	912.70	83.85
		For Elevated Installation >10' To 15', Add	*16.77*	
		For Elevated Installation >15' To 20', Add	*33.54*	
		For Elevated Installation >20' To 25', Add	*41.93*	
		For Elevated Installation >25' To 30', Add	*58.70*	
		For Elevated Installation >30' To 35', Add	*67.08*	
		For Elevated Installation >35' To 40', Add	*83.85*	
		For Elevated Installation >40', Add	*92.24*	
		For Work In Restricted Working Space, Add	*50.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1307	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	1,492.26	126.53
		For Elevated Installation >10' To 15', Add	*25.31*	
		For Elevated Installation >15' To 20', Add	*50.61*	
		For Elevated Installation >20' To 25', Add	*63.26*	
		For Elevated Installation >25' To 30', Add	*88.57*	
		For Elevated Installation >30' To 35', Add	*101.22*	
		For Elevated Installation >35' To 40', Add	*126.53*	
		For Elevated Installation >40', Add	*139.18*	
		For Work In Restricted Working Space, Add	*75.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*75.92*	

26 05 33 13-1308 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STTTB Knockout Hubs *(26 05 33 13-0848)*

26 05 33 13-1309	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub	136.80	8.98
		For Elevated Installation >10' To 15', Add	*1.80*	
		For Elevated Installation >15' To 20', Add	*3.59*	
		For Elevated Installation >20' To 25', Add	*4.49*	
		For Elevated Installation >25' To 30', Add	*6.29*	
		For Elevated Installation >30' To 35', Add	*7.18*	
		For Elevated Installation >35' To 40', Add	*8.98*	
		For Elevated Installation >40', Add	*9.88*	
		For Work In Restricted Working Space, Add	*5.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.39*	
26 05 33 13-1310	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub	143.95	11.23
		For Elevated Installation >10' To 15', Add	*2.25*	
		For Elevated Installation >15' To 20', Add	*4.49*	
		For Elevated Installation >20' To 25', Add	*5.62*	
		For Elevated Installation >25' To 30', Add	*7.86*	
		For Elevated Installation >30' To 35', Add	*8.98*	
		For Elevated Installation >35' To 40', Add	*11.23*	
		For Elevated Installation >40', Add	*12.35*	
		For Work In Restricted Working Space, Add	*6.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.74*	
26 05 33 13-1311	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub	154.65	13.47
		For Elevated Installation >10' To 15', Add	*2.70*	
		For Elevated Installation >15' To 20', Add	*5.39*	
		For Elevated Installation >20' To 25', Add	*6.74*	
		For Elevated Installation >25' To 30', Add	*9.44*	
		For Elevated Installation >30' To 35', Add	*10.78*	
		For Elevated Installation >35' To 40', Add	*13.48*	
		For Elevated Installation >40', Add	*14.83*	
		For Work In Restricted Working Space, Add	*8.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.09*	
26 05 33 13-1312	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub	194.47	16.47
		For Elevated Installation >10' To 15', Add	*3.29*	
		For Elevated Installation >15' To 20', Add	*6.59*	
		For Elevated Installation >20' To 25', Add	*8.24*	
		For Elevated Installation >25' To 30', Add	*11.53*	
		For Elevated Installation >30' To 35', Add	*13.18*	
		For Elevated Installation >35' To 40', Add	*16.47*	
		For Elevated Installation >40', Add	*18.12*	
		For Work In Restricted Working Space, Add	*9.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.88*	
26 05 33 13-1313	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub	212.71	18.72
		For Elevated Installation >10' To 15', Add	*3.74*	
		For Elevated Installation >15' To 20', Add	*7.49*	
		For Elevated Installation >20' To 25', Add	*9.36*	
		For Elevated Installation >25' To 30', Add	*13.10*	
		For Elevated Installation >30' To 35', Add	*14.97*	
		For Elevated Installation >35' To 40', Add	*18.72*	
		For Elevated Installation >40', Add	*20.59*	
		For Work In Restricted Working Space, Add	*11.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.23*	
26 05 33 13-1314	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub	225.41	20.96
		For Elevated Installation >10' To 15', Add	*4.19*	
		For Elevated Installation >15' To 20', Add	*8.38*	
		For Elevated Installation >20' To 25', Add	*10.48*	
		For Elevated Installation >25' To 30', Add	*14.67*	
		For Elevated Installation >30' To 35', Add	*16.77*	
		For Elevated Installation >35' To 40', Add	*20.96*	
		For Elevated Installation >40', Add	*23.06*	
		For Work In Restricted Working Space, Add	*12.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.58*	

26 05 33 13-1315 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNF Conduit Unions *(26 05 33 13-0848)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1316	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	103.04	18.72
		For Elevated Installation >10' To 15', Add	*3.74*	
		For Elevated Installation >15' To 20', Add	*7.49*	
		For Elevated Installation >20' To 25', Add	*9.36*	
		For Elevated Installation >25' To 30', Add	*13.10*	
		For Elevated Installation >30' To 35', Add	*14.97*	
		For Elevated Installation >35' To 40', Add	*18.72*	
		For Elevated Installation >40', Add	*20.59*	
		For Work In Restricted Working Space, Add	*11.23*	
26 05 33 13-1317	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	113.22	23.21
		For Elevated Installation >10' To 15', Add	*4.64*	
		For Elevated Installation >15' To 20', Add	*9.28*	
		For Elevated Installation >20' To 25', Add	*11.60*	
		For Elevated Installation >25' To 30', Add	*16.24*	
		For Elevated Installation >30' To 35', Add	*18.56*	
		For Elevated Installation >35' To 40', Add	*23.21*	
		For Elevated Installation >40', Add	*25.53*	
		For Work In Restricted Working Space, Add	*13.92*	
26 05 33 13-1318	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	146.46	28.45
		For Elevated Installation >10' To 15', Add	*5.69*	
		For Elevated Installation >15' To 20', Add	*11.38*	
		For Elevated Installation >20' To 25', Add	*14.23*	
		For Elevated Installation >25' To 30', Add	*19.92*	
		For Elevated Installation >30' To 35', Add	*22.76*	
		For Elevated Installation >35' To 40', Add	*28.45*	
		For Elevated Installation >40', Add	*31.30*	
		For Work In Restricted Working Space, Add	*17.07*	
26 05 33 13-1319	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	210.02	32.94
		For Elevated Installation >10' To 15', Add	*6.59*	
		For Elevated Installation >15' To 20', Add	*13.18*	
		For Elevated Installation >20' To 25', Add	*16.47*	
		For Elevated Installation >25' To 30', Add	*23.06*	
		For Elevated Installation >30' To 35', Add	*26.35*	
		For Elevated Installation >35' To 40', Add	*32.94*	
		For Elevated Installation >40', Add	*36.23*	
		For Work In Restricted Working Space, Add	*19.76*	
26 05 33 13-1320	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	248.72	37.43
		For Elevated Installation >10' To 15', Add	*7.49*	
		For Elevated Installation >15' To 20', Add	*14.97*	
		For Elevated Installation >20' To 25', Add	*18.72*	
		For Elevated Installation >25' To 30', Add	*26.20*	
		For Elevated Installation >30' To 35', Add	*29.94*	
		For Elevated Installation >35' To 40', Add	*37.43*	
		For Elevated Installation >40', Add	*41.17*	
		For Work In Restricted Working Space, Add	*22.46*	
26 05 33 13-1321	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	314.04	41.18
		For Elevated Installation >10' To 15', Add	*8.24*	
		For Elevated Installation >15' To 20', Add	*16.47*	
		For Elevated Installation >20' To 25', Add	*20.59*	
		For Elevated Installation >25' To 30', Add	*28.82*	
		For Elevated Installation >30' To 35', Add	*32.94*	
		For Elevated Installation >35' To 40', Add	*41.18*	
		For Elevated Installation >40', Add	*45.29*	
		For Work In Restricted Working Space, Add	*24.71*	
26 05 33 13-1322	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	416.98	51.66
		For Elevated Installation >10' To 15', Add	*10.33*	
		For Elevated Installation >15' To 20', Add	*20.66*	
		For Elevated Installation >20' To 25', Add	*25.83*	
		For Elevated Installation >25' To 30', Add	*36.16*	
		For Elevated Installation >30' To 35', Add	*41.32*	
		For Elevated Installation >35' To 40', Add	*51.66*	
		For Elevated Installation >40', Add	*56.82*	
		For Work In Restricted Working Space, Add	*30.99*	
26 05 33 13-1323	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	535.75	51.66
		For Elevated Installation >10' To 15', Add	*10.33*	
		For Elevated Installation >15' To 20', Add	*20.66*	
		For Elevated Installation >20' To 25', Add	*25.83*	
		For Elevated Installation >25' To 30', Add	*36.16*	
		For Elevated Installation >30' To 35', Add	*41.32*	
		For Elevated Installation >35' To 40', Add	*51.66*	
		For Elevated Installation >40', Add	*56.82*	
		For Work In Restricted Working Space, Add	*30.99*	
26 05 33 13-1324	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	695.13	79.35
		For Elevated Installation >10' To 15', Add	*15.87*	
		For Elevated Installation >15' To 20', Add	*31.74*	
		For Elevated Installation >20' To 25', Add	*39.68*	
		For Elevated Installation >25' To 30', Add	*55.55*	
		For Elevated Installation >30' To 35', Add	*63.49*	
		For Elevated Installation >35' To 40', Add	*79.36*	
		For Elevated Installation >40', Add	*87.30*	
		For Work In Restricted Working Space, Add	*47.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1325	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	895.39	103.31
		For Elevated Installation >10' To 15', Add	*20.66*	
		For Elevated Installation >15' To 20', Add	*41.33*	
		For Elevated Installation >20' To 25', Add	*51.66*	
		For Elevated Installation >25' To 30', Add	*72.32*	
		For Elevated Installation >30' To 35', Add	*82.65*	
		For Elevated Installation >35' To 40', Add	*103.32*	
		For Elevated Installation >40', Add	*113.65*	
		For Work In Restricted Working Space, Add	*61.99*	
26 05 33 13-1326	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	1,624.28	168.45
		For Elevated Installation >10' To 15', Add	*33.69*	
		For Elevated Installation >15' To 20', Add	*67.38*	
		For Elevated Installation >20' To 25', Add	*84.23*	
		For Elevated Installation >25' To 30', Add	*117.92*	
		For Elevated Installation >30' To 35', Add	*134.76*	
		For Elevated Installation >35' To 40', Add	*168.45*	
		For Elevated Installation >40', Add	*185.30*	
		For Work In Restricted Working Space, Add	*101.07*	
26 05 33 13-1327	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	2,039.36	253.05
		For Elevated Installation >10' To 15', Add	*50.61*	
		For Elevated Installation >15' To 20', Add	*101.22*	
		For Elevated Installation >20' To 25', Add	*126.53*	
		For Elevated Installation >25' To 30', Add	*177.14*	
		For Elevated Installation >30' To 35', Add	*202.44*	
		For Elevated Installation >35' To 40', Add	*253.05*	
		For Elevated Installation >40', Add	*278.36*	
		For Work In Restricted Working Space, Add	*151.83*	

26 05 33 13-1328 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNY Conduit Unions *(26 05 33 13-0848)*

26 05 33 13-1329	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	105.25	18.72
		For Elevated Installation >10' To 15', Add	*3.74*	
		For Elevated Installation >15' To 20', Add	*7.49*	
		For Elevated Installation >20' To 25', Add	*9.36*	
		For Elevated Installation >25' To 30', Add	*13.10*	
		For Elevated Installation >30' To 35', Add	*14.97*	
		For Elevated Installation >35' To 40', Add	*18.72*	
		For Elevated Installation >40', Add	*20.59*	
		For Work In Restricted Working Space, Add	*11.23*	
26 05 33 13-1330	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	121.66	23.21
		For Elevated Installation >10' To 15', Add	*4.64*	
		For Elevated Installation >15' To 20', Add	*9.28*	
		For Elevated Installation >20' To 25', Add	*11.60*	
		For Elevated Installation >25' To 30', Add	*16.24*	
		For Elevated Installation >30' To 35', Add	*18.56*	
		For Elevated Installation >35' To 40', Add	*23.21*	
		For Elevated Installation >40', Add	*25.53*	
		For Work In Restricted Working Space, Add	*13.92*	
26 05 33 13-1331	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	150.96	28.45
		For Elevated Installation >10' To 15', Add	*5.69*	
		For Elevated Installation >15' To 20', Add	*11.38*	
		For Elevated Installation >20' To 25', Add	*14.23*	
		For Elevated Installation >25' To 30', Add	*19.92*	
		For Elevated Installation >30' To 35', Add	*22.76*	
		For Elevated Installation >35' To 40', Add	*28.45*	
		For Elevated Installation >40', Add	*31.30*	
		For Work In Restricted Working Space, Add	*17.07*	
26 05 33 13-1332	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	218.28	32.94
		For Elevated Installation >10' To 15', Add	*6.59*	
		For Elevated Installation >15' To 20', Add	*13.18*	
		For Elevated Installation >20' To 25', Add	*16.47*	
		For Elevated Installation >25' To 30', Add	*23.06*	
		For Elevated Installation >30' To 35', Add	*26.35*	
		For Elevated Installation >35' To 40', Add	*32.94*	
		For Elevated Installation >40', Add	*36.23*	
		For Work In Restricted Working Space, Add	*19.76*	
26 05 33 13-1333	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	260.18	37.43
		For Elevated Installation >10' To 15', Add	*7.49*	
		For Elevated Installation >15' To 20', Add	*14.97*	
		For Elevated Installation >20' To 25', Add	*18.72*	
		For Elevated Installation >25' To 30', Add	*26.20*	
		For Elevated Installation >30' To 35', Add	*29.94*	
		For Elevated Installation >35' To 40', Add	*37.43*	
		For Elevated Installation >40', Add	*41.17*	
		For Work In Restricted Working Space, Add	*22.46*	
26 05 33 13-1334	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	338.80	41.18
		For Elevated Installation >10' To 15', Add	*8.24*	
		For Elevated Installation >15' To 20', Add	*16.47*	
		For Elevated Installation >20' To 25', Add	*20.59*	
		For Elevated Installation >25' To 30', Add	*28.82*	
		For Elevated Installation >30' To 35', Add	*32.94*	
		For Elevated Installation >35' To 40', Add	*41.18*	
		For Elevated Installation >40', Add	*45.29*	
		For Work In Restricted Working Space, Add	*24.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1335	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	469.96	51.66
		For Elevated Installation >10' To 15', Add	*10.33*	
		For Elevated Installation >15' To 20', Add	*20.66*	
		For Elevated Installation >20' To 25', Add	*25.83*	
		For Elevated Installation >25' To 30', Add	*36.16*	
		For Elevated Installation >30' To 35', Add	*41.32*	
		For Elevated Installation >35' To 40', Add	*51.66*	
		For Elevated Installation >40', Add	*56.82*	
		For Work In Restricted Working Space, Add	*30.99*	
26 05 33 13-1336	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	589.62	51.66
		For Elevated Installation >10' To 15', Add	*10.33*	
		For Elevated Installation >15' To 20', Add	*20.66*	
		For Elevated Installation >20' To 25', Add	*25.83*	
		For Elevated Installation >25' To 30', Add	*36.16*	
		For Elevated Installation >30' To 35', Add	*41.32*	
		For Elevated Installation >35' To 40', Add	*51.66*	
		For Elevated Installation >40', Add	*56.82*	
		For Work In Restricted Working Space, Add	*30.99*	
26 05 33 13-1337	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	792.52	79.35
		For Elevated Installation >10' To 15', Add	*15.87*	
		For Elevated Installation >15' To 20', Add	*31.74*	
		For Elevated Installation >20' To 25', Add	*39.68*	
		For Elevated Installation >25' To 30', Add	*55.55*	
		For Elevated Installation >30' To 35', Add	*63.49*	
		For Elevated Installation >35' To 40', Add	*79.36*	
		For Elevated Installation >40', Add	*87.30*	
		For Work In Restricted Working Space, Add	*47.62*	
26 05 33 13-1338	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	992.43	103.31
		For Elevated Installation >10' To 15', Add	*20.66*	
		For Elevated Installation >15' To 20', Add	*41.33*	
		For Elevated Installation >20' To 25', Add	*51.66*	
		For Elevated Installation >25' To 30', Add	*72.32*	
		For Elevated Installation >30' To 35', Add	*82.65*	
		For Elevated Installation >35' To 40', Add	*103.32*	
		For Elevated Installation >40', Add	*113.65*	
		For Work In Restricted Working Space, Add	*61.99*	
26 05 33 13-1339	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	1,802.16	168.45
		For Elevated Installation >10' To 15', Add	*33.69*	
		For Elevated Installation >15' To 20', Add	*67.38*	
		For Elevated Installation >20' To 25', Add	*84.23*	
		For Elevated Installation >25' To 30', Add	*117.92*	
		For Elevated Installation >30' To 35', Add	*134.76*	
		For Elevated Installation >35' To 40', Add	*168.45*	
		For Elevated Installation >40', Add	*185.30*	
		For Work In Restricted Working Space, Add	*101.07*	
26 05 33 13-1340	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	2,326.57	253.05
		For Elevated Installation >10' To 15', Add	*50.61*	
		For Elevated Installation >15' To 20', Add	*101.22*	
		For Elevated Installation >20' To 25', Add	*126.53*	
		For Elevated Installation >25' To 30', Add	*177.14*	
		For Elevated Installation >30' To 35', Add	*202.44*	
		For Elevated Installation >35' To 40', Add	*253.05*	
		For Elevated Installation >40', Add	*278.36*	
		For Work In Restricted Working Space, Add	*151.83*	

26 05 33 13-1341 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Reducing Couplings *(26 05 33 13-0848)*

26 05 33 13-1342	EA	3/4" x 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	56.37	5.98
		For Elevated Installation >10' To 15', Add	*1.20*	
		For Elevated Installation >15' To 20', Add	*2.40*	
		For Elevated Installation >20' To 25', Add	*3.00*	
		For Elevated Installation >25' To 30', Add	*4.19*	
		For Elevated Installation >30' To 35', Add	*4.79*	
		For Elevated Installation >35' To 40', Add	*5.99*	
		For Elevated Installation >40', Add	*6.59*	
		For Work In Restricted Working Space, Add	*3.59*	
26 05 33 13-1343	EA	1" x 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	62.03	7.49
		For Elevated Installation >10' To 15', Add	*1.50*	
		For Elevated Installation >15' To 20', Add	*3.00*	
		For Elevated Installation >20' To 25', Add	*3.75*	
		For Elevated Installation >25' To 30', Add	*5.24*	
		For Elevated Installation >30' To 35', Add	*5.99*	
		For Elevated Installation >35' To 40', Add	*7.49*	
		For Elevated Installation >40', Add	*8.24*	
		For Work In Restricted Working Space, Add	*4.49*	
26 05 33 13-1344	EA	1" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	70.32	7.49
		For Elevated Installation >10' To 15', Add	*1.50*	
		For Elevated Installation >15' To 20', Add	*3.00*	
		For Elevated Installation >20' To 25', Add	*3.75*	
		For Elevated Installation >25' To 30', Add	*5.24*	
		For Elevated Installation >30' To 35', Add	*5.99*	
		For Elevated Installation >35' To 40', Add	*7.49*	
		For Elevated Installation >40', Add	*8.24*	
		For Work In Restricted Working Space, Add	*4.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1345	EA	1-1/4" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	86.68	8.24
		For Elevated Installation >10' To 15', Add	*1.65*	
		For Elevated Installation >15' To 20', Add	*3.29*	
		For Elevated Installation >20' To 25', Add	*4.12*	
		For Elevated Installation >25' To 30', Add	*5.76*	
		For Elevated Installation >30' To 35', Add	*6.59*	
		For Elevated Installation >35' To 40', Add	*8.24*	
		For Elevated Installation >40', Add	*9.06*	
		For Work In Restricted Working Space, Add	*4.94*	
26 05 33 13-1346	EA	1-1/4" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	91.46	8.24
		For Elevated Installation >10' To 15', Add	*1.65*	
		For Elevated Installation >15' To 20', Add	*3.29*	
		For Elevated Installation >20' To 25', Add	*4.12*	
		For Elevated Installation >25' To 30', Add	*5.76*	
		For Elevated Installation >30' To 35', Add	*6.59*	
		For Elevated Installation >35' To 40', Add	*8.24*	
		For Elevated Installation >40', Add	*9.06*	
		For Work In Restricted Working Space, Add	*4.94*	
26 05 33 13-1347	EA	1-1/2" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	79.13	9.73
		For Elevated Installation >10' To 15', Add	*1.95*	
		For Elevated Installation >15' To 20', Add	*3.89*	
		For Elevated Installation >20' To 25', Add	*4.87*	
		For Elevated Installation >25' To 30', Add	*6.81*	
		For Elevated Installation >30' To 35', Add	*7.79*	
		For Elevated Installation >35' To 40', Add	*9.74*	
		For Elevated Installation >40', Add	*10.71*	
		For Work In Restricted Working Space, Add	*5.84*	
26 05 33 13-1348	EA	1-1/2" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	89.81	9.73
		For Elevated Installation >10' To 15', Add	*1.95*	
		For Elevated Installation >15' To 20', Add	*3.89*	
		For Elevated Installation >20' To 25', Add	*4.87*	
		For Elevated Installation >25' To 30', Add	*6.81*	
		For Elevated Installation >30' To 35', Add	*7.79*	
		For Elevated Installation >35' To 40', Add	*9.74*	
		For Elevated Installation >40', Add	*10.71*	
		For Work In Restricted Working Space, Add	*5.84*	
26 05 33 13-1349	EA	1-1/2" x 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	137.83	9.73
		For Elevated Installation >10' To 15', Add	*1.95*	
		For Elevated Installation >15' To 20', Add	*3.89*	
		For Elevated Installation >20' To 25', Add	*4.87*	
		For Elevated Installation >25' To 30', Add	*6.81*	
		For Elevated Installation >30' To 35', Add	*7.79*	
		For Elevated Installation >35' To 40', Add	*9.74*	
		For Elevated Installation >40', Add	*10.71*	
		For Work In Restricted Working Space, Add	*5.84*	
26 05 33 13-1350	EA	2" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	153.30	11.23
		For Elevated Installation >10' To 15', Add	*2.25*	
		For Elevated Installation >15' To 20', Add	*4.49*	
		For Elevated Installation >20' To 25', Add	*5.62*	
		For Elevated Installation >25' To 30', Add	*7.86*	
		For Elevated Installation >30' To 35', Add	*8.98*	
		For Elevated Installation >35' To 40', Add	*11.23*	
		For Elevated Installation >40', Add	*12.35*	
		For Work In Restricted Working Space, Add	*6.74*	
26 05 33 13-1351	EA	2" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	149.16	11.23
		For Elevated Installation >10' To 15', Add	*2.25*	
		For Elevated Installation >15' To 20', Add	*4.49*	
		For Elevated Installation >20' To 25', Add	*5.62*	
		For Elevated Installation >25' To 30', Add	*7.86*	
		For Elevated Installation >30' To 35', Add	*8.98*	
		For Elevated Installation >35' To 40', Add	*11.23*	
		For Elevated Installation >40', Add	*12.35*	
		For Work In Restricted Working Space, Add	*6.74*	
26 05 33 13-1352	EA	2" x 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	156.86	11.23
		For Elevated Installation >10' To 15', Add	*2.25*	
		For Elevated Installation >15' To 20', Add	*4.49*	
		For Elevated Installation >20' To 25', Add	*5.62*	
		For Elevated Installation >25' To 30', Add	*7.86*	
		For Elevated Installation >30' To 35', Add	*8.98*	
		For Elevated Installation >35' To 40', Add	*11.23*	
		For Elevated Installation >40', Add	*12.35*	
		For Work In Restricted Working Space, Add	*6.74*	
26 05 33 13-1353	EA	2" x 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	176.23	11.23
		For Elevated Installation >10' To 15', Add	*2.25*	
		For Elevated Installation >15' To 20', Add	*4.49*	
		For Elevated Installation >20' To 25', Add	*5.62*	
		For Elevated Installation >25' To 30', Add	*7.86*	
		For Elevated Installation >30' To 35', Add	*8.98*	
		For Elevated Installation >35' To 40', Add	*11.23*	
		For Elevated Installation >40', Add	*12.35*	
		For Work In Restricted Working Space, Add	*6.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1354	EA	2-1/2" x 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	175.51	13.47
		For Elevated Installation >10' To 15', Add	*2.70*	
		For Elevated Installation >15' To 20', Add	*5.39*	
		For Elevated Installation >20' To 25', Add	*6.74*	
		For Elevated Installation >25' To 30', Add	*9.43*	
		For Elevated Installation >30' To 35', Add	*10.78*	
		For Elevated Installation >35' To 40', Add	*13.48*	
		For Elevated Installation >40', Add	*14.82*	
		For Work In Restricted Working Space, Add	*8.09*	
26 05 33 13-1355	EA	3" x 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	224.13	18.72
		For Elevated Installation >10' To 15', Add	*3.74*	
		For Elevated Installation >15' To 20', Add	*7.49*	
		For Elevated Installation >20' To 25', Add	*9.36*	
		For Elevated Installation >25' To 30', Add	*13.10*	
		For Elevated Installation >30' To 35', Add	*14.98*	
		For Elevated Installation >35' To 40', Add	*18.72*	
		For Elevated Installation >40', Add	*20.59*	
		For Work In Restricted Working Space, Add	*11.23*	
26 05 33 13-1356	EA	3-1/2" x 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	328.78	21.71
		For Elevated Installation >10' To 15', Add	*4.34*	
		For Elevated Installation >15' To 20', Add	*8.69*	
		For Elevated Installation >20' To 25', Add	*10.86*	
		For Elevated Installation >25' To 30', Add	*15.20*	
		For Elevated Installation >30' To 35', Add	*17.37*	
		For Elevated Installation >35' To 40', Add	*21.72*	
		For Elevated Installation >40', Add	*23.89*	
		For Work In Restricted Working Space, Add	*13.03*	
26 05 33 13-1357	EA	4" x 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	440.07	29.94
		For Elevated Installation >10' To 15', Add	*5.99*	
		For Elevated Installation >15' To 20', Add	*11.98*	
		For Elevated Installation >20' To 25', Add	*14.98*	
		For Elevated Installation >25' To 30', Add	*20.97*	
		For Elevated Installation >30' To 35', Add	*23.96*	
		For Elevated Installation >35' To 40', Add	*29.95*	
		For Elevated Installation >40', Add	*32.95*	
		For Work In Restricted Working Space, Add	*17.97*	
26 05 33 13-1358	EA	5" x 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	551.10	41.18
		For Elevated Installation >10' To 15', Add	*8.24*	
		For Elevated Installation >15' To 20', Add	*16.47*	
		For Elevated Installation >20' To 25', Add	*20.59*	
		For Elevated Installation >25' To 30', Add	*28.83*	
		For Elevated Installation >30' To 35', Add	*32.94*	
		For Elevated Installation >35' To 40', Add	*41.18*	
		For Elevated Installation >40', Add	*45.30*	
		For Work In Restricted Working Space, Add	*24.71*	

26 05 33 13-1359 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Nipples *(26 05 33 13-0848)*

26 05 33 13-1360	EA	1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	36.57	8.98
		For Elevated Installation >10' To 15', Add	*1.80*	
		For Elevated Installation >15' To 20', Add	*3.59*	
		For Elevated Installation >20' To 25', Add	*4.49*	
		For Elevated Installation >25' To 30', Add	*6.29*	
		For Elevated Installation >30' To 35', Add	*7.18*	
		For Elevated Installation >35' To 40', Add	*8.98*	
		For Elevated Installation >40', Add	*9.88*	
		For Work In Restricted Working Space, Add	*5.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.39*	
26 05 33 13-1361	EA	3/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	41.42	11.23
		For Elevated Installation >10' To 15', Add	*2.25*	
		For Elevated Installation >15' To 20', Add	*4.49*	
		For Elevated Installation >20' To 25', Add	*5.62*	
		For Elevated Installation >25' To 30', Add	*7.86*	
		For Elevated Installation >30' To 35', Add	*8.98*	
		For Elevated Installation >35' To 40', Add	*11.23*	
		For Elevated Installation >40', Add	*12.35*	
		For Work In Restricted Working Space, Add	*6.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.74*	
26 05 33 13-1362	EA	1" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	48.46	14.22
		For Elevated Installation >10' To 15', Add	*2.85*	
		For Elevated Installation >15' To 20', Add	*5.69*	
		For Elevated Installation >20' To 25', Add	*7.11*	
		For Elevated Installation >25' To 30', Add	*9.96*	
		For Elevated Installation >30' To 35', Add	*11.38*	
		For Elevated Installation >35' To 40', Add	*14.23*	
		For Elevated Installation >40', Add	*15.65*	
		For Work In Restricted Working Space, Add	*8.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1363	EA	1-1/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	57.55	16.47
		For Elevated Installation >10' To 15', Add	*3.29*	
		For Elevated Installation >15' To 20', Add	*6.59*	
		For Elevated Installation >20' To 25', Add	*8.24*	
		For Elevated Installation >25' To 30', Add	*11.53*	
		For Elevated Installation >30' To 35', Add	*13.18*	
		For Elevated Installation >35' To 40', Add	*16.47*	
		For Elevated Installation >40', Add	*18.12*	
		For Work In Restricted Working Space, Add	*9.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.88*	
26 05 33 13-1364	EA	1-1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	62.85	18.72
		For Elevated Installation >10' To 15', Add	*3.74*	
		For Elevated Installation >15' To 20', Add	*7.49*	
		For Elevated Installation >20' To 25', Add	*9.36*	
		For Elevated Installation >25' To 30', Add	*13.10*	
		For Elevated Installation >30' To 35', Add	*14.97*	
		For Elevated Installation >35' To 40', Add	*18.72*	
		For Elevated Installation >40', Add	*20.59*	
		For Work In Restricted Working Space, Add	*11.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.23*	
26 05 33 13-1365	EA	1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	40.47	9.73
		For Elevated Installation >10' To 15', Add	*1.95*	
		For Elevated Installation >15' To 20', Add	*3.89*	
		For Elevated Installation >20' To 25', Add	*4.87*	
		For Elevated Installation >25' To 30', Add	*6.81*	
		For Elevated Installation >30' To 35', Add	*7.79*	
		For Elevated Installation >35' To 40', Add	*9.74*	
		For Elevated Installation >40', Add	*10.71*	
		For Work In Restricted Working Space, Add	*5.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.84*	
26 05 33 13-1366	EA	3/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	43.97	11.23
		For Elevated Installation >10' To 15', Add	*2.25*	
		For Elevated Installation >15' To 20', Add	*4.49*	
		For Elevated Installation >20' To 25', Add	*5.62*	
		For Elevated Installation >25' To 30', Add	*7.86*	
		For Elevated Installation >30' To 35', Add	*8.98*	
		For Elevated Installation >35' To 40', Add	*11.23*	
		For Elevated Installation >40', Add	*12.35*	
		For Work In Restricted Working Space, Add	*6.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.74*	
26 05 33 13-1367	EA	1" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	51.02	14.22
		For Elevated Installation >10' To 15', Add	*2.85*	
		For Elevated Installation >15' To 20', Add	*5.69*	
		For Elevated Installation >20' To 25', Add	*7.11*	
		For Elevated Installation >25' To 30', Add	*9.96*	
		For Elevated Installation >30' To 35', Add	*11.38*	
		For Elevated Installation >35' To 40', Add	*14.23*	
		For Elevated Installation >40', Add	*15.65*	
		For Work In Restricted Working Space, Add	*8.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.54*	
26 05 33 13-1368	EA	1-1/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	60.27	16.47
		For Elevated Installation >10' To 15', Add	*3.29*	
		For Elevated Installation >15' To 20', Add	*6.59*	
		For Elevated Installation >20' To 25', Add	*8.24*	
		For Elevated Installation >25' To 30', Add	*11.53*	
		For Elevated Installation >30' To 35', Add	*13.18*	
		For Elevated Installation >35' To 40', Add	*16.47*	
		For Elevated Installation >40', Add	*18.12*	
		For Work In Restricted Working Space, Add	*9.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.88*	
26 05 33 13-1369	EA	1-1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	65.77	18.72
		For Elevated Installation >10' To 15', Add	*3.74*	
		For Elevated Installation >15' To 20', Add	*7.49*	
		For Elevated Installation >20' To 25', Add	*9.36*	
		For Elevated Installation >25' To 30', Add	*13.10*	
		For Elevated Installation >30' To 35', Add	*14.97*	
		For Elevated Installation >35' To 40', Add	*18.72*	
		For Elevated Installation >40', Add	*20.59*	
		For Work In Restricted Working Space, Add	*11.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.23*	
26 05 33 13-1370	EA	2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	71.54	20.96
		For Elevated Installation >10' To 15', Add	*4.19*	
		For Elevated Installation >15' To 20', Add	*8.38*	
		For Elevated Installation >20' To 25', Add	*10.48*	
		For Elevated Installation >25' To 30', Add	*14.67*	
		For Elevated Installation >30' To 35', Add	*16.77*	
		For Elevated Installation >35' To 40', Add	*20.96*	
		For Elevated Installation >40', Add	*23.06*	
		For Work In Restricted Working Space, Add	*12.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1371	EA	1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	40.65	9.73
		For Elevated Installation >10' To 15', Add	*1.95*	
		For Elevated Installation >15' To 20', Add	*3.89*	
		For Elevated Installation >20' To 25', Add	*4.87*	
		For Elevated Installation >25' To 30', Add	*6.81*	
		For Elevated Installation >30' To 35', Add	*7.79*	
		For Elevated Installation >35' To 40', Add	*9.74*	
		For Elevated Installation >40', Add	*10.71*	
		For Work In Restricted Working Space, Add	*5.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.84*	
26 05 33 13-1372	EA	3/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	44.13	11.23
		For Elevated Installation >10' To 15', Add	*2.25*	
		For Elevated Installation >15' To 20', Add	*4.49*	
		For Elevated Installation >20' To 25', Add	*5.61*	
		For Elevated Installation >25' To 30', Add	*7.86*	
		For Elevated Installation >30' To 35', Add	*8.98*	
		For Elevated Installation >35' To 40', Add	*11.23*	
		For Elevated Installation >40', Add	*12.35*	
		For Work In Restricted Working Space, Add	*6.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.74*	
26 05 33 13-1373	EA	1" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	51.35	14.22
		For Elevated Installation >10' To 15', Add	*2.85*	
		For Elevated Installation >15' To 20', Add	*5.69*	
		For Elevated Installation >20' To 25', Add	*7.11*	
		For Elevated Installation >25' To 30', Add	*9.96*	
		For Elevated Installation >30' To 35', Add	*11.38*	
		For Elevated Installation >35' To 40', Add	*14.23*	
		For Elevated Installation >40', Add	*15.65*	
		For Work In Restricted Working Space, Add	*8.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.54*	
26 05 33 13-1374	EA	1-1/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	60.62	16.47
		For Elevated Installation >10' To 15', Add	*3.29*	
		For Elevated Installation >15' To 20', Add	*6.59*	
		For Elevated Installation >20' To 25', Add	*8.24*	
		For Elevated Installation >25' To 30', Add	*11.53*	
		For Elevated Installation >30' To 35', Add	*13.18*	
		For Elevated Installation >35' To 40', Add	*16.47*	
		For Elevated Installation >40', Add	*18.12*	
		For Work In Restricted Working Space, Add	*9.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.88*	
26 05 33 13-1375	EA	1-1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	66.13	18.72
		For Elevated Installation >10' To 15', Add	*3.74*	
		For Elevated Installation >15' To 20', Add	*7.49*	
		For Elevated Installation >20' To 25', Add	*9.36*	
		For Elevated Installation >25' To 30', Add	*13.10*	
		For Elevated Installation >30' To 35', Add	*14.97*	
		For Elevated Installation >35' To 40', Add	*18.72*	
		For Elevated Installation >40', Add	*20.59*	
		For Work In Restricted Working Space, Add	*11.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.23*	
26 05 33 13-1376	EA	2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	72.45	20.96
		For Elevated Installation >10' To 15', Add	*4.19*	
		For Elevated Installation >15' To 20', Add	*8.38*	
		For Elevated Installation >20' To 25', Add	*10.48*	
		For Elevated Installation >25' To 30', Add	*14.67*	
		For Elevated Installation >30' To 35', Add	*16.77*	
		For Elevated Installation >35' To 40', Add	*20.96*	
		For Elevated Installation >40', Add	*23.06*	
		For Work In Restricted Working Space, Add	*12.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.58*	
26 05 33 13-1377	EA	1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	43.06	9.73
		For Elevated Installation >10' To 15', Add	*1.95*	
		For Elevated Installation >15' To 20', Add	*3.89*	
		For Elevated Installation >20' To 25', Add	*4.87*	
		For Elevated Installation >25' To 30', Add	*6.81*	
		For Elevated Installation >30' To 35', Add	*7.79*	
		For Elevated Installation >35' To 40', Add	*9.74*	
		For Elevated Installation >40', Add	*10.71*	
		For Work In Restricted Working Space, Add	*5.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.84*	
26 05 33 13-1378	EA	3/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	46.55	11.23
		For Elevated Installation >10' To 15', Add	*2.25*	
		For Elevated Installation >15' To 20', Add	*4.49*	
		For Elevated Installation >20' To 25', Add	*5.61*	
		For Elevated Installation >25' To 30', Add	*7.86*	
		For Elevated Installation >30' To 35', Add	*8.98*	
		For Elevated Installation >35' To 40', Add	*11.23*	
		For Elevated Installation >40', Add	*12.35*	
		For Work In Restricted Working Space, Add	*6.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1379	EA	1" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	53.95	14.22
		For Elevated Installation >10' To 15', Add	*2.85*	
		For Elevated Installation >15' To 20', Add	*5.69*	
		For Elevated Installation >20' To 25', Add	*7.11*	
		For Elevated Installation >25' To 30', Add	*9.96*	
		For Elevated Installation >30' To 35', Add	*11.38*	
		For Elevated Installation >35' To 40', Add	*14.23*	
		For Elevated Installation >40', Add	*15.65*	
		For Work In Restricted Working Space, Add	*8.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.54*	
26 05 33 13-1380	EA	1-1/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	62.10	16.47
		For Elevated Installation >10' To 15', Add	*3.29*	
		For Elevated Installation >15' To 20', Add	*6.59*	
		For Elevated Installation >20' To 25', Add	*8.24*	
		For Elevated Installation >25' To 30', Add	*11.53*	
		For Elevated Installation >30' To 35', Add	*13.18*	
		For Elevated Installation >35' To 40', Add	*16.47*	
		For Elevated Installation >40', Add	*18.12*	
		For Work In Restricted Working Space, Add	*9.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.88*	
26 05 33 13-1381	EA	1-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	67.76	18.72
		For Elevated Installation >10' To 15', Add	*3.74*	
		For Elevated Installation >15' To 20', Add	*7.49*	
		For Elevated Installation >20' To 25', Add	*9.36*	
		For Elevated Installation >25' To 30', Add	*13.10*	
		For Elevated Installation >30' To 35', Add	*14.97*	
		For Elevated Installation >35' To 40', Add	*18.72*	
		For Elevated Installation >40', Add	*20.59*	
		For Work In Restricted Working Space, Add	*11.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.23*	
26 05 33 13-1382	EA	2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	75.30	20.96
		For Elevated Installation >10' To 15', Add	*4.19*	
		For Elevated Installation >15' To 20', Add	*8.38*	
		For Elevated Installation >20' To 25', Add	*10.48*	
		For Elevated Installation >25' To 30', Add	*14.67*	
		For Elevated Installation >30' To 35', Add	*16.77*	
		For Elevated Installation >35' To 40', Add	*20.96*	
		For Elevated Installation >40', Add	*23.06*	
		For Work In Restricted Working Space, Add	*12.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.58*	
26 05 33 13-1383	EA	2-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	103.88	25.45
		For Elevated Installation >10' To 15', Add	*5.09*	
		For Elevated Installation >15' To 20', Add	*10.18*	
		For Elevated Installation >20' To 25', Add	*12.73*	
		For Elevated Installation >25' To 30', Add	*17.82*	
		For Elevated Installation >30' To 35', Add	*20.36*	
		For Elevated Installation >35' To 40', Add	*25.45*	
		For Elevated Installation >40', Add	*28.00*	
		For Work In Restricted Working Space, Add	*15.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.27*	
26 05 33 13-1384	EA	3" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	135.19	35.19
		For Elevated Installation >10' To 15', Add	*7.04*	
		For Elevated Installation >15' To 20', Add	*14.07*	
		For Elevated Installation >20' To 25', Add	*17.59*	
		For Elevated Installation >25' To 30', Add	*24.63*	
		For Elevated Installation >30' To 35', Add	*28.15*	
		For Elevated Installation >35' To 40', Add	*35.19*	
		For Elevated Installation >40', Add	*38.70*	
		For Work In Restricted Working Space, Add	*21.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.11*	
26 05 33 13-1385	EA	1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	43.24	9.73
		For Elevated Installation >10' To 15', Add	*1.95*	
		For Elevated Installation >15' To 20', Add	*3.89*	
		For Elevated Installation >20' To 25', Add	*4.87*	
		For Elevated Installation >25' To 30', Add	*6.81*	
		For Elevated Installation >30' To 35', Add	*7.79*	
		For Elevated Installation >35' To 40', Add	*9.74*	
		For Elevated Installation >40', Add	*10.71*	
		For Work In Restricted Working Space, Add	*5.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.84*	
26 05 33 13-1386	EA	3/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	46.88	11.23
		For Elevated Installation >10' To 15', Add	*2.25*	
		For Elevated Installation >15' To 20', Add	*4.49*	
		For Elevated Installation >20' To 25', Add	*5.61*	
		For Elevated Installation >25' To 30', Add	*7.86*	
		For Elevated Installation >30' To 35', Add	*8.98*	
		For Elevated Installation >35' To 40', Add	*11.23*	
		For Elevated Installation >40', Add	*12.35*	
		For Work In Restricted Working Space, Add	*6.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1387	EA	1" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	54.30	14.22
		For Elevated Installation >10' To 15', Add	*2.85*	
		For Elevated Installation >15' To 20', Add	*5.69*	
		For Elevated Installation >20' To 25', Add	*7.11*	
		For Elevated Installation >25' To 30', Add	*9.96*	
		For Elevated Installation >30' To 35', Add	*11.38*	
		For Elevated Installation >35' To 40', Add	*14.23*	
		For Elevated Installation >40', Add	*15.65*	
		For Work In Restricted Working Space, Add	*8.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.54*	
26 05 33 13-1388	EA	1-1/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	63.57	16.47
		For Elevated Installation >10' To 15', Add	*3.29*	
		For Elevated Installation >15' To 20', Add	*6.59*	
		For Elevated Installation >20' To 25', Add	*8.24*	
		For Elevated Installation >25' To 30', Add	*11.53*	
		For Elevated Installation >30' To 35', Add	*13.18*	
		For Elevated Installation >35' To 40', Add	*16.47*	
		For Elevated Installation >40', Add	*18.12*	
		For Work In Restricted Working Space, Add	*9.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.88*	
26 05 33 13-1389	EA	1-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	69.38	18.72
		For Elevated Installation >10' To 15', Add	*3.74*	
		For Elevated Installation >15' To 20', Add	*7.49*	
		For Elevated Installation >20' To 25', Add	*9.36*	
		For Elevated Installation >25' To 30', Add	*13.10*	
		For Elevated Installation >30' To 35', Add	*14.97*	
		For Elevated Installation >35' To 40', Add	*18.72*	
		For Elevated Installation >40', Add	*20.59*	
		For Work In Restricted Working Space, Add	*11.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.23*	
26 05 33 13-1390	EA	2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	78.15	20.96
		For Elevated Installation >10' To 15', Add	*4.19*	
		For Elevated Installation >15' To 20', Add	*8.38*	
		For Elevated Installation >20' To 25', Add	*10.48*	
		For Elevated Installation >25' To 30', Add	*14.67*	
		For Elevated Installation >30' To 35', Add	*16.77*	
		For Elevated Installation >35' To 40', Add	*20.96*	
		For Elevated Installation >40', Add	*23.06*	
		For Work In Restricted Working Space, Add	*12.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.58*	
26 05 33 13-1391	EA	2-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	106.39	25.45
		For Elevated Installation >10' To 15', Add	*5.09*	
		For Elevated Installation >15' To 20', Add	*10.18*	
		For Elevated Installation >20' To 25', Add	*12.73*	
		For Elevated Installation >25' To 30', Add	*17.82*	
		For Elevated Installation >30' To 35', Add	*20.36*	
		For Elevated Installation >35' To 40', Add	*25.45*	
		For Elevated Installation >40', Add	*28.00*	
		For Work In Restricted Working Space, Add	*15.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.27*	
26 05 33 13-1392	EA	3" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	140.61	35.19
		For Elevated Installation >10' To 15', Add	*7.04*	
		For Elevated Installation >15' To 20', Add	*14.07*	
		For Elevated Installation >20' To 25', Add	*17.59*	
		For Elevated Installation >25' To 30', Add	*24.63*	
		For Elevated Installation >30' To 35', Add	*28.15*	
		For Elevated Installation >35' To 40', Add	*35.19*	
		For Elevated Installation >40', Add	*38.70*	
		For Work In Restricted Working Space, Add	*21.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.11*	
26 05 33 13-1393	EA	3-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	166.95	39.68
		For Elevated Installation >10' To 15', Add	*7.94*	
		For Elevated Installation >15' To 20', Add	*15.87*	
		For Elevated Installation >20' To 25', Add	*19.84*	
		For Elevated Installation >25' To 30', Add	*27.77*	
		For Elevated Installation >30' To 35', Add	*31.74*	
		For Elevated Installation >35' To 40', Add	*39.68*	
		For Elevated Installation >40', Add	*43.64*	
		For Work In Restricted Working Space, Add	*23.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.81*	
26 05 33 13-1394	EA	4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	197.04	51.66
		For Elevated Installation >10' To 15', Add	*10.33*	
		For Elevated Installation >15' To 20', Add	*20.66*	
		For Elevated Installation >20' To 25', Add	*25.83*	
		For Elevated Installation >25' To 30', Add	*36.16*	
		For Elevated Installation >30' To 35', Add	*41.32*	
		For Elevated Installation >35' To 40', Add	*51.66*	
		For Elevated Installation >40', Add	*56.82*	
		For Work In Restricted Working Space, Add	*30.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1395	EA	1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	43.57	9.73
		For Elevated Installation >10' To 15', Add	*1.95*	
		For Elevated Installation >15' To 20', Add	*3.89*	
		For Elevated Installation >20' To 25', Add	*4.87*	
		For Elevated Installation >25' To 30', Add	*6.81*	
		For Elevated Installation >30' To 35', Add	*7.79*	
		For Elevated Installation >35' To 40', Add	*9.74*	
		For Elevated Installation >40', Add	*10.71*	
		For Work In Restricted Working Space, Add	*5.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.84*	
26 05 33 13-1396	EA	3/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	47.24	11.23
		For Elevated Installation >10' To 15', Add	*2.25*	
		For Elevated Installation >15' To 20', Add	*4.49*	
		For Elevated Installation >20' To 25', Add	*5.61*	
		For Elevated Installation >25' To 30', Add	*7.86*	
		For Elevated Installation >30' To 35', Add	*8.98*	
		For Elevated Installation >35' To 40', Add	*11.23*	
		For Elevated Installation >40', Add	*12.35*	
		For Work In Restricted Working Space, Add	*6.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.74*	
26 05 33 13-1397	EA	1" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	54.68	14.22
		For Elevated Installation >10' To 15', Add	*2.85*	
		For Elevated Installation >15' To 20', Add	*5.69*	
		For Elevated Installation >20' To 25', Add	*7.11*	
		For Elevated Installation >25' To 30', Add	*9.96*	
		For Elevated Installation >30' To 35', Add	*11.38*	
		For Elevated Installation >35' To 40', Add	*14.23*	
		For Elevated Installation >40', Add	*15.65*	
		For Work In Restricted Working Space, Add	*8.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.54*	
26 05 33 13-1398	EA	1-1/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	64.26	16.47
		For Elevated Installation >10' To 15', Add	*3.29*	
		For Elevated Installation >15' To 20', Add	*6.59*	
		For Elevated Installation >20' To 25', Add	*8.24*	
		For Elevated Installation >25' To 30', Add	*11.53*	
		For Elevated Installation >30' To 35', Add	*13.18*	
		For Elevated Installation >35' To 40', Add	*16.47*	
		For Elevated Installation >40', Add	*18.12*	
		For Work In Restricted Working Space, Add	*9.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.88*	
26 05 33 13-1399	EA	1-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	70.10	18.72
		For Elevated Installation >10' To 15', Add	*3.74*	
		For Elevated Installation >15' To 20', Add	*7.49*	
		For Elevated Installation >20' To 25', Add	*9.36*	
		For Elevated Installation >25' To 30', Add	*13.10*	
		For Elevated Installation >30' To 35', Add	*14.97*	
		For Elevated Installation >35' To 40', Add	*18.72*	
		For Elevated Installation >40', Add	*20.59*	
		For Work In Restricted Working Space, Add	*11.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.23*	
26 05 33 13-1400	EA	2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	79.70	20.96
		For Elevated Installation >10' To 15', Add	*4.19*	
		For Elevated Installation >15' To 20', Add	*8.38*	
		For Elevated Installation >20' To 25', Add	*10.48*	
		For Elevated Installation >25' To 30', Add	*14.67*	
		For Elevated Installation >30' To 35', Add	*16.77*	
		For Elevated Installation >35' To 40', Add	*20.96*	
		For Elevated Installation >40', Add	*23.06*	
		For Work In Restricted Working Space, Add	*12.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.58*	
26 05 33 13-1401	EA	2-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	116.41	25.45
		For Elevated Installation >10' To 15', Add	*5.09*	
		For Elevated Installation >15' To 20', Add	*10.18*	
		For Elevated Installation >20' To 25', Add	*12.73*	
		For Elevated Installation >25' To 30', Add	*17.82*	
		For Elevated Installation >30' To 35', Add	*20.36*	
		For Elevated Installation >35' To 40', Add	*25.45*	
		For Elevated Installation >40', Add	*28.00*	
		For Work In Restricted Working Space, Add	*15.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.27*	
26 05 33 13-1402	EA	3" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	148.72	35.19
		For Elevated Installation >10' To 15', Add	*7.04*	
		For Elevated Installation >15' To 20', Add	*14.07*	
		For Elevated Installation >20' To 25', Add	*17.59*	
		For Elevated Installation >25' To 30', Add	*24.63*	
		For Elevated Installation >30' To 35', Add	*28.15*	
		For Elevated Installation >35' To 40', Add	*35.19*	
		For Elevated Installation >40', Add	*38.70*	
		For Work In Restricted Working Space, Add	*21.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1403	EA	3-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	168.68	39.68
		For Elevated Installation >10' To 15', Add	*7.94*	
		For Elevated Installation >15' To 20', Add	*15.87*	
		For Elevated Installation >20' To 25', Add	*19.84*	
		For Elevated Installation >25' To 30', Add	*27.77*	
		For Elevated Installation >30' To 35', Add	*31.74*	
		For Elevated Installation >35' To 40', Add	*39.68*	
		For Elevated Installation >40', Add	*43.64*	
		For Work In Restricted Working Space, Add	*23.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.81*	
26 05 33 13-1404	EA	4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	201.66	51.66
		For Elevated Installation >10' To 15', Add	*10.33*	
		For Elevated Installation >15' To 20', Add	*20.66*	
		For Elevated Installation >20' To 25', Add	*25.83*	
		For Elevated Installation >25' To 30', Add	*36.16*	
		For Elevated Installation >30' To 35', Add	*41.32*	
		For Elevated Installation >35' To 40', Add	*51.66*	
		For Elevated Installation >40', Add	*56.82*	
		For Work In Restricted Working Space, Add	*30.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.99*	
26 05 33 13-1405	EA	5" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	295.23	71.12
		For Elevated Installation >10' To 15', Add	*14.22*	
		For Elevated Installation >15' To 20', Add	*28.45*	
		For Elevated Installation >20' To 25', Add	*35.56*	
		For Elevated Installation >25' To 30', Add	*49.78*	
		For Elevated Installation >30' To 35', Add	*56.90*	
		For Elevated Installation >35' To 40', Add	*71.12*	
		For Elevated Installation >40', Add	*78.23*	
		For Work In Restricted Working Space, Add	*42.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.67*	
26 05 33 13-1406	EA	1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	44.20	9.73
		For Elevated Installation >10' To 15', Add	*1.95*	
		For Elevated Installation >15' To 20', Add	*3.89*	
		For Elevated Installation >20' To 25', Add	*4.87*	
		For Elevated Installation >25' To 30', Add	*6.81*	
		For Elevated Installation >30' To 35', Add	*7.79*	
		For Elevated Installation >35' To 40', Add	*9.74*	
		For Elevated Installation >40', Add	*10.71*	
		For Work In Restricted Working Space, Add	*5.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.84*	
26 05 33 13-1407	EA	3/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	47.87	11.23
		For Elevated Installation >10' To 15', Add	*2.25*	
		For Elevated Installation >15' To 20', Add	*4.49*	
		For Elevated Installation >20' To 25', Add	*5.61*	
		For Elevated Installation >25' To 30', Add	*7.86*	
		For Elevated Installation >30' To 35', Add	*8.98*	
		For Elevated Installation >35' To 40', Add	*11.23*	
		For Elevated Installation >40', Add	*12.35*	
		For Work In Restricted Working Space, Add	*6.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.74*	
26 05 33 13-1408	EA	1" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	55.37	14.22
		For Elevated Installation >10' To 15', Add	*2.85*	
		For Elevated Installation >15' To 20', Add	*5.69*	
		For Elevated Installation >20' To 25', Add	*7.11*	
		For Elevated Installation >25' To 30', Add	*9.96*	
		For Elevated Installation >30' To 35', Add	*11.38*	
		For Elevated Installation >35' To 40', Add	*14.23*	
		For Elevated Installation >40', Add	*15.65*	
		For Work In Restricted Working Space, Add	*8.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.54*	
26 05 33 13-1409	EA	1-1/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	65.53	16.47
		For Elevated Installation >10' To 15', Add	*3.29*	
		For Elevated Installation >15' To 20', Add	*6.59*	
		For Elevated Installation >20' To 25', Add	*8.24*	
		For Elevated Installation >25' To 30', Add	*11.53*	
		For Elevated Installation >30' To 35', Add	*13.18*	
		For Elevated Installation >35' To 40', Add	*16.47*	
		For Elevated Installation >40', Add	*18.12*	
		For Work In Restricted Working Space, Add	*9.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.88*	
26 05 33 13-1410	EA	1-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	71.62	18.72
		For Elevated Installation >10' To 15', Add	*3.74*	
		For Elevated Installation >15' To 20', Add	*7.49*	
		For Elevated Installation >20' To 25', Add	*9.36*	
		For Elevated Installation >25' To 30', Add	*13.10*	
		For Elevated Installation >30' To 35', Add	*14.97*	
		For Elevated Installation >35' To 40', Add	*18.72*	
		For Elevated Installation >40', Add	*20.59*	
		For Work In Restricted Working Space, Add	*11.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1411	EA	2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	81.25	20.96
		For Elevated Installation >10' To 15', Add	*4.19*	
		For Elevated Installation >15' To 20', Add	*8.38*	
		For Elevated Installation >20' To 25', Add	*10.48*	
		For Elevated Installation >25' To 30', Add	*14.67*	
		For Elevated Installation >30' To 35', Add	*16.77*	
		For Elevated Installation >35' To 40', Add	*20.96*	
		For Elevated Installation >40', Add	*23.06*	
		For Work In Restricted Working Space, Add	*12.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.58*	
26 05 33 13-1412	EA	2-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	126.58	25.45
		For Elevated Installation >10' To 15', Add	*5.09*	
		For Elevated Installation >15' To 20', Add	*10.18*	
		For Elevated Installation >20' To 25', Add	*12.73*	
		For Elevated Installation >25' To 30', Add	*17.82*	
		For Elevated Installation >30' To 35', Add	*20.36*	
		For Elevated Installation >35' To 40', Add	*25.45*	
		For Elevated Installation >40', Add	*28.00*	
		For Work In Restricted Working Space, Add	*15.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.27*	
26 05 33 13-1413	EA	3" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	159.50	35.19
		For Elevated Installation >10' To 15', Add	*7.04*	
		For Elevated Installation >15' To 20', Add	*14.07*	
		For Elevated Installation >20' To 25', Add	*17.59*	
		For Elevated Installation >25' To 30', Add	*24.63*	
		For Elevated Installation >30' To 35', Add	*28.15*	
		For Elevated Installation >35' To 40', Add	*35.19*	
		For Elevated Installation >40', Add	*38.70*	
		For Work In Restricted Working Space, Add	*21.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.11*	
26 05 33 13-1414	EA	3-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	178.39	39.68
		For Elevated Installation >10' To 15', Add	*7.94*	
		For Elevated Installation >15' To 20', Add	*15.87*	
		For Elevated Installation >20' To 25', Add	*19.84*	
		For Elevated Installation >25' To 30', Add	*27.77*	
		For Elevated Installation >30' To 35', Add	*31.74*	
		For Elevated Installation >35' To 40', Add	*39.68*	
		For Elevated Installation >40', Add	*43.64*	
		For Work In Restricted Working Space, Add	*23.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.81*	
26 05 33 13-1415	EA	4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	218.04	51.66
		For Elevated Installation >10' To 15', Add	*10.33*	
		For Elevated Installation >15' To 20', Add	*20.66*	
		For Elevated Installation >20' To 25', Add	*25.83*	
		For Elevated Installation >25' To 30', Add	*36.16*	
		For Elevated Installation >30' To 35', Add	*41.32*	
		For Elevated Installation >35' To 40', Add	*51.66*	
		For Elevated Installation >40', Add	*56.82*	
		For Work In Restricted Working Space, Add	*30.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.99*	
26 05 33 13-1416	EA	5" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	319.71	71.12
		For Elevated Installation >10' To 15', Add	*14.22*	
		For Elevated Installation >15' To 20', Add	*28.45*	
		For Elevated Installation >20' To 25', Add	*35.56*	
		For Elevated Installation >25' To 30', Add	*49.78*	
		For Elevated Installation >30' To 35', Add	*56.90*	
		For Elevated Installation >35' To 40', Add	*71.12*	
		For Elevated Installation >40', Add	*78.23*	
		For Work In Restricted Working Space, Add	*42.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.67*	
26 05 33 13-1417	EA	1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	45.20	9.73
		For Elevated Installation >10' To 15', Add	*1.95*	
		For Elevated Installation >15' To 20', Add	*3.89*	
		For Elevated Installation >20' To 25', Add	*4.87*	
		For Elevated Installation >25' To 30', Add	*6.81*	
		For Elevated Installation >30' To 35', Add	*7.79*	
		For Elevated Installation >35' To 40', Add	*9.74*	
		For Elevated Installation >40', Add	*10.71*	
		For Work In Restricted Working Space, Add	*5.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.84*	
26 05 33 13-1418	EA	3/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	48.84	11.23
		For Elevated Installation >10' To 15', Add	*2.25*	
		For Elevated Installation >15' To 20', Add	*4.49*	
		For Elevated Installation >20' To 25', Add	*5.61*	
		For Elevated Installation >25' To 30', Add	*7.86*	
		For Elevated Installation >30' To 35', Add	*8.98*	
		For Elevated Installation >35' To 40', Add	*11.23*	
		For Elevated Installation >40', Add	*12.35*	
		For Work In Restricted Working Space, Add	*6.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1419	EA	1" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	56.90	14.22
		For Elevated Installation >10' To 15', Add	*2.85*	
		For Elevated Installation >15' To 20', Add	*5.69*	
		For Elevated Installation >20' To 25', Add	*7.11*	
		For Elevated Installation >25' To 30', Add	*9.96*	
		For Elevated Installation >30' To 35', Add	*11.38*	
		For Elevated Installation >35' To 40', Add	*14.23*	
		For Elevated Installation >40', Add	*15.65*	
		For Work In Restricted Working Space, Add	*8.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.54*	
26 05 33 13-1420	EA	1-1/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	65.86	16.47
		For Elevated Installation >10' To 15', Add	*3.29*	
		For Elevated Installation >15' To 20', Add	*6.59*	
		For Elevated Installation >20' To 25', Add	*8.24*	
		For Elevated Installation >25' To 30', Add	*11.53*	
		For Elevated Installation >30' To 35', Add	*13.18*	
		For Elevated Installation >35' To 40', Add	*16.47*	
		For Elevated Installation >40', Add	*18.12*	
		For Work In Restricted Working Space, Add	*9.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.88*	
26 05 33 13-1421	EA	1-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	74.72	18.72
		For Elevated Installation >10' To 15', Add	*3.74*	
		For Elevated Installation >15' To 20', Add	*7.49*	
		For Elevated Installation >20' To 25', Add	*9.36*	
		For Elevated Installation >25' To 30', Add	*13.10*	
		For Elevated Installation >30' To 35', Add	*14.97*	
		For Elevated Installation >35' To 40', Add	*18.72*	
		For Elevated Installation >40', Add	*20.59*	
		For Work In Restricted Working Space, Add	*11.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.23*	
26 05 33 13-1422	EA	2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	88.82	20.96
		For Elevated Installation >10' To 15', Add	*4.19*	
		For Elevated Installation >15' To 20', Add	*8.38*	
		For Elevated Installation >20' To 25', Add	*10.48*	
		For Elevated Installation >25' To 30', Add	*14.67*	
		For Elevated Installation >30' To 35', Add	*16.77*	
		For Elevated Installation >35' To 40', Add	*20.96*	
		For Elevated Installation >40', Add	*23.06*	
		For Work In Restricted Working Space, Add	*12.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.58*	
26 05 33 13-1423	EA	2-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	139.09	25.45
		For Elevated Installation >10' To 15', Add	*5.09*	
		For Elevated Installation >15' To 20', Add	*10.18*	
		For Elevated Installation >20' To 25', Add	*12.73*	
		For Elevated Installation >25' To 30', Add	*17.82*	
		For Elevated Installation >30' To 35', Add	*20.36*	
		For Elevated Installation >35' To 40', Add	*25.45*	
		For Elevated Installation >40', Add	*28.00*	
		For Work In Restricted Working Space, Add	*15.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.27*	
26 05 33 13-1424	EA	3" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	174.24	35.19
		For Elevated Installation >10' To 15', Add	*7.04*	
		For Elevated Installation >15' To 20', Add	*14.07*	
		For Elevated Installation >20' To 25', Add	*17.59*	
		For Elevated Installation >25' To 30', Add	*24.63*	
		For Elevated Installation >30' To 35', Add	*28.15*	
		For Elevated Installation >35' To 40', Add	*35.19*	
		For Elevated Installation >40', Add	*38.70*	
		For Work In Restricted Working Space, Add	*21.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.11*	
26 05 33 13-1425	EA	3-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	202.69	39.68
		For Elevated Installation >10' To 15', Add	*7.94*	
		For Elevated Installation >15' To 20', Add	*15.87*	
		For Elevated Installation >20' To 25', Add	*19.84*	
		For Elevated Installation >25' To 30', Add	*27.77*	
		For Elevated Installation >30' To 35', Add	*31.74*	
		For Elevated Installation >35' To 40', Add	*39.68*	
		For Elevated Installation >40', Add	*43.64*	
		For Work In Restricted Working Space, Add	*23.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.81*	
26 05 33 13-1426	EA	4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	242.62	51.66
		For Elevated Installation >10' To 15', Add	*10.33*	
		For Elevated Installation >15' To 20', Add	*20.66*	
		For Elevated Installation >20' To 25', Add	*25.83*	
		For Elevated Installation >25' To 30', Add	*36.16*	
		For Elevated Installation >30' To 35', Add	*41.32*	
		For Elevated Installation >35' To 40', Add	*51.66*	
		For Elevated Installation >40', Add	*56.82*	
		For Work In Restricted Working Space, Add	*30.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1427	EA	5" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	336.48	71.12
		For Elevated Installation >10' To 15', Add	*14.22*	
		For Elevated Installation >15' To 20', Add	*28.45*	
		For Elevated Installation >20' To 25', Add	*35.56*	
		For Elevated Installation >25' To 30', Add	*49.78*	
		For Elevated Installation >30' To 35', Add	*56.90*	
		For Elevated Installation >35' To 40', Add	*71.12*	
		For Elevated Installation >40', Add	*78.23*	
		For Work In Restricted Working Space, Add	*42.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.67*	
26 05 33 13-1428	EA	1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	46.24	9.73
		For Elevated Installation >10' To 15', Add	*1.95*	
		For Elevated Installation >15' To 20', Add	*3.89*	
		For Elevated Installation >20' To 25', Add	*4.87*	
		For Elevated Installation >25' To 30', Add	*6.81*	
		For Elevated Installation >30' To 35', Add	*7.79*	
		For Elevated Installation >35' To 40', Add	*9.74*	
		For Elevated Installation >40', Add	*10.71*	
		For Work In Restricted Working Space, Add	*5.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.84*	
26 05 33 13-1429	EA	3/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	49.85	11.23
		For Elevated Installation >10' To 15', Add	*2.25*	
		For Elevated Installation >15' To 20', Add	*4.49*	
		For Elevated Installation >20' To 25', Add	*5.61*	
		For Elevated Installation >25' To 30', Add	*7.86*	
		For Elevated Installation >30' To 35', Add	*8.98*	
		For Elevated Installation >35' To 40', Add	*11.23*	
		For Elevated Installation >40', Add	*12.35*	
		For Work In Restricted Working Space, Add	*6.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.74*	
26 05 33 13-1430	EA	1" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	58.40	14.22
		For Elevated Installation >10' To 15', Add	*2.85*	
		For Elevated Installation >15' To 20', Add	*5.69*	
		For Elevated Installation >20' To 25', Add	*7.11*	
		For Elevated Installation >25' To 30', Add	*9.96*	
		For Elevated Installation >30' To 35', Add	*11.38*	
		For Elevated Installation >35' To 40', Add	*14.23*	
		For Elevated Installation >40', Add	*15.65*	
		For Work In Restricted Working Space, Add	*8.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.54*	
26 05 33 13-1431	EA	1-1/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	70.44	16.47
		For Elevated Installation >10' To 15', Add	*3.29*	
		For Elevated Installation >15' To 20', Add	*6.59*	
		For Elevated Installation >20' To 25', Add	*8.24*	
		For Elevated Installation >25' To 30', Add	*11.53*	
		For Elevated Installation >30' To 35', Add	*13.18*	
		For Elevated Installation >35' To 40', Add	*16.47*	
		For Elevated Installation >40', Add	*18.12*	
		For Work In Restricted Working Space, Add	*9.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.88*	
26 05 33 13-1432	EA	1-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	82.10	18.72
		For Elevated Installation >10' To 15', Add	*3.74*	
		For Elevated Installation >15' To 20', Add	*7.49*	
		For Elevated Installation >20' To 25', Add	*9.36*	
		For Elevated Installation >25' To 30', Add	*13.10*	
		For Elevated Installation >30' To 35', Add	*14.97*	
		For Elevated Installation >35' To 40', Add	*18.72*	
		For Elevated Installation >40', Add	*20.59*	
		For Work In Restricted Working Space, Add	*11.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.23*	
26 05 33 13-1433	EA	2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	99.96	20.96
		For Elevated Installation >10' To 15', Add	*4.19*	
		For Elevated Installation >15' To 20', Add	*8.38*	
		For Elevated Installation >20' To 25', Add	*10.48*	
		For Elevated Installation >25' To 30', Add	*14.67*	
		For Elevated Installation >30' To 35', Add	*16.77*	
		For Elevated Installation >35' To 40', Add	*20.96*	
		For Elevated Installation >40', Add	*23.06*	
		For Work In Restricted Working Space, Add	*12.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.58*	
26 05 33 13-1434	EA	2-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	152.31	25.45
		For Elevated Installation >10' To 15', Add	*5.09*	
		For Elevated Installation >15' To 20', Add	*10.18*	
		For Elevated Installation >20' To 25', Add	*12.73*	
		For Elevated Installation >25' To 30', Add	*17.82*	
		For Elevated Installation >30' To 35', Add	*20.36*	
		For Elevated Installation >35' To 40', Add	*25.45*	
		For Elevated Installation >40', Add	*28.00*	
		For Work In Restricted Working Space, Add	*15.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1435	EA	3" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	193.13	35.19
		For Elevated Installation >10' To 15', Add	*7.04*	
		For Elevated Installation >15' To 20', Add	*14.07*	
		For Elevated Installation >20' To 25', Add	*17.59*	
		For Elevated Installation >25' To 30', Add	*24.63*	
		For Elevated Installation >30' To 35', Add	*28.15*	
		For Elevated Installation >35' To 40', Add	*35.19*	
		For Elevated Installation >40', Add	*38.70*	
		For Work In Restricted Working Space, Add	*21.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.11*	
26 05 33 13-1436	EA	3-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	228.22	39.68
		For Elevated Installation >10' To 15', Add	*7.94*	
		For Elevated Installation >15' To 20', Add	*15.87*	
		For Elevated Installation >20' To 25', Add	*19.84*	
		For Elevated Installation >25' To 30', Add	*27.77*	
		For Elevated Installation >30' To 35', Add	*31.74*	
		For Elevated Installation >35' To 40', Add	*39.68*	
		For Elevated Installation >40', Add	*43.64*	
		For Work In Restricted Working Space, Add	*23.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.81*	
26 05 33 13-1437	EA	4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	285.63	51.66
		For Elevated Installation >10' To 15', Add	*10.33*	
		For Elevated Installation >15' To 20', Add	*20.66*	
		For Elevated Installation >20' To 25', Add	*25.83*	
		For Elevated Installation >25' To 30', Add	*36.16*	
		For Elevated Installation >30' To 35', Add	*41.32*	
		For Elevated Installation >35' To 40', Add	*51.66*	
		For Elevated Installation >40', Add	*56.82*	
		For Work In Restricted Working Space, Add	*30.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.99*	
26 05 33 13-1438	EA	5" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	369.96	71.12
		For Elevated Installation >10' To 15', Add	*14.22*	
		For Elevated Installation >15' To 20', Add	*28.45*	
		For Elevated Installation >20' To 25', Add	*35.56*	
		For Elevated Installation >25' To 30', Add	*49.78*	
		For Elevated Installation >30' To 35', Add	*56.90*	
		For Elevated Installation >35' To 40', Add	*71.12*	
		For Elevated Installation >40', Add	*78.23*	
		For Work In Restricted Working Space, Add	*42.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.67*	
26 05 33 13-1439	EA	1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	47.31	9.73
		For Elevated Installation >10' To 15', Add	*1.95*	
		For Elevated Installation >15' To 20', Add	*3.89*	
		For Elevated Installation >20' To 25', Add	*4.87*	
		For Elevated Installation >25' To 30', Add	*6.81*	
		For Elevated Installation >30' To 35', Add	*7.79*	
		For Elevated Installation >35' To 40', Add	*9.74*	
		For Elevated Installation >40', Add	*10.71*	
		For Work In Restricted Working Space, Add	*5.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.84*	
26 05 33 13-1440	EA	3/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	51.05	11.23
		For Elevated Installation >10' To 15', Add	*2.25*	
		For Elevated Installation >15' To 20', Add	*4.49*	
		For Elevated Installation >20' To 25', Add	*5.61*	
		For Elevated Installation >25' To 30', Add	*7.86*	
		For Elevated Installation >30' To 35', Add	*8.98*	
		For Elevated Installation >35' To 40', Add	*11.23*	
		For Elevated Installation >40', Add	*12.35*	
		For Work In Restricted Working Space, Add	*6.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.74*	
26 05 33 13-1441	EA	1" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	62.21	14.22
		For Elevated Installation >10' To 15', Add	*2.85*	
		For Elevated Installation >15' To 20', Add	*5.69*	
		For Elevated Installation >20' To 25', Add	*7.11*	
		For Elevated Installation >25' To 30', Add	*9.96*	
		For Elevated Installation >30' To 35', Add	*11.38*	
		For Elevated Installation >35' To 40', Add	*14.23*	
		For Elevated Installation >40', Add	*15.65*	
		For Work In Restricted Working Space, Add	*8.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.54*	
26 05 33 13-1442	EA	1-1/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	77.96	16.47
		For Elevated Installation >10' To 15', Add	*3.29*	
		For Elevated Installation >15' To 20', Add	*6.59*	
		For Elevated Installation >20' To 25', Add	*8.24*	
		For Elevated Installation >25' To 30', Add	*11.53*	
		For Elevated Installation >30' To 35', Add	*13.18*	
		For Elevated Installation >35' To 40', Add	*16.47*	
		For Elevated Installation >40', Add	*18.12*	
		For Work In Restricted Working Space, Add	*9.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1443	EA	1-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	91.02	18.72
		For Elevated Installation >10' To 15', Add	*3.74*	
		For Elevated Installation >15' To 20', Add	*7.49*	
		For Elevated Installation >20' To 25', Add	*9.36*	
		For Elevated Installation >25' To 30', Add	*13.10*	
		For Elevated Installation >30' To 35', Add	*14.97*	
		For Elevated Installation >35' To 40', Add	*18.72*	
		For Elevated Installation >40', Add	*20.59*	
		For Work In Restricted Working Space, Add	*11.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.23*	
26 05 33 13-1444	EA	2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	108.90	20.96
		For Elevated Installation >10' To 15', Add	*4.19*	
		For Elevated Installation >15' To 20', Add	*8.38*	
		For Elevated Installation >20' To 25', Add	*10.48*	
		For Elevated Installation >25' To 30', Add	*14.67*	
		For Elevated Installation >30' To 35', Add	*16.77*	
		For Elevated Installation >35' To 40', Add	*20.96*	
		For Elevated Installation >40', Add	*23.06*	
		For Work In Restricted Working Space, Add	*12.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.58*	
26 05 33 13-1445	EA	2-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	169.95	25.45
		For Elevated Installation >10' To 15', Add	*5.09*	
		For Elevated Installation >15' To 20', Add	*10.18*	
		For Elevated Installation >20' To 25', Add	*12.73*	
		For Elevated Installation >25' To 30', Add	*17.82*	
		For Elevated Installation >30' To 35', Add	*20.36*	
		For Elevated Installation >35' To 40', Add	*25.45*	
		For Elevated Installation >40', Add	*28.00*	
		For Work In Restricted Working Space, Add	*15.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.27*	
26 05 33 13-1446	EA	3" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	221.45	35.19
		For Elevated Installation >10' To 15', Add	*7.04*	
		For Elevated Installation >15' To 20', Add	*14.07*	
		For Elevated Installation >20' To 25', Add	*17.59*	
		For Elevated Installation >25' To 30', Add	*24.63*	
		For Elevated Installation >30' To 35', Add	*28.15*	
		For Elevated Installation >35' To 40', Add	*35.19*	
		For Elevated Installation >40', Add	*38.70*	
		For Work In Restricted Working Space, Add	*21.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.11*	
26 05 33 13-1447	EA	3-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	243.88	39.68
		For Elevated Installation >10' To 15', Add	*7.94*	
		For Elevated Installation >15' To 20', Add	*15.87*	
		For Elevated Installation >20' To 25', Add	*19.84*	
		For Elevated Installation >25' To 30', Add	*27.77*	
		For Elevated Installation >30' To 35', Add	*31.74*	
		For Elevated Installation >35' To 40', Add	*39.68*	
		For Elevated Installation >40', Add	*43.64*	
		For Work In Restricted Working Space, Add	*23.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.81*	
26 05 33 13-1448	EA	4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	298.83	51.66
		For Elevated Installation >10' To 15', Add	*10.33*	
		For Elevated Installation >15' To 20', Add	*20.66*	
		For Elevated Installation >20' To 25', Add	*25.83*	
		For Elevated Installation >25' To 30', Add	*36.16*	
		For Elevated Installation >30' To 35', Add	*41.32*	
		For Elevated Installation >35' To 40', Add	*51.66*	
		For Elevated Installation >40', Add	*56.82*	
		For Work In Restricted Working Space, Add	*30.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.99*	
26 05 33 13-1449	EA	5" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	374.74	71.12
		For Elevated Installation >10' To 15', Add	*14.22*	
		For Elevated Installation >15' To 20', Add	*28.45*	
		For Elevated Installation >20' To 25', Add	*35.56*	
		For Elevated Installation >25' To 30', Add	*49.78*	
		For Elevated Installation >30' To 35', Add	*56.90*	
		For Elevated Installation >35' To 40', Add	*71.12*	
		For Elevated Installation >40', Add	*78.23*	
		For Work In Restricted Working Space, Add	*42.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.67*	

26 05 33 13-1450 Aluminum Rigid Conduit (ARC) *(26 05 33 13-0059)*

Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

26 05 33 13-1451 Aluminum Rigid Conduit (ARC) With Threaded Coupling *(26 05 33 13-1450)*

Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-2319 for field bending >1".

26 05 33 13-1452	LF	1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling	6.83	2.31
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.86*	
		For Work In Restricted Working Space, Add	*1.73*	
26 05 33 13-1453	LF	3/4" Aluminum Rigid Conduit (ARC) With Threaded Coupling	7.78	2.54
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.95*	
		For Work In Restricted Working Space, Add	*1.90*	
26 05 33 13-1454	LF	1" Aluminum Rigid Conduit (ARC) With Threaded Coupling	8.96	2.77
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.04*	
		For Work In Restricted Working Space, Add	*2.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1455	LF	1-1/4" Aluminum Rigid Conduit (ARC) With Threaded Coupling	10.17	3.00
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.12*	
		For Work In Restricted Working Space, Add	*2.25*	
26 05 33 13-1456	LF	1-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling	11.39	3.23
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.21*	
		For Work In Restricted Working Space, Add	*2.42*	
26 05 33 13-1457	LF	2" Aluminum Rigid Conduit (ARC) With Threaded Coupling	13.66	3.69
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.38*	
		For Work In Restricted Working Space, Add	*2.76*	
26 05 33 13-1458	LF	2-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling	18.55	4.61
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.73*	
		For Work In Restricted Working Space, Add	*3.46*	
26 05 33 13-1459	LF	3" Aluminum Rigid Conduit (ARC) With Threaded Coupling	23.06	5.53
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*2.07*	
		For Work In Restricted Working Space, Add	*4.15*	
26 05 33 13-1460	LF	3-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling	28.36	6.91
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*2.59*	
		For Work In Restricted Working Space, Add	*5.18*	
26 05 33 13-1461	LF	4" Aluminum Rigid Conduit (ARC) With Threaded Coupling	35.02	8.75
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*3.28*	
		For Work In Restricted Working Space, Add	*6.56*	
26 05 33 13-1462	LF	5" Aluminum Rigid Conduit (ARC) With Threaded Coupling	46.45	11.06
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*4.15*	
		For Work In Restricted Working Space, Add	*8.30*	
26 05 33 13-1463	LF	6" Aluminum Rigid Conduit (ARC) With Threaded Coupling	59.30	13.82
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*5.18*	
		For Work In Restricted Working Space, Add	*10.37*	

26 05 33 13-1464 Aluminum 90 Degree Elbows *(26 05 33 13-1450)*

26 05 33 13-1465	EA	1" Aluminum 90 Degree Elbow	41.39	11.98
		For Work In Restricted Working Space, Add	*8.98*	
26 05 33 13-1466	EA	1-1/4" Aluminum 90 Degree Elbow	52.18	13.59
		For Work In Restricted Working Space, Add	*10.19*	
26 05 33 13-1467	EA	1-1/2" Aluminum 90 Degree Elbow	63.38	15.67
		For Work In Restricted Working Space, Add	*11.75*	
26 05 33 13-1468	EA	2" Aluminum 90 Degree Elbow	80.56	17.96
		For Work In Restricted Working Space, Add	*13.48*	
26 05 33 13-1469	EA	2-1/2" Aluminum 90 Degree Elbow	114.78	21.88
		For Work In Restricted Working Space, Add	*16.41*	
26 05 33 13-1470	EA	3" Aluminum 90 Degree Elbow	163.62	28.33
		For Work In Restricted Working Space, Add	*21.25*	
26 05 33 13-1471	EA	3-1/2" Aluminum 90 Degree Elbow	224.19	31.79
		For Work In Restricted Working Space, Add	*23.84*	
26 05 33 13-1472	EA	4" Aluminum 90 Degree Elbow	271.22	39.85
		For Work In Restricted Working Space, Add	*29.89*	
26 05 33 13-1473	EA	5" Aluminum 90 Degree Elbow	669.77	64.96
		For Work In Restricted Working Space, Add	*48.72*	
26 05 33 13-1474	EA	6" Aluminum 90 Degree Elbow	946.15	97.67
		For Work In Restricted Working Space, Add	*73.25*	

26 05 33 13-1475 Aluminum Bushing Set With Locknut *(26 05 33 13-1450)*

26 05 33 13-1476	EA	1/2" Aluminum Bushing Set With Locknut	12.39	4.61
		For Work In Restricted Working Space, Add	*3.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.46*	
26 05 33 13-1477	EA	3/4" Aluminum Bushing Set With Locknut	18.49	5.98
		For Work In Restricted Working Space, Add	*4.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.49*	
26 05 33 13-1478	EA	1" Aluminum Bushing Set With Locknut	18.98	7.37
		For Work In Restricted Working Space, Add	*5.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.53*	
26 05 33 13-1479	EA	1-1/4" Aluminum Bushing Set With Locknut	21.36	8.29
		For Work In Restricted Working Space, Add	*6.22*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.22*	
26 05 33 13-1480	EA	1-1/2" Aluminum Bushing Set With Locknut	26.15	10.13
		For Work In Restricted Working Space, Add	*7.60*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
26 05 33 13-1481	EA	2" Aluminum Bushing Set With Locknut	31.85	12.21
		For Work In Restricted Working Space, Add	*9.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.16*	
26 05 33 13-1482	EA	2-1/2" Aluminum Bushing Set With Locknut	39.00	14.52
		For Work In Restricted Working Space, Add	*10.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.88*	
26 05 33 13-1483	EA	3" Aluminum Bushing Set With Locknut	45.48	16.59
		For Work In Restricted Working Space, Add	*12.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.44*	
26 05 33 13-1484	EA	3-1/2" Aluminum Bushing Set With Locknut	49.20	17.96
		For Work In Restricted Working Space, Add	*13.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.48*	
26 05 33 13-1485	EA	4" Aluminum Bushing Set With Locknut	53.52	19.35
		For Work In Restricted Working Space, Add	*14.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1486	EA	5" Aluminum Bushing Set With Locknut	70.93	25.80
		For Work In Restricted Working Space, Add	*19.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.35*	
26 05 33 13-1487	EA	6" Aluminum Bushing Set With Locknut	105.57	38.70
		For Work In Restricted Working Space, Add	*29.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.03*	

26 05 33 13-1488 Schedule 40 Polyvinyl Chloride (PVC) Conduit *(26 05 33 13-0059)*

Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

26 05 33 13-1489 Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings *(26 05 33 13-1488)*

Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-2329 for field bending >1".

26 05 33 13-1490	LF	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	5.56	1.80
		For Schedule 60, Add	*0.49*	
		For Schedule 80, Add	*0.82*	
26 05 33 13-1491	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	6.35	1.97
		For Schedule 60, Add	*0.60*	
		For Schedule 80, Add	*0.99*	
26 05 33 13-1492	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	7.87	2.30
		For Schedule 60, Add	*0.81*	
		For Schedule 80, Add	*1.31*	
26 05 33 13-1493	LF	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	9.39	2.63
		For Schedule 60, Add	*1.03*	
		For Schedule 80, Add	*1.64*	
26 05 33 13-1494	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	11.05	3.07
		For Schedule 60, Add	*1.22*	
		For Schedule 80, Add	*1.95*	
26 05 33 13-1495	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	13.20	3.52
		For Schedule 60, Add	*1.54*	
		For Schedule 80, Add	*2.43*	
26 05 33 13-1496	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	17.50	4.18
		For Schedule 60, Add	*2.29*	
		For Schedule 80, Add	*3.52*	
26 05 33 13-1497	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	20.50	4.84
		For Schedule 60, Add	*2.71*	
		For Schedule 80, Add	*4.15*	
26 05 33 13-1498	LF	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	25.03	5.71
		For Schedule 60, Add	*3.40*	
		For Schedule 80, Add	*5.19*	
26 05 33 13-1499	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	29.39	7.03
		For Schedule 60, Add	*3.83*	
		For Schedule 80, Add	*5.89*	
26 05 33 13-1500	LF	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	41.94	9.89
		For Schedule 60, Add	*5.54*	
		For Schedule 80, Add	*8.50*	
26 05 33 13-1501	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	55.70	13.18
		For Schedule 60, Add	*7.33*	
		For Schedule 80, Add	*11.26*	

26 05 33 13-1502 Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows *(26 05 33 13-1488)*

See CSI section 26 05 33 13-2329 for conduit field bending.

26 05 33 13-1503	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	23.52	8.78
		For Schedule 60, Add	*1.48*	
		For Schedule 80, Add	*2.74*	
26 05 33 13-1504	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	26.01	9.67
		For Schedule 60, Add	*1.67*	
		For Schedule 80, Add	*3.06*	
26 05 33 13-1505	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	30.34	10.99
		For Schedule 60, Add	*2.09*	
		For Schedule 80, Add	*3.75*	
26 05 33 13-1506	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	39.31	14.06
		For Schedule 60, Add	*2.80*	
		For Schedule 80, Add	*4.97*	
26 05 33 13-1507	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	49.57	17.58
		For Schedule 60, Add	*3.60*	
		For Schedule 80, Add	*6.36*	
26 05 33 13-1508	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	62.71	21.98
		For Schedule 60, Add	*4.69*	
		For Schedule 80, Add	*8.22*	
26 05 33 13-1509	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	79.70	26.36
		For Schedule 60, Add	*6.74*	
		For Schedule 80, Add	*11.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1510	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	99.44	30.76
		For Schedule 60, Add	*9.48*	
		For Schedule 80, Add	*15.58*	
26 05 33 13-1511	EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	124.72	37.35
		For Schedule 60, Add	*12.50*	
		For Schedule 80, Add	*20.31*	
26 05 33 13-1512	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	150.19	43.94
		For Schedule 60, Add	*15.57*	
		For Schedule 80, Add	*25.10*	
26 05 33 13-1513	EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	208.37	54.93
		For Schedule 60, Add	*24.63*	
		For Schedule 80, Add	*38.60*	
26 05 33 13-1514	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	255.36	65.92
		For Schedule 60, Add	*30.88*	
		For Schedule 80, Add	*48.18*	
26 05 33 13-1515		**Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbows** *(26 05 33 13-1488)* See CSI section 26 05 33 13-2329 for conduit field bending.		
26 05 33 13-1516	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	23.52	8.78
		For Schedule 60, Add	*1.48*	
		For Schedule 80, Add	*2.74*	
26 05 33 13-1517	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	25.90	9.67
		For Schedule 60, Add	*1.64*	
		For Schedule 80, Add	*3.02*	
26 05 33 13-1518	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	30.18	10.99
		For Schedule 60, Add	*2.05*	
		For Schedule 80, Add	*3.70*	
26 05 33 13-1519	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	38.87	14.06
		For Schedule 60, Add	*2.69*	
		For Schedule 80, Add	*4.81*	
26 05 33 13-1520	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	48.57	17.58
		For Schedule 60, Add	*3.35*	
		For Schedule 80, Add	*6.01*	
26 05 33 13-1521	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	62.18	21.98
		For Schedule 60, Add	*4.56*	
		For Schedule 80, Add	*8.03*	
26 05 33 13-1522	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	78.70	26.36
		For Schedule 60, Add	*6.49*	
		For Schedule 80, Add	*11.07*	
26 05 33 13-1523	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	98.17	30.76
		For Schedule 60, Add	*9.16*	
		For Schedule 80, Add	*15.13*	
26 05 33 13-1524	EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	121.15	37.35
		For Schedule 60, Add	*11.61*	
		For Schedule 80, Add	*19.06*	
26 05 33 13-1525	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	147.12	43.94
		For Schedule 60, Add	*14.81*	
		For Schedule 80, Add	*24.02*	
26 05 33 13-1526	EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	204.40	54.93
		For Schedule 60, Add	*23.63*	
		For Schedule 80, Add	*37.21*	
26 05 33 13-1527	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	243.54	65.92
		For Schedule 60, Add	*27.93*	
		For Schedule 80, Add	*44.04*	
26 05 33 13-1528		**Schedule 40 Polyvinyl Chloride (PVC) Conduit 18" Large Radius Elbow** *(26 05 33 13-1488)*		
26 05 33 13-1529	EA	1" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow	85.48	28.45
		For Schedule 80, Add	*15.69*	
26 05 33 13-1530	EA	1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow	100.07	32.94
		For Schedule 80, Add	*18.55*	
26 05 33 13-1531	EA	1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow	113.32	37.43
		For Schedule 80, Add	*20.95*	
26 05 33 13-1532	EA	2" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow	133.88	41.18
		For Schedule 80, Add	*26.27*	
26 05 33 13-1533	EA	2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow	175.45	51.66
		For Schedule 80, Add	*35.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1534	EA	3" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow	229.88	70.37
		For Schedule 80, Add	*45.27*	
26 05 33 13-1535	EA	3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow	275.56	79.35
		For Schedule 80, Add	*56.77*	
26 05 33 13-1536	EA	4" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow	331.94	103.31
		For Schedule 80, Add	*64.52*	
26 05 33 13-1537		**Schedule 40 Polyvinyl Chloride (PVC) Conduit 24" Large Radius Elbow** *(26 05 33 13-1488)*		
26 05 33 13-1538	EA	1" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow	90.73	28.45
		For Schedule 80, Add	*17.53*	
26 05 33 13-1539	EA	1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow	112.70	32.94
		For Schedule 80, Add	*22.98*	
26 05 33 13-1540	EA	1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow	131.40	37.43
		For Schedule 80, Add	*27.28*	
26 05 33 13-1541	EA	2" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow	142.83	41.18
		For Schedule 80, Add	*29.40*	
26 05 33 13-1542	EA	2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow	203.03	51.66
		For Schedule 80, Add	*45.23*	
26 05 33 13-1543	EA	3" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow	269.99	70.37
		For Schedule 80, Add	*59.31*	
26 05 33 13-1544	EA	3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow	300.25	79.35
		For Schedule 80, Add	*65.41*	
26 05 33 13-1545	EA	4" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow	361.83	103.31
		For Schedule 80, Add	*74.98*	
26 05 33 13-1546		**Schedule 40 Polyvinyl Chloride (PVC) Conduit 30" Large Radius Elbow** *(26 05 33 13-1488)*		
26 05 33 13-1547	EA	1" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow	104.88	28.45
		For Schedule 80, Add	*22.48*	
26 05 33 13-1548	EA	1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow	118.63	32.94
		For Schedule 80, Add	*25.05*	
26 05 33 13-1549	EA	1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow	134.88	37.43
		For Schedule 80, Add	*28.49*	
26 05 33 13-1550	EA	2" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow	159.71	41.18
		For Schedule 80, Add	*35.31*	
26 05 33 13-1551	EA	2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow	213.30	51.66
		For Schedule 80, Add	*48.83*	
26 05 33 13-1552	EA	3" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow	278.61	70.37
		For Schedule 80, Add	*62.33*	
26 05 33 13-1553	EA	3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow	333.12	79.35
		For Schedule 80, Add	*76.91*	
26 05 33 13-1554	EA	4" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow	391.35	103.31
		For Schedule 80, Add	*85.32*	
26 05 33 13-1555		**Schedule 40 Polyvinyl Chloride (PVC) Conduit 36" Large Radius Elbow** *(26 05 33 13-1488)*		
26 05 33 13-1556	EA	1" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	107.77	28.45
		For Schedule 80, Add	*23.49*	
26 05 33 13-1557	EA	1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	136.17	32.94
		For Schedule 80, Add	*31.19*	
26 05 33 13-1558	EA	1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	148.80	37.43
		For Schedule 80, Add	*33.37*	
26 05 33 13-1559	EA	2" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	160.33	41.18
		For Schedule 80, Add	*35.53*	
26 05 33 13-1560	EA	2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	235.93	51.66
		For Schedule 80, Add	*56.75*	
26 05 33 13-1561	EA	3" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	329.32	70.37
		For Schedule 80, Add	*80.07*	
26 05 33 13-1562	EA	3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	379.30	79.35
		For Schedule 80, Add	*93.08*	
26 05 33 13-1563	EA	4" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	446.04	103.31
		For Schedule 80, Add	*104.46*	
26 05 33 13-1564	EA	5" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	714.54	168.16
		For Schedule 80, Add	*165.86*	
26 05 33 13-1565	EA	6" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	1,047.79	253.40
		For Schedule 80, Add	*240.20*	
26 05 33 13-1566		**Schedule 40 Polyvinyl Chloride (PVC) Conduit 48" Large Radius Elbow** *(26 05 33 13-1488)*		
26 05 33 13-1567	EA	1" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	118.86	28.45
		For Schedule 80, Add	*27.38*	
26 05 33 13-1568	EA	1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	139.14	32.94
		For Schedule 80, Add	*32.23*	
26 05 33 13-1569	EA	1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	157.73	37.43
		For Schedule 80, Add	*36.49*	
26 05 33 13-1570	EA	2" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	191.17	41.18
		For Schedule 80, Add	*46.32*	
26 05 33 13-1571	EA	2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	258.03	51.66
		For Schedule 80, Add	*64.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1572	EA	3" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	365.60	70.37
		For Schedule 80, Add	*92.77*	
26 05 33 13-1573	EA	3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	413.99	79.35
		For Schedule 80, Add	*105.22*	
26 05 33 13-1574	EA	4" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	506.24	103.31
		For Schedule 80, Add	*125.53*	
26 05 33 13-1575	EA	5" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	749.76	168.16
		For Schedule 80, Add	*178.19*	
26 05 33 13-1576	EA	6" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	1,076.30	253.40
		For Schedule 80, Add	*250.18*	

26 05 33 13-1577 Polyvinyl Chloride (PVC) Conduit Female Adapters *(26 05 33 13-1488)*

26 05 33 13-1578	EA	1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter	16.10	6.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.62*	
26 05 33 13-1579	EA	3/4" Polyvinyl Chloride (PVC) Conduit Female Adapter	18.54	7.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.27*	
26 05 33 13-1580	EA	1" Polyvinyl Chloride (PVC) Conduit Female Adapter	21.09	7.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.93*	
26 05 33 13-1581	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Female Adapter	23.80	8.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.59*	
26 05 33 13-1582	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter	29.44	10.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.24*	
26 05 33 13-1583	EA	2" Polyvinyl Chloride (PVC) Conduit Female Adapter	35.78	13.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.89*	
26 05 33 13-1584	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter	49.14	17.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.18*	
26 05 33 13-1585	EA	3" Polyvinyl Chloride (PVC) Conduit Female Adapter	62.01	21.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.48*	
26 05 33 13-1586	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter	80.41	28.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.43*	
26 05 33 13-1587	EA	4" Polyvinyl Chloride (PVC) Conduit Female Adapter	97.28	35.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.37*	
26 05 33 13-1588	EA	5" Polyvinyl Chloride (PVC) Conduit Female Adapter	128.82	43.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.96*	
26 05 33 13-1589	EA	6" Polyvinyl Chloride (PVC) Conduit Female Adapter	160.20	54.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.20*	

26 05 33 13-1590 Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug *(26 05 33 13-1488)*

26 05 33 13-1591	EA	1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	18.95	5.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.95*	
26 05 33 13-1592	EA	3/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	21.57	6.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.62*	
26 05 33 13-1593	EA	1" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	24.21	7.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.27*	
26 05 33 13-1594	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	28.87	7.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.93*	
26 05 33 13-1595	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	32.19	8.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.59*	
26 05 33 13-1596	EA	2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	38.69	10.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.58*	
26 05 33 13-1597	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	43.28	11.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.57*	
26 05 33 13-1598	EA	3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	48.97	13.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.89*	
26 05 33 13-1599	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	58.04	15.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.54*	
26 05 33 13-1600	EA	4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	63.94	17.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.18*	
26 05 33 13-1601	EA	5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	81.11	19.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.83*	
26 05 33 13-1602	EA	6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	91.25	21.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.48*	

26 05 33 13-1603 Polyvinyl Chloride (PVC) Conduit Terminal Adapters *(26 05 33 13-1488)*

26 05 33 13-1604	EA	1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	17.49	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.07*	
26 05 33 13-1605	EA	3/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	21.22	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.08*	
26 05 33 13-1606	EA	1" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	23.66	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.75*	
26 05 33 13-1607	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	26.60	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.52*	
26 05 33 13-1608	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	29.19	10.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.24*	
26 05 33 13-1609	EA	2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	35.44	13.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.89*	
26 05 33 13-1610	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	48.46	17.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.18*	
26 05 33 13-1611	EA	3" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	61.06	21.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1612	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	79.20	28.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.43*	
26 05 33 13-1613	EA	4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	96.04	35.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.37*	
26 05 33 13-1614	EA	5" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	126.38	43.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.96*	
26 05 33 13-1615	EA	6" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	157.27	54.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.20*	

26 05 33 13-1616 Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover *(26 05 33 13-1488)*

26 05 33 13-1617	EA	1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	50.54	17.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.18*	
26 05 33 13-1618	EA	3/4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	58.78	19.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.83*	
26 05 33 13-1619	EA	1" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	65.26	21.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.48*	
26 05 33 13-1620	EA	1-1/4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	80.68	26.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.78*	
26 05 33 13-1621	EA	1-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	99.67	32.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.72*	
26 05 33 13-1622	EA	2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	129.51	39.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.66*	
26 05 33 13-1623	EA	2-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	224.81	43.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.96*	
26 05 33 13-1624	EA	3" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	239.81	48.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.26*	
26 05 33 13-1625	EA	3-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	260.26	54.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.20*	
26 05 33 13-1626	EA	4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	290.26	63.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.79*	

26 05 33 13-1627 Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover *(26 05 33 13-1488)*

26 05 33 13-1628	EA	1/2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover	66.37	23.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.28*	
26 05 33 13-1629	EA	3/4" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover	74.35	25.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.00*	
26 05 33 13-1630	EA	1" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover	80.36	27.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.73*	
26 05 33 13-1631	EA	1-1/4" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover	100.95	32.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.19*	
26 05 33 13-1632	EA	1-1/2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover	121.90	39.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.37*	
26 05 33 13-1633	EA	2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover	150.26	46.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.55*	

26 05 33 13-1634 Polyvinyl Chloride (PVC) Conduit Expansion Joint *(26 05 33 13-1488)*

26 05 33 13-1635	EA	1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	111.33	21.98
26 05 33 13-1636	EA	3/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint	123.74	26.36
26 05 33 13-1637	EA	1" Polyvinyl Chloride (PVC) Conduit Expansion Joint	137.01	30.76
26 05 33 13-1638	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint	149.42	35.16
26 05 33 13-1639	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	161.50	39.55
26 05 33 13-1640	EA	2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	176.27	43.94
26 05 33 13-1641	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	216.13	50.54
26 05 33 13-1642	EA	3" Polyvinyl Chloride (PVC) Conduit Expansion Joint	259.34	57.13
26 05 33 13-1643	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	303.68	65.92
26 05 33 13-1644	EA	4" Polyvinyl Chloride (PVC) Conduit Expansion Joint	361.45	76.91
26 05 33 13-1645	EA	5" Polyvinyl Chloride (PVC) Conduit Expansion Joint	479.12	92.29
26 05 33 13-1646	EA	6" Polyvinyl Chloride (PVC) Conduit Expansion Joint	630.35	118.65

26 05 33 13-1647 Polyvinyl Chloride (PVC) Conduit End Caps *(26 05 33 13-1488)*

26 05 33 13-1648	EA	1/2" Polyvinyl Chloride (PVC) Conduit End Cap	13.95	4.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.30*	
26 05 33 13-1649	EA	3/4" Polyvinyl Chloride (PVC) Conduit End Cap	16.48	5.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.95*	
26 05 33 13-1650	EA	1" Polyvinyl Chloride (PVC) Conduit End Cap	18.95	6.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.62*	
26 05 33 13-1651	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit End Cap	22.70	7.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.27*	
26 05 33 13-1652	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit End Cap	26.51	7.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.93*	
26 05 33 13-1653	EA	2" Polyvinyl Chloride (PVC) Conduit End Cap	31.40	8.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.59*	
26 05 33 13-1654	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit End Cap	45.23	10.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.58*	
26 05 33 13-1655	EA	3" Polyvinyl Chloride (PVC) Conduit End Cap	49.48	11.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1656	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit End Cap	63.56	12.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.56*	
26 05 33 13-1657	EA	4" Polyvinyl Chloride (PVC) Conduit End Cap	77.20	13.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.22*	
26 05 33 13-1658	EA	5" Polyvinyl Chloride (PVC) Conduit End Cap	89.79	15.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.54*	
26 05 33 13-1659	EA	6" Polyvinyl Chloride (PVC) Conduit End Cap	113.91	17.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.18*	
26 05 33 13-1660		**Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Bodies With Cover (Smart Pathways)** *(26 05 33 13-1488)*		
26 05 33 13-1661	EA	2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways EZLB200)	137.74	39.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.66*	
26 05 33 13-1662	EA	3/4" To 1-1/4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB121)	144.39	26.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.78*	
26 05 33 13-1663	EA	1-1/2" To 2-1/2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB251)	350.42	43.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.96*	
26 05 33 13-1664	EA	3" To 4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB401)	682.73	63.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.79*	
26 05 33 13-1665		**Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit** *(26 05 33 13-0059)* Note: Exposed installation. Excludes supporting strap, hanger and fastening.		
26 05 33 13-1666		**Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit** *(26 05 33 13-1665)* Note: Includes field bending conduit up to and including 1".		
26 05 33 13-1667	LF	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	8.51	1.80
26 05 33 13-1668	LF	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	9.45	1.97
26 05 33 13-1669	LF	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	10.54	2.28
26 05 33 13-1670	LF	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	11.62	2.63
26 05 33 13-1671	LF	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	13.12	3.07
26 05 33 13-1672	LF	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	14.36	3.52
26 05 33 13-1673	LF	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	17.12	4.18
26 05 33 13-1674	LF	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	20.11	4.84
26 05 33 13-1675	LF	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	23.30	5.71
26 05 33 13-1676	LF	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	27.61	7.03
26 05 33 13-1677	LF	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	37.24	9.89
26 05 33 13-1678	LF	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	48.62	13.18
26 05 33 13-1679		**Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbows, 12" Large Radius Elbows** *(26 05 33 13-1665)*		
26 05 33 13-1680	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	95.98	8.78
		For 24" Radius, Add	*6.65*	
		For 36" Radius, Add	*9.60*	
		For 48" Radius, Add	*12.55*	
26 05 33 13-1681	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	107.02	9.67
		For 24" Radius, Add	*7.42*	
		For 36" Radius, Add	*10.70*	
		For 48" Radius, Add	*13.98*	
26 05 33 13-1682	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	111.15	10.99
		For 24" Radius, Add	*7.65*	
		For 36" Radius, Add	*11.12*	
		For 48" Radius, Add	*14.58*	
26 05 33 13-1683	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	119.66	14.06
		For 24" Radius, Add	*8.10*	
		For 36" Radius, Add	*11.97*	
		For 48" Radius, Add	*15.84*	
26 05 33 13-1684	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	129.28	17.58
		For 24" Radius, Add	*8.60*	
		For 36" Radius, Add	*12.93*	
		For 48" Radius, Add	*17.26*	
26 05 33 13-1685	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	152.04	21.98
		For 24" Radius, Add	*10.03*	
		For 36" Radius, Add	*15.20*	
		For 48" Radius, Add	*20.38*	
26 05 33 13-1686	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	182.15	26.36
		For 24" Radius, Add	*12.01*	
		For 36" Radius, Add	*18.22*	
		For 48" Radius, Add	*24.42*	
26 05 33 13-1687	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	216.39	30.76
		For 24" Radius, Add	*14.31*	
		For 36" Radius, Add	*21.64*	
		For 48" Radius, Add	*28.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1688	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	250.30	37.35
		For 24" Radius, Add	*16.44*	
		For 36" Radius, Add	*25.03*	
		For 48" Radius, Add	*33.62*	
26 05 33 13-1689	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	284.22	43.94
		For 24" Radius, Add	*18.57*	
		For 36" Radius, Add	*28.42*	
		For 48" Radius, Add	*38.27*	
26 05 33 13-1690	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	355.27	54.93
		For 24" Radius, Add	*23.21*	
		For 36" Radius, Add	*35.53*	
		For 48" Radius, Add	*47.84*	
26 05 33 13-1691	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	437.22	65.92
		For 24" Radius, Add	*28.67*	
		For 36" Radius, Add	*43.72*	
		For 48" Radius, Add	*58.77*	

26 05 33 13-1692 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbows, 12" Large Radius Elbows *(26 05 33 13-1665)*

26 05 33 13-1693	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	82.66	8.78
		For 24" Radius, Add	*5.65*	
		For 36" Radius, Add	*8.27*	
		For 48" Radius, Add	*10.88*	
26 05 33 13-1694	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	92.10	9.67
		For 24" Radius, Add	*6.30*	
		For 36" Radius, Add	*9.21*	
		For 48" Radius, Add	*12.12*	
26 05 33 13-1695	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	96.08	10.99
		For 24" Radius, Add	*6.52*	
		For 36" Radius, Add	*9.61*	
		For 48" Radius, Add	*12.70*	
26 05 33 13-1696	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	104.45	14.06
		For 24" Radius, Add	*6.95*	
		For 36" Radius, Add	*10.45*	
		For 48" Radius, Add	*13.94*	
26 05 33 13-1697	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	113.92	17.58
		For 24" Radius, Add	*7.45*	
		For 36" Radius, Add	*11.39*	
		For 48" Radius, Add	*15.34*	
26 05 33 13-1698	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	134.56	21.98
		For 24" Radius, Add	*8.72*	
		For 36" Radius, Add	*13.46*	
		For 48" Radius, Add	*18.19*	
26 05 33 13-1699	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	161.23	26.36
		For 24" Radius, Add	*10.44*	
		For 36" Radius, Add	*16.12*	
		For 48" Radius, Add	*21.80*	
26 05 33 13-1700	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	191.28	30.76
		For 24" Radius, Add	*12.42*	
		For 36" Radius, Add	*19.13*	
		For 48" Radius, Add	*25.83*	
26 05 33 13-1701	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	222.05	37.35
		For 24" Radius, Add	*14.32*	
		For 36" Radius, Add	*22.21*	
		For 48" Radius, Add	*30.09*	
26 05 33 13-1702	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	252.84	43.94
		For 24" Radius, Add	*16.22*	
		For 36" Radius, Add	*25.28*	
		For 48" Radius, Add	*34.35*	
26 05 33 13-1703	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	316.04	54.93
		For 24" Radius, Add	*20.27*	
		For 36" Radius, Add	*31.60*	
		For 48" Radius, Add	*42.94*	
26 05 33 13-1704	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	388.19	65.92
		For 24" Radius, Add	*24.99*	
		For 36" Radius, Add	*38.82*	
		For 48" Radius, Add	*52.64*	

26 05 33 13-1705 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbows, 12" Large Radius Elbows *(26 05 33 13-1665)*

26 05 33 13-1706	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	76.75	7.91
		For 24" Radius, Add	*5.26*	
		For 36" Radius, Add	*7.68*	
		For 48" Radius, Add	*10.09*	
26 05 33 13-1707	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	85.55	8.70
		For 24" Radius, Add	*5.87*	
		For 36" Radius, Add	*8.56*	
		For 48" Radius, Add	*11.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1708	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	89.16	9.89
		For 24" Radius, Add	*6.07*	
		For 36" Radius, Add	*8.92*	
		For 48" Radius, Add	*11.76*	
26 05 33 13-1709	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	96.71	12.66
		For 24" Radius, Add	*6.46*	
		For 36" Radius, Add	*9.67*	
		For 48" Radius, Add	*12.88*	
26 05 33 13-1710	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	105.26	15.82
		For 24" Radius, Add	*6.91*	
		For 36" Radius, Add	*10.53*	
		For 48" Radius, Add	*14.15*	
26 05 33 13-1711	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	124.22	19.77
		For 24" Radius, Add	*8.08*	
		For 36" Radius, Add	*12.42*	
		For 48" Radius, Add	*16.76*	
26 05 33 13-1712	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	148.83	23.73
		For 24" Radius, Add	*9.68*	
		For 36" Radius, Add	*14.88*	
		For 48" Radius, Add	*20.09*	
26 05 33 13-1713	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	176.61	27.69
		For 24" Radius, Add	*11.52*	
		For 36" Radius, Add	*17.66*	
		For 48" Radius, Add	*23.81*	
26 05 33 13-1714	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	204.88	33.61
		For 24" Radius, Add	*13.26*	
		For 36" Radius, Add	*20.49*	
		For 48" Radius, Add	*27.71*	
26 05 33 13-1715	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	233.13	39.55
		For 24" Radius, Add	*15.01*	
		For 36" Radius, Add	*23.31*	
		For 48" Radius, Add	*31.61*	
26 05 33 13-1716	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	291.41	49.44
		For 24" Radius, Add	*18.77*	
		For 36" Radius, Add	*29.14*	
		For 48" Radius, Add	*39.52*	
26 05 33 13-1717	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	358.09	59.33
		For 24" Radius, Add	*23.15*	
		For 36" Radius, Add	*35.81*	
		For 48" Radius, Add	*48.47*	

26 05 33 13-1718 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbows, 12" Large Radius Elbows *(26 05 33 13-1665)*

26 05 33 13-1719	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	73.05	7.91
		For 24" Radius, Add	*4.98*	
		For 36" Radius, Add	*7.31*	
		For 48" Radius, Add	*9.63*	
26 05 33 13-1720	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	81.41	8.70
		For 24" Radius, Add	*5.56*	
		For 36" Radius, Add	*8.14*	
		For 48" Radius, Add	*10.72*	
26 05 33 13-1721	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	84.98	9.89
		For 24" Radius, Add	*5.76*	
		For 36" Radius, Add	*8.50*	
		For 48" Radius, Add	*11.24*	
26 05 33 13-1722	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	92.48	12.66
		For 24" Radius, Add	*6.15*	
		For 36" Radius, Add	*9.25*	
		For 48" Radius, Add	*12.35*	
26 05 33 13-1723	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	101.00	15.82
		For 24" Radius, Add	*6.59*	
		For 36" Radius, Add	*10.10*	
		For 48" Radius, Add	*13.61*	
26 05 33 13-1724	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	119.36	19.77
		For 24" Radius, Add	*7.72*	
		For 36" Radius, Add	*11.94*	
		For 48" Radius, Add	*16.16*	
26 05 33 13-1725	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	143.02	23.73
		For 24" Radius, Add	*9.24*	
		For 36" Radius, Add	*14.30*	
		For 48" Radius, Add	*19.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1726	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	169.64	27.69
		For 24" Radius, Add	*10.99*	
		For 36" Radius, Add	*16.96*	
		For 48" Radius, Add	*22.94*	
26 05 33 13-1727	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	197.03	33.61
		For 24" Radius, Add	*12.68*	
		For 36" Radius, Add	*19.70*	
		For 48" Radius, Add	*26.73*	
26 05 33 13-1728	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	224.41	39.55
		For 24" Radius, Add	*14.36*	
		For 36" Radius, Add	*22.44*	
		For 48" Radius, Add	*30.52*	
26 05 33 13-1729	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	280.52	49.44
		For 24" Radius, Add	*17.95*	
		For 36" Radius, Add	*28.05*	
		For 48" Radius, Add	*38.16*	
26 05 33 13-1730	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	344.46	59.33
		For 24" Radius, Add	*22.13*	
		For 36" Radius, Add	*34.45*	
		For 48" Radius, Add	*46.77*	

26 05 33 13-1731 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Couplings *(26 05 33 13-1665)*

26 05 33 13-1732	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	46.03	6.15
26 05 33 13-1733	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	51.72	7.03
26 05 33 13-1734	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	54.26	7.91
26 05 33 13-1735	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	56.76	8.78
26 05 33 13-1736	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	62.94	10.99
26 05 33 13-1737	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	75.21	13.18
26 05 33 13-1738	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	94.79	17.58
26 05 33 13-1739	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	115.95	21.98
26 05 33 13-1740	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	140.07	28.57
26 05 33 13-1741	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	164.17	35.16
26 05 33 13-1742	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	205.21	43.94
26 05 33 13-1743	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	256.47	54.93

26 05 33 13-1744 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Couplings *(26 05 33 13-1665)*

26 05 33 13-1745	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	32.68	6.15
26 05 33 13-1746	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	36.79	7.03
26 05 33 13-1747	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	39.18	7.91
26 05 33 13-1748	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	41.60	8.78
26 05 33 13-1749	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	47.28	10.99
26 05 33 13-1750	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	52.90	13.18
26 05 33 13-1751	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	67.86	17.58
26 05 33 13-1752	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	83.64	21.98
26 05 33 13-1753	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	103.72	28.57
26 05 33 13-1754	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	123.78	35.16
26 05 33 13-1755	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	154.77	43.94
26 05 33 13-1756	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	193.41	54.93

26 05 33 13-1757 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Couplings *(26 05 33 13-1665)*

26 05 33 13-1758	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	36.88	5.06
26 05 33 13-1759	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	41.47	7.03
26 05 33 13-1760	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	43.92	7.91
26 05 33 13-1761	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	46.27	8.78
26 05 33 13-1762	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	52.31	10.99
26 05 33 13-1763	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	62.54	13.18
26 05 33 13-1764	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	79.42	17.58
26 05 33 13-1765	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	97.50	21.98
26 05 33 13-1766	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	119.31	28.57
26 05 33 13-1767	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	141.09	35.16
26 05 33 13-1768	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	176.36	43.94
26 05 33 13-1769	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	220.47	54.93

26 05 33 13-1770 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joints *(26 05 33 13-1665)*

26 05 33 13-1771	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	78.61	21.98
26 05 33 13-1772	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	92.19	26.36
26 05 33 13-1773	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	103.47	30.76
26 05 33 13-1774	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	114.62	35.16

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1775		EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	126.22	39.55
26 05 33 13-1776		EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	142.41	43.94
26 05 33 13-1777		EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	165.41	50.54
26 05 33 13-1778		EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	189.69	57.13
26 05 33 13-1779		EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	217.53	65.92
26 05 33 13-1780		EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	250.84	76.91
26 05 33 13-1781		EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	292.96	87.89
26 05 33 13-1782		EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	338.73	98.88

26 05 33 13-1783 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joints *(26 05 33 13-1665)*

26 05 33 13-1784		EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	88.23	21.98
26 05 33 13-1785		EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	102.97	26.36
26 05 33 13-1786		EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	114.31	30.76
26 05 33 13-1787		EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	125.58	35.16
26 05 33 13-1788		EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	137.27	39.55
26 05 33 13-1789		EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	155.03	43.94
26 05 33 13-1790		EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	180.54	50.54
26 05 33 13-1791		EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	207.85	57.13
26 05 33 13-1792		EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	237.97	65.92
26 05 33 13-1793		EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	273.57	76.91
26 05 33 13-1794		EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	321.44	87.89
26 05 33 13-1795		EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	374.32	98.88

26 05 33 13-1796 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapters *(26 05 33 13-1665)*

26 05 33 13-1797		EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	94.57	6.15
26 05 33 13-1798		EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	105.54	7.03
26 05 33 13-1799		EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	110.43	7.91
26 05 33 13-1800		EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	115.46	8.78
26 05 33 13-1801		EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	122.39	10.99
26 05 33 13-1802		EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	136.93	13.18
26 05 33 13-1803		EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	168.72	17.58
26 05 33 13-1804		EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	204.58	21.98
26 05 33 13-1805		EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	239.78	28.57
26 05 33 13-1806		EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	274.97	35.16
26 05 33 13-1807		EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	343.79	43.94
26 05 33 13-1808		EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	427.91	54.93

26 05 33 13-1809 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joints *(26 05 33 13-1665)*

26 05 33 13-1810		EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	104.95	21.98
26 05 33 13-1811		EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	121.51	26.36
26 05 33 13-1812		EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	145.58	30.76
26 05 33 13-1813		EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	180.48	35.16
26 05 33 13-1814		EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	225.80	39.55
26 05 33 13-1815		EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	297.97	43.94
26 05 33 13-1816		EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	422.34	50.54
26 05 33 13-1817		EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	509.85	57.13
26 05 33 13-1818		EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	616.19	65.92
26 05 33 13-1819		EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	728.01	76.91
26 05 33 13-1820		EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	856.11	87.89
26 05 33 13-1821		EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	1,327.56	98.88

26 05 33 13-1822 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover *(26 05 33 13-1665)*

26 05 33 13-1823		EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	88.22	17.58
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.18*	
26 05 33 13-1824		EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	102.24	19.77
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.83*	
26 05 33 13-1825		EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	135.44	21.98
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.48*	
26 05 33 13-1826		EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	165.37	26.36
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.78*	
26 05 33 13-1827		EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	210.26	32.96
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.72*	
26 05 33 13-1828		EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	288.31	39.55
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.66*	
26 05 33 13-1829		EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	470.55	46.15
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1830	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	605.43	52.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*39.55*	
26 05 33 13-1831	EA	3-1/2" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover	728.03	61.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*46.14*	
26 05 33 13-1832	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	850.65	70.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.74*	
26 05 33 13-1833	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	1,002.86	79.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*59.33*	
26 05 33 13-1834	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	1,137.31	87.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*65.92*	

26 05 33 13-1835 Explosion Proof Conduit Fittings *(26 05 33 13-0059)*

Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT) and Intermediate Metal Conduit (IMC) conduit.

26 05 33 13-1836 Explosion Proof Malleable Iron Conduit Unions *(26 05 33 13-1835)*

26 05 33 13-1837	EA	1/2" Explosion Proof Malleable Iron Conduit Union	41.25	9.60
26 05 33 13-1838	EA	3/4" Explosion Proof Malleable Iron Conduit Union	50.28	10.61
26 05 33 13-1839	EA	1" Explosion Proof Malleable Iron Conduit Union	78.48	14.14
26 05 33 13-1840	EA	1-1/4" Explosion Proof Malleable Iron Conduit Union	102.44	15.66
26 05 33 13-1841	EA	1-1/2" Explosion Proof Malleable Iron Conduit Union	128.66	19.19
26 05 33 13-1842	EA	2" Explosion Proof Malleable Iron Conduit Union	159.47	22.22
26 05 33 13-1843	EA	2-1/2" Explosion Proof Malleable Iron Conduit Union	241.72	31.77
26 05 33 13-1844	EA	3" Explosion Proof Malleable Iron Conduit Union	306.01	37.82
26 05 33 13-1845	EA	3-1/2" Explosion Proof Malleable Iron Conduit Union	505.22	45.39
26 05 33 13-1846	EA	4" Explosion Proof Malleable Iron Conduit Union	540.56	57.99

26 05 33 13-1847 Explosion Proof Malleable Iron Conduit Bodies *(26 05 33 13-1835)*

26 05 33 13-1848	EA	1/2" Explosion Proof Malleable Iron Two Hub Conduit Body	144.35	30.30
26 05 33 13-1849	EA	3/4" Explosion Proof Malleable Iron Two Hub Conduit Body	162.80	34.35
26 05 33 13-1850	EA	1" Explosion Proof Malleable Iron Two Hub Conduit Conduit Body	189.55	37.88
26 05 33 13-1851	EA	1/2" Explosion Proof Malleable Iron Three Hub Conduit Body	164.59	37.88
26 05 33 13-1852	EA	3/4" Explosion Proof Malleable Iron Three Hub Conduit Body	196.25	45.46
26 05 33 13-1853	EA	1" Explosion Proof Malleable Iron Three Hub Conduit Body	231.41	52.02

26 05 33 13-1854 Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical *(26 05 33 13-1835)*

Note: Includes sealing gasket and lock nut.

26 05 33 13-1855	EA	1/2" x 1" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	119.47	25.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.94*	
26 05 33 13-1856	EA	3/4" x 1" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	123.24	28.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.21*	
26 05 33 13-1857	EA	1" x 1-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	134.49	30.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.11*	
26 05 33 13-1858	EA	1-1/4" x 2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	172.07	37.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.41*	
26 05 33 13-1859	EA	1-1/2" x 2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	217.86	44.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.33*	
26 05 33 13-1860	EA	2" x 2-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	276.95	50.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.88*	
26 05 33 13-1861	EA	2-1/2" x 3" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	396.03	75.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.73*	
26 05 33 13-1862	EA	3" x 4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	500.18	94.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.10*	
26 05 33 13-1863	EA	3-1/2" x 4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	692.87	104.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.29*	
26 05 33 13-1864	EA	4" x 5" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	884.30	113.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*85.10*	

26 05 33 13-1865 Explosion Proof Flexible Conduit Couplings *(26 05 33 13-1835)*

26 05 33 13-1866	EA	1/2" x 12" Explosion Proof Flexible Conduit Coupling	294.55	11.61
26 05 33 13-1867	EA	3/4" x 15" Explosion Proof Flexible Conduit Coupling	384.44	13.13

26 05 33 13-1868 Conduit Installed Below Grade *(26 05 33 13-0058)*

Note: By direct burial In trench or in concrete slabs or duct banks. Includes detectable warning tape for underground conduits. Excludes trenching, backfilling and concrete.

26 05 33 13-1869 Schedule 40 Polyvinyl Chloride (PVC) Conduit, Direct Burial *(26 05 33 13-1868)*

26 05 33 13-1870 Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial *(26 05 33 13-1869)*

Note: Includes field bend conduit up to and including 1". See CSI section 26 05 33 13-2329 for field bending >1".

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1871		LF	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	4.62	
			For Schedule 60, Add	*0.44*	
			For Schedule 80, Add	*0.72*	
26 05 33 13-1872		LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	5.25	
			For Schedule 60, Add	*0.54*	
			For Schedule 80, Add	*0.88*	
26 05 33 13-1873		LF	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	6.22	
			For Schedule 60, Add	*0.73*	
			For Schedule 80, Add	*1.15*	
26 05 33 13-1874		LF	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	7.20	
			For Schedule 60, Add	*0.92*	
			For Schedule 80, Add	*1.42*	
26 05 33 13-1875		LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	8.03	
			For Schedule 60, Add	*1.07*	
			For Schedule 80, Add	*1.64*	
26 05 33 13-1876		LF	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	9.37	
			For Schedule 60, Add	*1.35*	
			For Schedule 80, Add	*2.04*	
26 05 33 13-1877		LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	12.28	
			For Schedule 60, Add	*2.03*	
			For Schedule 80, Add	*2.99*	
26 05 33 13-1878		LF	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	13.90	
			For Schedule 60, Add	*2.38*	
			For Schedule 80, Add	*3.49*	
26 05 33 13-1879		LF	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	16.52	
			For Schedule 60, Add	*2.98*	
			For Schedule 80, Add	*4.34*	
26 05 33 13-1880		LF	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	17.85	
			For Schedule 60, Add	*3.25*	
			For Schedule 80, Add	*4.74*	
26 05 33 13-1881		LF	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	23.54	
			For Schedule 60, Add	*4.62*	
			For Schedule 80, Add	*6.66*	
26 05 33 13-1882		LF	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	29.33	
			For Schedule 60, Add	*6.01*	
			For Schedule 80, Add	*8.62*	

26 05 33 13-1883 Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows, Direct Burial *(26 05 33 13-1869)*

See CSI section 26 05 33 13-2329 for conduit field bending.

26 05 33 13-1884		EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	29.00	
			For Schedule 60, Add	*1.76*	
			For Schedule 80, Add	*3.29*	
26 05 33 13-1885		EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	34.80	
			For Schedule 60, Add	*2.11*	
			For Schedule 80, Add	*3.94*	
26 05 33 13-1886		EA	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	41.33	
			For Schedule 60, Add	*2.64*	
			For Schedule 80, Add	*4.85*	
26 05 33 13-1887		EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	48.09	
			For Schedule 60, Add	*3.23*	
			For Schedule 80, Add	*5.85*	
26 05 33 13-1888		EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	55.07	
			For Schedule 60, Add	*3.88*	
			For Schedule 80, Add	*6.91*	
26 05 33 13-1889		EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	62.71	
			For Schedule 60, Add	*4.69*	
			For Schedule 80, Add	*8.22*	
26 05 33 13-1890		EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	74.21	
			For Schedule 60, Add	*6.47*	
			For Schedule 80, Add	*10.87*	
26 05 33 13-1891		EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	88.45	
			For Schedule 60, Add	*8.93*	
			For Schedule 80, Add	*14.48*	
26 05 33 13-1892		EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	108.25	
			For Schedule 60, Add	*11.68*	
			For Schedule 80, Add	*18.66*	
26 05 33 13-1893		EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	128.21	
			For Schedule 60, Add	*14.47*	
			For Schedule 80, Add	*22.90*	
26 05 33 13-1894		EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	169.92	
			For Schedule 60, Add	*22.70*	
			For Schedule 80, Add	*34.75*	
26 05 33 13-1895		EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	200.43	
			For Schedule 60, Add	*28.13*	
			For Schedule 80, Add	*42.68*	

26 05 33 13-1896 Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbows, Direct Burial *(26 05 33 13-1869)*

See CSI section 26 05 33 13-2329 for conduit field bending.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1897	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	29.00	
		For Schedule 60, Add	*1.76*	
		For Schedule 80, Add	*3.29*	
26 05 33 13-1898	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	34.69	
		For Schedule 60, Add	*2.08*	
		For Schedule 80, Add	*3.90*	
26 05 33 13-1899	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	41.17	
		For Schedule 60, Add	*2.60*	
		For Schedule 80, Add	*4.80*	
26 05 33 13-1900	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	47.65	
		For Schedule 60, Add	*3.12*	
		For Schedule 80, Add	*5.69*	
26 05 33 13-1901	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	54.07	
		For Schedule 60, Add	*3.63*	
		For Schedule 80, Add	*6.56*	
26 05 33 13-1902	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	62.18	
		For Schedule 60, Add	*4.56*	
		For Schedule 80, Add	*8.03*	
26 05 33 13-1903	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	73.21	
		For Schedule 60, Add	*6.22*	
		For Schedule 80, Add	*10.52*	
26 05 33 13-1904	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	87.18	
		For Schedule 60, Add	*8.61*	
		For Schedule 80, Add	*14.03*	
26 05 33 13-1905	EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	104.68	
		For Schedule 60, Add	*10.79*	
		For Schedule 80, Add	*17.41*	
26 05 33 13-1906	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	125.14	
		For Schedule 60, Add	*13.71*	
		For Schedule 80, Add	*21.83*	
26 05 33 13-1907	EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	165.95	
		For Schedule 60, Add	*21.71*	
		For Schedule 80, Add	*33.36*	
26 05 33 13-1908	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	188.61	
		For Schedule 60, Add	*25.18*	
		For Schedule 80, Add	*38.55*	

26 05 33 13-1909 Polyvinyl Chloride (PVC) Conduit Female Adapters, Direct Burial *(26 05 33 13-1869)*

26 05 33 13-1910	EA	1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	16.10	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.62*	
26 05 33 13-1911	EA	3/4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	18.54	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.27*	
26 05 33 13-1912	EA	1" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	21.09	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.93*	
26 05 33 13-1913	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	23.80	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.59*	
26 05 33 13-1914	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	26.15	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.25*	
26 05 33 13-1915	EA	2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	29.18	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.91*	
26 05 33 13-1916	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	34.87	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.90*	
26 05 33 13-1917	EA	3" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	40.04	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.89*	
26 05 33 13-1918	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	47.44	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.54*	
26 05 33 13-1919	EA	4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	53.33	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.18*	
26 05 33 13-1920	EA	5" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	68.39	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.83*	
26 05 33 13-1921	EA	6" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	77.80	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.48*	

26 05 33 13-1922 Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug, Direct Burial *(26 05 33 13-1869)*

26 05 33 13-1923	EA	1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	18.95
26 05 33 13-1924	EA	3/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	21.57
26 05 33 13-1925	EA	1" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	24.21
26 05 33 13-1926	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	31.08
26 05 33 13-1927	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	34.38
26 05 33 13-1928	EA	2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	38.69
26 05 33 13-1929	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	43.28
26 05 33 13-1930	EA	3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	48.97
26 05 33 13-1931	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	58.04
26 05 33 13-1932	EA	4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	63.94
26 05 33 13-1933	EA	5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	81.11
26 05 33 13-1934	EA	6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	91.25

26 05 33 13-1935 Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial *(26 05 33 13-1869)*

26 05 33 13-1936	EA	1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial	15.98

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1937		EA	3/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial	18.54	
26 05 33 13-1938		EA	1" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial	20.93	
26 05 33 13-1939		EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial	23.52	
26 05 33 13-1940		EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	25.90	
26 05 33 13-1941		EA	2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	28.84	
26 05 33 13-1942		EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	34.19	
26 05 33 13-1943		EA	3" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	39.09	
26 05 33 13-1944		EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	46.23	
26 05 33 13-1945		EA	4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	52.09	
26 05 33 13-1946		EA	5" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	65.95	
26 05 33 13-1947		EA	6" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	74.87	

26 05 33 13-1948 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial *(26 05 33 13-1868)*

Note: 40 mil Polyvinyl Chloride (PVC) coated, 2 mil urethane lined (Ocal Blue, Crouse-Hinds, Appleton or O-Z/Gedney).

26 05 33 13-1949 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial *(26 05 33 13-1948)*

Note: Includes field bending for conduit up to and including 1". See CSI section 26 05 33 13-2319 for field bending >1".

26 05 33 13-1950		LF	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	12.29	2.42
			For >250 To 500, Deduct	*-0.46*	
			For >500 To 1,000, Deduct	*-0.76*	
			For >1,000, Deduct	*-1.07*	
26 05 33 13-1951		LF	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	13.80	3.00
			For >250 To 500, Deduct	*-0.52*	
			For >500 To 1,000, Deduct	*-0.86*	
			For >1,000, Deduct	*-1.21*	
26 05 33 13-1952		LF	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	16.98	3.34
			For >250 To 500, Deduct	*-0.65*	
			For >500 To 1,000, Deduct	*-1.07*	
			For >1,000, Deduct	*-1.50*	
26 05 33 13-1953		LF	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	20.52	4.49
			For >250 To 500, Deduct	*-0.80*	
			For >500 To 1,000, Deduct	*-1.31*	
			For >1,000, Deduct	*-1.82*	
26 05 33 13-1954		LF	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	24.12	5.07
			For >250 To 500, Deduct	*-0.95*	
			For >500 To 1,000, Deduct	*-1.55*	
			For >1,000, Deduct	*-2.15*	
26 05 33 13-1955		LF	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	30.59	5.53
			For >250 To 500, Deduct	*-1.21*	
			For >500 To 1,000, Deduct	*-1.98*	
			For >1,000, Deduct	*-2.74*	
26 05 33 13-1956		LF	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	44.45	8.29
			For >250 To 500, Deduct	*-1.79*	
			For >500 To 1,000, Deduct	*-2.90*	
			For >1,000, Deduct	*-4.01*	
26 05 33 13-1957		LF	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	57.31	10.37
			For >250 To 500, Deduct	*-2.29*	
			For >500 To 1,000, Deduct	*-3.72*	
			For >1,000, Deduct	*-5.16*	
26 05 33 13-1958		LF	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	70.71	10.95
			For >250 To 500, Deduct	*-2.82*	
			For >500 To 1,000, Deduct	*-4.58*	
			For >1,000, Deduct	*-6.35*	
26 05 33 13-1959		LF	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	83.97	12.09
			For >250 To 500, Deduct	*-3.33*	
			For >500 To 1,000, Deduct	*-5.43*	
			For >1,000, Deduct	*-7.53*	
26 05 33 13-1960		LF	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	131.35	16.70
			For >250 To 500, Deduct	*-5.47*	
			For >500 To 1,000, Deduct	*-8.76*	
			For >1,000, Deduct	*-12.04*	
26 05 33 13-1961		LF	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	175.30	21.88
			For >250 To 500, Deduct	*-7.38*	
			For >500 To 1,000, Deduct	*-11.77*	
			For >1,000, Deduct	*-16.15*	

26 05 33 13-1962 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Couplings, Direct Burial *(26 05 33 13-1948)*

26 05 33 13-1963		EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	13.19	3.46
26 05 33 13-1964		EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	15.79	4.61
26 05 33 13-1965		EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	20.06	5.75
26 05 33 13-1966		EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	22.64	6.34
26 05 33 13-1967		EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	26.83	7.49
26 05 33 13-1968		EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	34.62	8.64
26 05 33 13-1969		EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	63.64	10.37
26 05 33 13-1970		EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	80.91	14.40
26 05 33 13-1971		EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	100.26	16.70

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1972	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	124.24	23.04
26 05 33 13-1973	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	318.07	31.68
26 05 33 13-1974	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	320.25	17.85
26 05 33 13-1975		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbows, Direct Burial** *(26 05 33 13-1948)*		
		Note: 90, 45, or 30-degree.		
26 05 33 13-1976	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	50.80	14.40
26 05 33 13-1977	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	58.56	17.85
26 05 33 13-1978	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	69.98	21.88
26 05 33 13-1979	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	82.89	25.34
26 05 33 13-1980	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	97.17	28.79
26 05 33 13-1981	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	118.58	31.68
26 05 33 13-1982	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	183.54	39.74
26 05 33 13-1983	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	274.58	54.13
26 05 33 13-1984	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	340.31	61.05
26 05 33 13-1985	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	389.62	79.47
26 05 33 13-1986	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	815.04	129.58
26 05 33 13-1987	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	1,282.84	194.66
26 05 33 13-1988		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbows, Direct Burial** *(26 05 33 13-1948)*		
26 05 33 13-1989	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	121.86	21.88
26 05 33 13-1990	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	137.06	25.34
26 05 33 13-1991	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	156.48	28.79
26 05 33 13-1992	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	187.01	31.68
26 05 33 13-1993	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	261.00	39.74
26 05 33 13-1994		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbows, Direct Burial** *(26 05 33 13-1948)*		
26 05 33 13-1995	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	135.90	21.88
26 05 33 13-1996	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	160.25	25.34
26 05 33 13-1997	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	173.10	28.79
26 05 33 13-1998	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	223.27	31.68
26 05 33 13-1999	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	295.96	39.74
26 05 33 13-2000	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	378.24	54.13
26 05 33 13-2001		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbows, Direct Burial** *(26 05 33 13-1948)*		
26 05 33 13-2002	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	152.67	21.88
26 05 33 13-2003	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	172.32	25.34
26 05 33 13-2004	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	194.43	28.79
26 05 33 13-2005	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	235.29	31.68
26 05 33 13-2006	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	336.12	39.74
26 05 33 13-2007	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	425.40	54.13
26 05 33 13-2008	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	537.80	61.05
26 05 33 13-2009	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	604.79	79.47

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2010		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbows, Direct Burial** *(26 05 33 13-1948)*		
26 05 33 13-2011	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	181.65	21.88
26 05 33 13-2012	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	200.67	25.34
26 05 33 13-2013	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	226.62	28.79
26 05 33 13-2014	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	281.63	31.68
26 05 33 13-2015	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	408.01	39.74
26 05 33 13-2016	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	505.30	54.13
26 05 33 13-2017	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	586.59	61.05
26 05 33 13-2018	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	694.35	79.47
26 05 33 13-2019		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbows, Direct Burial** *(26 05 33 13-1948)*		
26 05 33 13-2020	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	204.20	21.88
26 05 33 13-2021	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	227.05	25.34
26 05 33 13-2022	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	258.29	28.79
26 05 33 13-2023	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	321.98	31.68
26 05 33 13-2024	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	447.24	39.74
26 05 33 13-2025	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	569.21	54.13
26 05 33 13-2026	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	705.20	61.05
26 05 33 13-2027	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	776.56	79.47
26 05 33 13-2028	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	1,294.99	129.58
26 05 33 13-2029		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbows, Direct Burial** *(26 05 33 13-1948)*		
26 05 33 13-2030	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	233.69	21.88
26 05 33 13-2031	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	258.93	25.34
26 05 33 13-2032	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	293.02	28.79
26 05 33 13-2033	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	366.72	31.68
26 05 33 13-2034	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	512.60	39.74
26 05 33 13-2035	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	650.63	54.13
26 05 33 13-2036	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	764.64	61.05
26 05 33 13-2037	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	882.69	79.47
26 05 33 13-2038	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	1,369.37	129.58
26 05 33 13-2039	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	1,870.58	194.66
26 05 33 13-2040		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbows, Direct Burial** *(26 05 33 13-1948)*		
26 05 33 13-2041	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	274.75	21.88
26 05 33 13-2042	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	287.35	25.34
26 05 33 13-2043	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	339.49	28.79
26 05 33 13-2044	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	429.01	31.68
26 05 33 13-2045	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	600.73	39.74
26 05 33 13-2046	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	760.40	54.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2047	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	929.88	61.05
26 05 33 13-2048	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	1,089.16	79.47
26 05 33 13-2049	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	1,611.99	129.58
26 05 33 13-2050	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	1,981.95	194.66
26 05 33 13-2051		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbows, Direct Burial *(26 05 33 13-1948)*		
26 05 33 13-2052	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	284.64	21.88
26 05 33 13-2053	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	335.42	25.34
26 05 33 13-2054	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	379.68	28.79
26 05 33 13-2055	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	447.74	31.68
26 05 33 13-2056	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	622.75	39.74
26 05 33 13-2057	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	794.16	54.13
26 05 33 13-2058	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	1,019.87	61.05
26 05 33 13-2059	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	1,135.99	79.47
26 05 33 13-2060	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	1,677.17	129.58
26 05 33 13-2061	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	2,038.54	194.66
26 05 33 13-2062		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNF Conduit Unions, Direct Burial *(26 05 33 13-1948)*		
26 05 33 13-2063	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	94.40	14.40
26 05 33 13-2064	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	102.52	17.85
26 05 33 13-2065	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	133.33	21.88
26 05 33 13-2066	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	194.82	25.34
26 05 33 13-2067	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	231.45	28.79
26 05 33 13-2068	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	295.03	31.68
26 05 33 13-2069	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	393.14	39.74
26 05 33 13-2070	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	511.91	39.74
26 05 33 13-2071	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	658.50	61.05
26 05 33 13-2072	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	847.71	79.47
26 05 33 13-2073	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	1,546.53	129.58
26 05 33 13-2074	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	1,922.57	194.66
26 05 33 13-2075		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNY Conduit Unions, Direct Burial *(26 05 33 13-1948)*		
26 05 33 13-2076	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	96.61	14.40
26 05 33 13-2077	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	110.96	17.85
26 05 33 13-2078	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	137.83	21.88
26 05 33 13-2079	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	203.08	25.34
26 05 33 13-2080	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	242.91	28.79
26 05 33 13-2081	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	319.79	31.68
26 05 33 13-2082	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	446.12	39.74
26 05 33 13-2083	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	565.78	39.74
26 05 33 13-2084	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	755.89	61.05

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26 05 33 13-2085	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	944.75	79.47
26 05 33 13-2086	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	1,724.41	129.58
26 05 33 13-2087	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	2,209.78	194.66

26 05 33 13-2088 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Nipples, Direct Burial *(26 05 33 13-1948)*

26 05 33 13-2089	EA	1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	32.43	6.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.15*	
26 05 33 13-2090	EA	3/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	36.23	8.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.18*	
26 05 33 13-2091	EA	1" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	41.89	10.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.56*	
26 05 33 13-2092	EA	1-1/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	49.95	12.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
26 05 33 13-2093	EA	1-1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	54.21	14.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.64*	
26 05 33 13-2094	EA	1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	35.98	7.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.49*	
26 05 33 13-2095	EA	3/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	38.78	8.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.18*	
26 05 33 13-2096	EA	1" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	44.45	10.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.56*	
26 05 33 13-2097	EA	1-1/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	52.67	12.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
26 05 33 13-2098	EA	1-1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	57.13	14.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.64*	
26 05 33 13-2099	EA	2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	61.87	16.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.68*	
26 05 33 13-2100	EA	1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	36.16	7.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.49*	
26 05 33 13-2101	EA	3/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	38.95	8.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.18*	
26 05 33 13-2102	EA	1" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	44.78	10.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.56*	
26 05 33 13-2103	EA	1-1/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	53.02	12.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
26 05 33 13-2104	EA	1-1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	57.49	14.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.64*	
26 05 33 13-2105	EA	2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	62.78	16.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.68*	
26 05 33 13-2106	EA	1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	38.57	7.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.49*	
26 05 33 13-2107	EA	3/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	41.37	8.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.18*	
26 05 33 13-2108	EA	1" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	47.38	10.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.56*	
26 05 33 13-2109	EA	1-1/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	54.50	12.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
26 05 33 13-2110	EA	1-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	59.12	14.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.64*	
26 05 33 13-2111	EA	2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	65.63	16.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.68*	
26 05 33 13-2112	EA	2-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	92.14	19.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.75*	
26 05 33 13-2113	EA	3" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	118.95	27.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.24*	

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26 05 33 13-2114	EA	1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	38.75	7.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.49*	
26 05 33 13-2115	EA	3/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	41.70	8.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.18*	
26 05 33 13-2116	EA	1" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	47.73	10.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.56*	
26 05 33 13-2117	EA	1-1/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	55.97	12.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
26 05 33 13-2118	EA	1-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	60.74	14.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.64*	
26 05 33 13-2119	EA	2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	68.48	16.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.68*	
26 05 33 13-2120	EA	2-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	94.65	19.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.75*	
26 05 33 13-2121	EA	3" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	124.37	27.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.24*	
26 05 33 13-2122	EA	3-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	148.64	30.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.31*	
26 05 33 13-2123	EA	4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	173.19	39.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.84*	
26 05 33 13-2124	EA	1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	39.08	7.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.49*	
26 05 33 13-2125	EA	3/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	42.06	8.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.18*	
26 05 33 13-2126	EA	1" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	48.11	10.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.56*	
26 05 33 13-2127	EA	1-1/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	56.66	12.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
26 05 33 13-2128	EA	1-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	61.46	14.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.64*	
26 05 33 13-2129	EA	2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	70.03	16.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.68*	
26 05 33 13-2130	EA	2-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	104.67	19.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.75*	
26 05 33 13-2131	EA	3" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	132.48	27.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.24*	
26 05 33 13-2132	EA	3-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	150.37	30.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.31*	
26 05 33 13-2133	EA	4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	177.81	39.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.84*	
26 05 33 13-2134	EA	5" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	262.41	54.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.83*	
26 05 33 13-2135	EA	1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	39.71	7.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.49*	
26 05 33 13-2136	EA	3/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	42.69	8.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.18*	
26 05 33 13-2137	EA	1" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	48.80	10.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.56*	
26 05 33 13-2138	EA	1-1/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	57.93	12.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
26 05 33 13-2139	EA	1-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	62.98	14.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.64*	
26 05 33 13-2140	EA	2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	71.58	16.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.68*	
26 05 33 13-2141	EA	2-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	114.84	19.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2142	EA	3" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	143.26	27.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.24*	
26 05 33 13-2143	EA	3-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	160.08	30.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.31*	
26 05 33 13-2144	EA	4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	194.19	39.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.84*	
26 05 33 13-2145	EA	5" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	286.89	54.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.83*	
26 05 33 13-2146	EA	1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	40.71	7.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.49*	
26 05 33 13-2147	EA	3/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	43.66	8.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.18*	
26 05 33 13-2148	EA	1" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	50.33	10.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.56*	
26 05 33 13-2149	EA	1-1/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	58.26	12.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
26 05 33 13-2150	EA	1-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	66.08	14.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.64*	
26 05 33 13-2151	EA	2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	79.15	16.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.68*	
26 05 33 13-2152	EA	2-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	127.35	19.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.75*	
26 05 33 13-2153	EA	3" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	158.00	27.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.24*	
26 05 33 13-2154	EA	3-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	184.38	30.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.31*	
26 05 33 13-2155	EA	4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	218.77	39.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.84*	
26 05 33 13-2156	EA	5" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	303.66	54.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.83*	
26 05 33 13-2157	EA	1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	41.75	7.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.49*	
26 05 33 13-2158	EA	3/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	44.67	8.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.18*	
26 05 33 13-2159	EA	1" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	51.83	10.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.56*	
26 05 33 13-2160	EA	1-1/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	62.84	12.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
26 05 33 13-2161	EA	1-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	73.46	14.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.64*	
26 05 33 13-2162	EA	2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	90.29	16.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.68*	
26 05 33 13-2163	EA	2-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	140.57	19.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.75*	
26 05 33 13-2164	EA	3" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	176.89	27.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.24*	
26 05 33 13-2165	EA	3-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	209.91	30.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.31*	
26 05 33 13-2166	EA	4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	261.78	39.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.84*	
26 05 33 13-2167	EA	5" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	337.14	54.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.83*	
26 05 33 13-2168	EA	1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	42.82	7.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.49*	
26 05 33 13-2169	EA	3/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	45.87	8.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2170	EA	1" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	55.64	10.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.56*	
26 05 33 13-2171	EA	1-1/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	70.36	12.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
26 05 33 13-2172	EA	1-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	82.38	14.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.64*	
26 05 33 13-2173	EA	2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	99.23	16.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.68*	
26 05 33 13-2174	EA	2-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	158.21	19.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.75*	
26 05 33 13-2175	EA	3" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	205.21	27.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.24*	
26 05 33 13-2176	EA	3-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	225.57	30.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.31*	
26 05 33 13-2177	EA	4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	274.98	39.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.84*	
26 05 33 13-2178	EA	5" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	341.92	54.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.83*	

26 05 33 13-2179 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit *(26 05 33 13-1868)*

Note: Direct burial or encased application.

26 05 33 13-2180 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit *(26 05 33 13-2179)*

Note: Includes field bending for conduit up to and including 1". See CSI section 26 05 33 13-2329 for field bending >1".

26 05 33 13-2181	LF	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	7.57	1.43
		For Work In Restricted Working Space, Add	*1.07*	
26 05 33 13-2182	LF	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	8.35	1.54
		For Work In Restricted Working Space, Add	*1.16*	
26 05 33 13-2183	LF	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	8.89	1.65
		For Work In Restricted Working Space, Add	*1.24*	
26 05 33 13-2184	LF	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	9.43	1.76
		For Work In Restricted Working Space, Add	*1.32*	
26 05 33 13-2185	LF	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	10.10	1.86
		For Work In Restricted Working Space, Add	*1.40*	
26 05 33 13-2186	LF	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	10.53	1.97
		For Work In Restricted Working Space, Add	*1.49*	
26 05 33 13-2187	LF	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	11.90	2.08
		For Work In Restricted Working Space, Add	*1.57*	
26 05 33 13-2188	LF	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	13.51	2.19
		For Work In Restricted Working Space, Add	*1.65*	
26 05 33 13-2189	LF	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	14.79	2.30
		For Work In Restricted Working Space, Add	*1.73*	
26 05 33 13-2190	LF	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	16.07	2.41
		For Work In Restricted Working Space, Add	*1.81*	
26 05 33 13-2191	LF	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	18.84	2.52
		For Work In Restricted Working Space, Add	*1.90*	
26 05 33 13-2192	LF	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	22.25	2.63
		For Work In Restricted Working Space, Add	*1.98*	

26 05 33 13-2193 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbows, 12" Large Radius Elbows *(26 05 33 13-2179)*

26 05 33 13-2194	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	101.46	10.99
		For Work In Restricted Working Space, Add	*8.24*	
		For 24" Radius, Add	*6.92*	
		For 36" Radius, Add	*10.15*	
		For 48" Radius, Add	*13.37*	
26 05 33 13-2195	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	115.81	13.18
		For Work In Restricted Working Space, Add	*9.89*	
		For 24" Radius, Add	*7.86*	
		For 36" Radius, Add	*11.58*	
		For 48" Radius, Add	*15.30*	
26 05 33 13-2196	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	122.14	15.39
		For Work In Restricted Working Space, Add	*11.54*	
		For 24" Radius, Add	*8.20*	
		For 36" Radius, Add	*12.21*	
		For 48" Radius, Add	*16.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2197	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	128.44	17.58
		For Work In Restricted Working Space, Add	*13.18*	
		For 24" Radius, Add	*8.53*	
		For 36" Radius, Add	*12.84*	
		For 48" Radius, Add	*17.15*	
26 05 33 13-2198	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	134.78	19.77
		For Work In Restricted Working Space, Add	*14.83*	
		For 24" Radius, Add	*8.87*	
		For 36" Radius, Add	*13.48*	
		For 48" Radius, Add	*18.08*	
26 05 33 13-2199	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	152.04	21.98
		For Work In Restricted Working Space, Add	*16.48*	
		For 24" Radius, Add	*10.03*	
		For 36" Radius, Add	*15.20*	
		For 48" Radius, Add	*20.38*	
26 05 33 13-2200	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	176.66	24.17
		For Work In Restricted Working Space, Add	*18.13*	
		For 24" Radius, Add	*11.74*	
		For 36" Radius, Add	*17.67*	
		For 48" Radius, Add	*23.59*	
26 05 33 13-2201	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	205.40	26.36
		For Work In Restricted Working Space, Add	*19.78*	
		For 24" Radius, Add	*13.76*	
		For 36" Radius, Add	*20.54*	
		For 48" Radius, Add	*27.32*	
26 05 33 13-2202	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	233.83	30.76
		For Work In Restricted Working Space, Add	*23.07*	
		For 24" Radius, Add	*15.61*	
		For 36" Radius, Add	*23.38*	
		For 48" Radius, Add	*31.15*	
26 05 33 13-2203	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	262.24	39.55
		For Work In Restricted Working Space, Add	*26.37*	
		For 24" Radius, Add	*17.47*	
		For 36" Radius, Add	*26.22*	
		For 48" Radius, Add	*34.98*	
26 05 33 13-2204	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	316.82	39.55
		For Work In Restricted Working Space, Add	*29.66*	
		For 24" Radius, Add	*21.29*	
		For 36" Radius, Add	*31.68*	
		For 48" Radius, Add	*42.07*	
26 05 33 13-2205	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	382.29	43.94
		For Work In Restricted Working Space, Add	*32.96*	
		For 24" Radius, Add	*25.93*	
		For 36" Radius, Add	*38.23*	
		For 48" Radius, Add	*50.53*	

26 05 33 13-2206 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Couplings *(26 05 33 13-2179)*

26 05 33 13-2207	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	46.03	6.15
		For Work In Restricted Working Space, Add	*4.62*	
26 05 33 13-2208	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	51.72	7.03
		For Work In Restricted Working Space, Add	*5.27*	
26 05 33 13-2209	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	54.26	7.91
		For Work In Restricted Working Space, Add	*5.93*	
26 05 33 13-2210	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	56.76	8.78
		For Work In Restricted Working Space, Add	*6.59*	
26 05 33 13-2211	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	59.65	9.67
		For Work In Restricted Working Space, Add	*7.25*	
26 05 33 13-2212	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	68.61	10.55
		For Work In Restricted Working Space, Add	*7.91*	
26 05 33 13-2213	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	80.52	11.87
		For Work In Restricted Working Space, Add	*8.90*	
26 05 33 13-2214	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	93.98	13.18
		For Work In Restricted Working Space, Add	*9.89*	
26 05 33 13-2215	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	107.10	15.39
		For Work In Restricted Working Space, Add	*11.54*	
26 05 33 13-2216	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	120.22	17.58
		For Work In Restricted Working Space, Add	*13.18*	
26 05 33 13-2217	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	144.78	19.77
		For Work In Restricted Working Space, Add	*14.83*	
26 05 33 13-2218	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	174.07	21.98
		For Work In Restricted Working Space, Add	*16.48*	

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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2219		**Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Couplings** *(26 05 33 13-2179)*		
26 05 33 13-2220	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	32.68	6.15
		For Work In Restricted Working Space, Add	*4.62*	
26 05 33 13-2221	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	36.79	7.03
		For Work In Restricted Working Space, Add	*5.27*	
26 05 33 13-2222	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	39.18	7.91
		For Work In Restricted Working Space, Add	*5.93*	
26 05 33 13-2223	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	41.60	8.78
		For Work In Restricted Working Space, Add	*6.59*	
26 05 33 13-2224	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	43.99	9.67
		For Work In Restricted Working Space, Add	*7.25*	
26 05 33 13-2225	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	46.30	10.55
		For Work In Restricted Working Space, Add	*7.91*	
26 05 33 13-2226	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	53.59	11.87
		For Work In Restricted Working Space, Add	*8.90*	
26 05 33 13-2227	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	61.67	13.18
		For Work In Restricted Working Space, Add	*9.89*	
26 05 33 13-2228	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	70.75	15.39
		For Work In Restricted Working Space, Add	*11.54*	
26 05 33 13-2229	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	79.83	17.58
		For Work In Restricted Working Space, Add	*13.18*	
26 05 33 13-2230	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	94.34	19.77
		For Work In Restricted Working Space, Add	*14.83*	
26 05 33 13-2231	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	111.01	21.98
		For Work In Restricted Working Space, Add	*16.48*	
26 05 33 13-2232		**Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Couplings** *(26 05 33 13-2179)*		
26 05 33 13-2233	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	30.27	3.52
		For Work In Restricted Working Space, Add	*2.63*	
26 05 33 13-2234	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	33.78	3.96
		For Work In Restricted Working Space, Add	*2.97*	
26 05 33 13-2235	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	35.14	4.40
		For Work In Restricted Working Space, Add	*3.30*	
26 05 33 13-2236	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	36.38	4.84
		For Work In Restricted Working Space, Add	*3.63*	
26 05 33 13-2237	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	38.03	5.27
		For Work In Restricted Working Space, Add	*3.95*	
26 05 33 13-2238	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	44.97	6.15
		For Work In Restricted Working Space, Add	*4.62*	
26 05 33 13-2239	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	54.16	7.47
		For Work In Restricted Working Space, Add	*5.60*	
26 05 33 13-2240	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	64.55	8.78
		For Work In Restricted Working Space, Add	*6.59*	
26 05 33 13-2241	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	75.35	10.99
		For Work In Restricted Working Space, Add	*8.24*	
26 05 33 13-2242	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	86.16	13.18
		For Work In Restricted Working Space, Add	*9.89*	
26 05 33 13-2243	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	104.94	15.39
		For Work In Restricted Working Space, Add	*11.54*	
26 05 33 13-2244	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	127.08	17.58
		For Work In Restricted Working Space, Add	*13.18*	
26 05 33 13-2245		**Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joints** *(26 05 33 13-2179)*		
26 05 33 13-2246	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	78.61	21.98
		For Work In Restricted Working Space, Add	*16.48*	
26 05 33 13-2247	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	92.19	26.36
		For Work In Restricted Working Space, Add	*19.78*	
26 05 33 13-2248	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	103.47	30.76
		For Work In Restricted Working Space, Add	*23.07*	
26 05 33 13-2249	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	114.62	35.16
		For Work In Restricted Working Space, Add	*26.37*	
26 05 33 13-2250	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	120.72	37.35
		For Work In Restricted Working Space, Add	*28.01*	
26 05 33 13-2251	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	131.42	39.55
		For Work In Restricted Working Space, Add	*29.66*	
26 05 33 13-2252	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	143.43	41.75
		For Work In Restricted Working Space, Add	*31.31*	
26 05 33 13-2253	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	156.74	43.94
		For Work In Restricted Working Space, Add	*32.96*	
26 05 33 13-2254	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	168.09	46.15
		For Work In Restricted Working Space, Add	*34.61*	
26 05 33 13-2255	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	179.44	48.34
		For Work In Restricted Working Space, Add	*36.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2256	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	199.58	50.54
		For Work In Restricted Working Space, Add	*37.91*	
26 05 33 13-2257	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	223.38	52.74
		For Work In Restricted Working Space, Add	*39.55*	

26 05 33 13-2258 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joints *(26 05 33 13-2179)*

26 05 33 13-2259	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	88.23	21.98
		For Work In Restricted Working Space, Add	*16.48*	
26 05 33 13-2260	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	102.97	26.36
		For Work In Restricted Working Space, Add	*19.78*	
26 05 33 13-2261	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	114.31	30.76
		For Work In Restricted Working Space, Add	*23.07*	
26 05 33 13-2262	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	125.58	35.16
		For Work In Restricted Working Space, Add	*26.37*	
26 05 33 13-2263	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	131.77	37.35
		For Work In Restricted Working Space, Add	*28.01*	
26 05 33 13-2264	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	144.04	39.55
		For Work In Restricted Working Space, Add	*29.66*	
26 05 33 13-2265	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	158.56	41.75
		For Work In Restricted Working Space, Add	*31.31*	
26 05 33 13-2266	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	174.90	43.94
		For Work In Restricted Working Space, Add	*32.96*	
26 05 33 13-2267	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	188.53	46.15
		For Work In Restricted Working Space, Add	*34.61*	
26 05 33 13-2268	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	202.17	48.34
		For Work In Restricted Working Space, Add	*36.26*	
26 05 33 13-2269	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	228.06	50.54
		For Work In Restricted Working Space, Add	*37.91*	
26 05 33 13-2270	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	258.97	52.74
		For Work In Restricted Working Space, Add	*39.55*	

26 05 33 13-2271 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapters *(26 05 33 13-2179)*

26 05 33 13-2272	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	94.57	6.15
		For Work In Restricted Working Space, Add	*4.62*	
26 05 33 13-2273	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	105.54	7.03
		For Work In Restricted Working Space, Add	*5.27*	
26 05 33 13-2274	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	110.43	7.91
		For Work In Restricted Working Space, Add	*5.93*	
26 05 33 13-2275	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	115.46	8.78
		For Work In Restricted Working Space, Add	*6.59*	
26 05 33 13-2276	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	119.10	9.67
		For Work In Restricted Working Space, Add	*7.25*	
26 05 33 13-2277	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	130.33	10.55
		For Work In Restricted Working Space, Add	*7.91*	
26 05 33 13-2278	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	154.45	11.87
		For Work In Restricted Working Space, Add	*8.90*	
26 05 33 13-2279	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	182.61	13.18
		For Work In Restricted Working Space, Add	*9.89*	
26 05 33 13-2280	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	206.81	15.39
		For Work In Restricted Working Space, Add	*11.54*	
26 05 33 13-2281	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	231.02	17.58
		For Work In Restricted Working Space, Add	*13.18*	
26 05 33 13-2282	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	283.36	19.77
		For Work In Restricted Working Space, Add	*14.83*	
26 05 33 13-2283	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	345.51	21.98
		For Work In Restricted Working Space, Add	*16.48*	

26 05 33 13-2284 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joints *(26 05 33 13-2179)*

26 05 33 13-2285	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	104.95	21.98
		For Work In Restricted Working Space, Add	*16.48*	
26 05 33 13-2286	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	121.51	26.36
		For Work In Restricted Working Space, Add	*19.78*	
26 05 33 13-2287	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	145.58	30.76
		For Work In Restricted Working Space, Add	*23.07*	
26 05 33 13-2288	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	180.48	35.16
		For Work In Restricted Working Space, Add	*26.37*	
26 05 33 13-2289	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	220.30	37.35
		For Work In Restricted Working Space, Add	*28.01*	
26 05 33 13-2290	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	286.98	39.55
		For Work In Restricted Working Space, Add	*29.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2291	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	400.36	41.75
		For Work In Restricted Working Space, Add	*31.31*	
26 05 33 13-2292	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	476.90	43.94
		For Work In Restricted Working Space, Add	*32.96*	
26 05 33 13-2293	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	566.75	46.15
		For Work In Restricted Working Space, Add	*34.61*	
26 05 33 13-2294	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	656.61	48.34
		For Work In Restricted Working Space, Add	*36.26*	
26 05 33 13-2295	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	762.73	50.54
		For Work In Restricted Working Space, Add	*37.91*	
26 05 33 13-2296	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	1,212.21	52.74
		For Work In Restricted Working Space, Add	*39.55*	

26 05 33 13-2297 Spacers *(26 05 33 13-1868)*

Note: For concrete encasement applications. See CSI section 03 30 53 00-0001 for concrete., 26 05 33 13-1868 for conduit.

26 05 33 13-2298	EA	1" Base Spacers, Average 4" Wide, Direct Burial	11.87
26 05 33 13-2299	EA	1" Intermediate Spacers, Average 4" Wide, Direct Burial	12.73
26 05 33 13-2300	EA	1-1/4" Base Spacer, Average 4" Wide, Direct Burial	14.09
26 05 33 13-2301	EA	1-1/4" Intermediate Spacers, Average 4" Wide, Direct Burial	15.14
26 05 33 13-2302	EA	1-1/2" Base Spacer, Average 4" Wide, Direct Burial	14.24
26 05 33 13-2303	EA	1-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	15.24
26 05 33 13-2304	EA	2" Base Spacer, Average 4" Wide, Direct Burial	17.61
26 05 33 13-2305	EA	2" Intermediate Spacers, Average 4" Wide, Direct Burial	16.34
26 05 33 13-2306	EA	2-1/2" Base Spacer, Average 4" Wide, Direct Burial	19.44
26 05 33 13-2307	EA	2-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	18.80
26 05 33 13-2308	EA	3" Base Spacer, Average 4" Wide, Direct Burial	22.21
26 05 33 13-2309	EA	3" Intermediate Spacers, Average 4" Wide, Direct Burial	21.24
26 05 33 13-2310	EA	3-1/2" Base Spacer, Average 4" Wide, Direct Burial	24.06
26 05 33 13-2311	EA	3-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	23.02
26 05 33 13-2312	EA	4" Base Spacer, Average 4" Wide, Direct Burial	24.82
26 05 33 13-2313	EA	4" Intermediate Spacers, Average 4" Wide, Direct Burial	23.67
26 05 33 13-2314	EA	5" Base Spacer, Average 4" Wide, Direct Burial	27.45
26 05 33 13-2315	EA	5" Intermediate Spacers, Average 4" Wide, Direct Burial	26.09
26 05 33 13-2316	EA	6" Base Spacer, Average 4" Wide, Direct Burial	31.16
26 05 33 13-2317	EA	6" Intermediate Spacers, Average 4" Wide, Direct Burial	30.03

26 05 33 13-2318 Conduit Field Bending *(26 05 33 13-0058)*

Note: Conduit tasks by LF include field bending up to and include 1" conduit.

26 05 33 13-2319 Metallic Conduit Field Bending *(26 05 33 13-2318)*

Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT), and Intermediate Metal Conduit (IMC).

26 05 33 13-2320	EA	1-1/4" Metallic Conduit Field Bending	20.73
		For Aluminum Conduit Bending, Add	*13.68*
26 05 33 13-2321	EA	1-1/2" Metallic Conduit Field Bending	25.91
		For Aluminum Conduit Bending, Add	*17.10*
26 05 33 13-2322	EA	2" Metallic Conduit Field Bending	32.39
		For Aluminum Conduit Bending, Add	*21.38*
26 05 33 13-2323	EA	2-1/2" Metallic Conduit Field Bending	45.35
		For Aluminum Conduit Bending, Add	*29.93*
26 05 33 13-2324	EA	3" Metallic Conduit Field Bending	58.30
		For Aluminum Conduit Bending, Add	*38.48*
26 05 33 13-2325	EA	3-1/2" Metallic Conduit Field Bending	77.74
		For Aluminum Conduit Bending, Add	*51.31*
26 05 33 13-2326	EA	4" Metallic Conduit Field Bending	90.69
		For Aluminum Conduit Bending, Add	*59.86*
26 05 33 13-2327	EA	5" Metallic Conduit Field Bending	103.65
		For Aluminum Conduit Bending, Add	*68.41*
26 05 33 13-2328	EA	6" Metallic Conduit Field Bending	123.09
		For Aluminum Conduit Bending, Add	*81.24*

26 05 33 13-2329 Plastic Conduit Field Bending *(26 05 33 13-2318)*

Note: For PVC conduits.

26 05 33 13-2330	EA	1" Plastic Conduit Field Bending	29.80
26 05 33 13-2331	EA	1-1/4" Plastic Conduit Field Bending	32.39
26 05 33 13-2332	EA	1-1/2" Plastic Conduit Field Bending	38.87
26 05 33 13-2333	EA	2" Plastic Conduit Field Bending	51.83
26 05 33 13-2334	EA	2-1/2" Plastic Conduit Field Bending	64.79
26 05 33 13-2335	EA	3" Plastic Conduit Field Bending	77.74
26 05 33 13-2336	EA	3-1/2" Plastic Conduit Field Bending	90.69
26 05 33 13-2337	EA	4" Plastic Conduit Field Bending	103.65
26 05 33 13-2338	EA	5" Plastic Conduit Field Bending	116.61
26 05 33 13-2339	EA	6" Plastic Conduit Field Bending	129.56

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 05 33 13-2340 Cut And Thread Existing In-Place Threaded Conduit *(26 05 33 13-0058)*

Note: For use when connecting conduit to an existing in-place system.

26 05 33 13-2341	EA	1/2", Cut And Thread Existing In-Place Threaded Conduit	37.88	
		For Work In Restricted Working Space, Add	*11.36*	
26 05 33 13-2342	EA	3/4", Cut And Thread Existing In-Place Threaded Conduit	41.66	
		For Work In Restricted Working Space, Add	*12.50*	
26 05 33 13-2343	EA	1", Cut And Thread Existing In-Place Threaded Conduit	45.46	
		For Work In Restricted Working Space, Add	*13.64*	
26 05 33 13-2344	EA	1-1/4", Cut And Thread Existing In-Place Threaded Conduit	49.24	
		For Work In Restricted Working Space, Add	*14.77*	
26 05 33 13-2345	EA	1-1/2", Cut And Thread Existing In-Place Threaded Conduit	51.77	
		For Work In Restricted Working Space, Add	*15.53*	
26 05 33 13-2346	EA	2", Cut And Thread Existing In-Place Threaded Conduit	54.29	
		For Work In Restricted Working Space, Add	*16.29*	
26 05 33 13-2347	EA	2-1/2", Cut And Thread Existing In-Place Threaded Conduit	56.82	
		For Work In Restricted Working Space, Add	*17.05*	
26 05 33 13-2348	EA	3", Cut And Thread Existing In-Place Threaded Conduit	59.35	
		For Work In Restricted Working Space, Add	*17.81*	
26 05 33 13-2349	EA	3-1/2", Cut And Thread Existing In-Place Threaded Conduit	60.60	
		For Work In Restricted Working Space, Add	*18.18*	
26 05 33 13-2350	EA	4", Cut And Thread Existing In-Place Threaded Conduit	61.87	
		For Work In Restricted Working Space, Add	*18.56*	
26 05 33 13-2351	EA	5", Cut And Thread Existing In-Place Threaded Conduit	64.40	
		For Work In Restricted Working Space, Add	*19.32*	
26 05 33 13-2352	EA	6", Cut And Thread Existing In-Place Threaded Conduit	66.92	
		For Work In Restricted Working Space, Add	*20.08*	

26 05 33 13-2353 Flexible Conduit *(26 05 33 13-0058)*

26 05 33 13-2354 Flexible Liquid Tight Metallic Conduit And Connectors *(26 05 33 13-2353)*

Note: Steel inner core with PVC cover.

26 05 33 13-2355 Flexible Liquid Tight Metallic Conduit *(26 05 33 13-2354)*

26 05 33 13-2356	LF	3/8" Flexible Liquid Tight Metallic Conduit	4.88	1.38
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.52*	
		For Work In Restricted Working Space, Add	*1.04*	
26 05 33 13-2357	LF	1/2" Flexible Liquid Tight Metallic Conduit	5.09	1.38
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.52*	
		For Work In Restricted Working Space, Add	*1.04*	
26 05 33 13-2358	LF	3/4" Flexible Liquid Tight Metallic Conduit	6.82	1.84
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.69*	
		For Work In Restricted Working Space, Add	*1.38*	
26 05 33 13-2359	LF	1" Flexible Liquid Tight Metallic Conduit	7.95	1.84
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.69*	
		For Work In Restricted Working Space, Add	*1.38*	
26 05 33 13-2360	LF	1-1/4" Flexible Liquid Tight Metallic Conduit	10.30	2.31
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.86*	
		For Work In Restricted Working Space, Add	*1.73*	
26 05 33 13-2361	LF	1-1/2" Flexible Liquid Tight Metallic Conduit	13.29	2.77
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.04*	
		For Work In Restricted Working Space, Add	*2.07*	
26 05 33 13-2362	LF	2" Flexible Liquid Tight Metallic Conduit	17.47	3.69
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.38*	
		For Work In Restricted Working Space, Add	*2.76*	
26 05 33 13-2363	LF	2-1/2" Flexible Liquid Tight Metallic Conduit	24.01	4.15
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.56*	
		For Work In Restricted Working Space, Add	*3.11*	
26 05 33 13-2364	LF	3" Flexible Liquid Tight Metallic Conduit	35.61	5.07
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.90*	
		For Work In Restricted Working Space, Add	*3.80*	
26 05 33 13-2365	LF	4" Flexible Liquid Tight Metallic Conduit	48.88	6.45
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*2.42*	
		For Work In Restricted Working Space, Add	*4.84*	

26 05 33 13-2366 Straight Liquid Tight Connector *(26 05 33 13-2354)*

26 05 33 13-2367	EA	3/8" Straight Liquid Tight Connector	13.26	3.69
		For Work In Restricted Working Space, Add	*2.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.76*	
26 05 33 13-2368	EA	1/2" Straight Liquid Tight Connector	13.26	3.69
		For Work In Restricted Working Space, Add	*2.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.76*	
26 05 33 13-2369	EA	3/4" Straight Liquid Tight Connector	16.17	4.15
		For Work In Restricted Working Space, Add	*3.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.11*	
26 05 33 13-2370	EA	1" Straight Liquid Tight Connector	21.87	4.61
		For Work In Restricted Working Space, Add	*3.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.46*	
26 05 33 13-2371	EA	1-1/4" Straight Liquid Tight Connector	28.31	5.07
		For Work In Restricted Working Space, Add	*3.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2372	EA	1-1/2" Straight Liquid Tight Connector	36.14	5.53
		For Work In Restricted Working Space, Add	*4.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.15*	
26 05 33 13-2373	EA	2" Straight Liquid Tight Connector	50.13	6.45
		For Work In Restricted Working Space, Add	*4.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.84*	
26 05 33 13-2374	EA	2-1/2" Straight Liquid Tight Connector	175.09	8.29
		For Work In Restricted Working Space, Add	*6.22*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.22*	
26 05 33 13-2375	EA	3" Straight Liquid Tight Connector	226.30	8.75
		For Work In Restricted Working Space, Add	*6.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.56*	
26 05 33 13-2376	EA	4" Straight Liquid Tight Connector	276.38	12.90
		For Work In Restricted Working Space, Add	*9.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.68*	

26 05 33 13-2377 90 Degree Angle Liquid Tight Connector *(26 05 33 13-2354)*

26 05 33 13-2378	EA	3/8" 90 Degree Angle Liquid Tight Connector	19.43	5.07
		For Work In Restricted Working Space, Add	*3.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.80*	
26 05 33 13-2379	EA	1/2" 90 Degree Angle Liquid Tight Connector	20.30	5.07
		For Work In Restricted Working Space, Add	*3.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.80*	
26 05 33 13-2380	EA	3/4" 90 Degree Angle Liquid Tight Connector	23.00	5.53
		For Work In Restricted Working Space, Add	*4.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.15*	
26 05 33 13-2381	EA	1" 90 Degree Angle Liquid Tight Connector	32.82	6.45
		For Work In Restricted Working Space, Add	*4.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.84*	
26 05 33 13-2382	EA	1-1/4" 90 Degree Angle Liquid Tight Connector	41.67	6.91
		For Work In Restricted Working Space, Add	*5.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.18*	
26 05 33 13-2383	EA	1-1/2" 90 Degree Angle Liquid Tight Connector	50.83	7.37
		For Work In Restricted Working Space, Add	*5.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.53*	
26 05 33 13-2384	EA	2" 90 Degree Angle Liquid Tight Connector	67.66	8.29
		For Work In Restricted Working Space, Add	*6.22*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.22*	
26 05 33 13-2385	EA	2-1/2" 90 Degree Angle Liquid Tight Connector	245.40	8.75
		For Work In Restricted Working Space, Add	*6.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.56*	
26 05 33 13-2386	EA	3" 90 Degree Angle Liquid Tight Connector	290.04	10.13
		For Work In Restricted Working Space, Add	*7.60*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.60*	
26 05 33 13-2387	EA	4" 90 Degree Angle Liquid Tight Connector	400.63	16.13
		For Work In Restricted Working Space, Add	*12.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.09*	

26 05 33 13-2388 45 Degree Angle Connector *(26 05 33 13-2354)*

26 05 33 13-2389	EA	3/8" 45 Degree Angle Liquid Tight Connector	19.14	5.07
		For Work In Restricted Working Space, Add	*3.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.80*	
26 05 33 13-2390	EA	1/2" 45 Degree Angle Liquid Tight Connector	19.34	5.07
		For Work In Restricted Working Space, Add	*3.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.80*	
26 05 33 13-2391	EA	3/4" 45 Degree Angle Liquid Tight Connector	23.00	5.53
		For Work In Restricted Working Space, Add	*4.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.15*	
26 05 33 13-2392	EA	1" 45 Degree Angle Liquid Tight Connector	35.20	6.45
		For Work In Restricted Working Space, Add	*4.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.84*	
26 05 33 13-2393	EA	1-1/4" 45 Degree Angle Liquid Tight Connector	40.13	6.91
		For Work In Restricted Working Space, Add	*5.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.18*	
26 05 33 13-2394	EA	1-1/2" 45 Degree Angle Liquid Tight Connector	45.08	7.37
		For Work In Restricted Working Space, Add	*5.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.53*	

26 05 33 13-2395 Flexible Metallic Conduit And Connectors *(26 05 33 13-2353)*

26 05 33 13-2396 Flexible Steel Conduit *(26 05 33 13-2395)*

26 05 33 13-2397	LF	3/8" Flexible Metallic Conduit	4.53	1.51
		For Flexible Aluminum Conduit, Add	*0.14*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.56*	
		For Installation In Metal Stud Wall, Add	*0.37*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*0.93*	
		For Work In Restricted Working Space, Add	*1.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2398	LF	1/2" Flexible Metallic Conduit	4.70	1.51
		For Flexible Aluminum Conduit, Add	*0.15*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.57*	
		For Installation In Metal Stud Wall, Add	*0.38*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*0.95*	
		For Work In Restricted Working Space, Add	*1.13*	
26 05 33 13-2399	LF	3/4" Flexible Metallic Conduit	5.35	2.01
		For Flexible Aluminum Conduit, Add	*0.21*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.62*	
		For Installation In Metal Stud Wall, Add	*0.41*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.03*	
		For Work In Restricted Working Space, Add	*1.23*	
26 05 33 13-2400	LF	1" Flexible Metallic Conduit	6.74	2.01
		For Flexible Aluminum Conduit, Add	*0.38*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.66*	
		For Installation In Metal Stud Wall, Add	*0.44*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.10*	
		For Work In Restricted Working Space, Add	*1.32*	
26 05 33 13-2401	LF	1-1/4" Flexible Metallic Conduit	7.70	2.53
		For Flexible Aluminum Conduit, Add	*0.50*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.70*	
		For Installation In Metal Stud Wall, Add	*0.47*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.17*	
		For Work In Restricted Working Space, Add	*1.40*	
26 05 33 13-2402	LF	1-1/2" Flexible Metallic Conduit	10.18	3.03
		For Flexible Aluminum Conduit, Add	*0.88*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.73*	
		For Installation In Metal Stud Wall, Add	*0.49*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.21*	
		For Work In Restricted Working Space, Add	*1.46*	
26 05 33 13-2403	LF	2" Flexible Metallic Conduit	11.58	4.04
		For Flexible Aluminum Conduit, Add	*1.08*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.76*	
		For Installation In Metal Stud Wall, Add	*0.50*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.26*	
		For Work In Restricted Working Space, Add	*1.51*	
26 05 33 13-2404	LF	2-1/2" Flexible Steel Conduit	14.21	4.54
		For Flexible Aluminum Conduit, Add	*1.31*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*0.95*	
		For Installation In Metal Stud Wall, Add	*0.63*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.58*	
		For Work In Restricted Working Space, Add	*1.89*	
26 05 33 13-2405	LF	3" Flexible Metallic Conduit	21.31	5.55
		For Flexible Aluminum Conduit, Add	*2.27*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.14*	
		For Installation In Metal Stud Wall, Add	*0.76*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.89*	
		For Work In Restricted Working Space, Add	*2.27*	
26 05 33 13-2406	LF	3-1/2" Flexible Metallic Conduit	26.15	6.05
		For Flexible Aluminum Conduit, Add	*2.86*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.32*	
		For Installation In Metal Stud Wall, Add	*0.88*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.21*	
		For Work In Restricted Working Space, Add	*2.65*	
26 05 33 13-2407	LF	4" Flexible Metallic Conduit	30.07	7.06
		For Flexible Aluminum Conduit, Add	*3.30*	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	*1.51*	
		For Installation In Metal Stud Wall, Add	*1.01*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.52*	
		For Work In Restricted Working Space, Add	*3.02*	

26 05 33 13-2408 Plain Squeeze Type Straight Connector *(26 05 33 13-2395)*

26 05 33 13-2409	EA	3/8" Flexible Straight Connectors, Plain	7.78	4.04
		For Work In Restricted Working Space, Add	*1.70*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.70*	
26 05 33 13-2410	EA	1/2" Flexible Straight Connectors, Plain	9.65	4.54
		For Work In Restricted Working Space, Add	*1.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.89*	
26 05 33 13-2411	EA	3/4" Flexible Straight Connectors, Plain	11.10	5.55
		For Work In Restricted Working Space, Add	*2.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.27*	
26 05 33 13-2412	EA	1" Flexible Straight Connectors, Plain	17.82	6.05
		For Work In Restricted Working Space, Add	*3.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.02*	
26 05 33 13-2413	EA	1-1/4" Flexible Straight Connectors, Plain	25.28	7.06
		For Work In Restricted Working Space, Add	*3.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.78*	
26 05 33 13-2414	EA	1-1/2" Flexible Straight Connectors, Plain	33.34	8.57
		For Work In Restricted Working Space, Add	*4.73*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.73*	
26 05 33 13-2415	EA	2" Flexible Straight Connectors, Plain	43.93	8.57
		For Work In Restricted Working Space, Add	*5.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2416	EA	2-1/2" Flexible Straight Connectors, Plain	71.21	10.59
		For Work In Restricted Working Space, Add	*6.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.62*	
26 05 33 13-2417	EA	3" Flexible Straight Connectors, Plain	93.35	11.59
		For Work In Restricted Working Space, Add	*7.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.56*	
26 05 33 13-2418	EA	3-1/2" Flexible Straight Connectors, Plain	291.90	13.62
		For Work In Restricted Working Space, Add	*8.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.51*	
26 05 33 13-2419	EA	4" Flexible Straight Connectors, Plain	364.92	16.65
		For Work In Restricted Working Space, Add	*9.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.46*	

26 05 33 13-2420 Insulated Throat Squeeze Type Straight Connector *(26 05 33 13-2395)*

26 05 33 13-2421	EA	1/2" Flexible Straight Connectors, Insulated	10.80	4.54
		For Work In Restricted Working Space, Add	*1.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.89*	
26 05 33 13-2422	EA	3/4" Flexible Straight Connectors, Insulated	12.61	5.55
		For Work In Restricted Working Space, Add	*2.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.27*	
26 05 33 13-2423	EA	1" Flexible Straight Connectors, Insulated	19.88	6.05
		For Work In Restricted Working Space, Add	*3.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.02*	
26 05 33 13-2424	EA	1-1/4" Flexible Straight Connectors, Insulated	29.06	7.06
		For Work In Restricted Working Space, Add	*3.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.78*	
26 05 33 13-2425	EA	1-1/2" Flexible Straight Connectors, Insulated	40.07	7.57
		For Work In Restricted Working Space, Add	*4.73*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.73*	
26 05 33 13-2426	EA	2" Flexible Straight Connectors, Insulated	55.81	8.57
		For Work In Restricted Working Space, Add	*5.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.67*	
26 05 33 13-2427	EA	2-1/2" Flexible Straight Connectors, Insulated	96.62	10.59
		For Work In Restricted Working Space, Add	*6.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.62*	
26 05 33 13-2428	EA	3" Flexible Straight Connectors, Insulated	123.31	11.59
		For Work In Restricted Working Space, Add	*7.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.56*	
26 05 33 13-2429	EA	3-1/2" Flexible Straight Connectors, Insulated	338.07	13.62
		For Work In Restricted Working Space, Add	*8.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.51*	
26 05 33 13-2430	EA	4" Flexible Straight Connectors, Insulated	434.35	16.65
		For Work In Restricted Working Space, Add	*9.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.46*	

26 05 33 13-2431 Plain Squeeze Type 90 Degree Connector *(26 05 33 13-2395)*

26 05 33 13-2432	EA	3/8" Flexible 90 Degree Connector, Plain	10.95	5.04
		For Work In Restricted Working Space, Add	*2.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.27*	
26 05 33 13-2433	EA	1/2" Flexible 90 Degree Connector, Plain	14.48	5.55
		For Work In Restricted Working Space, Add	*2.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.65*	
26 05 33 13-2434	EA	3/4" Flexible 90 Degree Connector, Plain	18.93	6.05
		For Work In Restricted Working Space, Add	*3.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.02*	
26 05 33 13-2435	EA	1" Flexible 90 Degree Connector, Plain	26.58	7.06
		For Work In Restricted Working Space, Add	*3.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.78*	
26 05 33 13-2436	EA	1-1/4" Flexible 90 Degree Connector, Plain	41.65	7.57
		For Work In Restricted Working Space, Add	*4.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.54*	
26 05 33 13-2437	EA	1-1/2" Flexible 90 Degree Connector, Plain	65.26	8.83
		For Work In Restricted Working Space, Add	*5.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.67*	
26 05 33 13-2438	EA	2" Flexible 90 Degree Connector, Plain	78.75	10.84
		For Work In Restricted Working Space, Add	*6.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.43*	
26 05 33 13-2439	EA	2-1/2" Flexible 90 Degree Connector, Plain	174.60	11.59
		For Work In Restricted Working Space, Add	*7.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.56*	
26 05 33 13-2440	EA	3" Flexible 90 Degree Connector, Plain	224.48	13.62
		For Work In Restricted Working Space, Add	*8.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.51*	
26 05 33 13-2441	EA	3-1/2" Flexible 90 Degree Connector, Plain	477.52	16.65
		For Work In Restricted Working Space, Add	*9.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.46*	
26 05 33 13-2442	EA	4" Flexible 90 Degree Connector, Plain	853.95	18.91
		For Work In Restricted Working Space, Add	*11.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.35*	

26 05 33 13-2443 Insulated Throat Squeeze Type 90 Degree Connector *(26 05 33 13-2395)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2444	EA	1/2" Flexible 90 Degree Connector, Insulated	16.08	5.55
		For Work In Restricted Working Space, Add	*2.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.65*	
26 05 33 13-2445	EA	3/4" Flexible 90 Degree Connector, Insulated	20.90	6.05
		For Work In Restricted Working Space, Add	*3.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.02*	
26 05 33 13-2446	EA	1" Flexible 90 Degree Connector, Insulated	26.58	7.06
		For Work In Restricted Working Space, Add	*3.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.78*	
26 05 33 13-2447	EA	1-1/4" Flexible 90 Degree Connector, Insulated	48.66	7.57
		For Work In Restricted Working Space, Add	*4.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.54*	
26 05 33 13-2448	EA	1-1/2" Flexible 90 Degree Connector, Insulated	77.99	8.83
		For Work In Restricted Working Space, Add	*5.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.67*	
26 05 33 13-2449	EA	2" Flexible 90 Degree Connector, Insulated	99.45	10.84
		For Work In Restricted Working Space, Add	*6.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.43*	
26 05 33 13-2450	EA	2-1/2" Flexible 90 Degree Connector, Insulated	239.30	11.59
		For Work In Restricted Working Space, Add	*7.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.56*	
26 05 33 13-2451	EA	3" Flexible 90 Degree Connector, Insulated	294.58	13.62
		For Work In Restricted Working Space, Add	*8.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.51*	
26 05 33 13-2452	EA	3-1/2" Flexible 90 Degree Connector, Insulated	795.23	16.65
		For Work In Restricted Working Space, Add	*9.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.46*	
26 05 33 13-2453	EA	4" Flexible 90 Degree Connector, Insulated	1,186.71	18.91
		For Work In Restricted Working Space, Add	*11.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.35*	

26 05 33 13-2454 Plain Squeeze Type 45 Degree Connector *(26 05 33 13-2395)*

26 05 33 13-2455	EA	3/8" Flexible 45 Degree Connector, Plain	12.24	5.04
		For Work In Restricted Working Space, Add	*2.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.27*	
26 05 33 13-2456	EA	1/2" Flexible 45 Degree Connector, Plain	16.55	5.55
		For Work In Restricted Working Space, Add	*2.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.65*	
26 05 33 13-2457	EA	3/4" Flexible 45 Degree Connector, Plain	21.24	6.05
		For Work In Restricted Working Space, Add	*3.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.02*	

26 05 33 13-2458 Insulated Squeeze Type 45 Degree Connector *(26 05 33 13-2395)*

26 05 33 13-2459	EA	3/8" Flexible 45 Degree Connector, Insulated	13.13	6.05
		For Work In Restricted Working Space, Add	*2.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.27*	
26 05 33 13-2460	EA	1/2" Flexible 45 Degree Connector, Insulated	18.01	5.55
		For Work In Restricted Working Space, Add	*2.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.65*	
26 05 33 13-2461	EA	3/4" Flexible 45 Degree Connector, Insulated	23.31	6.05
		For Work In Restricted Working Space, Add	*3.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.02*	

26 05 33 13-2462 Plain Screw-In Connector *(26 05 33 13-2395)*

26 05 33 13-2463	EA	3/8" Flexible Steel Screw-in Connector, Plain	6.45	4.04
		For Work In Restricted Working Space, Add	*1.70*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.70*	
26 05 33 13-2464	EA	1/2" Flexible Steel Screw-in Connector, Plain	6.95	4.54
		For Work In Restricted Working Space, Add	*1.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.89*	
26 05 33 13-2465	EA	3/4" Flexible Steel Screw-in Connector, Plain	8.88	5.55
		For Work In Restricted Working Space, Add	*2.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.27*	
26 05 33 13-2466	EA	1" Flexible Steel Screw-in Connector, Plain	12.72	6.05
		For Work In Restricted Working Space, Add	*3.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.02*	
26 05 33 13-2467	EA	1-1/4" Flexible Steel Screw-in Connector, Plain	18.79	7.06
		For Work In Restricted Working Space, Add	*3.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.78*	
26 05 33 13-2468	EA	1-1/2" Flexible Steel Screw-in Connector, Plain	22.95	7.57
		For Work In Restricted Working Space, Add	*4.73*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.73*	
26 05 33 13-2469	EA	2" Flexible Steel Screw-in Connector, Plain	33.85	8.57
		For Work In Restricted Working Space, Add	*5.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.67*	

26 05 33 13-2470 Insulated Screw-In Connector *(26 05 33 13-2395)*

26 05 33 13-2471	EA	3/8" Flexible Steel Screw-in Connector, Insulated	6.83	4.04
		For Work In Restricted Working Space, Add	*1.70*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2472	EA	1/2" Flexible Steel Screw-in Connector, Insulated	7.25	4.54
		For Work In Restricted Working Space, Add	*1.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.89*	
26 05 33 13-2473	EA	3/4" Flexible Steel Screw-in Connector, Insulated	9.67	5.55
		For Work In Restricted Working Space, Add	*2.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.27*	
26 05 33 13-2474	EA	1" Flexible Steel Screw-in Connector, Insulated	13.92	6.05
		For Work In Restricted Working Space, Add	*3.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.02*	
26 05 33 13-2475	EA	1-1/4" Flexible Steel Screw-in Connector, Insulated	20.49	7.06
		For Work In Restricted Working Space, Add	*3.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.78*	
26 05 33 13-2476	EA	1-1/2" Flexible Steel Screw-in Connector, Insulated	24.99	7.57
		For Work In Restricted Working Space, Add	*4.73*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.73*	
26 05 33 13-2477	EA	2" Flexible Steel Screw-in Connector, Insulated	35.65	8.57
		For Work In Restricted Working Space, Add	*5.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.67*	

26 05 33 13-2478 Screw-In Coupling *(26 05 33 13-2395)*

26 05 33 13-2479	EA	1/2" Flexible Steel Screw-in Coupling	7.70	4.54
		For Work In Restricted Working Space, Add	*1.89*	
26 05 33 13-2480	EA	3/4" Flexible Steel Screw-in Coupling	10.12	5.55
		For Work In Restricted Working Space, Add	*2.27*	

26 05 33 13-2481 Flexible To Electrical Metallic Tubing (EMT) Coupling *(26 05 33 13-2395)*

26 05 33 13-2482	EA	3/8" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling	10.42	4.04
		For Work In Restricted Working Space, Add	*1.70*	
26 05 33 13-2483	EA	1/2" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling	14.22	4.54
		For Work In Restricted Working Space, Add	*1.89*	
26 05 33 13-2484	EA	3/4" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling	18.83	5.55
		For Work In Restricted Working Space, Add	*2.27*	

26 05 33 13-2485 Die Cast Squeeze Type Straight Connector *(26 05 33 13-2395)*

26 05 33 13-2486	EA	3/8" Flexible Straight Connector, Die Cast	6.69	4.04
		For Work In Restricted Working Space, Add	*1.70*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.70*	
26 05 33 13-2487	EA	1/2" Flexible Straight Connector, Die Cast	7.57	4.54
		For Work In Restricted Working Space, Add	*1.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.89*	
26 05 33 13-2488	EA	3/4" Flexible Straight Connector, Die Cast	9.41	5.55
		For Work In Restricted Working Space, Add	*2.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.27*	
26 05 33 13-2489	EA	1" Flexible Straight Connector, Die Cast	14.19	6.05
		For Work In Restricted Working Space, Add	*3.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.02*	
26 05 33 13-2490	EA	1-1/4" Flexible Straight Connector, Die Cast	19.15	7.06
		For Work In Restricted Working Space, Add	*3.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.78*	
26 05 33 13-2491	EA	1-1/2" Flexible Straight Connector, Die Cast	26.02	7.57
		For Work In Restricted Working Space, Add	*4.73*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.73*	
26 05 33 13-2492	EA	2" Flexible Straight Connector, Die Cast	33.68	8.57
		For Work In Restricted Working Space, Add	*5.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.67*	

26 05 33 13-2493 Die Cast Squeeze Type 90 Degree Connector *(26 05 33 13-2395)*

26 05 33 13-2494	EA	3/8" Flexible 90 Degree Connector, Die Cast	8.87	5.04
		For Work In Restricted Working Space, Add	*2.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.27*	
26 05 33 13-2495	EA	1/2" Flexible 90 Degree Connector, Die Cast	11.01	5.55
		For Work In Restricted Working Space, Add	*2.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.65*	
26 05 33 13-2496	EA	3/4" Flexible 90 Degree Connector, Die Cast	13.36	6.05
		For Work In Restricted Working Space, Add	*3.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.02*	
26 05 33 13-2497	EA	1" Flexible 90 Degree Connector, Die Cast	21.28	7.06
		For Work In Restricted Working Space, Add	*3.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.78*	
26 05 33 13-2498	EA	1-1/4" Flexible 90 Degree Connector, Die Cast	30.27	7.57
		For Work In Restricted Working Space, Add	*4.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.54*	
26 05 33 13-2499	EA	1-1/2" Flexible 90 Degree Connector, Die Cast	47.16	8.83
		For Work In Restricted Working Space, Add	*5.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.67*	
26 05 33 13-2500	EA	2" Flexible 90 Degree Connector, Die Cast	56.43	10.84
		For Work In Restricted Working Space, Add	*6.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.43*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2501			**Flexible Liquid Tight Non-Metallic Conduit And Connectors** *(26 05 33 13-2353)*		
26 05 33 13-2502			**Flexible Liquid Tight Non-Metallic Conduit** *(26 05 33 13-2501)*		
26 05 33 13-2503		LF	3/8" Flexible Liquid Tight Non-Metallic Conduit	4.36	1.38
			For Work In Restricted Working Space, Add	*1.04*	
26 05 33 13-2504		LF	1/2" Flexible Liquid Tight Non-Metallic Conduit	4.44	1.38
			For Work In Restricted Working Space, Add	*1.04*	
26 05 33 13-2505		LF	3/4" Flexible Liquid Tight Non-Metallic Conduit	5.96	1.84
			For Work In Restricted Working Space, Add	*1.38*	
26 05 33 13-2506		LF	1" Flexible Liquid Tight Non-Metallic Conduit	7.34	1.84
			For Work In Restricted Working Space, Add	*1.38*	
26 05 33 13-2507		LF	1-1/4" Flexible Liquid Tight Non-Metallic Conduit	9.30	2.31
			For Work In Restricted Working Space, Add	*1.73*	
26 05 33 13-2508		LF	1-1/2" Flexible Liquid Tight Non-Metallic Conduit	11.86	2.77
			For Work In Restricted Working Space, Add	*2.07*	
26 05 33 13-2509		LF	2" Flexible Liquid Tight Non-Metallic Conduit	15.24	3.69
			For Work In Restricted Working Space, Add	*2.76*	
26 05 33 13-2510			**Liquid Tight Non-Metallic Straight Connector** *(26 05 33 13-2501)*		
26 05 33 13-2511		EA	3/8" Liquid Tight Non-Metallic Straight Connector	12.53	3.69
			For Work In Restricted Working Space, Add	*2.76*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.76*	
26 05 33 13-2512		EA	1/2" Liquid Tight Non-Metallic Straight Connector	12.53	3.69
			For Work In Restricted Working Space, Add	*2.76*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.76*	
26 05 33 13-2513		EA	3/4" Liquid Tight Non-Metallic Straight Connector	15.29	4.15
			For Work In Restricted Working Space, Add	*3.11*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.11*	
26 05 33 13-2514		EA	1" Liquid Tight Non-Metallic Straight Connector	18.91	4.61
			For Work In Restricted Working Space, Add	*3.46*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.46*	
26 05 33 13-2515		EA	1-1/4" Liquid Tight Non-Metallic Straight Connector	25.93	5.07
			For Work In Restricted Working Space, Add	*3.80*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.80*	
26 05 33 13-2516		EA	1-1/2" Liquid Tight Non-Metallic Straight Connector	32.29	5.53
			For Work In Restricted Working Space, Add	*4.15*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.15*	
26 05 33 13-2517		EA	2" Liquid Tight Non-Metallic Straight Connector	50.00	6.45
			For Work In Restricted Working Space, Add	*4.84*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.84*	
26 05 33 13-2518			**Liquid Tight Non-Metallic 90 Degree Angle Connector** *(26 05 33 13-2501)*		
26 05 33 13-2519		EA	3/8" Liquid Tight Non-Metallic 90 Degree Angle Connector	18.08	5.07
			For Work In Restricted Working Space, Add	*3.80*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.80*	
26 05 33 13-2520		EA	1/2" Liquid Tight Non-Metallic 90 Degree Angle Connector	18.08	5.07
			For Work In Restricted Working Space, Add	*3.80*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.80*	
26 05 33 13-2521		EA	3/4" Liquid Tight Non-Metallic 90 Degree Angle Connector	22.14	5.53
			For Work In Restricted Working Space, Add	*4.15*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.15*	
26 05 33 13-2522		EA	1" Liquid Tight Non-Metallic 90 Degree Angle Connector	31.15	6.45
			For Work In Restricted Working Space, Add	*4.84*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.84*	
26 05 33 13-2523		EA	1-1/4" Liquid Tight Non-Metallic 90 Degree Angle Connector	32.21	6.91
			For Work In Restricted Working Space, Add	*5.18*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.18*	
26 05 33 13-2524		EA	1-1/2" Liquid Tight Non-Metallic 90 Degree Angle Connector	50.46	7.37
			For Work In Restricted Working Space, Add	*5.53*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.53*	
26 05 33 13-2525		EA	2" Liquid Tight Non-Metallic 90 Degree Angle Connector	67.61	8.29
			For Work In Restricted Working Space, Add	*6.22*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.22*	
26 05 33 13-2526			**Liquid Tight Non-Metallic 45 Degree Angle Connector** *(26 05 33 13-2501)*		
26 05 33 13-2527		EA	3/8" Liquid Tight Non-Metallic 45 Degree Angle Connector	18.08	5.07
			For Work In Restricted Working Space, Add	*3.80*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.80*	
26 05 33 13-2528		EA	1/2" Liquid Tight Non-Metallic 45 Degree Angle Connector	18.08	5.07
			For Work In Restricted Working Space, Add	*3.80*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.80*	
26 05 33 13-2529		EA	3/4" Liquid Tight Non-Metallic 45 Degree Angle Connector	22.14	5.53
			For Work In Restricted Working Space, Add	*4.15*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.15*	
26 05 33 13-2530		EA	1" Liquid Tight Non-Metallic 45 Degree Angle Connector	31.15	6.45
			For Work In Restricted Working Space, Add	*4.84*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.84*	
26 05 33 13-2531		EA	1-1/4" Liquid Tight Non-Metallic 45 Degree Angle Connector	32.21	6.91
			For Work In Restricted Working Space, Add	*5.18*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2532	EA	1-1/2" Liquid Tight Non-Metallic 45 Degree Angle Connector	50.46	7.37
		For Work In Restricted Working Space, Add	*5.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.53*	
26 05 33 13-2533	EA	2" Liquid Tight Non-Metallic 45 Degree Angle Connector	67.61	8.29
		For Work In Restricted Working Space, Add	*6.22*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.22*	
26 05 33 13-2534		**Blue ENT Electrical Non-Metallic Tubing** *(26 05 33 13-2353)*		
		Note: Carlon - FLEX-PLUS.		
26 05 33 13-2535		**Blue ENT Electrical Non-Metallic Tubing** *(26 05 33 13-2534)*		
26 05 33 13-2536	LF	1/2" Blue ENT Electrical Non-Metallic Tubing	5.45	1.51
		For Work In Restricted Working Space, Add	*1.13*	
26 05 33 13-2537	LF	3/4" Blue ENT Electrical Non-Metallic Tubing	7.36	2.01
		For Work In Restricted Working Space, Add	*1.51*	
26 05 33 13-2538	LF	1" Blue ENT Electrical Non-Metallic Tubing	8.79	2.01
		For Work In Restricted Working Space, Add	*1.51*	
26 05 33 13-2539		**Terminal Adapter** *(26 05 33 13-2534)*		
26 05 33 13-2540	EA	1/2" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing	12.82	4.04
		For Work In Restricted Working Space, Add	*3.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.02*	
26 05 33 13-2541	EA	3/4" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing	16.34	4.54
		For Work In Restricted Working Space, Add	*3.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.40*	
26 05 33 13-2542	EA	1" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing	19.04	5.04
		For Work In Restricted Working Space, Add	*3.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.78*	
26 05 33 13-2543		**Coupling** *(26 05 33 13-2534)*		
26 05 33 13-2544	EA	1/2" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing	12.46	4.04
		For Work In Restricted Working Space, Add	*3.02*	
26 05 33 13-2545	EA	3/4" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing	14.44	4.54
		For Work In Restricted Working Space, Add	*3.40*	
26 05 33 13-2546	EA	1" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing	17.25	5.04
		For Work In Restricted Working Space, Add	*3.78*	
26 05 33 13-2547		**Metallic Conduit Bodies** *(26 05 33 13-0058)*		
26 05 33 13-2548		**Threaded, Cast Aluminum Conduit Body** *(26 05 33 13-2547)*		
		Note: For use with Rigid Galvanized Steel (RGS), Galvanized Rigid Steel Conduit (GRC), Intermediate Metal Conduit (IMC), or Aluminum Rigid Conduit (ARC)		
26 05 33 13-2549		**Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover** *(26 05 33 13-2548)*		
26 05 33 13-2550	EA	1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	64.16	22.11
		For Mogul LB, Add	*3.89*	
		For Work In Restricted Working Space, Add	*16.59*	
		For Elevated Installation >10' To 15', Add	*5.53*	
		For Elevated Installation >15' To 20', Add	*11.06*	
		For Elevated Installation >20' To 25', Add	*13.82*	
		For Elevated Installation >25' To 30', Add	*19.35*	
		For Elevated Installation >30' To 35', Add	*22.12*	
		For Elevated Installation >35' To 40', Add	*27.65*	
		For Elevated Installation >40', Add	*30.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.59*	
26 05 33 13-2551	EA	3/4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	75.39	25.34
		For Mogul LB, Add	*5.87*	
		For Work In Restricted Working Space, Add	*19.00*	
		For Elevated Installation >10' To 15', Add	*6.33*	
		For Elevated Installation >15' To 20', Add	*12.67*	
		For Elevated Installation >20' To 25', Add	*15.84*	
		For Elevated Installation >25' To 30', Add	*22.17*	
		For Elevated Installation >30' To 35', Add	*25.34*	
		For Elevated Installation >35' To 40', Add	*31.67*	
		For Elevated Installation >40', Add	*34.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.00*	
26 05 33 13-2552	EA	1" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	90.86	29.48
		For Mogul LB, Add	*9.18*	
		For Work In Restricted Working Space, Add	*22.11*	
		For Elevated Installation >10' To 15', Add	*7.37*	
		For Elevated Installation >15' To 20', Add	*14.74*	
		For Elevated Installation >20' To 25', Add	*18.43*	
		For Elevated Installation >25' To 30', Add	*25.80*	
		For Elevated Installation >30' To 35', Add	*29.48*	
		For Elevated Installation >35' To 40', Add	*36.86*	
		For Elevated Installation >40', Add	*40.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2553	EA	1-1/4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	109.70	33.63
		For Mogul LB, Add	*15.00*	
		For Work In Restricted Working Space, Add	*25.23*	
		For Elevated Installation >10' To 15', Add	*8.41*	
		For Elevated Installation >15' To 20', Add	*16.82*	
		For Elevated Installation >20' To 25', Add	*21.02*	
		For Elevated Installation >25' To 30', Add	*29.43*	
		For Elevated Installation >30' To 35', Add	*33.64*	
		For Elevated Installation >35' To 40', Add	*42.05*	
		For Elevated Installation >40', Add	*46.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.23*	
26 05 33 13-2554	EA	1-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	125.18	36.86
		For Mogul LB, Add	*20.17*	
		For Work In Restricted Working Space, Add	*27.64*	
		For Elevated Installation >10' To 15', Add	*9.21*	
		For Elevated Installation >15' To 20', Add	*18.43*	
		For Elevated Installation >20' To 25', Add	*23.04*	
		For Elevated Installation >25' To 30', Add	*32.25*	
		For Elevated Installation >30' To 35', Add	*36.86*	
		For Elevated Installation >35' To 40', Add	*46.07*	
		For Elevated Installation >40', Add	*50.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.64*	
26 05 33 13-2555	EA	2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	163.93	44.23
		For Mogul LB, Add	*34.49*	
		For Work In Restricted Working Space, Add	*33.17*	
		For Elevated Installation >10' To 15', Add	*11.06*	
		For Elevated Installation >15' To 20', Add	*22.11*	
		For Elevated Installation >20' To 25', Add	*27.64*	
		For Elevated Installation >25' To 30', Add	*38.70*	
		For Elevated Installation >30' To 35', Add	*44.23*	
		For Elevated Installation >35' To 40', Add	*55.29*	
		For Elevated Installation >40', Add	*60.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.17*	
26 05 33 13-2556	EA	2-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	273.59	62.20
		For Mogul LB, Add	*80.80*	
		For Work In Restricted Working Space, Add	*46.65*	
		For Elevated Installation >10' To 15', Add	*15.55*	
		For Elevated Installation >15' To 20', Add	*31.10*	
		For Elevated Installation >20' To 25', Add	*38.87*	
		For Elevated Installation >25' To 30', Add	*54.42*	
		For Elevated Installation >30' To 35', Add	*62.20*	
		For Elevated Installation >35' To 40', Add	*77.75*	
		For Elevated Installation >40', Add	*85.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*46.65*	
26 05 33 13-2557	EA	3" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	359.82	82.93
		For Mogul LB, Add	*104.00*	
		For Work In Restricted Working Space, Add	*62.20*	
		For Elevated Installation >10' To 15', Add	*20.73*	
		For Elevated Installation >15' To 20', Add	*41.47*	
		For Elevated Installation >20' To 25', Add	*51.83*	
		For Elevated Installation >25' To 30', Add	*72.57*	
		For Elevated Installation >30' To 35', Add	*82.93*	
		For Elevated Installation >35' To 40', Add	*103.67*	
		For Elevated Installation >40', Add	*114.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*62.20*	
26 05 33 13-2558	EA	3-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	477.24	103.66
		For Mogul LB, Add	*150.61*	
		For Work In Restricted Working Space, Add	*77.75*	
		For Elevated Installation >10' To 15', Add	*25.92*	
		For Elevated Installation >15' To 20', Add	*51.83*	
		For Elevated Installation >20' To 25', Add	*64.79*	
		For Elevated Installation >25' To 30', Add	*90.70*	
		For Elevated Installation >30' To 35', Add	*103.66*	
		For Elevated Installation >35' To 40', Add	*129.58*	
		For Elevated Installation >40', Add	*142.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*77.75*	
26 05 33 13-2559	EA	4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	618.63	126.24
		For Mogul LB, Add	*211.50*	
		For Work In Restricted Working Space, Add	*94.68*	
		For Elevated Installation >10' To 15', Add	*31.56*	
		For Elevated Installation >15' To 20', Add	*63.12*	
		For Elevated Installation >20' To 25', Add	*78.90*	
		For Elevated Installation >25' To 30', Add	*110.46*	
		For Elevated Installation >30' To 35', Add	*126.24*	
		For Elevated Installation >35' To 40', Add	*157.80*	
		For Elevated Installation >40', Add	*173.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*94.68*	

26 05 33 13-2560 Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2548)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2561	EA	1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	65.24	22.11
		For Mogul LB, Add	*4.70*	
		For Work In Restricted Working Space, Add	*16.59*	
		For Elevated Installation >10' To 15', Add	*5.53*	
		For Elevated Installation >15' To 20', Add	*11.06*	
		For Elevated Installation >20' To 25', Add	*13.82*	
		For Elevated Installation >25' To 30', Add	*19.35*	
		For Elevated Installation >30' To 35', Add	*22.12*	
		For Elevated Installation >35' To 40', Add	*27.65*	
		For Elevated Installation >40', Add	*30.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.59*	
26 05 33 13-2562	EA	3/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	76.44	25.34
		For Mogul LB, Add	*6.66*	
		For Work In Restricted Working Space, Add	*19.00*	
		For Elevated Installation >10' To 15', Add	*6.33*	
		For Elevated Installation >15' To 20', Add	*12.67*	
		For Elevated Installation >20' To 25', Add	*15.84*	
		For Elevated Installation >25' To 30', Add	*22.17*	
		For Elevated Installation >30' To 35', Add	*25.34*	
		For Elevated Installation >35' To 40', Add	*31.67*	
		For Elevated Installation >40', Add	*34.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.00*	
26 05 33 13-2563	EA	1" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	92.98	29.48
		For Mogul LB, Add	*10.77*	
		For Work In Restricted Working Space, Add	*22.11*	
		For Elevated Installation >10' To 15', Add	*7.37*	
		For Elevated Installation >15' To 20', Add	*14.74*	
		For Elevated Installation >20' To 25', Add	*18.43*	
		For Elevated Installation >25' To 30', Add	*25.80*	
		For Elevated Installation >30' To 35', Add	*29.48*	
		For Elevated Installation >35' To 40', Add	*36.86*	
		For Elevated Installation >40', Add	*40.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.11*	
26 05 33 13-2564	EA	1-1/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	112.28	33.63
		For Mogul LB, Add	*16.94*	
		For Work In Restricted Working Space, Add	*25.23*	
		For Elevated Installation >10' To 15', Add	*8.41*	
		For Elevated Installation >15' To 20', Add	*16.82*	
		For Elevated Installation >20' To 25', Add	*21.02*	
		For Elevated Installation >25' To 30', Add	*29.43*	
		For Elevated Installation >30' To 35', Add	*33.64*	
		For Elevated Installation >35' To 40', Add	*42.05*	
		For Elevated Installation >40', Add	*46.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.23*	
26 05 33 13-2565	EA	1-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	129.57	36.86
		For Mogul LB, Add	*23.47*	
		For Work In Restricted Working Space, Add	*27.64*	
		For Elevated Installation >10' To 15', Add	*9.21*	
		For Elevated Installation >15' To 20', Add	*18.43*	
		For Elevated Installation >20' To 25', Add	*23.04*	
		For Elevated Installation >25' To 30', Add	*32.25*	
		For Elevated Installation >30' To 35', Add	*36.86*	
		For Elevated Installation >35' To 40', Add	*46.07*	
		For Elevated Installation >40', Add	*50.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.64*	
26 05 33 13-2566	EA	2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	173.37	44.23
		For Mogul LB, Add	*41.57*	
		For Work In Restricted Working Space, Add	*33.17*	
		For Elevated Installation >10' To 15', Add	*11.06*	
		For Elevated Installation >15' To 20', Add	*22.11*	
		For Elevated Installation >20' To 25', Add	*27.64*	
		For Elevated Installation >25' To 30', Add	*38.70*	
		For Elevated Installation >30' To 35', Add	*44.23*	
		For Elevated Installation >35' To 40', Add	*55.29*	
		For Elevated Installation >40', Add	*60.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.17*	
26 05 33 13-2567	EA	2-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	268.83	62.20
		For Mogul LB, Add	*77.23*	
		For Work In Restricted Working Space, Add	*46.65*	
		For Elevated Installation >10' To 15', Add	*15.55*	
		For Elevated Installation >15' To 20', Add	*31.10*	
		For Elevated Installation >20' To 25', Add	*38.87*	
		For Elevated Installation >25' To 30', Add	*54.42*	
		For Elevated Installation >30' To 35', Add	*62.20*	
		For Elevated Installation >35' To 40', Add	*77.75*	
		For Elevated Installation >40', Add	*85.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*46.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2568	EA	3" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	343.81	82.93
		For Mogul LB, Add	*91.99*	
		For Work In Restricted Working Space, Add	*62.20*	
		For Elevated Installation >10' To 15', Add	*20.73*	
		For Elevated Installation >15' To 20', Add	*41.47*	
		For Elevated Installation >20' To 25', Add	*51.83*	
		For Elevated Installation >25' To 30', Add	*72.57*	
		For Elevated Installation >30' To 35', Add	*82.93*	
		For Elevated Installation >35' To 40', Add	*103.67*	
		For Elevated Installation >40', Add	*114.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*62.20*	
26 05 33 13-2569	EA	3-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	490.87	103.66
		For Mogul LB, Add	*160.83*	
		For Work In Restricted Working Space, Add	*77.75*	
		For Elevated Installation >10' To 15', Add	*25.92*	
		For Elevated Installation >15' To 20', Add	*51.83*	
		For Elevated Installation >20' To 25', Add	*64.79*	
		For Elevated Installation >25' To 30', Add	*90.70*	
		For Elevated Installation >30' To 35', Add	*103.66*	
		For Elevated Installation >35' To 40', Add	*129.58*	
		For Elevated Installation >40', Add	*142.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*77.75*	
26 05 33 13-2570	EA	4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	646.52	126.24
		For Mogul LB, Add	*232.42*	
		For Work In Restricted Working Space, Add	*94.68*	
		For Elevated Installation >10' To 15', Add	*31.56*	
		For Elevated Installation >15' To 20', Add	*63.12*	
		For Elevated Installation >20' To 25', Add	*78.90*	
		For Elevated Installation >25' To 30', Add	*110.46*	
		For Elevated Installation >30' To 35', Add	*126.24*	
		For Elevated Installation >35' To 40', Add	*157.80*	
		For Elevated Installation >40', Add	*173.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*94.68*	
26 05 33 13-2571		Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2548)*		
26 05 33 13-2572	EA	1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	75.10	25.34
		For Work In Restricted Working Space, Add	*19.00*	
		For Elevated Installation >10' To 15', Add	*6.33*	
		For Elevated Installation >15' To 20', Add	*12.67*	
		For Elevated Installation >20' To 25', Add	*15.84*	
		For Elevated Installation >25' To 30', Add	*22.17*	
		For Elevated Installation >30' To 35', Add	*25.34*	
		For Elevated Installation >35' To 40', Add	*31.67*	
		For Elevated Installation >40', Add	*34.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.00*	
26 05 33 13-2573	EA	3/4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	88.85	29.48
		For Work In Restricted Working Space, Add	*22.11*	
		For Elevated Installation >10' To 15', Add	*7.37*	
		For Elevated Installation >15' To 20', Add	*14.74*	
		For Elevated Installation >20' To 25', Add	*18.43*	
		For Elevated Installation >25' To 30', Add	*25.80*	
		For Elevated Installation >30' To 35', Add	*29.48*	
		For Elevated Installation >35' To 40', Add	*36.86*	
		For Elevated Installation >40', Add	*40.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.11*	
26 05 33 13-2574	EA	1" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	102.06	32.25
		For Work In Restricted Working Space, Add	*24.19*	
		For Elevated Installation >10' To 15', Add	*8.06*	
		For Elevated Installation >15' To 20', Add	*16.13*	
		For Elevated Installation >20' To 25', Add	*20.16*	
		For Elevated Installation >25' To 30', Add	*28.22*	
		For Elevated Installation >30' To 35', Add	*32.25*	
		For Elevated Installation >35' To 40', Add	*40.32*	
		For Elevated Installation >40', Add	*44.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.19*	
26 05 33 13-2575	EA	1-1/4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	124.62	36.86
		For Work In Restricted Working Space, Add	*27.64*	
		For Elevated Installation >10' To 15', Add	*9.21*	
		For Elevated Installation >15' To 20', Add	*18.43*	
		For Elevated Installation >20' To 25', Add	*23.04*	
		For Elevated Installation >25' To 30', Add	*32.25*	
		For Elevated Installation >30' To 35', Add	*36.86*	
		For Elevated Installation >35' To 40', Add	*46.07*	
		For Elevated Installation >40', Add	*50.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.64*	
26 05 33 13-2576	EA	1-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	143.58	40.54
		For Work In Restricted Working Space, Add	*30.41*	
		For Elevated Installation >10' To 15', Add	*10.14*	
		For Elevated Installation >15' To 20', Add	*20.27*	
		For Elevated Installation >20' To 25', Add	*25.34*	
		For Elevated Installation >25' To 30', Add	*35.48*	
		For Elevated Installation >30' To 35', Add	*40.54*	
		For Elevated Installation >35' To 40', Add	*50.68*	
		For Elevated Installation >40', Add	*55.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2577	EA	2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	190.85	47.46
		For Work In Restricted Working Space, Add	*35.59*	
		For Elevated Installation >10' To 15', Add	*11.86*	
		For Elevated Installation >15' To 20', Add	*23.73*	
		For Elevated Installation >20' To 25', Add	*29.66*	
		For Elevated Installation >25' To 30', Add	*41.52*	
		For Elevated Installation >30' To 35', Add	*47.46*	
		For Elevated Installation >35' To 40', Add	*59.32*	
		For Elevated Installation >40', Add	*65.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.59*	
26 05 33 13-2578	EA	2-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	300.36	69.11
		For Work In Restricted Working Space, Add	*51.83*	
		For Elevated Installation >10' To 15', Add	*17.28*	
		For Elevated Installation >15' To 20', Add	*34.55*	
		For Elevated Installation >20' To 25', Add	*43.19*	
		For Elevated Installation >25' To 30', Add	*60.47*	
		For Elevated Installation >30' To 35', Add	*69.11*	
		For Elevated Installation >35' To 40', Add	*86.39*	
		For Elevated Installation >40', Add	*95.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*51.83*	
26 05 33 13-2579	EA	3" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	388.15	89.84
		For Work In Restricted Working Space, Add	*67.38*	
		For Elevated Installation >10' To 15', Add	*22.46*	
		For Elevated Installation >15' To 20', Add	*44.92*	
		For Elevated Installation >20' To 25', Add	*56.15*	
		For Elevated Installation >25' To 30', Add	*78.61*	
		For Elevated Installation >30' To 35', Add	*89.84*	
		For Elevated Installation >35' To 40', Add	*112.30*	
		For Elevated Installation >40', Add	*123.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.38*	
26 05 33 13-2580	EA	3-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	616.12	110.57
		For Work In Restricted Working Space, Add	*82.93*	
		For Elevated Installation >10' To 15', Add	*27.64*	
		For Elevated Installation >15' To 20', Add	*55.29*	
		For Elevated Installation >20' To 25', Add	*69.11*	
		For Elevated Installation >25' To 30', Add	*96.75*	
		For Elevated Installation >30' To 35', Add	*110.57*	
		For Elevated Installation >35' To 40', Add	*138.22*	
		For Elevated Installation >40', Add	*152.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*82.93*	
26 05 33 13-2581	EA	4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	706.89	133.15
		For Work In Restricted Working Space, Add	*99.86*	
		For Elevated Installation >10' To 15', Add	*33.29*	
		For Elevated Installation >15' To 20', Add	*66.57*	
		For Elevated Installation >20' To 25', Add	*83.22*	
		For Elevated Installation >25' To 30', Add	*116.50*	
		For Elevated Installation >30' To 35', Add	*133.15*	
		For Elevated Installation >35' To 40', Add	*166.44*	
		For Elevated Installation >40', Add	*183.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*99.86*	

26 05 33 13-2582 Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2548)*

26 05 33 13-2583	EA	1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	65.46	22.11
		For Work In Restricted Working Space, Add	*16.59*	
		For Elevated Installation >10' To 15', Add	*5.53*	
		For Elevated Installation >15' To 20', Add	*11.06*	
		For Elevated Installation >20' To 25', Add	*13.82*	
		For Elevated Installation >25' To 30', Add	*19.35*	
		For Elevated Installation >30' To 35', Add	*22.12*	
		For Elevated Installation >35' To 40', Add	*27.65*	
		For Elevated Installation >40', Add	*30.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.59*	
26 05 33 13-2584	EA	3/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	75.69	25.34
		For Work In Restricted Working Space, Add	*19.00*	
		For Elevated Installation >10' To 15', Add	*6.33*	
		For Elevated Installation >15' To 20', Add	*12.67*	
		For Elevated Installation >20' To 25', Add	*15.84*	
		For Elevated Installation >25' To 30', Add	*22.17*	
		For Elevated Installation >30' To 35', Add	*25.34*	
		For Elevated Installation >35' To 40', Add	*31.67*	
		For Elevated Installation >40', Add	*34.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.00*	
26 05 33 13-2585	EA	1" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	90.98	29.02
		For Work In Restricted Working Space, Add	*21.77*	
		For Elevated Installation >10' To 15', Add	*7.26*	
		For Elevated Installation >15' To 20', Add	*14.51*	
		For Elevated Installation >20' To 25', Add	*18.14*	
		For Elevated Installation >25' To 30', Add	*25.40*	
		For Elevated Installation >30' To 35', Add	*29.03*	
		For Elevated Installation >35' To 40', Add	*36.29*	
		For Elevated Installation >40', Add	*39.91*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2586	EA	1-1/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	111.25	33.63
		For Work In Restricted Working Space, Add	*25.23*	
		For Elevated Installation >10' To 15', Add	*8.41*	
		For Elevated Installation >15' To 20', Add	*16.82*	
		For Elevated Installation >20' To 25', Add	*21.02*	
		For Elevated Installation >25' To 30', Add	*29.43*	
		For Elevated Installation >30' To 35', Add	*33.64*	
		For Elevated Installation >35' To 40', Add	*42.05*	
		For Elevated Installation >40', Add	*46.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.23*	
26 05 33 13-2587	EA	1-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	124.46	36.86
		For Work In Restricted Working Space, Add	*27.64*	
		For Elevated Installation >10' To 15', Add	*9.21*	
		For Elevated Installation >15' To 20', Add	*18.43*	
		For Elevated Installation >20' To 25', Add	*23.04*	
		For Elevated Installation >25' To 30', Add	*32.25*	
		For Elevated Installation >30' To 35', Add	*36.86*	
		For Elevated Installation >35' To 40', Add	*46.07*	
		For Elevated Installation >40', Add	*50.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.64*	
26 05 33 13-2588	EA	2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	164.01	44.23
		For Work In Restricted Working Space, Add	*33.17*	
		For Elevated Installation >10' To 15', Add	*11.06*	
		For Elevated Installation >15' To 20', Add	*22.11*	
		For Elevated Installation >20' To 25', Add	*27.64*	
		For Elevated Installation >25' To 30', Add	*38.70*	
		For Elevated Installation >30' To 35', Add	*44.23*	
		For Elevated Installation >35' To 40', Add	*55.29*	
		For Elevated Installation >40', Add	*60.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.17*	
26 05 33 13-2589	EA	2-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	264.82	62.20
		For Work In Restricted Working Space, Add	*46.65*	
		For Elevated Installation >10' To 15', Add	*15.55*	
		For Elevated Installation >15' To 20', Add	*31.10*	
		For Elevated Installation >20' To 25', Add	*38.87*	
		For Elevated Installation >25' To 30', Add	*54.42*	
		For Elevated Installation >30' To 35', Add	*62.20*	
		For Elevated Installation >35' To 40', Add	*77.75*	
		For Elevated Installation >40', Add	*85.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*46.65*	
26 05 33 13-2590	EA	3" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	341.25	82.93
		For Work In Restricted Working Space, Add	*62.20*	
		For Elevated Installation >10' To 15', Add	*20.73*	
		For Elevated Installation >15' To 20', Add	*41.47*	
		For Elevated Installation >20' To 25', Add	*51.83*	
		For Elevated Installation >25' To 30', Add	*72.57*	
		For Elevated Installation >30' To 35', Add	*82.93*	
		For Elevated Installation >35' To 40', Add	*103.67*	
		For Elevated Installation >40', Add	*114.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*62.20*	
26 05 33 13-2591	EA	3-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	482.67	103.66
		For Work In Restricted Working Space, Add	*77.75*	
		For Elevated Installation >10' To 15', Add	*25.92*	
		For Elevated Installation >15' To 20', Add	*51.83*	
		For Elevated Installation >20' To 25', Add	*64.79*	
		For Elevated Installation >25' To 30', Add	*90.70*	
		For Elevated Installation >30' To 35', Add	*103.66*	
		For Elevated Installation >35' To 40', Add	*129.58*	
		For Elevated Installation >40', Add	*142.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*77.75*	
26 05 33 13-2592	EA	4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	621.19	126.24
		For Work In Restricted Working Space, Add	*94.68*	
		For Elevated Installation >10' To 15', Add	*31.56*	
		For Elevated Installation >15' To 20', Add	*63.12*	
		For Elevated Installation >20' To 25', Add	*78.90*	
		For Elevated Installation >25' To 30', Add	*110.46*	
		For Elevated Installation >30' To 35', Add	*126.24*	
		For Elevated Installation >35' To 40', Add	*157.80*	
		For Elevated Installation >40', Add	*173.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*94.68*	

26 05 33 13-2593 Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2548)*

26 05 33 13-2594	EA	1/2"Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	87.01	29.02
		For Work In Restricted Working Space, Add	*21.77*	
		For Elevated Installation >10' To 15', Add	*7.26*	
		For Elevated Installation >15' To 20', Add	*14.51*	
		For Elevated Installation >20' To 25', Add	*18.14*	
		For Elevated Installation >25' To 30', Add	*25.40*	
		For Elevated Installation >30' To 35', Add	*29.03*	
		For Elevated Installation >35' To 40', Add	*36.29*	
		For Elevated Installation >40', Add	*39.91*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2595	EA	3/4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	100.16	32.25
		For Work In Restricted Working Space, Add	*24.19*	
		For Elevated Installation >10' To 15', Add	*8.06*	
		For Elevated Installation >15' To 20', Add	*16.13*	
		For Elevated Installation >20' To 25', Add	*20.16*	
		For Elevated Installation >25' To 30', Add	*28.22*	
		For Elevated Installation >30' To 35', Add	*32.25*	
		For Elevated Installation >35' To 40', Add	*40.32*	
		For Elevated Installation >40', Add	*44.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.19*	
26 05 33 13-2596	EA	1" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	121.73	35.48
		For Work In Restricted Working Space, Add	*26.61*	
		For Elevated Installation >10' To 15', Add	*8.87*	
		For Elevated Installation >15' To 20', Add	*17.74*	
		For Elevated Installation >20' To 25', Add	*22.17*	
		For Elevated Installation >25' To 30', Add	*31.04*	
		For Elevated Installation >30' To 35', Add	*35.48*	
		For Elevated Installation >35' To 40', Add	*44.35*	
		For Elevated Installation >40', Add	*48.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.61*	
26 05 33 13-2597	EA	1-1/4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	140.26	40.54
		For Work In Restricted Working Space, Add	*30.41*	
		For Elevated Installation >10' To 15', Add	*10.14*	
		For Elevated Installation >15' To 20', Add	*20.27*	
		For Elevated Installation >20' To 25', Add	*25.34*	
		For Elevated Installation >25' To 30', Add	*35.48*	
		For Elevated Installation >30' To 35', Add	*40.54*	
		For Elevated Installation >35' To 40', Add	*50.68*	
		For Elevated Installation >40', Add	*55.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.41*	
26 05 33 13-2598	EA	1-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	178.70	44.23
		For Work In Restricted Working Space, Add	*33.17*	
		For Elevated Installation >10' To 15', Add	*11.06*	
		For Elevated Installation >15' To 20', Add	*22.11*	
		For Elevated Installation >20' To 25', Add	*27.64*	
		For Elevated Installation >25' To 30', Add	*38.70*	
		For Elevated Installation >30' To 35', Add	*44.23*	
		For Elevated Installation >35' To 40', Add	*55.29*	
		For Elevated Installation >40', Add	*60.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.17*	
26 05 33 13-2599	EA	2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	216.25	54.36
		For Work In Restricted Working Space, Add	*40.77*	
		For Elevated Installation >10' To 15', Add	*13.59*	
		For Elevated Installation >15' To 20', Add	*27.18*	
		For Elevated Installation >20' To 25', Add	*33.98*	
		For Elevated Installation >25' To 30', Add	*47.57*	
		For Elevated Installation >30' To 35', Add	*54.36*	
		For Elevated Installation >35' To 40', Add	*67.96*	
		For Elevated Installation >40', Add	*74.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.77*	
26 05 33 13-2600	EA	2-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	398.60	79.70
		For Work In Restricted Working Space, Add	*59.78*	
		For Elevated Installation >10' To 15', Add	*19.93*	
		For Elevated Installation >15' To 20', Add	*39.85*	
		For Elevated Installation >20' To 25', Add	*49.82*	
		For Elevated Installation >25' To 30', Add	*69.74*	
		For Elevated Installation >30' To 35', Add	*79.70*	
		For Elevated Installation >35' To 40', Add	*99.63*	
		For Elevated Installation >40', Add	*109.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*59.78*	
26 05 33 13-2601	EA	3" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	492.67	103.66
		For Work In Restricted Working Space, Add	*77.75*	
		For Elevated Installation >10' To 15', Add	*25.92*	
		For Elevated Installation >15' To 20', Add	*51.83*	
		For Elevated Installation >20' To 25', Add	*64.79*	
		For Elevated Installation >25' To 30', Add	*90.70*	
		For Elevated Installation >30' To 35', Add	*103.66*	
		For Elevated Installation >35' To 40', Add	*129.58*	
		For Elevated Installation >40', Add	*142.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*77.75*	
26 05 33 13-2602	EA	3-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	699.14	128.08
		For Work In Restricted Working Space, Add	*96.75*	
		For Elevated Installation >10' To 15', Add	*32.25*	
		For Elevated Installation >15' To 20', Add	*64.50*	
		For Elevated Installation >20' To 25', Add	*80.63*	
		For Elevated Installation >25' To 30', Add	*112.88*	
		For Elevated Installation >30' To 35', Add	*129.00*	
		For Elevated Installation >35' To 40', Add	*161.26*	
		For Elevated Installation >40', Add	*177.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*96.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2603	EA	4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	844.16	153.88
		For Work In Restricted Working Space, Add	*115.41*	
		For Elevated Installation >10' To 15', Add	*38.47*	
		For Elevated Installation >15' To 20', Add	*76.94*	
		For Elevated Installation >20' To 25', Add	*96.18*	
		For Elevated Installation >25' To 30', Add	*134.65*	
		For Elevated Installation >30' To 35', Add	*153.88*	
		For Elevated Installation >35' To 40', Add	*192.35*	
		For Elevated Installation >40', Add	*211.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*115.41*	
26 05 33 13-2604		**Threaded, Malleable Iron Conduit Body** *(26 05 33 13-2547)* Note: For use with Rigid Galvanized Steel (RGS), Galvanized Rigid Steel Conduit (GRC), or Intermediate Metal Conduit (IMC)		
26 05 33 13-2605		**Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover** *(26 05 33 13-2604)*		
26 05 33 13-2606	EA	1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	67.18	22.11
		For Work In Restricted Working Space, Add	*16.59*	
		For Elevated Installation >10' To 15', Add	*5.53*	
		For Elevated Installation >15' To 20', Add	*11.06*	
		For Elevated Installation >20' To 25', Add	*13.82*	
		For Elevated Installation >25' To 30', Add	*19.35*	
		For Elevated Installation >30' To 35', Add	*22.12*	
		For Elevated Installation >35' To 40', Add	*27.65*	
		For Elevated Installation >40', Add	*30.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.59*	
26 05 33 13-2607	EA	3/4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	77.92	25.34
		For Work In Restricted Working Space, Add	*19.00*	
		For Elevated Installation >10' To 15', Add	*6.33*	
		For Elevated Installation >15' To 20', Add	*12.67*	
		For Elevated Installation >20' To 25', Add	*15.84*	
		For Elevated Installation >25' To 30', Add	*22.17*	
		For Elevated Installation >30' To 35', Add	*25.34*	
		For Elevated Installation >35' To 40', Add	*31.67*	
		For Elevated Installation >40', Add	*34.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.00*	
26 05 33 13-2608	EA	1" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	95.43	29.48
		For Work In Restricted Working Space, Add	*22.11*	
		For Elevated Installation >10' To 15', Add	*7.37*	
		For Elevated Installation >15' To 20', Add	*14.74*	
		For Elevated Installation >20' To 25', Add	*18.43*	
		For Elevated Installation >25' To 30', Add	*25.80*	
		For Elevated Installation >30' To 35', Add	*29.48*	
		For Elevated Installation >35' To 40', Add	*36.86*	
		For Elevated Installation >40', Add	*40.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.11*	
26 05 33 13-2609	EA	1-1/4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	123.06	33.63
		For Work In Restricted Working Space, Add	*25.22*	
		For Elevated Installation >10' To 15', Add	*8.41*	
		For Elevated Installation >15' To 20', Add	*16.82*	
		For Elevated Installation >20' To 25', Add	*21.02*	
		For Elevated Installation >25' To 30', Add	*29.43*	
		For Elevated Installation >30' To 35', Add	*33.63*	
		For Elevated Installation >35' To 40', Add	*42.04*	
		For Elevated Installation >40', Add	*46.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.22*	
26 05 33 13-2610	EA	1-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	139.95	36.86
		For Work In Restricted Working Space, Add	*27.64*	
		For Elevated Installation >10' To 15', Add	*9.21*	
		For Elevated Installation >15' To 20', Add	*18.43*	
		For Elevated Installation >20' To 25', Add	*23.04*	
		For Elevated Installation >25' To 30', Add	*32.25*	
		For Elevated Installation >30' To 35', Add	*36.86*	
		For Elevated Installation >35' To 40', Add	*46.07*	
		For Elevated Installation >40', Add	*50.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.64*	
26 05 33 13-2611	EA	2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	190.59	44.23
		For Work In Restricted Working Space, Add	*33.17*	
		For Elevated Installation >10' To 15', Add	*11.06*	
		For Elevated Installation >15' To 20', Add	*22.12*	
		For Elevated Installation >20' To 25', Add	*27.65*	
		For Elevated Installation >25' To 30', Add	*38.70*	
		For Elevated Installation >30' To 35', Add	*44.23*	
		For Elevated Installation >35' To 40', Add	*55.29*	
		For Elevated Installation >40', Add	*60.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.17*	
26 05 33 13-2612	EA	2-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	319.27	62.20
		For Work In Restricted Working Space, Add	*46.65*	
		For Elevated Installation >10' To 15', Add	*15.55*	
		For Elevated Installation >15' To 20', Add	*31.10*	
		For Elevated Installation >20' To 25', Add	*38.88*	
		For Elevated Installation >25' To 30', Add	*54.43*	
		For Elevated Installation >30' To 35', Add	*62.20*	
		For Elevated Installation >35' To 40', Add	*77.75*	
		For Elevated Installation >40', Add	*85.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*46.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2613	EA	3" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	451.64	82.93
		For Work In Restricted Working Space, Add	*62.20*	
		For Elevated Installation >10' To 15', Add	*20.73*	
		For Elevated Installation >15' To 20', Add	*41.47*	
		For Elevated Installation >20' To 25', Add	*51.83*	
		For Elevated Installation >25' To 30', Add	*72.57*	
		For Elevated Installation >30' To 35', Add	*82.93*	
		For Elevated Installation >35' To 40', Add	*103.67*	
		For Elevated Installation >40', Add	*114.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*62.20*	
26 05 33 13-2614	EA	3-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	620.84	103.66
		For Work In Restricted Working Space, Add	*77.75*	
		For Elevated Installation >10' To 15', Add	*25.92*	
		For Elevated Installation >15' To 20', Add	*51.83*	
		For Elevated Installation >20' To 25', Add	*64.79*	
		For Elevated Installation >25' To 30', Add	*90.70*	
		For Elevated Installation >30' To 35', Add	*103.66*	
		For Elevated Installation >35' To 40', Add	*129.58*	
		For Elevated Installation >40', Add	*142.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*77.75*	
26 05 33 13-2615	EA	4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	743.30	126.24
		For Work In Restricted Working Space, Add	*94.68*	
		For Elevated Installation >10' To 15', Add	*31.56*	
		For Elevated Installation >15' To 20', Add	*63.12*	
		For Elevated Installation >20' To 25', Add	*78.90*	
		For Elevated Installation >25' To 30', Add	*110.46*	
		For Elevated Installation >30' To 35', Add	*126.24*	
		For Elevated Installation >35' To 40', Add	*157.80*	
		For Elevated Installation >40', Add	*173.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*94.68*	

26 05 33 13-2616 Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover *(26 05 33 13-2604)*

26 05 33 13-2617	EA	1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	69.93	22.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.59*	
26 05 33 13-2618	EA	3/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	78.73	25.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.00*	
26 05 33 13-2619	EA	1" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	99.64	29.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.11*	
26 05 33 13-2620	EA	1-1/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	125.87	33.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.22*	
26 05 33 13-2621	EA	1-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	143.39	36.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.64*	
26 05 33 13-2622	EA	2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	183.52	44.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.17*	
26 05 33 13-2623	EA	2-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	280.00	62.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*46.65*	
26 05 33 13-2624	EA	3" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	381.03	82.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*62.20*	
26 05 33 13-2625	EA	3-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	662.42	103.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*77.75*	
26 05 33 13-2626	EA	4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	773.97	126.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*94.68*	

26 05 33 13-2627 Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover *(26 05 33 13-2604)*

26 05 33 13-2628	EA	1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	82.97	25.34
		For Work In Restricted Working Space, Add	*19.00*	
		For Elevated Installation >10' To 15', Add	*6.33*	
		For Elevated Installation >15' To 20', Add	*12.67*	
		For Elevated Installation >20' To 25', Add	*15.84*	
		For Elevated Installation >25' To 30', Add	*22.17*	
		For Elevated Installation >30' To 35', Add	*25.34*	
		For Elevated Installation >35' To 40', Add	*31.67*	
		For Elevated Installation >40', Add	*34.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.00*	
26 05 33 13-2629	EA	3/4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	97.82	29.48
		For Work In Restricted Working Space, Add	*22.46*	
		For Elevated Installation >10' To 15', Add	*7.49*	
		For Elevated Installation >15' To 20', Add	*14.97*	
		For Elevated Installation >20' To 25', Add	*18.72*	
		For Elevated Installation >25' To 30', Add	*26.20*	
		For Elevated Installation >30' To 35', Add	*29.94*	
		For Elevated Installation >35' To 40', Add	*37.43*	
		For Elevated Installation >40', Add	*41.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2630	EA	1" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	115.35	32.25
		For Work In Restricted Working Space, Add	*24.19*	
		For Elevated Installation >10' To 15', Add	*8.06*	
		For Elevated Installation >15' To 20', Add	*16.13*	
		For Elevated Installation >20' To 25', Add	*20.16*	
		For Elevated Installation >25' To 30', Add	*28.22*	
		For Elevated Installation >30' To 35', Add	*32.25*	
		For Elevated Installation >35' To 40', Add	*40.32*	
		For Elevated Installation >40', Add	*44.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.19*	
26 05 33 13-2631	EA	1-1/4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	144.79	36.86
		For Work In Restricted Working Space, Add	*27.30*	
		For Elevated Installation >10' To 15', Add	*9.10*	
		For Elevated Installation >15' To 20', Add	*18.20*	
		For Elevated Installation >20' To 25', Add	*22.75*	
		For Elevated Installation >25' To 30', Add	*31.85*	
		For Elevated Installation >30' To 35', Add	*36.40*	
		For Elevated Installation >35' To 40', Add	*45.50*	
		For Elevated Installation >40', Add	*50.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.30*	
26 05 33 13-2632	EA	1-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	166.01	40.54
		For Work In Restricted Working Space, Add	*30.41*	
		For Elevated Installation >10' To 15', Add	*10.14*	
		For Elevated Installation >15' To 20', Add	*20.27*	
		For Elevated Installation >20' To 25', Add	*25.34*	
		For Elevated Installation >25' To 30', Add	*35.48*	
		For Elevated Installation >30' To 35', Add	*40.54*	
		For Elevated Installation >35' To 40', Add	*50.68*	
		For Elevated Installation >40', Add	*55.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.41*	
26 05 33 13-2633	EA	2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	219.92	47.46
		For Work In Restricted Working Space, Add	*35.59*	
		For Elevated Installation >10' To 15', Add	*11.86*	
		For Elevated Installation >15' To 20', Add	*23.73*	
		For Elevated Installation >20' To 25', Add	*29.66*	
		For Elevated Installation >25' To 30', Add	*41.52*	
		For Elevated Installation >30' To 35', Add	*47.46*	
		For Elevated Installation >35' To 40', Add	*59.32*	
		For Elevated Installation >40', Add	*65.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.59*	
26 05 33 13-2634	EA	2-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	279.03	69.11
		For Work In Restricted Working Space, Add	*51.83*	
		For Elevated Installation >10' To 15', Add	*17.28*	
		For Elevated Installation >15' To 20', Add	*34.55*	
		For Elevated Installation >20' To 25', Add	*43.19*	
		For Elevated Installation >25' To 30', Add	*60.47*	
		For Elevated Installation >30' To 35', Add	*69.11*	
		For Elevated Installation >35' To 40', Add	*86.39*	
		For Elevated Installation >40', Add	*95.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*51.83*	
26 05 33 13-2635	EA	3" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	401.18	89.84
		For Work In Restricted Working Space, Add	*67.38*	
		For Elevated Installation >10' To 15', Add	*22.46*	
		For Elevated Installation >15' To 20', Add	*44.92*	
		For Elevated Installation >20' To 25', Add	*56.15*	
		For Elevated Installation >25' To 30', Add	*78.61*	
		For Elevated Installation >30' To 35', Add	*89.84*	
		For Elevated Installation >35' To 40', Add	*112.30*	
		For Elevated Installation >40', Add	*123.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.38*	
26 05 33 13-2636	EA	3-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	698.91	110.57
		For Work In Restricted Working Space, Add	*82.93*	
		For Elevated Installation >10' To 15', Add	*27.64*	
		For Elevated Installation >15' To 20', Add	*55.29*	
		For Elevated Installation >20' To 25', Add	*69.11*	
		For Elevated Installation >25' To 30', Add	*96.75*	
		For Elevated Installation >30' To 35', Add	*110.57*	
		For Elevated Installation >35' To 40', Add	*138.22*	
		For Elevated Installation >40', Add	*152.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*82.93*	
26 05 33 13-2637	EA	4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	808.99	133.15
		For Work In Restricted Working Space, Add	*100.21*	
		For Elevated Installation >10' To 15', Add	*33.40*	
		For Elevated Installation >15' To 20', Add	*66.80*	
		For Elevated Installation >20' To 25', Add	*83.51*	
		For Elevated Installation >25' To 30', Add	*116.91*	
		For Elevated Installation >30' To 35', Add	*133.61*	
		For Elevated Installation >35' To 40', Add	*167.01*	
		For Elevated Installation >40', Add	*183.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*100.21*	

26 05 33 13-2638 Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover *(26 05 33 13-2604)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2639	EA	1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	67.39	22.11
		For Work In Restricted Working Space, Add	*16.59*	
		For Elevated Installation >10' To 15', Add	*5.53*	
		For Elevated Installation >15' To 20', Add	*11.06*	
		For Elevated Installation >20' To 25', Add	*13.82*	
		For Elevated Installation >25' To 30', Add	*19.35*	
		For Elevated Installation >30' To 35', Add	*22.12*	
		For Elevated Installation >35' To 40', Add	*27.65*	
		For Elevated Installation >40', Add	*30.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.59*	
26 05 33 13-2640	EA	3/4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	81.49	25.34
		For Work In Restricted Working Space, Add	*19.01*	
		For Elevated Installation >10' To 15', Add	*6.34*	
		For Elevated Installation >15' To 20', Add	*12.67*	
		For Elevated Installation >20' To 25', Add	*15.84*	
		For Elevated Installation >25' To 30', Add	*22.17*	
		For Elevated Installation >30' To 35', Add	*25.34*	
		For Elevated Installation >35' To 40', Add	*31.68*	
		For Elevated Installation >40', Add	*34.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.01*	
26 05 33 13-2641	EA	1" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	95.28	29.02
		For Work In Restricted Working Space, Add	*21.77*	
		For Elevated Installation >10' To 15', Add	*7.26*	
		For Elevated Installation >15' To 20', Add	*14.51*	
		For Elevated Installation >20' To 25', Add	*18.14*	
		For Elevated Installation >25' To 30', Add	*25.40*	
		For Elevated Installation >30' To 35', Add	*29.03*	
		For Elevated Installation >35' To 40', Add	*36.29*	
		For Elevated Installation >40', Add	*39.91*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.77*	
26 05 33 13-2642	EA	1-1/4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	128.25	33.63
		For Work In Restricted Working Space, Add	*25.23*	
		For Elevated Installation >10' To 15', Add	*8.41*	
		For Elevated Installation >15' To 20', Add	*16.82*	
		For Elevated Installation >20' To 25', Add	*21.02*	
		For Elevated Installation >25' To 30', Add	*29.43*	
		For Elevated Installation >30' To 35', Add	*33.64*	
		For Elevated Installation >35' To 40', Add	*42.05*	
		For Elevated Installation >40', Add	*46.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.23*	
26 05 33 13-2643	EA	1-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	149.67	36.86
		For Work In Restricted Working Space, Add	*27.64*	
		For Elevated Installation >10' To 15', Add	*9.21*	
		For Elevated Installation >15' To 20', Add	*18.43*	
		For Elevated Installation >20' To 25', Add	*23.04*	
		For Elevated Installation >25' To 30', Add	*32.25*	
		For Elevated Installation >30' To 35', Add	*36.86*	
		For Elevated Installation >35' To 40', Add	*46.07*	
		For Elevated Installation >40', Add	*50.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.64*	
26 05 33 13-2644	EA	2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	193.36	44.23
		For Work In Restricted Working Space, Add	*33.17*	
		For Elevated Installation >10' To 15', Add	*11.06*	
		For Elevated Installation >15' To 20', Add	*22.11*	
		For Elevated Installation >20' To 25', Add	*27.64*	
		For Elevated Installation >25' To 30', Add	*38.70*	
		For Elevated Installation >30' To 35', Add	*44.23*	
		For Elevated Installation >35' To 40', Add	*55.29*	
		For Elevated Installation >40', Add	*60.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.17*	
26 05 33 13-2645	EA	2-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	433.85	116.67
		For Work In Restricted Working Space, Add	*87.47*	
		For Elevated Installation >10' To 15', Add	*29.16*	
		For Elevated Installation >15' To 20', Add	*58.31*	
		For Elevated Installation >20' To 25', Add	*72.89*	
		For Elevated Installation >25' To 30', Add	*102.05*	
		For Elevated Installation >30' To 35', Add	*116.62*	
		For Elevated Installation >35' To 40', Add	*145.78*	
		For Elevated Installation >40', Add	*160.36*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.47*	
26 05 33 13-2646	EA	3" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	410.68	82.93
		For Work In Restricted Working Space, Add	*62.20*	
		For Elevated Installation >10' To 15', Add	*20.73*	
		For Elevated Installation >15' To 20', Add	*41.47*	
		For Elevated Installation >20' To 25', Add	*51.83*	
		For Elevated Installation >25' To 30', Add	*72.57*	
		For Elevated Installation >30' To 35', Add	*82.93*	
		For Elevated Installation >35' To 40', Add	*103.67*	
		For Elevated Installation >40', Add	*114.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*62.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2647	EA	3-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	662.42	103.66
		For Work In Restricted Working Space, Add	*77.75*	
		For Elevated Installation >10' To 15', Add	*25.92*	
		For Elevated Installation >15' To 20', Add	*51.83*	
		For Elevated Installation >20' To 25', Add	*64.79*	
		For Elevated Installation >25' To 30', Add	*90.70*	
		For Elevated Installation >30' To 35', Add	*103.66*	
		For Elevated Installation >35' To 40', Add	*129.58*	
		For Elevated Installation >40', Add	*142.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*77.75*	
26 05 33 13-2648	EA	4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	773.95	126.24
		For Work In Restricted Working Space, Add	*94.67*	
		For Elevated Installation >10' To 15', Add	*31.56*	
		For Elevated Installation >15' To 20', Add	*63.12*	
		For Elevated Installation >20' To 25', Add	*78.90*	
		For Elevated Installation >25' To 30', Add	*110.45*	
		For Elevated Installation >30' To 35', Add	*126.23*	
		For Elevated Installation >35' To 40', Add	*157.79*	
		For Elevated Installation >40', Add	*173.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*94.67*	

26 05 33 13-2649 Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover *(26 05 33 13-2604)*

26 05 33 13-2650	EA	1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	94.33	29.02
		For Work In Restricted Working Space, Add	*21.77*	
		For Elevated Installation >10' To 15', Add	*7.26*	
		For Elevated Installation >15' To 20', Add	*14.51*	
		For Elevated Installation >20' To 25', Add	*18.14*	
		For Elevated Installation >25' To 30', Add	*25.40*	
		For Elevated Installation >30' To 35', Add	*29.03*	
		For Elevated Installation >35' To 40', Add	*36.29*	
		For Elevated Installation >40', Add	*39.91*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.77*	
26 05 33 13-2651	EA	3/4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	103.20	32.25
		For Work In Restricted Working Space, Add	*24.19*	
		For Elevated Installation >10' To 15', Add	*8.06*	
		For Elevated Installation >15' To 20', Add	*16.13*	
		For Elevated Installation >20' To 25', Add	*20.16*	
		For Elevated Installation >25' To 30', Add	*28.22*	
		For Elevated Installation >30' To 35', Add	*32.25*	
		For Elevated Installation >35' To 40', Add	*40.32*	
		For Elevated Installation >40', Add	*44.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.19*	
26 05 33 13-2652	EA	1" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	119.67	35.48
		For Work In Restricted Working Space, Add	*26.61*	
		For Elevated Installation >10' To 15', Add	*8.87*	
		For Elevated Installation >15' To 20', Add	*17.74*	
		For Elevated Installation >20' To 25', Add	*22.17*	
		For Elevated Installation >25' To 30', Add	*31.04*	
		For Elevated Installation >30' To 35', Add	*35.48*	
		For Elevated Installation >35' To 40', Add	*44.35*	
		For Elevated Installation >40', Add	*48.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.61*	
26 05 33 13-2653	EA	1-1/4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	142.26	40.54
		For Work In Restricted Working Space, Add	*30.41*	
		For Elevated Installation >10' To 15', Add	*10.14*	
		For Elevated Installation >15' To 20', Add	*20.27*	
		For Elevated Installation >20' To 25', Add	*25.34*	
		For Elevated Installation >25' To 30', Add	*35.48*	
		For Elevated Installation >30' To 35', Add	*40.54*	
		For Elevated Installation >35' To 40', Add	*50.68*	
		For Elevated Installation >40', Add	*55.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.41*	
26 05 33 13-2654	EA	1-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	163.94	44.23
		For Work In Restricted Working Space, Add	*33.17*	
		For Elevated Installation >10' To 15', Add	*11.06*	
		For Elevated Installation >15' To 20', Add	*22.11*	
		For Elevated Installation >20' To 25', Add	*27.64*	
		For Elevated Installation >25' To 30', Add	*38.70*	
		For Elevated Installation >30' To 35', Add	*44.23*	
		For Elevated Installation >35' To 40', Add	*55.29*	
		For Elevated Installation >40', Add	*60.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.17*	
26 05 33 13-2655	EA	2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	228.83	54.36
		For Work In Restricted Working Space, Add	*40.77*	
		For Elevated Installation >10' To 15', Add	*13.59*	
		For Elevated Installation >15' To 20', Add	*27.18*	
		For Elevated Installation >20' To 25', Add	*33.98*	
		For Elevated Installation >25' To 30', Add	*47.57*	
		For Elevated Installation >30' To 35', Add	*54.36*	
		For Elevated Installation >35' To 40', Add	*67.96*	
		For Elevated Installation >40', Add	*74.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2656	EA	2-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	365.15	79.70
		For Work In Restricted Working Space, Add	*59.78*	
		For Elevated Installation >10' To 15', Add	*19.93*	
		For Elevated Installation >15' To 20', Add	*39.85*	
		For Elevated Installation >20' To 25', Add	*49.82*	
		For Elevated Installation >25' To 30', Add	*69.74*	
		For Elevated Installation >30' To 35', Add	*79.70*	
		For Elevated Installation >35' To 40', Add	*99.63*	
		For Elevated Installation >40', Add	*109.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*59.78*	
26 05 33 13-2657	EA	3" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	534.83	103.66
		For Work In Restricted Working Space, Add	*77.75*	
		For Elevated Installation >10' To 15', Add	*25.92*	
		For Elevated Installation >15' To 20', Add	*51.83*	
		For Elevated Installation >20' To 25', Add	*64.79*	
		For Elevated Installation >25' To 30', Add	*90.70*	
		For Elevated Installation >30' To 35', Add	*103.66*	
		For Elevated Installation >35' To 40', Add	*129.58*	
		For Elevated Installation >40', Add	*142.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*77.75*	
26 05 33 13-2658	EA	3-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	796.91	128.08
		For Work In Restricted Working Space, Add	*96.06*	
		For Elevated Installation >10' To 15', Add	*32.02*	
		For Elevated Installation >15' To 20', Add	*64.04*	
		For Elevated Installation >20' To 25', Add	*80.05*	
		For Elevated Installation >25' To 30', Add	*112.07*	
		For Elevated Installation >30' To 35', Add	*128.08*	
		For Elevated Installation >35' To 40', Add	*160.10*	
		For Elevated Installation >40', Add	*176.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*96.06*	
26 05 33 13-2659	EA	4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	890.85	153.88
		For Work In Restricted Working Space, Add	*115.41*	
		For Elevated Installation >10' To 15', Add	*38.47*	
		For Elevated Installation >15' To 20', Add	*76.94*	
		For Elevated Installation >20' To 25', Add	*96.18*	
		For Elevated Installation >25' To 30', Add	*134.65*	
		For Elevated Installation >30' To 35', Add	*153.88*	
		For Elevated Installation >35' To 40', Add	*192.35*	
		For Elevated Installation >40', Add	*211.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*115.41*	

26 05 33 13-2660 Set Screw, Cast Aluminum Conduit Body *(26 05 33 13-2547)*

Note: For use with Electrical Metallic Tubing (EMT)

26 05 33 13-2661 Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2660)*

26 05 33 13-2662	EA	1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	32.20	8.75
		For Work In Restricted Working Space, Add	*6.56*	
		For Elevated Installation >10' To 15', Add	*2.19*	
		For Elevated Installation >15' To 20', Add	*4.38*	
		For Elevated Installation >20' To 25', Add	*5.47*	
		For Elevated Installation >25' To 30', Add	*7.66*	
		For Elevated Installation >30' To 35', Add	*8.75*	
		For Elevated Installation >35' To 40', Add	*10.94*	
		For Elevated Installation >40', Add	*12.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.56*	
26 05 33 13-2663	EA	3/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	41.20	11.52
		For Work In Restricted Working Space, Add	*8.64*	
		For Elevated Installation >10' To 15', Add	*2.88*	
		For Elevated Installation >15' To 20', Add	*5.76*	
		For Elevated Installation >20' To 25', Add	*7.20*	
		For Elevated Installation >25' To 30', Add	*10.08*	
		For Elevated Installation >30' To 35', Add	*11.52*	
		For Elevated Installation >35' To 40', Add	*14.40*	
		For Elevated Installation >40', Add	*15.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.64*	
26 05 33 13-2664	EA	1" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	55.74	14.28
		For Work In Restricted Working Space, Add	*10.71*	
		For Elevated Installation >10' To 15', Add	*3.57*	
		For Elevated Installation >15' To 20', Add	*7.14*	
		For Elevated Installation >20' To 25', Add	*8.93*	
		For Elevated Installation >25' To 30', Add	*12.50*	
		For Elevated Installation >30' To 35', Add	*14.28*	
		For Elevated Installation >35' To 40', Add	*17.86*	
		For Elevated Installation >40', Add	*19.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.71*	
26 05 33 13-2665	EA	1-1/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	72.26	17.50
		For Work In Restricted Working Space, Add	*13.13*	
		For Elevated Installation >10' To 15', Add	*4.38*	
		For Elevated Installation >15' To 20', Add	*8.75*	
		For Elevated Installation >20' To 25', Add	*10.94*	
		For Elevated Installation >25' To 30', Add	*15.32*	
		For Elevated Installation >30' To 35', Add	*17.51*	
		For Elevated Installation >35' To 40', Add	*21.89*	
		For Elevated Installation >40', Add	*24.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2666	EA	1-1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	94.99	20.27
		For Work In Restricted Working Space, Add	*15.20*	
		For Elevated Installation >10' To 15', Add	*5.07*	
		For Elevated Installation >15' To 20', Add	*10.14*	
		For Elevated Installation >20' To 25', Add	*12.67*	
		For Elevated Installation >25' To 30', Add	*17.74*	
		For Elevated Installation >30' To 35', Add	*20.27*	
		For Elevated Installation >35' To 40', Add	*25.34*	
		For Elevated Installation >40', Add	*27.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.20*	
26 05 33 13-2667	EA	2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	125.79	23.04
		For Work In Restricted Working Space, Add	*17.28*	
		For Elevated Installation >10' To 15', Add	*5.76*	
		For Elevated Installation >15' To 20', Add	*11.52*	
		For Elevated Installation >20' To 25', Add	*14.40*	
		For Elevated Installation >25' To 30', Add	*20.16*	
		For Elevated Installation >30' To 35', Add	*23.04*	
		For Elevated Installation >35' To 40', Add	*28.80*	
		For Elevated Installation >40', Add	*31.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.28*	

26 05 33 13-2668 Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2660)*

26 05 33 13-2669	EA	1/2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	32.49	8.75
		For Work In Restricted Working Space, Add	*6.56*	
		For Elevated Installation >10' To 15', Add	*2.19*	
		For Elevated Installation >15' To 20', Add	*4.38*	
		For Elevated Installation >20' To 25', Add	*5.47*	
		For Elevated Installation >25' To 30', Add	*7.66*	
		For Elevated Installation >30' To 35', Add	*8.75*	
		For Elevated Installation >35' To 40', Add	*10.94*	
		For Elevated Installation >40', Add	*12.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.56*	
26 05 33 13-2670	EA	3/4" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	42.29	11.52
		For Work In Restricted Working Space, Add	*8.64*	
		For Elevated Installation >10' To 15', Add	*2.88*	
		For Elevated Installation >15' To 20', Add	*5.76*	
		For Elevated Installation >20' To 25', Add	*7.20*	
		For Elevated Installation >25' To 30', Add	*10.08*	
		For Elevated Installation >30' To 35', Add	*11.52*	
		For Elevated Installation >35' To 40', Add	*14.40*	
		For Elevated Installation >40', Add	*15.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.64*	
26 05 33 13-2671	EA	1" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	51.95	14.28
		For Work In Restricted Working Space, Add	*10.71*	
		For Elevated Installation >10' To 15', Add	*3.57*	
		For Elevated Installation >15' To 20', Add	*7.14*	
		For Elevated Installation >20' To 25', Add	*8.93*	
		For Elevated Installation >25' To 30', Add	*12.50*	
		For Elevated Installation >30' To 35', Add	*14.28*	
		For Elevated Installation >35' To 40', Add	*17.86*	
		For Elevated Installation >40', Add	*19.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.71*	
26 05 33 13-2672	EA	1-1/4" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	71.94	17.50
		For Work In Restricted Working Space, Add	*13.13*	
		For Elevated Installation >10' To 15', Add	*4.38*	
		For Elevated Installation >15' To 20', Add	*8.75*	
		For Elevated Installation >20' To 25', Add	*10.94*	
		For Elevated Installation >25' To 30', Add	*15.32*	
		For Elevated Installation >30' To 35', Add	*17.51*	
		For Elevated Installation >35' To 40', Add	*21.89*	
		For Elevated Installation >40', Add	*24.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.13*	
26 05 33 13-2673	EA	1-1/2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	88.69	20.27
		For Work In Restricted Working Space, Add	*15.20*	
		For Elevated Installation >10' To 15', Add	*5.07*	
		For Elevated Installation >15' To 20', Add	*10.14*	
		For Elevated Installation >20' To 25', Add	*12.67*	
		For Elevated Installation >25' To 30', Add	*17.74*	
		For Elevated Installation >30' To 35', Add	*20.27*	
		For Elevated Installation >35' To 40', Add	*25.34*	
		For Elevated Installation >40', Add	*27.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.20*	
26 05 33 13-2674	EA	2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	125.25	23.04
		For Work In Restricted Working Space, Add	*17.28*	
		For Elevated Installation >10' To 15', Add	*5.76*	
		For Elevated Installation >15' To 20', Add	*11.52*	
		For Elevated Installation >20' To 25', Add	*14.40*	
		For Elevated Installation >25' To 30', Add	*20.16*	
		For Elevated Installation >30' To 35', Add	*23.04*	
		For Elevated Installation >35' To 40', Add	*28.80*	
		For Elevated Installation >40', Add	*31.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.28*	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2675		**Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover** *(26 05 33 13-2660)*		
26 05 33 13-2676	EA	1/2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	41.79	11.52
		For Work In Restricted Working Space, Add	*8.64*	
		For Elevated Installation >10' To 15', Add	*2.88*	
		For Elevated Installation >15' To 20', Add	*5.76*	
		For Elevated Installation >20' To 25', Add	*7.20*	
		For Elevated Installation >25' To 30', Add	*10.08*	
		For Elevated Installation >30' To 35', Add	*11.52*	
		For Elevated Installation >35' To 40', Add	*14.40*	
		For Elevated Installation >40', Add	*15.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.64*	
26 05 33 13-2677	EA	3/4" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	54.44	14.28
		For Work In Restricted Working Space, Add	*10.71*	
		For Elevated Installation >10' To 15', Add	*3.57*	
		For Elevated Installation >15' To 20', Add	*7.14*	
		For Elevated Installation >20' To 25', Add	*8.93*	
		For Elevated Installation >25' To 30', Add	*12.50*	
		For Elevated Installation >30' To 35', Add	*14.28*	
		For Elevated Installation >35' To 40', Add	*17.86*	
		For Elevated Installation >40', Add	*19.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.71*	
26 05 33 13-2678	EA	1" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	65.66	17.50
		For Work In Restricted Working Space, Add	*13.13*	
		For Elevated Installation >10' To 15', Add	*4.38*	
		For Elevated Installation >15' To 20', Add	*8.75*	
		For Elevated Installation >20' To 25', Add	*10.94*	
		For Elevated Installation >25' To 30', Add	*15.32*	
		For Elevated Installation >30' To 35', Add	*17.51*	
		For Elevated Installation >35' To 40', Add	*21.89*	
		For Elevated Installation >40', Add	*24.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.13*	
26 05 33 13-2679	EA	1-1/4" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	90.77	20.27
		For Work In Restricted Working Space, Add	*15.89*	
		For Elevated Installation >10' To 15', Add	*5.30*	
		For Elevated Installation >15' To 20', Add	*10.60*	
		For Elevated Installation >20' To 25', Add	*13.25*	
		For Elevated Installation >25' To 30', Add	*18.54*	
		For Elevated Installation >30' To 35', Add	*21.19*	
		For Elevated Installation >35' To 40', Add	*26.49*	
		For Elevated Installation >40', Add	*29.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.89*	
26 05 33 13-2680	EA	1-1/2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	116.37	23.04
		For Work In Restricted Working Space, Add	*18.66*	
		For Elevated Installation >10' To 15', Add	*6.22*	
		For Elevated Installation >15' To 20', Add	*12.44*	
		For Elevated Installation >20' To 25', Add	*15.55*	
		For Elevated Installation >25' To 30', Add	*21.77*	
		For Elevated Installation >30' To 35', Add	*24.88*	
		For Elevated Installation >35' To 40', Add	*31.10*	
		For Elevated Installation >40', Add	*34.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.66*	
26 05 33 13-2681	EA	2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	156.54	25.80
		For Work In Restricted Working Space, Add	*21.42*	
		For Elevated Installation >10' To 15', Add	*7.14*	
		For Elevated Installation >15' To 20', Add	*14.28*	
		For Elevated Installation >20' To 25', Add	*17.85*	
		For Elevated Installation >25' To 30', Add	*24.99*	
		For Elevated Installation >30' To 35', Add	*28.56*	
		For Elevated Installation >35' To 40', Add	*35.71*	
		For Elevated Installation >40', Add	*39.28*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.42*	
26 05 33 13-2682		**Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover** *(26 05 33 13-2660)*		
26 05 33 13-2683	EA	1/2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	33.41	8.75
		For Work In Restricted Working Space, Add	*6.56*	
		For Elevated Installation >10' To 15', Add	*2.19*	
		For Elevated Installation >15' To 20', Add	*4.38*	
		For Elevated Installation >20' To 25', Add	*5.47*	
		For Elevated Installation >25' To 30', Add	*7.66*	
		For Elevated Installation >30' To 35', Add	*8.75*	
		For Elevated Installation >35' To 40', Add	*10.94*	
		For Elevated Installation >40', Add	*12.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.56*	
26 05 33 13-2684	EA	3/4" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	44.70	11.52
		For Work In Restricted Working Space, Add	*8.64*	
		For Elevated Installation >10' To 15', Add	*2.88*	
		For Elevated Installation >15' To 20', Add	*5.76*	
		For Elevated Installation >20' To 25', Add	*7.20*	
		For Elevated Installation >25' To 30', Add	*10.08*	
		For Elevated Installation >30' To 35', Add	*11.52*	
		For Elevated Installation >35' To 40', Add	*14.40*	
		For Elevated Installation >40', Add	*15.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2685	EA	1" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	57.11	14.28
		For Work In Restricted Working Space, Add	*10.71*	
		For Elevated Installation >10' To 15', Add	*3.57*	
		For Elevated Installation >15' To 20', Add	*7.14*	
		For Elevated Installation >20' To 25', Add	*8.93*	
		For Elevated Installation >25' To 30', Add	*12.50*	
		For Elevated Installation >30' To 35', Add	*14.28*	
		For Elevated Installation >35' To 40', Add	*17.86*	
		For Elevated Installation >40', Add	*19.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.71*	
26 05 33 13-2686	EA	1-1/4" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	73.90	17.50
		For Work In Restricted Working Space, Add	*13.13*	
		For Elevated Installation >10' To 15', Add	*4.38*	
		For Elevated Installation >15' To 20', Add	*8.75*	
		For Elevated Installation >20' To 25', Add	*10.94*	
		For Elevated Installation >25' To 30', Add	*15.32*	
		For Elevated Installation >30' To 35', Add	*17.51*	
		For Elevated Installation >35' To 40', Add	*21.89*	
		For Elevated Installation >40', Add	*24.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.13*	
26 05 33 13-2687	EA	1-1/2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	89.82	20.27
		For Work In Restricted Working Space, Add	*15.20*	
		For Elevated Installation >10' To 15', Add	*5.07*	
		For Elevated Installation >15' To 20', Add	*10.14*	
		For Elevated Installation >20' To 25', Add	*12.67*	
		For Elevated Installation >25' To 30', Add	*17.74*	
		For Elevated Installation >30' To 35', Add	*20.27*	
		For Elevated Installation >35' To 40', Add	*25.34*	
		For Elevated Installation >40', Add	*27.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.20*	
26 05 33 13-2688	EA	2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	135.76	23.04
		For Work In Restricted Working Space, Add	*17.28*	
		For Elevated Installation >10' To 15', Add	*5.76*	
		For Elevated Installation >15' To 20', Add	*11.52*	
		For Elevated Installation >20' To 25', Add	*14.40*	
		For Elevated Installation >25' To 30', Add	*20.16*	
		For Elevated Installation >30' To 35', Add	*23.04*	
		For Elevated Installation >35' To 40', Add	*28.80*	
		For Elevated Installation >40', Add	*31.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.28*	

26 05 33 13-2689 Aluminum Type LB Telecommunications Conduit Bodies With Cover (Smart Pathways) *(26 05 33 13-2547)*

26 05 33 13-2690	EA	3/4" To 1-1/4" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB120)	167.31	25.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.93*	
26 05 33 13-2691	EA	1-1/2" To 2-1/2" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB250)	629.00	46.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.00*	
26 05 33 13-2692	EA	3" To 4" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB400)	1,209.56	94.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.01*	

26 05 33 13-2693 Replacement Covers And Gaskets For Conduit Body *(26 05 33 13-2547)*

26 05 33 13-2694 Replacement Stamped Aluminum Conduit Body Cover *(26 05 33 13-2693)*

26 05 33 13-2695	EA	1/2" Replacement Stamped Aluminum Conduit Body Cover	11.89	4.49
26 05 33 13-2696	EA	3/4" Replacement Stamped Aluminum Conduit Body Cover	14.55	5.24
26 05 33 13-2697	EA	1" Replacement Stamped Aluminum Conduit Body Cover	18.62	6.74
26 05 33 13-2698	EA	1-1/4" Replacement Stamped Aluminum Conduit Body Cover	22.68	8.24
26 05 33 13-2699	EA	1-1/2" Replacement Stamped Aluminum Conduit Body Cover	27.88	9.73
26 05 33 13-2700	EA	2" Replacement Stamped Aluminum Conduit Body Cover	33.05	11.23
26 05 33 13-2701	EA	2-1/2" Replacement Stamped Aluminum Conduit Body Cover	43.77	12.73
26 05 33 13-2702	EA	3" Replacement Stamped Aluminum Conduit Body Cover	56.57	17.96
26 05 33 13-2703	EA	3-1/2" Replacement Stamped Aluminum Conduit Body Cover	61.41	20.21
26 05 33 13-2704	EA	4" Replacement Stamped Aluminum Conduit Body Cover	77.37	25.45

26 05 33 13-2705 Replacement Cast Steel Conduit Body Cover *(26 05 33 13-2693)*

26 05 33 13-2706	EA	1/2" Replacement Cast Steel Conduit Body Cover	13.86	4.49
26 05 33 13-2707	EA	3/4" Replacement Cast Steel Conduit Body Cover	16.27	5.24
26 05 33 13-2708	EA	1" Replacement Cast Steel Conduit Body Cover	22.88	6.74
26 05 33 13-2709	EA	1-1/4" Replacement Cast Steel Conduit Body Cover	28.44	8.24
26 05 33 13-2710	EA	1-1/2" Replacement Cast Steel Conduit Body Cover	34.59	9.73
26 05 33 13-2711	EA	2" Replacement Cast Steel Conduit Body Cover	40.73	11.23
26 05 33 13-2712	EA	2-1/2" Replacement Cast Steel Conduit Body Cover	46.81	12.73
26 05 33 13-2713	EA	3" Replacement Cast Steel Conduit Body Cover	63.77	17.96
26 05 33 13-2714	EA	3-1/2" Replacement Cast Steel Conduit Body Cover	72.74	20.21
26 05 33 13-2715	EA	4" Replacement Cast Steel Conduit Body Cover	91.71	25.45

26 05 33 13-2716 Replacement Velbuna Composition Conduit Body Gasket *(26 05 33 13-2693)*

26 05 33 13-2717	EA	1/2" Replacement Velbuna Composition Conduit Body Gasket	11.00	4.49
26 05 33 13-2718	EA	3/4" Replacement Velbuna Composition Conduit Body Gasket	12.57	5.24

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2719	EA	1" Replacement Velbuna Composition Conduit Body Gasket	16.41	6.74
26 05 33 13-2720	EA	1-1/4" Replacement Velbuna Composition Conduit Body Gasket	21.34	8.24
26 05 33 13-2721	EA	1-1/2" Replacement Velbuna Composition Conduit Body Gasket	24.34	9.73
26 05 33 13-2722	EA	2" Replacement Velbuna Composition Conduit Body Gasket	28.96	11.23
26 05 33 13-2723	EA	2-1/2" Replacement Velbuna Composition Conduit Body Gasket	38.18	12.73
26 05 33 13-2724	EA	3" Replacement Velbuna Composition Conduit Body Gasket	49.59	17.96
26 05 33 13-2725	EA	3-1/2" Replacement Velbuna Composition Conduit Body Gasket	54.80	20.21
26 05 33 13-2726	EA	4" Replacement Velbuna Composition Conduit Body Gasket	65.17	25.45

26 05 33 13-2727 Replacement Neoprene Conduit Body Gasket *(26 05 33 13-2693)*

26 05 33 13-2728	EA	1/2" Replacement Neoprene Conduit Body Gasket	12.37	4.49
26 05 33 13-2729	EA	3/4" Replacement Neoprene Conduit Body Gasket	13.88	5.24
26 05 33 13-2730	EA	1" Replacement Neoprene Conduit Body Gasket	18.14	6.74
26 05 33 13-2731	EA	1-1/4" Replacement Neoprene Conduit Body Gasket	22.22	8.24
26 05 33 13-2732	EA	1-1/2" Replacement Neoprene Conduit Body Gasket	25.22	9.73
26 05 33 13-2733	EA	2" Replacement Neoprene Conduit Body Gasket	29.05	11.23
26 05 33 13-2734	EA	2-1/2" Replacement Neoprene Conduit Body Gasket	38.39	12.73
26 05 33 13-2735	EA	3" Replacement Neoprene Conduit Body Gasket	49.80	17.96
26 05 33 13-2736	EA	3-1/2" Replacement Neoprene Conduit Body Gasket	56.26	20.21
26 05 33 13-2737	EA	4" Replacement Neoprene Conduit Body Gasket	66.63	25.45

26 05 33 13-2738 Cutting Knockouts In-Place Metal Boxes Or Enclosures *(26 05 33 13-0058)*

Note: For use when connecting conduit to an existing in-place system.

26 05 33 13-2739	EA	1/2", Cutting Knockouts In-Place Metal Boxes Or Enclosures	19.07	
		For Work In Restricted Working Space, Add	*5.72*	
26 05 33 13-2740	EA	3/4", Cutting Knockouts In-Place Metal Boxes Or Enclosures	21.47	
		For Work In Restricted Working Space, Add	*6.44*	
26 05 33 13-2741	EA	1", Cutting Knockouts In-Place Metal Boxes Or Enclosures	25.25	
		For Work In Restricted Working Space, Add	*7.58*	
26 05 33 13-2742	EA	1-1/4", Cutting Knockouts In-Place Metal Boxes Or Enclosures	28.03	
		For Work In Restricted Working Space, Add	*8.41*	
26 05 33 13-2743	EA	1-1/2", Cutting Knockouts In-Place Metal Boxes Or Enclosures	31.57	
		For Work In Restricted Working Space, Add	*9.47*	
26 05 33 13-2744	EA	2", Cutting Knockouts In-Place Metal Boxes Or Enclosures	37.38	
		For Work In Restricted Working Space, Add	*11.21*	
26 05 33 13-2745	EA	2-1/2", Cutting Knockouts In-Place Metal Boxes Or Enclosures	44.19	
		For Work In Restricted Working Space, Add	*13.26*	
26 05 33 13-2746	EA	3", Cutting Knockouts In-Place Metal Boxes Or Enclosures	50.51	
		For Work In Restricted Working Space, Add	*15.15*	
26 05 33 13-2747	EA	3-1/2", Cutting Knockouts In-Place Metal Boxes Or Enclosures	56.82	
		For Work In Restricted Working Space, Add	*17.05*	
26 05 33 13-2748	EA	4", Cutting Knockouts In-Place Metal Boxes Or Enclosures	63.13	
		For Work In Restricted Working Space, Add	*18.94*	

26 05 33 13-2749 Buried Pipe Or Conduit Wrap *(26 05 33 13)*

26 05 33 13-2750 All-Weather Corrosion Protection Tape For Pipe Or Conduit *(26 05 33 13-2749)*

Note: Priced by the linear feet of pipe or conduit the tape is installed on.

26 05 33 13-2751	LF	Pipe Or Conduit Wrap For 1/2" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	2.76
26 05 33 13-2752	LF	Pipe Or Conduit Wrap For 3/4" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	3.18
26 05 33 13-2753	LF	Pipe Or Conduit Wrap For 1" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	3.68
26 05 33 13-2754	LF	Pipe Or Conduit Wrap For 1-1/4" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	4.23
26 05 33 13-2755	LF	Pipe Or Conduit Wrap For 1-1/2" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	4.82
26 05 33 13-2756	LF	Pipe Or Conduit Wrap For 2" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	5.79
26 05 33 13-2757	LF	Pipe Or Conduit Wrap For 2-1/2" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	6.43
26 05 33 13-2758	LF	Pipe Or Conduit Wrap For 3" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	7.08
26 05 33 13-2759	LF	Pipe Or Conduit Wrap For 4" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	8.81
26 05 33 13-2760	LF	Pipe Or Conduit Wrap For 5" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	10.18
26 05 33 13-2761	LF	Pipe Or Conduit Wrap For 6" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	11.56
26 05 33 13-2762	LF	Pipe Or Conduit Wrap For 1/2" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	2.78
26 05 33 13-2763	LF	Pipe Or Conduit Wrap For 3/4" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	3.30
26 05 33 13-2764	LF	Pipe Or Conduit Wrap For 1" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	3.85
26 05 33 13-2765	LF	Pipe Or Conduit Wrap For 1-1/4" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	4.44
26 05 33 13-2766	LF	Pipe Or Conduit Wrap For 1-1/2" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	5.09
26 05 33 13-2767	LF	Pipe Or Conduit Wrap For 2" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	6.17
26 05 33 13-2768	LF	Pipe Or Conduit Wrap For 2-1/2" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	7.03
26 05 33 13-2769	LF	Pipe Or Conduit Wrap For 3" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	7.94
26 05 33 13-2770	LF	Pipe Or Conduit Wrap For 4" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	9.98
26 05 33 13-2771	LF	Pipe Or Conduit Wrap For 5" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	11.65
26 05 33 13-2772	LF	Pipe Or Conduit Wrap For 6" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	13.31

26 05 33 16 Boxes for Electrical Systems *(26 05 33)*

See CSI section 26 27 16 00-0000 for larger junction boxes and enclosures.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0001		**Steel Junction, Device, And Fixture Boxes, Rings And Covers** *(26 05 33 16)* Note: Thin wall metal. See CSI section 26 27 26 00-0003 for steel box/receptacle assemblies, 26 27 26 00-0126 for steel box/switch assemblies.		
26 05 33 16-0002		**4" Square Steel Boxes, Rings And Covers** *(26 05 33 16-0001)*		
26 05 33 16-0003	EA	1-1/2" Depth, 4" Square Steel Box	40.21	18.91
		For Stud Bracket, Add	*0.59*	
26 05 33 16-0004	EA	2-1/8" Depth, 4" Square Steel Box	41.29	18.91
		For Stud Bracket, Add	*1.05*	
26 05 33 16-0005	EA	3-1/2" Depth, 4" Square Steel Box	45.01	18.91
		For Stud Bracket, Add	*1.15*	
26 05 33 16-0006	EA	1-1/2" Depth, 4" Square Steel Extension Ring	30.51	12.61
26 05 33 16-0007	EA	2-1/8" Depth, 4" Square Steel Extension Ring	26.75	12.61
26 05 33 16-0008	EA	1/2" Depth, 1 Gang, 4" Square Steel Mud Ring	13.75	6.30
26 05 33 16-0009	EA	5/8" Depth, 1 Gang, 4" Square Steel Mud Ring	13.92	6.30
26 05 33 16-0010	EA	3/4" Depth, 1 Gang, 4" Square Steel Mud Ring	14.04	6.30
26 05 33 16-0011	EA	1" Depth, 1 Gang, 4" Square Steel Mud Ring	14.45	6.30
26 05 33 16-0012	EA	1-1/4" Depth, 1 Gang, 4" Square Steel Mud Ring	14.57	6.30
26 05 33 16-0013	EA	1-1/2" Depth, 1 Gang, 4" Square Steel Mud Ring	15.85	6.30
26 05 33 16-0014	EA	1/2" Depth, 2 Gang, 4" Square Steel Mud Ring	14.23	6.30
26 05 33 16-0015	EA	5/8" Depth, 2 Gang, 4" Square Steel Mud Ring	14.36	6.30
26 05 33 16-0016	EA	3/4" Depth, 2 Gang, 4" Square Steel Mud Ring	14.51	6.30
26 05 33 16-0017	EA	1" Depth, 2 Gang, 4" Square Steel Mud Ring	15.83	6.30
26 05 33 16-0018	EA	1-1/4" Depth, 2 Gang, 4" Square Steel Mud Ring	16.10	6.30
26 05 33 16-0019	EA	1-1/2" Depth, 2 Gang, 4" Square Steel Mud Ring	17.77	6.30
26 05 33 16-0020	EA	3/4" Depth, Fixture Cover, 4" Square Mud Rings	14.88	6.30
26 05 33 16-0021	EA	1" Depth, Fixture Cover, 4" Square Mud Rings	15.94	6.30
26 05 33 16-0022	EA	One Toggle Switch, 4" Square Steel Exposed Work Cover	14.22	6.30
26 05 33 16-0023	EA	Two Toggle Switches, 4" Square Steel Exposed Work Cover	14.31	6.30
26 05 33 16-0024	EA	One Duplex Receptacle, 4" Square Steel Exposed Work Cover	14.19	6.30
26 05 33 16-0025	EA	Two Duplex Receptacles, 4" Square Steel Exposed Work Cover	14.47	6.30
26 05 33 16-0026	EA	One Toggle Switch And One Duplex Receptacle, 4" Square Steel Exposed Work Cover	14.71	6.30
26 05 33 16-0027	EA	One Toggle Switch And One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover	17.66	6.30
26 05 33 16-0028	EA	One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover	14.67	6.30
26 05 33 16-0029	EA	Two 1.406" Diameter Receptacles, 4" Square Steel Exposed Work Cover	17.66	6.30
26 05 33 16-0030	EA	One 1.620" Diameter Receptacle, 4" Square Steel Exposed Work Cover	14.67	6.30
26 05 33 16-0031	EA	One 1.719" Diameter Receptacle, 4" Square Steel Exposed Work Cover	15.36	6.30
26 05 33 16-0032	EA	One 2.165" Diameter Receptacle, 4" Square Steel Exposed Work Cover	17.66	6.30
26 05 33 16-0033	EA	One 2.480" Diameter Receptacle, 4" Square Steel Exposed Work Cover	17.66	6.30
26 05 33 16-0034	EA	Flat, 4" Square Steel Exposed Work Cover	13.37	6.30
26 05 33 16-0035		**4-11/16" Square Steel Boxes, Rings And Covers** *(26 05 33 16-0001)*		
26 05 33 16-0036	EA	1-1/2" Depth, 4-11/16" Square Steel Box	44.21	18.91
26 05 33 16-0037	EA	2-1/8" Depth, 4-11/16" Square Steel Box	41.76	18.91
		For Stud Bracket, Add	*0.55*	
26 05 33 16-0038	EA	3-1/4" Depth, 4-11/16" Square Steel Box	54.07	18.91
26 05 33 16-0039	EA	1-1/2" Depth, 4-11/16" Square Extension Ring	31.54	12.61
26 05 33 16-0040	EA	2-1/8" Depth, 4-11/16" Square Extension Ring	32.14	12.61
26 05 33 16-0041	EA	1/2" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	16.20	6.30
26 05 33 16-0042	EA	5/8" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	16.23	6.30
26 05 33 16-0043	EA	3/4" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	17.27	6.30
26 05 33 16-0044	EA	1" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	16.85	6.30
26 05 33 16-0045	EA	1-1/4" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	16.76	6.30
26 05 33 16-0046	EA	1-1/2" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	21.11	6.30
26 05 33 16-0047	EA	1/2" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	17.03	6.30
26 05 33 16-0048	EA	5/8" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	17.25	6.30
26 05 33 16-0049	EA	3/4" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	17.27	6.30
26 05 33 16-0050	EA	1" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	18.81	6.30
26 05 33 16-0051	EA	1-1/4" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	19.13	6.30
26 05 33 16-0052	EA	1-1/2" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	22.85	6.30
26 05 33 16-0053	EA	1/2" Depth, Fixture Cover, 4-11/16" Square Steel Mud Ring	16.83	6.30
26 05 33 16-0054	EA	5/8" Depth, Fixture Cover, 4-11/16" Square Steel Mud Ring	16.94	6.30
26 05 33 16-0055	EA	One Toggle Switch, 4-11/16" Square Steel Exposed Work Cover	19.82	6.30
26 05 33 16-0056	EA	Two Toggle Switches, 4-11/16" Square Steel Exposed Work Cover	20.63	6.30
26 05 33 16-0057	EA	One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover	19.58	6.30
26 05 33 16-0058	EA	Two Duplex Receptacles, 4-11/16" Square Steel Exposed Work Cover	18.70	6.30
26 05 33 16-0059	EA	One Toggle Switch And One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover	21.65	6.30
26 05 33 16-0060	EA	One 1.594" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover	20.62	6.30
26 05 33 16-0061	EA	One 2.141" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover	20.62	6.30
26 05 33 16-0062	EA	One 2.625" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover	20.62	6.30
26 05 33 16-0063	EA	Flat, 4-11/16" Square Steel Exposed Work Cover	14.03	6.30
26 05 33 16-0064		**Steel Square Box Brackets** *(26 05 33 16-0001)*		
26 05 33 16-0065	EA	16" Or 24" Width Box Bracket, For Multiple 1-1/2" And 2-1/8" Deep Boxes	20.04	9.47
26 05 33 16-0066	EA	Single Box Bracket, One 4" Or 4-11/16" Square Box	14.33	6.31
26 05 33 16-0067	EA	16" Box Bracket, Up To Three 4" Or 4-11/16" Square Boxes	22.65	9.47
26 05 33 16-0068	EA	24" Box Bracket, Up To Four 4" Or 4-11/16" Square Boxes	23.99	9.47

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LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0069		**4" Octagon Steel Boxes And Covers** *(26 05 33 16-0001)*		
26 05 33 16-0070	EA	1-1/2" Depth, 4" Steel Octagon Box	33.47	15.75
		For Stud Bracket, Add	*1.42*	
26 05 33 16-0071	EA	2-1/8" Depth, 4" Steel Octagon Box	34.42	15.75
26 05 33 16-0072	EA	Flat, 4" Octagon Steel Exposed Work Cover	13.31	6.30
26 05 33 16-0073		**4" Steel Octagonal Concrete Rings And Steel Covers** *(26 05 33 16-0001)*		
		Note: Placed in concrete slabs or walls.		
26 05 33 16-0074	EA	2" Depth, 4" Steel Octagonal Concrete Ring	54.72	
26 05 33 16-0075	EA	2-1/2" Depth, 4" Steel Octagonal Concrete Ring	57.94	
26 05 33 16-0076	EA	3" Depth, 4" Steel Octagonal Concrete Ring	60.64	
26 05 33 16-0077	EA	3-1/2" Depth, 4" Steel Octagonal Concrete Ring	63.29	
26 05 33 16-0078	EA	4" Depth, 4" Steel Octagonal Concrete Ring	68.42	
26 05 33 16-0079	EA	5" Depth, 4" Steel Octagonal Concrete Ring	73.71	
26 05 33 16-0080	EA	6" Depth, 4" Steel Octagonal Concrete Ring	77.98	
26 05 33 16-0081	EA	Flat, 4" Steel Octagonal Concrete Cover	14.62	6.30
26 05 33 16-0082		**4-1/2" Steel Gang Boxes** *(26 05 33 16-0001)*		
26 05 33 16-0083	EA	2 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	46.90	15.75
26 05 33 16-0084	EA	3 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	51.37	17.02
26 05 33 16-0085	EA	4 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	61.02	18.91
26 05 33 16-0086	EA	5 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	77.77	20.80
26 05 33 16-0087	EA	6 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	111.43	22.69
26 05 33 16-0088	EA	2 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	61.53	15.75
26 05 33 16-0089	EA	3 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	66.97	17.02
26 05 33 16-0090	EA	4 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	87.35	18.91
26 05 33 16-0091	EA	5 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	110.52	20.80
26 05 33 16-0092	EA	6 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	176.18	22.69
26 05 33 16-0093	EA	2 Device, Gang Box Mud Ring	20.22	6.30
26 05 33 16-0094	EA	3 Device, Gang Box Mud Ring	20.47	6.30
26 05 33 16-0095	EA	4 Device, Gang Box Mud Ring	23.29	6.30
26 05 33 16-0096	EA	5 Device, Gang Box Mud Ring	28.14	6.30
26 05 33 16-0097	EA	6 Device, Gang Box Mud Ring	38.77	6.30
26 05 33 16-0098	EA	2 Device, Gang Box Flat Cover	17.80	6.30
26 05 33 16-0099	EA	3 Device, Gang Box Flat Cover	20.44	6.30
26 05 33 16-0100	EA	4 Device, Gang Box Flat Cover	23.95	6.30
26 05 33 16-0101	EA	5 Device, Gang Box Flat Cover	28.41	6.30
26 05 33 16-0102	EA	6 Device, Gang Box Flat Cover	39.53	6.30
26 05 33 16-0103		**Steel Switch Boxes** *(26 05 33 16-0001)*		
26 05 33 16-0104	EA	2-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box	35.30	15.75
26 05 33 16-0105	EA	2-3/4" Depth, 3" x 2", Stud Bracket, Steel Switch Box	35.71	15.75
26 05 33 16-0106	EA	3-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box	37.82	15.75
26 05 33 16-0107	EA	2-1/2" Depth, 2 Device, Stud Bracket, Steel Box	42.57	15.75
26 05 33 16-0108	EA	2-1/2" Depth, 3 Device, Stud Bracket, Steel Box	42.98	15.75
26 05 33 16-0109	EA	2-1/2" Depth, 4 Device, Stud Bracket, Steel Box	49.41	15.75
26 05 33 16-0110		**4" x 2" Steel Handy Boxes, Extension Rings And Covers** *(26 05 33 16-0001)*		
26 05 33 16-0111	EA	1-1/2" Deep, 4" x 2" Steel Handy Box	33.37	15.75
		For Stud Bracket, Add	*2.29*	
26 05 33 16-0112	EA	1-7/8" Deep, 4" x 2" Steel Handy Box	33.81	15.75
		For Stud Bracket, Add	*0.99*	
26 05 33 16-0113	EA	2-1/8" Deep, 4" x 2" Steel Handy Box	34.78	15.75
		For Stud Bracket, Add	*1.34*	
26 05 33 16-0114	EA	1-1/2" Deep, 4" x 2" Steel Handy Box Extension Ring	21.57	9.46
26 05 33 16-0115	EA	1-7/8" Deep, 4" x 2" Steel Handy Box Extension Ring	21.13	9.46
26 05 33 16-0116	EA	GFI Receptacle, 2" x 4" Steel Handy Box Exposed Work Cover	7.26	3.15
26 05 33 16-0117	EA	1.406" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover	7.34	3.15
26 05 33 16-0118	EA	Duplex Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover	6.93	3.15
26 05 33 16-0119	EA	Toggle Switch, 4" x 2" Steel Handy Box Exposed Work Cover	6.96	3.15
26 05 33 16-0120	EA	1.594" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover	7.79	3.15
26 05 33 16-0121	EA	Flat, 2" x 4" Steel Handy Box Exposed Work Cover	6.96	3.15
26 05 33 16-0122		**3-1/2" Depth, 3-3/4" Steel Masonry Boxes** *(26 05 33 16-0001)*		
26 05 33 16-0123	EA	1 Device, 3-1/2" Depth, 3-3/4" Steel Masonry Box	49.27	22.06
26 05 33 16-0124	EA	2 Device, 3-1/2" Depth, 3-3/4" Steel Masonry Box	54.41	23.32
26 05 33 16-0125	EA	3 Device, 3-1/2" Depth, 3-3/4" Steel Masonry Box	61.57	25.21
26 05 33 16-0126	EA	4 Device, 3-1/2" Depth, 3-3/4" Steel Masonry Box	69.62	27.74
26 05 33 16-0127		**Cast Boxes** *(26 05 33 16)*		
		Note: For flush or surface mount.		
26 05 33 16-0128		**Cast Iron Alloy Boxes** *(26 05 33 16-0127)*		
		See CSI section 26 27 26 00-0265 for box covers.		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0129		**Shallow, Single Gang Cast Iron Alloy Boxes** *(26 05 33 16-0128)* Note: Up to 2" deep boxes.		
26 05 33 16-0130	EA	1/2" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box Note: One hub.	111.73	37.82
26 05 33 16-0131	EA	3/4" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box Note: One hub.	119.62	44.12
26 05 33 16-0132	EA	1" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box Note: One hub.	140.50	53.57
26 05 33 16-0133	EA	1/2" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box Note: Two hub.	138.94	50.43
26 05 33 16-0134	EA	3/4" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box Note: Two hub.	178.62	59.88
26 05 33 16-0135	EA	1/2" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box Note: Two hub.	138.32	50.43
26 05 33 16-0136	EA	3/4" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	166.51	59.88
26 05 33 16-0137	EA	1/2" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	142.22	50.43
26 05 33 16-0138	EA	3/4" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	166.56	59.88
26 05 33 16-0139	EA	1/2" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	138.32	50.43
26 05 33 16-0140	EA	3/4" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	161.75	59.88
26 05 33 16-0141	EA	1/2" Depth, Type FSCA, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	164.18	63.03
26 05 33 16-0142	EA	3/4" Depth, Type FSCA, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	194.07	75.64
26 05 33 16-0143	EA	1/2" Depth, Type FSCC, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	171.65	63.03
26 05 33 16-0144	EA	3/4" Depth, Type FSCC, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	222.57	75.64
26 05 33 16-0145	EA	1/2" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	176.53	63.03
26 05 33 16-0146	EA	3/4" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	210.85	75.64
26 05 33 16-0147	EA	1/2" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	163.54	63.03
26 05 33 16-0148	EA	3/4" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	214.15	75.64
26 05 33 16-0149	EA	1/2" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box Note: Four hubs.	209.50	75.64
26 05 33 16-0150	EA	3/4" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box Note: Four hubs.	252.72	91.39
26 05 33 16-0151		**Deep, Single Gang Cast Iron Alloy Boxes** *(26 05 33 16-0128)* Note: >2" deep boxes.		
26 05 33 16-0152	EA	1/2" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box Note: One hub.	117.23	37.82
26 05 33 16-0153	EA	3/4" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box Note: One hub.	134.89	44.12
26 05 33 16-0154	EA	1" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box Note: One hub.	158.12	53.57
26 05 33 16-0155	EA	1/2" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	149.00	50.43
26 05 33 16-0156	EA	3/4" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	171.68	59.88
26 05 33 16-0157	EA	1" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	206.25	72.48
26 05 33 16-0158	EA	3/4" Depth, Type FDS, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	185.40	59.88
26 05 33 16-0159	EA	3/4" Depth, Type FDCC, Deep, Single Gang Cast Iron Alloy Box Note: Three hubs.	238.82	75.64
26 05 33 16-0160		**Shallow, Two Gang Cast Iron Alloy Boxes** *(26 05 33 16-0128)* Note: Up to 2" deep boxes.		
26 05 33 16-0161	EA	1/2" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box Note: One hub.	135.34	40.97
26 05 33 16-0162	EA	3/4" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box Note: One hub.	149.57	47.27
26 05 33 16-0163	EA	1" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box Note: One hub.	173.38	56.73
26 05 33 16-0164	EA	1/2" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box Note: Two hubs.	163.20	53.57
26 05 33 16-0165	EA	3/4" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box Note: Two hubs.	184.93	63.03
26 05 33 16-0166		**Deep, Two Gang Cast Iron Alloy Boxes** *(26 05 33 16-0128)* Note: >2" deep boxes.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0167	EA	1/2" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box Note: One hub.	151.86	40.97
26 05 33 16-0168	EA	3/4" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box Note: One hub.	165.11	47.27
26 05 33 16-0169	EA	1/2" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box Note: Two hubs.	188.07	53.57
26 05 33 16-0170	EA	3/4" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box Note: Two hubs.	211.20	63.03
26 05 33 16-0171		Cast Aluminum Boxes *(26 05 33 16-0127)* See CSI section 26 27 26 00-0265 for box covers.		
26 05 33 16-0172		Shallow, Single Gang Cast Aluminum Boxes *(26 05 33 16-0171)* Note: Up to 2" deep boxes.		
26 05 33 16-0173	EA	1/2" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box Note: One hub.	99.12	31.52
26 05 33 16-0174	EA	3/4" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box Note: One hub.	113.17	37.82
26 05 33 16-0175	EA	1" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box Note: One hub.	124.72	47.27
26 05 33 16-0176	EA	1/2" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box Note: One hub.	92.71	31.52
26 05 33 16-0177	EA	3/4" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box Note: One hub.	117.69	37.82
26 05 33 16-0178	EA	1/2" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	124.96	44.12
26 05 33 16-0179	EA	3/4" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	150.01	53.57
26 05 33 16-0180	EA	1" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	188.45	66.18
26 05 33 16-0181	EA	1/2" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	136.11	44.12
26 05 33 16-0182	EA	3/4" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	144.58	53.57
26 05 33 16-0183	EA	1/2" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	129.77	44.12
26 05 33 16-0184	EA	3/4" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	148.37	53.57
26 05 33 16-0185	EA	1/2" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	125.67	44.12
26 05 33 16-0186	EA	3/4" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	148.37	53.57
26 05 33 16-0187	EA	1/2" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	116.21	44.12
26 05 33 16-0188	EA	3/4" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	158.43	53.57
26 05 33 16-0189	EA	1/2" Depth, Type FSCA, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	147.95	56.73
26 05 33 16-0190	EA	3/4" Depth, Type FSCA, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	179.68	69.34
26 05 33 16-0191	EA	1/2" Depth, Type FSCC, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	157.75	56.73
26 05 33 16-0192	EA	3/4" Depth, Type FSCC, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	213.64	69.34
26 05 33 16-0193	EA	1/2" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	156.93	56.73
26 05 33 16-0194	EA	3/4" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	192.60	69.34
26 05 33 16-0195	EA	3/4" Depth, Type FST, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	195.51	69.34
26 05 33 16-0196	EA	1/2" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box Note: Four hubs.	191.32	69.34
26 05 33 16-0197	EA	3/4" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box Note: Four hubs.	233.44	85.09
26 05 33 16-0198		Deep, Single Gang Cast Aluminum Boxes *(26 05 33 16-0171)* Note: >2" deep boxes.		
26 05 33 16-0199	EA	1/2" Depth, Type FD, Deep, Single Gang Cast Aluminum Box Note: One hub.	110.49	31.52
26 05 33 16-0200	EA	3/4" Depth, Type FD, Deep, Single Gang Cast Aluminum Box Note: One hub.	132.35	37.82
26 05 33 16-0201	EA	1" Depth, Type FD, Deep, Single Gang Cast Aluminum Box Note: One hub.	151.10	47.27
26 05 33 16-0202	EA	3/4" Depth, Type FDA, Deep, Single Gang Cast Aluminum Box Note: One hub.	142.74	37.82
26 05 33 16-0203	EA	1/2" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	139.66	44.12
26 05 33 16-0204	EA	3/4" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	168.06	53.57
26 05 33 16-0205	EA	1" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	186.75	66.18
26 05 33 16-0206	EA	3/4" Depth, Type FDS, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	170.47	53.57

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0207	EA	3/4" Depth, Type FDCC, Deep, Single Gang Cast Aluminum Box Note: Three hubs.	207.75	69.34
26 05 33 16-0208		**Shallow, Two Gang Cast Aluminum Boxes** *(26 05 33 16-0171)* Note: Up to 2" deep boxes.		
26 05 33 16-0209	EA	1/2" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box Note: One hub.	132.72	34.66
26 05 33 16-0210	EA	3/4" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box Note: One hub.	151.73	40.97
26 05 33 16-0211	EA	1" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box Note: One hub.	161.68	50.43
26 05 33 16-0212	EA	1/2" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box Note: Two hubs.	165.11	47.27
26 05 33 16-0213	EA	3/4" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box Note: Two hubs.	166.73	56.73
26 05 33 16-0214	EA	1" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box Note: Two hubs.	206.09	69.34
26 05 33 16-0215		**Deep, Two Gang Cast Aluminum Boxes** *(26 05 33 16-0171)* Note: >2" deep boxes.		
26 05 33 16-0216	EA	1/2" Depth, Type FD, Deep, Two Gang Cast Aluminum Box Note: One hub.	132.59	34.66
26 05 33 16-0217	EA	3/4" Depth, Type FD, Deep, Two Gang Cast Aluminum Box Note: One hub.	153.28	40.97
26 05 33 16-0218	EA	1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	168.66	47.27
26 05 33 16-0219	EA	3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	190.50	56.73
26 05 33 16-0220	EA	1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	168.66	47.27
26 05 33 16-0221	EA	3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	190.50	56.73
26 05 33 16-0222		**Shallow, Three Gang Cast Aluminum Boxes** *(26 05 33 16-0171)* Note: Up to 2" deep boxes.		
26 05 33 16-0223	EA	1/2" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box Note: Two hubs.	176.86	50.43
26 05 33 16-0224	EA	3/4" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box Note: Two hubs.	197.79	59.88
26 05 33 16-0225		**Deep, Three Gang Cast Aluminum Boxes** *(26 05 33 16-0171)* Note: >2" deep boxes.		
26 05 33 16-0226	EA	3/4" Depth, Type FD, Deep, Three Gang Cast Aluminum Box Note: One hub.	204.26	44.12
26 05 33 16-0227	EA	1" Depth, Type FD, Deep, Three Gang Cast Aluminum Box Note: One hub.	226.82	53.57
26 05 33 16-0228		**Cast Aluminum Explosion Proof Outlet Bodies** *(26 05 33 16-0127)* Note: Class I, Div. 1 & 2; Class II, Div. 1 & 2; and Class III.		
26 05 33 16-0229	EA	1/2" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body	210.41	50.43
26 05 33 16-0230	EA	3/4" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body	261.99	56.73
26 05 33 16-0231	EA	1" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body	237.35	63.03
26 05 33 16-0232	EA	1/2" Depth, Type GRSSA, 13 Opening, Cast Aluminum Explosion Proof Outlet Body	233.01	56.73
26 05 33 16-0233	EA	3/4" Depth, 13 Hubs, Explosion Proof Conduit Outlet Box With Cover Cast Aluminum, Type GRSSA	285.37	63.03
26 05 33 16-0234		**Non-Metallic (PVC) Boxes** *(26 05 33 16)* See CSI section 26 27 26 00-0265 for box covers.		
26 05 33 16-0235		**Shallow, Single Gang Non-Metallic (PVC) Boxes** *(26 05 33 16-0234)*		
26 05 33 16-0236	EA	1/2" Depth, Type FSE, Shallow, Single Gang Non-Metallic (PVC) Box Note: One hub.	65.45	26.48
26 05 33 16-0237	EA	3/4" Depth, Type FSE, Shallow, Single Gang Non-Metallic (PVC) Box Note: One hub.	74.66	30.89
26 05 33 16-0238	EA	1" Depth, Type FSE, Shallow, Single Gang Non-Metallic (PVC) Box Note: One hub.	84.62	37.51
26 05 33 16-0239	EA	1/2" Depth, Type FSC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	83.49	35.30
26 05 33 16-0240	EA	3/4" Depth, Type FSC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	98.01	41.92
26 05 33 16-0241	EA	1" Depth, Type FSC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	118.89	50.74
26 05 33 16-0242	EA	1/2" Depth, Type FSS, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	83.82	35.30
26 05 33 16-0243	EA	3/4" Depth, Type FSS, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	97.13	41.92
26 05 33 16-0244	EA	1" Depth, Type FSS, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	115.88	50.74

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0245	EA	1/2" Depth, Type FSCC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Three hubs.	105.94	44.12
26 05 33 16-0246	EA	3/4" Depth, Type FSCC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Three hubs.	120.09	52.95
26 05 33 16-0247	EA	1" Depth, Type FSCC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Three hubs.	141.11	63.98
26 05 33 16-0248		**Deep, Single Gang Non-Metallic (PVC) Boxes** *(26 05 33 16-0234)*		
26 05 33 16-0249	EA	No Hub, Type FD, Deep, Single Gang Non-Metallic (PVC) Box Note: No hubs.	66.42	26.48
26 05 33 16-0250	EA	1/2" Depth, Type FDE, Deep, Single Gang Non-Metallic (PVC) Box Note: One hub.	64.72	26.48
26 05 33 16-0251	EA	3/4" Depth, Type FDE, Deep, Single Gang Non-Metallic (PVC) Box Note: One hub.	76.98	30.89
26 05 33 16-0252	EA	1" Depth, Type FDE, Deep, Single Gang Non-Metallic (PVC) Box Note: One hub.	85.56	37.51
26 05 33 16-0253	EA	1/2" Depth, Type FDC, Deep, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	85.40	35.30
26 05 33 16-0254	EA	3/4" Depth, Type FDC, Deep, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	95.50	41.92
26 05 33 16-0255	EA	1" Depth, Type FDC, Deep, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	114.01	50.74
26 05 33 16-0256		**Shallow, Two Gang Non-Metallic (PVC) Boxes** *(26 05 33 16-0234)*		
26 05 33 16-0257	EA	1/2" Depth, Type FSE, Shallow, Two Gang Non-Metallic (PVC) Box Note: One hub.	70.37	28.68
26 05 33 16-0258	EA	3/4" Depth, Type FSE, Shallow, Two Gang Non-Metallic (PVC) Box Note: One hub.	80.55	33.09
26 05 33 16-0259	EA	1" Depth, Type FSE, Shallow, Two Gang Non-Metallic (PVC) Box Note: One hub.	89.20	39.71
26 05 33 16-0260	EA	1/2" Depth, Type FSC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	85.78	37.51
26 05 33 16-0261	EA	3/4" Depth, Type FSC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	106.58	44.12
26 05 33 16-0262	EA	1" Depth, Type FSC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	125.94	52.95
26 05 33 16-0263	EA	1/2" Depth, Type FSS, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	88.04	37.51
26 05 33 16-0264	EA	3/4" Depth, Type FSS, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	112.85	44.12
26 05 33 16-0265	EA	1" Depth, Type FSS, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	120.91	52.95
26 05 33 16-0266	EA	1/2" Depth, Type FSCC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Three hubs.	107.53	46.33
26 05 33 16-0267	EA	3/4" Depth, Type FSCC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Three hubs.	142.79	55.16
26 05 33 16-0268	EA	1" Depth, Type FSCC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Three hubs.	145.37	66.18
26 05 33 16-0269		**Poke Thru Units** *(26 05 33 16)*		
26 05 33 16-0270		**Surface Poke Thru Units** *(26 05 33 16-0269)* Note: Excludes concrete drilling.		
26 05 33 16-0271	EA	Single 20 Amperes, Duplex Receptacle RC3 Power And Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black non-metallic cover. Excludes communication jacks. Wiremold RC3ATCAL.	510.43	47.27
26 05 33 16-0272	EA	Retrofit Kit Upgrades Existing RC3 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements Note: Includes 20 Amp duplex receptacle. Tile or carpet with brushed aluminum flange with black non-metallic cover. Wiremold RC3KTCAL.	326.32	
26 05 33 16-0273	EA	20 Amperes, Replacement Duplex Receptacle For RC3 Series Power And Communications Poke Thru Unit Note: Wiremold RC37REC.	47.00	12.61
26 05 33 16-0274	EA	Abandonment Plate For RC3 Series Power And Communications Poke Thru Unit Note: Wiremold RC3APTCBK.	54.95	6.30
26 05 33 16-0275	EA	Four 20 Amperes, Receptacles RC4 Power And Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black non-metallic cover. Excludes communication jacks. Wiremold RC4ATCAL.	576.67	50.43
26 05 33 16-0276	EA	Retrofit Kit Upgrades Existing RC4 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements Note: Includes two 20 Amp duplex receptacles. Tile or carpet with brushed aluminum flange with black non-metallic cover. Excludes communication jacks. Wiremold RC4KTCAL.	305.95	
26 05 33 16-0277	EA	Two 20 Amperes, Replacement Duplex Receptacles For RC4 Series Power And Communications Poke Thru Unit Note: Wiremold RC4REC2.	80.00	18.91
26 05 33 16-0278	EA	Abandonment Plate For RC4 Series Power And Communications Poke Thru Unit Note: Wiremold RC4APTCBK.	54.95	6.30
26 05 33 16-0279	EA	Abandonment Plug For RC4 Series Power And Communications Poke Thru Unit Note: Wiremold ABPLUG4.	158.94	12.61
26 05 33 16-0280	EA	Four Jack RC9AMD Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black non-metallic cover. Includes bezels to accept four Ortronics TracJack inserts and two Ortronics Series II inserts. Excludes communication jacks. Wiremold RC9AMDTCAL.	457.20	44.12

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0281	EA	Abandonment Plate For RC9 Series Communications Poke Thru Unit Note: Wiremold RC9APTCBK.	38.59	6.30
26 05 33 16-0282	EA	Eight Jack AMD8 Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black non-metallic cover. Includes bezels to accept eight Ortronics TracJack inserts and four Ortronics Series II inserts. Excludes communication jacks. Wiremold AMD8ATCAL.	455.13	44.12
26 05 33 16-0283	EA	Communication Conduit Adapter For Poke Thru Units Note: Includes two conduit connections for communication systems. Wiremold COM75.	53.16	6.30
26 05 33 16-0284		**Recessed Poke Thru Units** *(26 05 33 16-0269)* Note: Excludes concrete drilling.		
26 05 33 16-0285		**Evolution 6AT Poke Thru Units** *(26 05 33 16-0284)* Note: Excludes concrete drilling.		
26 05 33 16-0286	EA	Recessed Prewired Assembly With Surface Style Cover (Wiremold 6ATCP) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	843.70	50.43
26 05 33 16-0287	EA	Recessed Prewired Assembly With Flush Style Cover (Wiremold 6ATP) Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	843.80	50.43
26 05 33 16-0288	EA	Recessed Assembly With Surface Style Cover (Wiremold 6ATC) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	804.52	50.43
26 05 33 16-0289	EA	Recessed Assembly With Flush Style Cover (Wiremold 6AT) Note: For tile, wood or laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	804.52	50.43
26 05 33 16-0290	EA	Recessed Prewired Audio/Video Assembly With Surface Style Cover (Wiremold 6ATCPA) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	843.70	50.43
26 05 33 16-0291	EA	Recessed Prewired Audio/Video Assembly With Flush Style Cover (Wiremold 6ATPA) Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	843.70	50.43
26 05 33 16-0292	EA	Recessed Furniture Feed Assembly With Surface Style Cover (Wiremold 6ATCFF) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Die-cast aluminum cover assembly provides one (1) 3/4" trade size screw plug opening and one (1) concentric 2" to 1 1/4" trade size screw plug opening and is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	771.35	50.43
26 05 33 16-0293	EA	Recessed Assembly With Disposable Plate (Wiremold 6STC) Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. No device plates are included. For use with the following cover assemblies (purchased separately): 6CTC, 6CT, and 6CFFTC Series.	486.10	47.27
26 05 33 16-0294	EA	Recessed Prewired Audio/Video Assembly With Disposable Plate (Wiremold 6STCPAV) Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies(purchased separately): 6CTC and 6CT Series.	520.76	47.27
26 05 33 16-0295	EA	Recessed Prewired Assembly With Disposable Plate (Wiremold 6STCP) Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 6CTC and 6CT Series.	524.19	47.27
26 05 33 16-0296	EA	6" Pre-Pour Poke-Thru Sleeve (Wiremold 6PPS) Note: Non-metallic sleeve attaches to structural decking and maintains 6" to 6-1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.	150.47	25.21
26 05 33 16-0297	EA	Surface Style Cover Assembly (Wiremold 6CTC) Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CTC Series cover assemblies designed for use with 6STC, 6STCP, and 6STCPAV Poke-Thru Stem Assemblies.	338.82	12.61
26 05 33 16-0298	EA	Flush Style Cover Assembly (Wiremold 6CT) Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CT Series cover assemblies designed for use with 6STC, 6STCP and 6STCPAV Poke-Thru Stem Assemblies. Includes one (1) 6TS Tile Shim.	338.82	12.61
26 05 33 16-0299	EA	Furniture Feed Cover Assembly (Wiremold 6CFFTC) Note: Surface style, die-cast aluminum cover assembly, with one (1) 3/4" trade size screw plug opening, and one (1) concentric 2" to 1-1/4" trade size screw plug opening. Cover assembly is available in finishes: black (BK), gray(GY), nickel (NK), brass (BS), and bronze (BZ). 6CFFTC Series Cover Assemblies designed for use with 6STC Poke- Thru Stem Assembly. Includes one (1) 3/4" and one (1) 2" trade size conduit fittings and one (1) divider to separate services.	281.99	12.61
26 05 33 16-0300	EA	Tile Shim (Wiremold 6TS) Note: Used for floor coverings greater than 5/16" The 6TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" of adjustment.	41.00	3.15
26 05 33 16-0301	EA	Device Mounting Plate (Wiremold 6AAP) Note: Device plate that will accept up to two (2) Extron® Electronics AAP style plates. For use in the center compartment only. Devices supplied by others.	20.85	6.30
26 05 33 16-0302	EA	Device Mounting Plate (Wiremold 6ACT8A) Note: Device plate that will accept up to eight (8) ports of communication devices. For use in the center compartment only. Devices supplied by others.	23.93	6.30
26 05 33 16-0303	EA	Device Mounting Plate (Wiremold 6B) Note: Device plate used to blank off center compartment, when no devices are used.	20.76	6.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0304	EA	Device Mounting Plate (Wiremold 6DEC) Note: Device plate that will accept Decorator style devices such as 20 amperes receptacles, GFCIs, 106 adapters or A/V devices. For use in the center compartment only. Devices supplied by others.	20.82	6.30
26 05 33 16-0305	EA	Device Mounting Plate (Wiremold 6DP) Note: Device plate that will accept standard 20 amperes duplex receptacle or duplex Turnlok receptacle. For use in the center compartment only. Devices supplied by others.	20.69	6.30
26 05 33 16-0306	EA	Device Mounting Plate (Wiremold 6MAAP) Note: Device plate that will accept up to six (6) Extron® Electronics MAAP style plates. For use in the center compartment only. Devices supplied by others.	24.26	6.30
26 05 33 16-0307	EA	Device Mounting Plate (Wiremold 6MAAP2A) Note: Combination device plate that will accept up to three (3) Extron® Electronics MAAP style plates, and up to two (2) ports of communication devices. For use in the center compartment only. Devices supplied by others.	24.01	6.30
26 05 33 16-0308	EA	Mosaic Mounting Plate (Wiremold 6MOS) Note: Device plate will accept two (2) standard [45mm x 45mm] or one (1) standard [45mm x 90mm] Mosaic style device(s). Devices supplied by others.	24.57	6.30
26 05 33 16-0309	EA	Device Mounting Plate (Wiremold 6S1) Note: Receptacle opening 1 3/8". For 6" poke-thru units only.	20.39	6.30
26 05 33 16-0310	EA	Device Mounting Plate (Wiremold 6S2) Note: Receptacle opening 1 9/16". For 6" poke-thru units only.	20.41	6.30
26 05 33 16-0311	EA	Device Mounting Plate (Wiremold 6SER) Note: Device plate that will accept up to four (4) Ortronics® Series II dual modular inserts. For use in the center compartment only. Devices supplied by others.	20.14	6.30
26 05 33 16-0312	EA	Device Mounting Plate (Wiremold 6TRAC) Note: Device plate that will accept up to eight (8) Ortronics® TracJack devices. For use in the center compartment only. Devices supplied by others.	20.14	6.30
26 05 33 16-0313	EA	20 Amperes, Duplex Receptacles (Wiremold 68REC) Note: Two (2) proprietary 20 amperes duplex power receptacles with mounting plates. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated ground device.	47.61	9.46
26 05 33 16-0314	EA	Device Mounting Plate (Wiremold 68B) Note: Blank plate. Used to blank off either of the side compartments when no devices or cabling are to be used.	18.52	6.30
26 05 33 16-0315	EA	Device Mounting Plate (Wiremold 68MAAP) Note: Device plate that will accept up to two (2) Extron® Electronics MAAP device plates. For use in either of the two side compartments only. Not for use in the center compartment. Extron Devices supplied by others.	18.96	6.30
26 05 33 16-0316	EA	20 Amperes, Duplex Receptacles (Wiremold 68REC-25) Note: Two (2) proprietary 20 amperes duplex power receptacles with mounting plates and 25' leads. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated	146.85	11.34
26 05 33 16-0317	EA	Device Mounting Plate (Wiremold 682A) Note: Device plate that will accept up to two (2) ports of communication devices. For use in either of the two side compartments only. Not for use in the center compartment. Communication devices supplied by others.	23.73	6.30
26 05 33 16-0318	EA	Bottom Housing Assembly (Wiremold 5PTHA) Note: Half-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required. For use on side compartments only.	24.68	6.30
26 05 33 16-0319	EA	Bottom Housing Assembly (Wiremold 5BLH) Note: Half-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required. For use on side compartments only. Includes tunnels for 6" and 8" poke-thru devices.	25.36	6.30
26 05 33 16-0320	EA	Bottom Housing Assembly (Wiremold 152CHA) Note: One and a half-gang 2" trade size conduit housing assembly. Recommended for use with furniture feed devices (6ATCFF). Covers the center compartment and one of the side compartments.	39.41	12.61
26 05 33 16-0321	EA	Bottom Housing Assembly (Wiremold 575CHA) Note: Half-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections. For use on side compartments only.	45.36	15.75
26 05 33 16-0322	EA	Bottom Housing Assembly (Wiremold 175CHA) Note: One-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections.	49.77	15.75
26 05 33 16-0323	EA	Bottom Housing Assembly (Wiremold 1125CHA) Note: One-gang 1 1/4" trade size conduit housing assembly.	37.92	12.61
26 05 33 16-0324	EA	Bottom Housing Assembly (Wiremold 1PTHA) Note: One-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required.	24.52	6.30
26 05 33 16-0325	EA	Bottom Housing Assembly (Wiremold 1BLH) Note: One-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required.	24.52	6.30
26 05 33 16-0326	EA	Bottom Housing Assembly (Wiremold 15FFHA) Note: One and a half-gang pass through conduit housing assembly. Used for furniture feed applications on the center compartment only. Only for use with 6AT Series units.	25.79	6.30
26 05 33 16-0327	EA	Bottom Housing Assembly (Wiremold 1BHA) Note: One-gang bottom housing assembly. Designed to accept 175CHA, 1125CHA, 1PTHA, and 1BLH plates.	26.64	6.30
26 05 33 16-0328		Evolution 8AT Poke Thru Units *(26 05 33 16-0284)* Note: Excludes concrete drilling.		
26 05 33 16-0329	EA	Recessed Prewired Assembly With Surface Style Cover (Wiremold 8ATCP) Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,104.35	50.43
26 05 33 16-0330	EA	Recessed Prewired Assembly With Flush Style Cover (Wiremold 8ATP) Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" [83mm] below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,051.47	50.43
26 05 33 16-0331	EA	Recessed Prewired Assembly With Flush Style Cover (Wiremold 8AT2P) Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" [83mm] below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,116.32	50.43

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0332	EA	Recessed Assembly With Surface Style Cover (Wiremold 8ATC) Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,041.52	50.43
26 05 33 16-0333	EA	Recessed Assembly With Flush Style Cover (Wiremold 8AT) Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,032.09	50.43
26 05 33 16-0334	EA	Recessed Assembly With Disposable Plate (Wiremold 8STC) Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.	626.01	47.27
26 05 33 16-0335	EA	Recessed Prewired Assembly With Disposable Plate (Wiremold 8STCP) Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.	700.51	47.27
26 05 33 16-0336	EA	8" Pre-Pour Poke-Thru Sleeve (Wiremold 8PPS) Note: Non-metallic sleeve attaches to structural decking and maintains 8" to 8 1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.	179.54	25.21
26 05 33 16-0337	EA	Surface Style Cover Assembly (Wiremold 8CTC) Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies.	366.25	12.61
26 05 33 16-0338	EA	Flush Style Cover Assembly (Wiremold 8CT) Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies. Includes one (1) 8TS Tile Shim.	366.25	12.61
26 05 33 16-0339	EA	Tile Shim (Wiremold 8TS) Note: Used for floor coverings greater than 5/16". The 8TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" [9.5mm] of adjustment.	63.62	3.15
26 05 33 16-0340	EA	Device Mounting Plate (Wiremold 8B) Note: Singlegang device plate used to blank off any one (1) of the three (3) gangs in the center compartment, when no devices are used.	21.51	6.30
26 05 33 16-0341	EA	Device Mounting Plate (Wiremold 8DP) Note: Singlegang device plate that accepts standard 20 amperes duplex receptacle or a duplex Turnlok receptacle. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	21.63	6.30
26 05 33 16-0342	EA	Device Mounting Plate (Wiremold 8DEC) Note: Singlegang device plate that will accept Decorator style devices such as 20 amperes receptacles, GGCIs, 106 adapters or A/V devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	21.76	6.30
26 05 33 16-0343	EA	Device Mounting Plate (Wiremold 8ACT6A) Note: Singlegang device plate that will accept up to six (6) ports of communication devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	25.07	6.30
26 05 33 16-0344	EA	Mosaic Mounting Plate (Wiremold 8MOS) Note: Device plate accepts three (3) standard Mosaic devices. Devices supplied by others.	30.15	6.30
26 05 33 16-0345	EA	Crestron Double Gang Plate (Wiremold 8CREST) Note: Device plate accepts Crestron double-gang decorator style devices.	30.11	6.30
26 05 33 16-0346	EA	Device Mounting Plate (Wiremold 8S1) Note: Receptacle opening 1 3/8". For 8" poke-thru units only.	20.89	6.30
26 05 33 16-0347	EA	Device Mounting Plate (Wiremold 8S2) Note: Receptacle opening 1 9/16". For 8" poke-thru units only.	21.15	6.30
26 05 33 16-0348	EA	Device Mounting Plate (Wiremold 8TRAC) Note: Singlegang device plate that will accept up to six (6) Ortronics TracJack devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	20.89	6.30
26 05 33 16-0349	EA	Device Mounting Plate (Wiremold 8SER) Note: Singlegang device plate that will accept up to three (3) Ortronics Series II dual modular inserts. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	20.89	6.30
26 05 33 16-0350	EA	Device Mounting Plate (Wiremold 8MAAP) Note: Singlegang device plate that will accept up to four (4) Extron® Electronics MAAP style plates. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	29.70	6.30
26 05 33 16-0351	EA	Device Mounting Plate (Wiremold 8AAP) Note: Twogang device plate that will accept up to four (4) Extron® Electronics AAP style plates. 8AAP takes up 2 of the 3 gangs in the center compartment. Devices supplied by others.	24.92	6.30
26 05 33 16-0352	EA	8" Divider (Wiremold 8DIV) Note: Divider allows for separation of services when required.	28.58	6.30
26 05 33 16-0353	EA	Bottom Housing Assembly (Wiremold 22CHA) Note: Two-gang 2" trade size conduit housing assembly. Used on 8AT Series devices. Covers two (2) of the three (3) gangs in the center compartment. Only for use with 8AT Series units.	39.41	12.61

26 05 33 23 Surface Raceways for Electrical Systems *(26 05 33)*

26 05 33 23-0001 Raceways *(26 05 33 23)*

26 05 33 23-0002 Wireway With Screw Cover *(26 05 33 23-0001)*

Note: Also known as wire trough. Galvanized steel construction. Mounted exposed on flat wall surface.

26 05 33 23-0003 2-1/2" x 2-1/2", Wireway With Screw Cover *(26 05 33 23-0002)*

26 05 33 23-0004	LF	2-1/2" x 2-1/2", NEMA 1, Surface Mounted Wireway With Screw Cover	28.36	5.75
		For Combination Hinged Screw Cover, Add	*0.84*	
		For Concrete Or Masonry Surface, Add	*0.58*	
26 05 33 23-0005	EA	2-1/2" x 2-1/2", End Plate For Surface Mounted Wireway With Screw Cover	23.38	8.64
		For Combination Hinged Screw Cover, Add	*0.31*	
26 05 33 23-0006	EA	2-1/2" x 2-1/2", Coupling For Surface Mounted Wireway With Screw Cover	27.65	10.77
		For Combination Hinged Screw Cover, Add	*0.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0007	EA	2-1/2" x 2-1/2", Panel Adapter For Surface Mounted Wireway With Screw Cover	58.22	20.16
		For Combination Hinged Screw Cover, Add	*0.90*	
26 05 33 23-0008	EA	2-1/2" x 2-1/2", Elbow For Surface Mounted Wireway With Screw Cover	93.89	20.16
		For Combination Hinged Screw Cover, Add	*2.68*	
26 05 33 23-0009	EA	2-1/2" x 2-1/2", Tee For Surface Mounted Wireway With Screw Cover	139.09	28.68
		For Combination Hinged Screw Cover, Add	*4.09*	
26 05 33 23-0010	EA	2-1/2" x 2-1/2", Cross For Surface Mounted Wireway With Screw Cover	156.14	31.68
		For Combination Hinged Screw Cover, Add	*4.64*	
26 05 33 23-0011		**4" x 4", Wireway With Screw Cover** *(26 05 33 23-0002)*		
26 05 33 23-0012	LF	4" x 4", NEMA 1, Surface Mounted Wireway With Screw Cover	34.73	7.26
		For Combination Hinged Screw Cover, Add	*1.02*	
		For Concrete Or Masonry Surface, Add	*0.72*	
26 05 33 23-0013	LF	4" x 4", NEMA 3R, Surface Mounted Wireway With Screw Cover	62.40	7.26
		For Combination Hinged Screw Cover, Add	*2.40*	
		For Concrete Or Masonry Surface, Add	*0.72*	
26 05 33 23-0014	EA	4" x 4", End Plate For Surface Mounted Wireway With Screw Cover	19.04	6.34
		For Combination Hinged Screw Cover, Add	*0.32*	
26 05 33 23-0015	EA	4" x 4", Coupling For Surface Mounted Wireway With Screw Cover	30.56	12.09
		For Combination Hinged Screw Cover, Add	*0.32*	
26 05 33 23-0016	EA	4" x 4", Panel Adapter For Surface Mounted Wireway With Screw Cover	68.75	24.65
		For Combination Hinged Screw Cover, Add	*0.97*	
26 05 33 23-0017	EA	4" x 4", Elbow For Surface Mounted Wireway With Screw Cover	107.97	24.65
		For Combination Hinged Screw Cover, Add	*2.93*	
26 05 33 23-0018	EA	4" x 4", Tee For Surface Mounted Wireway With Screw Cover	152.93	32.02
		For Combination Hinged Screw Cover, Add	*4.44*	
26 05 33 23-0019	EA	4" x 4", Cross For Surface Mounted Wireway With Screw Cover	176.66	37.43
		For Combination Hinged Screw Cover, Add	*5.09*	
26 05 33 23-0020		**6" x 6", Wireway With Screw Cover** *(26 05 33 23-0002)*		
26 05 33 23-0021	LF	6" x 6", NEMA 1, Surface Mounted Wireway With Screw Cover	51.93	8.64
		For Combination Hinged Screw Cover, Add	*1.73*	
		For Concrete Or Masonry Surface, Add	*0.87*	
26 05 33 23-0022	LF	6" x 6", NEMA 3R, Surface Mounted Wireway With Screw Cover	100.46	8.64
		For Combination Hinged Screw Cover, Add	*4.16*	
		For Concrete Or Masonry Surface, Add	*0.87*	
26 05 33 23-0023	EA	6" x 6", End Plate For Surface Mounted Wireway With Screw Cover	24.08	6.91
		For Combination Hinged Screw Cover, Add	*0.51*	
26 05 33 23-0024	EA	6" x 6", Coupling For Surface Mounted Wireway With Screw Cover	39.05	14.40
		For Combination Hinged Screw Cover, Add	*0.51*	
26 05 33 23-0025	EA	6" x 6", Panel Adapter For Surface Mounted Wireway With Screw Cover	97.10	28.68
		For Combination Hinged Screw Cover, Add	*1.99*	
26 05 33 23-0026	EA	6" x 6", Elbow For Surface Mounted Wireway With Screw Cover	138.51	28.68
		For Combination Hinged Screw Cover, Add	*4.06*	
26 05 33 23-0027	EA	6" x 6", Tee For Surface Mounted Wireway With Screw Cover	217.60	35.82
		For Combination Hinged Screw Cover, Add	*7.30*	
26 05 33 23-0028	EA	6" x 6", Cross For Surface Mounted Wireway With Screw Cover	235.87	41.46
		For Combination Hinged Screw Cover, Add	*7.65*	
26 05 33 23-0029		**8" x 8", Wireway With Screw Cover** *(26 05 33 23-0002)*		
26 05 33 23-0030	LF	8" x 8", NEMA 1, Surface Mounted Wireway With Screw Cover	83.76	9.44
		For Combination Hinged Screw Cover, Add	*3.25*	
		For Concrete Or Masonry Surface, Add	*0.94*	
26 05 33 23-0031	LF	8" x 8", NEMA 3R, Surface Mounted Wireway With Screw Cover	152.86	9.44
		For Combination Hinged Screw Cover, Add	*6.70*	
		For Concrete Or Masonry Surface, Add	*0.94*	
26 05 33 23-0032	EA	8" x 8", End Plate For Surface Mounted Wireway With Screw Cover	26.52	7.49
		For Combination Hinged Screw Cover, Add	*0.58*	
26 05 33 23-0033	EA	8" x 8", Coupling For Surface Mounted Wireway With Screw Cover	42.64	15.55
		For Combination Hinged Screw Cover, Add	*0.58*	
26 05 33 23-0034	EA	8" x 8", Panel Adapter For Surface Mounted Wireway With Screw Cover	108.36	31.56
		For Combination Hinged Screw Cover, Add	*2.26*	
26 05 33 23-0035	EA	8" x 8", Elbow For Surface Mounted Wireway With Screw Cover	175.62	31.56
		For Combination Hinged Screw Cover, Add	*5.62*	
26 05 33 23-0036	EA	8" x 8", Tee For Surface Mounted Wireway With Screw Cover	261.66	38.94
		For Combination Hinged Screw Cover, Add	*9.19*	
26 05 33 23-0037	EA	8" x 8", Cross For Surface Mounted Wireway With Screw Cover	365.22	47.23
		For Combination Hinged Screw Cover, Add	*13.54*	
26 05 33 23-0038		**10" x 10", Wireway With Screw Cover** *(26 05 33 23-0002)*		
26 05 33 23-0039	LF	10" x 10", NEMA 1, Surface Mounted Wireway With Screw Cover	121.57	10.95
		For Combination Hinged Screw Cover, Add	*4.98*	
		For Concrete Or Masonry Surface, Add	*1.10*	
26 05 33 23-0040	LF	10" x 10", NEMA 3R, Surface Mounted Wireway With Screw Cover	215.08	10.95
		For Combination Hinged Screw Cover, Add	*9.66*	
		For Concrete Or Masonry Surface, Add	*1.10*	
26 05 33 23-0041	EA	10" x 10", End Plate For Surface Mounted Wireway With Screw Cover	37.09	8.64
		For Combination Hinged Screw Cover, Add	*0.99*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0042	EA	10" x 10", Coupling For Surface Mounted Wireway With Screw Cover	54.36	17.27
		For Combination Hinged Screw Cover, Add	*0.99*	
26 05 33 23-0043	EA	10" x 10", Panel Adapter For Surface Mounted Wireway With Screw Cover	144.46	34.32
		For Combination Hinged Screw Cover, Add	*3.79*	
26 05 33 23-0044	EA	10" x 10", Elbow For Surface Mounted Wireway With Screw Cover	277.90	34.32
		For Combination Hinged Screw Cover, Add	*10.46*	
26 05 33 23-0045	EA	10" x 10", Tee For Surface Mounted Wireway With Screw Cover	420.21	43.31
		For Combination Hinged Screw Cover, Add	*16.68*	
26 05 33 23-0046	EA	10" x 10", Cross For Surface Mounted Wireway With Screw Cover	599.33	48.95
		For Combination Hinged Screw Cover, Add	*25.07*	

26 05 33 23-0047 12" x 12", Wireway With Screw Cover *(26 05 33 23-0002)*

26 05 33 23-0048	LF	12" x 12", NEMA 1, Surface Mounted Wireway With Screw Cover	142.77	13.24
		For Combination Hinged Screw Cover, Add	*5.81*	
		For Concrete Or Masonry Surface, Add	*1.32*	
26 05 33 23-0049	LF	12" x 12", NEMA 3R, Surface Mounted Wireway With Screw Cover	236.74	13.24
		For Combination Hinged Screw Cover, Add	*10.51*	
		For Concrete Or Masonry Surface, Add	*1.32*	
26 05 33 23-0050	EA	12" x 12", End Plate For Surface Mounted Wireway With Screw Cover	48.71	9.21
		For Combination Hinged Screw Cover, Add	*1.51*	
26 05 33 23-0051	EA	12" x 12", Coupling For Surface Mounted Wireway With Screw Cover	67.15	18.42
		For Combination Hinged Screw Cover, Add	*1.51*	
26 05 33 23-0052	EA	12" x 12", Panel Adapter For Surface Mounted Wireway With Screw Cover	189.39	37.43
		For Combination Hinged Screw Cover, Add	*5.73*	
26 05 33 23-0053	EA	12" x 12", Elbow For Surface Mounted Wireway With Screw Cover	366.11	37.43
		For Combination Hinged Screw Cover, Add	*14.56*	
26 05 33 23-0054	EA	12" x 12", Tee For Surface Mounted Wireway With Screw Cover	472.12	46.07
		For Combination Hinged Screw Cover, Add	*19.00*	
26 05 33 23-0055	EA	12" x 12", Cross For Surface Mounted Wireway With Screw Cover	768.97	51.83
		For Combination Hinged Screw Cover, Add	*33.27*	

26 05 33 23-0056 Surface Metal Raceways *(26 05 33 23-0001)*

Note: Exposed on flat wall surface.

26 05 33 23-0057 One Piece Surface Metal Raceways *(26 05 33 23-0056)*

Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal).

26 05 33 23-0058 3/4" x 17/32" One Piece Surface Metal Raceways (Wiremold #500) *(26 05 33 23-0057)*

Note: Available in ivory.

26 05 33 23-0059	LF	3/4" x 17/32" One Piece Surface Metal Raceway (Wiremold #500)	5.10	1.72
		For Concrete Or Masonry Surface, Add	*0.17*	
26 05 33 23-0060	EA	Bushing (Wiremold #502)	5.00	2.31
26 05 33 23-0061	EA	One Or Two Hole Strap (Wiremold #504)	5.04	2.31
26 05 33 23-0062	EA	Connection Cover (Wiremold #506)	5.23	2.31
26 05 33 23-0063	EA	Flat 90 Degree Elbow (Wiremold #511)	7.97	2.77
26 05 33 23-0064	EA	Flat 45 Degree Elbow (Wiremold #512)	13.24	2.88
26 05 33 23-0065	EA	Adjustable Internal Elbow (Wiremold #517)	9.92	3.46
26 05 33 23-0066	EA	Adjustable External Elbow (Wiremold #518)	9.70	3.46

26 05 33 23-0067 3/4" x 21/32" One Piece Surface Metal Raceways (Wiremold #700) *(26 05 33 23-0057)*

Note: Available in ivory and white.

26 05 33 23-0068	LF	3/4" x 21/32" One Piece Surface Metal Raceway (Wiremold #700)	6.46	2.31
		For Concrete Or Masonry Surface, Add	*0.23*	
26 05 33 23-0069	EA	Bushing (Wiremold #702)	5.13	2.31
26 05 33 23-0070	EA	One Or Two Hole Strap (Wiremold #704)	5.29	2.31
26 05 33 23-0071	EA	Connection Cover (Wiremold #706)	5.33	2.31
26 05 33 23-0072	EA	Flat 90 Degree Elbow (Wiremold #711)	11.75	4.61
26 05 33 23-0073	EA	Flat 45 Degree Elbow (Wiremold #712)	18.51	4.61
26 05 33 23-0074	EA	Adjustable Internal Elbow (Wiremold #717)	12.68	4.61
26 05 33 23-0075	EA	Adjustable External Elbow (Wiremold #718)	12.26	4.61

26 05 33 23-0076 One Piece Surface Metal Raceways Fittings (Wiremold #500 And 700 Fittings) *(26 05 33 23-0057)*

Note: Available in ivory.

26 05 33 23-0077	EA	18" Flex Fitting, For #500 Or 700 (Wiremold #5700F)	35.15	3.46
26 05 33 23-0078	EA	Galvanized Coupling For #500 Or 700 (Wiremold #5701)	5.27	2.31
26 05 33 23-0079	EA	Supporting Clip, For #500 Or 700 (Wiremold #5703)	5.27	2.31
26 05 33 23-0080	EA	Ground Clamp (Wiremold #5709)	15.31	3.46
26 05 33 23-0081	EA	Grounding Connector (Wiremold #5709GC)	12.93	3.46
26 05 33 23-0082	EA	L Or R (Left Or Right) Twisted Internal Ell (Wiremold #5711)	14.68	4.61
26 05 33 23-0083	EA	Tee (Wiremold #5715)	16.51	5.75
26 05 33 23-0084	EA	2-1/2" x 2-3/8" x 2-1/2" Corner Box (Wiremold #5719)	28.75	4.61
26 05 33 23-0085	EA	Utility Box For #500 Or #700 (Wiremold #57242)	22.12	4.61
26 05 33 23-0086	EA	2-3/8" Diameter, Blank Cover (Wiremold #5731)	11.88	2.88
26 05 33 23-0087	EA	3" Diameter, Outlet Box (Wiremold #5733)	27.39	4.61
26 05 33 23-0088	EA	4-3/4" Square x 1-3/8" Deep, Distribution Box (Wiremold #5735)	27.28	4.61
26 05 33 23-0089	EA	4-3/8" Blank Cover (Wiremold #5736)	12.59	2.88

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0090	EA	4-3/4" Diameter, Extension Box/Open Base (Wiremold #5737)	24.78	4.61
26 05 33 23-0091	EA	5-1/2" Diameter, Extension Box/Open Base (Wiremold #5737A)	23.91	4.61
26 05 33 23-0092	EA	4-3/4" Diameter, Fixture Box/Solid Base (Wiremold #5738)	24.12	4.61
26 05 33 23-0093	EA	5-1/2" Diameter, Fixture Box/Solid Base (Wiremold #5738A)	24.12	4.61
26 05 33 23-0094	EA	5-1/2" Diameter, Fan Box/Solid Base (Wiremold #5738AF)	27.28	4.61
26 05 33 23-0095	EA	6-3/8" Diameter, Fixture Box/Solid Base (Wiremold #5739)	26.95	4.61
26 05 33 23-0096	EA	6-3/8" Diameter, Extension Box/Open Base (Wiremold #5739A)	28.76	4.61
26 05 33 23-0097	EA	Standard Switch Box For #500, Or #700 (Wiremold #57240)	32.40	7.49
26 05 33 23-0098	EA	Duplex Receptacle And Box, Ground, For #500 Or #700 (Wiremold #57243G)	51.22	14.40
26 05 33 23-0099	EA	2-13/16" x 4-5/8" x 1-3/8" Switch And Receptacle Box For Shallow Type Switches (Wiremold #5741)	24.44	7.49
26 05 33 23-0100	EA	1 Gang, 4-5/8" x 2-7/8" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744)	38.80	7.49
26 05 33 23-0101	EA	2 Gang, 4-3/4" x 4-3/4" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744-2)	44.50	7.49
26 05 33 23-0102	EA	3 Gang, 4-5/8" x 6-1/2" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744-3)	67.68	7.49
26 05 33 23-0103	EA	1 Gang, Signal Box (Wiremold #5744S)	35.16	6.34
26 05 33 23-0104	EA	2 Gang, Signal Box (Wiremold #5744S-2)	39.27	6.34
26 05 33 23-0105	EA	3 Gang, Signal Box (Wiremold #5744S-3)	63.09	6.34
26 05 33 23-0106	EA	4-5/8" x 2-7/8" x 1-3/4" Combination Switch And Receptacle Box With 1/2" KO's (Wiremold #5745)	25.53	7.49
26 05 33 23-0107	EA	4-5/8" x 2-7/8" x 1-3/8", 1 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747)	22.42	7.49
26 05 33 23-0108	EA	4-3/4" x 4-3/4" x 1-3/8", 2 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747-2)	31.63	7.49
26 05 33 23-0109	EA	4-5/8" x 6-1/2" x 2-3/4", 3 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747-3)	61.75	7.49
26 05 33 23-0110	EA	4-5/8" x 2-7/8" x 1-3/4", 1 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748)	23.98	7.49
26 05 33 23-0111	EA	4-3/4" x 4-3/4" x 1-3/4", 2 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-2)	33.49	7.49
26 05 33 23-0112	EA	4-5/8" x 6-1/2" x 1-3/4", 3 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-3)	60.01	7.49
26 05 33 23-0113	EA	4-5/8" x 8-11/32" x 1-3/4", 4 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-4)	89.19	7.49
26 05 33 23-0114	EA	4-5/8" x 10-5/32" x 1-3/4", 5 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-5)	147.21	7.49
26 05 33 23-0115	EA	4-5/8" x 11-31/32" x 1-3/4", 6 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-6)	149.80	7.49
26 05 33 23-0116	EA	4-3/8" x 2-7/8" x 15/16" Shallow Switch And Receptacle Box For Shallow Duplex Devices (Wiremold #5748-S)	23.68	7.49
26 05 33 23-0117	EA	4-5/8" x 2-7/8" x 15/16", 1 Gang, Flush-Type Extension Adapter (Wiremold #5751)	23.02	7.49
26 05 33 23-0118	EA	4-3/4" x 4-3/4" x 15/16", 2 Gang, Flush-Type Extension Adapter (Wiremold #5751-2)	30.70	7.49
26 05 33 23-0119	EA	4-5/8" x 6-1/2" x 15/16", 3 Gang, Flush-Type Extension Adapter (Wiremold #5751-3)	60.60	7.49
26 05 33 23-0120	EA	4-5/8" x 2-7/8" x 1-3/4", 1 Gang, Deep Flush-Type Extension Adapter (Wiremold #5751A)	24.90	7.49
26 05 33 23-0121	EA	4-11/16" x 4-11/16" x 1-3/8", 2 Gang, Alarm Device Box (Wiremold #5752)	32.31	7.49
26 05 33 23-0122	EA	4-11/16" x 4-11/16" x 2-3/4", 2 Gang, Extra Deep Alarm Device Box (Wiremold #5753)	46.65	7.49
26 05 33 23-0123	EA	Blank Extension Box (Wiremold #5760)	16.19	2.88
26 05 33 23-0124	EA	1/2" Special Nipple (Wiremold #5780)	15.42	2.88
26 05 33 23-0125	EA	1/2" Box Connector (Wiremold #5781)	10.23	2.88
26 05 33 23-0126	EA	3/4" Box Connector (Wiremold #5781A)	19.36	3.46
26 05 33 23-0127	EA	1/2" Conduit Connector (Wiremold #5782)	10.32	2.88
26 05 33 23-0128	EA	3/4" Conduit Connector (Wiremold #5782A)	24.29	3.46
26 05 33 23-0129	EA	1/2" Elbow Conduit Connector (Wiremold #5784)	21.74	3.46
26 05 33 23-0130	EA	Combination Connector, To Any 3-1/4" Or 4" Outlet Box (Wiremold #5785)	12.04	3.46
26 05 33 23-0131	EA	Offset Connector (Wiremold #5786)	20.18	3.46
26 05 33 23-0132	EA	Armor Cable Connector (Wiremold #5790B)	10.48	2.88
26 05 33 23-0133	EA	1/2" Electrical Metallic Tubing (EMT) Connector, For #500 Or 700 (Wiremold #5791)	9.29	2.31

26 05 33 23-0134 1-9/16" x 11/32" One Piece Surface Metal Raceways (Wiremold #1500) *(26 05 33 23-0057)*

Note: Galvanized finish.

26 05 33 23-0135	LF	1-9/16" x 11/32" One Piece Surface Metal Raceway (Wiremold #1500-10)	9.34	2.88
		For Concrete Or Masonry Surface, Add	*0.29*	
26 05 33 23-0136	EA	Wire Clip (Wiremold #1500WC)	5.79	2.31
26 05 33 23-0137	EA	Bushing (Wiremold #1502)	6.85	2.88
26 05 33 23-0138	EA	2-Hole Strap (Wiremold #1504)	7.74	3.46
26 05 33 23-0139	EA	Flat Elbow (Wiremold #1511)	30.09	10.95
26 05 33 23-0140	EA	Internal Elbow (Wiremold #1517)	31.10	10.95
26 05 33 23-0141	EA	Adapter Fitting (Wiremold #1517B)	33.47	10.95
26 05 33 23-0142	EA	External Elbow (Wiremold #1518)	33.27	10.95
26 05 33 23-0143	EA	Utility Box (Wiremold #1528)	30.16	7.49
26 05 33 23-0144	EA	Junction Box (Wiremold #1542D)	31.11	7.49
26 05 33 23-0145	EA	Duplex Receptacle (Wiremold #1543GL)	60.96	14.40
26 05 33 23-0146	EA	Single Receptacle Box (Wiremold #1546A)	32.04	7.49
26 05 33 23-0147	EA	Duplex Receptacle Box (Wiremold #1546B)	39.26	7.49
26 05 33 23-0148	EA	Telephone Box (Wiremold #1546T)	38.51	7.49
26 05 33 23-0149	EA	Combination Connection (Wiremold #1585)	18.62	3.46

26 05 33 23-0150 2-7/32" x 28/32" One Piece Surface Metal Raceways (Wiremold #2600) *(26 05 33 23-0057)*

Note: Galvanized finish.

26 05 33 23-0151	LF	2-7/32" x 28/32" One Piece Surface Metal Raceway (Wiremold #2600-10)	15.95	5.18
		For Concrete Or Masonry Surface, Add	*0.52*	
26 05 33 23-0152	EA	Wire Clip (Wiremold #2600WC)	5.95	2.31
26 05 33 23-0153	EA	Fiber Bushing (Wiremold #2602)	6.70	2.31
26 05 33 23-0154	EA	2-5/8", 90 Degree Flat Elbow (Wiremold #2611)	24.73	4.03
26 05 33 23-0155	EA	5" Diameter, Junction Box (Wiremold #2642D)	37.08	5.75
26 05 33 23-0156	EA	Service Fitting (Wiremold #2686FO)	36.13	6.91

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0157			**Two Piece Surface Metal Raceways** *(26 05 33 23-0056)* Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal).		
26 05 33 23-0158			**1-9/32" x 3/4" Two Piece Surface Metal Raceways (Wiremold #2000)** *(26 05 33 23-0157)*		
26 05 33 23-0159	LF		1-9/32" x 3/4" Two Piece Surface Metal Raceway Base And Cover (Wiremold #2000BC)	8.73	2.88
			For Concrete Or Masonry Surface, Add	*0.29*	
26 05 33 23-0160	EA		Wire Clip (Wiremold #2000WC)	4.23	2.31
26 05 33 23-0161	EA		Coupling (Wiremold #2001)	11.33	2.88
26 05 33 23-0162	EA		Supporting Clip (Wiremold #2003)	5.41	1.72
26 05 33 23-0163	EA		Cover Clip (Wiremold #2006)	5.03	1.72
26 05 33 23-0164	EA		Ground Clamp (Wiremold #2009)	12.87	2.88
26 05 33 23-0165	EA		Entrance End Fitting (Wiremold #2010A2)	25.77	8.64
26 05 33 23-0166	EA		Entrance End Fitting (Wiremold #2010A3)	43.71	11.52
26 05 33 23-0167	EA		Blank End Fitting (Wiremold #2010B)	6.90	2.88
26 05 33 23-0168	EA		Flat 90 Degree Elbow (Wiremold #2011)	22.18	7.49
26 05 33 23-0169	EA		Tee (Wiremold #2015)	40.35	10.83
26 05 33 23-0170	EA		Internal Corner Coupling (Wiremold #2017TC)	14.31	5.75
26 05 33 23-0171	EA		Single Gang Device Box (Wiremold #2048)	33.46	10.25
26 05 33 23-0172	EA		2-Gang device Box (Wiremold #2048-2)	52.24	11.40
26 05 33 23-0173	EA		Flush Plate Adapter (Wiremold #2051H)	36.28	11.40
26 05 33 23-0174	EA		Side Reducing Connector (Wiremold #2089)	29.51	5.75
26 05 33 23-0175	EA		#2089E End Reducing Connector	12.23	2.88
26 05 33 23-0176			**1-7/8" x 7/8" Two Piece Surface Metal Raceways (Wiremold #2400)** *(26 05 33 23-0157)* Note: Available in gray enamel (G) or ivory (V).		
26 05 33 23-0177	LF		1-7/8" x 7/8" Two Piece Surface Metal Raceway Base (Wiremold #2400B)	7.54	2.88
			For Concrete Or Masonry Surface, Add	*0.29*	
26 05 33 23-0178	LF		1-7/8" x 7/8" Divided Two Piece Surface Metal Raceway Base (Wiremold #2400BD)	8.26	2.88
			For Concrete Or Masonry Surface, Add	*0.29*	
26 05 33 23-0179	LF		Raceway Cover (Wiremold #2400C)	2.98	0.57
26 05 33 23-0180	EA		Wire Clip (Wiremold #2400WC)	4.24	2.31
26 05 33 23-0181	EA		Coupling (Wiremold #2401)	11.26	2.88
26 05 33 23-0182	EA		Divided Raceway Coupling (Wiremold #2401D)	9.18	2.88
26 05 33 23-0183	EA		Cover Clip (Wiremold #2406)	5.10	1.72
26 05 33 23-0184	EA		Device Bracket Frame (Wiremold #2407-2CM)	37.68	8.64
26 05 33 23-0185	EA		Device Bracket Frame (Wiremold #2407-2TJ)	36.11	8.64
26 05 33 23-0186	EA		Ground Clamp (Wiremold #2409)	9.83	2.31
26 05 33 23-0187	EA		End Fitting (Wiremold #2410A)	24.89	8.64
26 05 33 23-0188	EA		Blank End (Wiremold #2410B)	6.98	2.88
26 05 33 23-0189	EA		Divided Blank End Fitting (Wiremold #2410BD)	7.07	2.88
26 05 33 23-0190	EA		Entrance End Fitting (Wiremold #2410C)	37.51	8.64
26 05 33 23-0191	EA		Divided Entrance End Fitting (Wiremold #2410D)	36.00	8.64
26 05 33 23-0192	EA		Divided Entrance End Fitting (Wiremold #2410DFO)	58.61	8.64
26 05 33 23-0193	EA		Full Cap Entrance End Fitting (Wiremold #2410FC)	45.05	8.64
26 05 33 23-0194	EA		Divided Flat 90 Degree Elbow (Wiremold #2411D)	27.85	8.64
26 05 33 23-0195	EA		Radiused Divided Flat 90 Degree Elbow (Wiremold #2411DFO)	44.23	8.64
26 05 33 23-0196	EA		Radiused Flat 90 Degree Elbow (Wiremold #2411FO)	39.67	8.52
26 05 33 23-0197	EA		Flat 90 Degree Elbow (Wiremold #2411M)	26.58	8.64
26 05 33 23-0198	EA		Radiused Divided Tee (Wiremold #2415DFO)	47.40	8.52
26 05 33 23-0199	EA		Radiused Tee (Wiremold #2415FO)	45.10	8.52
26 05 33 23-0200	EA		Tee (Wiremold #2415M)	31.38	8.52
26 05 33 23-0201	EA		Divided Internal Coupling (Wiremold #2417D)	26.28	8.52
26 05 33 23-0202	EA		Radiused Divided Internal Coupling (Wiremold #2417DFO)	40.94	8.52
26 05 33 23-0203	EA		Radiused Internal Coupling (Wiremold #2417FO)	39.74	8.52
26 05 33 23-0204	EA		Internal Coupling (Wiremold #2417M)	25.48	8.52
26 05 33 23-0205	EA		Radiused Divided External Coupling (Wiremold #2418DFO)	44.45	8.52
26 05 33 23-0206	EA		Radiused External Coupling (Wiremold #2418FO)	43.74	8.52
26 05 33 23-0207	EA		External Coupling (Wiremold #2418M)	30.86	8.52
26 05 33 23-0208	EA		1 Gang, Extra Deep Switch And Receptacle (Wiremold #2444)	40.41	7.49
26 05 33 23-0209	EA		2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #2444-2)	44.82	7.49
26 05 33 23-0210	EA		Over Raceway, Extra Deep Switch And Receptacle Box, 2 Gang (Wiremold #2444-2LS)	45.04	7.49
26 05 33 23-0211	EA		Divided, 1 Gang, Extra Deep Switch And Receptacle (Wiremold #2444D)	43.18	7.49
26 05 33 23-0212	EA		Divided, 2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #2444D-2A)	60.76	7.49
26 05 33 23-0213	EA		Divided, Over Raceway, 2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #2444D-2N)	53.54	7.49
26 05 33 23-0214	EA		4-5/8" x 2-7/8" x 1-3/4", 1 Gang, Switch And Receptacle Box For Shallow Devices (Wiremold #2448)	28.44	7.49
26 05 33 23-0215	EA		4-3/4" x 4-3/4" x 1-3/4", 2 Gang, Switch And Receptacle Box For Shallow Devices (Wiremold #2448-2)	43.84	7.49
26 05 33 23-0216	EA		Device Bracket Type Adapter Plate (Wiremold #2450)	13.50	2.88
26 05 33 23-0217	EA		4-1/2" x 4-1/2" Back Feed Fitting (Wiremold #2451H)	32.10	8.64
26 05 33 23-0218	EA		Bridge Fitting For 2400/700/500 (Wiremold #2475D)	94.61	8.64
26 05 33 23-0219	EA		Side Reducing Connector (Wiremold #2489)	27.66	4.61
26 05 33 23-0220			**2-3/4" x 1-17/32" Two Piece Surface Metal Raceways (Wiremold #3000)** *(26 05 33 23-0157)* Note: Available in gray enamel (G) or ivory (V).		
26 05 33 23-0221	LF		2-3/4" x 1-17/32" Two Piece Surface Metal Raceway Base (Wiremold #3000B)	14.98	5.18
			For Concrete Or Masonry Surface, Add	*0.52*	
26 05 33 23-0222	LF		Raceway Cover (Wiremold #3000CE)	3.55	0.57
26 05 33 23-0223	EA		Wire Clips For Conductors (Wiremold #3000WC)	5.72	2.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0224	EA	Couplings (Wiremold #3001)	14.79	2.31
26 05 33 23-0225	EA	Rigid Inside Coupling (Wiremold #3001A)	14.60	2.88
26 05 33 23-0226	EA	Supporting Clip (Wiremold #3003)	10.79	2.88
26 05 33 23-0227	EA	Clip Cover (Wiremold #3006E)	6.20	2.31
26 05 33 23-0228	EA	Device Brackets (Wiremold #3007C)	16.03	4.61
26 05 33 23-0229	EA	C-Hanger (Wiremold #3008C)	15.93	3.46
26 05 33 23-0230	EA	Entrance End Fitting For Connecting To 1/2" Conduit Or Armored Connectors (Wiremold #3010AE)	37.15	10.95
26 05 33 23-0231	EA	Blank End Fittings (Wiremold #3010B)	13.60	4.61
26 05 33 23-0232	EA	Entrance End Fitting For Connecting To Rigid Or Flexible Conduit (Wiremold #3010C)	41.12	10.95
26 05 33 23-0233	EA	Flat 90 Degree Elbow (Wiremold #3011E)	61.77	14.28
26 05 33 23-0234	EA	Wall Box Connector (Wiremold #3014C)	44.14	14.40
26 05 33 23-0235	EA	Tee Fitting (Wiremold #3015E)	84.89	17.85
26 05 33 23-0236	EA	Internal Corner Coupling (Wiremold #3017TCE)	40.18	10.95
26 05 33 23-0237	EA	External Corner (Wiremold #3018AE)	49.53	10.95
26 05 33 23-0238	EA	Single Receptacle Cover With Face Diameters Of 1.38" To 1.4" (Wiremold #3027AE)	35.41	10.95
26 05 33 23-0239	EA	Utility Box (Wiremold #3028)	59.87	10.95
26 05 33 23-0240	EA	Single Receptacle Cover With Face Diameters Of 1.56" To 1.57" (Wiremold #3033JE)	19.31	2.88
26 05 33 23-0241	EA	Blank Cover (Wiremold #3036HE)	21.12	2.88
26 05 33 23-0242	EA	Switch Cover (Wiremold #3040CE)	19.26	2.88
26 05 33 23-0243	EA	Duplex Receptacle Cover (Wiremold #3043BE)	22.54	3.46
26 05 33 23-0244	EA	15 Amperes, 125 Volt Duplex Grounding Receptacle And Cover (Wiremold #3043GE)	58.60	14.98
26 05 33 23-0245	EA	2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #3044-2)	67.40	10.95
26 05 33 23-0246	EA	Duplex Receptacle Cover (Wiremold #3046BE)	19.41	3.46
26 05 33 23-0247	EA	Tap Off Fitting (Wiremold #3046H-2)	22.19	2.88
26 05 33 23-0248	EA	1-15/16" Deep x 6" Long, Circuit Breaker Housing (Wiremold #3046KD)	88.23	6.91
26 05 33 23-0249	EA	2-3/4" Deep x 7-3/8" Long, Circuit Breaker Housing (Wiremold #3046KTSQ)	216.89	6.91
26 05 33 23-0250	EA	1-13/16" Deep x 7-3/8" Long, Circuit Breaker Housing (Wiremold #3046QOU)	76.69	6.91
26 05 33 23-0251	EA	1-13/16" Deep x 7-15/16" Long x 2-13/16" Wide, Bump Up Device Plate Cover (Wiremold #3046S)	83.08	6.91
26 05 33 23-0252	EA	1-13/32" Deep x 7-15/16" Long x 2-13/16" Wide, Bump Up Device Plate Cover (Wiremold #3046U)	83.08	6.91
26 05 33 23-0253	EA	Rectangular Receptacle Cover (Wiremold #3048R)	26.22	3.46

26 05 33 23-0254 4-3/4" x 1-3/4" Two Piece Surface Metal Raceways (Wiremold #4000) *(26 05 33 23-0157)*

Note: Available in gray enamel (G) or ivory (V).

26 05 33 23-0255	LF	4-3/4" x 1-3/4" Two Piece Surface Metal Raceway Base (Wiremold #4000B-10)	18.27	5.18
		For Concrete Or Masonry Surface, Add	*0.56*	
26 05 33 23-0256	LF	Raceway Cover (Wiremold #4000C)	6.42	0.57
26 05 33 23-0257	LF	Divider (Wiremold #4000D)	3.12	0.57
26 05 33 23-0258	EA	Wire Clips For Conductors (Wiremold #4000WC)	6.99	2.88
26 05 33 23-0259	EA	Couplings (Wiremold #4001A)	18.20	3.46
26 05 33 23-0260	EA	Divider Clip (Wiremold #4001D)	8.59	3.46
26 05 33 23-0261	EA	Seam Clip (Wiremold #4006)	8.74	3.46
26 05 33 23-0262	EA	Single Device Fitting (Wiremold #4007C-1R)	36.27	7.49
26 05 33 23-0263	EA	Blank End Fittings (Wiremold #4010B)	19.32	4.61
26 05 33 23-0264	EA	Entrance End Fitting (Wiremold #4010DFO)	74.18	17.73
26 05 33 23-0265	EA	Flat 90 Degree Elbow (Wiremold #4011)	68.94	14.40
26 05 33 23-0266	EA	Radiused Flat 90 Degree Elbow (Wiremold #4011FO)	81.39	14.40
26 05 33 23-0267	EA	Internal Or External 45 Degree Elbow (Wiremold #4012TX)	75.10	17.85
26 05 33 23-0268	EA	Wall Box Connector (Wiremold #4014A)	100.01	17.85
26 05 33 23-0269	EA	Tee Fitting (Wiremold #4015)	110.94	17.85
26 05 33 23-0270	EA	Divided Tee Fitting (Wiremold #4015D)	115.33	17.85
26 05 33 23-0271	EA	Radiused Full Capacity Divided Tee Fitting (Wiremold #4015DFO)	137.67	17.85
26 05 33 23-0272	EA	Radiused Tee Fitting (Wiremold #4015FO)	138.10	17.85
26 05 33 23-0273	EA	Internal Elbow (Wiremold #4017)	61.08	17.85
26 05 33 23-0274	EA	Internal Elbow (Wiremold #4017FO)	109.00	17.85
26 05 33 23-0275	EA	Inverted Internal Elbow (Wiremold #4017N)	67.67	17.85
26 05 33 23-0276	EA	Internal Corner Coupling (Wiremold #4017TCA)	57.59	17.85
26 05 33 23-0277	EA	External Elbow (Wiremold #4018)	91.02	17.85
26 05 33 23-0278	EA	Radiused External Elbow (Wiremold #4018FO)	105.58	17.85
26 05 33 23-0279	EA	Single Locking Receptacle And Two RJ11/45 Modulaular Connectors Outlet Cover (Wiremold #4046ARJ)	89.22	7.49
26 05 33 23-0280	EA	Double Duplex Receptacle Outlet Cover (Wiremold #4046B-2)	94.60	7.49
26 05 33 23-0281	EA	Duplex Receptacle And Two RJ11/45 Modular Connector Cover (Wiremold #4046DRJ)	94.60	7.49
26 05 33 23-0282	EA	Double Duplex Receptacle And Four RJ11/45 Modular Connector Cover (Wiremold #4046DRJ-2)	126.45	7.49
26 05 33 23-0283	EA	Tap-Off Fitting (Wiremold #4046H-2)	26.60	7.49
26 05 33 23-0284	EA	Combination Single Receptacle And Phone Outlet Center (Wiremold #4046JRJ)	81.15	3.46
26 05 33 23-0285	EA	Rectangular Receptacle And Two RJ11/45 Modular Connector Cover (Wiremold #4046RRJ)	96.83	7.49
26 05 33 23-0286	EA	1 Gang Device Plate (Wiremold #G4047C-1)	26.38	7.49
26 05 33 23-0287	EA	2 Gang Device Plate (Wiremold #G4047C-2)	30.77	7.49
26 05 33 23-0288	EA	Device Mounting Bracket (Wiremold #4050)	29.91	5.75
26 05 33 23-0289	EA	#4000 To #3000 Take-off Connector (Wiremold #4074A)	139.79	17.85
26 05 33 23-0290	EA	Bridge Fitting (Wiremold #4075D)	125.98	17.85
26 05 33 23-0291	EA	Bridge Fitting (Wiremold #4075DA)	125.98	17.85
26 05 33 23-0292	EA	Panel Connector (Wiremold #4086A)	101.54	33.98
26 05 33 23-0293	EA	Reducing Connector Fitting (Wiremold #4089)	62.46	17.85

26 05 33 23-0294 4-3/4" x 3-9/16" Two Piece Surface Metal Raceways (Wiremold #6000) *(26 05 33 23-0157)*

Note: Available in gray enamel (G) or ivory (V).

26 05 33 23-0295	LF	4-3/4" x 3-9/16" Two Piece Surface Metal Raceway Base (Wiremold #6000B-10)	26.71	6.34
		For Concrete Or Masonry Surface, Add	*0.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0296	LF	Raceway Cover (Wiremold #6000C)	7.68	1.72
26 05 33 23-0297	LF	Divider (Wiremold #6000DA)	8.09	1.72
26 05 33 23-0298	EA	Wire Clips For Conductors (Wiremold #6000WC)	8.11	2.88
26 05 33 23-0299	EA	Couplings (Wiremold #6001A)	22.34	5.75
26 05 33 23-0300	EA	Divider Clip (Wiremold #6001D)	10.33	2.88
26 05 33 23-0301	EA	Converter Coupling (Wiremold #6001TX)	28.64	7.49
26 05 33 23-0302	EA	Connection Cover (Wiremold #6006)	27.18	7.49
26 05 33 23-0303	EA	Single Gang Device Plate (Wiremold #6007C-1)	28.51	7.49
26 05 33 23-0304	EA	Two Gang Device Plate (Wiremold #6007C-2)	31.21	7.49
26 05 33 23-0305	EA	C-Hanger (Wiremold #6008A)	45.36	10.95
26 05 33 23-0306	EA	Blank End Fittings (Wiremold #6010B)	48.92	17.27
26 05 33 23-0307	EA	Combination Flat Elbow (Wiremold #6011TX)	91.83	17.27
26 05 33 23-0308	EA	Internal-External 45 Degree Elbow (Wiremold #6012TX)	93.40	16.59
26 05 33 23-0309	EA	Connector Fitting (Wiremold #6014A)	133.28	17.85
26 05 33 23-0310	EA	Combination Internal-External Elbow (Wiremold #6017TX)	95.13	19.58
26 05 33 23-0311	EA	Circuit Breaker Housing (Wiremold #6046KD)	165.76	19.58
26 05 33 23-0312	EA	#6000 To #6000 Take-off Connector (Wiremold #6074)	159.96	17.27
26 05 33 23-0313	EA	#6000 To #4000 Take-off Connector (Wiremold #6074A)	173.07	17.27
26 05 33 23-0314	EA	Panel Connector (Wiremold #6086)	104.85	40.08

26 05 33 23-0315 Two Piece Surface Aluminum Raceways *(26 05 33 23-0056)*

Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal).

26 05 33 23-0316 1-7/16" x 1-1/8" Two Piece Surface Aluminum Raceways (Wiremold #AL2000) *(26 05 33 23-0315)*

26 05 33 23-0317	LF	1-7/16" x 1-1/8" Two Piece Surface Aluminum Raceway Base (Wiremold #AL2000B)	11.50	2.88
		For Concrete Or Masonry Surface, Add	*0.29*	
26 05 33 23-0318	LF	Aluminum Raceway Cover (Wiremold #AL2000C)	5.71	0.57
26 05 33 23-0319	EA	Wire Clip (Wiremold #AL2000WC)	5.60	2.31
26 05 33 23-0320	EA	Coupling (Wiremold #AL2001)	12.39	2.88
26 05 33 23-0321	EA	Supporting Clip (Wiremold #AL2003)	6.05	1.72
26 05 33 23-0322	EA	Cover Clip (Wiremold #AL2006)	7.65	1.72
26 05 33 23-0323	EA	Ground Clamp (Wiremold #AL2009)	10.97	2.88
26 05 33 23-0324	EA	Entrance End Fitting (Wiremold #AL2010A)	30.65	8.64
26 05 33 23-0325	EA	Blank End Fitting (Wiremold #AL2010B)	9.91	2.88
26 05 33 23-0326	EA	Flat 90 Degree Elbow (Wiremold #AL2011)	35.46	7.49
26 05 33 23-0327	EA	Tee (Wiremold #AL2015)	48.09	10.83
26 05 33 23-0328	EA	Internal Corner Elbow (Wiremold #AL2017)	32.05	5.75
26 05 33 23-0329	EA	External Corner Elbow (Wiremold #AL2018)	31.98	5.75
26 05 33 23-0330	EA	2 To 15 Amperes, In-Line Receptacle (Wiremold #AL2043)	52.37	11.40
26 05 33 23-0331	EA	4-13/16" Round Fixture Box (Wiremold #AL2038)	120.79	10.25
26 05 33 23-0332	EA	4-1/2" x 3" x 2-1/4" D Box (Wiremold #AL2044)	53.90	10.25
26 05 33 23-0333	EA	4-5/8" x 4-7/8" x 2-1/2" D Box (Wiremold #AL2044-2)	111.30	11.40
26 05 33 23-0334	EA	Single Gang Shallow Device Box (Wiremold #AL2047)	55.80	10.25
26 05 33 23-0335	EA	2-Gang Shallow Device Box (Wiremold #AL2047-2)	98.43	11.40
26 05 33 23-0336	EA	Flush Plate Adapter (Wiremold #AL2051H)	42.39	11.40

26 05 33 23-0337 2" x 1-9/32" Two Piece Surface Aluminum Raceways (Wiremold #AL2400) *(26 05 33 23-0315)*

26 05 33 23-0338	LF	2" x 1-9/32" Two Piece Surface Aluminum Raceway Base (Wiremold #AL2400B)	12.70	2.88
		For Concrete Or Masonry Surface, Add	*0.29*	
26 05 33 23-0339	LF	Aluminum Raceway Cover (Wiremold #AL2400C)	5.77	0.57
26 05 33 23-0340	EA	Wire Clip (Wiremold #AL2400WC)	7.52	2.31
26 05 33 23-0341	EA	Coupling (Wiremold #AL2401)	14.22	2.88
26 05 33 23-0342	EA	Cover Clip (Wiremold #AL2406)	9.75	1.72
26 05 33 23-0343	EA	Ground Clamp (Wiremold #AL2409)	8.59	2.31
26 05 33 23-0344	EA	Blank End (Wiremold #AL2410B)	10.83	2.88
26 05 33 23-0345	EA	End Fitting (Wiremold #AL2410B2)	23.42	8.64
26 05 33 23-0346	EA	Flat 90 Degree Elbow (Wiremold #AL2411)	42.16	8.64
26 05 33 23-0347	EA	Tee (Wiremold #AL2415)	45.91	8.52
26 05 33 23-0348	EA	Fourway Fitting (Wiremold #AL2416)	53.81	8.52
26 05 33 23-0349	EA	Internal Coupling (Wiremold #AL2417)	42.01	8.52
26 05 33 23-0350	EA	External Coupling (Wiremold #AL2418)	45.18	8.52
26 05 33 23-0351	EA	4-1/2" x 4-1/2" Back Feed Fitting (Wiremold #AL2451H)	37.68	8.64

26 05 33 23-0352 2-7/8" x 1-7/8" Two Piece Surface Aluminum Raceways (Wiremold #AL3300) *(26 05 33 23-0315)*

26 05 33 23-0353	LF	2-7/8" x 1-7/8" Two Piece Surface Aluminum Raceway Base (Wiremold #AL3300B)	23.26	5.18
		For Concrete Or Masonry Surface, Add	*0.52*	
26 05 33 23-0354	LF	Aluminum Raceway Cover (Wiremold #AL3300CE)	7.00	0.57
26 05 33 23-0355	LF	Raceway Divider (Wiremold #AL3300D)	5.76	5.18
26 05 33 23-0356	EA	Wire Clips For Conductors (Wiremold #AL3300WC)	11.16	2.31
26 05 33 23-0357	EA	Couplings (Wiremold #AL3301)	19.97	2.31
26 05 33 23-0358	EA	Divider Coupling (Wiremold #AL3301D)	16.84	2.88
26 05 33 23-0359	EA	Ground Clamp (Wiremold #AL3309)	11.27	2.31
26 05 33 23-0360	EA	Blank End Fittings (Wiremold #AL3310B)	23.46	4.61
26 05 33 23-0361	EA	End Fitting (Wiremold #AL3310B1)	37.58	10.95

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0362	EA	Flat 90 Degree Elbow (Wiremold #AL3311) Note: Includes two (2) AL3301 couplings.	117.31	14.28
26 05 33 23-0363	EA	Tee Fitting (Wiremold #AL3315) Note: Includes three (3) AL3301 couplings.	134.33	17.85
26 05 33 23-0364	EA	Cross Fitting (Wiremold #AL3316) Note: Includes four (4) AL3301 couplings.	152.29	17.85
26 05 33 23-0365	EA	Internal Elbow (Wiremold #AL3317) Note: Includes two (2) AL3301 couplings.	110.30	10.95
26 05 33 23-0366	EA	External Elbow (Wiremold #AL3318) Note: Includes two (2) AL3301 couplings.	110.42	10.95
26 05 33 23-0367	EA	Duplex Receptacle Cover (Wiremold #AL3346D)	24.31	3.46
26 05 33 23-0368	EA	Single Receptacle Cover (Wiremold #AL3346E)	24.15	3.46
26 05 33 23-0369	EA	GFCI/Surge Receptacle Cover (Wiremold #AL3346G)	23.89	3.46
26 05 33 23-0370	EA	Single Device Cover Plate (Wiremold #AL3356R)	23.99	2.88
26 05 33 23-0371		**5" x 2" Two Piece Surface Aluminum Raceways (Wiremold #AL5200)** *(26 05 33 23-0315)*		
26 05 33 23-0372	LF	5" x 2" Two Piece Surface Aluminum Raceway Base (Wiremold #AL5200B-10)	28.01	5.18
		For Concrete Or Masonry Surface, Add	*0.56*	
26 05 33 23-0373	LF	Aluminum Raceway Cover (Wiremold #AL5200C)	11.60	0.57
26 05 33 23-0374	LF	Divider (Wiremold #AL5200D)	6.78	0.57
26 05 33 23-0375	EA	Wire Clips For Conductors (Wiremold #AL5200WC)	9.28	2.88
26 05 33 23-0376	EA	Wire Clips For Conductors (Wiremold #AL5200WC2)	7.78	2.88
26 05 33 23-0377	EA	Wire Clips For Conductors (Wiremold #AL5200WC3)	7.72	2.88
26 05 33 23-0378	EA	Couplings (Wiremold #AL5201)	18.05	3.46
26 05 33 23-0379	EA	Cover Clip (Wiremold #AL5206)	16.04	3.46
26 05 33 23-0380	EA	Ground Adapter (Wiremold #AL5209)	19.94	3.46
26 05 33 23-0381	EA	Blank End Fittings (Wiremold #AL5210B)	21.08	4.61
26 05 33 23-0382	EA	Blank End Fittings (Wiremold #AL5210B1)	22.64	4.61
26 05 33 23-0383	EA	Blank End Fittings (Wiremold #AL5210B2)	22.99	4.61
26 05 33 23-0384	EA	Blank End Fittings (Wiremold #AL5210B3)	22.28	4.61
26 05 33 23-0385	EA	Flat 90 Degree Elbow (Wiemold #AL5211) Note: Includes two (2) pairs of AL5201 couplings.	116.86	14.40
26 05 33 23-0386	EA	Wall Box Connector (Wiremold #AL5214)	91.60	17.85
26 05 33 23-0387	EA	Tee Fitting (Wiremold #AL5215) Note: Includes three (3) pairs of AL5201 couplings.	136.70	17.85
26 05 33 23-0388	EA	Four Way Fitting (Wiremold #AL5216) Note: Includes four (4) pairs of AL5201 couplings.	150.04	17.85
26 05 33 23-0389	EA	Internal Elbow (Wiremold #AL5217) Note: Includes two (2) pairs of AL5201 couplings.	121.16	17.85
26 05 33 23-0390	EA	Internal Corner Coupling (Wiremold #AL5217A)	50.90	17.85
26 05 33 23-0391	EA	Inverted Internal Elbow (Wiremold #AL5217N)	124.56	17.85
26 05 33 23-0392	EA	External Elbow (Wiremold #AL5218) Note: Includes two (2) pairs of AL5201 couplings.	122.22	17.85
26 05 33 23-0393	EA	Blank Device Cover Plate (Wiremold #AL5246B)	26.22	3.46
26 05 33 23-0394	EA	Receptacle Device Cover Plate (Wiremold #AL5246D)	31.10	3.46
26 05 33 23-0395	EA	Double Receptacle Device Cover Plate (Wiremold #AL5246DD)	36.94	3.46
26 05 33 23-0396	EA	Device Cover Plate (Wiremold #AL5246F)	34.64	3.46
26 05 33 23-0397	EA	Device Cover Plate (Wiremold #AL5246G)	31.97	3.46
26 05 33 23-0398	EA	Offset Divider (Wiremold #AL5260)	29.84	7.49
26 05 33 23-0399		**3" x 2-1/4" Two Piece Surface Aluminum Raceways (Wiremold #ALA3800)** *(26 05 33 23-0315)*		
26 05 33 23-0400	LF	Single Channel, 3" x 2-1/4" Two Piece Surface Aluminum Raceway Base (Wiremold #ALA3800B-10)	24.91	5.18
26 05 33 23-0401	EA	Cover Clip (Wiremold #ALA3806)	11.86	3.46
26 05 33 23-0402	EA	Blank End Fittings (Wiremold #ALA3810B)	20.89	4.61
26 05 33 23-0403	EA	Entrance End Cap Fittings (Wiremold #ALA3810B1)	22.47	4.61
26 05 33 23-0404	EA	Flat 90 Degree Elbow (Wiremold #ALA3811) Note: Includes two (2) ALA01 couplings.	115.67	14.40
26 05 33 23-0405	EA	Flat Tee Fitting (Wiremold #ALA3815) Note: Includes three (3) ALA01 couplings.	119.17	17.85
26 05 33 23-0406	EA	Internal Elbow (Wiremold #ALA3817) Note: Includes two (2) ALA01 couplings.	116.17	17.85
26 05 33 23-0407	EA	Inverted Internal Elbow (Wiremold #ALA3817N) Note: Includes two (2) ALA01 couplings.	136.92	17.85
26 05 33 23-0408	EA	External Elbow (Wiremold #ALA3818) Note: Includes two (2) ALA01 couplings.	117.71	17.85
26 05 33 23-0409		**6" x 2-1/4" Two Piece Surface Aluminum Raceways (Wiremold #ALA4800)** *(26 05 33 23-0315)*		
26 05 33 23-0410	LF	Two Channel, 6" x 2-1/4" Two Piece Surface Aluminum Raceway Base (Wiremold #ALA4800B-10)	41.33	5.18
26 05 33 23-0411	EA	Cover Clip (Wiremold #ALA4806)	17.63	3.46
26 05 33 23-0412	EA	Blank End Fittings (Wiremold #ALA4810B)	23.07	4.61
26 05 33 23-0413	EA	Entrance End Cap Fittings (Wiremold #ALA4810B2)	25.81	4.61
26 05 33 23-0414	EA	Flat 90 Degree Elbow (Wiremold #ALA4811) Note: Includes four (4) ALA01 couplings.	154.04	14.40
26 05 33 23-0415	EA	Flat Tee Fitting (Wiremold #ALA4815) Note: Includes six (6) ALA01 couplings.	211.27	17.85
26 05 33 23-0416	EA	Internal Elbow (Wiremold #ALA4817) Note: Includes four (4) ALA01 couplings.	141.26	17.85

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0417	EA	Inverted Internal Elbow (Wiremold #ALA4817N) Note: Includes four (4) ALA01 couplings.	167.06	17.85
26 05 33 23-0418	EA	External Elbow (Wiremold #ALA4818) Note: Includes four (4) ALA01 couplings.	148.52	17.85
26 05 33 23-0419		**Two Piece Surface Aluminum Raceways Fittings (Wiremold #ALA3800 And #ALA4800)** *(26 05 33 23-0315)* See CSI section 26 27 26 00-0010 for receptacles.		
26 05 33 23-0420	LF	3" Wide Aluminum Raceway Cover (Wiremold #ALAC-5) Note: For use with ALA3800 single channel raceway and ALA4800 dual channel raceway.	8.93	0.57
26 05 33 23-0421	EA	Wire Clips (Wiremold #ALAWC)	7.89	2.88
26 05 33 23-0422	EA	Slide Couplings (Wiremold #ALA01)	19.55	3.46
26 05 33 23-0423	EA	Grounding Adapter (Wiremold #ALA09)	16.51	3.46
26 05 33 23-0424	EA	Bend Radius Control Insert For Flat Elbow (Wiremold #ALA11RI)	44.84	14.40
26 05 33 23-0425	EA	Internal Corner Coupling (Wiremold #ALA17A)	53.33	17.85
26 05 33 23-0426	EA	Bend Radius Control Insert For Internal And External Elbow (Wiremold #ALA17/18RI)	50.29	14.40
26 05 33 23-0427	EA	Blank Cover Plate (Wiremold #ALA-BL)	21.58	3.46
26 05 33 23-0428	EA	Duplex Receptacle Cover Plate (Wiremold #ALA-DR)	23.07	3.46
26 05 33 23-0429	EA	Single Receptacle Cover Plate, 1.40" Diameter Opening (Wiremold #ALA-E)	24.05	3.46
26 05 33 23-0430	EA	Single Receptacle Cover Plate, 1.59" Diameter Opening (Wiremold #ALA-F)	23.13	3.46
26 05 33 23-0431	EA	GFCI/Surge/Decorator Cover Plate (Wiremold #ALA-G)	23.27	3.46
26 05 33 23-0432	EA	Single Receptacle Cover Plate, 2.13" Diameter Opening (Wiremold #ALA-J)	24.07	3.46
26 05 33 23-0433	EA	Toggle Switch Cover Plate (Wiremold #ALA-N)	24.72	3.46
26 05 33 23-0434	EA	Active LPB Cover Plate (Wiremold #ALA-LPB)	31.94	3.46
26 05 33 23-0435	EA	Active MAB Cover Plate (Wiremold #ALA-MAB)	29.97	3.46
26 05 33 23-0436	EA	Ortronics Cover Plate (Wiremold #ALA-MABRT)	34.68	3.46
26 05 33 23-0437	EA	1-3/4" x 2-3/4" Cover Plate (Wiremold #ALA-SG)	22.10	3.46
26 05 33 23-0438	EA	Active 2A Cover Plate (Wiremold #ALA-2A)	33.47	3.46
26 05 33 23-0439	EA	Ortronics Communications Cover Plate (Wiremold #ALA-ABRT)	30.55	3.46
26 05 33 23-0440	EA	3/4" Grommet/Mousehole Cover Plate (Wiremold #ALA-Z)	24.66	3.46
26 05 33 23-0441	EA	Ortronics Low Profile Cover Plate (Wiremold #ALA-LPB3S2)	30.84	3.46
26 05 33 23-0442		**Surface Non-Metallic Raceways** *(26 05 33 23-0001)* Note: Exposed on flat wall surface.		
26 05 33 23-0443		**One Piece Surface Non-Metallic Raceways** *(26 05 33 23-0442)* Note: Exposed on flat wall surface. (Wiremold or approved equal).		
26 05 33 23-0444		**7/8" x 7/16" One Piece Surface Non-Metallic Raceways (Wiremold #400)** *(26 05 33 23-0443)*		
26 05 33 23-0445	LF	7/8" x 7/16" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #400BAC)	6.52	2.31
		For Concrete Or Masonry Surface, Add	*0.23*	
26 05 33 23-0446	EA	Wire Clip (Wiremold #400WC)	5.01	2.31
26 05 33 23-0447	EA	Cover Clip (Wiremold #406)	5.27	2.31
26 05 33 23-0448	EA	Blank End Clip (Wiremold #410B)	10.15	4.61
26 05 33 23-0449	EA	Flat 90 Degree Elbow (Wiremold #411)	11.74	4.61
26 05 33 23-0450	EA	Tee (Wiremold #415)	14.78	5.75
26 05 33 23-0451	EA	Internal Elbow (Wiremold #417)	11.54	4.61
26 05 33 23-0452	EA	External Elbow (Wiremold #418)	11.54	4.61
26 05 33 23-0453		**1-5/16" x 7/16" One Piece Surface Non-Metallic Raceways (Wiremold #800)** *(26 05 33 23-0443)*		
26 05 33 23-0454	LF	1-5/16" x 7/16" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #800BAC)	7.51	2.31
		For Concrete Or Masonry Surface, Add	*0.23*	
26 05 33 23-0455	EA	Wire Clip (Wiremold #800WC)	5.09	2.31
26 05 33 23-0456	EA	Cover Clip (Wiremold #806)	5.20	2.31
26 05 33 23-0457	EA	Entrance End Fitting (Wiremold #810A2)	15.66	4.61
26 05 33 23-0458	EA	Blank End Fitting (Wiremold #810B)	10.25	4.61
26 05 33 23-0459	EA	Flat 90 Degree Elbow (Wiremold #811)	11.82	4.61
26 05 33 23-0460	EA	Tee (Wiremold #815)	14.85	5.75
26 05 33 23-0461	EA	Internal Elbow (Wiremold #817)	11.59	4.61
26 05 33 23-0462	EA	External Elbow (Wiremold #818)	11.59	4.61
26 05 33 23-0463	EA	End Reducer, #800 To #400 (Wiremold #889A)	13.06	4.61
26 05 33 23-0464		**2-1/4" x 11/16" One Piece Surface Non-Metallic Raceways (Wiremold #2300)** *(26 05 33 23-0443)*		
26 05 33 23-0465	LF	2-1/4" x 11/16" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2300BAC)	8.66	2.31
		For Concrete Or Masonry Surface, Add	*0.23*	
26 05 33 23-0466	LF	2-1/4" x 11/16" One Piece Surface Non-Metallic Divided Raceway Base And Cover (Wiremold #2300BACD)	9.21	2.31
		For Concrete Or Masonry Surface, Add	*0.23*	
26 05 33 23-0467	EA	Wire Clip (Wiremold #2300WC)	5.34	2.31
26 05 33 23-0468	EA	Cover Clip (Wiremold #2306)	5.62	2.31
26 05 33 23-0469	EA	Entrance End Fitting (Wiremold #2310A)	17.02	4.61
26 05 33 23-0470	EA	Blank End Fitting (Wiremold #2310B)	10.80	4.61
26 05 33 23-0471	EA	Divided Entrance End Fitting (Wiremold #2310DFO)	19.15	4.61
26 05 33 23-0472	EA	Flat 90 Degree Elbow (Wiremold #2311)	12.05	4.61
26 05 33 23-0473	EA	Divided Flat 90 Degree Elbow (Wiremold #2311DFO)	12.95	4.61
26 05 33 23-0474	EA	Tee (Wiremold #2315)	14.99	5.75

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0475	EA	Internal Elbow (Wiremold #2317)	12.05	4.61
26 05 33 23-0476	EA	Divided Internal Elbow (Wiremold #2317DFO)	12.96	4.61
26 05 33 23-0477	EA	External Elbow (Wiremold #2318)	12.07	4.61
26 05 33 23-0478	EA	Divided External Elbow (Wiremold #2318DFO)	13.12	4.61
26 05 33 23-0479	EA	End Reducer, #2300 To #400 (Wiremold #2389)	13.14	4.61
26 05 33 23-0480	EA	End Reducer, #2300 To #800 (Wiremold #2389A)	13.72	4.61
26 05 33 23-0481		One Piece Surface Non-Metallic Raceway Fittings (Wiremold #400, #800 Or #2300) *(26 05 33 23-0443)*		
26 05 33 23-0482	EA	Blank Cover, 4-1/2" Diameter (Wiremold #2336)	14.62	4.03
26 05 33 23-0483	EA	Extension Box, 5-1/2" Diameter (Wiremold #2337A)	23.98	4.61
26 05 33 23-0484	EA	-A Fixture Box, 5-1/2" Diameter (Wiremold #233)	24.11	4.61
26 05 33 23-0485	EA	Extra Deep Device Box, 1 Gang, 2-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2344)	21.76	4.61
26 05 33 23-0486	EA	Extra Deep Device Box, 2 Gang, 2-3/4" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2344-2)	25.21	4.61
26 05 33 23-0487	EA	Extra Deep Divided Device Box, 1 Gang, 2-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2344D)	23.71	4.61
26 05 33 23-0488	EA	Deep Divided Device Box, 2 Gang, 2-1/4" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2344SD-2A)	25.75	4.61
26 05 33 23-0489	EA	1-Gang Standard Device Box, 1-3/8" Deep x 4-3/4" Long x 3" Wide (Wiremold #2347)	21.73	7.49
26 05 33 23-0490	EA	2-Gang Standard Device Box, 1-3/8" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2347-2)	24.77	7.49
26 05 33 23-0491	EA	1-Gang Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348)	22.62	7.49
26 05 33 23-0492	EA	2-Gang Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2348-2)	27.21	7.49
26 05 33 23-0493	EA	3-Gang Deep Device Box, 1-3/4" Deep x 5" Long x 7" Wide (Wiremold #2348-3)	32.53	7.49
26 05 33 23-0494	EA	1-Gang Deep Device Box With Magnetic Backing, 1-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348AMP)	30.84	7.49
26 05 33 23-0495	EA	1-Gang Divided Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348D)	27.93	7.49
26 05 33 23-0496	EA	Shallow Device And Extension Box, 7/8" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348S/51)	21.27	7.49
26 05 33 23-0497		3/4" x 3/8" One Piece Surface Non-Metallic Raceways (Wiremold #2700) *(26 05 33 23-0443)*		
26 05 33 23-0498	LF	3/4" x 3/8" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2700)	6.11	2.31
		For Concrete Or Masonry Surface, Add	*0.23*	
26 05 33 23-0499	EA	3/4" Wire Clip (Wiremold #2700WC)	2.63	1.15
26 05 33 23-0500	EA	Cover Clip (Wiremold #2706)	3.90	1.15
26 05 33 23-0501	EA	Blank End (Wiremold #2710B)	6.19	2.31
26 05 33 23-0502	EA	Flat 90 Degree Elbow (Wiremold #2711)	7.37	2.88
26 05 33 23-0503	EA	Tee (Wiremold #2715)	12.00	5.18
26 05 33 23-0504	EA	Internal Elbow (Wiremold #2717)	8.53	3.46
26 05 33 23-0505	EA	External Elbow (Wiremold #2718)	8.51	3.46
26 05 33 23-0506	EA	Drop Ceiling Connector (Wiremold #2786)	10.05	4.03
26 05 33 23-0507		1" x 1/2" One Piece Surface Non-Metallic Raceways (Wiremold #2800) *(26 05 33 23-0443)*		
26 05 33 23-0508	LF	1" x 1/2" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2800)	7.92	2.88
		For Concrete Or Masonry Surface, Add	*0.29*	
26 05 33 23-0509	EA	1" Wire Clip (Wiremold #2800WC)	3.93	1.72
26 05 33 23-0510	EA	Cover Clip (Wiremold #2806)	5.22	1.72
26 05 33 23-0511	EA	Blank End (Wiremold #2810B)	7.51	2.88
26 05 33 23-0512	EA	Flat 90 Degree Elbow (Wiremold #2811)	9.90	4.03
26 05 33 23-0513	EA	Radiused Flat 90 Degree Elbow (Wiremold #2811FO)	10.53	4.03
26 05 33 23-0514	EA	Tee (Wiremold #2815)	14.51	6.34
26 05 33 23-0515	EA	Internal Elbow (Wiremold #2817)	11.02	4.61
26 05 33 23-0516	EA	External Elbow (Wiremold #2818)	11.05	4.61
26 05 33 23-0517	EA	Radiused Tee (Wiremold #2815FO)	15.36	6.34
26 05 33 23-0518	EA	Radiused Internal Elbow (Wiremold #2817FO)	11.79	4.61
26 05 33 23-0519	EA	Radiused External Elbow (Wiremold #2818FO)	11.68	4.61
26 05 33 23-0520	EA	Drop Ceiling Connector (Wiremold #2886)	12.44	5.18
26 05 33 23-0521	EA	Reducer, #2800 To #2700 (Wiremold #2889)	11.20	4.61
26 05 33 23-0522		1-1/2" x 3/4" One Piece Surface Non-Metallic Raceways (Wiremold #2900) *(26 05 33 23-0443)*		
26 05 33 23-0523	EA	Radiused Flat 90 Degree Elbow (Wiremold #2911FO)	12.12	4.61
26 05 33 23-0524	LF	1-1/2" x 3/4" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2900)	9.64	3.46
		For Concrete Or Masonry Surface, Add	*0.35*	
26 05 33 23-0525	EA	1-1/2" Wire Clip (Wiremold #2900WC)	5.19	2.31
26 05 33 23-0526	EA	Cover Clip (Wiremold #2906)	6.50	2.31
26 05 33 23-0527	EA	Blank End (Wiremold #2910B)	8.80	3.46
26 05 33 23-0528	EA	Flat 90 Degree Elbow (Wiremold #2911)	11.12	4.61
26 05 33 23-0529	EA	Tee (Wiremold #2915)	15.73	6.91
26 05 33 23-0530	EA	Radiused Tee (Wiremold #2915FO)	16.75	6.91
26 05 33 23-0531	EA	Internal Elbow (Wiremold #2917)	12.28	5.18
26 05 33 23-0532	EA	Radiused Internal Elbow (Wiremold #2917FO)	13.32	5.18
26 05 33 23-0533	EA	Radiused External Elbow (Wiremold #2918FO)	13.61	5.18
26 05 33 23-0534	EA	External Elbow (Wiremold #2918)	12.26	5.18
26 05 33 23-0535	EA	Drop Ceiling Connector (Wiremold #2986)	12.44	5.18
26 05 33 23-0536	EA	Reducer, #2900 To #2800 (Wiremold #2989)	13.82	5.75
26 05 33 23-0537	EA	Reducer, #2900 To #2700 (Wiremold #2989A)	13.48	5.75
26 05 33 23-0538		Two Piece Surface Non-Metallic Raceways *(26 05 33 23-0442)*		
		Note: Exposed on flat wall surface. (Wiremold or approved equal).		

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0539		**5" x 1" Two Piece Surface Non-Metallic Raceways (Wiremold #500)** *(26 05 33 23-0538)*		
26 05 33 23-0540	LF	5" x 1" Two Piece Surface Non-Metallic Raceway Base (Wiremold #5000B)	14.85	5.18
		For Concrete Or Masonry Surface, Add	*0.52*	
26 05 33 23-0541	LF	Black, Gray Or White, Cover (Wiremold #5000C)	14.16	5.18
26 05 33 23-0542	LF	Oak Veneer, Cover (Wiremold #5000COA)	25.77	5.18
26 05 33 23-0543	LF	Maple Wood Veneer, Cover (Wiremold #5000CW)	21.18	5.18
26 05 33 23-0544	LF	Black, Gray Or White, Quarter Round Trim (Wiremold #5000T)	1.97	0.57
26 05 33 23-0545	LF	Oak Veneer, Quarter Round Trim (Wiremold #5000TOA)	7.80	0.57
26 05 33 23-0546	LF	Maple Wood Veneer, Quarter Round Trim (Wiremold #5000TW)	4.88	0.57
26 05 33 23-0547	EA	Base Coupling (Wiremold #5001)	13.88	5.75
26 05 33 23-0548	EA	Blank/Coax Adapter (Wiremold #5004)	7.71	2.88
26 05 33 23-0549	EA	Low Voltage Blank Plate (Wiremold #5005)	10.23	3.46
26 05 33 23-0550	EA	Cover Clip (Wiremold #5006)	14.85	5.75
26 05 33 23-0551	EA	Internal Wire Guard (Wiremold #5006A)	13.96	5.75
26 05 33 23-0552	EA	Device Bracket (Wiremold #5007C)	15.79	5.75
26 05 33 23-0553	EA	Device Plate (Wiremold #5007C-1)	28.80	11.52
26 05 33 23-0554	EA	Deep Device Plate (Wiremold #5007C-2)	29.74	11.52
26 05 33 23-0555	EA	Right Or Left End Cap (Wiremold #5010)	25.29	10.95
26 05 33 23-0556	EA	Entrance End Feed (Wiremold #5010A)	48.34	17.85
26 05 33 23-0557	EA	Internal Base Elbow (Wiremold #5017B)	33.97	14.40
26 05 33 23-0558	EA	Internal Cover Elbow (Wiremold #5017C)	30.36	11.52
26 05 33 23-0559	EA	Internal Elbow Wire Guard (Wiremold #5017WG)	20.94	8.64
26 05 33 23-0560	EA	External Base Elbow (Wiremold #5018B)	33.90	14.40
26 05 33 23-0561	EA	External Cover Elbow (Wiremold #5018C)	30.61	11.52
26 05 33 23-0562	EA	External Elbow Wire Guard (Wiremold #5018WG)	13.71	5.75
26 05 33 23-0563		**5-1/4" x 1-11/16" Two Piece Surface Non-Metallic Raceways (Wiremold #5400)** *(26 05 33 23-0538)*		
26 05 33 23-0564	LF	5-1/4" x 1-11/16", Two Compartment, Two Piece Surface Non-Metallic Raceway Base (Wiremold #5400TB)	16.18	5.18
		For Concrete Or Masonry Surface, Add	*0.52*	
26 05 33 23-0565	LF	Full Width Cover (Wiremold #5400C)	5.41	0.57
26 05 33 23-0566	LF	Twin Snap Cover (Wiremold #5400TC)	3.51	0.57
26 05 33 23-0567	EA	Twin Snap Cover Wire Clips (Wiremold #5400TWC)	6.37	2.88
26 05 33 23-0568	EA	Cover Clip (Wiremold #5406A)	10.52	3.46
26 05 33 23-0569	EA	Twin Cover Clip (Wiremold #5406T)	8.96	3.46
26 05 33 23-0570	EA	Base Seam Clip (Wiremold #5406TB)	8.07	3.46
26 05 33 23-0571	EA	L Or R (Left Or Right) Transition Fitting (Wiremold #5408)	59.66	17.85
26 05 33 23-0572	EA	End Cap (Wiremold #5410)	29.59	10.95
26 05 33 23-0573	EA	Radiused Divided Entrance Cap Fitting (Wiremold #5410DFO)	57.37	17.85
26 05 33 23-0574	EA	Radiused Flat 90 Degree Elbow (Wiremold #5411FO)	52.03	14.40
26 05 33 23-0575	EA	Tee Fitting (Wiremold #5415)	60.21	17.85
26 05 33 23-0576	EA	Radiused Tee Fitting (Wiremold #5415FO)	62.91	17.85
26 05 33 23-0577	EA	Radiused Internal Elbow (Wiremold #5417FO)	50.32	17.85
26 05 33 23-0578	EA	External Elbow (Wiremold #5418)	50.99	17.85
26 05 33 23-0579	EA	Radiused External Elbow (Wiremold #5418FO)	51.62	17.85
26 05 33 23-0580	EA	5-5/32" x 6" Device Bracket (Wiremold #5450)	23.88	5.75
26 05 33 23-0581	EA	7-19/32" x 7-1/2" Device Bracket (Wiremold #5450A3)	31.24	5.75
26 05 33 23-0582	EA	2-1/2" x 4-7/8" Twin Snap Device Bracket (Wiremold #5450T)	18.45	5.75
26 05 33 23-0583	EA	Transition Fitting (Wiremold #5474)	52.89	17.85
26 05 33 23-0584		**6-11/16" x 1-11/16" Two Piece Surface Non-Metallic Raceways (Wiremold #5500)** *(26 05 33 23-0538)*		
26 05 33 23-0585	LF	6-11/16" x 1-11/16", Three Compartment Divided, Two Piece Surface Non-Metallic Raceway Base (Wiremold #5500BD3)	20.03	5.18
		For Concrete Or Masonry Surface, Add	*0.52*	
26 05 33 23-0586	LF	Cover (Wiremold #5500C)	7.08	0.57
26 05 33 23-0587	EA	Wire Clips (Wiremold #5500WC)	7.35	2.88
26 05 33 23-0588	EA	Cover Clip (Wiremold #5506)	11.76	3.46
26 05 33 23-0589	EA	Base Seam Clip Fitting (Wiremold #5506B)	8.49	3.46
26 05 33 23-0590	EA	Modular Furniture Adapter (Wiremold #5507AD)	11.00	3.46
26 05 33 23-0591	EA	Blank Faceplate (Wiremold #5507B)	11.04	3.46
26 05 33 23-0592	EA	Duplex Receptacle Faceplate (Wiremold #5507D)	11.10	3.46
26 05 33 23-0593	EA	Dual RJ Connector Faceplate (Wiremold #5507FRJ)	11.10	3.46
26 05 33 23-0594	EA	Rectangular Receptacle Faceplate (Wiremold #5507R)	10.99	3.46
26 05 33 23-0595	EA	Dual RJ Connector Faceplate (Wiremold #5507RJ)	11.01	3.46
26 05 33 23-0596	EA	Rectangular Spacer Fitting (Wiremold #5507S)	10.93	3.46
26 05 33 23-0597	EA	Switch Faceplate (Wiremold #5507SW)	10.96	3.46
26 05 33 23-0598	EA	Twistlock Faceplate (Wiremold #5507T1)	11.04	3.46
26 05 33 23-0599	EA	Single Receptacle Faceplate (Wiremold #5507T2)	10.82	3.46
26 05 33 23-0600	EA	6-5/8" x 6" Device Bracket (Wiremold #5550)	28.39	5.75
26 05 33 23-0601	EA	9-5/8" x 7-1/2" Device Bracket (Wiremold #5550A4)	37.88	5.75
26 05 33 23-0602	EA	End Cap (Wiremold #5510)	31.97	10.95
26 05 33 23-0603	EA	Entrance End Fitting (Wiremold #5510D)	64.98	17.85
26 05 33 23-0604	EA	Radiused Flat 90 Degree Elbow (Wiremold #5511FO)	59.05	14.40
26 05 33 23-0605	EA	Backfeed Connector (Wiremold #5514A)	47.84	14.40
26 05 33 23-0606	EA	Tee Fitting (Wiremold #5515)	68.17	17.85
26 05 33 23-0607	EA	Radiused Internal Elbow (Wiremold #5517FO)	55.18	17.85

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0608	EA	External Elbow (Wiremold #5518)	56.48	17.85
26 05 33 23-0609	EA	Radiused External Elbow (Wiremold #5518FO)	59.22	17.85
26 05 33 23-0610	EA	Transition Fitting (Wiremold #5574)	53.88	17.85
26 05 33 23-0611	EA	Transition Fitting (Wiremold #5574A)	71.62	17.85
26 05 33 23-0612		Surface Cable Protection System *(26 05 33 23)*		
26 05 33 23-0613	EA	35-1/2" Long x 18-9/16" Wide x 3" High, Three Channel, Heavy-Duty Polyurethene, Surface Cable Protector (Yellow Jacket® CP-YJHD-3) Note: Modular interlocking design with hinged lid.	644.74	
26 05 33 23-0614	EA	35-3/4" Long x 19-3/4" Wide x 1-7/8" High, Five Channel, Heavy-Duty Polyurethene, Surface Cable Protector (Yellow Jacket® CP-YJHD-5) Note: Modular interlocking design with hinged lid.	486.07	

26 05 36 Cable Trays for Electrical Systems *(26 05)*

26 05 36 00-0001		Cable Trays *(26 05 36)* Note: Excludes supporting hangers.		
26 05 36 00-0002		Ladder Bottom Galvanized Steel Cable Tray *(26 05 36 00-0001)*		
26 05 36 00-0003		4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray *(26 05 36 00-0002)*		
26 05 36 00-0004		4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray *(26 05 36 00-0003)*		
26 05 36 00-0005	LF	6" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	43.52	12.11
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.34*	
26 05 36 00-0006	LF	9" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	47.03	12.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.62*	
26 05 36 00-0007	LF	12" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	51.43	13.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.97*	
26 05 36 00-0008	LF	18" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	57.31	14.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-4.50*	
26 05 36 00-0009	LF	24" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	63.00	15.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-5.02*	
26 05 36 00-0010	LF	30" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	76.85	17.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-6.21*	
26 05 36 00-0011	LF	36" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	86.20	20.29
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-6.93*	
26 05 36 00-0012		6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray *(26 05 36 00-0003)*		
26 05 36 00-0013	LF	6" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	41.00	11.86
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.11*	
26 05 36 00-0014	LF	9" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	44.39	12.61
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.39*	
26 05 36 00-0015	LF	12" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	47.35	13.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.59*	
26 05 36 00-0016	LF	18" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	51.96	14.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.99*	
26 05 36 00-0017	LF	24" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	56.08	15.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-4.36*	
26 05 36 00-0018	LF	30" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	65.95	17.27
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-5.16*	
26 05 36 00-0019	LF	36" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	72.05	18.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-5.63*	
26 05 36 00-0020		9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray *(26 05 36 00-0003)*		
26 05 36 00-0021	LF	6" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	39.49	11.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.98*	
26 05 36 00-0022	LF	9" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	40.66	12.11
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.06*	
26 05 36 00-0023	LF	12" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	44.84	12.86
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.41*	
26 05 36 00-0024	LF	18" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	49.16	13.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.79*	
26 05 36 00-0025	LF	24" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	53.34	13.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-4.18*	
26 05 36 00-0026	LF	30" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	58.15	15.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-4.56*	
26 05 36 00-0027	LF	36" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	62.47	16.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-4.88*	
26 05 36 00-0028		12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray *(26 05 36 00-0003)*		
26 05 36 00-0029	LF	6" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	38.32	11.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.90*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0030		LF	9" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	39.12	11.47
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.96*	
26 05 36 00-0031		LF	12" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	41.44	12.11
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.14*	
26 05 36 00-0032		LF	18" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	43.90	12.74
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.33*	
26 05 36 00-0033		LF	24" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	45.77	12.74
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.52*	
26 05 36 00-0034		LF	30" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	50.61	13.74
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.92*	
26 05 36 00-0035		LF	36" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	53.31	14.37
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-4.13*	

26 05 36 00-0036 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray *(26 05 36 00-0003)*

26 05 36 00-0037		LF	6" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	37.81	10.96
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.86*	
26 05 36 00-0038		LF	9" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	38.46	11.22
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.91*	
26 05 36 00-0039		LF	12" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	40.77	11.86
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.09*	
26 05 36 00-0040		LF	18" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	42.81	12.36
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.25*	
26 05 36 00-0041		LF	24" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	43.54	12.48
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.31*	
26 05 36 00-0042		LF	30" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	46.24	13.36
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.51*	
26 05 36 00-0043		LF	36" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	48.24	14.12
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.65*	

26 05 36 00-0044 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings *(26 05 36 00-0002)*

26 05 36 00-0045 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0046		EA	6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	336.81	126.45
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.15*	
26 05 36 00-0047		EA	9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	376.18	143.97
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.62*	
26 05 36 00-0048		EA	12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	413.44	159.22
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.08*	
26 05 36 00-0049		EA	18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	517.44	195.15
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.48*	
26 05 36 00-0050		EA	24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	589.64	224.03
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.29*	
26 05 36 00-0051		EA	30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	704.50	252.14
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.44*	
26 05 36 00-0052		EA	36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	812.62	288.19
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.25*	

26 05 36 00-0053 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0054		EA	6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	479.44	131.49
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.99*	
26 05 36 00-0055		EA	9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	520.21	151.15
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.42*	
26 05 36 00-0056		EA	12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	558.43	168.05
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.84*	
26 05 36 00-0057		EA	18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	648.17	208.76
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.42*	
26 05 36 00-0058		EA	24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	725.87	242.17
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.41*	
26 05 36 00-0059		EA	30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	808.44	274.82
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.94*	
26 05 36 00-0060		EA	36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	947.01	318.32
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.17*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0061		36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*		
26 05 36 00-0062	EA	6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	517.34	137.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.28*	
26 05 36 00-0063	EA	9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	569.37	159.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.68*	
26 05 36 00-0064	EA	12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	615.09	178.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.67*	
26 05 36 00-0065	EA	18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	737.78	224.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.11*	
26 05 36 00-0066	EA	24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	838.74	262.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.96*	
26 05 36 00-0067	EA	30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	984.75	302.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.26*	
26 05 36 00-0068	EA	36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,116.94	355.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-82.07*	
26 05 36 00-0069		12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*		
26 05 36 00-0070	EA	6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	250.79	91.65
		For 60 Degree Bend, Deduct	*-47.64*	
		For 30 Degree Bend, Deduct	*-84.49*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.44*	
26 05 36 00-0071	EA	9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	285.23	109.93
		For 60 Degree Bend, Deduct	*-52.01*	
		For 30 Degree Bend, Deduct	*-92.78*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.37*	
26 05 36 00-0072	EA	12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	316.23	126.07
		For 60 Degree Bend, Deduct	*-56.03*	
		For 30 Degree Bend, Deduct	*-100.38*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.12*	
26 05 36 00-0073	EA	18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	377.62	159.35
		For 60 Degree Bend, Deduct	*-63.55*	
		For 30 Degree Bend, Deduct	*-114.76*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.49*	
26 05 36 00-0074	EA	24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	469.39	195.15
		For 60 Degree Bend, Deduct	*-80.09*	
		For 30 Degree Bend, Deduct	*-144.33*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.68*	
26 05 36 00-0075	EA	30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	557.60	224.03
		For 60 Degree Bend, Deduct	*-98.12*	
		For 30 Degree Bend, Deduct	*-175.98*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.09*	
26 05 36 00-0076	EA	36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	630.53	262.98
		For 60 Degree Bend, Deduct	*-107.26*	
		For 30 Degree Bend, Deduct	*-193.37*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.14*	
26 05 36 00-0077		24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*		
26 05 36 00-0078	EA	6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	281.62	94.55
		For 60 Degree Bend, Deduct	*-56.71*	
		For 30 Degree Bend, Deduct	*-99.77*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.29*	
26 05 36 00-0079	EA	9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	322.10	113.96
		For 60 Degree Bend, Deduct	*-62.60*	
		For 30 Degree Bend, Deduct	*-110.67*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.71*	
26 05 36 00-0080	EA	12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	367.48	131.61
		For 60 Degree Bend, Deduct	*-70.82*	
		For 30 Degree Bend, Deduct	*-125.35*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0081	EA	18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	432.30	168.05
		For 60 Degree Bend, Deduct	*-78.22*	
		For 30 Degree Bend, Deduct	*-139.71*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.22*	
26 05 36 00-0082	EA	24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	532.05	208.76
		For 60 Degree Bend, Deduct	*-95.57*	
		For 30 Degree Bend, Deduct	*-170.87*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.81*	
26 05 36 00-0083	EA	30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	623.77	242.17
		For 60 Degree Bend, Deduct	*-113.03*	
		For 30 Degree Bend, Deduct	*-201.83*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.20*	
26 05 36 00-0084	EA	36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	732.69	288.31
		For 60 Degree Bend, Deduct	*-131.29*	
		For 30 Degree Bend, Deduct	*-234.83*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.25*	

26 05 36 00-0085 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0086	EA	6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	340.73	97.58
		For 60 Degree Bend, Deduct	*-75.05*	
		For 30 Degree Bend, Deduct	*-130.51*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.95*	
26 05 36 00-0087	EA	9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	385.66	118.50
		For 60 Degree Bend, Deduct	*-81.85*	
		For 30 Degree Bend, Deduct	*-143.00*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.69*	
26 05 36 00-0088	EA	12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	421.41	137.54
		For 60 Degree Bend, Deduct	*-86.34*	
		For 30 Degree Bend, Deduct	*-151.55*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.68*	
26 05 36 00-0089	EA	18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	504.98	178.01
		For 60 Degree Bend, Deduct	*-98.39*	
		For 30 Degree Bend, Deduct	*-173.87*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.66*	
26 05 36 00-0090	EA	24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	593.64	224.03
		For 60 Degree Bend, Deduct	*-110.01*	
		For 30 Degree Bend, Deduct	*-195.81*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.69*	
26 05 36 00-0091	EA	30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	722.62	262.98
		For 60 Degree Bend, Deduct	*-137.65*	
		For 30 Degree Bend, Deduct	*-244.02*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.35*	
26 05 36 00-0092	EA	36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	846.91	318.32
		For 60 Degree Bend, Deduct	*-157.44*	
		For 30 Degree Bend, Deduct	*-280.09*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.16*	

26 05 36 00-0093 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0094	EA	6" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	365.63	126.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.06*	
26 05 36 00-0095	EA	9" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	399.13	143.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.91*	
26 05 36 00-0096	EA	12" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	429.74	159.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.71*	
26 05 36 00-0097	EA	18" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	496.85	195.15
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.42*	
26 05 36 00-0098	EA	24" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	552.17	224.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.55*	
26 05 36 00-0099	EA	30" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	613.27	252.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.32*	
26 05 36 00-0100	EA	36" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	679.91	287.81
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0101		**24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0044)*		
26 05 36 00-0102	EA	6" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	439.04	131.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.95*	
26 05 36 00-0103	EA	9" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	477.36	151.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.13*	
26 05 36 00-0104	EA	12" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	514.31	168.05
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.42*	
26 05 36 00-0105	EA	18" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	594.54	208.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.06*	
26 05 36 00-0106	EA	24" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	662.74	242.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.10*	
26 05 36 00-0107	EA	30" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	731.58	274.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.25*	
26 05 36 00-0108	EA	36" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	838.04	318.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.27*	
26 05 36 00-0109		**36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0044)*		
26 05 36 00-0110	EA	6" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	525.77	137.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.12*	
26 05 36 00-0111	EA	9" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	572.74	159.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.01*	
26 05 36 00-0112	EA	12" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	607.79	178.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.94*	
26 05 36 00-0113	EA	18" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	709.47	224.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.28*	
26 05 36 00-0114	EA	24" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	777.96	262.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.88*	
26 05 36 00-0115	EA	30" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	890.37	302.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.82*	
26 05 36 00-0116	EA	36" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,003.54	355.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.73*	
26 05 36 00-0117		**12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0044)*		
26 05 36 00-0118	EA	6" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	652.66	242.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.09*	
26 05 36 00-0119	EA	9" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	706.04	262.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.69*	
26 05 36 00-0120	EA	12" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	740.66	274.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.16*	
26 05 36 00-0121	EA	18" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	827.74	302.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.56*	
26 05 36 00-0122	EA	24" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	939.04	335.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.91*	
26 05 36 00-0123	EA	30" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,047.14	356.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.04*	
26 05 36 00-0124	EA	36" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,185.08	403.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-84.91*	
26 05 36 00-0125		**24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0044)*		
26 05 36 00-0126	EA	6" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	828.73	262.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0127	EA	9" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	889.42	288.31
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.92*	
26 05 36 00-0128	EA	12" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	928.12	302.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.60*	
26 05 36 00-0129	EA	18" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,017.11	335.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.72*	
26 05 36 00-0130	EA	24" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,128.55	378.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-81.34*	
26 05 36 00-0131	EA	30" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,214.83	403.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-87.88*	
26 05 36 00-0132	EA	36" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,471.54	465.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-108.34*	

26 05 36 00-0133 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0134	EA	6" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,064.16	288.31
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-82.39*	
26 05 36 00-0135	EA	9" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,136.62	318.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-87.13*	
26 05 36 00-0136	EA	12" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,206.73	335.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-92.68*	
26 05 36 00-0137	EA	18" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,325.60	378.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-101.04*	
26 05 36 00-0138	EA	24" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,504.06	431.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-114.43*	
26 05 36 00-0139	EA	30" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,631.42	465.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-124.33*	
26 05 36 00-0140	EA	36" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,834.53	549.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-137.64*	

26 05 36 00-0141 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0142	EA	6" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	797.27	224.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.06*	
26 05 36 00-0143	EA	9" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	815.70	232.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.16*	
26 05 36 00-0144	EA	12" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	834.84	242.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.31*	
26 05 36 00-0145	EA	18" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	877.06	262.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.79*	
26 05 36 00-0146	EA	24" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	904.25	274.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.52*	
26 05 36 00-0147	EA	30" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	980.17	302.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.80*	
26 05 36 00-0148	EA	36" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,054.29	335.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-77.44*	

26 05 36 00-0149 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0150	EA	6" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,169.46	242.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-96.77*	
26 05 36 00-0151	EA	9" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,197.28	252.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-98.72*	
26 05 36 00-0152	EA	12" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,226.55	262.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-100.74*	
26 05 36 00-0153	EA	18" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,290.96	288.31
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-105.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0154	EA	24" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,337.10	302.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-108.50*	
26 05 36 00-0155	EA	30" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,414.94	335.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-113.50*	
26 05 36 00-0156	EA	36" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,522.66	378.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-120.75*	

26 05 36 00-0157 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0158	EA	6" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,869.77	262.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-165.06*	
26 05 36 00-0159	EA	9" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,908.11	274.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-167.91*	
26 05 36 00-0160	EA	12" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,949.05	288.31
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-170.88*	
26 05 36 00-0161	EA	18" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,017.79	318.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-175.25*	
26 05 36 00-0162	EA	24" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,065.59	335.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-178.57*	
26 05 36 00-0163	EA	30" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,191.90	378.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-187.67*	
26 05 36 00-0164	EA	36" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,299.71	431.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-193.99*	

26 05 36 00-0165 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0166	EA	6" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	812.86	302.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.07*	
26 05 36 00-0167	EA	9" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	854.06	318.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.88*	
26 05 36 00-0168	EA	12" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	913.01	335.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.31*	
26 05 36 00-0169	EA	18" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	980.21	356.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.34*	
26 05 36 00-0170	EA	24" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,103.29	403.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-76.73*	
26 05 36 00-0171	EA	30" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,236.36	431.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-87.66*	
26 05 36 00-0172	EA	36" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,352.57	465.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-96.44*	

26 05 36 00-0173 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0174	EA	6" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,158.40	335.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-87.85*	
26 05 36 00-0175	EA	9" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,210.73	356.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-91.40*	
26 05 36 00-0176	EA	12" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,266.12	378.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-95.10*	
26 05 36 00-0177	EA	18" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,348.67	403.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-101.27*	
26 05 36 00-0178	EA	24" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,497.57	465.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-110.94*	
26 05 36 00-0179	EA	30" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,610.07	504.27
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-118.98*	
26 05 36 00-0180	EA	36" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,808.51	549.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-135.04*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0181		36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*		
26 05 36 00-0182	EA	6" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,466.89	378.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-115.17*	
26 05 36 00-0183	EA	9" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,545.73	403.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-120.97*	
26 05 36 00-0184	EA	12" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,630.47	431.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-127.07*	
26 05 36 00-0185	EA	18" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,780.14	465.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-139.20*	
26 05 36 00-0186	EA	24" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,031.59	549.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-157.35*	
26 05 36 00-0187	EA	30" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,215.28	604.11
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-171.18*	
26 05 36 00-0188	EA	36" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,422.89	672.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-186.21*	
26 05 36 00-0189		12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*		
26 05 36 00-0190	EA	6" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	951.73	302.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.96*	
26 05 36 00-0191	EA	9" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	999.79	318.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.44*	
26 05 36 00-0192	EA	12" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,071.85	335.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-79.20*	
26 05 36 00-0193	EA	18" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,154.43	356.27
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-85.76*	
26 05 36 00-0194	EA	24" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,297.37	403.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-96.14*	
26 05 36 00-0195	EA	30" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,469.25	431.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-110.93*	
26 05 36 00-0196	EA	36" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,610.94	465.19
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-122.33*	
26 05 36 00-0197		24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*		
26 05 36 00-0198	EA	6" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,427.77	335.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-114.79*	
26 05 36 00-0199	EA	9" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,488.46	356.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-119.17*	
26 05 36 00-0200	EA	12" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,552.22	378.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-123.71*	
26 05 36 00-0201	EA	18" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,653.18	403.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-131.72*	
26 05 36 00-0202	EA	24" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,822.15	465.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-143.40*	
26 05 36 00-0203	EA	30" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,956.41	504.27
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-153.62*	
26 05 36 00-0204	EA	36" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,210.05	549.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-175.20*	
26 05 36 00-0205		36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*		
26 05 36 00-0206	EA	6" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,843.34	378.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-152.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0207	EA	9" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,938.91	403.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-160.29*	
26 05 36 00-0208	EA	12" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,040.38	431.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-168.06*	
26 05 36 00-0209	EA	18" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,231.87	465.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-184.37*	
26 05 36 00-0210	EA	24" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,533.52	549.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-207.54*	
26 05 36 00-0211	EA	30" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,759.03	604.11
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-225.56*	
26 05 36 00-0212	EA	36" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	3,008.47	672.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-244.77*	

26 05 36 00-0213 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings *(26 05 36 00-0002)*

26 05 36 00-0214 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0215	EA	6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	318.79	126.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.35*	
26 05 36 00-0216	EA	9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	356.73	143.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.67*	
26 05 36 00-0217	EA	12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	392.27	159.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.96*	
26 05 36 00-0218	EA	18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	489.99	195.15
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.74*	
26 05 36 00-0219	EA	24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	558.75	224.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.20*	
26 05 36 00-0220	EA	30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	663.89	252.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.38*	
26 05 36 00-0221	EA	36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	765.15	288.19
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.50*	

26 05 36 00-0222 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0223	EA	6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	442.26	131.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.27*	
26 05 36 00-0224	EA	9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	481.88	151.15
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.59*	
26 05 36 00-0225	EA	12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	518.67	168.05
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.86*	
26 05 36 00-0226	EA	18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	605.27	208.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.13*	
26 05 36 00-0227	EA	24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	679.83	242.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.81*	
26 05 36 00-0228	EA	30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	758.39	274.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.93*	
26 05 36 00-0229	EA	36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	887.52	318.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.22*	

26 05 36 00-0230 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0231	EA	6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	476.15	137.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.16*	
26 05 36 00-0232	EA	9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	525.90	159.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0233	EA	12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	569.61	178.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.12*	
26 05 36 00-0234	EA	18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	685.73	224.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.90*	
26 05 36 00-0235	EA	24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	781.54	262.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.24*	
26 05 36 00-0236	EA	30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	916.11	302.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.40*	
26 05 36 00-0237	EA	36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,042.01	355.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.58*	
26 05 36 00-0238		**12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0213)*		
26 05 36 00-0239	EA	6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	236.77	91.65
		For 60 Degree Bend, Deduct	*-43.02*	
		For 30 Degree Bend, Deduct	*-76.78*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.04*	
26 05 36 00-0240	EA	9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	270.65	109.93
		For 60 Degree Bend, Deduct	*-47.19*	
		For 30 Degree Bend, Deduct	*-84.76*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.91*	
26 05 36 00-0241	EA	12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	301.07	126.07
		For 60 Degree Bend, Deduct	*-51.03*	
		For 30 Degree Bend, Deduct	*-92.05*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.60*	
26 05 36 00-0242	EA	18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	361.61	159.35
		For 60 Degree Bend, Deduct	*-58.26*	
		For 30 Degree Bend, Deduct	*-105.96*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.89*	
26 05 36 00-0243	EA	24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	448.80	195.15
		For 60 Degree Bend, Deduct	*-73.30*	
		For 30 Degree Bend, Deduct	*-133.00*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.62*	
26 05 36 00-0244	EA	30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	531.29	224.03
		For 60 Degree Bend, Deduct	*-89.44*	
		For 30 Degree Bend, Deduct	*-161.51*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.46*	
26 05 36 00-0245	EA	36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	603.08	262.98
		For 60 Degree Bend, Deduct	*-98.20*	
		For 30 Degree Bend, Deduct	*-178.28*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.39*	
26 05 36 00-0246		**24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0213)*		
26 05 36 00-0247	EA	6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	263.89	94.55
		For 60 Degree Bend, Deduct	*-50.86*	
		For 30 Degree Bend, Deduct	*-90.01*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.51*	
26 05 36 00-0248	EA	9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	303.23	113.96
		For 60 Degree Bend, Deduct	*-56.37*	
		For 30 Degree Bend, Deduct	*-100.29*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.82*	
26 05 36 00-0249	EA	12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	346.31	131.61
		For 60 Degree Bend, Deduct	*-63.84*	
		For 30 Degree Bend, Deduct	*-113.71*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.66*	
26 05 36 00-0250	EA	18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	410.57	168.05
		For 60 Degree Bend, Deduct	*-71.05*	
		For 30 Degree Bend, Deduct	*-127.76*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.05*	
26 05 36 00-0251	EA	24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	505.74	208.76
		For 60 Degree Bend, Deduct	*-86.88*	
		For 30 Degree Bend, Deduct	*-156.40*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0252	EA	30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	592.31	242.17
		For 60 Degree Bend, Deduct	*-102.65*	
		For 30 Degree Bend, Deduct	*-184.53*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.05*	
26 05 36 00-0253	EA	36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	696.66	288.31
		For 60 Degree Bend, Deduct	*-119.40*	
		For 30 Degree Bend, Deduct	*-215.01*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.64*	

26 05 36 00-0254 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0255	EA	6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	315.27	97.58
		For 60 Degree Bend, Deduct	*-66.65*	
		For 30 Degree Bend, Deduct	*-116.51*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.40*	
26 05 36 00-0256	EA	9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	358.77	118.50
		For 60 Degree Bend, Deduct	*-72.98*	
		For 30 Degree Bend, Deduct	*-128.21*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.00*	
26 05 36 00-0257	EA	12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	393.96	137.54
		For 60 Degree Bend, Deduct	*-77.29*	
		For 30 Degree Bend, Deduct	*-136.45*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.94*	
26 05 36 00-0258	EA	18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	475.23	178.01
		For 60 Degree Bend, Deduct	*-88.57*	
		For 30 Degree Bend, Deduct	*-157.51*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.68*	
26 05 36 00-0259	EA	24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	562.18	224.03
		For 60 Degree Bend, Deduct	*-99.63*	
		For 30 Degree Bend, Deduct	*-178.50*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.55*	
26 05 36 00-0260	EA	30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	682.01	262.98
		For 60 Degree Bend, Deduct	*-124.25*	
		For 30 Degree Bend, Deduct	*-221.69*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.28*	
26 05 36 00-0261	EA	36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	801.72	318.32
		For 60 Degree Bend, Deduct	*-142.53*	
		For 30 Degree Bend, Deduct	*-255.24*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.64*	

26 05 36 00-0262 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0263	EA	6" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	353.19	126.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.81*	
26 05 36 00-0264	EA	9" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	386.40	143.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.64*	
26 05 36 00-0265	EA	12" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	416.58	159.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.39*	
26 05 36 00-0266	EA	18" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	483.12	195.15
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.05*	
26 05 36 00-0267	EA	24" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	537.87	224.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.12*	
26 05 36 00-0268	EA	30" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	597.83	252.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.77*	
26 05 36 00-0269	EA	36" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	663.89	287.81
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.40*	

26 05 36 00-0270 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0271	EA	6" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	421.45	131.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.19*	
26 05 36 00-0272	EA	9" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	459.35	151.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0273	EA	12" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	495.58	168.05
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.55*	
26 05 36 00-0274	EA	18" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	574.81	208.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.09*	
26 05 36 00-0275	EA	24" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	642.00	242.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.02*	
26 05 36 00-0276	EA	30" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	709.70	274.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.07*	
26 05 36 00-0277	EA	36" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	813.44	318.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.81*	

26 05 36 00-0278 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0279	EA	6" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	502.04	137.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.75*	
26 05 36 00-0280	EA	9" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	548.14	159.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.55*	
26 05 36 00-0281	EA	12" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	582.91	178.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.45*	
26 05 36 00-0282	EA	18" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	682.59	224.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.59*	
26 05 36 00-0283	EA	24" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	750.79	262.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.16*	
26 05 36 00-0284	EA	30" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	859.48	302.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.73*	
26 05 36 00-0285	EA	36" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	970.65	355.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.44*	

26 05 36 00-0286 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0287	EA	6" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	633.49	242.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.17*	
26 05 36 00-0288	EA	9" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	685.44	262.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.63*	
26 05 36 00-0289	EA	12" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	718.92	274.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.99*	
26 05 36 00-0290	EA	18" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	802.85	302.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.07*	
26 05 36 00-0291	EA	24" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	909.86	335.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.00*	
26 05 36 00-0292	EA	30" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,012.24	356.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-71.55*	
26 05 36 00-0293	EA	36" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,145.62	403.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-80.96*	

26 05 36 00-0294 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0295	EA	6" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	798.70	262.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.95*	
26 05 36 00-0296	EA	9" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	857.96	288.31
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.77*	
26 05 36 00-0297	EA	12" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	895.52	302.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.34*	
26 05 36 00-0298	EA	18" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	981.94	335.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.20*	
26 05 36 00-0299	EA	24" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,090.23	378.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-77.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0300	EA	30" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,173.07	403.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.71*	
26 05 36 00-0301	EA	36" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,418.06	465.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-102.99*	
26 05 36 00-0302		**36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0213)*		
26 05 36 00-0303	EA	6" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,019.26	288.31
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-77.90*	
26 05 36 00-0304	EA	9" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,090.01	318.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-82.47*	
26 05 36 00-0305	EA	12" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,156.97	335.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-87.71*	
26 05 36 00-0306	EA	18" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,272.12	378.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-95.70*	
26 05 36 00-0307	EA	24" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,443.71	431.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-108.39*	
26 05 36 00-0308	EA	30" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,565.64	465.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-117.75*	
26 05 36 00-0309	EA	36" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,763.89	549.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-130.58*	
26 05 36 00-0310		**12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0213)*		
26 05 36 00-0311	EA	6" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	764.67	224.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.80*	
26 05 36 00-0312	EA	9" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	782.81	232.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.87*	
26 05 36 00-0313	EA	12" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	801.66	242.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.99*	
26 05 36 00-0314	EA	18" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	843.32	262.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.42*	
26 05 36 00-0315	EA	24" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	869.93	274.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.09*	
26 05 36 00-0316	EA	30" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	943.57	302.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.14*	
26 05 36 00-0317	EA	36" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,016.26	335.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.64*	
26 05 36 00-0318		**24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0213)*		
26 05 36 00-0319	EA	6" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,110.54	242.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-90.88*	
26 05 36 00-0320	EA	9" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,137.51	252.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-92.74*	
26 05 36 00-0321	EA	12" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,165.92	262.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-94.68*	
26 05 36 00-0322	EA	18" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,228.61	288.31
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-98.84*	
26 05 36 00-0323	EA	24" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,273.04	302.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-102.09*	
26 05 36 00-0324	EA	30" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,349.16	335.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-106.93*	
26 05 36 00-0325	EA	36" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,454.02	378.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-113.89*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0326		**36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0213)*		
26 05 36 00-0327	EA	6" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,759.66	262.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-154.05*	
26 05 36 00-0328	EA	9" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,796.57	274.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-156.75*	
26 05 36 00-0329	EA	12" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,836.08	288.31
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-159.59*	
26 05 36 00-0330	EA	18" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,903.39	318.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-163.81*	
26 05 36 00-0331	EA	24" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,949.76	335.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-166.99*	
26 05 36 00-0332	EA	30" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,071.78	378.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-175.66*	
26 05 36 00-0333	EA	36" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,178.16	431.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-181.84*	
26 05 36 00-0334		**12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0213)*		
26 05 36 00-0335	EA	6" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	789.13	302.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.70*	
26 05 36 00-0336	EA	9" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	829.17	318.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.39*	
26 05 36 00-0337	EA	12" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	885.84	335.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.59*	
26 05 36 00-0338	EA	18" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	950.47	356.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.37*	
26 05 36 00-0339	EA	24" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,070.11	403.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.41*	
26 05 36 00-0340	EA	30" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,196.61	431.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.68*	
26 05 36 00-0341	EA	36" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,308.24	465.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-92.01*	
26 05 36 00-0342		**24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0213)*		
26 05 36 00-0343	EA	6" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,112.35	335.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.25*	
26 05 36 00-0344	EA	9" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,163.25	356.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-86.65*	
26 05 36 00-0345	EA	12" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,217.21	378.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-90.20*	
26 05 36 00-0346	EA	18" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,296.62	403.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-96.06*	
26 05 36 00-0347	EA	24" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,442.09	465.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-105.40*	
26 05 36 00-0348	EA	30" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,550.87	504.27
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-113.06*	
26 05 36 00-0349	EA	36" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,739.87	549.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-128.18*	
26 05 36 00-0350		**36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0213)*		
26 05 36 00-0351	EA	6" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,402.54	378.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-108.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0352	EA	9" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,478.52	403.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-114.25*	
26 05 36 00-0353	EA	12" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,560.40	431.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-120.06*	
26 05 36 00-0354	EA	18" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,702.92	465.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-131.48*	
26 05 36 00-0355	EA	24" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,945.79	549.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-148.77*	
26 05 36 00-0356	EA	30" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,122.33	604.11
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-161.89*	
26 05 36 00-0357	EA	36" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,322.79	672.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-176.20*	

26 05 36 00-0358 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0359	EA	6" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	917.31	302.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.52*	
26 05 36 00-0360	EA	9" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	963.72	318.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.83*	
26 05 36 00-0361	EA	12" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,032.46	335.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.26*	
26 05 36 00-0362	EA	18" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,111.30	356.27
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-81.44*	
26 05 36 00-0363	EA	24" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,249.26	403.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-91.33*	
26 05 36 00-0364	EA	30" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,411.61	431.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-105.17*	
26 05 36 00-0365	EA	36" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,546.66	465.19
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-115.90*	

26 05 36 00-0366 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0367	EA	6" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,361.00	335.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-108.11*	
26 05 36 00-0368	EA	9" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,419.62	356.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-112.29*	
26 05 36 00-0369	EA	12" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,481.30	378.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-116.61*	
26 05 36 00-0370	EA	18" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,577.70	403.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-124.17*	
26 05 36 00-0371	EA	24" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,741.70	465.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-135.36*	
26 05 36 00-0372	EA	30" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,870.56	504.27
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-145.03*	
26 05 36 00-0373	EA	36" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,110.52	549.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-165.24*	

26 05 36 00-0374 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0375	EA	6" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,750.03	378.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-143.49*	
26 05 36 00-0376	EA	9" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,841.45	403.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-150.55*	
26 05 36 00-0377	EA	12" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,938.78	431.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-157.90*	
26 05 36 00-0378	EA	18" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,119.91	465.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-173.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0379	EA	24" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,409.11	549.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-195.10*	
26 05 36 00-0380	EA	30" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,624.26	604.11
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-212.08*	
26 05 36 00-0381	EA	36" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,863.33	672.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-230.25*	
26 05 36 00-0382		9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings *(26 05 36 00-0002)*		
26 05 36 00-0383		12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*		
26 05 36 00-0384	EA	6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	300.77	126.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.54*	
26 05 36 00-0385	EA	9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	337.28	143.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.73*	
26 05 36 00-0386	EA	12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	371.11	159.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.85*	
26 05 36 00-0387	EA	18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	462.53	195.15
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.99*	
26 05 36 00-0388	EA	24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	527.86	224.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.12*	
26 05 36 00-0389	EA	30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	623.28	252.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.32*	
26 05 36 00-0390	EA	36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	717.67	288.19
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.75*	
26 05 36 00-0391		24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*		
26 05 36 00-0392	EA	6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	405.08	131.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.55*	
26 05 36 00-0393	EA	9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	443.56	151.15
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.76*	
26 05 36 00-0394	EA	12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	478.92	168.05
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.88*	
26 05 36 00-0395	EA	18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	562.37	208.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.84*	
26 05 36 00-0396	EA	24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	633.78	242.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.20*	
26 05 36 00-0397	EA	30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	708.34	274.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.93*	
26 05 36 00-0398	EA	36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	828.03	318.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.27*	
26 05 36 00-0399		36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*		
26 05 36 00-0400	EA	6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	434.97	137.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.04*	
26 05 36 00-0401	EA	9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	482.43	159.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.99*	
26 05 36 00-0402	EA	12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	524.14	178.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.58*	
26 05 36 00-0403	EA	18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	633.68	224.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.70*	
26 05 36 00-0404	EA	24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	724.34	262.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0405	EA	30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	847.47	302.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.53*	
26 05 36 00-0406	EA	36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	967.08	355.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.09*	

26 05 36 00-0407 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0408	EA	6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	222.76	91.65
		For 60 Degree Bend, Deduct	*-38.39*	
		For 30 Degree Bend, Deduct	*-69.08*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.64*	
26 05 36 00-0409	EA	9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	256.06	109.93
		For 60 Degree Bend, Deduct	*-42.38*	
		For 30 Degree Bend, Deduct	*-76.74*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.45*	
26 05 36 00-0410	EA	12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	285.91	126.07
		For 60 Degree Bend, Deduct	*-46.02*	
		For 30 Degree Bend, Deduct	*-83.71*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.09*	
26 05 36 00-0411	EA	18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	345.59	159.35
		For 60 Degree Bend, Deduct	*-52.98*	
		For 30 Degree Bend, Deduct	*-97.15*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.28*	
26 05 36 00-0412	EA	24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	428.21	195.15
		For 60 Degree Bend, Deduct	*-66.50*	
		For 30 Degree Bend, Deduct	*-121.68*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.56*	
26 05 36 00-0413	EA	30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	504.98	224.03
		For 60 Degree Bend, Deduct	*-80.76*	
		For 30 Degree Bend, Deduct	*-147.04*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.83*	
26 05 36 00-0414	EA	36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	575.62	262.98
		For 60 Degree Bend, Deduct	*-89.14*	
		For 30 Degree Bend, Deduct	*-163.17*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.65*	

26 05 36 00-0415 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0416	EA	6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	246.16	94.55
		For 60 Degree Bend, Deduct	*-45.01*	
		For 30 Degree Bend, Deduct	*-80.26*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.74*	
26 05 36 00-0417	EA	9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	284.35	113.96
		For 60 Degree Bend, Deduct	*-50.14*	
		For 30 Degree Bend, Deduct	*-89.90*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.94*	
26 05 36 00-0418	EA	12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	325.15	131.61
		For 60 Degree Bend, Deduct	*-56.85*	
		For 30 Degree Bend, Deduct	*-102.07*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.55*	
26 05 36 00-0419	EA	18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	388.83	168.05
		For 60 Degree Bend, Deduct	*-63.88*	
		For 30 Degree Bend, Deduct	*-115.80*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.88*	
26 05 36 00-0420	EA	24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	479.43	208.76
		For 60 Degree Bend, Deduct	*-78.20*	
		For 30 Degree Bend, Deduct	*-141.93*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.55*	
26 05 36 00-0421	EA	30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	560.85	242.17
		For 60 Degree Bend, Deduct	*-92.26*	
		For 30 Degree Bend, Deduct	*-167.23*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.91*	
26 05 36 00-0422	EA	36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	660.62	288.31
		For 60 Degree Bend, Deduct	*-107.50*	
		For 30 Degree Bend, Deduct	*-195.19*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.04*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0423		36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*		
26 05 36 00-0424	EA	6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	289.82	97.58
		For 60 Degree Bend, Deduct	*-58.25*	
		For 30 Degree Bend, Deduct	*-102.51*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.85*	
26 05 36 00-0425	EA	9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	331.89	118.50
		For 60 Degree Bend, Deduct	*-64.11*	
		For 30 Degree Bend, Deduct	*-113.43*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.32*	
26 05 36 00-0426	EA	12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	366.50	137.54
		For 60 Degree Bend, Deduct	*-68.22*	
		For 30 Degree Bend, Deduct	*-121.35*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.19*	
26 05 36 00-0427	EA	18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	445.49	178.01
		For 60 Degree Bend, Deduct	*-78.75*	
		For 30 Degree Bend, Deduct	*-141.15*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.71*	
26 05 36 00-0428	EA	24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	530.72	224.03
		For 60 Degree Bend, Deduct	*-89.25*	
		For 30 Degree Bend, Deduct	*-161.20*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.40*	
26 05 36 00-0429	EA	30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	641.40	262.98
		For 60 Degree Bend, Deduct	*-110.84*	
		For 30 Degree Bend, Deduct	*-199.35*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.22*	
26 05 36 00-0430	EA	36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	756.53	318.32
		For 60 Degree Bend, Deduct	*-127.62*	
		For 30 Degree Bend, Deduct	*-230.39*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.12*	
26 05 36 00-0431		12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*		
26 05 36 00-0432	EA	6" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	334.53	126.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.95*	
26 05 36 00-0433	EA	9" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	367.31	143.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.73*	
26 05 36 00-0434	EA	12" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	396.85	159.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.42*	
26 05 36 00-0435	EA	18" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	462.53	195.15
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.99*	
26 05 36 00-0436	EA	24" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	516.42	224.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.97*	
26 05 36 00-0437	EA	30" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	574.66	252.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.46*	
26 05 36 00-0438	EA	36" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	639.87	287.81
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.00*	
26 05 36 00-0439		24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*		
26 05 36 00-0440	EA	6" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	395.07	131.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.55*	
26 05 36 00-0441	EA	9" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	432.32	151.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.63*	
26 05 36 00-0442	EA	12" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	467.48	168.05
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.74*	
26 05 36 00-0443	EA	18" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	545.21	208.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.13*	
26 05 36 00-0444	EA	24" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	610.90	242.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.91*	

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26 05 36 00-0445	EA	30" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	676.88	274.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.78*	
26 05 36 00-0446	EA	36" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	776.55	318.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.13*	

26 05 36 00-0447 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0448	EA	6" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	466.43	137.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.19*	
26 05 36 00-0449	EA	9" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	511.25	159.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.86*	
26 05 36 00-0450	EA	12" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	545.59	178.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.72*	
26 05 36 00-0451	EA	18" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	642.26	224.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.56*	
26 05 36 00-0452	EA	24" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	710.04	262.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.09*	
26 05 36 00-0453	EA	30" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	813.15	302.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.10*	
26 05 36 00-0454	EA	36" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	921.32	355.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.51*	

26 05 36 00-0455 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0456	EA	6" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	595.17	242.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.34*	
26 05 36 00-0457	EA	9" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	644.26	262.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.51*	
26 05 36 00-0458	EA	12" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	675.45	274.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.64*	
26 05 36 00-0459	EA	18" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	753.09	302.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.10*	
26 05 36 00-0460	EA	24" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	851.52	335.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.16*	
26 05 36 00-0461	EA	30" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	942.46	356.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.57*	
26 05 36 00-0462	EA	36" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,066.68	403.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.07*	

26 05 36 00-0463 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0464	EA	6" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	738.64	262.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.95*	
26 05 36 00-0465	EA	9" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	795.04	288.31
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.48*	
26 05 36 00-0466	EA	12" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	830.31	302.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.82*	
26 05 36 00-0467	EA	18" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	911.58	335.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.17*	
26 05 36 00-0468	EA	24" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,013.58	378.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.84*	
26 05 36 00-0469	EA	30" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,089.56	403.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.36*	
26 05 36 00-0470	EA	36" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,311.10	465.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-92.30*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0471		36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*		
26 05 36 00-0472	EA	6" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	929.46	288.31
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.92*	
26 05 36 00-0473	EA	9" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	996.77	318.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.15*	
26 05 36 00-0474	EA	12" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,057.44	335.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-77.75*	
26 05 36 00-0475	EA	18" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,165.16	378.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-85.00*	
26 05 36 00-0476	EA	24" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,323.02	431.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-96.32*	
26 05 36 00-0477	EA	30" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,434.08	465.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-104.59*	
26 05 36 00-0478	EA	36" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,622.61	549.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-116.45*	
26 05 36 00-0479		12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*		
26 05 36 00-0480	EA	6" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	699.46	224.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.28*	
26 05 36 00-0481	EA	9" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	717.03	232.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.30*	
26 05 36 00-0482	EA	12" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	735.31	242.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.35*	
26 05 36 00-0483	EA	18" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	775.82	262.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.67*	
26 05 36 00-0484	EA	24" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	801.29	274.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.22*	
26 05 36 00-0485	EA	30" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	870.35	302.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.82*	
26 05 36 00-0486	EA	36" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	940.18	335.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.03*	
26 05 36 00-0487		24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*		
26 05 36 00-0488	EA	6" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	992.71	242.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-79.09*	
26 05 36 00-0489	EA	9" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,017.96	252.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-80.79*	
26 05 36 00-0490	EA	12" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,044.66	262.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-82.55*	
26 05 36 00-0491	EA	18" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,103.92	288.31
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-86.37*	
26 05 36 00-0492	EA	24" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,144.91	302.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-89.28*	
26 05 36 00-0493	EA	30" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,217.60	335.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-93.77*	
26 05 36 00-0494	EA	36" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,316.74	378.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-100.16*	
26 05 36 00-0495		36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*		
26 05 36 00-0496	EA	6" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,539.44	262.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-132.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0497	EA	9" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,573.49	274.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-134.44*	
26 05 36 00-0498	EA	12" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,610.14	288.31
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-136.99*	
26 05 36 00-0499	EA	18" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,674.59	318.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-140.93*	
26 05 36 00-0500	EA	24" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,718.10	335.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-143.82*	
26 05 36 00-0501	EA	30" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,831.54	378.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-151.64*	
26 05 36 00-0502	EA	36" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,935.06	431.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-157.53*	

26 05 36 00-0503 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0504	EA	6" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	741.65	302.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.95*	
26 05 36 00-0505	EA	9" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	779.41	318.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.41*	
26 05 36 00-0506	EA	12" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	831.50	335.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.16*	
26 05 36 00-0507	EA	18" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	890.98	356.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.42*	
26 05 36 00-0508	EA	24" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,003.76	403.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.78*	
26 05 36 00-0509	EA	30" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,117.10	431.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.73*	
26 05 36 00-0510	EA	36" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,219.58	465.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.14*	

26 05 36 00-0511 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0512	EA	6" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,020.26	335.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.04*	
26 05 36 00-0513	EA	9" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,068.30	356.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-77.15*	
26 05 36 00-0514	EA	12" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,119.40	378.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-80.42*	
26 05 36 00-0515	EA	18" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,192.52	403.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-85.65*	
26 05 36 00-0516	EA	24" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,331.12	465.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-94.30*	
26 05 36 00-0517	EA	30" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,432.47	504.27
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-101.22*	
26 05 36 00-0518	EA	36" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,602.59	549.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-114.45*	

26 05 36 00-0519 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0520	EA	6" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,273.84	378.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-95.87*	
26 05 36 00-0521	EA	9" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,344.10	403.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-100.81*	
26 05 36 00-0522	EA	12" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,420.26	431.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-106.05*	
26 05 36 00-0523	EA	18" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,548.48	465.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-116.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0524	EA	24" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,774.19	549.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-131.61*	
26 05 36 00-0525	EA	30" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,936.43	604.11
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-143.30*	
26 05 36 00-0526	EA	36" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,122.59	672.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-156.18*	
26 05 36 00-0527		12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*		
26 05 36 00-0528	EA	6" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	848.47	302.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.63*	
26 05 36 00-0529	EA	9" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	891.56	318.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.62*	
26 05 36 00-0530	EA	12" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	953.66	335.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.38*	
26 05 36 00-0531	EA	18" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,025.05	356.27
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.82*	
26 05 36 00-0532	EA	24" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,153.05	403.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-81.71*	
26 05 36 00-0533	EA	30" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,296.32	431.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-93.64*	
26 05 36 00-0534	EA	36" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,418.10	465.19
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-103.04*	
26 05 36 00-0535		24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*		
26 05 36 00-0536	EA	6" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,227.47	335.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-94.76*	
26 05 36 00-0537	EA	9" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,281.94	356.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-98.52*	
26 05 36 00-0538	EA	12" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,339.48	378.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-102.43*	
26 05 36 00-0539	EA	18" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,426.75	403.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-109.08*	
26 05 36 00-0540	EA	24" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,580.80	465.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-119.27*	
26 05 36 00-0541	EA	30" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,698.88	504.27
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-127.87*	
26 05 36 00-0542	EA	36" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,911.47	549.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-145.34*	
26 05 36 00-0543		36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*		
26 05 36 00-0544	EA	6" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,563.41	378.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-124.82*	
26 05 36 00-0545	EA	9" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,646.54	403.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-131.05*	
26 05 36 00-0546	EA	12" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,735.57	431.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-137.58*	
26 05 36 00-0547	EA	18" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,895.97	465.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-150.78*	
26 05 36 00-0548	EA	24" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,160.29	549.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-170.22*	
26 05 36 00-0549	EA	30" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,354.70	604.11
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-185.12*	
26 05 36 00-0550	EA	36" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,573.04	672.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-201.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0551		12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings *(26 05 36 00-0002)*		
26 05 36 00-0552		12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*		
26 05 36 00-0553	EA	6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	294.46	126.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.91*	
26 05 36 00-0554	EA	9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	330.47	143.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.05*	
26 05 36 00-0555	EA	12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	363.70	159.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.11*	
26 05 36 00-0556	EA	18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	452.92	195.15
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.03*	
26 05 36 00-0557	EA	24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	517.05	224.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.03*	
26 05 36 00-0558	EA	30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	609.07	252.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.90*	
26 05 36 00-0559	EA	36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	701.05	288.19
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.09*	
26 05 36 00-0560		24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*		
26 05 36 00-0561	EA	6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	392.07	131.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.25*	
26 05 36 00-0562	EA	9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	430.15	151.15
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.42*	
26 05 36 00-0563	EA	12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	465.01	168.05
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.49*	
26 05 36 00-0564	EA	18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	547.35	208.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.34*	
26 05 36 00-0565	EA	24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	617.66	242.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.59*	
26 05 36 00-0566	EA	30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	690.82	274.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.18*	
26 05 36 00-0567	EA	36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	807.21	318.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.19*	
26 05 36 00-0568		36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*		
26 05 36 00-0569	EA	6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	420.56	137.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.60*	
26 05 36 00-0570	EA	9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	467.21	159.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.47*	
26 05 36 00-0571	EA	12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	508.22	178.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.98*	
26 05 36 00-0572	EA	18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	615.46	224.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.88*	
26 05 36 00-0573	EA	24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	704.32	262.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.52*	
26 05 36 00-0574	EA	30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	823.45	302.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.13*	
26 05 36 00-0575	EA	36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	940.85	355.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.46*	
26 05 36 00-0576		12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0577	EA	6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	217.86	91.65
		For 60 Degree Bend, Deduct	*-36.78*	
		For 30 Degree Bend, Deduct	*-66.38*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.15*	
26 05 36 00-0578	EA	9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	250.95	109.93
		For 60 Degree Bend, Deduct	*-40.69*	
		For 30 Degree Bend, Deduct	*-73.93*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.94*	
26 05 36 00-0579	EA	12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	280.60	126.07
		For 60 Degree Bend, Deduct	*-44.27*	
		For 30 Degree Bend, Deduct	*-80.79*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.55*	
26 05 36 00-0580	EA	18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	339.98	159.35
		For 60 Degree Bend, Deduct	*-51.13*	
		For 30 Degree Bend, Deduct	*-94.06*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.72*	
26 05 36 00-0581	EA	24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	421.00	195.15
		For 60 Degree Bend, Deduct	*-64.12*	
		For 30 Degree Bend, Deduct	*-117.71*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.84*	
26 05 36 00-0582	EA	30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	495.77	224.03
		For 60 Degree Bend, Deduct	*-77.72*	
		For 30 Degree Bend, Deduct	*-141.98*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.91*	
26 05 36 00-0583	EA	36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	566.01	262.98
		For 60 Degree Bend, Deduct	*-85.97*	
		For 30 Degree Bend, Deduct	*-157.89*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.68*	

26 05 36 00-0584 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0585	EA	6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	239.95	94.55
		For 60 Degree Bend, Deduct	*-42.96*	
		For 30 Degree Bend, Deduct	*-76.85*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.12*	
26 05 36 00-0586	EA	9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	277.74	113.96
		For 60 Degree Bend, Deduct	*-47.96*	
		For 30 Degree Bend, Deduct	*-86.27*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.28*	
26 05 36 00-0587	EA	12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	317.74	131.61
		For 60 Degree Bend, Deduct	*-54.41*	
		For 30 Degree Bend, Deduct	*-97.99*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.81*	
26 05 36 00-0588	EA	18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	381.22	168.05
		For 60 Degree Bend, Deduct	*-61.37*	
		For 30 Degree Bend, Deduct	*-111.62*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.11*	
26 05 36 00-0589	EA	24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	470.22	208.76
		For 60 Degree Bend, Deduct	*-75.16*	
		For 30 Degree Bend, Deduct	*-136.87*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.63*	
26 05 36 00-0590	EA	30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	549.84	242.17
		For 60 Degree Bend, Deduct	*-88.63*	
		For 30 Degree Bend, Deduct	*-161.17*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.81*	
26 05 36 00-0591	EA	36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	648.01	288.31
		For 60 Degree Bend, Deduct	*-103.34*	
		For 30 Degree Bend, Deduct	*-188.25*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.78*	

26 05 36 00-0592 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0593	EA	6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	280.91	97.58
		For 60 Degree Bend, Deduct	*-55.31*	
		For 30 Degree Bend, Deduct	*-97.61*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0594	EA	9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	322.48	118.50
		For 60 Degree Bend, Deduct	*-61.00*	
		For 30 Degree Bend, Deduct	*-108.25*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.37*	
26 05 36 00-0595	EA	12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	356.89	137.54
		For 60 Degree Bend, Deduct	*-65.05*	
		For 30 Degree Bend, Deduct	*-116.06*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.23*	
26 05 36 00-0596	EA	18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	435.08	178.01
		For 60 Degree Bend, Deduct	*-75.32*	
		For 30 Degree Bend, Deduct	*-135.42*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.67*	
26 05 36 00-0597	EA	24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	519.71	224.03
		For 60 Degree Bend, Deduct	*-85.62*	
		For 30 Degree Bend, Deduct	*-155.14*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.30*	
26 05 36 00-0598	EA	30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	627.19	262.98
		For 60 Degree Bend, Deduct	*-106.15*	
		For 30 Degree Bend, Deduct	*-191.54*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.80*	
26 05 36 00-0599	EA	36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	740.71	318.32
		For 60 Degree Bend, Deduct	*-122.40*	
		For 30 Degree Bend, Deduct	*-221.68*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.54*	

26 05 36 00-0600 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0601	EA	6" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	325.82	126.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.08*	
26 05 36 00-0602	EA	9" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	358.40	143.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.84*	
26 05 36 00-0603	EA	12" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	387.64	159.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.50*	
26 05 36 00-0604	EA	18" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	452.92	195.15
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.03*	
26 05 36 00-0605	EA	24" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	506.41	224.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.97*	
26 05 36 00-0606	EA	30" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	563.85	252.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.37*	
26 05 36 00-0607	EA	36" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	628.66	287.81
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.88*	

26 05 36 00-0608 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0609	EA	6" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	382.76	131.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.32*	
26 05 36 00-0610	EA	9" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	419.71	151.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.36*	
26 05 36 00-0611	EA	12" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	454.37	168.05
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.43*	
26 05 36 00-0612	EA	18" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	531.40	208.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.75*	
26 05 36 00-0613	EA	24" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	596.39	242.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.46*	
26 05 36 00-0614	EA	30" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	661.56	274.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.25*	
26 05 36 00-0615	EA	36" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	759.33	318.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.40*	

26 05 36 00-0616 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0617	EA	6" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		449.81	137.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-33.53*	
26 05 36 00-0618	EA	9" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		494.03	159.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-36.14*	
26 05 36 00-0619	EA	12" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		528.17	178.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-37.98*	
26 05 36 00-0620	EA	18" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		623.44	224.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-43.67*	
26 05 36 00-0621	EA	24" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		691.02	262.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-47.19*	
26 05 36 00-0622	EA	30" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		791.53	302.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-53.94*	
26 05 36 00-0623	EA	36" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		898.30	355.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-60.21*	

26 05 36 00-0624 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0625	EA	6" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		576.01	242.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-37.42*	
26 05 36 00-0626	EA	9" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		623.67	262.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-40.45*	
26 05 36 00-0627	EA	12" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		653.71	274.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-42.47*	
26 05 36 00-0628	EA	18" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		728.21	302.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-47.61*	
26 05 36 00-0629	EA	24" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		822.35	335.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-54.25*	
26 05 36 00-0630	EA	30" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		907.57	356.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-61.08*	
26 05 36 00-0631	EA	36" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		1,027.21	403.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-69.12*	

26 05 36 00-0632 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0633	EA	6" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		708.61	262.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-48.94*	
26 05 36 00-0634	EA	9" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		763.58	288.31
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-52.34*	
26 05 36 00-0635	EA	12" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		797.71	302.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-54.56*	
26 05 36 00-0636	EA	18" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		876.40	335.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-59.65*	
26 05 36 00-0637	EA	24" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		975.26	378.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-66.01*	
26 05 36 00-0638	EA	30" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		1,047.80	403.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-71.18*	
26 05 36 00-0639	EA	36" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		1,257.62	465.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-86.95*	

26 05 36 00-0640 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0641	EA	6" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		884.56	288.31
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-64.43*	
26 05 36 00-0642	EA	9" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting		950.15	318.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-68.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0643	EA	12" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,007.68	335.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.78*	
26 05 36 00-0644	EA	18" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,111.68	378.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-79.65*	
26 05 36 00-0645	EA	24" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,262.67	431.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-90.29*	
26 05 36 00-0646	EA	30" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,368.30	465.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-98.02*	
26 05 36 00-0647	EA	36" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,551.97	549.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-109.39*	

26 05 36 00-0648 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0649	EA	6" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	666.86	224.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.02*	
26 05 36 00-0650	EA	9" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	684.14	232.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.01*	
26 05 36 00-0651	EA	12" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	702.13	242.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.04*	
26 05 36 00-0652	EA	18" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	742.07	262.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.29*	
26 05 36 00-0653	EA	24" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	766.97	274.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.79*	
26 05 36 00-0654	EA	30" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	833.74	302.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.16*	
26 05 36 00-0655	EA	36" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	902.14	335.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.22*	

26 05 36 00-0656 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0657	EA	6" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	933.79	242.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.20*	
26 05 36 00-0658	EA	9" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	958.19	252.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.81*	
26 05 36 00-0659	EA	12" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	984.03	262.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-76.49*	
26 05 36 00-0660	EA	18" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,041.57	288.31
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-80.14*	
26 05 36 00-0661	EA	24" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,080.85	302.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-82.87*	
26 05 36 00-0662	EA	30" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,151.82	335.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-87.19*	
26 05 36 00-0663	EA	36" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,248.10	378.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-93.29*	

26 05 36 00-0664 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0665	EA	6" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,429.33	262.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-121.02*	
26 05 36 00-0666	EA	9" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,461.95	274.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-123.29*	
26 05 36 00-0667	EA	12" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,497.17	288.31
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-125.70*	
26 05 36 00-0668	EA	18" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,560.19	318.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-129.49*	
26 05 36 00-0669	EA	24" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,602.27	335.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-132.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0670	EA	30" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,711.42	378.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-139.63*	
26 05 36 00-0671	EA	36" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,813.51	431.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-145.37*	
26 05 36 00-0672		**12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0551)*		
26 05 36 00-0673	EA	6" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	717.91	302.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.58*	
26 05 36 00-0674	EA	9" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	754.53	318.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.92*	
26 05 36 00-0675	EA	12" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	804.33	335.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.44*	
26 05 36 00-0676	EA	18" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	861.24	356.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.45*	
26 05 36 00-0677	EA	24" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	970.58	403.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.46*	
26 05 36 00-0678	EA	30" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,077.35	431.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-71.76*	
26 05 36 00-0679	EA	36" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,175.25	465.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-78.71*	
26 05 36 00-0680		**24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0551)*		
26 05 36 00-0681	EA	6" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	974.21	335.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.43*	
26 05 36 00-0682	EA	9" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,020.82	356.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.41*	
26 05 36 00-0683	EA	12" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,070.49	378.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.53*	
26 05 36 00-0684	EA	18" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,140.47	403.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-80.45*	
26 05 36 00-0685	EA	24" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,275.64	465.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-88.75*	
26 05 36 00-0686	EA	30" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,373.27	504.27
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-95.30*	
26 05 36 00-0687	EA	36" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,533.95	549.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-107.59*	
26 05 36 00-0688		**36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0551)*		
26 05 36 00-0689	EA	6" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,209.49	378.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-89.43*	
26 05 36 00-0690	EA	9" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,276.89	403.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-94.09*	
26 05 36 00-0691	EA	12" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,350.19	431.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-99.04*	
26 05 36 00-0692	EA	18" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,471.26	465.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-108.31*	
26 05 36 00-0693	EA	24" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,688.39	549.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-123.03*	
26 05 36 00-0694	EA	30" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,843.48	604.11
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-134.00*	
26 05 36 00-0695	EA	36" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,022.49	672.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-146.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0696		**12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0551)*		
26 05 36 00-0697	EA	6" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	814.05	302.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.19*	
26 05 36 00-0698	EA	9" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	855.48	318.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.01*	
26 05 36 00-0699	EA	12" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	914.27	335.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.44*	
26 05 36 00-0700	EA	18" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	981.92	356.27
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.50*	
26 05 36 00-0701	EA	24" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,104.95	403.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-76.90*	
26 05 36 00-0702	EA	30" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,238.68	431.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-87.87*	
26 05 36 00-0703	EA	36" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,353.83	465.19
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-96.62*	
26 05 36 00-0704		**24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0551)*		
26 05 36 00-0705	EA	6" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,160.70	335.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-88.08*	
26 05 36 00-0706	EA	9" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,213.10	356.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-91.63*	
26 05 36 00-0707	EA	12" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,268.56	378.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-95.34*	
26 05 36 00-0708	EA	18" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,351.28	403.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-101.53*	
26 05 36 00-0709	EA	24" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,500.34	465.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-111.22*	
26 05 36 00-0710	EA	30" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,613.03	504.27
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-119.28*	
26 05 36 00-0711	EA	36" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,811.94	549.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-135.38*	
26 05 36 00-0712		**36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0551)*		
26 05 36 00-0713	EA	6" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,470.11	378.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-115.49*	
26 05 36 00-0714	EA	9" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,549.09	403.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-121.31*	
26 05 36 00-0715	EA	12" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,633.97	431.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-127.42*	
26 05 36 00-0716	EA	18" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,784.00	465.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-139.59*	
26 05 36 00-0717	EA	24" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,035.88	549.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-157.78*	
26 05 36 00-0718	EA	30" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,219.93	604.11
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-171.65*	
26 05 36 00-0719	EA	36" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,427.89	672.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-186.71*	
26 05 36 00-0720		**Dropout Or End Plates And Reducers** *(26 05 36 00-0002)*		
26 05 36 00-0721		**Straight Reducers** *(26 05 36 00-0720)*		
26 05 36 00-0722	EA	9" To 6" Reducer, Steel Cable Tray	286.66	93.04
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.91*	
26 05 36 00-0723	EA	12" To 9" Reducer, Steel Cable Tray	302.33	100.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0724	EA	18" To 12" Reducer, Steel Cable Tray	328.25	116.24
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.13*	
26 05 36 00-0725	EA	24" To 18" Reducer, Steel Cable Tray	361.44	134.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.94*	
26 05 36 00-0726	EA	30" To 24" Reducer, Steel Cable Tray	392.28	151.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.62*	
26 05 36 00-0727	EA	36" To 30" Reducer, Steel Cable Tray	445.39	172.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.13*	
26 05 36 00-0728		**Reducers** *(26 05 36 00-0720)*		
26 05 36 00-0729	EA	18" To 6" Reducer, Steel Cable Tray	334.09	116.36
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.71*	
26 05 36 00-0730	EA	24" To 12" Reducer, Steel Cable Tray	367.48	134.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.52*	
26 05 36 00-0731	EA	30" To 12" Reducer, Steel Cable Tray	403.52	151.15
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.76*	
26 05 36 00-0732	EA	30" To 18" Reducer, Steel Cable Tray	409.04	151.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.32*	
26 05 36 00-0733	EA	36" To 12" Reducer, Steel Cable Tray	448.25	172.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.42*	
26 05 36 00-0734	EA	36" To 18" Reducer, Steel Cable Tray	461.54	177.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.37*	
26 05 36 00-0735	EA	36" To 24" Reducer, Steel Cable Tray	476.70	183.05
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.42*	
26 05 36 00-0736		**Dropout Or End Plate** *(26 05 36 00-0720)*		
26 05 36 00-0737	EA	6" Dropout Or End Plate, Steel Cable Tray	77.76	37.82
26 05 36 00-0738	EA	9" Dropout Or End Plate, Steel Cable Tray	89.29	43.24
26 05 36 00-0739	EA	12" Dropout Or End Plate, Steel Cable Tray	96.41	46.52
26 05 36 00-0740	EA	18" Dropout Or End Plate, Steel Cable Tray	113.80	54.97
26 05 36 00-0741	EA	24" Dropout Or End Plate, Steel Cable Tray	127.73	60.51
26 05 36 00-0742	EA	30" Dropout Or End Plate, Steel Cable Tray	141.54	67.19
26 05 36 00-0743	EA	36" Dropout Or End Plate, Steel Cable Tray	159.82	75.64
26 05 36 00-0744		**Ladder Bottom Aluminum Cable Tray** *(26 05 36 00-0001)* Note: 4-5/8" Height		
26 05 36 00-0745		**Straight Tray Sections** *(26 05 36 00-0744)*		
26 05 36 00-0746		**4" Rung Spacing** *(26 05 36 00-0745)*		
26 05 36 00-0747	LF	6" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	118.41	8.83
		For Class 12C Instead Of Class 12B, Add	*16.29*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.10*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.92*	
26 05 36 00-0748	LF	9" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	125.22	9.33
		For Class 12C Instead Of Class 12B, Add	*17.23*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.75*	
		For 6" Overall Height Instead Of 4-5/8", Add	*6.26*	
26 05 36 00-0749	LF	12" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	132.00	9.71
		For Class 12C Instead Of Class 12B, Add	*18.18*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.39*	
		For 6" Overall Height Instead Of 4-5/8", Add	*6.60*	
26 05 36 00-0750	LF	18" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	146.68	10.59
		For Class 12C Instead Of Class 12B, Add	*20.23*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.78*	
		For 6" Overall Height Instead Of 4-5/8", Add	*7.33*	
26 05 36 00-0751	LF	24" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	169.48	11.34
		For Class 12C Instead Of Class 12B, Add	*23.54*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.01*	
		For 6" Overall Height Instead Of 4-5/8", Add	*8.47*	
26 05 36 00-0752	LF	30" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	185.94	12.11
		For Class 12C Instead Of Class 12B, Add	*25.88*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.59*	
		For 6" Overall Height Instead Of 4-5/8", Add	*9.30*	
26 05 36 00-0753	LF	36" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	200.46	12.86
		For Class 12C Instead Of Class 12B, Add	*27.92*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.97*	
		For 6" Overall Height Instead Of 4-5/8", Add	*10.02*	
26 05 36 00-0754		**6" Rung Spacing** *(26 05 36 00-0745)*		
26 05 36 00-0755	LF	6" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	108.99	8.83
		For Class 12C Instead Of Class 12B, Add	*14.87*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.16*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.45*	
26 05 36 00-0756	LF	9" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	115.24	9.33
		For Class 12C Instead Of Class 12B, Add	*15.74*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.75*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0757	LF	12" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	121.48	9.71
		For Class 12C Instead Of Class 12B, Add	*16.60*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.34*	
		For 6" Overall Height Instead Of 4-5/8", Add	*6.07*	
26 05 36 00-0758	LF	18" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	134.96	10.59
		For Class 12C Instead Of Class 12B, Add	*18.47*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.61*	
		For 6" Overall Height Instead Of 4-5/8", Add	*6.75*	
26 05 36 00-0759	LF	24" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	155.78	11.34
		For Class 12C Instead Of Class 12B, Add	*21.49*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.64*	
		For 6" Overall Height Instead Of 4-5/8", Add	*7.79*	
26 05 36 00-0760	LF	30" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	170.86	12.11
		For Class 12C Instead Of Class 12B, Add	*23.62*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.08*	
		For 6" Overall Height Instead Of 4-5/8", Add	*8.54*	
26 05 36 00-0761	LF	36" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	184.19	12.86
		For Class 12C Instead Of Class 12B, Add	*25.48*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.35*	
		For 6" Overall Height Instead Of 4-5/8", Add	*9.21*	
26 05 36 00-0762		**9" Rung Spacing** *(26 05 36 00-0745)*		
26 05 36 00-0763	LF	6" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	96.88	8.45
		For Class 12C Instead Of Class 12B, Add	*13.12*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-8.98*	
		For 6" Overall Height Instead Of 4-5/8", Add	*4.84*	
26 05 36 00-0764	LF	9" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	97.95	8.83
		For Class 12C Instead Of Class 12B, Add	*13.22*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-9.06*	
		For 6" Overall Height Instead Of 4-5/8", Add	*4.90*	
26 05 36 00-0765	LF	12" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	105.10	9.33
		For Class 12C Instead Of Class 12B, Add	*14.22*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-9.74*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.26*	
26 05 36 00-0766	LF	18" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	112.22	9.96
		For Class 12C Instead Of Class 12B, Add	*15.17*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.39*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.61*	
26 05 36 00-0767	LF	24" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	127.50	10.34
		For Class 12C Instead Of Class 12B, Add	*17.41*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.89*	
		For 6" Overall Height Instead Of 4-5/8", Add	*6.38*	
26 05 36 00-0768	LF	30" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	141.31	11.09
		For Class 12C Instead Of Class 12B, Add	*19.34*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.20*	
		For 6" Overall Height Instead Of 4-5/8", Add	*7.07*	
26 05 36 00-0769	LF	36" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	149.83	12.11
		For Class 12C Instead Of Class 12B, Add	*20.45*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.97*	
		For 6" Overall Height Instead Of 4-5/8", Add	*7.49*	
26 05 36 00-0770		**12" Rung Spacing** *(26 05 36 00-0745)*		
26 05 36 00-0771	LF	6" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	95.00	8.20
		For Class 12C Instead Of Class 12B, Add	*12.89*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-8.82*	
		For 6" Overall Height Instead Of 4-5/8", Add	*4.75*	
26 05 36 00-0772	LF	9" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	95.96	8.45
		For Class 12C Instead Of Class 12B, Add	*12.98*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-8.89*	
		For 6" Overall Height Instead Of 4-5/8", Add	*4.80*	
26 05 36 00-0773	LF	12" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	99.54	8.95
		For Class 12C Instead Of Class 12B, Add	*13.43*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-9.21*	
		For 6" Overall Height Instead Of 4-5/8", Add	*4.98*	
26 05 36 00-0774	LF	18" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	105.47	9.46
		For Class 12C Instead Of Class 12B, Add	*14.24*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-9.76*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.27*	
26 05 36 00-0775	LF	24" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	115.81	9.58
		For Class 12C Instead Of Class 12B, Add	*15.76*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.78*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.79*	
26 05 36 00-0776	LF	30" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	124.23	10.59
		For Class 12C Instead Of Class 12B, Add	*16.88*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.54*	
		For 6" Overall Height Instead Of 4-5/8", Add	*6.21*	
26 05 36 00-0777	LF	36" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	131.22	11.47
		For Class 12C Instead Of Class 12B, Add	*17.78*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.17*	
		For 6" Overall Height Instead Of 4-5/8", Add	*6.56*	
26 05 36 00-0778		**18" Rung Spacing** *(26 05 36 00-0745)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0779	LF	6" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	94.17	7.95
		For Class 12C Instead Of Class 12B, Add	*12.80*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-8.75*	
		For 6" Overall Height Instead Of 4-5/8", Add	*4.71*	
26 05 36 00-0780	LF	9" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	93.75	8.32
		For Class 12C Instead Of Class 12B, Add	*12.69*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-8.69*	
		For 6" Overall Height Instead Of 4-5/8", Add	*4.69*	
26 05 36 00-0781	LF	12" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	98.91	8.57
		For Class 12C Instead Of Class 12B, Add	*13.40*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-9.17*	
		For 6" Overall Height Instead Of 4-5/8", Add	*4.95*	
26 05 36 00-0782	LF	18" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	104.25	9.08
		For Class 12C Instead Of Class 12B, Add	*14.13*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-9.67*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.21*	
26 05 36 00-0783	LF	24" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	111.38	9.20
		For Class 12C Instead Of Class 12B, Add	*15.18*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.37*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.57*	
26 05 36 00-0784	LF	30" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	115.99	10.08
		For Class 12C Instead Of Class 12B, Add	*15.73*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.76*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.80*	
26 05 36 00-0785	LF	36" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	122.20	10.96
		For Class 12C Instead Of Class 12B, Add	*16.50*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.30*	
		For 6" Overall Height Instead Of 4-5/8", Add	*6.11*	

26 05 36 00-0786 4" Rung Tray Fittings *(26 05 36 00-0744)*

26 05 36 00-0787 90 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-0786)*

26 05 36 00-0788	EA	6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	361.89	126.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.66*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.09*	
26 05 36 00-0789	EA	9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	395.07	143.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.51*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.75*	
26 05 36 00-0790	EA	12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	449.03	159.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.64*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.45*	
26 05 36 00-0791	EA	18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	531.96	195.15
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.93*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.60*	
26 05 36 00-0792	EA	24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	629.90	224.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.32*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.50*	
26 05 36 00-0793	EA	30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	692.01	252.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.19*	
		For 6" Overall Height Instead Of 4-5/8", Add	*34.60*	
26 05 36 00-0794	EA	36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	809.50	288.19
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.94*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.48*	

26 05 36 00-0795 90 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-0786)*

26 05 36 00-0796	EA	6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	487.14	131.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.76*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.36*	
26 05 36 00-0797	EA	9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	531.38	151.15
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.54*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.57*	
26 05 36 00-0798	EA	12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	572.99	168.05
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.29*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.65*	
26 05 36 00-0799	EA	18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	665.59	208.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.17*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.28*	
26 05 36 00-0800	EA	24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	751.90	242.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.01*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.60*	
26 05 36 00-0801	EA	30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	838.98	274.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.99*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.95*	
26 05 36 00-0802	EA	36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	959.33	318.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.40*	
		For 6" Overall Height Instead Of 4-5/8", Add	*47.97*	

26 05 36 00-0803 90 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-0786)*

26 05 36 00-0804	EA	6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	523.81	137.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.93*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0805	EA	9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	567.48	159.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.49*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.37*	
26 05 36 00-0806	EA	12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	633.63	178.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.52*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.68*	
26 05 36 00-0807	EA	18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	752.39	224.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.57*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.62*	
26 05 36 00-0808	EA	24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	867.08	262.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.79*	
		For 6" Overall Height Instead Of 4-5/8", Add	*43.35*	
26 05 36 00-0809	EA	30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	975.11	302.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.30*	
		For 6" Overall Height Instead Of 4-5/8", Add	*48.76*	
26 05 36 00-0810	EA	36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,132.17	355.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.60*	
		For 6" Overall Height Instead Of 4-5/8", Add	*56.61*	

26 05 36 00-0811 45 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-0786)*

26 05 36 00-0812	EA	6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	252.22	91.65
		For 60 Degree Bend, Deduct	*-48.11*	
		For 30 Degree Bend, Deduct	*-85.28*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.59*	
		For 6" Overall Height Instead Of 4-5/8", Add	*12.61*	
26 05 36 00-0813	EA	9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	286.49	109.93
		For 60 Degree Bend, Deduct	*-52.42*	
		For 30 Degree Bend, Deduct	*-93.47*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.49*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.32*	
26 05 36 00-0814	EA	12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	317.30	126.07
		For 60 Degree Bend, Deduct	*-56.38*	
		For 30 Degree Bend, Deduct	*-100.97*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.22*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.87*	
26 05 36 00-0815	EA	18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	391.83	159.35
		For 60 Degree Bend, Deduct	*-68.24*	
		For 30 Degree Bend, Deduct	*-122.58*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.91*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.59*	
26 05 36 00-0816	EA	24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	482.20	195.15
		For 60 Degree Bend, Deduct	*-84.32*	
		For 30 Degree Bend, Deduct	*-151.37*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.96*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.11*	
26 05 36 00-0817	EA	30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	553.34	224.03
		For 60 Degree Bend, Deduct	*-96.72*	
		For 30 Degree Bend, Deduct	*-173.64*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.66*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.67*	
26 05 36 00-0818	EA	36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	625.91	262.98
		For 60 Degree Bend, Deduct	*-105.73*	
		For 30 Degree Bend, Deduct	*-190.83*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.67*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.30*	

26 05 36 00-0819 45 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-0786)*

26 05 36 00-0820	EA	6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	291.48	94.55
		For 60 Degree Bend, Deduct	*-59.96*	
		For 30 Degree Bend, Deduct	*-105.19*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.27*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.57*	
26 05 36 00-0821	EA	9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	339.26	113.96
		For 60 Degree Bend, Deduct	*-68.26*	
		For 30 Degree Bend, Deduct	*-120.10*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.43*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.96*	
26 05 36 00-0822	EA	12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	372.45	131.61
		For 60 Degree Bend, Deduct	*-72.46*	
		For 30 Degree Bend, Deduct	*-128.08*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.28*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.62*	
26 05 36 00-0823	EA	18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	444.75	168.05
		For 60 Degree Bend, Deduct	*-82.33*	
		For 30 Degree Bend, Deduct	*-146.56*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.47*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.24*	
26 05 36 00-0824	EA	24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	539.27	208.76
		For 60 Degree Bend, Deduct	*-97.95*	
		For 30 Degree Bend, Deduct	*-174.84*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.53*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0825	EA	30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	633.23	242.17
		For 60 Degree Bend, Deduct	*-116.15*	
		For 30 Degree Bend, Deduct	*-207.03*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.15*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.66*	
26 05 36 00-0826	EA	36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	721.60	288.31
		For 60 Degree Bend, Deduct	*-127.63*	
		For 30 Degree Bend, Deduct	*-228.73*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.14*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.08*	

26 05 36 00-0827 45 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-0786)*

26 05 36 00-0828	EA	6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	342.47	97.58
		For 60 Degree Bend, Deduct	*-75.63*	
		For 30 Degree Bend, Deduct	*-131.47*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.12*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.12*	
26 05 36 00-0829	EA	9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	381.21	118.50
		For 60 Degree Bend, Deduct	*-80.38*	
		For 30 Degree Bend, Deduct	*-140.55*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.25*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.06*	
26 05 36 00-0830	EA	12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	416.79	137.54
		For 60 Degree Bend, Deduct	*-84.82*	
		For 30 Degree Bend, Deduct	*-149.01*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.22*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.84*	
26 05 36 00-0831	EA	18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	503.48	178.01
		For 60 Degree Bend, Deduct	*-97.89*	
		For 30 Degree Bend, Deduct	*-173.04*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.51*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.17*	
26 05 36 00-0832	EA	24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	626.07	224.03
		For 60 Degree Bend, Deduct	*-120.72*	
		For 30 Degree Bend, Deduct	*-213.64*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.94*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.30*	
26 05 36 00-0833	EA	30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	706.30	262.98
		For 60 Degree Bend, Deduct	*-132.26*	
		For 30 Degree Bend, Deduct	*-235.05*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.71*	
		For 6" Overall Height Instead Of 4-5/8", Add	*35.32*	
26 05 36 00-0834	EA	36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	825.35	318.32
		For 60 Degree Bend, Deduct	*-150.33*	
		For 30 Degree Bend, Deduct	*-268.24*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.01*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.27*	

26 05 36 00-0835 90 Degree, 12" Radius Vertical Risers *(26 05 36 00-0786)*

26 05 36 00-0836	EA	6" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	398.10	126.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.30*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.91*	
26 05 36 00-0837	EA	9" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	438.28	143.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.83*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.91*	
26 05 36 00-0838	EA	12" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	466.94	159.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.43*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.35*	
26 05 36 00-0839	EA	18" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	533.74	195.15
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.11*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.69*	
26 05 36 00-0840	EA	24" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	592.16	224.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.55*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.61*	
26 05 36 00-0841	EA	30" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	649.22	252.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.91*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.46*	
26 05 36 00-0842	EA	36" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	715.54	287.81
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.57*	
		For 6" Overall Height Instead Of 4-5/8", Add	*35.78*	

26 05 36 00-0843 90 Degree, 24" Radius Vertical Risers *(26 05 36 00-0786)*

26 05 36 00-0844	EA	6" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	422.54	131.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.30*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.13*	
26 05 36 00-0845	EA	9" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	464.05	151.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.80*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.20*	
26 05 36 00-0846	EA	12" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	497.18	168.05
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.71*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0847	EA	18" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	576.87	208.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.29*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.84*	
26 05 36 00-0848	EA	24" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	646.22	242.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.44*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.31*	
26 05 36 00-0849	EA	30" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	714.43	274.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.54*	
		For 6" Overall Height Instead Of 4-5/8", Add	*35.72*	
26 05 36 00-0850	EA	36" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	804.02	318.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.87*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.20*	

26 05 36 00-0851 90 Degree, 36" Radius Vertical Risers *(26 05 36 00-0786)*

26 05 36 00-0852	EA	6" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	543.49	137.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.90*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.17*	
26 05 36 00-0853	EA	9" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	586.57	159.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.39*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.33*	
26 05 36 00-0854	EA	12" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	638.55	178.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.02*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.93*	
26 05 36 00-0855	EA	18" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	728.88	224.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.22*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.44*	
26 05 36 00-0856	EA	24" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	807.47	262.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.83*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.37*	
26 05 36 00-0857	EA	30" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	900.74	302.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.86*	
		For 6" Overall Height Instead Of 4-5/8", Add	*45.04*	
26 05 36 00-0858	EA	36" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,005.98	355.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.98*	
		For 6" Overall Height Instead Of 4-5/8", Add	*50.30*	

26 05 36 00-0859 12" Radius Horizontal Tees *(26 05 36 00-0786)*

26 05 36 00-0860	EA	6" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	620.38	242.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.86*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.02*	
26 05 36 00-0861	EA	9" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	669.39	262.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.02*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.47*	
26 05 36 00-0862	EA	12" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	692.69	274.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.36*	
		For 6" Overall Height Instead Of 4-5/8", Add	*34.63*	
26 05 36 00-0863	EA	18" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	785.08	302.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.29*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.25*	
26 05 36 00-0864	EA	24" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	869.05	335.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.92*	
		For 6" Overall Height Instead Of 4-5/8", Add	*43.45*	
26 05 36 00-0865	EA	30" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	952.55	356.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.58*	
		For 6" Overall Height Instead Of 4-5/8", Add	*47.63*	
26 05 36 00-0866	EA	36" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,102.10	403.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-76.61*	
		For 6" Overall Height Instead Of 4-5/8", Add	*55.11*	

26 05 36 00-0867 24" Radius Horizontal Tees *(26 05 36 00-0786)*

26 05 36 00-0868	EA	6" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	808.01	262.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.88*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.40*	
26 05 36 00-0869	EA	9" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	871.44	288.31
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.12*	
		For 6" Overall Height Instead Of 4-5/8", Add	*43.57*	
26 05 36 00-0870	EA	12" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	905.94	302.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.38*	
		For 6" Overall Height Instead Of 4-5/8", Add	*45.30*	
26 05 36 00-0871	EA	18" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	997.01	335.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-71.71*	
		For 6" Overall Height Instead Of 4-5/8", Add	*49.85*	
26 05 36 00-0872	EA	24" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,106.65	378.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-79.15*	
		For 6" Overall Height Instead Of 4-5/8", Add	*55.33*	
26 05 36 00-0873	EA	30" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,194.52	403.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-85.85*	
		For 6" Overall Height Instead Of 4-5/8", Add	*59.73*	
26 05 36 00-0874	EA	36" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,576.06	465.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-118.79*	
		For 6" Overall Height Instead Of 4-5/8", Add	*78.80*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 05 36 00-0875 36" Radius Horizontal Tees *(26 05 36 00-0786)*

26 05 36 00-0876	EA	6" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,002.96	288.31
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-76.27*	
		For 6" Overall Height Instead Of 4-5/8", Add	*50.15*	
26 05 36 00-0877	EA	9" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,067.33	318.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-80.20*	
		For 6" Overall Height Instead Of 4-5/8", Add	*53.37*	
26 05 36 00-0878	EA	12" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,146.30	335.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-86.64*	
		For 6" Overall Height Instead Of 4-5/8", Add	*57.32*	
26 05 36 00-0879	EA	18" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,248.83	378.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-93.37*	
		For 6" Overall Height Instead Of 4-5/8", Add	*62.44*	
26 05 36 00-0880	EA	24" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,402.04	431.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-104.23*	
		For 6" Overall Height Instead Of 4-5/8", Add	*70.10*	
26 05 36 00-0881	EA	30" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,640.04	465.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-125.19*	
		For 6" Overall Height Instead Of 4-5/8", Add	*82.00*	
26 05 36 00-0882	EA	36" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,875.92	549.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-141.78*	
		For 6" Overall Height Instead Of 4-5/8", Add	*93.80*	

26 05 36 00-0883 12" Radius Vertical Tees *(26 05 36 00-0786)*

26 05 36 00-0884	EA	6" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	860.40	224.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.37*	
		For 6" Overall Height Instead Of 4-5/8", Add	*43.02*	
26 05 36 00-0885	EA	9" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	889.32	232.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.53*	
		For 6" Overall Height Instead Of 4-5/8", Add	*44.47*	
26 05 36 00-0886	EA	12" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	908.30	242.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.65*	
		For 6" Overall Height Instead Of 4-5/8", Add	*45.42*	
26 05 36 00-0887	EA	18" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	953.75	262.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.46*	
		For 6" Overall Height Instead Of 4-5/8", Add	*47.69*	
26 05 36 00-0888	EA	24" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,016.16	274.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-78.71*	
		For 6" Overall Height Instead Of 4-5/8", Add	*50.81*	
26 05 36 00-0889	EA	30" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,073.00	302.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-82.09*	
		For 6" Overall Height Instead Of 4-5/8", Add	*53.65*	
26 05 36 00-0890	EA	36" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,146.30	335.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-86.64*	
		For 6" Overall Height Instead Of 4-5/8", Add	*57.32*	

26 05 36 00-0891 24" Radius Vertical Tees *(26 05 36 00-0786)*

26 05 36 00-0892	EA	6" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,228.21	242.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-102.64*	
		For 6" Overall Height Instead Of 4-5/8", Add	*61.41*	
26 05 36 00-0893	EA	9" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,255.54	252.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-104.54*	
		For 6" Overall Height Instead Of 4-5/8", Add	*62.78*	
26 05 36 00-0894	EA	12" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,284.33	262.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-106.52*	
		For 6" Overall Height Instead Of 4-5/8", Add	*64.22*	
26 05 36 00-0895	EA	18" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,351.31	288.31
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-111.11*	
		For 6" Overall Height Instead Of 4-5/8", Add	*67.57*	
26 05 36 00-0896	EA	24" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,396.47	302.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-114.43*	
		For 6" Overall Height Instead Of 4-5/8", Add	*69.82*	
26 05 36 00-0897	EA	30" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,473.32	335.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-119.34*	
		For 6" Overall Height Instead Of 4-5/8", Add	*73.67*	
26 05 36 00-0898	EA	36" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,625.62	378.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-131.05*	
		For 6" Overall Height Instead Of 4-5/8", Add	*81.28*	

26 05 36 00-0899 36" Radius Vertical Tee *(26 05 36 00-0786)*

26 05 36 00-0900	EA	6" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,007.15	262.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-178.80*	
		For 6" Overall Height Instead Of 4-5/8", Add	*100.36*	
26 05 36 00-0901	EA	9" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,047.26	274.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-181.82*	
		For 6" Overall Height Instead Of 4-5/8", Add	*102.36*	
26 05 36 00-0902	EA	12" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,089.98	288.31
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-184.98*	
		For 6" Overall Height Instead Of 4-5/8", Add	*104.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0903	EA	18" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,160.54	318.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-189.52*	
		For 6" Overall Height Instead Of 4-5/8", Add	*108.03*	
26 05 36 00-0904	EA	24" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,210.11	335.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-193.02*	
		For 6" Overall Height Instead Of 4-5/8", Add	*110.51*	
26 05 36 00-0905	EA	30" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,341.76	378.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-202.66*	
		For 6" Overall Height Instead Of 4-5/8", Add	*117.09*	
26 05 36 00-0906	EA	36" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,451.34	431.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-209.16*	
		For 6" Overall Height Instead Of 4-5/8", Add	*122.57*	
26 05 36 00-0907		**12" Radius Horizontal Crosses** *(26 05 36 00-0786)*		
26 05 36 00-0908	EA	6" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	806.41	302.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.43*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.32*	
26 05 36 00-0909	EA	9" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	864.72	318.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.94*	
		For 6" Overall Height Instead Of 4-5/8", Add	*43.24*	
26 05 36 00-0910	EA	12" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	897.48	335.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.76*	
		For 6" Overall Height Instead Of 4-5/8", Add	*44.87*	
26 05 36 00-0911	EA	18" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,002.31	356.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.55*	
		For 6" Overall Height Instead Of 4-5/8", Add	*50.12*	
26 05 36 00-0912	EA	24" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,094.99	403.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.90*	
		For 6" Overall Height Instead Of 4-5/8", Add	*54.75*	
26 05 36 00-0913	EA	30" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,217.20	431.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-85.74*	
		For 6" Overall Height Instead Of 4-5/8", Add	*60.86*	
26 05 36 00-0914	EA	36" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,398.33	465.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-101.02*	
		For 6" Overall Height Instead Of 4-5/8", Add	*69.92*	
26 05 36 00-0915		**24" Radius Horizontal Crosses** *(26 05 36 00-0786)*		
26 05 36 00-0916	EA	6" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,139.19	335.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-85.93*	
		For 6" Overall Height Instead Of 4-5/8", Add	*56.96*	
26 05 36 00-0917	EA	9" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,190.71	356.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-89.39*	
		For 6" Overall Height Instead Of 4-5/8", Add	*59.54*	
26 05 36 00-0918	EA	12" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,245.28	378.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-93.01*	
		For 6" Overall Height Instead Of 4-5/8", Add	*62.26*	
26 05 36 00-0919	EA	18" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,318.93	403.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-98.29*	
		For 6" Overall Height Instead Of 4-5/8", Add	*65.95*	
26 05 36 00-0920	EA	24" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,480.08	465.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-109.19*	
		For 6" Overall Height Instead Of 4-5/8", Add	*74.00*	
26 05 36 00-0921	EA	30" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,628.66	504.27
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-120.84*	
		For 6" Overall Height Instead Of 4-5/8", Add	*81.43*	
26 05 36 00-0922	EA	36" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,804.79	549.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-134.67*	
		For 6" Overall Height Instead Of 4-5/8", Add	*90.24*	
26 05 36 00-0923		**36" Radius Horizontal Crosses** *(26 05 36 00-0786)*		
26 05 36 00-0924	EA	6" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,312.82	378.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-99.77*	
		For 6" Overall Height Instead Of 4-5/8", Add	*65.64*	
26 05 36 00-0925	EA	9" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,415.60	403.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-107.96*	
		For 6" Overall Height Instead Of 4-5/8", Add	*70.78*	
26 05 36 00-0926	EA	12" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,507.77	431.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-114.80*	
		For 6" Overall Height Instead Of 4-5/8", Add	*75.39*	
26 05 36 00-0927	EA	18" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,579.61	465.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-119.15*	
		For 6" Overall Height Instead Of 4-5/8", Add	*78.98*	
26 05 36 00-0928	EA	24" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,911.47	549.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-145.34*	
		For 6" Overall Height Instead Of 4-5/8", Add	*95.57*	
26 05 36 00-0929	EA	30" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,108.84	604.11
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-160.54*	
		For 6" Overall Height Instead Of 4-5/8", Add	*105.44*	
26 05 36 00-0930	EA	36" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,347.91	672.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-178.71*	
		For 6" Overall Height Instead Of 4-5/8", Add	*117.40*	

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CSI		MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0931			12" Radius Vertical Cross *(26 05 36 00-0786)*		
26 05 36 00-0932		EA	6" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	806.41	302.56
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.43*	
			For 6" Overall Height Instead Of 4-5/8", Add	*40.32*	
26 05 36 00-0933		EA	9" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	864.90	318.45
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.95*	
			For 6" Overall Height Instead Of 4-5/8", Add	*43.25*	
26 05 36 00-0934		EA	12" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	897.38	335.84
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.75*	
			For 6" Overall Height Instead Of 4-5/8", Add	*44.87*	
26 05 36 00-0935		EA	18" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,002.53	356.27
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.57*	
			For 6" Overall Height Instead Of 4-5/8", Add	*50.13*	
26 05 36 00-0936		EA	24" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,094.99	403.17
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.90*	
			For 6" Overall Height Instead Of 4-5/8", Add	*54.75*	
26 05 36 00-0937		EA	30" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,217.53	431.91
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-85.76*	
			For 6" Overall Height Instead Of 4-5/8", Add	*60.88*	
26 05 36 00-0938		EA	36" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,397.37	465.19
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-100.97*	
			For 6" Overall Height Instead Of 4-5/8", Add	*69.87*	
26 05 36 00-0939			24" Radius Vertical Crosses *(26 05 36 00-0786)*		
26 05 36 00-0940		EA	6" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,139.19	335.84
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-85.93*	
			For 6" Overall Height Instead Of 4-5/8", Add	*56.96*	
26 05 36 00-0941		EA	9" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,190.71	356.14
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-89.39*	
			For 6" Overall Height Instead Of 4-5/8", Add	*59.54*	
26 05 36 00-0942		EA	12" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,245.28	378.20
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-93.01*	
			For 6" Overall Height Instead Of 4-5/8", Add	*62.26*	
26 05 36 00-0943		EA	18" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,318.93	403.17
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-98.29*	
			For 6" Overall Height Instead Of 4-5/8", Add	*65.95*	
26 05 36 00-0944		EA	24" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,480.08	465.82
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-109.19*	
			For 6" Overall Height Instead Of 4-5/8", Add	*74.00*	
26 05 36 00-0945		EA	30" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,594.02	504.27
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-117.38*	
			For 6" Overall Height Instead Of 4-5/8", Add	*79.70*	
26 05 36 00-0946		EA	36" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,765.73	549.66
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-130.76*	
			For 6" Overall Height Instead Of 4-5/8", Add	*88.29*	
26 05 36 00-0947			36" Radius Vertical Crosses *(26 05 36 00-0786)*		
26 05 36 00-0948		EA	6" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,619.93	378.20
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-130.48*	
			For 6" Overall Height Instead Of 4-5/8", Add	*81.00*	
26 05 36 00-0949		EA	9" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,702.82	403.17
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-136.68*	
			For 6" Overall Height Instead Of 4-5/8", Add	*85.14*	
26 05 36 00-0950		EA	12" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,812.23	431.78
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-145.25*	
			For 6" Overall Height Instead Of 4-5/8", Add	*90.61*	
26 05 36 00-0951		EA	18" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,941.11	465.82
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-155.30*	
			For 6" Overall Height Instead Of 4-5/8", Add	*97.06*	
26 05 36 00-0952		EA	24" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,359.34	549.66
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-190.12*	
			For 6" Overall Height Instead Of 4-5/8", Add	*117.97*	
26 05 36 00-0953		EA	30" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,604.71	604.11
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-210.12*	
			For 6" Overall Height Instead Of 4-5/8", Add	*130.24*	
26 05 36 00-0954		EA	36" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,899.76	672.95
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-233.90*	
			For 6" Overall Height Instead Of 4-5/8", Add	*144.99*	
26 05 36 00-0955			6" Rung Tray Fittings *(26 05 36 00-0744)*		
26 05 36 00-0956			90 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-0955)*		
26 05 36 00-0957		EA	6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	340.28	126.45
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.49*	
			For 6" Overall Height Instead Of 4-5/8", Add	*17.01*	
26 05 36 00-0958		EA	9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	372.93	143.97
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.29*	
			For 6" Overall Height Instead Of 4-5/8", Add	*18.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0959	EA	12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	422.78	159.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.01*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.14*	
26 05 36 00-0960	EA	18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	502.43	195.15
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.98*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.12*	
26 05 36 00-0961	EA	24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	593.26	224.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.66*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.66*	
26 05 36 00-0962	EA	30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	653.18	252.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.31*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.66*	
26 05 36 00-0963	EA	36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	762.47	288.19
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.23*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.12*	

26 05 36 00-0964 90 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-0955)*

26 05 36 00-0965	EA	6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	448.86	131.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.93*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.44*	
26 05 36 00-0966	EA	9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	491.46	151.15
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.55*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.57*	
26 05 36 00-0967	EA	12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	531.16	168.05
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.11*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.56*	
26 05 36 00-0968	EA	18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	620.20	208.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.63*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.01*	
26 05 36 00-0969	EA	24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	702.13	242.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.04*	
		For 6" Overall Height Instead Of 4-5/8", Add	*35.11*	
26 05 36 00-0970	EA	30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	784.56	274.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.55*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.23*	
26 05 36 00-0971	EA	36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	898.08	318.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.28*	
		For 6" Overall Height Instead Of 4-5/8", Add	*44.90*	

26 05 36 00-0972 90 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-0955)*

26 05 36 00-0973	EA	6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	481.70	137.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.72*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.09*	
26 05 36 00-0974	EA	9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	524.28	159.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.17*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.21*	
26 05 36 00-0975	EA	12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	585.51	178.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.71*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.28*	
26 05 36 00-0976	EA	18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	698.25	224.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.15*	
		For 6" Overall Height Instead Of 4-5/8", Add	*34.91*	
26 05 36 00-0977	EA	24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	805.83	262.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.67*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.29*	
26 05 36 00-0978	EA	30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	907.85	302.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.57*	
		For 6" Overall Height Instead Of 4-5/8", Add	*45.39*	
26 05 36 00-0979	EA	36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,055.06	355.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.89*	
		For 6" Overall Height Instead Of 4-5/8", Add	*52.75*	

26 05 36 00-0980 45 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-0955)*

26 05 36 00-0981	EA	6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	238.00	91.65
		For 60 Degree Bend, Deduct	*-43.42*	
		For 30 Degree Bend, Deduct	*-77.46*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.17*	
		For 6" Overall Height Instead Of 4-5/8", Add	*11.90*	
26 05 36 00-0982	EA	9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	271.72	109.93
		For 60 Degree Bend, Deduct	*-47.55*	
		For 30 Degree Bend, Deduct	*-85.35*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.02*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.59*	
26 05 36 00-0983	EA	12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	301.99	126.07
		For 60 Degree Bend, Deduct	*-51.33*	
		For 30 Degree Bend, Deduct	*-92.55*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.69*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0984	EA	18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	373.79	159.35
		For 60 Degree Bend, Deduct	*-62.28*	
		For 30 Degree Bend, Deduct	*-112.66*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.10*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.69*	
26 05 36 00-0985	EA	24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	459.78	195.15
		For 60 Degree Bend, Deduct	*-76.92*	
		For 30 Degree Bend, Deduct	*-139.04*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.72*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.99*	
26 05 36 00-0986	EA	30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	527.63	224.03
		For 60 Degree Bend, Deduct	*-88.23*	
		For 30 Degree Bend, Deduct	*-159.50*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.09*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.38*	
26 05 36 00-0987	EA	36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	599.12	262.98
		For 60 Degree Bend, Deduct	*-96.89*	
		For 30 Degree Bend, Deduct	*-176.10*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.00*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.96*	
26 05 36 00-0988		**45 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-0955)*		
26 05 36 00-0989	EA	6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	272.34	94.55
		For 60 Degree Bend, Deduct	*-53.65*	
		For 30 Degree Bend, Deduct	*-94.66*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.36*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.62*	
26 05 36 00-0990	EA	9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	317.93	113.96
		For 60 Degree Bend, Deduct	*-61.22*	
		For 30 Degree Bend, Deduct	*-108.37*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.29*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.90*	
26 05 36 00-0991	EA	12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	350.58	131.61
		For 60 Degree Bend, Deduct	*-65.25*	
		For 30 Degree Bend, Deduct	*-116.05*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.09*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.53*	
26 05 36 00-0992	EA	18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	421.24	168.05
		For 60 Degree Bend, Deduct	*-74.57*	
		For 30 Degree Bend, Deduct	*-133.63*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.12*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.06*	
26 05 36 00-0993	EA	24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	511.93	208.76
		For 60 Degree Bend, Deduct	*-88.93*	
		For 30 Degree Bend, Deduct	*-159.81*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.80*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.60*	
26 05 36 00-0994	EA	30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	600.42	242.17
		For 60 Degree Bend, Deduct	*-105.32*	
		For 30 Degree Bend, Deduct	*-188.99*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.86*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.02*	
26 05 36 00-0995	EA	36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	687.15	288.31
		For 60 Degree Bend, Deduct	*-116.26*	
		For 30 Degree Bend, Deduct	*-209.78*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.69*	
		For 6" Overall Height Instead Of 4-5/8", Add	*34.36*	
26 05 36 00-0996		**45 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-0955)*		
26 05 36 00-0997	EA	6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	316.76	97.58
		For 60 Degree Bend, Deduct	*-67.14*	
		For 30 Degree Bend, Deduct	*-117.33*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.55*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.84*	
26 05 36 00-0998	EA	9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	354.96	118.50
		For 60 Degree Bend, Deduct	*-71.72*	
		For 30 Degree Bend, Deduct	*-126.11*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.62*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.75*	
26 05 36 00-0999	EA	12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	390.00	137.54
		For 60 Degree Bend, Deduct	*-75.98*	
		For 30 Degree Bend, Deduct	*-134.27*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.54*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.50*	
26 05 36 00-1000	EA	18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	473.95	178.01
		For 60 Degree Bend, Deduct	*-88.15*	
		For 30 Degree Bend, Deduct	*-156.80*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.56*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.70*	
26 05 36 00-1001	EA	24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	589.98	224.03
		For 60 Degree Bend, Deduct	*-108.81*	
		For 30 Degree Bend, Deduct	*-193.79*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.33*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1002	EA	30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	668.02	262.98
		For 60 Degree Bend, Deduct	*-119.63*	
		For 30 Degree Bend, Deduct	*-213.99*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.89*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.40*	
26 05 36 00-1003	EA	36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	783.24	318.32
		For 60 Degree Bend, Deduct	*-136.43*	
		For 30 Degree Bend, Deduct	*-245.08*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.79*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.16*	

26 05 36 00-1004 90 Degree, 12" Radius Vertical Risers *(26 05 36 00-0955)*

26 05 36 00-1005	EA	6" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	383.06	126.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.80*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.15*	
26 05 36 00-1006	EA	9" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	422.42	143.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.24*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.12*	
26 05 36 00-1007	EA	12" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	450.81	159.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.82*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.54*	
26 05 36 00-1008	EA	18" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	517.06	195.15
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.44*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.85*	
26 05 36 00-1009	EA	24" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	574.66	224.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.80*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.73*	
26 05 36 00-1010	EA	30" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	630.90	252.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.08*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.55*	
26 05 36 00-1011	EA	36" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	696.68	287.81
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.68*	
		For 6" Overall Height Instead Of 4-5/8", Add	*34.83*	

26 05 36 00-1012 90 Degree, 24" Radius Vertical Risers *(26 05 36 00-0955)*

26 05 36 00-1013	EA	6" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	406.27	131.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.67*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.31*	
26 05 36 00-1014	EA	9" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	447.09	151.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.10*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.35*	
26 05 36 00-1015	EA	12" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	479.82	168.05
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.97*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.99*	
26 05 36 00-1016	EA	18" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	558.55	208.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.46*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.93*	
26 05 36 00-1017	EA	24" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	626.80	242.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.50*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.34*	
26 05 36 00-1018	EA	30" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	693.92	274.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.49*	
		For 6" Overall Height Instead Of 4-5/8", Add	*34.70*	
26 05 36 00-1019	EA	36" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	782.14	318.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.68*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.11*	

26 05 36 00-1020 90 Degree, 36" Radius Vertical Risers *(26 05 36 00-0955)*

26 05 36 00-1021	EA	6" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	518.34	137.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.38*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.92*	
26 05 36 00-1022	EA	9" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	560.87	159.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.82*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.04*	
26 05 36 00-1023	EA	12" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	611.21	178.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.28*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.56*	
26 05 36 00-1024	EA	18" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	700.44	224.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.37*	
		For 6" Overall Height Instead Of 4-5/8", Add	*35.02*	
26 05 36 00-1025	EA	24" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	777.94	262.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.88*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.90*	
26 05 36 00-1026	EA	30" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	869.02	302.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.69*	
		For 6" Overall Height Instead Of 4-5/8", Add	*43.45*	
26 05 36 00-1027	EA	36" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	972.90	355.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.67*	
		For 6" Overall Height Instead Of 4-5/8", Add	*48.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 05 36 00-1028 12" Radius Horizontal Tees *(26 05 36 00-0955)*

26 05 36 00-1029	EA	6" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	603.70	242.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.19*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.19*	
26 05 36 00-1030	EA	9" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	651.61	262.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.24*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.58*	
26 05 36 00-1031	EA	12" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	674.65	274.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.56*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.73*	
26 05 36 00-1032	EA	18" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	763.48	302.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.13*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.17*	
26 05 36 00-1033	EA	24" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	845.26	335.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.54*	
		For 6" Overall Height Instead Of 4-5/8", Add	*42.26*	
26 05 36 00-1034	EA	30" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	924.93	356.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.82*	
		For 6" Overall Height Instead Of 4-5/8", Add	*46.25*	
26 05 36 00-1035	EA	36" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,069.02	403.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.30*	
		For 6" Overall Height Instead Of 4-5/8", Add	*53.45*	

26 05 36 00-1036 24" Radius Horizontal Tees *(26 05 36 00-0955)*

26 05 36 00-1037	EA	6" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	779.58	262.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.04*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.98*	
26 05 36 00-1038	EA	9" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	841.36	288.31
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.11*	
		For 6" Overall Height Instead Of 4-5/8", Add	*42.07*	
26 05 36 00-1039	EA	12" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	875.04	302.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.29*	
		For 6" Overall Height Instead Of 4-5/8", Add	*43.75*	
26 05 36 00-1040	EA	18" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	963.38	335.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.35*	
		For 6" Overall Height Instead Of 4-5/8", Add	*48.17*	
26 05 36 00-1041	EA	24" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,070.01	378.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.48*	
		For 6" Overall Height Instead Of 4-5/8", Add	*53.50*	
26 05 36 00-1042	EA	30" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,154.33	403.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-81.83*	
		For 6" Overall Height Instead Of 4-5/8", Add	*57.72*	
26 05 36 00-1043	EA	36" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,514.54	465.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-112.64*	
		For 6" Overall Height Instead Of 4-5/8", Add	*75.73*	

26 05 36 00-1044 36" Radius Horizontal Tees *(26 05 36 00-0955)*

26 05 36 00-1045	EA	6" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	962.77	288.31
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.26*	
		For 6" Overall Height Instead Of 4-5/8", Add	*48.14*	
26 05 36 00-1046	EA	9" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,026.04	318.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-76.07*	
		For 6" Overall Height Instead Of 4-5/8", Add	*51.30*	
26 05 36 00-1047	EA	12" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,101.19	335.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-82.13*	
		For 6" Overall Height Instead Of 4-5/8", Add	*55.06*	
26 05 36 00-1048	EA	18" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,201.26	378.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-88.61*	
		For 6" Overall Height Instead Of 4-5/8", Add	*60.06*	
26 05 36 00-1049	EA	24" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,349.54	431.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-98.98*	
		For 6" Overall Height Instead Of 4-5/8", Add	*67.48*	
26 05 36 00-1050	EA	30" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,573.60	465.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-118.55*	
		For 6" Overall Height Instead Of 4-5/8", Add	*78.68*	
26 05 36 00-1051	EA	36" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,802.10	549.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-134.40*	
		For 6" Overall Height Instead Of 4-5/8", Add	*90.11*	

26 05 36 00-1052 12" Radius Vertical Tees *(26 05 36 00-0955)*

26 05 36 00-1053	EA	6" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	822.94	224.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.62*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.15*	
26 05 36 00-1054	EA	9" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	850.77	232.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.67*	
		For 6" Overall Height Instead Of 4-5/8", Add	*42.54*	
26 05 36 00-1055	EA	12" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	869.47	242.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.77*	
		For 6" Overall Height Instead Of 4-5/8", Add	*43.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1056	EA	18" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	914.10	262.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.49*	
		For 6" Overall Height Instead Of 4-5/8", Add	*45.71*	
26 05 36 00-1057	EA	24" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	973.23	274.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.42*	
		For 6" Overall Height Instead Of 4-5/8", Add	*48.66*	
26 05 36 00-1058	EA	30" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,029.25	302.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-77.71*	
		For 6" Overall Height Instead Of 4-5/8", Add	*51.46*	
26 05 36 00-1059	EA	36" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,101.19	335.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-82.13*	
		For 6" Overall Height Instead Of 4-5/8", Add	*55.06*	

26 05 36 00-1060 24" Radius Vertical Tees *(26 05 36 00-0955)*

26 05 36 00-1061	EA	6" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,164.77	242.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-96.30*	
		For 6" Overall Height Instead Of 4-5/8", Add	*58.24*	
26 05 36 00-1062	EA	9" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,191.29	252.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-98.12*	
		For 6" Overall Height Instead Of 4-5/8", Add	*59.56*	
26 05 36 00-1063	EA	12" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,219.25	262.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-100.01*	
		For 6" Overall Height Instead Of 4-5/8", Add	*60.96*	
26 05 36 00-1064	EA	18" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,284.32	288.31
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-104.41*	
		For 6" Overall Height Instead Of 4-5/8", Add	*64.22*	
26 05 36 00-1065	EA	24" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,327.84	302.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-107.57*	
		For 6" Overall Height Instead Of 4-5/8", Add	*66.39*	
26 05 36 00-1066	EA	30" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,403.05	335.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-112.32*	
		For 6" Overall Height Instead Of 4-5/8", Add	*70.15*	
26 05 36 00-1067	EA	36" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,549.06	378.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-123.39*	
		For 6" Overall Height Instead Of 4-5/8", Add	*77.45*	

26 05 36 00-1068 36" Radius Vertical Tees *(26 05 36 00-0955)*

26 05 36 00-1069	EA	6" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,886.47	262.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-166.73*	
		For 6" Overall Height Instead Of 4-5/8", Add	*94.32*	
26 05 36 00-1070	EA	9" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,925.02	274.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-169.60*	
		For 6" Overall Height Instead Of 4-5/8", Add	*96.25*	
26 05 36 00-1071	EA	12" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,966.17	288.31
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-172.60*	
		For 6" Overall Height Instead Of 4-5/8", Add	*98.31*	
26 05 36 00-1072	EA	18" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,035.15	318.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-176.99*	
		For 6" Overall Height Instead Of 4-5/8", Add	*101.76*	
26 05 36 00-1073	EA	24" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,083.17	335.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-180.33*	
		For 6" Overall Height Instead Of 4-5/8", Add	*104.16*	
26 05 36 00-1074	EA	30" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,210.11	378.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-189.49*	
		For 6" Overall Height Instead Of 4-5/8", Add	*110.51*	
26 05 36 00-1075	EA	36" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,318.13	431.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-195.84*	
		For 6" Overall Height Instead Of 4-5/8", Add	*115.91*	

26 05 36 00-1076 12" Radius Horizontal Crosses *(26 05 36 00-0955)*

26 05 36 00-1077	EA	6" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	783.17	302.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.10*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.16*	
26 05 36 00-1078	EA	9" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	839.02	318.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.37*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.95*	
26 05 36 00-1079	EA	12" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	871.51	335.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.16*	
		For 6" Overall Height Instead Of 4-5/8", Add	*43.58*	
26 05 36 00-1080	EA	18" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	970.87	356.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.41*	
		For 6" Overall Height Instead Of 4-5/8", Add	*48.54*	
26 05 36 00-1081	EA	24" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,062.46	403.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.65*	
		For 6" Overall Height Instead Of 4-5/8", Add	*53.12*	
26 05 36 00-1082	EA	30" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,178.92	431.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-81.91*	
		For 6" Overall Height Instead Of 4-5/8", Add	*58.95*	
26 05 36 00-1083	EA	36" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,350.48	465.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-96.23*	
		For 6" Overall Height Instead Of 4-5/8", Add	*67.52*	

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CSI		UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1084			**24" Radius Horizontal Crosses** *(26 05 36 00-0955)*		
26 05 36 00-1085		EA	6" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,094.63	335.84
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-81.47*	
			For 6" Overall Height Instead Of 4-5/8", Add	*54.73*	
26 05 36 00-1086		EA	9" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,144.77	356.14
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-84.80*	
			For 6" Overall Height Instead Of 4-5/8", Add	*57.24*	
26 05 36 00-1087		EA	12" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,197.98	378.20
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-88.28*	
			For 6" Overall Height Instead Of 4-5/8", Add	*59.90*	
26 05 36 00-1088		EA	18" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,269.17	403.17
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-93.32*	
			For 6" Overall Height Instead Of 4-5/8", Add	*63.46*	
26 05 36 00-1089		EA	24" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,425.94	465.82
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-103.78*	
			For 6" Overall Height Instead Of 4-5/8", Add	*71.30*	
26 05 36 00-1090		EA	30" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,536.05	504.27
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-111.58*	
			For 6" Overall Height Instead Of 4-5/8", Add	*76.80*	
26 05 36 00-1091		EA	36" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,700.38	549.66
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-124.23*	
			For 6" Overall Height Instead Of 4-5/8", Add	*85.02*	
26 05 36 00-1092			**36" Radius Horizontal Crosses** *(26 05 36 00-0955)*		
26 05 36 00-1093		EA	6" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,260.32	378.20
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-94.52*	
			For 6" Overall Height Instead Of 4-5/8", Add	*63.02*	
26 05 36 00-1094		EA	9" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,328.23	403.17
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-99.22*	
			For 6" Overall Height Instead Of 4-5/8", Add	*66.41*	
26 05 36 00-1095		EA	12" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,415.16	431.78
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-105.54*	
			For 6" Overall Height Instead Of 4-5/8", Add	*70.76*	
26 05 36 00-1096		EA	18" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,517.82	465.82
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-112.97*	
			For 6" Overall Height Instead Of 4-5/8", Add	*75.89*	
26 05 36 00-1097		EA	24" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,834.91	549.66
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-137.68*	
			For 6" Overall Height Instead Of 4-5/8", Add	*91.75*	
26 05 36 00-1098		EA	30" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,024.08	604.11
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-152.06*	
			For 6" Overall Height Instead Of 4-5/8", Add	*101.20*	
26 05 36 00-1099		EA	36" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,253.58	672.95
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-169.28*	
			For 6" Overall Height Instead Of 4-5/8", Add	*112.68*	
26 05 36 00-1100			**12" Radius Vertical Crosses** *(26 05 36 00-0955)*		
26 05 36 00-1101		EA	6" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	783.17	302.56
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.10*	
			For 6" Overall Height Instead Of 4-5/8", Add	*39.16*	
26 05 36 00-1102		EA	9" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	839.20	318.45
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.38*	
			For 6" Overall Height Instead Of 4-5/8", Add	*41.96*	
26 05 36 00-1103		EA	12" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	871.41	335.84
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.16*	
			For 6" Overall Height Instead Of 4-5/8", Add	*43.57*	
26 05 36 00-1104		EA	18" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	971.09	356.27
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.42*	
			For 6" Overall Height Instead Of 4-5/8", Add	*48.55*	
26 05 36 00-1105		EA	24" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,062.46	403.17
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.65*	
			For 6" Overall Height Instead Of 4-5/8", Add	*53.12*	
26 05 36 00-1106		EA	30" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,179.25	431.91
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-81.93*	
			For 6" Overall Height Instead Of 4-5/8", Add	*58.96*	
26 05 36 00-1107		EA	36" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,349.52	465.19
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-96.19*	
			For 6" Overall Height Instead Of 4-5/8", Add	*67.48*	
26 05 36 00-1108			**24" Radius Vertical Crosses** *(26 05 36 00-0955)*		
26 05 36 00-1109		EA	6" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,094.63	335.84
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-81.47*	
			For 6" Overall Height Instead Of 4-5/8", Add	*54.73*	
26 05 36 00-1110		EA	9" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,144.77	356.14
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-84.80*	
			For 6" Overall Height Instead Of 4-5/8", Add	*57.24*	
26 05 36 00-1111		EA	12" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,197.98	378.20
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-88.28*	
			For 6" Overall Height Instead Of 4-5/8", Add	*59.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1112	EA	18" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,269.17	403.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-93.32*	
		For 6" Overall Height Instead Of 4-5/8", Add	*63.46*	
26 05 36 00-1113	EA	24" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,425.94	465.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-103.78*	
		For 6" Overall Height Instead Of 4-5/8", Add	*71.30*	
26 05 36 00-1114	EA	30" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,536.05	504.27
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-111.58*	
		For 6" Overall Height Instead Of 4-5/8", Add	*76.80*	
26 05 36 00-1115	EA	36" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,700.38	549.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-124.23*	
		For 6" Overall Height Instead Of 4-5/8", Add	*85.02*	

26 05 36 00-1116 36" Radius Vertical Crosses *(26 05 36 00-0955)*

26 05 36 00-1117	EA	6" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,543.81	378.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-122.86*	
		For 6" Overall Height Instead Of 4-5/8", Add	*77.19*	
26 05 36 00-1118	EA	9" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,623.53	403.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-128.75*	
		For 6" Overall Height Instead Of 4-5/8", Add	*81.18*	
26 05 36 00-1119	EA	12" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,728.18	431.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-136.84*	
		For 6" Overall Height Instead Of 4-5/8", Add	*86.41*	
26 05 36 00-1120	EA	18" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,851.51	465.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-146.34*	
		For 6" Overall Height Instead Of 4-5/8", Add	*92.58*	
26 05 36 00-1121	EA	24" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,248.33	549.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-179.02*	
		For 6" Overall Height Instead Of 4-5/8", Add	*112.42*	
26 05 36 00-1122	EA	30" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,481.80	604.11
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-197.83*	
		For 6" Overall Height Instead Of 4-5/8", Add	*124.09*	
26 05 36 00-1123	EA	36" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,762.98	672.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-220.22*	
		For 6" Overall Height Instead Of 4-5/8", Add	*138.15*	

26 05 36 00-1124 9" Rung Tray Fittings *(26 05 36 00-0744)*

26 05 36 00-1125 90 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-1124)*

26 05 36 00-1126	EA	6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	318.68	126.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.33*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.93*	
26 05 36 00-1127	EA	9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	350.78	143.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.08*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.54*	
26 05 36 00-1128	EA	12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	396.54	159.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.39*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.83*	
26 05 36 00-1129	EA	18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	472.90	195.15
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.03*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.65*	
26 05 36 00-1130	EA	24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	556.62	224.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.99*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.83*	
26 05 36 00-1131	EA	30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	614.35	252.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.42*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.72*	
26 05 36 00-1132	EA	36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	715.44	288.19
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.53*	
		For 6" Overall Height Instead Of 4-5/8", Add	*35.77*	

26 05 36 00-1133 90 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-1124)*

26 05 36 00-1134	EA	6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	410.58	131.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.10*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.53*	
26 05 36 00-1135	EA	9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	451.54	151.15
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.56*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.58*	
26 05 36 00-1136	EA	12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	489.32	168.05
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.92*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.47*	
26 05 36 00-1137	EA	18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	574.82	208.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.09*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.74*	
26 05 36 00-1138	EA	24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	652.37	242.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.06*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.62*	
26 05 36 00-1139	EA	30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	730.15	274.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.11*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1140	EA	36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	836.83	318.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.15*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.84*	
26 05 36 00-1141		**90 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-1124)*		
26 05 36 00-1142	EA	6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	439.59	137.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.51*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.98*	
26 05 36 00-1143	EA	9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	481.08	159.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.85*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.05*	
26 05 36 00-1144	EA	12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	537.39	178.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.90*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.87*	
26 05 36 00-1145	EA	18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	644.11	224.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.74*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.21*	
26 05 36 00-1146	EA	24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	744.58	262.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.54*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.23*	
26 05 36 00-1147	EA	30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	840.59	302.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.85*	
		For 6" Overall Height Instead Of 4-5/8", Add	*42.03*	
26 05 36 00-1148	EA	36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	977.95	355.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.17*	
		For 6" Overall Height Instead Of 4-5/8", Add	*48.90*	
26 05 36 00-1149		**45 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1124)*		
26 05 36 00-1150	EA	6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	223.78	91.65
		For 60 Degree Bend, Deduct	*-38.73*	
		For 30 Degree Bend, Deduct	*-69.64*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.74*	
		For 6" Overall Height Instead Of 4-5/8", Add	*11.19*	
26 05 36 00-1151	EA	9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	256.96	109.93
		For 60 Degree Bend, Deduct	*-42.68*	
		For 30 Degree Bend, Deduct	*-77.23*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.54*	
		For 6" Overall Height Instead Of 4-5/8", Add	*12.85*	
26 05 36 00-1152	EA	12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	286.68	126.07
		For 60 Degree Bend, Deduct	*-46.28*	
		For 30 Degree Bend, Deduct	*-84.13*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.16*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.33*	
26 05 36 00-1153	EA	18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	355.74	159.35
		For 60 Degree Bend, Deduct	*-56.33*	
		For 30 Degree Bend, Deduct	*-102.73*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.30*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.79*	
26 05 36 00-1154	EA	24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	437.36	195.15
		For 60 Degree Bend, Deduct	*-69.52*	
		For 30 Degree Bend, Deduct	*-126.71*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.47*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.87*	
26 05 36 00-1155	EA	30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	501.93	224.03
		For 60 Degree Bend, Deduct	*-79.75*	
		For 30 Degree Bend, Deduct	*-145.36*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.52*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.10*	
26 05 36 00-1156	EA	36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	572.32	262.98
		For 60 Degree Bend, Deduct	*-88.05*	
		For 30 Degree Bend, Deduct	*-161.36*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.32*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.62*	
26 05 36 00-1157		**45 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-1124)*		
26 05 36 00-1158	EA	6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	253.20	94.55
		For 60 Degree Bend, Deduct	*-47.33*	
		For 30 Degree Bend, Deduct	*-84.14*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.45*	
		For 6" Overall Height Instead Of 4-5/8", Add	*12.66*	
26 05 36 00-1159	EA	9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	296.61	113.96
		For 60 Degree Bend, Deduct	*-54.19*	
		For 30 Degree Bend, Deduct	*-96.65*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.16*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.83*	
26 05 36 00-1160	EA	12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	328.70	131.61
		For 60 Degree Bend, Deduct	*-58.03*	
		For 30 Degree Bend, Deduct	*-104.02*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.90*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1161	EA	18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	397.72	168.05
		For 60 Degree Bend, Deduct	*-66.81*	
		For 30 Degree Bend, Deduct	*-120.69*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.76*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.89*	
26 05 36 00-1162	EA	24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	484.58	208.76
		For 60 Degree Bend, Deduct	*-79.90*	
		For 30 Degree Bend, Deduct	*-144.76*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.06*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.23*	
26 05 36 00-1163	EA	30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	567.61	242.17
		For 60 Degree Bend, Deduct	*-94.49*	
		For 30 Degree Bend, Deduct	*-170.94*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.58*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.38*	
26 05 36 00-1164	EA	36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	652.70	288.31
		For 60 Degree Bend, Deduct	*-104.89*	
		For 30 Degree Bend, Deduct	*-190.83*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.25*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.64*	

26 05 36 00-1165 45 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-1124)*

26 05 36 00-1166	EA	6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	291.06	97.58
		For 60 Degree Bend, Deduct	*-58.66*	
		For 30 Degree Bend, Deduct	*-103.19*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.98*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.55*	
26 05 36 00-1167	EA	9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	328.72	118.50
		For 60 Degree Bend, Deduct	*-63.06*	
		For 30 Degree Bend, Deduct	*-111.68*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.00*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.44*	
26 05 36 00-1168	EA	12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	363.20	137.54
		For 60 Degree Bend, Deduct	*-67.14*	
		For 30 Degree Bend, Deduct	*-119.53*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.86*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.16*	
26 05 36 00-1169	EA	18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	444.42	178.01
		For 60 Degree Bend, Deduct	*-78.40*	
		For 30 Degree Bend, Deduct	*-140.56*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.60*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.22*	
26 05 36 00-1170	EA	24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	553.88	224.03
		For 60 Degree Bend, Deduct	*-96.89*	
		For 30 Degree Bend, Deduct	*-173.94*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.72*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.69*	
26 05 36 00-1171	EA	30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	629.74	262.98
		For 60 Degree Bend, Deduct	*-107.00*	
		For 30 Degree Bend, Deduct	*-192.94*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.06*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.49*	
26 05 36 00-1172	EA	36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	741.13	318.32
		For 60 Degree Bend, Deduct	*-122.54*	
		For 30 Degree Bend, Deduct	*-221.92*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.58*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.06*	

26 05 36 00-1173 90 Degree, 12" Radius Vertical Risers *(26 05 36 00-1124)*

26 05 36 00-1174	EA	6" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	360.51	126.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.55*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.03*	
26 05 36 00-1175	EA	9" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	398.63	143.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.86*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.93*	
26 05 36 00-1176	EA	12" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	426.61	159.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.40*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.33*	
26 05 36 00-1177	EA	18" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	492.04	195.15
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.94*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.60*	
26 05 36 00-1178	EA	24" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	548.41	224.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.17*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.42*	
26 05 36 00-1179	EA	30" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	603.42	252.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.33*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.17*	
26 05 36 00-1180	EA	36" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	668.38	287.81
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.85*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.42*	

26 05 36 00-1181 90 Degree, 24" Radius Vertical Risers *(26 05 36 00-1124)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1182	EA	6" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	381.87	131.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.23*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.09*	
26 05 36 00-1183	EA	9" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	421.67	151.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.56*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.08*	
26 05 36 00-1184	EA	12" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	453.78	168.05
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.37*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.69*	
26 05 36 00-1185	EA	18" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	531.07	208.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.71*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.55*	
26 05 36 00-1186	EA	24" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	597.68	242.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.59*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.88*	
26 05 36 00-1187	EA	30" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	663.16	274.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.41*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.16*	
26 05 36 00-1188	EA	36" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	749.33	318.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.40*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.47*	
26 05 36 00-1189		**90 Degree, 36" Radius Vertical Risers** *(26 05 36 00-1124)*		
26 05 36 00-1190	EA	6" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	480.60	137.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.61*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.03*	
26 05 36 00-1191	EA	9" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	522.31	159.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.97*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.12*	
26 05 36 00-1192	EA	12" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	570.20	178.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.18*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.51*	
26 05 36 00-1193	EA	18" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	657.79	224.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.11*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.89*	
26 05 36 00-1194	EA	24" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	733.64	262.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.45*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.68*	
26 05 36 00-1195	EA	30" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	821.45	302.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.93*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.07*	
26 05 36 00-1196	EA	36" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	923.27	355.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.71*	
		For 6" Overall Height Instead Of 4-5/8", Add	*46.16*	
26 05 36 00-1197		**12" Radius Horizontal Tees** *(26 05 36 00-1124)*		
26 05 36 00-1198	EA	6" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	570.34	242.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.86*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.52*	
26 05 36 00-1199	EA	9" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	616.07	262.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.69*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.80*	
26 05 36 00-1200	EA	12" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	638.55	274.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.95*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.93*	
26 05 36 00-1201	EA	18" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	720.28	302.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.81*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.01*	
26 05 36 00-1202	EA	24" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	797.68	335.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.78*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.88*	
26 05 36 00-1203	EA	30" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	869.70	356.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.29*	
		For 6" Overall Height Instead Of 4-5/8", Add	*43.49*	
26 05 36 00-1204	EA	36" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,002.85	403.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.69*	
		For 6" Overall Height Instead Of 4-5/8", Add	*50.14*	
26 05 36 00-1205		**24" Radius Horizontal Tees** *(26 05 36 00-1124)*		
26 05 36 00-1206	EA	6" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	722.71	262.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.35*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.14*	
26 05 36 00-1207	EA	9" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	781.21	288.31
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.10*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.06*	
26 05 36 00-1208	EA	12" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	813.24	302.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.11*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.66*	
26 05 36 00-1209	EA	18" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	896.12	335.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.62*	
		For 6" Overall Height Instead Of 4-5/8", Add	*44.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1210	EA	24" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	996.73	378.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.16*	
		For 6" Overall Height Instead Of 4-5/8", Add	*49.84*	
26 05 36 00-1211	EA	30" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,073.94	403.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.79*	
		For 6" Overall Height Instead Of 4-5/8", Add	*53.70*	
26 05 36 00-1212	EA	36" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,391.49	465.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-100.34*	
		For 6" Overall Height Instead Of 4-5/8", Add	*69.57*	

26 05 36 00-1213 36" Radius Horizontal Tees *(26 05 36 00-1124)*

26 05 36 00-1214	EA	6" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	882.38	288.31
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.22*	
		For 6" Overall Height Instead Of 4-5/8", Add	*44.12*	
26 05 36 00-1215	EA	9" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	943.47	318.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.82*	
		For 6" Overall Height Instead Of 4-5/8", Add	*47.17*	
26 05 36 00-1216	EA	12" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,010.96	335.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.11*	
		For 6" Overall Height Instead Of 4-5/8", Add	*50.55*	
26 05 36 00-1217	EA	18" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,106.10	378.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-79.09*	
		For 6" Overall Height Instead Of 4-5/8", Add	*55.31*	
26 05 36 00-1218	EA	24" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,244.54	431.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-88.48*	
		For 6" Overall Height Instead Of 4-5/8", Add	*62.23*	
26 05 36 00-1219	EA	30" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,440.71	465.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-105.26*	
		For 6" Overall Height Instead Of 4-5/8", Add	*72.04*	
26 05 36 00-1220	EA	36" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,654.45	549.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-119.64*	
		For 6" Overall Height Instead Of 4-5/8", Add	*82.72*	

26 05 36 00-1221 12" Radius Vertical Tees *(26 05 36 00-1124)*

26 05 36 00-1222	EA	6" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	748.02	224.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.13*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.40*	
26 05 36 00-1223	EA	9" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	773.66	232.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.96*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.68*	
26 05 36 00-1224	EA	12" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	791.82	242.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.00*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.59*	
26 05 36 00-1225	EA	18" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	834.81	262.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.56*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.74*	
26 05 36 00-1226	EA	24" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	887.37	274.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.83*	
		For 6" Overall Height Instead Of 4-5/8", Add	*44.37*	
26 05 36 00-1227	EA	30" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	941.75	302.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.96*	
		For 6" Overall Height Instead Of 4-5/8", Add	*47.09*	
26 05 36 00-1228	EA	36" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,010.96	335.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.11*	
		For 6" Overall Height Instead Of 4-5/8", Add	*50.55*	

26 05 36 00-1229 24" Radius Vertical Tees *(26 05 36 00-1124)*

26 05 36 00-1230	EA	6" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,037.90	242.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.61*	
		For 6" Overall Height Instead Of 4-5/8", Add	*51.90*	
26 05 36 00-1231	EA	9" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,062.78	252.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-85.27*	
		For 6" Overall Height Instead Of 4-5/8", Add	*53.14*	
26 05 36 00-1232	EA	12" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,089.10	262.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-86.99*	
		For 6" Overall Height Instead Of 4-5/8", Add	*54.46*	
26 05 36 00-1233	EA	18" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,150.34	288.31
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-91.01*	
		For 6" Overall Height Instead Of 4-5/8", Add	*57.52*	
26 05 36 00-1234	EA	24" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,190.57	302.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-93.84*	
		For 6" Overall Height Instead Of 4-5/8", Add	*59.53*	
26 05 36 00-1235	EA	30" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,262.51	335.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-98.26*	
		For 6" Overall Height Instead Of 4-5/8", Add	*63.13*	
26 05 36 00-1236	EA	36" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,395.94	378.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-108.08*	
		For 6" Overall Height Instead Of 4-5/8", Add	*69.80*	

26 05 36 00-1237 36" Radius Vertical Tees *(26 05 36 00-1124)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1238	EA	6" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,645.11	262.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-142.59*	
		For 6" Overall Height Instead Of 4-5/8", Add	*82.26*	
26 05 36 00-1239	EA	9" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,680.53	274.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-145.15*	
		For 6" Overall Height Instead Of 4-5/8", Add	*84.03*	
26 05 36 00-1240	EA	12" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,718.55	288.31
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-147.83*	
		For 6" Overall Height Instead Of 4-5/8", Add	*85.93*	
26 05 36 00-1241	EA	18" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,784.39	318.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-151.91*	
		For 6" Overall Height Instead Of 4-5/8", Add	*89.22*	
26 05 36 00-1242	EA	24" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,829.27	335.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-154.94*	
		For 6" Overall Height Instead Of 4-5/8", Add	*91.46*	
26 05 36 00-1243	EA	30" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,946.81	378.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-163.16*	
		For 6" Overall Height Instead Of 4-5/8", Add	*97.34*	
26 05 36 00-1244	EA	36" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,051.70	431.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-169.19*	
		For 6" Overall Height Instead Of 4-5/8", Add	*102.59*	
26 05 36 00-1245		**12" Radius Horizontal Crosses** *(26 05 36 00-1124)*		
26 05 36 00-1246	EA	6" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	736.68	302.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.45*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.83*	
26 05 36 00-1247	EA	9" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	787.61	318.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.23*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.38*	
26 05 36 00-1248	EA	12" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	819.56	335.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.97*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.98*	
26 05 36 00-1249	EA	18" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	907.98	356.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.12*	
		For 6" Overall Height Instead Of 4-5/8", Add	*45.40*	
26 05 36 00-1250	EA	24" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	997.38	403.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.14*	
		For 6" Overall Height Instead Of 4-5/8", Add	*49.87*	
26 05 36 00-1251	EA	30" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,102.36	431.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.26*	
		For 6" Overall Height Instead Of 4-5/8", Add	*55.12*	
26 05 36 00-1252	EA	36" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,254.78	465.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-86.66*	
		For 6" Overall Height Instead Of 4-5/8", Add	*62.74*	
26 05 36 00-1253		**24" Radius Horizontal Crosses** *(26 05 36 00-1124)*		
26 05 36 00-1254	EA	6" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,005.49	335.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.56*	
		For 6" Overall Height Instead Of 4-5/8", Add	*50.27*	
26 05 36 00-1255	EA	9" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,052.90	356.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.61*	
		For 6" Overall Height Instead Of 4-5/8", Add	*52.65*	
26 05 36 00-1256	EA	12" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,103.37	378.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-78.82*	
		For 6" Overall Height Instead Of 4-5/8", Add	*55.17*	
26 05 36 00-1257	EA	18" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,169.64	403.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.36*	
		For 6" Overall Height Instead Of 4-5/8", Add	*58.48*	
26 05 36 00-1258	EA	24" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,317.67	465.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-92.95*	
		For 6" Overall Height Instead Of 4-5/8", Add	*65.88*	
26 05 36 00-1259	EA	30" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,420.12	504.27
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-99.99*	
		For 6" Overall Height Instead Of 4-5/8", Add	*71.01*	
26 05 36 00-1260	EA	36" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,569.68	549.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-111.16*	
		For 6" Overall Height Instead Of 4-5/8", Add	*78.48*	
26 05 36 00-1261		**36" Radius Horizontal Crosses** *(26 05 36 00-1124)*		
26 05 36 00-1262	EA	6" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,155.32	378.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-84.02*	
		For 6" Overall Height Instead Of 4-5/8", Add	*57.77*	
26 05 36 00-1263	EA	9" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,218.86	403.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-88.29*	
		For 6" Overall Height Instead Of 4-5/8", Add	*60.94*	
26 05 36 00-1264	EA	12" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,299.23	431.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-93.95*	
		For 6" Overall Height Instead Of 4-5/8", Add	*64.96*	
26 05 36 00-1265	EA	18" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,394.23	465.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-100.61*	
		For 6" Overall Height Instead Of 4-5/8", Add	*69.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1266	EA	24" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,681.79	549.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-122.37*	
		For 6" Overall Height Instead Of 4-5/8", Add	*84.09*	
26 05 36 00-1267	EA	30" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,854.56	604.11
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-135.11*	
		For 6" Overall Height Instead Of 4-5/8", Add	*92.73*	
26 05 36 00-1268	EA	36" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,064.92	672.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-150.41*	
		For 6" Overall Height Instead Of 4-5/8", Add	*103.25*	

26 05 36 00-1269 12" Radius Vertical Crosses *(26 05 36 00-1124)*

26 05 36 00-1270	EA	6" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	736.68	302.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.45*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.83*	
26 05 36 00-1271	EA	9" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	787.61	318.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.23*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.38*	
26 05 36 00-1272	EA	12" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	819.56	335.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.97*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.98*	
26 05 36 00-1273	EA	18" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	907.98	356.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.12*	
		For 6" Overall Height Instead Of 4-5/8", Add	*45.40*	
26 05 36 00-1274	EA	24" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	997.38	403.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.14*	
		For 6" Overall Height Instead Of 4-5/8", Add	*49.87*	
26 05 36 00-1275	EA	30" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,102.36	431.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.26*	
		For 6" Overall Height Instead Of 4-5/8", Add	*55.12*	
26 05 36 00-1276	EA	36" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,252.87	464.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-86.57*	
		For 6" Overall Height Instead Of 4-5/8", Add	*62.64*	

26 05 36 00-1277 24" Radius Vertical Crosses *(26 05 36 00-1124)*

26 05 36 00-1278	EA	6" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,005.49	335.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.56*	
		For 6" Overall Height Instead Of 4-5/8", Add	*50.27*	
26 05 36 00-1279	EA	9" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,052.90	356.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.61*	
		For 6" Overall Height Instead Of 4-5/8", Add	*52.65*	
26 05 36 00-1280	EA	12" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,103.37	378.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-78.82*	
		For 6" Overall Height Instead Of 4-5/8", Add	*55.17*	
26 05 36 00-1281	EA	18" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,169.64	403.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.36*	
		For 6" Overall Height Instead Of 4-5/8", Add	*58.48*	
26 05 36 00-1282	EA	24" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,317.67	465.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-92.95*	
		For 6" Overall Height Instead Of 4-5/8", Add	*65.88*	
26 05 36 00-1283	EA	30" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,420.12	504.27
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-99.99*	
		For 6" Overall Height Instead Of 4-5/8", Add	*71.01*	
26 05 36 00-1284	EA	36" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,569.68	549.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-111.16*	
		For 6" Overall Height Instead Of 4-5/8", Add	*78.48*	

26 05 36 00-1285 36" Radius Vertical Crosses *(26 05 36 00-1124)*

26 05 36 00-1286	EA	6" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,391.56	378.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-107.64*	
		For 6" Overall Height Instead Of 4-5/8", Add	*69.58*	
26 05 36 00-1287	EA	9" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,464.94	403.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-112.89*	
		For 6" Overall Height Instead Of 4-5/8", Add	*73.25*	
26 05 36 00-1288	EA	12" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,560.08	431.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-120.03*	
		For 6" Overall Height Instead Of 4-5/8", Add	*78.00*	
26 05 36 00-1289	EA	18" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,672.30	465.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-128.42*	
		For 6" Overall Height Instead Of 4-5/8", Add	*83.62*	
26 05 36 00-1290	EA	24" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,026.31	549.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-156.82*	
		For 6" Overall Height Instead Of 4-5/8", Add	*101.32*	
26 05 36 00-1291	EA	30" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,235.99	604.11
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-173.25*	
		For 6" Overall Height Instead Of 4-5/8", Add	*111.80*	
26 05 36 00-1292	EA	36" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,489.41	672.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-192.86*	
		For 6" Overall Height Instead Of 4-5/8", Add	*124.47*	

26 05 36 00-1293 12" Rung Tray Fittings *(26 05 36 00-0744)*

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1294			**90 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1293)*		
26 05 36 00-1295		EA	6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	311.12	126.45
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.58*	
			For 6" Overall Height Instead Of 4-5/8", Add	*15.56*	
26 05 36 00-1296		EA	9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	343.03	143.97
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.30*	
			For 6" Overall Height Instead Of 4-5/8", Add	*17.15*	
26 05 36 00-1297		EA	12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	387.35	159.22
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.47*	
			For 6" Overall Height Instead Of 4-5/8", Add	*19.37*	
26 05 36 00-1298		EA	18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	462.57	195.15
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.99*	
			For 6" Overall Height Instead Of 4-5/8", Add	*23.13*	
26 05 36 00-1299		EA	24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	543.79	224.03
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.71*	
			For 6" Overall Height Instead Of 4-5/8", Add	*27.19*	
26 05 36 00-1300		EA	30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	600.76	252.14
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.07*	
			For 6" Overall Height Instead Of 4-5/8", Add	*30.04*	
26 05 36 00-1301		EA	36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	698.98	288.19
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.88*	
			For 6" Overall Height Instead Of 4-5/8", Add	*34.95*	
26 05 36 00-1302			**90 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-1293)*		
26 05 36 00-1303		EA	6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	397.18	131.49
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.76*	
			For 6" Overall Height Instead Of 4-5/8", Add	*19.86*	
26 05 36 00-1304		EA	9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	437.57	151.15
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.16*	
			For 6" Overall Height Instead Of 4-5/8", Add	*21.88*	
26 05 36 00-1305		EA	12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	474.68	168.05
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.46*	
			For 6" Overall Height Instead Of 4-5/8", Add	*23.73*	
26 05 36 00-1306		EA	18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	558.93	208.76
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.50*	
			For 6" Overall Height Instead Of 4-5/8", Add	*27.95*	
26 05 36 00-1307		EA	24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	634.95	242.17
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.32*	
			For 6" Overall Height Instead Of 4-5/8", Add	*31.75*	
26 05 36 00-1308		EA	30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	711.11	274.82
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.21*	
			For 6" Overall Height Instead Of 4-5/8", Add	*35.56*	
26 05 36 00-1309		EA	36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	815.39	318.32
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.01*	
			For 6" Overall Height Instead Of 4-5/8", Add	*40.77*	
26 05 36 00-1310			**90 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-1293)*		
26 05 36 00-1311		EA	6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	424.85	137.41
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.03*	
			For 6" Overall Height Instead Of 4-5/8", Add	*21.24*	
26 05 36 00-1312		EA	9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	465.96	159.10
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.34*	
			For 6" Overall Height Instead Of 4-5/8", Add	*23.30*	
26 05 36 00-1313		EA	12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	520.54	178.01
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.22*	
			For 6" Overall Height Instead Of 4-5/8", Add	*26.03*	
26 05 36 00-1314		EA	18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	625.17	224.03
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.85*	
			For 6" Overall Height Instead Of 4-5/8", Add	*31.26*	
26 05 36 00-1315		EA	24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	723.14	262.98
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.40*	
			For 6" Overall Height Instead Of 4-5/8", Add	*36.16*	
26 05 36 00-1316		EA	30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	817.04	302.56
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.49*	
			For 6" Overall Height Instead Of 4-5/8", Add	*40.85*	
26 05 36 00-1317		EA	36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	950.97	355.51
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.48*	
			For 6" Overall Height Instead Of 4-5/8", Add	*47.55*	
26 05 36 00-1318			**45 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1293)*		
26 05 36 00-1319		EA	6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	218.80	91.65
			For 60 Degree Bend, Deduct	*-37.09*	
			For 30 Degree Bend, Deduct	*-66.90*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.25*	
			For 6" Overall Height Instead Of 4-5/8", Add	*10.94*	
26 05 36 00-1320		EA	9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	251.79	109.93
			For 60 Degree Bend, Deduct	*-40.97*	
			For 30 Degree Bend, Deduct	*-74.39*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.02*	
			For 6" Overall Height Instead Of 4-5/8", Add	*12.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1321	EA	12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	281.32	126.07
		For 60 Degree Bend, Deduct	*-44.51*	
		For 30 Degree Bend, Deduct	*-81.18*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.63*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.07*	
26 05 36 00-1322	EA	18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	349.43	159.35
		For 60 Degree Bend, Deduct	*-54.24*	
		For 30 Degree Bend, Deduct	*-99.26*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.67*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.47*	
26 05 36 00-1323	EA	24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	429.51	195.15
		For 60 Degree Bend, Deduct	*-66.93*	
		For 30 Degree Bend, Deduct	*-122.39*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.69*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.48*	
26 05 36 00-1324	EA	30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	492.94	224.03
		For 60 Degree Bend, Deduct	*-76.78*	
		For 30 Degree Bend, Deduct	*-140.42*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.62*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.65*	
26 05 36 00-1325	EA	36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	562.94	262.98
		For 60 Degree Bend, Deduct	*-84.95*	
		For 30 Degree Bend, Deduct	*-156.20*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.38*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.15*	

26 05 36 00-1326 45 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-1293)*

26 05 36 00-1327	EA	6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	246.50	94.55
		For 60 Degree Bend, Deduct	*-45.12*	
		For 30 Degree Bend, Deduct	*-80.45*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.78*	
		For 6" Overall Height Instead Of 4-5/8", Add	*12.33*	
26 05 36 00-1328	EA	9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	289.14	113.96
		For 60 Degree Bend, Deduct	*-51.72*	
		For 30 Degree Bend, Deduct	*-92.54*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.42*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.46*	
26 05 36 00-1329	EA	12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	321.05	131.61
		For 60 Degree Bend, Deduct	*-55.50*	
		For 30 Degree Bend, Deduct	*-99.81*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.14*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.05*	
26 05 36 00-1330	EA	18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	389.49	168.05
		For 60 Degree Bend, Deduct	*-64.10*	
		For 30 Degree Bend, Deduct	*-116.17*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.94*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.47*	
26 05 36 00-1331	EA	24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	475.01	208.76
		For 60 Degree Bend, Deduct	*-76.74*	
		For 30 Degree Bend, Deduct	*-139.50*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.11*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.75*	
26 05 36 00-1332	EA	30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	556.12	242.17
		For 60 Degree Bend, Deduct	*-90.70*	
		For 30 Degree Bend, Deduct	*-164.62*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.43*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.81*	
26 05 36 00-1333	EA	36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	640.64	288.31
		For 60 Degree Bend, Deduct	*-100.91*	
		For 30 Degree Bend, Deduct	*-184.20*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.04*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.03*	

26 05 36 00-1334 45 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-1293)*

26 05 36 00-1335	EA	6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	282.07	97.58
		For 60 Degree Bend, Deduct	*-55.70*	
		For 30 Degree Bend, Deduct	*-98.25*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.08*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.10*	
26 05 36 00-1336	EA	9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	319.53	118.50
		For 60 Degree Bend, Deduct	*-60.03*	
		For 30 Degree Bend, Deduct	*-106.63*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.08*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.98*	
26 05 36 00-1337	EA	12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	353.82	137.54
		For 60 Degree Bend, Deduct	*-64.04*	
		For 30 Degree Bend, Deduct	*-114.37*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.92*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.69*	
26 05 36 00-1338	EA	18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	434.09	178.01
		For 60 Degree Bend, Deduct	*-74.99*	
		For 30 Degree Bend, Deduct	*-134.88*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.57*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1339	EA	24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	541.25	224.03
		For 60 Degree Bend, Deduct	*-92.73*	
		For 30 Degree Bend, Deduct	*-166.99*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.45*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.06*	
26 05 36 00-1340	EA	30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	616.34	262.98
		For 60 Degree Bend, Deduct	*-102.57*	
		For 30 Degree Bend, Deduct	*-185.57*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.72*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.82*	
26 05 36 00-1341	EA	36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	726.39	318.32
		For 60 Degree Bend, Deduct	*-117.67*	
		For 30 Degree Bend, Deduct	*-213.81*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.11*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.32*	

26 05 36 00-1342 90 Degree, 12" Radius Vertical Risers *(26 05 36 00-1293)*

26 05 36 00-1343	EA	6" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	345.47	126.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.04*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.27*	
26 05 36 00-1344	EA	9" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	382.77	143.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.28*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.14*	
26 05 36 00-1345	EA	12" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	410.48	159.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.78*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.52*	
26 05 36 00-1346	EA	18" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	475.36	195.15
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.27*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.77*	
26 05 36 00-1347	EA	24" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	530.91	224.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.42*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.55*	
26 05 36 00-1348	EA	30" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	585.10	252.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.50*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.26*	
26 05 36 00-1349	EA	36" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	649.51	287.81
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.97*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.48*	

26 05 36 00-1350 90 Degree, 24" Radius Vertical Risers *(26 05 36 00-1293)*

26 05 36 00-1351	EA	6" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	365.60	131.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.60*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.28*	
26 05 36 00-1352	EA	9" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	404.71	151.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.86*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.24*	
26 05 36 00-1353	EA	12" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	436.41	168.05
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.63*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.82*	
26 05 36 00-1354	EA	18" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	512.75	208.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.88*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.64*	
26 05 36 00-1355	EA	24" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	578.27	242.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.65*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.91*	
26 05 36 00-1356	EA	30" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	642.65	274.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.36*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.13*	
26 05 36 00-1357	EA	36" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	727.46	318.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.22*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.37*	

26 05 36 00-1358 90 Degree, 36" Radius Vertical Risers *(26 05 36 00-1293)*

26 05 36 00-1359	EA	6" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	455.45	137.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.09*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.77*	
26 05 36 00-1360	EA	9" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	496.61	159.22
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.40*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.83*	
26 05 36 00-1361	EA	12" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	542.86	178.01
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.45*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.14*	
26 05 36 00-1362	EA	18" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	629.35	224.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.26*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.47*	
26 05 36 00-1363	EA	24" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	704.11	262.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.49*	
		For 6" Overall Height Instead Of 4-5/8", Add	*35.21*	
26 05 36 00-1364	EA	30" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	789.73	302.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.76*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1365	EA	36" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	890.18	355.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.40*	
		For 6" Overall Height Instead Of 4-5/8", Add	*44.51*	

26 05 36 00-1366 12" Radius Horizontal Tees *(26 05 36 00-1293)*

26 05 36 00-1367	EA	6" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	553.66	242.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.19*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.68*	
26 05 36 00-1368	EA	9" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	598.30	262.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.91*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.92*	
26 05 36 00-1369	EA	12" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	620.51	274.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.15*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.03*	
26 05 36 00-1370	EA	18" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	698.68	302.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.65*	
		For 6" Overall Height Instead Of 4-5/8", Add	*34.93*	
26 05 36 00-1371	EA	24" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	773.89	335.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.40*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.69*	
26 05 36 00-1372	EA	30" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	842.09	356.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.53*	
		For 6" Overall Height Instead Of 4-5/8", Add	*42.10*	
26 05 36 00-1373	EA	36" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	969.76	403.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.38*	
		For 6" Overall Height Instead Of 4-5/8", Add	*48.49*	

26 05 36 00-1374 24" Radius Horizontal Tees *(26 05 36 00-1293)*

26 05 36 00-1375	EA	6" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	694.27	262.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.51*	
		For 6" Overall Height Instead Of 4-5/8", Add	*34.71*	
26 05 36 00-1376	EA	9" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	751.13	288.31
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.09*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.56*	
26 05 36 00-1377	EA	12" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	782.35	302.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.02*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.12*	
26 05 36 00-1378	EA	18" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	862.48	335.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.26*	
		For 6" Overall Height Instead Of 4-5/8", Add	*43.12*	
26 05 36 00-1379	EA	24" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	960.09	378.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.49*	
		For 6" Overall Height Instead Of 4-5/8", Add	*48.00*	
26 05 36 00-1380	EA	30" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,033.75	403.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.78*	
		For 6" Overall Height Instead Of 4-5/8", Add	*51.69*	
26 05 36 00-1381	EA	36" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,329.97	465.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-94.18*	
		For 6" Overall Height Instead Of 4-5/8", Add	*66.50*	

26 05 36 00-1382 36" Radius Horizontal Tees *(26 05 36 00-1293)*

26 05 36 00-1383	EA	6" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	842.19	288.31
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.20*	
		For 6" Overall Height Instead Of 4-5/8", Add	*42.11*	
26 05 36 00-1384	EA	9" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	902.18	318.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.69*	
		For 6" Overall Height Instead Of 4-5/8", Add	*45.11*	
26 05 36 00-1385	EA	12" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	965.84	335.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.59*	
		For 6" Overall Height Instead Of 4-5/8", Add	*48.29*	
26 05 36 00-1386	EA	18" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,058.53	378.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.34*	
		For 6" Overall Height Instead Of 4-5/8", Add	*52.93*	
26 05 36 00-1387	EA	24" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,192.04	431.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.23*	
		For 6" Overall Height Instead Of 4-5/8", Add	*59.60*	
26 05 36 00-1388	EA	30" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,374.27	465.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-98.61*	
		For 6" Overall Height Instead Of 4-5/8", Add	*68.71*	
26 05 36 00-1389	EA	36" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,580.62	549.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-112.25*	
		For 6" Overall Height Instead Of 4-5/8", Add	*79.03*	

26 05 36 00-1390 12" Radius Vertical Tees *(26 05 36 00-1293)*

26 05 36 00-1391	EA	6" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	710.56	224.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.39*	
		For 6" Overall Height Instead Of 4-5/8", Add	*35.53*	
26 05 36 00-1392	EA	9" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	735.11	232.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.10*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1393	EA	12" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	752.99	242.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.12*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.65*	
26 05 36 00-1394	EA	18" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	795.16	262.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.60*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.76*	
26 05 36 00-1395	EA	24" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	844.44	274.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.54*	
		For 6" Overall Height Instead Of 4-5/8", Add	*42.22*	
26 05 36 00-1396	EA	30" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	898.01	302.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.59*	
		For 6" Overall Height Instead Of 4-5/8", Add	*44.90*	
26 05 36 00-1397	EA	36" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	965.84	335.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.59*	
		For 6" Overall Height Instead Of 4-5/8", Add	*48.29*	
26 05 36 00-1398		**24" Radius Vertical Tees** *(26 05 36 00-1293)*		
26 05 36 00-1399	EA	6" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	974.47	242.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-77.27*	
		For 6" Overall Height Instead Of 4-5/8", Add	*48.72*	
26 05 36 00-1400	EA	9" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	998.52	252.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-78.84*	
		For 6" Overall Height Instead Of 4-5/8", Add	*49.93*	
26 05 36 00-1401	EA	12" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,024.02	262.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-80.49*	
		For 6" Overall Height Instead Of 4-5/8", Add	*51.20*	
26 05 36 00-1402	EA	18" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,083.35	288.31
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-84.31*	
		For 6" Overall Height Instead Of 4-5/8", Add	*54.17*	
26 05 36 00-1403	EA	24" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,121.94	302.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-86.98*	
		For 6" Overall Height Instead Of 4-5/8", Add	*56.10*	
26 05 36 00-1404	EA	30" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,192.24	335.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-91.23*	
		For 6" Overall Height Instead Of 4-5/8", Add	*59.61*	
26 05 36 00-1405	EA	36" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,319.38	378.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-100.42*	
		For 6" Overall Height Instead Of 4-5/8", Add	*65.97*	
26 05 36 00-1406		**36" Radius Vertical Tees** *(26 05 36 00-1293)*		
26 05 36 00-1407	EA	6" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,524.44	262.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-130.53*	
		For 6" Overall Height Instead Of 4-5/8", Add	*76.22*	
26 05 36 00-1408	EA	9" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,558.29	274.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-132.92*	
		For 6" Overall Height Instead Of 4-5/8", Add	*77.91*	
26 05 36 00-1409	EA	12" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,594.74	288.31
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-135.45*	
		For 6" Overall Height Instead Of 4-5/8", Add	*79.74*	
26 05 36 00-1410	EA	18" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,659.01	318.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-139.37*	
		For 6" Overall Height Instead Of 4-5/8", Add	*82.95*	
26 05 36 00-1411	EA	24" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,702.32	335.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-142.24*	
		For 6" Overall Height Instead Of 4-5/8", Add	*85.12*	
26 05 36 00-1412	EA	30" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,815.17	378.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-150.00*	
		For 6" Overall Height Instead Of 4-5/8", Add	*90.76*	
26 05 36 00-1413	EA	36" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,918.49	431.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-155.87*	
		For 6" Overall Height Instead Of 4-5/8", Add	*95.92*	
26 05 36 00-1414		**12" Radius Horizontal Crosses** *(26 05 36 00-1293)*		
26 05 36 00-1415	EA	6" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	713.44	302.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.13*	
		For 6" Overall Height Instead Of 4-5/8", Add	*35.67*	
26 05 36 00-1416	EA	9" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	761.91	318.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.66*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.10*	
26 05 36 00-1417	EA	12" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	793.58	335.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.37*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.68*	
26 05 36 00-1418	EA	18" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	876.54	356.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.98*	
		For 6" Overall Height Instead Of 4-5/8", Add	*43.83*	
26 05 36 00-1419	EA	24" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	964.84	403.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.88*	
		For 6" Overall Height Instead Of 4-5/8", Add	*48.24*	
26 05 36 00-1420	EA	30" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,064.08	431.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.43*	
		For 6" Overall Height Instead Of 4-5/8", Add	*53.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1421	EA	36" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,206.93	465.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-81.88*	
		For 6" Overall Height Instead Of 4-5/8", Add	*60.35*	
26 05 36 00-1422		**24" Radius Horizontal Crosses** *(26 05 36 00-1293)*		
26 05 36 00-1423	EA	6" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	960.92	335.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.10*	
		For 6" Overall Height Instead Of 4-5/8", Add	*48.05*	
26 05 36 00-1424	EA	9" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,006.96	356.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-71.02*	
		For 6" Overall Height Instead Of 4-5/8", Add	*50.35*	
26 05 36 00-1425	EA	12" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,056.07	378.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.09*	
		For 6" Overall Height Instead Of 4-5/8", Add	*52.80*	
26 05 36 00-1426	EA	18" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,119.88	403.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-78.39*	
		For 6" Overall Height Instead Of 4-5/8", Add	*55.99*	
26 05 36 00-1427	EA	24" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,263.53	465.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-87.54*	
		For 6" Overall Height Instead Of 4-5/8", Add	*63.18*	
26 05 36 00-1428	EA	30" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,362.15	504.27
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-94.19*	
		For 6" Overall Height Instead Of 4-5/8", Add	*68.11*	
26 05 36 00-1429	EA	36" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,504.33	549.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-104.62*	
		For 6" Overall Height Instead Of 4-5/8", Add	*75.22*	
26 05 36 00-1430		**36" Radius Horizontal Crosses** *(26 05 36 00-1293)*		
26 05 36 00-1431	EA	6" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,102.82	378.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-78.77*	
		For 6" Overall Height Instead Of 4-5/8", Add	*55.14*	
26 05 36 00-1432	EA	9" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,164.17	403.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-82.82*	
		For 6" Overall Height Instead Of 4-5/8", Add	*58.21*	
26 05 36 00-1433	EA	12" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,241.26	431.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-88.15*	
		For 6" Overall Height Instead Of 4-5/8", Add	*62.06*	
26 05 36 00-1434	EA	18" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,332.43	465.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-94.43*	
		For 6" Overall Height Instead Of 4-5/8", Add	*66.62*	
26 05 36 00-1435	EA	24" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,605.23	549.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-114.71*	
		For 6" Overall Height Instead Of 4-5/8", Add	*80.26*	
26 05 36 00-1436	EA	30" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,769.79	604.11
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-126.63*	
		For 6" Overall Height Instead Of 4-5/8", Add	*88.49*	
26 05 36 00-1437	EA	36" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,970.58	672.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-140.98*	
		For 6" Overall Height Instead Of 4-5/8", Add	*98.53*	
26 05 36 00-1438		**12" Radius Vertical Crosses** *(26 05 36 00-1293)*		
26 05 36 00-1439	EA	6" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	713.44	302.56
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.13*	
		For 6" Overall Height Instead Of 4-5/8", Add	*35.67*	
26 05 36 00-1440	EA	9" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	762.09	318.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.67*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.10*	
26 05 36 00-1441	EA	12" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	793.48	335.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.36*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.67*	
26 05 36 00-1442	EA	18" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	876.76	356.27
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.99*	
		For 6" Overall Height Instead Of 4-5/8", Add	*43.84*	
26 05 36 00-1443	EA	24" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	964.84	403.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.88*	
		For 6" Overall Height Instead Of 4-5/8", Add	*48.24*	
26 05 36 00-1444	EA	30" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,064.41	431.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.45*	
		For 6" Overall Height Instead Of 4-5/8", Add	*53.22*	
26 05 36 00-1445	EA	36" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,205.97	465.19
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-81.83*	
		For 6" Overall Height Instead Of 4-5/8", Add	*60.30*	
26 05 36 00-1446		**24" Radius Vertical Crosses** *(26 05 36 00-1293)*		
26 05 36 00-1447	EA	6" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	960.92	335.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.10*	
		For 6" Overall Height Instead Of 4-5/8", Add	*48.05*	
26 05 36 00-1448	EA	9" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,006.96	356.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-71.02*	
		For 6" Overall Height Instead Of 4-5/8", Add	*50.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1449	EA	12" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,056.07	378.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.09*	
		For 6" Overall Height Instead Of 4-5/8", Add	*52.80*	
26 05 36 00-1450	EA	18" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,119.88	403.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-78.39*	
		For 6" Overall Height Instead Of 4-5/8", Add	*55.99*	
26 05 36 00-1451	EA	24" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,263.53	465.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-87.54*	
		For 6" Overall Height Instead Of 4-5/8", Add	*63.18*	
26 05 36 00-1452	EA	30" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,362.15	504.27
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-94.19*	
		For 6" Overall Height Instead Of 4-5/8", Add	*68.11*	
26 05 36 00-1453	EA	36" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,504.33	549.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-104.62*	
		For 6" Overall Height Instead Of 4-5/8", Add	*75.22*	

26 05 36 00-1454 36" Radius Vertical Crosses *(26 05 36 00-1293)*

26 05 36 00-1455	EA	6" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,315.44	378.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-100.03*	
		For 6" Overall Height Instead Of 4-5/8", Add	*65.77*	
26 05 36 00-1456	EA	9" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,385.65	403.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-104.97*	
		For 6" Overall Height Instead Of 4-5/8", Add	*69.28*	
26 05 36 00-1457	EA	12" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,476.03	431.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-111.63*	
		For 6" Overall Height Instead Of 4-5/8", Add	*73.80*	
26 05 36 00-1458	EA	18" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,582.70	465.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-119.46*	
		For 6" Overall Height Instead Of 4-5/8", Add	*79.14*	
26 05 36 00-1459	EA	24" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,915.30	549.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-145.72*	
		For 6" Overall Height Instead Of 4-5/8", Add	*95.77*	
26 05 36 00-1460	EA	30" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,113.08	604.11
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-160.96*	
		For 6" Overall Height Instead Of 4-5/8", Add	*105.65*	
26 05 36 00-1461	EA	36" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,352.63	672.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-179.18*	
		For 6" Overall Height Instead Of 4-5/8", Add	*117.63*	

26 05 36 00-1462 Dropout Or End Plates And Reducers *(26 05 36 00-0744)*

26 05 36 00-1463 Straight Reducers *(26 05 36 00-1462)*

26 05 36 00-1464	EA	9" To 6" Reducer, Aluminum Cable Tray	278.14	93.04
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.06*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.91*	
26 05 36 00-1465	EA	12" To 9" Reducer, Aluminum Cable Tray	293.69	100.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.97*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.68*	
26 05 36 00-1466	EA	18" To 12" Reducer, Aluminum Cable Tray	322.34	116.24
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.54*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.12*	
26 05 36 00-1467	EA	24" To 18" Reducer, Aluminum Cable Tray	355.41	134.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.33*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.77*	
26 05 36 00-1468	EA	30" To 24" Reducer, Aluminum Cable Tray	386.12	151.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.01*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.31*	
26 05 36 00-1469	EA	36" To 30" Reducer, Aluminum Cable Tray	430.27	172.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.62*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.51*	

26 05 36 00-1470 Reducers *(26 05 36 00-1462)*

26 05 36 00-1471	EA	18" To 6" Reducer, Aluminum Cable Tray	322.46	116.36
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.55*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.12*	
26 05 36 00-1472	EA	24" To 12" Reducer, Aluminum Cable Tray	355.73	134.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.35*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.79*	
26 05 36 00-1473	EA	30" To 12" Reducer, Aluminum Cable Tray	385.92	151.15
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.00*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.30*	
26 05 36 00-1474	EA	30" To 18" Reducer, Aluminum Cable Tray	388.45	151.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.26*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.42*	
26 05 36 00-1475	EA	36" To 12" Reducer, Aluminum Cable Tray	427.54	172.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.35*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.38*	
26 05 36 00-1476	EA	36" To 18" Reducer, Aluminum Cable Tray	437.84	177.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.00*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1477	EA	36" To 24" Reducer, Aluminum Cable Tray	452.75	183.05
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.02*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.64*	
26 05 36 00-1478		**Dropout Or End Plate** *(26 05 36 00-1462)*		
26 05 36 00-1479	EA	6" Dropout Or End Plate, Aluminum Cable Tray	79.30	37.82
26 05 36 00-1480	EA	9" Dropout Or End Plate, Aluminum Cable Tray	89.35	43.24
26 05 36 00-1481	EA	12" Dropout Or End Plate, Aluminum Cable Tray	96.40	46.52
26 05 36 00-1482	EA	18" Dropout Or End Plate, Aluminum Cable Tray	116.93	54.97
26 05 36 00-1483	EA	24" Dropout Or End Plate, Aluminum Cable Tray	130.52	60.51
26 05 36 00-1484	EA	30" Dropout Or End Plate, Aluminum Cable Tray	147.35	67.19
26 05 36 00-1485	EA	36" Dropout Or End Plate, Aluminum Cable Tray	165.31	75.64
26 05 36 00-1486		**Solid Bottom Cable Tray** *(26 05 36 00-0001)*		
		Note: 3-5/8" Height.		
26 05 36 00-1487		**Solid Bottom Galvanized Steel Straight Tray Sections** *(26 05 36 00-1486)*		
26 05 36 00-1488	LF	6" Solid Bottom Steel Cable Tray, Straight Section	32.72	9.83
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*3.26*	
26 05 36 00-1489	LF	12" Solid Bottom Steel Cable Tray, Straight Section	40.77	12.11
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*4.10*	
26 05 36 00-1490	LF	18" Solid Bottom Steel Cable Tray, Straight Section	54.33	17.40
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*5.25*	
26 05 36 00-1491	LF	24" Solid Bottom Steel Cable Tray, Straight Section	62.87	19.92
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*6.10*	
26 05 36 00-1492	LF	30" Solid Bottom Steel Cable Tray, Straight Section	75.34	24.08
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*7.28*	
26 05 36 00-1493	LF	36" Solid Bottom Steel Cable Tray, Straight Section	96.36	27.61
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*9.86*	
26 05 36 00-1494		**Solid Bottom Galvanized Steel Cable Tray Fittings** *(26 05 36 00-1486)*		
26 05 36 00-1495		**90 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1494)*		
26 05 36 00-1496	EA	6" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	333.14	126.20
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*28.95*	
26 05 36 00-1497	EA	12" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	433.55	177.51
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*35.44*	
26 05 36 00-1498	EA	18" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	530.70	224.03
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*42.26*	
26 05 36 00-1499	EA	24" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	650.46	275.20
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*51.69*	
26 05 36 00-1500	EA	30" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	760.03	318.95
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*60.86*	
26 05 36 00-1501	EA	36" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	854.04	356.14
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*68.75*	
26 05 36 00-1502		**90 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-1494)*		
26 05 36 00-1503	EA	6" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	393.50	131.36
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*37.12*	
26 05 36 00-1504	EA	12" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	519.45	189.23
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*46.37*	
26 05 36 00-1505	EA	18" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	639.47	242.17
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*55.57*	
26 05 36 00-1506	EA	24" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	779.51	302.56
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*66.50*	
26 05 36 00-1507	EA	30" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	914.36	355.51
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*77.91*	
26 05 36 00-1508	EA	36" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	1,033.26	403.17
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*87.79*	
26 05 36 00-1509		**90 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-1494)*		
26 05 36 00-1510	EA	6" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	484.30	137.29
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*49.77*	
26 05 36 00-1511	EA	12" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	624.25	202.09
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*59.97*	
26 05 36 00-1512	EA	18" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	790.38	263.36
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*74.66*	
26 05 36 00-1513	EA	24" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	940.72	335.84
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*85.13*	
26 05 36 00-1514	EA	30" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	1,129.10	403.17
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*102.17*	
26 05 36 00-1515	EA	36" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	1,287.99	464.56
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*115.76*	
26 05 36 00-1516		**45 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1494)*		
26 05 36 00-1517	EA	6" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	302.56	126.20
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*24.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1518	EA	12" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	399.15	177.51
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*30.28*	
26 05 36 00-1519	EA	18" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	490.94	223.77
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*36.34*	
26 05 36 00-1520	EA	24" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	601.85	274.82
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*44.47*	
26 05 36 00-1521	EA	30" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	702.89	318.95
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*52.29*	
26 05 36 00-1522	EA	36" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	787.79	355.51
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*58.93*	

26 05 36 00-1523 45 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-1494)*

26 05 36 00-1524	EA	6" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	350.04	131.49
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*30.59*	
26 05 36 00-1525	EA	12" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	468.15	189.10
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*38.71*	
26 05 36 00-1526	EA	18" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	581.00	242.43
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*46.74*	
26 05 36 00-1527	EA	24" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	710.70	302.56
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*56.18*	
26 05 36 00-1528	EA	30" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	834.99	356.14
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*65.89*	
26 05 36 00-1529	EA	36" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	942.94	403.17
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*74.24*	

26 05 36 00-1530 45 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-1494)*

26 05 36 00-1531	EA	6" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	420.74	137.41
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*40.21*	
26 05 36 00-1532	EA	12" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	521.05	183.18
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*47.62*	
26 05 36 00-1533	EA	18" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	702.52	263.36
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*61.48*	
26 05 36 00-1534	EA	24" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	846.49	336.48
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*70.89*	
26 05 36 00-1535	EA	30" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	1,014.82	403.17
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*85.02*	
26 05 36 00-1536	EA	36" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	1,161.50	465.82
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*96.60*	

26 05 36 00-1537 90 Degree, 12" Radius Vertical Risers *(26 05 36 00-1494)*

26 05 36 00-1538	EA	6" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray	359.61	125.82
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*32.97*	
26 05 36 00-1539	EA	12" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray	453.21	177.51
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*38.39*	
26 05 36 00-1540	EA	18" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray	533.16	224.03
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*42.63*	
26 05 36 00-1541	EA	24" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray	645.54	275.20
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*50.95*	
26 05 36 00-1542	EA	30" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray	730.54	318.95
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*56.43*	
26 05 36 00-1543	EA	36" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray	798.85	355.51
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*60.59*	

26 05 36 00-1544 90 Degree, 24" Radius Vertical Risers *(26 05 36 00-1494)*

26 05 36 00-1545	EA	6" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	430.37	131.36
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*42.65*	
26 05 36 00-1546	EA	12" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	546.49	189.23
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*50.43*	
26 05 36 00-1547	EA	18" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	654.22	242.17
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*57.78*	
26 05 36 00-1548	EA	24" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	777.05	302.56
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*66.13*	
26 05 36 00-1549	EA	30" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	879.95	355.51
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*72.75*	
26 05 36 00-1550	EA	36" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	986.56	403.17
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*80.78*	

26 05 36 00-1551 90 Degree, 36" Radius Vertical Risers *(26 05 36 00-1494)*

26 05 36 00-1552	EA	6" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	516.25	137.29
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*54.57*	
26 05 36 00-1553	EA	12" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	627.93	183.55
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*63.59*	
26 05 36 00-1554	EA	18" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	790.38	263.36
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*74.66*	
26 05 36 00-1555	EA	24" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	945.63	335.84
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*85.86*	
26 05 36 00-1556	EA	30" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	1,092.24	403.17
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*96.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1557	EA	36" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	1,231.47	464.56
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*107.28*	
26 05 36 00-1558		**12" Radius Horizontal Tees** *(26 05 36 00-1494)*		
26 05 36 00-1559	EA	6" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	575.58	242.17
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*45.98*	
26 05 36 00-1560	EA	12" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	690.23	302.06
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*53.19*	
26 05 36 00-1561	EA	18" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	814.72	356.14
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*62.85*	
26 05 36 00-1562	EA	24" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	969.42	432.66
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*73.29*	
26 05 36 00-1563	EA	30" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	1,058.89	465.82
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*81.21*	
26 05 36 00-1564	EA	36" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	1,240.58	549.66
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*94.47*	
26 05 36 00-1565		**24" Radius Horizontal Tees** *(26 05 36 00-1494)*		
26 05 36 00-1566	EA	6" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	706.21	262.98
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*62.10*	
26 05 36 00-1567	EA	12" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	871.90	335.84
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*74.81*	
26 05 36 00-1568	EA	18" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,018.51	403.17
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*85.58*	
26 05 36 00-1569	EA	24" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,309.84	504.27
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*112.43*	
26 05 36 00-1570	EA	30" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,427.35	549.66
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*122.48*	
26 05 36 00-1571	EA	36" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,674.53	672.95
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*139.02*	
26 05 36 00-1572		**36" Radius Horizontal Tees** *(26 05 36 00-1494)*		
26 05 36 00-1573	EA	6" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	900.68	288.31
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*87.06*	
26 05 36 00-1574	EA	12" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,099.73	378.20
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*101.93*	
26 05 36 00-1575	EA	18" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,287.44	465.82
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*115.49*	
26 05 36 00-1576	EA	24" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,572.35	549.66
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*144.23*	
26 05 36 00-1577	EA	30" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,722.84	606.13
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*157.41*	
26 05 36 00-1578	EA	36" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,997.94	756.41
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*173.62*	
26 05 36 00-1579		**12" Radius Vertical Tees** *(26 05 36 00-1494)*		
26 05 36 00-1580	EA	6" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	686.16	242.17
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*62.57*	
26 05 36 00-1581	EA	12" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	799.17	302.56
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*69.45*	
26 05 36 00-1582	EA	18" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	859.62	335.84
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*72.96*	
26 05 36 00-1583	EA	24" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	921.73	355.51
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*79.02*	
26 05 36 00-1584	EA	30" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	1,023.43	403.17
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*86.31*	
26 05 36 00-1585	EA	36" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	1,139.99	465.82
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*93.37*	
26 05 36 00-1586		**24" Radius Vertical Tees** *(26 05 36 00-1494)*		
26 05 36 00-1587	EA	6" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	856.12	262.98
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*84.58*	
26 05 36 00-1588	EA	12" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	997.24	335.84
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*93.61*	
26 05 36 00-1589	EA	18" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,089.90	378.20
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*100.45*	
26 05 36 00-1590	EA	24" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,153.67	403.17
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*105.85*	
26 05 36 00-1591	EA	30" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,304.65	465.82
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*118.07*	
26 05 36 00-1592	EA	36" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,469.13	549.66
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*128.75*	
26 05 36 00-1593		**36" Radius Vertical Tees** *(26 05 36 00-1494)*		
26 05 36 00-1594	EA	6" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,130.95	287.81
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*121.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1595	EA	12" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,293.87	378.20
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*131.05*	
26 05 36 00-1596	EA	18" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,432.24	431.78
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*142.88*	
26 05 36 00-1597	EA	24" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,513.54	465.82
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*149.40*	
26 05 36 00-1598	EA	30" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,776.32	549.66
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*174.83*	
26 05 36 00-1599	EA	36" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,916.21	604.11
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*186.74*	
26 05 36 00-1600		**12" Radius Horizontal Crosses** *(26 05 36 00-1494)*		
26 05 36 00-1601	EA	6" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray	710.70	302.56
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*56.18*	
26 05 36 00-1602	EA	12" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray	817.17	356.14
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*63.22*	
26 05 36 00-1603	EA	18" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray	982.51	431.78
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*75.42*	
26 05 36 00-1604	EA	24" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray	1,135.35	504.27
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*86.26*	
26 05 36 00-1605	EA	30" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray	1,336.24	604.11
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*99.74*	
26 05 36 00-1606	EA	36" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray	1,482.85	672.95
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*110.27*	
26 05 36 00-1607		**24" Radius Horizontal Crosses** *(26 05 36 00-1494)*		
26 05 36 00-1608	EA	6" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray	936.80	336.48
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*84.44*	
26 05 36 00-1609	EA	12" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray	1,092.24	403.17
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*96.64*	
26 05 36 00-1610	EA	18" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray	1,309.84	504.27
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*112.43*	
26 05 36 00-1611	EA	24" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray	1,612.25	606.13
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*140.82*	
26 05 36 00-1612	EA	30" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray	1,772.83	672.95
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*153.77*	
26 05 36 00-1613	EA	36" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray	1,948.79	756.41
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*166.25*	
26 05 36 00-1614		**36" Radius Horizontal Crosses** *(26 05 36 00-1494)*		
26 05 36 00-1615	EA	6" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray	1,244.72	378.20
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*123.67*	
26 05 36 00-1616	EA	12" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray	1,452.10	465.82
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*140.19*	
26 05 36 00-1617	EA	18" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray	1,747.42	606.13
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*161.10*	
26 05 36 00-1618	EA	24" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray	1,994.01	672.95
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*186.94*	
26 05 36 00-1619	EA	30" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray	2,206.83	756.41
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*204.96*	
26 05 36 00-1620	EA	36" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray	2,446.71	863.44
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*223.09*	
26 05 36 00-1621		**Straight Reducers** *(26 05 36 00-1494)*		
26 05 36 00-1622	EA	12" To 6" Reducer, Solid Bottom, Steel Cable Tray	288.51	100.85
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*26.47*	
26 05 36 00-1623	EA	18" To 12" Reducer, Solid Bottom, Steel Cable Tray	312.85	113.96
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*27.93*	
26 05 36 00-1624	EA	24" To 18" Reducer, Solid Bottom, Steel Cable Tray	346.66	131.36
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*30.11*	
26 05 36 00-1625	EA	30" To 24" Reducer, Solid Bottom, Steel Cable Tray	389.76	151.28
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*33.25*	
26 05 36 00-1626	EA	36" To 30" Reducer, Solid Bottom, Steel Cable Tray	422.19	167.80
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*35.36*	
26 05 36 00-1627		**Reducers** *(26 05 36 00-1494)*		
26 05 36 00-1628	EA	18" To 6" Reducer, Solid Bottom, Steel Cable Tray	312.97	114.09
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*27.94*	
26 05 36 00-1629	EA	24" To 12" Reducer, Solid Bottom, Steel Cable Tray	344.66	131.61
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*29.77*	
26 05 36 00-1630	EA	30" To 12" Reducer, Solid Bottom, Steel Cable Tray	384.65	151.15
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*32.50*	
26 05 36 00-1631	EA	30" To 18" Reducer, Solid Bottom, Steel Cable Tray	386.90	151.03
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*32.86*	
26 05 36 00-1632	EA	36" To 12" Reducer, Solid Bottom, Steel Cable Tray	419.73	167.80
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*34.99*	
26 05 36 00-1633	EA	36" To 18" Reducer, Solid Bottom, Steel Cable Tray	422.19	167.80
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*35.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1634	EA	36" To 24" Reducer, Solid Bottom, Steel Cable Tray	425.14	168.05
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*35.76*	
26 05 36 00-1635		**Dropout Or End Plate** *(26 05 36 00-1494)*		
26 05 36 00-1636	EA	6" Dropout Or End Plate, Solid Bottom, Steel Cable Tray	88.10	37.82
26 05 36 00-1637	EA	12" Dropout Or End Plate, Solid Bottom, Steel Cable Tray	108.11	46.14
26 05 36 00-1638	EA	18" Dropout Or End Plate, Solid Bottom, Steel Cable Tray	124.69	54.72
26 05 36 00-1639	EA	24" Dropout Or End Plate, Solid Bottom, Steel Cable Tray	140.29	60.51
26 05 36 00-1640	EA	30" Dropout Or End Plate, Solid Bottom, Steel Cable Tray	156.20	67.19
26 05 36 00-1641	EA	36" Dropout Or End Plate, Solid Bottom, Steel Cable Tray	173.38	75.64
26 05 36 00-1642		**Solid Bottom Aluminum Straight Cable Tray Sections** *(26 05 36 00-1486)*		
26 05 36 00-1643	LF	6" Solid Bottom Aluminum Cable Tray, Straight Section	29.00	7.95
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*3.02*	
26 05 36 00-1644	LF	12" Solid Bottom Aluminum Cable Tray, Straight Section	36.14	9.33
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*3.87*	
26 05 36 00-1645	LF	18" Solid Bottom Aluminum Cable Tray, Straight Section	46.19	12.11
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*4.90*	
26 05 36 00-1646	LF	24" Solid Bottom Aluminum Cable Tray, Straight Section	54.92	13.36
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*6.02*	
26 05 36 00-1647	LF	30" Solid Bottom Aluminum Cable Tray, Straight Section	67.35	17.27
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*7.23*	
26 05 36 00-1648	LF	36" Solid Bottom Steel Aluminum Tray, Straight Section	80.05	18.91
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*8.85*	
26 05 36 00-1649		**Solid Bottom Aluminum Cable Tray Fittings** *(26 05 36 00-1486)*		
26 05 36 00-1650		**90 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1649)*		
26 05 36 00-1651	EA	6" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	336.86	126.20
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*29.50*	
26 05 36 00-1652	EA	12" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	407.26	158.85
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*34.61*	
26 05 36 00-1653	EA	18" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	470.56	177.88
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*40.94*	
26 05 36 00-1654	EA	24" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	548.04	208.89
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*47.38*	
26 05 36 00-1655	EA	30" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	647.37	242.43
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*56.70*	
26 05 36 00-1656	EA	36" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	731.75	275.20
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*63.89*	
26 05 36 00-1657		**90 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-1649)*		
26 05 36 00-1658	EA	6" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	399.03	131.36
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*37.95*	
26 05 36 00-1659	EA	12" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	494.04	168.30
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*46.07*	
26 05 36 00-1660	EA	18" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	558.48	189.10
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*52.26*	
26 05 36 00-1661	EA	24" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	674.09	224.03
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*63.77*	
26 05 36 00-1662	EA	30" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	781.92	262.60
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*73.52*	
26 05 36 00-1663	EA	36" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	899.89	302.56
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*84.56*	
26 05 36 00-1664		**90 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-1649)*		
26 05 36 00-1665	EA	6" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	495.77	137.29
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*51.49*	
26 05 36 00-1666	EA	12" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	617.51	178.26
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*62.92*	
26 05 36 00-1667	EA	18" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	716.52	202.09
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*73.81*	
26 05 36 00-1668	EA	24" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	810.52	241.79
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*81.28*	
26 05 36 00-1669	EA	30" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	941.34	288.31
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*93.16*	
26 05 36 00-1670	EA	36" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,098.84	335.34
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*108.95*	
26 05 36 00-1671		**45 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1649)*		
26 05 36 00-1672	EA	6" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	309.15	126.20
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*25.33*	
26 05 36 00-1673	EA	12" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	375.93	158.85
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*29.91*	
26 05 36 00-1674	EA	18" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	431.99	177.76
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*35.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1675	EA	24" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	503.33	208.51
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*40.75*	
26 05 36 00-1676	EA	30" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	593.84	242.43
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*48.67*	
26 05 36 00-1677	EA	36" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	670.35	274.45
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*54.81*	
26 05 36 00-1678		**45 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-1649)*		
26 05 36 00-1679	EA	6" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	359.59	131.49
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*32.02*	
26 05 36 00-1680	EA	12" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	446.79	168.05
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*39.00*	
26 05 36 00-1681	EA	18" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	505.58	189.48
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*44.26*	
26 05 36 00-1682	EA	24" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	607.95	224.03
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*53.85*	
26 05 36 00-1683	EA	30" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	707.42	263.36
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*62.22*	
26 05 36 00-1684	EA	36" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	812.86	302.56
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*71.50*	
26 05 36 00-1685		**45 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-1649)*		
26 05 36 00-1686	EA	6" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	437.35	137.41
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*42.70*	
26 05 36 00-1687	EA	12" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	546.45	177.88
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*52.32*	
26 05 36 00-1688	EA	18" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	632.96	202.09
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*61.27*	
26 05 36 00-1689	EA	24" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	721.90	242.43
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*67.88*	
26 05 36 00-1690	EA	30" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	839.94	288.31
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*77.95*	
26 05 36 00-1691	EA	36" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	982.02	336.48
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*91.22*	
26 05 36 00-1692		**90 Degree, 12" Radius Vertical Risers** *(26 05 36 00-1649)*		
26 05 36 00-1693	EA	6" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray	360.04	125.82
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*33.04*	
26 05 36 00-1694	EA	12" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray	421.11	158.85
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*36.68*	
26 05 36 00-1695	EA	18" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray	472.54	177.88
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*41.23*	
26 05 36 00-1696	EA	24" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray	534.19	208.89
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*45.30*	
26 05 36 00-1697	EA	30" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray	601.87	242.43
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*49.87*	
26 05 36 00-1698	EA	36" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray	661.18	274.45
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*53.43*	
26 05 36 00-1699		**90 Degree, 24" Radius Vertical Risers** *(26 05 36 00-1649)*		
26 05 36 00-1700	EA	6" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray	432.66	131.36
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*43.00*	
26 05 36 00-1701	EA	12" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray	511.84	168.30
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*48.74*	
26 05 36 00-1702	EA	18" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray	564.41	189.10
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*53.14*	
26 05 36 00-1703	EA	24" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray	644.42	224.03
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*59.32*	
26 05 36 00-1704	EA	30" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray	724.56	262.60
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*64.91*	
26 05 36 00-1705	EA	36" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray	820.77	302.56
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*72.69*	
26 05 36 00-1706		**90 Degree, 36" Radius Vertical Risers** *(26 05 36 00-1649)*		
26 05 36 00-1707	EA	6" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray	509.61	137.29
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*53.57*	
26 05 36 00-1708	EA	12" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray	613.55	178.26
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*62.33*	
26 05 36 00-1709	EA	18" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray	680.91	202.09
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*68.46*	
26 05 36 00-1710	EA	24" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray	761.07	241.79
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*73.86*	
26 05 36 00-1711	EA	30" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray	876.06	288.31
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*83.37*	
26 05 36 00-1712	EA	36" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray	970.26	335.34
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*89.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1713		**12" Radius Horizontal Tees** *(26 05 36 00-1649)*		
26 05 36 00-1714	EA	6" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	599.38	242.17
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*49.55*	
26 05 36 00-1715	EA	12" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	694.80	274.45
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*58.48*	
26 05 36 00-1716	EA	18" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	771.32	302.56
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*65.27*	
26 05 36 00-1717	EA	24" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	859.50	336.48
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*72.85*	
26 05 36 00-1718	EA	30" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	1,016.19	403.17
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*85.23*	
26 05 36 00-1719	EA	36" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	1,236.07	504.27
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*101.37*	
26 05 36 00-1720		**24" Radius Horizontal Tees** *(26 05 36 00-1649)*		
26 05 36 00-1721	EA	6" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	760.77	262.98
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*70.28*	
26 05 36 00-1722	EA	12" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	868.24	302.56
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*79.81*	
26 05 36 00-1723	EA	18" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	971.25	335.84
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*89.71*	
26 05 36 00-1724	EA	24" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,176.42	403.17
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*109.26*	
26 05 36 00-1725	EA	30" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,414.10	504.27
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*128.07*	
26 05 36 00-1726	EA	36" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,561.75	551.29
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*142.38*	
26 05 36 00-1727		**36" Radius Horizontal Tees** *(26 05 36 00-1649)*		
26 05 36 00-1728	EA	6" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,004.64	288.31
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*102.65*	
26 05 36 00-1729	EA	12" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,133.45	335.84
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*114.04*	
26 05 36 00-1730	EA	18" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,293.01	378.20
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*130.92*	
26 05 36 00-1731	EA	24" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,545.84	464.56
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*154.44*	
26 05 36 00-1732	EA	30" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,860.75	606.13
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*178.10*	
26 05 36 00-1733	EA	36" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	2,071.09	672.95
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*198.50*	
26 05 36 00-1734		**12" Radius Vertical Tees** *(26 05 36 00-1649)*		
26 05 36 00-1735	EA	6" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	682.46	242.17
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*62.01*	
26 05 36 00-1736	EA	12" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	742.94	274.82
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*65.63*	
26 05 36 00-1737	EA	18" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	776.43	287.81
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*68.49*	
26 05 36 00-1738	EA	24" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	819.96	302.06
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*72.65*	
26 05 36 00-1739	EA	30" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	903.99	335.84
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*79.62*	
26 05 36 00-1740	EA	36" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	1,035.97	403.17
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*88.20*	
26 05 36 00-1741		**24" Radius Vertical Tees** *(26 05 36 00-1649)*		
26 05 36 00-1742	EA	6" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	849.79	262.98
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*83.63*	
26 05 36 00-1743	EA	12" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	939.46	302.56
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*90.49*	
26 05 36 00-1744	EA	18" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	995.45	318.32
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*96.26*	
26 05 36 00-1745	EA	24" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,064.22	335.84
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*103.65*	
26 05 36 00-1746	EA	30" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,184.21	378.20
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*114.60*	
26 05 36 00-1747	EA	36" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,357.92	464.56
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*126.25*	
26 05 36 00-1748		**36" Radius Vertical Tees** *(26 05 36 00-1649)*		
26 05 36 00-1749	EA	6" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,122.60	287.81
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*120.42*	
26 05 36 00-1750	EA	12" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,225.49	331.81
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*128.53*	
26 05 36 00-1751	EA	18" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,304.54	355.51
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*136.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1752	EA	24" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,362.24	378.20
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*141.30*	
26 05 36 00-1753	EA	30" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,510.81	431.78
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*154.67*	
26 05 36 00-1754	EA	36" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,003.23	549.66
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*58.87*	
26 05 36 00-1755		**12" Radius Horizontal Crosses** *(26 05 36 00-1649)*		
26 05 36 00-1756	EA	6" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray	707.33	274.82
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*60.29*	
26 05 36 00-1757	EA	12" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray	785.16	302.56
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*67.35*	
26 05 36 00-1758	EA	18" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray	912.88	355.51
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*77.69*	
26 05 36 00-1759	EA	24" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray	1,083.53	431.78
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*90.57*	
26 05 36 00-1760	EA	30" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray	1,185.82	464.56
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*100.44*	
26 05 36 00-1761	EA	36" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray	1,373.83	551.29
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*114.19*	
26 05 36 00-1762		**24" Radius Horizontal Crosses** *(26 05 36 00-1649)*		
26 05 36 00-1763	EA	6" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray	940.26	303.06
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*90.53*	
26 05 36 00-1764	EA	12" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,064.22	335.84
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*103.65*	
26 05 36 00-1765	EA	18" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,219.94	403.17
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*115.79*	
26 05 36 00-1766	EA	24" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,505.37	505.65
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*141.54*	
26 05 36 00-1767	EA	30" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,650.76	551.29
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*155.73*	
26 05 36 00-1768	EA	36" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,883.17	672.95
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*170.32*	
26 05 36 00-1769		**36" Radius Horizontal Crosses** *(26 05 36 00-1649)*		
26 05 36 00-1770	EA	6" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,301.60	335.84
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*139.26*	
26 05 36 00-1771	EA	12" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,431.48	378.20
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*151.69*	
26 05 36 00-1772	EA	18" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,666.43	465.82
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*172.34*	
26 05 36 00-1773	EA	24" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,979.44	606.13
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*195.90*	
26 05 36 00-1774	EA	30" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray	2,169.99	672.95
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*213.34*	
26 05 36 00-1775	EA	36" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray	2,487.11	756.41
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*247.00*	
26 05 36 00-1776		**Straight Reducers** *(26 05 36 00-1649)*		
26 05 36 00-1777	EA	12" To 6" Reducer, Solid Bottom, Aluminum Cable Tray	266.82	86.48
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*25.61*	
26 05 36 00-1778	EA	18" To 12" Reducer, Solid Bottom, Aluminum Cable Tray	294.42	100.72
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*27.38*	
26 05 36 00-1779	EA	24" To 18" Reducer, Solid Bottom, Aluminum Cable Tray	324.48	113.96
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*29.68*	
26 05 36 00-1780	EA	30" To 24" Reducer, Solid Bottom, Aluminum Cable Tray	365.56	131.49
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*32.92*	
26 05 36 00-1781	EA	36" To 30" Reducer, Solid Bottom, Aluminum Cable Tray	406.03	151.03
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*35.73*	
26 05 36 00-1782		**Reducers** *(26 05 36 00-1649)*		
26 05 36 00-1783	EA	18" To 6" Reducer, Solid Bottom, Aluminum Cable Tray	292.53	100.72
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*27.09*	
26 05 36 00-1784	EA	24" To 12" Reducer, Solid Bottom, Aluminum Cable Tray	322.84	114.21
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*29.40*	
26 05 36 00-1785	EA	30" To 12" Reducer, Solid Bottom, Aluminum Cable Tray	361.44	131.36
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*32.31*	
26 05 36 00-1786	EA	30" To 18" Reducer, Solid Bottom, Aluminum Cable Tray	363.27	131.36
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*32.60*	
26 05 36 00-1787	EA	36" To 12" Reducer, Solid Bottom, Aluminum Cable Tray	406.03	151.03
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*35.73*	
26 05 36 00-1788	EA	36" To 18" Reducer, Solid Bottom, Aluminum Cable Tray	408.01	151.03
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*36.03*	
26 05 36 00-1789	EA	36" To 24" Reducer, Solid Bottom, Aluminum Cable Tray	412.37	151.28
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*36.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1790		**Dropout Or End Plate** *(26 05 36 00-1649)*		
26 05 36 00-1791	EA	6" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray	88.05	37.82
26 05 36 00-1792	EA	12" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray	105.19	46.14
26 05 36 00-1793	EA	18" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray	125.10	54.72
26 05 36 00-1794	EA	24" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray	138.14	60.51
26 05 36 00-1795	EA	30" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray	155.48	67.19
26 05 36 00-1796	EA	36" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray	176.51	75.64
26 05 36 00-1797		**Vented Bottom Cable Tray** *(26 05 36 00-0001)* Note: 6" Height.		
26 05 36 00-1798		**Vented Bottom Galvanized Steel Cable Tray** *(26 05 36 00-1797)*		
26 05 36 00-1799	LF	6" Vented Bottom Steel Cable Tray, Straight Section	42.06	13.24
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-3.10*	
26 05 36 00-1800	LF	12" Vented Bottom Steel Cable Tray, Straight Section	49.51	15.13
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-3.69*	
26 05 36 00-1801	LF	18" Vented Bottom Steel Cable Tray, Straight Section	58.31	17.40
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-4.38*	
26 05 36 00-1802	LF	24" Vented Bottom Steel Cable Tray, Straight Section	66.91	19.92
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-5.03*	
26 05 36 00-1803	LF	30" Vented Bottom Steel Cable Tray, Straight Section	88.44	24.08
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-6.83*	
26 05 36 00-1804	LF	36" Vented Bottom Steel Cable Tray, Straight Section	104.51	30.25
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-7.92*	
26 05 36 00-1805		**Vented Bottom Galvanized Steel Cable Tray Fittings** *(26 05 36 00-1797)*		
26 05 36 00-1806		**90 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1805)*		
26 05 36 00-1807	EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	388.41	159.35
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-25.57*	
26 05 36 00-1808	EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	505.24	215.58
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-32.56*	
26 05 36 00-1809	EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	625.78	274.82
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-39.67*	
26 05 36 00-1810	EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	767.54	336.48
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-48.71*	
26 05 36 00-1811	EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	865.91	378.96
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-55.01*	
26 05 36 00-1812	EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	992.27	432.66
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-63.17*	
26 05 36 00-1813		**90 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-1805)*		
26 05 36 00-1814	EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	461.37	167.92
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-32.14*	
26 05 36 00-1815	EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	597.17	232.84
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-40.31*	
26 05 36 00-1816	EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	756.95	302.56
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-50.48*	
26 05 36 00-1817	EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	915.18	378.20
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-60.00*	
26 05 36 00-1818	EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	979.66	390.68
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-65.41*	
26 05 36 00-1819	EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	1,221.77	504.27
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-80.15*	
26 05 36 00-1820		**90 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-1805)*		
26 05 36 00-1821	EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	566.99	177.51
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-41.90*	
26 05 36 00-1822	EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	730.89	252.52
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-52.05*	
26 05 36 00-1823	EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	932.93	336.48
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-65.25*	
26 05 36 00-1824	EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	1,112.37	431.78
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-75.26*	
26 05 36 00-1825	EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	1,281.50	504.27
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-86.13*	
26 05 36 00-1826	EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	1,498.51	604.11
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-99.50*	
26 05 36 00-1827		**45 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1805)*		
26 05 36 00-1828	EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	361.60	159.48
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-22.87*	
26 05 36 00-1829	EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	473.15	215.58
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-29.35*	
26 05 36 00-1830	EA	18" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	588.23	274.45
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-35.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1831	EA	24" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	721.06	335.84
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-44.12*	
26 05 36 00-1832	EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	814.36	378.96
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-49.86*	
26 05 36 00-1833	EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	930.99	431.78
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-57.12*	

26 05 36 00-1834 45 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-1805)*

26 05 36 00-1835	EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	421.70	168.05
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-28.16*	
26 05 36 00-1836	EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	551.18	232.84
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-35.71*	
26 05 36 00-1837	EA	18" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	702.16	303.06
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-44.96*	
26 05 36 00-1838	EA	24" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	852.52	378.20
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-53.74*	
26 05 36 00-1839	EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	977.43	432.66
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-61.68*	
26 05 36 00-1840	EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	1,137.88	504.27
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-71.77*	

26 05 36 00-1841 45 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-1805)*

26 05 36 00-1842	EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	507.92	177.88
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-35.97*	
26 05 36 00-1843	EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	661.55	251.76
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-45.17*	
26 05 36 00-1844	EA	18" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	851.06	336.48
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-57.07*	
26 05 36 00-1845	EA	24" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	1,027.60	432.66
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-66.70*	
26 05 36 00-1846	EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	1,184.47	504.27
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-76.42*	
26 05 36 00-1847	EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	1,393.60	606.13
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-88.85*	

26 05 36 00-1848 90 Degree, 12" Radius Vertical Risers *(26 05 36 00-1805)*

26 05 36 00-1849	EA	6" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	423.34	158.85
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-29.09*	
26 05 36 00-1850	EA	12" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	536.25	215.58
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-35.66*	
26 05 36 00-1851	EA	18" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	637.27	274.82
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-40.82*	
26 05 36 00-1852	EA	24" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	765.24	336.48
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-48.48*	
26 05 36 00-1853	EA	30" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	840.64	378.96
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-52.48*	
26 05 36 00-1854	EA	36" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	940.08	431.78
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-58.03*	

26 05 36 00-1855 90 Degree, 24" Radius Vertical Risers *(26 05 36 00-1805)*

26 05 36 00-1856	EA	6" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	507.32	167.92
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-36.74*	
26 05 36 00-1857	EA	12" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	629.33	232.84
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-43.53*	
26 05 36 00-1858	EA	18" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	770.74	302.56
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-51.86*	
26 05 36 00-1859	EA	24" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	906.00	378.20
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-59.08*	
26 05 36 00-1860	EA	30" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	1,029.67	431.78
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-66.99*	
26 05 36 00-1861	EA	36" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	1,164.34	504.27
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-74.41*	

26 05 36 00-1862 90 Degree, 36" Radius Vertical Risers *(26 05 36 00-1805)*

26 05 36 00-1863	EA	6" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	603.74	177.51
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-45.58*	
26 05 36 00-1864	EA	12" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	746.97	252.52
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-53.66*	
26 05 36 00-1865	EA	18" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	923.75	336.48
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-64.34*	
26 05 36 00-1866	EA	24" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	1,107.77	431.78
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-74.80*	
26 05 36 00-1867	EA	30" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	1,237.85	504.27
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-81.76*	
26 05 36 00-1868	EA	36" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	1,447.98	604.11
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-94.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 05 36 00-1869 12" Radius Horizontal Tees *(26 05 36 00-1805)*

26 05 36 00-1870	EA	6" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray	690.34	302.56
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-43.82*	
26 05 36 00-1871	EA	12" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray	835.82	377.44
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-52.13*	
26 05 36 00-1872	EA	18" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray	955.52	432.66
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-59.49*	
26 05 36 00-1873	EA	24" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray	1,111.51	504.27
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-69.13*	
26 05 36 00-1874	EA	30" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray	1,226.30	549.66
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-76.82*	
26 05 36 00-1875	EA	36" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray	1,346.90	604.11
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-84.34*	

26 05 36 00-1876 24" Radius Horizontal Tees *(26 05 36 00-1805)*

26 05 36 00-1877	EA	6" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray	867.61	335.84
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-58.77*	
26 05 36 00-1878	EA	12" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,054.94	431.78
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-69.52*	
26 05 36 00-1879	EA	18" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,214.88	504.27
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-79.47*	
26 05 36 00-1880	EA	24" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,493.92	604.11
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-99.05*	
26 05 36 00-1881	EA	30" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,649.93	672.95
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-108.91*	
26 05 36 00-1882	EA	36" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,844.15	756.41
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-121.38*	

26 05 36 00-1883 36" Radius Horizontal Tees *(26 05 36 00-1805)*

26 05 36 00-1884	EA	6" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,071.39	378.20
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-75.62*	
26 05 36 00-1885	EA	12" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,343.52	504.27
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-92.33*	
26 05 36 00-1886	EA	18" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,559.17	606.13
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-105.41*	
26 05 36 00-1887	EA	24" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,922.25	756.41
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-129.19*	
26 05 36 00-1888	EA	30" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray	2,146.35	867.47
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-142.35*	
26 05 36 00-1889	EA	36" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray	2,503.39	1,005.89
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-166.52*	

26 05 36 00-1890 12" Radius Vertical Tees *(26 05 36 00-1805)*

26 05 36 00-1891	EA	6" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray	814.38	302.56
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-56.22*	
26 05 36 00-1892	EA	12" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray	945.05	378.20
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-62.99*	
26 05 36 00-1893	EA	18" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray	993.60	403.17
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-65.76*	
26 05 36 00-1894	EA	24" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray	1,059.53	431.78
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-69.98*	
26 05 36 00-1895	EA	30" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray	1,136.93	465.82
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-74.88*	
26 05 36 00-1896	EA	36" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray	1,283.73	549.66
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-82.56*	

26 05 36 00-1897 24" Radius Vertical Tees *(26 05 36 00-1805)*

26 05 36 00-1898	EA	6" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray	975.58	335.84
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-69.57*	
26 05 36 00-1899	EA	12" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,156.01	431.78
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-79.62*	
26 05 36 00-1900	EA	18" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,233.41	465.82
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-84.53*	
26 05 36 00-1901	EA	24" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,332.03	504.27
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-91.18*	
26 05 36 00-1902	EA	30" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,433.04	549.66
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-97.49*	
26 05 36 00-1903	EA	36" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,682.09	672.95
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-112.13*	

26 05 36 00-1904 36" Radius Vertical Tees *(26 05 36 00-1805)*

26 05 36 00-1905	EA	6" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,290.65	377.44
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-97.61*	
26 05 36 00-1906	EA	12" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,518.10	504.27
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-109.79*	
26 05 36 00-1907	EA	18" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,616.81	549.66
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-115.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1908	EA	24" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,756.73	606.13
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-125.17*	
26 05 36 00-1909	EA	30" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,983.01	672.95
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-142.22*	
26 05 36 00-1910	EA	36" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray	2,312.04	863.44
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-159.25*	
26 05 36 00-1911		**12" Radius Horizontal Crosses** *(26 05 36 00-1805)*		
26 05 36 00-1912	EA	6" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray	869.24	378.20
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-55.41*	
26 05 36 00-1913	EA	12" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray	962.41	432.66
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-60.18*	
26 05 36 00-1914	EA	18" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray	1,109.21	504.27
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-68.90*	
26 05 36 00-1915	EA	24" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray	1,289.48	604.11
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-78.60*	
26 05 36 00-1916	EA	30" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray	1,434.62	670.56
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-87.58*	
26 05 36 00-1917	EA	36" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray	1,616.73	756.41
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-98.64*	
26 05 36 00-1918		**24" Radius Horizontal Crosses** *(26 05 36 00-1805)*		
26 05 36 00-1919	EA	6" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray	1,095.64	432.66
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-73.50*	
26 05 36 00-1920	EA	12" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray	1,233.26	504.27
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-81.30*	
26 05 36 00-1921	EA	18" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray	1,438.79	604.11
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-93.53*	
26 05 36 00-1922	EA	24" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray	1,809.69	756.41
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-117.94*	
26 05 36 00-1923	EA	30" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray	2,045.57	863.44
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-132.60*	
26 05 36 00-1924	EA	36" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray	2,319.63	1,005.89
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-148.14*	
26 05 36 00-1925		**36" Radius Horizontal Crosses** *(26 05 36 00-1805)*		
26 05 36 00-1926	EA	6" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray	1,472.16	504.27
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-105.19*	
26 05 36 00-1927	EA	12" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray	1,674.03	606.13
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-116.90*	
26 05 36 00-1928	EA	18" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray	1,938.33	756.41
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-130.80*	
26 05 36 00-1929	EA	24" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray	2,500.87	1,011.19
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-165.82*	
26 05 36 00-1930	EA	30" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray	2,916.19	1,212.14
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-190.60*	
26 05 36 00-1931	EA	36" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray	3,486.14	1,512.81
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-222.55*	
26 05 36 00-1932		**Straight Reducers** *(26 05 36 00-1805)*		
26 05 36 00-1933	EA	12" To 6" Reducer, Vented Bottom, Steel Cable Tray	330.70	128.84
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-22.34*	
26 05 36 00-1934	EA	18" To 12" Reducer, Vented Bottom, Steel Cable Tray	360.45	143.97
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-24.05*	
26 05 36 00-1935	EA	24" To 18" Reducer, Vented Bottom, Steel Cable Tray	408.29	167.80
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-26.85*	
26 05 36 00-1936	EA	30" To 24" Reducer, Vented Bottom, Steel Cable Tray	448.40	189.10
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-29.08*	
26 05 36 00-1937	EA	36" To 30" Reducer, Vented Bottom, Steel Cable Tray	489.52	208.26
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-31.60*	
26 05 36 00-1938		**Reducers** *(26 05 36 00-1805)*		
26 05 36 00-1939	EA	18" To 6" Reducer, Vented Bottom, Steel Cable Tray	360.45	143.97
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-24.05*	
26 05 36 00-1940	EA	24" To 12" Reducer, Vented Bottom, Steel Cable Tray	406.49	168.05
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-26.64*	
26 05 36 00-1941	EA	30" To 12" Reducer, Vented Bottom, Steel Cable Tray	445.79	188.85
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-28.84*	
26 05 36 00-1942	EA	30" To 18" Reducer, Vented Bottom, Steel Cable Tray	447.77	188.72
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-29.05*	
26 05 36 00-1943	EA	36" To 12" Reducer, Vented Bottom, Steel Cable Tray	487.22	208.26
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-31.37*	
26 05 36 00-1944	EA	36" To 18" Reducer, Vented Bottom, Steel Cable Tray	489.52	208.26
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-31.60*	
26 05 36 00-1945	EA	36" To 24" Reducer, Vented Bottom, Steel Cable Tray	492.59	208.76
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-31.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1946		**Dropout Or End Plate** *(26 05 36 00-1805)*		
26 05 36 00-1947	EA	6" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	105.21	46.52
26 05 36 00-1948	EA	12" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	124.78	54.59
26 05 36 00-1949	EA	18" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	137.53	60.26
26 05 36 00-1950	EA	24" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	154.69	67.19
26 05 36 00-1951	EA	30" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	171.63	75.51
26 05 36 00-1952	EA	36" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	201.05	90.26
26 05 36 00-1953		**Vented Bottom Aluminum Cable Tray** *(26 05 36 00-1797)*		
26 05 36 00-1954	LF	6" Vented Bottom Aluminum Cable Tray, Straight Section	39.90	9.83
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-3.17*	
26 05 36 00-1955	LF	9" Vented Bottom Aluminum Cable Tray, Straight Section	44.28	10.84
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-3.53*	
26 05 36 00-1956	LF	12" Vented Bottom Aluminum Cable Tray, Straight Section	49.55	12.11
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-3.95*	
26 05 36 00-1957	LF	18" Vented Bottom Aluminum Cable Tray, Straight Section	57.78	13.49
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-4.65*	
26 05 36 00-1958	LF	24" Vented Bottom Aluminum Cable Tray, Straight Section	66.37	15.00
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-5.39*	
26 05 36 00-1959	LF	30" Vented Bottom Aluminum Cable Tray, Straight Section	84.49	17.27
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-7.01*	
26 05 36 00-1960	LF	36" Vented Bottom Aluminum Cable Tray, Straight Section	93.90	20.29
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-7.70*	
26 05 36 00-1961		**Vented Bottom Aluminum Cable Tray Fittings** *(26 05 36 00-1797)*		
26 05 36 00-1962		**90 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1961)*		
26 05 36 00-1963	EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	455.93	159.35
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-32.32*	
26 05 36 00-1964	EA	9" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	495.33	172.97
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-35.12*	
26 05 36 00-1965	EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	545.36	194.77
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-38.31*	
26 05 36 00-1966	EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	616.43	215.83
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-43.65*	
26 05 36 00-1967	EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	737.00	263.36
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-51.75*	
26 05 36 00-1968	EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	872.11	303.06
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-61.96*	
26 05 36 00-1969	EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	960.96	336.48
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-68.06*	
26 05 36 00-1970		**90 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-1961)*		
26 05 36 00-1971	EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	555.87	167.92
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-41.59*	
26 05 36 00-1972	EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	670.75	208.76
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-49.68*	
26 05 36 00-1973	EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	760.69	232.84
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-56.66*	
26 05 36 00-1974	EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	904.70	287.81
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-66.48*	
26 05 36 00-1975	EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,044.52	335.34
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-76.51*	
26 05 36 00-1976	EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,154.68	378.20
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-83.95*	
26 05 36 00-1977		**90 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-1961)*		
26 05 36 00-1978	EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	685.05	177.51
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-53.71*	
26 05 36 00-1979	EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	818.17	224.28
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-63.12*	
26 05 36 00-1980	EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	925.80	252.52
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-71.54*	
26 05 36 00-1981	EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,082.53	318.32
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-81.72*	
26 05 36 00-1982	EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,162.67	308.49
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-90.56*	
26 05 36 00-1983	EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,423.28	431.78
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-106.35*	
26 05 36 00-1984		**45 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1961)*		
26 05 36 00-1985	EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	414.27	159.48
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-28.14*	
26 05 36 00-1986	EA	9" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	450.05	173.22
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-30.57*	
26 05 36 00-1987	EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	496.78	194.77
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-33.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1988	EA	18" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	559.56	215.58
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-37.99*	
26 05 36 00-1989	EA	24" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	670.82	262.98
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-45.17*	
26 05 36 00-1990	EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	791.36	303.06
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-53.88*	
26 05 36 00-1991	EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	871.92	335.84
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-59.20*	
26 05 36 00-1992		**45 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-1961)*		
26 05 36 00-1993	EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	495.41	168.05
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-35.53*	
26 05 36 00-1994	EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	599.72	208.76
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-42.58*	
26 05 36 00-1995	EA	18" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	679.22	233.23
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-48.49*	
26 05 36 00-1996	EA	24" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	811.93	288.31
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-57.17*	
26 05 36 00-1997	EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	939.65	336.48
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-65.93*	
26 05 36 00-1998	EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,039.33	378.20
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-72.42*	
26 05 36 00-1999		**45 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-1961)*		
26 05 36 00-2000	EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	600.00	177.88
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-45.18*	
26 05 36 00-2001	EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	719.54	223.77
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-53.31*	
26 05 36 00-2002	EA	18" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	814.70	252.52
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-60.43*	
26 05 36 00-2003	EA	24" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	961.99	318.95
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-69.63*	
26 05 36 00-2004	EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,099.39	356.14
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-80.26*	
26 05 36 00-2005	EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,270.11	432.66
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-90.95*	
26 05 36 00-2006		**90 Degree, 12" Radius Vertical Risers** *(26 05 36 00-1961)*		
26 05 36 00-2007	EA	6" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	496.65	158.85
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-36.42*	
26 05 36 00-2008	EA	9" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	533.17	172.59
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-38.94*	
26 05 36 00-2009	EA	12" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	572.95	194.77
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-41.07*	
26 05 36 00-2010	EA	18" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	616.43	215.83
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-43.65*	
26 05 36 00-2011	EA	24" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	723.20	263.36
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-50.37*	
26 05 36 00-2012	EA	30" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	803.12	303.06
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-55.06*	
26 05 36 00-2013	EA	36" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	860.61	335.84
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-58.07*	
26 05 36 00-2014		**90 Degree, 24" Radius Vertical Risers** *(26 05 36 00-1961)*		
26 05 36 00-2015	EA	6" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	591.75	167.92
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-45.18*	
26 05 36 00-2016	EA	12" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	687.31	208.76
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-51.34*	
26 05 36 00-2017	EA	18" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	757.93	232.84
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-56.39*	
26 05 36 00-2018	EA	24" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	855.76	288.31
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-61.55*	
26 05 36 00-2019	EA	30" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	954.44	335.84
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-67.45*	
26 05 36 00-2020	EA	36" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,044.29	378.20
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-72.91*	
26 05 36 00-2021		**90 Degree, 36" Radius Vertical Risers** *(26 05 36 00-1961)*		
26 05 36 00-2022	EA	6" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	682.29	177.51
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-53.43*	
26 05 36 00-2023	EA	12" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	787.81	224.28
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-60.09*	
26 05 36 00-2024	EA	18" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	884.41	252.52
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-67.40*	
26 05 36 00-2025	EA	24" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,032.85	318.32
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-76.76*	
26 05 36 00-2026	EA	30" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,145.48	356.14
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-84.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2027	EA	36" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,288.06	431.78
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-92.83*	

26 05 36 00-2028 12" Radius Horizontal Tees *(26 05 36 00-1961)*

26 05 36 00-2029	EA	6" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	794.04	302.56
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-54.19*	
26 05 36 00-2030	EA	9" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	828.64	318.32
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-56.33*	
26 05 36 00-2031	EA	12" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	881.69	335.34
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-60.23*	
26 05 36 00-2032	EA	18" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,006.92	378.96
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-69.11*	
26 05 36 00-2033	EA	24" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,150.07	431.78
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-79.03*	
26 05 36 00-2034	EA	30" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,301.32	504.27
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-88.11*	
26 05 36 00-2035	EA	36" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,440.53	549.66
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-98.24*	

26 05 36 00-2036 24" Radius Horizontal Tees *(26 05 36 00-1961)*

26 05 36 00-2037	EA	6" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,001.35	335.84
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-72.15*	
26 05 36 00-2038	EA	12" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,131.34	377.44
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-81.68*	
26 05 36 00-2039	EA	18" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,271.50	431.78
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-91.17*	
26 05 36 00-2040	EA	24" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,528.13	502.88
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-110.90*	
26 05 36 00-2041	EA	30" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,755.28	606.13
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-125.02*	
26 05 36 00-2042	EA	36" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,990.89	672.95
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-143.01*	

26 05 36 00-2043 36" Radius Horizontal Tees *(26 05 36 00-1961)*

26 05 36 00-2044	EA	6" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,339.58	378.20
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-102.44*	
26 05 36 00-2045	EA	12" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,533.67	431.78
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-117.39*	
26 05 36 00-2046	EA	18" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,626.43	421.20
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-127.55*	
26 05 36 00-2047	EA	24" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	2,083.21	604.11
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-157.97*	
26 05 36 00-2048	EA	30" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	2,411.01	759.43
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-177.81*	
26 05 36 00-2049	EA	36" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	2,763.78	863.44
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-204.42*	

26 05 36 00-2050 12" Radius Vertical Tees *(26 05 36 00-1961)*

26 05 36 00-2051	EA	6" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	901.67	302.56
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-64.95*	
26 05 36 00-2052	EA	9" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	930.75	318.32
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-66.55*	
26 05 36 00-2053	EA	12" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	990.31	335.84
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-71.04*	
26 05 36 00-2054	EA	18" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,026.81	356.14
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-73.00*	
26 05 36 00-2055	EA	24" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,073.39	377.44
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-75.89*	
26 05 36 00-2056	EA	30" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,135.63	403.17
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-79.96*	
26 05 36 00-2057	EA	36" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,257.32	464.56
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-87.01*	

26 05 36 00-2058 24" Radius Vertical Tees *(26 05 36 00-1961)*

26 05 36 00-2059	EA	6" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,122.78	335.84
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-84.29*	
26 05 36 00-2060	EA	12" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,236.21	377.44
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-92.17*	
26 05 36 00-2061	EA	18" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,320.53	403.17
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-98.45*	
26 05 36 00-2062	EA	24" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,409.48	431.78
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-104.97*	
26 05 36 00-2063	EA	30" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,519.49	464.56
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-113.23*	
26 05 36 00-2064	EA	36" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,677.78	551.29
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-121.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2065		**36" Radius Vertical Tees** *(26 05 36 00-1961)*		
26 05 36 00-2066	EA	6" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,498.38	377.44
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-118.38*	
26 05 36 00-2067	EA	12" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,644.06	431.78
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-128.43*	
26 05 36 00-2068	EA	18" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,726.46	464.56
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-133.93*	
26 05 36 00-2069	EA	24" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,863.79	505.65
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-144.24*	
26 05 36 00-2070	EA	30" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	2,022.74	551.29
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-156.33*	
26 05 36 00-2071	EA	36" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	2,276.69	670.56
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-171.79*	
26 05 36 00-2072		**12" Radius Horizontal Crosses** *(26 05 36 00-1961)*		
26 05 36 00-2073	EA	6" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	921.32	335.84
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-64.14*	
26 05 36 00-2074	EA	9" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	979.90	356.14
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-68.31*	
26 05 36 00-2075	EA	12" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,029.00	378.96
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-71.32*	
26 05 36 00-2076	EA	18" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,136.27	431.78
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-77.65*	
26 05 36 00-2077	EA	24" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,301.84	502.88
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-88.27*	
26 05 36 00-2078	EA	30" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,476.51	548.14
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-101.97*	
26 05 36 00-2079	EA	36" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,800.47	672.95
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-123.97*	
26 05 36 00-2080		**24" Radius Horizontal Crosses** *(26 05 36 00-1961)*		
26 05 36 00-2081	EA	6" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,280.13	378.96
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-96.43*	
26 05 36 00-2082	EA	12" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,428.80	431.78
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-106.90*	
26 05 36 00-2083	EA	18" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,602.65	502.88
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-118.35*	
26 05 36 00-2084	EA	24" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,890.03	604.11
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-138.66*	
26 05 36 00-2085	EA	30" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	2,069.71	670.56
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-151.09*	
26 05 36 00-2086	EA	36" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	2,515.41	863.44
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-179.58*	
26 05 36 00-2087		**36" Radius Horizontal Crosses** *(26 05 36 00-1961)*		
26 05 36 00-2088	EA	6" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,782.04	431.78
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-142.23*	
26 05 36 00-2089	EA	12" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,974.18	505.65
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-155.28*	
26 05 36 00-2090	EA	18" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray	2,234.99	604.11
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-173.15*	
26 05 36 00-2091	EA	24" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray	2,686.98	759.43
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-205.41*	
26 05 36 00-2092	EA	30" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray	2,991.16	867.47
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-226.83*	
26 05 36 00-2093	EA	36" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray	3,470.23	1,005.89
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-263.20*	
26 05 36 00-2094		**Straight Reducers** *(26 05 36 00-1961)*		
26 05 36 00-2095	EA	9" To 6" Reducer, Vented Bottom, Aluminum Cable Tray	344.80	100.85
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-26.07*	
26 05 36 00-2096	EA	12" To 9" Reducer, Vented Bottom, Aluminum Cable Tray	361.96	106.28
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-27.34*	
26 05 36 00-2097	EA	18" To 12" Reducer, Vented Bottom, Aluminum Cable Tray	408.68	125.94
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-30.37*	
26 05 36 00-2098	EA	24" To 18" Reducer, Vented Bottom, Aluminum Cable Tray	452.17	143.85
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-33.23*	
26 05 36 00-2099	EA	30" To 24" Reducer, Vented Bottom, Aluminum Cable Tray	498.17	168.05
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-35.81*	
26 05 36 00-2100	EA	36" To 30" Reducer, Vented Bottom, Aluminum Cable Tray	540.84	188.72
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-38.36*	
26 05 36 00-2101		**Reducers** *(26 05 36 00-1961)*		
26 05 36 00-2102	EA	12" To 6" Reducer, Vented Bottom, Aluminum Cable Tray	361.67	106.03
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-27.33*	
26 05 36 00-2103	EA	18" To 6" Reducer, Vented Bottom, Aluminum Cable Tray	408.54	125.94
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-30.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2104	EA	18" To 9" Reducer, Vented Bottom, Aluminum Cable Tray	408.54	125.94
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-30.36*	
26 05 36 00-2105	EA	24" To 6" Reducer, Vented Bottom, Aluminum Cable Tray	452.35	143.97
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-33.24*	
26 05 36 00-2106	EA	24" To 9" Reducer, Vented Bottom, Aluminum Cable Tray	452.35	143.97
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-33.24*	
26 05 36 00-2107	EA	24" To 12" Reducer, Vented Bottom, Aluminum Cable Tray	452.72	144.10
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-33.26*	
26 05 36 00-2108	EA	30" To 12" Reducer, Vented Bottom, Aluminum Cable Tray	503.44	167.92
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-36.35*	
26 05 36 00-2109	EA	30" To 18" Reducer, Vented Bottom, Aluminum Cable Tray	497.67	167.80
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-35.78*	
26 05 36 00-2110	EA	36" To 12" Reducer, Vented Bottom, Aluminum Cable Tray	540.84	188.72
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-38.36*	
26 05 36 00-2111	EA	36" To 18" Reducer, Vented Bottom, Aluminum Cable Tray	540.84	188.72
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-38.36*	
26 05 36 00-2112	EA	36" To 24" Reducer, Vented Bottom, Aluminum Cable Tray	541.47	189.10
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-38.39*	

26 05 36 00-2113 Dropout Or End Plate *(26 05 36 00-1961)*

26 05 36 00-2114	EA	6" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	113.68	46.52
26 05 36 00-2115	EA	9" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	124.05	50.81
26 05 36 00-2116	EA	12" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	133.68	54.59
26 05 36 00-2117	EA	18" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	151.90	60.26
26 05 36 00-2118	EA	24" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	174.17	67.19
26 05 36 00-2119	EA	30" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	192.15	75.51
26 05 36 00-2120	EA	36" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	220.00	86.48

26 05 36 00-2121 Cable Tray Covers And Dividers *(26 05 36 00-0001)*

26 05 36 00-2122 Galvanized Steel Covers *(26 05 36 00-2121)*

26 05 36 00-2123 Ventilated Straight Sections *(26 05 36 00-2122)*

26 05 36 00-2124	LF	6" Steel Cable Tray Cover, Straight Section	11.09	2.26
26 05 36 00-2125	LF	9" Steel Cable Tray Cover, Straight Section	13.37	2.65
26 05 36 00-2126	LF	12" Steel Cable Tray Cover, Straight Section	15.71	3.03
26 05 36 00-2127	LF	18" Steel Cable Tray Cover, Straight Section	21.30	4.04
26 05 36 00-2128	LF	24" Steel Cable Tray Cover, Straight Section	27.02	5.42
26 05 36 00-2129	LF	30" Steel Cable Tray Cover, Straight Section	32.77	6.68
26 05 36 00-2130	LF	36" Steel Cable Tray Cover, Straight Section	151.01	75.77

26 05 36 00-2131 90 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-2122)*

26 05 36 00-2132	EA	6" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	67.48	8.07
26 05 36 00-2133	EA	9" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	75.48	9.46
26 05 36 00-2134	EA	12" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	81.79	11.22
26 05 36 00-2135	EA	18" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	111.23	14.37
26 05 36 00-2136	EA	24" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	136.20	18.28
26 05 36 00-2137	EA	30" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	164.66	20.29
26 05 36 00-2138	EA	36" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	198.89	24.20

26 05 36 00-2139 90 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-2122)*

26 05 36 00-2140	EA	6" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	104.45	8.95
26 05 36 00-2141	EA	9" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	109.28	10.46
26 05 36 00-2142	EA	12" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	123.28	12.61
26 05 36 00-2143	EA	18" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	152.94	16.01
26 05 36 00-2144	EA	24" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	187.57	20.17
26 05 36 00-2145	EA	30" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	240.91	23.20
26 05 36 00-2146	EA	36" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	280.20	27.48

26 05 36 00-2147 90 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-2122)*

26 05 36 00-2148	EA	6" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	147.67	10.08
26 05 36 00-2149	EA	9" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	164.13	11.59
26 05 36 00-2150	EA	12" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	177.90	14.37
26 05 36 00-2151	EA	18" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	225.57	16.77
26 05 36 00-2152	EA	24" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	273.09	23.32
26 05 36 00-2153	EA	30" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	321.82	26.35
26 05 36 00-2154	EA	36" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	376.54	30.25

26 05 36 00-2155 45 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-2122)*

26 05 36 00-2156	EA	6" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	51.87	8.07
		For 60 Degree Bend, Deduct	*-14.01*	
		For 30 Degree Bend, Deduct	*-23.80*	
26 05 36 00-2157	EA	9" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	61.69	9.46
		For 60 Degree Bend, Deduct	*-16.74*	
		For 30 Degree Bend, Deduct	*-28.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2158	EA	12" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	69.16	11.22
		For 60 Degree Bend, Deduct	*-18.54*	
		For 30 Degree Bend, Deduct	*-31.52*	
26 05 36 00-2159	EA	18" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	83.77	13.74
		For 60 Degree Bend, Deduct	*-22.38*	
		For 30 Degree Bend, Deduct	*-38.06*	
26 05 36 00-2160	EA	24" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	97.79	15.88
		For 60 Degree Bend, Deduct	*-26.16*	
		For 30 Degree Bend, Deduct	*-44.48*	
26 05 36 00-2161	EA	30" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	114.41	18.28
		For 60 Degree Bend, Deduct	*-30.73*	
		For 30 Degree Bend, Deduct	*-52.23*	
26 05 36 00-2162	EA	36" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	127.80	20.17
		For 60 Degree Bend, Deduct	*-34.44*	
		For 30 Degree Bend, Deduct	*-58.52*	

26 05 36 00-2163 45 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-2122)*

26 05 36 00-2164	EA	6" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	71.16	8.95
		For 60 Degree Bend, Deduct	*-20.06*	
		For 30 Degree Bend, Deduct	*-33.93*	
26 05 36 00-2165	EA	9" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	80.57	10.46
		For 60 Degree Bend, Deduct	*-22.59*	
		For 30 Degree Bend, Deduct	*-38.22*	
26 05 36 00-2166	EA	12" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	92.27	12.61
		For 60 Degree Bend, Deduct	*-25.61*	
		For 30 Degree Bend, Deduct	*-43.38*	
26 05 36 00-2167	EA	18" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	106.80	15.13
		For 60 Degree Bend, Deduct	*-29.44*	
		For 30 Degree Bend, Deduct	*-49.90*	
26 05 36 00-2168	EA	24" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	123.05	17.27
		For 60 Degree Bend, Deduct	*-33.97*	
		For 30 Degree Bend, Deduct	*-57.57*	
26 05 36 00-2169	EA	30" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	153.15	20.17
		For 60 Degree Bend, Deduct	*-42.79*	
		For 30 Degree Bend, Deduct	*-72.44*	
26 05 36 00-2170	EA	36" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	169.77	23.32
		For 60 Degree Bend, Deduct	*-47.09*	
		For 30 Degree Bend, Deduct	*-79.78*	

26 05 36 00-2171 45 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-2122)*

26 05 36 00-2172	EA	6" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	98.31	10.08
		For 60 Degree Bend, Deduct	*-28.59*	
		For 30 Degree Bend, Deduct	*-48.20*	
26 05 36 00-2173	EA	9" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	111.29	11.59
		For 60 Degree Bend, Deduct	*-32.26*	
		For 30 Degree Bend, Deduct	*-54.42*	
26 05 36 00-2174	EA	12" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	124.99	14.37
		For 60 Degree Bend, Deduct	*-35.75*	
		For 30 Degree Bend, Deduct	*-60.37*	
26 05 36 00-2175	EA	18" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	142.63	16.01
		For 60 Degree Bend, Deduct	*-40.94*	
		For 30 Degree Bend, Deduct	*-69.13*	
26 05 36 00-2176	EA	24" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	173.84	19.54
		For 60 Degree Bend, Deduct	*-49.88*	
		For 30 Degree Bend, Deduct	*-84.21*	
26 05 36 00-2177	EA	30" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	192.74	23.32
		For 60 Degree Bend, Deduct	*-54.67*	
		For 30 Degree Bend, Deduct	*-92.42*	
26 05 36 00-2178	EA	36" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	228.12	25.21
		For 60 Degree Bend, Deduct	*-65.61*	
		For 30 Degree Bend, Deduct	*-110.75*	

26 05 36 00-2179 90 Degree, 12" Radius Vertical Risers *(26 05 36 00-2122)*

26 05 36 00-2180	EA	6" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	58.48	8.07
26 05 36 00-2181	EA	9" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	61.69	9.46
26 05 36 00-2182	EA	12" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	68.01	11.22
26 05 36 00-2183	EA	18" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	79.21	13.74
26 05 36 00-2184	EA	24" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	87.08	17.78
26 05 36 00-2185	EA	30" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	96.89	20.29
26 05 36 00-2186	EA	36" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	121.85	24.20

26 05 36 00-2187 90 Degree, 24" Radius Vertical Risers *(26 05 36 00-2122)*

26 05 36 00-2188	EA	6" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	69.99	8.95
26 05 36 00-2189	EA	9" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	78.27	10.46
26 05 36 00-2190	EA	12" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	84.23	12.61
26 05 36 00-2191	EA	18" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	109.06	15.13
26 05 36 00-2192	EA	24" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	126.71	19.54
26 05 36 00-2193	EA	30" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	145.60	23.32
26 05 36 00-2194	EA	36" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	167.64	27.48

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2195		**90 Degree, 36" Radius Vertical Risers** *(26 05 36 00-2122)*		
26 05 36 00-2196	EA	6" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	81.05	10.08
26 05 36 00-2197	EA	9" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	100.96	11.59
26 05 36 00-2198	EA	12" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	115.87	14.37
26 05 36 00-2199	EA	18" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	142.63	16.01
26 05 36 00-2200	EA	24" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	165.91	22.32
26 05 36 00-2201	EA	30" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	197.78	26.35
26 05 36 00-2202	EA	36" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	231.82	30.25
26 05 36 00-2203		**12" Radius Horizontal Tees** *(26 05 36 00-2122)*		
26 05 36 00-2204	EA	6" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	103.49	13.11
26 05 36 00-2205	EA	9" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	109.06	15.13
26 05 36 00-2206	EA	12" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	123.74	17.78
26 05 36 00-2207	EA	18" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	148.56	20.17
26 05 36 00-2208	EA	24" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	183.55	23.32
26 05 36 00-2209	EA	30" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	225.92	33.53
26 05 36 00-2210	EA	36" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	271.52	40.22
26 05 36 00-2211		**24" Radius Horizontal Tees** *(26 05 36 00-2122)*		
26 05 36 00-2212	EA	6" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	151.57	13.74
26 05 36 00-2213	EA	9" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	173.64	16.01
26 05 36 00-2214	EA	12" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	183.10	18.91
26 05 36 00-2215	EA	18" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	231.32	21.69
26 05 36 00-2216	EA	24" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	340.55	25.21
26 05 36 00-2217	EA	30" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	403.05	37.82
26 05 36 00-2218	EA	36" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	451.96	46.52
26 05 36 00-2219		**36" Radius Horizontal Tees** *(26 05 36 00-2122)*		
26 05 36 00-2220	EA	6" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	255.96	14.37
26 05 36 00-2221	EA	9" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	264.59	16.77
26 05 36 00-2222	EA	12" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	295.53	20.17
26 05 36 00-2223	EA	18" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	346.70	23.32
26 05 36 00-2224	EA	24" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	450.18	27.48
26 05 36 00-2225	EA	30" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	510.97	43.37
26 05 36 00-2226	EA	36" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	589.88	54.84
26 05 36 00-2227		**12" Radius Horizontal Crosses** *(26 05 36 00-2122)*		
26 05 36 00-2228	EA	6" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	151.37	17.78
26 05 36 00-2229	EA	9" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	160.16	18.91
26 05 36 00-2230	EA	12" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	177.27	20.17
26 05 36 00-2231	EA	18" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	208.82	23.32
26 05 36 00-2232	EA	24" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	262.62	33.53
26 05 36 00-2233	EA	30" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	303.61	40.22
26 05 36 00-2234	EA	36" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	347.65	43.24
26 05 36 00-2235		**24" Radius Horizontal Crosses** *(26 05 36 00-2122)*		
26 05 36 00-2236	EA	6" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	263.57	18.91
26 05 36 00-2237	EA	9" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	286.34	20.17
26 05 36 00-2238	EA	12" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	307.12	21.69
26 05 36 00-2239	EA	18" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	365.81	25.21
26 05 36 00-2240	EA	24" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	458.14	37.82
26 05 36 00-2241	EA	30" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	523.07	46.52
26 05 36 00-2242	EA	36" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	584.64	50.30
26 05 36 00-2243		**36" Radius Horizontal Crosses** *(26 05 36 00-2122)*		
26 05 36 00-2244	EA	6" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	421.87	20.17
26 05 36 00-2245	EA	9" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	438.06	21.69
26 05 36 00-2246	EA	12" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	461.56	23.32
26 05 36 00-2247	EA	18" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	532.88	27.48
26 05 36 00-2248	EA	24" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	692.39	43.24
26 05 36 00-2249	EA	30" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	757.98	55.09
26 05 36 00-2250	EA	36" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	812.96	60.51
26 05 36 00-2251		**Reducers** *(26 05 36 00-2122)*		
26 05 36 00-2252	EA	9" To 6" Reducer, Steel Cable Tray Covers	67.45	9.46
26 05 36 00-2253	EA	12" To 6" Reducer, Steel Cable Tray Covers	72.64	11.22
26 05 36 00-2254	EA	12" To 9" Reducer, Steel Cable Tray Covers	72.64	11.22
26 05 36 00-2255	EA	18" To 6" Reducer, Steel Cable Tray Covers	80.35	13.74
26 05 36 00-2256	EA	18" To 12" Reducer, Steel Cable Tray Covers	80.35	13.74
26 05 36 00-2257	EA	24" To 12" Reducer, Steel Cable Tray Covers	98.72	15.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2258	EA	24" To 18" Reducer, Steel Cable Tray Covers	105.61	15.13
26 05 36 00-2259	EA	30" To 12" Reducer, Steel Cable Tray Covers	102.35	17.27
26 05 36 00-2260	EA	30" To 18" Reducer, Steel Cable Tray Covers	109.24	17.27
26 05 36 00-2261	EA	30" To 24" Reducer, Steel Cable Tray Covers	113.83	17.27
26 05 36 00-2262	EA	36" To 12" Reducer, Steel Cable Tray Covers	118.74	18.91
26 05 36 00-2263	EA	36" To 18" Reducer, Steel Cable Tray Covers	121.04	18.91
26 05 36 00-2264	EA	36" To 24" Reducer, Steel Cable Tray Covers	123.33	18.91
26 05 36 00-2265	EA	36" To 30" Reducer, Steel Cable Tray Covers	124.48	18.91
26 05 36 00-2266		Aluminum Covers *(26 05 36 00-2121)*		
26 05 36 00-2267		Ventilated Straight Sections *(26 05 36 00-2266)*		
26 05 36 00-2268	LF	6" Aluminum Cable Tray Cover, Straight Section	12.09	2.26
26 05 36 00-2269	LF	9" Aluminum Cable Tray Cover, Straight Section	14.41	2.65
26 05 36 00-2270	LF	12" Aluminum Cable Tray Cover, Straight Section	16.92	3.03
26 05 36 00-2271	LF	18" Aluminum Cable Tray Cover, Straight Section	22.52	4.04
26 05 36 00-2272	LF	24" Aluminum Cable Tray Cover, Straight Section	28.96	5.42
26 05 36 00-2273	LF	30" Aluminum Cable Tray Cover, Straight Section	32.93	6.68
26 05 36 00-2274	LF	36" Aluminum Cable Tray Cover, Straight Section	149.43	75.77
26 05 36 00-2275		90 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-2266)*		
26 05 36 00-2276	EA	6" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	67.38	8.07
26 05 36 00-2277	EA	9" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	71.97	9.46
26 05 36 00-2278	EA	12" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	79.53	11.22
26 05 36 00-2279	EA	18" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	103.59	14.37
26 05 36 00-2280	EA	24" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	131.27	18.28
26 05 36 00-2281	EA	30" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	154.37	20.29
26 05 36 00-2282	EA	36" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	187.98	24.20
26 05 36 00-2283		90 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-2266)*		
26 05 36 00-2284	EA	6" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	88.65	8.95
26 05 36 00-2285	EA	9" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	108.76	10.46
26 05 36 00-2286	EA	12" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	121.80	12.61
26 05 36 00-2287	EA	18" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	146.08	16.01
26 05 36 00-2288	EA	24" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	181.25	20.17
26 05 36 00-2289	EA	30" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	219.15	23.20
26 05 36 00-2290	EA	36" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	268.45	27.48
26 05 36 00-2291		90 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-2266)*		
26 05 36 00-2292	EA	6" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	143.23	10.08
26 05 36 00-2293	EA	9" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	157.63	11.59
26 05 36 00-2294	EA	12" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	180.95	14.37
26 05 36 00-2295	EA	18" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	215.43	16.77
26 05 36 00-2296	EA	24" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	266.02	23.32
26 05 36 00-2297	EA	30" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	306.25	26.35
26 05 36 00-2298	EA	36" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	357.24	30.25
26 05 36 00-2299		45 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-2266)*		
26 05 36 00-2300	EA	6" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	53.34	8.07
		For 60 Degree Bend, Deduct	*-14.49*	
		For 30 Degree Bend, Deduct	*-24.61*	
26 05 36 00-2301	EA	9" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	56.75	9.46
		For 60 Degree Bend, Deduct	*-15.11*	
		For 30 Degree Bend, Deduct	*-25.70*	
26 05 36 00-2302	EA	12" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	64.54	11.22
		For 60 Degree Bend, Deduct	*-17.02*	
		For 30 Degree Bend, Deduct	*-28.98*	
26 05 36 00-2303	EA	18" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	75.61	13.74
		For 60 Degree Bend, Deduct	*-19.68*	
		For 30 Degree Bend, Deduct	*-33.57*	
26 05 36 00-2304	EA	24" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	85.15	15.88
		For 60 Degree Bend, Deduct	*-21.99*	
		For 30 Degree Bend, Deduct	*-37.53*	
26 05 36 00-2305	EA	30" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	104.35	18.28
		For 60 Degree Bend, Deduct	*-27.41*	
		For 30 Degree Bend, Deduct	*-46.70*	
26 05 36 00-2306	EA	36" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	122.64	20.17
		For 60 Degree Bend, Deduct	*-32.74*	
		For 30 Degree Bend, Deduct	*-55.69*	
26 05 36 00-2307		45 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-2266)*		
26 05 36 00-2308	EA	6" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	61.15	8.95
		For 60 Degree Bend, Deduct	*-16.76*	
		For 30 Degree Bend, Deduct	*-28.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2309	EA	9" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	75.97	10.46
		For 60 Degree Bend, Deduct	*-21.07*	
		For 30 Degree Bend, Deduct	*-35.69*	
26 05 36 00-2310	EA	12" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	81.97	12.61
		For 60 Degree Bend, Deduct	*-22.21*	
		For 30 Degree Bend, Deduct	*-37.71*	
26 05 36 00-2311	EA	18" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	99.04	15.13
		For 60 Degree Bend, Deduct	*-26.88*	
		For 30 Degree Bend, Deduct	*-45.63*	
26 05 36 00-2312	EA	24" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	120.23	17.27
		For 60 Degree Bend, Deduct	*-33.04*	
		For 30 Degree Bend, Deduct	*-56.02*	
26 05 36 00-2313	EA	30" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	139.12	20.17
		For 60 Degree Bend, Deduct	*-38.16*	
		For 30 Degree Bend, Deduct	*-64.72*	
26 05 36 00-2314	EA	36" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	160.65	23.32
		For 60 Degree Bend, Deduct	*-44.08*	
		For 30 Degree Bend, Deduct	*-74.77*	
26 05 36 00-2315		**45 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-2266)*		
26 05 36 00-2316	EA	6" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	96.41	10.08
		For 60 Degree Bend, Deduct	*-27.96*	
		For 30 Degree Bend, Deduct	*-47.16*	
26 05 36 00-2317	EA	9" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	106.09	11.59
		For 60 Degree Bend, Deduct	*-30.55*	
		For 30 Degree Bend, Deduct	*-51.56*	
26 05 36 00-2318	EA	12" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	115.28	14.37
		For 60 Degree Bend, Deduct	*-32.54*	
		For 30 Degree Bend, Deduct	*-55.03*	
26 05 36 00-2319	EA	18" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	136.74	16.01
		For 60 Degree Bend, Deduct	*-39.00*	
		For 30 Degree Bend, Deduct	*-65.89*	
26 05 36 00-2320	EA	24" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	166.10	19.54
		For 60 Degree Bend, Deduct	*-47.32*	
		For 30 Degree Bend, Deduct	*-79.96*	
26 05 36 00-2321	EA	30" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	191.10	23.32
		For 60 Degree Bend, Deduct	*-54.13*	
		For 30 Degree Bend, Deduct	*-91.51*	
26 05 36 00-2322	EA	36" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	215.41	25.21
		For 60 Degree Bend, Deduct	*-61.41*	
		For 30 Degree Bend, Deduct	*-103.76*	
26 05 36 00-2323		**90 Degree, 12" Radius Vertical Risers** *(26 05 36 00-2266)*		
26 05 36 00-2324	EA	6" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	59.38	8.07
26 05 36 00-2325	EA	9" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	62.02	9.46
26 05 36 00-2326	EA	12" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	68.99	11.22
26 05 36 00-2327	EA	18" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	81.50	13.74
26 05 36 00-2328	EA	24" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	90.56	17.78
26 05 36 00-2329	EA	30" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	95.80	20.29
26 05 36 00-2330	EA	36" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	115.27	24.20
26 05 36 00-2331		**90 Degree, 24" Radius Vertical Risers** *(26 05 36 00-2266)*		
26 05 36 00-2332	EA	6" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	67.57	8.95
26 05 36 00-2333	EA	9" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	74.80	10.46
26 05 36 00-2334	EA	12" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	83.14	12.61
26 05 36 00-2335	EA	18" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	100.18	15.13
26 05 36 00-2336	EA	24" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	114.52	19.54
26 05 36 00-2337	EA	30" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	144.20	23.32
26 05 36 00-2338	EA	36" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	160.68	27.48
26 05 36 00-2339		**90 Degree, 36" Radius Vertical Risers** *(26 05 36 00-2266)*		
26 05 36 00-2340	EA	6" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	77.64	10.08
26 05 36 00-2341	EA	9" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	94.38	11.59
26 05 36 00-2342	EA	12" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	110.67	14.37
26 05 36 00-2343	EA	18" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	132.05	16.01
26 05 36 00-2344	EA	24" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	161.43	22.32
26 05 36 00-2345	EA	30" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	200.83	26.35
26 05 36 00-2346	EA	36" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	219.02	30.25
26 05 36 00-2347		**12" Radius Horizontal Tees** *(26 05 36 00-2266)*		
26 05 36 00-2348	EA	6" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	96.91	13.11
26 05 36 00-2349	EA	9" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	104.86	15.13
26 05 36 00-2350	EA	12" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	118.58	17.78
26 05 36 00-2351	EA	18" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	139.12	20.17
26 05 36 00-2352	EA	24" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	172.36	23.32
26 05 36 00-2353	EA	30" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	212.89	33.53
26 05 36 00-2354	EA	36" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	256.84	40.22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2355		**24" Radius Horizontal Tees** *(26 05 36 00-2266)*		
26 05 36 00-2356	EA	6" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	144.75	13.74
26 05 36 00-2357	EA	9" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	162.50	16.01
26 05 36 00-2358	EA	12" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	183.76	18.91
26 05 36 00-2359	EA	18" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	214.10	21.69
26 05 36 00-2360	EA	24" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	325.38	25.21
26 05 36 00-2361	EA	30" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	377.00	37.82
26 05 36 00-2362	EA	36" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	426.59	46.52
26 05 36 00-2363		**36" Radius Horizontal Tees** *(26 05 36 00-2266)*		
26 05 36 00-2364	EA	6" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	246.51	14.37
26 05 36 00-2365	EA	9" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	255.23	16.77
26 05 36 00-2366	EA	12" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	284.33	20.17
26 05 36 00-2367	EA	18" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	322.35	23.32
26 05 36 00-2368	EA	24" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	406.66	27.48
26 05 36 00-2369	EA	30" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	477.50	43.37
26 05 36 00-2370	EA	36" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	548.22	54.84
26 05 36 00-2371		**12" Radius Horizontal Crosses** *(26 05 36 00-2266)*		
26 05 36 00-2372	EA	6" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	144.41	17.78
26 05 36 00-2373	EA	9" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	153.34	18.91
26 05 36 00-2374	EA	12" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	169.58	20.17
26 05 36 00-2375	EA	18" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	202.82	23.32
26 05 36 00-2376	EA	24" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	245.64	33.53
26 05 36 00-2377	EA	30" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	291.91	40.22
26 05 36 00-2378	EA	36" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	332.03	43.24
26 05 36 00-2379		**24" Radius Horizontal Crosses** *(26 05 36 00-2266)*		
26 05 36 00-2380	EA	6" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	256.46	18.91
26 05 36 00-2381	EA	9" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	274.96	20.17
26 05 36 00-2382	EA	12" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	296.10	21.69
26 05 36 00-2383	EA	18" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	344.13	25.21
26 05 36 00-2384	EA	24" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	423.80	37.82
26 05 36 00-2385	EA	30" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	499.11	46.52
26 05 36 00-2386	EA	36" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	540.69	50.30
26 05 36 00-2387		**36" Radius Horizontal Crosses** *(26 05 36 00-2266)*		
26 05 36 00-2388	EA	6" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	394.43	20.17
26 05 36 00-2389	EA	9" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	413.23	21.69
26 05 36 00-2390	EA	12" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	444.17	23.32
26 05 36 00-2391	EA	18" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	491.00	27.48
26 05 36 00-2392	EA	24" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	622.70	43.24
26 05 36 00-2393	EA	30" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	724.33	55.09
26 05 36 00-2394	EA	36" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	791.94	60.51
26 05 36 00-2395		**Reducers** *(26 05 36 00-2266)*		
26 05 36 00-2396	EA	9" To 6" Reducer, Aluminum Cable Tray Covers	73.16	9.46
26 05 36 00-2397	EA	12" To 6" Reducer, Aluminum Cable Tray Covers	78.40	11.22
26 05 36 00-2398	EA	12" To 9" Reducer, Aluminum Cable Tray Covers	78.40	11.22
26 05 36 00-2399	EA	18" To 6" Reducer, Aluminum Cable Tray Covers	88.52	13.74
26 05 36 00-2400	EA	18" To 12" Reducer, Aluminum Cable Tray Covers	88.52	13.74
26 05 36 00-2401	EA	24" To 12" Reducer, Aluminum Cable Tray Covers	97.83	15.13
26 05 36 00-2402	EA	24" To 18" Reducer, Aluminum Cable Tray Covers	107.16	15.13
26 05 36 00-2403	EA	30" To 12" Reducer, Aluminum Cable Tray Covers	113.18	17.27
26 05 36 00-2404	EA	30" To 18" Reducer, Aluminum Cable Tray Covers	116.66	17.27
26 05 36 00-2405	EA	30" To 24" Reducer, Aluminum Cable Tray Covers	119.06	17.27
26 05 36 00-2406	EA	36" To 12" Reducer, Aluminum Cable Tray Covers	125.16	18.91
26 05 36 00-2407	EA	36" To 18" Reducer, Aluminum Cable Tray Covers	127.50	18.91
26 05 36 00-2408	EA	36" To 24" Reducer, Aluminum Cable Tray Covers	128.67	18.91
26 05 36 00-2409	EA	36" To 30" Reducer, Aluminum Cable Tray Covers	129.84	18.91
26 05 36 00-2410		**Galvanized Steel Dividers** *(26 05 36 00-2121)*		
26 05 36 00-2411		**Straight Dividers** *(26 05 36 00-2410)*		
26 05 36 00-2412	LF	3" Deep Galvanized Steel Divider Strip, Straight	11.36	3.03
26 05 36 00-2413	LF	4" Deep Galvanized Steel Divider Strip, Straight	13.37	3.28
26 05 36 00-2414	LF	6" Deep Galvanized Steel Divider Strip, Straight	16.52	3.78
26 05 36 00-2415		**3" Deep Vertical Dividers** *(26 05 36 00-2410)*		
26 05 36 00-2416	EA	Vertical Divider, 3" Deep, 12" Radius, 30 Degree, Steel Cable Tray	67.07	21.69
26 05 36 00-2417	EA	Vertical Divider, 3" Deep, 12" Radius, 45 Degree, Steel Cable Tray	76.26	22.44

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2418	EA	Vertical Divider, 3" Deep, 12" Radius, 60 Degree, Steel Cable Tray	80.18	23.32
26 05 36 00-2419	EA	Vertical Divider, 3" Deep, 12" Radius, 90 Degree, Steel Cable Tray	92.03	24.20
26 05 36 00-2420	EA	Vertical Divider, 3" Deep, 24" Radius, 30 Degree, Steel Cable Tray	87.43	24.20
26 05 36 00-2421	EA	Vertical Divider, 3" Deep, 24" Radius, 45 Degree, Steel Cable Tray	94.81	25.21
26 05 36 00-2422	EA	Vertical Divider, 3" Deep, 24" Radius, 60 Degree, Steel Cable Tray	110.49	26.35
26 05 36 00-2423	EA	Vertical Divider, 3" Deep, 24" Radius, 90 Degree, Steel Cable Tray	136.63	27.48
26 05 36 00-2424	EA	Vertical Divider, 3" Deep, 36" Radius, 30 Degree, Steel Cable	109.06	27.48
26 05 36 00-2425	EA	Vertical Divider, 3" Deep, 36" Radius, 45 Degree, Steel Cable Tray	121.54	28.87
26 05 36 00-2426	EA	Vertical Divider, 3" Deep, 36" Radius, 60 Degree, Steel Cable Tray	136.57	30.25
26 05 36 00-2427	EA	Vertical Divider, 3" Deep, 36" Radius, 90 Degree, Steel Cable Tray	172.52	31.90
26 05 36 00-2428		**4" Deep Vertical Dividers** *(26 05 36 00-2410)*		
26 05 36 00-2429	EA	Vertical Divider, 4" Deep, 12" Radius, 30 Degree, Steel Cable Tray	76.83	22.44
26 05 36 00-2430	EA	Vertical Divider, 4" Deep, 12" Radius, 45 Degree, Steel Cable Tray	84.77	23.32
26 05 36 00-2431	EA	Vertical Divider, 4" Deep, 12" Radius, 60 Degree, Steel Cable Tray	92.03	24.20
26 05 36 00-2432	EA	Vertical Divider, 4" Deep, 12" Radius, 90 Degree, Steel Cable Tray	105.15	25.21
26 05 36 00-2433	EA	Vertical Divider, 4" Deep, 24" Radius, 30 Degree, Steel Cable Tray	105.15	25.21
26 05 36 00-2434	EA	Vertical Divider, 4" Deep, 24" Radius, 45 Degree, Steel Cable Tray	123.12	26.35
26 05 36 00-2435	EA	Vertical Divider, 4" Deep, 24" Radius, 60 Degree, Steel Cable Tray	135.48	27.48
26 05 36 00-2436	EA	Vertical Divider, 4" Deep, 24" Radius, 90 Degree, Steel Cable Tray	167.48	28.87
26 05 36 00-2437	EA	Vertical Divider, 4" Deep, 36" Radius, 30 Degree, Steel Cable Tray	117.38	26.35
26 05 36 00-2438	EA	Vertical Divider, 4" Deep, 36" Radius, 45 Degree, Steel Cable Tray	129.74	27.48
26 05 36 00-2439	EA	Vertical Divider, 4" Deep, 36" Radius, 60 Degree, Steel Cable Tray	153.70	28.87
26 05 36 00-2440	EA	Vertical Divider, 4" Deep, 36" Radius, 90 Degree, Steel Cable Tray	194.00	30.25
26 05 36 00-2441		**6" Deep Vertical Dividers** *(26 05 36 00-2410)*		
26 05 36 00-2442	EA	Vertical Divider, 6" Deep, 12" Radius, 30 Degree, Steel Cable Tray	85.05	25.21
26 05 36 00-2443	EA	Vertical Divider, 6" Deep, 12" Radius, 45 Degree, Steel Cable Tray	92.11	26.35
26 05 36 00-2444	EA	Vertical Divider, 6" Deep, 12" Radius, 60 Degree, Steel Cable Tray	101.02	27.48
26 05 36 00-2445	EA	Vertical Divider, 6" Deep, 12" Radius, 90 Degree, Steel Cable Tray	116.94	28.87
26 05 36 00-2446	EA	Vertical Divider, 6" Deep, 24" Radius, 30 Degree, Steel Cable Tray	107.04	26.35
26 05 36 00-2447	EA	Vertical Divider, 6" Deep, 24" Radius, 45 Degree, Steel Cable Tray	125.14	27.48
26 05 36 00-2448	EA	Vertical Divider, 6" Deep, 24" Radius, 60 Degree, Steel Cable Tray	138.77	28.87
26 05 36 00-2449	EA	Vertical Divider, 6" Deep, 24" Radius, 90 Degree, Steel Cable Tray	169.88	30.25
26 05 36 00-2450	EA	Vertical Divider, 6" Deep, 36" Radius, 30 Degree, Steel Cable Tray	119.40	27.48
26 05 36 00-2451	EA	Vertical Divider, 6" Deep, 36" Radius, 45 Degree, Steel Cable Tray	138.77	28.87
26 05 36 00-2452	EA	Vertical Divider, 6" Deep, 36" Radius, 60 Degree, Steel Cable Tray	169.88	30.25
26 05 36 00-2453	EA	Vertical Divider, 6" Deep, 36" Radius, 90 Degree, Steel Cable Tray	206.98	31.90
26 05 36 00-2454		**Horizontal Dividers** *(26 05 36 00-2410)*		
26 05 36 00-2455	EA	3" Deep Horizontal Fitting Divider Strip, Steel Cable Tray	74.72	18.28
26 05 36 00-2456	EA	4" Deep Horizontal Fitting Divider Strip, Steel Cable Tray	83.05	20.17
26 05 36 00-2457	EA	6" Deep Horizontal Fitting Divider Strip, Steel Cable Tray	100.49	22.44
26 05 36 00-2458		**Aluminum Dividers** *(26 05 36 00-2121)*		
26 05 36 00-2459		**Straight Dividers** *(26 05 36 00-2458)*		
26 05 36 00-2460	LF	3" Deep Aluminum Divider Strip, Straight	11.23	2.90
26 05 36 00-2461	LF	4" Deep Aluminum Divider Strip, Straight	13.26	3.15
26 05 36 00-2462	LF	6" Deep Aluminum Divider Strip, Straight	16.35	3.53
26 05 36 00-2463		**3" Deep Vertical Dividers** *(26 05 36 00-2458)*		
26 05 36 00-2464	EA	Vertical Divider, 3" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray	60.46	20.92
26 05 36 00-2465	EA	Vertical Divider, 3" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray	66.32	21.69
26 05 36 00-2466	EA	Vertical Divider, 3" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray	72.74	22.44
26 05 36 00-2467	EA	Vertical Divider, 3" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray	83.66	23.32
26 05 36 00-2468	EA	Vertical Divider, 3" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray	81.42	23.32
26 05 36 00-2469	EA	Vertical Divider, 3" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray	89.66	24.20
26 05 36 00-2470	EA	Vertical Divider, 3" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray	103.63	25.21
26 05 36 00-2471	EA	Vertical Divider, 3" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray	127.93	26.35
26 05 36 00-2472	EA	Vertical Divider, 3" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray	108.88	26.35
26 05 36 00-2473	EA	Vertical Divider, 3" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray	129.95	27.48
26 05 36 00-2474	EA	Vertical Divider, 3" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray	156.75	28.87
26 05 36 00-2475	EA	Vertical Divider, 3" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray	192.78	30.25
26 05 36 00-2476		**4" Deep Vertical Dividers** *(26 05 36 00-2458)*		
26 05 36 00-2477	EA	Vertical Divider, 4" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray	72.26	21.69
26 05 36 00-2478	EA	Vertical Divider, 4" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray	79.35	22.44
26 05 36 00-2479	EA	Vertical Divider, 4" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray	87.03	23.32
26 05 36 00-2480	EA	Vertical Divider, 4" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray	97.50	24.20
26 05 36 00-2481	EA	Vertical Divider, 4" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray	96.38	24.20
26 05 36 00-2482	EA	Vertical Divider, 4" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray	111.47	25.21
26 05 36 00-2483	EA	Vertical Divider, 4" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray	125.69	26.35
26 05 36 00-2484	EA	Vertical Divider, 4" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray	157.98	27.48

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2485	EA	Vertical Divider, 4" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray	129.41	25.21
26 05 36 00-2486	EA	Vertical Divider, 4" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray	155.96	26.35
26 05 36 00-2487	EA	Vertical Divider, 4" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray	182.63	27.48
26 05 36 00-2488	EA	Vertical Divider, 4" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray	220.64	28.87
26 05 36 00-2489		**6" Deep Vertical Dividers** *(26 05 36 00-2458)*		
26 05 36 00-2490	EA	Vertical Divider, 6" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray	80.02	24.20
26 05 36 00-2491	EA	Vertical Divider, 6" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray	89.06	25.21
26 05 36 00-2492	EA	Vertical Divider, 6" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray	93.19	26.35
26 05 36 00-2493	EA	Vertical Divider, 6" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray	104.17	27.48
26 05 36 00-2494	EA	Vertical Divider, 6" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray	100.26	25.21
26 05 36 00-2495	EA	Vertical Divider, 6" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray	123.45	26.35
26 05 36 00-2496	EA	Vertical Divider, 6" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray	133.32	27.48
26 05 36 00-2497	EA	Vertical Divider, 6" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray	166.84	28.87
26 05 36 00-2498	EA	Vertical Divider, 6" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray	132.42	26.35
26 05 36 00-2499	EA	Vertical Divider, 6" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray	164.70	27.48
26 05 36 00-2500	EA	Vertical Divider, 6" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray	188.14	28.87
26 05 36 00-2501	EA	Vertical Divider, 6" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray	218.56	30.25
26 05 36 00-2502		**Horizontal Dividers** *(26 05 36 00-2458)*		
26 05 36 00-2503	EA	3" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray	69.67	17.27
26 05 36 00-2504	EA	4" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray	76.35	18.91
26 05 36 00-2505	EA	6" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray	94.20	20.92
26 05 36 00-2506		**Cable Tray Wall Brackets** *(26 05 36 00-0001)*		
26 05 36 00-2507		**Wall Brackets** *(26 05 36 00-2506)*		
26 05 36 00-2508	EA	6" Wide Cable Tray Wall Bracket	92.03	25.21
26 05 36 00-2509	EA	9" Wide Cable Tray Wall Bracket	95.35	26.35
26 05 36 00-2510	EA	12" Wide Cable Tray Wall Bracket	104.52	27.48
26 05 36 00-2511	EA	18" Wide Cable Tray Wall Bracket	110.95	28.87
26 05 36 00-2512	EA	24" Wide Cable Tray Wall Bracket	120.50	30.25
26 05 36 00-2513	EA	30" Wide Cable Tray Wall Bracket	143.15	31.90
26 05 36 00-2514	EA	36" Wide Cable Tray Wall Bracket	171.13	34.04
26 05 36 00-2515		**Fiberglass Cable Tray** *(26 05 36 00-0001)*		
26 05 36 00-2516		**Ladder Bottom Fiberglass Cable Tray** *(26 05 36 00-2515)*		
		Note: Excludes hangers and support system.		
26 05 36 00-2517		**Straight Tray Sections** *(26 05 36 00-2516)*		
26 05 36 00-2518	LF	6" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	13.84	3.41
		For 9" Rung Spacing, Add	*0.31*	
		For 6" Rung Spacing, Add	*1.32*	
		For 4" Rung Spacing, Add	*2.42*	
		For 18" Rung Spacing, Deduct	*-0.22*	
		For Solid Bottom, Add	*3.40*	
		For Vented Trough Bottom, Add	*4.15*	
26 05 36 00-2519	LF	9" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	15.39	4.16
		For 9" Rung Spacing, Add	*0.32*	
		For 6" Rung Spacing, Add	*1.36*	
		For 4" Rung Spacing, Add	*2.50*	
		For 18" Rung Spacing, Deduct	*-0.23*	
		For Solid Bottom, Add	*3.67*	
		For Vented Trough Bottom, Add	*4.42*	
26 05 36 00-2520	LF	12" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	16.92	5.04
		For 9" Rung Spacing, Add	*0.33*	
		For 6" Rung Spacing, Add	*1.40*	
		For 4" Rung Spacing, Add	*2.57*	
		For 18" Rung Spacing, Deduct	*-0.23*	
		For Solid Bottom, Add	*3.94*	
		For Vented Trough Bottom, Add	*4.69*	
26 05 36 00-2521	LF	18" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	20.13	6.68
		For 9" Rung Spacing, Add	*0.35*	
		For 6" Rung Spacing, Add	*1.51*	
		For 4" Rung Spacing, Add	*2.76*	
		For 18" Rung Spacing, Deduct	*-0.25*	
		For Solid Bottom, Add	*4.53*	
		For Vented Trough Bottom, Add	*5.28*	
26 05 36 00-2522	LF	24" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	23.34	8.45
		For 9" Rung Spacing, Add	*0.38*	
		For 6" Rung Spacing, Add	*1.61*	
		For 4" Rung Spacing, Add	*2.95*	
		For 18" Rung Spacing, Deduct	*-0.27*	
		For Solid Bottom, Add	*5.11*	
		For Vented Trough Bottom, Add	*5.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2523	LF	30" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	25.51	9.20
		For 9" Rung Spacing, Add	*0.41*	
		For 6" Rung Spacing, Add	*1.75*	
		For 4" Rung Spacing, Add	*3.20*	
		For 18" Rung Spacing, Deduct	*-0.29*	
		For Solid Bottom, Add	*5.57*	
		For Vented Trough Bottom, Add	*6.39*	
26 05 36 00-2524	LF	36" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	27.72	10.08
		For 9" Rung Spacing, Add	*0.44*	
		For 6" Rung Spacing, Add	*1.89*	
		For 4" Rung Spacing, Add	*3.46*	
		For 18" Rung Spacing, Deduct	*-0.31*	
		For Solid Bottom, Add	*6.05*	
		For Vented Trough Bottom, Add	*6.93*	

26 05 36 00-2525 90 Degree Horizontal Elbows *(26 05 36 00-2516)*

26 05 36 00-2526	EA	6" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	73.43	25.21
		For 9" Rung Spacing, Add	*1.25*	
		For 6" Rung Spacing, Add	*5.34*	
		For 4" Rung Spacing, Add	*9.79*	
		For 18" Rung Spacing, Deduct	*-0.89*	
		For Solid Bottom, Add	*16.36*	
		For Vented Trough Bottom, Add	*18.97*	
		For 60 Degree Bend, Deduct	*-15.53*	
		For 45 Degree Bend, Deduct	*-21.34*	
		For 30 Degree Bend, Deduct	*-27.15*	
26 05 36 00-2527	EA	9" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	81.78	29.37
		For 9" Rung Spacing, Add	*1.32*	
		For 6" Rung Spacing, Add	*5.65*	
		For 4" Rung Spacing, Add	*10.36*	
		For 18" Rung Spacing, Deduct	*-0.94*	
		For Solid Bottom, Add	*17.92*	
		For Vented Trough Bottom, Add	*20.58*	
		For 60 Degree Bend, Deduct	*-16.84*	
		For 45 Degree Bend, Deduct	*-23.19*	
		For 30 Degree Bend, Deduct	*-29.54*	
26 05 36 00-2528	EA	12" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	95.17	36.94
		For 9" Rung Spacing, Add	*1.39*	
		For 6" Rung Spacing, Add	*5.96*	
		For 4" Rung Spacing, Add	*10.92*	
		For 18" Rung Spacing, Deduct	*-0.99*	
		For Solid Bottom, Add	*20.23*	
		For Vented Trough Bottom, Add	*22.81*	
		For 60 Degree Bend, Deduct	*-18.65*	
		For 45 Degree Bend, Deduct	*-25.79*	
		For 30 Degree Bend, Deduct	*-32.93*	
26 05 36 00-2529	EA	18" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	112.41	44.62
		For 9" Rung Spacing, Add	*1.60*	
		For 6" Rung Spacing, Add	*6.84*	
		For 4" Rung Spacing, Add	*12.54*	
		For 18" Rung Spacing, Deduct	*-1.14*	
		For Solid Bottom, Add	*23.70*	
		For Vented Trough Bottom, Add	*26.59*	
		For 60 Degree Bend, Deduct	*-21.73*	
		For 45 Degree Bend, Deduct	*-30.09*	
		For 30 Degree Bend, Deduct	*-38.44*	
26 05 36 00-2530	EA	24" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	127.03	51.31
		For 9" Rung Spacing, Add	*1.75*	
		For 6" Rung Spacing, Add	*7.52*	
		For 4" Rung Spacing, Add	*13.79*	
		For 18" Rung Spacing, Deduct	*-1.25*	
		For Solid Bottom, Add	*26.57*	
		For Vented Trough Bottom, Add	*29.66*	
		For 60 Degree Bend, Deduct	*-24.23*	
		For 45 Degree Bend, Deduct	*-33.59*	
		For 30 Degree Bend, Deduct	*-42.95*	
26 05 36 00-2531	EA	30" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	139.56	54.72
		For 9" Rung Spacing, Add	*2.02*	
		For 6" Rung Spacing, Add	*8.64*	
		For 4" Rung Spacing, Add	*15.85*	
		For 18" Rung Spacing, Deduct	*-1.44*	
		For Solid Bottom, Add	*29.58*	
		For Vented Trough Bottom, Add	*33.29*	
		For 60 Degree Bend, Deduct	*-27.21*	
		For 45 Degree Bend, Deduct	*-37.64*	
		For 30 Degree Bend, Deduct	*-48.08*	
26 05 36 00-2532	EA	36" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	154.43	58.88
		For 9" Rung Spacing, Add	*2.32*	
		For 6" Rung Spacing, Add	*9.93*	
		For 4" Rung Spacing, Add	*18.20*	
		For 18" Rung Spacing, Deduct	*-1.65*	
		For Solid Bottom, Add	*33.09*	
		For Vented Trough Bottom, Add	*37.50*	
		For 60 Degree Bend, Deduct	*-30.66*	
		For 45 Degree Bend, Deduct	*-42.36*	
		For 30 Degree Bend, Deduct	*-54.05*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2533		**Inside Or Outside Vertical Risers** *(26 05 36 00-2516)*		
26 05 36 00-2534	EA	6" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	110.64	25.21
		For 9" Rung Spacing, Add	*2.55*	
		For 6" Rung Spacing, Add	*10.92*	
		For 4" Rung Spacing, Add	*20.03*	
		For 18" Rung Spacing, Deduct	*-1.82*	
		For Solid Bottom, Add	*27.52*	
		For Vented Trough Bottom, Add	*33.86*	
		For 60 Degree Bend, Deduct	*-27.81*	
		For 45 Degree Bend, Deduct	*-37.71*	
		For 30 Degree Bend, Deduct	*-47.62*	
26 05 36 00-2535	EA	9" Vertical Inside Or Outside Riser 90, Fiberglass	117.97	29.37
		For 9" Rung Spacing, Add	*2.58*	
		For 6" Rung Spacing, Add	*11.08*	
		For 4" Rung Spacing, Add	*20.31*	
		For 18" Rung Spacing, Deduct	*-1.85*	
		For Solid Bottom, Add	*28.77*	
		For Vented Trough Bottom, Add	*35.06*	
		For 60 Degree Bend, Deduct	*-28.78*	
		For 45 Degree Bend, Deduct	*-39.11*	
		For 30 Degree Bend, Deduct	*-49.44*	
26 05 36 00-2536	EA	12" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	130.33	36.94
		For 9" Rung Spacing, Add	*2.62*	
		For 6" Rung Spacing, Add	*11.23*	
		For 4" Rung Spacing, Add	*20.59*	
		For 18" Rung Spacing, Deduct	*-1.87*	
		For Solid Bottom, Add	*30.78*	
		For Vented Trough Bottom, Add	*36.88*	
		For 60 Degree Bend, Deduct	*-30.25*	
		For 45 Degree Bend, Deduct	*-41.26*	
		For 30 Degree Bend, Deduct	*-52.27*	
26 05 36 00-2537	EA	18" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	143.94	44.62
		For 9" Rung Spacing, Add	*2.70*	
		For 6" Rung Spacing, Add	*11.57*	
		For 4" Rung Spacing, Add	*21.21*	
		For 18" Rung Spacing, Deduct	*-1.93*	
		For Solid Bottom, Add	*33.16*	
		For Vented Trough Bottom, Add	*39.20*	
		For 60 Degree Bend, Deduct	*-32.13*	
		For 45 Degree Bend, Deduct	*-43.96*	
		For 30 Degree Bend, Deduct	*-55.78*	
26 05 36 00-2538	EA	24" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	156.07	51.31
		For 9" Rung Spacing, Add	*2.77*	
		For 6" Rung Spacing, Add	*11.88*	
		For 4" Rung Spacing, Add	*21.77*	
		For 18" Rung Spacing, Deduct	*-1.98*	
		For Solid Bottom, Add	*35.29*	
		For Vented Trough Bottom, Add	*41.28*	
		For 60 Degree Bend, Deduct	*-33.82*	
		For 45 Degree Bend, Deduct	*-46.37*	
		For 30 Degree Bend, Deduct	*-58.92*	
26 05 36 00-2539	EA	30" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	163.15	54.72
		For 9" Rung Spacing, Add	*2.84*	
		For 6" Rung Spacing, Add	*12.18*	
		For 4" Rung Spacing, Add	*22.33*	
		For 18" Rung Spacing, Deduct	*-2.03*	
		For Solid Bottom, Add	*36.65*	
		For Vented Trough Bottom, Add	*42.73*	
		For 60 Degree Bend, Deduct	*-34.99*	
		For 45 Degree Bend, Deduct	*-48.02*	
		For 30 Degree Bend, Deduct	*-61.05*	
26 05 36 00-2540	EA	36" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	177.96	58.88
		For 9" Rung Spacing, Add	*3.14*	
		For 6" Rung Spacing, Add	*13.46*	
		For 4" Rung Spacing, Add	*24.67*	
		For 18" Rung Spacing, Deduct	*-2.24*	
		For Solid Bottom, Add	*40.15*	
		For Vented Trough Bottom, Add	*46.92*	
		For 60 Degree Bend, Deduct	*-38.43*	
		For 45 Degree Bend, Deduct	*-52.71*	
		For 30 Degree Bend, Deduct	*-66.99*	
26 05 36 00-2541		**Horizontal Tees** *(26 05 36 00-2516)*		
26 05 36 00-2542	EA	6" Horizontal Tee, Fiberglass Cable Tray	157.39	63.03
		For 9" Rung Spacing, Add	*2.20*	
		For 6" Rung Spacing, Add	*9.43*	
		For 4" Rung Spacing, Add	*17.28*	
		For 18" Rung Spacing, Deduct	*-1.57*	
		For Solid Bottom, Add	*33.03*	
		For Vented Trough Bottom, Add	*36.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2543	EA	9" Horizontal Tee, Fiberglass Cable Tray	176.27	74.00
		For 9" Rung Spacing, Add	*2.29*	
		For 6" Rung Spacing, Add	*9.80*	
		For 4" Rung Spacing, Add	*17.96*	
		For 18" Rung Spacing, Deduct	*-1.63*	
		For Solid Bottom, Add	*36.24*	
		For Vented Trough Bottom, Add	*40.00*	
26 05 36 00-2544	EA	12" Horizontal Tee, Fiberglass Cable Tray	200.20	88.25
		For 9" Rung Spacing, Add	*2.37*	
		For 6" Rung Spacing, Add	*10.17*	
		For 4" Rung Spacing, Add	*18.65*	
		For 18" Rung Spacing, Deduct	*-1.70*	
		For Solid Bottom, Add	*40.20*	
		For Vented Trough Bottom, Add	*43.68*	
26 05 36 00-2545	EA	18" Horizontal Tee, Fiberglass Cable Tray	223.39	99.21
		For 9" Rung Spacing, Add	*2.61*	
		For 6" Rung Spacing, Add	*11.19*	
		For 4" Rung Spacing, Add	*20.52*	
		For 18" Rung Spacing, Deduct	*-1.87*	
		For Solid Bottom, Add	*44.70*	
		For Vented Trough Bottom, Add	*48.45*	
26 05 36 00-2546	EA	24" Horizontal Tee, Fiberglass Cable Tray	235.15	103.38
		For 9" Rung Spacing, Add	*2.80*	
		For 6" Rung Spacing, Add	*12.01*	
		For 4" Rung Spacing, Add	*22.02*	
		For 18" Rung Spacing, Deduct	*-2.00*	
		For Solid Bottom, Add	*47.28*	
		For Vented Trough Bottom, Add	*51.42*	
26 05 36 00-2547	EA	30" Horizontal Tee, Fiberglass Cable Tray	252.36	109.30
		For 9" Rung Spacing, Add	*3.10*	
		For 6" Rung Spacing, Add	*13.27*	
		For 4" Rung Spacing, Add	*24.33*	
		For 18" Rung Spacing, Deduct	*-2.21*	
		For Solid Bottom, Add	*51.12*	
		For Vented Trough Bottom, Add	*55.87*	
26 05 36 00-2548	EA	36" Horizontal Tee, Fiberglass Cable Tray	274.24	117.75
		For 9" Rung Spacing, Add	*3.42*	
		For 6" Rung Spacing, Add	*14.66*	
		For 4" Rung Spacing, Add	*26.88*	
		For 18" Rung Spacing, Deduct	*-2.44*	
		For Solid Bottom, Add	*55.80*	
		For Vented Trough Bottom, Add	*61.16*	

26 05 36 00-2549 Horizontal Crosses *(26 05 36 00-2516)*

26 05 36 00-2550	EA	6" Horizontal Cross, Fiberglass Cable Tray	244.42	109.30
		For 9" Rung Spacing, Add	*2.82*	
		For 6" Rung Spacing, Add	*12.08*	
		For 4" Rung Spacing, Add	*22.15*	
		For 18" Rung Spacing, Deduct	*-2.01*	
		For Solid Bottom, Add	*48.74*	
		For Vented Trough Bottom, Add	*52.70*	
26 05 36 00-2551	EA	9" Horizontal Cross, Fiberglass Cable Tray	259.41	117.75
		For 9" Rung Spacing, Add	*2.90*	
		For 6" Rung Spacing, Add	*12.44*	
		For 4" Rung Spacing, Add	*22.80*	
		For 18" Rung Spacing, Deduct	*-2.07*	
		For Solid Bottom, Add	*51.35*	
		For Vented Trough Bottom, Add	*55.23*	
26 05 36 00-2552	EA	12" Horizontal Cross, Fiberglass Cable Tray	274.40	126.20
		For 9" Rung Spacing, Add	*2.99*	
		For 6" Rung Spacing, Add	*12.79*	
		For 4" Rung Spacing, Add	*23.45*	
		For 18" Rung Spacing, Deduct	*-2.13*	
		For Solid Bottom, Add	*53.95*	
		For Vented Trough Bottom, Add	*57.75*	
26 05 36 00-2553	EA	18" Horizontal Cross, Fiberglass Cable Tray	293.81	134.52
		For 9" Rung Spacing, Add	*3.22*	
		For 6" Rung Spacing, Add	*13.82*	
		For 4" Rung Spacing, Add	*25.33*	
		For 18" Rung Spacing, Deduct	*-2.30*	
		For Solid Bottom, Add	*57.89*	
		For Vented Trough Bottom, Add	*62.05*	
26 05 36 00-2554	EA	24" Horizontal Cross, Fiberglass Cable Tray	311.64	142.96
		For 9" Rung Spacing, Add	*3.41*	
		For 6" Rung Spacing, Add	*14.60*	
		For 4" Rung Spacing, Add	*26.76*	
		For 18" Rung Spacing, Deduct	*-2.43*	
		For Solid Bottom, Add	*61.34*	
		For Vented Trough Bottom, Add	*65.72*	
26 05 36 00-2555	EA	30" Horizontal Cross, Fiberglass Cable Tray	332.86	151.41
		For 9" Rung Spacing, Add	*3.71*	
		For 6" Rung Spacing, Add	*15.89*	
		For 4" Rung Spacing, Add	*29.13*	
		For 18" Rung Spacing, Deduct	*-2.65*	
		For Solid Bottom, Add	*65.82*	
		For Vented Trough Bottom, Add	*70.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2556	EA	36" Horizontal Cross, Fiberglass Cable Tray	360.35	162.24
		For 9" Rung Spacing, Add	*4.10*	
		For 6" Rung Spacing, Add	*17.55*	
		For 4" Rung Spacing, Add	*32.18*	
		For 18" Rung Spacing, Deduct	*-2.93*	
		For Solid Bottom, Add	*71.61*	
		For Vented Trough Bottom, Add	*77.23*	

26 05 36 00-2557 Horizontal Wyes *(26 05 36 00-2516)*

26 05 36 00-2558	EA	6" Horizontal Wye, Fiberglass Cable Tray	151.03	63.03
		For 9" Rung Spacing, Add	*1.98*	
		For 6" Rung Spacing, Add	*8.47*	
		For 4" Rung Spacing, Add	*15.53*	
		For 18" Rung Spacing, Deduct	*-1.41*	
		For Solid Bottom, Add	*31.13*	
		For Vented Trough Bottom, Add	*34.41*	
26 05 36 00-2559	EA	9" Horizontal Wye, Fiberglass Cable Tray	159.63	67.32
		For 9" Rung Spacing, Add	*2.06*	
		For 6" Rung Spacing, Add	*8.82*	
		For 4" Rung Spacing, Add	*16.16*	
		For 18" Rung Spacing, Deduct	*-1.47*	
		For Solid Bottom, Add	*32.76*	
		For Vented Trough Bottom, Add	*36.12*	
26 05 36 00-2560	EA	12" Horizontal Wye, Fiberglass Cable Tray	193.39	88.25
		For 9" Rung Spacing, Add	*2.14*	
		For 6" Rung Spacing, Add	*9.15*	
		For 4" Rung Spacing, Add	*16.78*	
		For 18" Rung Spacing, Deduct	*-1.53*	
		For Solid Bottom, Add	*38.16*	
		For Vented Trough Bottom, Add	*40.95*	
26 05 36 00-2561	EA	18" Horizontal Wye, Fiberglass Cable Tray	215.92	99.21
		For 9" Rung Spacing, Add	*2.35*	
		For 6" Rung Spacing, Add	*10.07*	
		For 4" Rung Spacing, Add	*18.47*	
		For 18" Rung Spacing, Deduct	*-1.68*	
		For Solid Bottom, Add	*42.46*	
		For Vented Trough Bottom, Add	*45.46*	
26 05 36 00-2562	EA	24" Horizontal Wye, Fiberglass Cable Tray	226.98	103.38
		For 9" Rung Spacing, Add	*2.52*	
		For 6" Rung Spacing, Add	*10.79*	
		For 4" Rung Spacing, Add	*19.78*	
		For 18" Rung Spacing, Deduct	*-1.80*	
		For Solid Bottom, Add	*44.83*	
		For Vented Trough Bottom, Add	*48.15*	
26 05 36 00-2563	EA	30" Horizontal Wye, Fiberglass Cable Tray	243.51	109.30
		For 9" Rung Spacing, Add	*2.79*	
		For 6" Rung Spacing, Add	*11.94*	
		For 4" Rung Spacing, Add	*21.90*	
		For 18" Rung Spacing, Deduct	*-1.99*	
		For Solid Bottom, Add	*48.47*	
		For Vented Trough Bottom, Add	*52.33*	
26 05 36 00-2564	EA	36" Horizontal Wye, Fiberglass Cable Tray	264.47	117.75
		For 9" Rung Spacing, Add	*3.08*	
		For 6" Rung Spacing, Add	*13.20*	
		For 4" Rung Spacing, Add	*24.19*	
		For 18" Rung Spacing, Deduct	*-2.20*	
		For Solid Bottom, Add	*52.87*	
		For Vented Trough Bottom, Add	*57.25*	

26 05 36 00-2565 Straight Reducers *(26 05 36 00-2516)*

26 05 36 00-2566	EA	9" To 6" Reducer, Fiberglass Cable Tray	69.81	25.21
		For 9" Rung Spacing, Add	*1.12*	
		For 6" Rung Spacing, Add	*4.80*	
		For 4" Rung Spacing, Add	*8.80*	
		For 18" Rung Spacing, Deduct	*-0.80*	
		For Solid Bottom, Add	*15.27*	
		For Vented Trough Bottom, Add	*17.52*	
26 05 36 00-2567	EA	12" To 9" Reducer, Fiberglass Cable Tray	76.57	29.37
		For 9" Rung Spacing, Add	*1.14*	
		For 6" Rung Spacing, Add	*4.87*	
		For 4" Rung Spacing, Add	*8.92*	
		For 18" Rung Spacing, Deduct	*-0.81*	
		For Solid Bottom, Add	*16.35*	
		For Vented Trough Bottom, Add	*18.50*	
26 05 36 00-2568	EA	18" To 12" Reducer, Fiberglass Cable Tray	83.32	33.66
		For 9" Rung Spacing, Add	*1.15*	
		For 6" Rung Spacing, Add	*4.93*	
		For 4" Rung Spacing, Add	*9.04*	
		For 18" Rung Spacing, Deduct	*-0.82*	
		For Solid Bottom, Add	*17.43*	
		For Vented Trough Bottom, Add	*19.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2569	EA	24" To 18" Reducer, Fiberglass Cable Tray	89.50	36.94
		For 9" Rung Spacing, Add	*1.19*	
		For 6" Rung Spacing, Add	*5.10*	
		For 4" Rung Spacing, Add	*9.36*	
		For 18" Rung Spacing, Deduct	*-0.85*	
		For Solid Bottom, Add	*18.53*	
		For Vented Trough Bottom, Add	*20.55*	
26 05 36 00-2570	EA	30" To 24" Reducer, Fiberglass Cable Tray	100.21	40.35
		For 9" Rung Spacing, Add	*1.39*	
		For 6" Rung Spacing, Add	*5.96*	
		For 4" Rung Spacing, Add	*10.92*	
		For 18" Rung Spacing, Deduct	*-0.99*	
		For Solid Bottom, Add	*20.99*	
		For Vented Trough Bottom, Add	*23.44*	
26 05 36 00-2571	EA	36" To 30" Reducer, Fiberglass Cable Tray	112.92	44.62
		For 9" Rung Spacing, Add	*1.61*	
		For 6" Rung Spacing, Add	*6.92*	
		For 4" Rung Spacing, Add	*12.68*	
		For 18" Rung Spacing, Deduct	*-1.15*	
		For Solid Bottom, Add	*23.85*	
		For Vented Trough Bottom, Add	*26.80*	

26 05 36 00-2572 Vertical Tees *(26 05 36 00-2516)*

26 05 36 00-2573	EA	6" Vertical Tee, Fiberglass Cable Tray	214.55	63.03
		For 9" Rung Spacing, Add	*4.20*	
		For 6" Rung Spacing, Add	*18.00*	
		For 4" Rung Spacing, Add	*33.00*	
		For 18" Rung Spacing, Deduct	*-3.00*	
		For Solid Bottom, Add	*50.18*	
		For Vented Trough Bottom, Add	*59.82*	
26 05 36 00-2574	EA	9" Vertical Tee, Fiberglass Cable Tray	222.33	67.32
		For 9" Rung Spacing, Add	*4.25*	
		For 6" Rung Spacing, Add	*18.22*	
		For 4" Rung Spacing, Add	*33.41*	
		For 18" Rung Spacing, Deduct	*-3.04*	
		For Solid Bottom, Add	*51.57*	
		For Vented Trough Bottom, Add	*61.20*	
26 05 36 00-2575	EA	12" Vertical Tee, Fiberglass Cable Tray	255.32	88.25
		For 9" Rung Spacing, Add	*4.30*	
		For 6" Rung Spacing, Add	*18.44*	
		For 4" Rung Spacing, Add	*33.81*	
		For 18" Rung Spacing, Deduct	*-3.07*	
		For Solid Bottom, Add	*56.74*	
		For Vented Trough Bottom, Add	*65.73*	
26 05 36 00-2576	EA	18" Vertical Tee, Fiberglass Cable Tray	275.12	99.21
		For 9" Rung Spacing, Add	*4.42*	
		For 6" Rung Spacing, Add	*18.95*	
		For 4" Rung Spacing, Add	*34.75*	
		For 18" Rung Spacing, Deduct	*-3.16*	
		For Solid Bottom, Add	*60.22*	
		For Vented Trough Bottom, Add	*69.14*	
26 05 36 00-2577	EA	24" Vertical Tee, Fiberglass Cable Tray	284.60	103.38
		For 9" Rung Spacing, Add	*4.53*	
		For 6" Rung Spacing, Add	*19.43*	
		For 4" Rung Spacing, Add	*35.62*	
		For 18" Rung Spacing, Deduct	*-3.24*	
		For Solid Bottom, Add	*62.12*	
		For Vented Trough Bottom, Add	*71.20*	
26 05 36 00-2578	EA	30" Vertical Tee, Fiberglass Cable Tray	296.37	109.30
		For 9" Rung Spacing, Add	*4.64*	
		For 6" Rung Spacing, Add	*19.87*	
		For 4" Rung Spacing, Add	*36.43*	
		For 18" Rung Spacing, Deduct	*-3.31*	
		For Solid Bottom, Add	*64.33*	
		For Vented Trough Bottom, Add	*73.48*	
26 05 36 00-2579	EA	36" Vertical Tee, Fiberglass Cable Tray	322.86	117.75
		For 9" Rung Spacing, Add	*5.12*	
		For 6" Rung Spacing, Add	*21.95*	
		For 4" Rung Spacing, Add	*40.25*	
		For 18" Rung Spacing, Deduct	*-3.66*	
		For Solid Bottom, Add	*70.38*	
		For Vented Trough Bottom, Add	*80.61*	

26 05 36 00-2580 Flextray™ Cable Tray *(26 05 36 00-0001)*

26 05 36 00-2581 Flextray™ Cable Tray Straight Sections *(26 05 36 00-2580)*

Note: Includes splicing and splice bars.

26 05 36 00-2582	LF	2" Deep x 2" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	24.26	7.95
26 05 36 00-2583	LF	2" Deep x 4" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	30.28	8.47
26 05 36 00-2584	LF	2" Deep x 6" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	31.81	8.85
26 05 36 00-2585	LF	2" Deep x 8" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	33.43	9.30
26 05 36 00-2586	LF	2" Deep x 12" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	35.78	9.76
26 05 36 00-2587	LF	2" Deep x 16" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	38.40	10.21
26 05 36 00-2588	LF	2" Deep x 18" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	39.31	10.66

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2589	LF	2" Deep x 20" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	40.79	10.96
26 05 36 00-2590	LF	2" Deep x 24" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	41.67	11.27
26 05 36 00-2591	LF	4" Deep x 4" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	31.66	9.33
26 05 36 00-2592	LF	4" Deep x 6" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	34.41	9.71
26 05 36 00-2593	LF	4" Deep x 8" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	37.28	10.21
26 05 36 00-2594	LF	4" Deep x 12" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	39.56	10.71
26 05 36 00-2595	LF	4" Deep x 16" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	42.07	11.22
26 05 36 00-2596	LF	4" Deep x 18" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	45.40	11.72
26 05 36 00-2597	LF	4" Deep x 20" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	48.01	12.11
26 05 36 00-2598	LF	4" Deep x 24" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	49.93	12.36
26 05 36 00-2599	LF	4" Deep x 30" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	63.19	13.24
26 05 36 00-2600	LF	6" Deep x 8" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	41.38	11.22
26 05 36 00-2601	LF	6" Deep x 12" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	46.90	11.72
26 05 36 00-2602	LF	6" Deep x 16" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	49.07	12.23
26 05 36 00-2603	LF	6" Deep x 18" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	52.85	12.86
26 05 36 00-2604	LF	6" Deep x 20" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	54.55	13.11
26 05 36 00-2605	LF	6" Deep x 24" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	66.43	13.49
26 05 36 00-2606		**Flextray™ Cable Tray Bends** *(26 05 36 00-2580)*		
		Note: Includes field fabricated bend and 90 degree kit.		
26 05 36 00-2607	EA	2" Deep x 2" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	18.23	5.92
26 05 36 00-2608	EA	2" Deep x 4" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	22.72	6.30
26 05 36 00-2609	EA	2" Deep x 6" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	31.81	8.83
26 05 36 00-2610	EA	2" Deep x 8" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	50.21	13.99
26 05 36 00-2611	EA	2" Deep x 12" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	71.58	19.54
26 05 36 00-2612	EA	2" Deep x 16" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	96.05	25.59
26 05 36 00-2613	EA	2" Deep x 18" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	110.38	32.02
26 05 36 00-2614	EA	2" Deep x 20" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	131.59	38.45
26 05 36 00-2615	EA	2" Deep x 24" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	166.73	45.14
26 05 36 00-2616	EA	4" Deep x 4" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	23.69	6.93
26 05 36 00-2617	EA	4" Deep x 6" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	34.45	9.71
26 05 36 00-2618	EA	4" Deep x 8" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	55.91	15.38
26 05 36 00-2619	EA	4" Deep x 12" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	79.15	21.44
26 05 36 00-2620	EA	4" Deep x 16" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	105.14	28.11
26 05 36 00-2621	EA	4" Deep x 18" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	127.14	35.17
26 05 36 00-2622	EA	4" Deep x 20" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	154.05	42.23
26 05 36 00-2623	EA	4" Deep x 24" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	199.76	49.55
26 05 36 00-2624	EA	4" Deep x 30" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	316.04	66.18
26 05 36 00-2625	EA	6" Deep x 8" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	62.01	16.77
26 05 36 00-2626	EA	6" Deep x 12" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	93.85	23.45
26 05 36 00-2627	EA	6" Deep x 16" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	122.69	30.64
26 05 36 00-2628	EA	6" Deep x 18" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	147.54	38.45
26 05 36 00-2629	EA	6" Deep x 20" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	174.59	46.02
26 05 36 00-2630	EA	6" Deep x 24" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	265.71	54.08
26 05 36 00-2631		**Flextray™ Cable Tray Brackets** *(26 05 36 00-2580)*		
26 05 36 00-2632	EA	6" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™	45.67	16.65
26 05 36 00-2633	EA	8" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™	48.63	16.65
26 05 36 00-2634	EA	12" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™	53.68	16.65
26 05 36 00-2635	EA	16" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™	65.38	18.16
26 05 36 00-2636	EA	18" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™	69.79	18.16
26 05 36 00-2637	EA	20" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™	71.27	18.16
26 05 36 00-2638	EA	24" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™	72.58	18.16

26 05 39 Underfloor Raceways for Electrical Systems *(26 05)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 39 00-0001		**Underfloor Ducts** *(26 05 39)*		
26 05 39 00-0002		**Straight Duct Sections 10' Long, 14 Gauge Steel** *(26 05 39 00-0001)*		
26 05 39 00-0003		**Standard Ducts, 3.8 Square Inches** *(26 05 39 00-0002)*		
26 05 39 00-0004	EA	Standard Underfloor Straight Duct Blank Without Inserts, 10' Long, 14 Gauge, 3.8 Square Inches	113.68	22.19
26 05 39 00-0005	EA	Standard Underfloor Straight Duct With 7/8" Inserts On 24" Centers, 10' Long, 14 Gauge, 3.8 Square Inches	143.54	25.97
26 05 39 00-0006		**Large Capacity Ducts, 8.9 Square Inches** *(26 05 39 00-0002)*		
26 05 39 00-0007	EA	Large Capacity Underfloor Straight Duct Blank Without Inserts, 10' Long, 14 Gauge, 8.9 Square Inches	191.26	28.11
26 05 39 00-0008	EA	Large Capacity Underfloor Straight Duct With 7/8" Inserts On 24" Centers, 10' Long, 14 Gauge, 8.9 Square Inches	219.30	31.14
26 05 39 00-0009		**Junction Boxes** *(26 05 39 00-0001)*		
26 05 39 00-0010		**One Level Junction Boxes** *(26 05 39 00-0009)*		
26 05 39 00-0011	EA	1 Level UF Duct Junction Box, 1 Standard Duct Without Partitions In Box	291.27	44.12
26 05 39 00-0012	EA	1 Level UF Duct Junction Box, 1 Large Duct Without Partitions In Box	330.33	47.27
26 05 39 00-0013	EA	1 Level UF Duct Junction Box, 1 Standard And Large Duct Per Side With Partitions In Box Note: Isolate each duct and form a continuous raceway through the box in both directions.	538.00	44.12
26 05 39 00-0014	EA	1 Level UF Duct Junction Box, 2 Standard Ducts Per Side With Partitions In Box	362.51	47.27
26 05 39 00-0015	EA	1 Level UF Duct Junction Box, 3 Standard Ducts Per Side With Partitions In Box	578.05	62.15
26 05 39 00-0016	EA	1 Level UF Duct Junction Box, 2 Large Ducts Per Side With Partitions In Box Duct	815.18	67.57
26 05 39 00-0017		**Two Level Junction Boxes** *(26 05 39 00-0009)*		
26 05 39 00-0018	EA	2 Level UF Duct Junction Box, 2 Standard Duct Cross, Intersects At Right Angles, Raceway Bottom Level Note: Accepts two standard ducts to form a continuous raceway at right angles to the top level raceway.	1,254.13	44.62
26 05 39 00-0019	EA	2 Level UF Duct Junction Box, 2 Large Duct Bottom Level: Accepts Two Large Capacity Ducts	1,443.83	47.27
26 05 39 00-0020		**Elbow Fittings** *(26 05 39 00-0001)*		
26 05 39 00-0021		**90 Degree Horizontal Elbow** *(26 05 39 00-0020)*		
26 05 39 00-0022	EA	Underfloor Standard Duct Horizontal Elbow Fitting, 90 Degree	143.38	16.26
26 05 39 00-0023	EA	Underfloor Large Duct Horizontal Elbow Fitting, 90 Degree	147.80	16.26
26 05 39 00-0024		**90 Degree Vertical Elbow** *(26 05 39 00-0020)*		
26 05 39 00-0025	EA	Underfloor Standard Duct Vertical Elbow Fitting, 90 Degree	79.02	16.26
26 05 39 00-0026	EA	Underfloor Large Duct Vertical Elbow Fitting, 90 Degree	80.79	16.26
26 05 39 00-0027		**Offset Elbow** *(26 05 39 00-0020)* Note: Two elbows required for crossover or crossunder.		
26 05 39 00-0028	EA	Underfloor Standard Duct Offset Elbow 45 Degree, 2 Required For Over-Under	79.02	18.91
26 05 39 00-0029	EA	Underfloor Large Duct Offset Elbow 45 Degree, 2 Required For Over-Under	80.79	18.91
26 05 39 00-0030		**Couplings** *(26 05 39 00-0001)*		
26 05 39 00-0031		**Sleeve Couplings** *(26 05 39 00-0030)*		
26 05 39 00-0032	EA	Underfloor Standard Duct Sleeve Coupling	49.64	25.21
26 05 39 00-0033	EA	Underfloor Large Duct Sleeve Coupling	76.83	25.21
26 05 39 00-0034		**Expansion Couplings** *(26 05 39 00-0030)*		
26 05 39 00-0035	EA	Underfloor Standard Duct Expansion Coupling	112.66	25.21
26 05 39 00-0036	EA	Underfloor Large Duct Expansion Coupling	114.87	26.60
26 05 39 00-0037		**Reducing Couplings** *(26 05 39 00-0030)*		
26 05 39 00-0038	EA	Reducing Coupling, Large To Standard Duct Underfloor Duct Coupling	113.17	3.78
26 05 39 00-0039		**Duct Supports** *(26 05 39 00-0001)*		
26 05 39 00-0040		**Combination Support And Coupling** *(26 05 39 00-0039)* Note: Includes leveling legs and anchoring feet.		
26 05 39 00-0041	EA	1 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	113.61	52.95
26 05 39 00-0042	EA	2 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	126.50	52.95
26 05 39 00-0043	EA	3 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	139.49	52.95
26 05 39 00-0044	EA	1 Large Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	126.50	59.26
26 05 39 00-0045	EA	2 Large Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	152.77	59.26
26 05 39 00-0046	EA	1 Standard And 1 Large Duct Support And Coupling With Leveling Legs And Anchor Feet	139.49	63.03
26 05 39 00-0047	EA	2 Standard And 1 Large Duct Support And Coupling With Leveling Legs And Anchor Feet	139.49	63.03
26 05 39 00-0048	EA	1 Standard And 2 Large Duct Support And Coupling With Leveling Legs And Anchor Feet	152.77	63.03

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 39 00-0049		Duct Support Only *(26 05 39 00-0039)*		
		Note: Includes leveling legs and anchoring feet.		
26 05 39 00-0050	EA	1 Underfloor Duct Support Only With Leveling Legs And Anchor Feet	102.70	46.65
26 05 39 00-0051	EA	2 Underfloor Duct Support Only With Leveling Legs And Anchor Feet	120.87	46.65
26 05 39 00-0052	EA	3 Underfloor Duct Support Only With Leveling Legs And Anchor Feet	140.51	46.65
26 05 39 00-0053		Underfloor Duct Accessories *(26 05 39 00-0001)*		
26 05 39 00-0054		Plugs For Unused Junction Box Openings And Duct Ends *(26 05 39 00-0053)*		
26 05 39 00-0055	EA	Standard Plugs For Unused Junction Box Opening And Underfloor Duct Ends	30.11	3.78
26 05 39 00-0056	EA	Large Plugs For Unused Junction Box Opening And Underfloor Duct Ends	30.77	3.78
26 05 39 00-0057		Conduit Adapters *(26 05 39 00-0053)*		
26 05 39 00-0058	EA	One 1-1/4" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter	42.68	6.30
26 05 39 00-0059	EA	Two 1-1/4" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter	45.32	6.30
26 05 39 00-0060	EA	One 2" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter	43.99	6.30
26 05 39 00-0061	EA	Three 1-1/4" Conduit To Large Duct Underfloor Conduit To Duct, Adapter	45.31	6.30
26 05 39 00-0062		Holders And Caps *(26 05 39 00-0053)*		
26 05 39 00-0063	EA	Tile Holder, Underfloor Duct Accessories	273.34	52.95
26 05 39 00-0064	EA	Terrazzo Holder, Underfloor Duct Accessories	528.32	52.95
26 05 39 00-0065	EA	Closing Caps For Inserts, Underfloor Duct Accessories	3.52	1.26
26 05 39 00-0066		Underfloor Dust Pans *(26 05 39 00-0001)*		
26 05 39 00-0067	EA	Underfloor Dust Carpet Pan	121.01	6.91

26 05 43 Underground Ducts and Raceways for Electrical Systems *(26 05)*

Note: Includes warning tape. See CSI section 33 71 19 23-0000 for underground trenched ductbank.

26 05 43 00-0001		Precast Concrete Trenches, One Piece Pedestrian Trench *(26 05 43)*		
		Note: Rated for 200 PSF Pedestrian Weight. Excludes excavation, removal of dirt and sand bedding.		
26 05 43 00-0002		10" Wide Pedestrian Trench *(26 05 43 00-0001)*		
26 05 43 00-0003	LF	Base, Solid Bottom 10" Wide x 15" Deep Pedestrian Trench	93.42	
26 05 43 00-0004	LF	Base, Open Bottom 10" Wide x 15" Deep Pedestrian Trench	89.39	
26 05 43 00-0005	LF	Base, Solid Bottom 10" Wide x 24" Deep Pedestrian Trench	129.74	
26 05 43 00-0006	LF	Base, Open Bottom 10" Wide x 24" Deep Pedestrian Trench	124.14	
26 05 43 00-0007	EA	End Wall, 10" Wide x 15" Deep Pedestrian Trench	63.56	
26 05 43 00-0008	EA	End Wall, 10" Wide x 24" Deep Pedestrian Trench	75.52	
26 05 43 00-0009	LF	Lid, Concrete, 10" Wide Pedestrian Trench	62.28	
26 05 43 00-0010		20" Wide Pedestrian Trench *(26 05 43 00-0001)*		
26 05 43 00-0011	LF	Base, Solid Bottom 20" Wide x 15" Deep Pedestrian Trench	118.54	
26 05 43 00-0012	LF	Base, Open Bottom 20" Wide x 15" Deep Pedestrian Trench	111.41	
26 05 43 00-0013	LF	Base, Solid Bottom 20" Wide x 24" Deep Pedestrian Trench	160.74	
26 05 43 00-0014	LF	Base, Open Bottom 20" Wide x 24" Deep Pedestrian Trench	154.24	
26 05 43 00-0015	EA	End Wall, 20" Wide x 15" Deep Pedestrian Trench	79.65	
26 05 43 00-0016	EA	End Wall, 20" Wide x 24" Deep Pedestrian Trench	116.05	
26 05 43 00-0017	LF	Lid, Concrete, 20" Wide Pedestrian Trench	77.88	
26 05 43 00-0018		30" Wide Pedestrian Trench *(26 05 43 00-0001)*		
26 05 43 00-0019	LF	Base, Solid Bottom 30" Wide x 15" Deep Pedestrian Trench	151.73	
26 05 43 00-0020	LF	Base, Open Bottom 30" Wide x 15" Deep Pedestrian Trench	177.85	
26 05 43 00-0021	LF	Base, Solid Bottom 30" Wide x 24" Deep Pedestrian Trench	189.76	
26 05 43 00-0022	LF	Base, Open Bottom 30" Wide x 24" Deep Pedestrian Trench	182.37	
26 05 43 00-0023	EA	End Wall, 30" Wide x 15" Deep Pedestrian Trench	114.41	
26 05 43 00-0024	EA	End Wall, 30" Wide x 24" Deep Pedestrian Trench	154.88	
26 05 43 00-0025	LF	Lid, Concrete, 30" Wide Pedestrian Trench	97.18	
26 05 43 00-0026		40" Wide Pedestrian Trench *(26 05 43 00-0001)*		
26 05 43 00-0027	LF	Base, Solid Bottom 40" Wide x 15" Deep Pedestrian Trench	181.96	
26 05 43 00-0028	LF	Base, Open Bottom 40" Wide x 15" Deep Pedestrian Trench	175.23	
26 05 43 00-0029	LF	Base, Solid Bottom 40" Wide x 24" Deep Pedestrian Trench	222.65	
26 05 43 00-0030	LF	Base, Open Bottom 40" Wide x 24" Deep Pedestrian Trench	214.42	
26 05 43 00-0031	EA	End Wall, 40" Wide x 15" Deep Pedestrian Trench	146.44	
26 05 43 00-0032	EA	End Wall, 40" Wide x 24" Deep Pedestrian Trench	198.02	
26 05 43 00-0033	LF	Lid, Concrete, 40" Wide Pedestrian Trench	114.94	
26 05 43 00-0034		Precast Concrete Trenches, One Piece Medium Vehicle Trench *(26 05 43)*		
		Note: Rated for 7,000 Lb Gross Vehicle Weight. Excludes excavation, removal of dirt and sand bedding.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 43 00-0035		**10" Wide Medium Vehicle Trench** *(26 05 43 00-0034)*		
26 05 43 00-0036	LF	Base, Solid Bottom 10" Wide x 15" Deep Medium Vehicle Trench	113.21	
26 05 43 00-0037	LF	Base, Open Bottom 10" Wide x 15" Deep Medium Vehicle Trench	107.98	
26 05 43 00-0038	LF	Base, Solid Bottom 10" Wide x 24" Deep Medium Vehicle Trench	157.20	
26 05 43 00-0039	LF	Base Open Bottom 10" Wide x 24" Deep Medium Vehicle Trench	149.96	
26 05 43 00-0040	EA	End Wall, 10" Wide x 15" Deep Medium Vehicle Trench	74.56	
26 05 43 00-0041	EA	End Wall, 10" Wide x 24" Deep Medium Vehicle Trench	87.05	
26 05 43 00-0042	LF	Lid, Concrete 10" Wide Medium Vehicle Trench	75.47	
26 05 43 00-0043	LF	Lid, Galvanized Steel 10" Wide Medium Vehicle Trench	333.01	
26 05 43 00-0044		**20" Wide Medium Vehicle Trench** *(26 05 43 00-0034)*		
26 05 43 00-0045	LF	Base, Solid Bottom 20" Wide x 15" Deep Medium Vehicle Trench	142.70	
26 05 43 00-0046	LF	Base, Open Bottom 20" Wide x 15" Deep Medium Vehicle Trench	133.50	
26 05 43 00-0047	LF	Base, Solid Bottom 20" Wide x 24" Deep Medium Vehicle Trench	192.59	
26 05 43 00-0048	LF	Base Open Bottom 20" Wide x 24" Deep Medium Vehicle Trench	184.19	
26 05 43 00-0049	EA	End Wall, 20" Wide x 15" Deep Medium Vehicle Trench	92.38	
26 05 43 00-0050	EA	End Wall, 20" Wide x 24" Deep Medium Vehicle Trench	134.78	
26 05 43 00-0051	LF	Lid, Concrete 20" Wide Medium Vehicle Trench	94.37	
26 05 43 00-0052	LF	Lid, Galvanized Steel 20" Wide Medium Vehicle Trench	441.59	
26 05 43 00-0053		**30" Wide Medium Vehicle Trench** *(26 05 43 00-0034)*		
26 05 43 00-0054	LF	Base, Solid Bottom 30" Wide x 15" Deep Medium Vehicle Trench	144.39	
26 05 43 00-0055	LF	Base, Open Bottom 30" Wide x 15" Deep Medium Vehicle Trench	172.76	
26 05 43 00-0056	LF	Base, Solid Bottom 30" Wide x 24" Deep Medium Vehicle Trench	226.02	
26 05 43 00-0057	LF	Base Open Bottom 30" Wide x 24" Deep Medium Vehicle Trench	216.46	
26 05 43 00-0058	EA	End Wall, 30" Wide x 15" Deep Medium Vehicle Trench	131.97	
26 05 43 00-0059	EA	End Wall, 30" Wide x 24" Deep Medium Vehicle Trench	180.87	
26 05 43 00-0060	LF	Lid, Concrete 30" Wide Medium Vehicle Trench	118.08	
26 05 43 00-0061	LF	Lid, Galvanized Steel 30" Wide Medium Vehicle Trench	551.25	
26 05 43 00-0062		**40" Wide Medium Vehicle Trench** *(26 05 43 00-0034)*		
26 05 43 00-0063	LF	Base, Solid Bottom 40" Wide x 15" Deep Medium Vehicle Trench	214.91	
26 05 43 00-0064	LF	Base, Open Bottom 40" Wide x 15" Deep Medium Vehicle Trench	206.22	
26 05 43 00-0065	LF	Base, Solid Bottom 40" Wide x 24" Deep Medium Vehicle Trench	263.07	
26 05 43 00-0066	LF	Base Open Bottom 40" Wide x 24" Deep Medium Vehicle Trench	252.41	
26 05 43 00-0067	EA	End Wall, 40" Wide x 15" Deep Medium Vehicle Trench	168.93	
26 05 43 00-0068	EA	End Wall, 40" Wide x 24" Deep Medium Vehicle Trench	231.21	
26 05 43 00-0069	LF	Lid, Concrete 40" Wide Medium Vehicle Trench	139.10	
26 05 43 00-0070	LF	Lid, Galvanized Steel 40" Wide Medium Vehicle Trench	749.37	
26 05 43 00-0071		**Precast Concrete Trenches, One Piece H20 Road Crossing Trench** *(26 05 43)*		
		Note: H20 Rated for 32,000 Lb Gross Vehicle Weight. Excludes excavation, removal of dirt and sand bedding.		
26 05 43 00-0072		**10" Wide H20 Road Crossing Trench** *(26 05 43 00-0071)*		
26 05 43 00-0073	LF	Base, Solid Bottom for Concrete Lid, 10" Wide x 16" Deep Road Crossing Trench	243.70	
26 05 43 00-0074	LF	Base, Open Bottom for Concrete Lid, 10" Wide x 16" Deep Road Crossing Trench	231.98	
26 05 43 00-0075	LF	Base, Solid Bottom for Concrete Lid, 10" Wide x 24" Deep Road Crossing Trench	304.58	
26 05 43 00-0076	LF	Base, Open Bottom for Concrete Lid, 10" Wide x 24" Deep Road Crossing Trench	289.79	
26 05 43 00-0077	LF	Base, Solid Bottom for Galvanized Steel Lid, 10" Wide x 16" Deep Road Crossing Trench	234.04	
26 05 43 00-0078	LF	Base, Open Bottom for Galvanized Steel Lid, 10" Wide x 16" Deep Road Crossing Trench	222.88	
26 05 43 00-0079	LF	Base, Solid Bottom for Galvanized Steel Lid, 10" Wide x 24" Deep Road Crossing Trench	294.92	
26 05 43 00-0080	LF	Base, Open Bottom for Galvanized Steel Lid, 10" Wide x 24" Deep Road Crossing Trench	280.72	
26 05 43 00-0081	EA	End Wall for Concrete Lid, 10" Wide x 16" Deep Road Crossing Trench	161.53	
26 05 43 00-0082	EA	End Wall for Concrete Lid, 10" Wide x 24" Deep Road Crossing Trench	218.68	
26 05 43 00-0083	EA	End Wall for Galvanized Steel Lid, 10" Wide x 16" Deep Road Crossing Trench	146.20	
26 05 43 00-0084	EA	End Wall for Galvanized Steel Lid, 10" Wide x 24" Deep Road Crossing Trench	203.01	
26 05 43 00-0085	LF	Lid, Concrete 10" Wide Road Crossing Trench	112.69	
26 05 43 00-0086	LF	Lid, Galvanized Steel 10" Wide Road Crossing Trench	361.33	
26 05 43 00-0087		**20" Wide H20 Road Crossing Trench** *(26 05 43 00-0071)*		
26 05 43 00-0088	LF	Base, Solid Bottom for Concrete Lid, 20" Wide x 16" Deep Road Crossing Trench	258.70	
26 05 43 00-0089	LF	Base, Open Bottom for Concrete Lid, 20" Wide x 16" Deep Road Crossing Trench	246.67	
26 05 43 00-0090	LF	Base, Solid Bottom for Concrete Lid, 20" Wide x 24" Deep Road Crossing Trench	342.41	
26 05 43 00-0091	LF	Base, Open Bottom for Concrete Lid, 20" Wide x 24" Deep Road Crossing Trench	326.32	
26 05 43 00-0092	LF	Base, Solid Bottom for Galvanized Steel Lid, 20" Wide x 16" Deep Road Crossing Trench	258.70	
26 05 43 00-0093	LF	Base, Open Bottom for Galvanized Steel Lid, 20" Wide x 16" Deep Road Crossing Trench	246.67	
26 05 43 00-0094	LF	Base, Solid Bottom for Galvanized Steel Lid, 20" Wide x 24" Deep Road Crossing Trench	332.75	
26 05 43 00-0095	LF	Base, Open Bottom for Galvanized Steel Lid, 20" Wide x 24" Deep Road Crossing Trench	317.25	
26 05 43 00-0096	EA	End Wall for Concrete Lid, 20" Wide x 16" Deep Road Crossing Trench	230.67	
26 05 43 00-0097	EA	End Wall for Concrete Lid, 20" Wide x 24" Deep Road Crossing Trench	314.05	
26 05 43 00-0098	EA	End Wall for Galvanized Steel Lid, 20" Wide x 16" Deep Road Crossing Trench	208.35	
26 05 43 00-0099	EA	End Wall for Galvanized Steel Lid, 20" Wide x 24" Deep Road Crossing Trench	291.73	
26 05 43 00-0100	LF	Lid, Concrete 20" Wide Road Crossing Trench	125.76	
26 05 43 00-0101	LF	Lid, Galvanized Steel 20" Wide Road Crossing Trench	535.89	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 43 00-0102		30" Wide H20 Road Crossing Trench *(26 05 43 00-0071)*		
26 05 43 00-0103	LF	Base, Solid Bottom for Concrete Lid, 30" Wide x 16" Deep Road Crossing Trench	305.95	
26 05 43 00-0104	LF	Base, Open Bottom for Concrete Lid, 30" Wide x 16" Deep Road Crossing Trench	292.18	
26 05 43 00-0105	LF	Base, Solid Bottom for Concrete Lid, 30" Wide x 24" Deep Road Crossing Trench	378.24	
26 05 43 00-0106	LF	Base, Open Bottom for Concrete Lid, 30" Wide x 24" Deep Road Crossing Trench	361.14	
26 05 43 00-0107	LF	Base, Solid Bottom for Galvanized Steel Lid, 30" Wide x 16" Deep Road Crossing Trench	296.28	
26 05 43 00-0108	LF	Base, Open Bottom for Galvanized Steel Lid, 30" Wide x 16" Deep Road Crossing Trench	283.09	
26 05 43 00-0109	LF	Base, Solid Bottom for Galvanized Steel Lid, 30" Wide x 24" Deep Road Crossing Trench	368.57	
26 05 43 00-0110	LF	Base, Open Bottom for Galvanized Steel Lid, 30" Wide x 24" Deep Road Crossing Trench	351.75	
26 05 43 00-0111	EA	End Wall for Concrete Lid, 30" Wide x 16" Deep Road Crossing Trench	307.91	
26 05 43 00-0112	EA	End Wall for Concrete Lid, 30" Wide x 24" Deep Road Crossing Trench	407.46	
26 05 43 00-0113	EA	End Wall for Galvanized Steel Lid, 30" Wide x 16" Deep Road Crossing Trench	278.59	
26 05 43 00-0114	EA	End Wall for Galvanized Steel Lid, 30" Wide x 24" Deep Road Crossing Trench	378.14	
26 05 43 00-0115	LF	Lid, Concrete 30" Wide Road Crossing Trench	159.13	
26 05 43 00-0116	LF	Lid, Galvanized Steel 30" Wide Road Crossing Trench	671.97	
26 05 43 00-0117		40" Wide H20 Road Crossing Trench *(26 05 43 00-0071)*		
26 05 43 00-0118	LF	Base, Solid Bottom for Concrete Lid, 40" Wide x 16" Deep Road Crossing Trench	338.14	
26 05 43 00-0119	LF	Base, Open Bottom for Concrete Lid, 40" Wide x 16" Deep Road Crossing Trench	323.35	
26 05 43 00-0120	LF	Base, Solid Bottom for Concrete Lid, 40" Wide x 24" Deep Road Crossing Trench	416.26	
26 05 43 00-0121	LF	Base, Open Bottom for Concrete Lid, 40" Wide x 24" Deep Road Crossing Trench	397.69	
26 05 43 00-0122	LF	Base, Solid Bottom for Galvanized Steel Lid, 40" Wide x 16" Deep Road Crossing Trench	328.48	
26 05 43 00-0123	LF	Base, Open Bottom for Galvanized Steel Lid, 40" Wide x 16" Deep Road Crossing Trench	314.28	
26 05 43 00-0124	LF	Base, Solid Bottom for Galvanized Steel Lid, 40" Wide x 24" Deep Road Crossing Trench	406.59	
26 05 43 00-0125	LF	Base, Open Bottom for Galvanized Steel Lid, 40" Wide x 24" Deep Road Crossing Trench	388.60	
26 05 43 00-0126	EA	End Wall for Concrete Lid, 40" Wide x 16" Deep Road Crossing Trench	382.19	
26 05 43 00-0127	EA	End Wall for Concrete Lid, 40" Wide x 24" Deep Road Crossing Trench	505.46	
26 05 43 00-0128	EA	End Wall for Galvanized Steel Lid, 40" Wide x 16" Deep Road Crossing Trench	346.21	
26 05 43 00-0129	EA	End Wall for Galvanized Steel Lid, 40" Wide x 24" Deep Road Crossing Trench	469.47	
26 05 43 00-0130	LF	Lid, Concrete 40" Wide Road Crossing Trench	192.25	
26 05 43 00-0131	LF	Lid, Galvanized Steel 40" Wide Road Crossing Trench	913.65	

26 05 46 Utility Poles for Electrical Systems *(26 05)*

26 05 46 00-0001 Wood Poles *(26 05 46)*

26 05 46 00-0002 Wood Pole, Class 3, Penta-Treated To 8 Lb. Retention *(26 05 46 00-0001)*

Note: Machine dig and set.

26 05 46 00-0003	EA	25' Treated Wood Pole, Class 3, Machine Dig And Set	1,006.20	327.14
		For Class 1 Pole, Add	*123.13*	
		For Class 2 Pole, Add	*70.36*	
		For Class 4 Pole, Deduct	*-35.18*	
		For Class 5 Pole, Deduct	*-105.54*	
		For Class 6 Pole, Deduct	*-140.72*	
26 05 46 00-0004	EA	30' Treated Wood Pole, Class 3, Machine Dig And Set	1,203.63	362.96
		For Class 1 Pole, Add	*167.18*	
		For Class 2 Pole, Add	*95.53*	
		For Class 4 Pole, Deduct	*-47.77*	
		For Class 5 Pole, Deduct	*-143.30*	
		For Class 6 Pole, Deduct	*-191.06*	
26 05 46 00-0005	EA	35' Treated Wood Pole, Class 3, Machine Dig And Set	1,560.60	480.04
		For Class 1 Pole, Add	*210.23*	
		For Class 2 Pole, Add	*120.13*	
		For Class 4 Pole, Deduct	*-60.07*	
		For Class 5 Pole, Deduct	*-180.20*	
		For Class 6 Pole, Deduct	*-240.26*	
26 05 46 00-0006	EA	40' Treated Wood Pole, Class 3, Machine Dig And Set	1,785.31	527.99
		For Class 1 Pole, Add	*255.28*	
		For Class 2 Pole, Add	*145.87*	
		For Class 4 Pole, Deduct	*-72.94*	
		For Class 5 Pole, Deduct	*-218.81*	
		For Class 6 Pole, Deduct	*-291.74*	
26 05 46 00-0007	EA	45' Treated Wood Pole, Class 3, Machine Dig And Set	2,040.04	588.07
		For Class 1 Pole, Add	*302.33*	
		For Class 2 Pole, Add	*172.76*	
		For Class 4 Pole, Deduct	*-86.38*	
		For Class 5 Pole, Deduct	*-259.14*	
		For Class 6 Pole, Deduct	*-345.52*	
26 05 46 00-0008	EA	50' Treated Wood Pole, Class 3, Machine Dig And Set	2,321.01	659.99
		For Class 1 Pole, Add	*350.38*	
		For Class 2 Pole, Add	*200.22*	
		For Class 4 Pole, Deduct	*-100.11*	
		For Class 5 Pole, Deduct	*-300.32*	
		For Class 6 Pole, Deduct	*-400.43*	
26 05 46 00-0009	EA	55' Treated Wood Pole, Class 3, Machine Dig And Set	2,596.02	725.92
		For Class 1 Pole, Add	*400.43*	
		For Class 2 Pole, Add	*228.82*	
		For Class 4 Pole, Deduct	*-114.41*	
		For Class 5 Pole, Deduct	*-343.23*	
		For Class 6 Pole, Deduct	*-457.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0010	EA	60' Treated Wood Pole, Class 3, Machine Dig And Set	2,900.88	798.26
		For Class 1 Pole, Add	*456.49*	
		For Class 2 Pole, Add	*260.85*	
		For Class 4 Pole, Deduct	*-130.43*	
		For Class 5 Pole, Deduct	*-391.28*	
		For Class 6 Pole, Deduct	*-521.70*	
26 05 46 00-0011	EA	65' Treated Wood Pole, Class 3, Machine Dig And Set	4,745.38	870.04
		For Class 1 Pole, Add	*1,051.83*	
		For Class 2 Pole, Add	*601.05*	
		For Class 4 Pole, Deduct	*-300.52*	
		For Class 5 Pole, Deduct	*-901.57*	
		For Class 6 Pole, Deduct	*-1,202.10*	
26 05 46 00-0012	EA	70' Treated Wood Pole, Class 3, Machine Dig And Set	5,210.81	925.52
		For Class 1 Pole, Add	*1,175.91*	
		For Class 2 Pole, Add	*671.95*	
		For Class 4 Pole, Deduct	*-335.98*	
		For Class 5 Pole, Deduct	*-1,007.93*	
		For Class 6 Pole, Deduct	*-1,343.90*	
26 05 46 00-0013	EA	75' Treated Wood Pole, Class 3, Machine Dig And Set	5,727.61	988.52
		For Class 1 Pole, Add	*1,312.68*	
		For Class 2 Pole, Add	*750.10*	
		For Class 4 Pole, Deduct	*-375.05*	
		For Class 5 Pole, Deduct	*-1,125.15*	
		For Class 6 Pole, Deduct	*-1,500.20*	
26 05 46 00-0014		**Removal And Relocation Of Wood Poles With Cross Arm** *(26 05 46 00-0001)*		
26 05 46 00-0015	LF	Removal And Relocation Of Up To 75' Wood Pole With Cross Arms	27.88	
26 05 46 00-0016		**Crossarms** *(26 05 46)* Note: Includes hardware and braces.		
26 05 46 00-0017		**Wood Single Arm Crossarms** *(26 05 46 00-0016)*		
26 05 46 00-0018	EA	3-1/2" x 4-1/2" x 5'-7", Single Arm Wood Crossarm, With Hardware And Braces	238.69	97.57
26 05 46 00-0019	EA	3-1/2" x 4-1/2" x 8'-0", Single Arm Wood Crossarm, With Hardware And Braces	288.56	97.57
26 05 46 00-0020	EA	3-3/4" x 4-3/4" x 10'-0", Single Arm Wood Crossarm, With Hardware And Braces	302.94	125.45
26 05 46 00-0021		**Wood Double Arm Crossarms** *(26 05 46 00-0016)*		
26 05 46 00-0022	EA	3-1/2" x 4-1/2" x 5'-7", Double Arm Wood Crossarm, With Hardware And Braces	614.80	271.80
26 05 46 00-0023	EA	3-1/2" x 4-1/2" x 8'-0", Double Arm Wood Crossarm, With Hardware And Braces	654.63	271.80
26 05 46 00-0024	EA	3-3/4" x 4-3/4" x 10'-0", Double Arm Wood Crossarm, With Hardware And Braces	681.49	271.80
26 05 46 00-0025		**Fiberglass Crossarms** *(26 05 46 00-0016)* Note: Includes hardware.		
26 05 46 00-0026		**Single Phase, 15 Degree Angle** *(26 05 46 00-0025)*		
26 05 46 00-0027	EA	Fiberglass Cutout And Arrestor Bracket, 18", Minimum Ultimate Load 800 Lb.	275.51	
26 05 46 00-0028	EA	Fiberglass Insulator Bracket, 14", 11/16" Diameter Hole, Minimum Ultimate Load 1,200 Lb.	347.14	58.55
26 05 46 00-0029	EA	Fiberglass Insulator Bracket, 14", 1" Lead Threaded, Minimum Ultimate Load 1,200 Lb.	361.07	62.72
26 05 46 00-0030		**Two Phase, 15 Degree Angle** *(26 05 46 00-0025)*		
26 05 46 00-0031	EA	Fiberglass Insulator Bracket, 36", Minimum Ultimate Load 1,200 Lb.	432.38	75.27
26 05 46 00-0032		**Fiberglass Crossarm Accessories** *(26 05 46 00-0025)*		
26 05 46 00-0033	EA	Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 7,000 Lb. Per Conductor	690.62	96.18
26 05 46 00-0034	EA	Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 12,000 Lb. Per Conductor	818.23	117.08
26 05 46 00-0035	EA	Pole Top Pin, Hot Dip Galvanized, 18", 1" Lead Threaded	120.10	16.72
26 05 46 00-0036	EA	Three Phase Equipment Mounting Bracket	600.54	83.64
26 05 46 00-0037	EA	Fiberglass Bull Horn Crossarm	471.82	139.39
26 05 46 00-0038		**Insulator Support System** *(26 05 46 00-0016)*		
26 05 46 00-0039		**Epoxy Construction Units, In Place Mounting** *(26 05 46 00-0038)* Note: Includes hardware.		
26 05 46 00-0040	EA	1-1/2" Diameter x 19" Long Pole Side Pins Vertical (1 Arm Installed), In Place Mounting	141.66	
26 05 46 00-0041	EA	1-1/2" Diameter x 15" Long Pole Top Pins, In Place Mounting	116.11	
26 05 46 00-0042	EA	Deadend Arms, In Place Mounting	339.10	
26 05 46 00-0043	EA	1-1/2" Diameter x 18" Long Pole Side Pins Vertical (2 Arms Installed), In Place Mounting	227.01	
26 05 46 00-0044		**Epoxy Construction Units, Grounding Mounting** *(26 05 46 00-0038)* Note: Includes hardware.		
26 05 46 00-0045	EA	1-1/2" Diameter x 18" Long Pole Side Pins Vertical, Grounding Mounting	101.33	
26 05 46 00-0046	EA	1-1/2" Diameter x 15" Long Pole Top Pins, Grounding Mounting	89.22	
26 05 46 00-0047	EA	Deadend Arms, Grounding Mounting	312.21	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0048		**Guying** *(26 05 46)* Note: Includes cable, anchor and rod assembly, guy marker.		
26 05 46 00-0049		**Down Guy** *(26 05 46 00-0048)*		
26 05 46 00-0050	EA	Down Guy For 25' To 40' Pole	1,002.15	390.28
26 05 46 00-0051	EA	Down Guy For 45' To 60' Pole	1,022.97	390.28
26 05 46 00-0052	EA	Down Guy For 65' To 75' Pole	1,065.79	390.28
26 05 46 00-0053	EA	Guy Guard, Plastic	45.80	
26 05 46 00-0054		**Head Guy, 50' Spans** *(26 05 46 00-0048)*		
26 05 46 00-0055	EA	Head Guy (50' Span), For 25' To 40' Pole	1,426.24	599.35
26 05 46 00-0056	EA	Head Guy (50' Span), For 45' To 60' Pole	1,426.24	599.35
26 05 46 00-0057	EA	Head Guy (50' Span), For 65' To 75' Pole	1,426.24	599.35
26 05 46 00-0058		**Guy Strain Insulators Additional Insulators** *(26 05 46 00-0048)* Note: As required at same material cost and labor.		
26 05 46 00-0059	EA	Guy Strain Insulator	593.88	292.71
26 05 46 00-0060		**Insulators** *(26 05 46)*		
26 05 46 00-0061		**Pin Insulator With Pin** *(26 05 46 00-0060)*		
26 05 46 00-0062	EA	5 KV Class 55-3, Pin Insulator With Pin	186.68	83.64
26 05 46 00-0063	EA	15 KV Class 55-5, Pin Insulator With Pin	191.85	83.64
26 05 46 00-0064		**Suspension Insulator** *(26 05 46 00-0060)* Note: Includes clevis and strain clamp.		
26 05 46 00-0065	EA	5 KV Class 52-2, Suspension Insulator, With Clevis And Strain Clamp	236.71	111.51
26 05 46 00-0066	EA	15 KV Class 52-4, Suspension Insulator, With Clevis And Strain Clamp	250.74	111.51
26 05 46 00-0067	EA	25 KV Class 2 x 52-4, Suspension Insulator, With Clevis And Strain Clamp	351.08	139.39
26 05 46 00-0068	EA	50 KV Class 4 x 52-4, Suspension Insulator, With Clevis And Strain Clamp	555.18	223.02
26 05 46 00-0069		**Spool Insulator With Clevis** *(26 05 46 00-0060)*		
26 05 46 00-0070	EA	5 KV Class 53-5, Spool Insulator With Clevis	78.81	34.84
26 05 46 00-0071	EA	15 KV Class, Spool Insulator With Clevis	252.45	125.45
26 05 46 00-0072	EA	25 KV Class, Spool Insulator With Clevis	327.45	125.45
26 05 46 00-0073		**Secondary Rack** *(26 05 46 00-0060)*		
26 05 46 00-0074	EA	1 Spool Secondary Rack	156.61	69.69
26 05 46 00-0075	EA	2 Spool Secondary Rack	161.14	88.92
26 05 46 00-0076	EA	3 Spool Secondary Rack	241.33	118.48
26 05 46 00-0077	EA	4 Spool Secondary Rack	271.30	118.48
26 05 46 00-0078		**Outdoor Load Break Switches** *(26 05 46)* Note: 3-Phase, group operated, 3-insulator, vertical break, high strength pin insulators worm gear operating mechanism operating rods, mechanisms, and switch bases are galvanized steel.		
26 05 46 00-0079		**7.2 KV Outdoor Load Break Switches** *(26 05 46 00-0078)*		
26 05 46 00-0080	EA	600 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	5,145.33	473.91
26 05 46 00-0081	EA	1,200 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	10,128.29	473.91
26 05 46 00-0082	EA	1,600 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	15,089.75	801.46
26 05 46 00-0083	EA	2,000 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	15,377.96	801.46
26 05 46 00-0084		**14.4 KV Outdoor Load Break Switches** *(26 05 46 00-0078)*		
26 05 46 00-0085	EA	600 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	6,299.82	473.91
26 05 46 00-0086	EA	1,200 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	11,981.11	473.91
26 05 46 00-0087	EA	1,600 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	15,089.75	801.46
26 05 46 00-0088	EA	2,000 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	15,377.96	801.46
26 05 46 00-0089		**23 KV Outdoor Load Break Switches** *(26 05 46 00-0078)*		
26 05 46 00-0090	EA	600 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	6,943.10	550.57
26 05 46 00-0091	EA	1,200 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	13,107.09	550.57
26 05 46 00-0092	EA	1,600 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	15,753.08	947.81
26 05 46 00-0093	EA	2,000 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	16,050.73	947.81
26 05 46 00-0094		**Square Distribution Poles** *(26 05 46)*		
26 05 46 00-0095		**Square Steel Tapered Shaft Distribution Poles** *(26 05 46 00-0094)*		
26 05 46 00-0096	EA	20', Steel Taped Shaft Distribution Pole	4,119.77	592.39
26 05 46 00-0097	EA	25', Steel Taped Shaft Distribution Pole	4,605.13	627.23
26 05 46 00-0098	EA	30', Steel Taped Shaft Distribution Pole	4,990.16	696.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0099	EA	35', Steel Taped Shaft Distribution Pole	5,523.98	766.62
26 05 46 00-0100	EA	40', Steel Taped Shaft Distribution Pole	7,571.67	836.31
26 05 46 00-0101		**Square Prestressed Concrete Distribution Poles** *(26 05 46 00-0094)*		
26 05 46 00-0102	EA	30', Prestressed Concrete Square Pole For Distribution	5,241.62	1,056.32
26 05 46 00-0103	EA	35', Prestressed Concrete Square Pole For Distribution	5,920.59	1,158.55
26 05 46 00-0104	EA	40', Prestressed Concrete Square Pole For Distribution	6,946.90	1,294.85
26 05 46 00-0105	EA	45', Prestressed Concrete Square Pole For Distribution	7,827.59	1,431.15
26 05 46 00-0106	EA	50', Prestressed Concrete Square Pole For Distribution	6,169.00	1,737.83
26 05 46 00-0107	EA	55', Prestressed Concrete Square Pole For Distribution	11,039.97	2,044.50
26 05 46 00-0108	EA	60', Prestressed Concrete Square Pole For Distribution	13,025.08	2,317.10
26 05 46 00-0109	EA	65', Prestressed Concrete Square Pole For Distribution	15,722.30	2,862.30
26 05 46 00-0110	EA	70', Prestressed Concrete Square Pole For Distribution	17,610.60	3,134.90
26 05 46 00-0111		**Aluminum Tapered Poles** *(26 05 46)*		
26 05 46 00-0112		**Aluminum Tapered Round Seamless Shaft Poles** *(26 05 46 00-0111)*		
26 05 46 00-0113	EA	20', Aluminum Tapered Round Seamless Shaft Pole For Distribution	3,731.34	522.70
26 05 46 00-0114	EA	25', Aluminum Tapered Round Seamless Shaft Pole For Distribution	5,239.91	557.54
26 05 46 00-0115	EA	30', Aluminum Tapered Round Seamless Shaft Pole For Distribution	6,029.23	627.23
26 05 46 00-0116	EA	35', Aluminum Tapered Round Seamless Shaft Pole For Distribution	7,163.27	696.93
26 05 46 00-0117	EA	40', Aluminum Tapered Round Seamless Shaft Pole For Distribution	10,910.83	766.62
26 05 46 00-0118		**Steel Service Poles Distribution** *(26 05 46)* Note: Direct embedded, bearing plate on base end, pole cap on top end, grounding nut, galvanized finish.		
26 05 46 00-0119		**Round Tapered Pole** *(26 05 46 00-0118)*		
26 05 46 00-0120	EA	40', Galvanized Steel Tapered Round Pole For Distribution	5,183.65	836.31
26 05 46 00-0121	EA	45', Galvanized Steel Tapered Round Pole For Distribution	6,031.86	906.00
26 05 46 00-0122	EA	50', Galvanized Steel Tapered Round Pole For Distribution	6,425.41	975.70
26 05 46 00-0123	EA	55', Galvanized Steel Tapered Round Pole For Distribution	7,570.83	1,115.08
26 05 46 00-0124	EA	60', Galvanized Steel Tapered Round Pole For Distribution	9,378.01	1,254.46
26 05 46 00-0125	EA	65', Galvanized Steel Tapered Round Pole For Distribution	11,082.33	1,601.53
26 05 46 00-0126	EA	70', Galvanized Steel Tapered Round Pole For Distribution	12,332.33	1,816.88
26 05 46 00-0127	EA	75', Galvanized Steel Tapered Round Pole For Distribution	13,628.23	2,044.50
26 05 46 00-0128	EA	80', Galvanized Steel Tapered Round Pole For Distribution	15,286.66	2,317.10
26 05 46 00-0129	EA	85', Galvanized Steel Tapered Round Pole For Distribution	16,337.50	2,453.40
26 05 46 00-0130	EA	90', Galvanized Steel Tapered Round Pole For Distribution	17,719.37	2,726.00
26 05 46 00-0131	EA	95', Galvanized Steel Tapered Round Pole For Distribution	19,498.00	3,066.75
26 05 46 00-0132	EA	100', Galvanized Steel Tapered Round Pole For Distribution	21,504.28	3,475.65
26 05 46 00-0133		**12 Sided Tapered** *(26 05 46 00-0118)*		
26 05 46 00-0134	EA	40', Galvanized Steel Tapered 12 Sided Pole For Distribution	8,947.42	836.31
26 05 46 00-0135	EA	45', Galvanized Steel Tapered 12 Sided Pole For Distribution	9,877.17	906.00
26 05 46 00-0136	EA	50', Galvanized Steel Tapered 12 Sided Pole For Distribution	10,942.13	975.70
26 05 46 00-0137	EA	55', Galvanized Steel Tapered 12 Sided Pole For Distribution	12,016.25	1,115.08
26 05 46 00-0138	EA	60', Galvanized Steel Tapered 12 Sided Pole For Distribution	16,000.41	1,254.46
26 05 46 00-0139	EA	65', Galvanized Steel Tapered 12 Sided Pole For Distribution	17,745.46	1,601.53
26 05 46 00-0140	EA	70', Galvanized Steel Tapered 12 Sided Pole For Distribution	20,562.01	1,816.88
26 05 46 00-0141	EA	75', Galvanized Steel Tapered 12 Sided Pole For Distribution	22,117.31	2,044.50
26 05 46 00-0142	EA	80', Galvanized Steel Tapered 12 Sided Pole For Distribution	23,765.08	2,317.10
26 05 46 00-0143	EA	85', Galvanized Steel Tapered 12 Sided Pole For Distribution	25,177.60	2,453.40
26 05 46 00-0144	EA	90', Galvanized Steel Tapered 12 Sided Pole For Distribution	28,588.85	2,726.00
26 05 46 00-0145	EA	95', Galvanized Steel Tapered 12 Sided Pole For Distribution	30,337.03	3,066.75
26 05 46 00-0146	EA	100', Galvanized Steel Tapered 12 Sided Pole For Distribution	32,414.46	3,475.65
26 05 46 00-0147	EA	105', Galvanized Steel Tapered 12 Sided Pole For Distribution	34,639.63	3,884.55
26 05 46 00-0148		**Standard Options For Round, 12 Sided and Octagonal Tapered Poles** *(26 05 46 00-0118)*		
26 05 46 00-0149	EA	Ladder Clips	24.55	
26 05 46 00-0150	EA	Coal Tar Epoxy Coating From Base To 1' Above Ground Line	184.22	
26 05 46 00-0151	EA	Ground Sleeve-2' At Ground Line	185.29	
26 05 46 00-0152		**Arms With Baseplates And Endplates** *(26 05 46 00-0118)*		
26 05 46 00-0153	EA	4' Arm With Baseplate And Endplate	884.45	139.39
26 05 46 00-0154	EA	5' Arm With Baseplate And Endplate	966.57	139.39
26 05 46 00-0155	EA	6' Arm With Baseplate And Endplate	1,189.19	209.07
26 05 46 00-0156	EA	7' Arm With Baseplate And Endplate	1,261.02	209.07
26 05 46 00-0157	EA	8' Arm With Baseplate And Endplate	1,481.47	278.77
26 05 46 00-0158	EA	9' Arm With Baseplate And Endplate	1,563.55	278.77
26 05 46 00-0159	EA	10' Arm With Baseplate And Endplate	2,082.83	348.46
26 05 46 00-0160	EA	11' Arm With Baseplate And Endplate	2,174.97	348.46
26 05 46 00-0161		**Standard Vangs Load Bearing At Any Angle** *(26 05 46 00-0118)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0162	EA	15,000 Lb. Standard Vangs Load Bearing At Any Angle	346.50	139.39
26 05 46 00-0163	EA	30,000 Lb. Standard Vangs Load Bearing At Any Angle	396.81	139.39
26 05 46 00-0164	EA	45,000 Lb. Standard Vangs Load Bearing At Any Angle	465.62	139.39
26 05 46 00-0165		**Armless Construction Brackets** *(26 05 46 00-0118)*		
26 05 46 00-0166		**Verticals Insulator And Equipment Bracket** *(26 05 46 00-0165)*		
26 05 46 00-0167	EA	7" 1 Position Vertical Insulation And Equipment Bracket	354.70	139.39
26 05 46 00-0168	EA	12" 1 Position Vertical Insulation And Equipment Bracket	386.47	139.39
26 05 46 00-0169	EA	12" 3 Position Vertical Insulation And Equipment Bracket	438.08	139.39
26 05 46 00-0170	EA	18" 1 Position Vertical Insulation And Equipment Bracket	610.99	209.07
26 05 46 00-0171	EA	18" 3 Position Vertical Insulation And Equipment Bracket	641.13	209.07
26 05 46 00-0172		**Horizontal And Multiple Insulator Brackets** *(26 05 46 00-0165)*		
26 05 46 00-0173	EA	Sidepole 1 7/8" Clearance Horizontal And Multiple Insulation Brackets	329.96	139.39
26 05 46 00-0174	EA	Sidepole 2" Clearance Horizontal And Multiple Insulation Brackets	396.72	139.39
26 05 46 00-0175	EA	Sidepole 9" Clearance Horizontal And Multiple Insulation Brackets	578.66	209.07
26 05 46 00-0176	EA	Sidepole 10" Clearance Horizontal And Multiple Insulation Brackets	736.21	209.07
26 05 46 00-0177	EA	Sidepole 15" Clearance Horizontal And Multiple Insulation Brackets	941.48	278.77
26 05 46 00-0178	EA	Sidepole 20" Clearance Horizontal And Multiple Insulation Brackets	1,025.10	278.77
26 05 46 00-0179		**Pole Top Bracket And Pins** *(26 05 46 00-0165)*		
26 05 46 00-0180	EA	Pole Top Pin - 5"	339.65	139.39
26 05 46 00-0181	EA	Pole Top Bracket - 5"	355.87	139.39
26 05 46 00-0182		**Angle Pins** *(26 05 46 00-0165)*		
26 05 46 00-0183	EA	Angle Pin - 25 Degree, 6"	337.47	139.39
26 05 46 00-0184	EA	Angle Pin - 25 Degree, 7 1/4"	390.10	139.39
26 05 46 00-0185		**Static And Neutral Wire Brackets** *(26 05 46 00-0165)*		
26 05 46 00-0186	EA	Neutral Wire Extension Bracket	353.77	139.39
26 05 46 00-0187	EA	Static Wire Support Bracket	359.15	139.39
26 05 46 00-0188		**Cutout, Arrestor And Terminator Brackets** *(26 05 46 00-0165)*		
26 05 46 00-0189	EA	Cutout And Arrestor, With Mounting Bracket	315.32	139.39
26 05 46 00-0190	EA	Equipment Mounting T Bracket	339.23	139.39
26 05 46 00-0191	EA	15 KV Cutout	448.70	
26 05 46 00-0192	EA	9/10 KV Arrestor	415.05	139.39
26 05 46 00-0193		**Spacer Cable, Conduit Support And Cluster Bracket** *(26 05 46 00-0165)*		
26 05 46 00-0194	EA	Parallel Cable Spacer	392.37	139.39
26 05 46 00-0195	EA	Conduit Standoff Support Bracket	375.20	139.39
26 05 46 00-0196	EA	Three Transformer Pole Mounted Cluster Bracket	970.34	139.39
26 05 46 00-0197		**15 KV, 200 Amperes, Solenoid Operated High Voltage Switch** *(26 05 46 00-0165)*		
		Note: Includes pole mounting bracket.		
26 05 46 00-0198	EA	15 KV, 1 Phase, Solenoid Switch With Pole Bracket	2,179.24	348.46
26 05 46 00-0199		**Octagonal Tapered** *(26 05 46 00-0118)*		
26 05 46 00-0200	EA	40', Galvanized Steel Tapered Octagonal Pole For Distribution	9,227.17	836.31
26 05 46 00-0201	EA	45', Galvanized Steel Tapered Octagonal Pole For Distribution	10,187.44	906.00
26 05 46 00-0202	EA	50', Galvanized Steel Tapered Octagonal Pole For Distribution	11,288.00	975.70
26 05 46 00-0203	EA	55', Galvanized Steel Tapered Octagonal Pole For Distribution	12,392.63	1,184.77
26 05 46 00-0204	EA	60', Galvanized Steel Tapered Octagonal Pole For Distribution	16,519.22	1,254.46
26 05 46 00-0205	EA	65', Galvanized Steel Tapered Octagonal Pole For Distribution	18,304.96	1,601.53
26 05 46 00-0206	EA	70', Galvanized Steel Tapered Octagonal Pole For Distribution	21,213.06	1,703.75
26 05 46 00-0207	EA	75', Galvanized Steel Tapered Octagonal Pole For Distribution	22,811.59	2,044.50
26 05 46 00-0208	EA	80', Galvanized Steel Tapered Octagonal Pole For Distribution	24,500.04	2,180.81
26 05 46 00-0209	EA	85', Galvanized Steel Tapered Octagonal Pole For Distribution	25,955.81	2,453.40
26 05 46 00-0210	EA	90', Galvanized Steel Tapered Octagonal Pole For Distribution	29,476.42	2,589.71
26 05 46 00-0211	EA	95', Galvanized Steel Tapered Octagonal Pole For Distribution	31,270.37	3,066.75
26 05 46 00-0212	EA	100', Galvanized Steel Tapered Octagonal Pole For Distribution	33,393.59	3,271.21
26 05 46 00-0213	EA	105', Galvanized Steel Tapered Octagonal Pole For Distribution	35,669.61	3,680.11
26 05 46 00-0214		**Removal And Relocation Of Steel Service Poles** *(26 05 46 00-0118)*		
26 05 46 00-0215	LF	Removal And Relocation Of Steel Service Poles With Arms Up To 60'	48.78	
26 05 46 00-0216		**Special Steel Bases For Poles** *(26 05 46 00-0118)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0217	EA	Spin-In Steel Base For Poles	306.15	
26 05 46 00-0218	EA	Series 3, 25' Pole And less	341.34	69.69
26 05 46 00-0219	EA	Series 4, 40' Pole And less	407.11	80.15
26 05 46 00-0220	EA	Series 5, 50' Pole And less	465.93	87.12

26 05 53 Identification for Electrical Systems *(26 05)*

26 05 53 00-0001 Conduit Markers Pressure-Sensitive *(26 05 53)*

Note: Stick-on, includes arrow tape.

26 05 53 00-0002	EA	1/2" Outside Diameter Pressure Sensitive Marker Stick-on	13.95	
26 05 53 00-0003	EA	3/4" Outside Diameter Pressure Sensitive Marker Stick-on	14.58	
26 05 53 00-0004	EA	1" Outside Diameter Pressure Sensitive Marker Stick-on	15.85	
26 05 53 00-0005	EA	1-1/4" Outside Diameter Pressure Sensitive Marker Stick-on	16.10	
26 05 53 00-0006	EA	1-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	16.35	
26 05 53 00-0007	EA	2" Outside Diameter Pressure Sensitive Marker Stick-on	16.73	
26 05 53 00-0008	EA	2-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	19.51	
26 05 53 00-0009	EA	3" Outside Diameter Pressure Sensitive Marker Stick-on	20.01	
26 05 53 00-0010	EA	3-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	20.38	
26 05 53 00-0011	EA	4" Outside Diameter Pressure Sensitive Marker Stick-on	20.78	
26 05 53 00-0012	EA	4-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	21.56	
26 05 53 00-0013	EA	5" Outside Diameter Pressure Sensitive Marker Stick-on	22.41	
26 05 53 00-0014	EA	6" Outside Diameter Pressure Sensitive Marker Stick-on	23.15	
26 05 53 00-0015	EA	7" Outside Diameter Pressure Sensitive Marker Stick-on	23.90	
26 05 53 00-0016	EA	8" Outside Diameter Pressure Sensitive Marker Stick-on	26.16	
26 05 53 00-0017	EA	10" Outside Diameter Pressure Sensitive Marker Stick-on	27.55	

26 05 53 00-0018 Labeling Existing Electrical Wires *(26 05 53)*

Note: Self-adhesive vinyl coated white cloth

26 05 53 00-0019	EA	Labeling Existing Wire	3.87	

26 05 53 00-0020 Equipment Labeling *(26 05 53)*

26 05 53 00-0021	EA	Label Both Ends Of One 4 Pair Cable	24.81	
26 05 53 00-0022	EA	Label single gang face plate (2 labels required)	19.85	
26 05 53 00-0023	EA	Label two gang face plate (4 labels required)	29.78	
26 05 53 00-0024	EA	Label both ends of a Siamese (dual 4 Pair cable)	24.81	

26 05 83 Wiring Connections *(26 05)*

26 05 83 00-0001 Motor/Equipment Connections And Terminations *(26 05 83)*

Note: Includes rotation testing. If equipment rating is other than horsepower (KW, CFM, tons, Btu/Hr, etc.) convert units to horsepower and select proper circuit characteristics. Includes material conduit (6 LF max.), connectors and conductors. To connect electrical wiring to all new or existing equipment motors. See CSI section 23 05 13 00-0000 for motors, 23 05 13 00-0216 for motor mounting.

26 05 83 00-0002 AC Single Phase, 230 Volt *(26 05 83 00-0001)*

26 05 83 00-0003	EA	<1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	76.46	31.52
26 05 83 00-0004	EA	1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	76.01	31.52
26 05 83 00-0005	EA	3/4 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	89.16	37.82
26 05 83 00-0006	EA	1 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	109.06	47.27
26 05 83 00-0007	EA	1-1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	109.97	47.27
26 05 83 00-0008	EA	2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	110.15	47.27
26 05 83 00-0009	EA	3 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	113.12	47.27
26 05 83 00-0010	EA	5 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	145.00	63.03
26 05 83 00-0011	EA	7-1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	148.34	63.03
26 05 83 00-0012	EA	10 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	187.33	78.79

26 05 83 00-0013 AC Three Phase, 230 Volt *(26 05 83 00-0001)*

26 05 83 00-0014	EA	1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	76.01	31.52
26 05 83 00-0015	EA	3/4 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	89.16	37.82
26 05 83 00-0016	EA	1 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	109.06	47.27
26 05 83 00-0017	EA	1-1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	109.97	47.27
26 05 83 00-0018	EA	2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	110.15	47.27
26 05 83 00-0019	EA	3 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	113.12	47.27
26 05 83 00-0020	EA	5 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	145.00	63.03
26 05 83 00-0021	EA	7-1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	148.34	63.03
26 05 83 00-0022	EA	10 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	187.33	78.79
26 05 83 00-0023	EA	15 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	191.84	78.79
26 05 83 00-0024	EA	20 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	241.12	94.55
26 05 83 00-0025	EA	25 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	247.98	94.55
26 05 83 00-0026	EA	30 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	337.78	126.07
26 05 83 00-0027	EA	40 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	423.35	157.58
26 05 83 00-0028	EA	50 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	499.55	189.10
26 05 83 00-0029	EA	60 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	593.77	220.62
26 05 83 00-0030	EA	75 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	682.23	252.14
26 05 83 00-0031	EA	100 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	847.15	315.17
26 05 83 00-0032	EA	125 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	1,001.02	375.05

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0033	EA	150 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	1,184.29	437.45
26 05 83 00-0034	EA	200 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	1,693.90	656.05
26 05 83 00-0035		**AC Three Phase, 460 Volt** *(26 05 83 00-0001)*		
26 05 83 00-0036	EA	1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	76.01	31.52
26 05 83 00-0037	EA	3/4 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	89.16	37.82
26 05 83 00-0038	EA	1 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	109.06	47.27
26 05 83 00-0039	EA	1-1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	109.97	47.27
26 05 83 00-0040	EA	2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	110.15	47.27
26 05 83 00-0041	EA	3 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	113.12	47.27
26 05 83 00-0042	EA	5 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	145.00	63.03
26 05 83 00-0043	EA	7-1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	148.34	63.03
26 05 83 00-0044	EA	10 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	187.33	78.79
26 05 83 00-0045	EA	15 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	191.84	78.79
26 05 83 00-0046	EA	20 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	241.13	94.55
26 05 83 00-0047	EA	25 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	247.97	94.55
26 05 83 00-0048	EA	30 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	337.78	126.07
26 05 83 00-0049	EA	40 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	423.73	157.84
26 05 83 00-0050	EA	50 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	499.55	189.10
26 05 83 00-0051	EA	60 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	593.77	220.62
26 05 83 00-0052	EA	75 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	682.23	252.14
26 05 83 00-0053	EA	100 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	847.15	315.17
26 05 83 00-0054	EA	125 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	1,001.38	375.18
26 05 83 00-0055	EA	150 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	1,184.78	437.71
26 05 83 00-0056	EA	200 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	1,694.99	656.56
26 05 83 00-0057		**AC Single Phase, 120 Volt** *(26 05 83 00-0001)*		
26 05 83 00-0058	EA	1/2 HP AC And Less Single Phase, 120 Volt Motor/Equipment, Connection, Termination And Rotation Testing	76.46	31.52
26 05 83 00-0059		**Motor Moisture Sensor** *(26 05 83 00-0001)*		
26 05 83 00-0060	EA	Motor Moisture Sensor Located In Winding	791.68	
26 05 83 00-0061		**Tape Wrapped Compression Connectors** *(26 05 83)*		
26 05 83 00-0062	EA	#6 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	17.01	5.67
26 05 83 00-0063	EA	#4 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	18.66	6.30
26 05 83 00-0064	EA	#2 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	20.22	6.93
26 05 83 00-0065	EA	1/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	23.43	7.57
26 05 83 00-0066	EA	2/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	25.21	8.20
26 05 83 00-0067	EA	3/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	27.97	8.83
26 05 83 00-0068	EA	4/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	29.98	9.46
26 05 83 00-0069	EA	250 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	32.66	10.08
26 05 83 00-0070	EA	300 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	36.15	11.34
26 05 83 00-0071	EA	350 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	37.91	11.98
26 05 83 00-0072	EA	400 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	42.24	12.61
26 05 83 00-0073	EA	500 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	46.02	13.24
26 05 83 00-0074	EA	750 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	51.45	14.50
26 05 83 00-0075	EA	1,000 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	59.73	16.38
26 05 83 00-0076		**One Hole Compression Lugs** *(26 05 83)*		
26 05 83 00-0077	EA	#22-18 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	21.87	16.38
26 05 83 00-0078	EA	#16-14 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	22.04	16.38
26 05 83 00-0079	EA	#12-10 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	24.94	17.65
26 05 83 00-0080	EA	#8 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	31.01	19.54
26 05 83 00-0081	EA	#6 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	43.47	25.21
26 05 83 00-0082	EA	#4 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	50.81	25.21
26 05 83 00-0083	EA	#2 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	58.47	25.21
26 05 83 00-0084	EA	1/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	71.92	37.82
26 05 83 00-0085	EA	2/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	84.21	37.82
26 05 83 00-0086	EA	3/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	98.51	37.82
26 05 83 00-0087	EA	4/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	118.74	50.43
26 05 83 00-0088	EA	250 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	140.80	75.64
26 05 83 00-0089	EA	300 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	161.08	75.64
26 05 83 00-0090	EA	350 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	173.10	75.64
26 05 83 00-0091	EA	400 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	188.60	88.25
26 05 83 00-0092	EA	500 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	206.25	88.25
26 05 83 00-0093	EA	750 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	224.09	100.85
26 05 83 00-0094	EA	1,000 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	263.92	113.46
26 05 83 00-0095		**Two Hole Compression Lugs** *(26 05 83)*		
26 05 83 00-0096	EA	#8 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	44.73	21.44
26 05 83 00-0097	EA	#6 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	48.06	22.82
26 05 83 00-0098	EA	#4 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	50.61	22.82
26 05 83 00-0099	EA	#2 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	58.25	26.23
26 05 83 00-0100	EA	1/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	71.69	32.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0101	EA	2/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	83.97	38.95
26 05 83 00-0102	EA	3/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	98.24	45.64
26 05 83 00-0103	EA	4/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	118.43	55.35
26 05 83 00-0104	EA	250 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	140.44	65.68
26 05 83 00-0105	EA	300 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	160.67	75.01
26 05 83 00-0106	EA	350 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	172.66	80.81
26 05 83 00-0107	EA	400 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	188.09	87.49
26 05 83 00-0108	EA	500 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	205.67	95.56
26 05 83 00-0109	EA	750 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	224.87	103.63
26 05 83 00-0110	EA	1,000 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	278.73	126.07

26 05 83 00-0111 Tape Wrapped Split Bolt Connectors *(26 05 83)*

26 05 83 00-0112	EA	#8 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	66.57	50.43
26 05 83 00-0113	EA	#6 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	73.20	54.21
26 05 83 00-0114	EA	#4 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	83.47	56.73
26 05 83 00-0115	EA	#2 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	97.03	63.03
26 05 83 00-0116	EA	1/0 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	114.66	69.34
26 05 83 00-0117	EA	2/0 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	128.95	75.64
26 05 83 00-0118	EA	3/0 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	161.32	81.94
26 05 83 00-0119	EA	4/0 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	173.10	88.25
26 05 83 00-0120	EA	250 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	182.49	94.55
26 05 83 00-0121	EA	300 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	208.78	104.00
26 05 83 00-0122	EA	350 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	235.07	151.28
26 05 83 00-0123	EA	400 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	257.68	126.07
26 05 83 00-0124	EA	500 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	280.30	170.19
26 05 83 00-0125	EA	750 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	312.03	176.50
26 05 83 00-0126	EA	1,000 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	354.45	189.10

26 05 83 00-0127 Cable Termination Lugs Handwrapped, No Stress Cone *(26 05 83)*

26 05 83 00-0128	EA	#8 Or #6 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	111.47	50.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.47*	
26 05 83 00-0129	EA	#4 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	123.86	50.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.02*	
26 05 83 00-0130	EA	1/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	171.35	75.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.02*	
26 05 83 00-0131	EA	4/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	194.30	75.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.49*	
26 05 83 00-0132	EA	300 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	232.71	94.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*57.31*	
26 05 83 00-0133	EA	500 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	325.57	126.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.79*	

26 05 83 00-0134 Terminal Blocks *(26 05 83)*

Note: Labor excludes wire termination.

26 05 83 00-0135	EA	Power Distribution Block, 250 MCM 3 Phase Terminal Block, No Labor Wire Termination, 600 Volt	1,123.68	466.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*280.15*	
26 05 83 00-0136	EA	#22 To #10 Wire Size, 12 Point, 600 Volt Terminal Block	298.54	63.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.25*	
26 05 83 00-0137	EA	#8 To #2 Wire Size, 12 Point, 600 Volt Terminal Block	330.49	63.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.66*	

26 05 83 00-0138 Parallel Gutter Tap Or Motor Connection *(26 05 83)*

26 05 83 00-0139	EA	#8 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	44.72	22.82
26 05 83 00-0140	EA	#6 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	48.06	22.82
26 05 83 00-0141	EA	#4 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	50.61	22.82
26 05 83 00-0142	EA	#2 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	58.25	26.23
26 05 83 00-0143	EA	1/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	71.69	32.78
26 05 83 00-0144	EA	2/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	83.97	38.95
26 05 83 00-0145	EA	3/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	98.24	45.64
26 05 83 00-0146	EA	4/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	118.43	55.35
26 05 83 00-0147	EA	250 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	140.44	65.68
26 05 83 00-0148	EA	300 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	160.67	75.01
26 05 83 00-0149	EA	350 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	172.66	80.81
26 05 83 00-0150	EA	400 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	188.09	87.49
26 05 83 00-0151	EA	500 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	205.67	95.56
26 05 83 00-0152	EA	750 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	206.19	95.56
26 05 83 00-0153	EA	#8 AWG Parallel Gutter Tap, Versitap, Insulating Cover	44.72	22.82
26 05 83 00-0154	EA	#6 AWG Parallel Gutter Tap, Versitap, Insulating Cover	48.06	22.82
26 05 83 00-0155	EA	#4 AWG Parallel Gutter Tap, Versitap, Insulating Cover	50.61	22.82
26 05 83 00-0156	EA	#2 AWG Parallel Gutter Tap, Versitap, Insulating Cover	58.25	26.23
26 05 83 00-0157	EA	1/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	71.69	32.78
26 05 83 00-0158	EA	2/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	83.97	38.95
26 05 83 00-0159	EA	3/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	98.24	45.64
26 05 83 00-0160	EA	4/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	118.43	55.35
26 05 83 00-0161	EA	250 MCM Parallel Gutter Tap, Versitap, Insulating Cover	140.44	65.68
26 05 83 00-0162	EA	300 MCM Parallel Gutter Tap, Versitap, Insulating Cover	160.67	75.01
26 05 83 00-0163	EA	350 MCM Parallel Gutter Tap, Versitap, Insulating Cover	172.66	80.81

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0164	EA	400 MCM Parallel Gutter Tap, Versitap, Insulating Cover	188.09	87.49
26 05 83 00-0165	EA	500 MCM Parallel Gutter Tap, Versitap, Insulating Cover	205.67	95.56
26 05 83 00-0166	EA	750 MCM Parallel Gutter Tap, Versitap, Insulating Cover	206.19	95.56
26 05 83 00-0167		**Copper Mechanical Lugs** *(26 05 83)*		
26 05 83 00-0168	EA	#8 Copper Mechanical Lugs	35.71	15.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.46*	
26 05 83 00-0169	EA	#6 Copper Mechanical Lugs	42.86	19.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.42*	
26 05 83 00-0170	EA	#4 Copper Mechanical Lugs	49.52	22.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.24*	
26 05 83 00-0171	EA	#2 Copper Mechanical Lugs	64.78	28.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.88*	
26 05 83 00-0172	EA	1/0 Copper Mechanical Lugs	87.23	37.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.69*	
26 05 83 00-0173	EA	2/0 Copper Mechanical Lugs	103.94	43.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.36*	
26 05 83 00-0174	EA	3/0 Copper Mechanical Lugs	121.51	50.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.26*	
26 05 83 00-0175	EA	4/0 Copper Mechanical Lugs	138.28	56.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.93*	
26 05 83 00-0176	EA	250 MCM Copper Mechanical Lugs	158.27	63.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.82*	
26 05 83 00-0177	EA	300 MCM Copper Mechanical Lugs	177.96	69.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.62*	
26 05 83 00-0178	EA	350 MCM Copper Mechanical Lugs	197.56	75.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.38*	
26 05 83 00-0179	EA	400 MCM Copper Mechanical Lugs	217.03	81.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.13*	
26 05 83 00-0180	EA	500 MCM Copper Mechanical Lugs	236.82	88.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.95*	
26 05 83 00-0181	EA	750 MCM Copper Mechanical Lugs	268.43	100.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.32*	
26 05 83 00-0182	EA	1,000 MCM Copper Mechanical Lugs	303.88	113.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.08*	
26 05 83 00-0183		**Gel Connectors** *(26 05 83)*		
26 05 83 00-0184	EA	3 Port, #14 to 2/0, Push On Gel Stub Splice Kit Note: Kit contains connector, gel filled cap and cap clamp.	69.58	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.79*	
26 05 83 00-0185	EA	4 Port, #14 to 2, Gel Tap Splice Kit	67.10	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.55*	
26 05 83 00-0186		**Other Connections** *(26 05 83)*		
26 05 83 00-0187	EA	#14 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape	12.59	5.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.46*	
26 05 83 00-0188	EA	#12 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape	12.70	5.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.46*	
26 05 83 00-0189	EA	#10 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape	12.81	5.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.46*	

26 09 Instrumentation and Control for Electrical Systems *(26)*

Note: Includes testing of new devices and certification.

26 09 13 Electrical Power Monitoring *(26 09)*

26 09 13 00-0001		**Vending Machine Energy Usage Controls** *(26 09 13)*		
26 09 13 00-0002	EA	Wallmount VendingMiser® With PIR Occupany Sensor (Energy Miser VM150)	441.48	12.63
26 09 13 00-0003	EA	Wallmount VendingMiser® With 14' Data Cable (Energy Miser VM151)	392.52	6.31
26 09 13 00-0004	EA	Weatherproof Wallmount VendingMiser® With PIR Occupany Sensor (Energy Miser VM151)	463.22	12.63
26 09 13 00-0005	EA	Weatherproof Wallmount VendingMiser® With 14' Data Cable (Energy Miser VM161)	414.26	6.31
26 09 13 00-0006	EA	Velcro Mounted Easy-Install VendingMiser® With PIR Occupany Sensor (Energy Miser VM170)	428.86	10.10
26 09 13 00-0007	EA	Velcro Mounted Easy-Install VendingMiser® With 14' Data Cable (Energy Miser VM171)	386.20	5.05
26 09 13 00-0008	EA	Weatherproof Velcro Mounted Easy-Install VendingMiser® With PIR Occupany Sensor (Energy Miser VM180)	450.60	10.10
26 09 13 00-0009	EA	Weatherproof Velcro Mounted Easy-Install VendingMiser® With 14' Data Cable (Energy Miser VM181)	407.94	5.05
26 09 13 00-0010	EA	Wallmount CoolerMiser With PIR Occupany Sensor (Energy Miser CM150)	400.16	12.63
26 09 13 00-0011	EA	Wallmount CoolerMiser With 14' Data Cable (Energy Miser CM151)	351.21	6.31
26 09 13 00-0012	EA	Velcro Mounted Easy-Install CoolerMiser With PIR Occupany Sensor (Energy Miser CM170)	387.54	10.10
26 09 13 00-0013	EA	Velcro Mounted Easy-Install CoolerMiser With 14' Data Cable (Energy Miser CM171)	344.89	5.05
26 09 13 00-0014	EA	Wallmount SnackMiser With PIR Occupany Sensor (Energy Miser SM150)	400.16	12.63
26 09 13 00-0015	EA	Wallmount SnackMiser With 14' Data Cable (Energy Miser SM151)	351.21	6.31
26 09 13 00-0016	EA	Velcro Mounted Easy-Install SnackMiser With PIR Occupany Sensor (Energy Miser SM170)	387.54	10.10
26 09 13 00-0017	EA	Velcro Mounted Easy-Install SnackMiser With 14' Data Cable (Energy Miser SM171)	344.89	5.05
26 09 13 00-0018	EA	1200 Watt, Multi Plug Load, Wallmount PlugMiser With PIR Occupany Sensor (Energy Miser PM150)	400.16	12.63
26 09 13 00-0019	EA	1200 Watt, Multi Plug Load, Wallmount PlugMiser With 14' Data Cable (Energy Miser PM151)	351.21	6.31
26 09 13 00-0020	EA	1200 Watt, Multi Plug Load, Table Leg Mount PlugMiser With PIR Occupany Sensor (Energy Miser PM190)	400.16	12.63
26 09 13 00-0021	EA	Wattsup Line Logger (Energy Miser 60500)	301.27	18.94
26 09 13 00-0022	EA	Wattsup Pro Line Logger (Energy Miser 60501)	377.37	18.94

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 13 00-0023	EA	Test Drive Kit And Wallmount VendingMiser® With PIR Occupany Sensor (Energy Miser TD150)	722.06	25.25
26 09 13 00-0024	EA	Test Drive Kit And Velcro Mounted Easy-Install VendingMiser® With PIR Occupany Sensor (Energy Miser TD170)	709.43	22.72

26 09 13 00-0025 Work Station Energy Usage Controls *(26 09 13)*

26 09 13 00-0026	EA	Power Strip With Personal Sensor (Wattstopper IDP-3050-A)	190.61	12.63

26 09 23 Lighting Control Devices *(26 09)*

26 09 23 00-0001 Lighting Contactors *(26 09 23)*

Note: Up to 600 volt.

26 09 23 00-0002 Electrically Held, Lighting Contactors *(26 09 23 00-0001)*

26 09 23 00-0003 NEMA 1 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0002)*

26 09 23 00-0004 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0003)*

26 09 23 00-0005	EA	20 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	559.44	100.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.51*	
26 09 23 00-0006	EA	30 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	694.76	113.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.08*	
26 09 23 00-0007	EA	60 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	1,311.27	176.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*105.90*	
26 09 23 00-0008	EA	100 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	2,052.60	239.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*143.72*	
26 09 23 00-0009	EA	200 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	4,330.77	315.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*189.10*	

26 09 23 00-0010 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0003)*

26 09 23 00-0011	EA	20 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	631.92	113.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.08*	
26 09 23 00-0012	EA	30 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	761.26	126.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*75.64*	
26 09 23 00-0013	EA	60 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	1,416.74	201.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*121.03*	
26 09 23 00-0014	EA	100 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	2,215.08	264.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*158.85*	
26 09 23 00-0015	EA	200 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	4,646.40	346.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*208.01*	

26 09 23 00-0016 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0003)*

26 09 23 00-0017	EA	20 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	746.31	126.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*75.64*	
26 09 23 00-0018	EA	30 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	899.49	138.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*83.21*	
26 09 23 00-0019	EA	60 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	1,718.77	226.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*136.15*	
26 09 23 00-0020	EA	100 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	2,657.66	289.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*173.97*	
26 09 23 00-0021	EA	200 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	5,950.78	378.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*226.92*	

26 09 23 00-0022 NEMA 3R Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0002)*

26 09 23 00-0023 2-Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0022)*

26 09 23 00-0024	EA	30 Amperes, 2 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	925.80	113.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.08*	
26 09 23 00-0025	EA	60 Amperes, 2 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	1,884.80	176.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*105.90*	
26 09 23 00-0026	EA	100 Amperes, 2 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	2,843.80	239.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*143.72*	

26 09 23 00-0027 3-Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0022)*

26 09 23 00-0028	EA	30 Amperes, 3 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	1,332.84	126.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*75.64*	
26 09 23 00-0029	EA	60 Amperes, 3 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	2,066.03	201.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*121.03*	
26 09 23 00-0030	EA	100 Amperes, 3 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	3,133.91	264.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*158.85*	
26 09 23 00-0031	EA	200 Amperes, 3 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	7,298.40	346.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*208.01*	

26 09 23 00-0032 4-Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0022)*

26 09 23 00-0033	EA	30 Amperes, 4 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	1,255.36	138.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*83.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0034	EA	60 Amperes, 4 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	2,070.56	226.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*136.15*	
26 09 23 00-0035	EA	100 Amperes, 4 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	2,835.34	289.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*173.97*	
26 09 23 00-0036		NEMA 4 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0002)*		
26 09 23 00-0037		2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0036)*		
26 09 23 00-0038	EA	20 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	939.74	100.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.51*	
26 09 23 00-0039	EA	30 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	1,198.96	113.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.08*	
26 09 23 00-0040	EA	60 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	2,316.73	176.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*105.90*	
26 09 23 00-0041	EA	100 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	3,480.69	239.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*143.72*	
26 09 23 00-0042	EA	200 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	6,768.24	315.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*189.10*	
26 09 23 00-0043		3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0036)*		
26 09 23 00-0044	EA	20 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	972.47	113.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.08*	
26 09 23 00-0045	EA	30 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	1,265.46	126.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*75.64*	
26 09 23 00-0046	EA	60 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	2,425.14	201.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*121.03*	
26 09 23 00-0047	EA	100 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	3,642.18	264.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*158.85*	
26 09 23 00-0048	EA	200 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	7,082.88	346.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*208.01*	
26 09 23 00-0049		4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0036)*		
26 09 23 00-0050	EA	20 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	1,050.33	126.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*75.64*	
26 09 23 00-0051	EA	30 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	1,403.70	138.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*83.21*	
26 09 23 00-0052	EA	60 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	3,119.33	226.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*136.15*	
26 09 23 00-0053	EA	100 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	4,476.91	289.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*173.97*	
26 09 23 00-0054	EA	200 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	9,468.40	378.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*226.92*	
26 09 23 00-0055		NEMA 12/3R Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0002)*		
26 09 23 00-0056		2-Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0055)*		
26 09 23 00-0057	EA	60 Amperes, 2 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor	2,834.90	176.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*105.90*	
26 09 23 00-0058	EA	100 Amperes, 2 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor	4,024.64	239.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*143.72*	
26 09 23 00-0059	EA	200 Amperes, 2 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor	3,759.62	315.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*189.10*	
26 09 23 00-0060		3-Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0055)*		
26 09 23 00-0061	EA	60 Amperes, 3 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor	3,027.60	201.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*121.03*	
26 09 23 00-0062	EA	100 Amperes, 3 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor	4,278.32	264.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*158.85*	
26 09 23 00-0063		4-Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0055)*		
26 09 23 00-0064	EA	60 Amperes, 4 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor	1,544.05	226.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*136.15*	
26 09 23 00-0065	EA	100 Amperes, 4 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor	2,137.36	289.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*173.97*	
26 09 23 00-0066		Mechanically Held, Lighting Contactors *(26 09 23 00-0001)*		
26 09 23 00-0067		NEMA 1 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0066)*		
26 09 23 00-0068		2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0067)*		
26 09 23 00-0069	EA	20 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	836.61	100.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.51*	
26 09 23 00-0070	EA	30 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	952.26	113.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0071	EA	60 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	1,812.52	176.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*105.90*	
26 09 23 00-0072	EA	100 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	2,527.32	239.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*143.72*	
26 09 23 00-0073	EA	200 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	5,871.88	315.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*189.10*	
26 09 23 00-0074		**3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors** *(26 09 23 00-0067)*		
26 09 23 00-0075	EA	20 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	892.97	113.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.08*	
26 09 23 00-0076	EA	30 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	1,020.73	126.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*75.64*	
26 09 23 00-0077	EA	60 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	1,920.94	201.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*121.03*	
26 09 23 00-0078	EA	100 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	2,690.78	264.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*158.85*	
26 09 23 00-0079	EA	200 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	6,605.22	346.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*208.01*	
26 09 23 00-0080		**4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors** *(26 09 23 00-0067)*		
26 09 23 00-0081	EA	20 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	963.31	126.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*75.64*	
26 09 23 00-0082	EA	30 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	1,087.22	138.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*83.21*	
26 09 23 00-0083	EA	60 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	2,249.51	226.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*136.15*	
26 09 23 00-0084	EA	100 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	3,161.86	289.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*173.97*	
26 09 23 00-0085	EA	200 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	7,983.31	378.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*226.92*	
26 09 23 00-0086		**NEMA 4 Enclosure, Mechanically Held, Lighting Contactors** *(26 09 23 00-0066)*		
26 09 23 00-0087		**2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors** *(26 09 23 00-0086)*		
26 09 23 00-0088	EA	20 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,265.25	100.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.51*	
26 09 23 00-0089	EA	30 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,456.47	113.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.08*	
26 09 23 00-0090	EA	60 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	2,820.93	176.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*105.90*	
26 09 23 00-0091	EA	100 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	3,955.40	239.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*143.72*	
26 09 23 00-0092	EA	200 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	8,307.39	315.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*189.10*	
26 09 23 00-0093		**3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors** *(26 09 23 00-0086)*		
26 09 23 00-0094	EA	20 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,335.58	113.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.08*	
26 09 23 00-0095	EA	30 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,524.93	126.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*75.64*	
26 09 23 00-0096	EA	60 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	2,929.35	201.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*121.03*	
26 09 23 00-0097	EA	100 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	4,119.84	264.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*158.85*	
26 09 23 00-0098	EA	200 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	9,042.69	346.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*208.01*	
26 09 23 00-0099		**4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors** *(26 09 23 00-0086)*		
26 09 23 00-0100	EA	20 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,411.29	126.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*75.64*	
26 09 23 00-0101	EA	30 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,591.42	138.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*83.21*	
26 09 23 00-0102	EA	60 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	3,650.07	226.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*136.15*	
26 09 23 00-0103	EA	100 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	4,981.12	289.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*173.97*	
26 09 23 00-0104	EA	200 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	11,429.19	378.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*226.92*	
26 09 23 00-0105		**NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactors** *(26 09 23 00-0066)*		
26 09 23 00-0106		**2-Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactors** *(26 09 23 00-0105)*		
26 09 23 00-0107	EA	30 Amperes, 2 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor	782.67	113.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.08*	

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26 09 23 00-0108	EA	60 Amperes, 2 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor	1,449.85	201.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*105.90*	
26 09 23 00-0109	EA	100 Amperes, 2 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor	1,975.66	239.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*143.72*	
26 09 23 00-0110	EA	200 Amperes, 2 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor	4,625.93	315.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*189.10*	
26 09 23 00-0111		**3-Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactors** *(26 09 23 00-0105)*		
26 09 23 00-0112	EA	30 Amperes, 3 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor	832.87	126.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*75.64*	
26 09 23 00-0113		**4-Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactors** *(26 09 23 00-0105)*		
26 09 23 00-0114	EA	200 Amperes, 4 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor	6,245.56	378.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*226.92*	
26 09 23 00-0115		**Combination Lighting Contactors** *(26 09 23)*		
		Note: Up to 600 volt.		
26 09 23 00-0116		**Electrically Held, Combination Lighting Contactors** *(26 09 23 00-0115)*		
26 09 23 00-0117		**NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors** *(26 09 23 00-0116)*		
26 09 23 00-0118		**3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors** *(26 09 23 00-0117)*		
26 09 23 00-0119	EA	30 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	1,626.31	138.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*83.21*	
26 09 23 00-0120	EA	60 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	2,549.02	221.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*133.13*	
26 09 23 00-0121	EA	100 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	4,129.54	291.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*174.73*	
26 09 23 00-0122	EA	200 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	7,569.44	381.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*228.81*	
26 09 23 00-0123		**NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors** *(26 09 23 00-0116)*		
26 09 23 00-0124		**3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors** *(26 09 23 00-0123)*		
26 09 23 00-0125	EA	30 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	2,969.38	138.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*83.21*	
26 09 23 00-0126	EA	60 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	4,618.90	221.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*133.13*	
26 09 23 00-0127	EA	100 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	7,741.52	291.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*174.73*	
26 09 23 00-0128	EA	200 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	12,189.83	381.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*228.81*	
26 09 23 00-0129		**Mechanically Held, Combination Lighting Contactors** *(26 09 23 00-0115)*		
26 09 23 00-0130		**NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors** *(26 09 23 00-0129)*		
26 09 23 00-0131		**3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors** *(26 09 23 00-0130)*		
26 09 23 00-0132	EA	30 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	1,779.64	138.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*83.21*	
26 09 23 00-0133	EA	60 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	3,079.76	221.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*133.13*	
26 09 23 00-0134	EA	100 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	4,632.27	291.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*174.73*	
26 09 23 00-0135	EA	200 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	8,998.02	381.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*228.81*	
26 09 23 00-0136		**NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors** *(26 09 23 00-0129)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0137		3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors *(26 09 23 00-0136)*		
26 09 23 00-0138	EA	30 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	3,124.18	138.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*83.21*	
26 09 23 00-0139	EA	60 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	5,152.59	221.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*133.13*	
26 09 23 00-0140	EA	100 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	8,245.72	291.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*174.73*	
26 09 23 00-0141	EA	200 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	13,618.40	381.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*228.81*	
26 09 23 00-0142		Photo-Cell, Relay, Lighting Arrester, Receptacle And Bracket *(26 09 23)*		
26 09 23 00-0143	EA	105 To 130 Volt Relay, Photo-Cell, Lighting Arrester, Receptacle And Bracket	146.68	32.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.70*	
26 09 23 00-0144	EA	105 To 285 Volt Relay, Photo-Cell, Lighting Arrester, Receptacle And Bracket	160.11	32.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.70*	
26 09 23 00-0145		Dimming Module System (Lutron Grafik Eye) *(26 09 23)*		
26 09 23 00-0146	EA	2,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-2)	1,802.35	126.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*75.64*	
26 09 23 00-0147	EA	4,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-4)	2,328.85	126.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*75.64*	
26 09 23 00-0148	EA	6,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-6)	2,864.74	126.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*75.64*	
26 09 23 00-0149		Dimming Module Contol (Leviton) *(26 09 23)*		
26 09 23 00-0150	EA	5 Amperes, Wireless Dimming Module (Leviton WSD05-9D0)	233.20	15.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.47*	
26 09 23 00-0151		Light Control Panels *(26 09 23)*		
26 09 23 00-0152		Lighting Control Panels (Watt Stopper) *(26 09 23 00-0151)*		
26 09 23 00-0153		Lighting Control Panels (Watt Stopper) *(26 09 23 00-0152)*		
26 09 23 00-0154	EA	4 Relays, Surface Mount, Lighting Control Panel (Watt Stopper LP8S-4)	2,111.49	176.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*106.06*	
26 09 23 00-0155	EA	8 Relays, Surface Mount, Lighting Control Panel (Watt Stopper LP8S-8)	1,976.83	189.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*113.64*	
26 09 23 00-0156	EA	8 Relays, Surface Mount, Lighting Control Panel With Group Switching Card (Watt Stopper LP8S-8-G)	2,226.65	189.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*113.64*	
26 09 23 00-0157	EA	8 Relays, Surface Mount, Lighting Control Panel With DIN Rail (Watt Stopper LP24S-8)	3,344.62	189.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*113.64*	
26 09 23 00-0158	EA	8 Relays, Surface Mount, Lighting Control Panel With Group Switching Card And DIN Rail (Watt Stopper LP24S-8-G)	3,637.91	189.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*113.64*	
26 09 23 00-0159	EA	4 Relays, Flush Mount, Lighting Control Panel (Watt Stopper LP8F-4)	2,351.75	176.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*106.06*	
26 09 23 00-0160	EA	8 Relays, Flush Mount, Lighting Control Panel (Watt Stopper LP8F-8)	2,523.52	189.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*113.64*	
26 09 23 00-0161	EA	8 Relays, Flush Mount, Lighting Control Panel With Group Switching Card (Watt Stopper LP8F-8-G)	2,816.52	189.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*113.64*	
26 09 23 00-0162	EA	8 Relays, Flush Mount, Lighting Control Panel With DIN Rail (Watt Stopper LP24F-8)	3,461.83	189.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*113.64*	
26 09 23 00-0163	EA	8 Relays, Flush Mount, Lighting Control Panel With Group Switching Card And DIN Rail (Watt Stopper LP24F-8-G)	3,755.11	189.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*113.64*	
26 09 23 00-0164		Accessories For Lighting Control Panels (Watt Stopper) *(26 09 23 00-0152)*		
26 09 23 00-0165	EA	Low Voltage Photocell For Watt Stopper Lighting Control Panels (Watt Stopper EM-24A2)	202.41	31.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.94*	
26 09 23 00-0166	EA	Automatic Control Switch For Watt Stopper Lighting Control Panels (Watt Stopper AS-100-W)	155.64	25.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.15*	
26 09 23 00-0167	EA	Low Voltage Momentary Switch For Watt Stopper Lighting Control Panels (Watt Stopper DCC2)	80.27	25.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.15*	
26 09 23 00-0168		Lighting Control Panels (Synergy) *(26 09 23 00-0151)*		
26 09 23 00-0169		Lighting Control Panels (Synergy) *(26 09 23 00-0168)*		
26 09 23 00-0170	EA	8 Relays, Surface Mount, Lighting Control Panel (Synergy SwitchPak SPAK 8S)	2,860.24	189.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*113.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0171		**Accessories For Lighting Control Panels (Synergy)** *(26 09 23 00-0168)*		
26 09 23 00-0172	EA	Outdoor Photocell For Synergy SwitchPak Lighting Control Panels (Synergy LSA-APS-OL)	701.59	31.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.94*	
26 09 23 00-0173	EA	Sweepswitch, Line Voltage Override Switch For Synergy SwitchPak Lighting Control Panels (Synergy SSPL-20)	271.74	12.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.58*	
26 09 23 00-0174	EA	Override Switch For Synergy SwitchPak Lighting Control Panels (Synergy LVPS-2BT)	153.88	18.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.36*	
26 09 23 00-0175		**Lighting Switching Panels (Lutron)** *(26 09 23 00-0151)*		
26 09 23 00-0176		**Lighting Switching Panels (Lutron)** *(26 09 23 00-0175)*		
26 09 23 00-0177	EA	8 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS8-FT)	2,327.38	189.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*113.64*	
26 09 23 00-0178	EA	12 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS12-FT)	3,191.22	202.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*121.22*	
26 09 23 00-0179	EA	16 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS16-FT)	4,179.05	214.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*128.79*	
26 09 23 00-0180		**Wireless (ZigBee) LED Lighting Control Panels (PlanLED GigaTera)** *(26 09 23 00-0151)*		
26 09 23 00-0181	EA	6 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC6Z)	1,556.36	176.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*106.06*	
26 09 23 00-0182	EA	12 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC12Z)	1,775.05	176.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*106.06*	
26 09 23 00-0183	EA	18 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC18Z)	1,993.74	176.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*106.06*	
26 09 23 00-0184		**Power Filters** *(26 09 23 00-0151)*		
26 09 23 00-0185	EA	600 Amperes, 480/277 Volt, 4 Conductor Power Filter With 80" X 60" X 17" Enclosure	42,304.43	1,050.52
26 09 23 00-0186	EA	200 Amperes, 480/277 Volt, 4 Conductor Power Filter With 25" X 40" X 17" Enclosure	25,035.51	456.74
26 09 23 00-0187		**Signal Filters** *(26 09 23 00-0151)*		
26 09 23 00-0188	EA	0.5 Amperes, 125 Volt, 500 Conductor Signal Filter With 19" X 36-3/4" X 19-1/8 Case	19,331.54	955.09
26 09 23 00-0189	EA	0.5 Amperes, 125 Volt, 200 Conductor Signal Filter With 29" X 40" X 11" Case	13,228.28	583.69
26 09 23 00-0190	EA	0.5 Amperes, 125 Volt, 3 Pair Conductor Signal Filter With 12" X 12" X 4" Case	7,378.33	338.87
26 09 23 00-0191	EA	5 Amperes, 24 Volt DC, 5 Volt, 2 - 1 Pair Conductor Signal Filter With Case	10,058.55	338.87
26 09 23 00-0192		**Lighting Control Devices (Encelium)** *(26 09 23)*		
26 09 23 00-0193	EA	8 Port, G4, Wired Energy Control Unit, GreenBus II™ (120 Volt) With Polaris 3D™ (Encelium EN-ECU-G4-P3D) Note: Excludes GB II cable.	16,558.83	126.27
26 09 23 00-0194	EA	Server, System Support Unit (SSU) (Encelium EN-SSU-1U) Note: Excludes GB II and Ethernet cable.	7,567.64	126.27
26 09 23 00-0195	EA	Server, System Support Unit (SSU), VIRTUAL (Encelium EN-SW-SSUVIRT) Note: Excludes GB II and Ethernet cable.	3,936.52	126.27
26 09 23 00-0196	EA	Server, System Support Unit (SSU) With BACnet (Encelium EN-SSU-BIF-KIT) Note: Excludes GB II and Ethernet cable.	16,656.25	126.27
26 09 23 00-0197	EA	Isolated, Wired Luminaire Control Module (Encelium EN-iLCM-1R10V-GB2-BK) Note: Excludes GB II cable.	130.48	15.78
26 09 23 00-0198	EA	Damp Rated, Isolated, Wired Luminaire Control Module (Encelium EN-iLCM-1R10V-GB2-BK/DR) Note: Excludes GB II cable.	202.42	15.78
26 09 23 00-0199	EA	Wired Area Lighting Controller, Heavy-Duty Relay With 0-10V Dimming (Encelium EN-ALC-1R10V-GB2-BK) Note: Excludes GB II cable.	254.31	31.57
26 09 23 00-0200	EA	Damp Rated, Wired Area Lighting Controller, Heavy-Duty Relay With 0-10V Dimming (Encelium EN-ALC-1R10V-GB2-BK-DR) Note: Excludes GB II cable.	307.19	31.57
26 09 23 00-0201	EA	Wired Sensor Interface Module (Encelium EN-SIM-AI/SPS-GB2-BK) Note: Excludes GB II cable.	162.04	31.57
26 09 23 00-0202	EA	Damp Rated, Wired Sensor Interface Module (Encelium EN-SIM-AI/SPS-GB2-BK/DR) Note: Excludes GB II cable.	233.98	31.57
26 09 23 00-0203	EA	16 Port, Rack Mounted, Wired Ethernet Switch (Encelium ETH-700) Note: Excludes cable.	589.98	63.13
26 09 23 00-0204	EA	Rack Mounted, Wired Power Bar (Encelium PWR-700)	442.19	63.13
26 09 23 00-0205	EA	Rack Mounted, Wired Power Bar With Surge Protection (Encelium PWR-800)	813.72	63.13
26 09 23 00-0206	EA	Wall Mounted, 4U Mounting Rack (Encelium RCK-700)	275.17	63.13
26 09 23 00-0207	EA	4 Port, 10/100 VPN, Dual WAN, Wired Router (Encelium RV042) Note: Excludes cable.	912.69	63.13
26 09 23 00-0208	EA	Wired BACnet Interface (Encelium BIF-600) Note: Excludes cable.	9,593.67	252.53
26 09 23 00-0209	EA	Wired AV Interface (Encelium EN-SW-AVINT) Note: Excludes cable.	7,109.17	63.13
26 09 23 00-0210	EA	Two Button, GB2, Wired Wall Station (Encelium EN-WS-2B-GB2-WH) Note: Includes white finish. Excludes GB II cable.	265.47	15.78
26 09 23 00-0211	EA	3 Scene, GB2, Wired Wall Station (Encelium EN-WS-SC3-GB2-WH) Note: Includes white finish. Excludes GB II cable.	323.91	15.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0212	EA	3 Zone, GB2, Wired Wall Station (Encelium EN-WS-ZC3-GB2-WH) Note: Includes white finish. Excludes GB II cable.	309.81	15.78
26 09 23 00-0213	EA	5 Scene, GB2, Wired Wall Station (Encelium EN-WS-SC5-GB2-WH) Note: Includes white finish. Excludes GB II cable.	323.91	15.78
26 09 23 00-0214	EA	6 Zone, GB2, Wired Wall Station (Encelium EN-WS-ZC6-GB2-WH) Note: Includes white finish. Excludes GB II cable.	309.81	15.78
26 09 23 00-0215	EA	Rocker Switch, GB2, Wired Wall Station (Encelium EN-WS-R-GB2-WT) Note: Includes white finish. Excludes GB II cable.	233.87	15.78
26 09 23 00-0216	EA	Scene Controller, GB2, Wired Wall Station (Encelium EN-WS-SC3D-GB2-WT) Note: Includes white finish. Excludes GB II cable.	323.91	15.78
26 09 23 00-0217	EA	3 Zone Controller, GB2, Wired Wall Station (Encelium EN-WS-ZC3-GB2-WT) Note: Includes white finish. Excludes GB II cable.	309.81	15.78
26 09 23 00-0218	EA	Wired Key Switch Controller (Encelium KSW-300) Note: Excludes GB II cable.	228.19	15.78
26 09 23 00-0219	EA	Wall Station Surface Mount Kit (Encelium EN-SMK-ZB-WH) Note: Includes white finish.	96.66	15.78
26 09 23 00-0220	EA	1/2' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-0.5FT-GB2)	77.92	31.57
26 09 23 00-0221	EA	1' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-01FT-GB2)	78.54	31.57
26 09 23 00-0222	EA	5' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-05FT-GB2)	83.52	31.57
26 09 23 00-0223	EA	10' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-10FT-GB2)	88.44	31.57
26 09 23 00-0224	EA	15' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-15FT-GB2)	94.31	31.57
26 09 23 00-0225	EA	20' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-20FT-GB2)	99.60	31.57
26 09 23 00-0226	EA	25' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-25FT-GB2)	106.10	31.57
26 09 23 00-0227	EA	50' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-50FT-GB2)	135.49	31.57
26 09 23 00-0228	EA	1,000' Box, GreenBus II™ Cable (Encelium EN-BC-1000FT-GB2)	878.34	31.57
26 09 23 00-0229	EA	Box Of 50, Greenbus II™ Connectors (Encelium EN-CON-50-GB2)	212.28	31.57
26 09 23 00-0230	EA	1,000' Box, Category 5, Network Cable (Encelium NWC-400-B)	1,134.29	31.57
26 09 23 00-0231	EA	Indoor Wired Photo Sensor (Encelium PHS-700) Note: Excludes GB II cable.	661.86	63.13
26 09 23 00-0232	EA	Outdoor Wired Photo Sensor (Encelium PHS-800) Note: Excludes GB II cable.	661.86	63.13
26 09 23 00-0233	EA	Skylight Wired Photo Sensor (Encelium PHS-900) Note: Excludes GB II cable.	661.86	63.13
26 09 23 00-0234	EA	450 SF, 360 Degree, Passive Infrared, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCP-0450) Note: Excludes GB II cable.	343.38	63.13
26 09 23 00-0235	EA	1,500 SF, 360 Degree, Passive Infrared, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCP-1500) Note: Excludes GB II cable.	332.70	63.13
26 09 23 00-0236	EA	2,500 SF, Wide View, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-WV00) Note: Excludes GB II cable.	339.82	63.13
26 09 23 00-0237	EA	High-Bay, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-HBAY) Note: Excludes GB II cable.	375.41	63.13
26 09 23 00-0238	EA	Long-Range, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-LRNG) Note: Excludes GB II cable.	339.82	63.13
26 09 23 00-0239	EA	120-277 Volt AC, No Neutral, Passive Infrared, Wall Switch Mounted, Wired Occupancy Sensor (Encelium SSP-LNV) Note: Excludes GB II cable.	268.65	63.13
26 09 23 00-0240	EA	High Bay, Passive Infrared, Fixture Mounted, Wired Occupancy Sensor (Encelium WSPEM24V) Note: Excludes GB II cable.	284.92	63.13
26 09 23 00-0241	EA	High Bay, Passive Infrared, Surface Mounted, Wired Occupancy Sensor (Encelium WSPSM24V) Note: Excludes GB II cable.	284.92	63.13
26 09 23 00-0242	EA	360 Degree Lens, Wired Occupancy Sensor (Encelium WSPLENS360) Note: Excludes GB II cable.	149.33	63.13
26 09 23 00-0243	EA	Passive Infrared, Wall Switch Mounted, Wired Occupancy Sensor (Encelium PW-100-24) Note: Excludes GB II cable.	348.63	63.13
26 09 23 00-0244	EA	Hallway, Wired Occupancy Sensor (Encelium HW-13) Note: Excludes GB II cable.	493.72	63.13
26 09 23 00-0245	EA	500 SF, 180 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-0500) Note: Excludes GB II cable.	432.36	63.13
26 09 23 00-0246	EA	1,000 SF, 360 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-1000) Note: Excludes GB II cable.	460.83	63.13
26 09 23 00-0247	EA	2,000 SF, 360 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-2000) Note: Excludes GB II cable.	475.08	63.13
26 09 23 00-0248	EA	1,200 SF, (Multi) Passive Infrared And Ultrasonic, Wall Mounted, Wired Occupancy Sensor (Encelium SWM-1200) Note: Excludes GB II cable.	428.80	63.13
26 09 23 00-0249	EA	120-277 Volt AC, No Neutral, Passive Infrared And Ultrasonic, Wall Switch Mounted, Wired Occupancy Sensor (Encelium SSM-LNV) Note: Excludes GB II cable.	357.63	63.13
26 09 23 00-0250	EA	500 SF, 180 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC05-M0W) Note: Excludes GB II cable.	447.67	63.13
26 09 23 00-0251	EA	1,200 SF, 360 Degree, Dual Technology, Wall Mounted, Wired Occupancy Sensor (Encelium OSW12-M0W) Note: Excludes GB II cable.	443.94	63.13
26 09 23 00-0252	EA	2,000 SF, 360 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC20-M0W) Note: Excludes GB II cable.	492.51	63.13
26 09 23 00-0253	EA	1,000 SF, 360 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC10-M0W) Note: Excludes GB II cable.	477.58	63.13
26 09 23 00-0254	EA	Dual Technology, Wall Switch Mounted, Wired Occupancy Sensor (Encelium DW-100-24) Note: Excludes GB II cable.	514.07	63.13
26 09 23 00-0255	EA	Dual Technology, Wall Switch Mounted, Wired Occupancy Sensor (Encelium WSD-PDT-LV) Note: Excludes GB II cable.	477.72	63.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0256	EA	Wide View, Dual Technology, Wired Occupancy Sensor (Encelium WV-PDT) Note: Excludes GB II cable.	477.72	63.13
26 09 23 00-0257	EA	10 Amperes, 120 Volt, Single Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESRU1C)	313.70	63.13
26 09 23 00-0258	EA	10A, 277V, Single Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESRH1C)	336.07	63.13
26 09 23 00-0259	EA	20 Amperes, 120 Volt, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR01P)	589.48	63.13
26 09 23 00-0260	EA	20A, 277V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR02P)	630.56	63.13
26 09 23 00-0261	EA	10 Amperes, 120 Volt, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR2401D)	464.85	63.13
26 09 23 00-0262	EA	10A, 277V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR2402D)	484.70	63.13
26 09 23 00-0263	EA	24 Circuit, Relay Module (Encelium EN-RPM-24C-GB2) Note: Excludes GB II cable and enclosure.	1,391.49	126.27
26 09 23 00-0264	EA	24 Circuit, 120/277V, Relay Panel With Relay Module (Encelium EN-RP-24C-GB2-120/277V) Note: Excludes GB II cable.	4,345.65	505.06
26 09 23 00-0265	EA	12 Relays, 24 Circuit, 120-347V, Emergency Relay Panel (Encelium EN-RPA12R120-347V) Note: Excludes GB II cable.	6,346.97	505.06
26 09 23 00-0266	EA	24 Relays, 24 Circuit, 120-347V, Emergency Relay Panel (Encelium EN-RPA24R120-347V) Note: Excludes GB II cable.	8,348.27	505.06
26 09 23 00-0267	EA	Wired Phase Cut Dimming Module (Encelium EN-PCDM-GB2) Note: Excludes GB II cable.	695.75	63.13
26 09 23 00-0268	EA	Wired DALI Bridge (Encelium EN-DB-1L-GB2) Note: Excludes GB II cable.	797.45	63.13
26 09 23 00-0269	EA	Wireless Manager (Encelium EN-WM-ZB-P3D) Note: Includes white finish.	2,160.12	63.13
26 09 23 00-0270	EA	Wireless Control Module (Encelium EN-WCM-ZB)	293.63	31.57
26 09 23 00-0271	EA	Damp Rated, Wireless Control Module (Encelium EN-WCM-ZB-DR)	347.87	31.57
26 09 23 00-0272	EA	Wireless Area Lighting Controller (Encelium EN-ALC-ZB-BK)	349.22	31.57
26 09 23 00-0273	EA	Damp Rated, Wireless Area Lighting Controller (Encelium EN-ALC-ZB-BK-DR)	362.01	31.57
26 09 23 00-0274	EA	2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH) Note: Includes white finish.	262.07	15.78
26 09 23 00-0275	EA	3 Scene Control, Wireless Wall Station (Encelium EN-WS-SC3-ZB-WH) Note: Includes white finish.	262.07	15.78
26 09 23 00-0276	EA	3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH) Note: Includes white finish.	262.07	15.78
26 09 23 00-0277	EA	5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH) Note: Includes white finish.	262.07	15.78
26 09 23 00-0278	EA	6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH) Note: Includes white finish.	262.07	15.78
26 09 23 00-0279	EA	Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW)	270.88	15.78
26 09 23 00-0280	EA	315 MHz, Wireless Photocell (Encelium TAP-17C)	573.72	63.13
26 09 23 00-0281	EA	450 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB)	356.77	63.13
26 09 23 00-0282	EA	1,500 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB)	356.77	63.13
26 09 23 00-0283	EA	1,500 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB-DR)	411.01	63.13
26 09 23 00-0284	EA	450 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB-DR)	411.01	63.13
26 09 23 00-0285	EA	2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH) Note: Includes white finish.	262.07	15.78
26 09 23 00-0286	EA	3 Scene Control, Wireless Wall Station (Encelium EN-WS-SC3-ZB-WH) Note: Includes white finish.	262.07	15.78
26 09 23 00-0287	EA	3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH) Note: Includes white finish.	262.07	15.78
26 09 23 00-0288	EA	5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH) Note: Includes white finish.	262.07	15.78
26 09 23 00-0289	EA	6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH) Note: Includes white finish.	262.07	15.78
26 09 23 00-0290	EA	Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW) Note: Includes white finish.	270.88	15.78
26 09 23 00-0291	EA	315 MHz, Wireless Photocell (Encelium TAP-17C)	573.72	63.13
26 09 23 00-0292	EA	3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH)	262.07	15.78
26 09 23 00-0293	EA	5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH)	262.07	15.78
26 09 23 00-0294	EA	6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH)	262.07	15.78
26 09 23 00-0295	EA	Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW)	270.88	15.78
26 09 23 00-0296	EA	315 MHz, Wireless Photocell (Encelium TAP-17C)	573.72	63.13
26 09 23 00-0297	EA	450 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB)	356.77	63.13
26 09 23 00-0298	EA	1,500 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB)	356.77	63.13
26 09 23 00-0299	EA	1,500 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB-DR)	411.01	63.13
26 09 23 00-0300	EA	450 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB-DR)	411.01	63.13
26 09 23 00-0301	EA	2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH) Note: Includes white finish.	262.07	15.78
26 09 23 00-0302	EA	3 Scene Control, Wireless, Wall Station (Encelium EN-WS-SC3-ZB-WH) Note: Includes white finish.	262.07	15.78
26 09 23 00-0303	EA	3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH) Note: Includes white finish.	262.07	15.78
26 09 23 00-0304	EA	5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH) Note: Includes white finish.	262.07	15.78
26 09 23 00-0305	EA	6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH) Note: Includes white finish.	262.07	15.78
26 09 23 00-0306	EA	Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW)	270.88	15.78
26 09 23 00-0307	EA	315 MHz, Wireless Photocell (Encelium TAP-17C)	573.72	63.13
26 09 23 00-0308	EA	Ceiling Mounted, Wireless Mounting Kit (Encelium EN-SCPPH-MK-ZB)	157.45	63.13
26 09 23 00-0309	EA	Wireless Ethernet Transceiver Unit (cns-enocean Connectivity Kit)	752.14	63.13
26 09 23 00-0310		**Lighting Control Sensors** *(26 09 23)*		
26 09 23 00-0311	EA	DALIMulti Sensor, 600 SF (Fifthlight FLT-MTS6-DALI)	401.21	28.40
26 09 23 00-0312	EA	DALIMulti Sensor, 1,200 SF (Fifthlight FLT-MTS12-DALI)	401.21	28.40

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0313	EA	Smart Multi-sensor (LG 9SD131VVDA.ALWB000)	351.22	28.40
26 09 23 00-0314	EA	Zigbee Dongle (LG 9CM2315VD2.AWP01U)	105.59	18.94
26 09 23 00-0315	EA	Clip for Performance Troffer (LG BKTTR015122.BUAAWAA)	8.40	
26 09 23 00-0316	EA	Clip for Downlight (BKTCE015123.BUAAWAA)	68.86	
26 09 23 00-0317	EA	Clip for Tube (LG BKTTU015121.BUAAWAA)	12.04	
26 09 23 00-0318		Radio Controlled Devices (Lutron) *(26 09 23)*		
26 09 23 00-0319		Tabletop Transmitters For Radio Controlled Devices *(26 09 23 00-0318)*		
26 09 23 00-0320		Switched Lighting Controls, Tabletop Wireless Transmitter *(26 09 23 00-0319)*		
26 09 23 00-0321	EA	One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-SW-B-WH)	530.34	18.94
26 09 23 00-0322	EA	Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2SW-B-WH)	689.95	18.94
26 09 23 00-0323	EA	Three Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3SW-B-WH)	869.51	18.94
26 09 23 00-0324		Dimmable Lighting Controls, Tabletop Wireless Transmitter *(26 09 23 00-0319)*		
26 09 23 00-0325	EA	One Zone Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-B-WH)	530.34	18.94
26 09 23 00-0326	EA	Two Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-B-WH)	630.10	18.94
26 09 23 00-0327	EA	Three Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-B-WH)	869.51	18.94
26 09 23 00-0328	EA	One Zone Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-WH)	530.34	18.94
26 09 23 00-0329	EA	Two Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-WH)	689.95	18.94
26 09 23 00-0330	EA	Three Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-WH)	869.51	18.94
26 09 23 00-0331		Dimmable And Switched Lighting Controls, Tabletop Wireless Transmitter *(26 09 23 00-0319)*		
26 09 23 00-0332	EA	One Zone Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LSW-B-WH)	689.95	18.94
26 09 23 00-0333	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LSW-B-WH)	869.51	18.94
26 09 23 00-0334	EA	One Zone Of Dimmable Lighting Controls And Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2SW-B-WH)	869.51	18.94
26 09 23 00-0335		Dimmable Lighting Controls And Shade Or Projection Controls, Tabletop Wireless Transmitter *(26 09 23 00-0319)*		
26 09 23 00-0336	EA	One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-C3-B-WH)	530.34	18.94
26 09 23 00-0337	EA	Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2C3-B-WH)	689.95	18.94
26 09 23 00-0338	EA	One Zone Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC2-B-WH)	630.10	18.94
26 09 23 00-0339	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC2-B-WH)	769.76	18.94
26 09 23 00-0340	EA	One Zone Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC3-B-WH)	689.95	18.94
26 09 23 00-0341	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC3-B-WH)	829.61	18.94
26 09 23 00-0342	EA	One Zone Of Dimmable Lighting Controls And Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2C3-B-WH)	689.95	18.94
26 09 23 00-0343		Dimmable Lighting Controls And Sivoia QED Shade Controls, Tabletop Wireless Transmitter *(26 09 23 00-0319)*		
26 09 23 00-0344	EA	One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-Q-B-WH)	530.34	18.94
26 09 23 00-0345	EA	Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2Q-B-WH)	689.95	18.94
26 09 23 00-0346	EA	One Zone Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQ-B-WH)	689.95	18.94
26 09 23 00-0347	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LQ-B-WH)	869.51	18.94
26 09 23 00-0348	EA	One Zone Of Dimmable Lighting Controls And Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2Q-B-WH)	689.95	18.94
26 09 23 00-0349	EA	One Zone Of Dimmable Lighting Controls, One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, One Zone Of Output Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQC2-B-WH)	869.51	18.94
26 09 23 00-0350		Output Switch Closure Controls, Tabletop Wireless Transmitter *(26 09 23 00-0319)*		
26 09 23 00-0351	EA	Five Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5-WH)	530.34	18.94
26 09 23 00-0352	EA	Nine Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5C4-WH)	689.95	18.94
26 09 23 00-0353	EA	Thirteen Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C52C4-WH)	869.51	18.94

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0354		**Accessories For Tabletop Wireless Transmitter** *(26 09 23 00-0319)*		
26 09 23 00-0355	EA	Security Mounting Brackets For Tabletop Wireless Transmitters (Lutron RTA-SEC-WH)	111.37	18.94
26 09 23 00-0356		**Wall Box Transmitters For Radio Controlled Devices** *(26 09 23 00-0318)*		
26 09 23 00-0357	EA	On/Off Switched Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2BSW-WH)	490.44	18.94
26 09 23 00-0358	EA	Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2B-WH)	530.34	18.94
26 09 23 00-0359	EA	Four Preset Lighting Level And Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-5B-WH)	530.34	18.94
26 09 23 00-0360	EA	Open/Stop/Close Motorized Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C3LB-WH)	530.34	18.94
26 09 23 00-0361	EA	Up/Down Projection Screen Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C2LB-WH)	530.34	18.94
26 09 23 00-0362	EA	Open/Stop/Close Sivoia QED Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-Q3LB-WH)	530.34	18.94
26 09 23 00-0363		**Interfaces For Radio Controlled Devices** *(26 09 23 00-0318)*		
26 09 23 00-0364	EA	Incandescent And Magnetic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-INC-2000)	490.44	18.94
26 09 23 00-0365	EA	Lutron Tu-Wire Ballast Interface For Radio Controlled Devices (Lutron FDI-INC-2000)	490.44	18.94
26 09 23 00-0366	EA	Electronic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-ELV-1000)	490.44	18.94
26 09 23 00-0367	EA	Sivoia QED Controllable Window Treatments Contact Closure Interface For Radio Controlled Devices (Lutron SVQ-CCI-8)	997.20	18.94
26 09 23 00-0368	EA	RS-232 Interface For Radio Controlled Devices (Lutron RTA-RS232)	1,428.14	18.94
26 09 23 00-0369	EA	Switch Closure Input Interface For Radio Controlled (Lutron RTA-SCI)	1,428.14	18.94
26 09 23 00-0370		**Fluorescent Controllers For Radio Controlled Devices** *(26 09 23 00-0318)*		
26 09 23 00-0371	EA	On/Off Switched Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-SW)	630.10	18.94
26 09 23 00-0372	EA	Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F)	709.90	18.94
26 09 23 00-0373	EA	Switch Closures And Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F-SC)	829.61	18.94
26 09 23 00-0374		**AC Motor Group Controllers For Radio Controlled Devices** *(26 09 23 00-0318)*		
26 09 23 00-0375	EA	Up To Two Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-2M-GC)	929.36	18.94
26 09 23 00-0376	EA	Up To Four Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-4M-GC)	1,278.51	18.94
26 09 23 00-0377		**Wireless Enabled Communication Devices For Streetlights** *(26 09 23)* Note: Includes testing of new devices and certification.		
26 09 23 00-0378		**Wireless Enabled Communication Nodes For Streetlights (Roam®)** *(26 09 23 00-0377)*		
26 09 23 00-0379	EA	120/244/277 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN127 NM1)	356.06	
26 09 23 00-0380	EA	480 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN480 NM1)	498.75	
26 09 23 00-0381		**Wireless Enabled Communication Devices For Streetlights (Roam®)** *(26 09 23 00-0377)*		
26 09 23 00-0382	EA	Retrofit Receptacle Kit (Roam® DUR103) Note: For adapting light fixtures for use with a NEMA locking type photocontrol.	59.98	
26 09 23 00-0383	EA	Wireless Enabled Backbone And Data Backhaul Device, Gateway (Roam® REG127)	14,409.42	69.97
26 09 23 00-0384		**RF Wireless Technology, Switches And Dimmers (Lutron® Maestro Wireless®)** *(26 09 23)*		
26 09 23 00-0385		**RF Wireless Technology, Switches (Lutron® Maestro Wireless®)** *(26 09 23 00-0384)*		
26 09 23 00-0386	EA	6 Amperes Lighting, 3 Amperes Fan, RF Wireless Technology, Electronic Switch (Lutron® Maestro Wireless® MRF2-6ANS)	142.34	25.25
26 09 23 00-0387	EA	8 Amperes Lighting, 5.8 Amperes Fan, RF Wireless Technology, Spec Grade Electronic Switch (Lutron® Maestro Wireless® MRF2-8ANS-120)	167.74	25.25
26 09 23 00-0388	EA	8 Amperes Lighting, 3 Amperes Fan, RF Wireless Technology, Spec Grade Electronic Switch (Lutron® Maestro Wireless® MRF2-8S-DV)	262.41	25.25
26 09 23 00-0389	EA	120 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MA-AS)	99.96	25.25
26 09 23 00-0390	EA	277 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MA-AS-277)	122.15	25.25
26 09 23 00-0391	EA	120 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MSC-AS)	109.28	25.25
26 09 23 00-0392	EA	277 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MSC-AS-277)	131.92	25.25
26 09 23 00-0393		**RF Wireless Technology, Dimmers (Lutron® Maestro Wireless®)** *(26 09 23 00-0384)*		
26 09 23 00-0394	EA	600 Watt, 120 Volt, RF Wireless Technology, Incandescent Dimmer (Lutron® Maestro Wireless® MRF2-600M)	136.48	25.25
26 09 23 00-0395	EA	600 Watt, 120 Volt, RF Wireless Technology, Magnetic Low Voltage Dimmer (Lutron® Maestro Wireless® MRF2-6MLV)	148.20	25.25
26 09 23 00-0396	EA	600 Watt, 120 Volt, RF Wireless Technology, Spec Grade Neutral Wire Dimmer (Lutron® Maestro Wireless® MRF2-6ND-120)	177.51	25.25
26 09 23 00-0397	EA	1,000 Watt, 120 Volt, RF Wireless Technology, Spec Grade Dimmer (Lutron® Maestro Wireless® MRF2-10D-120)	190.13	31.57
26 09 23 00-0398	EA	600 Watt, 120 Volt, RF Wireless Technology, Electronic Low-Voltage Dimmer (Lutron® Maestro Wireless® MRF2-6ELV-120)	235.14	25.25

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0399	EA	120 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MA-R)	77.37	25.25
26 09 23 00-0400	EA	277 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MA-R-277)	93.49	25.25
26 09 23 00-0401	EA	120 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MSC-AD)	83.25	25.25
26 09 23 00-0402	EA	277 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MSC-AD-277)	99.35	25.25
26 09 23 00-0403	EA	6 Amperes, 120/277 Volt, RF Wireless Technology, 3-Wire Fluorescent Spec Grade Neutral Wire Dimmer (Lutron® Maestro Wireless® MRF2-F6AN-DV)	264.23	44.19

26 09 23 00-0404 Removal And Reinstallation Of Occupancy Sensors *(26 09 23)*

26 09 23 00-0405	EA	Removal And Reinstallation Of Ceiling Mounted Occupancy Sensor Note: Includes storing and cleaning.	85.22	
26 09 23 00-0406	EA	Removal And Reinstallation Of Wall Mounted Occupancy Sensor Note: Includes storing and cleaning.	56.82	

26 09 23 00-0407 Occupancy Sensors (Watt Stopper) *(26 09 23)*

Note: Includes testing of new devices and certification.

26 09 23 00-0408 Occupancy Sensors *(26 09 23 00-0407)*

Note: Exclude boxes.

26 09 23 00-0409 Wall Switch Mounted Occupancy Sensors *(26 09 23 00-0408)*

26 09 23 00-0410 Ultrasonic, Wall Switch Mounted Occupancy Sensors *(26 09 23 00-0409)*

26 09 23 00-0411	EA	Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-100)	148.67	12.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.58*	
26 09 23 00-0412	EA	Dual Relay, Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-200)	176.00	12.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.58*	

26 09 23 00-0413 Passive Infrared, Wall Switch Mounted Occupancy Sensors *(26 09 23 00-0409)*

26 09 23 00-0414	EA	Nightlight, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WN-100)	122.24	12.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.58*	
26 09 23 00-0415	EA	Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WS)	113.96	12.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.58*	
26 09 23 00-0416	EA	Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-100)	129.42	12.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.58*	
26 09 23 00-0417	EA	Dual Relay, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-200)	150.32	12.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.58*	
26 09 23 00-0418	EA	Dimmable, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WD)	148.60	12.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.58*	

26 09 23 00-0419 Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensors *(26 09 23 00-0409)*

26 09 23 00-0420	EA	Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-100)	217.62	12.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.58*	
26 09 23 00-0421	EA	Dual Relay, Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-200)	234.91	12.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.58*	

26 09 23 00-0422 Wall Switch Mounted Occupancy Sensor Accessories *(26 09 23 00-0409)*

26 09 23 00-0423	EA	Single Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP)	7.96	3.15
26 09 23 00-0424	EA	One Side Blank, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP)	9.34	3.15
26 09 23 00-0425	EA	Switch Option, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP)	9.34	3.15

26 09 23 00-0426 Ceiling Mounted Occupancy Sensors *(26 09 23 00-0408)*

26 09 23 00-0427 Ultrasonic, Ceiling Mounted Occupancy Sensors *(26 09 23 00-0426)*

26 09 23 00-0428 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors *(26 09 23 00-0427)*

26 09 23 00-0429	EA	500 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-500A)	193.63	28.40
26 09 23 00-0430	EA	1,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-1000A)	223.36	28.40
26 09 23 00-0431	EA	2,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000A)	253.31	28.40
26 09 23 00-0432	EA	90 LF Hallway Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000H)	250.60	28.40

26 09 23 00-0433 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors *(26 09 23 00-0427)*

26 09 23 00-0434	EA	600 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-605)	211.23	28.40
26 09 23 00-0435	EA	1,100 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1105)	241.38	28.40
26 09 23 00-0436	EA	2,205 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2205)	269.93	28.40
26 09 23 00-0437	EA	90 LF Hallway Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2255)	274.76	28.40
26 09 23 00-0438	EA	600 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-600)	229.25	28.40

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0439	EA	1,100 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1100)	260.15	28.40
26 09 23 00-0440	EA	2,200 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2200)	290.93	28.40
26 09 23 00-0441	EA	90 LF Hallway Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2250)	299.80	28.40
26 09 23 00-0442		**40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors** *(26 09 23 00-0427)*		
26 09 23 00-0443	EA	500 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-1)	219.94	28.40
26 09 23 00-0444	EA	1,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-2)	255.96	28.40
26 09 23 00-0445	EA	2,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-3)	286.11	28.40
26 09 23 00-0446	EA	500 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-1)	206.67	28.40
26 09 23 00-0447	EA	1,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-2)	252.06	28.40
26 09 23 00-0448	EA	2,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-3)	266.77	28.40
26 09 23 00-0449	EA	500 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-1)	221.81	28.40
26 09 23 00-0450	EA	1,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-2)	247.95	28.40
26 09 23 00-0451	EA	2,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-3)	280.23	28.40
26 09 23 00-0452		**Passive Infrared, Ceiling Mounted Occupancy Sensors** *(26 09 23 00-0426)*		
26 09 23 00-0453	EA	30 Segment, 5 Level Lens, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper WPIR)	158.93	28.40
26 09 23 00-0454	EA	HVAC/BAS, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-12/24)	162.44	28.40
26 09 23 00-0455	EA	Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-205)	170.76	28.40
26 09 23 00-0456	EA	Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-355)	193.07	28.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.05*	
26 09 23 00-0457	EA	Low Profile, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-305)	195.78	28.40
26 09 23 00-0458	EA	Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-200)	207.45	28.40
26 09 23 00-0459	EA	Low Profile, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-300)	226.13	28.40
26 09 23 00-0460		**Passive Infrared And Ultrasonic, Ceiling Mounted Occupancy Sensors** *(26 09 23 00-0426)*		
26 09 23 00-0461	EA	1,000 SF 360 Degree Coverage, Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-355)	269.68	28.40
26 09 23 00-0462	EA	1,000 SF 360 Degree Coverage, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-300)	309.21	28.40
26 09 23 00-0463	EA	1,000 SF 360 Degree Coverage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-305)	261.29	28.40
26 09 23 00-0464		**Ceiling/Wall Mounted Occupancy Sensors** *(26 09 23 00-0408)*		
26 09 23 00-0465		**Passive Infrared, Ceiling/Wall Mounted Occupancy Sensors** *(26 09 23 00-0464)*		
26 09 23 00-0466	EA	120 LF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100-1/3)	332.89	28.40
26 09 23 00-0467	EA	2,000 SF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100)	332.89	28.40
26 09 23 00-0468		**Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensors** *(26 09 23 00-0464)*		
26 09 23 00-0469	EA	2,000 SF Coverage, Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper DT-200)	309.21	28.40
26 09 23 00-0470		**Occupancy Sensor Power Packs** *(26 09 23 00-0407)*		
26 09 23 00-0471		**Single Voltage, Occupancy Sensor Power Packs** *(26 09 23 00-0470)*		
26 09 23 00-0472	EA	220 To 240 Volt AC, 20 Amperes, Occupancy Sensor Power Pack (Watt Stopper B230E-P)	105.78	25.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.15*	
26 09 23 00-0473	EA	347 Volt AC, 15 Amperes, Occupancy Sensor Power Pack (Watt Stopper B347D-P)	95.74	25.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.15*	
26 09 23 00-0474		**Auxiliary, Occupancy Sensor Power Packs** *(26 09 23 00-0470)*		
26 09 23 00-0475	EA	120, 277 Or 347 Volt AC, 20 Amperes, Auxiliary Occupancy Sensor Power Pack (Watt Stopper S120/277/347E-P)	87.47	25.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.15*	
26 09 23 00-0476		**Universal Voltage, Power Packs For Occupancy Sensors** *(26 09 23 00-0470)*		
26 09 23 00-0477	EA	120/277 Volt AC, 20 Amperes, Dual Voltage, Occupancy Sensor Power Pack (Watt Stopper BZ-100)	117.74	25.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0478		Form C, Occupancy Sensor Power Packs *(26 09 23 00-0470)*		
26 09 23 00-0479	EA	120 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A120C-P)	106.24	25.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.15*	
26 09 23 00-0480	EA	277 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A277C-P)	106.32	25.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.15*	
26 09 23 00-0481		Two Relay, Occupancy Sensor Power Packs *(26 09 23 00-0470)*		
26 09 23 00-0482	EA	120 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C120E-P)	135.34	25.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.15*	
26 09 23 00-0483	EA	277 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C277E-P)	137.33	25.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.15*	
26 09 23 00-0484		Occupancy Sensor Power Supplies *(26 09 23 00-0470)*		
26 09 23 00-0485	EA	120 Volt AC, Occupancy Sensor Power Supply (Watt Stopper BZ-150)	118.30	25.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.15*	
26 09 23 00-0486	EA	277 Volt AC, Occupancy Sensor Power Supply (Watt Stopper AT-277)	282.46	25.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.15*	
26 09 23 00-0487		Intelligent, Occupancy Sensor Power Packs *(26 09 23 00-0470)*		
26 09 23 00-0488	EA	120/277 Volt AC, Two Relays, Two Dimming Channels, Intelligent Occupancy Sensor Power Pack (Watt Stopper LC-100)	375.78	25.25
26 09 23 00-0489		DIN Rail Mounted, Occupancy Sensor Power Packs *(26 09 23 00-0470)*		
26 09 23 00-0490	EA	120/230/277 Volt AC, DIN Rail Mounted, Occupancy Sensor Power Pack (Watt Stopper BD-100)	116.60	25.25
26 09 23 00-0491		Occupancy Sensor Accessories *(26 09 23 00-0407)*		
26 09 23 00-0492		Protective Cages For Occupancy Sensors *(26 09 23 00-0491)*		
26 09 23 00-0493	EA	Protective Cage For Occupancy Sensors (Watt Stopper WC)	68.24	9.47
26 09 23 00-0494		Mounting Brackets For Occupancy Sensors *(26 09 23 00-0491)*		
26 09 23 00-0495	EA	Mounting Bracket For Occupancy Sensor (Watt Stopper MB) Note: Includes J-plate for mounting to HID fixtures or L-plate for mounting to fluorescent fixtures, walls, shelves and girders.	51.26	15.78
26 09 23 00-0496		Occupancy/Lighting Logger *(26 09 23 00-0491)* Note: Logs when a space is occupied/vacant and when lighting is on/off.		
26 09 23 00-0497	EA	Occupancy/Lighting Logger With Connector Cable (Watt Stopper IT-200)	510.77	53.66
26 09 23 00-0498		Digital Time Light Switches *(26 09 23 00-0407)*		
26 09 23 00-0499	EA	Preset Time, Wall Switch Mounted, Digital Time Light Switch (Watt Stopper TS-400)	110.04	12.63
26 09 23 00-0500		Digital High/Low Passive Infrared Fixture Integrated Outdoor Sensor *(26 09 23 00-0407)*		
26 09 23 00-0501	EA	Digital High/Low Passive Infrared Fixture Integrated Outdoor Sensor (Watt Stopper FSP-211)	238.62	41.03
26 09 23 00-0502		Occupancy Sensors (Sensor Switch) *(26 09 23)* Note: Includes testing of new devices and certification.		
26 09 23 00-0503		Occupancy Sensors (Sensor Switch) *(26 09 23 00-0502)* Note: Exclude boxes		
26 09 23 00-0504		Wall Switch Mount Occupancy Sensors (Sensor Switch) *(26 09 23 00-0503)*		
26 09 23 00-0505		Passive Infrared, Wall Switch Mount Occupancy Sensors (Sensor Switch) *(26 09 23 00-0504)*		
26 09 23 00-0506	EA	Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD LV)	224.76	12.63
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Low Voltage Relay Option, Add	*18.14*	
26 09 23 00-0507	EA	Nightlight, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD NL)	158.26	12.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.58*	
26 09 23 00-0508	EA	Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD)	150.94	12.63
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.58*	
26 09 23 00-0509	EA	Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD SA)	150.94	12.63
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0510	EA	2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD 2P)	191.51	12.63
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.58*	
26 09 23 00-0511	EA	Single Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS)	191.51	12.63
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
26 09 23 00-0512	EA	2-Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS 2P)	233.09	12.63
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
26 09 23 00-0513	EA	Single Pole, Passive Infrared, Internally Powered, Wall Switch Mount Occupancy Sensor (Sensor Switch IPD)	191.51	12.63
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
26 09 23 00-0514		**Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch)** *(26 09 23 00-0504)*		
		Note: Includes passive infrared and microphonics detection		
26 09 23 00-0515	EA	Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT LV)	291.26	12.63
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Low Voltage Relay Option, Add	*18.14*	
26 09 23 00-0516	EA	Nightlight, Line Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT NL)	224.76	12.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.58*	
26 09 23 00-0517	EA	Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT)	219.79	12.63
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.58*	
26 09 23 00-0518	EA	Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT SA)	219.79	12.63
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.58*	
26 09 23 00-0519	EA	2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT 2P)	258.01	12.63
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.58*	
26 09 23 00-0520	EA	Single Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT)	258.01	12.63
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
26 09 23 00-0521	EA	2-Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT 2P)	277.96	12.63
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
26 09 23 00-0522		**Wall Switch Mount Occupancy Sensor Accessories (Sensor Switch)** *(26 09 23 00-0504)*		
26 09 23 00-0523	EA	One Blank, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX)	19.61	3.15
26 09 23 00-0524	EA	One Switch, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX)	19.61	3.15
26 09 23 00-0525	EA	Two Blanks, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX 3)	39.56	3.15
26 09 23 00-0526	EA	Two Switches, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX 3)	39.56	3.15
26 09 23 00-0527		**360 Degree View Occupancy Sensors (Sensor Switch)** *(26 09 23 00-0503)*		
26 09 23 00-0528		**Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch)** *(26 09 23 00-0527)*		
		Note: One photocell or dimming option per occupancy sensor		
26 09 23 00-0529	EA	Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 9)	256.33	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Low Voltage Relay Option, Add	*18.14*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
		For Photocell Option With Dimming Capability, Add	*45.34*	
26 09 23 00-0530	EA	Low Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 9)	256.33	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Low Voltage Relay Option, Add	*18.14*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
		For Photocell Option With Dimming Capability, Add	*45.34*	
26 09 23 00-0531	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 9)	256.33	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Low Voltage Relay Option, Add	*18.14*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
		For Photocell Option With Dimming Capability, Add	*45.34*	
26 09 23 00-0532	EA	Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9)	272.96	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
		For Photocell Option With Dimming Capability, Add	*45.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0533	EA	Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9)	272.96	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
		For Photocell Option With Dimming Capability, Add	*45.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.05*	
26 09 23 00-0534	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9)	219.75	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
		For Photocell Option With Dimming Capability, Add	*45.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.05*	
26 09 23 00-0535	EA	2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9 2P)	339.46	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Photocell Option With Dual Zone On/Off, Add	*45.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.05*	
26 09 23 00-0536	EA	2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9 2P)	339.46	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Photocell Option With Dual Zone On/Off, Add	*45.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.05*	
26 09 23 00-0537	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9 2P)	286.26	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Photocell Option With Dual Zone On/Off, Add	*45.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.05*	
26 09 23 00-0538	EA	Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 10)	256.33	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Low Voltage Relay Option, Add	*18.14*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
		For Photocell Option With Dimming Capability, Add	*45.34*	
26 09 23 00-0539	EA	Low Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 10)	256.33	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Low Voltage Relay Option, Add	*18.14*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
		For Photocell Option With Dimming Capability, Add	*45.34*	
26 09 23 00-0540	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 10)	256.33	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Low Voltage Relay Option, Add	*18.14*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
		For Photocell Option With Dimming Capability, Add	*45.34*	
26 09 23 00-0541	EA	Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10)	272.96	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
		For Photocell Option With Dimming Capability, Add	*45.34*	
26 09 23 00-0542	EA	Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10)	272.96	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
		For Photocell Option With Dimming Capability, Add	*45.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.05*	
26 09 23 00-0543	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10)	219.75	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
		For Photocell Option With Dimming Capability, Add	*45.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.05*	
26 09 23 00-0544	EA	2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10 2P)	339.46	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Photocell Option With Dual Zone On/Off, Add	*45.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.05*	
26 09 23 00-0545	EA	2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10 2P)	339.46	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Photocell Option With Dual Zone On/Off, Add	*45.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0546	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10 2P)	286.26	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Photocell Option With Dual Zone On/Off, Add	*45.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.05*	

26 09 23 00-0547 Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch) *(26 09 23 00-0527)*

Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection

26 09 23 00-0548	EA	Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 9)	322.83	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Low Voltage Relay Option, Add	*18.14*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
		For Photocell Option With Dimming Capability, Add	*45.34*	
26 09 23 00-0549	EA	Low Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 9)	322.83	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Low Voltage Relay Option, Add	*18.14*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
		For Photocell Option With Dimming Capability, Add	*45.34*	
26 09 23 00-0550	EA	Low Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 9)	322.83	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Low Voltage Relay Option, Add	*18.14*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
		For Photocell Option With Dimming Capability, Add	*45.34*	
26 09 23 00-0551	EA	Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9)	306.21	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
		For Photocell Option With Dimming Capability, Add	*45.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.05*	
26 09 23 00-0552	EA	Single Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9)	306.21	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
		For Photocell Option With Dimming Capability, Add	*45.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.05*	
26 09 23 00-0553	EA	Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9)	253.00	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
		For Photocell Option With Dimming Capability, Add	*45.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.05*	
26 09 23 00-0554	EA	2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9 2P)	372.71	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Photocell Option With Dual Zone On/Off, Add	*45.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.05*	
26 09 23 00-0555	EA	2-Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9 2P)	372.71	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Photocell Option With Dual Zone On/Off, Add	*45.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.05*	
26 09 23 00-0556	EA	2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9 2P)	319.51	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Photocell Option With Dual Zone On/Off, Add	*45.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.05*	
26 09 23 00-0557	EA	Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 10)	322.83	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Low Voltage Relay Option, Add	*18.14*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
		For Photocell Option With Dimming Capability, Add	*45.34*	
26 09 23 00-0558	EA	Low Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 10)	322.83	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Low Voltage Relay Option, Add	*18.14*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
		For Photocell Option With Dimming Capability, Add	*45.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0559	EA	Low Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 10)	322.83	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Low Voltage Relay Option, Add	*18.14*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
		For Photocell Option With Dimming Capability, Add	*45.34*	
26 09 23 00-0560	EA	Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10)	306.21	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
		For Photocell Option With Dimming Capability, Add	*45.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.05*	
26 09 23 00-0561	EA	Single Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10)	306.21	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
		For Photocell Option With Dimming Capability, Add	*45.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.05*	
26 09 23 00-0562	EA	Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10)	253.00	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
		For Photocell Option With Dimming Capability, Add	*45.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.05*	
26 09 23 00-0563	EA	2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10 2P)	372.71	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Photocell Option With Dual Zone On/Off, Add	*45.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.05*	
26 09 23 00-0564	EA	2-Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10 2P)	372.71	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Photocell Option With Dual Zone On/Off, Add	*45.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.05*	
26 09 23 00-0565	EA	2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10 2P)	319.51	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Photocell Option With Dual Zone On/Off, Add	*45.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.05*	

26 09 23 00-0566 Wide View And Hallway Occupancy Sensors (Sensor Switch) *(26 09 23 00-0503)*

26 09 23 00-0567 Passive Infrared, Wide View And Hallway Occupancy Sensors (Sensor Switch) *(26 09 23 00-0566)*

26 09 23 00-0568	EA	Low Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV 16)	256.33	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Low Voltage Relay Option, Add	*18.14*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Ceiling Mount, Add	*30.23*	
26 09 23 00-0569	EA	Low Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HW 13)	289.58	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Low Voltage Relay Option, Add	*18.14*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Ceiling Mount, Add	*30.23*	
26 09 23 00-0570	EA	Line Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HWR 13)	356.08	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Ceiling Mount, Add	*30.23*	
26 09 23 00-0571	EA	Single Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16)	339.46	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Ceiling Mount, Add	*30.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.05*	
26 09 23 00-0572	EA	2-Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16 2P)	405.96	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Ceiling Mount, Add	*30.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.05*	

26 09 23 00-0573 Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch) *(26 09 23 00-0566)*

Note: Includes passive infrared and microphonics detection

26 09 23 00-0574	EA	Low Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV PDT 16)	322.83	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Low Voltage Relay Option, Add	*18.14*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Ceiling Mount, Add	*30.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0575	EA	Single Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16)	372.71	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Ceiling Mount, Add	*30.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.05*	
26 09 23 00-0576	EA	2-Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16 2P)	439.21	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Ceiling Mount, Add	*30.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.05*	
26 09 23 00-0577		High Bay Occupancy Sensors (Sensor Switch) *(26 09 23 00-0503)*		
26 09 23 00-0578		Passive Infrared, High Bay Occupancy Sensors (Sensor Switch) *(26 09 23 00-0577)*		
26 09 23 00-0579	EA	Low Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CM 6)	256.33	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Low Voltage Relay Option, Add	*18.14*	
		For Photocell Option, Add	*30.23*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
26 09 23 00-0580	EA	Low Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RM 6)	256.33	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Low Voltage Relay Option, Add	*18.14*	
		For Photocell Option, Add	*30.23*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
26 09 23 00-0581	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMB 6)	256.33	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Low Voltage Relay Option, Add	*18.14*	
		For Photocell Option, Add	*30.23*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
26 09 23 00-0582	EA	Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6)	219.75	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Start To High, HID Option, Add	*18.14*	
		For Photocell Option, Add	*30.23*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.05*	
26 09 23 00-0583	EA	Single Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6)	219.75	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Start To High, HID Option, Add	*18.14*	
		For Photocell Option, Add	*30.23*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.05*	
26 09 23 00-0584	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6)	219.75	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Start To High, HID Option, Add	*18.14*	
		For Photocell Option, Add	*30.23*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.05*	
26 09 23 00-0585	EA	2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 2P)	286.26	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell Option, Add	*30.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.05*	
26 09 23 00-0586	EA	2-Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 2P)	286.26	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell Option, Add	*30.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.05*	
26 09 23 00-0587	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 2P)	286.26	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell Option, Add	*30.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.05*	
26 09 23 00-0588	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 208)	243.03	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell Option, Add	*30.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.05*	
26 09 23 00-0589	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 208)	243.03	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell Option, Add	*30.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.05*	
26 09 23 00-0590	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 208)	243.03	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell Option, Add	*30.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0591	EA	480 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 480)	243.03	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell Option, Add	*30.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.05*	
26 09 23 00-0592	EA	480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 480)	243.03	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell Option, Add	*30.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.05*	
26 09 23 00-0593	EA	480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 480)	243.03	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell Option, Add	*30.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.05*	
26 09 23 00-0594	EA	Low Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 50)	289.58	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Low Voltage Relay Option, Add	*18.14*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
26 09 23 00-0595	EA	Low Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RM 50)	289.58	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Low Voltage Relay Option, Add	*18.14*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
26 09 23 00-0596	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMB 50)	289.58	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Low Voltage Relay Option, Add	*18.14*	
		For Photocell Option, Add	*30.23*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
26 09 23 00-0597	EA	Single Pole, Line Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 50)	352.76	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Start To High, HID Option, Add	*18.14*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.05*	
26 09 23 00-0598	EA	Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50)	352.76	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Start To High, HID Option, Add	*18.14*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.05*	
26 09 23 00-0599	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50)	352.76	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Start To High, HID Option, Add	*18.14*	
		For Photocell Option, Add	*30.23*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.05*	
26 09 23 00-0600	EA	2-Pole, Line Voltage, Recessed Mount, Passive Infrared, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 2P)	309.53	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.05*	
26 09 23 00-0601	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 2P)	309.53	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell Option, Add	*30.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.05*	
26 09 23 00-0602	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 208)	259.65	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.05*	
26 09 23 00-0603	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 208)	259.65	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell Option, Add	*30.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.05*	
26 09 23 00-0604	EA	480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 480)	259.65	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.05*	
26 09 23 00-0605	EA	480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 480)	259.65	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell Option, Add	*30.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.05*	
26 09 23 00-0606	EA	Low Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 10)	289.58	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Low Voltage Relay Option, Add	*18.14*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
26 09 23 00-0607	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMB 10)	289.58	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Low Voltage Relay Option, Add	*18.14*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0608	EA	Single Pole, Line Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 10)	352.76	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Start To High, HID Option, Add	*18.14*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.05*	
26 09 23 00-0609	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10)	352.76	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Start To High, HID Option, Add	*18.14*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.05*	
26 09 23 00-0610	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 2P)	339.46	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.05*	
26 09 23 00-0611	EA	480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 480)	306.21	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.05*	
26 09 23 00-0612	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 208)	306.21	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.05*	

26 09 23 00-0613 Occupancy Sensor Power Packs (Sensor Switch) *(26 09 23 00-0502)*

26 09 23 00-0614	EA	Single Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20)	143.61	25.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.15*	
26 09 23 00-0615	EA	2-Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20 2P)	210.12	25.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.15*	
26 09 23 00-0616	EA	Single Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack Without Relay Circuit Protection (Sensor Switch MP20)	110.36	25.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.15*	
26 09 23 00-0617	EA	2-Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Slave Pack Without Relay Circuit Protection (Sensor Switch MSP20)	100.39	25.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.15*	
26 09 23 00-0618	EA	20 Amperes, 120/277 Volt AC, Occupancy Sensor Slave Pack (Sensor Switch SP20)	133.64	25.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.15*	
26 09 23 00-0619	EA	120/277 Volt AC, High Intensity Discharge (HID) Power Pack With 20 Minute Start To High Override (Sensor Switch PP20 SH)	216.77	25.25
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.15*	
26 09 23 00-0620	EA	120/277 Volt AC, 2-Pole, Power Pack With Alternating Relays (Sensor Switch PP 2PAR)	216.77	25.25
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.15*	
26 09 23 00-0621	EA	120/277 Volt AC, Power Pack With Momentary Contacts For Latching Contactors Or Relays (Sensor Switch PP 2PM)	216.77	25.25
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.15*	

26 09 23 00-0622 Daylighting Control (Sensor Switch) *(26 09 23 00-0502)*

26 09 23 00-0623	EA	Low Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CM PC)	223.08	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Dual Zone Option, Add	*45.34*	
26 09 23 00-0624	EA	Low Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RM PC)	223.08	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Dual Zone Option, Add	*45.34*	
26 09 23 00-0625	EA	Low Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMB PC)	223.08	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Dual Zone Option, Add	*45.34*	
26 09 23 00-0626	EA	Line Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CMR PC)	223.08	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For 480 Volt AC Option, Add	*21.16*	
		For Dual Zone Option, Add	*45.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.05*	
26 09 23 00-0627	EA	Line Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RMR PC)	223.08	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For 480 Volt AC Option, Add	*21.16*	
		For Dual Zone Option, Add	*45.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.05*	
26 09 23 00-0628	EA	Line Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMRB PC)	223.08	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For 480 Volt AC Option, Add	*21.16*	
		For Dual Zone Option, Add	*45.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.05*	
26 09 23 00-0629	EA	Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CM ADC)	223.08	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Dual Zone Option, Add	*45.34*	
26 09 23 00-0630	EA	Low Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RM ADC)	223.08	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Dual Zone Option, Add	*45.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0631	EA	Low Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMB ADC)	223.08	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Dual Zone Option, Add	*45.34*	
26 09 23 00-0632	EA	Line Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CMR ADC)	223.08	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Dual Zone Option, Add	*45.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.05*	
26 09 23 00-0633	EA	Line Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RMR ADC)	223.08	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Dual Zone Option, Add	*45.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.05*	
26 09 23 00-0634	EA	Line Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMRB ADC)	223.08	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Dual Zone Option, Add	*45.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.05*	
26 09 23 00-0635	EA	Low Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CM PC ADC)	322.83	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Dual Zone Option, Add	*45.34*	
26 09 23 00-0636	EA	Low Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RM PC ADC)	322.83	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Dual Zone Option, Add	*45.34*	
26 09 23 00-0637	EA	Low Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMB PC ADC)	322.83	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Dual Zone Option, Add	*45.34*	
26 09 23 00-0638	EA	Line Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMR PC ADC)	322.83	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Dual Zone Option, Add	*45.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.05*	
26 09 23 00-0639	EA	Line Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RMR PC ADC)	322.83	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Dual Zone Option, Add	*45.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.05*	
26 09 23 00-0640	EA	Line Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMRB PC ADC)	322.83	28.40
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Dual Zone Option, Add	*45.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.05*	

26 09 23 00-0641 Occupancy Sensors (Sensor Switch nLight®) *(26 09 23)*

Note: Includes testing of new devices and certification.

26 09 23 00-0642 Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0641)*

Note: Excludes boxes.

26 09 23 00-0643 Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0642)*

26 09 23 00-0644 Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0643)*

Note: Includes passive infrared and microphonics detection

26 09 23 00-0645	EA	Low Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor With Raise/Lower Dim Control (Sensor Switch nLight® nWSX PDT LV DX)	349.89	12.63

26 09 23 00-0646 360 Degree View Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0642)*

26 09 23 00-0647 Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0646)*

Note: One photocell or dimming option per occupancy sensor

26 09 23 00-0648	EA	Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 9)	413.56	28.40
26 09 23 00-0649	EA	Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 10)	413.56	28.40
26 09 23 00-0650	EA	Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor With Auto Dimming Control Photocell (Sensor Switch nLight® nCM 10 ADC)	413.56	28.40

26 09 23 00-0651 Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0646)*

Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection

26 09 23 00-0652	EA	Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 9)	484.90	28.40
26 09 23 00-0653	EA	Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10)	484.90	28.40
26 09 23 00-0654	EA	2-Channel, Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10 2P)	502.71	28.40

26 09 23 00-0655 Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0642)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0656		Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0655)*		
		Note: Includes passive infrared and microphonics detection		
26 09 23 00-0657	EA	Low Voltage, Dual Technology, Corner/Ceiling Mount, Wide View Occupancy Sensor (Sensor Switch nLight® nWV PDT 16)	484.90	28.40
26 09 23 00-0658		High Bay Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0642)*		
26 09 23 00-0659		Passive Infrared, High Bay Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0658)*		
26 09 23 00-0660	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch nLight® nCMB 6)	413.56	28.40
26 09 23 00-0661		Occupancy Sensor Power Packs (Sensor Switch nLight®) *(26 09 23 00-0641)*		
26 09 23 00-0662	EA	150mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-150)	139.69	25.25
26 09 23 00-0663	EA	250mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-250)	175.40	25.25
26 09 23 00-0664	EA	30mA/Port At 15 Volt DC Output, 120-277 Volt AC Input, Dimming Power Pack (Sensor Switch nLight® nEPP5 D KO)	236.01	25.25
26 09 23 00-0665	EA	System Power Pack and Relay, Switching Module (Sensor Switch nLight® nPP 16)	236.01	25.25
26 09 23 00-0666		Occupancy Sensor Accessories (Sensor Switch nLight®) *(26 09 23 00-0641)*		
26 09 23 00-0667	EA	RS232 AV Integrator (Sensor Switch nLight® nIO X)	502.71	28.40
26 09 23 00-0668	EA	8 Port, Aggregation Bridge With Power Supply (Sensor Switch nLight® nBRG 8 KIT)	404.42	28.40
26 09 23 00-0669		Daylighting Controls (Sensor Switch nLight®) *(26 09 23 00-0641)*		
26 09 23 00-0670	EA	Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch nLight® nCM ADC)	342.21	28.40
26 09 23 00-0671		Controls (Sensor Switch nLight®) *(26 09 23 00-0641)*		
26 09 23 00-0672	EA	On/Off And Raise/Lower Control, Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM DX)	224.49	28.40
26 09 23 00-0673	EA	1 Scene Controller (2 Buttons), Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM 1SB)	324.40	28.40
26 09 23 00-0674	EA	On/Off Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM)	752.46	28.40
26 09 23 00-0675	EA	3-1/2" Screen, High Resolution Touch Screen Controller, WallPod® Station (Sensor Switch nLight® nPOD GFX)	752.46	28.40
26 09 23 00-0676	EA	3-1/2" Screen, Touch Screen Clock And Network Interface Controller, Gateway (Sensor Switch nLight® nGWY2)	2,821.54	28.40
26 09 23 00-0677		Occupancy Sensors (Lutron) *(26 09 23)*		
		Note: Includes testing of new devices and certification.		
26 09 23 00-0678		Wireless Occupancy Sensors *(26 09 23 00-0677)*		
26 09 23 00-0679	EA	Wireless, Passive Infrared, Ceiling Mount, 360 Degree View Occupancy/Vacancy Sensor (Lutron® LRF2-OCR2B-P-WH)	166.58	28.40
26 09 23 00-0680	EA	Wireless, Passive Infrared, Ceiling Mount, 360 Degree View Vacancy Sensor (Lutron® LRF2-VCR2B-P-WH)	173.96	28.40
26 09 23 00-0681	EA	Wireless, Passive Infrared, Hallway Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OHLB-P-WH)	168.33	28.40
26 09 23 00-0682	EA	Wireless, Passive Infrared, Hallway Wall Mount, Vacancy Sensor (Lutron® LRF2-VHLB-P-WH)	178.09	28.40
26 09 23 00-0683	EA	Wireless, Passive Infrared, 90 Degree Corner Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OKLB-P-WH)	170.52	28.40
26 09 23 00-0684	EA	Wireless, Passive Infrared, 90 Degree Corner Mount, Vacancy Sensor (Lutron® LRF2-VKLB-P-WH)	178.09	28.40
26 09 23 00-0685	EA	Wireless, Passive Infrared, 180 Degree Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OWLB-P-WH)	166.58	28.40
26 09 23 00-0686	EA	Wireless, Passive Infrared, 180 Degree Wall Mount, Vacancy Sensor (Lutron® LRF2-VWLB-P-WH)	170.52	28.40
26 09 23 00-0687	EA	Wireless, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Lutron® FHB140NP24V)	168.33	28.40
26 09 23 00-0688	EA	Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-500-WH)	260.18	28.40
26 09 23 00-0689	EA	Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-500R-WH)	277.68	28.40
26 09 23 00-0690	EA	Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-1000-WH)	317.04	28.40
26 09 23 00-0691	EA	Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-1000R-WH)	334.54	28.40
26 09 23 00-0692	EA	Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CDT-2000-WH)	343.29	28.40
26 09 23 00-0693	EA	Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-2000R-WH)	360.78	28.40
26 09 23 00-0694	EA	Wireless, Passive Infrared, Ceiling Mount, 450 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-450-WH)	205.07	28.40
26 09 23 00-0695	EA	Wireless, Passive Infrared, Ceiling Mount, 1,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-1500-WH)	216.44	28.40
26 09 23 00-0696	EA	Wireless, Ultrasonic, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-500-WH)	253.62	28.40
26 09 23 00-0697	EA	Wireless, Ultrasonic, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-1000-WH)	282.05	28.40
26 09 23 00-0698	EA	Wireless, Ultrasonic, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CUS-2000-WH)	303.92	28.40
26 09 23 00-0699	EA	Wireless, Passive Infrared, 1,600 SF Coverage, 110 Degree Wall Mount, Occupancy Sensor (Lutron® LOS-WIR-WH)	262.37	28.40
26 09 23 00-0700	EA	Wireless, Passive Infrared, RF Daylight Sensor (Lutron® LRF2-DCRB-WH)	241.13	28.40

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0701	EA	Wireless, Dual Technology, Wall Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-SIR-HD-WH)	201.61	28.40
26 09 23 00-0702	EA	Wireless, Dual Technology, Wall Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor, Dual Circuit (Lutron® LOS-S2IR-HD-WH)	248.21	28.40
26 09 23 00-0703	EA	Wireless, Switch and Ceiling Retrofit Sensor (Lutron® MRF2-1S8A-10C)	301.44	28.40
26 09 23 00-0704	EA	Wireless, Switch and Hallway Retrofit Sensor (Lutron® MRF2-1S8A-10H)	319.97	28.40
26 09 23 00-0705	EA	Wireless, Switch and Corner Retrofit Sensor (Lutron® MRF2-1S8A-10K)	319.97	28.40
26 09 23 00-0706	EA	Wireless, Switch and Wall Retrofit Sensor (Lutron® MRF2-1S8A-10W)	319.97	28.40
26 09 23 00-0707	EA	Wireless, Switch and Vacancy Retrofit Sensor (Lutron® MRF2-1S8A-10V)	336.94	28.40
26 09 23 00-0708	EA	Wireless, Two Switchs and Wall Retrofit Sensor (Lutron® MRF2-2S8A-10W)	546.63	41.03
26 09 23 00-0709		**Nodes And Modules** *(26 09 23 00-0677)*		
26 09 23 00-0710	EA	0 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-C)	271.12	28.40
26 09 23 00-0711	EA	0 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-J)	271.12	28.40
26 09 23 00-0712	EA	4 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-C)	343.29	28.40
26 09 23 00-0713	EA	4 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-J)	343.29	28.40
26 09 23 00-0714	EA	120 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-120-WH)	439.26	31.57
26 09 23 00-0715	EA	120 Volt, Gang Box Mount, Switching Power Module (Lutron® PHPM-SW-DV-WH)	439.26	31.57
26 09 23 00-0716	EA	120 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-120-WH)	533.30	31.57
26 09 23 00-0717	EA	120 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-120-WH)	546.42	31.57
26 09 23 00-0718	EA	120/277 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-DV-WH)	675.45	31.57
26 09 23 00-0719	EA	120/277 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-DV-WH)	717.00	31.57
26 09 23 00-0720	EA	120/277 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-DV-WH)	758.56	31.57
26 09 23 00-0721	EA	1 Circuit, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-2)	2,052.85	50.51
26 09 23 00-0722	EA	2 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-4)	2,016.28	56.82
26 09 23 00-0723	EA	3 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-6)	2,958.36	63.13
26 09 23 00-0724		**Other Accessories** *(26 09 23 00-0677)*		
26 09 23 00-0725	EA	Pico® Wireless Control Wallplate Adapter (Lutron® PJ)	42.68	
26 09 23 00-0726	EA	Pico® Wireless Control (Lutron® PJ)	55.85	
26 09 23 00-0727	EA	4-Scene Wireless Remote Control (Lutron® GRX-IT-WH)	165.69	
26 09 23 00-0728	EA	8-Scene Wireless Remote Control (Lutron® GRX-8IT-WH)	316.59	
26 09 23 00-0729	EA	4 Button, EcoSystem® Wall Control With Raise/Lower (Lutron® CC-4BRL)	330.67	28.40
26 09 23 00-0730	EA	seeTouch® QS Wallstation (Lutron® QSWS2)	419.31	28.40
26 09 23 00-0731	EA	seeTouch® QS Wallstation With Infrared Receiver (Lutron® QSWS2)	419.31	28.40
26 09 23 00-0732	EA	120/277 Volt, Energi Savr Node™ With Softswitch®, Fixture Controller (Lutron® QSN-4S16-S)	688.57	31.57
26 09 23 00-0733	EA	120/277 Volt, Energi Savr Node™ For 0-10 V Models, Fixture Controller (Lutron® QSN-4T16-S)	944.45	31.57
26 09 23 00-0734	EA	Control Interface (Lutron® QSE-CI-NWK-E)	1,137.15	28.40
26 09 23 00-0735	EA	1 EcoSystem® Digital Link, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-1ECO-S)	1,128.42	28.40
26 09 23 00-0736	EA	2 EcoSystem® Digital Links, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-2ECO-S)	1,511.14	28.40
26 09 23 00-0737	MLF	5 Conductor, Non-Plenum, Low Voltage Grafik Eye Cable (Lutron® GRX-CBL-346S)	2,421.00	882.48
26 09 23 00-0738	MLF	5 Conductor, Plenum Rated, Low Voltage Grafik Eye Cable (Lutron® GRX-PCBL-346S)	3,295.78	882.48
26 09 23 00-0739		**Fixture Mounted Occupancy Sensors (Leviton)** *(26 09 23)* Note: Includes testing of new devices and certification.		
26 09 23 00-0740	EA	120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-ITW)	159.58	28.40
26 09 23 00-0741	EA	480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-I4W)	139.46	28.40
26 09 23 00-0742	EA	120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-CTW)	176.21	28.40
26 09 23 00-0743	EA	480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-C4W)	139.46	28.40
26 09 23 00-0744	EA	120-347 Volt, Dual Detection Occupancy Wall Sensor Switch (Lithonia WSX-PDT)	233.71	12.61
26 09 23 00-0745		**Counter Mounted Consolets** *(26 09 23)*		
26 09 23 00-0746	EA	20" x 24" Type 12, Oil Tight Consolets, Counter Mounted (Schaefer's SPCL-20C24)	696.42	157.58
26 09 23 00-0747		**Lighting Console And Stations** *(26 09 23)*		
26 09 23 00-0748	EA	80 Channel, 40 Faders, Lighting Console (ETC ColorSource CS 40)	5,080.35	157.58
		For Lighting Console Dust Cover (ETC ColorSource CS40DC), Add	*110.19*	
		For Lighting Console Case (ETC ColorSourcePart 11866), Add	*1,174.91*	
26 09 23 00-0749	EA	10 Preset, Lighting Control Station (Doug Fleenor PRE10-A2)	3,509.69	94.55
26 09 23 00-0750		**Theatre Lighting Console** *(26 09 23)*		
26 09 23 00-0751	EA	Theatre Lighting Console (ETC Colorsource 20)	3,644.63	189.10
26 09 23 00-0752		**Lighting Controls (Daintree Networks)** *(26 09 23)* Note: Includes testing of new devices and certification.		
26 09 23 00-0753		**Wireless Sensors** *(26 09 23 00-0752)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0754	EA	Battery Powered, Passive Infrared, Ceiling Mount, 500 SF Coverage, 360 Degree View, Wireless Occupancy Sensor (Daintree Networks WOS2-CM-S)	199.52	28.40
26 09 23 00-0755	EA	Battery Powered, Passive Infrared, Ceiling Mount, 1,000 SF Coverage, 360 Degree View, Wireless Occupancy Sensor (Daintree Networks WOS2-CM-E)	199.52	28.40
26 09 23 00-0756	EA	Battery Powered, Passive Infrared, Wall Mount, Long-Range Lens, Wireless Occupancy Sensor (Daintree Networks WOS2-WM-L) Note: 8' to 12' install height.	199.52	28.40
26 09 23 00-0757	EA	Battery Powered, Passive Infrared, Wall Mount, Wide-Angle Lens, Wireless Occupancy Sensor (Daintree Networks WOS2-WM-W) Note: 8' to 12' install height.	199.52	28.40
26 09 23 00-0758	EA	Battery Powered, Wireless Photosensor (Daintree Networks WPS1) Note: 8' to 12' install height.	170.98	28.40
26 09 23 00-0759		**Wireless Adaptors** *(26 09 23 00-0752)*		
26 09 23 00-0760	EA	Line Voltage, Wireless Adapter (Daintree Networks WA100) Note: Includes on/off, 0-10V dimming and alternate/bi-level switching. Includes inputs for occupancy controller and photo sensor, and mounting bracket.	232.72	37.88
26 09 23 00-0761	EA	Line Voltage, Wireless Adapter With Power Monitoring (Daintree Networks WA100-PM) Note: Includes on/off, 0-10V dimming and alternate/bi-level switching. Includes inputs for occupancy controller and photo sensor, power monitoring, and mounting bracket.	261.26	37.88
26 09 23 00-0762	EA	Line Voltage, Wireless Fixture Adapter (Daintree Networks WFA100) Note: Includes on/off and 0-10V dimming.	181.35	37.88
26 09 23 00-0763	EA	Line Voltage, Wireless Fixture Adapter With Sensor Inputs (Daintree Networks WFA100-SN) Note: Includes on/off and 0-10V dimming. Includes inputs for occupancy controller and photo sensor.	195.62	37.88
26 09 23 00-0764	EA	Line Voltage, Wireless General Purpose Adapter (Daintree Networks WGA100) Note: Includes mounting bracket.	289.80	37.88
26 09 23 00-0765		**Controllers** *(26 09 23 00-0752)* Note: Includes programming for new controllers.		
26 09 23 00-0766	EA	Site System Controller (Daintree Networks SC51) Note: For single facility up to 1,000 wireless nodes. Excludes node licenses. Does not support CS-MFM.	2,951.63	63.13
26 09 23 00-0767	EA	Enterprise System Controller (Daintree Networks SC71) Note: For single or multiple facilities up to 10,000 wireless nodes. Excludes node licenses. Up to 4,000 zones per facility. Single facility included, additional facilities require purchase of CS-MFM per facility. Includes rack rails.	4,949.36	63.13
26 09 23 00-0768	EA	Wireless Area Controller (Daintree Networks WAC50) Note: Maximum capacity of 100 wireless nodes. Excludes node licenses.	1,176.15	
26 09 23 00-0769	EA	BACnet Server (Daintree Networks CS-BAC) Note: Requires purchase of additional CS-BAC-5 licenses for systems with more than 1,000 nodes.	5,805.53	63.13
26 09 23 00-0770		**Other Accessories** *(26 09 23 00-0752)*		
26 09 23 00-0771	EA	10 To 30 Volt AC, Wireless Thermostat (Daintree Networks WTS10)	468.74	63.13
26 09 23 00-0772	EA	Battery Powered, Wireless Wall Dimmer (Daintree Networks WWD1)	204.19	37.88
26 09 23 00-0773	EA	SafePlug Model 1203 Wireless Plug Load Controller, Dual Receptacle (Daintree Networks RSP-1203) Note: ControlScope interoperable version is 9916 003 ZB HA or later.	310.64	12.63
26 09 23 00-0774	EA	SafePlug 1621 Reset Link Key (Daintree Networks RSP-1621) Note: Required to reset a Safeplug 1203 to default settings.	19.98	
26 09 23 00-0775		**Software And Support** *(26 09 23 00-0752)*		
26 09 23 00-0776	EA	Regular Node License Bundle (25 Regular Wireless Nodes) (Daintree Networks N25) Note: Includes 1 year of SUS.	1,969.19	
26 09 23 00-0777	EA	Software Updates and Support - 1 Year Extension (5 Wireless Nodes) (Daintree Networks SUS1-5) Note: Node total must match the number of wireless node licenses purchased or installed on the system.	128.43	
26 09 23 00-0778	EA	Software Updates and Support - 3 Year Extension (5 Wireless Nodes) (Daintree Networks SUS3-5) Note: Node total must match the number of wireless node licenses purchased or installed on the system.	313.93	
26 09 23 00-0779	EA	Thermostat Node License Bundle (5 Thermostat Wireless Nodes) (Daintree Networks T5) Note: Includes 1 year of SUS.	1,683.80	
26 09 23 00-0780	EA	BACnet Supplemental Node License Bundle (5 Additional Wireless Nodes) (Daintree Networks CS-BAC-5) Note: Requires CS-BAC; Supports additional wireless nodes above 1,000. Node total must match the number of wireless node licenses purchased or installed on the system.	28.54	
26 09 23 00-0781	EA	Multi-Facility Management (per additional facility) (Daintree Networks CS-MFM) Note: Requires SC71.	1,113.02	
26 09 23 00-0782	HR	Engineering Assistance (Daintree Networks EAH1)	428.08	
26 09 23 00-0783	DAY	Engineering Assistance (Daintree Networks EA1)	3,424.68	
26 09 23 00-0784	EA	2-Year Hardware Warranty Extension (Daintree Networks HWE2-SC51) Note: Extends total hardware warranty to 3 years. Can be purchased before expiry of the included 1-year warranty.	913.25	
26 09 23 00-0785	EA	2-Year Hardware Warranty Extension (Daintree Networks HWE2-SC71) Note: Extends total hardware warranty to 3 years. Can be purchased before expiry of the included 1-year warranty.	1,683.80	
26 09 23 00-0786		**Emergency Lighting Controls** *(26 09 23)*		
26 09 23 00-0787		**Emergency Lighting Control Units (Watt Stopper ELCU)** *(26 09 23 00-0786)* Note: The ELCU monitors a single circuit and can be wired either as a control device, so that emergency lighting follows the control of normal lighting, or as a bypass device to shunt emergency power around a control device when normal power fails. Includes integral push-to-test button and LED indicator for emergency and normal power.		
26 09 23 00-0788	EA	DIN Rail Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-100)	253.58	31.57

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0789	EA	1/2" Knockout Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-200)	253.58	31.57
26 09 23 00-0790		**Emergency Shunt Relays (Lighting Control & Design GR 2001™)** *(26 09 23 00-0786)*		
		Note: Normally-closed, electrically-held relay to be wired in parallel with a wall switch. Manually controlled emergency lighting will be automatically shunted on during a power outage. Includes two-gang NEMA 1 junction box, voltage-separating barrier and plaster ring separating normal and emergency power. Excludes wall plate and switch.		
26 09 23 00-0791	EA	1 Emergency Shunt Relay And NEMA 1 Enclosure (Lighting Control & Design GR 2001™)	410.66	44.19
26 09 23 00-0792	EA	2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™)	561.24	50.51
26 09 23 00-0793	EA	2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™ Dual)	758.15	56.82
		Note: Controls normal and emergency lighting from single-pole wall switch.		
26 09 23 00-0794		**Photocells** *(26 09 23)*		
26 09 23 00-0795	EA	Plug-In Photocell For Lighting Fixtures (Intermac® LC2000)	99.19	
26 09 23 00-0796	EA	Wired Photocell For Lighting Fixtures (Intermac® K4021C)	224.59	
26 09 23 00-0797		**Outdoor Lighting Motion Sensors** *(26 09 23)*		
26 09 23 00-0798	EA	70' Range, 180 Degree Detection Zone, 8 Amperes, Switching Capacity, Polycarbonate Housing, Outdoor Motion Sensor (Lithonia OMS 1000)	132.36	31.57
26 09 23 00-0799	EA	70' Range, 200 Degree Detection Zone, 10 Amperes, Switching Capacity, Cast Aluminum Housing, Outdoor Motion Sensor (Lithonia OMS 2000)	144.91	31.57
26 09 23 00-0800	EA	30' Range, 360 Degree Detection Zone, Line Voltage, Plastic Housing, IP66 Rated, Outdoor Motion Sensor With Photocell (SensorSwitch SBOR)	610.96	31.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.94*	
26 09 23 00-0801		**Street Light Controls** *(26 09 23)*		
26 09 23 00-0802		**Photo Controls** *(26 09 23 00-0801)*		
26 09 23 00-0803	EA	Photo Control, 120 Volt As Manufactured By Cooper Lighting #RA1014	104.29	
26 09 23 00-0804	EA	Photo Control, Multi-Tap As Manufactured By Cooper Lighting #RA1016	119.78	
26 09 23 00-0805		**Connector Node** *(26 09 23 00-0801)*		
26 09 23 00-0806	EA	Outdoor Lighting Connector Node (Philips City Touch LLC7260)	552.89	3.52
26 09 23 00-0807		**Lighting Control Devices (Legrand)** *(26 09 23)*		
26 09 23 00-0808	EA	Line-Voltage Wall Switch Occupancy Sensors (Legrand DW-100)	249.53	28.40
26 09 23 00-0809	EA	Line-Voltage Dimming Wall Switch Occupancy Sensors (Legrand DW-311)	337.62	28.40
26 09 23 00-0810	EA	Dual Technology, Ceiling Mount, Occupancy Sensor (Legrand LMDC-100)	540.92	41.03
26 09 23 00-0811	EA	1 Relay Digital Room Controller, 0-10V Dimming (Legrand LMRC-211)	406.32	28.40
26 09 23 00-0812	EA	2 Relay Digital Room Controller, 0-10V Dimming (Legrand LMRC-212)	557.08	34.72
26 09 23 00-0813	EA	1 Button, Digital Dimming Wall Switch (Legrand LMDM-101)	186.34	28.40
26 09 23 00-0814	EA	4 Button, Digital Wall Switch (Legrand LMSW-104)	238.01	47.34

26 10 Medium-Voltage Electrical Distribution *(26)*

26 11 Substations *(26 10)*

26 11 13 Primary Unit Substations *(26 11)*

26 11 13 00-0001 "Switchyard" Substation Primary Incoming Section *(26 11 13)*

26 11 13 00-0002 Outdoor Oil Circuit Breakers "Switchyard" *(26 11 13 00-0001)*

Note: Type SP 14.4 thru 69 KV 1200 amp. Frame mounted. Standard equipment

26 11 13 00-0003	EA	14.4 KV, 500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation	77,194.37	2,187.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,335.22*	
26 11 13 00-0004	EA	23.0 KV, 750 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation	94,674.40	2,766.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,669.03*	
26 11 13 00-0005	EA	34.5 KV, 1,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation	107,404.52	2,766.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,669.03*	
26 11 13 00-0006	EA	46 KV, 2,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation	123,597.99	2,766.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,780.30*	
26 11 13 00-0007	EA	69 KV, 3,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation	140,199.45	3,410.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2,054.19*	

26 11 13 00-0008 Accessories For Outdoor Oil Circuit Breakers *(26 11 13 00-0001)*

26 11 13 00-0009	EA	Reclosure Relay, Adjustable, 3 Shot, #179	2,047.35	230.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*136.40*	
26 11 13 00-0010	EA	Overcurrent Relay, 1 Phase, #51/51N	615.65	167.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*90.97*	
26 11 13 00-0011	EA	Directional Overcurrent Relay, Three-Phase, Device No. 67	938.35	167.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*113.36*	
26 11 13 00-0012	EA	Voltage Relay, Under Or Over- Voltage, Device No. 27 Or 59, Three-Phase	741.23	167.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*90.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0013	EA	Differential Relay Package, Complete, Device No. 87	2,772.53	564.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*340.79*	

26 11 13 00-0014 "Switchyard", Substation Transformer Section *(26 11 13)*

Note: Standard NEMA design two winding three phase, 60 Hz. oil filled load tap changer 10% Range

26 11 13 00-0015 14.4 KV Nominal Primary *(26 11 13 00-0014)*

26 11 13 00-0016	EA	1,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	44,074.89	2,187.84
		For 50 Hz Operation, Add	*4,754.90*	
		For Forced Air-Cooling, Add	*4,754.90*	
		For External Control Panel, Add	*1,188.72*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*396.24*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*1,981.21*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*4,953.02*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*5,943.62*	
26 11 13 00-0017	EA	2,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	50,297.42	2,741.23
		For 50 Hz Operation, Add	*5,368.08*	
		For Forced Air-Cooling, Add	*5,368.08*	
		For External Control Panel, Add	*1,342.02*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*447.34*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*2,236.70*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*5,591.75*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*6,710.10*	
26 11 13 00-0018	EA	5,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	77,520.69	3,860.88
		For 50 Hz Operation, Add	*8,352.99*	
		For Forced Air-Cooling, Add	*8,352.99*	
		For External Control Panel, Add	*2,088.25*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*696.08*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*3,480.41*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*8,701.03*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*10,441.24*	
26 11 13 00-0019	EA	7,500 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	112,638.40	4,634.21
		For 50 Hz Operation, Add	*12,317.17*	
		For Forced Air-Cooling, Add	*12,317.17*	
		For External Control Panel, Add	*3,079.29*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,026.43*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*5,132.15*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*12,830.38*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*15,396.46*	
26 11 13 00-0020	EA	10,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	138,733.43	5,997.21
		For 50 Hz Operation, Add	*15,148.71*	
		For Forced Air-Cooling, Add	*15,148.71*	
		For External Control Panel, Add	*3,787.18*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,262.39*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*6,311.96*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*15,779.91*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*18,935.89*	

26 11 13 00-0021 23 KV Nominal Primary *(26 11 13 00-0014)*

26 11 13 00-0022	EA	1,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	49,150.98	2,960.01
		For 50 Hz Operation, Add	*5,230.51*	
		For External Control Panel, Add	*1,307.63*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*435.88*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*2,179.38*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*5,448.44*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*6,538.13*	
		For Forced Air-Cooling, Add	*3,487.00*	
26 11 13 00-0023	EA	2,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	56,040.83	2,960.01
		For 50 Hz Operation, Add	*5,918.73*	
		For External Control Panel, Add	*1,479.68*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*493.23*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*2,466.14*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*6,165.34*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*7,398.41*	
		For Forced Air-Cooling, Add	*3,945.82*	
26 11 13 00-0024	EA	5,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	90,307.83	4,375.67
		For 50 Hz Operation, Add	*9,768.76*	
		For External Control Panel, Add	*2,442.19*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*814.06*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*4,070.32*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*10,175.79*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*12,210.95*	
		For Forced Air-Cooling, Add	*6,512.51*	
26 11 13 00-0025	EA	7,500 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	121,036.32	5,997.21
		For 50 Hz Operation, Add	*13,025.06*	
		For External Control Panel, Add	*3,256.26*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,085.42*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*5,427.11*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*13,567.77*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*16,281.32*	
		For Forced Air-Cooling, Add	*8,683.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0026	EA	10,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	150,531.53	5,997.21
		For 50 Hz Operation, Add	*16,564.48*	
		For External Control Panel, Add	*4,141.12*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,380.37*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*6,901.87*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*17,254.67*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*20,705.60*	
		For Forced Air-Cooling, Add	*11,042.99*	

26 11 13 00-0027 34.5 KV Nominal Primary *(26 11 13 00-0014)*

26 11 13 00-0028	EA	1,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	61,776.01	3,539.14
		For 50 Hz Operation, Add	*6,606.95*	
		For External Control Panel, Add	*1,651.74*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*550.58*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*2,752.90*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*6,882.24*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*8,258.69*	
		For Forced Air-Cooling, Add	*4,404.63*	
26 11 13 00-0029	EA	2,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	74,620.53	5,533.93
		For 50 Hz Operation, Add	*7,983.39*	
		For External Control Panel, Add	*1,995.85*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*665.28*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*3,326.41*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*8,316.03*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*9,979.24*	
		For Forced Air-Cooling, Add	*5,322.26*	
26 11 13 00-0030	EA	5,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	103,152.09	5,533.93
		For 50 Hz Operation, Add	*11,043.03*	
		For External Control Panel, Add	*2,760.76*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*920.25*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*4,601.26*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*11,503.16*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*13,803.79*	
		For Forced Air-Cooling, Add	*7,362.02*	
26 11 13 00-0031	EA	7,500 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	132,834.33	5,860.91
		For 50 Hz Operation, Add	*14,440.82*	
		For External Control Panel, Add	*3,610.20*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,203.40*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*6,017.01*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*15,042.52*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*18,051.02*	
		For Forced Air-Cooling, Add	*9,627.21*	
26 11 13 00-0032	EA	10,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	230,717.41	7,496.52
		For 50 Hz Operation, Add	*25,766.98*	
		For External Control Panel, Add	*6,441.75*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*2,147.25*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*10,736.24*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*26,840.61*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*32,208.73*	
		For Forced Air-Cooling, Add	*17,177.99*	

26 11 13 00-0033 46 KV Nominal Primary *(26 11 13 00-0014)*

26 11 13 00-0034	EA	1,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	95,190.51	4,118.27
		For 50 Hz Operation, Add	*10,451.79*	
		For External Control Panel, Add	*2,612.95*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*870.98*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*4,354.91*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*10,887.28*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*13,064.74*	
		For Forced Air-Cooling, Add	*6,967.86*	
26 11 13 00-0035	EA	2,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	107,646.11	4,118.27
		For 50 Hz Operation, Add	*11,849.36*	
		For External Control Panel, Add	*2,962.34*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*987.45*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*4,937.23*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*12,343.08*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*14,811.69*	
		For Forced Air-Cooling, Add	*7,899.57*	
26 11 13 00-0036	EA	5,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	149,365.17	5,533.93
		For 50 Hz Operation, Add	*16,588.60*	
		For External Control Panel, Add	*4,147.15*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,382.38*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*6,911.92*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*17,279.79*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*20,735.75*	
		For Forced Air-Cooling, Add	*11,059.07*	
26 11 13 00-0037	EA	7,500 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	182,102.11	7,496.52
		For 50 Hz Operation, Add	*19,933.15*	
		For External Control Panel, Add	*4,983.29*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,661.10*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*8,305.48*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*20,763.69*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*24,916.43*	
		For Forced Air-Cooling, Add	*13,288.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0038	EA	10,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	260,285.69	7,496.52
		For 50 Hz Operation, Add	*29,315.18*	
		For External Control Panel, Add	*7,328.79*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*2,442.93*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*12,214.66*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*30,536.64*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*36,643.97*	
		For Forced Air-Cooling, Add	*19,543.45*	

26 11 13 00-0039 69 KV Nominal Primary *(26 11 13 00-0014)*

26 11 13 00-0040	EA	1,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	137,593.93	4,375.67
		For 50 Hz Operation, Add	*15,443.09*	
		For External Control Panel, Add	*3,860.77*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,286.92*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*6,434.62*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*16,086.56*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*19,303.87*	
		For Forced Air-Cooling, Add	*10,295.40*	
26 11 13 00-0041	EA	2,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	157,844.72	5,533.93
		For 50 Hz Operation, Add	*17,606.14*	
		For External Control Panel, Add	*4,401.54*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,467.18*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*7,335.89*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*18,339.73*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*22,007.68*	
		For Forced Air-Cooling, Add	*11,737.43*	
26 11 13 00-0042	EA	5,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	217,786.49	5,533.93
		For 50 Hz Operation, Add	*24,799.16*	
		For External Control Panel, Add	*6,199.79*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*2,066.60*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*10,332.98*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*25,832.46*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*30,998.95*	
		For Forced Air-Cooling, Add	*16,532.77*	
26 11 13 00-0043	EA	7,500 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	229,859.53	7,496.52
		For 50 Hz Operation, Add	*25,664.04*	
		For External Control Panel, Add	*6,416.01*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*2,138.67*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*10,693.35*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*26,733.37*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*32,080.05*	
		For Forced Air-Cooling, Add	*17,109.36*	
26 11 13 00-0044	EA	10,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	302,056.67	7,496.52
		For 50 Hz Operation, Add	*34,327.69*	
		For External Control Panel, Add	*8,581.92*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*2,860.64*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*14,303.21*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*35,758.01*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*42,909.62*	
		For Forced Air-Cooling, Add	*22,885.13*	

26 11 13 00-0045 Circuit Breakers Fluarc SF6 13.8 KV *(26 11 13)*

26 11 13 00-0046	EA	1,200 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	83,054.78	1,063.09
26 11 13 00-0047	EA	1,200 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	91,240.76	1,063.09
26 11 13 00-0048	EA	1,200 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	103,825.71	1,320.54
26 11 13 00-0049	EA	2,000 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	96,912.61	1,587.88
26 11 13 00-0050	EA	2,000 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	109,279.28	1,587.88
26 11 13 00-0051	EA	2,000 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	124,654.98	1,844.76
26 11 13 00-0052	EA	3,000 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	128,404.78	2,107.64
26 11 13 00-0053	EA	3,000 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	143,801.98	2,107.64
26 11 13 00-0054	EA	3,000 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	150,646.29	2,366.89

26 11 13 00-0055 12KVA OSHPD Substation: Power Transformer, Switchboards, Medium Voltage Switch Gear *(26 11 13)*

Note: California OSHPD (Office of Statewide Health Planning and Development) Approved High Voltage equipment set for a 12 KVA substation. Doesn't include concrete pad, conduit, electrical cable, installation.

26 11 13 00-0056	EA	12KVA OSHPD Substation: Power Transformer, Switchboards, Medium Voltage Switch Gear Note: Pow-R-Line CSwitchboard, Front Access/ Front and Rear Align, Type 3R (nonwalk-in) Flat Roof, 208Y/120V 3-Phase 4-Wire, 2000 Copper, Minimum Interrupting Rating: 100kA, Bus Bracing Rating: 100kA, OSHPD; Power Transformer, 001, 72216 - Cooper Liquid Filled Padmount, E = Petrochemical, 500, OSHPD; Outdoor, 15kV Max, 12.00kV system, 3 wires, 1200A, Silver-Plated Copper bus, 2 Structures, OSHPD; LAB30531X7K2 Sub-set model numbers (MS-A SWBD 2000A N3R, 1200A MEB IQ Transfer, 500kva Padmount). Excludes installation, material only.	355,104.76	

26 11 16 Secondary Unit Substations *(26 11)*

26 11 16 11 Secondary Unit Substations with Switchgear Secondary *(26 11 16)*

26 11 16 11-0001 Substation Primary Incoming Section *(26 11 16 11)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0002		**Manual Transferring Fused Load Break Switches** *(26 11 16 11-0001)* Note: 15 KV 600 Amp 3 pole 2 position floor mounted. Type, metal compartment includes weatherproofing, fuses, transformer throat, pothead terminations thru 500 MCM, with surge protection. Manual transferring of one line to an alternate incoming line.		
26 11 16 11-0003	EA	112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position	41,173.93	1,561.12
26 11 16 11-0004	EA	2,000 And 2,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position	47,537.61	1,561.12
26 11 16 11-0005		**Automatic Transferring Fused Load Break Switches** *(26 11 16 11-0001)* Note: Items are equipped with 3 pole - 2 position selector switch for automatic transferring one line to an alternate incoming line.		
26 11 16 11-0006	EA	112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position Selector Switch	58,264.35	1,561.12
26 11 16 11-0007	EA	2,000 And 2,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position Selector Switch	62,405.87	1,561.12
26 11 16 11-0008		**Accessories For Substation Fused Load Break Switches** *(26 11 16 11-0001)*		
26 11 16 11-0009	EA	Primary Lightning Arrestors Accessories, Secondary Distribution Section	21,485.95	
26 11 16 11-0010	EA	Key Interlock Accessories, Secondary Distribution Section	2,091.38	
26 11 16 11-0011		**Oil Filled Substation Transformers** *(26 11 16 11)* Note: 112-1/2 KVA thru 2500 KVA standard NEMA design 3 phase cover mounted manual tap changer, liquid level gauge with alarm contacts, thermometer with alarm contacts, pressure vacuum gauge, automatic control for auxiliary cooling equipment. Weatherproof.		
26 11 16 11-0012		**Substation, Primary 13.8 KV Secondary 480Y/277 Or 480 Volt, 60 HZ** *(26 11 16 11-0011)*		
26 11 16 11-0013	EA	75 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	37,453.74	965.22
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*2,486.63*	
		For Control Power Transformer On Fans And Auxiliary, Add	*1,065.70*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*355.23*	
26 11 16 11-0014	EA	112.5 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	55,375.29	1,158.26
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*3,714.11*	
		For Control Power Transformer On Fans And Auxiliary, Add	*1,591.76*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*530.59*	
26 11 16 11-0015	EA	150 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	62,709.81	1,286.96
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*4,209.51*	
		For Control Power Transformer On Fans And Auxiliary, Add	*1,804.08*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*601.36*	
26 11 16 11-0016	EA	225 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	74,080.80	1,608.71
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*4,960.44*	
		For Control Power Transformer On Fans And Auxiliary, Add	*2,125.90*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*708.63*	
26 11 16 11-0017	EA	300 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	82,305.01	1,994.79
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*5,482.08*	
		For Control Power Transformer On Fans And Auxiliary, Add	*2,349.46*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*783.15*	
26 11 16 11-0018	EA	500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	87,561.98	2,445.22
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*5,787.01*	
		For Control Power Transformer On Fans And Auxiliary, Add	*2,480.15*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*826.72*	
26 11 16 11-0019	EA	750 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	102,342.65	1,286.96
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*6,749.58*	
		For Control Power Transformer On Fans And Auxiliary, Add	*2,892.68*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*964.23*	
26 11 16 11-0020	EA	1,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	108,954.55	3,217.40
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*7,176.38*	
		For Control Power Transformer On Fans And Auxiliary, Add	*3,075.59*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,025.20*	
26 11 16 11-0021	EA	1,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	121,831.73	3,539.14
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*8,032.74*	
		For Control Power Transformer On Fans And Auxiliary, Add	*3,442.60*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,147.53*	
26 11 16 11-0022	EA	2,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	141,145.21	3,925.24
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*9,330.63*	
		For Control Power Transformer On Fans And Auxiliary, Add	*3,998.84*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,332.95*	
26 11 16 11-0023	EA	2,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	155,033.87	4,279.15
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*10,253.29*	
		For Control Power Transformer On Fans And Auxiliary, Add	*4,394.27*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,464.76*	
26 11 16 11-0024		**Substation, Primary 13.8 KV Secondary 208Y/120 Volt, 60 HZ** *(26 11 16 11-0011)*		
26 11 16 11-0025	EA	75 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	35,681.53	965.22
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*2,362.58*	
		For Control Power Transformer On Fans And Auxiliary, Add	*1,012.53*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*337.51*	
26 11 16 11-0026	EA	112.5 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	54,414.54	965.22
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*3,673.89*	
		For Control Power Transformer On Fans And Auxiliary, Add	*1,574.52*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*524.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0027	EA	150 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	62,670.59	1,286.96
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*4,206.77*	
		For Control Power Transformer On Fans And Auxiliary, Add	*1,802.90*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*600.97*	
26 11 16 11-0028	EA	225 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	74,148.27	1,608.71
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*4,965.16*	
		For Control Power Transformer On Fans And Auxiliary, Add	*2,127.93*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*709.31*	
26 11 16 11-0029	EA	300 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	89,191.40	1,994.79
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*5,964.13*	
		For Control Power Transformer On Fans And Auxiliary, Add	*2,556.05*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*852.02*	
26 11 16 11-0030	EA	500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	96,136.78	2,445.22
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*6,387.24*	
		For Control Power Transformer On Fans And Auxiliary, Add	*2,737.39*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*912.46*	
26 11 16 11-0031	EA	750 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	106,302.16	2,960.01
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*7,026.75*	
		For Control Power Transformer On Fans And Auxiliary, Add	*3,011.46*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,003.82*	
26 11 16 11-0032	EA	1,000 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	115,775.17	3,217.40
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*7,653.83*	
		For Control Power Transformer On Fans And Auxiliary, Add	*3,280.21*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,093.40*	
26 11 16 11-0033	EA	1,500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	130,651.84	3,539.14
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*8,650.15*	
		For Control Power Transformer On Fans And Auxiliary, Add	*3,707.21*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,235.74*	

26 11 16 11-0034 Accessories For Oil Filled Substation Transformers *(26 11 16 11-0011)*

26 11 16 11-0035	EA	Sudden Pressure Relay	10,766.97	
26 11 16 11-0036	EA	Throats Or Flanges (HV Or LV)	21,376.09	
26 11 16 11-0037	EA	Lightning Arrestors (3 - 1 Pole)	14,075.34	
26 11 16 11-0038	EA	Single Feeder Switch With Fuses 3 Pole, 2 Position, Open-Close Close) Fuse Type - CLE (80E To 125 X)	78,111.05	
26 11 16 11-0039	EA	Oil Fuse Cutout, 15 KV, 200 Amperes, Free Standing Air Filled Terminal Compartment, 15 KV - 200 Amp Cutout	73,080.66	

26 11 16 11-0040 Reinforced Concrete Curb With 6" Slab *(26 11 16 11-0011)*

Note: For transformer liquid containment area.

26 11 16 11-0041	EA	112.5 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	8,213.88	1,360.38
26 11 16 11-0042	EA	150 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	8,213.88	1,360.38
26 11 16 11-0043	EA	225 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	8,213.88	1,360.38
26 11 16 11-0044	EA	300 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	8,213.88	1,360.38
26 11 16 11-0045	EA	500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	8,213.88	1,360.38
26 11 16 11-0046	EA	750 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	8,213.88	1,360.38
26 11 16 11-0047	EA	1,000 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	8,213.88	1,360.38
26 11 16 11-0048	EA	1,500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	10,069.68	1,568.55

26 11 16 11-0049 Dry Type Substation Transformer *(26 11 16 11)*

Note: Standard NEMA design 3 phase - 150 C rise - 60 Hz self-cooled, ventilated.

26 11 16 11-0050 Primary 4.16 Or 4.8 KV Secondary 208 Y/120 Or 240 Volt *(26 11 16 11-0049)*

Note: Primary 4.160 or 4.8 KV (delta or wye).

26 11 16 11-0051	EA	112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	66,181.57	1,029.57
		For Gas Filled Transformers, Add	*38,473.46*	
		For Single Phase Transformers, Deduct	*-1,603.06*	
		For Dry Type Unit, Add	*14,312.85*	
26 11 16 11-0052	EA	150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	66,310.27	1,093.92
		For Gas Filled Transformers, Add	*38,473.46*	
		For Single Phase Transformers, Deduct	*-1,603.06*	
		For Dry Type Unit, Add	*14,325.72*	
26 11 16 11-0053	EA	225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	67,531.59	1,286.96
		For Gas Filled Transformers, Add	*38,974.60*	
		For Single Phase Transformers, Deduct	*-1,623.94*	
		For Dry Type Unit, Add	*14,548.08*	
26 11 16 11-0054	EA	300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	74,543.22	1,415.66
		For Gas Filled Transformers, Add	*43,027.14*	
		For Single Phase Transformers, Deduct	*-1,792.80*	
		For Dry Type Unit, Add	*16,059.75*	
26 11 16 11-0055	EA	500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	82,608.00	1,673.05
		For Gas Filled Transformers, Add	*47,557.14*	
		For Single Phase Transformers, Deduct	*-1,981.55*	
		For Dry Type Unit, Add	*17,772.23*	
26 11 16 11-0056	EA	750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	95,717.09	1,930.44
		For Gas Filled Transformers, Add	*55,113.73*	
		For Single Phase Transformers, Deduct	*-2,296.41*	
		For Dry Type Unit, Add	*20,594.45*	
26 11 16 11-0057	EA	1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	111,036.84	2,316.53
		For Gas Filled Transformers, Add	*63,842.27*	
		For Single Phase Transformers, Deduct	*-2,660.09*	
		For Dry Type Unit, Add	*23,872.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0058	EA	1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	131,452.60	2,573.92
		For Gas Filled Transformers, Add	*75,782.85*	
		For Single Phase Transformers, Deduct	*-3,157.62*	
		For Dry Type Unit, Add	*28,301.83*	
26 11 16 11-0059	EA	2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	171,137.06	2,702.61
		For Gas Filled Transformers, Add	*99,439.09*	
		For Single Phase Transformers, Deduct	*-4,143.30*	
		For Dry Type Unit, Add	*37,001.52*	
26 11 16 11-0060		**Primary 4.16 Or 4.8 KV Secondary 480 Y/277 Or 480 Volt** *(26 11 16 11-0049)*		
		Note: Primary 4.16 or 4.8 KV (delta or wye).		
26 11 16 11-0061	EA	112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	63,906.05	1,029.57
		For Gas Filled Transformers, Add	*37,108.15*	
		For Single Phase Transformers, Deduct	*-1,546.17*	
		For Dry Type Unit, Add	*13,812.23*	
26 11 16 11-0062	EA	150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	66,310.27	1,093.92
		For Gas Filled Transformers, Add	*38,473.46*	
		For Single Phase Transformers, Deduct	*-1,603.06*	
		For Dry Type Unit, Add	*14,325.72*	
26 11 16 11-0063	EA	225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	67,531.59	1,286.96
		For Gas Filled Transformers, Add	*38,974.60*	
		For Single Phase Transformers, Deduct	*-1,623.94*	
		For Dry Type Unit, Add	*14,548.08*	
26 11 16 11-0064	EA	300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	74,543.22	1,415.66
		For Gas Filled Transformers, Add	*43,027.14*	
		For Single Phase Transformers, Deduct	*-1,792.80*	
		For Dry Type Unit, Add	*16,059.75*	
26 11 16 11-0065	EA	500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	82,608.00	1,673.05
		For Gas Filled Transformers, Add	*47,557.14*	
		For Single Phase Transformers, Deduct	*-1,981.55*	
		For Dry Type Unit, Add	*17,772.23*	
26 11 16 11-0066	EA	750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	95,717.09	1,930.44
		For Gas Filled Transformers, Add	*55,113.73*	
		For Single Phase Transformers, Deduct	*-2,296.41*	
		For Dry Type Unit, Add	*20,594.45*	
26 11 16 11-0067	EA	1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	111,036.84	2,316.53
		For Gas Filled Transformers, Add	*63,842.27*	
		For Single Phase Transformers, Deduct	*-2,660.09*	
		For Dry Type Unit, Add	*23,872.14*	
26 11 16 11-0068	EA	1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	131,452.60	2,573.92
		For Gas Filled Transformers, Add	*75,782.85*	
		For Single Phase Transformers, Deduct	*-3,157.62*	
		For Dry Type Unit, Add	*28,301.83*	
26 11 16 11-0069	EA	2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	171,137.06	2,702.61
		For Gas Filled Transformers, Add	*99,439.09*	
		For Single Phase Transformers, Deduct	*-4,143.30*	
		For Dry Type Unit, Add	*37,001.52*	
26 11 16 11-0070	EA	2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	188,007.10	2,831.32
		For Gas Filled Transformers, Add	*109,406.68*	
		For Single Phase Transformers, Deduct	*-4,558.61*	
		For Dry Type Unit, Add	*40,682.05*	
26 11 16 11-0071	EA	3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	210,079.27	2,960.01
		For Gas Filled Transformers, Add	*122,495.55*	
		For Single Phase Transformers, Deduct	*-5,103.98*	
		For Dry Type Unit, Add	*45,507.04*	
26 11 16 11-0072	EA	3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	242,535.98	3,088.71
		For Gas Filled Transformers, Add	*141,815.14*	
		For Single Phase Transformers, Deduct	*-5,908.96*	
		For Dry Type Unit, Add	*52,616.63*	
26 11 16 11-0073		**Primary 13.8 KV (Delta Or Wye) Secondary 208 Y/120 Or 240 Volt** *(26 11 16 11-0049)*		
26 11 16 11-0074	EA	112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	71,147.85	1,158.26
		For Gas Filled Transformers, Add	*41,298.79*	
		For Single Phase Transformers, Deduct	*-1,720.78*	
		For Dry Type Unit, Add	*15,374.54*	
26 11 16 11-0075	EA	150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	73,538.91	1,222.61
		For Gas Filled Transformers, Add	*42,656.21*	
		For Single Phase Transformers, Deduct	*-1,777.34*	
		For Dry Type Unit, Add	*15,885.13*	
26 11 16 11-0076	EA	225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	78,561.56	1,415.66
		For Gas Filled Transformers, Add	*45,438.14*	
		For Single Phase Transformers, Deduct	*-1,893.26*	
		For Dry Type Unit, Add	*16,943.78*	
26 11 16 11-0077	EA	300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	82,896.48	1,544.35
		For Gas Filled Transformers, Add	*47,884.66*	
		For Single Phase Transformers, Deduct	*-1,995.19*	
		For Dry Type Unit, Add	*17,866.58*	
26 11 16 11-0078	EA	500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	94,486.35	1,801.74
		For Gas Filled Transformers, Add	*54,529.72*	
		For Single Phase Transformers, Deduct	*-2,272.07*	
		For Dry Type Unit, Add	*20,354.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0079	EA	750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	104,649.09	2,059.14
		For Gas Filled Transformers, Add	*60,318.49*	
		For Single Phase Transformers, Deduct	*-2,513.27*	
		For Dry Type Unit, Add	*22,528.61*	
26 11 16 11-0080	EA	1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	122,158.87	2,445.22
		For Gas Filled Transformers, Add	*70,361.05*	
		For Single Phase Transformers, Deduct	*-2,931.71*	
		For Dry Type Unit, Add	*26,288.10*	
26 11 16 11-0081	EA	1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	148,289.75	2,702.61
		For Gas Filled Transformers, Add	*85,730.71*	
		For Single Phase Transformers, Deduct	*-3,572.11*	
		For Dry Type Unit, Add	*31,975.12*	
26 11 16 11-0082	EA	2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	179,667.89	2,831.32
		For Gas Filled Transformers, Add	*104,403.16*	
		For Single Phase Transformers, Deduct	*-4,350.13*	
		For Dry Type Unit, Add	*38,847.42*	
26 11 16 11-0083		Primary 13.8 KV (Delta Or Wye) Secondary 480 Y/277 Or 480 Volt *(26 11 16 11-0049)*		
26 11 16 11-0084	EA	112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	71,147.85	1,158.26
		For Gas Filled Transformers, Add	*41,298.79*	
		For Single Phase Transformers, Deduct	*-1,720.78*	
		For Dry Type Unit, Add	*15,374.54*	
26 11 16 11-0085	EA	150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	73,538.91	1,222.61
		For Gas Filled Transformers, Add	*42,656.21*	
		For Single Phase Transformers, Deduct	*-1,777.34*	
		For Dry Type Unit, Add	*15,885.13*	
26 11 16 11-0086	EA	225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	78,561.56	1,415.66
		For Gas Filled Transformers, Add	*45,438.14*	
		For Single Phase Transformers, Deduct	*-1,893.26*	
		For Dry Type Unit, Add	*16,943.78*	
26 11 16 11-0087	EA	300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	82,896.48	1,544.35
		For Gas Filled Transformers, Add	*47,884.66*	
		For Single Phase Transformers, Deduct	*-1,995.19*	
		For Dry Type Unit, Add	*17,866.58*	
26 11 16 11-0088	EA	500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	94,486.35	1,801.74
		For Gas Filled Transformers, Add	*54,529.72*	
		For Single Phase Transformers, Deduct	*-2,272.07*	
		For Dry Type Unit, Add	*20,354.58*	
26 11 16 11-0089	EA	750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	91,495.77	2,059.14
		For Gas Filled Transformers, Add	*52,426.50*	
		For Single Phase Transformers, Deduct	*-2,184.44*	
		For Dry Type Unit, Add	*19,634.88*	
26 11 16 11-0090	EA	1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	95,136.84	2,445.22
		For Gas Filled Transformers, Add	*54,147.83*	
		For Single Phase Transformers, Deduct	*-2,256.16*	
		For Dry Type Unit, Add	*20,343.25*	
26 11 16 11-0091	EA	1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	117,330.24	2,702.61
		For Gas Filled Transformers, Add	*67,155.00*	
		For Single Phase Transformers, Deduct	*-2,798.13*	
		For Dry Type Unit, Add	*25,164.02*	
26 11 16 11-0092	EA	2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	139,540.28	2,831.32
		For Gas Filled Transformers, Add	*80,326.59*	
		For Single Phase Transformers, Deduct	*-3,346.94*	
		For Dry Type Unit, Add	*30,019.35*	
26 11 16 11-0093	EA	2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	156,208.87	2,960.01
		For Gas Filled Transformers, Add	*90,173.31*	
		For Single Phase Transformers, Deduct	*-3,757.22*	
		For Dry Type Unit, Add	*33,655.55*	
26 11 16 11-0094	EA	3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	183,808.12	3,088.71
		For Gas Filled Transformers, Add	*106,578.43*	
		For Single Phase Transformers, Deduct	*-4,440.77*	
		For Dry Type Unit, Add	*39,696.50*	
26 11 16 11-0095	EA	3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	226,022.16	3,217.40
		For Gas Filled Transformers, Add	*131,752.42*	
		For Single Phase Transformers, Deduct	*-5,489.68*	
		For Dry Type Unit, Add	*48,952.70*	

26 12 Medium-Voltage Transformers *(26 10)*

26 12 13 Liquid-Filled, Medium-Voltage Transformers *(26 12)*

26 12 13 00-0001 Removal And Relocation Of Transformers *(26 12 13)*

26 12 13 00-0002	EA	Removal And Relocation Of Up To 37.5 KVA Oil Filled Transformer	1,314.95	
26 12 13 00-0003	EA	Removal And Relocation Of >37.5 To 100 KVA Oil Filled Transformers	2,419.88	

26 12 13 00-0004 Single Phase Oil Filled Distribution Transformers *(26 12 13)*

Note: Self-protected type, CSP, external secondary breaker handle, external tap changer.

26 12 13 00-0005 Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt, 4-2.5 Percent Taps FCBN, Class A, 95 KV BIL. Rated To 5 KVA *(26 12 13 00-0004)*

26 12 13 00-0006	EA	10 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	7,785.64	527.44
26 12 13 00-0007	EA	15 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	9,312.36	659.29

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 13 00-0008	EA	25 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	10,798.03	791.16
26 12 13 00-0009	EA	37.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	14,016.43	988.95
26 12 13 00-0010	EA	50 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	16,622.47	1,186.74
26 12 13 00-0011	EA	75 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	23,366.08	1,384.53
26 12 13 00-0012	EA	100 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	27,667.30	1,648.25
26 12 13 00-0013		**Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt, 2-2.5 Percent Taps FCAN And FCBN. Rated To 5 KVA** *(26 12 13 00-0004)*		
26 12 13 00-0014	EA	10 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	7,785.64	527.44
26 12 13 00-0015	EA	15 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	9,497.18	659.29
26 12 13 00-0016	EA	25 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	10,798.03	791.16
26 12 13 00-0017	EA	37.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	14,016.43	988.95
26 12 13 00-0018	EA	50 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	16,622.47	1,186.74
26 12 13 00-0019	EA	75 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	21,466.29	1,384.53
26 12 13 00-0020	EA	100 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	26,702.56	1,648.25
26 12 13 00-0021		**Primary 13.8/14.4 KV Ground Y Secondary 120/240V 2-2.5 Percent Taps FCBN And FCAN** *(26 12 13 00-0004)*		
26 12 13 00-0022	EA	10 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	7,570.01	527.44
26 12 13 00-0023	EA	15 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	8,727.07	659.29
26 12 13 00-0024	EA	25 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	10,219.18	791.16
26 12 13 00-0025	EA	37.5 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	13,882.85	988.95
26 12 13 00-0026	EA	50 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	16,058.47	1,186.74
26 12 13 00-0027	EA	75 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	21,822.50	1,384.53
26 12 13 00-0028	EA	100 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	26,791.61	1,648.25
26 12 13 00-0029		**Primary 13.8/14.4 KV Ground Y Secondary 240/480 Volt, 2-2.5 Percent Taps FCBN And FCAN** *(26 12 13 00-0004)*		
26 12 13 00-0030	EA	10 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	8,571.16	527.44
26 12 13 00-0031	EA	15 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	9,759.02	659.29
26 12 13 00-0032	EA	25 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	12,922.69	791.16
26 12 13 00-0033	EA	37.5 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	16,289.52	988.95
26 12 13 00-0034	EA	50 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	18,756.38	1,186.74
26 12 13 00-0035	EA	75 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	25,812.52	1,384.53
26 12 13 00-0036	EA	100 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	33,232.83	1,648.25
26 12 13 00-0037		**Transformer Platforms** *(26 12 13 00-0004)*		
26 12 13 00-0038	EA	Transformer Platforms, 75 - 167 KVA	5,650.84	890.71
26 12 13 00-0039		**Primary 24.9 KV, Ground Y Secondary 240/480 Volt, 2-2.5 Percent Tops FCBN Auto FCAN** *(26 12 13 00-0004)*		
26 12 13 00-0040	EA	10 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	9,484.09	527.44
26 12 13 00-0041	EA	15 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	10,587.94	659.29
26 12 13 00-0042	EA	25 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	12,923.96	791.16
26 12 13 00-0043	EA	37.5 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	16,287.96	988.95
26 12 13 00-0044	EA	50 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	18,887.71	1,252.67
26 12 13 00-0045	EA	75 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	25,816.39	1,384.53
26 12 13 00-0046	EA	100 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	33,232.83	1,648.25
26 12 13 00-0047	EA	167 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	44,517.34	2,109.76
26 12 13 00-0048	EA	250 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	56,889.39	2,834.98
26 12 13 00-0049	EA	333 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	66,661.68	3,296.49
26 12 13 00-0050	EA	500 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	85,111.72	3,560.21
26 12 13 00-0051		**Primary 4.8 KV Ground Y Secondary 120/240V 4-2.5 Percent Taps FCBN, Class A, 95 KV BIL** *(26 12 13 00-0004)*		
26 12 13 00-0052	EA	10 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	7,785.64	645.85
26 12 13 00-0053	EA	15 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	9,312.36	807.24
26 12 13 00-0054	EA	25 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	10,797.49	967.71
26 12 13 00-0055	EA	37.5 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	14,017.71	1,212.71
26 12 13 00-0056	EA	50 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	16,621.26	1,452.70
26 12 13 00-0057	EA	75 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	23,364.42	1,691.89
26 12 13 00-0058	EA	100 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	27,667.30	2,018.24
26 12 13 00-0059		**Primary 4.8 KV Ground Y Secondary 120/240V 2-2.5 Percent Taps FCAN And FCBN** *(26 12 13 00-0004)*		
26 12 13 00-0060	EA	10 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	7,785.64	645.85
26 12 13 00-0061	EA	15 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	9,497.18	807.24
26 12 13 00-0062	EA	25 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	10,797.49	967.71
26 12 13 00-0063	EA	37.5 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	14,017.71	1,212.71
26 12 13 00-0064	EA	50 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	16,621.26	1,452.70
26 12 13 00-0065	EA	75 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	21,464.63	1,691.89

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 13 00-0066	EA	100 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	26,702.56	2,018.24
26 12 13 00-0067		**Primary 7.2 To 14.4 KV Ground Y** *(26 12 13 00-0004)*		
26 12 13 00-0068		**Primary 7.2 To 14.4 KV Ground Y Secondary 120 / 240 V 2-2.5 Percent Taps FCBN And FCAN** *(26 12 13 00-0067)*		
26 12 13 00-0069	EA	10 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	6,165.61	527.44
26 12 13 00-0070	EA	15 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	7,325.47	659.29
26 12 13 00-0071	EA	25 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	8,441.50	791.16
26 12 13 00-0072	EA	37.5 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	11,082.05	988.95
26 12 13 00-0073	EA	50 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	13,924.47	1,186.74
26 12 13 00-0074	EA	75 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	22,366.36	1,384.53
26 12 13 00-0075	EA	100 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	25,699.73	1,648.25
26 12 13 00-0076		**Primary 7.2 To 14.4 KV Ground Y Secondary 240 / 480 V 2-2.5 Pct Taps FCBN And FCAN** *(26 12 13 00-0067)*		
26 12 13 00-0077	EA	10 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	5,675.54	527.44
26 12 13 00-0078	EA	15 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	6,709.38	659.29
26 12 13 00-0079	EA	25 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	8,161.46	791.16
26 12 13 00-0080	EA	37.5 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	10,521.97	988.95
26 12 13 00-0081	EA	50 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	13,154.36	1,186.74
26 12 13 00-0082	EA	75 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	19,565.95	1,384.53
26 12 13 00-0083	EA	100 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	22,899.33	1,648.25
26 12 16		**Dry-Type, Medium-Voltage Transformers** *(26 12)*		
26 12 16 00-0001		**Removal and Relocation of Transformers** *(26 12 16)*		
26 12 16 00-0002	EA	Removal And Relocation Of Up To 37.5 KVA "Dry Type" Transformer	534.08	
26 12 16 00-0003	EA	Removal And Relocation Of >37.5 To 112.5 KVA "Dry Type" Transformer	2,373.73	
26 12 19		**Pad-Mounted, Liquid-Filled, Medium-Voltage Transformers** *(26 12)*		
26 12 19 00-0001		**Single Phase Pad Mounted Oil Filled Distribution Transformers** *(26 12 19)* Note: Designed for residential and multi-family buildings. UL listed.		
26 12 19 00-0002		**Mini Pak - Single Phase KVA 25 Thru 167 - 95 KV BIL.- Oil Filled** *(26 12 19 00-0001)* Note: Self actuating pressure relief device, taps, 4-1/2 % below or 2-1/2 % above and below. Designed for loop feed grounded wye distribution system.		
26 12 19 00-0003		**Primary, 4.16/4.8 KV Ground Y Or Delta** *(26 12 19 00-0002)* Note: 2.4 To 24.94 KV ground Y / 14.4 KV secondary - 240/120 Volt, 480/240 Volt, 277 V. Rated to 5 KVA.		
26 12 19 00-0004	EA	25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	18,718.67	643.48
26 12 19 00-0005	EA	37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	20,296.80	772.18
26 12 19 00-0006	EA	50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	24,213.94	900.87
26 12 19 00-0007	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	30,104.48	965.22
26 12 19 00-0008	EA	100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	34,240.77	1,029.57
26 12 19 00-0009	EA	167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	44,804.89	1,351.31
26 12 19 00-0010		**Factory Modifications Material Cost Only** *(26 12 19 00-0002)*		
26 12 19 00-0011	EA	Loadbreaker Current Limiting Fuse Factory Modifications	4,173.93	
26 12 19 00-0012	EA	Loadbreaker Oil Switch, 2 Position Factory Modifications	4,385.65	
26 12 19 00-0013	EA	Loadbreaker Inserts, Factory Modifications	4,824.22	
26 12 19 00-0014		**Distribution - Single Phase Multiple Building Transformer** *(26 12 19 00-0001)* Note: KVA 25 to 250, KVA BIL-95, 125, 150 standard features. Oil filled, self-actuating pressure relief device, lighting arrester mounted. Pad HV/LV barrier, etc. with taps 4-1/2 % below or 2-1/2 % above and below.		
26 12 19 00-0015		**Primary, 4.16/4.8 KVA Ground Y Or Delta** *(26 12 19 00-0014)* Note: 2.4 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.		
26 12 19 00-0016	EA	25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	23,767.50	643.48
26 12 19 00-0017	EA	37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	26,663.25	643.48
26 12 19 00-0018	EA	50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	28,568.99	881.56
26 12 19 00-0019	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	35,856.71	881.56
26 12 19 00-0020	EA	100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	40,284.40	1,158.26
26 12 19 00-0021	EA	167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	48,276.60	1,158.26

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0022	EA	250 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	78,482.14	1,608.71
26 12 19 00-0023		**Factory Modifications Material Cost Only** *(26 12 19 00-0014)*		
26 12 19 00-0024	EA	Loadbreaker Current Limiting Fuse Factory Modifications	5,565.24	
26 12 19 00-0025	EA	Lightning Arrestors, Factory Modifications	1,410.08	
26 12 19 00-0026	EA	Loadbreaker Oil Switch, 2 Position Factory Modifications	4,385.65	
26 12 19 00-0027	EA	Loop Feed Air Switch, Factory Modifications	7,138.03	
26 12 19 00-0028	EA	Loadbreaker Inserts (Two), Factory Modifications	1,905.49	
26 12 19 00-0029	EA	Bay-O-Net Fuse 25 Thru 167 KVA Factory Modifications	1,648.40	
26 12 19 00-0030		**Primary, 12.47 KV Ground Y Or Delta** *(26 12 19 00-0014)* Note: 7.2 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.		
26 12 19 00-0031	EA	25 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	25,818.62	643.48
26 12 19 00-0032	EA	37.5 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	27,356.37	643.48
26 12 19 00-0033	EA	50 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	28,300.70	881.56
26 12 19 00-0034	EA	75 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	34,233.54	881.56
26 12 19 00-0035	EA	100 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	43,674.39	1,158.26
26 12 19 00-0036	EA	167 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	54,275.37	1,158.40
26 12 19 00-0037	EA	250 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	68,929.43	1,608.71
26 12 19 00-0038		**Oil Filled Distribution Transformer Single Phase Cluster Mounted** *(26 12 19 00-0001)* Note: Conventional type.		
26 12 19 00-0039		**13.8/14.4 KV Ground Y Or Delta Primary 120/240V** *(26 12 19 00-0038)* Note: 2.5 Taps FCBN and FCAN.		
26 12 19 00-0040	EA	10 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	17,131.22	446.03
26 12 19 00-0041	EA	37.5 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	21,128.47	627.23
26 12 19 00-0042	EA	50 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	32,462.17	1,003.57
26 12 19 00-0043	EA	100 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	58,744.46	1,003.57
26 12 19 00-0044	EA	167 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	81,129.03	1,644.74
26 12 19 00-0045	EA	250 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	109,471.28	1,644.74
26 12 19 00-0046		**Oil Filled Distribution Transformer Single Phase** *(26 12 19 00-0001)*		
26 12 19 00-0047		**7.2 KV Primary, 120/240 Volt Secondary** *(26 12 19 00-0046)*		
26 12 19 00-0048	EA	10 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	16,585.11	473.91
26 12 19 00-0049	EA	15 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	18,090.14	473.91
26 12 19 00-0050	EA	25 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	21,382.63	669.05
26 12 19 00-0051	EA	37.5 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	27,439.76	669.05
26 12 19 00-0052	EA	50 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	31,585.12	906.00
26 12 19 00-0053	EA	100 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	57,349.77	1,393.85
26 12 19 00-0054	EA	167 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	80,036.82	1,393.85
26 12 19 00-0055	EA	250 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	107,785.35	1,742.31
26 12 19 00-0056		**7.2 KV Primary, 240/480 Volt Secondary** *(26 12 19 00-0046)*		
26 12 19 00-0057	EA	10 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	16,585.11	473.91
26 12 19 00-0058	EA	15 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	18,090.70	473.91
26 12 19 00-0059	EA	25 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	21,382.63	669.05
26 12 19 00-0060	EA	37.5 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	27,439.76	669.05
26 12 19 00-0061	EA	50 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	31,585.12	906.00
26 12 19 00-0062	EA	75 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	49,208.59	1,226.58
26 12 19 00-0063	EA	100 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	57,349.77	1,226.58
26 12 19 00-0064	EA	167 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	80,036.82	1,547.17
26 12 19 00-0065	EA	250 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	107,785.35	1,742.31
26 12 19 00-0066		**2.4 KV Primary, 277 Volt Secondary** *(26 12 19 00-0046)*		
26 12 19 00-0067	EA	10 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	18,298.85	473.91
26 12 19 00-0068	EA	15 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	19,957.77	473.91
26 12 19 00-0069	EA	25 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	23,596.91	669.05
26 12 19 00-0070	EA	37.5 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	30,268.42	669.05
26 12 19 00-0071	EA	50 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	34,837.06	906.00
26 12 19 00-0072	EA	75 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	54,127.12	1,226.58
26 12 19 00-0073	EA	100 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	63,338.60	1,226.58
26 12 19 00-0074	EA	167 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	88,442.66	1,547.17
26 12 19 00-0075	EA	250 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	119,180.46	1,742.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0076		**2.4 KV Primary, 120/240 Volt Secondary** *(26 12 19 00-0046)*		
26 12 19 00-0077	EA	10 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	16,585.11	473.91
26 12 19 00-0078	EA	15 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	18,090.14	473.91
26 12 19 00-0079	EA	25 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	21,382.63	910.32
26 12 19 00-0080	EA	37.5 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	27,439.76	1,226.58
26 12 19 00-0081	EA	50 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	31,585.12	906.00
26 12 19 00-0082	EA	75 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	49,015.31	1,226.58
26 12 19 00-0083	EA	100 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	57,338.57	1,226.58
26 12 19 00-0084		**2.4 KV Primary, 240/480 Volt Secondary** *(26 12 19 00-0046)*		
26 12 19 00-0085	EA	10 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	16,585.11	473.91
26 12 19 00-0086	EA	15 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	18,090.14	473.91
26 12 19 00-0087	EA	25 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	21,382.63	669.05
26 12 19 00-0088	EA	37.5 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	27,439.76	669.05
26 12 19 00-0089	EA	50 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	31,585.12	906.00
26 12 19 00-0090	EA	75 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	49,015.31	1,226.58
26 12 19 00-0091	EA	100 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	57,338.57	1,226.58
26 12 19 00-0092		**2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary** *(26 12 19 00-0046)*		
26 12 19 00-0093	EA	10 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	13,921.56	487.84
26 12 19 00-0094	EA	15 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	15,081.92	543.60
26 12 19 00-0095	EA	25 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	18,478.46	599.35
26 12 19 00-0096	EA	37 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	23,336.96	836.31
26 12 19 00-0097	EA	50 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	25,910.74	975.70
26 12 19 00-0098	EA	75 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	36,312.98	1,142.96
26 12 19 00-0099	EA	100 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	43,867.95	1,310.22
26 12 19 00-0100	EA	167 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	69,610.38	1,672.62
26 12 19 00-0101	EA	250 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	97,258.08	1,881.70
26 12 19 00-0102		**3 Phase Pad Mounted Oil Filled Distribution Transformers** *(26 12 19)*		
26 12 19 00-0103		**Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt** *(26 12 19 00-0102)* Note: 4-2.5 Percent taps FCBN, Class A, 95 KV BIL.		
26 12 19 00-0104	EA	112.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	28,367.77	1,846.03
26 12 19 00-0105	EA	150 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	35,707.61	1,977.89
26 12 19 00-0106	EA	225 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	47,467.38	2,505.34
26 12 19 00-0107	EA	300 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	62,031.02	3,164.63
26 12 19 00-0108	EA	500 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	92,033.86	3,560.21
26 12 19 00-0109	EA	750 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	115,496.97	4,746.95
26 12 19 00-0110		**Pad Mounted Commercial Type Distribution Transformers UL Listed** *(26 12 19)*		
26 12 19 00-0111		**Distribution 3 Phase Oil Filled Transformer** *(26 12 19 00-0110)* Note: Designed for loads as shopping centers, institutions, and industrial plants with underground distribution. KVA-75 thru 1000, 3 phase 95 thru 150 KV BIL standard features. With taps 4-1/2 percent below - 2-1/2 percent above and below.		
26 12 19 00-0112		**Factory Modifications** *(26 12 19 00-0111)* Note: For use with series 4100 3 phase transformers.		
26 12 19 00-0113	EA	Current Limiting Fuse 95 KV Series 4100, 3 Phase Transformer, Factory Modification	3,183.39	
26 12 19 00-0114	EA	Lightning Arrestors 9-10 KV Series 4100, 3 Phase Transformer, Factory Modification	517.65	
26 12 19 00-0115	EA	Loadbreaker Oil Switch, 2 Position Series 4100, 3 Phase Transformer, Factory Modification	2,070.62	
26 12 19 00-0116	EA	Loop Feed Air Switch Series 4100, 3 Phase Transformer, Factory Modification	5,965.57	
26 12 19 00-0117	EA	Loadbreaker Inserts Series 4100, 3 Phase Transformer, Factory Modification	730.81	
26 12 19 00-0118	EA	Lightning Arrestors, 15 KV Series 4100, 3 Phase Transformer, Factory Modification	578.56	
26 12 19 00-0119		**Accessories For Transformer Liquid Containment Area** *(26 12 19 00-0111)* Note: Reinforced concrete curb with 6" slab.		
26 12 19 00-0120	EA	Containment Area For 75 KVA	8,008.19	2,274.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,516.35*	
26 12 19 00-0121	EA	Containment Area For 112.5 KVA	8,008.19	2,274.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,516.35*	
26 12 19 00-0122	EA	Containment Area For 150 KVA	8,008.19	2,274.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,516.35*	
26 12 19 00-0123	EA	Containment Area For 225 KVA	8,008.19	2,274.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,516.35*	
26 12 19 00-0124	EA	Containment Area For 300 KVA	8,000.03	2,274.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,513.91*	
26 12 19 00-0125	EA	Containment Area For 500 KVA	8,000.03	2,274.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,513.91*	
26 12 19 00-0126	EA	Containment Area For 750 KVA	8,085.29	2,274.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,513.91*	
26 12 19 00-0127	EA	Containment Area For 1,000 KVA	9,321.57	2,274.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,513.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0128		**Primary 4.16 / 4.8 KV, Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 95 KV BIL** *(26 12 19 00-0111)* Note: Rated to 5 KVA.		
26 12 19 00-0129	EA	45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	19,138.45	1,544.35
26 12 19 00-0130	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	20,965.46	1,544.35
26 12 19 00-0131	EA	112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	22,183.47	1,544.35
26 12 19 00-0132	EA	150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	25,837.51	1,544.35
26 12 19 00-0133	EA	225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	27,483.55	2,316.53
26 12 19 00-0134	EA	300 KVA, Primary4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	28,701.56	2,316.53
26 12 19 00-0135	EA	500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	43,317.70	2,316.53
26 12 19 00-0136	EA	750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	55,329.04	3,088.71
26 12 19 00-0137	EA	1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	71,163.18	3,088.71
26 12 19 00-0138		**Primary 4.16 / 4.8 KV, Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 95 BIL** *(26 12 19 00-0111)* Note: Rated to 5 KVA.		
26 12 19 00-0139	EA	45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	19,747.45	1,544.35
26 12 19 00-0140	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	22,183.47	1,544.35
26 12 19 00-0141	EA	112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	22,792.48	1,544.35
26 12 19 00-0142	EA	150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	23,401.48	1,544.35
26 12 19 00-0143	EA	225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	27,483.55	2,316.53
26 12 19 00-0144	EA	300 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	29,919.58	2,316.53
26 12 19 00-0145	EA	500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	43,317.70	2,316.53
26 12 19 00-0146	EA	750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	55,938.04	3,088.71
26 12 19 00-0147	EA	1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	71,163.18	3,088.71
26 12 19 00-0148		**Primary 5 KV Or 15 KV, Secondary 277/480 Volt** *(26 12 19 00-0110)* Note: 4-2.5 Percent taps FCAN and FCBN. Pad mounted.		
26 12 19 00-0149	EA	150 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	67,795.35	2,030.64
26 12 19 00-0150	EA	225 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	73,885.97	2,397.21
26 12 19 00-0151	EA	300 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	82,739.02	2,929.92
26 12 19 00-0152	EA	500 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	98,730.99	3,296.49
26 12 19 00-0153	EA	750 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	121,939.30	3,469.88
26 12 19 00-0154	EA	1,000 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	146,618.14	5,070.01
26 12 19 00-0155	EA	1,500 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	172,809.97	5,735.90
26 12 19 00-0156	EA	2,000 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	216,859.45	6,592.98
26 12 19 00-0157	EA	2,500 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	240,311.18	6,922.63
26 12 19 00-0158	EA	3,000 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	253,054.15	7,714.06
26 12 19 00-0159	EA	3,750 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	291,510.94	8,241.49
26 12 19 00-0160		**Pad Mounted Transformer 15 KV - 480 Volt, Oil Filled** *(26 12 19 00-0110)*		
26 12 19 00-0161	EA	1,500 KVA, 15 KV - 480 Volt, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	125,310.15	5,735.34
26 12 19 00-0162	EA	2,000 KVA, 15 KV - 480 Volt, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	154,578.96	6,595.68
26 12 19 00-0163	EA	2,500 KVA, 15 KV - 480 Volt, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	176,226.35	6,942.77
26 12 19 00-0164	EA	3,000 KVA, 15 KV - 480 Volt, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	186,856.15	7,759.60
26 12 19 00-0165	EA	3,750 KVA, 15 KV - 480 Volt, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	210,072.09	7,994.73
26 12 19 00-0166		**Silicone Filled Distribution Transformers, 3 Phase** *(26 12 19 00-0110)* Note: Primary 5 KV or 15 KV, secondary 277/480 V, 4-2.5 percent taps FCAN and FCBN. Pad mounted.		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0167	EA	225 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	118,264.30	2,397.21
26 12 19 00-0168	EA	300 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	126,581.27	2,929.92
26 12 19 00-0169	EA	500 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	148,445.26	3,296.49
26 12 19 00-0170	EA	750 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	180,461.61	3,469.88
26 12 19 00-0171	EA	1,000 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	215,334.03	5,070.01
26 12 19 00-0172	EA	1,500 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	274,646.71	5,735.90
26 12 19 00-0173	EA	2,000 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	334,497.87	6,592.98
26 12 19 00-0174	EA	2,500 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	383,314.05	6,922.63

26 13 Medium-Voltage Switchgear *(26 10)*

26 13 16 Medium-Voltage Fusible Interrupter Switchgear *(26 13)*

26 13 16 00-0001 "Switchyard", Substation Secondary Distribution Section *(26 13 16)*

Note: Medium voltage, metal clad switchgear, 3 phase, 3 wire with ground. Includes breaker element, housing, control switch two lamps - 3 cable terminals.

26 13 16 00-0002 4.16 Or 4.8 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section *(26 13 16 00-0001)*

26 13 16 00-0003	EA	1,200 Amperes, 75 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	17,587.13	1,449.61
		For Weatherproofing, Add	*3,665.90*	
26 13 16 00-0004	EA	1,200 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	18,484.55	1,449.61
		For Weatherproofing, Add	*3,863.33*	
26 13 16 00-0005	EA	1,200 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	25,262.02	1,846.86
		For Weatherproofing, Add	*5,313.11*	
26 13 16 00-0006	EA	2,000 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	34,567.93	1,846.86
		For Weatherproofing, Add	*7,329.32*	
26 13 16 00-0007	EA	2,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	49,752.65	2,230.16
		For Weatherproofing, Add	*10,632.86*	
26 13 16 00-0008	EA	3,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	45,296.60	2,230.16
		For Weatherproofing, Add	*9,636.74*	

26 13 16 00-0009 7.2 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section *(26 13 16 00-0001)*

26 13 16 00-0010	EA	1,200 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	26,441.05	1,672.62
		For Weatherproofing, Add	*5,592.73*	
26 13 16 00-0011	EA	2,000 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	32,425.17	2,090.77
		For Weatherproofing, Add	*6,840.54*	
26 13 16 00-0012	EA	3,000 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	45,765.40	2,508.93
		For Weatherproofing, Add	*9,726.04*	

26 13 16 00-0013 13.8 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section *(26 13 16 00-0001)*

26 13 16 00-0014	EA	1,200 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	25,434.02	1,672.62
		For Weatherproofing, Add	*5,352.77*	
26 13 16 00-0015	EA	1,200 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	35,143.34	1,672.62
		For Weatherproofing, Add	*7,448.73*	
26 13 16 00-0016	EA	1,200 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	51,548.51	2,230.16
		For Weatherproofing, Add	*11,012.16*	
26 13 16 00-0017	EA	2,000 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	31,985.43	2,230.16
		For Weatherproofing, Add	*6,727.05*	
26 13 16 00-0018	EA	2,000 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	46,696.52	2,787.70
		For Weatherproofing, Add	*9,923.52*	
26 13 16 00-0019	EA	2,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	65,589.75	2,787.70
		For Weatherproofing, Add	*14,037.90*	
26 13 16 00-0020	EA	3,000 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	44,897.72	2,787.70
		For Weatherproofing, Add	*9,516.13*	
26 13 16 00-0021	EA	3,000 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	62,504.83	2,787.70
		For Weatherproofing, Add	*13,349.54*	
26 13 16 00-0022	EA	3,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	81,220.31	2,787.70
		For Weatherproofing, Add	*17,428.97*	

26 13 16 00-0023 4.16 Or 4.8 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section *(26 13 16 00-0001)*

26 13 16 00-0024	EA	1,200 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	7,803.79	912.97
		For Weatherproofing, Add	*1,588.79*	
26 13 16 00-0025	EA	1,200 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	10,236.71	912.97
		For Weatherproofing, Add	*2,124.03*	

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LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 13 16 00-0026	EA	2,000 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	11,028.52	1,212.65
		For Weatherproofing, Add	*2,256.88*	
26 13 16 00-0027	EA	2,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	13,666.44	1,498.39
		For Weatherproofing, Add	*2,796.79*	
26 13 16 00-0028	EA	3,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	18,590.48	1,498.39
		For Weatherproofing, Add	*3,880.08*	
26 13 16 00-0029		**7.2 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section** *(26 13 16 00-0001)*		
26 13 16 00-0030	EA	1,200 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	9,912.12	1,393.85
		For Weatherproofing, Add	*2,034.82*	
26 13 16 00-0031	EA	2,000 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	12,978.73	1,393.85
		For Weatherproofing, Add	*2,668.41*	
26 13 16 00-0032	EA	3,000 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	19,938.52	1,393.85
		For Weatherproofing, Add	*4,159.04*	
26 13 16 00-0033		**13.8 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section** *(26 13 16 00-0001)*		
26 13 16 00-0034	EA	1,200 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	10,187.09	1,184.77
		For Weatherproofing, Add	*2,076.07*	
26 13 16 00-0035	EA	1,200 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	10,891.21	1,184.77
		For Weatherproofing, Add	*2,230.97*	
26 13 16 00-0036	EA	1,200 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	15,678.98	1,463.54
		For Weatherproofing, Add	*3,243.53*	
26 13 16 00-0037	EA	2,000 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	13,828.34	1,756.25
		For Weatherproofing, Add	*2,795.85*	
26 13 16 00-0038	EA	2,000 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	17,146.42	1,756.25
		For Weatherproofing, Add	*3,525.83*	
26 13 16 00-0039	EA	2,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	19,704.60	2,048.96
		For Weatherproofing, Add	*4,047.20*	
26 13 16 00-0040	EA	3,000 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	18,319.70	2,341.67
		For Weatherproofing, Add	*3,701.82*	
26 13 16 00-0041	EA	3,000 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	20,593.35	2,341.67
		For Weatherproofing, Add	*4,202.02*	
26 13 16 00-0042	EA	3,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	25,454.70	2,620.44
		For Weatherproofing, Add	*5,230.45*	
26 13 16 00-0043		**Accessories For Substation Secondary Distribution Sections** *(26 13 16 00-0001)*		
26 13 16 00-0044	EA	1,200 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section	4,855.99	883.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*529.98*	
26 13 16 00-0045	EA	2,000 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section	6,110.57	980.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*588.12*	
26 13 16 00-0046	EA	3,000 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section	8,008.39	1,179.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*707.54*	
26 13 16 00-0047	EA	3-Phase Pothead Termination Accessories, Secondary Distribution Section	4,733.03	1,773.39
26 13 16 00-0048	EA	5 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section	6,365.24	115.18
26 13 16 00-0049	EA	5 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section	8,514.34	115.18
26 13 16 00-0050	EA	5 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section	15,622.18	115.18
26 13 16 00-0051	EA	15 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section	12,269.38	115.18
26 13 16 00-0052	EA	15 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section	13,397.53	115.18
26 13 16 00-0053	EA	15 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section	18,250.10	115.18
26 13 16 00-0054	EA	6 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section	2,863.39	115.18
26 13 16 00-0055	EA	9 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section	3,241.14	115.18
26 13 16 00-0056	EA	15 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section	4,942.04	115.18
26 13 16 00-0057	EA	Overcurrent Phase Protection, Time And Instantaneous Device 67	3,150.27	115.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*69.11*	
26 13 16 00-0058	EA	AC Ammeter With Switch	1,210.47	115.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*69.11*	
26 13 16 00-0059	EA	AC Voltmeter With Switch And Potential Transformer	1,210.47	115.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*69.11*	
26 13 16 00-0060	EA	Indicating Wattmeter	1,806.70	115.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*69.11*	
26 13 16 00-0061	EA	Indicating Varmeter	2,137.49	115.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*69.11*	
26 13 16 00-0062	EA	Indicating Watt-hour Meter, 2 Element	1,328.90	115.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*69.11*	
26 13 16 00-0063	EA	Ground Protection, Time Or Instantaneous Device 67N	2,907.92	115.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*69.11*	
26 13 16 00-0064	EA	Differential Generator Protection Single Phase NEMA Device 87	6,016.08	115.18
26 13 16 00-0065	EA	Current Transformers 5 And 15 KV Single Secondary	809.24	115.18
26 13 16 00-0066	EA	Potential Transformers 5 KV And 15 KV With Primary Fuses	4,002.76	115.18

26 13 19 Medium-Voltage Vacuum Interrupter Switchgear *(26 13)*

26 13 19 00-0001 Vacuum Circuit Breakers 13.8 KV *(26 13 19)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 13 19 00-0002	EA	1,200 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	64,714.56	1,742.31
26 13 19 00-0003	EA	1,200 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	71,432.06	2,202.28
26 13 19 00-0004	EA	1,200 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	81,085.31	2,202.28
26 13 19 00-0005	EA	2,000 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	74,235.15	1,742.31
26 13 19 00-0006	EA	2,000 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	83,576.99	1,742.31
26 13 19 00-0007	EA	2,000 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	95,249.33	2,048.96
26 13 19 00-0008	EA	3,000 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	98,209.84	2,341.67
26 13 19 00-0009	EA	3,000 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	107,599.12	2,341.67
26 13 19 00-0010	EA	3,000 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	117,548.34	2,634.38

26 13 29 Medium-Voltage Compartmentalized Switchgear *(26 13)*

26 13 29 00-0001 Substation Secondary Distribution Section *(26 13 29)*

Note: Low voltage drawout switchgear 277/480 volt, 3 phase 4 wire.

26 13 29 00-0002 Switchgear Compartment Complete With Air Circuit Breaker *(26 13 29 00-0001)*

Note: With solid state long - time and instantaneous trips.

26 13 29 00-0003	EA	800 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-206	20,574.28	1,117.39
26 13 29 00-0004	EA	1,600 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-416	32,366.08	1,689.39
26 13 29 00-0005	EA	2,000 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-420	43,810.91	2,075.15
26 13 29 00-0006	EA	3,200 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-632	73,120.21	2,407.70
26 13 29 00-0007	EA	4,000 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-840	94,081.07	2,740.26

26 13 29 00-0008 Switchgear Compartment Without Circuit Breaker *(26 13 29 00-0001)*

26 13 29 00-0009	EA	800 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	9,101.52	339.20
26 13 29 00-0010	EA	1,600 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	10,517.10	339.20
26 13 29 00-0011	EA	2,000 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	13,760.71	498.83
26 13 29 00-0012	EA	3,200 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	19,726.82	498.83
26 13 29 00-0013	EA	4,000 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	32,995.40	731.62

26 13 29 00-0014 Switchgear Compartment, Blank, Use As Filler Or Metering *(26 13 29 00-0001)*

Note: No provisions for future breaker.

26 13 29 00-0015	EA	600 To 2,000 Amperes, Blank Section Filler, Secondary Distribution Section	8,173.95	379.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*216.78*	
26 13 29 00-0016	EA	3,000 Amperes, Blank Section Filler, Secondary Distribution Section	10,279.19	379.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*254.48*	
26 13 29 00-0017	EA	4,000 Amperes, Blank Section Filler, Secondary Distribution Section	13,313.85	585.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*365.81*	

26 13 29 00-0018 Accessories For Substation Secondary Distribution *(26 13 29 00-0001)*

26 13 29 00-0019	EA	Short Time Delay Accessories, Secondary Distribution Section	4,584.18	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*69.11*	
26 13 29 00-0020	EA	Key Interlock Accessories, Secondary Distribution Section	3,538.48	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*69.11*	
26 13 29 00-0021	EA	Ammeter And Switch Complete Accessories, Secondary Distribution Section	11,489.79	115.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*69.11*	
26 13 29 00-0022	EA	Voltmeter And Switch Complete Accessories, Secondary Distribution Section	11,489.79	115.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*69.11*	
26 13 29 00-0023	EA	Wattmeter - Complete Accessories, Secondary Distribution Section	15,238.56	115.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*69.11*	
26 13 29 00-0024	EA	Watt-hour Meter - Complete Accessories, Secondary Distribution Section	19,776.53	115.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*69.11*	
26 13 29 00-0025	EA	Circuit Breaker Lifting Device Accessories, Secondary Distribution Section	8,477.03	131.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.79*	
26 13 29 00-0026	EA	Weatherproofing, Per Vertical Section Accessories, Secondary Distribution Section	24,107.97	1,945.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,167.29*	
26 13 29 00-0027	EA	Current Transformer, Single Section 5 To 800 Single Secondary 5 To 800	5,136.63	115.18
26 13 29 00-0028	EA	Potential Transformers Each With Fuses Accessories, Secondary Distribution Section	6,055.19	115.18
26 13 29 00-0029	EA	Shunt Trip And Auxiliary Switch Accessories, Secondary Distribution Section	3,239.15	57.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.55*	
26 13 29 00-0030	EA	3 Current Limiting Fuses 15 KV Accessories, Secondary Distribution Section	24,873.53	115.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*69.11*	
26 13 29 00-0031	EA	3 Phase Surge Capacitors 15 KV Accessories, Secondary Distribution Section	3,081.30	57.59

26 18 Medium-Voltage Circuit Protection Devices *(26 10)*

26 18 36 Medium-Voltage Enclosed Fuses *(26 18)*

26 18 36 00-0001 Sectionalizing Switch *(26 18 36)*

26 18 36 00-0002 Pad Mounted Metal Enclosed Oil Filled Switching Units *(26 18 36 00-0001)*

Note: 15 KV - 25 KV.

26 18 36 00-0003 Sectionalizing Tapping And Fusing Underground Feeders *(26 18 36 00-0002)*

Note: 200 Amp replaceable bushing wells recessed locking assembly oil level and oil fill plugs.

26 18 36 00-0004	EA	3 Phase, 1 Switch Up And 2 Switch Downstream Tapping And Fusing Underground	75,653.92	965.22
26 18 36 00-0005	EA	3 Phase, 2 Switch Up And 2 Switch Downstream Tapping And Fusing Underground	85,114.29	965.22

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 19 High-Voltage Circuit Protection *(26 10)*

26 19 18 Protection Devices *(26 19)*

26 19 18 00-0001 Primary Fuse Cutouts *(26 19 18)*
Note: Interrupting rating RMS, amperes - 25,000 symmetric and 40,000 asymmetric.

26 19 18 00-0002 Non-Loadbreak Current Limiting Primary Fuse Cutouts *(26 19 18 00-0001)*
Note: Includes the fuse and cutout switch.

26 19 18 00-0003 8.3 KV-95 KV-BIL Non-Loadbreak Current Limiting *(26 19 18 00-0002)*

26 19 18 00-0004	EA	15 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting		785.63	348.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*167.26*	
26 19 18 00-0005	EA	25 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting		925.02	348.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*209.08*	
26 19 18 00-0006	EA	40 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting		1,063.93	348.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*250.75*	
26 19 18 00-0007	EA	100 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting		1,085.69	348.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*250.90*	
26 19 18 00-0008	EA	200 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting		1,085.69	348.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*250.90*	

26 19 18 00-0009 17.1 KV-95 KV-BIL Non-Loadbreak Current Limiting *(26 19 18 00-0002)*

26 19 18 00-0010	EA	15 A Primary Fuse Cutout 17.1 KV - 95 KV Non-Loadbreak Current Limiting		785.63	278.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*167.26*	

26 19 18 00-0011 17.1 KV-125 KV-BIL Non-Loadbreak Current Limiting *(26 19 18 00-0002)*

26 19 18 00-0012	EA	15 A Primary Fuse Cutout 17.1 KV - 125 KV Non-Loadbreak Current Limiting		814.40	278.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*167.26*	

26 19 18 00-0013 Fuseholders *(26 19 18 00-0002)*
Note: Including current limiting fuse.

26 19 18 00-0014	EA	15 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting		664.39	348.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*167.26*	
26 19 18 00-0015	EA	25 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting		803.78	348.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*209.08*	
26 19 18 00-0016	EA	40 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting		942.69	348.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*250.75*	
26 19 18 00-0017	EA	100 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting		674.35	348.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*167.26*	
26 19 18 00-0018	EA	200 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting		813.74	348.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*209.08*	
26 19 18 00-0019	EA	15 A 17.1 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting		664.39	278.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*167.26*	

26 19 18 00-0020 Accessories *(26 19 18 00-0002)*

26 19 18 00-0021	EA	Hot Line Clamp		99.37	31.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*20.91*	
26 19 18 00-0022	EA	Stirrup		108.50	31.36

26 19 18 00-0023 Loadbreak Current Limiting Primary Fuse Cutouts *(26 19 18 00-0001)*
Note: Includes fuse, cutout switch, crossarm mounting bracket and fuse holder.

26 19 18 00-0024 8.3 KV-95 KV BIL Loadbreak Current Limiting *(26 19 18 00-0023)*

26 19 18 00-0025	EA	15 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting		1,009.61	348.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*167.26*	
26 19 18 00-0026	EA	25 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting		1,149.00	348.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*209.08*	
26 19 18 00-0027	EA	40 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting		1,287.91	348.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*250.75*	
26 19 18 00-0028	EA	100 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting		1,330.55	348.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*250.90*	
26 19 18 00-0029	EA	200 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting		1,330.55	348.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*250.90*	

26 19 18 00-0030 17.1 KV-95 KV BIL Loadbreak Current Limiting *(26 19 18 00-0023)*

26 19 18 00-0031	EA	15 A Primary Fuse Cutout 17.1 KV - 95 KV Loadbreak Current Limiting		1,009.61	278.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*167.26*	

26 19 18 00-0032 17.1 KV-125 KV BIL Loadbreak Current Limiting *(26 19 18 00-0023)*

26 19 18 00-0033	EA	15 A Primary Fuse Cutout 17.1 KV - 125 KV Loadbreak Current Limiting		1,009.61	278.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*167.26*	

26 19 18 00-0034 Fuseholders *(26 19 18 00-0023)*
Note: Includes current limiting fuses.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 19 18 00-0035	EA	15 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting	674.67	348.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*167.26*	
26 19 18 00-0036	EA	25 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting	814.06	348.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*209.08*	
26 19 18 00-0037	EA	40 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting	952.97	348.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*250.75*	
26 19 18 00-0038	EA	15 Amperes, 17.1 KV Primary Fuseholder With Fuse Loadbreak Current Limiting	674.67	348.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*167.26*	
26 19 18 00-0039		Pole Mounted Capacitors *(26 19 18 00-0023)*		
26 19 18 00-0040	EA	Capacitors - Pole Mounted 6 KVAR	1,838.64	281.00

26 19 80 Transmission and Distribution Accessories *(26 19)*

26 19 80 60 Structure Assemblies *(26 19 80)*

26 19 80 60-0001 Pole Structure Assemblies *(26 19 80 60)*

26 19 80 60-0002 5 KV Pole Structure Assemblies *(26 19 80 60-0001)*

Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.

26 19 80 60-0003	EA	Type OH-1, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	571.19	264.83
26 19 80 60-0004	EA	Type OH-2, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	954.30	446.03
26 19 80 60-0005	EA	Type OH-3, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,099.93	348.46
26 19 80 60-0006	EA	Type OH-4, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	630.39	181.20
26 19 80 60-0007	EA	Type OH-5, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	797.81	250.90
26 19 80 60-0008	EA	Type OH-6, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,390.15	501.78
26 19 80 60-0009	EA	Type OH-7, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,092.32	376.34
26 19 80 60-0010	EA	Type OH-8, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,990.19	752.68
26 19 80 60-0011	EA	Type OH-9, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,262.84	850.25
26 19 80 60-0012	EA	Type OH-10, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,239.30	418.16
26 19 80 60-0013	EA	Type OH-11, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,044.71	446.03
26 19 80 60-0014	EA	Type OH-12, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,956.48	906.00
26 19 80 60-0015	EA	Type OH-13, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,503.34	543.60
26 19 80 60-0016	EA	Type OH-14, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	934.64	390.28
26 19 80 60-0017	EA	Type OH-15, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,751.43	794.49
26 19 80 60-0018	EA	Type OH-16, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,388.43	404.22

26 19 80 60-0019 15 KV Pole Structure Assemblies *(26 19 80 60-0001)*

Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.

26 19 80 60-0020	EA	Type OH-1, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	599.96	264.83
26 19 80 60-0021	EA	Type OH-2, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	995.39	446.03
26 19 80 60-0022	EA	Type OH-3, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,239.66	348.46
26 19 80 60-0023	EA	Type OH-4, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	679.70	181.20
26 19 80 60-0024	EA	Type OH-5, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	867.68	236.96
26 19 80 60-0025	EA	Type OH-6, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,529.88	501.78
26 19 80 60-0026	EA	Type OH-7, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,195.07	376.34
26 19 80 60-0027	EA	Type OH-8, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,199.79	752.68
26 19 80 60-0028	EA	Type OH-9, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,546.41	850.25
26 19 80 60-0029	EA	Type OH-10, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,379.03	418.16
26 19 80 60-0030	EA	Type OH-11, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,098.14	446.03
26 19 80 60-0031	EA	Type OH-12, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,009.91	906.00
26 19 80 60-0032	EA	Type OH-13, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,610.19	543.60
26 19 80 60-0033	EA	Type OH-14, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	988.07	376.34
26 19 80 60-0034	EA	Type OH-15, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,804.86	794.49
26 19 80 60-0035	EA	Type OH-16, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,495.28	487.84

26 19 80 60-0036 25 KV Pole Structure Assemblies *(26 19 80 60-0001)*

Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.

26 19 80 60-0037	EA	Type OH-3, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,868.09	418.16
26 19 80 60-0038	EA	Type OH-4, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,148.08	209.07
26 19 80 60-0039	EA	Type OH-5, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,663.89	320.58
26 19 80 60-0040	EA	Type OH-6, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,166.67	655.10
26 19 80 60-0041	EA	Type OH-7, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,079.13	487.84
26 19 80 60-0042	EA	Type OH-8, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	3,337.77	961.76
26 19 80 60-0043	EA	Type OH-9, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	3,167.71	1,087.20
26 19 80 60-0044	EA	Type OH-13, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,232.42	634.20
26 19 80 60-0045	EA	Type OH-16, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,939.47	634.20

26 19 80 60-0046 50 KV Pole Structure Assemblies *(26 19 80 60-0001)*

Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.

26 19 80 60-0047	EA	Type OH-3, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,509.57	571.48
26 19 80 60-0048	EA	Type OH-4, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,367.73	292.71
26 19 80 60-0049	EA	Type OH-5, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,722.42	459.97
26 19 80 60-0050	EA	Type OH-6, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	3,231.12	933.88
26 19 80 60-0051	EA	Type OH-7, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,478.83	696.93
26 19 80 60-0052	EA	Type OH-8, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	4,756.28	1,393.85
26 19 80 60-0053	EA	Type OH-9, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	5,637.28	1,547.17

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 19 80 60-0054	EA	Type OH-10, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,877.90	752.68
26 19 80 60-0055	EA	Type OH-13, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,888.93	871.16
26 19 80 60-0056	EA	Type OH-16, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,786.45	822.38
26 19 80 60-0057		Overhead To Underground Conversion Structures *(26 19 80 60)*		
		Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination and neutral wire brackets. Excludes pole.		
26 19 80 60-0058		5 KV Structures *(26 19 80 60-0057)*		
		Note: Excludes pole.		
26 19 80 60-0059	EA	(3 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles	5,921.08	2,787.70
26 19 80 60-0060	EA	(3 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles	5,921.08	2,787.70
26 19 80 60-0061	EA	(4 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles	5,921.08	2,787.70
26 19 80 60-0062	EA	(4 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles	5,921.08	2,787.70
26 19 80 60-0063		15 KV Structures *(26 19 80 60-0057)*		
		Note: Excludes pole.		
26 19 80 60-0064	EA	(3 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles	6,114.45	2,787.70
26 19 80 60-0065	EA	(3 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles	6,114.45	2,787.70
26 19 80 60-0066	EA	(4 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles	6,114.45	2,787.70
26 19 80 60-0067	EA	(4 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles	6,114.45	2,787.70
26 19 80 60-0068		25 KV Structures *(26 19 80 60-0057)*		
		Note: Excludes pole.		
26 19 80 60-0069	EA	(3 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles	6,325.41	2,787.70
26 19 80 60-0070	EA	(3 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles	6,325.41	2,787.70
26 19 80 60-0071	EA	(4 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles	6,325.41	2,787.70
26 19 80 60-0072	EA	(4 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles	6,325.41	2,787.70
26 19 80 60-0073		Transformer Stations *(26 19 80 60)*		
		Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination, neutral wire brackets and transformer mounting bracket(s). Excludes pole and transformer.		
26 19 80 60-0074		5 KV Station *(26 19 80 60-0073)*		
26 19 80 60-0075	EA	(Single Transformer, 1 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole	9,596.71	3,716.01
26 19 80 60-0076	EA	(Double Transformer, 1 Phase, 3 Wire Tangent), 5 KV Transformer Station Without Pole	10,755.54	4,181.55
26 19 80 60-0077	EA	(Triple Transformer, 3 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole	11,914.37	4,645.70
26 19 80 60-0078	EA	(Triple Transformer, 3 Phase, 4 Wire Dead End), 5 KV Transformer Station Without Pole	11,914.37	4,645.70
26 19 80 60-0079	EA	(Single Transformer, 1 Phase, 2 Wire Tangent), 5 KV Transformer Station Without Pole	9,596.71	3,716.01
26 19 80 60-0080		15 KV Stations *(26 19 80 60-0073)*		
26 19 80 60-0081	EA	(Single Transformer, 1 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole	9,895.59	3,714.95
26 19 80 60-0082	EA	(Double Transformer, 1 Phase, 3 Wire Tangent), 15 KV Transformer Station Without Pole	11,054.42	4,181.55
26 19 80 60-0083	EA	(Triple Transformer, 3 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole	12,213.25	4,645.70
26 19 80 60-0084	EA	(Triple Transformer, 3 Phase, 4 Wire Dead End), 15 KV Transformer Station Without Pole	12,213.25	4,645.70
26 19 80 60-0085	EA	(Single Transformer, 1 Phase, 2 Wire Tangent), 15 KV Transformer Station Without Pole	9,895.59	3,716.01
26 19 80 60-0086		25 KV Stations *(26 19 80 60-0073)*		
26 19 80 60-0087	EA	(Single Transformer, 1 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole	10,221.64	3,716.01
26 19 80 60-0088	EA	(Double Transformer, 1 Phase, 3 Wire Tangent), 25 KV Transformer Station Without Pole	11,380.47	4,181.55
26 19 80 60-0089	EA	(Triple Transformer, 3 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole	12,539.31	4,645.70
26 19 80 60-0090	EA	(Triple Transformer, 3 Phase, 4 Wire Dead End), 25 KV Transformer Station Without Pole	12,539.31	4,645.70
26 19 80 60-0091	EA	(Single Transformer, 1 Phase, 2 Wire Tangent), 25 KV Transformer Station Without Pole	10,221.64	3,716.01

26 20 Low-Voltage Electrical Distribution *(26)*

26 21 Low-Voltage Electrical Service Entrance *(26 20)*

See CSI section 26 05 13 00-0000 for wire and cables.

26 21 13 Low-Voltage Overhead Electrical Service Entrance *(26 21)*

26 21 13 00-0001		Service Drop Cable And Weatherheads *(26 21 13)*		
26 21 13 00-0002		600 Volt Insulated Stranded Conductors *(26 21 13 00-0001)*		
26 21 13 00-0003		Aluminum Duplex ACSR Neutral *(26 21 13 00-0002)*		
26 21 13 00-0004	LF	#6 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable	9.09	3.32
26 21 13 00-0005	LF	#4 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable	11.01	3.93
26 21 13 00-0006	LF	#2 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable	13.16	4.43
26 21 13 00-0007	LF	1/0 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable	17.82	5.57
26 21 13 00-0008		Aluminum Triplex ACSR Neutral *(26 21 13 00-0002)*		
26 21 13 00-0009	LF	#6 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	11.20	3.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 21 13 00-0010	LF	#4 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	12.92	4.43
26 21 13 00-0011	LF	#2 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	16.44	5.57
26 21 13 00-0012	LF	1/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	20.80	6.80
26 21 13 00-0013	LF	2/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	27.02	8.99
26 21 13 00-0014	LF	4/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	34.75	11.15
26 21 13 00-0015	LF	336 MCM, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	47.83	13.28
26 21 13 00-0016		**Aluminum Quadruplex ACSR Neutral** *(26 21 13 00-0002)*		
26 21 13 00-0017	LF	#6 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	12.96	4.43
26 21 13 00-0018	LF	#4 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	16.43	5.57
26 21 13 00-0019	LF	#2 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	21.27	7.15
26 21 13 00-0020	LF	1/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	28.11	8.99
26 21 13 00-0021	LF	2/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	31.35	9.96
26 21 13 00-0022	LF	3/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	36.56	11.15
26 21 13 00-0023	LF	4/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	42.87	13.28
26 21 13 00-0024	LF	336 MCM, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	55.22	14.68
26 21 13 00-0025		**Weatherproof Conduit Hubs** *(26 21 13 00-0002)*		
26 21 13 00-0026	EA	1/2" Weatherproof Conduit Hubs	58.14	22.19
26 21 13 00-0027	EA	3/4" Weatherproof Conduit Hubs	66.30	25.21
26 21 13 00-0028	EA	1" Weatherproof Conduit Hubs	76.74	28.24
26 21 13 00-0029	EA	1-1/4" Weatherproof Conduit Hubs	106.63	37.82
26 21 13 00-0030	EA	1-1/2" Weatherproof Conduit Hubs	117.06	40.85
26 21 13 00-0031	EA	2" Weatherproof Conduit Hubs	149.86	47.40
26 21 13 00-0032	EA	2-1/2" Weatherproof Conduit Hubs	194.53	53.45
26 21 13 00-0033	EA	3" Weatherproof Conduit Hubs	249.66	63.03
26 21 13 00-0034	EA	4" Weatherproof Conduit Hubs	445.94	126.07
26 21 13 00-0035		**Service Entrance Cap, Threaded Weatherhead, Galvanized** *(26 21 13 00-0002)*		
26 21 13 00-0036	EA	1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #14 Through #10 AWG Cable Service	64.18	22.19
26 21 13 00-0037	EA	3/4" Galvanized Threaded Service Entrance Weatherhead Cap For #12 Through #8 AWG Cable Service	73.54	25.21
26 21 13 00-0038	EA	1" Galvanized Threaded Service Entrance Weatherhead Cap For #6 AWG Cable Service	84.02	28.24
26 21 13 00-0039	EA	1-1/4" Galvanized Threaded Service Entrance Weatherhead Cap For #4 Through #2 AWG Cable Service	112.85	37.82
26 21 13 00-0040	EA	1-1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #4 Through #2 AWG Cable Service	127.06	40.85
26 21 13 00-0041	EA	2" Galvanized Threaded Service Entrance Weatherhead Cap For 1/0 Through 2/0 AWG Cable Service	165.09	47.40
26 21 13 00-0042	EA	2-1/2" Galvanized Threaded Service Entrance Weatherhead Cap For 3/0 Through 4/0 Cable Service	269.96	53.45
26 21 13 00-0043	EA	3" Galvanized Threaded Service Entrance Weatherhead Cap For 250 Through 350 MCM Cable Service	307.96	63.03
26 21 13 00-0044	EA	4" Galvanized Threaded Service Entrance Weatherhead Cap For 600 Through 750 MCM Cable Service	512.99	126.07
26 21 13 00-0045		**Service Entrance Cap, Clamp-On Weatherhead, Aluminum** *(26 21 13 00-0002)*		
26 21 13 00-0046	EA	1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #14 To #12 AWG Cable Service	62.28	22.19
26 21 13 00-0047	EA	3/4" Aluminum Clamp-On Service Entrance Weatherhead Cap For #10 To #8 AWG Cable Service	70.34	25.21
26 21 13 00-0048	EA	1" Aluminum Clamp-On Service Entrance Weatherhead Cap For #6 AWG Cable Service	79.69	28.11
26 21 13 00-0049	EA	1-1/4" Aluminum Clamp-On Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service	106.01	37.82
26 21 13 00-0050	EA	1-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service	117.82	40.85
26 21 13 00-0051	EA	2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 1/0 To 2/0 AWG Cable Service	138.69	47.40
26 21 13 00-0052	EA	2-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 3/0 To 4/0 Cable Service	220.45	53.45
26 21 13 00-0053	EA	3" Aluminum Clamp-On Service Entrance Weatherhead Cap For 250 To 350 MCM Cable Service	283.06	63.03
26 21 13 00-0054	EA	3-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 400 To 500 MCM Cable Service	400.22	94.55
26 21 13 00-0055	EA	4" Aluminum Clamp-On Service Entrance Weatherhead Cap For 600 To 750 MCM Cable Service	483.35	126.07
26 21 13 00-0056		**Service Entrance Cap, Threaded Weatherhead, Polyvinyl Chloride (PVC)** *(26 21 13 00-0002)*		
26 21 13 00-0057	EA	1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #14 To #12 AWG Cable Service	59.87	22.19
26 21 13 00-0058	EA	3/4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #10 To #8 AWG Cable Service	68.42	25.21
26 21 13 00-0059	EA	1" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #6 AWG Cable Service	77.54	28.11
26 21 13 00-0060	EA	1-1/4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service	103.38	37.82
26 21 13 00-0061	EA	1-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service	112.46	40.85
26 21 13 00-0062	EA	2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 1/0 To 2/0 AWG Cable Service	136.77	47.40
26 21 13 00-0063	EA	2-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 3/0 To 4/0 Cable Service	217.74	53.45
26 21 13 00-0064	EA	3" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 250 To 350 MCM Cable Service	245.32	63.03
26 21 13 00-0065	EA	3-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 400 To 500 MCM Cable Service	415.72	94.55
26 21 13 00-0066	EA	4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 600 To 750 MCM Cable Service	573.71	126.07
26 21 16		**Low-Voltage Underground Electrical Service Entrance** *(26 21)*		
26 21 16 00-0001		**Aluminum Triplex For Underground Service, Direct Burial** *(26 21 16)* Note: Excludes excavation and backfill.		
26 21 16 00-0002	MLF	#6 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	4,751.41	1,238.99
26 21 16 00-0003	MLF	#4 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	5,477.98	1,311.89
26 21 16 00-0004	MLF	#2 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	6,533.05	1,393.85
26 21 16 00-0005	MLF	1/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	7,839.33	1,393.85
26 21 16 00-0006	MLF	2/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	8,750.27	1,486.82
26 21 16 00-0007	MLF	3/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	10,414.77	1,715.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 21 16 00-0008	MLF	4/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	12,718.95	2,230.16

26 22 Low-Voltage Transformers *(26 20)*

26 22 13 Low-Voltage Distribution Transformers *(26 22)*

26 22 13 00-0001 Single Phase General Purpose "Dry Type" Transformers *(26 22 13)*

Note: 60 HZ type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor Use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.

26 22 13 00-0002 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers *(26 22 13 00-0001)*

Note: 2-2.5 Percent taps above and 4-2.5 percent taps below.

26 22 13 00-0003	EA	1 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	1,648.26	323.91
26 22 13 00-0004	EA	3 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	2,300.42	388.70
26 22 13 00-0005	EA	5 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	2,987.86	405.54
26 22 13 00-0006	EA	7.5 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	3,681.56	421.09
26 22 13 00-0007	EA	10 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	5,357.59	453.48
26 22 13 00-0008	EA	15 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	6,435.32	485.87
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*273.18*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*409.77*	
26 22 13 00-0009	EA	25 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	7,066.92	518.26
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*301.52*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*452.28*	
26 22 13 00-0010	EA	37.5 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	6,787.64	583.04
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*281.08*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*421.62*	
26 22 13 00-0011	EA	50 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	8,136.03	647.83
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*342.02*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*513.03*	
26 22 13 00-0012	EA	75 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	10,827.01	777.39
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*463.61*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*695.42*	
26 22 13 00-0013	EA	100 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	13,806.17	906.95
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*599.61*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*899.42*	
26 22 13 00-0014	EA	167 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	22,223.57	1,166.09
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*994.57*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,491.86*	
26 22 13 00-0015	EA	250 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	40,586.36	1,425.22
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*1,886.80*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*2,830.19*	
26 22 13 00-0016	EA	333 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	64,120.46	1,619.57
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*3,044.07*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*4,566.10*	

26 22 13 00-0017 240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers *(26 22 13 00-0001)*

Note: 1-10 Percent x 2-5 percent FCBN taps.

26 22 13 00-0018	EA	3 KVA, 240 x 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	1,834.84	388.70
26 22 13 00-0019	EA	5 KVA, 240 x 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	2,241.80	404.89
26 22 13 00-0020	EA	7.5 KVA, 240 x 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	2,847.59	421.09
26 22 13 00-0021	EA	10 KVA, 240 x 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	3,396.47	453.48

26 22 13 00-0022 240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers *(26 22 13 00-0001)*

Note: 2-5 Percent x 4 - 2.5 percent FCBN taps.

26 22 13 00-0023	EA	15 KVA, 240 x 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	6,708.49	485.87
26 22 13 00-0024	EA	25 KVA, 240 x 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	7,368.44	518.26

26 22 13 00-0025 208 x 230 Volt, 120 Volt, General Purpose Dry Type Transformers *(26 22 13 00-0001)*

Note: 1-10 Percent x 2-5 percent FCBN taps.

26 22 13 00-0026	EA	0.5 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	1,352.82	291.53
26 22 13 00-0027	EA	1 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	1,542.94	323.91
26 22 13 00-0028	EA	2 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	2,050.67	356.30
26 22 13 00-0029	EA	3 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	2,392.40	388.70
26 22 13 00-0030	EA	5 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	2,708.85	405.54
26 22 13 00-0031	EA	7.5 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	3,134.60	421.09
26 22 13 00-0032	EA	10 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	4,106.54	453.48
26 22 13 00-0033	EA	15 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	5,723.68	485.87

26 22 13 00-0034 1 Phase Mounting Brackets *(26 22 13 00-0001)*

26 22 13 00-0035	EA	1 Phase Mounting Brackets (Set Of 2) For Transformers Up To 100 KVA	634.57	230.36

26 22 13 00-0036 1 Phase Weathershields *(26 22 13 00-0001)*

Note: Use with types DT-3 and DS-3.

26 22 13 00-0037	EA	37.5 KVA 1 Phase Weathershields, Set Of 2	196.81	
26 22 13 00-0038	EA	50 KVA 1 Phase Weathershields, Set Of 2	250.87	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0039	EA	75 KVA 1 Phase Weathershields, Set Of 2	299.16	
26 22 13 00-0040	EA	100 KVA 1 Phase Weathershields, Set Of 2	356.89	
26 22 13 00-0041	EA	167 KVA 1 Phase Weathershields, Set Of 2	482.85	
26 22 13 00-0042	EA	250 KVA 1 Phase Weathershields, Set Of 2	577.32	
26 22 13 00-0043	EA	333 KVA 1 Phase Weathershields, Set Of 2	708.53	
26 22 13 00-0044		**Packaged Power Supply** *(26 22 13 00-0001)* Note: 2-5 Percent FCBN taps.		
26 22 13 00-0045	EA	5 KVA, 480 Volt - 120/240 Volt, Transformer With 6 - 1 Pole / 3 - 2 Pole Max 20 Amperes Breakers	3,703.27	404.89
26 22 13 00-0046	EA	7.5 KVA, 480 Volt - 120/240 Volt, Transformer With 8 - 1 Pole / 4 - 2 Pole Max 30 Amperes Breakers	4,225.50	421.09
26 22 13 00-0047	EA	10 KVA, 480 Volt - 120/240 Volt, Transformer With 10 - 1 Pole / 5 - 2 Pole Max 40 Amperes Breakers	4,582.03	453.48
26 22 13 00-0048	EA	15 KVA, 480 Volt - 120/240 Volt, Transformer With 16 - 1 Pole / 8 - 2 Pole Max 60 Amperes Breakers	5,741.58	485.87
26 22 13 00-0049	EA	25 KVA, 480 Volt - 120/240 Volt, Transformer With 24 - 1 Pole / 12 - 2 Pole Max 100 Amperes Breakers	8,151.13	518.26
26 22 13 00-0050		**240 Volt, 120/240 Volt, Single Phase Isolation Transformer Computer Grade** *(26 22 13 00-0001)*		
26 22 13 00-0051	EA	0.5 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer	2,761.12	291.53
26 22 13 00-0052	EA	1 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer	4,033.04	323.91
26 22 13 00-0053	EA	2.5 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer	4,687.44	388.70
26 22 13 00-0054	EA	5 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer	5,218.43	404.89
26 22 13 00-0055	EA	7.5 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer	5,933.12	421.09
26 22 13 00-0056	EA	10 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer	7,782.34	453.48
26 22 13 00-0057	EA	15 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer	10,250.89	485.87
26 22 13 00-0058		**600 Volt, 208/120 Volt, Dry General Purpose Transformer** *(26 22 13 00-0001)*		
26 22 13 00-0059	EA	15 KVA, 600 Volt, 208 Y / 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	12,782.42	485.87
26 22 13 00-0060	EA	25 KVA, 600 Volt, 208 Y / 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	13,238.67	518.26
26 22 13 00-0061	EA	30 KVA, 600 Volt, 208 Y / 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	13,736.56	550.65
26 22 13 00-0062	EA	37.5 KVA, 600 Volt, 208 Y / 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	18,331.30	583.04
26 22 13 00-0063	EA	45 KVA, 600 Volt, 208 Y / 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	19,035.57	615.44
26 22 13 00-0064	EA	50 KVA, 600 Volt, 208 Y / 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	25,630.72	647.83
26 22 13 00-0065		**3 Phase General Purpose "Dry Type" Transformer** *(26 22 13)* Note: 60 HZ type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.		
26 22 13 00-0066		**Packaged Power Supply** *(26 22 13 00-0065)* Note: 2-5 Percent FCBN taps.		
26 22 13 00-0067	EA	15 KVA, 480 Volt - 208/120 Volt, Transformer With 12 - 1 Pole / 4 - 3 Pole Max, 40 Amperes Breakers	16,654.75	1,392.83
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*693.46*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,040.18*	
26 22 13 00-0068	EA	22.5 KVA, 480 Volt - 208/120 Volt, Transformer With 18 - 1 Pole / 6 - 3 Pole Max, 60 Amperes Breakers	20,166.80	1,490.00
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*859.34*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,289.01*	
26 22 13 00-0069	EA	30 KVA, 480 Volt - 208/120 Volt, Transformer With 24 - 1 Pole / 8 - 3 Pole Max, 80 Amperes Breakers	24,327.09	1,619.57
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*1,054.40*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,581.60*	
26 22 13 00-0070		**Drive Isolation Transformers** *(26 22 13 00-0065)* Note: Only use in step-up applications.		
26 22 13 00-0071		**230 Volt Drive Isolation Transformers** *(26 22 13 00-0070)*		
26 22 13 00-0072	EA	7.5 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	9,035.32	518.26
26 22 13 00-0073	EA	11 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	10,596.13	550.65
26 22 13 00-0074	EA	15 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	10,960.13	583.04
26 22 13 00-0075	EA	20 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	12,967.76	615.44
26 22 13 00-0076	EA	27 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	13,404.50	680.22
26 22 13 00-0077	EA	34 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	14,738.88	745.00
26 22 13 00-0078	EA	40 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	16,679.65	809.78
26 22 13 00-0079	EA	51 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	19,423.24	906.95
26 22 13 00-0080	EA	63 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	21,039.89	939.35
26 22 13 00-0081	EA	75 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	24,340.11	971.74
26 22 13 00-0082	EA	93 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	30,720.14	1,004.13
26 22 13 00-0083	EA	118 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	34,440.95	1,230.87
26 22 13 00-0084	EA	145 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	38,452.24	1,295.65
26 22 13 00-0085	EA	175 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	44,107.15	1,360.43
26 22 13 00-0086	EA	220 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	53,821.04	1,619.57
26 22 13 00-0087	EA	275 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	71,414.98	1,911.08
26 22 13 00-0088	EA	330 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	75,338.30	2,105.43
26 22 13 00-0089	EA	440 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	91,857.20	2,332.17
26 22 13 00-0090	EA	550 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	113,511.43	2,591.31
26 22 13 00-0091		**208V Drive Isolation Transformers** *(26 22 13 00-0070)*		
26 22 13 00-0092	EA	7.5 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	9,442.45	518.26
26 22 13 00-0093	EA	11 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	11,079.42	550.65

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0094	EA	15 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	11,458.64	583.04
26 22 13 00-0095	EA	20 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	13,565.17	615.44
26 22 13 00-0096	EA	27 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	14,017.55	680.22
26 22 13 00-0097	EA	30 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	15,348.46	712.60
26 22 13 00-0098	EA	45 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	17,510.97	842.18
26 22 13 00-0099	EA	51 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	20,319.55	906.95
26 22 13 00-0100	EA	63 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	22,015.20	939.35
26 22 13 00-0101	EA	75 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	25,480.10	971.74
26 22 13 00-0102	EA	93 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	32,181.58	1,004.13
26 22 13 00-0103	EA	118 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	36,068.70	1,230.87
26 22 13 00-0104	EA	145 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	40,277.56	1,295.65
26 22 13 00-0105	EA	175 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	46,213.72	1,360.43
26 22 13 00-0106	EA	220 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	56,395.66	1,619.57

26 22 13 00-0107 480 Volt x 208Y/120 Volt, 2-2.5 Percent FCBN Taps *(26 22 13 00-0065)*

26 22 13 00-0108	EA	9 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	6,280.85	534.45
26 22 13 00-0109	EA	15 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	8,317.49	583.04
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*357.57*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*536.36*	

26 22 13 00-0110 480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 4-2.5 Percent FCBN Taps *(26 22 13 00-0065)*

26 22 13 00-0111	EA	30 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	9,280.85	712.60
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*392.78*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*589.17*	
		For K4 Factor Rating, Add	*5,498.94*	
		For K13 Factor Rating, Add	*7,855.63*	
		For K20 Factor Rating, Add	*10,212.32*	
26 22 13 00-0112	EA	37.5 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	11,264.77	777.39
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*485.50*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*728.25*	
		For K4 Factor Rating, Add	*6,796.99*	
		For K13 Factor Rating, Add	*9,709.99*	
		For K20 Factor Rating, Add	*12,622.99*	
26 22 13 00-0113	EA	45 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	11,756.07	842.18
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*503.59*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*755.38*	
		For K4 Factor Rating, Add	*7,050.21*	
		For K13 Factor Rating, Add	*10,071.73*	
		For K20 Factor Rating, Add	*13,093.25*	
26 22 13 00-0114	EA	50 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	15,579.74	906.95
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*688.29*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,032.44*	
		For K4 Factor Rating, Add	*9,636.07*	
		For K13 Factor Rating, Add	*13,765.82*	
		For K20 Factor Rating, Add	*17,895.57*	
26 22 13 00-0115	EA	75 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	15,308.02	971.74
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*668.23*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,002.34*	
		For K4 Factor Rating, Add	*9,355.18*	
		For K13 Factor Rating, Add	*13,364.54*	
		For K20 Factor Rating, Add	*17,373.90*	
26 22 13 00-0116	EA	112.5 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	19,086.17	1,166.09
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*837.70*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,256.55*	
		For K4 Factor Rating, Add	*11,727.80*	
		For K13 Factor Rating, Add	*16,754.00*	
		For K20 Factor Rating, Add	*21,780.20*	
26 22 13 00-0117	EA	150 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	24,935.34	1,295.65
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*1,117.20*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,675.80*	
		For K4 Factor Rating, Add	*15,640.82*	
		For K13 Factor Rating, Add	*22,344.03*	
		For K20 Factor Rating, Add	*29,047.24*	
26 22 13 00-0118	EA	225 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	34,111.59	1,619.57
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*1,543.62*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*2,315.43*	
		For K4 Factor Rating, Add	*21,610.72*	
		For K13 Factor Rating, Add	*30,872.46*	
		For K20 Factor Rating, Add	*40,134.20*	
26 22 13 00-0119	EA	300 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	41,555.13	2,008.26
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*1,876.93*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*2,815.40*	
		For K4 Factor Rating, Add	*26,277.03*	
		For K13 Factor Rating, Add	*37,538.61*	
		For K20 Factor Rating, Add	*48,800.19*	
26 22 13 00-0120	EA	500 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	59,892.70	2,461.73
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*2,748.46*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*4,122.69*	
		For K4 Factor Rating, Add	*38,478.45*	
		For K13 Factor Rating, Add	*54,969.22*	
		For K20 Factor Rating, Add	*71,459.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0121	EA	750 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	140,042.50	2,960.01
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*6,704.13*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*10,056.19*	
		For K4 Factor Rating, Add	*93,857.75*	
		For K13 Factor Rating, Add	*134,082.50*	
		For K20 Factor Rating, Add	*174,307.25*	
26 22 13 00-0122	EA	1,000 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	184,991.71	3,239.13
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*8,925.67*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*13,388.51*	
		For K4 Factor Rating, Add	*124,959.42*	
		For K13 Factor Rating, Add	*178,513.45*	
		For K20 Factor Rating, Add	*232,067.49*	
26 22 13 00-0123		**480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 2-2.5 Percent FCBN Taps** *(26 22 13 00-0065)*		
26 22 13 00-0124	EA	6 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	5,066.28	502.06
		For K4 Factor Rating, Add	*2,843.51*	
		For K13 Factor Rating, Add	*4,062.15*	
		For K20 Factor Rating, Add	*5,280.80*	
26 22 13 00-0125	EA	9 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	6,280.85	534.45
		For K4 Factor Rating, Add	*3,648.35*	
		For K13 Factor Rating, Add	*5,211.93*	
		For K20 Factor Rating, Add	*6,775.51*	
26 22 13 00-0126	EA	15 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	8,317.49	583.04
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*357.57*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*536.36*	
		For K4 Factor Rating, Add	*5,005.98*	
		For K13 Factor Rating, Add	*7,151.40*	
		For K20 Factor Rating, Add	*9,296.82*	
26 22 13 00-0127	EA	30 KVA 480V x 208Y/ 120V, 3 Phase 60 Hz, Transformer (Larson Electronics MT-DOE16-3P-480D-30KVA-208Y.120-N3R)	7,107.71	
		For K4 Factor Rating, Add	*3,977.74*	
		For K13 Factor Rating, Add	*5,682.49*	
		For K20 Factor Rating, Add	*7,387.24*	
26 22 13 00-0128		**480 Volt x 480Y/277 Volt, 2-2.5 Percent FCAN And 4 Percent FCBN Taps** *(26 22 13 00-0065)*		
26 22 13 00-0129	EA	30 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	16,378.73	712.60
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*747.68*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,121.51*	
		For K4 Factor Rating, Add	*10,467.46*	
		For K13 Factor Rating, Add	*14,953.51*	
		For K20 Factor Rating, Add	*19,439.56*	
26 22 13 00-0130	EA	45 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	18,324.62	842.18
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*832.01*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,248.02*	
		For K4 Factor Rating, Add	*11,648.20*	
		For K13 Factor Rating, Add	*16,640.28*	
		For K20 Factor Rating, Add	*21,632.36*	
26 22 13 00-0131	EA	75 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	27,251.36	971.74
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*1,265.39*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,898.09*	
		For K4 Factor Rating, Add	*17,715.52*	
		For K13 Factor Rating, Add	*25,307.88*	
		For K20 Factor Rating, Add	*32,900.24*	
26 22 13 00-0132	EA	112.5 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	34,254.47	1,166.09
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*1,596.12*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*2,394.17*	
		For K4 Factor Rating, Add	*22,345.61*	
		For K13 Factor Rating, Add	*31,922.30*	
		For K20 Factor Rating, Add	*41,498.99*	
26 22 13 00-0133	EA	150 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	41,342.82	1,295.65
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*1,937.58*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*2,906.36*	
		For K4 Factor Rating, Add	*27,126.06*	
		For K13 Factor Rating, Add	*38,751.51*	
		For K20 Factor Rating, Add	*50,376.96*	
26 22 13 00-0134	EA	225 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	53,027.31	1,619.57
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*2,489.41*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*3,734.11*	
		For K4 Factor Rating, Add	*34,851.73*	
		For K13 Factor Rating, Add	*49,788.18*	
		For K20 Factor Rating, Add	*64,724.63*	
26 22 13 00-0135	EA	300 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	64,443.36	2,008.26
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*3,021.34*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*4,532.01*	
		For K4 Factor Rating, Add	*42,298.79*	
		For K13 Factor Rating, Add	*60,426.84*	
		For K20 Factor Rating, Add	*78,554.89*	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0136	EA	500 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	104,171.32	2,461.73
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*4,962.39*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*7,443.59*	
		For K4 Factor Rating, Add	*69,473.49*	
		For K13 Factor Rating, Add	*99,247.84*	
		For K20 Factor Rating, Add	*129,022.19*	

26 22 13 00-0137 3 Phase 60 Hz K20 Dry Type Transformers *(26 22 13 00-0065)*

26 22 13 00-0138 3 Phase 60 Hz K20 Dry Type Transformers, 115 C Rise *(26 22 13 00-0137)*

Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.

26 22 13 00-0139	EA	15 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	7,742.60	583.04
26 22 13 00-0140	EA	30 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	11,842.77	712.60
26 22 13 00-0141	EA	45 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	17,547.57	842.18
26 22 13 00-0142	EA	75 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	22,506.92	971.74
26 22 13 00-0143	EA	112.5 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	34,052.31	1,166.09
26 22 13 00-0144	EA	150 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	41,519.71	1,295.65
26 22 13 00-0145	EA	225 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	48,194.42	1,619.57
26 22 13 00-0146	EA	300 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	77,008.85	2,008.26

26 22 13 00-0147 3 Phase 60 Hz K20 Dry Type Transformers, 80 C Rise *(26 22 13 00-0137)*

Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.

26 22 13 00-0148	EA	15 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer	9,062.96	583.04
26 22 13 00-0149	EA	30 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer	13,927.54	712.60
26 22 13 00-0150	EA	45 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer	20,718.95	842.18
26 22 13 00-0151	EA	75 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer	26,613.30	971.74
26 22 13 00-0152	EA	112.5 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer	40,395.08	1,166.09
26 22 13 00-0153	EA	150 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer	49,309.18	1,295.65
26 22 13 00-0154	EA	225 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer	57,184.22	1,619.57
26 22 13 00-0155	EA	300 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer	91,608.58	2,008.26

26 22 13 00-0156 NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0065)*

26 22 13 00-0157 Aluminum Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0156)*

Note: Two taps at 2.5%, four at -2.5%.

26 22 13 00-0158 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0157)*

26 22 13 00-0159	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	3,577.90	579.13
26 22 13 00-0160	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	4,364.88	707.82
26 22 13 00-0161	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	5,256.70	836.53
26 22 13 00-0162	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	7,008.30	965.22
26 22 13 00-0163	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	9,334.41	1,158.26
26 22 13 00-0164	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	11,563.67	1,286.96
26 22 13 00-0165	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	15,300.90	1,608.71
26 22 13 00-0166	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	21,454.68	1,994.79

26 22 13 00-0167 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0157)*

26 22 13 00-0168	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	4,305.90	579.13
26 22 13 00-0169	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	5,246.71	707.82
26 22 13 00-0170	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	6,332.04	836.53

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0171	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	8,531.90	965.22
26 22 13 00-0172	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	10,907.01	1,158.26
26 22 13 00-0173	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	14,260.60	1,286.96
26 22 13 00-0174	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	18,926.19	1,608.71
26 22 13 00-0175	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	26,694.21	1,994.79
26 22 13 00-0176		**80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers** *(26 22 13 00-0157)*		
26 22 13 00-0177	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	5,030.96	579.13
26 22 13 00-0178	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	6,130.99	707.82
26 22 13 00-0179	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	7,407.39	836.53
26 22 13 00-0180	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	10,053.06	965.22
26 22 13 00-0181	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	12,891.12	1,158.26
26 22 13 00-0182	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	16,957.52	1,286.96
26 22 13 00-0183	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	22,551.49	1,608.71
26 22 13 00-0184	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	31,933.74	1,994.79
26 22 13 00-0185		**Copper Windings, NEMA Premium Efficient Dry Type Transformers** *(26 22 13 00-0156)* Note: Two taps at 2.5%, four at -2.5%.		
26 22 13 00-0186		**150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers** *(26 22 13 00-0185)*		
26 22 13 00-0187	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	4,788.45	579.13
26 22 13 00-0188	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	5,837.05	707.82
26 22 13 00-0189	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	7,047.30	836.53
26 22 13 00-0190	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	9,546.00	965.22
26 22 13 00-0191	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	12,920.51	1,158.26
26 22 13 00-0192	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	16,151.63	1,286.96
26 22 13 00-0193	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	21,466.35	1,608.71
26 22 13 00-0194	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	30,368.49	1,994.79
26 22 13 00-0195		**115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers** *(26 22 13 00-0185)*		
26 22 13 00-0196	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	5,513.51	579.13
26 22 13 00-0197	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	6,721.33	707.82
26 22 13 00-0198	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	8,122.65	836.53
26 22 13 00-0199	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	11,069.62	965.22
26 22 13 00-0200	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	16,780.96	1,158.26
26 22 13 00-0201	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	21,114.36	1,286.96
26 22 13 00-0202	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	26,943.49	1,608.71
26 22 13 00-0203	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	40,041.66	1,994.79
26 22 13 00-0204		**80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers** *(26 22 13 00-0185)*		
26 22 13 00-0205	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	6,241.02	579.13
26 22 13 00-0206	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	7,605.60	707.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0207	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	9,197.98	836.53
26 22 13 00-0208	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	12,590.76	965.22
26 22 13 00-0209	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	19,882.07	1,158.26
26 22 13 00-0210	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	25,614.14	1,286.96
26 22 13 00-0211	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	32,418.17	1,608.71
26 22 13 00-0212	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	47,767.46	1,994.79

26 22 13 00-0213 3 Phase Weathershields *(26 22 13 00-0065)*

Note: Use with type DT-3 and DS-3.

26 22 13 00-0214	EA	45-112.5 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2	1,737.31	
26 22 13 00-0215	EA	150-300 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2	2,950.27	
26 22 13 00-0216	EA	500-1,000 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2	2,950.27	

26 22 13 00-0217 Three Phase Mounting Brackets *(26 22 13 00-0065)*

26 22 13 00-0218	EA	3 Phase Mounting Brackets (Set Of 2) For Transformers Up To 112.5 KVA	1,388.12	230.36

26 22 13 00-0219 Foam Core Poly Transformer Pads *(26 22 13)*

26 22 13 00-0220	EA	Single Phase Foam Core Poly Pads Note: Excludes site prep.	454.84	42.65

26 24 Switchboards and Panelboards *(26 20)*

26 24 13 Switchboards *(26 24)*

Note: Installation of free-standing building distribution switchboards. Switchboard sections to be mounted on 4" concrete pad. Includes material, handling, unloading at job site, assembly and installation, wiring connections, testing and cleanup. Exclude concrete pad and foundation.

26 24 13 00-0001 Fusible Switch Type 240 Volt, 3 Phase, 3 Wire *(26 24 13)*

26 24 13 00-0002 Incoming Service Section Main Device Only *(26 24 13 00-0001)*

Note: Copper bus, non-metering type, with fuses.

26 24 13 00-0003	EA	400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	4,412.10	1,102.71
26 24 13 00-0004	EA	600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	4,883.15	1,166.38
26 24 13 00-0005	EA	800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	7,881.03	1,323.08
26 24 13 00-0006	EA	1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	8,489.45	1,418.38
26 24 13 00-0007	EA	1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	13,614.07	1,512.30
26 24 13 00-0008	EA	2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	15,180.15	1,607.99
26 24 13 00-0009	EA	400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	5,339.36	1,102.71
26 24 13 00-0010	EA	600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	6,837.36	1,166.38
26 24 13 00-0011	EA	800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	9,526.79	1,324.21
26 24 13 00-0012	EA	1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	13,027.97	1,418.38
26 24 13 00-0013	EA	1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	13,614.07	1,513.82
26 24 13 00-0014	EA	2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	15,180.15	1,607.99
26 24 13 00-0015	EA	2,500 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	18,241.27	1,681.11
26 24 13 00-0016	EA	3,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	20,677.90	1,801.00
26 24 13 00-0017	EA	4,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	24,406.23	1,941.44
26 24 13 00-0018	EA	400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	2,997.69	977.03
26 24 13 00-0019	EA	600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,311.09	1,040.18
26 24 13 00-0020	EA	800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,792.64	1,197.38
26 24 13 00-0021	EA	1,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,088.79	1,247.69
26 24 13 00-0022	EA	1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,353.24	1,292.70
26 24 13 00-0023	EA	1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,769.64	1,385.99
26 24 13 00-0024	EA	2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	5,156.97	1,481.04

26 24 13 00-0025 Branch Breaker Units *(26 24 13 00-0001)*

Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.

26 24 13 00-0026	EA	15 To 60 Amperes, 240 Volt, MC Branch Breaker	377.84	38.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.07*	
26 24 13 00-0027	EA	70 To 100 Amperes, 240 Volt, MC Branch Breaker	553.63	60.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.31*	
26 24 13 00-0028	EA	125 To 225 Amperes, 240 Volt, MC Branch Breaker	1,486.43	110.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*66.18*	
26 24 13 00-0029	EA	100 To 400 Amperes, 240 Volt, MC Branch Breaker	2,638.51	143.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*86.23*	
26 24 13 00-0030	EA	300 To 600 Amperes, 240 Volt, MC Branch Breaker	4,700.81	352.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*211.76*	
26 24 13 00-0031	EA	400 To 800 Amperes, 240 Volt, MC Branch Breaker	7,523.98	352.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*211.76*	
26 24 13 00-0032	EA	600 To 1,200 Amperes, 240 Volt, MC Branch Breaker	12,199.11	629.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*377.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0033		**Fusible Switch Type 480 Volt, 3 Phase, 3 Wire** *(26 24 13)*		
26 24 13 00-0034		**Incoming Service Section Main Device Only** *(26 24 13 00-0033)* Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0035	EA	400 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch	6,245.85	1,430.86
26 24 13 00-0036	EA	600 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch	6,976.28	1,430.86
26 24 13 00-0037	EA	800 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch	10,331.74	1,859.49
26 24 13 00-0038	EA	1,200 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch	11,707.35	1,859.49
26 24 13 00-0039		**Fusible Switch Type 120/240 Volt, 1 Phase, 3 Wire** *(26 24 13)*		
26 24 13 00-0040		**Incoming Service Section Main Device Only** *(26 24 13 00-0039)* Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0041	EA	200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch	3,970.21	977.03
26 24 13 00-0042	EA	600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch	4,420.11	1,040.18
26 24 13 00-0043	EA	800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch	6,767.90	1,197.38
26 24 13 00-0044	EA	1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch	7,353.21	1,291.69
26 24 13 00-0045	EA	200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker	4,850.45	977.03
26 24 13 00-0046	EA	600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker	6,124.17	1,040.18
26 24 13 00-0047	EA	800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker	8,596.10	1,197.38
26 24 13 00-0048	EA	1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker	12,339.37	1,291.69
26 24 13 00-0049	EA	2,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker	14,485.53	1,449.77
26 24 13 00-0050	EA	200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	2,781.39	850.83
26 24 13 00-0051	EA	600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	3,116.52	914.11
26 24 13 00-0052	EA	800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	3,658.51	1,071.32
26 24 13 00-0053	EA	1,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	3,937.86	1,121.62
26 24 13 00-0054	EA	1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	4,208.08	1,166.38
26 24 13 00-0055	EA	1,600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	4,566.22	1,247.69
26 24 13 00-0056	EA	2,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	4,916.45	1,323.08
26 24 13 00-0057	EA	2,500 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	6,102.88	1,638.87
26 24 13 00-0058	EA	3,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	6,830.66	1,796.46
26 24 13 00-0059	EA	4,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	8,035.41	1,938.29
26 24 13 00-0060		**Branch Breaker Units** *(26 24 13 00-0039)* Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 2 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0061	EA	15 To 60 Amperes, 120 / 240 Volt, MC Branch Breaker	203.36	33.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.04*	
26 24 13 00-0062	EA	70 To 100 Amperes, 120 / 240 Volt, MC Branch Breaker	323.10	55.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.28*	
26 24 13 00-0063	EA	125 To 225 Amperes, 120 / 240 Volt, MC Branch Breaker	982.65	77.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*46.52*	
26 24 13 00-0064	EA	100 To 400 Amperes, 120 / 240 Volt, MC Branch Breaker	2,822.98	99.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*59.75*	
26 24 13 00-0065	EA	300 To 600 Amperes, 120/240 Volt, MC Branch Breaker	4,448.29	242.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*145.60*	
26 24 13 00-0066	EA	400 To 800 Amperes, 120/240 Volt, MC Branch Breaker	6,321.63	242.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*145.60*	
26 24 13 00-0067	EA	600 To 1,200 Amperes, 120/240 Volt, MC Branch Breaker	10,425.03	463.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*278.01*	
26 24 13 00-0068		**Fusible Switch Type 120/208 Volt, 3 Phase, 4 Wire** *(26 24 13)*		
26 24 13 00-0069		**Incoming Service Section Main Device Only** *(26 24 13 00-0068)* Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0070	EA	400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	4,413.65	1,102.71
26 24 13 00-0071	EA	600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	4,881.43	1,166.38
26 24 13 00-0072	EA	800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	7,878.80	1,323.08
26 24 13 00-0073	EA	1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	8,486.90	1,418.38
26 24 13 00-0074	EA	1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	13,608.25	1,512.30
26 24 13 00-0075	EA	2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	15,180.15	1,607.99
26 24 13 00-0076	EA	400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	5,340.91	1,102.71
26 24 13 00-0077	EA	600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	6,835.64	1,166.38
26 24 13 00-0078	EA	800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	9,526.79	1,324.21
26 24 13 00-0079	EA	1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	13,025.42	1,418.38
26 24 13 00-0080	EA	1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	13,611.15	1,513.82
26 24 13 00-0081	EA	2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	15,180.15	1,607.99
26 24 13 00-0082	EA	400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,144.51	977.03
26 24 13 00-0083	EA	600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,515.42	1,040.18
26 24 13 00-0084	EA	800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,098.96	1,197.38
26 24 13 00-0085	EA	1,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,410.11	1,247.69
26 24 13 00-0086	EA	1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,710.83	1,292.70
26 24 13 00-0087	EA	1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	5,113.60	1,385.99
26 24 13 00-0088	EA	2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	5,521.97	1,481.04
26 24 13 00-0089	EA	2,500 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	6,554.57	1,683.00
26 24 13 00-0090	EA	3,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	7,251.82	1,800.88
26 24 13 00-0091	EA	4,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	8,561.28	1,935.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0092		**Branch Breaker Units** *(26 24 13 00-0068)* Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 120/208 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0093	EA	15 To 60 Amperes, 120/208 Volt, MC Branch Breaker	377.84	38.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.07*	
26 24 13 00-0094	EA	70 To 100 Amperes, 120/208 Volt, MC Branch Breaker	553.63	60.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.31*	
26 24 13 00-0095	EA	125 To 225 Amperes, 120/208 Volt, MC Branch Breaker	1,486.43	110.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*66.18*	
26 24 13 00-0096	EA	100 To 400 Amperes, 120/208 Volt, MC Branch Breaker	2,638.51	143.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*86.23*	
26 24 13 00-0097	EA	300 To 600 Amperes, 120/208 Volt, MC Branch Breaker	4,700.81	352.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*211.76*	
26 24 13 00-0098	EA	400 To 800 Amperes, 120/208 Volt, MC Branch Breaker	7,523.98	352.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*211.76*	
26 24 13 00-0099	EA	600 To 1,200 Amperes, 120/208 Volt, MC Branch Breaker	12,199.11	629.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*377.45*	
26 24 13 00-0100		**Fusible Switch Type 277/480 Volt, 3 Phase, 4 Wire** *(26 24 13)*		
26 24 13 00-0101		**Incoming Service Section Main Device Only** *(26 24 13 00-0100)* Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0102	EA	400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	5,721.80	1,512.30
26 24 13 00-0103	EA	600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	6,279.92	1,607.99
26 24 13 00-0104	EA	800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	8,929.38	1,794.82
26 24 13 00-0105	EA	1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	9,760.71	1,921.77
26 24 13 00-0106	EA	400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	7,296.08	1,512.30
26 24 13 00-0107	EA	600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	9,808.42	1,607.99
26 24 13 00-0108	EA	800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	11,113.40	1,796.84
26 24 13 00-0109	EA	1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	14,032.14	1,921.77
26 24 13 00-0110	EA	1,600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	14,682.02	2,049.23
26 24 13 00-0111	EA	2,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	16,317.31	2,176.56
26 24 13 00-0112	EA	400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,144.51	977.03
26 24 13 00-0113	EA	600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,515.42	1,040.18
26 24 13 00-0114	EA	800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,098.96	1,197.38
26 24 13 00-0115	EA	1,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,410.11	1,247.69
26 24 13 00-0116	EA	1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,710.83	1,292.70
26 24 13 00-0117	EA	1,600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	5,113.60	1,385.99
26 24 13 00-0118	EA	2,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	5,521.97	1,481.04
26 24 13 00-0119		**Branch Breaker Units** *(26 24 13 00-0100)* Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 480 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0120	EA	15 To 60 Amperes, 480/277 Volt, MC Branch Breaker	782.22	38.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.07*	
26 24 13 00-0121	EA	70 To 100 Amperes, 480/277 Volt, MC Branch Breaker	901.59	60.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.31*	
26 24 13 00-0122	EA	125 To 225 Amperes, 480/277 Volt, MC Branch Breaker	1,635.02	110.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*66.18*	
26 24 13 00-0123	EA	100 To 400 Amperes, 480/277 Volt, MC Branch Breaker	2,638.51	143.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*86.23*	
26 24 13 00-0124	EA	300 To 600 Amperes, 480/277 Volt, MC Branch Breaker	6,322.11	352.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*211.76*	
26 24 13 00-0125	EA	400 To 800 Amperes, 480/277 Volt, MC Branch Breaker	6,466.93	352.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*211.76*	
26 24 13 00-0126	EA	600 To 1,200 Amperes, 480/277 Volt, MC Branch Breaker	10,376.56	629.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*377.45*	
26 24 13 00-0127		**Fusible Branch Circuit Switch** *(26 24 13)* Note: Includes switch fuses, and portion of distribution section occupied by that branch device.		
26 24 13 00-0128		**240 Volt, 2 Pole Twin Branch Switch Units** *(26 24 13 00-0127)*		
26 24 13 00-0129	EA	30/30 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit	805.77	98.96
		For Electrical Interlock Kit, Add	*328.81*	
26 24 13 00-0130	EA	30/60 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit	802.95	98.96
		For Electrical Interlock Kit, Add	*328.81*	
26 24 13 00-0131	EA	60/60 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit	802.95	98.96
		For Electrical Interlock Kit, Add	*328.81*	
26 24 13 00-0132	EA	60/100 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit	1,260.28	130.48
		For Electrical Interlock Kit, Add	*328.81*	
26 24 13 00-0133	EA	100/100 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit	1,260.28	130.48
		For Electrical Interlock Kit, Add	*328.81*	
26 24 13 00-0134		**240 Volt, 2 Pole Single Branch Switch Units** *(26 24 13 00-0127)*		
26 24 13 00-0135	EA	100 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit	921.76	97.08
		For Electrical Interlock Kit, Add	*314.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0136	EA	200 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit	1,344.15	97.08
		For Electrical Interlock Kit, Add	*314.99*	
26 24 13 00-0137	EA	400 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit	3,454.84	261.59
26 24 13 00-0138		**240 Volt, 3 Pole Twin Branch Switch Units** *(26 24 13 00-0127)*		
26 24 13 00-0139	EA	30/30 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit	1,032.60	111.57
		For Electrical Interlock Kit, Add	*328.81*	
26 24 13 00-0140	EA	30/60 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit	1,029.79	111.57
		For Electrical Interlock Kit, Add	*328.81*	
26 24 13 00-0141	EA	60/60 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit	1,029.79	111.57
		For Electrical Interlock Kit, Add	*328.81*	
26 24 13 00-0142	EA	60/100 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit	1,551.34	149.39
		For Electrical Interlock Kit, Add	*328.81*	
26 24 13 00-0143	EA	100/100 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit	1,551.34	149.39
		For Electrical Interlock Kit, Add	*328.81*	
26 24 13 00-0144		**240 Volt, 3 Pole Single Branch Switch Units** *(26 24 13 00-0127)*		
26 24 13 00-0145	EA	100 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	1,116.42	109.68
		For Electrical Interlock Kit, Add	*328.81*	
26 24 13 00-0146	EA	200 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	1,804.99	109.68
		For Electrical Interlock Kit, Add	*314.99*	
26 24 13 00-0147	EA	400 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	4,627.31	292.85
26 24 13 00-0148	EA	600 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	6,608.18	375.18
26 24 13 00-0149	EA	800 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	12,300.26	508.30
26 24 13 00-0150		**600 Volt, 3 Pole Twin Branch Switch Units** *(26 24 13 00-0127)*		
26 24 13 00-0151	EA	30/30 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit	1,458.99	111.57
		For Electrical Interlock Kit, Add	*328.81*	
26 24 13 00-0152	EA	30/60 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit	1,456.14	111.57
		For Electrical Interlock Kit, Add	*328.81*	
26 24 13 00-0153	EA	60/60 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit	1,458.99	111.57
		For Electrical Interlock Kit, Add	*328.81*	
26 24 13 00-0154	EA	60/100 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit	2,194.69	149.39
		For Electrical Interlock Kit, Add	*328.81*	
26 24 13 00-0155	EA	100/100 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit	2,242.30	149.39
		For Electrical Interlock Kit, Add	*328.81*	
26 24 13 00-0156	EA	200/200 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit	4,774.86	195.41
		For Electrical Interlock Kit, Add	*328.81*	
26 24 13 00-0157		**600 Volt, 3 Pole, Single Branch Switch Units** *(26 24 13 00-0127)*		
26 24 13 00-0158	EA	100 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	1,575.65	109.68
		For Electrical Interlock Kit, Add	*328.81*	
26 24 13 00-0159	EA	200 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	2,388.00	109.68
		For Electrical Interlock Kit, Add	*314.99*	
26 24 13 00-0160	EA	400 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	5,809.91	292.85
		For Electrical Interlock Kit, Add	*314.99*	
26 24 13 00-0161	EA	600 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	7,055.80	375.18
26 24 13 00-0162	EA	800 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	12,300.26	508.30
26 24 13 00-0163		**Service And Distribution Structures** *(26 24 13)*		
26 24 13 00-0164		**Distribution Section 600 Volt, 250 Volt DC** *(26 24 13 00-0163)*		
26 24 13 00-0165		**600 Amperes, 4 Wire, Main Bus** *(26 24 13 00-0164)*		
26 24 13 00-0166	EA	14 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	2,943.90	1,159.82
26 24 13 00-0167	EA	24 To 30 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	3,511.20	1,159.82
26 24 13 00-0168	EA	34 To 38 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	3,910.22	1,474.98
26 24 13 00-0169	EA	42 To 48 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,317.49	1,474.98
26 24 13 00-0170		**800 Amperes, 4 Wire, Main Bus** *(26 24 13 00-0164)*		
26 24 13 00-0171	EA	14 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	3,314.53	1,342.61
26 24 13 00-0172	EA	24 To 30 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	3,865.73	1,342.61
26 24 13 00-0173	EA	34 To 38 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,317.49	1,664.09
26 24 13 00-0174	EA	42 To 48 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,683.36	1,664.09
26 24 13 00-0175		**1,200 Amperes, 4 Wire, Main Bus** *(26 24 13 00-0164)*		
26 24 13 00-0176	EA	14 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	3,888.18	1,638.87
26 24 13 00-0177	EA	24 To 30 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,453.15	1,638.87
26 24 13 00-0178	EA	34 To 38 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,933.49	2,017.08
26 24 13 00-0179	EA	42 To 48 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	5,469.50	2,017.08
26 24 13 00-0180		**1,600 Amperes, 4 Wire, Main Bus** *(26 24 13 00-0164)*		
26 24 13 00-0181	EA	14 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,797.67	1,796.46

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0182	EA	24 To 30 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	5,472.82	1,796.46
26 24 13 00-0183	EA	34 To 38 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	6,043.93	2,218.79
26 24 13 00-0184	EA	42 To 48 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	6,510.84	2,218.79
26 24 13 00-0185		**2,000 Amperes, 4 Wire, Main Bus** *(26 24 13 00-0164)*		
26 24 13 00-0186	EA	14 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	5,031.39	1,802.76
26 24 13 00-0187	EA	24 To 30 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	5,761.45	2,029.68
26 24 13 00-0188	EA	34 To 38 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	5,882.31	2,029.68
26 24 13 00-0189	EA	42 To 48 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	6,129.69	2,143.14
26 24 13 00-0190		**3,000 Amperes, 4 Wire, Main Bus** *(26 24 13 00-0164)*		
26 24 13 00-0191	EA	24 To 30 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	6,910.47	2,029.68
26 24 13 00-0192	EA	34 To 38 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	7,029.52	2,029.68
26 24 13 00-0193	EA	42 To 48 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	7,276.90	2,143.14
26 24 13 00-0194		**4,000 Amperes, 4 Wire, Main Bus** *(26 24 13 00-0164)*		
26 24 13 00-0195	EA	24 To 30 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	7,072.09	2,143.14
26 24 13 00-0196	EA	34 To 38 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	7,276.90	2,143.14
26 24 13 00-0197	EA	42 To 48 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	7,366.23	2,143.14
26 24 13 00-0198		**Pull Boy, Horizontal Mounted Across Top Of Switch Board** *(26 24 13 00-0164)*		
26 24 13 00-0199	EA	18 - 24" Wide, 30" High, Open Bottom, Pull Boy Horizontal Mounted, Top Of Switchboard	623.62	151.28
26 24 13 00-0200	EA	Drilled Bottom For Pull Boy	703.18	151.28
26 24 13 00-0201	EA	Cable Supports In Pull Box	250.42	37.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.01*	
26 24 13 00-0202		**Underground Pull Sections** *(26 24 13 00-0164)*		
		Note: Excludes no bus or terminal.		
26 24 13 00-0203	EA	12 To 20" Wide, 15 - 20" Deep, Underground Pull Section Without Bus Or Terminal	605.78	176.50
26 24 13 00-0204	EA	24 To 28" Wide, 20" Deep, Underground Pull Section Without Bus Or Terminal	1,045.70	226.92
26 24 13 00-0205	EA	24 To 28" Wide, 30" Deep, Underground Pull Section Without Bus Or Terminal	1,045.70	226.92
26 24 13 00-0206	EA	14 To 20" Wide, 36" Deep, Underground Pull Section Without Bus Or Terminal	784.08	176.50
26 24 13 00-0207	EA	28 To 30" Wide, 36" Deep, Underground Pull Section Without Bus Or Terminal	1,120.35	258.44
26 24 13 00-0208	EA	14 To 20" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal	1,279.40	258.44
26 24 13 00-0209	EA	26 To 30" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal	1,342.01	334.08
26 24 13 00-0210	EA	38" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal	1,418.29	334.08
26 24 13 00-0211		**Switchboard Sections** *(26 24 13 00-0163)*		
26 24 13 00-0212	EA	600 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit	4,863.00	1,050.52
26 24 13 00-0213	EA	800 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit	5,325.89	1,141.92
26 24 13 00-0214	EA	1,200 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit	6,680.78	1,459.10
26 24 13 00-0215	EA	1,600 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit	7,306.33	1,591.72
26 24 13 00-0216	EA	2,000 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit	7,791.90	1,694.47
26 24 13 00-0217	EA	400 Amperes, 480 Volt, Switchboard Incoming For Switch Circuit Section	5,765.75	921.55
26 24 13 00-0218	EA	200 Amperes, Distribution Section Subfeeder Lug-Rated	3,303.99	875.41
26 24 13 00-0219	EA	400 Amperes, Distribution Section Subfeeder Lug-Rated	3,659.79	949.29
26 24 13 00-0220	EA	120/208 Or 277/480 Volt, 4 Wire, Distribution Section Aluminum Bus	8,192.27	1,050.52
26 24 13 00-0221	EA	800 Amperes, Switchboard Distribution Section Aluminum Bus Less Breaker	8,794.60	1,053.30
26 24 13 00-0222	EA	1,000 Amperes, Switchboard Distribution Section Aluminum Bus Less Breaker	9,654.67	1,175.96
26 24 13 00-0223	EA	15 To 60 Amperes, 240 Volt, 1 Phase, Feed Section Circuit Breaker FA Frame	185.96	63.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.50*	
26 24 13 00-0224	EA	70 To 100 Amperes, 240 Volt, 3 Phase, Feed Section Circuit Breaker FA Frame	226.83	64.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.48*	
26 24 13 00-0225	EA	70 To 225 Amperes, 480 Volt, 3 Phase, Feed Section Circuit Breaker KA Frame	1,039.07	75.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*97.98*	
26 24 13 00-0226	EA	125 To 400 Amperes, 480 Volt, 3 Phase, Feed Section Circuit Breaker LA Frame	1,719.65	163.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*136.44*	
26 24 13 00-0227	EA	100 Amperes, 240 Volt HIC, 3 Phase, Switchboard Feed Section Branch Circuit Breaker	686.92	227.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.79*	
26 24 13 00-0228	EA	225 Amperes, 240 Volt HIC, 3 Phase, Switchboard Feed Section Branch Circuit Breaker	1,927.69	131.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*97.98*	
26 24 13 00-0229		**Switchboard, Structure Per Section Copper, 480 Volt** *(26 24 13 00-0163)*		
26 24 13 00-0230	EA	225 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	2,521.10	547.13
26 24 13 00-0231	EA	400 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	3,583.91	739.89
26 24 13 00-0232	EA	600 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	4,024.87	900.50
26 24 13 00-0233	EA	800 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	5,083.25	1,260.68
26 24 13 00-0234	EA	1,200 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	6,299.85	1,575.84
26 24 13 00-0235	EA	1,600 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	6,933.96	1,575.84
26 24 13 00-0236	EA	2,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	8,569.29	2,101.17
26 24 13 00-0237	EA	2,500 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	9,785.18	2,101.17
26 24 13 00-0238	EA	3,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	11,508.36	2,501.31
26 24 13 00-0239	EA	4,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	13,745.72	2,501.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0240		**Main Devices** *(26 24 13)*		
26 24 13 00-0241		**Power Circuit Breakers** *(26 24 13 00-0240)*		
26 24 13 00-0242		**DSL Breaker With Current Limiters And Amptector** *(26 24 13 00-0241)*		
		Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.		
26 24 13 00-0243	EA	50 To 800 Amperes, DSL-206, Main Breaker With Current Limiter, Amptector Static Trip	8,814.40	1,323.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*792.54*	
26 24 13 00-0244	EA	50 To 1,600 Amperes, DSL-416, Main Breaker With Current Limiter, Amptector Static Trip	16,073.10	2,206.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,322.39*	
26 24 13 00-0245	EA	1,200 To 3,200 Amperes, DSL-632, Main Breaker With Current Limiter, Amptector Static Trip	36,131.55	3,706.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2,203.97*	
26 24 13 00-0246	EA	4,000 Amperes, DSL-840, Main Breaker With Current Limiter, Amptector Static Trip	58,216.24	6,000.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3,664.75*	
26 24 13 00-0247	EA	Ground-Fault Trip All Power Breakers - Factory Installed	3,044.81	
26 24 13 00-0248	EA	Key Interlock All Power Breakers - Factory Installed	393.23	
26 24 13 00-0249	EA	Short Time Delay Selective Trip - Factory Installed	515.89	
26 24 13 00-0250	EA	Shunt Trip Manually Open Breakers - Factory Installed	371.58	
26 24 13 00-0251		**DSL Breaker Electrical Operated And Amptector** *(26 24 13 00-0241)*		
		Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.		
26 24 13 00-0252	EA	50 To 800 Amperes, DSL-206, Main Breaker, Electrical Operated With Amptector Static Trip	10,319.28	1,386.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*835.99*	
26 24 13 00-0253	EA	50 To 1,600 Amperes, DSL-416, Main Breaker, Electrical Operated With Amptector Static Trip	19,154.99	2,332.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,392.50*	
26 24 13 00-0254	EA	1,200 To 3,200 Amperes, DSL-632, Main Breaker, Electrical Operated With Amptector Static Trip	40,577.25	3,845.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2,317.42*	
26 24 13 00-0255	EA	4,000 Amperes, DSL-840, Main Breaker, Electrical Operated With Amptector Static Trip	62,694.30	6,303.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3,875.03*	
26 24 13 00-0256		**DS Breakers With Amptector Static Trip, Manually Operated** *(26 24 13 00-0241)*		
		Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted manually operated.		
26 24 13 00-0257	EA	50 To 800 Amperes, DS-206, Main Breaker With Groundfault, Amptector Static Trip	7,024.05	1,210.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*727.31*	
26 24 13 00-0258	EA	50 To 1,600 Amperes, DS-416, Main Breaker With Groundfault, Amptector Static Trip	12,841.35	2,029.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,212.19*	
26 24 13 00-0259	EA	2,000 Amperes, DS-420, Main Breaker With Groundfault, Amptector Static Trip	19,052.49	3,403.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2,020.31*	
26 24 13 00-0260	EA	1,200 To 3,200 Amperes, DS-632, Main Breaker With Groundfault, Amptector Static Trip	32,870.54	5,483.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3,364.79*	
26 24 13 00-0261	EA	4,000 Amperes, DS-840, Main Breaker With Groundfault, Amptector Static Trip	53,501.97	8,950.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5,594.71*	
26 24 13 00-0262		**DS Breakers With Amptector Static Trip, Electrically Operated** *(26 24 13 00-0241)*		
		Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted electrical operated.		
26 24 13 00-0263	EA	50 To 800 Amperes, DS-206, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	8,272.05	1,159.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*693.69*	
26 24 13 00-0264	EA	50 To 1,600 Amperes, DS-416, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	15,426.07	1,941.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,155.88*	
26 24 13 00-0265	EA	2,000 Amperes, DS-420, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	21,991.55	3,227.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,929.60*	
26 24 13 00-0266	EA	1,200 To 3,200 Amperes, DS-632, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	36,297.84	5,257.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3,216.01*	
26 24 13 00-0267	EA	4,000 Amperes, DS-840, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	56,791.74	9,013.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5,372.19*	
26 24 13 00-0268		**Molded Case Circuit Breakers Conventional** *(26 24 13 00-0241)*		
26 24 13 00-0269	EA	70 To 225 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	3,009.19	1,058.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*610.00*	
26 24 13 00-0270	EA	125 To 400 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	4,381.68	1,058.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*663.51*	
26 24 13 00-0271	EA	300 To 600 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	4,859.49	1,260.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*727.31*	
26 24 13 00-0272	EA	400 To 800 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	5,770.42	1,260.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*787.92*	
26 24 13 00-0273	EA	600 To 1,200 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	8,538.57	1,512.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*863.48*	
26 24 13 00-0274	EA	1,000 To 2,000 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	13,762.79	1,512.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*955.06*	
26 24 13 00-0275	EA	Shunt Trip, Factory Installed	389.62	
26 24 13 00-0276	EA	Groundfault Trip Complete Interrupting Circuit, Factory Installed	90.19	
26 24 13 00-0277		**Switchboard Branch Breaker 480 Volt** *(26 24 13 00-0240)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0278	EA	60 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	620.91	91.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.81*	
26 24 13 00-0279	EA	100 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	732.98	121.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.73*	
26 24 13 00-0280	EA	225 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	2,112.02	182.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*109.56*	
26 24 13 00-0281	EA	400 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	2,791.16	229.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*137.43*	
26 24 13 00-0282	EA	600 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	3,379.66	307.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*184.31*	
26 24 13 00-0283	EA	800 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	4,082.64	393.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*236.38*	
26 24 13 00-0284	EA	1,000 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	6,565.22	600.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*360.19*	
26 24 13 00-0285	EA	1,200 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	6,565.22	600.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*360.19*	
26 24 13 00-0286	EA	1,600 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	9,208.06	840.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*504.27*	
26 24 13 00-0287	EA	2,000 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	11,499.20	1,260.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*756.41*	
26 24 13 00-0288		**Switchboard 277/480 Volt Main Breaker** *(26 24 13 00-0240)*		
26 24 13 00-0289	EA	400 Amperes, 277/480 Volt, Main Breaker, Switchboard	7,450.47	547.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*328.30*	
26 24 13 00-0290	EA	600 Amperes, 277/480 Volt, Main Breaker, Switchboard	7,554.49	599.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*359.51*	
26 24 13 00-0291	EA	800 Amperes, 277/480 Volt, Main Breaker, Switchboard	8,157.10	900.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*540.29*	
26 24 13 00-0292	EA	1,200 Amperes, 277/480 Volt, Main Breaker, Switchboard	13,939.96	1,260.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*756.41*	
26 24 13 00-0293	EA	1,600 Amperes, 277/480 Volt, Main Breaker, Switchboard	14,207.72	1,394.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*836.73*	
26 24 13 00-0294	EA	2,000 Amperes, 277/480 Volt, Main Breaker, Switchboard	18,785.76	2,501.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,500.80*	
26 24 13 00-0295		**Branch Or Distribution Devices** *(26 24 13)*		
26 24 13 00-0296		**3 Pole, Panel Mounted, Molded Case Circuit Breakers** *(26 24 13 00-0295)*		
		Note: Includes certified refurbished circuit breakers.		
26 24 13 00-0297	EA	15 To 60 Amperes, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	665.93	45.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.26*	
26 24 13 00-0298	EA	70 To 100 Amperes, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	671.37	56.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.82*	
26 24 13 00-0299	EA	125 To 150 Amperes, 600 Volt, Type FB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	1,622.85	68.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.38*	
26 24 13 00-0300	EA	70 To 225 Amperes, 600 Volt, Type JDB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	2,354.43	88.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.62*	
26 24 13 00-0301	EA	125 To 400 Amperes, 600 Volt, Type LBB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	3,321.05	108.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.62*	
26 24 13 00-0302	EA	300 To 600 Amperes, 600 Volt, Type LC, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	4,351.37	127.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*85.10*	
26 24 13 00-0303	EA	900 To 1,000 Amperes, 600 Volt, Type NB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	6,647.95	143.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*96.06*	
26 24 13 00-0304	EA	50 Amperes, 3 Pole, 277/408V AC Molded Case Circuit Breaker (SquareD BDL36050LU) Note: 14kA, lugs, thermal magnetic, 80%, control wire ON end	1,343.65	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.69*	
26 24 13 00-0305		**2 Pole, Panel Mounted, Molded Case Circuit Breakers** *(26 24 13 00-0295)*		
		Note: Includes certified refurbished circuit breakers.		
26 24 13 00-0306	EA	15 To 60 Amperes, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	458.55	34.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.69*	
26 24 13 00-0307	EA	70 To 100 Amperes, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	588.99	45.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.26*	
26 24 13 00-0308	EA	125 To 150 Amperes, 600 Volt, Type FB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	1,618.29	56.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.82*	
26 24 13 00-0309	EA	70 To 225 Amperes, 600 Volt, Type JDB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	2,566.95	63.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.60*	
26 24 13 00-0310	EA	125 To 400 Amperes, 600 Volt, Type LBB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	2,710.85	81.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.84*	
26 24 13 00-0311	EA	900 To 1,000 Amperes, 600 Volt, Type NB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	6,150.99	119.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*79.42*	
26 24 13 00-0312		**Meter Devices And Instrumentation** *(26 24 13)*		
		Note: Factory installed accessories.		
26 24 13 00-0313		**Compartments For Instrument Transformers And Metering Devices** *(26 24 13 00-0312)*		
26 24 13 00-0314	EA	Compartment For, Up To 800 Amperes, Primary Current Transformer	470.79	
26 24 13 00-0315	EA	Compartment For, 1,000 To 1,500 Amperes, Primary Current Transformer	680.03	
26 24 13 00-0316	EA	Compartment For, 2,000 To 6,000 Amperes, Primary Current Transformer	800.89	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0317		**Instruments** *(26 24 13 00-0312)*		
26 24 13 00-0318	EA	AC Voltmeter	642.15	
26 24 13 00-0319	EA	AC Ammeter	642.15	
26 24 13 00-0320	EA	AC Wattmeter	1,715.41	
26 24 13 00-0321	EA	Variometer	1,937.28	
26 24 13 00-0322	EA	Power Factor Meter	1,547.66	
26 24 13 00-0323	EA	Frequency Meter	1,708.19	
26 24 13 00-0324	EA	200 Volt-Amperes Max Potential Transformer	577.21	
26 24 13 00-0325	EA	AC Watt-hour Meter Indicating 1 Or 2 Element With Test Block And Plug Block	2,173.57	
26 24 13 00-0326	EA	AC Watt-hour Meter Recording 2 Element With Recording KW Demand Type R-2	3,636.45	
26 24 13 00-0327	EA	Weatherproof, Modify Meter	3,505.82	
26 24 13 00-0328	EA	Control Switch Resistor Type 130 V	82.24	
26 24 13 00-0329	EA	Metering Instrument: Voltage, Amperes And Watt Hour	4,386.48	
26 24 13 00-0330		**Intergrated Switchboard With NEMA 3R Enclosure** *(26 24 13)*		
26 24 13 00-0331	EA	1200 Amp, 480Y/277V 3-Phase 4-Wire, IFS Switchboard, Front Access/ Front and Rear Align, Type 3R (nonwalk-in) Flat Roof, Copper, Minimum Interrupting Rating: 35kA, Bus Bracing Rating: 65kA	85,460.00	
		Note: List of Materials: 1 - IFS Switchboard, 6 - Type 3R (nonwalk-in) Flat Roof, 6 - Seismic Freestanding Label (IBC/CBC Seismic Qualified), 6 - Heater Package - (CPT, heater, thermostat, fused disconnect), 1 - FILTERED LOUVERS, 1 - GFCI RECEPTACLE, 1 - 1200 Amp CU Distribution Structure, 9 - Nameplate, 8 - Padlockable lockoff device, 1 - Digitrip 310+ ALSIG w/ ArcFlash Reduction Maintenance System, 1 - Local using blue light / switch on face of Switchboard, 1 - Digitrip 310+ LSIG, 2 - 225A 310p LSIG Trip Unit, Included, 4 - Thermal Mag Trip - Standard, 1 - SPD Series 250kA SPD, Standard w/ Surge Counter (Disconnect Included), 1 - 1200 Amp Customer Metering - PXM2270, CTs, With Display, 1 - PXM2270 METER/DISPLAY 60HZ 5A 90-265V AC/DC, 1 - PXM2000 Gateway Card, Included, 1 - SPD BREAKER NEEDS TO HAVE LSIG, 2 - IFS Integration Structure, 2 - General Purpose, DOE 2016 Rated Transformer, 3Ph, 480V-208Y/120V, 1 - 15 deg C, Cu Windings, 150 KVA with Factory Connections, 3 - IFS Integration Structure, 3 - Standard Trim, IFS, 3 - Panel Nameplate - White with Black Letters, 3 - Circuit Directory - Plastic Sleeve with Card, 3 - IFS Panelboard Nameplate, 1 - 400A, Main Lugs Only, 3 - ****TVSS None, 1 - ****Asco None, 3 - ****Main Chassis, 24 - 20A, 1P FD Branch Breaker, 1 - 15A, 3P FD Branch Breaker, 15 - 1P FD Branch Provision Only, 3 - ****USA chassis, 3 - Seismic Label (IBC/CBC Seismic Qualified), 1 - Std. Bolted Cu Ground Bar (Cu Cable Only), 1 - IFS - Panelboard PRL3a, 3 - Copper Main Bus, 400 Amps, 1 - Installation and Connection, Panel SL1-GD-HNP-PNL-01, 2 - Std. Bolted Cu Ground Bar (Cu Cable Only), 2 - 400A, 3P DK Main Breaker, 2 - PXBCM Advanced + Energy (Main and Branch Devices), 42 Circuit, 2 - ****IQ Metering - Main Incoming Service, 84 - 20A, 1P QBHW Branch Breaker, 2 - IFS - Panelboard PRL1a, 1 - Installation and Connection, Panel SL1-GD-LNP-PNL-02, 1 - LED LIGHT PER STRUCTURE WITH SWITCH, 1 - 1200A Adj, 3P [NGS 1200A Frame], Trip 1200 A, 310+ w/ ARMS, (4) 4/0- 500 kcmil, Mechanical, Bottom, 1 - 400A 3P [KD 400A Frame], Trip 400 A, 310+, (1) 2/0-500 kcmil, Mechanical, 2 - 175A 3P [FDE 225A Frame], Trip 175 A, 225A 310+, (1) #4-4/0, Mechanical, 4 - 100A 3P [FD 225A Frame], Trip 100 A, Thermal Mag, (1) #14-1/0, Mechanical		
		For NETA Job Site Acceptance Testing / Meter Start Up, Add	*7,885.00*	
		For Short Circuit, Coordination, Arc Flash Studies and Arc Flash Labels, Add	*8,450.00*	
26 24 13 00-0332		**Special-made direct factory replacement GE-TPS/SSGF Main 2000AF/1600AT Circuit Breaker with SS Trip Unit and Ground Fault Protection** *(26 24 13)*		
26 24 13 00-0333	EA	Direct Factory Replacement GE-TPS/SSGF Main 2000AF/1600AT Circuit Breaker with SS Trip unit and Ground Fault Protection	60,819.99	
		Note: Includes (1) GE Factory Neutral Sensor and Power Supply Needs to be installed by GE-ABB Factory Authorized Service Center. This Assembly is custom made for direct factory replacement at 405 South Santa Anita Ave Main Panel. Zinsco Original Panel was manufactured with the above exact GE Circuit Breaker which has been factory upgraded with GE-ABB Solid State Trip Unit and a factory Like for Like TPS replacement which would not void original UL Listing. Complete installation of Main Circuit Breaker Hardware, GF Neutral Sensor and Ground Bond system repair including NETA GF and Primary Test Certification.		
		For NETA GFI Certification, Add	*1,620.00*	
26 24 13 00-0334		**Main Switchboard with Manual Transfer Switch** *(26 24 13)*		
26 24 13 00-0335	EA	Main Switchboard "MSB", 600A, 208/120V, 3-Phase, 4-Wire, NEMA3R, 42kAIC (Eaton Pow-R-Line C)	39,211.02	1,102.60
26 24 13 00-0336	EA	Manual Transfer Switch "MTS" 600A, 3-Pole, NEMA 3R, 42KAIC (ASCO)	24,753.95	1,036.52
26 24 13 00-0337		**Custom Switchboard With NEMA 3R Enclosure** *(26 24 13)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0338	EA	One (1) Main Switchboard "MSB" Pow-R-Line Xpert Switchboard, Front Access/Front and Rear Align, Type 3R (nonwalk-in) Flat Roof, 208Y/120V 3- Phase 4-Wire, 600 Copper, Minimum Interrupting Rating: 65kA, Bus Bracing Rating: 65kA, Depth: 24 In (Eaton Pow-R-Line Xpert) and One (1) Manual Transfer Switch "MTS" Quick Connect Switch QCDT(Eaton)	58,188.08	2,662.52
		Note: Includes: Delivery, assembly, installation, testing and commissioning of custom and special order electrical equipment Journeyman Medium Voltage Electricians, Equipment Operator. Prevailing wages [hourly wage compensation including PPE for energized equipment] Installation, testing and commissioning performed during normal business hours. MSB Structure 1: 600 Amp CU Main Structure, Structure 2: 600 Amp CU Bussed Utility Pull Section MSB List of Materials: 1 Pow-R-Line Xpert 2 Type 3R (nonwalk-in) Flat Roof 1 Service Entrance Label 2 Copper Ground Bus 2 Seismic Freestanding Label (IBC/CBC Seismic Qualified) 1 600 Amp CU Bussed Utility Pull Section 1 600A Pull Section - SOUTHERN CALIFORNIA EDISON (SCE) 2 Horizontal Isol. Barrier (Service Entrance) 1 600 Amp CU Main Structure 1 600A Utility Metering - SOUTHERN CALIFORNIA EDISON (SCE) 1 Utility Meter Socket 1 SPD Series 160kA SPD, Standard w/ Surge Counter (Disconnect Included) 1 Padlockable lockoff device 1 600A, 3P PDG33G Breaker [600A Frame], Trip 600 A, Thermal Mag MTS List of Materials: 1 DT, 3P, 3W+G, 240V, 600A, Fused, No Neut, NEMA 3R 1 Device Voltage Rating, 240 VAC, 250 VDC 1 Pole Configuration, 3-Pole, 3-Wire, (No Neutral) 1 Amperage, 600 1 Upper Utility Power Switch, Fused 1 Lower Generator Power Switch, Fused 1 Enclosure Type, Type 3R 1 Quick Connect Receptacle Designation, CamLok		

26 24 16 Panelboards *(26 24)*

26 24 16 00-0001 Branch Circuit Panelboard *(26 24 16)*

Note: Includes wiring connections, drilling hole (or removing knock-out on residential units), labeling and testing. All NEMA 3R panelboards include weatherproof hubs. Copper bussing. Panelboards with less than a 30 circuit capacity do not have the door in a door trim front option.

26 24 16 00-0002 Assembled Lighting And Power Panelboards *(26 24 16 00-0001)*

Note: Includes main lugs or breaker (as indicated). 20 Amp, 1 pole branch circuit plug-on breakers (the number of which is indicated). Panelboard box, trim and connection of main service cable from meter.

26 24 16 00-0003 120/240 Volt, 3 Wire, 1 Phase, Main Lugs Assembled Panelboards *(26 24 16 00-0002)*

26 24 16 00-0004	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	1,340.33	359.29
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0005	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	1,524.71	359.29
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0006	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	1,732.37	497.97
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0007	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	1,942.47	497.97
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0008	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	2,140.25	624.04
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0009	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	2,343.16	624.04
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0010	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	2,539.23	718.59
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0011	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	3,051.22	920.30
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0012	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	3,212.47	920.30
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0013	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard WithTwenty-Six 20 Ampere Breakers	3,370.74	1,052.67
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0014	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	3,625.83	1,052.67
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0015	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	3,782.93	1,185.04
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0016	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	4,016.61	1,185.04
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0017	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	4,159.89	1,311.11
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0018	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	4,394.28	1,311.11
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0019	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	4,610.01	1,449.77
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0020	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	4,759.01	1,449.77
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0021	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	4,976.69	1,449.77
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0022		120/240 Volt, 3 Wire, 1 Phase, Main Breaker Assembled Panelboards *(26 24 16 00-0002)*		
26 24 16 00-0023	EA	50 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	1,585.57	346.69
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0024	EA	50 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	1,772.69	346.69
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0025	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	2,204.56	592.52
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0026	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	2,499.78	592.52
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0027	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	2,701.55	724.89
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0028	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Cpacity Assembled Panelboard With Eighteen 20 Ampere Breakers	2,911.91	724.89
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0029	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	3,098.78	869.87
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0030	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	3,748.39	869.87
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0031	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	3,915.03	1,065.27
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0032	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	4,095.95	1,065.27
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0033	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	4,294.05	1,197.65
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0034	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	4,454.83	1,197.65
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0035	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	4,626.19	1,311.11
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0036	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	4,809.77	1,311.11
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0037	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	5,007.57	1,550.63
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0038	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	5,222.01	1,550.63
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0039	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	5,456.12	1,550.63
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0040	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	5,601.16	1,638.87
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0041		120/208 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards *(26 24 16 00-0002)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0042	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	1,617.29	409.72
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0043	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	1,816.11	409.72
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0044	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	2,041.61	548.40
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0045	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	2,278.26	548.40
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0046	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	2,490.57	674.46
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0047	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	2,717.43	674.46
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0048	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	2,931.05	800.53
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0049	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	3,152.35	800.53
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0050	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	3,357.57	939.21
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0051	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	3,593.90	939.21
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0052	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	3,835.15	1,084.18
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0053	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	4,071.42	1,084.18
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0054	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	4,544.88	1,311.11
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0055	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	4,706.64	1,311.11
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0056	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	4,982.03	1,456.07
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0057	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	5,232.64	1,456.07
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0058	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	5,409.28	1,588.45
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0059	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	5,660.39	1,588.45
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0060	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	5,495.08	1,409.44
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0061	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	5,673.56	1,481.29
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0062	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	5,961.47	1,560.09
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0063	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	6,231.16	1,651.48
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0064	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	6,418.90	1,701.91
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0065	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	6,722.50	1,805.92
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	

26 24 16 00-0066 120/208 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards *(26 24 16 00-0002)*

26 24 16 00-0067	EA	50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	1,920.12	397.11
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0068	EA	50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	2,121.50	397.11
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0069	EA	50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	2,360.65	523.18
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0070	EA	50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	2,691.49	523.18
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0071	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	3,184.79	787.92
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0072	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	3,392.09	787.92
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0073	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	3,616.79	920.30
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0074	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	3,804.28	920.30
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0075	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	4,056.26	1,065.27
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0076	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	4,229.18	1,065.27
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0077	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	4,507.63	1,197.65
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0078	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	4,745.99	1,197.65
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0079	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	5,575.98	1,386.74
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0080	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	5,823.52	1,462.38
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0081	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	5,929.26	1,462.38
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0082	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	6,207.35	1,651.48
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0083	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	6,400.76	1,651.48
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0084	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two- 20 Ampere Breakers	6,529.05	1,651.48
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0085	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	6,554.46	1,519.11
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0086	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	6,825.26	1,607.36
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0087	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	6,934.62	1,651.48
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0088	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	7,234.87	1,752.33
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0089	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	7,427.21	1,802.76
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0090	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	7,609.59	1,865.80
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0091		**480 Volt, 3 Wire, 3 Phase, Main Lugs Assembled Panelboards** *(26 24 16 00-0002)*		
26 24 16 00-0092	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	1,822.21	403.42
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0093	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	2,084.51	403.42
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0094	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	2,336.00	554.70
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0095	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	2,598.28	554.70
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0096	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	2,842.89	693.37
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0097	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	3,100.63	693.37
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0098	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard WithTwenty 20 Ampere Breakers	3,369.59	838.35
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0099	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	3,616.12	838.35
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0100	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard WithTwenty-Four 20 Ampere Breakers	3,887.11	995.94
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0101	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	4,148.76	995.94
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0102	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	4,389.33	1,134.61
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0103	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	4,647.07	1,134.61
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0104	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	5,198.13	1,380.43
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0105	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	5,455.57	1,380.43
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0106	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	5,729.66	1,512.81
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0107	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty- Eight 20 Ampere Breakers	5,929.76	1,512.81
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0108	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	6,234.71	1,670.39
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0109	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	6,452.44	1,670.39
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0110		**480 Volt, 3 Wire, 3 Phase, Main Breaker Assembled Panelboards** *(26 24 16 00-0002)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0111	EA	50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	2,316.81	428.63
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0112	EA	50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	2,573.13	466.45
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0113	EA	50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	2,832.28	579.91
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0114	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers,	3,404.74	705.98
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0115	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	3,652.43	781.62
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0116	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	3,877.95	844.66
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0117	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	4,126.79	920.30
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0118	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	4,366.13	995.94
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0119	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	4,584.89	1,058.97
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0120	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	4,819.77	1,122.00
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0121	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	5,074.16	1,197.65
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0122	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	5,352.43	1,292.20
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0123	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	6,725.07	1,437.16
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0124	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	6,991.79	1,525.41
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0125	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	7,180.68	1,563.23
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0126	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	7,480.91	1,664.09
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0127	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Cpacity Assembled Panelboard With Forty 20 Ampere Breakers	7,688.93	1,727.12
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0128	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	7,904.74	1,781.34
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0129		277/480 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards *(26 24 16 00-0002)*		
26 24 16 00-0130	EA	100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	2,215.23	441.24
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0131	EA	100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	2,507.54	441.24
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0132	EA	100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	2,792.19	586.22
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0133	EA	100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	3,079.19	586.22
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0134	EA	100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	3,370.92	724.89
		For NEMA 3R Panelboard, Add	*1,579.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0135	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	3,656.54	724.89
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0136	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	3,946.90	869.87
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0137	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	4,236.05	869.87
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0138	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	4,552.29	1,021.15
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0139	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	4,816.62	1,021.15
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0140	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	5,096.09	1,027.45
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0141	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 32 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	5,393.88	1,027.45
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0142	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	6,145.56	1,424.56
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0143	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	6,450.12	1,424.56
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0144	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	6,684.48	1,500.20
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0145	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	7,017.36	1,601.05
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0146	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	7,267.80	1,601.05
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0147	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	7,637.63	1,752.33
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	

26 24 16 00-0148 277/480 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards *(26 24 16 00-0002)*

26 24 16 00-0149	EA	50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	2,874.27	542.09
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0150	EA	50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	3,173.58	542.09
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0151	EA	50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	3,461.47	718.59
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0152	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	4,123.30	718.59
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0153	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	4,401.10	907.69
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0154	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	4,678.46	907.69
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0155	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	4,946.31	1,040.06
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0156	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	5,193.59	1,040.06
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0157	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	5,456.98	1,185.04
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0158	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	5,739.88	1,185.04
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0159	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	5,982.64	1,311.11
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0160	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	6,237.60	1,311.11
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0161	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	8,140.84	1,550.63
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0162	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	8,451.08	1,550.63
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0163	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	8,678.88	1,695.60
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0164	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	9,026.08	1,695.60
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0165	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	9,275.15	1,853.19
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0166	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	9,532.84	1,853.19
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0167	EA	400 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	11,306.30	2,063.73
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0168	EA	600 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >400 To 600 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	13,761.20	2,477.22
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	

26 24 16 00-0169 Unassembled Lighting And Power Panelboards *(26 24 16 00-0001)*

Note: Includes the main device (lugs or breaker), connection of main service cable from meter and that portion of the panel box, trim and interior occupied by that device. Spaces include that portion of the panel box, trim and interior reserved by that space. The maximum single pole capacity of the panelboard main device (lugs, breakers) is indicated. Excludes branch breakers. A complete panelboard will be the sum of main device and the branch circuit breakers and spaces (within the capacity of the main device). See CSI section 26 28 16 13-0001 for circuit breakers.

26 24 16 00-0170 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards *(26 24 16 00-0169)*

Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers.

26 24 16 00-0171 Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards *(26 24 16 00-0170)*

26 24 16 00-0172	EA	100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	704.90
26 24 16 00-0173	EA	100 Ampere Rating, 20 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	811.22
26 24 16 00-0174	EA	225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,105.27
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*
26 24 16 00-0175	EA	225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,275.85
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*
26 24 16 00-0176	EA	225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,443.89
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*
26 24 16 00-0177	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,615.11
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*
26 24 16 00-0178	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,753.61
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*
26 24 16 00-0179	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,920.47
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*
26 24 16 00-0180	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,091.16
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0181	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,229.21	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0182	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,435.19	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	

26 24 16 00-0183 Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards *(26 24 16 00-0170)*

26 24 16 00-0184	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,048.82	
26 24 16 00-0185	EA	100 Ampere Rating, 20 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,188.59	
26 24 16 00-0186	EA	225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,904.93	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0187	EA	225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,115.42	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0188	EA	225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,313.38	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0189	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	4,011.43	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0190	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	4,248.37	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0191	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	4,462.23	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	

26 24 16 00-0192 Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards *(26 24 16 00-0170)*

26 24 16 00-0193	EA	100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,424.15	
26 24 16 00-0194	EA	100 Ampere Rating, 20 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,522.25	
26 24 16 00-0195	EA	225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,799.17	
26 24 16 00-0196	EA	225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,966.34	
26 24 16 00-0197	EA	225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,121.36	
26 24 16 00-0198	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,425.47	
26 24 16 00-0199	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,555.06	
26 24 16 00-0200	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,713.70	
26 24 16 00-0201	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,947.42	
26 24 16 00-0202	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	3,080.43	
26 24 16 00-0203	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	3,273.65	

26 24 16 00-0204 Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards *(26 24 16 00-0170)*

26 24 16 00-0205	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,759.85	
26 24 16 00-0206	EA	100 Ampere Rating, 20 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,890.72	
26 24 16 00-0207	EA	225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,731.73	
26 24 16 00-0208	EA	225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,925.78	
26 24 16 00-0209	EA	225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	3,111.41	
26 24 16 00-0210	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	4,792.33	
26 24 16 00-0211	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	5,021.05	
26 24 16 00-0212	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	5,232.86	

26 24 16 00-0213 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards *(26 24 16 00-0169)*

Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 24 16 00-0214 Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards *(26 24 16 00-0213)*

26 24 16 00-0215	EA	100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	794.60	
26 24 16 00-0216	EA	100 Ampere Rating, 24 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	934.61	
26 24 16 00-0217	EA	100 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,052.25	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0218	EA	225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,191.74	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0219	EA	225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,371.82	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0220	EA	225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,519.29	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0221	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,751.90	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0222	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,887.93	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0223	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,038.18	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0224	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,243.00	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0225	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,475.36	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0226	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,927.75	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	

26 24 16 00-0227 Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards *(26 24 16 00-0213)*

26 24 16 00-0228	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,229.67	
26 24 16 00-0229	EA	100 Ampere Rating, 24 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,386.97	
26 24 16 00-0230	EA	100 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,591.80	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0231	EA	225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,357.93	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0232	EA	225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,553.41	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0233	EA	225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,736.14	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0234	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,785.63	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0235	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	4,006.00	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0236	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	4,188.81	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	

26 24 16 00-0237 Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards *(26 24 16 00-0213)*

26 24 16 00-0238	EA	100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,513.85	
26 24 16 00-0239	EA	100 Ampere Rating, 24 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,645.64	
26 24 16 00-0240	EA	100 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,754.38	
26 24 16 00-0241	EA	225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,885.65	
26 24 16 00-0242	EA	225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,062.30	
26 24 16 00-0243	EA	225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,196.76	
26 24 16 00-0244	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,562.26	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0245	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,689.38	
26 24 16 00-0246	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,831.42	
26 24 16 00-0247	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,099.26	
26 24 16 00-0248	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,315.86	
26 24 16 00-0249	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,768.24	

26 24 16 00-0250 Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards *(26 24 16 00-0213)*

26 24 16 00-0251	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,940.70	
26 24 16 00-0252	EA	100 Ampere Rating, 24 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,089.10	
26 24 16 00-0253	EA	100 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,289.14	
26 24 16 00-0254	EA	225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,184.72	
26 24 16 00-0255	EA	225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,363.77	
26 24 16 00-0256	EA	225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,534.17	
26 24 16 00-0257	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	5,284.68	
26 24 16 00-0258	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	5,512.18	
26 24 16 00-0259	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	5,707.04	

26 24 16 00-0260 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards *(26 24 16 00-0169)*

Note: As manufactured by Square D or equal.

26 24 16 00-0261 Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards *(26 24 16 00-0260)*

26 24 16 00-0262	EA	125 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,138.51	
26 24 16 00-0263	EA	125 Ampere Rating, 18 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,249.76	
26 24 16 00-0264	EA	250 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,726.00	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0265	EA	250 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,924.66	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0266	EA	250 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,096.53	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0267	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,092.18	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0268	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,205.09	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0269	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,395.67	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0270	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,533.30	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0271	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,715.45	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0272	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,965.50	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	

26 24 16 00-0273 Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards *(26 24 16 00-0260)*

26 24 16 00-0274	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,332.17	
26 24 16 00-0275	EA	100 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,405.79	
26 24 16 00-0276	EA	125 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,611.92	
26 24 16 00-0277	EA	125 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,752.57	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0278	EA	125 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,033.12	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0279	EA	250 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,942.00	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0280	EA	250 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,116.31	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0281	EA	250 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,341.15	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0282	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,482.24	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0283	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,717.91	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0284	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,931.39	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	

26 24 16 00-0285 Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards *(26 24 16 00-0260)*

26 24 16 00-0286	EA	125 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,833.11	
26 24 16 00-0287	EA	125 Ampere Rating, 18 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,944.36	
26 24 16 00-0288	EA	250 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,404.16	
26 24 16 00-0289	EA	250 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,722.01	
26 24 16 00-0290	EA	250 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,880.17	
26 24 16 00-0291	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,875.82	
26 24 16 00-0292	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,968.18	
26 24 16 00-0293	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,129.31	
26 24 16 00-0294	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,335.43	
26 24 16 00-0295	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,500.81	
26 24 16 00-0296	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,714.81	

26 24 16 00-0297 Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards *(26 24 16 00-0260)*

26 24 16 00-0298	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,174.72	
26 24 16 00-0299	EA	100 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,248.34	
26 24 16 00-0300	EA	125 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,296.24	
26 24 16 00-0301	EA	125 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,430.72	
26 24 16 00-0302	EA	125 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,830.46	
26 24 16 00-0303	EA	250 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,725.64	
26 24 16 00-0304	EA	250 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,879.40	
26 24 16 00-0305	EA	250 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	5,074.78	
26 24 16 00-0306	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	5,215.87	
26 24 16 00-0307	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	5,432.72	
26 24 16 00-0308	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	5,643.34	

26 24 16 00-0309 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards *(26 24 16 00-0169)*

Note: As manufactured by Square D or equal.

26 24 16 00-0310 Main Lugs, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards *(26 24 16 00-0309)*

26 24 16 00-0311	EA	125 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,185.09	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0312	EA	125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,297.03	
26 24 16 00-0313	EA	125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,500.93	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0314	EA	250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,794.54	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0315	EA	250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,994.72	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0316	EA	250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,165.25	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0317	EA	400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,182.77	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0318	EA	400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,317.43	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0319	EA	400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,506.57	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0320	EA	600 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,644.42	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0321	EA	600 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,827.46	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0322	EA	600 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	3,078.45	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	

26 24 16 00-0323 Main Breaker, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards *(26 24 16 00-0309)*

26 24 16 00-0324	EA	100 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,571.92	
26 24 16 00-0325	EA	100 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,646.22	
26 24 16 00-0326	EA	100 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,867.51	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0327	EA	125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,941.49	
26 24 16 00-0328	EA	125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	3,082.70	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0329	EA	125 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	3,362.53	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0330	EA	250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	4,328.56	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0331	EA	250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	4,504.98	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0332	EA	250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	4,727.44	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0333	EA	400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	4,945.45	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0334	EA	400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	5,183.38	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0335	EA	400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	5,396.74	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	

26 24 16 00-0336 Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards *(26 24 16 00-0309)*

26 24 16 00-0337	EA	125 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	1,879.69	
26 24 16 00-0338	EA	125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	1,991.62	
26 24 16 00-0339	EA	125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,185.25	
26 24 16 00-0340	EA	250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,472.70	
26 24 16 00-0341	EA	250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,792.06	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0342	EA	250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,948.89	
26 24 16 00-0343	EA	400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,968.47	
26 24 16 00-0344	EA	400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	3,080.52	
26 24 16 00-0345	EA	400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	3,240.20	
26 24 16 00-0346	EA	600 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	3,446.55	
26 24 16 00-0347	EA	600 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	3,612.47	
26 24 16 00-0348	EA	600 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	3,826.47	

26 24 16 00-0349 Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards *(26 24 16 00-0309)*

26 24 16 00-0350	EA	100 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,250.07	
26 24 16 00-0351	EA	100 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,324.38	
26 24 16 00-0352	EA	100 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,664.85	
26 24 16 00-0353	EA	125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,625.81	
26 24 16 00-0354	EA	125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,760.85	
26 24 16 00-0355	EA	125 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	4,159.88	
26 24 16 00-0356	EA	250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	5,112.20	
26 24 16 00-0357	EA	250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	5,268.08	
26 24 16 00-0358	EA	250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	5,461.08	
26 24 16 00-0359	EA	400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	5,679.09	
26 24 16 00-0360	EA	400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	5,897.84	
26 24 16 00-0361	EA	400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	6,107.77	

26 24 16 00-0362 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards *(26 24 16 00-0169)*

Note: Square D I-Line or equal.

26 24 16 00-0363 Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards *(26 24 16 00-0362)*

26 24 16 00-0364	EA	400 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	2,031.16	374.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*224.95*	
26 24 16 00-0365	EA	400 Ampere Rating, 45" Breaker Mounted Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	2,374.52	374.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*224.89*	
26 24 16 00-0366	EA	400 Ampere Rating, 63" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	2,633.09	374.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*224.89*	
26 24 16 00-0367	EA	600 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,015.33	615.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*369.32*	
26 24 16 00-0368	EA	600 Ampere Rating, 45" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,215.46	615.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*369.32*	
26 24 16 00-0369	EA	600 Ampere Rating, 63" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,435.06	615.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*369.32*	
26 24 16 00-0370	EA	800 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,720.87	818.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*490.92*	
26 24 16 00-0371	EA	800 Ampere Rating, 45" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,913.60	820.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*492.42*	
26 24 16 00-0372	EA	800 Ampere Rating, 63" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,991.83	818.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*490.92*	
26 24 16 00-0373	EA	800 Ampere Rating, 99" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	4,626.74	818.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*490.92*	
26 24 16 00-0374	EA	1,200 Ampere Rating, 27" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	6,040.40	1,231.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*738.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0375	EA	1,200 Ampere Rating, 45" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	6,472.52	1,231.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*738.63*	
26 24 16 00-0376	EA	1,200 Ampere Rating, 63" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	6,825.84	1,231.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*738.63*	
26 24 16 00-0377	EA	1,200 Ampere Rating, 99" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	7,257.08	1,231.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*738.63*	

26 24 16 00-0378 Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards *(26 24 16 00-0362)*

26 24 16 00-0379	EA	225 Ampere Rating, 36" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,903.89	382.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*229.70*	
26 24 16 00-0380	EA	400 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	5,120.68	434.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*260.55*	
26 24 16 00-0381	EA	400 Ampere Rating, 45" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	5,370.39	434.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*260.55*	
26 24 16 00-0382	EA	400 Ampere Rating, 81" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	6,105.35	434.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*260.55*	
26 24 16 00-0383	EA	600 Ampere Rating, 36" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	7,971.99	711.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*427.11*	
26 24 16 00-0384	EA	600 Ampere Rating, 72" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	8,384.88	713.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*428.25*	
26 24 16 00-0385	EA	600 Ampere Rating, 72" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	8,724.67	711.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*427.11*	
26 24 16 00-0386	EA	800 Ampere Rating, 36" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	10,082.69	951.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*571.00*	
26 24 16 00-0387	EA	800 Ampere Rating, 72" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	10,570.96	948.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*568.98*	
26 24 16 00-0388	EA	800 Ampere Rating, 72" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	11,057.99	948.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*568.98*	

26 24 16 00-0389 Residential Lighting And Power Panelboards *(26 24 16 00-0001)*

See CSI section 26 28 16 13-0001 for circuit breakers.

26 24 16 00-0390 Residential Type Unassembled Load Center *(26 24 16 00-0389)*

Note: Interior box and cover, includes ground bar kit.

26 24 16 00-0391 Main Lug Load Center, Single Phase, 3 Wire, 120/240 Volt *(26 24 16 00-0390)*

26 24 16 00-0392	EA	30 Ampere Rating, 2 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	169.39	63.03
26 24 16 00-0393	EA	70 Ampere Rating, 4 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	568.64	252.14
26 24 16 00-0394	EA	100 Ampere Rating, 8 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	859.16	359.92
26 24 16 00-0395	EA	125 Ampere Rating, 24 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	1,836.29	756.53
26 24 16 00-0396	EA	150 Ampere Rating, 30 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	2,008.08	819.44

26 24 16 00-0397 Main Lug Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC *(26 24 16 00-0390)*

Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta.

26 24 16 00-0398	EA	60 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	235.66	69.34
26 24 16 00-0399	EA	125 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	421.19	75.64

26 24 16 00-0400 Main Lug Load Center, Single Phase, 3 Wire, 120/240 Volt, Rainproof *(26 24 16 00-0390)*

26 24 16 00-0401	EA	40 Ampere Rating, 2 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	239.63	69.34
26 24 16 00-0402	EA	70 Ampere Rating, 4 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	267.25	75.64
26 24 16 00-0403	EA	100 Ampere Rating, 8 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	938.54	359.92
26 24 16 00-0404	EA	150 Ampere Rating, 30 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	2,128.88	819.44

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0405		**Main Lug Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC** *(26 24 16 00-0390)* Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta, Rainproof.		
26 24 16 00-0406	EA	60 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard	296.06	69.34
26 24 16 00-0407	EA	125 Ampere Rating, 20 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard	2,057.36	756.53
26 24 16 00-0408		**Main Breaker Load Center, Single Phase, 3 Wire, 120/240 Volt** *(26 24 16 00-0390)*		
26 24 16 00-0409	EA	125 Ampere Rating, 24 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	2,212.50	756.53
26 24 16 00-0410	EA	150 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	2,401.54	819.44
26 24 16 00-0411	EA	300 Ampere Rating, 42 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	8,414.05	1,260.68
26 24 16 00-0412		**Main Breaker Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC** *(26 24 16 00-0390)* Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 V Delta.		
26 24 16 00-0413	EA	125 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	3,214.81	756.53
26 24 16 00-0414	EA	150 Ampere Rating, 40 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	3,506.53	819.44
26 24 16 00-0415	EA	300 Ampere Rating, 42 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	9,257.42	1,260.68
26 24 16 00-0416		**Main Breaker Load Center, Single Phase, 3 Wire, 120/240 Volt, Rainproof** *(26 24 16 00-0390)*		
26 24 16 00-0417	EA	125 Ampere Rating, 24 Circuit, Main Breaker Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	2,324.67	756.53
26 24 16 00-0418	EA	150 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	2,593.10	819.44
26 24 16 00-0419		**Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC** *(26 24 16 00-0390)* Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta, Rainproof.		
26 24 16 00-0420	EA	125 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard	3,400.84	756.53
26 24 16 00-0421	EA	155 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard	3,526.72	819.44
26 24 16 00-0422		**Residential Type Assembled Load Center** *(26 24 16 00-0389)*		
26 24 16 00-0423		**Main Lug Load Center, 3 Wire, 20 Amperes, 120/240 Volt, 1 Phase** *(26 24 16 00-0422)* Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0424	EA	100 Ampere Rating, Main Lugs, Indoor 8 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	859.67	359.92
26 24 16 00-0425	EA	100 Ampere Rating, Main Lugs, Indoor 12 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,046.26	420.43
26 24 16 00-0426	EA	100 Ampere Rating, Main Lugs, Rainproof, 8 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	878.66	359.92
26 24 16 00-0427	EA	100 Ampere Rating, Main Lugs, Rainproof, 12 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,051.44	420.43
26 24 16 00-0428	EA	200 Ampere Rating, Main Lugs, Indoor, 8 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,524.62	560.37
26 24 16 00-0429	EA	200 Ampere Rating, Main Lugs, Indoor, 20 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,799.02	672.57
26 24 16 00-0430	EA	200 Ampere Rating, Main Lugs, Indoor, 24 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,057.43	775.95
26 24 16 00-0431	EA	200 Ampere Rating, Main Lugs, Indoor, 30 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,266.75	839.99
26 24 16 00-0432	EA	200 Ampere Rating, Main Lugs, Indoor, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,392.85	1,260.68
26 24 16 00-0433	EA	200 Ampere Rating, Main Lugs, Rainproof, 16 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,591.93	560.37
26 24 16 00-0434	EA	200 Ampere Rating, Main Lugs, Rainproof, 20 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,862.87	672.57
26 24 16 00-0435	EA	200 Ampere Rating, Main Lugs, Rainproof, 24 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,121.28	775.95
26 24 16 00-0436	EA	200 Ampere Rating, Main Lugs, Rainproof, 30 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,327.15	839.99
26 24 16 00-0437	EA	200 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,591.31	1,260.68
26 24 16 00-0438	EA	400 Ampere Rating, Main Lugs, Indoor, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	4,173.45	1,400.74
26 24 16 00-0439	EA	400 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	4,380.54	1,400.74
26 24 16 00-0440		**Main Lug Load Center, 4 Wire, 20 Amperes, 120/208 Volt** *(26 24 16 00-0422)* Note: Includes 1 pole plug-in breaker.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0441	EA	125 Ampere Rating, Main Lugs, Indoor, 12 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,142.90	420.43
26 24 16 00-0442	EA	125 Ampere Rating, Main Lugs, Indoor, 18 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,704.19	630.34
26 24 16 00-0443	EA	125 Ampere Rating, Main Lugs, Rainproof, 12 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,199.85	420.43
26 24 16 00-0444	EA	125 Ampere Rating, Main Lugs, Rainproof, 18 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,755.97	630.34
26 24 16 00-0445	EA	200 Ampere Rating, Main Lugs, Indoor, 24 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,155.80	775.95
26 24 16 00-0446	EA	200 Ampere Rating, Main Lugs, Indoor, 30 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,353.94	840.50
26 24 16 00-0447	EA	200 Ampere Rating, Main Lugs, Indoor, 36 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,880.60	1,008.91
26 24 16 00-0448	EA	200 Ampere Rating, Main Lugs, Indoor, 42 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,461.88	1,260.68
26 24 16 00-0449	EA	200 Ampere Rating, Main Lugs, Rainproof, 24 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,216.20	775.95
26 24 16 00-0450	EA	200 Ampere Rating, Main Lugs, Rainproof, 30 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,422.07	839.99
26 24 16 00-0451	EA	200 Ampere Rating, Main Lugs, Rainproof, 36 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,112.28	1,008.16
26 24 16 00-0452	EA	200 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,694.85	1,260.68
26 24 16 00-0453	EA	400 Ampere Rating, Main Lugs, Indoor, 42 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	4,225.22	1,400.74
26 24 16 00-0454	EA	400 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	4,432.31	1,400.74

26 24 16 00-0455 Main Breaker Load Center, 3 Wire, 20 Amperes, 120/240 Volt, 1 Phase *(26 24 16 00-0422)*

Note: Includes 1 pole plug-in breaker.

26 24 16 00-0456	EA	125 Ampere Rating, Main Breaker, Indoor, 12 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,136.00	420.43
26 24 16 00-0457	EA	125 Ampere Rating, Main Breaker, Indoor, 18 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,680.03	630.34
26 24 16 00-0458	EA	200 Ampere Rating, Main Breaker, Indoor, 20 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,940.53	672.57
26 24 16 00-0459	EA	200 Ampere Rating, Main Breaker, Indoor, 24 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,225.60	776.32
26 24 16 00-0460	EA	200 Ampere Rating, Main Breaker, Indoor, 30 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,448.85	840.50
26 24 16 00-0461	EA	200 Ampere Rating, Main Breaker, Indoor, 40 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,242.52	1,120.74
26 24 16 00-0462	EA	200 Ampere Rating, Main Breaker, Rainproof, 20 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,957.79	672.57
26 24 16 00-0463	EA	200 Ampere Rating, Main Breaker, Rainproof, 24 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,259.34	775.95
26 24 16 00-0464	EA	200 Ampere Rating, Main Breaker, Rainproof, 30 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,456.58	839.99
26 24 16 00-0465	EA	200 Ampere Rating, Main Breaker, Rainproof, 40 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,147.60	1,120.74
26 24 16 00-0466	EA	400 Ampere Rating, Main Breaker, Indoor, 42 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	5,950.96	1,400.74
26 24 16 00-0467	EA	400 Ampere Rating, Main Breaker, Rainproof, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	6,296.11	1,400.74

26 24 16 00-0468 Main Breaker Load Center, 4 Wire, 20 Amperes, 120/208 Volt *(26 24 16 00-0422)*

Note: Includes 1 pole plug-in breaker.

26 24 16 00-0469	EA	200 Ampere Rating, Main Breaker, Indoor, 30 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,932.06	840.50
26 24 16 00-0470	EA	200 Ampere Rating, Main Breaker, Indoor, 42 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	4,014.11	1,260.68
26 24 16 00-0471	EA	200 Ampere Rating, Main Breaker, Rainproof, 30 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,034.70	839.99
26 24 16 00-0472	EA	200 Ampere Rating, Main Breaker, Rainproof, 42 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	4,117.66	1,260.68

26 24 16 00-0473 Panel Mounted Accessories And Fuseholders *(26 24 16 00-0001)*

26 24 16 00-0474 Midget Finger-Safe Fuse Holders *(26 24 16 00-0473)*

Note: 30 Amp capacity. Excludes fuse.

26 24 16 00-0475	EA	1 Pole Midget Finger-Safe Fuse Holder	80.71	22.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.13*	
26 24 16 00-0476	EA	1 Pole With Indicator Midget Finger-Safe Fuse Holder	95.05	22.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.13*	
26 24 16 00-0477	EA	2 Pole Midget Finger-Safe Fuse Holder	130.17	34.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.69*	
26 24 16 00-0478	EA	2 Pole With Indicators Midget Finger-Safe Fuse Holder	167.61	34.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.69*	
26 24 16 00-0479	EA	3 Pole Midget Finger-Safe Fuse Holder	191.25	45.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0480	EA	3 Pole With Indicators Midget Finger-Safe Fuse Holder	240.97	45.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.26*	
26 24 16 00-0481	EA	3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder Note: With indicators.	282.56	45.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.26*	
26 24 16 00-0482	EA	3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder	227.42	45.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.26*	
26 24 16 00-0483	EA	4 Pole Midget Finger-Safe Fuse Holder	240.87	56.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.82*	
26 24 16 00-0484	EA	4 Pole With Indicator Midget Finger-Safe Fuse Holder	295.47	56.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.82*	
26 24 16 00-0485	EA	12 To 24 Volt DC Midget Finger-Safe Fuse Holder Note: With indicator.	95.10	22.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.13*	
26 24 16 00-0486	EA	20 To 24 Volt DC Midget Finger-Safe Fuse Holder Note: With indicator.	102.71	22.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.13*	
26 24 16 00-0487	EA	35 To 48 Volt DC Midget Finger-Safe Fuse Holder Note: With indicator.	96.50	22.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.13*	

26 24 16 00-0488 Removal And Reinstallation Of Panelboards *(26 24 16 00-0001)*

Note: Includes storage, cleaning and supply materials.

26 24 16 00-0489	EA	Removal And Reinstallation Of Up To 42 Circuit Capacity Panelboards With Breakers Note: Includes removal and reinstallation of main wiring to panelboard.	1,582.80	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*472.75*	
26 24 16 00-0490	EA	Removal And Reinstallation Of Breaker, 1-2-3 Pole, Any Amperage	83.94	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.58*	
26 24 16 00-0491	EA	Panelboard Filler Plate, Fits 1" Opening	5.94	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.18*	

26 24 16 00-0492 Combination Transformer/Panelboard *(26 24 16)*

26 24 16 00-0493 Mini Power-Zone™ Unit Substation *(26 24 16 00-0492)*

Note: 480 Volt Primary, 208 Star/120 Volt Secondary Voltage, NQ Paneboard Interior, Interrupt Rating 18 kAIR, Type NEMA 3R Enclosure, (2) 5 Percent Fcbn Taps; QOB360 Secondary Main Breaker Type; FAL34040 Primary Main Breaker Type

26 24 16 00-0494	EA	15 KVA, 480 Volt Primary, 208Y120 Secondary, 3 Phase, NEMA 3R Enclosure, Mini Power-Zone™ Unit Substation (Square D MPZB15T2F) Note: 24 single pole circuit capacity	29,004.25	1,010.54
26 24 16 00-0495	EA	22.5 KVA, 480 Volt Primary, 208Y120 Secondary, 3 Phase, NEMA 3R Enclosure, Mini Power-Zone™ Unit Substation (Square D MPZB22T2F) Note: 24 single pole circuit capacity	35,625.99	1,129.02
26 24 16 00-0496	EA	30 KVA, 480 Volt Primary, 208Y120 Secondary, 3 Phase, NEMA 3R Enclosure, Mini Power-Zone™ Unit Substation (Square D MPZB30T2F) Note: 24 single pole circuit capacity	43,393.22	1,240.52

26 24 16 00-0497 Mini Power-Zone™ Unit Substation *(26 24 16 00-0492)*

Note: 480 Volt Primary, 208 Star/120 Volt Secondary Voltage, NQ Paneboard Interior, Interrupt Rating 25 kAIR, Type NEMA 3R Enclosure, (2) 5 Percent Fcbn Taps; QOB360 Secondary Main Breaker Type; FAL34040 Primary Main Breaker Type

26 24 16 00-0498	EA	15 KVA, 480 Volt Primary, 208Y120 Secondary, 3 Phase, NEMA 3R Enclosure, Mini Power-Zone™ Unit Substation (Square D MPZB15T2F25K) Note: 24 single pole circuit capacity	36,609.73	1,010.54
26 24 16 00-0499	EA	22.5 KVA, 480 Volt Primary, 208Y120 Secondary, 3 Phase, NEMA 3R Enclosure, Mini Power-Zone™ Unit Substation (Square D MPZB22T2F25K) Note: 24 single pole circuit capacity	42,315.07	1,129.02
26 24 16 00-0500	EA	30 KVA, 480 Volt Primary, 208Y120 Secondary, 3 Phase, NEMA 3R Enclosure, Mini Power-Zone™ Unit Substation (Square D MPZB30T2F25K) Note: 24 single pole circuit capacity	48,240.91	1,240.52

26 24 19 Motor-Control Centers *(26 24)*

26 24 19 00-0001 Combination Starters With Molded Case Circuit Breakers *(26 24 19)*

Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" o 20" Deep), fully factory assembled and wired internally.

26 24 19 00-0002 230 Volt Combination With Molded Case Circuit, Full Volt *(26 24 19 00-0001)*

Note: 1-Speed non-reversing.

26 24 19 00-0003	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination With Molded Case Circuit	2,492.36	115.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*69.11*	
26 24 19 00-0004	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination With Molded Case Circuit	2,951.07	120.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.56*	
26 24 19 00-0005	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination With Molded Case Circuit	4,389.34	126.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*76.02*	
26 24 19 00-0006	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit	7,953.82	149.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.84*	
26 24 19 00-0007	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit	16,013.88	172.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*103.66*	
26 24 19 00-0008	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit	26,939.78	230.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*138.21*	

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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0009		**480 Volt Combination With Molded Case Circuit, Full Volt** *(26 24 19 00-0001)* Note: 1-Speed non-reversing.		
26 24 19 00-0010	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination With Molded Case Circuit	2,492.36	115.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*69.11*	
26 24 19 00-0011	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination With Molded Case Circuit	2,951.07	120.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.56*	
26 24 19 00-0012	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit	4,389.34	126.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*76.02*	
26 24 19 00-0013	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit	7,953.82	149.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.84*	
26 24 19 00-0014	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit	16,013.88	172.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*103.66*	
26 24 19 00-0015	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination With Molded Case Circuit	26,939.78	230.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*138.21*	
26 24 19 00-0016		**230 Volt Combination With Molded Case Circuit, Full Volt** *(26 24 19 00-0001)* Note: 1-Speed reversing.		
26 24 19 00-0017	EA	230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination With Molded Case Circuit	3,609.16	115.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*69.11*	
26 24 19 00-0018	EA	230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination With Molded Case Circuit	4,808.46	120.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.56*	
26 24 19 00-0019	EA	230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination With Molded Case Circuit	6,890.31	126.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*76.02*	
26 24 19 00-0020	EA	230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit	12,051.91	149.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.84*	
26 24 19 00-0021	EA	230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit	23,715.55	172.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*103.66*	
26 24 19 00-0022	EA	230 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit	40,866.67	230.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*138.21*	
26 24 19 00-0023		**480 Volt Combination With Molded Case Circuit, Full Volt** *(26 24 19 00-0001)* Note: 1-Speed reversing.		
26 24 19 00-0024	EA	480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination With Molded Case Circuit	3,609.16	115.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*69.11*	
26 24 19 00-0025	EA	480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination With Molded Case Circuit	4,808.46	120.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.56*	
26 24 19 00-0026	EA	480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit	6,890.31	126.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*76.02*	
26 24 19 00-0027	EA	480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit	12,051.91	149.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.84*	
26 24 19 00-0028	EA	480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit	23,715.55	172.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*103.66*	
26 24 19 00-0029	EA	480 Volt, Full Volt, 1 Speed, Reversing, 400 HP Combination With Molded Case Circuit	40,866.67	230.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*138.21*	
26 24 19 00-0030		**230 Volt Combination With Molded Case Circuit, Full Volt** *(26 24 19 00-0001)* Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0031	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit	4,393.30	184.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*110.57*	
26 24 19 00-0032	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit	6,039.50	195.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*117.48*	
26 24 19 00-0033	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit	8,887.65	207.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*124.39*	
26 24 19 00-0034	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit	15,875.57	236.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*141.67*	
26 24 19 00-0035	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit	26,293.73	276.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*165.86*	
26 24 19 00-0036		**480 Volt Combination With Molded Case Circuit, Full Volt** *(26 24 19 00-0001)* Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0037	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit	4,393.30	184.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*110.57*	
26 24 19 00-0038	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit	6,039.50	195.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*117.48*	
26 24 19 00-0039	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit	8,887.65	207.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*124.39*	
26 24 19 00-0040	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit	15,875.57	236.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*141.67*	
26 24 19 00-0041	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit	26,293.73	276.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*165.86*	
26 24 19 00-0042		**230 Volt Combination With Molded Case Circuit, Full Volt** *(26 24 19 00-0001)* Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0043	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit	5,069.04	115.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*69.11*	
26 24 19 00-0044	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit	7,541.31	120.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0045	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit	10,321.16	126.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*76.02*	
26 24 19 00-0046	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit	19,384.47	149.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.84*	
26 24 19 00-0047	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit	33,579.84	172.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*103.66*	
26 24 19 00-0048		**480 Volt Combination With Molded Case Circuit, Full Volt** *(26 24 19 00-0001)*		
		Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0049	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit	5,069.04	115.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*69.11*	
26 24 19 00-0050	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit	7,541.31	120.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.56*	
26 24 19 00-0051	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit	10,321.16	126.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*76.02*	
26 24 19 00-0052	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit	19,384.47	149.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.84*	
26 24 19 00-0053	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit	33,579.84	172.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*103.66*	
26 24 19 00-0054		**230 Volt Combination With Molded Case Circuit** *(26 24 19 00-0001)*		
		Note: Reducing volt, auto-transformer.		
26 24 19 00-0055	EA	230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination With Molded Case Circuit	7,493.99	120.94
26 24 19 00-0056	EA	230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination With Molded Case Circuit	11,470.78	132.45
26 24 19 00-0057	EA	230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit	19,330.05	149.74
26 24 19 00-0058	EA	230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit	29,898.18	172.77
26 24 19 00-0059	EA	230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit	51,145.03	230.36
26 24 19 00-0060		**480 Volt Combination With Molded Case Circuit** *(26 24 19 00-0001)*		
		Note: Reducing volt, auto-transformer.		
26 24 19 00-0061	EA	480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination With Molded Case Circuit	7,493.99	120.94
26 24 19 00-0062	EA	480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit	11,470.78	132.45
26 24 19 00-0063	EA	480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit	19,330.05	149.74
26 24 19 00-0064	EA	480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit	29,898.18	172.77
26 24 19 00-0065	EA	480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination With Molded Case Circuit	51,145.03	230.36
26 24 19 00-0066		**230 Volt Combination With Molded Case Circuit** *(26 24 19 00-0001)*		
		Note: Reducing volt, part winding.		
26 24 19 00-0067	EA	230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination With Molded Case Circuit	5,124.43	184.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*110.57*	
26 24 19 00-0068	EA	230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination With Molded Case Circuit	6,618.24	213.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*127.85*	
26 24 19 00-0069	EA	230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination With Molded Case Circuit	11,628.41	236.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*141.67*	
26 24 19 00-0070	EA	230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit	19,812.33	287.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*172.77*	
26 24 19 00-0071	EA	230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit	27,216.24	368.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*221.15*	
26 24 19 00-0072		**480 Volt Combination With Molded Case Circuit** *(26 24 19 00-0001)*		
		Note: Reducing volt, part winding.		
26 24 19 00-0073	EA	480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination With Molded Case Circuit	5,124.43	184.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*110.57*	
26 24 19 00-0074	EA	480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination With Molded Case Circuit	6,618.24	213.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*127.85*	
26 24 19 00-0075	EA	480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit	11,628.41	236.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*141.67*	
26 24 19 00-0076	EA	480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit	19,812.33	287.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*172.77*	
26 24 19 00-0077	EA	480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination With Molded Case Circuit	27,216.24	368.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*221.15*	
26 24 19 00-0078		**230 Volt Combination With Molded Case Circuit** *(26 24 19 00-0001)*		
		Note: Reducing volt, energy saver.		
26 24 19 00-0079	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7-1/2 HP Combination With Molded Case Circuit	21,135.38	149.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.84*	
26 24 19 00-0080	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination With Molded Case Circuit	22,423.02	184.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*110.57*	
26 24 19 00-0081	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination With Molded Case Circuit	24,761.53	213.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*127.85*	
26 24 19 00-0082	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit	37,485.20	236.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*141.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0083	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit	51,120.62	287.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*172.77*	
26 24 19 00-0084	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit	69,373.12	368.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*221.15*	

26 24 19 00-0085 480 Volt Combination With Molded Case Circuit *(26 24 19 00-0001)*

Note: Reducing volt, energy saver.

26 24 19 00-0086	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination With Molded Case Circuit	21,135.38	149.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.84*	
26 24 19 00-0087	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination With Molded Case Circuit	22,423.02	184.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*110.57*	
26 24 19 00-0088	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit	24,761.53	213.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*127.85*	
26 24 19 00-0089	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit	37,485.20	236.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*141.67*	
26 24 19 00-0090	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit	51,120.62	287.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*172.77*	
26 24 19 00-0091	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination With Molded Case Circuit	69,373.12	368.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*221.15*	

26 24 19 00-0092 Combination Starters With Current Limiting Circuit Breakers *(26 24 19)*

Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and wired internally.

26 24 19 00-0093 230 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Full volt, 1-speed non-reversing.

26 24 19 00-0094	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit	3,332.32	115.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*69.11*	
26 24 19 00-0095	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination Starters With Current Limiting Circuit	3,791.04	120.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.56*	
26 24 19 00-0096	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination Starters With Current Limiting Circuit	5,858.69	126.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*76.02*	
26 24 19 00-0097	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit	10,790.78	149.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.84*	
26 24 19 00-0098	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit	19,312.23	172.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*103.66*	
26 24 19 00-0099	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit	31,475.60	230.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*138.21*	

26 24 19 00-0100 480 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Full volt, 1-speed non-reversing.

26 24 19 00-0101	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination Starters With Current Limiting Circuit	3,332.32	115.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*69.11*	
26 24 19 00-0102	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination Starters With Current Limiting Circuit	3,791.04	120.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.56*	
26 24 19 00-0103	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit	5,858.69	126.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*76.02*	
26 24 19 00-0104	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit	10,790.78	149.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.84*	
26 24 19 00-0105	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit	19,312.23	172.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*103.66*	
26 24 19 00-0106	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination Starters With Current Limiting Circuit	31,475.60	230.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*138.21*	

26 24 19 00-0107 230 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Full volt, 1-speed reversing.

26 24 19 00-0108	EA	230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit	4,442.03	115.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*69.11*	
26 24 19 00-0109	EA	230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination Starters With Current Limiting Circuit	5,631.87	120.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.56*	
26 24 19 00-0110	EA	230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination Starters With Current Limiting Circuit	8,326.54	126.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*76.02*	
26 24 19 00-0111	EA	230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit	14,851.01	149.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.84*	
26 24 19 00-0112	EA	230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit	26,947.65	172.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*103.66*	

26 24 19 00-0113 480 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Full volt, 1-speed reversing.

26 24 19 00-0114	EA	480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination Starters With Current Limiting Circuit	4,442.03	115.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*69.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0115	EA	480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination Starters With Current Limiting Circuit	5,631.87	120.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.56*	
26 24 19 00-0116	EA	480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit	8,326.54	126.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*76.02*	
26 24 19 00-0117	EA	480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit	14,851.01	149.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.84*	
26 24 19 00-0118	EA	480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination Starters With Current Limiting Circuit	26,947.65	172.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*103.66*	

26 24 19 00-0119 230 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Full volt, 2-speed non-reversing, 2 wind.

26 24 19 00-0120	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit	5,211.98	184.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*110.57*	
26 24 19 00-0121	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit	6,846.34	195.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*117.48*	
26 24 19 00-0122	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit	10,300.21	207.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*124.39*	
26 24 19 00-0123	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	18,641.54	236.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*141.67*	
26 24 19 00-0124	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	29,499.80	276.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*165.86*	

26 24 19 00-0125 480 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Full volt, 2-speed non-reversing, 2 wind.

26 24 19 00-0126	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit	5,211.98	184.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*110.57*	
26 24 19 00-0127	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit	6,846.34	195.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*117.48*	
26 24 19 00-0128	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	10,300.21	207.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*124.39*	
26 24 19 00-0129	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	18,641.54	236.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*141.67*	
26 24 19 00-0130	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit	29,499.80	276.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*165.86*	

26 24 19 00-0131 230 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Full volt, 2-speed non-reversing, 1 wind.

26 24 19 00-0132	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit	6,002.90	172.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*103.66*	
26 24 19 00-0133	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit	8,460.64	184.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*110.57*	
26 24 19 00-0134	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit	11,864.85	195.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*117.48*	
26 24 19 00-0135	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	22,267.04	224.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*134.76*	
26 24 19 00-0136	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	36,906.32	264.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*158.95*	

26 24 19 00-0137 480 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Full volt, 2-speed non-reversing, 1 wind.

26 24 19 00-0138	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit	6,002.90	172.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*103.66*	
26 24 19 00-0139	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit	8,460.64	184.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*110.57*	
26 24 19 00-0140	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	11,864.85	195.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*117.48*	
26 24 19 00-0141	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	22,267.04	224.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*134.76*	
26 24 19 00-0142	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit	36,906.32	264.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*158.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 24 19 00-0143 230 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*
Note: Reduced volt, auto-transformer.

26 24 19 00-0144	EA	230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination Starters With Current Limiting Circuit	8,289.00	120.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.56*	
26 24 19 00-0145	EA	230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination Starters With Current Limiting Circuit	13,344.73	132.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*79.47*	
26 24 19 00-0146	EA	230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit	22,550.31	149.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.84*	
26 24 19 00-0147	EA	230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit	34,159.53	172.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*103.66*	
26 24 19 00-0148	EA	230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit	56,201.39	230.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*138.21*	

26 24 19 00-0149 480 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*
Note: Reduced volt, auto-transformer.

26 24 19 00-0150	EA	480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination Starters With Current Limiting Circuit	8,289.00	120.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.56*	
26 24 19 00-0151	EA	480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit	13,344.73	132.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*79.47*	
26 24 19 00-0152	EA	480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit	22,550.31	149.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.84*	
26 24 19 00-0153	EA	480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit	34,159.53	172.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*103.66*	
26 24 19 00-0154	EA	480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination Starters With Current Limiting Circuit	56,201.39	230.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*138.21*	

26 24 19 00-0155 230 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*
Note: Reduced volt, part winding.

26 24 19 00-0156	EA	230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination Starters With Current Limiting Circuit	5,943.10	184.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*110.57*	
26 24 19 00-0157	EA	230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination Starters With Current Limiting Circuit	7,420.35	213.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*127.85*	
26 24 19 00-0158	EA	230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination Starters With Current Limiting Circuit	13,031.51	236.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*141.67*	
26 24 19 00-0159	EA	230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit	23,072.82	287.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*172.77*	
26 24 19 00-0160	EA	230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit	34,035.35	368.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*221.15*	

26 24 19 00-0161 480 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*
Note: Reduced volt, part winding.

26 24 19 00-0162	EA	480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination Starters With Current Limiting Circuit	5,943.10	184.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*110.57*	
26 24 19 00-0163	EA	480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination Starters With Current Limiting Circuit	7,420.35	213.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*127.85*	
26 24 19 00-0164	EA	480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit	13,031.51	236.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*141.67*	
26 24 19 00-0165	EA	480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit	23,072.82	287.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*172.77*	
26 24 19 00-0166	EA	480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination Starters With Current Limiting Circuit	34,035.35	368.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*221.15*	

26 24 19 00-0167 230 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*
Note: Reduced volt, energy saving

26 24 19 00-0168	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7.5 HP Combination Starters With Current Limiting Circuit	21,814.45	149.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.84*	
26 24 19 00-0169	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination Starters With Current Limiting Circuit	23,094.99	184.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*110.57*	
26 24 19 00-0170	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination Starters With Current Limiting Circuit	25,409.84	213.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*127.85*	
26 24 19 00-0171	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit	38,022.30	236.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*141.67*	
26 24 19 00-0172	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit	51,537.05	287.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*172.77*	
26 24 19 00-0173	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit	72,229.01	368.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*221.15*	

26 24 19 00-0174 480 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*
Note: Reduced volt, energy saving

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0175	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination Starters With Current Limiting Circuit	21,814.50	149.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.86*	
26 24 19 00-0176	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination Starters With Current Limiting Circuit	23,094.99	184.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*110.57*	
26 24 19 00-0177	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit	25,409.84	213.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*127.85*	
26 24 19 00-0178	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit	38,022.30	236.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*141.67*	
26 24 19 00-0179	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit	51,537.05	287.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*172.77*	
26 24 19 00-0180	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination Starters With Current Limiting Circuit	72,229.01	368.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*221.15*	

26 24 19 00-0181 Combination Starters With Fusible Switch *(26 24 19)*

Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and Wired Internally.

26 24 19 00-0182 230 Volt Combination Starters With Fusible Switch, Full Volt *(26 24 19 00-0181)*

Note: 1-Speed non-reversing.

26 24 19 00-0183	EA	7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	2,217.89	115.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*69.11*	
26 24 19 00-0184	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	3,057.54	120.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.56*	
26 24 19 00-0185	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	5,151.23	126.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*76.02*	
26 24 19 00-0186	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	9,082.45	149.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.84*	
26 24 19 00-0187	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	14,740.92	172.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*103.66*	
26 24 19 00-0188	EA	200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	26,289.10	230.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*138.21*	

26 24 19 00-0189 480 Volt Combination Starters With Fusible Switch, Full Volt *(26 24 19 00-0181)*

Note: 1-Speed non-reversing.

26 24 19 00-0190	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	2,217.89	115.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*69.11*	
26 24 19 00-0191	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	3,057.54	120.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.56*	
26 24 19 00-0192	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	5,151.23	126.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*76.02*	
26 24 19 00-0193	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	9,082.45	149.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.84*	
26 24 19 00-0194	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	14,740.92	172.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*103.66*	
26 24 19 00-0195	EA	400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	26,289.10	230.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*138.21*	

26 24 19 00-0196 230 Volt Combination Starters With Fusible Switch, Full Volt *(26 24 19 00-0181)*

Note: 1-Speed reversing.

26 24 19 00-0197	EA	7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	3,578.40	115.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*69.11*	
26 24 19 00-0198	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	5,329.00	120.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.56*	
26 24 19 00-0199	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	8,522.92	126.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*76.02*	
26 24 19 00-0200	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	13,888.01	149.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.84*	
26 24 19 00-0201	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	21,363.64	172.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*103.66*	
26 24 19 00-0202	EA	200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	36,311.92	230.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*138.21*	

26 24 19 00-0203 480 Volt Combination Starters With Fusible Switch, Full Volt *(26 24 19 00-0181)*

Note: 1-Speed reversing.

26 24 19 00-0204	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	3,578.40	115.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*69.11*	
26 24 19 00-0205	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	5,329.00	120.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.56*	
26 24 19 00-0206	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	8,522.92	126.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*76.02*	
26 24 19 00-0207	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	13,888.01	149.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.84*	
26 24 19 00-0208	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	21,363.64	172.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*103.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0209	EA	400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	36,311.92	230.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*138.21*	
26 24 19 00-0210		**230 Volt Combination Starters With Fusible Switch, Full Volt** *(26 24 19 00-0181)*		
		Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0211	EA	10 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	4,194.55	184.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*110.57*	
26 24 19 00-0212	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	5,765.03	195.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*117.48*	
26 24 19 00-0213	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	9,065.11	207.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*124.39*	
26 24 19 00-0214	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	16,183.16	236.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*141.67*	
26 24 19 00-0215	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	25,775.55	276.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*165.86*	
26 24 19 00-0216		**480 Volt Combination Starters With Fusible Switch, Full Volt** *(26 24 19 00-0181)*		
		Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0217	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	4,194.55	184.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*110.57*	
26 24 19 00-0218	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	5,765.03	195.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*117.48*	
26 24 19 00-0219	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	9,065.11	207.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*124.39*	
26 24 19 00-0220	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	16,183.16	236.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*141.67*	
26 24 19 00-0221	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	25,775.55	276.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*165.86*	
26 24 19 00-0222		**230 Volt Combination Starters With Fusible Switch, Full Volt** *(26 24 19 00-0181)*		
		Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0223	EA	7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	4,780.38	115.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*69.11*	
26 24 19 00-0224	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	7,285.77	120.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.56*	
26 24 19 00-0225	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	10,486.79	126.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*76.02*	
26 24 19 00-0226	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	21,130.65	149.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.84*	
26 24 19 00-0227		**480 Volt Combination Starters With Fusible Switch, Full Volt** *(26 24 19 00-0181)*		
		Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0228	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	4,780.38	115.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*69.11*	
26 24 19 00-0229	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	7,285.77	120.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.56*	
26 24 19 00-0230	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	10,486.79	126.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*76.02*	
26 24 19 00-0231	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	21,130.65	149.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.84*	
26 24 19 00-0232		**230 Volt Combination Starters With Fusible Switch, Reduced Volt** *(26 24 19 00-0181)*		
		Note: Auto-transformer.		
26 24 19 00-0233	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	7,236.08	120.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.56*	
26 24 19 00-0234	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	12,769.77	132.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*79.47*	
26 24 19 00-0235	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	21,270.25	149.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.84*	
26 24 19 00-0236	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	28,398.07	172.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*103.66*	
26 24 19 00-0237	EA	200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	47,704.71	230.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*138.21*	
26 24 19 00-0238		**480 Volt Combination Starters With Fusible Switch, Reduced Volt** *(26 24 19 00-0181)*		
		Note: Auto-transformer.		
26 24 19 00-0239	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	7,236.08	120.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.56*	
26 24 19 00-0240	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	12,769.77	132.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*79.47*	
26 24 19 00-0241	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	21,270.25	149.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.84*	
26 24 19 00-0242	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	28,398.07	172.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*103.66*	
26 24 19 00-0243	EA	400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	47,704.71	230.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*138.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0244		**230 Volt Combination Starters With Fusible Switch, Reduced Volt** *(26 24 19 00-0181)* Note: Part winding.		
26 24 19 00-0245	EA	10 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	5,155.19	184.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*110.57*	
26 24 19 00-0246	EA	25 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	6,821.73	213.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*127.85*	
26 24 19 00-0247	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	10,852.33	236.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*141.67*	
26 24 19 00-0248	EA	75 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	21,617.66	287.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*172.77*	
26 24 19 00-0249		**480 Volt Combination Starters With Fusible Switch, Reduced Volt** *(26 24 19 00-0181)* Note: Part winding.		
26 24 19 00-0250	EA	15 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	5,155.19	184.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*110.57*	
26 24 19 00-0251	EA	40 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	6,821.73	213.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*127.85*	
26 24 19 00-0252	EA	75 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	10,852.33	236.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*141.67*	
26 24 19 00-0253	EA	150 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	21,617.66	287.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*172.77*	
26 24 19 00-0254		**230 Volt Combination Starters With Fusible Switch, Reduced Volt** *(26 24 19 00-0181)* Note: Energy saver.		
26 24 19 00-0255	EA	7.5 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	21,133.02	149.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.84*	
26 24 19 00-0256	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	22,423.02	184.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*110.57*	
26 24 19 00-0257	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	24,761.53	213.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*127.85*	
26 24 19 00-0258	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	37,485.20	236.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*141.67*	
26 24 19 00-0259	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	51,120.62	287.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*172.77*	
26 24 19 00-0260	EA	200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	69,373.12	368.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*221.15*	
26 24 19 00-0261		**480 Volt Combination Starters With Fusible Switch, Reduced Volt** *(26 24 19 00-0181)* Note: Energy saver.		
26 24 19 00-0262	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	21,133.02	149.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.84*	
26 24 19 00-0263	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	22,423.02	184.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*110.57*	
26 24 19 00-0264	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	24,761.53	213.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*127.85*	
26 24 19 00-0265	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	37,485.20	236.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*141.67*	
26 24 19 00-0266	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	51,120.62	287.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*172.77*	
26 24 19 00-0267	EA	400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	69,373.12	368.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*221.15*	
26 24 19 00-0268		**Starter Accessories** *(26 24 19)* Note: Additional options or accessories for the Combination Starters		
26 24 19 00-0269		**Starter Modifications** *(26 24 19 00-0268)*		
26 24 19 00-0270	EA	Size 1, 2, 50 VA, 60 Hertz, Standard Control Circuit Transformer	194.20	
26 24 19 00-0271	EA	Size 3, 4, 150 VA, 60 Hertz, Standard Control Circuit Transformer	369.11	
26 24 19 00-0272	EA	Size 5, 6, 50 VA, 60 Hertz, Control Circuit Transformer	527.64	
26 24 19 00-0273	EA	Extra 50 VA, 60 Hertz, Control Circuit Transformer, All Sizes	132.50	
26 24 19 00-0274	EA	Extra 100 VA, 60 Hertz, Control Circuit Transformer, All Sizes	186.92	
26 24 19 00-0275	EA	Extra 150 VA, 60 Hertz, Control Circuit Transformer, All Sizes	314.69	
26 24 19 00-0276	EA	Overload Relay Heater Elements, 3 Per Starter	78.08	
26 24 19 00-0277	EA	N.O. Overload Relay Alarm	66.25	
26 24 19 00-0278	EA	Control Circuit Fuses, Primary/Secondary	131.54	
26 24 19 00-0279	EA	Control Devices Type PB2 Mount On Device, 2 Unit Pushbutton	162.63	
26 24 19 00-0280	EA	Control Devices Type PB2 Mount On Device, 3 Unit Pushbutton	318.09	
26 24 19 00-0281	EA	Control Devices Type PB2 Mount On Device, 2 Or 3 Post Select	162.63	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0282	EA	Control Devices Type PB2 Mount On Device, Individual Light Full V	186.55	
26 24 19 00-0283	EA	Control Devices Type PB2 Mount On Device, Individual Light Transformer	224.82	
26 24 19 00-0284	EA	Control Devices Type PB2 Mount On Device, Individual Light Push To	265.48	
26 24 19 00-0285	EA	Blank Devices Panel	50.23	
26 24 19 00-0286	EA	Oversize Or Special Color Starter	78.93	
26 24 19 00-0287	EA	Mini Voltmeter/Ammeter With Current Transformer	692.26	
26 24 19 00-0288	EA	Mini Elapsed Time Meters, Non-Resettable	627.69	
26 24 19 00-0289	EA	Panel Elapsed Time Meter, Resettable	932.76	
26 24 19 00-0290	EA	Terminal Blocks, Side Mounted, Press Connection, Plug-In Press	78.93	
26 24 19 00-0291	EA	Terminal Blocks, Side Mounted, Press Connection, Plug-In Screw	112.41	
26 24 19 00-0292	EA	Terminal Blocks, Front Mounted, Press Connection, Standard	78.93	
26 24 19 00-0293	EA	Terminal Blocks, Front Mounted, Press Connection, Plug-In	112.41	
26 24 19 00-0294	EA	Terminal Blocks, Front Mounted, Press Connection, Screw-Type Utility	112.41	
26 24 19 00-0295	EA	Terminal Blocks, Front Mounted, Press Connection, Plug-In Screw Type	162.63	
26 24 19 00-0296	EA	MOR - A Solid State Modular Overload Relay	404.19	
26 24 19 00-0297	EA	Heater Module	82.16	
26 24 19 00-0298	EA	LAM - Long Acceleration Module	510.40	
26 24 19 00-0299	EA	JAM - Jam Protection Module	585.09	
26 24 19 00-0300	EA	PUM - Phase Unbalance Module	1,110.43	
26 24 19 00-0301	EA	ULM - Underload Module	532.81	
26 24 19 00-0302	EA	Wiring To Common Control Circuit Transformer	117.02	
26 24 19 00-0303	EA	Handle Operator Separable Source Control Circuit	219.10	
26 24 19 00-0304	EA	Type SIS Control Wire	92.12	
26 24 19 00-0305	EA	Ring Or Spade Terminals Control	117.02	
26 24 19 00-0306	EA	Ring Terminals Power	117.02	
26 24 19 00-0307	EA	14 Gauge Control Wire	92.12	
26 24 19 00-0308	EA	Wiremakers	117.02	
26 24 19 00-0309	EA	Wiring Diagram On Door	69.71	
26 24 19 00-0310	EA	Special Color Or Type Control Wire	84.65	
26 24 19 00-0311	EA	Current Transformer 12.5 VA	664.76	
26 24 19 00-0312	EA	Ground Fault Relay-Instant Non-Adjust, Size 1 Thru 4	2,123.76	
26 24 19 00-0313	EA	Ground Fault Relay-Instant Non-Adjust, Size 5 Thru 6	2,390.16	

26 24 19 00-0314 Control Relays And Special Components *(26 24 19 00-0268)*

26 24 19 00-0315	EA	600 Volt, 2 Pole, Control Relays	602.12	
26 24 19 00-0316	EA	600 Volt, 4 Pole, Control Relays	710.97	
26 24 19 00-0317	EA	600 Volt, 6 Pole, Control Relays	831.34	
26 24 19 00-0318	EA	600 Volt, 8 Pole, Control Relays	924.60	
26 24 19 00-0319	EA	Pneumatic Timer, Control Relays	801.61	
26 24 19 00-0320	EA	Motor Driven Timer, Control Relays	2,088.88	
26 24 19 00-0321	EA	7 Days Time Switch, Control Relays	2,629.14	
26 24 19 00-0322	EA	24 Hour Time Switch, Control Relays	737.25	
26 24 19 00-0323	EA	Phase Voltage, Control Relays	1,254.11	
26 24 19 00-0324	EA	Two Circuit Alternator, Control Relays	1,755.36	
26 24 19 00-0325	EA	Manual 120 Volt, Control Relays	171.64	
26 24 19 00-0326	EA	Over-Current Relay, Control Relays	4,750.45	
26 24 19 00-0327	EA	UV-Relay, Control Relays	4,023.44	
26 24 19 00-0328	EA	Over-Current Relay, Control Relays	4,023.44	
26 24 19 00-0329	EA	Teleductor, Control Relays	1,293.11	
26 24 19 00-0330	EA	Current Transducer, Control Relays	3,477.56	
26 24 19 00-0331	EA	Watt Transducer, Control Relays	6,955.12	
26 24 19 00-0332	EA	Control Relays, Blank, Add For Each 1x	236.00	
26 24 19 00-0333	EA	Control Relays, Fixed Mounted Back Pan, 20" Structure With Wireway	353.02	
26 24 19 00-0334	EA	Control Relays, Fixed Mounted Back Pan, 24" Structure With Wireway	397.88	
26 24 19 00-0335	EA	Control Relays, Fixed Mounted Back Pan, 280" Structure With Wireway	442.74	
26 24 19 00-0336	EA	Control Relays, Fixed Mounted Back Pan, 20" Structure Without Wireway	397.88	
26 24 19 00-0337	EA	Control Relays, Fixed Mounted Back Pan, 24" Structure Without Wireway	442.74	
26 24 19 00-0338	EA	Control Relays, Fixed Mounted Back Pan, 2820" Structure Without Wireway	466.15	

26 24 19 00-0339 Circuit Breaker Modifications/Accessories *(26 24 19 00-0268)*

26 24 19 00-0340	EA	Shunt Trip, Circuit Breaker	482.15	
26 24 19 00-0341	EA	Auxiliary Switch, Circuit Breaker	166.54	
26 24 19 00-0342	EA	Key Interlock, Circuit Breaker	598.99	
26 24 19 00-0343	EA	GFR Ground Fault, Circuit Breaker	2,761.27	
26 24 19 00-0344	EA	Seltronic Breaker, Circuit Breaker	1,599.55	

26 24 19 00-0345 Incoming Line And Feeder Circuit Breakers *(26 24 19 00-0268)*

26 24 19 00-0346	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100	1,685.18	74.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.92*	
26 24 19 00-0347	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150	2,921.00	115.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*69.11*	
26 24 19 00-0348	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/100	2,821.23	74.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.92*	
26 24 19 00-0349	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/150	4,054.66	115.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*69.11*	
26 24 19 00-0350	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150/150	5,212.23	115.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*69.11*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0351	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 250	3,210.19	149.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.86*	
26 24 19 00-0352	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 400	5,218.33	161.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*96.77*	
26 24 19 00-0353	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 600	6,883.97	207.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*124.34*	
26 24 19 00-0354	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 800	8,088.56	316.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*190.11*	
26 24 19 00-0355	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 1200	11,451.45	478.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*287.03*	
26 24 19 00-0356	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2000	25,156.39	633.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*379.77*	
26 24 19 00-0357	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2500	37,609.09	794.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*476.39*	
26 24 19 00-0358	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 3000	62,796.44	921.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*553.34*	
26 24 19 00-0359	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50	2,027.19	74.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.92*	
26 24 19 00-0360	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150	3,253.44	115.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*69.11*	
26 24 19 00-0361	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50	2,027.19	74.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.92*	
26 24 19 00-0362	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/50	3,253.44	115.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*69.11*	
26 24 19 00-0363	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/150	3,455.02	74.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.92*	
26 24 19 00-0364	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150/150	4,729.11	115.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*69.11*	
26 24 19 00-0365	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50	5,872.33	115.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*69.11*	
26 24 19 00-0366	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 100	3,088.42	115.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*69.11*	
26 24 19 00-0367	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 400	7,820.69	316.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*190.11*	
26 24 19 00-0368	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-225	7,820.69	316.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*190.11*	
26 24 19 00-0369	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-400	10,544.51	345.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*207.23*	
26 24 19 00-0370	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-600	13,170.90	403.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*241.77*	
26 24 19 00-0371	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-800	15,153.77	478.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*287.03*	

26 24 19 00-0372 Incoming Line And Feeder Fusible Switches *(26 24 19 00-0268)*

26 24 19 00-0373	EA	30 To 60 Amperes, Incoming Line And Feeder Fusible Switches	1,988.13	115.18
26 24 19 00-0374	EA	Incoming Line And Feeder Fusible Switches, 30 Dual / 60 Dual	3,081.13	115.18
26 24 19 00-0375	EA	100 Amperes, Incoming Line And Feeder Fusible Switches	2,914.02	143.97
26 24 19 00-0376	EA	200 Amperes, Incoming Line And Feeder Fusible Switches	4,743.91	172.77
26 24 19 00-0377	EA	400 Amperes, Incoming Line And Feeder Fusible Switches	9,361.16	218.84
26 24 19 00-0378	EA	600 Amperes, Incoming Line And Feeder Fusible Switches	13,132.23	287.95
26 24 19 00-0379	EA	800 Amperes, Incoming Line And Feeder Fusible Switches	31,965.86	385.85
26 24 19 00-0380	EA	1,200 Amperes, Incoming Line And Feeder Fusible Switches	36,056.84	535.59

26 24 19 00-0381 Dry Type Distribution Transformers *(26 24 19 00-0268)*

26 24 19 00-0382	EA	500 VA, Phase 1, Dry Type Distribution Transformers	1,631.13	
26 24 19 00-0383	EA	750 VA, Phase 1, Dry Type Distribution Transformers	1,683.74	
26 24 19 00-0384	EA	1,000 VA, Phase 1, Dry Type Distribution Transformers	1,738.75	
26 24 19 00-0385	EA	1,500 VA, Phase 1, Dry Type Distribution Transformers	1,994.66	
26 24 19 00-0386	EA	2,000 VA, Phase 1, Dry Type Distribution Transformers	2,162.08	
26 24 19 00-0387	EA	3,000 VA, Phase 1, Dry Type Distribution Transformers	2,671.50	
26 24 19 00-0388	EA	5,000 VA, Phase 1, Dry Type Distribution Transformers	2,941.77	
26 24 19 00-0389	EA	7,500 VA, Phase 1, Dry Type Distribution Transformers	3,314.87	
26 24 19 00-0390	EA	9,000 VA, Phase 3, Dry Type Distribution Transformers	7,706.00	
26 24 19 00-0391	EA	10,000 VA, Phase 1, Dry Type Distribution Transformers	4,089.77	
26 24 19 00-0392	EA	15,000 VA, Phase 1, Dry Type Distribution Transformers	5,665.89	
26 24 19 00-0393	EA	15,000 VA, Phase 3, Dry Type Distribution Transformers	8,830.09	
26 24 19 00-0394	EA	20,000 VA, Phase 1, Dry Type Distribution Transformers	8,177.16	
26 24 19 00-0395	EA	30,000 VA, Phase 1, Dry Type Distribution Transformers	11,331.78	
26 24 19 00-0396	EA	30,000 VA, Phase 3, Dry Type Distribution Transformers	12,772.43	
26 24 19 00-0397	EA	45,000 VA, Phase 1, Dry Type Distribution Transformers	17,692.19	

26 24 19 00-0398 Metering Equipment *(26 24 19 00-0268)*

26 24 19 00-0399	EA	Metering Equipment, Voltmeter, Panel Type	770.12	
26 24 19 00-0400	EA	Metering Equipment, Voltmeter, Switchboard Type	1,683.74	
26 24 19 00-0401	EA	Metering Equipment, Ammeter, Panel	693.59	
26 24 19 00-0402	EA	Metering Equipment, Ammeter, Switchboard Type	1,683.74	
26 24 19 00-0403	EA	Metering Equipment, Voltmeter/Ammeter, Switch	935.15	
26 24 19 00-0404	EA	Metering Equipment, Control Switch, 4 Circuits	992.55	
26 24 19 00-0405	EA	Add For Additional Circuits	136.94	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0406	EA	Metering Equipment, Indicating Wattmeter	3,472.72	
26 24 19 00-0407	EA	Metering Equipment, Indicating Power Factor	3,637.75	
26 24 19 00-0408	EA	Metering Equipment, Integrating Watt-hour	3,207.24	
26 24 19 00-0409	EA	Add For Demand Attachment	896.31	
26 24 19 00-0410	EA	800 Amperes, Metering Equipment, Current Transformer	959.06	
26 24 19 00-0411	EA	1,000 Amperes, Metering Equipment, Current Transformer	1,655.04	
26 24 19 00-0412	EA	2,000 Amperes, Metering Equipment, Current Transformer	1,927.70	
26 24 19 00-0413	EA	Metering Equipment, Potential Transformer	1,607.21	
26 24 19 00-0414	EA	Metering Equipment, Surge Arrester	1,729.19	
26 24 19 00-0415	EA	Metering Equipment, Ground Detector System	1,322.60	
26 24 19 00-0416		**Current Limiting Reactors** *(26 24 19 00-0268)*		
26 24 19 00-0417	EA	600 Amperes, Current Limiting Reactors	29,520.52	
26 24 19 00-0418	EA	800 Amperes, Current Limiting Reactors	42,990.46	
26 24 19 00-0419	EA	1,000 Amperes, Current Limiting Reactors	56,491.50	
26 24 19 00-0420	EA	1,200 Amperes, Current Limiting Reactors	85,990.50	
26 24 19 00-0421		**Incoming Line Cable Space Requirements, Main Lugs Only** *(26 24 19 00-0268)*		
26 24 19 00-0422	EA	Incoming Line Cable Space Requirement, 350 MCC, 2 Screw	513.44	
26 24 19 00-0423	EA	Incoming Line Cable Space Requirement, 350 MCC, 2 Crimp	513.44	
26 24 19 00-0424	EA	Incoming Line Cable Space Requirement, 350 MCC, 4 Screw	709.83	
26 24 19 00-0425	EA	Incoming Line Cable Space Requirement, 350 MCC, 4 Crimp	1,298.99	
26 24 19 00-0426	EA	Incoming Line Cable Space Requirement, 600 MCC, 2 Screw	709.83	
26 24 19 00-0427	EA	Incoming Line Cable Space Requirement, 600 MCC, 2 Crimp	906.22	
26 24 19 00-0428	EA	Incoming Line Cable Space Requirement, 600 MCC, 4 Screw	906.22	
26 24 19 00-0429	EA	Incoming Line Cable Space Requirement, 600 MCC, 4 Crimp	1,296.63	
26 24 19 00-0430	EA	Incoming Line Cable Space Requirement, 750 MCC, 2 Screw	906.22	
26 24 19 00-0431	EA	Incoming Line Cable Space Requirement, 750 MCC, 2 Crimp	1,296.63	
26 24 19 00-0432	EA	Incoming Line Cable Space Requirement, 750 MCC, 4 Screw	1,102.60	
26 24 19 00-0433	EA	Incoming Line Cable Space Requirement, 750 MCC, 4 Crimp	3,575.18	
26 24 19 00-0434	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 2 Screw	1,102.60	
26 24 19 00-0435	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 2 Crimp	1,296.63	
26 24 19 00-0436	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 4 Screw	3,575.18	
26 24 19 00-0437	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 4 Crimp	3,575.18	
26 24 19 00-0438	EA	Bus Duct Transition Pull Box	1,166.96	
26 24 19 00-0439	EA	Throat And Transition To Substation	2,252.80	
26 24 19 00-0440	EA	Service Entrance Label	487.87	
26 24 19 00-0441	EA	Type W To 5 Star - 10" Transition	1,019.78	
26 24 19 00-0442	EA	600 Amperes, Sub Feed Lugs On Main Bus	595.05	
26 24 19 00-0443		**Standard Structures And Structure Options/Modifications** *(26 24 19 00-0268)*		
26 24 19 00-0444	EA	Standard Structure Add For Each Additional 4" Of Structure Width	322.16	
26 24 19 00-0445	EA	Standard Structure Add For 8" Vertical Wireway In Lieu Of 4"	322.16	
26 24 19 00-0446	EA	Standard Structure Single Corner Section "L", 16" Depth	996.61	
26 24 19 00-0447	EA	Standard Structure Single Corner Section "L", 21" Depth	1,124.08	
26 24 19 00-0448	EA	Standard Structure Unused Space/Future Space	96.18	
26 24 19 00-0449	EA	Standard Structure NEMA 12 Dustproof	259.58	
26 24 19 00-0450	EA	Standard Structure Bottom Plate For NEMA 1 Gasket Enclosure	54.47	
26 24 19 00-0451	EA	Standard Structure 150 Watt Space	234.09	
26 24 19 00-0452	EA	Standard Structure Thermostat For Space Heater Control	724.52	
26 24 19 00-0453	EA	Standard Structure Rear Hinged Structure Door, 72" High	234.09	
26 24 19 00-0454	EA	Standard Structure NEMA 2 Drip Shield On Top Of MCC	468.07	
26 24 19 00-0455	EA	Standard Structure NEMA 3R N-Walk In Front Mounted	6,677.52	
26 24 19 00-0456	EA	Standard Structure NEMA 3R N-Walk In Back-to-back	7,718.23	
26 24 19 00-0457	EA	Standard Structure NEMA 3R Walk-In Aisle Front Mounted	7,725.70	
26 24 19 00-0458		**Installation Hours For Vertical Sections** *(26 24 19 00-0268)*		
26 24 19 00-0459	EA	Install Vertical Section, 230/480 Volt, 1 Section, 600 Amperes	691.05	345.53
26 24 19 00-0460	EA	Install Vertical Section, 230/480 Volt, 2 Section, 600 Amperes	1,036.57	518.31
26 24 19 00-0461	EA	Install Vertical Section, 230/480 Volt, 3 Section, 600 Amperes	1,151.79	575.90
26 24 19 00-0462	EA	Install Vertical Section, 230/480 Volt, 4 Section, 600 Amperes	1,382.28	691.08
26 24 19 00-0463	EA	Bolt To Floor, Vertical Section, 230/480 Volt, 600 Amperes	115.18	57.59
26 24 19 00-0464	EA	Install Vertical Section, 230/480 Volt, 1 Section, 800 Amperes	691.05	345.53
26 24 19 00-0465	EA	Install Vertical Section, 230/480 Volt, 2 Section, 800 Amperes	1,036.57	518.31
26 24 19 00-0466	EA	Install Vertical Section, 230/480 Volt, 3 Section, 800 Amperes	1,151.79	575.90
26 24 19 00-0467	EA	Install Vertical Section, 230/480 Volt, 4 Section, 800 Amperes	1,382.28	691.08
26 24 19 00-0468	EA	Bolt To Floor, Vertical Section, 230/480 Volt, 800 Amperes	115.18	57.59
26 24 19 00-0469	EA	Install Vertical Section, 230/480 Volt, 1 Section, 1,200 Amperes	806.28	403.12
26 24 19 00-0470	EA	Install Vertical Section, 230/480 Volt, 2 Section, 1,200 Amperes	1,036.57	518.31
26 24 19 00-0471	EA	Install Vertical Section, 230/480 Volt, 3 Section, 1,200 Amperes	1,382.28	691.08
26 24 19 00-0472	EA	Install Vertical Section, 230/480 Volt, 4 Section, 1,200 Amperes	1,612.31	806.14
26 24 19 00-0473	EA	Bolt To Floor, Vertical Section, 230/480 Volt, 1,200 Amperes	172.77	86.38
26 24 19 00-0474	EA	Install Vertical Section, 230/480 Volt, 1 Section, 1,600 Amperes	921.44	460.71
26 24 19 00-0475	EA	Install Vertical Section, 230/480 Volt, 2 Section, 1,600 Amperes	1,267.08	633.49
26 24 19 00-0476	EA	Install Vertical Section, 230/480 Volt, 3 Section, 1,600 Amperes	1,612.31	806.14
26 24 19 00-0477	EA	Install Vertical Section, 230/480 Volt, 4 Section, 1,600 Amperes	1,842.56	921.32

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0478	EA	Bolt To Floor, Vertical Section, 230/480 Volt, 1,600 Amperes	230.36	115.18
26 24 19 00-0479	EA	Install Vertical Section, 230/480 Volt, 1 Section, 2,000 Amperes	921.44	460.71
26 24 19 00-0480	EA	Install Vertical Section, 230/480 Volt, 2 Section, 2,000 Amperes	1,382.28	691.08
26 24 19 00-0481	EA	Install Vertical Section, 230/480 Volt, 3 Section, 2,000 Amperes	1,727.51	863.73
26 24 19 00-0482	EA	Install Vertical Section, 230/480 Volt, 4 Section, 2,000 Amperes	1,958.18	979.14
26 24 19 00-0483	EA	Bolt To Floor, Vertical Section, 230/480 Volt, 2,000 Amperes	230.36	115.18
26 24 19 00-0484		Motor Control Centers *(26 24 19)*		
26 24 19 00-0485		2.4 KV Motor Control Centers *(26 24 19 00-0484)*		
26 24 19 00-0486	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 100 To 300 Hp	17,989.68	230.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*138.21*	
26 24 19 00-0487	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 400 Hp	17,989.68	230.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*138.21*	
26 24 19 00-0488	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 600 Hp	17,989.68	230.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*138.21*	
26 24 19 00-0489	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 700 Hp	18,047.31	259.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*155.50*	
26 24 19 00-0490	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,000 Hp	19,166.26	287.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*172.77*	
26 24 19 00-0491	EA	2,400 KV CL 11-202, Squirrel Cage Motor Control, 1,250 Hp	19,223.83	316.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*190.04*	
26 24 19 00-0492	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,500 Hp	19,281.41	345.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*207.32*	
26 24 19 00-0493	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,750 Hp	19,396.64	403.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*241.88*	
26 24 19 00-0494	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,000 Hp	19,511.80	460.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*276.43*	
26 24 19 00-0495	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,250 Hp	32,856.75	518.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*310.97*	
26 24 19 00-0496	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,500 Hp	35,266.28	575.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*345.54*	
26 24 19 00-0497	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 100 Hp	26,690.92	230.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*138.21*	
26 24 19 00-0498	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 150 Hp	27,806.17	247.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*148.58*	
26 24 19 00-0499	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 200 Hp	31,589.60	270.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*162.40*	
26 24 19 00-0500	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 300 Hp	35,162.12	287.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*172.77*	
26 24 19 00-0501	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 400 Hp	38,256.20	334.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*200.42*	
26 24 19 00-0502	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 600 Hp	41,915.25	357.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*214.24*	
26 24 19 00-0503	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 700 Hp	45,572.14	380.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*228.05*	
26 24 19 00-0504	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 1,000 Hp	49,910.45	414.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*248.80*	
26 24 19 00-0505	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 1,250 Hp	58,079.83	460.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*276.43*	
26 24 19 00-0506	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 1,500 Hp	62,925.52	489.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*293.73*	
26 24 19 00-0507	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 1,750 Hp	96,097.72	575.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*345.54*	
26 24 19 00-0508	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 2,000 Hp	102,388.35	633.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*380.12*	
26 24 19 00-0509	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 2,250 Hp	107,864.09	691.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*414.68*	
26 24 19 00-0510	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 2,500 Hp	117,452.55	748.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*449.28*	
26 24 19 00-0511	EA	2.4 KV CL 14-202, Synchronous Motor Control, 100 To 300 Hp	25,183.53	230.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*138.21*	
26 24 19 00-0512	EA	2.4 KV CL 14-202, Synchronous Motor Control, 400 Hp	25,241.16	259.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*155.50*	
26 24 19 00-0513	EA	2.4 KV CL 14-202, Synchronous Motor Control, 600 Hp	25,298.72	287.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*172.77*	
26 24 19 00-0514	EA	2.4 KV CL 14-202, Synchronous Motor Control, 700 Hp	25,356.29	316.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*190.04*	
26 24 19 00-0515	EA	2.4 KV CL 14-202, Synchronous Motor Control, 1,000 Hp	25,418.16	345.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*207.32*	
26 24 19 00-0516	EA	2,400 Volt CL 14-202, Synchronous Motor Control, 1,250 HP	25,475.80	374.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*224.61*	
26 24 19 00-0517	EA	2.4 KV CL 14-202, Synchronous Motor Control, 1,500 Hp	25,533.39	403.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*241.88*	
26 24 19 00-0518	EA	2.4 KV CL 14-202, Synchronous Motor Control, 1,750 Hp	25,763.68	518.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*310.97*	
26 24 19 00-0519	EA	2.4 KV CL 14-202, Synchronous Motor Control, 2,000 Hp	43,896.76	575.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*345.54*	
26 24 19 00-0520	EA	2.4 KV CL 14-202, Synchronous Motor Control, 2,250 Hp	44,012.05	633.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*380.12*	
26 24 19 00-0521	EA	2.4 KV CL 14-202, Synchronous Motor Control, 2,500 Hp	46,408.69	691.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*414.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0522	EA	Add For Reversing Starters, 100 To 700 HP	9,900.78	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*69.11*	
26 24 19 00-0523	EA	Add For Reversing Starters, 1,000 To 1,500 Hp	10,200.97	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*69.11*	
26 24 19 00-0524	EA	Add For Reversing Starters, 1,750 To 2,500 HP	15,615.12	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*69.11*	

26 24 19 00-0525 4.8 KV Motor Control Centers *(26 24 19 00-0484)*

26 24 19 00-0526	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 100 To 600 HP	19,581.60	345.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*207.32*	
26 24 19 00-0527	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 700 HP	19,639.24	374.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*224.61*	
26 24 19 00-0528	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,000 HP	19,696.83	403.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*241.88*	
26 24 19 00-0529	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,250 HP	19,754.44	431.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*259.17*	
26 24 19 00-0530	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,500 HP	20,862.66	460.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*276.43*	
26 24 19 00-0531	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,750 HP	20,920.31	489.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*293.73*	
26 24 19 00-0532	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,000 HP	20,977.79	518.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*310.97*	
26 24 19 00-0533	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,250 HP	21,035.48	547.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*328.28*	
26 24 19 00-0534	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,500 HP	21,093.01	575.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*345.54*	
26 24 19 00-0535	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,000 HP	35,730.01	748.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*449.28*	
26 24 19 00-0536	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,500 HP	35,844.73	806.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*483.69*	
26 24 19 00-0537	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,000 HP	38,243.52	863.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*518.25*	
26 24 19 00-0538	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,500 HP	38,358.57	921.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*552.77*	
26 24 19 00-0539	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 100 HP	27,225.73	345.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*207.32*	
26 24 19 00-0540	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 150 HP	27,583.57	374.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*224.61*	
26 24 19 00-0541	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 200 HP	32,165.45	403.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*241.88*	
26 24 19 00-0542	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 300 HP	35,750.30	431.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*259.17*	
26 24 19 00-0543	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 400 HP	38,809.75	460.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*276.43*	
26 24 19 00-0544	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 600 HP	42,480.41	489.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*293.73*	
26 24 19 00-0545	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 700 HP	45,925.75	518.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*310.97*	
26 24 19 00-0546	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,000 HP	50,475.58	547.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*328.28*	
26 24 19 00-0547	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,250 HP	58,466.71	575.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*345.54*	
26 24 19 00-0548	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,500 HP	63,897.74	604.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*362.82*	
26 24 19 00-0549	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,750 HP	69,386.35	662.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*397.39*	
26 24 19 00-0550	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 2,000 HP	73,923.28	691.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*414.68*	
26 24 19 00-0551	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 2,250 HP	78,202.72	719.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*431.93*	
26 24 19 00-0552	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 2,500 HP	84,189.32	748.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*449.28*	
26 24 19 00-0553	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 3,000 HP	133,443.88	921.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*552.77*	
26 24 19 00-0554	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 3,500 HP	148,397.48	979.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*587.45*	
26 24 19 00-0555	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 4,000 HP	178,370.66	1,036.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*621.94*	
26 24 19 00-0556	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 4,500 HP	188,673.62	1,036.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*621.94*	
26 24 19 00-0557	EA	4.8 KV CL 14-202, Synchronous Motor Control, 100 To 600 HP	26,886.39	403.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*241.88*	
26 24 19 00-0558	EA	4.8 KV CL 14-202, Synchronous Motor Control, 700 HP	26,944.00	431.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*259.17*	
26 24 19 00-0559	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,000 HP	27,001.55	460.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*276.43*	
26 24 19 00-0560	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,250 HP	27,059.20	489.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*293.73*	
26 24 19 00-0561	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,500 HP	29,376.69	518.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*310.97*	
26 24 19 00-0562	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,750 HP	29,434.38	547.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*328.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0563	EA	4.8 KV CL 14-202, Synchronous Motor Control, 2,000 HP	29,491.91	575.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*345.54*	
26 24 19 00-0564	EA	4.8 KV CL 14-202, Synchronous Motor Control, 2,250 HP	29,549.53	604.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*362.82*	
26 24 19 00-0565	EA	4.8 KV CL 14-202, Synchronous Motor Control, 2,500 HP	29,607.20	633.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*380.12*	
26 24 19 00-0566	EA	4.8 KV CL 14-202, Synchronous Motor Control, 3,000 HP	29,952.43	806.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*483.69*	
26 24 19 00-0567	EA	4.8 KV CL 14-202, Synchronous Motor Control, 3,500 HP	48,385.67	863.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*518.25*	
26 24 19 00-0568	EA	4.8 KV CL 14-202, Synchronous Motor Control, 4,000 HP	50,773.59	921.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*552.77*	
26 24 19 00-0569	EA	4.8 KV CL 14-202, Synchronous Motor Control, 4,500 HP	50,773.59	921.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*552.77*	
26 24 19 00-0570	EA	Add For Reversing Starters, 100 To 1,250 HP	10,901.49	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*69.11*	
26 24 19 00-0571	EA	Add For Reversing Starters, 1,500 To 2,500 HP	11,232.74	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*69.11*	
26 24 19 00-0572	EA	Add For Reversing Starters, 3,000 To 4,500 HP	17,207.16	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*69.11*	

26 24 19 00-0573 2.4/4.8 KV Motor Control Centers, Accessories *(26 24 19 00-0484)*

26 24 19 00-0574	EA	2.4/4.8 KV Load Break Disconnect Switch 600 Amperes	14,184.11	230.36
26 24 19 00-0575	EA	2.4/4.8 KV Load Break Disconnect Switch 1,200 Amperes	17,043.20	345.53
26 24 19 00-0576	EA	2.4/4.8 KV NEMA 3 Weather Resistant	5,586.37	
26 24 19 00-0577	EA	2.4/4.8 KV Space Heaters	272.00	17.27
26 24 19 00-0578	EA	2.4/4.8 KV Potential Transformer Fused	1,618.42	
26 24 19 00-0579	EA	2.4/4.8 KV Current Transformer 600 Volt, 5 KVA	868.36	
26 24 19 00-0580	EA	2.4/4.8 KV Control Transformer 4 KVA Max	2,586.15	
26 24 19 00-0581	EA	2.4/4.8 KV Pushbuttons Each	165.63	
26 24 19 00-0582	EA	2.4/4.8 KV Selector Switch Each	548.94	
26 24 19 00-0583	EA	2.4/4.8 KV Indicating Light	165.63	
26 24 19 00-0584	EA	2.4/4.8 KV Push To Test Light	501.61	
26 24 19 00-0585	EA	2.4/4.8 KV AC Voltmeter, Switchboard Type	1,334.48	
26 24 19 00-0586	EA	2.4/4.8 KV AC Ammeter, Switchboard Type	1,334.48	
26 24 19 00-0587	EA	2.4/4.8 KV Power Factor Meter	3,991.62	
26 24 19 00-0588	EA	2.4/4.8 KV Watt Hr Meter, 2 Element Drawout	2,751.78	
26 24 19 00-0589	EA	2.4/4.8 KV Operation Counter	536.16	17.27
26 24 19 00-0590	EA	2.4/4.8 KV Phase Failure Protection	3,858.36	57.59
26 24 19 00-0591	EA	2.4/4.8 KV Ground Protection	7,373.58	28.79
26 24 19 00-0592	EA	2.4/4.8 KV Synchronous Motor DC Protection	2,982.30	28.79
26 24 19 00-0593	EA	2.4/4.8 KV Lightning Arresters	5,494.58	17.27
26 24 19 00-0594	EA	2.4/4.8 KV Portable Lifting Mechanism	7,958.93	
26 24 19 00-0595	EA	2.4/4.8 KV Auxiliary Timing Relay	779.14	57.59
26 24 19 00-0596	EA	2.4/4.8 KV Auxiliary Control Relay	554.25	57.59

26 24 19 00-0597 Incoming Section And Feeder Air Circuit Breakers *(26 24 19 00-0484)*

Note: 3 Pole. Includes structure.

26 24 19 00-0598	EA	Incoming Section MCC, Air Circuit Breaker, 70 - 100 Amperes, 14,000 Ampere IC, 3-Pole, With Structure Included	1,345.36	345.42
26 24 19 00-0599	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 225 Amperes, 22,000 Ampere IC, 3-Pole, With Structure Included	2,333.15	611.43
26 24 19 00-0600	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included	2,780.88	782.88
26 24 19 00-0601	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 600 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included	4,469.46	1,260.68
26 24 19 00-0602	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 1,200 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included	5,265.65	1,386.74
26 24 19 00-0603	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 2,000 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included	6,832.73	1,538.02
26 24 19 00-0604	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amperes, 45,000 Ampere IC, 3-Pole, With Structure Included	7,950.20	1,802.76
26 24 19 00-0605	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amperes, 100,000 Ampere IC, 3-Pole, With Structure Included	13,899.47	2,100.28

26 24 19 00-0606 Main Lugs Only *(26 24 19 00-0484)*

26 24 19 00-0607	EA	600 Amperes Incoming Section, Main Lugs	1,049.56	441.24
26 24 19 00-0608	EA	800 Amperes Incoming Section, Main Lugs	1,138.82	441.24
26 24 19 00-0609	EA	1,200 Amperes Incoming Section, Main Lugs	1,591.43	693.37
26 24 19 00-0610	EA	2,000 Amperes Incoming Section, Main Lugs	3,968.95	1,260.68
26 24 19 00-0611	EA	3,000 Amperes Incoming Section, Main Lugs	6,045.34	1,827.97
26 24 19 00-0612	EA	4,000 Amperes Incoming Section, Main Lugs	8,647.84	2,521.35

26 24 19 00-0613 Incoming Main Circuit Breaker Structure *(26 24 19 00-0484)*

Note: Includes structure, main breaker, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0614	EA	225 Amperes, Main Circuit Breaker Section	7,349.27	610.04
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0615	EA	400 Amperes, Main Circuit Breaker Section	15,662.10	783.64
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0616	EA	600 Amperes, Main Circuit Breaker Section	16,213.18	1,220.58
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0617	EA	800 Amperes, Main Circuit Breaker Section	23,098.13	1,220.58
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0618	EA	1,200 Amperes, Main Circuit Breaker Section	33,478.12	1,381.07
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	

26 24 19 00-0619 Incoming Fusible Main Disconnect Section *(26 24 19 00-0484)*

Note: Includes structure, fuses, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.

26 24 19 00-0620	EA	200 Amperes, Fusible Main Disconnect Section	6,371.73	610.80
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0621	EA	400 Amperes, Fusible Main Disconnect Section	8,804.73	784.02
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0622	EA	600 Amperes, Fusible Main Disconnect Section	17,238.27	1,221.60
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0623	EA	800 Amperes, Fusible Main Disconnect Section	20,062.60	1,221.60
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0624	EA	1,200 Amperes, Fusible Main Disconnect Section	28,296.23	1,382.33
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	

26 24 19 00-0625 Circuit Breaker Combination Starters *(26 24 19 00-0484)*

26 24 19 00-0626 Class I, Type A *(26 24 19 00-0625)*

26 24 19 00-0627	EA	Size 1, Class I, Type A Circuit Breaker Combination Starter	1,126.45	255.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*145.91*	
26 24 19 00-0628	EA	Size 2, Class I, Type A Circuit Breaker Combination Starter	1,311.41	255.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*161.62*	
26 24 19 00-0629	EA	Size 3, Class I, Type A Circuit Breaker Combination Starter	1,905.98	363.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*217.36*	
26 24 19 00-0630	EA	Size 4, Class I, Type A Circuit Breaker Combination Starter	3,112.38	477.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*286.52*	
26 24 19 00-0631	EA	Size 5, Class I, Type A Circuit Breaker Combination Starter	5,595.89	597.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*358.15*	

26 24 19 00-0632 Class I, Type B *(26 24 19 00-0625)*

26 24 19 00-0633	EA	Size 1, Class I, Type B Circuit Breaker Combination Starter	1,067.65	223.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*126.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0634	EA	Size 2, Class I, Type B Circuit Breaker Combination Starter	1,245.90	223.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*141.97*	
26 24 19 00-0635	EA	Size 3, Class I, Type B Circuit Breaker Combination Starter	1,827.95	322.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*193.95*	
26 24 19 00-0636	EA	Size 4, Class I, Type B Circuit Breaker Combination Starter	3,032.79	437.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*262.64*	
26 24 19 00-0637	EA	Size 5, Class I, Type B Circuit Breaker Combination Starter	5,531.71	558.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*338.89*	
26 24 19 00-0638		**Class I, Type C** *(26 24 19 00-0625)*		
26 24 19 00-0639	EA	Size 1, Class I, Type C Circuit Breaker Combination Starter	1,127.23	206.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.19*	
26 24 19 00-0640	EA	Size 2, Class I, Type C Circuit Breaker Combination Starter	1,316.59	206.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*134.12*	
26 24 19 00-0641	EA	Size 3, Class I, Type C Circuit Breaker Combination Starter	1,957.73	308.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*185.39*	
26 24 19 00-0642	EA	Size 4, Class I, Type C Circuit Breaker Combination Starter	3,169.75	427.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*256.24*	
26 24 19 00-0643	EA	Size 5, Class I, Type C Circuit Breaker Combination Starter	5,659.45	548.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*328.30*	
26 24 19 00-0644		**Class II, Type B** *(26 24 19 00-0625)*		
26 24 19 00-0645	EA	Size 1, Class II, Type B Circuit Breaker Combination Starter	1,126.39	306.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*173.17*	
26 24 19 00-0646	EA	Size 2, Class II, Type B Circuit Breaker Combination Starter	1,558.96	306.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*193.36*	
26 24 19 00-0647	EA	Size 3, Class II, Type B Circuit Breaker Combination Starter	2,210.86	408.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*244.32*	
26 24 19 00-0648	EA	Size 4, Class II, Type B Circuit Breaker Combination Starter	3,614.30	523.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*315.17*	
26 24 19 00-0649	EA	Size 5, Class II, Type B Circuit Breaker Combination Starter	6,529.15	639.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*384.35*	
26 24 19 00-0650		**Class II, Type C** *(26 24 19 00-0625)*		
26 24 19 00-0651	EA	Size 1, Class II, Type C Circuit Breaker Combination Starter	1,408.30	289.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*165.88*	
26 24 19 00-0652	EA	Size 2, Class II, Type C Circuit Breaker Combination Starter	1,617.45	289.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*181.13*	
26 24 19 00-0653	EA	Size 3, Class II, Type C Circuit Breaker Combination Starter	2,347.05	395.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*236.97*	
26 24 19 00-0654	EA	Size 4, Class II, Type C Circuit Breaker Combination Starter	3,742.02	510.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*305.99*	
26 24 19 00-0655	EA	Size 5, Class II, Type C Circuit Breaker Combination Starter	6,674.40	630.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*379.72*	
26 24 19 00-0656		**Fused Disconnect Combination Starter** *(26 24 19 00-0484)*		
26 24 19 00-0657		**Class I, Type A** *(26 24 19 00-0656)*		
26 24 19 00-0658	EA	Size 1, Class I, Type A Fused Disconnect Combination Starter	1,027.96	235.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*141.97*	
26 24 19 00-0659	EA	Size 2, Class I, Type A Fused Disconnect Combination Starter	1,549.51	322.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*193.36*	
26 24 19 00-0660	EA	Size 3, Class I, Type A Fused Disconnect Combination Starter	2,461.39	419.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*252.14*	
26 24 19 00-0661	EA	Size 4, Class I, Type A Fused Disconnect Combination Starter	3,367.35	588.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*354.12*	
26 24 19 00-0662	EA	Size 5, Class I, Type A Fused Disconnect Combination Starter	5,895.01	750.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*450.24*	
26 24 19 00-0663		**Class I, Type B** *(26 24 19 00-0656)*		
26 24 19 00-0664	EA	Size 1, Class I, Type B Fused Disconnect Combination Starter	1,046.39	210.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*126.07*	
26 24 19 00-0665	EA	Size 2, Class I, Type B Fused Disconnect Combination Starter	1,409.35	288.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*173.17*	
26 24 19 00-0666	EA	Size 3, Class I, Type B Fused Disconnect Combination Starter	2,084.64	385.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*231.74*	
26 24 19 00-0667	EA	Size 4, Class I, Type B Fused Disconnect Combination Starter	3,485.92	557.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*335.29*	
26 24 19 00-0668	EA	Size 5, Class I, Type B Fused Disconnect Combination Starter	5,996.25	708.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*425.90*	
26 24 19 00-0669		**Class I, Type C** *(26 24 19 00-0656)*		
26 24 19 00-0670	EA	Size 1, Class I, Type C Fused Disconnect Combination Starter	1,107.06	196.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*118.04*	
26 24 19 00-0671	EA	Size 2, Class I, Type C Fused Disconnect Combination Starter	1,488.19	267.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*161.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0672	EA	Size 3, Class I, Type C Fused Disconnect Combination Starter	2,265.25	371.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*225.12*	
26 24 19 00-0673	EA	Size 4, Class I, Type C Fused Disconnect Combination Starter	3,665.34	548.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*328.30*	
26 24 19 00-0674	EA	Size 5, Class I, Type C Fused Disconnect Combination Starter	5,672.86	700.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*420.23*	
26 24 19 00-0675		**Class II, Type B** *(26 24 19 00-0656)*		
26 24 19 00-0676	EA	Size 1, Class II, Type B Fused Disconnect Combination Starter	1,320.33	295.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*177.06*	
26 24 19 00-0677	EA	Size 2, Class II, Type B Fused Disconnect Combination Starter	1,705.46	368.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*220.40*	
26 24 19 00-0678	EA	Size 3, Class II, Type B Fused Disconnect Combination Starter	2,471.98	474.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*283.94*	
26 24 19 00-0679	EA	Size 4, Class II, Type B Fused Disconnect Combination Starter	4,022.85	639.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*384.35*	
26 24 19 00-0680	EA	Size 5, Class II, Type B Fused Disconnect Combination Starter	6,893.76	798.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*477.53*	
26 24 19 00-0681		**Class II, Type C** *(26 24 19 00-0656)*		
26 24 19 00-0682	EA	Size 1, Class II, Type C Fused Disconnect Combination Starter	1,370.49	277.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*165.88*	
26 24 19 00-0683	EA	Size 2, Class II, Type C Fused Disconnect Combination Starter	1,783.87	347.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*208.72*	
26 24 19 00-0684	EA	Size 3, Class II, Type C Fused Disconnect Combination Starter	2,623.21	452.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*271.70*	
26 24 19 00-0685	EA	Size 4, Class II, Type C Fused Disconnect Combination Starter	4,184.38	624.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*375.20*	
26 24 19 00-0686	EA	Size 5, Class II, Type C Fused Disconnect Combination Starter	7,049.65	772.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*463.48*	
26 24 19 00-0687		**Space Complete With Bus And Hardware** *(26 24 19 00-0484)*		
26 24 19 00-0688		**Circuit Breaker Type** *(26 24 19 00-0687)*		
26 24 19 00-0689	EA	Circuit Breaker Type, Size 1 Space Complete With Bus And Hardware	317.32	85.72
26 24 19 00-0690	EA	Circuit Breaker Type, Size 2 Space Complete With Bus And Hardware	317.32	85.72
26 24 19 00-0691	EA	Circuit Breaker Type, Size 3 Space Complete With Bus And Hardware	471.65	124.81
26 24 19 00-0692	EA	Circuit Breaker Type, Size 4 Space Complete With Bus And Hardware	559.16	163.89
26 24 19 00-0693	EA	Circuit Breaker Type, Size 5 Space Complete With Bus And Hardware	939.76	249.61
26 24 19 00-0694		**Fused Disconnect Type** *(26 24 19 00-0687)*		
26 24 19 00-0695	EA	Fused Disconnect Type, Size 1 Space Complete With Bus And Hardware	317.32	85.72
26 24 19 00-0696	EA	Fused Disconnect Type, Size 2 Space Complete With Bus And Hardware	420.24	124.81
26 24 19 00-0697	EA	Fused Disconnect Type, Size 3 Space Complete With Bus And Hardware	584.32	163.89
26 24 19 00-0698	EA	Fused Disconnect Type, Size 4 Space Complete With Bus And Hardware	1,009.97	249.61
26 24 19 00-0699	EA	Fused Disconnect Type, Size 5 Space Complete With Bus And Hardware	1,407.27	363.07
26 24 19 00-0700		**Blank Space For Future Expansion** *(26 24 19 00-0687)*		
		Note: Factory modified no labor costs.		
26 24 19 00-0701	EA	Blank Space For Future Expansion, Size 1 Factory Modified, No Crew Costs	146.50	
26 24 19 00-0702	EA	Blank Space For Future Expansion, Size 2 Factory Modified, No Crew Costs	146.50	
26 24 19 00-0703	EA	Blank Space For Future Expansion, Size 3 Factory Modified, No Crew Costs	222.11	
26 24 19 00-0704	EA	Blank Space For Future Expansion, Size 4 Factory Modified, No Crew Costs	222.11	
26 24 19 00-0705	EA	Blank Space For Future Expansion, Size 5 Factory Modified, No Crew Costs	441.86	
26 24 19 00-0706		**Structure Combination Of Starters To 72" High** *(26 24 19 00-0687)*		
26 24 19 00-0707	EA	Structure Combination Of Starters To 72" High	3,708.57	663.49
26 24 19 00-0708		**Motor Control Center Basic Distribution Section** *(26 24 19 00-0484)*		
26 24 19 00-0709	EA	20" Wide Basic Section With Vertical Wireway	6,187.88	1,727.88
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0710	EA	25" To 35" Wide Basic Section (No Vertical Wireway)	6,187.88	1,727.88
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
26 24 19 00-0711	EA	25" Wide Basic Section With 9" Wide Vertical Wireway	6,831.66	1,727.88
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
26 24 19 00-0712	EA	Corner Section	6,831.66	1,727.88
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	

26 24 19 00-0713 Motor Control Center Starters With HMCP Circuit Breaker *(26 24 19 00-0484)*

Note: Includes door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure. Line voltages of 208 V, 240 V, 480 V, and 600 V.

26 24 19 00-0714 FVNR Starters With HMCP Circuit Breaker *(26 24 19 00-0713)*

26 24 19 00-0715	EA	Class 1, Type A, Size 1 FVNR Starters With HMCP Circuit Breaker	1,605.51	242.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*145.60*	
26 24 19 00-0716	EA	Class 1, Type A, Size 2 FVNR Starters With HMCP Circuit Breaker	1,787.01	269.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*161.49*	
26 24 19 00-0717	EA	Class 1, Type A, Size 3 FVNR Starters With HMCP Circuit Breaker	3,098.08	361.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*217.11*	
26 24 19 00-0718	EA	Class 1, Type A, Size 4 FVNR Starters With HMCP Circuit Breaker	4,493.61	477.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*286.26*	
26 24 19 00-0719	EA	Class 1, Type A, Size 5 FVNR Starters With HMCP Circuit Breaker	10,243.65	596.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*357.74*	
26 24 19 00-0720	EA	Class 1, Type A, Size 6 FVNR Starters With HMCP Circuit Breaker	23,958.38	596.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*357.74*	
26 24 19 00-0721	EA	Class 1, Type B, Size 1 FVNR Starters With HMCP Circuit Breaker	1,620.91	209.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*125.93*	
26 24 19 00-0722	EA	Class 1, Type B, Size 2 FVNR Starters With HMCP Circuit Breaker	1,828.10	236.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*141.82*	
26 24 19 00-0723	EA	Class 1, Type B, Size 3 FVNR Starters With HMCP Circuit Breaker	3,167.50	322.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*193.63*	
26 24 19 00-0724	EA	Class 1, Type B, Size 4 FVNR Starters With HMCP Circuit Breaker	4,496.44	437.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*262.49*	
26 24 19 00-0725	EA	Class 1, Type B, Size 5 FVNR Starters With HMCP Circuit Breaker	10,262.88	564.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*338.89*	
26 24 19 00-0726	EA	Class 1, Type B, Size 6 FVNR Starters With HMCP Circuit Breaker	24,125.18	564.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*338.89*	

26 24 19 00-0727 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker *(26 24 19 00-0713)*

26 24 19 00-0728	EA	Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	2,571.41	303.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*182.18*	
26 24 19 00-0729	EA	Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	3,154.68	335.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*201.60*	
26 24 19 00-0730	EA	Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	5,198.93	451.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*270.92*	
26 24 19 00-0731	EA	Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	8,943.78	596.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*358.15*	
26 24 19 00-0732	EA	Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	16,151.83	746.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*448.11*	
26 24 19 00-0733	EA	Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	2,611.62	262.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*157.32*	
26 24 19 00-0734	EA	Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	3,221.67	295.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*177.39*	
26 24 19 00-0735	EA	Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	5,292.70	404.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*242.44*	
26 24 19 00-0736	EA	Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	8,967.37	547.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*328.30*	
26 24 19 00-0737	EA	Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	16,194.52	706.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*423.99*	

26 24 19 00-0738 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker *(26 24 19 00-0713)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0739	EA	Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	2,817.55	303.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*182.18*	
26 24 19 00-0740	EA	Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	4,009.59	335.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*201.60*	
26 24 19 00-0741	EA	Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	7,566.74	451.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*270.92*	
26 24 19 00-0742	EA	Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	10,304.08	596.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*358.15*	
26 24 19 00-0743	EA	Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	20,656.09	746.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*448.11*	
26 24 19 00-0744	EA	Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	2,857.76	262.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*157.32*	
26 24 19 00-0745	EA	Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	4,076.58	295.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*177.39*	
26 24 19 00-0746	EA	Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	7,660.52	404.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*242.44*	
26 24 19 00-0747	EA	Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	10,327.67	547.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*328.30*	
26 24 19 00-0748	EA	Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	20,698.78	706.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*423.99*	

26 24 19 00-0749 Motor Control Center Starters With Fusible Disconnect *(26 24 19 00-0484)*

Note: Includes fuses, door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure.
Line voltages of 208 V, 240 V, 480 V, and 600 V.

26 24 19 00-0750 FVNR Starters With Fusible Disconnect *(26 24 19 00-0749)*

26 24 19 00-0751	EA	Class 1, Type A, Size 1 FVNR Starters With Fusible Disconnect	1,295.32	236.63
26 24 19 00-0752	EA	Class 1, Type A, Size 2 FVNR Starters With Fusible Disconnect	1,688.45	321.59
26 24 19 00-0753	EA	Class 1, Type A, Size 3 FVNR Starters With Fusible Disconnect	2,815.49	419.05
26 24 19 00-0754	EA	Class 1, Type A, Size 4 FVNR Starters With Fusible Disconnect	4,747.72	590.24
26 24 19 00-0755	EA	Class 1, Type A, Size 5 FVNR Starters With Fusible Disconnect	9,539.56	750.35
26 24 19 00-0756	EA	Class 1, Type A, Size 6 FVNR Starters With Fusible Disconnect	24,182.93	750.35
26 24 19 00-0757	EA	Class 1, Type B, Size 1 FVNR Starters With Fusible Disconnect	1,321.61	209.78
26 24 19 00-0758	EA	Class 1, Type B, Size 2 FVNR Starters With Fusible Disconnect	1,728.08	288.06
26 24 19 00-0759	EA	Class 1, Type B, Size 3 FVNR Starters With Fusible Disconnect	2,897.43	386.27
26 24 19 00-0760	EA	Class 1, Type B, Size 4 FVNR Starters With Fusible Disconnect	4,766.98	558.86
26 24 19 00-0761	EA	Class 1, Type B, Size 5 FVNR Starters With Fusible Disconnect	9,540.48	709.89
26 24 19 00-0762	EA	Class 1, Type B, Size 6 FVNR Starters With Fusible Disconnect	24,331.53	709.89

26 24 19 00-0763 Two Speed 2-Winding (TS2W) With Fusible Disconnect *(26 24 19 00-0749)*

26 24 19 00-0764	EA	Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect	2,231.68	296.26
26 24 19 00-0765	EA	Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect	3,109.46	402.02
26 24 19 00-0766	EA	Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect	4,814.58	523.56
26 24 19 00-0767	EA	Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect	10,092.73	739.89
26 24 19 00-0768	EA	Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect	16,421.02	865.83
26 24 19 00-0769	EA	Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect	2,285.63	262.22
26 24 19 00-0770	EA	Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect	3,172.70	359.79
26 24 19 00-0771	EA	Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect	4,922.97	483.35
26 24 19 00-0772	EA	Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect	10,130.69	697.28
26 24 19 00-0773	EA	Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect	16,445.38	816.54

26 24 19 00-0774 Two Speed 1-Winding (TS1W) With Fusible Disconnect *(26 24 19 00-0749)*

26 24 19 00-0775	EA	Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect	2,602.52	296.26
26 24 19 00-0776	EA	Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect	3,977.50	402.02
26 24 19 00-0777	EA	Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect	7,207.01	523.56
26 24 19 00-0778	EA	Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect	10,591.56	739.89
26 24 19 00-0779	EA	Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect	20,009.66	865.83
26 24 19 00-0780	EA	Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect	2,657.57	262.22
26 24 19 00-0781	EA	Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect	4,040.74	359.79
26 24 19 00-0782	EA	Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect	7,315.40	483.35
26 24 19 00-0783	EA	Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect	10,629.52	697.28
26 24 19 00-0784	EA	Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect	20,034.03	816.54

26 24 19 00-0785 Tin Plated Copper Bus Bar And Ground Bus Bar Splice Kit *(26 24 19 00-0484)*

Note: Per section. Labor is included in basic distribution section.

26 24 19 00-0786	EA	600 Amperes, Horizontal Tin Plated Copper Bus Kit	280.99	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.47*	
26 24 19 00-0787	EA	800 Amperes, Horizontal Tin Plated Copper Bus Kit	344.43	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.47*	
26 24 19 00-0788	EA	1,200 Amperes, Horizontal Tin Plated Copper Bus Kit	414.19	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.36*	
26 24 19 00-0789	EA	1,600 Amperes, Horizontal Tin Plated Copper Bus Kit	538.90	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.36*	
26 24 19 00-0790	EA	2,000 Amperes, Horizontal Tin Plated Copper Bus Kit	904.02	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.26*	
26 24 19 00-0791	EA	1/4" x 2" Horizontal Tin Plated Copper Ground Bus Kit	160.90	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0792		**Disconnect (Safety) Switch For Motor Control Centers** *(26 24 19 00-0484)*		
26 24 19 00-0793		**3 Pole Circuit Breaker Disconnect For Motor Control Center** *(26 24 19 00-0792)* Note: Includes door, unit support pan, inverse time (Thermal Magnetic) circuit breaker, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters).		
26 24 19 00-0794	EA	150 Amperes Rating, 15 To 100 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect	1,054.98	182.17
26 24 19 00-0795	EA	150 Amperes Rating, 125 To 150 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect	1,859.80	201.71
26 24 19 00-0796	EA	225 Amperes Rating, 70 To 225 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect	2,265.94	271.68
26 24 19 00-0797	EA	400 Amperes Rating, 125 To 400 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect	3,770.68	358.03
26 24 19 00-0798	EA	600 Amperes Rating, 300 To 600 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect	6,534.52	447.54
26 24 19 00-0799	EA	800 Amperes Rating, 400 To 800 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect	7,461.58	447.54
26 24 19 00-0800	EA	1,200 Amperes Rating, 600 To 1,200 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect	15,414.10	560.37
26 24 19 00-0801		**Fusible Disconnect (Safety) Switch For Motor Control Center** *(26 24 19 00-0792)* Note: Includes door, unit support pan, fuses and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters).		
26 24 19 00-0802	EA	30 Amperes Switch Rating, Fusible Disconnect Switch With 30 Amperes Fuse Clips	895.74	177.13
26 24 19 00-0803	EA	60 Amperes Switch Rating, Fusible Disconnect Switch With 60 Amperes Fuse Clips	1,057.18	241.42
26 24 19 00-0804	EA	100 Amperes Switch Rating, Fusible Disconnect Switch With 100 Amperes Fuse Clips	1,448.02	308.87
26 24 19 00-0805	EA	200 Amperes Switch Rating, Fusible Disconnect Switch With 200 Amperes Fuse Clips	2,694.97	442.50
26 24 19 00-0806	EA	400 Amperes Switch Rating, Fusible Disconnect Switch With 400 Amperes Fuse Clips	4,779.88	562.77
26 24 19 00-0807	EA	600 Amperes Switch Rating, Fusible Disconnect Switch With 600 Amperes Fuse Clips	10,949.65	562.77
26 24 19 00-0808	EA	800 Amperes Switch Rating, Fusible Disconnect Switch With 800 Amperes Fuse Clips	13,536.51	703.46
26 24 19 00-0809	EA	1,200 Amperes Switch Rating, Fusible Disconnect Switch With 1,200 Amperes Fuse Clips	19,995.09	703.46
26 24 19 00-0810		**Control Circuit Transformer** *(26 24 19 00-0484)*		
26 24 19 00-0811	EA	Control Circuit Transformer, Size 1 Factory Installed	78.16	
26 24 19 00-0812	EA	Control Circuit Transformer, Size 2 Factory Installed	78.16	
26 24 19 00-0813	EA	Control Circuit Transformer, Size 3 Factory Installed	150.52	
26 24 19 00-0814	EA	Control Circuit Transformer, Size 4 Factory Installed	150.52	
26 24 19 00-0815	EA	Control Circuit Transformer, Size 5 Factory Installed	209.11	
26 24 19 00-0816	EA	Control Circuit Fuse And Holder Small Dim, Dual Element Time Delay	58.37	14.27
26 24 19 00-0817		**Cover Mounted Control Devices** *(26 24 19 00-0484)*		
26 24 19 00-0818	EA	Control Device, 2 Unit Push Button Station Cover Mounted	130.69	25.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.76*	
26 24 19 00-0819	EA	Control Device, 2-3 Unit Selector Switch Cover Mounted	146.71	25.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.70*	
26 24 19 00-0820	EA	Control Device, Pilot Light Cover Mounted	123.29	25.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.80*	
26 24 19 00-0821	EA	Control Device, Hand-Off-Auto Switch Cover Mounted With Pilot Light	334.33	85.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*51.67*	
26 24 19 00-0822	EA	Auxiliary Contact Add Per Starter	401.77	32.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.60*	
26 24 19 00-0823		**Extra Interlocks** *(26 24 19 00-0484)* Note: Per contact.		
26 24 19 00-0824	EA	Extra Interlocks, Class I, Type A Per Contact	85.09	16.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.80*	
26 24 19 00-0825	EA	Extra Interlocks, Class I, Type B Per Contact	117.76	16.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.80*	
26 24 19 00-0826	EA	Extra Interlocks, Class I, Type C Per Contact	130.85	16.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.85*	
26 24 19 00-0827	EA	Extra Interlocks, Class II, Type B Per Contact	117.75	16.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.88*	
26 24 19 00-0828	EA	Extra Interlocks, Class II, Type C Per Contact	124.38	16.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.95*	
26 24 19 00-0829		**Special Cabinet Provisions** *(26 24 19 00-0484)*		
26 24 19 00-0830	EA	Provisions For Bus Duct Entrance Special Cabinet Provisions	978.41	
26 24 19 00-0831		**Nameplate Requirements** *(26 24 19 00-0484)*		
26 24 19 00-0832	EA	Special Cabinet Nameplate Requirements	34.74	
26 24 19 00-0833		**Auxiliary Relays** *(26 24 19 00-0484)*		
26 24 19 00-0834	EA	Industrial Control Relay, 10 Amperes, Class A600 With 2 Contacts	191.78	31.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.94*	
26 24 19 00-0835	EA	Timing Relay, Solid State, DPDT 0.1-10 Sec Variable, Off-Delay	181.33	28.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.94*	
26 24 19 00-0836	EA	General Purpose Control Relay, 240 Volt AC, 10 Amperes, With Base	103.33	28.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.94*	
26 24 19 00-0837		**Motor Control Center Accessories** *(26 24 19 00-0484)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0838		Lighting Transformer With Circuit Breaker *(26 24 19 00-0837)* Note: For 240 V, 480 V, or 600 V primary. Includes door, unit support pan, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure for MCC only.		
26 24 19 00-0839	EA	1 Phase, 5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	5,676.48	404.89
26 24 19 00-0840	EA	1 Phase, 7.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	5,901.86	421.09
26 24 19 00-0841	EA	1 Phase, 10 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	6,457.12	453.48
26 24 19 00-0842	EA	1 Phase, 15 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	8,114.66	485.87
26 24 19 00-0843	EA	1 Phase, 25 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	10,906.62	518.26
26 24 19 00-0844	EA	1 Phase, 37.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	13,396.17	583.04
26 24 19 00-0845	EA	1 Phase, 50 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	17,598.40	647.83
26 24 19 00-0846	EA	3 Phase, 10 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	10,283.69	534.45
26 24 19 00-0847	EA	3 Phase, 15 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	11,172.77	583.04
26 24 19 00-0848	EA	3 Phase, 25 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	12,777.93	647.83
26 24 19 00-0849	EA	3 Phase, 30 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	13,556.80	712.60
26 24 19 00-0850	EA	3 Phase, 37.5 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	16,353.90	777.39
26 24 19 00-0851	EA	3 Phase, 45 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	16,875.45	842.18
26 24 19 00-0852		Bolt-On Lighting Panel *(26 24 19 00-0837)* Note: Includes door, T-handle, unit support pan, neutral bar (10 KA IC RMS), and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. For MCC only.		
26 24 19 00-0853	EA	18 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt	2,373.50	656.05
26 24 19 00-0854	EA	30 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt	3,694.99	1,141.92
26 24 19 00-0855	EA	42 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt	4,909.12	1,544.95
26 24 19 00-0856	EA	18 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt	2,481.07	709.89
26 24 19 00-0857	EA	30 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt	3,646.40	1,117.59
26 24 19 00-0858	EA	42 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt	5,102.24	1,641.53
26 24 19 00-0859	EA	18 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt	4,022.50	760.95
26 24 19 00-0860	EA	30 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt	5,345.90	1,221.60
26 24 19 00-0861	EA	42 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt	6,674.22	1,641.53
26 24 19 00-0862	EA	18 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt	4,142.19	820.69
26 24 19 00-0863	EA	30 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt	5,345.90	1,221.60
26 24 19 00-0864	EA	42 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt	6,780.12	1,694.47
26 24 19 00-0865		Factory Installed Bolt-On Branch Circuit Breaker *(26 24 19 00-0837)* Note: For MCC lighting panel only.		
26 24 19 00-0866	EA	15 To 30 Amperes,1 Pole, Bolt-On Branch Circuit Breaker	27.70	
26 24 19 00-0867	EA	15 To 30 Amperes, 1 Pole (GFI) Bolt-On Branch Circuit Breaker	301.53	
26 24 19 00-0868	EA	15 To 50 Amperes, 2 Pole, Bolt-On Branch Circuit Breaker	54.14	
26 24 19 00-0869	EA	60 To 100 Amperes, 2 Pole, Bolt-On Branch Circuit Breaker	124.65	
26 24 19 00-0870	EA	15 To 50 Amperes, 3 Pole, Bolt-On Branch Circuit Breaker	146.05	
26 24 19 00-0871	EA	60 To 100 Amperes, 3 Pole, Bolt-On Branch Circuit Breaker	221.60	
26 24 19 00-0872		Blank Unit Door (BUD) *(26 24 19 00-0837)* Note: With NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Factory installed.		
26 24 19 00-0873	EA	6" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	80.41	
26 24 19 00-0874	EA	12" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	96.49	
26 24 19 00-0875	EA	18" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	144.73	
26 24 19 00-0876	EA	24" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	192.98	
26 24 19 00-0877	EA	30" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	289.47	
26 24 19 00-0878	EA	48" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	337.71	
26 24 19 00-0879	EA	72" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	385.96	

26 25 Enclosed Bus Assemblies *(26 20)*

26 25 13 Low-Voltage Busways *(26 25)*

26 25 13 00-0001		Plug-In Bus Duct *(26 25 13)* Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.		
26 25 13 00-0002		600 Volt, 3-Phase, 3-Wire, Copper Conductors *(26 25 13 00-0001)*		
26 25 13 00-0003	LF	225 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	285.40	37.82
		For Up To 25, Add	*71.35*	
		For >25 To 50, Add	*42.81*	
		For >50 To 100, Add	*21.41*	
26 25 13 00-0004	LF	400 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	401.23	37.82
		For Up To 25, Add	*100.31*	
		For >25 To 50, Add	*60.18*	
		For >50 To 100, Add	*30.09*	
26 25 13 00-0005	LF	600 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	507.18	50.43
		For Up To 25, Add	*126.80*	
		For >25 To 50, Add	*76.08*	
		For >50 To 100, Add	*38.04*	
26 25 13 00-0006	LF	800 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	696.56	50.43
		For Up To 25, Add	*174.14*	
		For >25 To 50, Add	*104.48*	
		For >50 To 100, Add	*52.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 13 00-0007	LF	1,000 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	735.07	63.03
		For Up To 25, Add	*183.77*	
		For >25 To 50, Add	*110.26*	
		For >50 To 100, Add	*55.13*	
26 25 13 00-0008	LF	1,350 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	1,019.50	63.03
		For Up To 25, Add	*254.88*	
		For >25 To 50, Add	*152.93*	
		For >50 To 100, Add	*76.46*	
26 25 13 00-0009	LF	1,600 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	1,190.86	66.18
		For Up To 25, Add	*297.72*	
		For >25 To 50, Add	*178.63*	
		For >50 To 100, Add	*89.31*	
26 25 13 00-0010	LF	2,000 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	1,446.49	68.07
		For Up To 25, Add	*361.62*	
		For >25 To 50, Add	*216.97*	
		For >50 To 100, Add	*108.49*	
26 25 13 00-0011	LF	2,500 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	1,781.81	71.86
		For Up To 25, Add	*445.45*	
		For >25 To 50, Add	*267.27*	
		For >50 To 100, Add	*133.64*	
26 25 13 00-0012	LF	3,000 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	2,057.62	83.84
		For Up To 25, Add	*514.41*	
		For >25 To 50, Add	*308.64*	
		For >50 To 100, Add	*154.32*	
26 25 13 00-0013	LF	4,000 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	2,379.64	91.39
		For Up To 25, Add	*594.91*	
		For >25 To 50, Add	*356.95*	
		For >50 To 100, Add	*178.47*	

26 25 13 00-0014 277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors *(26 25 13 00-0001)*

26 25 13 00-0015	LF	225 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	460.09	37.82
		For Up To 25, Add	*115.02*	
		For >25 To 50, Add	*69.01*	
		For >50 To 100, Add	*34.51*	
26 25 13 00-0016	LF	400 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	661.34	37.82
		For Up To 25, Add	*165.34*	
		For >25 To 50, Add	*99.20*	
		For >50 To 100, Add	*49.60*	
26 25 13 00-0017	LF	600 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	747.75	50.43
		For Up To 25, Add	*186.94*	
		For >25 To 50, Add	*112.16*	
		For >50 To 100, Add	*56.08*	
26 25 13 00-0018	LF	800 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	948.68	50.43
		For Up To 25, Add	*237.17*	
		For >25 To 50, Add	*142.30*	
		For >50 To 100, Add	*71.15*	
26 25 13 00-0019	LF	1,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	1,155.63	63.03
		For Up To 25, Add	*288.91*	
		For >25 To 50, Add	*173.34*	
		For >50 To 100, Add	*86.67*	
26 25 13 00-0020	LF	1,350 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	1,493.80	63.03
		For Up To 25, Add	*373.45*	
		For >25 To 50, Add	*224.07*	
		For >50 To 100, Add	*112.04*	
26 25 13 00-0021	LF	1,600 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	1,928.74	65.30
		For Up To 25, Add	*482.19*	
		For >25 To 50, Add	*289.31*	
		For >50 To 100, Add	*144.66*	
26 25 13 00-0022	LF	2,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	2,320.01	68.07
		For Up To 25, Add	*580.00*	
		For >25 To 50, Add	*348.00*	
		For >50 To 100, Add	*174.00*	
26 25 13 00-0023	LF	2,500 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	2,873.81	71.23
		For Up To 25, Add	*718.45*	
		For >25 To 50, Add	*431.07*	
		For >50 To 100, Add	*215.54*	
26 25 13 00-0024	LF	3,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	3,317.65	83.84
		For Up To 25, Add	*829.41*	
		For >25 To 50, Add	*497.65*	
		For >50 To 100, Add	*248.82*	
26 25 13 00-0025	LF	4,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	3,844.20	91.39
		For Up To 25, Add	*961.05*	
		For >25 To 50, Add	*576.63*	
		For >50 To 100, Add	*288.32*	

26 25 13 00-0026 Cable Tap Boxes *(26 25 13 00-0001)*

26 25 13 00-0027 600 Volt, 3-Phase, 3-Wire, Copper Conductors *(26 25 13 00-0026)*

26 25 13 00-0028	EA	225 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,309.72	176.50
26 25 13 00-0029	EA	400 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,392.07	176.50
26 25 13 00-0030	EA	600 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,589.09	239.53
26 25 13 00-0031	EA	800 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,758.68	239.53
26 25 13 00-0032	EA	1,000 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,961.04	315.17

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 13 00-0033	EA	1,350 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	3,245.06	315.17
26 25 13 00-0034		**277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors** *(26 25 13 00-0026)*		
26 25 13 00-0035	EA	225 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,392.07	346.69
26 25 13 00-0036	EA	400 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,603.55	346.69
26 25 13 00-0037	EA	600 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,786.33	472.75
26 25 13 00-0038	EA	800 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	3,131.63	472.75
26 25 13 00-0039	EA	1,000 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	3,298.29	630.34
26 25 13 00-0040	EA	1,350 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	3,750.58	630.34
26 25 13 00-0041		**Bus Duct Plug-In Circuit Breaker** *(26 25 13 00-0001)*		
26 25 13 00-0042		**240 Volt, 3-Phase** *(26 25 13 00-0041)*		
26 25 13 00-0043	EA	60 Amperes, 240 Volt, 3 Phase, Bus Duct Plug-In Circuit Breaker	1,048.79	126.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.96*	
26 25 13 00-0044	EA	100 Amperes, 240 Volt, 3 Phase, Bus Duct Plug-In Circuit Breaker	2,070.36	126.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*88.53*	
26 25 13 00-0045		**600 Volt, 3-Phase** *(26 25 13 00-0041)*		
26 25 13 00-0046	EA	60 Amperes, 600 Volt, 3 Phase, Bus Duct Plug-in Circuit Breaker	2,005.14	126.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.96*	
26 25 13 00-0047	EA	100 Amperes, 600 Volt, 3 Phase, Bus Duct Plug-in Circuit Breaker	2,596.87	126.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*88.53*	
26 25 13 00-0048		**120/208 Volt, 3-Phase, 4-Wire** *(26 25 13 00-0041)*		
26 25 13 00-0049	EA	60 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Bus Duct Plug-in Circuit Breaker	1,207.54	151.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.79*	
26 25 13 00-0050	EA	100 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Bus Duct Plug-in Circuit Breaker	1,444.02	151.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*98.49*	
26 25 13 00-0051		**277/480 Volt, 3-Phase, 4-Wire** *(26 25 13 00-0041)*		
26 25 13 00-0052	EA	60 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	1,378.37	151.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.79*	
26 25 13 00-0053	EA	100 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	2,112.96	151.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*98.49*	
26 25 13 00-0054	EA	225 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	3,114.27	523.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*226.74*	
26 25 13 00-0055	EA	400 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	7,416.72	523.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*492.45*	
26 25 13 00-0056	EA	600 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	8,331.18	1,512.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*685.15*	
26 25 13 00-0057	EA	800 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	10,541.53	1,512.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,212.19*	
26 25 13 00-0058		**Bus Duct Plug-In Fusible Switch** *(26 25 13 00-0001)*		
26 25 13 00-0059		**240 Volt, 3-Pole, 3-Fuse** *(26 25 13 00-0058)*		
26 25 13 00-0060	EA	30 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,046.44	126.07
26 25 13 00-0061	EA	60 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,151.23	126.07
26 25 13 00-0062	EA	100 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,588.15	151.28
26 25 13 00-0063	EA	200 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	2,682.44	302.56
26 25 13 00-0064	EA	400 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	6,759.76	680.77
26 25 13 00-0065	EA	600 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	10,137.98	1,185.04
26 25 13 00-0066		**600 Volt, 3-Pole, 3-Fuse** *(26 25 13 00-0058)*		
26 25 13 00-0067	EA	30 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,085.61	138.67
26 25 13 00-0068	EA	60 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,187.84	138.67
26 25 13 00-0069	EA	100 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,599.45	138.67
26 25 13 00-0070	EA	200 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	2,745.26	289.96
26 25 13 00-0071	EA	400 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	6,726.09	655.55
26 25 13 00-0072	EA	600 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	10,376.74	1,260.68
26 25 13 00-0073	EA	800 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	16,956.94	1,638.87
26 25 13 00-0074		**120/208 Volt, 4-pole, 3 Fuse** *(26 25 13 00-0058)*		
26 25 13 00-0075	EA	30 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,210.29	163.89
26 25 13 00-0076	EA	60 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,302.34	163.89
26 25 13 00-0077	EA	100 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,760.52	163.89
26 25 13 00-0078	EA	200 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	2,983.71	340.38
26 25 13 00-0079	EA	400 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	7,423.64	756.41
26 25 13 00-0080	EA	600 AAmperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	10,811.69	1,159.82
26 25 13 00-0081		**277/480 Volt, 4-pole, 3-Fuse** *(26 25 13 00-0058)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 13 00-0082	EA	30 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,249.58	163.89
26 25 13 00-0083	EA	60 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,341.62	139.06
26 25 13 00-0084	EA	100 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,876.57	189.10
26 25 13 00-0085	EA	200 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	3,107.98	340.38
26 25 13 00-0086	EA	400 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	7,423.64	756.41
26 25 13 00-0087	EA	600 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	10,811.69	1,159.82
26 25 13 00-0088	EA	800 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	17,069.69	1,538.02

26 25 16 Low-Voltage Cablebus Systems *(26 25)*

26 25 16 00-0001 Feeder Bus Duct *(26 25 16)*

Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.

26 25 16 00-0002 600 Volt, 3 Phase, 3 Wire, Ventilated Low Impedance *(26 25 16 00-0001)*

Note: Copper conductors.

26 25 16 00-0003	LF	800 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	831.66	52.95
		For Up To 25, Add	*207.92*	
		For >25 To 50, Add	*124.75*	
		For >50 To 100, Add	*62.37*	
26 25 16 00-0004	LF	1,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	843.52	52.95
		For Up To 25, Add	*210.88*	
		For >25 To 50, Add	*126.53*	
		For >50 To 100, Add	*63.26*	
26 25 16 00-0005	LF	1,350 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	1,102.18	52.95
		For Up To 25, Add	*275.55*	
		For >25 To 50, Add	*165.33*	
		For >50 To 100, Add	*82.66*	
26 25 16 00-0006	LF	1,600 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	1,322.58	52.95
		For Up To 25, Add	*330.65*	
		For >25 To 50, Add	*198.39*	
		For >50 To 100, Add	*99.19*	
26 25 16 00-0007	LF	2,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	1,615.83	52.95
		For Up To 25, Add	*403.96*	
		For >25 To 50, Add	*242.37*	
		For >50 To 100, Add	*121.19*	
26 25 16 00-0008	LF	3,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	2,205.37	126.07
		For Up To 25, Add	*551.34*	
		For >25 To 50, Add	*330.81*	
		For >50 To 100, Add	*165.40*	
26 25 16 00-0009	LF	4,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	3,046.08	126.07
		For Up To 25, Add	*761.52*	
		For >25 To 50, Add	*456.91*	
		For >50 To 100, Add	*228.46*	
26 25 16 00-0010	LF	5,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	3,603.94	126.07
		For Up To 25, Add	*900.99*	
		For >25 To 50, Add	*540.59*	
		For >50 To 100, Add	*270.30*	
26 25 16 00-0011	LF	6,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	4,437.51	126.07
		For Up To 25, Add	*1,109.38*	
		For >25 To 50, Add	*665.63*	
		For >50 To 100, Add	*332.81*	

26 25 16 00-0012 277/480 Volt, 3 Phase, 4 Wire, Half Neutral, Ventilated *(26 25 16 00-0001)*

Note: Low impedance, copper conductors.

26 25 16 00-0013	LF	800 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	952.44	56.73
		For Up To 25, Add	*238.11*	
		For >25 To 50, Add	*142.87*	
		For >50 To 100, Add	*71.43*	
26 25 16 00-0014	LF	1,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	968.15	56.73
		For Up To 25, Add	*242.04*	
		For >25 To 50, Add	*145.22*	
		For >50 To 100, Add	*72.61*	
26 25 16 00-0015	LF	1,350 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	1,244.30	56.73
		For Up To 25, Add	*311.08*	
		For >25 To 50, Add	*186.65*	
		For >50 To 100, Add	*93.32*	
26 25 16 00-0016	LF	1,600 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	1,474.96	56.73
		For Up To 25, Add	*368.74*	
		For >25 To 50, Add	*221.24*	
		For >50 To 100, Add	*110.62*	
26 25 16 00-0017	LF	2,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	1,781.20	56.73
		For Up To 25, Add	*445.30*	
		For >25 To 50, Add	*267.18*	
		For >50 To 100, Add	*133.59*	
26 25 16 00-0018	LF	3,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	2,735.17	97.08
		For Up To 25, Add	*683.79*	
		For >25 To 50, Add	*410.28*	
		For >50 To 100, Add	*205.14*	
26 25 16 00-0019	LF	4,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	3,430.20	97.08
		For Up To 25, Add	*857.55*	
		For >25 To 50, Add	*514.53*	
		For >50 To 100, Add	*257.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 16 00-0020	LF	5,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	4,059.03	180.27
		For Up To 25, Add	*1,014.76*	
		For >25 To 50, Add	*608.85*	
		For >50 To 100, Add	*304.43*	
26 25 16 00-0021	LF	6,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	5,003.78	180.27
		For Up To 25, Add	*1,250.95*	
		For >25 To 50, Add	*750.57*	
		For >50 To 100, Add	*375.28*	

26 27 Low-Voltage Distribution Equipment *(26 20)*

26 27 13 Electricity Metering *(26 27)*

26 27 13 00-0001 Revenue Metering *(26 27 13)*

26 27 13 00-0002 Meter Socket Base *(26 27 13 00-0001)*

Note: NEMA 3R. See CSI section 26 27 13 00-0013 for meter.

26 27 13 00-0003	EA	100 Amperes, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass	289.15	81.94
26 27 13 00-0004	EA	100 Amperes, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass	306.67	81.94
26 27 13 00-0005	EA	150 Amperes, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass	341.77	91.39
26 27 13 00-0006	EA	150 Amperes, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass	353.02	91.39
26 27 13 00-0007	EA	200 Amperes, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass	394.40	100.85
26 27 13 00-0008	EA	200 Amperes, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass	399.38	100.85
26 27 13 00-0009	EA	200 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release	1,027.38	160.11
26 27 13 00-0010	EA	320 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release	1,313.49	179.02
26 27 13 00-0011	EA	400 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release	2,864.53	197.93
26 27 13 00-0012	EA	Combination Motor And Current Transformer Cabinet, 15 To 30 Amperes, 13 Terminal, Underground, With Test Switch And Transformer, Socket Base	2,915.59	630.34

26 27 13 00-0013 Meter Device *(26 27 13 00-0001)*

Note: Direct read, with 15 minute demand. See CSI section 26 27 13 00-0002 for socket base.

26 27 13 00-0014	EA	100 Amperes, 120 Volt, Or 240 Volt, 1 Phase, KWH Meter	287.49	25.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.51*	
26 27 13 00-0015	EA	150 Amperes, 120 Volt, Or 240 Volt, 1 Phase, KWH Meter	339.99	26.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.70*	
26 27 13 00-0016	EA	200 Amperes, 120 Volt, Or 240 Volt, 1 Phase, KWH Meter	416.08	26.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.89*	
26 27 13 00-0017	EA	200 Amperes, 120 Volt, Or 240 Volt, 3 Phase, KWH Meter	811.94	26.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.10*	
26 27 13 00-0018	EA	320 Amperes, 120 Volt, Or 240 Volt, 3 Phase, KWH Meter	1,137.37	28.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.05*	
26 27 13 00-0019	EA	400 Amperes, 120 Volt, Or 240 Volt, 3 Phase, KWH Meter	1,845.09	31.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.94*	

26 27 13 00-0020 Current Transformer Enclosure *(26 27 13 00-0001)*

26 27 13 00-0021	EA	18" x 24" x 9", NEMA 3R, Screwed Cover, Current Transformer Enclosure	597.33	163.89

26 27 13 00-0022 120/240 Volt Meter Center And Main Breaker, Indoor Housing *(26 27 13 00-0001)*

26 27 13 00-0023 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max., 2 Pole *(26 27 13 00-0022)*

26 27 13 00-0024	EA	3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	1,121.18	78.79
26 27 13 00-0025	EA	4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	1,475.79	94.55
26 27 13 00-0026	EA	5 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	1,828.50	110.30
26 27 13 00-0027	EA	6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	2,118.88	126.07
26 27 13 00-0028	EA	7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	2,758.78	141.82
26 27 13 00-0029	EA	8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	2,979.24	157.58
26 27 13 00-0030	EA	10 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	3,476.85	189.10

26 27 13 00-0031 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max., 2 Pole *(26 27 13 00-0022)*

26 27 13 00-0032	EA	3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	2,065.90	78.79
26 27 13 00-0033	EA	4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	2,720.92	94.55
26 27 13 00-0034	EA	6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	3,747.57	126.07
26 27 13 00-0035	EA	7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	4,156.94	141.82
26 27 13 00-0036	EA	8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	5,227.64	157.58

26 27 13 00-0037 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole *(26 27 13 00-0022)*

26 27 13 00-0038	EA	3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,717.02	110.30
26 27 13 00-0039	EA	4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,254.92	126.07
26 27 13 00-0040	EA	5 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,758.78	141.82
26 27 13 00-0041	EA	6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,243.76	157.58
26 27 13 00-0042	EA	7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,087.73	173.34
26 27 13 00-0043	EA	8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,289.29	189.10
26 27 13 00-0044	EA	10 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,315.91	220.62

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 13 00-0045		1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole *(26 27 13 00-0022)*		
26 27 13 00-0046	EA	3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,657.95	110.30
26 27 13 00-0047	EA	4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,483.03	126.07
26 27 13 00-0048	EA	6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,906.44	157.58
26 27 13 00-0049	EA	7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,259.16	173.34
26 27 13 00-0050	EA	8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	6,726.59	189.10
26 27 13 00-0051		120/208 Volt Meter Center And Main Breaker, Indoor Housing *(26 27 13 00-0001)*		
26 27 13 00-0052		800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max., 2 Pole *(26 27 13 00-0051)*		
26 27 13 00-0053	EA	3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	1,220.72	94.55
26 27 13 00-0054	EA	4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	1,596.10	110.30
26 27 13 00-0055	EA	5 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	1,969.62	126.07
26 27 13 00-0056	EA	6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	2,286.43	141.82
26 27 13 00-0057	EA	7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	2,809.19	157.58
26 27 13 00-0058	EA	8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	3,029.65	173.34
26 27 13 00-0059	EA	10 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	3,735.09	204.86
26 27 13 00-0060		1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole *(26 27 13 00-0051)*		
26 27 13 00-0061	EA	3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,172.99	94.55
26 27 13 00-0062	EA	4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,865.81	110.30
26 27 13 00-0063	EA	6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	4,138.05	141.82
26 27 13 00-0064	EA	7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	4,547.45	157.58
26 27 13 00-0065	EA	8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	5,504.81	173.34
26 27 13 00-0066		800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole *(26 27 13 00-0051)*		
26 27 13 00-0067	EA	3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,816.59	126.07
26 27 13 00-0068	EA	4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,362.03	141.82
26 27 13 00-0069	EA	5 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,922.59	157.58
26 27 13 00-0070	EA	6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,407.57	173.34
26 27 13 00-0071	EA	7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,289.34	189.10
26 27 13 00-0072	EA	8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,490.86	204.86
26 27 13 00-0073	EA	10 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,593.11	236.37
26 27 13 00-0074		1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole *(26 27 13 00-0051)*		
26 27 13 00-0075	EA	3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,783.97	126.07
26 27 13 00-0076	EA	4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,665.73	141.82
26 27 13 00-0077	EA	6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,259.19	173.34
26 27 13 00-0078	EA	7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,498.52	189.10
26 27 13 00-0079	EA	8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	6,984.88	204.86
26 27 13 00-0080		120/240 Volt Meter Center And Main Breaker, NEMA 3R Housing *(26 27 13 00-0001)*		
26 27 13 00-0081		800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole *(26 27 13 00-0080)*		
26 27 13 00-0082	EA	3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,121.18	78.79
26 27 13 00-0083	EA	4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,475.79	94.55
26 27 13 00-0084	EA	6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,118.88	126.07
26 27 13 00-0085	EA	7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,758.78	141.82
26 27 13 00-0086	EA	8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,413.81	157.58
26 27 13 00-0087		1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole *(26 27 13 00-0080)*		
26 27 13 00-0088	EA	3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,065.89	78.79
26 27 13 00-0089	EA	4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,720.91	94.55
26 27 13 00-0090	EA	6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,936.49	126.07
26 27 13 00-0091	EA	7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	4,345.89	141.82
26 27 13 00-0092	EA	8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	5,227.64	157.58
26 27 13 00-0093		800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole *(26 27 13 00-0080)*		
26 27 13 00-0094	EA	3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,717.02	110.30
26 27 13 00-0095	EA	4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,254.92	126.07
26 27 13 00-0096	EA	6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,243.76	157.58
26 27 13 00-0097	EA	7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,087.73	173.34
26 27 13 00-0098	EA	8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,289.29	189.10

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 13 00-0099		**1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole** *(26 27 13 00-0080)*		
26 27 13 00-0100	EA	3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,657.97	110.30
26 27 13 00-0101	EA	4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,483.03	126.07
26 27 13 00-0102	EA	6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,906.44	157.58
26 27 13 00-0103	EA	7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,259.16	173.34
26 27 13 00-0104	EA	8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	6,726.63	189.10
26 27 13 00-0105		**120/208 Volt Meter Center And Main Breaker, NEMA 3R Housing** *(26 27 13 00-0001)*		
26 27 13 00-0106		**800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole** *(26 27 13 00-0105)*		
26 27 13 00-0107	EA	3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,220.72	94.55
26 27 13 00-0108	EA	4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,596.10	110.30
26 27 13 00-0109	EA	6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,286.43	141.82
26 27 13 00-0110	EA	7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,998.13	157.58
26 27 13 00-0111	EA	8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,407.54	173.34
26 27 13 00-0112		**1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole** *(26 27 13 00-0105)*		
26 27 13 00-0113	EA	3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,172.98	94.55
26 27 13 00-0114	EA	4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,865.79	110.30
26 27 13 00-0115	EA	6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,949.11	141.82
26 27 13 00-0116	EA	7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	4,358.51	157.58
26 27 13 00-0117	EA	8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	5,504.78	173.34
26 27 13 00-0118		**800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole** *(26 27 13 00-0105)*		
26 27 13 00-0119	EA	3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,816.57	126.07
26 27 13 00-0120	EA	4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,362.00	141.82
26 27 13 00-0121	EA	6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,407.54	173.34
26 27 13 00-0122	EA	7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,289.29	189.10
26 27 13 00-0123	EA	8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,490.86	204.86
26 27 13 00-0124		**1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole** *(26 27 13 00-0105)*		
26 27 13 00-0125	EA	3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,783.95	126.07
26 27 13 00-0126	EA	4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,665.70	141.82
26 27 13 00-0127	EA	6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,259.16	173.34
26 27 13 00-0128	EA	7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,498.52	189.10
26 27 13 00-0129	EA	8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	6,984.88	204.86
26 27 13 00-0130		**Watt/Hour Meters** *(26 27 13)*		
26 27 13 00-0131	EA	Single Phase M-90 Meter, Socket, NEMA 3R Enclosure	1,286.73	75.64
26 27 13 00-0132	EA	Three Phase M-90 Meter/Main Breaker Combination With Socket, NEMA 3R Enclosure	3,631.35	151.28
26 27 13 00-0133	EA	Three Phase M-90 Meter In Line Secondary With Socket, NEMA 3R Enclosure	1,925.90	113.46
26 27 13 00-0134	EA	Three Phase M-90 Meter, Primary Side Transformer Mount With Socket Totally Enclosed, NEMA 3R Enclosure	2,357.41	113.46
26 27 13 00-0135	EA	Three Phase M-90 Meter, Primary Side Pole Mount With Socket, NEMA 3R Enclosure	1,989.29	113.46
26 27 13 00-0136	EA	C.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure	1,348.06	104.63
26 27 13 00-0137	EA	P.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure	2,304.16	189.10
26 27 13 00-0138		**Watt/Hour Meter Systems** *(26 27 13)* Note: Includes NEMA 3R enclosure with C.T. and NEMA 3R C.T. enclosure. systems with main breakers include an additional NEMA 3R enclosure.		
26 27 13 00-0139		**Watt/Hour Meter System Without Main Breaker** *(26 27 13 00-0138)*		
26 27 13 00-0140	EA	400 Amperes System; 200 Amperes M-90 Meter And Enclosure	5,893.31	756.53
26 27 13 00-0141	EA	600 To 800 Amperes System; 200 Amperes M-90 Meter And Enclosure	6,911.66	756.53
26 27 13 00-0142		**Watt/Hour Meter System With Main Breaker** *(26 27 13 00-0138)*		
26 27 13 00-0143	EA	400 Amperes System; 400 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure	10,364.40	756.53
26 27 13 00-0144	EA	600 Amperes System; 600 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure	12,584.97	756.53
26 27 13 00-0145	EA	800 Amperes System; 800 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure	13,526.70	756.53
26 27 16		**Electrical Cabinets and Enclosures** *(26 27)* Note: Can be used as enclosure or pull/junction boxes.		
26 27 16 00-0001		**NEMA 1 Enclosures, Lockable** *(26 27 16)*		
26 27 16 00-0002		**Hinged Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0003		**4" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0002)*		
26 27 16 00-0004	EA	6" x 4" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	80.34	25.21
26 27 16 00-0005	EA	6" x 6" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	90.15	27.74
26 27 16 00-0006	EA	8" x 6" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	100.04	30.25
26 27 16 00-0007	EA	8" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	116.80	35.30
26 27 16 00-0008	EA	10" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	127.27	37.82
26 27 16 00-0009	EA	10" x 10" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	138.52	40.35
26 27 16 00-0010	EA	12" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	138.12	40.35
26 27 16 00-0011	EA	12" x 10" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	149.65	42.86
26 27 16 00-0012	EA	12" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	161.77	45.39
26 27 16 00-0013	EA	16" x 12" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	209.65	60.51
26 27 16 00-0014	EA	16" x 16" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	254.34	73.12
26 27 16 00-0015	EA	18" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	241.54	70.60
26 27 16 00-0016		**6" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0002)*		
26 27 16 00-0017	EA	6" x 6" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	100.82	30.25
26 27 16 00-0018	EA	8" x 8" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	122.52	35.30
26 27 16 00-0019	EA	10" x 8" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	146.20	42.86
26 27 16 00-0020	EA	10" x 10" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	158.02	45.39
26 27 16 00-0021	EA	12" x 10" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	170.09	47.90
26 27 16 00-0022	EA	12" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	182.72	50.43
26 27 16 00-0023	EA	16" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	231.90	65.56
26 27 16 00-0024	EA	16" x 16" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	281.06	80.68
26 27 16 00-0025	EA	18" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	271.02	78.17
26 27 16 00-0026	EA	18" x 18" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	353.02	100.85
26 27 16 00-0027	EA	24" x 18" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	454.18	115.99
26 27 16 00-0028	EA	24" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	519.51	126.07
26 27 16 00-0029	EA	30" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	578.88	133.63
26 27 16 00-0030	EA	36" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	631.95	138.67
26 27 16 00-0031	EA	24-1/2" x 12-1/2" x 6-1/2", Hinged Cover, Galvanized Steel NEMA 1 Enclosure (Control Products MH3803L)	432.10	100.85
26 27 16 00-0032		**Screw Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0001)*		
26 27 16 00-0033		**3" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0032)*		
26 27 16 00-0034	EA	4" x 4" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure	55.19	17.65
26 27 16 00-0035	EA	6" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure	78.88	25.21
26 27 16 00-0036	EA	8" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure	88.00	27.74
26 27 16 00-0037		**4" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0032)*		
26 27 16 00-0038	EA	4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	61.70	20.17
26 27 16 00-0039	EA	6" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	76.48	25.21
26 27 16 00-0040	EA	6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	85.45	27.74
26 27 16 00-0041	EA	8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	94.56	30.25
26 27 16 00-0042	EA	8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	110.34	35.30
26 27 16 00-0043	EA	10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	119.88	37.82
26 27 16 00-0044	EA	10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	129.92	40.35
26 27 16 00-0045	EA	12" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	129.55	40.35
26 27 16 00-0046	EA	12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	140.03	42.86
26 27 16 00-0047	EA	12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	150.81	45.39
26 27 16 00-0048	EA	16" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	197.24	60.51
26 27 16 00-0049	EA	16" x 16" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	244.40	75.64
26 27 16 00-0050	EA	18" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	226.77	70.60
26 27 16 00-0051	EA	18" x 18" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	293.75	90.77
26 27 16 00-0052	EA	24" x 24" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	424.55	113.46
26 27 16 00-0053		**6" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0032)*		
26 27 16 00-0054	EA	6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	95.09	30.25
26 27 16 00-0055	EA	8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	104.91	32.78
26 27 16 00-0056	EA	8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	120.92	37.82
26 27 16 00-0057	EA	10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	137.29	42.86
26 27 16 00-0058	EA	10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	147.92	45.39
26 27 16 00-0059	EA	12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	158.66	47.90
26 27 16 00-0060	EA	12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	169.85	50.43
26 27 16 00-0061	EA	16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	217.45	65.56
26 27 16 00-0062	EA	16" x 16" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	267.17	80.68
26 27 16 00-0063	EA	18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	253.88	78.17
26 27 16 00-0064	EA	18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	330.12	100.85
26 27 16 00-0065	EA	24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	412.55	115.99
26 27 16 00-0066	EA	24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	472.99	126.07
26 27 16 00-0067	EA	30" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	510.74	133.63
26 27 16 00-0068	EA	36" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	558.85	138.67
26 27 16 00-0069		**8" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0032)*		
26 27 16 00-0070	EA	8" x 8" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	137.29	42.86
26 27 16 00-0071	EA	12" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	187.37	55.47

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0072	EA	16" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	238.20	70.60
26 27 16 00-0073	EA	16" x 16" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	295.63	88.25
26 27 16 00-0074	EA	18" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	282.51	85.72
26 27 16 00-0075	EA	18" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	349.98	105.90
26 27 16 00-0076	EA	24" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	390.22	121.03
26 27 16 00-0077	EA	24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	452.91	128.59
26 27 16 00-0078	EA	24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	521.58	138.67
26 27 16 00-0079	EA	30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	555.00	146.24
26 27 16 00-0080	EA	30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	583.14	151.28
26 27 16 00-0081	EA	36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	598.68	151.28
26 27 16 00-0082		**10" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0032)*		
26 27 16 00-0083	EA	18" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	320.66	95.81
26 27 16 00-0084	EA	18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	422.08	123.54
26 27 16 00-0085	EA	24" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	427.08	131.11
26 27 16 00-0086	EA	24" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	554.78	141.20
26 27 16 00-0087	EA	24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	638.63	156.32
26 27 16 00-0088	EA	30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	709.04	161.36
26 27 16 00-0089	EA	36" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	756.45	168.93
26 27 16 00-0090		**12" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0032)*		
26 27 16 00-0091	EA	18" x 18" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure	465.98	136.15
26 27 16 00-0092	EA	24" x 12" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure	463.90	143.72
26 27 16 00-0093	EA	24" x 18" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure	609.95	156.32
26 27 16 00-0094	EA	24" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure	697.08	171.45
26 27 16 00-0095	EA	30" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure	782.54	179.02
26 27 16 00-0096	EA	36" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure	825.43	186.58
26 27 16 00-0097		**NEMA 1 Enclosures For Up To 6 Boards, Lockable** *(26 27 16)*		
26 27 16 00-0098		**4.5" Depth, Hinged Cover, Powder Coated Steel, NEMA 1 Enclosures** *(26 27 16 00-0097)*		
26 27 16 00-0099	EA	24" High x 18" Wide x 4.5" Deep, 18 Gauge, Powder Coated Steel, NEMA 1 Enclosure (RS2 Technologies NCL-12)	1,257.84	110.94
26 27 16 00-0100		**NEMA 12 Enclosures, Lockable** *(26 27 16)*		
		Note: Dust-tight enclosures.		
26 27 16 00-0101		**Hinged Cover, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0100)*		
26 27 16 00-0102		**4" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0101)*		
26 27 16 00-0103	EA	4" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	115.87	20.17
26 27 16 00-0104	EA	6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	150.74	27.74
26 27 16 00-0105	EA	8" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	186.38	35.30
26 27 16 00-0106	EA	10" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	201.83	37.82
26 27 16 00-0107	EA	12" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	226.78	40.35
26 27 16 00-0108	EA	12" x 10" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	244.36	42.86
26 27 16 00-0109		**6" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0101)*		
26 27 16 00-0110	EA	6" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	167.41	30.25
26 27 16 00-0111	EA	8" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	184.50	32.78
26 27 16 00-0112		**Screw Cover, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0100)*		
26 27 16 00-0113		**4" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0112)*		
26 27 16 00-0114	EA	4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	237.25	20.17
26 27 16 00-0115	EA	6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	284.02	27.74
26 27 16 00-0116	EA	8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	321.36	30.25
26 27 16 00-0117	EA	8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	367.56	35.30
26 27 16 00-0118	EA	10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	377.80	37.82
26 27 16 00-0119	EA	10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	446.88	40.35
26 27 16 00-0120	EA	12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	479.91	42.86
26 27 16 00-0121	EA	12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	546.64	45.39
26 27 16 00-0122		**6" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0112)*		
26 27 16 00-0123	EA	6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	346.36	30.25
26 27 16 00-0124	EA	8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	391.78	32.78
26 27 16 00-0125	EA	8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	426.72	37.82
26 27 16 00-0126	EA	10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	504.59	45.39
26 27 16 00-0127	EA	12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	547.80	50.43
26 27 16 00-0128	EA	16" x 14" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	761.43	65.56
26 27 16 00-0129	EA	18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,180.07	100.85
26 27 16 00-0130	EA	24" x 16" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,548.34	115.99
26 27 16 00-0131	EA	24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,746.44	126.07

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0132		**8" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0112)*		
26 27 16 00-0133	EA	24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,613.24	128.59
26 27 16 00-0134	EA	24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,860.71	138.67
26 27 16 00-0135	EA	30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	2,046.34	146.24
26 27 16 00-0136	EA	30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	2,257.78	151.28
26 27 16 00-0137	EA	36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	2,226.36	151.28
26 27 16 00-0138		**Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0100)*		
26 27 16 00-0139		**8" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0138)*		
26 27 16 00-0140	EA	60" x 48" x 8" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	7,167.03	204.86
26 27 16 00-0141		**10" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0138)*		
26 27 16 00-0142	EA	60" x 48" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	7,233.86	226.92
26 27 16 00-0143	EA	60" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	8,300.23	242.68
26 27 16 00-0144	EA	72" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	9,545.69	302.56
26 27 16 00-0145	EA	72" x 72" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	10,656.46	356.77
26 27 16 00-0146		**12" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0138)*		
26 27 16 00-0147	EA	60" x 48" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	7,701.19	356.77
26 27 16 00-0148	EA	60" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	8,587.50	378.20
26 27 16 00-0149	EA	72" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	9,757.13	403.42
26 27 16 00-0150	EA	72" x 72" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	10,772.45	403.42
26 27 16 00-0151		**NEMA 3 Enclosures, Lockable** *(26 27 16)* Note: Can be used underground or encased in concrete.		
26 27 16 00-0152		**2" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0151)*		
26 27 16 00-0153	EA	4" x 4" x 2" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	342.99	88.25
26 27 16 00-0154		**3" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0151)*		
26 27 16 00-0155	EA	4" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	369.34	88.25
26 27 16 00-0156	EA	5" x 5" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	475.38	91.39
26 27 16 00-0157	EA	6" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	493.31	91.39
26 27 16 00-0158	EA	6" x 6" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	623.02	94.55
26 27 16 00-0159		**4" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0151)*		
26 27 16 00-0160	EA	4" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	470.54	91.39
26 27 16 00-0161	EA	5" x 5" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	517.41	91.39
26 27 16 00-0162	EA	6" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	539.47	94.55
26 27 16 00-0163	EA	6" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	683.46	94.55
26 27 16 00-0164	EA	8" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	751.82	100.85
26 27 16 00-0165	EA	8" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	809.50	107.16
26 27 16 00-0166	EA	10" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	843.75	107.16
26 27 16 00-0167	EA	10" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,006.16	110.30
26 27 16 00-0168	EA	12" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,092.57	113.46
26 27 16 00-0169	EA	12" x 12" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,500.67	126.07
26 27 16 00-0170		**6" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0151)*		
26 27 16 00-0171	EA	6" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	722.20	97.70
26 27 16 00-0172	EA	8" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	912.25	110.30
26 27 16 00-0173	EA	8" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,071.51	113.46
26 27 16 00-0174	EA	10" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,237.24	116.61
26 27 16 00-0175	EA	10" x 10" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,318.02	116.61
26 27 16 00-0176	EA	12" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,500.24	126.07
26 27 16 00-0177	EA	12" x 12" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,736.03	141.82
26 27 16 00-0178	EA	16" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,635.52	135.52
26 27 16 00-0179	EA	18" x 12" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	3,181.75	252.14
26 27 16 00-0180	EA	18" x 18" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	5,533.31	315.17
26 27 16 00-0181		**8" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0151)*		
26 27 16 00-0182	EA	8" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,330.10	119.76
26 27 16 00-0183	EA	12" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	2,004.09	157.58
26 27 16 00-0184	EA	12" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	2,037.08	157.58
26 27 16 00-0185	EA	16" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	2,755.83	236.37
26 27 16 00-0186	EA	18" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	3,640.01	252.14

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0187	EA	24" x 24" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	9,271.43	441.24
26 27 16 00-0188		**10" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0151)*		
26 27 16 00-0189	EA	18" x 12" x 10" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	4,857.19	315.17
26 27 16 00-0190		**12" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0151)*		
26 27 16 00-0191	EA	18" x 18" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	7,488.89	378.20
26 27 16 00-0192	EA	24" x 12" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	6,152.59	346.69
26 27 16 00-0193		**NEMA 3R Enclosures, Lockable** *(26 27 16)* Note: Rain-tight enclosures.		
26 27 16 00-0194		**Hinged Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0193)*		
26 27 16 00-0195		**4" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0194)*		
26 27 16 00-0196	EA	6" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	108.38	25.21
26 27 16 00-0197	EA	6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	119.68	27.74
26 27 16 00-0198	EA	8" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	179.20	30.25
26 27 16 00-0199		**6" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0194)*		
26 27 16 00-0200	EA	8" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	225.63	37.82
26 27 16 00-0201	EA	10" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	252.02	42.86
26 27 16 00-0202	EA	12" x 10" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	296.15	47.90
26 27 16 00-0203	EA	12" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	320.43	50.43
26 27 16 00-0204	EA	16" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	417.20	65.56
26 27 16 00-0205	EA	16" x 16" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	498.46	80.68
26 27 16 00-0206	EA	18" x 18" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	567.69	100.85
26 27 16 00-0207		**8" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0194)*		
26 27 16 00-0208	EA	24" x 20" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	866.91	128.59
26 27 16 00-0209	EA	24" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	962.21	138.67
26 27 16 00-0210	EA	30" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,085.05	146.24
26 27 16 00-0211	EA	30" x 30" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,141.73	151.28
26 27 16 00-0212		**10" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0194)*		
26 27 16 00-0213	EA	12" x 48" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,075.54	156.32
26 27 16 00-0214	EA	12" x 54" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,214.99	176.50
26 27 16 00-0215	EA	12" x 60" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,345.05	195.41
26 27 16 00-0216	EA	12" x 66" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,481.98	215.58
26 27 16 00-0217	EA	12" x 72" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,613.32	234.49
26 27 16 00-0218	EA	18" x 18" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	696.01	123.54
26 27 16 00-0219	EA	24" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,075.54	156.32
26 27 16 00-0220	EA	30" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,278.05	161.36
26 27 16 00-0221	EA	36" x 36" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,623.22	176.50
26 27 16 00-0222		**12" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0194)*		
26 27 16 00-0223	EA	12" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,048.44	124.81
26 27 16 00-0224	EA	12" x 54" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,175.53	139.94
26 27 16 00-0225	EA	12" x 60" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,301.37	155.06
26 27 16 00-0226	EA	12" x 66" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,439.46	171.45
26 27 16 00-0227	EA	12" x 72" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,566.55	186.58
26 27 16 00-0228	EA	18" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	783.28	93.29
26 27 16 00-0229	EA	18" x 32" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,048.44	124.81
26 27 16 00-0230	EA	18" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,175.53	139.94
26 27 16 00-0231	EA	18" x 42" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,384.16	163.89
26 27 16 00-0232	EA	18" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,566.55	186.58
26 27 16 00-0233	EA	30" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,487.62	184.06
26 27 16 00-0234	EA	36" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,566.55	186.58
26 27 16 00-0235	EA	36" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,651.11	191.63
26 27 16 00-0236	EA	36" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,841.46	201.71
26 27 16 00-0237	EA	42" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,998.56	211.79
26 27 16 00-0238		**Screw Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0193)*		
26 27 16 00-0239		**4" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0238)*		
26 27 16 00-0240	EA	4" x 4" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	78.41	20.17
26 27 16 00-0241	EA	6" x 4" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	94.52	25.21
26 27 16 00-0242	EA	6" x 6" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	104.40	27.74
26 27 16 00-0243	EA	8" x 6" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	115.91	30.25
26 27 16 00-0244	EA	8" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	134.55	35.30
26 27 16 00-0245	EA	10" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	146.85	37.82
26 27 16 00-0246	EA	10" x 10" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	160.29	40.35

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0247	EA	12" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	159.52	40.35
26 27 16 00-0248	EA	12" x 10" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	174.75	42.86
26 27 16 00-0249	EA	12" x 12" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	188.19	45.39
26 27 16 00-0250	EA	18" x 12" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	283.70	70.60
26 27 16 00-0251	EA	18" x 18" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	379.46	90.77
26 27 16 00-0252		**6" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0238)*		
26 27 16 00-0253	EA	6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	108.27	30.25
26 27 16 00-0254	EA	8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	148.91	37.82
26 27 16 00-0255	EA	10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	168.69	42.86
26 27 16 00-0256	EA	10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	183.19	45.39
26 27 16 00-0257	EA	12" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	182.05	45.39
26 27 16 00-0258	EA	12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	197.47	47.90
26 27 16 00-0259	EA	12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	213.04	50.43
26 27 16 00-0260	EA	16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	278.12	65.56
26 27 16 00-0261	EA	18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	319.29	78.17
26 27 16 00-0262	EA	18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	427.19	100.85
26 27 16 00-0263	EA	24" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	444.91	108.42
26 27 16 00-0264	EA	24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	511.17	115.99
26 27 16 00-0265	EA	24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	577.32	126.07
26 27 16 00-0266		**8" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0238)*		
26 27 16 00-0267	EA	12" x 12" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	238.78	55.47
26 27 16 00-0268	EA	18" x 12" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	344.02	85.72
26 27 16 00-0269	EA	18" x 18" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	472.86	110.94
26 27 16 00-0270	EA	24" x 18" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	565.53	128.59
26 27 16 00-0271	EA	24" x 24" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	642.15	138.67
26 27 16 00-0272	EA	30" x 24" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	716.04	146.24
26 27 16 00-0273		**10" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0238)*		
26 27 16 00-0274	EA	18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	521.28	123.54
26 27 16 00-0275	EA	24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	704.84	156.32
26 27 16 00-0276	EA	30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	776.70	161.36
26 27 16 00-0277		**12" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0238)*		
26 27 16 00-0278	EA	24" x 24" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	779.07	171.45
26 27 16 00-0279	EA	30" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	1,102.70	186.58
26 27 16 00-0280	EA	36" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	1,140.06	191.63
26 27 16 00-0281	EA	36" x 36" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	1,340.89	201.71
26 27 16 00-0282		**Hinged Door, Stainless Steel NEMA 3R Enclosures** *(26 27 16 00-0193)*		
26 27 16 00-0283		**12" Depth, Hinged Door, Stainless Steel NEMA 3R Enclosures** *(26 27 16 00-0282)*		
26 27 16 00-0284	EA	18" x 36" x 12" Single Hinged Door, Stainless Steel NEMA 3R Enclosure	3,701.95	139.94
		For Pedestal Mounting, Add	*1,057.23*	
26 27 16 00-0285	EA	24" x 36" x 12" Single Hinged Door, Stainless Steel NEMA 3R Enclosure	4,271.34	186.58
		For Pedestal Mounting, Add	*1,250.88*	
26 27 16 00-0286	EA	36" x 36" x 12" Double Hinged Door, Stainless Steel NEMA 3R Enclosure	5,806.92	201.71
		For Pedestal Mounting, Add	*1,557.05*	
26 27 16 00-0287		**24" Depth, Hinged Door, Stainless Steel NEMA 3R Enclosures** *(26 27 16 00-0282)*		
26 27 16 00-0288	EA	18" x 36" x 24" Double Hinged Door, Stainless Steel NEMA 3R Enclosure	5,543.69	209.91
		For Pedestal Mounting, Add	*1,503.77*	
26 27 16 00-0289	EA	24" x 36" x 24" Double Hinged Door, Stainless Steel NEMA 3R Enclosure	6,641.68	279.86
		For Pedestal Mounting, Add	*1,628.48*	
26 27 16 00-0290		**NEMA 4 Enclosures, Lockable** *(26 27 16)*		
		Note: Water-tight enclosures.		
26 27 16 00-0291		**Hinge Cover, Painted Steel NEMA 4 Enclosures** *(26 27 16 00-0290)*		
26 27 16 00-0292	EA	4" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure	115.49	17.65
26 27 16 00-0293	EA	6" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure	134.93	21.44
26 27 16 00-0294	EA	8" x 6" x 3.5" Hinge Cover, Painted Steel NEMA 4 Enclosure	168.78	27.74
26 27 16 00-0295	EA	6" x 6" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure	160.67	27.74
26 27 16 00-0296	EA	10" x 8" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure	214.78	37.82
26 27 16 00-0297	EA	12" x 10" x 5" Hinge Cover, Painted Steel NEMA 4 Enclosure	267.48	45.39
26 27 16 00-0298	EA	10" x 8" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	247.15	42.86
26 27 16 00-0299	EA	12" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	288.16	50.43
26 27 16 00-0300	EA	14" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	338.99	57.99
26 27 16 00-0301	EA	16" x 14" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	411.08	73.12
26 27 16 00-0302		**Clamp Cover, Painted Steel NEMA 4 Enclosures** *(26 27 16 00-0290)*		
26 27 16 00-0303	EA	4" x 4" x 3" Clamp Cover, Painted Steel NEMA 4 Enclosure	106.07	17.65

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0304	EA	6" x 6" x 4" Clamp Cover, Painted Steel NEMA 4 Enclosure	151.27	27.74
26 27 16 00-0305		**Screw Cover, Fiberglass NEMA 4 Or 4x Enclosures** *(26 27 16 00-0290)*		
26 27 16 00-0306	EA	6" x 6" x 4", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	133.32	24.20
26 27 16 00-0307	EA	8" x 6" x 4", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	141.67	26.23
26 27 16 00-0308	EA	10" x 8" x 6", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	174.01	34.29
26 27 16 00-0309	EA	12" x 10" x 6", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	203.36	37.82
26 27 16 00-0310	EA	14" x 12" x 8", Screw Cover, Fiberglass NEMA 4 Enclosure	262.89	47.90
26 27 16 00-0311	EA	16" x 14" x 8", Screw Cover, Fiberglass NEMA 4 Enclosure	307.34	56.73
26 27 16 00-0312	EA	18" x 16" x 10", Screw Cover, Fiberglass NEMA 4 Enclosure	433.41	90.77
26 27 16 00-0313		**NEMA 4X Enclosures, Lockable** *(26 27 16)*		
		Note: Water-tight enclosures.		
26 27 16 00-0314		**Clamp Cover, Aluminum NEMA 4X Enclosures** *(26 27 16 00-0313)*		
26 27 16 00-0315	EA	6" x 4" x 3" Clamp Cover, Aluminum NEMA 4X Enclosure	229.14	20.17
26 27 16 00-0316	EA	6" x 6" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure	270.35	27.74
26 27 16 00-0317	EA	10" x 8" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure	342.80	37.82
26 27 16 00-0318	EA	12" x 10" x 5" Clamp Cover, Aluminum NEMA 4X Enclosure	416.13	45.39
26 27 16 00-0319	EA	14" x 12" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure	513.14	57.99
26 27 16 00-0320	EA	16" x 14" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure	606.20	73.12
26 27 16 00-0321		**Clamp Cover, 304 Stainless Steel NEMA 4X Enclosures** *(26 27 16 00-0313)*		
26 27 16 00-0322	EA	4" x 4" x 3", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	360.46	17.65
		For 316 Stainless Steel, Add	*50.61*	
26 27 16 00-0323	EA	6" x 4" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	467.81	25.21
		For 316 Stainless Steel, Add	*64.76*	
26 27 16 00-0324	EA	6" x 6" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	530.49	27.74
		For 316 Stainless Steel, Add	*73.78*	
26 27 16 00-0325	EA	8" x 6" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	607.81	30.25
		For 316 Stainless Steel, Add	*85.15*	
26 27 16 00-0326	EA	10" x 8" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	746.20	37.82
		For 316 Stainless Steel, Add	*104.26*	
26 27 16 00-0327	EA	12" x 10" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	1,051.95	47.90
		For 316 Stainless Steel, Add	*149.15*	
26 27 16 00-0328	EA	14" x 12" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	1,312.20	57.99
		For 316 Stainless Steel, Add	*186.76*	
26 27 16 00-0329	EA	16" x 14" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	1,580.48	73.12
		For 316 Stainless Steel, Add	*223.63*	
26 27 16 00-0330		**Screw Cover, Polycarbonate NEMA 4X Enclosures** *(26 27 16 00-0313)*		
		Note: NEMA 3R, 4, 4X and 12 rated.		
26 27 16 00-0331	EA	6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	154.48	27.74
26 27 16 00-0332	EA	8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	174.23	30.25
26 27 16 00-0333	EA	8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	199.17	35.30
26 27 16 00-0334	EA	10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	216.67	37.82
26 27 16 00-0335	EA	12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	250.56	42.86
26 27 16 00-0336	EA	10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	234.87	42.86
26 27 16 00-0337	EA	12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	274.30	47.90
26 27 16 00-0338	EA	14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	344.39	57.99
26 27 16 00-0339	EA	16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	438.29	79.42
26 27 16 00-0340	EA	18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	560.65	114.34
26 27 16 00-0341	EA	6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	166.82	27.74
26 27 16 00-0342	EA	8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	188.80	30.25
26 27 16 00-0343	EA	8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	214.85	35.30
26 27 16 00-0344	EA	10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	235.71	37.82
26 27 16 00-0345	EA	12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	270.72	42.86
26 27 16 00-0346	EA	10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	253.93	42.86
26 27 16 00-0347	EA	12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	300.14	47.90
26 27 16 00-0348	EA	14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	357.84	57.99
26 27 16 00-0349	EA	16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	466.31	79.42
26 27 16 00-0350	EA	18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	590.89	114.34
26 27 16 00-0351		**Hinged Cover, Polycarbonate NEMA 4X Enclosures** *(26 27 16 00-0313)*		
		Note: NEMA 3R, 4, 4X and 12 rated.		
26 27 16 00-0352	EA	6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	189.22	27.74
26 27 16 00-0353	EA	8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	202.24	30.25
26 27 16 00-0354	EA	8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	229.41	35.30
26 27 16 00-0355	EA	10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	248.04	37.82
26 27 16 00-0356	EA	12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	294.26	42.86
26 27 16 00-0357	EA	10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	269.61	42.86
26 27 16 00-0358	EA	12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	332.62	47.90
26 27 16 00-0359	EA	14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	394.82	57.99
26 27 16 00-0360	EA	16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	482.00	79.42
26 27 16 00-0361	EA	18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	617.78	114.34
26 27 16 00-0362	EA	6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	198.18	27.74
26 27 16 00-0363	EA	8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	219.04	30.25

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0364	EA	8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	245.09	35.30
26 27 16 00-0365	EA	10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	264.84	37.82
26 27 16 00-0366	EA	12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	316.67	42.86
26 27 16 00-0367	EA	10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	288.65	42.86
26 27 16 00-0368	EA	12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	356.15	47.90
26 27 16 00-0369	EA	14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	406.02	57.99
26 27 16 00-0370	EA	16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	518.96	79.42
26 27 16 00-0371	EA	18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	657.00	114.34

26 27 16 00-0372 NEMA 7/9 Enclosures, Lockable *(26 27 16)*

Note: Nominal inside dimensions.

26 27 16 00-0373 4" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures *(26 27 16 00-0372)*

26 27 16 00-0374	EA	6" x 6" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	1,568.04	141.82
		For Mounting Pan, Add	*67.99*	
26 27 16 00-0375	EA	6" x 8" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	1,242.23	151.28
		For Mounting Pan, Add	*126.69*	
26 27 16 00-0376	EA	8" x 10" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,454.83	170.19
		For Mounting Pan, Add	*174.69*	

26 27 16 00-0377 6" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures *(26 27 16 00-0372)*

26 27 16 00-0378	EA	8" x 8" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,178.92	170.19
		For Mounting Pan, Add	*88.83*	
26 27 16 00-0379	EA	8" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,848.93	174.92
		For Mounting Pan, Add	*174.69*	
26 27 16 00-0380	EA	8" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,913.11	189.10
		For Mounting Pan, Add	*133.63*	
26 27 16 00-0381	EA	10" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,990.66	189.10
		For Mounting Pan, Add	*156.35*	
26 27 16 00-0382	EA	10" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	4,234.95	236.37
		For Mounting Pan, Add	*205.12*	
26 27 16 00-0383	EA	12" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,994.32	212.74
		For Mounting Pan, Add	*128.07*	
26 27 16 00-0384	EA	12" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	4,128.77	236.37
		For Mounting Pan, Add	*191.64*	
26 27 16 00-0385	EA	12" x 24" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	6,365.00	425.47
		For Mounting Pan, Add	*257.82*	
26 27 16 00-0386	EA	14" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	5,065.26	283.65
		For Mounting Pan, Add	*251.03*	
26 27 16 00-0387	EA	16" x 16" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	6,626.23	472.75
		For Mounting Pan, Add	*230.46*	
26 27 16 00-0388	EA	18" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	7,961.54	472.75
		For Mounting Pan, Add	*374.65*	

26 27 16 00-0389 8" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures *(26 27 16 00-0372)*

26 27 16 00-0390	EA	8" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,401.56	212.74
		For Mounting Pan, Add	*133.63*	
26 27 16 00-0391	EA	10" x 10" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,425.67	212.74
		For Mounting Pan, Add	*156.35*	
26 27 16 00-0392	EA	10" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,884.69	212.74
		For Mounting Pan, Add	*205.12*	
26 27 16 00-0393	EA	12" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	4,304.67	236.37
		For Mounting Pan, Add	*128.07*	
26 27 16 00-0394	EA	12" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	6,240.66	425.47
		For Mounting Pan, Add	*191.64*	
26 27 16 00-0395	EA	12" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	7,593.60	520.03
		For Mounting Pan, Add	*257.82*	
26 27 16 00-0396	EA	12" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	11,968.05	614.58
		For Mounting Pan, Add	*387.73*	
26 27 16 00-0397	EA	14" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	6,826.97	520.03
		For Mounting Pan, Add	*251.03*	
26 27 16 00-0398	EA	16" x 16" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	7,015.87	520.03
		For Mounting Pan, Add	*230.46*	
26 27 16 00-0399	EA	16" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	10,496.02	567.31
		For Mounting Pan, Add	*345.45*	
26 27 16 00-0400	EA	18" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	8,658.52	520.03
		For Mounting Pan, Add	*374.65*	
26 27 16 00-0401	EA	18" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	11,592.38	567.31
		For Mounting Pan, Add	*547.85*	
26 27 16 00-0402	EA	18" x 30" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	11,512.18	567.31
		For Mounting Pan, Add	*730.36*	
26 27 16 00-0403	EA	18" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	17,899.04	756.41
		For Mounting Pan, Add	*912.81*	
26 27 16 00-0404	EA	24" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	13,614.61	614.58
		For Mounting Pan, Add	*848.76*	
26 27 16 00-0405	EA	24" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	24,701.51	945.51
		For Mounting Pan, Add	*1,161.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0406		10" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures *(26 27 16 00-0372)*		
26 27 16 00-0407	EA	12" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	12,453.98	614.58
		For Mounting Pan, Add	*387.73*	
26 27 16 00-0408	EA	16" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	11,463.89	567.31
		For Mounting Pan, Add	*345.45*	
26 27 16 00-0409	EA	18" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	12,490.14	614.58
		For Mounting Pan, Add	*547.85*	
26 27 16 00-0410	EA	18" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	15,801.55	661.86
		For Mounting Pan, Add	*912.81*	
26 27 16 00-0411	EA	24" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	13,966.20	661.86
		For Mounting Pan, Add	*848.76*	
26 27 16 00-0412	EA	24" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	26,927.62	945.51
		For Mounting Pan, Add	*1,161.94*	
26 27 16 00-0413		12" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures *(26 27 16 00-0372)*		
26 27 16 00-0414	EA	12" x 24" x 12" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	7,766.91	520.03
		For Mounting Pan, Add	*257.82*	
26 27 16 00-0415		Breaker Enclosures *(26 27 16)*		
		See CSI section 26 24 16 00-0001 for lighting and power panel boards.		
26 27 16 00-0416		15 To 100 Amperes, F-Frame Breaker Enclosures *(26 27 16 00-0415)*		
26 27 16 00-0417	EA	NEMA 1, Painted Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure	415.23	100.85
26 27 16 00-0418	EA	NEMA 3R, Painted Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure	766.59	100.85
26 27 16 00-0419	EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure	1,894.01	138.67
26 27 16 00-0420	EA	NEMA 7, Cast Aluminum, 15 To 100 Amperes, F-Frame Breaker Enclosure	2,568.83	151.28
26 27 16 00-0421	EA	NEMA 9, Cast Aluminum, 15 To 100 Amperes, F-Frame Breaker Enclosure	1,871.77	151.28
26 27 16 00-0422	EA	NEMA 12, Painted Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure	655.83	138.67
26 27 16 00-0423		15 To 250 Amperes, H Or J-Frame Breaker Enclosures *(26 27 16 00-0415)*		
26 27 16 00-0424	EA	NEMA 1, Painted Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure	663.71	138.67
26 27 16 00-0425	EA	NEMA 3R, Painted Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure	1,226.35	138.67
26 27 16 00-0426	EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure	4,199.77	176.50
26 27 16 00-0427	EA	NEMA 12, Painted Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure	1,010.48	176.50
26 27 16 00-0428		125 To 400 Amperes, L-Frame Breaker Enclosures *(26 27 16 00-0415)*		
26 27 16 00-0429	EA	NEMA 1, Painted Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure	1,037.08	277.35
26 27 16 00-0430	EA	NEMA 3R, Painted Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure	2,424.52	277.35
26 27 16 00-0431	EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure	7,115.09	352.99
26 27 16 00-0432	EA	NEMA 12, Painted Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure	1,726.02	352.99
26 27 16 00-0433		300 To 800 Amperes, M-Frame Breaker Enclosures *(26 27 16 00-0415)*		
26 27 16 00-0434	EA	NEMA 1, Painted Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure	2,031.74	529.49
26 27 16 00-0435	EA	NEMA 3R, Painted Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure	3,498.16	529.49
26 27 16 00-0436	EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure	12,800.14	680.77
26 27 16 00-0437	EA	NEMA 12, Painted Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure	6,917.53	680.77
26 27 16 00-0438		250 To 1,200 Amperes, P-Frame Breaker Enclosures *(26 27 16 00-0415)*		
26 27 16 00-0439	EA	NEMA 1, Painted Steel, 250 To 1,200 Amperes, P-Frame Breaker Enclosure	2,482.51	529.49
26 27 16 00-0440	EA	NEMA 3R, Painted Steel, 250 To 1,200 Amperes, P-Frame Breaker Enclosure	4,211.03	529.49
26 27 16 00-0441	EA	NEMA 3R/5/12, Painted Steel, 250 To 1,200 Amperes, P-Frame Breaker Enclosure	8,702.54	680.77
26 27 16 00-0442		Legend Plates *(26 27 16)*		
26 27 16 00-0443	EA	3" Phenolic Plastic Cabinet Legend Plate Engraved With 1/2" Letters	21.19	6.30
26 27 16 00-0444	EA	3" Engraved Aluminum Cabinet Legend Plate Engraved With 1/2" Letters	30.03	6.30
26 27 19		**Multi-Outlet Assemblies** *(26 27)*		
26 27 19 00-0001		Surface Metal Raceway, Preassembled With Outlets *(26 27 19)*		
		Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal).		
26 27 19 00-0002	LF	Single Circuit, Plugmold #2000, 3' With Outlets 6" On Center	29.02	9.20
		For Concrete Or Masonry Surface, Add	*0.92*	
26 27 19 00-0003	LF	Single Circuit, Plugmold #2000, 6' With Outlets 6" On Center	22.37	6.55
		For Concrete Or Masonry Surface, Add	*0.66*	
26 27 19 00-0004	LF	Single Circuit, Plugmold #2000, 6' With Outlets 9" On Center	21.22	6.93
		For Concrete Or Masonry Surface, Add	*0.69*	
26 27 19 00-0005	LF	Single Circuit, Plugmold #2000, 6' With Outlets 12" On Center	23.16	6.55
		For Concrete Or Masonry Surface, Add	*0.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 19 00-0006	LF	Single Circuit, Plugmold #2000, 6' With Outlets 18" On Center	19.10	6.68
		For Concrete Or Masonry Surface, Add	*0.67*	
26 27 19 00-0007	LF	Two Circuits, Plugmold #2000, 6' With Outlets 9" On Center	25.75	6.55
		For Concrete Or Masonry Surface, Add	*0.66*	
26 27 19 00-0008	LF	Two Circuits, Plugmold #2000, 6' With Outlets 12" On Center	22.92	6.55
		For Concrete Or Masonry Surface, Add	*0.66*	
26 27 19 00-0009	LF	Two Circuits, Plugmold #2000, 6' With Outlets 18" On Center	24.63	6.55
		For Concrete Or Masonry Surface, Add	*0.66*	

26 27 23 Indoor Service Poles *(26 27)*

26 27 23 00-0001 Communication And Power Poles *(26 27 23)*

Note: Includes separate compartments for power and communication cable. Includes removable cover plates with knock-outs for modular jacks and openings to accept modular furniture adapters for communication devices. Includes all necessary mounting plates and assemblies. Excludes electrical and communications wire, power outlets and communication devices. Wiremold Tele-Power Pole series.

26 27 23 00-0002 Steel Communication And Power Poles *(26 27 23 00-0001)*

26 27 23 00-0003 2-1/4" Width, Steel Communication And Power Poles *(26 27 23 00-0002)*

26 27 23 00-0004 2-1/4" Width, Steel Communication And Power Poles *(26 27 23 00-0003)*

26 27 23 00-0005	EA	2-1/4" x 2-5/16", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole	333.08	55.87
26 27 23 00-0006	EA	2-1/4" x 2-5/16", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole	361.83	55.87
26 27 23 00-0007	EA	2-1/4" x 2-5/16", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole	395.09	55.87

26 27 23 00-0008 Additional Cover Plates For 2-1/4" Width, Steel Communication And Power Poles *(26 27 23 00-0003)*

Note: Excludes receptacles, communication jacks and wiring.

26 27 23 00-0009	EA	Add-On 2-1/4" Width Steel Cover Plate For Two Duplex Receptacles And One Single Receptacle	68.20	11.52
26 27 23 00-0010	EA	Add-On 2-1/4" Width Steel Cover Plate For Three Duplex Receptacles	59.12	11.52
26 27 23 00-0011	EA	Add-On 2-1/4" Width Steel Cover Plate For Two Duplex Receptacles And One GFCI Receptacle	66.94	11.52
26 27 23 00-0012	EA	Add-On 2-1/4" Width Steel Cover Plate For Data And A/V Modular Devices	49.60	11.52
26 27 23 00-0013	EA	Add-On 2-1/4" Width Steel Cover Plate Radius Control Entrance End Fitting	40.85	11.52

26 27 23 00-0014 2-3/4" Width, Steel Communication And Power Poles *(26 27 23 00-0002)*

26 27 23 00-0015 2-3/4" Width, Steel Communication And Power Poles *(26 27 23 00-0014)*

26 27 23 00-0016	EA	2-3/4" x 1-17/32", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole	431.69	55.87
26 27 23 00-0017	EA	2-3/4" x 1-17/32", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole	493.50	55.87
26 27 23 00-0018	EA	2-3/4" x 1-17/32", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole	526.85	55.87

26 27 23 00-0019 Additional Cover Plates For 2-3/4" Width, Steel Communication And Power Poles *(26 27 23 00-0014)*

Note: Excludes receptacles and communication jacks.

26 27 23 00-0020	EA	Add-On 2-3/4" Width Steel Cover Plate For One Single Receptacle	45.73	11.52
26 27 23 00-0021	EA	Add-On 2-3/4" Width Steel Cover Plate For One Duplex Receptacle	41.12	11.52
26 27 23 00-0022	EA	Add-On 2-3/4" Width Steel Cover Plate For Data And A/V Modular Devices	44.42	11.52

26 27 23 00-0023 3" Width, Steel Communication And Power Poles *(26 27 23 00-0002)*

26 27 23 00-0024 3" Width, Steel Communication And Power Poles *(26 27 23 00-0023)*

26 27 23 00-0025	EA	3" x 2-3/4", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole	562.66	55.87
26 27 23 00-0026	EA	3" x 2-3/4", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole	637.06	55.87
26 27 23 00-0027	EA	3" x 2-3/4", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole	686.09	55.87

26 27 23 00-0028 Additional Cover Plates For 3" Width, Steel Communication And Power Poles *(26 27 23 00-0023)*

Note: Excludes receptacles and communication jacks.

26 27 23 00-0029	EA	Add-On 3" Width Steel Steel Cover Plate For One Single Receptacle	45.73	11.52
26 27 23 00-0030	EA	Add-On 3" Width Steel Cover Plate For One Duplex Receptacle	41.12	11.52
26 27 23 00-0031	EA	Add-On 3" Width Steel Cover Plate For Data And A/V Modular Devices	44.42	11.52

26 27 23 00-0032 Aluminum Communication And Power Poles *(26 27 23 00-0001)*

26 27 23 00-0033 2-1/8" Width, Aluminum Communication And Power Poles *(26 27 23 00-0032)*

26 27 23 00-0034 2-1/8" Width, Aluminum Communication And Power Poles *(26 27 23 00-0033)*

26 27 23 00-0035	EA	2-1/8" x 2-3/8", 10'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	451.04	55.87
26 27 23 00-0036	EA	2-1/8" x 2-3/8", 12'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	503.06	55.87
26 27 23 00-0037	EA	2-1/8" x 2-3/8", 15'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	561.36	55.87

26 27 23 00-0038 Additional Cover Plates For 2-1/8" Width, Aluminum Communication And Power Poles *(26 27 23 00-0033)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 23 00-0039	EA	Add-On 2-1/8" Width Aluminum Cover Plate For Two Duplex Receptacles And One Single Receptacle	69.97	11.52
26 27 23 00-0040	EA	Add-On 2-1/8" Width Aluminum Cover Plate For Three Duplex Receptacles	71.44	11.52
26 27 23 00-0041	EA	Add-On 2-1/8" Width Aluminum Cover Plate For Two Duplex Receptacles And One GFCI Receptacle	76.33	11.52
26 27 23 00-0042	EA	Add-On 2-1/8" Width Aluminum Cover Plate For Data And A/V Modular Devices	52.34	11.52
26 27 23 00-0043	EA	Add-On 2-1/8" Width Aluminum Radius Control Entrance End Fitting	40.85	11.52
26 27 23 00-0044		2-1/4" Width, Aluminum Communication And Power Poles *(26 27 23 00-0032)*		
26 27 23 00-0045	EA	2-1/4" x 2-5/16", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	434.80	55.87
26 27 23 00-0046	EA	2-1/4" x 2-5/16", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	488.15	55.87
26 27 23 00-0047	EA	2-1/4" x 2-5/16", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	550.99	55.87
26 27 23 00-0048		5" Width, Aluminum Communication And Power Poles *(26 27 23 00-0032)*		
26 27 23 00-0049	EA	5" x 4-3/4", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	909.96	55.87
26 27 23 00-0050	EA	5" x 4-3/4", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	1,040.79	55.87
26 27 23 00-0051	EA	5" x 4-3/4", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	1,187.32	55.87
26 27 23 00-0052		2" Diameter, Round Aluminum Communication And Power Pole *(26 27 23 00-0032)*		
26 27 23 00-0053	EA	2" Diameter, 10'-4" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	494.42	55.87
26 27 23 00-0054	EA	2" Diameter, 10'-4" Height, Painted White Finish, Aluminum Communication And Power Pole	468.06	55.87
26 27 23 00-0055	EA	2" Diameter, 10'-4" Height, Polished Anodized Finish, Aluminum Communication And Power Pole	599.64	55.87
26 27 26		**Wiring Devices** *(26 27)* Note: Includes device, installation, wire connections, support clips (where necessary) and testing. Assemblies include outlet device, cover plate, mounting and appropriate box.		
26 27 26 00-0001		Receptacles *(26 27 26)*		
26 27 26 00-0002		General Use Receptacles *(26 27 26 00-0001)*		
26 27 26 00-0003		Receptacle Assemblies *(26 27 26 00-0002)* Note: Includes 4" square steel box, bracket, mud ring, receptacle and cover plate.		
26 27 26 00-0004	EA	15 Amperes, 1 Gang, NEMA 5-15, Duplex Receptacle Assembly	99.50	44.76
26 27 26 00-0005	EA	20 Amperes, 1 Gang, NEMA 5-20, Duplex Receptacle Assembly	106.76	47.90
26 27 26 00-0006	EA	15 Amperes, 2 Gang, NEMA 5-15, Duplex Receptacle Assembly	128.59	57.36
26 27 26 00-0007	EA	20 Amperes, 2 Gang, NEMA 5-20, Duplex Receptacle Assembly	143.11	63.67
26 27 26 00-0008	EA	15 Amperes, 1 Gang, GFI, Duplex Receptacle Assembly	112.45	44.76
26 27 26 00-0009	EA	20 Amperes, 1 Gang, GFI, Duplex Receptacle Assembly	120.40	47.90
26 27 26 00-0010		Receptacle Components *(26 27 26 00-0002)*		
26 27 26 00-0011	EA	15 Amperes, 125 Volt, 1 Phase, NEMA 5-15, Single Receptacle	28.74	12.61
26 27 26 00-0012	EA	15 Amperes, 125 Volt, 1 Phase, NEMA 5-15, Duplex Receptacle	27.99	12.61
26 27 26 00-0013	EA	15 Amperes, 120/277 Volt, 3 Wire, Single Receptacle	32.44	12.61
26 27 26 00-0014	EA	15 Amperes, 120/277 Volt, 3 Wire, Duplex Receptacle	35.02	12.61
26 27 26 00-0015	EA	15 Amperes, 250 Volt, 1 Phase, NEMA 6-15, Single Receptacle	44.61	15.75
26 27 26 00-0016	EA	15 Amperes, 250 Volt, 1 Phase, NEMA 6-15, Duplex Receptacle	53.07	15.75
26 27 26 00-0017	EA	20 Amperes, 125 Volt, 1 Phase, NEMA 5-20, Single Receptacle	29.74	12.61
26 27 26 00-0018	EA	20 Amperes, 125 Volt, 1 Phase, NEMA 5-20, Duplex Receptacle	28.94	12.61
26 27 26 00-0019	EA	20 Amperes, 120/277 Volt, Single Receptacle	40.56	12.61
26 27 26 00-0020	EA	20 Amperes, 120/277 Volt, Duplex Receptacle	34.21	12.61
26 27 26 00-0021	EA	20 Amperes, 250 Volt, 1 Phase, NEMA 6-20, Single Receptacle	44.61	15.75
26 27 26 00-0022	EA	20 Amperes, 250 Volt, 1 Phase, NEMA 6-20, Duplex Receptacle	53.07	15.75
26 27 26 00-0023	EA	20 Amperes, 125/250 Volt, 1 Phase, NEMA 14-20, Single Receptacle	80.21	15.75
26 27 26 00-0024	EA	20 Amperes, 250 Volt, 3 Phase, NEMA 15-20, Single Receptacle	80.21	15.75
26 27 26 00-0025	EA	25 Amperes, 120/277 Volt, Duplex Receptacle	69.09	18.91
26 27 26 00-0026		Specialty Receptacles *(26 27 26 00-0001)*		
26 27 26 00-0027		Specialty Receptacles *(26 27 26 00-0026)*		
26 27 26 00-0028	EA	30 Amperes, 125 Volt, 1 Phase, NEMA 5-30, Single Receptacle	63.32	22.06
26 27 26 00-0029	EA	30 Amperes, 250 Volt, 1 Phase, NEMA 6-30, Single Receptacle	63.32	22.06
26 27 26 00-0030	EA	30 Amperes, 125/250 Volt, NEMA 10-30, Single Receptacles	87.21	22.06
26 27 26 00-0031	EA	30 Amperes, 125/250 Volt, 1 Phase, NEMA 14-30, Single Receptacle	92.81	22.06
26 27 26 00-0032	EA	30 Amperes, 250 Volt, 3 Phase, NEMA 15-30, Single Receptacle	99.12	25.21
26 27 26 00-0033	EA	50 Amperes, 125 Volt, 1 Phase, NEMA 5-50, Single Receptacle	92.08	25.21
26 27 26 00-0034	EA	50 Amperes, 250 Volt, 1 Phase, NEMA 6-50, Single Receptacle	90.10	25.21
26 27 26 00-0035	EA	50 Amperes, 277 Volt, NEMA 7-50, Single Receptacle	79.88	25.21
26 27 26 00-0036	EA	50 Amperes, 125/250 Volt, NEMA 10-50, Single Receptacle	105.60	25.21
26 27 26 00-0037	EA	50 Amperes, 125/250 Volt, 1 Phase, NEMA 14-50, Single Receptacle	109.94	25.21
26 27 26 00-0038	EA	50 Amperes, 250 Volt, 3 Phase, NEMA 15-50, Single Receptacle	116.24	28.36
26 27 26 00-0039	EA	60 Amperes, 125/250 Volt, 1 Phase, NEMA 14-60, Single Receptacle	127.94	31.52
26 27 26 00-0040	EA	60 Amperes, 250 Volt, 3 Phase, NEMA 15-60, Single Receptacle	140.55	37.82
26 27 26 00-0041	EA	100 Amperes, 480 Volt, 3 Phase, Joy Receptacle With Box, Complete	1,314.94	296.26
26 27 26 00-0042	EA	400 Amperes, 4 Pole Weatherproof Generator Receptacle With Box, Complete	3,117.95	362.44
26 27 26 00-0043	EA	30 Amperes, 230 Volt, Dryer Receptacle	75.26	25.21
26 27 26 00-0044	EA	60 Amperes, 230 Volt, Range Receptacle	110.42	37.82
26 27 26 00-0045	EA	15 Or 20 Amperes, 120/277 Volt, Clock Hanger Receptacle	68.49	15.75

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0046	EA	Cable Reel With 20 Amperes, 120 Volt Receptacle, Complete	1,400.07	383.90
26 27 26 00-0047		**Isolated Ground Receptacles** *(26 27 26 00-0026)*		
26 27 26 00-0048	EA	15 Amperes, 125 Volt, NEMA 5-15R Isolated Ground Receptacle, Simplex Note: 2 Pole, 3 wire.	97.28	12.61
26 27 26 00-0049	EA	20 Amperes, 120 Volt Isolated Ground Receptacles, Simplex	58.86	15.75
26 27 26 00-0050	EA	20 Amperes, 120 Volt Isolated Ground Receptacles, Duplex	58.66	15.75
26 27 26 00-0051	EA	30 Amperes, 120 Volt Isolated Ground Receptacles, Simplex	82.45	25.21
26 27 26 00-0052	EA	Locking 15 Amperes, 250 Volt Isolated Ground Receptacles	65.37	15.75
26 27 26 00-0053	EA	Locking 15 Amperes, 277 Volt Isolated Ground Receptacles	60.30	15.75
26 27 26 00-0054	EA	Locking 20 Amperes, 120/208 Volt Isolated Ground Receptacles	82.45	18.91
26 27 26 00-0055	EA	Locking 20 Amperes, 277/480 Volt Isolated Ground Receptacles	66.67	18.91
26 27 26 00-0056	EA	Locking 20 Amperes, 347/600 Volt Isolated Ground Receptacles	84.32	18.91
26 27 26 00-0057	EA	Locking 30 Amperes, 120/208 Volt Isolated Ground Receptacles	101.53	18.91
26 27 26 00-0058	EA	Locking 30 Amperes, 277 Volt Isolated Ground Receptacles	102.00	25.21
26 27 26 00-0059		**Explosion Proof Receptacle Assembly** *(26 27 26 00-0026)*		
26 27 26 00-0060	EA	1/2", 20 Amperes, 2 Watt, 3 Pole, Type CPS Explosion Proof Receptacle Assembly	986.03	31.52
26 27 26 00-0061	EA	3/4", 20 Amperes, 2 Watt, 3 Pole, Type CPS Explosion Proof Receptacle Assembly	907.90	34.66
26 27 26 00-0062	EA	3/4", 30 Amperes, 2 Watt, 3 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	1,508.87	63.03
26 27 26 00-0063	EA	3/4", 30 Amperes, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	1,902.43	63.03
26 27 26 00-0064	EA	1-1/4", 60 Amperes, 2 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	2,405.69	94.55
26 27 26 00-0065	EA	1-1/4", 60 Amperes, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	2,291.76	94.55
26 27 26 00-0066		**Ground Fault Circuit Interrupter (GFCI)** *(26 27 26 00-0026)*		
26 27 26 00-0067	EA	15 Amperes, Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle	37.79	15.75
26 27 26 00-0068	EA	20 Amperes, Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle	55.19	18.91
26 27 26 00-0069		**Arc Fault Circuit Interrupter (AFCI)** *(26 27 26 00-0026)*		
26 27 26 00-0070	EA	15 Amperes, 125 Volt Duplex Arc Fault Circuit Interrupter (AFCI), Tamper Resistant Receptacle	66.04	15.75
26 27 26 00-0071	EA	20 Amperes, 125 Volt Duplex Arc Fault Circuit Interrupter (AFCI), Tamper Resistant Receptacle	72.31	15.75
26 27 26 00-0072		**Locking Receptacle** *(26 27 26 00-0026)*		
26 27 26 00-0073	EA	NEMA L5-15, 125 Volt, 2 Pole, 15 Amperes, Locking Receptacle	58.58	15.75
26 27 26 00-0074	EA	NEMA L6-15, 250 Volt, 2 Pole, 15 Amperes, Locking Receptacle	72.62	15.75
26 27 26 00-0075	EA	NEMA L5-20, 125 Volt, 2 Pole, 20 Amperes, Locking Receptacle	64.72	18.91
26 27 26 00-0076	EA	NEMA L6-20, 250 Volt, 2 Pole, 20 Amperes, Locking Receptacle	64.10	18.91
26 27 26 00-0077	EA	NEMA L8-20, 480 Volt, 2 Pole, 20 Amperes, Locking Receptacle	76.45	18.91
26 27 26 00-0078	EA	NEMA L9-20, 600 Volt, 2 Pole, 20 Amperes, Locking Receptacle	92.42	18.91
26 27 26 00-0079	EA	NEMA L10-20, 125/250 Volt, 3 Pole, 20 Amperes, Locking Receptacle	90.65	18.91
26 27 26 00-0080	EA	NEMA L14-20, 125/250 Volt, 3 Pole, 20 Amperes, Locking Receptacle	78.98	18.91
26 27 26 00-0081	EA	NEMA L5-30, 125 Volt, 2 Pole, 30 Amperes, Locking Receptacle	89.48	25.21
26 27 26 00-0082	EA	NEMA L6-30, 250 Volt, 2 Pole, 30 Amperes, Locking, Receptacle	90.97	25.21
26 27 26 00-0083	EA	NEMA L15-30, 250 Volt, 3 Pole, 30 Amperes, Locking Receptacle	108.97	25.21
26 27 26 00-0084		**Weathertight Pin And Sleeve Receptacle** *(26 27 26 00-0026)*		
26 27 26 00-0085	EA	20 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R4W)	290.44	63.03
26 27 26 00-0086	EA	20 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R6W)	289.76	63.03
26 27 26 00-0087	EA	20 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R7W)	302.58	63.03
26 27 26 00-0088	EA	20 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R12W)	369.55	69.34
26 27 26 00-0089	EA	20 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R9W)	370.62	69.34
26 27 26 00-0090	EA	20 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R7W)	368.15	69.34
26 27 26 00-0091	EA	30 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R4W)	441.55	77.53
26 27 26 00-0092	EA	30 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R6W)	420.70	77.53
26 27 26 00-0093	EA	30 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R7W)	453.34	77.53
26 27 26 00-0094	EA	30 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R12W)	457.55	85.09
26 27 26 00-0095	EA	30 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R9W)	457.15	85.09
26 27 26 00-0096	EA	30 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R7W)	460.10	85.09
26 27 26 00-0097	EA	60 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R4W)	644.69	100.85
26 27 26 00-0098	EA	60 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R6W)	619.44	100.85
26 27 26 00-0099	EA	60 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R7W)	635.88	100.85
26 27 26 00-0100	EA	60 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R12W)	708.13	112.20
26 27 26 00-0101	EA	60 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R9W)	708.62	112.20
26 27 26 00-0102	EA	60 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R7W)	709.10	112.20
26 27 26 00-0103	EA	100 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 3100R6W)	788.12	126.07
26 27 26 00-0104	EA	100 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 3100R7W)	820.49	126.07
26 27 26 00-0105	EA	100 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R12W)	882.56	138.67
26 27 26 00-0106	EA	100 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R9W)	880.13	138.67
26 27 26 00-0107	EA	100 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R7W)	884.70	138.67
26 27 26 00-0108		**Corrosion Resistant Receptacle** *(26 27 26 00-0026)*		
26 27 26 00-0109	EA	15/20 Amperes, 125 Volt Corrosion Resistant, Power Receptacles	70.36	12.61
26 27 26 00-0110	EA	15/20 Amperes, 250 Volt Corrosion Resistant, Power Receptacles	138.21	15.75

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0111		**Tamper Resistant Receptacle** *(26 27 26 00-0026)*		
26 27 26 00-0112	EA	15 Amperes, 125 Volt Duplex Tamper Resistant Receptacle Note: Pass & Seymour 3232-TR.	31.24	12.61
26 27 26 00-0113	EA	20 Amperes, 125 Volt Duplex Tamper Resistant Receptacle Note: Pass & Seymour TR20.	34.34	12.61
26 27 26 00-0114	EA	15 Amperes, 125 Volt Single Specification Grade Tamper Resistant Receptacle Note: Pass & Seymour TR5251.	43.25	12.61
26 27 26 00-0115	EA	20 Amperes, 125 Volt Single Specification Grade Tamper Resistant Receptacle Note: Pass & Seymour TR5351.	47.42	12.61
26 27 26 00-0116	EA	15 Amperes, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Tamper Resistant Receptacle Note: Pass & Seymour S1595-TR*CC8.	72.51	12.61
26 27 26 00-0117	EA	15 Amperes, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle Note: Pass & Seymour 1595-TRS.	78.50	12.61
26 27 26 00-0118	EA	20 Amperes, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle Note: Pass & Seymour 2095-TRS.	84.20	12.61
26 27 26 00-0119		**USB Charger/Duplex Tamper-Resistant Receptacles** *(26 27 26 00-0026)*		
26 27 26 00-0120	EA	15 Amperes, 125 Volt Duplex USB Charger/Duplex Tamper-Resistant Receptacle	74.70	12.61
26 27 26 00-0121	EA	20 Amperes, 125 Volt Duplex USB Charger/Duplex Tamper-Resistant Receptacle	80.88	12.61
26 27 26 00-0122		**Television Receptacle** *(26 27 26 00-0001)*		
26 27 26 00-0123	EA	TV Receptacle With Cover (Type F), Complete	77.47	29.25
26 27 26 00-0124		**Switches** *(26 27 26)*		
26 27 26 00-0125		**Switches** *(26 27 26 00-0124)*		
26 27 26 00-0126		**Switch Assemblies** *(26 27 26 00-0125)* Note: Includes 4" square steel box, bracket, mud ring, switch and cover plate.		
26 27 26 00-0127	EA	1 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly	102.41	44.12
26 27 26 00-0128	EA	1 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly	110.44	47.90
26 27 26 00-0129	EA	2 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly	137.55	57.67
26 27 26 00-0130	EA	2 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly	151.09	63.98
26 27 26 00-0131	EA	3 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly	234.85	98.96
26 27 26 00-0132	EA	3 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly	255.17	108.42
26 27 26 00-0133	EA	4 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly	270.15	111.89
26 27 26 00-0134	EA	4 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly	297.24	124.49
26 27 26 00-0135		**Switch Components** *(26 27 26 00-0125)*		
26 27 26 00-0136	EA	15 Amperes, 120/277 Volt, SPST Switch	32.15	12.61
26 27 26 00-0137	EA	15 Amperes, 120/277 Volt, 3-Way Switch	40.64	15.75
26 27 26 00-0138	EA	15 Amperes, 120/277 Volt, 4-Way Switch	76.90	25.21
26 27 26 00-0139	EA	15 Amperes, 120/277 Volt, DPST Switch	36.19	12.61
26 27 26 00-0140	EA	15 Amperes, 120/277 Volt, Thermal Switch	66.03	15.75
26 27 26 00-0141	EA	20 Amperes, 120/277 Volt, SPST Switch	38.93	15.75
26 27 26 00-0142	EA	20 Amperes, 120/277 Volt, 3-Way Switch	47.95	18.91
26 27 26 00-0143	EA	20 Amperes, 120/277 Volt, 4-Way Switch	100.92	25.21
26 27 26 00-0144	EA	20 Amperes, 120/277 Volt, DPST Switch	45.40	15.75
26 27 26 00-0145	EA	20 Amperes, 120/277 Volt, DPDT Switch	48.27	15.75
26 27 26 00-0146	EA	15 Amperes, 120/277 Volt, Single Pole, Toggle, Three Position, Center Off, Momentary Contact Switch	89.80	15.78
26 27 26 00-0147	EA	15 Amperes, 120/277 Volt, Key Operated, Single Pole, Three Position, Center Off, Momentary Contact Switch	113.42	15.78
26 27 26 00-0148	EA	Momentary Contact Switch With Separate Neon Pilot Note: Neon Pilot is 125 V, 1 / 125W.	86.20	18.94
26 27 26 00-0149	EA	20 Amperes, 125 Volt AC, Single Pole, Maintained Contact Switch With Center Off Note: Or 250 VAC 10 Amp, double throw BAT handle.	58.50	22.06
26 27 26 00-0150	EA	20 Amperes, 125 Volt AC, Double Pole, Maintained Contact Switch Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.	71.38	25.21
26 27 26 00-0151	EA	20 Amperes, 125 Volt AC, Three Pole, Maintained Contact Switch Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.	100.98	25.21
26 27 26 00-0152	EA	30 Amperes, 120/277 Volt, Single Pole, Local Switch	89.72	25.25
26 27 26 00-0153	EA	30 Amperes, 120/277 Volt, Double Pole, Local Switch	110.96	25.25
26 27 26 00-0154	EA	30 Amperes, 120/277 Volt, Three-Way Local Switch	115.73	31.57
26 27 26 00-0155	EA	30 Amperes, 120/277 Volt, Four-Way Local Switch	162.12	34.72
26 27 26 00-0156	EA	15 Amperes, 120/277 Volt, Local Switch With Neon Pilot	76.19	20.65
26 27 26 00-0157	EA	15 Amperes, 120/277 Volt, Local Switch With Separate Neon Pilot Note: Neon pilot is 125V, 1/25W. Requires 2 gang installation.	108.55	20.65
26 27 26 00-0158	EA	15 Amperes, 120 Volt, Clear Toggle, Lighted In On Position, Single Pole, Lighted Toggle Switch	94.60	20.65
26 27 26 00-0159	EA	15 Amperes, 120 Volt, Ivory Toggle, Lighted In Off Position, Lighted Toggle Switch	89.80	20.65
26 27 26 00-0160	EA	6 Amperes, 125 Volt, Door Open-Light On, Automatic Door Switch	100.87	10.23
26 27 26 00-0161	EA	6 Amperes, 125 Volt, Door Closed-Light On, Automatic Door Switch	107.38	10.23
26 27 26 00-0162	EA	15 Amperes, 120/277 Volt, Three Position, Center Off, Toggle, Single Pole Momentary Contact Switch	113.42	39.40
26 27 26 00-0163	EA	Three Position, Center Off, Key Operated, Momentary Contact Switch Note: 15A, 120/277 V, Single Pole	137.04	39.40
26 27 26 00-0164	EA	Single Pole, Slide Dimmer (Leviton IP710-LFZ)	164.59	12.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0165	EA	8 Amperes, 120/277 Volt, 0 To 10 Volt Dimmer LED Control Switch, White (Lutron DVSTV-WH)	83.24	12.63
26 27 26 00-0166	EA	120/277 Volt, (8 Amperes Lighting/3 Amperes Fan), Wireless Dimming Switch (Lutron MRF2-8S-DV-WH)	279.18	12.61
26 27 26 00-0167	EA	120 Volt, Companion Wireless Dimmer Switch (Lutron MA-AS-WH)	50.01	12.61
26 27 26 00-0168	EA	1200VA 0-10V LED And Fluorescent, Sunrise Electronic Wall Dimmer (Philips SR1200ZTUNV)	88.61	12.63
26 27 26 00-0169	EA	1 Zone, 2 Button Wireless Scheduling Switch (LG 9SSA2B1T520.ALWB000)	101.44	12.63
26 27 26 00-0170	EA	2 Zone, 4 Button Wireless Scheduling Switch (LG 9SSA2B2T520.ALWB000)	129.44	12.63
26 27 26 00-0171	EA	Wireless Single Rocker Remote Switch (Leviton WSS0S-S9)	169.52	12.63
26 27 26 00-0172		**Specialty Switches** *(26 27 26 00-0124)*		
26 27 26 00-0173		**Dimmers With SPST Switch** *(26 27 26 00-0172)*		
26 27 26 00-0174	EA	600 Watt Dimmers With SPST Switch	71.74	28.36
26 27 26 00-0175	EA	1,000 Watt Dimmers With SPST Switch	118.57	28.36
26 27 26 00-0176	EA	1,500 Watt Dimmers With SPST Switch	212.25	45.64
26 27 26 00-0177	EA	2,000 Watt Dimmers With SPST Switch	272.01	45.64
26 27 26 00-0178	EA	600 Watt Fluorescent Dimmer Switch	153.40	33.66
26 27 26 00-0179	EA	1,000 Watt Fluorescent Dimmer Switch	204.82	33.66
26 27 26 00-0180	EA	1,500 Watt Fluorescent Dimmer Switch	368.33	50.81
26 27 26 00-0181	EA	Remote Speed Switch For Paddle Fan	117.05	41.98
26 27 26 00-0182	EA	600 Watt Combination Remote Speed Switch/Incandescent Dimmer	191.49	62.65
26 27 26 00-0183		**Time Switches** *(26 27 26 00-0172)*		
26 27 26 00-0184	EA	40 Amperes, 125 Volt, SPST, Standard Time Switch	129.74	37.82
26 27 26 00-0185	EA	40 Amperes, 277 Volt, SPST, Standard Time Switch	132.44	37.82
26 27 26 00-0186	EA	40 Amperes, 125 Volt, DPST, Standard Time Switch	129.74	37.82
26 27 26 00-0187	EA	40 Amperes, 277 Volt, DPST, Standard Time Switch	132.44	37.82
26 27 26 00-0188	EA	40 Amperes, 125 Volt, SPST, 7-Day Time Switch	147.77	37.82
26 27 26 00-0189	EA	40 Amperes, 277 Volt, SPST, 7-Day Time Switch	147.77	37.82
26 27 26 00-0190	EA	40 Amperes, 125 Volt, DPDT, 7-Day Time Switch	254.16	37.82
26 27 26 00-0191	EA	40 Amperes, 277 Volt, DPDT, 7-Day Time Switch	254.16	37.82
26 27 26 00-0192	EA	20 Amperes, 125 Volt, SPST, Programmable Time Switch	220.02	37.82
26 27 26 00-0193	EA	20 Amperes, 277 Volt, SPST, Programmable Time Switch	240.87	37.82
26 27 26 00-0194	EA	20 Amperes, 277 Volt, SPST, Weatherproof Programmable Time Switch	240.87	37.82
26 27 26 00-0195	EA	40 Amperes, 125 Volt, 4PST, Astro Dial Time Switch	290.13	37.82
26 27 26 00-0196	EA	40 Amperes, 277 Volt, 4PST, Astro Dial Time Switch	298.42	37.82
26 27 26 00-0197	EA	40 Amperes, 125 Volt, SPST, Weatherproof Standard Time Switch	129.74	37.82
26 27 26 00-0198	EA	40 Amperes, 277 Volt, SPST, Weatherproof Standard Time Switch	132.44	37.82
26 27 26 00-0199	EA	40 Amperes, 125 Volt, DPST, Weatherproof Standard Time Switch	129.74	37.82
26 27 26 00-0200	EA	40 Amperes, 277 Volt, DPST, Weatherproof Standard Time Switch	132.44	37.82
26 27 26 00-0201	EA	40 Amperes, 125 Volt, SPST, Weatherproof 7-Day Time Switch	147.77	37.82
26 27 26 00-0202	EA	40 Amperes, 277 Volt, SPST, Weatherproof 7-Day Time Switch	147.77	37.82
26 27 26 00-0203	EA	40 Amperes, 125 Volt, DPDT, Weatherproof 7-Day Time Switch	254.16	37.82
26 27 26 00-0204	EA	40 Amperes, 277 Volt, DPDT, Weatherproof 7-Day Time Switch	254.16	37.82
26 27 26 00-0205	EA	40 Amperes, 125 Volt, 4PST, Weatherproof Astro Dial Time Switch	290.13	37.82
26 27 26 00-0206	EA	40 Amperes, 277 Volt, 4PST, Weatherproof Astro Dial Time Switch	298.42	37.82
26 27 26 00-0207		**Low Voltage Switching** *(26 27 26 00-0172)*		
26 27 26 00-0208	EA	36 Pin Male Or Female Connector	200.10	12.61
26 27 26 00-0209		**Other Switches** *(26 27 26 00-0172)*		
26 27 26 00-0210	EA	Pull Chain Switch 120/277 Volt AC Installed In Light Fixture	41.18	18.91
26 27 26 00-0211	EA	SPST Locking Switch For Concealed Devices	124.09	50.43
26 27 26 00-0212	EA	3-Way Locking Switch For Concealed Devices	125.55	50.43
26 27 26 00-0213	EA	Emergency Off Switch, With 1 Non-Closing Contact, Circular, Red, With Guard	135.52	47.15
26 27 26 00-0214	EA	15 Amperes Momentary Contact Switch	129.61	47.15
26 27 26 00-0215	EA	20 Amperes Momentary Contact Switch	135.83	47.15
26 27 26 00-0216	EA	2-1/4" Handy Box Cover Units Fuseholder Switch	130.98	56.82
26 27 26 00-0217	EA	2-3/4" Handy Box Cover Units Fuseholder Switch	132.72	56.82
26 27 26 00-0218	EA	4" Square Box Cover Units With 2 Fuseholders And 2 Switches	163.17	69.45
26 27 26 00-0219	EA	4" Square Box Cover Units With 1 Fuseholder And 1 Switch	148.38	63.13
26 27 26 00-0220	EA	4" Octagon Box Cover Units With 1 Fuseholder And 1 Switch	148.81	63.13
26 27 26 00-0221		**Line-Voltage Dimming Wall Switch** *(26 27 26 00-0172)*		
26 27 26 00-0222	EA	Low-Voltage, Magnetic, Slide-To-Off, LED Dimmer Switch With Cover (Lutron Nova T)	156.39	15.75
26 27 26 00-0223		**Plates And Covers** *(26 27 26)*		
26 27 26 00-0224		**Wall Plates** *(26 27 26 00-0223)*		
26 27 26 00-0225		**Nylon Wall Plates** *(26 27 26 00-0224)*		
26 27 26 00-0226	EA	1 Gang Nylon Switch Wall Plates	2.03	0.63
26 27 26 00-0227	EA	2 Gang Nylon Switch Wall Plates	3.45	0.94
26 27 26 00-0228	EA	3 Gang Nylon Switch Wall Plates	4.91	1.26
26 27 26 00-0229	EA	4 Gang Nylon Switch Wall Plate	7.08	1.58
26 27 26 00-0230	EA	1 Gang Duplex Nylon Wall Plate	2.05	0.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0231	EA	2 Gang Duplex Nylon Wall Plate	3.54	0.94
26 27 26 00-0232		**Plastic Wall Plates** *(26 27 26 00-0224)*		
26 27 26 00-0233	EA	1 Gang Plastic Switch Wall Plates	1.88	0.63
26 27 26 00-0234	EA	2 Gang Plastic Switch Wall Plates	3.14	0.94
26 27 26 00-0235	EA	3 Gang Plastic Switch Wall Plates	4.41	1.26
26 27 26 00-0236	EA	4 Gang Plastic Switch Wall Plates	7.08	1.58
26 27 26 00-0237	EA	1 Gang Duplex Plastic Wall Plate	1.88	0.63
26 27 26 00-0238	EA	2 Gang Duplex Plastic Wall Plate	3.15	0.94
26 27 26 00-0239		**Brass Wall Plates** *(26 27 26 00-0224)*		
26 27 26 00-0240	EA	1 Gang, 0.04" Brass Switch Wall Plates	20.25	2.84
26 27 26 00-0241	EA	2 Gang, 0.04" Brass Switch Wall Plates	38.18	3.28
26 27 26 00-0242	EA	3 Gang, 0.04" Brass Switch Wall Plates	56.00	3.66
26 27 26 00-0243	EA	4 Gang, 0.04" Brass Switch Wall Plates	87.31	3.97
26 27 26 00-0244	EA	5 Gang, 0.04" Brass Switch Wall Plates	106.41	4.23
26 27 26 00-0245	EA	6 Gang, 0.04" Brass Switch Wall Plates	123.22	4.42
26 27 26 00-0246	EA	1 Gang, 0.04" Brass Duplex Receptacle Wall Plate	20.25	2.84
26 27 26 00-0247	EA	2 Gang, 0.04" Brass Duplex Receptacle Wall Plate	44.81	3.28
26 27 26 00-0248	EA	3 Gang 0.04" Brass Duplex Receptacle Wall Plate	64.74	3.66
26 27 26 00-0249		**Stainless Steel Wall Plates** *(26 27 26 00-0224)*		
26 27 26 00-0250	EA	1 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	10.67	2.84
26 27 26 00-0251	EA	2 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	17.25	3.28
26 27 26 00-0252	EA	3 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	24.22	3.66
26 27 26 00-0253	EA	4 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	35.70	3.97
26 27 26 00-0254	EA	5 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	42.09	4.23
26 27 26 00-0255	EA	6 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	51.00	4.42
26 27 26 00-0256	EA	1 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate	11.72	2.84
26 27 26 00-0257	EA	2 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate	19.73	3.28
26 27 26 00-0258	EA	3 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate	32.44	3.66
26 27 26 00-0259	EA	4 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate	39.27	3.97
26 27 26 00-0260		**Chrome Wall Plates** *(26 27 26 00-0224)*		
26 27 26 00-0261	EA	1 Gang, 0.040" Chrome Switch Wall Plate	40.86	2.84
26 27 26 00-0262	EA	2 Gang 0.040" Chrome Switch Wall Plate	76.80	3.28
26 27 26 00-0263	EA	3 Gang 0.040" Chrome Switch Wall Plate	112.72	3.66
26 27 26 00-0264	EA	1 Gang 0.040" Chrome Duplex Receptacle Wall Plate	40.83	2.84
26 27 26 00-0265		**Weatherproof Covers** *(26 27 26 00-0223)*		
26 27 26 00-0266		**Stamped Metallic Weatherproof Covers** *(26 27 26 00-0265)*		
		Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0267	EA	Blank Cover, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FBC)	13.85	0.63
26 27 26 00-0268	EA	Duplex Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FAC)	15.01	0.63
26 27 26 00-0269	EA	Single Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FRC)	15.01	0.63
26 27 26 00-0270	EA	Toggle Switch, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FTC)	15.01	0.63
26 27 26 00-0271	EA	Blank Cover, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FBC)	18.39	0.94
26 27 26 00-0272	EA	Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FAC)	20.90	0.94
26 27 26 00-0273	EA	Single Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FRC)	21.16	0.94
26 27 26 00-0274	EA	Toggle Switch, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTC)	21.16	0.94
26 27 26 00-0275	EA	Toggle Switch And Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTAC)	28.83	0.94
26 27 26 00-0276	EA	Blank Cover, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FB)	27.23	1.26
26 27 26 00-0277	EA	Toggle Switch, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FT)	29.80	1.26
26 27 26 00-0278		**Cast Metallic Weatherproof Covers** *(26 27 26 00-0265)*		
		Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0279	EA	Blank Cover, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSBC)	16.98	0.63
26 27 26 00-0280	EA	Duplex Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLA)	54.51	0.63
26 27 26 00-0281	EA	Single Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLR)	61.14	0.63
26 27 26 00-0282	EA	Guarded Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSTG)	16.85	0.63
26 27 26 00-0283	EA	Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLT)	46.19	0.63
26 27 26 00-0284	EA	Lever Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSPT)	76.92	0.63
26 27 26 00-0285	EA	Plunger Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FST)	97.96	0.63
26 27 26 00-0286	EA	Blank Cover, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FSBC)	21.16	0.94
26 27 26 00-0287	EA	Plunger Operated Toggle Switch, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FST)	154.77	0.94
26 27 26 00-0288	EA	Blank Cover, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FSBC)	35.47	1.26
26 27 26 00-0289	EA	Plunger Operated Toggle Switch, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FST)	147.78	1.26
26 27 26 00-0290		**Die Cast Aluminum Weatherproof Covers** *(26 27 26 00-0265)*		
		Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0291	EA	Duplex Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5027)	5.66	0.63
26 27 26 00-0292	EA	Single Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5026)	7.27	0.63
26 27 26 00-0293	EA	Duplex Receptacles, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5032)	9.76	0.94

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0294	EA	Toggle Switch, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5041)	10.59	0.94
26 27 26 00-0295	EA	Toggle Switch And Duplex Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5042)	10.59	0.94
26 27 26 00-0296	EA	Toggle Switch And Single Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5043)	11.80	0.94
26 27 26 00-0297		**Heavy-Duty Die Cast Aluminum Weatherproof Covers** *(26 27 26 00-0265)*		
		Note: Includes baked on lacquer finish and neoprene gasket.		
26 27 26 00-0298	EA	Duplex Receptacle, Single Gang, Heavy-Duty Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Pass & Seymour Legrand® 4510)	58.05	0.63
26 27 26 00-0299		**Polycarbonate Weatherproof Covers** *(26 27 26 00-0265)*		
		Note: Includes neoprene gasket.		
26 27 26 00-0300	EA	Toggle Switch, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730)	11.67	0.63
26 27 26 00-0301	EA	Duplex Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730)	11.67	0.63
26 27 26 00-0302	EA	Single Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730)	11.67	0.63
26 27 26 00-0303	EA	Duplex Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775)	14.43	0.94
26 27 26 00-0304	EA	Toggle Switch And Single Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775)	14.43	0.94
26 27 26 00-0305		**High Impact Thermoplastic Weatherproof Covers** *(26 27 26 00-0265)*		
		Note: Includes neoprene gasket.		
26 27 26 00-0306	EA	Duplex Receptacle, Single Gang, High Impact Thermoplastic Weatherproof Cover With Self Closing Lid (Hubbell® HBL522)	94.87	0.63
26 27 26 00-0307		**Non-Metallic (PVC) Weatherproof Covers** *(26 27 26 00-0265)*		
		Note: Includes neoprene gasket.		
26 27 26 00-0308	EA	Blank Cover, Single Gang, Non-Metallic (PVC) Weatherproof Cover	13.86	0.63
26 27 26 00-0309	EA	Blank Cover, Two Gang, Non-Metallic (PVC) Weatherproof Cover	14.86	0.94
26 27 26 00-0310	EA	Toggle Switch, Single Gang, Non-Metallic (PVC) Weatherproof Cover	13.90	0.63
26 27 26 00-0311	EA	Switch, Single Gang, Non-Metallic (PVC) Weatherproof Cover	30.70	0.63
26 27 26 00-0312	EA	Duplex Receptacle, Single Gang, Non-Metallic (PVC) Weatherproof Cover	35.59	0.63
26 27 26 00-0313	EA	20 Amperes, Receptacle, Single Gang, Non-Metallic (PVC) Weatherproof Cover	28.84	0.63
26 27 26 00-0314	EA	30 Amperes, Receptacle, Single Gang, Non-Metallic (PVC) Weatherproof Cover	21.48	0.63
26 27 26 00-0315	EA	50 Amperes, Receptacle, Single Gang, Non-Metallic (PVC) Weatherproof Cover	25.15	0.63
26 27 26 00-0316	EA	Plunger Switch, Single Gang, Non-Metallic (PVC) Weatherproof Cover	22.48	0.63
26 27 26 00-0317	EA	Double Duplex Receptacle, Two Gang, Non-Metallic (PVC) Weatherproof Cover	32.37	0.94
26 27 26 00-0318		**Removal And Reinstallation Of Wiring Devices** *(26 27 26)*		
		Note: Includes storage and cleaning.		
26 27 26 00-0319	EA	Removal And Reinstallation Of Receptacle, Switch, Outlet Or Special System Device	82.94	
26 27 26 00-0320	EA	Removal And Reinstallation Of Receptacle Or Switch Outlet Cover Plate	10.50	
26 27 26 00-0321		**In Line Midget Fuseholders** *(26 27 26)*		
		See CSI section 26 28 13 00-0078 for fuses.		
26 27 26 00-0322	EA	Single Pole Water Resistant In Line Midget Fuseholder	93.03	
26 27 26 00-0323	EA	Double Pole Water Resistant In Line Midget Fuseholder	217.71	
26 27 26 00-0324		**Relay Systems** *(26 27 26)*		
26 27 26 00-0325	EA	10 Amperes, 24 Volt Coil, 2 Position Relay	96.70	28.36
26 27 26 00-0326	EA	20 Amperes, 120 Volt Coil, Up To 4 Contacts, Industrial Control Relay	416.67	94.55
26 27 26 00-0327	EA	20 Amperes, 120 Volt Coil, 12 Contacts, Industrial Control Relay	707.63	126.07
26 27 26 00-0328		**Limit Switches** *(26 27 26)*		
26 27 26 00-0329		**Heavy-Duty Precision Oiltight** *(26 27 26 00-0328)*		
26 27 26 00-0330		**Lever Arm, Plunger, Wobble Stick Type** *(26 27 26 00-0329)*		
26 27 26 00-0331	EA	Limit Switch, Heavy-Duty, Lever Arm Weatherproof, 10 Amperes Rated	466.35	79.42
26 27 33		**Power Distribution Units** *(26 27)*		
		Note: Includes wiring connections and testing.		
26 27 33 00-0001		**Liebert Precision Power Center** *(26 27 33)*		
		Note: With K20 Trans Spike Suppression Modules Lighting/Surge Arrestors. Includes start-up.		
26 27 33 00-0002	EA	PDU 15 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC015C)	21,948.71	387.65
26 27 33 00-0003	EA	PDU 30 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC030C)	26,507.03	420.18
26 27 33 00-0004	EA	PDU 50 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC050C)	30,210.20	466.45
26 27 33 00-0005	EA	PDU 75 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC075C)	34,762.72	504.27
26 27 33 00-0006	EA	PDU 100 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC100C)	37,924.70	630.34
26 27 33 00-0007	EA	PDU 125 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC125C)	42,541.60	756.41
26 27 33 00-0008	EA	PDU 150 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC150C)	49,084.12	882.48
26 27 33 00-0009	EA	PDU 200 KVA, 480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC200C)	51,604.23	1,008.54

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 33 00-0010	EA	PDU 225 KVA, 480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC225C)	54,509.45	1,134.61
26 27 33 00-0011	EA	Ex Panelboard 10-30 KVA	1,938.14	126.07
26 27 33 00-0012	EA	Ex Panelboard 50-125 KVA	2,899.80	157.58
26 27 33 00-0013	EA	Ex Panelboard 150-220 KVA	6,557.34	189.10
26 27 33 00-0014	EA	Removal And Reinstallation Of Power Distribution Unit Note: Includes disconnection / reconnection of branch circuits, storage and cleaning.	2,017.08	
26 27 33 00-0015	EA	Start-Up Liebert Power Distribution Unit Line Item Applies To A Relocation Only	1,512.81	

26 27 73 Door Chimes *(26 27)*

26 27 73 00-0001 Door Bell Chime And Door Button With Built-In Viewer *(26 27 73)*

Note: Non-electric chime, mounted on door

26 27 73 00-0002	EA	Mechanical Door Bell Chime And Door Button With Built-In Viewer (Newhouse Hardware MCHBV)	82.18	16.56

26 27 73 00-0003 Wireless Door Bell System *(26 27 73)*

26 27 73 00-0004	EA	Wireless Doorbell Chime And Push Button (Broan LA542WH) Note: Includes 2 push buttons	145.84	
26 27 73 00-0005	EA	Wireless Doorbell Chime And Push Button (STI-3350G) Note: Includes 2 push buttons	137.29	
26 27 73 00-0006	EA	Wireless Doorbell Chime And Push Button (GE 19300) Note: Includes 2 push buttons	102.35	

26 27 73 00-0007 Door Bell Buzzer System, Wired *(26 27 73)*

26 27 73 00-0008	EA	Door Bell, Push-Button And Transformer, Complete	671.42	262.60
26 27 73 00-0009	EA	Visual Flashing Doorbell Indicator, Wire To Existing System, Complete	263.28	63.03
26 27 73 00-0010	EA	Removal And Replacement Of Bell/Buzzer, Complete Note: Includes removal of existing.	108.11	31.52

26 28 Low-Voltage Circuit Protective Devices *(26 20)*

26 28 13 Fuses *(26 28)*

26 28 13 00-0001 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuses *(26 28 13)*

26 28 13 00-0002	EA	1 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	31.28	9.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
26 28 13 00-0003	EA	2 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	30.39	9.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
26 28 13 00-0004	EA	3 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	29.19	9.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
26 28 13 00-0005	EA	5 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	29.02	9.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
26 28 13 00-0006	EA	6 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	30.14	9.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
26 28 13 00-0007	EA	8 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	27.95	9.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
26 28 13 00-0008	EA	10 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	27.43	9.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
26 28 13 00-0009	EA	15 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	23.14	9.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
26 28 13 00-0010	EA	20 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	22.50	9.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
26 28 13 00-0011	EA	25 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	23.73	9.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
26 28 13 00-0012	EA	30 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	22.87	9.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	

26 28 13 00-0013 Class RK1, Time Delay Fuses *(26 28 13)*

26 28 13 00-0014 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuses *(26 28 13 00-0013)*

26 28 13 00-0015	EA	1 Ampere, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	52.34	9.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
26 28 13 00-0016	EA	2 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	48.46	9.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
26 28 13 00-0017	EA	3 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	51.17	9.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
26 28 13 00-0018	EA	4 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	50.81	9.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
26 28 13 00-0019	EA	5 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	48.11	9.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
26 28 13 00-0020	EA	10 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	46.49	9.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
26 28 13 00-0021	EA	15 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	42.21	9.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
26 28 13 00-0022	EA	20 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	41.88	9.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
26 28 13 00-0023	EA	25 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	42.23	9.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0024	EA	30 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	41.79	9.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
26 28 13 00-0025	EA	35 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	60.04	9.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
26 28 13 00-0026	EA	40 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	58.75	9.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
26 28 13 00-0027	EA	45 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	59.72	9.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
26 28 13 00-0028	EA	50 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	58.92	9.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
26 28 13 00-0029	EA	60 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	57.75	9.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
26 28 13 00-0030		**250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuses** *(26 28 13 00-0013)*		
26 28 13 00-0031	EA	70 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	111.23	11.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.56*	
26 28 13 00-0032	EA	80 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	110.59	11.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.56*	
26 28 13 00-0033	EA	90 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	123.69	11.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.56*	
26 28 13 00-0034	EA	100 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	109.56	11.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.56*	
26 28 13 00-0035	EA	110 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	325.21	11.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.56*	
26 28 13 00-0036	EA	125 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	235.92	11.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.56*	
26 28 13 00-0037	EA	150 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	215.42	12.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.32*	
26 28 13 00-0038	EA	200 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	227.32	12.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.32*	
26 28 13 00-0039	EA	250 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	432.77	12.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.32*	
26 28 13 00-0040	EA	300 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	464.43	15.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.21*	
26 28 13 00-0041	EA	350 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	500.01	15.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.21*	
26 28 13 00-0042	EA	400 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	383.28	15.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.21*	
26 28 13 00-0043	EA	450 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	864.82	15.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.21*	
26 28 13 00-0044	EA	500 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	815.88	18.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.48*	
26 28 13 00-0045	EA	600 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	633.90	18.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.48*	
26 28 13 00-0046		**600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuses** *(26 28 13 00-0013)*		
26 28 13 00-0047	EA	1 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	84.25	9.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
26 28 13 00-0048	EA	2 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	78.08	9.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
26 28 13 00-0049	EA	3 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	72.91	9.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
26 28 13 00-0050	EA	4 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	74.61	9.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
26 28 13 00-0051	EA	5 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	73.14	9.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
26 28 13 00-0052	EA	10 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	73.67	9.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
26 28 13 00-0053	EA	15 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	68.03	9.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
26 28 13 00-0054	EA	20 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	67.47	9.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
26 28 13 00-0055	EA	25 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	66.71	9.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
26 28 13 00-0056	EA	30 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	67.82	9.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
26 28 13 00-0057	EA	35 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	101.29	9.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
26 28 13 00-0058	EA	40 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	101.55	9.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
26 28 13 00-0059	EA	45 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	99.44	9.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
26 28 13 00-0060	EA	50 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	100.44	9.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
26 28 13 00-0061	EA	60 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	101.32	9.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
26 28 13 00-0062		**600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuses** *(26 28 13 00-0013)*		

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0063	EA	70 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	193.82	11.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.56*	
26 28 13 00-0064	EA	80 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	198.03	12.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.32*	
26 28 13 00-0065	EA	90 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	196.91	12.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.32*	
26 28 13 00-0066	EA	100 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	197.79	12.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.32*	
26 28 13 00-0067	EA	110 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	369.22	12.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.32*	
26 28 13 00-0068	EA	125 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	374.92	12.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.32*	
26 28 13 00-0069	EA	150 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	368.21	15.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.21*	
26 28 13 00-0070	EA	200 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	367.27	15.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.21*	
26 28 13 00-0071	EA	250 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	708.93	15.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.21*	
26 28 13 00-0072	EA	300 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	711.20	18.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.48*	
26 28 13 00-0073	EA	350 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	803.48	18.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.48*	
26 28 13 00-0074	EA	400 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	726.89	18.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.48*	
26 28 13 00-0075	EA	450 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	1,314.90	18.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.48*	
26 28 13 00-0076	EA	500 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	1,167.63	22.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.13*	
26 28 13 00-0077	EA	600 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	1,016.59	22.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.13*	

26 28 13 00-0078 600 Volt AC, Class CC Midget Fuses *(26 28 13)*

Note: 250/300 Volt DC.

26 28 13 00-0079	EA	1 Amperes, 600 Volt AC, Class CC Midget Fuse	61.16	9.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
26 28 13 00-0080	EA	2 Amperes, 600 Volt AC, Class CC Midget Fuse	62.18	9.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
26 28 13 00-0081	EA	3 Amperes, 600 Volt AC, Class CC Midget Fuse	61.89	9.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
26 28 13 00-0082	EA	5 Amperes, 600 Volt AC, Class CC Midget Fuse	61.57	9.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
26 28 13 00-0083	EA	6 Amperes, 600 Volt AC, Class CC Midget Fuse	66.41	9.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
26 28 13 00-0084	EA	8 Amperes, 600 Volt AC, Class CC Midget Fuse	58.66	9.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
26 28 13 00-0085	EA	10 Amperes, 600 Volt AC, Class CC Midget Fuse	67.77	9.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
26 28 13 00-0086	EA	15 Amperes, 600 Volt AC, Class CC Midget Fuse	61.60	9.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
26 28 13 00-0087	EA	20 Amperes, 600 Volt AC, Class CC Midget Fuse	60.33	9.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
26 28 13 00-0088	EA	25 Amperes, 600 Volt AC, Class CC Midget Fuse	57.42	9.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	
26 28 13 00-0089	EA	30 Amperes, 600 Volt AC, Class CC Midget Fuse	59.89	9.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.05*	

26 28 13 00-0090 200,000 Ampere Interrupting Capacity, 600 Volt AC, Class J Bolted Fuse *(26 28 13)*

26 28 13 00-0091	EA	1 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	82.92	6.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.78*	
26 28 13 00-0092	EA	3 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	83.59	6.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.78*	
26 28 13 00-0093	EA	6 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	70.81	7.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.54*	
26 28 13 00-0094	EA	10 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	69.18	9.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.67*	
26 28 13 00-0095	EA	15 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	70.80	9.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.67*	
26 28 13 00-0096	EA	20 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	69.36	9.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.67*	
26 28 13 00-0097	EA	25 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	88.00	12.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.56*	
26 28 13 00-0098	EA	30 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	71.87	12.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.56*	
26 28 13 00-0099	EA	35 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	132.07	12.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.56*	
26 28 13 00-0100	EA	40 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	111.32	12.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.56*	
26 28 13 00-0101	EA	45 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	128.89	12.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.56*	
26 28 13 00-0102	EA	50 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	111.35	15.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0103	EA	60 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	109.11	15.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.46*	
26 28 13 00-0104	EA	70 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	173.17	18.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.35*	
26 28 13 00-0105	EA	80 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	185.48	18.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.35*	
26 28 13 00-0106	EA	90 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	182.34	18.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.35*	
26 28 13 00-0107	EA	100 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	156.00	22.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.24*	
26 28 13 00-0108	EA	110 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	385.60	22.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.24*	
26 28 13 00-0109	EA	125 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	325.43	22.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.24*	
26 28 13 00-0110	EA	150 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	307.45	25.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.13*	
26 28 13 00-0111	EA	175 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	312.24	25.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.13*	
26 28 13 00-0112	EA	200 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	256.27	25.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.13*	
26 28 13 00-0113	EA	225 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	674.84	25.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.13*	
26 28 13 00-0114	EA	250 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	622.61	25.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.13*	
26 28 13 00-0115	EA	300 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	572.34	25.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.13*	
26 28 13 00-0116	EA	350 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	625.84	25.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.13*	
26 28 13 00-0117	EA	400 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	511.47	28.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.02*	
26 28 13 00-0118	EA	450 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	1,108.39	28.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.02*	
26 28 13 00-0119	EA	500 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	935.65	31.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.91*	
26 28 13 00-0120	EA	600 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	690.41	31.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.91*	

26 28 13 00-0121 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuses *(26 28 13)*

26 28 13 00-0122	EA	100 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,147.17	15.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.46*	
26 28 13 00-0123	EA	150 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,151.43	15.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.46*	
26 28 13 00-0124	EA	200 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,155.40	15.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.46*	
26 28 13 00-0125	EA	250 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,146.45	18.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.35*	
26 28 13 00-0126	EA	300 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,975.90	18.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.35*	
26 28 13 00-0127	EA	350 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,113.09	22.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.24*	
26 28 13 00-0128	EA	400 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,943.77	22.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.24*	
26 28 13 00-0129	EA	450 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,175.64	22.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.24*	
26 28 13 00-0130	EA	500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,132.92	22.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.24*	
26 28 13 00-0131	EA	600 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,893.64	25.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.13*	
26 28 13 00-0132	EA	601 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,945.03	25.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.13*	
26 28 13 00-0133	EA	650 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,590.92	25.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.13*	
26 28 13 00-0134	EA	700 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,884.33	25.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.13*	
26 28 13 00-0135	EA	750 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,899.72	28.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.02*	
26 28 13 00-0136	EA	800 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,663.02	28.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.02*	
26 28 13 00-0137	EA	900 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,436.27	28.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.02*	
26 28 13 00-0138	EA	1,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,634.76	28.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.02*	
26 28 13 00-0139	EA	1,200 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,683.91	28.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.02*	
26 28 13 00-0140	EA	1,350 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	3,764.02	28.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.02*	
26 28 13 00-0141	EA	1,400 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	3,710.90	28.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.02*	
26 28 13 00-0142	EA	1,500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	3,346.44	28.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.02*	
26 28 13 00-0143	EA	1,600 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,082.61	31.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0144	EA	1,800 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	4,434.51	31.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.91*	
26 28 13 00-0145	EA	2,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,832.27	31.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.91*	
26 28 13 00-0146	EA	2,500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	3,835.30	31.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.91*	
26 28 13 00-0147	EA	2,501 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	6,546.58	31.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.91*	
26 28 13 00-0148	EA	3,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	4,275.82	34.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.80*	
26 28 13 00-0149	EA	3,500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	8,863.89	34.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.80*	
26 28 13 00-0150	EA	3,800 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	10,288.41	34.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.80*	
26 28 13 00-0151	EA	4,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	5,940.67	34.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.80*	
26 28 13 00-0152	EA	5,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	9,386.94	34.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.80*	
26 28 13 00-0153	EA	6,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	15,552.31	34.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.80*	

26 28 16 Enclosed Switches and Circuit Breakers *(26 28)*

26 28 16 13 Enclosed Circuit Breakers *(26 28 16)*

26 28 16 13-0001 Branch Circuit Breakers *(26 28 16 13)*

Note: For installation in existing and new panelboards. Use task modifier for installation in new panelboards.

26 28 16 13-0002 Branch Circuit Breakers 10,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*

Note: Includes connection of electrical wire.

26 28 16 13-0003	EA	1 Pole, 120/240 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	62.80	22.69
		For Bolt-On, Add	*16.68*	
		For Installation In New Panelboard, Deduct	*-12.61*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.13*	
26 28 16 13-0004	EA	1 Pole, 120/240 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	62.80	22.69
		For Bolt-On, Add	*16.68*	
		For Installation In New Panelboard, Deduct	*-12.61*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.13*	
26 28 16 13-0005	EA	1 Pole, 120/240 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	91.58	28.36
		For Bolt-On, Add	*22.48*	
		For Installation In New Panelboard, Deduct	*-15.76*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.91*	
26 28 16 13-0006	EA	1 Pole GFI, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	140.66	28.36
		For Bolt-On, Add	*28.61*	
		For Installation In New Panelboard, Deduct	*-15.76*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.91*	
26 28 16 13-0007	EA	1 Pole GFI, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity	196.78	28.36
		For Bolt-On, Add	*35.63*	
		For Installation In New Panelboard, Deduct	*-15.76*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.91*	
26 28 16 13-0008	EA	1 Pole GFI, 15 To 30 Amperes, 120/240 Volt, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity	228.78	28.36
		For Bolt-On, Add	*39.63*	
		For Installation In New Panelboard, Deduct	*-15.76*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.91*	
26 28 16 13-0009	EA	1 Pole GFI, 15 To 20 Amperes, 120/240 Volt, "Arc Fault" Circuit Breaker, 10,000 Amperes Interrupting Capacity	109.74	28.36
		For Bolt-On, Add	*24.75*	
		For Installation In New Panelboard, Deduct	*-15.76*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.91*	
26 28 16 13-0010	EA	2 Pole, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	104.19	34.04
		For Bolt-On, Add	*26.26*	
		For Installation In New Panelboard, Deduct	*-18.91*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.69*	
26 28 16 13-0011	EA	2 Pole, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	104.19	34.04
		For Bolt-On, Add	*26.26*	
		For Installation In New Panelboard, Deduct	*-18.91*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.69*	
26 28 16 13-0012	EA	2 Pole, 70 To 100 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	157.95	45.39
		For Bolt-On, Add	*37.39*	
		For Installation In New Panelboard, Deduct	*-25.21*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0013	EA	2 Pole, 110 To 125 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	264.07	56.73
		For Bolt-On, Add	*55.07*	
		For Installation In New Panelboard, Deduct	*-31.52*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.82*	
26 28 16 13-0014	EA	2 Pole, 150 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	311.87	63.03
		For Bolt-On, Add	*63.25*	
		For Installation In New Panelboard, Deduct	*-34.67*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.60*	
26 28 16 13-0015	EA	2 Pole GFI, 15 To 50 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	266.08	40.35
		For Bolt-On, Add	*49.14*	
		For Installation In New Panelboard, Deduct	*-22.69*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.23*	
26 28 16 13-0016	EA	2 Pole GFI, 15 To 50 Amperes, 120/240 Volt, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity	357.88	40.35
		For Bolt-On, Add	*60.62*	
		For Installation In New Panelboard, Deduct	*-22.69*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.23*	
26 28 16 13-0017	EA	3 Pole, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	200.77	45.39
		For Bolt-On, Add	*42.75*	
		For Installation In New Panelboard, Deduct	*-25.21*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.26*	
26 28 16 13-0018	EA	3 Pole, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	200.77	45.39
		For Bolt-On, Add	*42.75*	
		For Installation In New Panelboard, Deduct	*-25.21*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.26*	
26 28 16 13-0019	EA	3 Pole, 70 To 100 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	263.53	56.73
		For Bolt-On, Add	*55.00*	
		For Installation In New Panelboard, Deduct	*-31.52*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.82*	
26 28 16 13-0020	EA	3 Pole, 110 To 125 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	401.01	68.07
		For Bolt-On, Add	*76.60*	
		For Installation In New Panelboard, Deduct	*-37.82*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.38*	
26 28 16 13-0021	EA	3 Pole, 150 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	512.60	79.42
		For Bolt-On, Add	*94.96*	
		For Installation In New Panelboard, Deduct	*-44.13*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.95*	

26 28 16 13-0022 Branch Circuit Breakers 14,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*

Note: Includes connection of electrical wire.

26 28 16 13-0023	EA	1 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	91.88	22.69
		For Bolt-On, Add	*20.31*	
		For Installation In New Panelboard, Deduct	*-12.61*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.13*	
26 28 16 13-0024	EA	1 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	91.88	22.69
		For Bolt-On, Add	*20.31*	
		For Installation In New Panelboard, Deduct	*-12.61*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.13*	
26 28 16 13-0025	EA	1 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	165.91	28.36
		For Bolt-On, Add	*31.77*	
		For Installation In New Panelboard, Deduct	*-15.76*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.91*	
26 28 16 13-0026	EA	1 Pole GFI, 277/480 Volt, 15 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	260.28	28.36
		For Bolt-On, Add	*43.57*	
		For Installation In New Panelboard, Deduct	*-15.76*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.91*	
26 28 16 13-0027	EA	2 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	180.75	34.04
		For Bolt-On, Add	*35.83*	
		For Installation In New Panelboard, Deduct	*-18.91*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.69*	
26 28 16 13-0028	EA	2 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	180.75	34.04
		For Bolt-On, Add	*35.83*	
		For Installation In New Panelboard, Deduct	*-18.91*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.69*	
26 28 16 13-0029	EA	2 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	359.09	45.39
		For Bolt-On, Add	*62.54*	
		For Installation In New Panelboard, Deduct	*-25.21*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0030	EA	2 Pole, 277/480 Volt, 110 To 125 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	489.96	56.73
		For Bolt-On, Add	*83.31*	
		For Installation In New Panelboard, Deduct	*-31.52*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.82*	
26 28 16 13-0031	EA	2 Pole, 277/480 Volt, 150 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	723.02	63.03
		For Bolt-On, Add	*114.64*	
		For Installation In New Panelboard, Deduct	*-34.67*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.60*	
26 28 16 13-0032	EA	3 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	289.60	45.39
		For Bolt-On, Add	*53.85*	
		For Installation In New Panelboard, Deduct	*-25.21*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.26*	
26 28 16 13-0033	EA	3 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	289.60	45.39
		For Bolt-On, Add	*53.85*	
		For Installation In New Panelboard, Deduct	*-25.21*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.26*	
26 28 16 13-0034	EA	3 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	434.72	56.73
		For Bolt-On, Add	*76.40*	
		For Installation In New Panelboard, Deduct	*-31.52*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.82*	
26 28 16 13-0035	EA	3 Pole, 277/480 Volt, 110 To 125 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	620.30	68.07
		For Bolt-On, Add	*104.01*	
		For Installation In New Panelboard, Deduct	*-37.82*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.38*	
26 28 16 13-0036	EA	3 Pole, 277/480 Volt, 150 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	964.27	79.42
		For Bolt-On, Add	*151.42*	
		For Installation In New Panelboard, Deduct	*-44.13*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.95*	
26 28 16 13-0037	EA	3 Pole, 277/480 Volt, 175 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	1,113.71	85.09
		For Bolt-On, Add	*172.31*	
		For Installation In New Panelboard, Deduct	*-47.28*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.73*	
26 28 16 13-0038	EA	3 Pole, 277/480 Volt, 200 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	1,196.59	90.77
		For Bolt-On, Add	*184.87*	
		For Installation In New Panelboard, Deduct	*-50.43*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.51*	
26 28 16 13-0039	EA	3 Pole, 277/480 Volt, 225 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	1,417.54	96.44
		For Bolt-On, Add	*214.70*	
		For Installation In New Panelboard, Deduct	*-53.58*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.30*	

26 28 16 13-0040 Branch Circuit Breakers 18,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*

Note: Includes connection of electrical wire.

26 28 16 13-0041	EA	15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	110.99	22.69
		For Bolt-On, Add	*22.70*	
		For Installation In New Panelboard, Deduct	*-12.61*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.13*	
26 28 16 13-0042	EA	35 To 60 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	110.99	22.69
		For Bolt-On, Add	*22.70*	
		For Installation In New Panelboard, Deduct	*-12.61*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.13*	
26 28 16 13-0043	EA	70 To 100 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	184.79	28.36
		For Bolt-On, Add	*34.13*	
		For Installation In New Panelboard, Deduct	*-15.76*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.91*	
26 28 16 13-0044	EA	15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	230.55	34.04
		For Bolt-On, Add	*42.06*	
		For Installation In New Panelboard, Deduct	*-18.91*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.69*	
26 28 16 13-0045	EA	35 To 60 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	230.55	34.04
		For Bolt-On, Add	*42.06*	
		For Installation In New Panelboard, Deduct	*-18.91*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.69*	
26 28 16 13-0046	EA	70 To 100 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	406.85	45.39
		For Bolt-On, Add	*68.51*	
		For Installation In New Panelboard, Deduct	*-25.21*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0047	EA	110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	1,053.00	56.73
		For Bolt-On, Add	*153.69*	
		For Installation In New Panelboard, Deduct	*-31.52*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.82*	
26 28 16 13-0048	EA	15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	371.79	45.39
		For Bolt-On, Add	*64.12*	
		For Installation In New Panelboard, Deduct	*-25.21*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.26*	
26 28 16 13-0049	EA	35 To 60 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	371.79	45.39
		For Bolt-On, Add	*64.12*	
		For Installation In New Panelboard, Deduct	*-25.21*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.26*	
26 28 16 13-0050	EA	70 To 100 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	494.55	56.73
		For Bolt-On, Add	*83.88*	
		For Installation In New Panelboard, Deduct	*-31.52*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.82*	
26 28 16 13-0051	EA	110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	1,303.89	68.07
		For Bolt-On, Add	*189.46*	
		For Installation In New Panelboard, Deduct	*-37.82*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.38*	

26 28 16 13-0052 Branch Circuit Breakers 22,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*

Note: Includes connection of electrical wire.

26 28 16 13-0053	EA	15 To 30 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	127.22	22.69
		For Bolt-On, Add	*24.73*	
		For Installation In New Panelboard, Deduct	*-12.61*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.13*	
26 28 16 13-0054	EA	35 To 60 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	127.22	22.69
		For Bolt-On, Add	*24.73*	
		For Installation In New Panelboard, Deduct	*-12.61*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.13*	
26 28 16 13-0055	EA	70 To 100 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	149.68	28.36
		For Bolt-On, Add	*29.74*	
		For Installation In New Panelboard, Deduct	*-15.76*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.91*	
26 28 16 13-0056	EA	15 To 30 Amperes, 1 Pole GFI, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	258.11	28.36
		For Bolt-On, Add	*43.29*	
		For Installation In New Panelboard, Deduct	*-15.76*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.91*	
26 28 16 13-0057	EA	15 To 30 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	272.89	34.04
		For Bolt-On, Add	*47.35*	
		For Installation In New Panelboard, Deduct	*-18.91*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.69*	
26 28 16 13-0058	EA	35 To 60 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	272.89	34.04
		For Bolt-On, Add	*47.35*	
		For Installation In New Panelboard, Deduct	*-18.91*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.69*	
26 28 16 13-0059	EA	70 To 100 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	330.15	45.39
		For Bolt-On, Add	*58.92*	
		For Installation In New Panelboard, Deduct	*-25.21*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.26*	
26 28 16 13-0060	EA	110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	477.60	56.73
		For Bolt-On, Add	*81.76*	
		For Installation In New Panelboard, Deduct	*-31.52*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.82*	
26 28 16 13-0061	EA	150 To 225 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	619.82	63.03
		For Bolt-On, Add	*101.74*	
		For Installation In New Panelboard, Deduct	*-34.67*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.60*	
26 28 16 13-0062	EA	250 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	774.66	73.75
		For Bolt-On, Add	*125.51*	
		For Installation In New Panelboard, Deduct	*-40.97*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.17*	
26 28 16 13-0063	EA	300 To 400 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	834.74	85.09
		For Bolt-On, Add	*137.44*	
		For Installation In New Panelboard, Deduct	*-47.28*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0064	EA	15 To 30 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	330.86	45.39
		For Bolt-On, Add	*59.01*	
		For Installation In New Panelboard, Deduct	*-25.21*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.26*	
26 28 16 13-0065	EA	35 To 60 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	330.86	45.39
		For Bolt-On, Add	*59.01*	
		For Installation In New Panelboard, Deduct	*-25.21*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.26*	
26 28 16 13-0066	EA	70 To 100 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	387.43	56.73
		For Bolt-On, Add	*70.49*	
		For Installation In New Panelboard, Deduct	*-31.52*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.82*	
26 28 16 13-0067	EA	110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	592.27	68.07
		For Bolt-On, Add	*100.51*	
		For Installation In New Panelboard, Deduct	*-37.82*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.38*	
26 28 16 13-0068	EA	150 To 225 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	777.64	88.25
		For Bolt-On, Add	*131.40*	
		For Installation In New Panelboard, Deduct	*-48.85*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.62*	
26 28 16 13-0069	EA	250 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	962.03	102.12
		For Bolt-On, Add	*159.96*	
		For Installation In New Panelboard, Deduct	*-56.73*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.08*	
26 28 16 13-0070	EA	300 To 400 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	1,023.24	108.42
		For Bolt-On, Add	*169.82*	
		For Installation In New Panelboard, Deduct	*-59.88*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.86*	

26 28 16 13-0071 Branch Circuit Breakers 25,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*

Note: Includes connection of electrical wire.

26 28 16 13-0072	EA	15 To 30 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	283.46	34.04
		For Bolt-On, Add	*48.67*	
		For Installation In New Panelboard, Deduct	*-18.91*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.69*	
26 28 16 13-0073	EA	35 To 60 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	283.46	34.04
		For Bolt-On, Add	*48.67*	
		For Installation In New Panelboard, Deduct	*-18.91*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.69*	
26 28 16 13-0074	EA	70 To 100 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	432.40	45.39
		For Bolt-On, Add	*71.70*	
		For Installation In New Panelboard, Deduct	*-25.21*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.26*	
26 28 16 13-0075	EA	110 To 125 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	706.09	56.73
		For Bolt-On, Add	*110.32*	
		For Installation In New Panelboard, Deduct	*-31.52*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.82*	
26 28 16 13-0076	EA	150 To 225 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,103.70	70.60
		For Bolt-On, Add	*165.54*	
		For Installation In New Panelboard, Deduct	*-39.40*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.27*	
26 28 16 13-0077	EA	250 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,252.52	73.75
		For Bolt-On, Add	*185.25*	
		For Installation In New Panelboard, Deduct	*-40.97*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.17*	
26 28 16 13-0078	EA	300 To 400 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,367.62	85.09
		For Bolt-On, Add	*204.05*	
		For Installation In New Panelboard, Deduct	*-47.28*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.73*	
26 28 16 13-0079	EA	15 To 30 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	408.14	45.39
		For Bolt-On, Add	*68.67*	
		For Installation In New Panelboard, Deduct	*-25.21*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.26*	
26 28 16 13-0080	EA	35 To 60 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	408.14	45.39
		For Bolt-On, Add	*68.67*	
		For Installation In New Panelboard, Deduct	*-25.21*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0081	EA	70 To 100 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	514.22	56.73
		For Bolt-On, Add	*86.34*	
		For Installation In New Panelboard, Deduct	*-31.52*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.82*	
26 28 16 13-0082	EA	110 To 125 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	878.92	68.07
		For Bolt-On, Add	*136.34*	
		For Installation In New Panelboard, Deduct	*-37.82*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.38*	
26 28 16 13-0083	EA	150 To 225 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,287.09	88.25
		For Bolt-On, Add	*195.08*	
		For Installation In New Panelboard, Deduct	*-48.85*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.62*	
26 28 16 13-0084	EA	250 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,520.71	102.12
		For Bolt-On, Add	*229.80*	
		For Installation In New Panelboard, Deduct	*-56.73*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.08*	
26 28 16 13-0085	EA	300 To 400 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,645.87	108.42
		For Bolt-On, Add	*247.65*	
		For Installation In New Panelboard, Deduct	*-59.88*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.86*	
26 28 16 13-0086		**Branch Circuit Breakers 30,000 Amperes Interrupting Capacity, Plug-On** *(26 28 16 13-0001)*		
		Note: Includes connection of electrical wire.		
26 28 16 13-0087	EA	2 Pole, 240/480 Volt, 15-30 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	293.98	34.04
		For Bolt-On, Add	*49.98*	
		For Installation In New Panelboard, Deduct	*-18.91*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.69*	
26 28 16 13-0088	EA	2 Pole, 240/480 Volt, 35-60 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	293.98	34.04
		For Bolt-On, Add	*49.98*	
		For Installation In New Panelboard, Deduct	*-18.91*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.69*	
26 28 16 13-0089	EA	2 Pole, 240/480 Volt, 70-100 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	529.43	45.39
		For Bolt-On, Add	*83.83*	
		For Installation In New Panelboard, Deduct	*-25.21*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.26*	
26 28 16 13-0090	EA	2 Pole, 240/480 Volt, 110-125 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	975.15	56.73
		For Bolt-On, Add	*143.96*	
		For Installation In New Panelboard, Deduct	*-31.52*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.82*	
26 28 16 13-0091	EA	2 Pole, 240/480 Volt, 150-225 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	1,548.46	70.60
		For Bolt-On, Add	*221.13*	
		For Installation In New Panelboard, Deduct	*-39.40*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.27*	
26 28 16 13-0092	EA	2 Pole, 240/480 Volt, 250 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	1,764.05	73.75
		For Bolt-On, Add	*249.19*	
		For Installation In New Panelboard, Deduct	*-40.97*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.17*	
26 28 16 13-0093	EA	2 Pole, 240/480 Volt, 300-400 Amperes, Branch Circuit Breaker, 30,000 Amperees Interrupting Capacity	1,919.61	85.09
		For Bolt-On, Add	*273.04*	
		For Installation In New Panelboard, Deduct	*-47.28*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.73*	
26 28 16 13-0094	EA	3 Pole, 240/480 Volt, 15-30 Amperes, Branch Circuit Breaker, 30,000 Amperees Interrupting Capacity	480.92	45.39
		For Bolt-On, Add	*77.76*	
		For Installation In New Panelboard, Deduct	*-25.21*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.26*	
26 28 16 13-0095	EA	3 Pole, 240/480 Volt, 35-60 Amperes, Branch Circuit Breaker, 30,000 Amperees Interrupting Capacity	480.92	45.39
		For Bolt-On, Add	*77.76*	
		For Installation In New Panelboard, Deduct	*-25.21*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.26*	
26 28 16 13-0096	EA	3 Pole, 240/480 Volt, 70-100 Amperes, Branch Circuit Breaker, 30,000 Amperees Interrupting Capacity	640.37	56.73
		For Bolt-On, Add	*102.11*	
		For Installation In New Panelboard, Deduct	*-31.52*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.82*	
26 28 16 13-0097	EA	3 Pole, 240/480 Volt, 110-125 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	1,186.35	68.07
		For Bolt-On, Add	*174.77*	
		For Installation In New Panelboard, Deduct	*-37.82*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0098	EA	3 Pole, 240/480 Volt, 150-225 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	1,498.43	88.25
		For Bolt-On, Add	*221.50*	
		For Installation In New Panelboard, Deduct	*-48.85*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.62*	
26 28 16 13-0099	EA	3 Pole, 240/480 Volt, 250 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	2,398.97	102.12
		For Bolt-On, Add	*339.58*	
		For Installation In New Panelboard, Deduct	*-56.73*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.08*	
26 28 16 13-0100	EA	3 Pole, 240/480 Volt, 300-400 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	2,555.20	108.42
		For Bolt-On, Add	*361.32*	
		For Installation In New Panelboard, Deduct	*-59.88*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.86*	

26 28 16 13-0101 Branch Circuit Breakers 35,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*

Note: Includes connection of electrical wire.

26 28 16 13-0102	EA	1 Pole, 480 Volt, 15-30 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	153.71	22.69
		For Bolt-On, Add	*28.04*	
		For Installation In New Panelboard, Deduct	*-12.61*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.13*	
26 28 16 13-0103	EA	1 Pole, 480 Volt, 35-60 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	153.71	22.69
		For Bolt-On, Add	*28.04*	
		For Installation In New Panelboard, Deduct	*-12.61*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.13*	
26 28 16 13-0104	EA	1 Pole, 480 Volt, 70-100 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	268.31	28.36
		For Bolt-On, Add	*44.57*	
		For Installation In New Panelboard, Deduct	*-15.76*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.91*	
26 28 16 13-0105	EA	2 Pole, 480 Volt, 15-30 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	337.02	34.04
		For Bolt-On, Add	*55.36*	
		For Installation In New Panelboard, Deduct	*-18.91*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.69*	
26 28 16 13-0106	EA	2 Pole, 480 Volt, 35-60 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	337.02	34.04
		For Bolt-On, Add	*55.36*	
		For Installation In New Panelboard, Deduct	*-18.91*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.69*	
26 28 16 13-0107	EA	2 Pole, 480 Volt, 70-100 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	618.50	45.39
		For Bolt-On, Add	*94.96*	
		For Installation In New Panelboard, Deduct	*-25.21*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.26*	
26 28 16 13-0108	EA	2 Pole, 480 Volt, 110-125 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	1,153.06	56.73
		For Bolt-On, Add	*166.19*	
		For Installation In New Panelboard, Deduct	*-31.52*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.82*	
26 28 16 13-0109	EA	2 Pole, 480 Volt, 150-225 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	2,251.14	70.60
		For Bolt-On, Add	*308.97*	
		For Installation In New Panelboard, Deduct	*-39.40*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.27*	
26 28 16 13-0110	EA	3 Pole, 480 Volt, 15-30 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	558.58	45.39
		For Bolt-On, Add	*87.47*	
		For Installation In New Panelboard, Deduct	*-25.21*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.26*	
26 28 16 13-0111	EA	3 Pole, 480 Volt, 35-60 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	558.58	45.39
		For Bolt-On, Add	*87.47*	
		For Installation In New Panelboard, Deduct	*-25.21*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.26*	
26 28 16 13-0112	EA	3 Pole, 480 Volt, 70-100 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	748.27	56.73
		For Bolt-On, Add	*115.60*	
		For Installation In New Panelboard, Deduct	*-31.52*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.82*	
26 28 16 13-0113	EA	3 Pole, 480 Volt, 110-125 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	1,420.86	68.07
		For Bolt-On, Add	*204.08*	
		For Installation In New Panelboard, Deduct	*-37.82*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.38*	
26 28 16 13-0114	EA	3 Pole, 480 Volt, 150-225 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	2,798.98	88.25
		For Bolt-On, Add	*384.07*	
		For Installation In New Panelboard, Deduct	*-48.85*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0115		Branch Circuit Breakers 42,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*		
		Note: Includes connection of electrical wire.		
26 28 16 13-0116	EA	15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	228.33	22.69
		For Bolt-On, Add	*37.37*	
		For Installation In New Panelboard, Deduct	*-12.61*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.13*	
26 28 16 13-0117	EA	35 To 60 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Ampere Interrupting Capacity	228.33	22.69
		For Bolt-On, Add	*37.37*	
		For Installation In New Panelboard, Deduct	*-12.61*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.13*	
26 28 16 13-0118	EA	70 To 100 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	347.67	28.36
		For Bolt-On, Add	*54.49*	
		For Installation In New Panelboard, Deduct	*-15.76*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.91*	
26 28 16 13-0119	EA	15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	423.36	34.04
		For Bolt-On, Add	*66.16*	
		For Installation In New Panelboard, Deduct	*-18.91*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.69*	
26 28 16 13-0120	EA	35 To 60 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	423.36	34.04
		For Bolt-On, Add	*66.16*	
		For Installation In New Panelboard, Deduct	*-18.91*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.69*	
26 28 16 13-0121	EA	70 To 100 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	804.38	45.39
		For Bolt-On, Add	*118.20*	
		For Installation In New Panelboard, Deduct	*-25.21*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.26*	
26 28 16 13-0122	EA	110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	1,468.43	56.73
		For Bolt-On, Add	*205.62*	
		For Installation In New Panelboard, Deduct	*-31.52*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.82*	
26 28 16 13-0123	EA	150 To 225 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	2,944.69	63.03
		For Bolt-On, Add	*392.35*	
		For Installation In New Panelboard, Deduct	*-34.67*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.60*	
26 28 16 13-0124	EA	15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	731.60	45.39
		For Bolt-On, Add	*109.10*	
		For Installation In New Panelboard, Deduct	*-25.21*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.26*	
26 28 16 13-0125	EA	35 To 60 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	731.60	45.39
		For Bolt-On, Add	*109.10*	
		For Installation In New Panelboard, Deduct	*-25.21*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.26*	
26 28 16 13-0126	EA	70 To 100 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	1,015.59	56.73
		For Bolt-On, Add	*149.01*	
		For Installation In New Panelboard, Deduct	*-31.52*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.82*	
26 28 16 13-0127	EA	110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	1,655.37	68.07
		For Bolt-On, Add	*233.40*	
		For Installation In New Panelboard, Deduct	*-37.82*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.38*	
26 28 16 13-0128	EA	150 To 225 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	3,713.04	88.25
		For Bolt-On, Add	*498.33*	
		For Installation In New Panelboard, Deduct	*-48.85*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.62*	
26 28 16 13-0129		Branch Circuit Breakers 65,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*		
		Note: Includes connection of electrical wire.		
26 28 16 13-0130	EA	15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	99.52	22.69
		For Bolt-On, Add	*21.27*	
		For Installation In New Panelboard, Deduct	*-12.61*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.13*	
26 28 16 13-0131	EA	15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	213.98	34.04
		For Bolt-On, Add	*39.98*	
		For Installation In New Panelboard, Deduct	*-18.91*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0132	EA	15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	341.83	45.39
		For Bolt-On, Add	*60.38*	
		For Installation In New Panelboard, Deduct	*-25.21*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.26*	
26 28 16 13-0133	EA	15 To 30 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	215.54	22.69
		For Bolt-On, Add	*35.77*	
		For Installation In New Panelboard, Deduct	*-12.61*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.13*	
26 28 16 13-0134	EA	35 To 60 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	215.54	22.69
		For Bolt-On, Add	*35.77*	
		For Installation In New Panelboard, Deduct	*-12.61*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.13*	
26 28 16 13-0135	EA	70 To 100 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	429.16	45.39
		For Bolt-On, Add	*71.29*	
		For Installation In New Panelboard, Deduct	*-25.21*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.26*	
26 28 16 13-0136	EA	15 To 30 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	494.48	34.04
		For Bolt-On, Add	*75.05*	
		For Installation In New Panelboard, Deduct	*-18.91*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.69*	
26 28 16 13-0137	EA	35 To 60 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	494.48	34.04
		For Bolt-On, Add	*75.05*	
		For Installation In New Panelboard, Deduct	*-18.91*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.69*	
26 28 16 13-0138	EA	70 To 100 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	964.67	45.39
		For Bolt-On, Add	*138.23*	
		For Installation In New Panelboard, Deduct	*-25.21*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.26*	
26 28 16 13-0139	EA	110 To 125 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	1,646.33	56.73
		For Bolt-On, Add	*227.85*	
		For Installation In New Panelboard, Deduct	*-31.52*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.82*	
26 28 16 13-0140	EA	150 To 225 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	3,647.91	70.60
		For Bolt-On, Add	*483.57*	
		For Installation In New Panelboard, Deduct	*-39.40*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.27*	
26 28 16 13-0141	EA	15 To 30 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	833.34	45.39
		For Bolt-On, Add	*121.82*	
		For Installation In New Panelboard, Deduct	*-25.21*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.26*	
26 28 16 13-0142	EA	35 To 60 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	833.34	45.39
		For Bolt-On, Add	*121.82*	
		For Installation In New Panelboard, Deduct	*-25.21*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.26*	
26 28 16 13-0143	EA	70 To 100 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	1,163.29	56.73
		For Bolt-On, Add	*167.47*	
		For Installation In New Panelboard, Deduct	*-31.52*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.82*	
26 28 16 13-0144	EA	110 To 125 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	1,784.75	68.07
		For Bolt-On, Add	*249.57*	
		For Installation In New Panelboard, Deduct	*-37.82*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.38*	
26 28 16 13-0145	EA	150 To 225 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	4,536.17	88.25
		For Bolt-On, Add	*601.22*	
		For Installation In New Panelboard, Deduct	*-48.85*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.62*	

26 28 16 16 Enclosed Switches *(26 28 16)*

26 28 16 16-0001 Motor And Circuit Disconnects *(26 28 16 16)*
Note: Work includes mounting, material handling, uploading at job site and termination of all conductors entering and leaving the disconnect.

26 28 16 16-0002 NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0001)*

26 28 16 16-0003 Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0002)*
Note: Includes fuses and neutral bar.

26 28 16 16-0004 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0003)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0005	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	476.76	126.07
26 28 16 16-0006	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	753.08	151.91
26 28 16 16-0007	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,037.61	177.76
26 28 16 16-0008	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,789.38	279.86
26 28 16 16-0009	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,818.36	434.93
26 28 16 16-0010	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,383.16	642.95
26 28 16 16-0011	EA	800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	8,717.78	756.41
26 28 16 16-0012	EA	1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	11,715.49	882.48
26 28 16 16-0013		**600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0003)*		
26 28 16 16-0014	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	729.81	140.06
26 28 16 16-0015	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	880.56	168.81
26 28 16 16-0016	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,406.20	197.30
26 28 16 16-0017	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,077.49	311.38
26 28 16 16-0018	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,549.18	483.09
26 28 16 16-0019	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,094.88	714.05
26 28 16 16-0020	EA	800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	10,509.39	839.99
26 28 16 16-0021	EA	1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	14,371.67	980.55
26 28 16 16-0022		**240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0003)*		
26 28 16 16-0023	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	676.70	197.93
26 28 16 16-0024	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	999.55	262.85
26 28 16 16-0025	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,350.85	291.85
26 28 16 16-0026	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,137.26	456.99
26 28 16 16-0027	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,455.49	750.10
26 28 16 16-0028	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,260.60	1,050.77
26 28 16 16-0029		**600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0003)*		
26 28 16 16-0030	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	887.39	218.72
26 28 16 16-0031	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,126.77	291.85
26 28 16 16-0032	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,668.35	328.41
26 28 16 16-0033	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,455.17	500.48
26 28 16 16-0034	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,492.56	808.09
26 28 16 16-0035	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	8,849.28	1,167.38
26 28 16 16-0036	EA	800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	14,118.90	1,386.74
26 28 16 16-0037	EA	1,200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	18,063.72	1,575.84
26 28 16 16-0038		**240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0003)*		
26 28 16 16-0039	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	655.13	197.93
26 28 16 16-0040	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	971.67	262.85
26 28 16 16-0041	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,300.13	291.85

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0042	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,207.01	456.99
26 28 16 16-0043	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,848.60	750.10
26 28 16 16-0044	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,852.00	1,050.77
26 28 16 16-0045	EA	800 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	13,029.15	1,323.71
26 28 16 16-0046	EA	1,200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	16,074.76	1,512.81
26 28 16 16-0047		**600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0003)*		
26 28 16 16-0048	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	966.55	218.72
26 28 16 16-0049	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,224.04	291.85
26 28 16 16-0050	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,810.58	328.41
26 28 16 16-0051	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,668.09	500.48
26 28 16 16-0052	EA	400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,946.82	808.09
26 28 16 16-0053	EA	600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	9,651.56	1,167.38
26 28 16 16-0054	EA	800 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	15,450.88	1,386.74
26 28 16 16-0055	EA	1,200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	19,502.54	1,575.84
26 28 16 16-0056		**Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0002)*		
26 28 16 16-0057		**240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0056)*		
26 28 16 16-0058	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	463.11	182.42
26 28 16 16-0059	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	720.93	253.77
26 28 16 16-0060	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	996.58	291.85
26 28 16 16-0061	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,560.75	466.95
26 28 16 16-0062	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,157.51	778.21
26 28 16 16-0063	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,173.74	1,061.24
26 28 16 16-0064	EA	800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,404.49	1,260.68
26 28 16 16-0065	EA	1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	9,787.60	1,471.34
26 28 16 16-0066		**600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0056)*		
26 28 16 16-0067	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	511.54	201.33
26 28 16 16-0068	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	816.58	284.79
26 28 16 16-0069	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,126.69	324.25
26 28 16 16-0070	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,748.54	507.55
26 28 16 16-0071	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,397.32	833.81
26 28 16 16-0072	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,722.43	1,167.26
26 28 16 16-0073	EA	800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	8,218.71	1,260.68
26 28 16 16-0074	EA	1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	10,902.65	1,471.34
26 28 16 16-0075		**240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0056)*		
26 28 16 16-0076	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	539.27	163.89
26 28 16 16-0077	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	826.88	228.18
26 28 16 16-0078	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,118.42	262.85

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0079	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,756.68	420.43
26 28 16 16-0080	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,526.15	700.31
26 28 16 16-0081	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,695.57	954.96
26 28 16 16-0082	EA	800 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	9,833.92	1,134.61
26 28 16 16-0083	EA	1,200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	12,824.61	1,323.71
26 28 16 16-0084		**480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0056)*		
26 28 16 16-0085	EA	30 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	588.22	180.90
26 28 16 16-0086	EA	60 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	909.00	256.55
26 28 16 16-0087	EA	100 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,219.15	291.85
26 28 16 16-0088	EA	200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,895.20	456.99
26 28 16 16-0089	EA	400 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,778.00	750.10
26 28 16 16-0090	EA	600 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,156.98	1,050.77
26 28 16 16-0091	EA	800 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	10,372.62	1,134.61
26 28 16 16-0092		**600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0056)*		
26 28 16 16-0093	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	628.38	181.15
26 28 16 16-0094	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	977.49	256.29
26 28 16 16-0095	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,330.55	291.85
26 28 16 16-0096	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,066.78	456.74
26 28 16 16-0097	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,018.01	750.35
26 28 16 16-0098	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,867.29	1,050.52
26 28 16 16-0099	EA	800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	11,183.49	1,134.61
26 28 16 16-0100	EA	1,200 Amperes, 600 Volt Class, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	14,641.36	1,323.71
26 28 16 16-0101		**240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0056)*		
26 28 16 16-0102	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	925.05	164.14
26 28 16 16-0103	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,116.21	228.44
26 28 16 16-0104	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,715.17	262.60
26 28 16 16-0105	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,572.84	420.18
26 28 16 16-0106		**480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0056)*		
26 28 16 16-0107	EA	30 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,001.65	180.90
26 28 16 16-0108	EA	60 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,219.03	256.55
26 28 16 16-0109	EA	100 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,858.55	291.85
26 28 16 16-0110	EA	200 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,769.68	456.99
26 28 16 16-0111		**600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0056)*		
26 28 16 16-0112	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,113.45	181.15
26 28 16 16-0113	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,342.34	256.29

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0114	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,080.29	291.85
26 28 16 16-0115	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,092.70	456.74
26 28 16 16-0116		General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0002)*		
		Note: Includes fuses and neutral bar.		
26 28 16 16-0117		240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0116)*		
26 28 16 16-0118	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	329.85	109.68
26 28 16 16-0119	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	450.38	131.99
26 28 16 16-0120	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	694.96	154.31
26 28 16 16-0121	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,288.26	243.44
26 28 16 16-0122	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,073.04	377.57
26 28 16 16-0123	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,753.56	558.86
26 28 16 16-0124		240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0116)*		
26 28 16 16-0125	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	454.87	172.34
26 28 16 16-0126	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	642.77	228.44
26 28 16 16-0127	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	893.86	253.77
26 28 16 16-0128	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,597.16	397.23
26 28 16 16-0129	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,625.85	652.53
26 28 16 16-0130	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,468.69	913.48
26 28 16 16-0131		240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0116)*		
26 28 16 16-0132	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	507.03	172.34
26 28 16 16-0133	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	726.87	228.44
26 28 16 16-0134	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	970.38	253.77
26 28 16 16-0135	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,789.96	397.23
26 28 16 16-0136	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,955.39	652.53
26 28 16 16-0137	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,677.58	913.48
26 28 16 16-0138		General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0002)*		
26 28 16 16-0139		240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0138)*		
26 28 16 16-0140	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	450.57	152.54
26 28 16 16-0141	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	600.94	175.36
26 28 16 16-0142	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,362.41	280.25
26 28 16 16-0143	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,927.93	466.45
26 28 16 16-0144	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,076.27	635.63
26 28 16 16-0145		240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0138)*		
26 28 16 16-0146	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	425.71	142.71
26 28 16 16-0147	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	583.18	198.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0148	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	890.31	228.44
26 28 16 16-0149	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,533.59	365.47
26 28 16 16-0150	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,214.30	609.15
26 28 16 16-0151	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,467.96	830.28
26 28 16 16-0152		NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0001)*		
26 28 16 16-0153		Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0152)* Note: With fuses, neutral bar, and hub if required.		
26 28 16 16-0154		240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0153)*		
26 28 16 16-0155	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	701.80	148.12
26 28 16 16-0156	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,118.96	177.76
26 28 16 16-0157	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,399.19	206.75
26 28 16 16-0158	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,047.54	315.17
26 28 16 16-0159	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,532.77	504.27
26 28 16 16-0160	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	7,953.45	672.57
26 28 16 16-0161	EA	800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	11,935.67	756.41
26 28 16 16-0162	EA	1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	15,821.19	882.48
26 28 16 16-0163		600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0153)*		
26 28 16 16-0164	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,210.34	197.42
26 28 16 16-0165	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,440.96	242.05
26 28 16 16-0166	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,048.09	277.98
26 28 16 16-0167	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,884.53	416.91
26 28 16 16-0168	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	6,287.04	682.15
26 28 16 16-0169	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	11,575.59	938.06
26 28 16 16-0170	EA	800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	17,032.09	1,080.15
26 28 16 16-0171	EA	1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	18,761.39	1,215.92
26 28 16 16-0172		240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0153)*		
26 28 16 16-0173	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	893.31	233.23
26 28 16 16-0174	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,420.65	308.87
26 28 16 16-0175	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,713.72	339.12
26 28 16 16-0176	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,540.06	525.08
26 28 16 16-0177	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,504.55	875.54
26 28 16 16-0178	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	9,195.04	1,167.38
26 28 16 16-0179		600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0153)*		
26 28 16 16-0180	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,370.85	276.47
26 28 16 16-0181	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,635.21	338.87
26 28 16 16-0182	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,192.12	389.05

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26 28 16 16-0183	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,183.59	583.69
26 28 16 16-0184	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	6,716.25	955.09
26 28 16 16-0185	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	12,149.88	1,313.24
26 28 16 16-0186	EA	800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	17,214.50	1,512.81
26 28 16 16-0187	EA	1,200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	20,611.31	1,701.91
26 28 16 16-0188		**240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0153)*		
26 28 16 16-0189	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	981.76	233.23
26 28 16 16-0190	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,423.22	308.87
26 28 16 16-0191	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,838.09	339.12
26 28 16 16-0192	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,623.01	525.08
26 28 16 16-0193	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,580.64	875.54
26 28 16 16-0194	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	10,031.99	1,167.38
26 28 16 16-0195	EA	800 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	16,772.05	1,323.71
26 28 16 16-0196	EA	1,200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	20,912.81	1,512.81
26 28 16 16-0197		**600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0153)*		
26 28 16 16-0198	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,421.60	276.72
26 28 16 16-0199	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,692.27	339.12
26 28 16 16-0200	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,318.93	388.92
26 28 16 16-0201	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,266.02	583.69
26 28 16 16-0202	EA	400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	7,014.25	954.96
26 28 16 16-0203	EA	600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	12,492.27	1,312.99
26 28 16 16-0204	EA	800 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	18,292.64	1,512.81
26 28 16 16-0205	EA	1,200 Amperes, 600 Volt Class, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	22,032.44	1,701.91
26 28 16 16-0206		**Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0152)*		
26 28 16 16-0207		**240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0206)*		
26 28 16 16-0208	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	666.79	129.73
26 28 16 16-0209	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,090.35	179.64
26 28 16 16-0210	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,435.12	206.00
26 28 16 16-0211	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,906.46	333.58
26 28 16 16-0212	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,253.93	556.46
26 28 16 16-0213	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	7,771.24	741.91
26 28 16 16-0214	EA	800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	12,518.45	882.85
26 28 16 16-0215	EA	1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	16,533.95	1,008.91
26 28 16 16-0216		**600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0206)*		
26 28 16 16-0217	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	750.89	142.96
26 28 16 16-0218	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,235.81	200.07

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0219	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,620.83	225.91
26 28 16 16-0220	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,116.90	350.21
26 28 16 16-0221	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,830.23	583.69
26 28 16 16-0222	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,391.50	778.21
26 28 16 16-0223	EA	800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	13,351.43	924.84
26 28 16 16-0224	EA	1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	17,627.98	1,050.52
26 28 16 16-0225		240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0206)*		
26 28 16 16-0226	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	796.49	194.52
26 28 16 16-0227	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,269.93	269.40
26 28 16 16-0228	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,641.10	308.99
26 28 16 16-0229	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,239.97	500.36
26 28 16 16-0230	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,874.07	834.56
26 28 16 16-0231	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,637.91	1,112.54
26 28 16 16-0232	EA	800 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	13,540.62	1,323.71
26 28 16 16-0233	EA	1,200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	17,939.22	1,512.81
26 28 16 16-0234		480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0206)*		
26 28 16 16-0235	EA	30 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	865.29	214.32
26 28 16 16-0236	EA	60 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,383.74	300.17
26 28 16 16-0237	EA	100 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,773.99	338.87
26 28 16 16-0238	EA	200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,378.52	525.33
26 28 16 16-0239	EA	400 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,184.59	875.41
26 28 16 16-0240	EA	600 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	9,204.73	1,167.26
26 28 16 16-0241	EA	800 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	14,444.53	1,386.74
26 28 16 16-0242	EA	1,200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	19,128.48	1,575.84
26 28 16 16-0243		600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0206)*		
26 28 16 16-0244	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	461.81	214.32
26 28 16 16-0245	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,435.93	300.17
26 28 16 16-0246	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,846.76	338.87
26 28 16 16-0247	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,467.08	525.33
26 28 16 16-0248	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,413.88	875.41
26 28 16 16-0249	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	9,169.69	1,167.26
26 28 16 16-0250	EA	800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	14,424.90	1,386.74
26 28 16 16-0251	EA	1,200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	19,101.77	1,575.84
26 28 16 16-0252		General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0152)* Note: With fuses, neutral bar, and hub if required.		
26 28 16 16-0253		240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0252)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0254	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	427.37	128.84
26 28 16 16-0255	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	604.39	154.56
26 28 16 16-0256	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	796.06	179.77
26 28 16 16-0257	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,637.31	274.07
26 28 16 16-0258	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,016.73	438.46
26 28 16 16-0259	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	7,129.41	584.95
26 28 16 16-0260		240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0252)*		
26 28 16 16-0261	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	576.41	203.09
26 28 16 16-0262	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	833.07	268.65
26 28 16 16-0263	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,025.49	294.75
26 28 16 16-0264	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,003.82	456.74
26 28 16 16-0265	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,664.66	761.20
26 28 16 16-0266	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	7,999.93	1,015.35
26 28 16 16-0267		240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0252)*		
26 28 16 16-0268	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	649.52	202.97
26 28 16 16-0269	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	906.40	268.65
26 28 16 16-0270	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,261.53	294.75
26 28 16 16-0271	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,156.26	456.74
26 28 16 16-0272	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,762.59	761.32
26 28 16 16-0273	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,764.37	1,015.35
26 28 16 16-0274	EA	800 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	12,539.95	1,150.23
26 28 16 16-0275		General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0152)*		
26 28 16 16-0276		240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0275)*		
26 28 16 16-0277	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	385.82	112.83
26 28 16 16-0278	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	632.85	156.20
26 28 16 16-0279	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	664.45	179.14
26 28 16 16-0280	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,669.83	289.96
26 28 16 16-0281	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,108.34	483.85
26 28 16 16-0282	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	7,253.11	645.09
26 28 16 16-0283		240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0275)*		
26 28 16 16-0284	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	604.29	169.18
26 28 16 16-0285	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	870.37	234.24
26 28 16 16-0286	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,278.13	268.65
26 28 16 16-0287	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,198.44	435.05
26 28 16 16-0288		NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0001)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0289		Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0288)*		
		Note: With fuses and neutral bar (stainless steel).		
26 28 16 16-0290		240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0289)*		
26 28 16 16-0291	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,877.45	126.07
26 28 16 16-0292	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,255.27	151.91
26 28 16 16-0293	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,607.95	177.51
26 28 16 16-0294	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,371.54	280.13
26 28 16 16-0295	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	12,960.28	434.68
26 28 16 16-0296	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	18,628.48	642.70
26 28 16 16-0297		600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0289)*		
26 28 16 16-0298	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,383.57	140.06
26 28 16 16-0299	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,649.95	168.68
26 28 16 16-0300	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,981.84	197.17
26 28 16 16-0301	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,039.06	311.38
26 28 16 16-0302	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	13,457.67	483.35
26 28 16 16-0303	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	19,295.28	714.05
26 28 16 16-0304		240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0289)*		
26 28 16 16-0305	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,106.78	198.18
26 28 16 16-0306	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,639.85	262.60
26 28 16 16-0307	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,046.98	291.85
26 28 16 16-0308	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,172.22	456.74
26 28 16 16-0309	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	13,991.70	750.35
26 28 16 16-0310	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	19,968.37	1,050.52
26 28 16 16-0311		600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0289)*		
26 28 16 16-0312	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,547.71	218.86
26 28 16 16-0313	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,903.37	291.85
26 28 16 16-0314	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,258.30	328.28
26 28 16 16-0315	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,436.75	500.23
26 28 16 16-0316	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	14,448.11	808.09
26 28 16 16-0317	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	20,558.15	1,167.26
26 28 16 16-0318		240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0289)*		
26 28 16 16-0319	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,520.34	198.18
26 28 16 16-0320	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,156.86	262.60
26 28 16 16-0321	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,081.50	291.85
26 28 16 16-0322	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,586.88	456.74
26 28 16 16-0323	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	16,775.94	750.35

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0324	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	23,794.59	1,050.52
26 28 16 16-0325		**600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0289)*		
26 28 16 16-0326	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,036.39	218.86
26 28 16 16-0327	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,457.52	291.85
26 28 16 16-0328	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,314.28	328.28
26 28 16 16-0329	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,863.24	500.23
26 28 16 16-0330	EA	400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	17,269.91	808.09
26 28 16 16-0331	EA	600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	24,436.53	1,167.26
26 28 16 16-0332		**Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0288)*		
26 28 16 16-0333		**240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0332)*		
26 28 16 16-0334	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,801.13	126.07
26 28 16 16-0335	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,191.31	175.36
26 28 16 16-0336	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,130.78	201.71
26 28 16 16-0337	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,729.36	322.22
26 28 16 16-0338	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	10,432.91	536.54
26 28 16 16-0339	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	14,944.14	730.94
26 28 16 16-0340		**600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0332)*		
26 28 16 16-0341	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,048.50	139.06
26 28 16 16-0342	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,496.65	196.67
26 28 16 16-0343	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,708.06	224.15
26 28 16 16-0344	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,511.77	350.21
26 28 16 16-0345	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	11,849.70	576.38
26 28 16 16-0346	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	17,022.14	806.83
26 28 16 16-0347		**240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0332)*		
26 28 16 16-0348	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,877.29	164.14
26 28 16 16-0349	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,267.99	228.44
26 28 16 16-0350	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,365.77	262.60
26 28 16 16-0351	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,567.79	420.18
26 28 16 16-0352	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,485.59	700.43
26 28 16 16-0353	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	15,836.40	955.09
26 28 16 16-0354		**600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0332)*		
26 28 16 16-0355	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,132.54	181.15
26 28 16 16-0356	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,615.89	256.29
26 28 16 16-0357	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,843.46	291.85

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0358	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,724.77	456.74
26 28 16 16-0359	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	13,434.13	750.35
26 28 16 16-0360	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	18,016.89	1,050.52
26 28 16 16-0361		240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0332)*		
26 28 16 16-0362	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,584.32	164.14
26 28 16 16-0363	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,097.29	228.44
26 28 16 16-0364	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,981.68	262.60
26 28 16 16-0365	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	10,649.57	420.18
26 28 16 16-0366		600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0332)*		
26 28 16 16-0367	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,940.57	181.15
26 28 16 16-0368	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,530.21	256.29
26 28 16 16-0369	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,962.39	291.85
26 28 16 16-0370	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	12,123.95	456.74
26 28 16 16-0371		Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0288)*		
26 28 16 16-0372		600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0371)*		
26 28 16 16-0373	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,419.32	218.72
26 28 16 16-0374	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,895.60	291.85
26 28 16 16-0375	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,011.48	328.41
26 28 16 16-0376	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	9,122.90	500.48
26 28 16 16-0377		600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0371)*		
26 28 16 16-0378	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,203.07	180.90
26 28 16 16-0379	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,669.69	256.55
26 28 16 16-0380	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,629.07	291.85
26 28 16 16-0381	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	9,008.01	456.99
26 28 16 16-0382		Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0288)*		
26 28 16 16-0383		600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0382)*		
26 28 16 16-0384	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,911.37	218.72
26 28 16 16-0385	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,446.20	291.85
26 28 16 16-0386	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,052.74	328.41
26 28 16 16-0387		600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0382)*		
26 28 16 16-0388	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,668.63	180.90
26 28 16 16-0389	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,191.02	256.55
26 28 16 16-0390	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,628.51	291.85

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0391		NEMA 7 Or 9 Enclosures, Neutral Kit, Safety Switches *(26 28 16 16-0001)* Note: Class 1, groups C and D, division 1 or 2, NEMA 7; Class 2, groups E, F and G, division 1 or 2, NEMA 9; or Class 3, division 1 Or 2, NEMA 9, hazardous locations as defined in NEC article 500.		
26 28 16 16-0392		Heavy-Duty Fusible, NEMA 7 Or 9 Enclosures, Neutral Kit, Safety Switches *(26 28 16 16-0391)* Note: With fuses and neutral bar.		
26 28 16 16-0393	EA	30 Amperes, 240 Volt, 3 Phase, Heavy-Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	3,089.72	252.14
26 28 16 16-0394	EA	60 Amperes, 240 Volt, 3 Phase, Heavy-Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	3,488.18	300.17
26 28 16 16-0395	EA	100 Amperes, 240 Volt, 3 Phase, Heavy-Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	3,868.02	338.87
26 28 16 16-0396	EA	200 Amperes, 240 Volt, 3 Phase, Heavy-Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	8,217.26	525.33
26 28 16 16-0397		Heavy-Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0391)*		
26 28 16 16-0398	EA	60 Amperes, 240 Volt, 3 Phase, Heavy-Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	2,394.87	300.17
26 28 16 16-0399	EA	100 Amperes, 240 Volt, 3 Phase, Heavy-Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	2,803.27	338.87
26 28 16 16-0400	EA	200 Amperes, 240 Volt, 3 Phase, Heavy-Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	5,158.20	525.33
26 28 16 16-0401		NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0001)*		
26 28 16 16-0402		Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0401)* Note: With fuses and neutral bar.		
26 28 16 16-0403		240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0402)*		
26 28 16 16-0404	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	681.39	126.07
26 28 16 16-0405	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	890.43	151.91
26 28 16 16-0406	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,216.46	177.76
26 28 16 16-0407	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,052.68	279.86
26 28 16 16-0408	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	4,388.42	434.93
26 28 16 16-0409	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	7,930.23	642.95
26 28 16 16-0410		600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0402)*		
26 28 16 16-0411	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,072.72	139.94
26 28 16 16-0412	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,104.87	168.93
26 28 16 16-0413	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,593.73	197.30
26 28 16 16-0414	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,493.31	311.38
26 28 16 16-0415	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,449.53	482.84
26 28 16 16-0416	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	10,792.04	714.17
26 28 16 16-0417		240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0402)*		
26 28 16 16-0418	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	945.88	197.93
26 28 16 16-0419	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,310.83	262.85
26 28 16 16-0420	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,792.72	291.85
26 28 16 16-0421	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,663.45	456.99
26 28 16 16-0422	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,235.37	750.10
26 28 16 16-0423	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	8,412.55	1,050.77
26 28 16 16-0424		600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0402)*		
26 28 16 16-0425	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,262.01	218.72
26 28 16 16-0426	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,426.94	291.85

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0427	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,108.58	328.41
26 28 16 16-0428	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,067.56	500.48
26 28 16 16-0429	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	6,441.39	808.09
26 28 16 16-0430	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	12,137.06	1,167.38
26 28 16 16-0431		**240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0402)*		
26 28 16 16-0432	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,011.49	197.93
26 28 16 16-0433	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,355.90	262.85
26 28 16 16-0434	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,934.19	291.85
26 28 16 16-0435	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,841.07	456.99
26 28 16 16-0436	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,710.93	750.10
26 28 16 16-0437	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	8,733.83	1,050.77
26 28 16 16-0438		**600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0402)*		
26 28 16 16-0439	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,338.08	218.72
26 28 16 16-0440	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,629.85	291.85
26 28 16 16-0441	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,248.10	328.41
26 28 16 16-0442	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,333.85	500.48
26 28 16 16-0443	EA	400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	6,872.54	808.09
26 28 16 16-0444	EA	600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	12,492.12	1,167.38
26 28 16 16-0445		**Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0401)*		
26 28 16 16-0446		**240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0445)*		
26 28 16 16-0447	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	713.32	182.17
26 28 16 16-0448	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	945.47	254.03
26 28 16 16-0449	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,255.49	291.85
26 28 16 16-0450	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,788.53	467.08
26 28 16 16-0451	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,943.85	778.46
26 28 16 16-0452	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	6,252.37	1,061.49
26 28 16 16-0453		**600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0445)*		
26 28 16 16-0454	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	795.17	201.08
26 28 16 16-0455	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,050.71	284.92
26 28 16 16-0456	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,399.34	323.99
26 28 16 16-0457	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,943.26	507.42
26 28 16 16-0458	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	4,175.43	833.93
26 28 16 16-0459	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	6,908.11	1,167.38
26 28 16 16-0460		**240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0445)*		
26 28 16 16-0461	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	918.54	163.89

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0462	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,207.46	228.18
26 28 16 16-0463	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,611.21	262.85
26 28 16 16-0464	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,295.99	420.43
26 28 16 16-0465	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	4,851.93	700.31
26 28 16 16-0466	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	7,669.24	954.96
26 28 16 16-0467		600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0445)*		
26 28 16 16-0468	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	897.41	180.90
26 28 16 16-0469	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,305.04	256.55
26 28 16 16-0470	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,724.95	291.85
26 28 16 16-0471	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,264.07	456.99
26 28 16 16-0472	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	4,867.64	750.10
26 28 16 16-0473	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	9,139.14	1,050.77
26 28 16 16-0474		240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0445)*		
26 28 16 16-0475	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,106.24	163.89
26 28 16 16-0476	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,314.21	228.18
26 28 16 16-0477	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,048.51	262.85
26 28 16 16-0478	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,248.08	420.43
26 28 16 16-0479	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,894.01	535.79
26 28 16 16-0480		600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0445)*		
26 28 16 16-0481	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,148.50	180.90
26 28 16 16-0482	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,431.86	256.55
26 28 16 16-0483	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,187.81	291.85
26 28 16 16-0484	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,335.61	456.99
26 28 16 16-0485	EA	400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	6,259.08	705.98
26 28 16 16-0486		Double Throw Safety Switches *(26 28 16 16-0001)*		
26 28 16 16-0487		NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0486)*		
26 28 16 16-0488		240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0487)*		
26 28 16 16-0489	EA	30 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	855.11	161.99
26 28 16 16-0490	EA	60 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,264.72	211.79
26 28 16 16-0491	EA	100 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,775.07	276.72
26 28 16 16-0492	EA	200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,367.55	359.92
26 28 16 16-0493	EA	400 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	5,735.28	450.06
26 28 16 16-0494	EA	600 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	10,439.48	721.73
26 28 16 16-0495	EA	800 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	11,965.93	1,008.54
26 28 16 16-0496	EA	1,000 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	17,653.47	1,134.61
26 28 16 16-0497	EA	1,200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	20,805.03	1,260.68
26 28 16 16-0498		240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0487)*		
26 28 16 16-0499	EA	30 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,077.83	226.92
26 28 16 16-0500	EA	60 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,505.64	296.26
26 28 16 16-0501	EA	100 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,269.60	387.65
26 28 16 16-0502	EA	200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,336.33	504.27

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0503	EA	400 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	7,902.59	630.34
26 28 16 16-0504	EA	600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	11,020.25	1,008.54
26 28 16 16-0505	EA	800 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	12,903.20	1,134.61
26 28 16 16-0506	EA	1,000 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	18,474.80	1,260.68
26 28 16 16-0507	EA	1,200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	21,909.62	1,386.74
26 28 16 16-0508	EA	1,600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	25,376.16	1,638.87
26 28 16 16-0509	EA	2,000 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	28,881.01	1,891.01
26 28 16 16-0510	EA	2,600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	39,351.57	2,143.14
26 28 16 16-0511	EA	3,000 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	43,220.34	2,395.28

26 28 16 16-0512 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0487)*

26 28 16 16-0513	EA	30 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,433.11	283.65
26 28 16 16-0514	EA	60 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,087.29	370.64
26 28 16 16-0515	EA	100 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,713.74	484.10
26 28 16 16-0516	EA	200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	5,088.99	629.08
26 28 16 16-0517	EA	400 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	10,282.47	787.92
26 28 16 16-0518	EA	600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	12,994.78	1,262.56
26 28 16 16-0519	EA	800 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	16,458.16	1,386.74
26 28 16 16-0520	EA	1,000 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	21,915.39	1,449.77
26 28 16 16-0521	EA	1,200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	24,588.15	1,512.81
26 28 16 16-0522	EA	1,600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	30,015.89	1,764.94
26 28 16 16-0523	EA	2,000 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	34,538.73	2,017.08
26 28 16 16-0524	EA	2,600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	49,094.07	2,269.21
26 28 16 16-0525	EA	3,000 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	54,281.18	2,521.35

26 28 16 16-0526 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0487)*

26 28 16 16-0527	EA	60 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,462.47	211.79
26 28 16 16-0528	EA	100 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,201.46	276.72
26 28 16 16-0529	EA	200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,247.71	359.92
26 28 16 16-0530	EA	400 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	7,681.15	450.06
26 28 16 16-0531	EA	600 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	11,350.57	721.73
26 28 16 16-0532	EA	800 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	12,960.86	1,008.54
26 28 16 16-0533	EA	1,000 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	19,191.89	1,134.61
26 28 16 16-0534	EA	1,200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	22,633.40	1,260.68

26 28 16 16-0535 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0487)*

26 28 16 16-0536	EA	60 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,631.21	296.26
26 28 16 16-0537	EA	100 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,422.68	387.65
26 28 16 16-0538	EA	200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,535.20	504.27
26 28 16 16-0539	EA	400 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	8,041.41	630.34
26 28 16 16-0540	EA	600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	11,925.98	1,008.54
26 28 16 16-0541	EA	800 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	13,966.60	1,134.61
26 28 16 16-0542	EA	1,000 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	19,234.48	1,260.68
26 28 16 16-0543	EA	1,200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	23,823.25	1,386.74
26 28 16 16-0544	EA	1,600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	28,801.42	1,638.87
26 28 16 16-0545	EA	2,000 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	32,771.34	1,891.01
26 28 16 16-0546	EA	2,600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	39,351.51	2,143.14
26 28 16 16-0547	EA	3,000 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	47,063.31	2,395.28

26 28 16 16-0548 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0487)*

26 28 16 16-0549	EA	60 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,211.04	370.64
26 28 16 16-0550	EA	100 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,892.84	484.10
26 28 16 16-0551	EA	200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	5,458.74	629.08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0552	EA	400 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	11,070.84	787.92
26 28 16 16-0553	EA	600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	13,877.87	1,262.56
26 28 16 16-0554	EA	800 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	17,826.63	1,386.74
26 28 16 16-0555	EA	1,000 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	23,816.98	1,449.77
26 28 16 16-0556	EA	1,200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	26,744.40	1,512.81
26 28 16 16-0557	EA	1,600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	32,664.49	1,764.94
26 28 16 16-0558	EA	2,000 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	37,589.19	2,017.08
26 28 16 16-0559	EA	2,600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	53,549.64	2,269.21
26 28 16 16-0560	EA	3,000 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	59,205.03	2,521.35
26 28 16 16-0561		**NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0486)*		
26 28 16 16-0562		**240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0561)*		
26 28 16 16-0563	EA	100 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,223.39	276.72
26 28 16 16-0564	EA	200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	5,119.27	359.92
26 28 16 16-0565	EA	400 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	16,820.23	450.06
26 28 16 16-0566	EA	600 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	28,973.65	721.73
26 28 16 16-0567		**240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0561)*		
26 28 16 16-0568	EA	100 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,912.49	387.02
26 28 16 16-0569	EA	200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	4,711.08	503.64
26 28 16 16-0570	EA	400 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	17,330.50	630.34
26 28 16 16-0571	EA	600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	18,810.38	1,010.43
26 28 16 16-0572		**240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0561)*		
26 28 16 16-0573	EA	30 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,813.62	283.77
26 28 16 16-0574	EA	60 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,487.68	370.39
26 28 16 16-0575	EA	100 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	4,893.28	483.97
26 28 16 16-0576	EA	200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	7,081.28	629.33
26 28 16 16-0577	EA	400 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	12,044.39	787.92
26 28 16 16-0578	EA	600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	14,025.50	1,262.69
26 28 16 16-0579		**600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0561)*		
26 28 16 16-0580	EA	60 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	1,887.38	211.79
26 28 16 16-0581	EA	100 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,876.00	276.72
26 28 16 16-0582	EA	200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	5,245.95	359.92
26 28 16 16-0583	EA	400 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	10,111.65	450.06
26 28 16 16-0584	EA	600 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	13,504.08	721.73
26 28 16 16-0585		**600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0561)*		
26 28 16 16-0586	EA	60 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,133.99	296.26
26 28 16 16-0587	EA	100 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,219.74	387.02
26 28 16 16-0588	EA	200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	5,771.61	503.64
26 28 16 16-0589	EA	400 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	10,956.76	630.34
26 28 16 16-0590	EA	600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	14,713.46	1,010.43
26 28 16 16-0591		**600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0561)*		
26 28 16 16-0592	EA	60 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,516.35	370.39
26 28 16 16-0593	EA	100 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	4,906.43	483.97
26 28 16 16-0594	EA	200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	7,263.85	629.33
26 28 16 16-0595	EA	400 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	12,022.83	787.92
26 28 16 16-0596	EA	600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	14,144.32	1,262.69
26 28 16 16-0597		**NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0486)*		
26 28 16 16-0598		**240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0597)*		
26 28 16 16-0599	EA	30 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,256.42	162.12
26 28 16 16-0600	EA	60 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,553.90	211.67
26 28 16 16-0601	EA	100 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,887.10	276.59

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0602	EA	200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,970.44	359.67
26 28 16 16-0603	EA	400 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	7,434.77	450.19
26 28 16 16-0604	EA	600 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	10,898.61	721.48
26 28 16 16-0605		240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0597)*		
26 28 16 16-0606	EA	30 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,590.00	226.92
26 28 16 16-0607	EA	60 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,061.50	296.26
26 28 16 16-0608	EA	100 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,630.53	387.02
26 28 16 16-0609	EA	200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	5,064.43	503.64
26 28 16 16-0610	EA	400 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	9,251.67	630.34
26 28 16 16-0611	EA	600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	12,212.30	1,010.43
26 28 16 16-0612		240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0597)*		
26 28 16 16-0613	EA	30 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,873.65	283.77
26 28 16 16-0614	EA	60 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,529.39	370.39
26 28 16 16-0615	EA	100 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	6,211.67	483.97
26 28 16 16-0616	EA	200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	8,440.15	629.33
26 28 16 16-0617	EA	400 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	15,651.85	787.92
26 28 16 16-0618	EA	600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	19,426.70	1,262.69
26 28 16 16-0619		600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0597)*		
26 28 16 16-0620	EA	60 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,374.20	211.67
26 28 16 16-0621	EA	100 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,544.21	276.59
26 28 16 16-0622	EA	200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	6,731.56	359.67
26 28 16 16-0623	EA	400 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	9,719.14	450.19
26 28 16 16-0624	EA	600 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	13,041.63	721.48
26 28 16 16-0625		600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0597)*		
26 28 16 16-0626	EA	60 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,698.80	296.26
26 28 16 16-0627	EA	100 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,923.00	387.02
26 28 16 16-0628	EA	200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	7,335.17	503.64
26 28 16 16-0629	EA	400 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	10,543.22	630.34
26 28 16 16-0630	EA	600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	14,226.18	1,010.43
26 28 16 16-0631		600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0597)*		
26 28 16 16-0632	EA	60 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,576.12	370.39
26 28 16 16-0633	EA	100 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	6,556.40	483.97
26 28 16 16-0634	EA	200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	8,643.34	629.33
26 28 16 16-0635	EA	400 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	16,089.20	787.92
26 28 16 16-0636	EA	600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	20,006.41	1,262.69
26 28 16 16-0637		Removal And Reinstallation Of Disconnect (Safety) Switches *(26 28 16 16-0001)* Note: Includes storage and cleaning.		
26 28 16 16-0638	EA	Removal And Reinstallation Of Up To 100 Amperes Safety Disconnect Switch	630.34	
26 28 16 16-0639	EA	Removal And Reinstallation Of >100 To 200 Amperes Safety Disconnect Switch	819.47	
26 28 16 16-0640	EA	Removal And Reinstallation Of >200 To 300 Amperes Safety Disconnect Switch	914.06	
26 28 16 16-0641	EA	Removal And Reinstallation Of >300 To 400 Amperes Safety Disconnect Switch	1,071.64	
26 28 16 16-0642		Bolted Contact Switches *(26 28 16 16)* Note: Work includes mounting, material handling, uploading at job site and termination of all conductors entering and leaving the switch.		
26 28 16 16-0643		Electrical Trip, Bolted Contact Switches *(26 28 16 16-0642)*		
26 28 16 16-0644		Top Feed, Electrical Trip, Bolted Contact Switches *(26 28 16 16-0643)*		
26 28 16 16-0645	EA	800 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB0833T120480)	10,414.65	1,260.68
26 28 16 16-0646	EA	1,200 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1233T120480)	11,257.58	1,512.81
26 28 16 16-0647	EA	1,600 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1633T120480)	12,237.27	1,764.94
26 28 16 16-0648	EA	2,000 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2033T120480)	12,904.35	2,017.08
26 28 16 16-0649	EA	2,500 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2533T120480)	14,574.39	2,269.21
26 28 16 16-0650	EA	3,000 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB3033T120480)	18,315.43	2,521.35
26 28 16 16-0651	EA	4,000 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB4033T120480)	24,729.45	3,025.62
26 28 16 16-0652		Bottom Feed, Electrical Trip, Bolted Contact Switches *(26 28 16 16-0643)*		
26 28 16 16-0653	EA	800 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB0833B120480)	11,046.38	1,260.68
26 28 16 16-0654	EA	1,200 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1233B120480)	12,013.04	1,512.81

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0655	EA	1,600 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1633B120480)	12,986.22	1,764.94
26 28 16 16-0656	EA	2,000 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2033B120480)	13,978.93	2,017.08
26 28 16 16-0657	EA	2,500 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2533B120480)	15,733.63	2,269.21
26 28 16 16-0658	EA	3,000 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB3033B120480)	20,490.65	2,521.35
26 28 16 16-0659	EA	4,000 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB4033B120480)	26,995.84	3,025.62

26 28 16 16-0660 Manually Operated, Bolted Contact Switches *(26 28 16 16-0642)*

26 28 16 16-0661 Top Feed, Manually Operated, Bolted Contact Switches *(26 28 16 16-0660)*

26 28 16 16-0662	EA	800 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA0833T480)	7,575.15	1,260.68
26 28 16 16-0663	EA	1,200 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA1233T480)	8,451.94	1,512.81
26 28 16 16-0664	EA	1,600 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA1633T480)	9,382.13	1,764.94
26 28 16 16-0665	EA	2,000 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA2033T480)	10,304.51	2,017.08
26 28 16 16-0666	EA	2,500 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA2533T480)	11,292.02	2,269.21
26 28 16 16-0667	EA	3,000 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA3033T480)	15,033.07	2,521.35
26 28 16 16-0668	EA	4,000 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA4033T480)	21,368.93	3,025.62

26 28 16 16-0669 Bottom Feed, Manually Operated, Bolted Contact Switches *(26 28 16 16-0660)*

26 28 16 16-0670	EA	800 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA0833B480)	7,993.26	1,260.68
26 28 16 16-0671	EA	1,200 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA1233B480)	9,083.66	1,512.81
26 28 16 16-0672	EA	1,600 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA1633B480)	9,994.32	1,764.94
26 28 16 16-0673	EA	2,000 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA2033B480)	11,113.37	2,017.08
26 28 16 16-0674	EA	2,500 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA2533B480)	12,307.99	2,269.21
26 28 16 16-0675	EA	3,000 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA3033B480)	17,045.47	2,521.35
26 28 16 16-0676	EA	4,000 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA4033B480)	23,479.02	3,025.62

26 29 Low-Voltage Controllers *(26 20)*

26 29 13 Enclosed Controllers *(26 29)*

26 29 13 13 Across-The-Line Motor Controllers *(26 29 13)*

26 29 13 13-0001 Manual Motor Starters *(26 29 13 13)*

26 29 13 13-0002 Fractional HP Manual Motor Starters *(26 29 13 13-0001)*

26 29 13 13-0003	EA	NEMA 1, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG1)	245.99	63.13
		For Flush Cover Plate In Lieu Of NEMA 1, Deduct	*-3.34*	
		For Oversized Enclosure, Add	*33.41*	
		For Pilot Light, Add	*49.00*	
26 29 13 13-0004	EA	NEMA 1, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG2)	322.29	82.07
		For Flush Cover Plate In Lieu Of NEMA 1, Deduct	*-3.34*	
		For Oversized Enclosure, Add	*33.41*	
		For Pilot Light, Add	*49.00*	
26 29 13 13-0005	EA	NEMA 1, 1 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG3)	279.39	63.13
		For Flush Cover Plate In Lieu Of NEMA 1, Deduct	*-3.34*	
		For Oversized Enclosure, Add	*33.41*	
		For Pilot Light, Add	*49.00*	
26 29 13 13-0006	EA	NEMA 1, 2 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG4)	355.70	82.07
		For Flush Cover Plate In Lieu Of NEMA 1, Deduct	*-3.34*	
		For Oversized Enclosure, Add	*33.41*	
		For Pilot Light, Add	*49.00*	
26 29 13 13-0007	EA	NEMA 1, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG5)	260.46	63.13
		For Oversized Enclosure, Add	*33.41*	
26 29 13 13-0008	EA	NEMA 1, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG6)	341.22	82.07
		For Oversized Enclosure, Add	*33.41*	
26 29 13 13-0009	EA	NEMA 4, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW1)	531.81	75.76
		For Pilot Light, Add	*128.06*	
26 29 13 13-0010	EA	NEMA 4, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW2)	611.46	94.70
		For Pilot Light, Add	*128.06*	
26 29 13 13-0011	EA	NEMA 3R, 7 And 9, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR1)	565.21	75.76
26 29 13 13-0012	EA	NEMA 3R, 7 And 9, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR2)	641.52	94.70

26 29 13 13-0013 Non-Reversing Manual Motor Starters *(26 29 13 13-0001)*

26 29 13 13-0014	EA	NEMA 1, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG1) Note: NEMA 1 or flush cover plate installation.	197.19	63.13
		For Oversize Enclosure, Add	*16.12*	
		For Pilot Light, Add	*77.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0015	EA	NEMA 1, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG2) Note: NEMA 1 or flush cover plate installation.	324.25	82.07
		For Oversize Enclosure, Add	*16.12*	
		For Pilot Light, Add	*77.36*	
26 29 13 13-0016	EA	NEMA 1, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG5) Note: NEMA 1 or flush cover plate installation.	222.70	69.45
		For Oversize Enclosure, Add	*16.12*	
		For Pilot Light, Add	*77.36*	
26 29 13 13-0017	EA	NEMA 1, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG6) Note: NEMA 1 or flush cover plate installation.	350.84	88.39
		For Oversize Enclosure, Add	*16.12*	
		For Pilot Light, Add	*77.36*	
26 29 13 13-0018	EA	NEMA 1, Non-Reversing, 2 Pole, Key Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG3) Note: NEMA 1 or flush cover plate installation.	228.35	63.13
		For Oversize Enclosure, Add	*16.12*	
		For Pilot Light, Add	*77.36*	
26 29 13 13-0019	EA	NEMA 1, Non-Reversing, 3 Pole, Key Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG4) Note: NEMA 1 or flush cover plate installation.	356.48	82.07
		For Oversize Enclosure, Add	*16.12*	
		For Pilot Light, Add	*77.36*	
26 29 13 13-0020	EA	NEMA 4, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW1)	488.91	75.76
		For Pilot Light, Add	*122.49*	
26 29 13 13-0021	EA	NEMA 4, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW2)	604.15	94.70
		For Pilot Light, Add	*122.49*	
26 29 13 13-0022	EA	NEMA 4, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW5)	515.51	82.07
		For Pilot Light, Add	*122.49*	
26 29 13 13-0023	EA	NEMA 4, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW6)	627.52	101.01
		For Pilot Light, Add	*122.49*	
26 29 13 13-0024	EA	NEMA 3R, 7 And 9, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR1)	518.99	75.76
26 29 13 13-0025	EA	NEMA 3R, 7 And 9, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR2)	642.83	94.70
26 29 13 13-0026	EA	Open Type, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO1)	144.26	44.19
		For Pilot Light, Add	*77.36*	
26 29 13 13-0027	EA	Open Type, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO2)	271.32	63.13
		For Pilot Light, Add	*77.36*	
26 29 13 13-0028	EA	Open Type, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO5)	169.78	50.51
		For Pilot Light, Add	*77.36*	
26 29 13 13-0029	EA	Open Type, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO6)	296.84	69.45
		For Pilot Light, Add	*77.36*	

26 29 13 13-0030 Reversing Manual Motor Starters *(26 29 13 13-0001)*

26 29 13 13-0031	EA	NEMA 1, Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG11)	535.66	113.64
		For Pilot Light, Add	*124.64*	
26 29 13 13-0032	EA	NEMA 1, Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG22)	776.89	151.52
		For Pilot Light, Add	*124.64*	

26 29 13 13-0033 Two Speed Manual Motor Starters *(26 29 13 13-0001)*

26 29 13 13-0034	EA	NEMA 1, Two Speed, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG11)	535.66	113.64
26 29 13 13-0035	EA	NEMA 1, Two Speed, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG22)	776.89	151.52

26 29 13 13-0036 Non-Reversing Integral HP Manual Motor Starters *(26 29 13 13-0001)*

26 29 13 13-0037	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG1)	493.40	75.76
26 29 13 13-0038	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG1)	493.40	75.76
26 29 13 13-0039	EA	NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW11)	1,026.43	88.39
26 29 13 13-0040	EA	NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW1)	1,026.43	88.39
26 29 13 13-0041	EA	NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR1)	1,342.68	88.39
26 29 13 13-0042	EA	Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA1)	628.89	88.39

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0043	EA	Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO1)	422.11	56.82
26 29 13 13-0044	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG1)	586.21	82.07
26 29 13 13-0045	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG1)	586.21	82.07
26 29 13 13-0046	EA	NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW11)	1,229.48	94.70
26 29 13 13-0047	EA	NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW1)	1,229.48	94.70
26 29 13 13-0048	EA	NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR1)	1,570.22	94.70
26 29 13 13-0049	EA	Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA1)	721.70	94.70
26 29 13 13-0050	EA	Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO1)	514.92	63.13
26 29 13 13-0051	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG2)	771.43	88.39
26 29 13 13-0052	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG2)	771.43	88.39
26 29 13 13-0053	EA	NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW12)	1,462.59	101.01
26 29 13 13-0054	EA	NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW2)	1,462.59	101.01
26 29 13 13-0055	EA	NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR2)	1,788.86	101.01
26 29 13 13-0056	EA	Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA2)	910.27	101.01
26 29 13 13-0057	EA	Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO2)	703.48	69.45
26 29 13 13-0058	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG2)	610.91	94.70
26 29 13 13-0059	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG2)	610.91	94.70
26 29 13 13-0060	EA	NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW12)	1,143.94	107.33
26 29 13 13-0061	EA	NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW2)	1,143.94	107.33
26 29 13 13-0062	EA	NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR2)	1,469.10	107.33
26 29 13 13-0063	EA	Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA2)	747.51	107.33
26 29 13 13-0064	EA	Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO2)	542.96	75.76
26 29 13 13-0065	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG3)	703.71	101.01
26 29 13 13-0066	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG3)	703.71	101.01
26 29 13 13-0067	EA	NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW13)	1,346.99	113.64
26 29 13 13-0068	EA	NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW3)	1,346.99	113.64
26 29 13 13-0069	EA	NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR3)	1,695.53	113.64
26 29 13 13-0070	EA	Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA3)	839.21	113.64
26 29 13 13-0071	EA	Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO3)	632.43	82.07
26 29 13 13-0072		**Reversing Integral HP Manual Motor Starters** *(26 29 13 13-0001)*		
26 29 13 13-0073	EA	NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBG1)	1,432.75	132.58
26 29 13 13-0074	EA	NEMA 1, Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511TBG1)	1,432.75	132.58
26 29 13 13-0075	EA	Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBO1)	1,262.34	94.70
26 29 13 13-0076	EA	NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCG1)	1,695.19	145.21
26 29 13 13-0077	EA	Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCO1)	1,524.77	107.33
26 29 13 13-0078		**Two Speed Integral HP Manual Motor Starters** *(26 29 13 13-0001)*		
26 29 13 13-0079	EA	NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBG1)	1,432.75	132.58
26 29 13 13-0080	EA	Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBO1)	1,262.34	94.70
26 29 13 13-0081	EA	NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCG1)	1,695.19	145.21
26 29 13 13-0082	EA	Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCO1)	1,524.77	107.33

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0083		Magnetic Motor Starters *(26 29 13 13)*		
26 29 13 13-0084		Non-Reversing, Magnetic Contactors *(26 29 13 13-0083)*		
26 29 13 13-0085		Open Enclosure, Non-Reversing, Magnetic Contactors *(26 29 13 13-0084)*		
26 29 13 13-0086	EA	Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SAO11)	572.12	126.27
		For Factory Installed Accessory, Deduct	*-252.53*	
26 29 13 13-0087	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SAO12)	644.15	138.89
		For Factory Installed Accessory, Deduct	*-277.79*	
26 29 13 13-0088	EA	Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO5)	618.89	126.27
		For Factory Installed Accessory, Deduct	*-252.53*	
26 29 13 13-0089	EA	Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO1)	692.03	138.89
		For Factory Installed Accessory, Deduct	*-277.79*	
26 29 13 13-0090	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO2)	764.05	151.52
		For Factory Installed Accessory, Deduct	*-303.04*	
26 29 13 13-0091	EA	Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO3)	965.64	189.40
		For Factory Installed Accessory, Deduct	*-378.80*	
26 29 13 13-0092	EA	Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO4)	1,216.23	227.28
		For Factory Installed Accessory, Deduct	*-454.56*	
26 29 13 13-0093	EA	Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO5)	722.10	138.89
		For Factory Installed Accessory, Deduct	*-277.79*	
26 29 13 13-0094	EA	Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO1)	794.12	151.52
		For Factory Installed Accessory, Deduct	*-303.04*	
26 29 13 13-0095	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO2)	868.36	164.15
		For Factory Installed Accessory, Deduct	*-328.29*	
26 29 13 13-0096	EA	Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO3)	1,108.95	220.97
		For Factory Installed Accessory, Deduct	*-441.93*	
26 29 13 13-0097	EA	Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO4)	1,358.42	258.85
		For Factory Installed Accessory, Deduct	*-517.69*	
26 29 13 13-0098	EA	Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDO1)	1,223.95	151.52
		For Factory Installed Accessory, Deduct	*-303.04*	
26 29 13 13-0099	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDO2)	1,360.95	189.40
		For Factory Installed Accessory, Deduct	*-378.80*	
26 29 13 13-0100	EA	Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDO3)	1,773.40	252.53
		For Factory Installed Accessory, Deduct	*-505.06*	
26 29 13 13-0101	EA	Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEO1)	1,837.55	189.40
		For Factory Installed Accessory, Deduct	*-378.80*	
26 29 13 13-0102	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEO2)	2,091.87	252.53
		For Factory Installed Accessory, Deduct	*-505.06*	
26 29 13 13-0103	EA	Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEO3)	2,661.34	315.66
		For Factory Installed Accessory, Deduct	*-631.33*	
26 29 13 13-0104	EA	Size 3, 3 Phase, 5 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEO4)	3,803.16	378.80
		For Factory Installed Accessory, Deduct	*-757.60*	
26 29 13 13-0105	EA	Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFO1)	4,152.38	315.66
		For Factory Installed Accessory, Deduct	*-631.33*	
26 29 13 13-0106	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFO2)	4,564.83	378.80
		For Factory Installed Accessory, Deduct	*-757.60*	
26 29 13 13-0107	EA	Size 4, 3 Phase, 4 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFO3)	6,181.03	441.93
		For Factory Installed Accessory, Deduct	*-883.86*	
26 29 13 13-0108	EA	Size 5, 1 Phase, 2 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGO1)	8,387.66	378.80
		For Factory Installed Accessory, Deduct	*-757.60*	
26 29 13 13-0109	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGO2)	9,307.21	505.06
		For Factory Installed Accessory, Deduct	*-1,010.13*	
26 29 13 13-0110	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SHO2)	24,163.71	757.60
		For Factory Installed Accessory, Deduct	*-1,515.18*	
26 29 13 13-0111	EA	Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SJO2)	34,596.97	1,136.39
		For Factory Installed Accessory, Deduct	*-2,272.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0112		**NEMA 1, Non-Reversing, Magnetic Contactors** *(26 29 13 13-0084)*		
26 29 13 13-0113	EA	Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SAG11)	606.64	126.27
		For Factory Installed Accessory, Deduct	*-252.53*	
26 29 13 13-0114	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SAG12)	678.67	138.89
		For Factory Installed Accessory, Deduct	*-277.79*	
26 29 13 13-0115	EA	Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG5)	653.41	126.27
		For Factory Installed Accessory, Deduct	*-252.53*	
26 29 13 13-0116	EA	Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG1)	727.67	138.89
		For Factory Installed Accessory, Deduct	*-277.79*	
26 29 13 13-0117	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG2)	799.68	151.52
		For Factory Installed Accessory, Deduct	*-303.04*	
26 29 13 13-0118	EA	Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG3)	1,003.50	189.40
		For Factory Installed Accessory, Deduct	*-378.80*	
26 29 13 13-0119	EA	Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG4)	1,255.20	227.28
		For Factory Installed Accessory, Deduct	*-454.56*	
26 29 13 13-0120	EA	Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG5)	758.84	138.89
		For Factory Installed Accessory, Deduct	*-277.79*	
26 29 13 13-0121	EA	Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG1)	833.09	151.52
		For Factory Installed Accessory, Deduct	*-303.04*	
26 29 13 13-0122	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG2)	905.11	164.15
		For Factory Installed Accessory, Deduct	*-328.29*	
26 29 13 13-0123	EA	Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG3)	1,146.81	220.97
		For Factory Installed Accessory, Deduct	*-441.93*	
26 29 13 13-0124	EA	Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG4)	1,395.17	258.85
		For Factory Installed Accessory, Deduct	*-517.69*	
26 29 13 13-0125	EA	Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDG1)	1,388.75	151.52
		For Factory Installed Accessory, Deduct	*-303.04*	
26 29 13 13-0126	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDG2)	1,526.87	189.40
		For Factory Installed Accessory, Deduct	*-378.80*	
26 29 13 13-0127	EA	Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDG3)	1,938.20	252.53
		For Factory Installed Accessory, Deduct	*-505.06*	
26 29 13 13-0128	EA	Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEG1)	2,161.60	189.40
		For Factory Installed Accessory, Deduct	*-378.80*	
26 29 13 13-0129	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEG2)	2,414.80	252.53
		For Factory Installed Accessory, Deduct	*-505.06*	
26 29 13 13-0130	EA	Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEG3)	2,985.38	315.66
		For Factory Installed Accessory, Deduct	*-631.33*	
26 29 13 13-0131	EA	Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFG1)	4,823.85	315.66
		For Factory Installed Accessory, Deduct	*-631.33*	
26 29 13 13-0132	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFG2)	5,236.31	378.80
		For Factory Installed Accessory, Deduct	*-757.60*	
26 29 13 13-0133	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGG2)	10,531.00	505.06
		For Factory Installed Accessory, Deduct	*-1,010.13*	
26 29 13 13-0134	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SHG2)	29,545.51	757.60
		For Factory Installed Accessory, Deduct	*-1,515.18*	
26 29 13 13-0135	EA	Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SJG2)	39,994.35	1,136.39
		For Factory Installed Accessory, Deduct	*-2,272.78*	
26 29 13 13-0136		**NEMA 12, Non-Reversing, Magnetic Contactors** *(26 29 13 13-0084)*		
26 29 13 13-0137	EA	Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBA1)	918.08	138.89
		For Factory Installed Accessory, Deduct	*-277.79*	
26 29 13 13-0138	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBA2)	990.10	151.52
		For Factory Installed Accessory, Deduct	*-303.04*	
26 29 13 13-0139	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCA2)	1,095.53	164.15
		For Factory Installed Accessory, Deduct	*-328.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0140	EA	Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDA1)	1,736.18	151.52
		For Factory Installed Accessory, Deduct	*-303.04*	
26 29 13 13-0141	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDA2)	1,875.41	189.40
		For Factory Installed Accessory, Deduct	*-378.80*	
26 29 13 13-0142	EA	Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEA1)	2,573.61	189.40
		For Factory Installed Accessory, Deduct	*-378.80*	
26 29 13 13-0143	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEA2)	2,825.70	252.53
		For Factory Installed Accessory, Deduct	*-505.06*	
26 29 13 13-0144	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFA2)	6,600.41	378.80
		For Factory Installed Accessory, Deduct	*-757.60*	
26 29 13 13-0145	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGA2)	14,021.99	505.06
		For Factory Installed Accessory, Deduct	*-1,010.13*	
26 29 13 13-0146	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SHA2)	33,826.00	757.60
		For Factory Installed Accessory, Deduct	*-1,515.18*	

26 29 13 13-0147 NEMA 4/4X, Non-Reversing, Magnetic Contactors *(26 29 13 13-0084)*

Note: Brushed stainless steel enclosure.

26 29 13 13-0148	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBW12)	1,355.35	151.52
		For Factory Installed Accessory, Deduct	*-303.04*	
26 29 13 13-0149	EA	Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCW11)	1,404.34	151.52
		For Factory Installed Accessory, Deduct	*-303.04*	
26 29 13 13-0150	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCW12)	1,476.36	164.15
		For Factory Installed Accessory, Deduct	*-328.29*	
26 29 13 13-0151	EA	Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCW13)	1,718.06	220.97
		For Factory Installed Accessory, Deduct	*-441.93*	
26 29 13 13-0152	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDW12)	2,669.38	189.40
		For Factory Installed Accessory, Deduct	*-378.80*	
26 29 13 13-0153	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEW12)	4,031.68	252.53
		For Factory Installed Accessory, Deduct	*-505.06*	
26 29 13 13-0154	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFW12)	7,996.80	378.80
		For Factory Installed Accessory, Deduct	*-757.60*	
26 29 13 13-0155	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGW12)	14,021.99	505.06
		For Factory Installed Accessory, Deduct	*-1,010.13*	
26 29 13 13-0156	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SHW2)	37,474.00	757.60
		For Factory Installed Accessory, Deduct	*-1,515.18*	

26 29 13 13-0157 NEMA 7/9, Non-Reversing, Magnetic Contactors *(26 29 13 13-0084)*

Note: Bolted cast iron enclosure.

26 29 13 13-0158	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 7/9 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBT2)	2,709.10	202.03
		For Factory Installed Accessory, Deduct	*-404.05*	

26 29 13 13-0159 Non-Reversing, Magnetic Starters *(26 29 13 13-0083)*

26 29 13 13-0160 Open Enclosure, Non-Reversing, Magnetic Starters *(26 29 13 13-0159)*

26 29 13 13-0161	EA	Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SAO11)	682.36	126.27
		For Factory Installed Accessory, Deduct	*-252.53*	
26 29 13 13-0162	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SAO12)	707.62	138.89
		For Factory Installed Accessory, Deduct	*-277.79*	
26 29 13 13-0163	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBO1)	762.19	138.89
		For Factory Installed Accessory, Deduct	*-277.79*	
26 29 13 13-0164	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBO2)	843.11	151.52
		For Factory Installed Accessory, Deduct	*-303.04*	
26 29 13 13-0165	EA	Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBO4)	1,355.42	227.28
		For Factory Installed Accessory, Deduct	*-454.56*	
26 29 13 13-0166	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCO1)	867.61	151.52
		For Factory Installed Accessory, Deduct	*-303.04*	
26 29 13 13-0167	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCO3)	1,018.69	164.15
		For Factory Installed Accessory, Deduct	*-328.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0168	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCO2)	1,065.46	164.15
		For Factory Installed Accessory, Deduct	*-328.29*	
26 29 13 13-0169	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDO6)	1,325.28	151.52
		For Factory Installed Accessory, Deduct	*-303.04*	
26 29 13 13-0170	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDO1)	1,504.60	189.40
		For Factory Installed Accessory, Deduct	*-378.80*	
26 29 13 13-0171	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEO1)	2,329.06	252.53
		For Factory Installed Accessory, Deduct	*-505.06*	
26 29 13 13-0172	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFO1)	4,930.08	378.80
		For Factory Installed Accessory, Deduct	*-757.60*	
26 29 13 13-0173	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SGO1)	11,201.36	505.06
		For Factory Installed Accessory, Deduct	*-1,010.13*	
26 29 13 13-0174	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SHO2)	25,741.62	757.60
		For Factory Installed Accessory, Deduct	*-1,515.18*	
26 29 13 13-0175	EA	Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SJO2)	37,082.42	1,136.39
		For Factory Installed Accessory, Deduct	*-2,272.78*	

26 29 13 13-0176 NEMA 1, Non-Reversing, Magnetic Starters *(26 29 13 13-0159)*

26 29 13 13-0177	EA	Size 00, 1 Phase, 2 Pole, .34 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SAG11)	719.11	126.27
		For Factory Installed Accessory, Deduct	*-252.53*	
26 29 13 13-0178	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SAG12)	744.37	138.89
		For Factory Installed Accessory, Deduct	*-277.79*	
26 29 13 13-0179	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBG1)	798.93	138.89
		For Factory Installed Accessory, Deduct	*-277.79*	
26 29 13 13-0180	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBG2)	879.86	151.52
		For Factory Installed Accessory, Deduct	*-303.04*	
26 29 13 13-0181	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCG1)	903.24	151.52
		For Factory Installed Accessory, Deduct	*-303.04*	
26 29 13 13-0182	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCG3)	985.29	164.15
		For Factory Installed Accessory, Deduct	*-328.29*	
26 29 13 13-0183	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCG2)	1,103.32	164.15
		For Factory Installed Accessory, Deduct	*-328.29*	
26 29 13 13-0184	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDG6)	1,491.20	151.52
		For Factory Installed Accessory, Deduct	*-303.04*	
26 29 13 13-0185	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDG1)	1,670.52	189.40
		For Factory Installed Accessory, Deduct	*-378.80*	
26 29 13 13-0186	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEG1)	2,653.10	252.53
		For Factory Installed Accessory, Deduct	*-505.06*	
26 29 13 13-0187	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFG1)	5,601.55	378.80
		For Factory Installed Accessory, Deduct	*-757.60*	
26 29 13 13-0188	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SGG1)	12,428.49	505.06
		For Factory Installed Accessory, Deduct	*-1,010.13*	

26 29 13 13-0189 NEMA 12, Non-Reversing, Magnetic Starters *(26 29 13 13-0159)*

26 29 13 13-0190	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBA1)	989.35	138.89
		For Factory Installed Accessory, Deduct	*-277.79*	
26 29 13 13-0191	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBA2)	1,070.28	151.52
		For Factory Installed Accessory, Deduct	*-303.04*	
26 29 13 13-0192	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCA1)	1,093.66	151.52
		For Factory Installed Accessory, Deduct	*-303.04*	
26 29 13 13-0193	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCA3)	1,175.70	164.15
		For Factory Installed Accessory, Deduct	*-328.29*	
26 29 13 13-0194	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCA2)	1,293.74	164.15
		For Factory Installed Accessory, Deduct	*-328.29*	
26 29 13 13-0195	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDA6)	1,839.74	151.52
		For Factory Installed Accessory, Deduct	*-303.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0196	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDA1)	2,017.95	189.40
		For Factory Installed Accessory, Deduct	*-378.80*	
26 29 13 13-0197	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEA1)	3,064.00	252.53
		For Factory Installed Accessory, Deduct	*-505.06*	
26 29 13 13-0198	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFA1)	6,964.54	378.80
		For Factory Installed Accessory, Deduct	*-757.60*	
26 29 13 13-0199	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SGA1)	15,916.14	505.06
		For Factory Installed Accessory, Deduct	*-1,010.13*	
26 29 13 13-0200	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SHA2)	37,958.40	757.60
		For Factory Installed Accessory, Deduct	*-1,515.18*	

26 29 13 13-0201 NEMA 3R, Non-Reversing, Magnetic Starters *(26 29 13 13-0159)*

26 29 13 13-0202	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBH1)	989.35	138.89
		For Factory Installed Accessory, Deduct	*-277.79*	
26 29 13 13-0203	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBH2)	1,070.28	151.52
		For Factory Installed Accessory, Deduct	*-303.04*	
26 29 13 13-0204	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCH1)	1,093.66	151.52
		For Factory Installed Accessory, Deduct	*-303.04*	
26 29 13 13-0205	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCH3)	1,175.70	164.15
		For Factory Installed Accessory, Deduct	*-328.29*	
26 29 13 13-0206	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCH2)	1,293.74	164.15
		For Factory Installed Accessory, Deduct	*-328.29*	
26 29 13 13-0207	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDH6)	1,839.74	151.52
		For Factory Installed Accessory, Deduct	*-303.04*	
26 29 13 13-0208	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDH1)	2,017.95	189.40
		For Factory Installed Accessory, Deduct	*-378.80*	
26 29 13 13-0209	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEH1)	3,064.00	252.53
		For Factory Installed Accessory, Deduct	*-505.06*	
26 29 13 13-0210	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFH1)	6,964.54	378.80
		For Factory Installed Accessory, Deduct	*-757.60*	

26 29 13 13-0211 NEMA 3R/4/4X/7/9, Non-Reversing, Magnetic Starters *(26 29 13 13-0159)*

Note: Bolted cast aluminum enclosure.

26 29 13 13-0212	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBT4)	2,823.44	214.65
		For Factory Installed Accessory, Deduct	*-429.30*	
26 29 13 13-0213	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCR1)	3,471.52	214.65
		For Factory Installed Accessory, Deduct	*-429.30*	
26 29 13 13-0214	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCR3)	3,576.96	227.28
		For Factory Installed Accessory, Deduct	*-454.56*	
26 29 13 13-0215	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDR1)	5,546.11	252.53
		For Factory Installed Accessory, Deduct	*-505.06*	
26 29 13 13-0216	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SET43)	6,687.94	315.66
		For Factory Installed Accessory, Deduct	*-631.33*	
26 29 13 13-0217	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFT41)	10,658.62	441.93
		For Factory Installed Accessory, Deduct	*-883.86*	

26 29 13 13-0218 NEMA 4/4X, Non-Reversing, Magnetic Starters *(26 29 13 13-0159)*

Note: Brushed stainless steel enclosure.

26 29 13 13-0219	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBW11)	1,353.48	138.89
		For Factory Installed Accessory, Deduct	*-277.79*	
26 29 13 13-0220	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBW12)	1,435.52	151.52
		For Factory Installed Accessory, Deduct	*-303.04*	
26 29 13 13-0221	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCW11)	1,474.50	151.52
		For Factory Installed Accessory, Deduct	*-303.04*	
26 29 13 13-0222	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCW13)	1,556.54	164.15
		For Factory Installed Accessory, Deduct	*-328.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0223	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 7-1/2 HP At 460/575 Volt, 36 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCW12)	1,674.57	164.15
		For Factory Installed Accessory, Deduct	*-328.29*	
26 29 13 13-0224	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDW16)	2,631.48	151.52
		For Factory Installed Accessory, Deduct	*-303.04*	
26 29 13 13-0225	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEW11)	4,268.87	252.53
		For Factory Installed Accessory, Deduct	*-505.06*	
26 29 13 13-0226	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFW11)	8,359.82	378.80
		For Factory Installed Accessory, Deduct	*-757.60*	
26 29 13 13-0227	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SGW11)	18,598.68	505.06
		For Factory Installed Accessory, Deduct	*-1,010.13*	

26 29 13 13-0228 NEMA 4X, Non-Reversing, Magnetic Starters *(26 29 13 13-0159)*

Note: Glass polyester enclosure.

26 29 13 13-0229	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDW21)	2,813.02	189.40
		For Factory Installed Accessory, Deduct	*-378.80*	
26 29 13 13-0230	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEW21)	5,210.93	252.53
		For Factory Installed Accessory, Deduct	*-505.06*	
26 29 13 13-0231	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFW21)	10,261.77	378.80
		For Factory Installed Accessory, Deduct	*-757.60*	

26 29 13 13-0232 NEMA 7/9, Non-Reversing, Magnetic Starters *(26 29 13 13-0159)*

Note: Bolted cast iron enclosure.

26 29 13 13-0233	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBT1)	2,732.49	202.03
		For Factory Installed Accessory, Deduct	*-404.05*	
26 29 13 13-0234	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBT2)	2,823.44	214.65
		For Factory Installed Accessory, Deduct	*-429.30*	
26 29 13 13-0235	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCT1)	2,863.52	214.65
		For Factory Installed Accessory, Deduct	*-429.30*	
26 29 13 13-0236	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCT3)	2,950.03	227.28
		For Factory Installed Accessory, Deduct	*-454.56*	
26 29 13 13-0237	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 36 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCT2)	3,085.88	227.28
		For Factory Installed Accessory, Deduct	*-454.56*	
26 29 13 13-0238	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDT1)	4,539.46	252.53
		For Factory Installed Accessory, Deduct	*-505.06*	

26 29 13 13-0239 Reversing, Magnetic Starters *(26 29 13 13-0083)*

26 29 13 13-0240 Open Enclosure, Reversing, Magnetic Starters *(26 29 13 13-0239)*

26 29 13 13-0241	EA	Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO13)	1,289.29	164.15
		For Factory Installed Accessory, Deduct	*-328.29*	
26 29 13 13-0242	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO16)	1,359.44	164.15
		For Factory Installed Accessory, Deduct	*-328.29*	
26 29 13 13-0243	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO1)	1,504.95	176.77
		For Factory Installed Accessory, Deduct	*-353.54*	
26 29 13 13-0244	EA	Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO2)	1,561.39	189.40
		For Factory Installed Accessory, Deduct	*-378.80*	
26 29 13 13-0245	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO10)	1,600.37	189.40
		For Factory Installed Accessory, Deduct	*-378.80*	
26 29 13 13-0246	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO2)	1,712.47	202.03
		For Factory Installed Accessory, Deduct	*-404.05*	
26 29 13 13-0247	EA	Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO3)	1,783.76	220.97
		For Factory Installed Accessory, Deduct	*-441.93*	
26 29 13 13-0248	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO7)	1,823.85	220.97
		For Factory Installed Accessory, Deduct	*-441.93*	
26 29 13 13-0249	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDO1)	3,120.79	252.53
		For Factory Installed Accessory, Deduct	*-505.06*	
26 29 13 13-0250	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEO1)	5,102.68	378.80
		For Factory Installed Accessory, Deduct	*-757.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0251	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFO1)	11,748.54	568.20
		For Factory Installed Accessory, Deduct	*-1,136.39*	
26 29 13 13-0252	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SGO1)	21,903.20	757.60
		For Factory Installed Accessory, Deduct	*-1,515.18*	
26 29 13 13-0253	EA	Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SJO1)	70,982.90	1,388.92
		For Factory Installed Accessory, Deduct	*-2,777.84*	

26 29 13 13-0254 NEMA 1, Reversing, Magnetic Starters *(26 29 13 13-0239)*

26 29 13 13-0255	EA	Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG13)	1,330.85	151.52
		For Factory Installed Accessory, Deduct	*-303.04*	
26 29 13 13-0256	EA	Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG15)	1,389.51	164.15
		For Factory Installed Accessory, Deduct	*-328.29*	
26 29 13 13-0257	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG16)	1,429.59	164.15
		For Factory Installed Accessory, Deduct	*-328.29*	
26 29 13 13-0258	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG1)	1,571.77	176.77
		For Factory Installed Accessory, Deduct	*-353.54*	
26 29 13 13-0259	EA	Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG2)	1,630.43	189.40
		For Factory Installed Accessory, Deduct	*-378.80*	
26 29 13 13-0260	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG4)	1,670.52	189.40
		For Factory Installed Accessory, Deduct	*-378.80*	
26 29 13 13-0261	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG2)	1,812.69	202.03
		For Factory Installed Accessory, Deduct	*-404.05*	
26 29 13 13-0262	EA	Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG6)	1,883.98	220.97
		For Factory Installed Accessory, Deduct	*-441.93*	
26 29 13 13-0263	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG8)	1,924.07	220.97
		For Factory Installed Accessory, Deduct	*-441.93*	
26 29 13 13-0264	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDG2)	3,381.36	252.53
		For Factory Installed Accessory, Deduct	*-505.06*	
26 29 13 13-0265	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEG2)	5,553.67	378.80
		For Factory Installed Accessory, Deduct	*-757.60*	
26 29 13 13-0266	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFG3)	12,577.02	568.20
		For Factory Installed Accessory, Deduct	*-1,136.39*	

26 29 13 13-0267 NEMA 12, Reversing, Magnetic Starters *(26 29 13 13-0239)*

26 29 13 13-0268	EA	Size 0, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA2)	1,915.50	189.40
		For Factory Installed Accessory, Deduct	*-378.80*	
26 29 13 13-0269	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA4)	1,955.59	189.40
		For Factory Installed Accessory, Deduct	*-378.80*	
26 29 13 13-0270	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCA4)	2,209.14	220.97
		For Factory Installed Accessory, Deduct	*-441.93*	
26 29 13 13-0271	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDA1)	3,857.97	252.53
		For Factory Installed Accessory, Deduct	*-505.06*	

26 29 13 13-0272 NEMA 4X, Reversing, Magnetic Starters *(26 29 13 13-0239)*

Note: Brushed stainless steel enclosure.

26 29 13 13-0273	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBW14)	2,398.78	189.40
		For Factory Installed Accessory, Deduct	*-378.80*	
26 29 13 13-0274	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCW11)	2,828.25	202.03
		For Factory Installed Accessory, Deduct	*-404.05*	

26 29 13 13-0275 Magnetic Contactor/Starters Accessories *(26 29 13 13-0083)*

26 29 13 13-0276	EA	NEMA 1 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA2)	178.87	15.78
		For Factory Installed Accessory, Deduct	*-31.57*	
26 29 13 13-0277	EA	NEMA 12 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA3)	304.59	15.78
		For Factory Installed Accessory, Deduct	*-31.57*	
26 29 13 13-0278	EA	NEMA 1 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC2)	178.87	15.78
		For Factory Installed Accessory, Deduct	*-31.57*	
26 29 13 13-0279	EA	NEMA 12 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC8)	304.59	15.78
		For Factory Installed Accessory, Deduct	*-31.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0280	EA	NEMA 1 And 12 Enclosure Red Pilot Light Kit, Contactor/Starter Accessory (Square D 9999SP2R)	304.59	15.78
		For Factory Installed Accessory, Deduct	*-31.57*	
26 29 13 13-0281	EA	Internal Non-Convertible Contact Block Kit, 1 Contact, Contactor/Starter Accessory (Square D 9999SX11)	150.96	12.63
		For Factory Installed Accessory, Deduct	*-25.25*	
26 29 13 13-0282	EA	External Convertible Field Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX6)	134.46	12.63
		For Factory Installed Accessory, Deduct	*-25.25*	
26 29 13 13-0283	EA	External Convertible Field Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX8)	178.87	15.78
		For Factory Installed Accessory, Deduct	*-31.57*	
26 29 13 13-0284	EA	External Field Non-Convertible Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX13)	150.96	12.63
		For Factory Installed Accessory, Deduct	*-25.25*	
26 29 13 13-0285	EA	External Field Non-Convertible Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX15)	201.73	15.78
		For Factory Installed Accessory, Deduct	*-31.57*	
26 29 13 13-0286	EA	30 Amperes, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB6)	225.88	12.63
		For Factory Installed Accessory, Deduct	*-25.25*	
26 29 13 13-0287	EA	45 Amperes, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB11)	389.69	12.63
		For Factory Installed Accessory, Deduct	*-25.25*	
26 29 13 13-0288	EA	60 Amperes, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB21)	413.82	12.63
		For Factory Installed Accessory, Deduct	*-25.25*	
26 29 13 13-0289	EA	30 Amperes, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB8)	495.06	15.78
		For Factory Installed Accessory, Deduct	*-31.57*	
26 29 13 13-0290	EA	45 Amperes, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB13)	864.59	15.78
		For Factory Installed Accessory, Deduct	*-31.57*	
26 29 13 13-0291	EA	60 Amperes, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB23)	864.59	15.78
		For Factory Installed Accessory, Deduct	*-31.57*	
26 29 13 13-0292	EA	Adapter Bracket For Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SBT1)	52.09	9.48
		For Factory Installed Accessory, Deduct	*-18.94*	
26 29 13 13-0293	EA	1 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF3)	106.52	12.63
		For Factory Installed Accessory, Deduct	*-25.25*	
26 29 13 13-0294	EA	2 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF4)	140.78	15.78
		For Factory Installed Accessory, Deduct	*-31.57*	
26 29 13 13-0295	EA	Transient Suppression Module, Contactor/Starter Accessory (Square D 9999ST1)	110.30	15.78
		For Factory Installed Accessory, Deduct	*-31.57*	
26 29 13 13-0296	EA	Terminal Block, Contactor/Starter Accessory (Square D 9999T7)	61.24	9.48
		For Factory Installed Accessory, Deduct	*-18.94*	
26 29 13 13-0297	EA	Closing Plate For NEMA 1 Enclosures, Contactor/Starter Accessory (Square D 9999SG1)	37.11	9.48
		For Factory Installed Accessory, Deduct	*-18.94*	
26 29 13 13-0298	EA	1 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R39)	196.68	12.63
		For Factory Installed Accessory, Deduct	*-25.25*	
26 29 13 13-0299	EA	2 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R40)	340.14	15.78
		For Factory Installed Accessory, Deduct	*-31.57*	

26 29 13 13-0300 Definite Purpose Starters *(26 29 13 13)*

26 29 13 13-0301 Open Enclosure, Definite Purpose Starter *(26 29 13 13-0300)*

26 29 13 13-0302	EA	Open Enclosure, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO13)	633.76	151.52
		For Factory Installed Accessory, Deduct	*-303.04*	
26 29 13 13-0303	EA	Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO22)	632.65	151.52
		For Factory Installed Accessory, Deduct	*-303.04*	
26 29 13 13-0304	EA	Open Enclosure, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO23)	684.63	164.15
		For Factory Installed Accessory, Deduct	*-328.29*	
26 29 13 13-0305	EA	Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO32)	673.85	151.52
		For Factory Installed Accessory, Deduct	*-303.04*	
26 29 13 13-0306	EA	Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO33)	732.51	164.15
		For Factory Installed Accessory, Deduct	*-328.29*	
26 29 13 13-0307	EA	Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO42)	709.49	151.52
		For Factory Installed Accessory, Deduct	*-303.04*	
26 29 13 13-0308	EA	Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO43)	823.11	189.40
		For Factory Installed Accessory, Deduct	*-378.80*	
26 29 13 13-0309	EA	Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO52)	915.53	189.40
		For Factory Installed Accessory, Deduct	*-378.80*	
26 29 13 13-0310	EA	Open Enclosure, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO53)	1,152.38	220.97
		For Factory Installed Accessory, Deduct	*-441.93*	

26 29 13 13-0311 NEMA 1, Definite Purpose Starter *(26 29 13 13-0300)*

26 29 13 13-0312	EA	NEMA 1, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 20 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG12)	647.49	138.89
		For Factory Installed Accessory, Deduct	*-277.79*	
26 29 13 13-0313	EA	NEMA 1, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG13)	699.46	151.52
		For Factory Installed Accessory, Deduct	*-303.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0314	EA	NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG22)	697.24	151.52
		For Factory Installed Accessory, Deduct	*-303.04*	
26 29 13 13-0315	EA	NEMA 1, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG23)	752.55	164.15
		For Factory Installed Accessory, Deduct	*-328.29*	
26 29 13 13-0316	EA	NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG32)	739.55	151.52
		For Factory Installed Accessory, Deduct	*-303.04*	
26 29 13 13-0317	EA	NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG33)	799.32	164.15
		For Factory Installed Accessory, Deduct	*-328.29*	
26 29 13 13-0318	EA	NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG42)	777.41	151.52
		For Factory Installed Accessory, Deduct	*-303.04*	
26 29 13 13-0319	EA	NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG43)	889.92	189.40
		For Factory Installed Accessory, Deduct	*-378.80*	
26 29 13 13-0320	EA	NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG52)	979.00	189.40
		For Factory Installed Accessory, Deduct	*-378.80*	
26 29 13 13-0321	EA	NEMA 1, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG53)	1,216.96	220.97
		For Factory Installed Accessory, Deduct	*-441.93*	

26 29 13 13-0322 Definite Purpose Starter Accessory *(26 29 13 13-0300)*

26 29 13 13-0323	EA	Start-Stop Push Button Kit, Definite Purpose Starter Accessory Note: Or Hand-Off-Auto Selector Switch Kit	201.73	15.78
		For Factory Installed Accessory, Deduct	*-31.57*	

26 29 13 13-0324 Panel Mounted Miniature Contactor *(26 29 13 13)*

26 29 13 13-0325 Non-Reversing, Panel Mounted Miniature Contactor *(26 29 13 13-0324)*

26 29 13 13-0326	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, AC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	189.74	63.13
26 29 13 13-0327	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	222.41	69.45
26 29 13 13-0328	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	222.41	69.45
26 29 13 13-0329	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, AC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	247.29	75.76
26 29 13 13-0330	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	209.79	63.13
26 29 13 13-0331	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	220.92	63.13
26 29 13 13-0332	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	241.34	69.45
26 29 13 13-0333	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	252.47	69.45
26 29 13 13-0334	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	248.02	69.45
26 29 13 13-0335	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	252.47	69.45
26 29 13 13-0336	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	269.56	75.76
26 29 13 13-0337	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	259.15	69.45
26 29 13 13-0338	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	280.69	75.76
26 29 13 13-0339	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP4K)	261.38	69.45
26 29 13 13-0340	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP4K)	261.38	69.45
26 29 13 13-0341	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP4K)	291.83	75.76

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0342	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP4K)	291.83	75.76

26 29 13 13-0343 Reversing, Panel Mounted Miniature Contactor *(26 29 13 13-0324)*

26 29 13 13-0344	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	271.03	63.13
26 29 13 13-0345	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	293.30	63.13
26 29 13 13-0346	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	324.85	69.45
26 29 13 13-0347	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	324.85	69.45
26 29 13 13-0348	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	347.12	69.45
26 29 13 13-0349	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	364.21	75.76
26 29 13 13-0350	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	364.21	75.76
26 29 13 13-0351	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	312.23	63.13
26 29 13 13-0352	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	334.50	63.13
26 29 13 13-0353	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	363.83	69.45
26 29 13 13-0354	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	386.10	69.45
26 29 13 13-0355	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	409.86	75.76
26 29 13 13-0356	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	432.14	75.76
26 29 13 13-0357	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K)	351.58	69.45
26 29 13 13-0358	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K)	403.92	69.45
26 29 13 13-0359	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K)	456.63	75.76

26 29 13 13-0360 Panel Mounted Miniature Contactor Accessories *(26 29 13 13-0324)*

26 29 13 13-0361	EA	2 Auxiliary Contacts, 10 Amperes, Panel Mounted Miniature Contactor Accessory (Square D LA1KN02)	80.61	31.57
26 29 13 13-0362	EA	4 Auxiliary Contacts, 10 Amperes, Panel Mounted Miniature Contactor Accessory (Square D LA1KN40)	89.21	31.57
26 29 13 13-0363	EA	Electronic Time Delay Contact, 2 Amperes, Panel Mounted Miniature Contactor Accessory (Square D LA2KT2U)	104.78	31.57
26 29 13 13-0364	EA	Overload Relay, Panel Mounted Miniature Contactor Accessory (Square D LR2K0301)	135.75	31.57

26 29 13 13-0365 Reduced Voltage Auto Transformer Type 240-600 Volt, 3 Pole *(26 29 13 13)*

26 29 13 13-0366 NEMA 1 Enclosure *(26 29 13 13-0365)*

26 29 13 13-0367	EA	Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	7,609.24	605.13
		For NEMA 4, Add	*796.66*	
26 29 13 13-0368	EA	Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	13,257.50	806.83
		For NEMA 4, Add	*1,455.16*	
26 29 13 13-0369	EA	Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	23,157.17	958.12
		For NEMA 4, Add	*2,655.88*	
26 29 13 13-0370	EA	Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	56,342.29	1,172.43
		For NEMA 4, Add	*6,750.96*	
26 29 13 13-0371	EA	Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	89,850.13	1,500.20
		For NEMA 4, Add	*10,856.07*	

26 29 13 13-0372 NEMA 12 Enclosure *(26 29 13 13-0365)*

26 29 13 13-0373	EA	Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	7,556.16	617.98
26 29 13 13-0374	EA	Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	13,160.53	808.09
26 29 13 13-0375	EA	Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	22,980.20	955.09
26 29 13 13-0376	EA	Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	55,892.44	1,167.26
26 29 13 13-0377	EA	Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	89,126.73	1,500.83

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0378			**Factory Modifications Pilot Devices** *(26 29 13 13-0365)*		
26 29 13 13-0379		EA	Start-Stop Push-button, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	187.70	
26 29 13 13-0380		EA	H-O-A Select Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	207.01	
26 29 13 13-0381		EA	Forward-Reverse-Stop, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	352.37	
26 29 13 13-0382		EA	Pilot Light, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	191.45	
26 29 13 13-0383		EA	Fused Control Circuit, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	275.29	
26 29 13 13-0384		EA	Auxiliary Interlock, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	137.64	
26 29 13 13-0385		EA	Auxiliary Relay, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	449.26	
26 29 13 13-0386			**Factory Modifications Meters** *(26 29 13 13-0365)*		
26 29 13 13-0387		EA	Ammeter And Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	1,805.88	
26 29 13 13-0388		EA	Voltmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	1,744.23	
26 29 13 13-0389		EA	Wattmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	616.64	
26 29 13 13-0390		EA	Elapsed-time Meter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	510.95	
26 29 13 13-0391			**Factory Modifications Main Circuit Breakers** *(26 29 13 13-0365)*		
26 29 13 13-0392		EA	Reduced Voltage Auto Transformer Starter, Size 3, Circuit Breaker, Factory Modification Main Circuit Breaker	2,386.73	
26 29 13 13-0393		EA	Reduced Voltage Auto Transformer Starter, Size 4, Circuit Breaker, Factory Modification Main Circuit Breaker	4,365.03	
26 29 13 13-0394		EA	Reduced Voltage Auto Transformer Starter, Size 5-7, Circuit Breaker, Factory Modification Main Circuit Breaker	9,284.85	
26 29 13 13-0395			**Factory Modifications Addition** *(26 29 13 13-0365)*		
			Note: For reversing service auto transformer type.		
26 29 13 13-0396		EA	Reduced Voltage Auto Transformer Starter, Size 3, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	400.83	
26 29 13 13-0397		EA	Reduced Voltage Auto Transformer Starter, Size 4, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	400.83	
26 29 13 13-0398		EA	Reduced Voltage Auto Transformer Starter, Size 5, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	400.83	
26 29 13 13-0399		EA	Reduced Voltage Auto Transformer Starter, Size 6, 7, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	400.83	
26 29 13 13-0400			**Combination Starters Non-Reversing** *(26 29 13 13)*		
26 29 13 13-0401			**240-600 Volt, 3-Pole** *(26 29 13 13-0400)*		
26 29 13 13-0402			**NEMA 1 With Disconnect (Safety) Switch** *(26 29 13 13-0401)*		
26 29 13 13-0403		EA	Combination Starter, Size 0, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,868.37	289.96
			For Electronic Overloads, Add	*244.10*	
26 29 13 13-0404		EA	Combination Starter, Size 1, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,268.84	453.84
			For Electronic Overloads, Add	*257.51*	
26 29 13 13-0405		EA	Combination Starter, Size 2, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	3,196.46	529.49
			For Electronic Overloads, Add	*407.72*	
26 29 13 13-0406		EA	Combination Starter, Size 3, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	4,885.00	655.55
			For Electronic Overloads, Add	*678.64*	
26 29 13 13-0407		EA	Combination Starter, Size 4, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	8,990.61	1,046.36
			For Electronic Overloads, Add	*1,309.00*	
26 29 13 13-0408		EA	Combination Starter, Size 5, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	18,094.78	1,311.11
			For Electronic Overloads, Add	*2,938.99*	
26 29 13 13-0409			**NEMA 1 With Circuit Breaker** *(26 29 13 13-0401)*		
26 29 13 13-0410		EA	Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,376.61	289.96
			For Electronic Overloads, Add	*340.66*	
26 29 13 13-0411		EA	Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,777.08	453.84
			For Electronic Overloads, Add	*354.07*	
26 29 13 13-0412		EA	Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	3,690.58	529.49
			For Electronic Overloads, Add	*501.60*	
26 29 13 13-0413		EA	Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	5,153.24	655.55
			For Electronic Overloads, Add	*729.61*	
26 29 13 13-0414		EA	Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	10,529.44	1,046.36
			For Electronic Overloads, Add	*1,601.38*	
26 29 13 13-0415		EA	Combination Starter, Size 5, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	22,174.82	1,311.11
			For Electronic Overloads, Add	*3,714.20*	
26 29 13 13-0416			**Factory Modifications For NEMA 1 Enclosure** *(26 29 13 13-0401)*		
26 29 13 13-0417		EA	Start-Stop Push-button, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt	231.45	
26 29 13 13-0418		EA	H-O-A Select Switch, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt	543.62	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0419	EA	Pilot Light, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt	375.19	

26 29 13 13-0420 NEMA 4 With Disconnect (Safety) Switch *(26 29 13 13-0401)*

26 29 13 13-0421	EA	Combination Starter, Size 0, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	3,418.21	378.20
		For Electronic Overloads, Add	*501.60*	
26 29 13 13-0422	EA	Combination Starter, Size 1, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	3,761.17	529.49
		For Electronic Overloads, Add	*515.02*	
26 29 13 13-0423	EA	Combination Starter, Size 2, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	5,402.62	579.91
		For Electronic Overloads, Add	*804.71*	
26 29 13 13-0424	EA	Combination Starter, Size 3, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	8,614.93	705.98
		For Electronic Overloads, Add	*1,370.69*	
26 29 13 13-0425	EA	Combination Starter, Size 4, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	13,649.47	1,046.36
		For Electronic Overloads, Add	*2,194.18*	
26 29 13 13-0426	EA	Combination Starter, Size 5, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	29,981.95	1,311.11
		For Electronic Overloads, Add	*5,197.55*	

26 29 13 13-0427 NEMA 4 With Circuit Breaker *(26 29 13 13-0401)*

26 29 13 13-0428	EA	Combination Starter, Size 0, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	3,926.45	378.20
		For Electronic Overloads, Add	*598.17*	
26 29 13 13-0429	EA	Combination Starter, Size 1, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	4,269.41	529.49
		For Electronic Overloads, Add	*611.58*	
26 29 13 13-0430	EA	Combination Starter, Size 2, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	5,896.75	579.91
		For Electronic Overloads, Add	*898.60*	
26 29 13 13-0431	EA	Combination Starter, Size 3, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	8,883.17	705.98
		For Electronic Overloads, Add	*1,421.66*	
26 29 13 13-0432	EA	Combination Starter, Size 4, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	15,188.31	1,046.36
		For Electronic Overloads, Add	*2,486.56*	
26 29 13 13-0433	EA	Combination Starter, Size 5, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	28,386.64	1,311.11
		For Electronic Overloads, Add	*4,894.45*	

26 29 13 13-0434 Factory Modifications For NEMA 4 Enclosure *(26 29 13 13-0401)*

26 29 13 13-0435	EA	Start-Stop Push-button, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt	231.48
26 29 13 13-0436	EA	H-0-A Select Switch, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt	543.62
26 29 13 13-0437	EA	Pilot Light, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt	375.19

26 29 13 13-0438 NEMA 12 With Disconnect (Safety) Switch *(26 29 13 13-0401)*

26 29 13 13-0439	EA	Combination Starter, Size 0, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,932.60	291.85
		For Electronic Overloads, Add	*256.30*	
26 29 13 13-0440	EA	Combination Starter, Size 1, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,336.60	456.74
		For Electronic Overloads, Add	*270.38*	
26 29 13 13-0441	EA	Combination Starter, Size 2, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	3,303.75	525.33
		For Electronic Overloads, Add	*428.11*	
26 29 13 13-0442	EA	Combination Starter, Size 3, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	5,063.58	656.56
		For Electronic Overloads, Add	*712.57*	
26 29 13 13-0443	EA	Combination Starter, Size 4, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	9,335.07	1,050.64
		For Electronic Overloads, Add	*1,374.45*	
26 29 13 13-0444	EA	Combination Starter, Size 5, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	18,868.18	1,313.12
		For Electronic Overloads, Add	*3,085.94*	

26 29 13 13-0445 NEMA 12 With Circuit Breaker *(26 29 13 13-0401)*

26 29 13 13-0446	EA	Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,539.48	291.85
		For Electronic Overloads, Add	*371.61*	
26 29 13 13-0447	EA	Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,946.36	456.74
		For Electronic Overloads, Add	*386.24*	
26 29 13 13-0448	EA	Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	3,930.40	525.33
		For Electronic Overloads, Add	*547.17*	
26 29 13 13-0449	EA	Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	5,502.05	656.56
		For Electronic Overloads, Add	*795.88*	
26 29 13 13-0450	EA	Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	11,295.05	1,050.64
		For Electronic Overloads, Add	*1,746.84*	
26 29 13 13-0451	EA	Combination Starter, Size 5, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	23,950.55	1,313.12
		For Electronic Overloads, Add	*4,051.59*	

26 29 13 13-0452 Factory Modifications For NEMA 12 Enclosure *(26 29 13 13-0401)*

26 29 13 13-0453	EA	Start-Stop Push-button, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt	229.55
26 29 13 13-0454	EA	H-O-A Select Switch, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt	539.10
26 29 13 13-0455	EA	Pilot Light, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt	372.06

26 29 13 13-0456 NEMA 7 Or 9 With Circuit Breaker *(26 29 13 13-0401)*

26 29 13 13-0457	EA	Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	4,476.62	605.13
26 29 13 13-0458	EA	Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	6,064.15	806.83
26 29 13 13-0459	EA	Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	6,607.04	1,109.40
26 29 13 13-0460	EA	Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	9,809.26	1,512.81
26 29 13 13-0461	EA	Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	14,770.95	2,117.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0462		**Factory Modifications For NEMA 7 Or 9 Enclosure** *(26 29 13 13-0401)*		
26 29 13 13-0463	EA	Start-Stop Push-button, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt	1,376.45	
26 29 13 13-0464	EA	H-0-A Select Switch, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt	1,376.45	
26 29 13 13-0465	EA	Pilot Light, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt	1,376.45	
26 29 13 13-0466		**Combination Starters Reversing** *(26 29 13 13)*		
26 29 13 13-0467		**240-600 Volt, 3 Pole** *(26 29 13 13-0466)*		
26 29 13 13-0468		**NEMA 1 With Disconnect (Safety) Switch** *(26 29 13 13-0467)*		
26 29 13 13-0469	EA	Combination Starter, Size 0, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	2,309.16	378.20
26 29 13 13-0470	EA	Combination Starter, Size 1, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	2,684.05	529.49
26 29 13 13-0471	EA	Combination Starter, Size 2, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	3,897.75	579.91
26 29 13 13-0472	EA	Combination Starter, Size 3, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	5,925.32	705.98
26 29 13 13-0473	EA	Combination Starter, Size 4, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	11,577.43	1,046.36
26 29 13 13-0474		**NEMA 1 With Circuit Breaker** *(26 29 13 13-0467)*		
26 29 13 13-0475	EA	Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	2,577.32	378.20
26 29 13 13-0476	EA	Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	2,970.30	529.49
26 29 13 13-0477	EA	Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	4,232.85	579.91
26 29 13 13-0478	EA	Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	5,463.97	705.98
26 29 13 13-0479	EA	Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	12,483.83	1,046.36
26 29 13 13-0480		**NEMA 12 With Disconnect (Safety) Switch** *(26 29 13 13-0467)*		
26 29 13 13-0481	EA	Combination Starter, Size 0, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	2,465.10	389.17
26 29 13 13-0482	EA	Combination Starter, Size 1, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	2,850.43	525.33
26 29 13 13-0483	EA	Combination Starter, Size 2, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	4,175.86	583.69
26 29 13 13-0484	EA	Combination Starter, Size 3, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	6,386.17	700.43
26 29 13 13-0485	EA	Combination Starter, Size 4, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	12,542.65	1,050.64
26 29 13 13-0486		**NEMA 12 With Circuit Breaker** *(26 29 13 13-0467)*		
26 29 13 13-0487	EA	Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	2,760.58	389.17
26 29 13 13-0488	EA	Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	3,165.84	525.33
26 29 13 13-0489	EA	Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	4,545.10	583.69
26 29 13 13-0490	EA	Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	5,877.84	700.43
26 29 13 13-0491	EA	Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	13,541.37	1,050.64
26 29 13 13-0492		**NEMA 7 Or 9 With Circuit Breaker** *(26 29 13 13-0467)*		
26 29 13 13-0493	EA	Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	5,431.68	806.83
26 29 13 13-0494	EA	Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	5,841.33	1,008.54
26 29 13 13-0495	EA	Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	8,393.71	1,311.11
26 29 13 13-0496	EA	Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	13,341.11	1,714.51
26 29 13 13-0497	EA	Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	24,323.11	2,319.64
26 29 13 13-0498		**Solid State Motor Controllers** *(26 29 13 13)*		
26 29 13 13-0499		**Adjustable Voltage Drives, DC Motors** *(26 29 13 13-0498)*		
26 29 13 13-0500	EA	0.5-1.5 HP DC Solid State Motor Controller, Reversing With Dynamic Braking	1,831.00	226.92
26 29 13 13-0501	EA	0.5-2.0 HP DC Solid State Motor Controller, Non-Reversing With Dynamic Braking	2,206.24	226.92
26 29 13 13-0502		**Removal And Reinstallation Of Motor Starters** *(26 29 13 13)* Note: Includes storage and cleaning.		
26 29 13 13-0503	EA	Removal And Reinstallation Of Up To 25 HP Motor Starter With Disconnect	900.48	
26 29 13 13-0504		**Auxiliary Devices** *(26 29 13 13)*		
26 29 13 13-0505	EA	Normally Open, Auxiliary Contact	544.29	126.07
26 29 13 13-0506	EA	Normally Closed, Auxiliary Contact	544.29	126.07
26 29 13 13-0507	EA	Pilot Light Kit	573.77	126.07
26 29 13 13-0508		**Programmable Logic Controller Assembly** *(26 29 13 13)* Note: 120 VAC supply voltage		

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LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0509	EA	Programmable Logic Controller Assembly With Start-Up And Programming Note: Includes: one RHC363612 Type 3R ENCLOSURE N/A WIEGMANN, two NP3636 MOUNTING PLATE N/A WIEGMANN, one WANADFK SWING KIT N/A WIEGMANN, one 011750-01 DUAL THERMOSTAT TS1 STEGO, one 060100-00 100W ENCLOSURE HEATER HTR STEGO, one 100-FFP-3R 3R RAIN SHROUDS N/A THERMAL, one PFFP080-120 COOLING FAN (8) EF1 THERMAL, one M9F42115 1P C 15A BREAKER CBAM SQUARE D, one M9F42110 1P C 10A BREAKER CBB3 SQUARE D, two M9F42105 1P C 5A BREAKER CBB1,CBB2 SQUARE D, three M9F42105 1P C 5A BREAKER CB1,2,7 SQUARE D, four M9F42101 1P C 1A BREAKER CB3-6 SQUARE D, five M9F42101 1P C 1A BREAKER CBD1-5 SQUARE D, one SDSA1175 SPD FILTER SPD SQUARE D, one QOSAMK SPD BRACKET SPD SQUARE D, one 025413-10 ENCLOSURE LIGHT LT1 STEGO, one 244357 ENCLOSURE LIGHT POWER CABLE LT1 STEGO, one MDR-40-24 40W, PLC SUPPLY POWER PLC-PSA MEANWELL, one SDR-120-2 120W, 24VDC POWER SUPPLY PS24 MEANWELL, one D2-04BDC1-1 4 SLOT, DL205 I/O BASE PLC DIRECT AUTO, one H2-DM1E DO-MORE H2 SERIES CPU PLC1.0 DIRECT AUTO, one D2-16ND3-2 DL205 DISCRETE INPUT MODULE PLC1.1 DIRECT AUTO, one F2-8AD4DA-1 DL205 ANALOG COMBO MODULE PLC1.2 DIRECT AUTO, one F2-08TR DL205 RELAY OUTPUT MODULE PLC1.3 DIRECT AUTO, one EA9-T10CL 10" TOUCHSCREEN HMI DIRECT AUTO, one SE-SW5U 5 PORT SWITCH ETH DIRECT AUTO, one CR20-E BLACK RECEPTACLE REC LEVITON, one 80703-E COVER REC LEVITON, one 1B75-3 RECEPTACLE BOX PRG REC RED DOT, sixteen RSL1PVFU CONTROL RELAY DOA200-215 SQUARE D, sixteen XBUT4FBEL250 120V FUSE TB FTB1-15 EATON, eight 3046090 24VDC FUSE TB FTB16-23 PHOENIX CONTACT, twenty-four 235.100 1/10A FUSE FU1-24 LITTLELFUSE, four CA803 DIN RAIL BRKTS DIN ALTECH, one hundred 3044102 (XBUT4) 30A, 26-10awg TB PHOENIX, ten 3047028 (XBACUT10) END PLATE TB PHOENIX, five 3030271 (XBAFBS106) 10p JUMPER BAR TB PHOENIX, 20 0818085 (XBMUCTM6) 10-STRIP MARKER TB PHOENIX, twenty 0800886 (XBAES35C) END CLAMPS TB PHOENIX, one 0801733 (XBANS3575P) 2M DIN RAIL MISC PHOENIX, thirty six F1.5X3WH6 RACEWAY MISC PANDUIT, thirty six C1.5WH6-F COVER MISC PANDUIT, one KA25U 14-1/0 GROUND LUG GND THOMAS & BETTS, one PK4GTA TPS GROUND BAR GND SQUARE D, one PK7GTA CUST GROUND BAR GND SQUARE D	21,525.91	

26 29 13 13-0510 **Irrigation Controller Panel** *(26 29 13 13)*
Note: 230 VAC supply voltage, 30 Amp minimum service required.

26 29 13 13-0511	EA	Irrigation Booster Pump Control Panel Adder Note: Includes: main disconnect, 30 Amp 2 pole breaker, IEC starter for 11A, 1500VA fused CPT, overtemp and pump fail relays, 22MM green light run, 22MM red light run, 22MM HOA switch, terminals and accessories and misc hardware	2,997.22	154.39

26 29 23 Variable-Frequency Motor Controllers *(26 29)*

26 29 23 00-0001 **208/230 Volt, Ultra Low Harmonic (ULH) Variable Frequency Drives** *(26 29 23)*
Note: 1 or 3 phase. Wall mounted. ABB ACH580 Series. Includes full voltage bypass with main input circuit breaker. NEMA 1 enclosure.

26 29 23 00-0002	EA	3/4 HP, 208/230 Volt Variable Frequency Drive	2,231.99	444.01
		For 6-Pulse Drive Package, Deduct	*-739.12*	
26 29 23 00-0003	EA	1 HP, 208/230 Volt Variable Frequency Drive	2,513.19	485.29
		For 6-Pulse Drive Package, Deduct	*-850.91*	
26 29 23 00-0004	EA	1-1/2 HP, 208/230 Volt Variable Frequency Drive	2,920.38	533.60
		For 6-Pulse Drive Package, Deduct	*-1,019.25*	
26 29 23 00-0005	EA	2 HP, 208/230 Volt Variable Frequency Drive	3,078.67	512.91
		For 6-Pulse Drive Package, Deduct	*-1,129.07*	
26 29 23 00-0006	EA	3 HP, 208/230 Volt Variable Frequency Drive	3,300.39	559.22
		For 6-Pulse Drive Package, Deduct	*-1,200.08*	
26 29 23 00-0007	EA	5 HP, 208/230 Volt Variable Frequency Drive	3,569.40	559.22
		For 6-Pulse Drive Package, Deduct	*-1,348.04*	
26 29 23 00-0008	EA	7.5 HP, 208/230 Volt Variable Frequency Drive	4,264.62	667.70
		For 6-Pulse Drive Package, Deduct	*-1,611.07*	
26 29 23 00-0009	EA	10 HP, 208/230 Volt Variable Frequency Drive	4,653.19	667.70
		For 6-Pulse Drive Package, Deduct	*-1,824.78*	
26 29 23 00-0010	EA	15 HP, 208/230 Volt Variable Frequency Drive	6,135.52	1,005.35
		For 6-Pulse Drive Package, Deduct	*-2,268.65*	
26 29 23 00-0011	EA	20 HP, 208/230 Volt Variable Frequency Drive	7,211.56	1,005.35
		For 6-Pulse Drive Package, Deduct	*-2,860.47*	
26 29 23 00-0012	EA	25 HP, 208/230 Volt Variable Frequency Drive	8,798.36	1,335.51
		For 6-Pulse Drive Package, Deduct	*-3,370.10*	
26 29 23 00-0013	EA	30 HP, 208/230 Volt Variable Frequency Drive	10,143.41	1,335.51
		For 6-Pulse Drive Package, Deduct	*-4,109.88*	
26 29 23 00-0014	EA	40 HP, 208/230 Volt Variable Frequency Drive	11,309.12	1,335.51
		For 6-Pulse Drive Package, Deduct	*-4,751.02*	
26 29 23 00-0015	EA	50 HP, 208/230 Volt Variable Frequency Drive	14,913.94	1,688.26
		For 6-Pulse Drive Package, Deduct	*-6,345.65*	
26 29 23 00-0016	EA	60 HP, 208/230 Volt Variable Frequency Drive	17,982.87	1,997.17
		For 6-Pulse Drive Package, Deduct	*-7,693.69*	
26 29 23 00-0017	EA	75 HP, 208/230 Volt Variable Frequency Drive	20,374.07	1,997.17
		For 6-Pulse Drive Package, Deduct	*-9,008.85*	

26 29 23 00-0018 **460/480 Volt, Ultra Low Harmonic (ULH) Variable Frequency Drives** *(26 29 23)*
Note: 3 Phase. ABB ACH580 Series. Includes full voltage bypass with main input circuit breaker. NEMA 1 enclosure.

26 29 23 00-0019	EA	3 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	5,304.14	798.90
		For 6-Pulse Drive Package, Deduct	*-2,038.50*	
26 29 23 00-0020	EA	5 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	5,483.48	798.90
		For 6-Pulse Drive Package, Deduct	*-2,137.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 23 00-0021	EA	7.5 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	5,998.60	951.89
		For 6-Pulse Drive Package, Deduct	*-2,252.21*	
26 29 23 00-0022	EA	10 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	6,028.49	951.89
		For 6-Pulse Drive Package, Deduct	*-2,268.65*	
26 29 23 00-0023	EA	15 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	8,087.07	1,443.10
		For 6-Pulse Drive Package, Deduct	*-2,860.47*	
26 29 23 00-0024	EA	20 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	8,505.53	1,443.10
		For 6-Pulse Drive Package, Deduct	*-3,090.63*	
26 29 23 00-0025	EA	25 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	10,233.81	1,903.78
		For 6-Pulse Drive Package, Deduct	*-3,534.49*	
26 29 23 00-0026	EA	30 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	11,728.31	1,903.78
		For 6-Pulse Drive Package, Deduct	*-4,356.47*	
26 29 23 00-0027	EA	40 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	13,282.59	1,903.78
		For 6-Pulse Drive Package, Deduct	*-5,211.32*	
26 29 23 00-0028	EA	50 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	17,390.21	2,418.26
		For 6-Pulse Drive Package, Deduct	*-6,904.59*	
26 29 23 00-0029	EA	60 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	23,191.26	2,867.76
		For 6-Pulse Drive Package, Deduct	*-9,600.67*	
26 29 23 00-0030	EA	75 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	24,625.98	2,867.76
		For 6-Pulse Drive Package, Deduct	*-10,389.76*	
26 29 23 00-0031	EA	100 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	28,509.62	3,195.56
		For 6-Pulse Drive Package, Deduct	*-12,165.23*	
26 29 23 00-0032	EA	125 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	30,063.90	3,195.56
		For 6-Pulse Drive Package, Deduct	*-13,020.08*	
26 29 23 00-0033	EA	150 HP, 460/480 Volt Variable Frequency Drive Note: Floor mounted.	33,292.02	3,195.56
		For 6-Pulse Drive Package, Deduct	*-14,795.55*	
26 29 23 00-0034	EA	200 HP, 460/480 Volt Variable Frequency Drive Note: Floor mounted.	38,440.26	3,856.67
		For 6-Pulse Drive Package, Deduct	*-16,899.81*	
26 29 23 00-0035	EA	250 HP, 460/480 Volt Variable Frequency Drive Note: Floor mounted.	48,091.05	4,028.79
		For 6-Pulse Drive Package, Deduct	*-22,018.41*	
26 29 23 00-0036	EA	300 HP, 460/480 Volt Variable Frequency Drive Note: Floor mounted.	56,400.26	4,622.90
		For 6-Pulse Drive Package, Deduct	*-25,934.95*	
26 29 23 00-0037	EA	350 HP, 460/480 Volt Variable Frequency Drive Note: Floor mounted.	64,880.40	5,013.67
		For 6-Pulse Drive Package, Deduct	*-30,169.11*	
26 29 23 00-0038	EA	400 HP, 460/480 Volt Variable Frequency Drive Note: Floor mounted.	75,190.09	5,413.74
		For 6-Pulse Drive Package, Deduct	*-35,399.50*	
26 29 23 00-0039	EA	450 HP, 460/480 Volt Variable Frequency Drive Note: Floor mounted.	81,037.00	5,870.62
		For 6-Pulse Drive Package, Deduct	*-38,112.68*	

26 29 33 Controllers for Fire Pump Drivers *(26 29)*

26 29 33 13 Full-Service Controllers for Fire Pump Electric-Motor Drivers *(26 29 33)*

26 29 33 13-0001 Electric Controllers For Fire Pumps *(26 29 33 13)*

26 29 33 13-0002 Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller *(26 29 33 13-0001)*

26 29 33 13-0003	EA	30 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	22,673.45	255.83
26 29 33 13-0004	EA	40 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	25,668.38	284.26
26 29 33 13-0005	EA	50 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	26,916.50	312.67
26 29 33 13-0006	EA	75 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	30,686.78	341.10
26 29 33 13-0007	EA	150 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	32,434.40	397.95
26 29 33 13-0008	EA	175 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	34,592.79	511.65
26 29 33 13-0009	EA	200 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	37,498.99	568.51
26 29 33 13-0010	EA	250 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	42,886.70	648.09
26 29 33 13-0011	EA	300 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	51,663.62	699.26
26 29 33 13-0012	EA	350 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	60,709.74	795.91
26 29 33 13-0013	EA	400 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	72,409.37	852.76
26 29 33 13-0014	EA	500 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	81,732.39	909.61

26 29 33 19 Controllers for Fire Pump Diesel Engine Drivers *(26 29 33)*

See CSI section 26 29 33 13-0000 for controllers for fire pump diesel engine drivers.

26 30 Facility Electrical Power Generating and Storing Equipment *(26)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 31 Photovoltaic Collectors *(26 30)*

26 31 00 00-0001 Rigid Photovoltaic Modules *(26 31)*

26 31 00 00-0002 Sanyo Rigid Photovoltaic Modules *(26 31 00 00-0001)*

26 31 00 00-0003	EA	205 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.3% Module Efficiency (Sanyo HIP-205NHKA6)	2,258.21	119.76
		For >25 To 50, Deduct	*-163.38*	
		For >50 To 100, Deduct	*-219.83*	
		For >100, Deduct	*-326.76*	
26 31 00 00-0004	EA	210 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.7% Module Efficiency (Sanyo HIP-210NHKA6)	2,367.63	119.76
		For >25 To 50, Deduct	*-171.58*	
		For >50 To 100, Deduct	*-230.77*	
		For >100, Deduct	*-343.17*	
26 31 00 00-0005	EA	215 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 17.1% Module Efficiency (Sanyo HIP-215HNKA6)	2,215.28	119.76
		For >25 To 50, Deduct	*-160.16*	
		For >50 To 100, Deduct	*-215.54*	
		For >100, Deduct	*-320.32*	

26 31 00 00-0006 Sharp Rigid Photovoltaic Modules *(26 31 00 00-0001)*

26 31 00 00-0007	EA	224 Watt Polycrystalline Photovoltaic Module, 64.6" x 39.1", 13.74% Module Efficiency (Sharp ND-224UC1)	1,765.48	119.76
		For >25 To 50, Deduct	*-126.42*	
		For >50 To 100, Deduct	*-170.56*	
		For >100, Deduct	*-252.85*	
26 31 00 00-0008	EA	230 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.1% Module Efficiency (Sharp NU-U230F3)	2,009.73	119.76
		For >25 To 50, Deduct	*-144.74*	
		For >50 To 100, Deduct	*-194.98*	
		For >100, Deduct	*-289.48*	
26 31 00 00-0009	EA	235 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.4% Module Efficiency (Sharp NU-U235F1)	2,048.42	119.76
		For >25 To 50, Deduct	*-147.64*	
		For >50 To 100, Deduct	*-198.85*	
		For >100, Deduct	*-295.29*	
26 31 00 00-0010	EA	240 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.7% Module Efficiency (Sharp NU-U240F1)	1,927.50	119.76
		For >25 To 50, Deduct	*-138.57*	
		For >50 To 100, Deduct	*-186.76*	
		For >100, Deduct	*-277.15*	

26 31 00 00-0011 BP Solar Rigid Photovoltaic Modules *(26 31 00 00-0001)*

Note: Approved for applications in NEC Class 1, Division 2, Groups C and D hazardous locations.

26 31 00 00-0012	EA	50 Watt Polycrystalline Photovoltaic Module, 33" x 21.1" (BP SX350J)	865.75	119.76
		For >25 To 50, Deduct	*-58.94*	
		For >50 To 100, Deduct	*-80.59*	
		For >100, Deduct	*-117.89*	
26 31 00 00-0013	EA	75 Watt Polycrystalline Photovoltaic Module, 47.6" x 21.14" (BP SX375J)	1,071.30	119.76
		For >25 To 50, Deduct	*-74.36*	
		For >50 To 100, Deduct	*-101.14*	
		For >100, Deduct	*-148.72*	
26 31 00 00-0014	EA	80 Watt Polycrystalline Photovoltaic Module, 47.6" x 20.9" (BP SX380J)	1,153.53	119.76
		For >25 To 50, Deduct	*-80.53*	
		For >50 To 100, Deduct	*-109.36*	
		For >100, Deduct	*-161.05*	

26 31 00 00-0015 Photovoltaic Inverters *(26 31)*

26 31 00 00-0016 Fronius Photovoltaic Inverters *(26 31 00 00-0015)*

26 31 00 00-0017	EA	3 KW Photovoltaic Inverter (Fronius IG Plus 3.0-1)	5,393.67	126.07
26 31 00 00-0018	EA	5 KW Photovoltaic Inverter (Fronius IG Plus 5.0-1)	7,117.80	126.07
26 31 00 00-0019	EA	6 KW Photovoltaic Inverter (Fronius IG Plus 6.0-1)	7,513.91	126.07
26 31 00 00-0020	EA	7.5 KW Photovoltaic Inverter (Fronius IG Plus 7.5-1)	8,402.64	126.07
26 31 00 00-0021	EA	10 KW Photovoltaic Inverter (Fronius IG Plus 10.0-1)	13,311.48	126.07
26 31 00 00-0022	EA	12 KW Photovoltaic Inverter (Fronius IG Plus 12.0-3-1)	15,475.34	126.07
26 31 00 00-0023	EA	11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3 Delta)	12,590.55	252.14
26 31 00 00-0024	EA	11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3)	15,940.16	252.14
26 31 00 00-0025	EA	Inverter Display Stand (Fronius 4,045,894)	468.74	63.03

26 31 00 00-0026 SMA Photovoltaic Inverters *(26 31 00 00-0015)*

26 31 00 00-0027	EA	4 KW AC Photovoltaic Inverter (SMA Sunny Boy 4000TL-US-22)	4,002.87	126.07
26 31 00 00-0028	EA	5 KW AC Photovoltaic Inverter (SMA Sunny Boy 5000TL-US-22)	4,806.81	126.07
26 31 00 00-0029	EA	6 KW AC Photovoltaic Inverter (SMA Sunny Boy 6000TL-US-22)	5,556.04	126.07
26 31 00 00-0030	EA	7 KW AC Photovoltaic Inverter (SMA Sunny Boy 7000TL-US-22)	6,128.01	126.07
26 31 00 00-0031	EA	8 KW AC Photovoltaic Inverter (SMA Sunny Boy 8000TL-US-12)	5,935.34	126.07

26 31 00 00-0032 PVPowered Photovoltaic Inverters *(26 31 00 00-0015)*

26 31 00 00-0033	EA	120 Volt, 1.1 KW Photovoltaic Inverter (PVPowered PVP1100)	4,956.05	126.07
26 31 00 00-0034	EA	240 Volt, 2 KW Photovoltaic Inverter (PVPowered PVP2000)	5,183.80	126.07
26 31 00 00-0035	EA	240 Volt, 2.5 KW Photovoltaic Inverter (PVPowered PVP2500)	5,728.48	126.07

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0036	EA	240 Volt, 3.5 KW Photovoltaic Inverter (PVPowered PVP3500)	6,791.69	157.58
26 31 00 00-0037	EA	208 Volt, 4.6 KW Photovoltaic Inverter (PVPowered PVP4600)	8,280.74	189.10
26 31 00 00-0038	EA	240 Volt, 4.8 KW Photovoltaic Inverter (PVPowered PVP4800)	8,350.08	189.10
26 31 00 00-0039	EA	240 Volt, 5.2 KW Photovoltaic Inverter (PVPowered PVP5200)	8,811.54	189.10
26 31 00 00-0040	EA	208 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW)	105,151.74	1,008.54
26 31 00 00-0041	EA	480 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW)	105,291.02	1,008.54
26 31 00 00-0042	EA	208 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW)	113,941.11	1,008.54
26 31 00 00-0043	EA	480 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW)	105,623.40	1,008.54
26 31 00 00-0044		**Solectria Photovoltaic Inverters** *(26 31 00 00-0015)*		
26 31 00 00-0045	EA	208 Or 480 Volt, 10 KW Photovoltaic Inverter (Solectria PVI)	16,529.01	252.14
26 31 00 00-0046	EA	208 Or 480 Volt, 13 KW Photovoltaic Inverter (Solectria PVI)	16,529.01	252.14
26 31 00 00-0047	EA	208 Volt, 15 KW, Photovoltaic Inverter (Solectria PVI)	17,012.97	252.14
26 31 00 00-0048	EA	480 Volt, 15 KW Photovoltaic Inverter (Solectria PVI)	17,012.97	252.14
26 31 00 00-0049	EA	208 Volt, 50 KW Photovoltaic Inverter (Solectria PVI)	51,791.76	756.41
26 31 00 00-0050	EA	480 Volt, 50 KW Photovoltaic Inverter (Solectria PVI)	49,371.92	756.41
26 31 00 00-0051	EA	208 Volt, 60 KW Photovoltaic Inverter (Solectria PVI)	56,631.45	756.41
26 31 00 00-0052	EA	480 Volt, 60 KW Photovoltaic Inverter (Solectria PVI)	55,287.09	756.41
26 31 00 00-0053	EA	208 Volt, 75 KW Photovoltaic Inverter (Solectria PVI)	60,126.78	756.41
26 31 00 00-0054	EA	480 Volt, 75 KW Photovoltaic Inverter (Solectria PVI)	57,438.06	756.41
26 31 00 00-0055	EA	208 Volt, 85 KW Photovoltaic Inverter (Solectria PVI)	63,319.76	1,008.54
26 31 00 00-0056	EA	480 Volt, 85 KW Photovoltaic Inverter (Solectria PVI)	60,362.17	1,008.54
26 31 00 00-0057	EA	208 Volt, 100 KW Photovoltaic Inverter (Solectria PVI)	65,739.60	1,008.54
26 31 00 00-0058	EA	480 Volt, 100 KW Photovoltaic Inverter (Solectria PVI)	62,244.27	1,008.54
26 31 00 00-0059		**Xantrex Photovoltaic Inverters** *(26 31 00 00-0015)*		
26 31 00 00-0060	EA	0.6 KW Photovoltaic Inverter (Xantrex 806-1206)	689.97	31.52
26 31 00 00-0061	EA	1 KW Photovoltaic Inverter (Xantrex 806-1210)	752.25	31.52
26 31 00 00-0062	EA	2 KW Photovoltaic Inverter (Xantrex 806-1220)	1,209.88	31.52
26 31 00 00-0063		**Photovoltaic DC-DC Converters** *(26 31)*		
26 31 00 00-0064	EA	15 Amperes, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-20) Note: Hazardous locations.	404.09	47.27
26 31 00 00-0065	EA	20 Amperes, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-23)	268.67	47.27
26 31 00 00-0066	EA	60 Amperes, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-60)	752.33	47.27
26 31 00 00-0067		**Photovoltaic Combiner Boxes** *(26 31)*		
26 31 00 00-0068		**Midnight Solar Photovoltaic Combiner Boxes** *(26 31 00 00-0067)*		
26 31 00 00-0069	EA	3 - 150 Volt DC Breaker Or 3 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV3)	480.49	126.07
26 31 00 00-0070	EA	6 - 150 Volt DC Breaker Or 4 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV6)	467.95	126.07
26 31 00 00-0071	EA	12 - 150 Volt DC Breaker Or 10 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12)	745.17	189.10
26 31 00 00-0072	EA	6 - 300 Volt DC Breaker, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12-250)	749.56	189.10
26 31 00 00-0073	EA	16, 600 Volt DC Breakers, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV16)	1,156.37	189.10
26 31 00 00-0074		**SMA Photovoltaic Combiner Boxes** *(26 31 00 00-0067)*		
26 31 00 00-0075	EA	6 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SBCB-6)	1,072.41	126.07
26 31 00 00-0076	EA	12 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-12)	1,286.13	126.07
26 31 00 00-0077	EA	28 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-28)	2,490.57	252.14
26 31 00 00-0078	EA	52 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-52)	5,744.57	252.14
26 31 00 00-0079	EA	4 Input NEMA 3R, Steel Combination DC Disconnect And Photovoltaic Combiner Box (SMA Combi-Switch)	956.75	126.07
26 31 00 00-0080		**Photovoltaic Charge Controller** *(26 31)*		
26 31 00 00-0081	EA	35 Amperes, 12 Or 24 Volt, Charge Controller (Xantrex C-35)	321.87	47.27
26 31 00 00-0082	EA	40 Amperes, 12 Or 24 Volt, Charge Controller (Xantrex C-40)	430.69	47.27
26 31 00 00-0083	EA	60 Amperes, 12 Or 24 Volt, Charge Controller (Xantrex C-60)	503.24	47.27
26 31 00 00-0084	EA	Remote Digital Meter For Xantrex C-35, 40 And 60	384.75	47.27
26 31 00 00-0085	EA	MPPT Charge Controller (Xantrex XW SCC)	1,339.94	63.03
26 31 00 00-0086		**Photovoltaic Batteries** *(26 31)*		
26 31 00 00-0087		**Concorde Photovoltaic Batteries** *(26 31 00 00-0086)*		
26 31 00 00-0088	EA	34 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-340T)	298.75	18.91
26 31 00 00-0089	EA	45 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-420T)	376.59	25.21
26 31 00 00-0090	EA	49 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-490T)	408.22	25.21
26 31 00 00-0091	EA	56 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-560T)	467.03	37.82
26 31 00 00-0092	EA	69 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-690T)	532.26	37.82
26 31 00 00-0093	EA	89 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-890T)	631.85	44.12
26 31 00 00-0094	EA	104 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1040T)	724.65	50.43
26 31 00 00-0095	EA	108 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1080T)	716.21	50.43
26 31 00 00-0096	EA	210 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2120T)	1,315.68	59.88

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0097	EA	255 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2580T)	1,522.03	63.03
26 31 00 00-0098		**Deka Photovoltaic Batteries** *(26 31 00 00-0086)*		
26 31 00 00-0099	EA	31 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8GU1)	312.21	31.57
26 31 00 00-0100	EA	50 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G22NF)	430.71	31.57
26 31 00 00-0101	EA	74 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G24)	636.27	31.57
26 31 00 00-0102	EA	86 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G27)	728.16	31.57
26 31 00 00-0103	EA	98 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G31)	730.58	31.57
26 31 00 00-0104	EA	183 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G4D)	1,417.38	31.57
26 31 00 00-0105	EA	225 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G8D)	1,639.86	31.57
26 31 00 00-0106		**Battery Enclosures** *(26 31 00 00-0086)*		
26 31 00 00-0107	EA	14" x 12" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge 55-2501-010)	353.23	31.52
26 31 00 00-0108	EA	22" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS1GC)	1,739.01	31.57
26 31 00 00-0109	EA	37" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS2GCL)	1,635.03	31.57
26 31 00 00-0110	EA	37" x 16" x 14.5" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS4GC)	2,179.14	31.57
26 31 00 00-0111	EA	15" x 17.1" x 8.4" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSLCF1)	969.99	31.57
26 31 00 00-0112	EA	31" x 36" x 14" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSBR827BP)	2,283.13	31.57
26 31 00 00-0113		**Photovoltaic System Monitoring** *(26 31)*		
26 31 00 00-0114	EA	Solar Inverter Monitor (Xantrex 864-0203)	745.64	63.03
26 31 00 00-0115	EA	Photovoltaic System Monitoring, Remote Diagnosis, Data Storage Communication Hub (SMA Sunny WebBox)	1,548.47	31.52
26 31 00 00-0116	EA	Sun Radiation And Temperature Monitor (SMA Sunny SensorBox)	1,293.41	31.52
26 31 00 00-0117	EA	PT100 Ambient Temperature Sensor For Sunny SensorBox (SMA)	236.71	31.52
26 31 00 00-0118	EA	Wind Sensor Accessory For Sunny SensorBox (SMA)	586.23	63.03
26 31 00 00-0119	EA	Sunny Boy Control with RS485 (SMA)	1,523.08	31.52
26 31 00 00-0120	EA	RS 485 Module (SMA)	344.50	31.52
26 31 00 00-0121	EA	RS 232 Module (SMA)	353.23	31.52
26 31 00 00-0122	EA	Wireless Monitor with Bluetooth (SMA Sunny Beam)	662.23	
26 31 00 00-0123	EA	Bluetooth Piggy-Back Computer Card (SMA)	357.93	31.52
26 31 00 00-0124	EA	RS485-N Communication Computer Card (SMA)	355.50	31.52
26 31 00 00-0125	EA	Bluetooth Repeater (SMA)	673.56	31.52
26 31 00 00-0126	EA	Sunny Boy PC Service Cable (SMA)	320.44	9.46
26 31 00 00-0127	EA	Integrated Revenue Grade Meter, Option (PVPowered)	6,202.94	
26 31 00 00-0128	EA	Data Monitoring Module (PVPowered PVM1010)	672.14	31.52
26 31 00 00-0129	EA	Wireless IG Personal Display (Fronius 4,240,108)	672.84	
26 31 00 00-0130	EA	DatCom Power Supply (Fronius 43,0001,2311)	219.88	
26 31 00 00-0131	EA	Wireless Card For IG Personal Display (Fronius 4,240,008,Z)	399.12	31.52
26 31 00 00-0132	EA	Retrofit Solar Inverter Interface And Power Supply Option Communication Card (Fronius 4,240,001,Z)	337.21	31.52
26 31 00 00-0133	EA	Datalogger Pro Box (Fronius 4,240,102)	1,333.32	31.52
26 31 00 00-0134	EA	Datalogger Easy Box (Fronius 4,240,103)	866.23	31.52
26 31 00 00-0135	EA	Datalogger Interface Box (Fronius 4,240,105)	1,505.69	31.52
26 31 00 00-0136	EA	Datalogger Web (Fronius 4,240,122)	2,589.55	31.52
26 31 00 00-0137	EA	Interface Box (Fronius 4,240,109)	693.49	31.52
26 31 00 00-0138	EA	Interface Card (Fronius 4,240,009,Z)	493.93	31.52
26 31 00 00-0139	EA	Interface Card Easy (Fronius 4,240,013,Z)	324.65	31.52
26 31 00 00-0140	EA	Sensor Box (Fronius 4,240,104)	1,392.66	31.52
26 31 00 00-0141	EA	Ambient Temperature Sensor (Fronius 43,0001,1188)	151.67	31.52
26 31 00 00-0142	EA	Irradiance Sensor (Fronius 43,0001,1188)	481.65	31.52
26 31 00 00-0143	EA	Module Temperature Sensor (Fronius 43,0001,1190)	536.77	31.52
26 31 00 00-0144	EA	Wind Speed Sensor (Fronius 42,0411,0027)	279.46	63.03
26 31 00 00-0145		**Photovoltaic System Accessories** *(26 31)*		
26 31 00 00-0146	EA	Four Inverter Bypass Switch (OutBack AC-IOB-100Q)	1,023.82	63.03
26 31 00 00-0147	EA	Line Communication Filter (Enphase LCF)	2,232.73	126.07
26 31 00 00-0148	EA	15 Meter RS 485 Communication Cable (SMA)	171.26	9.46
26 31 00 00-0149	EA	15 Meter RS 232 Communication Cable (SMA)	258.32	9.46
26 31 00 00-0150	EA	24" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	39.17	3.12
26 31 00 00-0151	EA	36" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	42.09	3.12
26 31 00 00-0152	EA	48" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	43.74	3.12
26 31 00 00-0153	EA	72" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	48.31	3.12
26 31 00 00-0154	EA	120" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	55.17	3.12
26 31 00 00-0155	EA	240" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	87.47	6.24
26 31 00 00-0156	EA	360" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	108.75	6.24
26 31 00 00-0157	EA	420" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	142.62	9.36
26 31 00 00-0158	EA	36" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	49.45	3.12
26 31 00 00-0159	EA	120" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	68.88	3.12
26 31 00 00-0160	EA	240" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	101.18	6.24
26 31 00 00-0161	EA	360" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	135.46	6.24
26 31 00 00-0162	EA	600" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	219.50	12.48
26 31 00 00-0163	EA	1200" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	229.18	12.48
26 31 00 00-0164	EA	Lighting Kit, 9 Watt Fluorescent, 12 Volt, 4.5 Ampere Hours Battery Note: Tamper proof enclosure.	4,083.89	340.38
26 31 00 00-0165		**Photovoltaic Mounting Systems** *(26 31)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0166	LF	Anodized Aluminum Photovoltaic Module Mounting Rail (UNIRAC SolarMount Standard)	13.81	3.15
26 31 00 00-0167	EA	Splice Bar For Photovoltaic Module Mounting Rail (UNIRAC 310229)	39.10	15.75
26 31 00 00-0168	EA	Splice Plate For Photovoltaic Module Mounting Rail (UNIRAC 310216)	49.87	15.75
26 31 00 00-0169	EA	8" x 3/8" Hanger Bolt (UNIRAC 310046) Note: Supports mounting rail above tile or metal roof.	26.49	6.30
26 31 00 00-0170	EA	Mounting Rail Grounding Clip (UNIRAC 980006) Note: One grounding clip for every two top mounting clamps (end clamps + mid clamps) in your installation. Only one of the two rails in each row requires grounding clips.	12.47	4.73
26 31 00 00-0171	EA	Mounting Rail Grounding Lugs (UNIRAC 980012) Note: Two grounding lugs for each rail splice and one additional lug for each rail.	26.99	6.30
26 31 00 00-0172	EA	Anodized Aluminum Photovoltaic Module Mounting End Clamp (UNIRAC 320002) Note: Four for each row of modules you plan to mount.	7.21	2.10
26 31 00 00-0173	EA	Anodized Aluminum Photovoltaic Module Mounting Mid Clamp (UNIRAC 320008) Note: For each row, take one less than the number of modules in the row and multiply that figure by 2.	7.56	2.10
26 31 00 00-0174	EA	Photovoltaic Module Mount L-Feet (UNIRAC 310065)	18.64	6.30
26 31 00 00-0175	EA	12" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310121) Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.	111.44	31.52
26 31 00 00-0176	EA	30" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310122) Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.	123.63	31.52
26 31 00 00-0177	EA	44" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310123) Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.	133.45	31.52
26 31 00 00-0178	EA	12" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310107) Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	163.62	47.27
26 31 00 00-0179	EA	44" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310108) Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	200.18	47.27
26 31 00 00-0180	EA	72" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310109) Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	233.36	47.27
26 31 00 00-0181	EA	18" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310111) Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	256.08	63.03
26 31 00 00-0182	EA	64" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310112) Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	343.43	63.03
26 31 00 00-0183	EA	104" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310110) Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	482.29	94.55
26 31 00 00-0184	EA	Ballasted Photovoltaic Module Frame (UNIRAC 310351) Note: Excludes ballast.	235.39	
26 31 00 00-0185	EA	Ballasted Photovoltaic Module Frame With Module Mount (UNIRAC 310355) Note: Excludes ballast.	439.26	
26 31 00 00-0186	EA	3" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310051)	87.10	31.52
26 31 00 00-0187	EA	4" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310052)	88.22	31.52
26 31 00 00-0188	EA	6" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310053)	89.24	31.52
26 31 00 00-0189	EA	7" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310054)	91.81	31.52
26 31 00 00-0190	EA	3" High Aluminum Photovoltaic Module Standoff (UNIRAC 310553)	80.30	31.52
26 31 00 00-0191	EA	4" High Aluminum Photovoltaic Module Standoff (UNIRAC 310554)	81.59	31.52
26 31 00 00-0192	EA	6" High Aluminum Photovoltaic Module Standoff (UNIRAC 310555)	85.38	31.52
26 31 00 00-0193	EA	7" High Aluminum Photovoltaic Module Standoff (UNIRAC 310556)	84.30	31.52
26 31 00 00-0194	EA	3" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310390)	168.36	47.27
26 31 00 00-0195	EA	4" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310391)	169.14	47.27
26 31 00 00-0196	EA	7" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310394)	171.44	47.27
26 31 00 00-0197	EA	Photovoltaic Module Rapidfoot Standoff Assembly (UNIRAC 310370)	169.03	47.27
26 31 00 00-0198	EA	Photovoltaic Module Standoff Flashing (UNIRAC 990103)	33.88	6.30
26 31 00 00-0199	EA	Photovoltaic Module Standoff Ethylene Propylene Diene Monomer (EPDM) Patch (UNIRAC 990161)	22.12	6.30
26 31 00 00-0200	EA	1/4" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004030M-0100)	42.20	9.46
26 31 00 00-0201	EA	3/8" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004031M-0100)	43.96	9.46
26 31 00 00-0202	EA	Photovoltaic Module Standing Seam Metal Roof Mounting Clamp (UNIRAC 004032M-0100) Note: Mid or end clamp.	12.33	2.10
26 31 00 00-0203	EA	Photovoltaic Module Tile Roof Mounting Hook (UNIRAC 905011C-0024)	56.51	6.30
26 31 00 00-0204	EA	Photovoltaic Module Wire Clip (UNIRAC 908002S-0100)	2.84	

26 32 Packaged Generator Assemblies *(26 30)*

26 32 13 Engine Generators *(26 32)*

See CSI section 23 13 23 13-0001 for fuel storage tanks.

26 32 13 13 Diesel-Engine-Driven Generator Sets *(26 32 13)*

See CSI section 01 22 23 00-0824 for fuel reimbursment for commissioning.

26 32 13 13-0001 Diesel Generator Sets (Cummins) *(26 32 13 13)*

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad without enclosure. Includes manufacturer's representative at startup. Excludes fuel, fuel tank, enclosure, active diesel particulate filter, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0803 for loadbank rental, 01 22 23 00-0824 for fuel reimbursement, 23 13 23 13-0001 for fuel day tank, 26 36 23 00-0000 for automatic transfer switch.

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0002	EA	20 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	33,927.43	1,090.40
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*5,129.38*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*13,060.29*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*18,944.48*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*25,259.31*	
		For Single Phase, Add	*1,266.91*	
26 32 13 13-0003	EA	25 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	35,682.07	1,151.74
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*5,129.38*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*13,060.29*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*18,944.48*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*25,259.31*	
26 32 13 13-0004	EA	30 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	37,461.49	1,216.48
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*5,129.38*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*13,060.29*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*18,944.48*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*25,259.31*	
		For Single Phase, Add	*1,397.02*	
26 32 13 13-0005	EA	35 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	38,227.73	1,342.56
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*5,129.38*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*13,060.29*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*18,944.48*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*25,259.31*	
26 32 13 13-0006	EA	40 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	39,007.74	1,472.04
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*5,129.38*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*13,060.29*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*18,944.48*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*25,259.31*	
26 32 13 13-0007	EA	50 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	45,769.12	1,690.13
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*5,129.38*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*13,060.29*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*18,944.48*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*25,259.31*	
26 32 13 13-0008	EA	60 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	49,315.70	1,942.28
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*5,129.38*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*13,060.29*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*18,944.48*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*25,259.31*	
26 32 13 13-0009	EA	80 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	57,936.43	2,276.22
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*5,129.38*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*13,060.29*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*18,944.48*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*25,259.31*	
26 32 13 13-0010	EA	100 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	62,275.71	2,644.22
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*7,780.18*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*18,454.63*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*24,606.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*16,756.59*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*20,144.88*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*26,859.84*	
26 32 13 13-0011	EA	125 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	63,708.53	3,134.90
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*7,780.18*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*18,454.63*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*24,606.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*16,756.59*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*20,144.88*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*26,859.84*	
26 32 13 13-0012	EA	150 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	70,428.18	3,455.21
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*7,780.18*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*18,454.63*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*24,606.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*16,756.59*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*20,144.88*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*26,859.84*	
26 32 13 13-0013	EA	175 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	73,995.94	3,857.29
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*7,780.18*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*18,454.63*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*24,606.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*16,756.59*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*20,144.88*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*26,859.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0014	EA	200 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	78,640.28	4,225.31
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*7,780.18*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*18,454.63*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*24,606.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*16,756.59*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*20,144.88*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*26,859.84*	
26 32 13 13-0015	EA	230 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	84,775.39	4,463.83
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*7,780.18*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*18,454.63*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*24,606.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*16,756.59*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*20,144.88*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*26,859.84*	
26 32 13 13-0016	EA	250 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	88,358.22	4,647.84
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*50,456.40*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*55,869.88*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*74,493.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*61,196.04*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*68,293.77*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*91,058.36*	
26 32 13 13-0017	EA	275 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	96,151.50	4,899.99
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*50,456.40*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*55,869.88*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*74,493.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*61,196.04*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*68,293.77*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*91,058.36*	
26 32 13 13-0018	EA	300 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	98,246.89	5,118.07
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*50,456.40*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*55,869.88*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*74,493.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*61,196.04*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*68,293.77*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*91,058.36*	
26 32 13 13-0019	EA	350 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	110,746.20	5,724.61
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*50,456.40*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*55,869.88*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*74,493.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*61,196.04*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*68,293.77*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*91,058.36*	
26 32 13 13-0020	EA	400 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	119,222.37	6,269.81
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*50,456.40*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*55,869.88*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*74,493.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*61,196.04*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*68,293.77*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*91,058.36*	
26 32 13 13-0021	EA	450 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	134,590.83	6,753.67
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*50,456.40*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*55,869.88*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*74,493.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*61,196.04*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*68,293.77*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*91,058.36*	
26 32 13 13-0022	EA	500 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	141,554.92	7,196.65
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*50,456.40*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*55,869.88*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*74,493.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*61,196.04*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*68,293.77*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*91,058.36*	
26 32 13 13-0023	EA	600 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	205,664.59	7,925.85
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*103,073.17*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*124,124.18*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*165,498.90*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*121,234.12*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*144,602.80*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*192,803.73*	
26 32 13 13-0024	EA	750 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	235,519.02	8,716.40
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*103,073.17*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*124,124.18*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*165,498.90*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*121,234.12*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*144,602.80*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*192,803.73*	
26 32 13 13-0025	EA	800 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	245,936.64	8,907.21
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*103,073.17*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*124,124.18*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*165,498.90*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*121,234.12*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*144,602.80*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*192,803.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0026	EA	900 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	299,977.52	9,602.35
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*103,073.17*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*124,124.18*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*165,498.90*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*121,234.12*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*144,602.80*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*192,803.73*	
26 32 13 13-0027	EA	1,000 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	335,098.29	10,222.52
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*103,073.17*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*124,124.18*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*165,498.90*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*121,234.12*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*144,602.80*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*192,803.73*	

26 32 13 13-0028 Diesel Generator Sets (Generac SD) *(26 32 13 13)*

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with 24 hour run time fuel tank, radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad. Includes startup and training. Excludes fuel, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0803 for loadbank rental, 01 22 23 00-0824 for fuel reimbursement, 26 36 23 00-0000 for automatic transfer switch.

26 32 13 13-0029	EA	10 KW, Industrial, Diesel Generator Set (Generac SD)	21,950.98	681.50
		For Steel Weather Protective Housing, Add	*3,083.85*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*5,710.73*	
26 32 13 13-0030	EA	15 KW, Industrial, Diesel Generator Set (Generac SD)	22,384.30	817.80
		For Steel Weather Protective Housing, Add	*3,083.85*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*5,710.73*	
26 32 13 13-0031	EA	20 KW, Industrial, Diesel Generator Set (Generac SD)	23,189.09	913.21
		For Steel Weather Protective Housing, Add	*3,083.85*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*5,710.73*	
26 32 13 13-0032	EA	25 KW, Industrial, Diesel Generator Set (Generac SD)	24,908.78	1,090.40
		For Steel Weather Protective Housing, Add	*3,083.85*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*5,710.73*	
26 32 13 13-0033	EA	30 KW, Industrial, Diesel Generator Set (Generac SD)	25,473.99	1,216.48
		For Steel Weather Protective Housing, Add	*3,083.85*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*5,710.73*	
26 32 13 13-0034	EA	35 KW, Industrial, Diesel Generator Set (Generac SD)	28,240.89	1,342.56
		For Steel Weather Protective Housing, Add	*3,083.85*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*5,710.73*	
26 32 13 13-0035	EA	40 KW, Industrial, Diesel Generator Set (Generac SD)	28,725.07	1,472.04
		For Steel Weather Protective Housing, Add	*3,083.85*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*5,710.73*	
26 32 13 13-0036	EA	50 KW, Industrial, Diesel Generator Set (Generac SD)	29,746.22	1,690.13
		For Steel Weather Protective Housing, Add	*3,083.85*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*5,710.73*	
26 32 13 13-0037	EA	60 KW, Industrial, Diesel Generator Set (Generac SD)	32,485.86	1,942.28
		For Steel Weather Protective Housing, Add	*3,738.00*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*7,504.97*	
26 32 13 13-0038	EA	80 KW, Industrial, Diesel Generator Set (Generac SD)	39,121.45	2,276.22
		For Steel Weather Protective Housing, Add	*3,738.00*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*8,092.77*	
26 32 13 13-0039	EA	100 KW, Industrial, Diesel Generator Set (Generac SD)	40,850.84	2,616.96
		For Steel Weather Protective Housing, Add	*5,544.08*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*9,898.85*	
26 32 13 13-0040	EA	135 KW, Industrial, Diesel Generator Set (Generac SD)	50,703.59	3,203.05
		For Steel Weather Protective Housing, Add	*5,544.08*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*10,234.33*	
26 32 13 13-0041	EA	150 KW, Industrial, Diesel Generator Set (Generac SD)	53,432.01	3,455.21
		For Steel Weather Protective Housing, Add	*5,544.08*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*10,234.33*	
26 32 13 13-0042	EA	180 KW, Industrial, Diesel Generator Set (Generac SD)	60,723.73	3,918.63
		For Steel Weather Protective Housing, Add	*5,544.08*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*10,234.33*	
26 32 13 13-0043	EA	200 KW, Industrial, Diesel Generator Set (Generac SD)	60,757.38	4,225.31
		For Steel Weather Protective Housing, Add	*6,952.68*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*11,642.94*	
26 32 13 13-0044	EA	230 KW, Industrial, Diesel Generator Set (Generac SD)	73,337.14	4,463.83
		For Steel Weather Protective Housing, Add	*6,952.68*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*18,720.84*	
26 32 13 13-0045	EA	250 KW, Industrial, Diesel Generator Set (Generac SD)	78,000.12	4,647.84
		For Steel Weather Protective Housing, Add	*6,952.68*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*18,720.84*	
26 32 13 13-0046	EA	275 KW, Industrial, Diesel Generator Set (Generac SD)	80,113.33	4,899.99
		For Steel Weather Protective Housing, Add	*10,591.00*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*22,359.16*	
26 32 13 13-0047	EA	300 KW, Industrial, Desel Generator Set (Generac SD)	87,775.97	5,118.07
		For Steel Weather Protective Housing, Add	*10,591.00*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*22,359.16*	
26 32 13 13-0048	EA	350 KW, Industrial, Diesel Generator Set (Generac SD)	95,304.40	5,724.61
		For Steel Weather Protective Housing, Add	*10,591.00*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*23,007.70*	
26 32 13 13-0049	EA	400 KW, Industrial, Diesel Generator Set (Generac SD)	102,388.95	6,133.51
		For Steel Weather Protective Housing, Add	*10,591.00*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*23,007.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0050	EA	500 KW, Industrial, Diesel Generator Set (Generac SD)	113,925.96	7,196.65
		For Steel Weather Protective Housing, Add	*17,755.50*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*25,302.52*	
26 32 13 13-0051	EA	600 KW, Industrial, Diesel Generator Set (Generac SD)	153,248.45	7,925.85
		For Steel Weather Protective Housing, Add	*23,119.53*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*35,536.23*	

26 32 13 13-0052 Diesel Generator Sets (Kohler) *(26 32 13 13)*

Note: 3 Phase, 4-Wire 480/277, 416/240 or 380/220 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad. Includes manufacturer's representative at startup. Excludes fuel, fuel tank, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0803 for loadbank rental, 01 22 23 00-0824 for fuel reimbursement, 23 13 23 13-0001 for fuel day tank, 26 36 23 00-0000 for automatic transfer switch.

26 32 13 13-0053	EA	80 KW Diesel Generator Set, 3 Phase (Kohler 80REOZJ)	31,863.21	2,276.22
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*5,129.38*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*13,060.29*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*18,944.48*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*25,259.31*	
26 32 13 13-0054	EA	100 KW Diesel Generator Set, 3 Phase (Kohler 100REOZJ)	33,510.81	2,644.22
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*7,780.18*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*18,454.63*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*24,606.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*16,756.59*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*20,144.88*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*26,859.84*	
26 32 13 13-0055	EA	125 KW Diesel Generator Set, 3 Phase (Kohler 125REOZJ)	42,139.30	3,134.90
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*7,780.18*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*18,454.63*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*24,606.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*16,756.59*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*20,144.88*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*26,859.84*	
26 32 13 13-0056	EA	150 KW Diesel Generator Set, 3 Phase (Kohler 150REOZJ)	43,578.53	3,455.21
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*7,780.18*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*18,454.63*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*24,606.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*16,756.59*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*20,144.88*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*26,859.84*	
26 32 13 13-0057	EA	200 KW Diesel Generator Set, 3 Phase (Kohler 200REOZJ)	51,818.44	4,225.31
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*7,780.18*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*18,454.63*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*24,606.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*16,756.59*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*20,144.88*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*26,859.84*	
26 32 13 13-0058	EA	250 KW Diesel Generator Set, 3 Phase (Kohler 250REOZJ)	64,272.24	4,647.84
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*50,456.40*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*55,869.88*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*74,493.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*61,196.04*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*68,293.77*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*91,058.36*	
26 32 13 13-0059	EA	300 KW Diesel Generator Set, 3 Phase (Kohler 300REOZJ)	70,448.04	5,118.07
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*50,456.40*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*55,869.88*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*74,493.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*61,196.04*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*68,293.77*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*91,058.36*	
26 32 13 13-0060	EA	350 KW Diesel Generator Set, 3 Phase (Kohler 350REOZJ)	77,976.11	5,724.61
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*50,456.40*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*55,869.88*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*74,493.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*61,196.04*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*68,293.77*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*91,058.36*	
26 32 13 13-0061	EA	400 KW Diesel Generator Set, 3 Phase (Kohler 400REOZJ)	82,896.53	6,269.81
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*50,456.40*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*55,869.88*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*74,493.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*61,196.04*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*68,293.77*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*91,058.36*	
26 32 13 13-0062	EA	500 KW Diesel Generator Set, 3 Phase (Kohler 500REOZJ)	98,079.13	7,196.65
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*50,456.40*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*55,869.88*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*74,493.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*61,196.04*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*68,293.77*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*91,058.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0063	EA	600 KW Diesel Generator Set, 3 Phase (Kohler 600REOZJ)	121,404.55	7,925.85
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*103,073.17*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*124,124.18*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*165,498.90*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*121,234.12*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*144,602.80*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*192,803.73*	
26 32 13 13-0064	EA	1,250 KW Diesel Generator Set, 3 Phase (Kohlar REOZDD)	466,411.83	10,563.26
26 32 13 13-0065	EA	1,500 KW Diesel Generator Set, 3 Phase (Kohlar REOZDD)	476,701.15	10,904.01
26 32 13 13-0066	EA	1,750 KW Diesel Generator Set, 3 Phase (Kohlar REOZDD)	557,629.19	11,244.76
26 32 13 13-0067	EA	2,000 KW Diesel Generator Set, 3 Phase (Kohlar REOZDD)	657,432.61	11,585.52
26 32 13 13-0068	EA	2,250 KW Diesel Generator Set, 3 Phase (Kohlar REOZDD)	748,578.35	11,926.27
26 32 13 13-0069	EA	2,500 KW Diesel Generator Set, 3 Phase (Kohlar REOZDB)	943,267.52	12,267.02
26 32 13 13-0070	EA	2,800 KW Diesel Generator Set, 3 Phase (Kohlar REOZDB)	1,137,956.71	12,607.77
26 32 13 13-0071	EA	3,000 KW Diesel Generator Set, 3 Phase (Kohlar REOZD)	1,301,910.64	13,289.27
26 32 13 13-0072	EA	3,250 KW Diesel Generator Set, 3 Phase (Kohlar REOZD)	1,389,767.07	13,970.77
26 32 13 13-0073	EA	4,000 KW Diesel Generator Set, 3 Phase (Caterpillar C175)	2,028,222.78	16,015.28

26 32 13 13-0074 Diesel Generator Sets (Taylor) *(26 32 13 13)*

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad without enclosure. Includes manufacturer's representative at startup. Excludes fuel tank, enclosure, active diesel particulate filter, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0803 for loadbank rental, 23 13 23 13-0001 for fuel day tank, 26 36 23 00-0000 for automatic transfer switch.

26 32 13 13-0075	EA	9 KW Diesel Generator Set, 3 Phase (Taylor TD9)	24,719.87	816.98
26 32 13 13-0076	EA	13 KW Diesel Generator Set, 3 Phase (Taylor TD13)	25,415.65	921.52
26 32 13 13-0077	EA	20 KW Diesel Generator Set, 3 Phase (Taylor TD20)	26,597.31	1,028.38
26 32 13 13-0078	EA	28 KW Diesel Generator Set, 3 Phase (Taylor TD28)	29,543.04	1,153.51
26 32 13 13-0079	EA	30 KW Diesel Generator Set, 3 Phase (Taylor TD30)	30,909.13	1,216.48
26 32 13 13-0080	EA	55 KW Diesel Generator Set, 3 Phase (Taylor TD55)	34,576.97	1,816.20
26 32 13 13-0081	EA	60 KW Diesel Generator Set, 3 Phase (Taylor TD60)	37,510.42	1,942.28
26 32 13 13-0082	EA	80 KW Diesel Generator Set, 3 Phase (Taylor TD80)	40,284.57	2,276.22
26 32 13 13-0083	EA	100 KW Diesel Generator Set, 3 Phase (Taylor TD100)	41,839.53	2,644.22
26 32 13 13-0084	EA	125 KW Diesel Generator Set, 3 Phase (Taylor TD125)	55,712.73	3,134.90
26 32 13 13-0085	EA	140 KW Diesel Generator Set, 3 Phase (Taylor TD140)	56,640.98	3,295.06
26 32 13 13-0086	EA	150 KW Diesel Generator Set, 3 Phase (Taylor TD150)	57,627.38	3,455.21
26 32 13 13-0087	EA	175 KW Diesel Generator Set, 3 Phase (Taylor TD175)	61,417.36	3,857.29
26 32 13 13-0088	EA	200 KW Diesel Generator Set, 3 Phase (Taylor TD200)	64,247.73	4,225.31
26 32 13 13-0089	EA	250 KW Diesel Generator Set, 3 Phase (Taylor TD250)	77,987.36	4,647.84
26 32 13 13-0090	EA	300 KW Diesel Generator Set, 3 Phase (Taylor TD300)	88,366.66	5,118.07
26 32 13 13-0091	EA	350 KW Diesel Generator Set, 3 Phase (Taylor TD350)	96,508.48	5,724.61
26 32 13 13-0092	EA	400 KW Diesel Generator Set, 3 Phase (Taylor TD400)	99,049.57	6,269.81
26 32 13 13-0093	EA	450 KW Diesel Generator Set, 3 Phase (Taylor TD450)	106,926.00	6,753.67
26 32 13 13-0094	EA	500 KW Diesel Generator Set, 3 Phase (Taylor TD500)	112,438.00	7,196.65
26 32 13 13-0095	EA	550 KW Diesel Generator Set, 3 Phase (Taylor TD550)	115,659.13	7,561.26
26 32 13 13-0096	EA	600 KW Diesel Generator Set, 3 Phase (Taylor TD600)	142,465.04	7,925.85

26 32 13 13-0097 Diesel Particulate Filters *(26 32 13 13)*

26 32 13 13-0098	EA	Up To 50 KW Diesel Generator, Active Diesel Particulate Filter With Stainless Steel Enclosure Note: Includes 304 stainless steel housing, CARB Level 3+ Verified, and 4KW rated. Requires 480 volt, 3 phase power to a supplied 20 amp CB.	37,238.27	
26 32 13 13-0099	EA	>50 To 75 KW Diesel Generator, Active Diesel Particulate Filter With Stainless Steel Enclosure Note: Includes 304 stainless steel housing, CARB Level 3+ Verified, and 4KW rated. Requires 480 volt, 3 phase power to a supplied 20 amp CB.	48,683.67	
26 32 13 13-0100	EA	>75 To 100 KW Diesel Generator, Active Diesel Particulate Filter With Stainless Steel Enclosure Note: Includes 304 stainless steel housing, CARB Level 3+ Verified, and 4KW rated. Requires 480 volt, 3 phase power to a supplied 20 amp CB.	58,989.03	
26 32 13 13-0101	EA	>100 To 200 KW Diesel Generator, Active Diesel Particulate Filter With Stainless Steel Enclosure Note: Includes 304 stainless steel housing, CARB Level 3+ Verified, and 4KW rated. Requires 480 volt, 3 phase power to a supplied 20 amp CB.	72,363.23	
26 32 13 13-0102	EA	>200 To 500 KW Diesel Generator, Active Diesel Particulate Filter With Stainless Steel Enclosure Note: Includes 304 stainless steel housing, CARB Level 3+ Verified, and 4KW rated. Requires 480 volt, 3 phase power to a supplied 20 amp CB.	85,061.14	
26 32 13 13-0103	EA	>500 To 1,000 KW Diesel Generator, Active Diesel Particulate Filter With Stainless Steel Enclosure Note: Includes 304 stainless steel housing, CARB Level 3+ Verified, and 4KW rated. Requires 480 volt, 3 phase power to a supplied 20 amp CB.	106,262.08	

26 32 13 13-0104 Diesel Generator Sets (Cummins) *(26 32 13 13)*

Note: 3 Phase, 4-Wire 4208/120 Volt complete with level 2 sound enclosure. Includes installation, manufacturer's representative for startup. Excludes fuel, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0803 for loadbank rental, 01 22 23 00-0824 for fuel reimbursement, 26 36 23 00-0000 for automatic transfer switch.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0105	EA	15 kW, 60 Hz, Standby, Diesel Generator Set, 3 Phase (Cummins C15D6) Note: Includes: 1) Duty Rating-Standby Power (ESP), Emission Certification, EPA, Tier 4i, NSPS CI Stationary Emer. 2) Listing-UL 2200, NFPA 110 Type 10 Level 1 Capable 3) Cert-Seismic, IBC2000, IBC2003, IBC2006, IBC2009, IBC2011 4) Voltage-120/208, 3 Phase, Wye, 4 Wire 5) Alternator-60Hz, 12L, 208/120V, 120C, 40C Ambient, Alternator Heater, 120 Volt AC 6) Aluminum Sound Attenuated Level 2 Enclosure, with Exhaust System 7) Enclosure Color-Sandstone, Aluminum and Wind Load 180 MPH, ASCE7-10 8) Relays-Auxiliary, Qty 2, 25A-15V DC/10A-30V DC 9) Signals-Auxiliary, 8 Inputs/8 Outputs 10) Engine Air Cleaner-Heavy Duty 11) Battery Charging Alternator and Battery Charger-6 Amp, Regulated 12) Engine Cooling-Radiator, High Ambient Air Temperature, Ship Fitted 13) Battery Rack 14) Sandstone Sound Level 2 Intake Baffle-Ship Loose	51,270.78	1,090.40

26 32 13 13-0106 Fuel Level Alarm And Float Switch *(26 32 13 13)*

26 32 13 13-0107	EA	Liquid Level Tank Alarm and 3 Level Float Switch (Cummins)	6,273.73	

26 32 13 19 Natural Gas-Engine-Driven Generator Sets *(26 32 13)*

26 32 13 19-0001 Natural Gas Or Propane Generator Sets (Cummins) *(26 32 13 19)*

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad without enclosure. Includes manufacturer's representative at startup. Excludes fuel, fuel tank, enclosure, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0803 for loadbank rental, 01 22 23 00-0824 for fuel reimbursement, 26 36 23 00-0000 for automatic transfer switches.

26 32 13 19-0002	EA	20 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMA)	15,152.84	913.21
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,665.25*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*5,052.81*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*8,383.09*	
26 32 13 19-0003	EA	25 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMB)	17,120.70	1,090.40
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,665.25*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*5,052.81*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*8,383.09*	
26 32 13 19-0004	EA	29 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMC)	19,758.63	1,213.07
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,665.25*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*5,052.81*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*8,383.09*	
26 32 13 19-0005	EA	35 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPA)	22,411.91	1,342.56
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,665.25*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*14,292.39*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*23,988.92*	
26 32 13 19-0006	EA	40 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPB)	25,149.86	1,472.04
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,665.25*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*14,292.39*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*23,988.92*	
26 32 13 19-0007	EA	45 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPC)	27,255.89	1,587.90
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,665.25*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*14,292.39*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*23,988.92*	
26 32 13 19-0008	EA	60 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHE)	29,838.99	1,942.28
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,665.25*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*14,292.39*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*23,988.92*	
26 32 13 19-0009	EA	70 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHF)	32,026.47	2,173.99
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,665.25*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*14,292.39*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*23,988.92*	
26 32 13 19-0010	EA	85 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHG)	41,986.50	2,323.92
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*8,502.70*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*18,454.63*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*24,606.17*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*16,756.59*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*23,988.92*	
26 32 13 19-0011	EA	100 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHH)	50,574.38	2,616.96
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*8,502.70*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*18,454.63*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*24,606.17*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*16,756.59*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*23,988.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 19-0012	EA	125 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGLA)	57,936.91	3,134.90
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*8,502.70*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*18,454.63*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*24,606.17*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*16,756.59*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*23,988.92*	
26 32 13 19-0013	EA	150 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGLB)	68,833.69	3,455.21
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*8,502.70*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*18,454.63*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*24,606.17*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*16,756.59*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*23,988.92*	
26 32 13 19-0014	EA	175 KW Natural Gas Generator Set, 3 Phase (Cummins GFBA)	111,173.44	9,190.58
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*45,374.87*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*50,228.52*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*66,971.36*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*49,611.87*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*74,447.71*	
26 32 13 19-0015	EA	205 KW Natural Gas Generator Set, 3 Phase (Cummins GFBB)	126,185.82	4,150.34
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*45,374.87*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*50,228.52*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*66,971.36*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*49,611.87*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*74,447.71*	
26 32 13 19-0016	EA	250 KW Natural Gas Generator Set, 3 Phase (Cummins GFBC)	135,708.89	4,647.84
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*45,374.87*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*50,228.52*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*66,971.36*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*49,611.87*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*74,447.71*	
26 32 13 19-0017	EA	300 KW Natural Gas Generator Set, 3 Phase (Cummins GFEA)	175,421.75	5,118.07
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*45,374.87*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*50,228.52*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*66,971.36*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*49,611.87*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*74,447.71*	
26 32 13 19-0018	EA	350 KW Natural Gas Generator Set, 3 Phase (Cummins GFEB)	188,315.52	5,724.61
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*45,374.87*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*50,228.52*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*66,971.36*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*49,611.87*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*74,447.71*	
26 32 13 19-0019	EA	450 KW Natural Gas Generator Set, 3 Phase (Cummins GFGA)	264,445.13	6,753.67
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*99,077.80*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*105,269.42*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*140,359.22*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*112,535.23*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*159,051.30*	
26 32 13 19-0020	EA	500 KW Natural Gas Generator Set, 3 Phase (Cummins GFJB)	338,084.25	7,196.65
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*99,077.80*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*105,269.42*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*140,359.22*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*112,535.23*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*159,051.30*	
26 32 13 19-0021	EA	550 KW Natural Gas Generator Set, 3 Phase (Cummins GFJC)	378,260.83	7,585.10
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*99,077.80*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*105,269.42*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*140,359.22*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*112,535.23*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*159,051.30*	
26 32 13 19-0022	EA	600 KW Natural Gas Generator Set, 3 Phase (Cummins GFLA)	430,783.37	7,925.85
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*99,077.80*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*105,269.42*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*140,359.22*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*112,535.23*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*159,051.30*	
26 32 13 19-0023	EA	650 KW Natural Gas Generator Set, 3 Phase (Cummins GFLB)	450,422.20	8,225.72
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*99,077.80*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*105,269.42*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*140,359.22*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*112,535.23*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*159,051.30*	
26 32 13 19-0024	EA	725 KW Natural Gas Generator Set, 3 Phase (Cummins GFLC)	476,425.39	8,791.36
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*99,077.80*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*105,269.42*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*140,359.22*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*112,535.23*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*159,051.30*	

26 32 13 19-0025 Natural Gas Or Propane Generator Sets (Generac QTA) *(26 32 13 19)*

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad. Includes startup and training. Excludes fuel, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0803 for loadbank rental, 01 22 23 00-0824 for fuel reimbursement, 26 36 23 00-0000 for automatic transfer switches.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 19-0026	EA	25 KW, Commercial, Natural Gas Generator Set (Generac QTA)	17,249.93	1,090.40
		For Steel Weather Protective Housing, Add	*1,165.01*	
		For Aluminum Weather Protective Housing, Add	*1,809.19*	
26 32 13 19-0027	EA	55 KW, Commercial, Natural Gas Generator Set (Generac QTA)	25,649.49	1,819.61
		For Steel Weather Protective Housing, Add	*1,652.20*	
		For Aluminum Weather Protective Housing, Add	*2,125.99*	
26 32 13 19-0028	EA	70 KW, Commercial, Natural Gas Generator Set (Generac QTA)	28,814.44	2,173.99
		For Steel Weather Protective Housing, Add	*2,136.89*	
		For Aluminum Weather Protective Housing, Add	*2,124.12*	
26 32 13 19-0029	EA	80 KW, Commercial, Natural Gas Generator Set (Generac QTA)	30,335.29	2,276.22
		For Steel Weather Protective Housing, Add	*1,652.20*	
		For Aluminum Weather Protective Housing, Add	*2,487.64*	
26 32 13 19-0030	EA	100 KW, Commercial, Natural Gas Generator Set (Generac QTA)	37,043.69	2,616.96
		For Steel Weather Protective Housing, Add	*2,136.89*	
		For Aluminum Weather Protective Housing, Add	*2,289.52*	
26 32 13 19-0031	EA	130 KW, Commercial, Natural Gas Generator Set (Generac QTA)	42,831.34	3,121.27
		For Steel Weather Protective Housing, Add	*2,136.89*	
		For Aluminum Weather Protective Housing, Add	*1,884.89*	
26 32 13 19-0032	EA	150 KW, Commercial, Natural Gas Generator Set (Generac QTA)	48,350.20	3,455.21
		For Steel Weather Protective Housing, Add	*2,136.89*	
		For Aluminum Weather Protective Housing, Add	*1,835.36*	

26 32 13 19-0033 Natural Gas Or Propane Generator Sets (Generac SG) *(26 32 13 19)*

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad. Includes startup and training. Excludes fuel, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0803 for loadbank rental, 01 22 23 00-0824 for fuel reimbursement, 26 36 23 00-0000 for automatic transfer switches.

26 32 13 19-0034	EA	35 KW, Industrial, Natural Gas Or Propane Generator Set (Generac SG)	20,325.68	1,342.56
		For Steel Weather Protective Housing, Add	*3,551.10*	
		For Level 2 Steel Weather/Sound Protective Housing, Add	*6,359.27*	
26 32 13 19-0035	EA	40 KW, Industrial, Natural Gas Or Propane Generator Set (Generac SG)	22,817.16	1,472.04
		For Steel Weather Protective Housing, Add	*3,551.10*	
		For Level 2 Steel Weather/Sound Protective Housing, Add	*6,359.27*	
26 32 13 19-0036	EA	45 KW, Industrial, Natural Gas Or Propane Generator Set (Generac SG)	23,762.84	1,587.90
		For Steel Weather Protective Housing, Add	*3,551.10*	
		For Level 2 Steel Weather/Sound Protective Housing, Add	*6,359.27*	
26 32 13 19-0037	EA	70 KW, Industrial, Natural Gas Generator Set (Generac SG)	31,636.31	2,173.99
		For Steel Weather Protective Housing, Add	*2,136.89*	
		For Level 2 Steel Weather/Sound Protective Housing, Add	*8,880.55*	
26 32 13 19-0038	EA	100 KW, Industrial, Natural Gas Generator Set (Generac SG)	37,748.92	2,616.96
		For Steel Weather Protective Housing, Add	*2,136.89*	
		For Level 2 Steel Weather/Sound Protective Housing, Add	*8,880.55*	
26 32 13 19-0039	EA	130 KW, Industrial, Natural Gas Generator Set (Generac SG)	45,592.48	3,121.27
		For Steel Weather Protective Housing, Add	*2,136.89*	
		For Level 2 Steel Weather/Sound Protective Housing, Add	*8,880.55*	
26 32 13 19-0040	EA	150 KW, Industrial, Natural Gas Generator Set (Generac SG)	75,587.76	3,455.21
		For Steel Weather Protective Housing, Add	*9,345.00*	
		For Level 2 Steel Weather/Sound Protective Housing, Add	*17,035.94*	
26 32 13 19-0041	EA	175 KW, Industrial, Natural Gas Generator Set (Generac SG)	84,034.27	3,857.29
		For Steel Weather Protective Housing, Add	*9,345.00*	
		For Level 2 Steel Weather/Sound Protective Housing, Add	*17,035.94*	
26 32 13 19-0042	EA	200 KW, Industrial, Natural Gas Generator Set (Generac SG)	89,005.44	4,225.31
		For Steel Weather Protective Housing, Add	*9,345.00*	
		For Level 2 Steel Weather/Sound Protective Housing, Add	*17,035.94*	
26 32 13 19-0043	EA	250 KW, Industrial, Natural Gas Generator Set (Generac SG)	127,990.26	4,647.84
		For Steel Weather Protective Housing, Add	*9,345.00*	
		For Level 2 Steel Weather/Sound Protective Housing, Add	*17,035.94*	
26 32 13 19-0044	EA	275 KW, Industrial, Natural Gas Generator Set (Generac SG)	130,563.56	4,899.99
		For Steel Weather Protective Housing, Add	*9,345.00*	
		For Level 2 Steel Weather/Sound Protective Housing, Add	*17,035.94*	
26 32 13 19-0045	EA	300 KW, Industrial, Natural Gas Generator Set (Generac SG)	133,187.37	5,118.07
		For Steel Weather Protective Housing, Add	*9,345.00*	
		For Level 2 Steel Weather/Sound Protective Housing, Add	*17,035.94*	

26 32 13 19-0046 Natural Gas Or Propane Generator Sets (Taylor) *(26 32 13 19)*

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad without enclosure. Includes manufacturer's representative at startup. Excludes fuel tank, enclosure, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0803 for loadbank rental, 26 36 23 00-0000 for automatic transfer switches.

26 32 13 19-0047	EA	30 KW Natural Gas Or Propane Generator Set, 3 Phase (Taylor TG30)	26,933.52	1,216.48
26 32 13 19-0048	EA	40 KW Natural Gas Or Propane Generator Set, 3 Phase (Taylor TG40)	29,351.86	1,458.41
26 32 13 19-0049	EA	60 KW Natural Gas Or Propane Generator Set, 3 Phase (Taylor TG60)	30,621.24	1,942.28
26 32 13 19-0050	EA	80 KW Natural Gas Or Propane Generator Set, 3 Phase (Taylor TG80)	45,383.65	2,276.22
26 32 13 19-0051	EA	100 KW Natural Gas Or Propane Generator Set, 3 Phase (Taylor TG100)	49,335.96	2,644.22
26 32 13 19-0052	EA	125 KW Natural Gas Or Propane Generator Set, 3 Phase (Taylor TG125)	64,715.04	3,134.90
26 32 13 19-0053	EA	150 KW Natural Gas Or Propane Generator Set, 3 Phase (Taylor TG150)	67,809.60	3,455.21
26 32 13 19-0054	EA	200 KW Natural Gas Or Propane Generator Set, 3 Phase (Taylor TG200)	112,367.24	4,225.31
26 32 13 19-0055	EA	250 KW Natural Gas Or Propane Generator Set, 3 Phase (Taylor TG250)	157,276.66	4,647.84
26 32 13 19-0056	EA	350 KW Natural Gas Or Propane Generator Set, 3 Phase (Taylor TG350)	191,789.90	5,724.61
26 32 13 19-0057	EA	400 KW Natural Gas Or Propane Generator Set, 3 Phase (Taylor TG400)	228,708.94	6,269.81

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 19-0058		**Natural Gas Or Propane Generator Sets (Kohler KG)** *(26 32 13 19)* Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad. Includes startup and training. Excludes fuel, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0803 for loadbank rental, 01 22 23 00-0824 for fuel reimbursement, 26 36 23 00-0000 for automatic transfer switches.		
26 32 13 19-0059	EA	40 KW Natural Gas Or Propane Generator Set, 3 Phase (Kohler KG40)	21,026.14	1,472.04
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,665.25*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*14,292.39*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*23,988.92*	
26 32 13 19-0060	EA	45 KW Natural Gas Or Propane Generator Set, 3 Phase (Kohler KG45)	22,209.44	1,587.90
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,665.25*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*14,292.39*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*23,988.92*	
26 32 13 19-0061	EA	50 KW Natural Gas Or Propane Generator Set, 3 Phase (Kohler KG50)	23,911.79	1,703.75
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,665.25*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*14,292.39*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*23,988.92*	
26 32 13 19-0062	EA	60 KW Natural Gas Or Propane Generator Set, 3 Phase (Kohler KG60)	25,167.41	1,942.28
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,665.25*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*14,292.39*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*23,988.92*	
26 32 13 19-0063	EA	80 KW Natural Gas Or Propane Generator Set, 3 Phase (Kohler KG80)	30,230.19	2,323.92
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*8,502.70*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*18,454.63*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*24,606.17*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*16,756.59*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*23,988.92*	
26 32 13 19-0064	EA	100 KW Natural Gas Or Propane Generator Set, 3 Phase (Kohler KG100)	34,060.37	2,616.96
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*8,502.70*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*18,454.63*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*24,606.17*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*16,756.59*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*23,988.92*	
26 32 13 19-0065	EA	125 KW Natural Gas Or Propane Generator Set, 3 Phase (Kohler KG125)	38,719.23	3,134.90
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*8,502.70*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*18,454.63*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*24,606.17*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*16,756.59*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*23,988.92*	
26 32 13 19-0066	EA	150 KW Natural Gas Or Propane Generator Set, 3 Phase (Kohler KG150)	46,313.42	3,455.21
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*8,502.70*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*18,454.63*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*24,606.17*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*16,756.59*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*23,988.92*	
26 32 13 19-0067	EA	180 KW Natural Gas Generator Set, 3 Phase (Kohler KG180)	67,308.73	9,190.58
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*45,374.87*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*50,228.52*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*66,971.36*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*49,611.87*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*74,447.71*	
26 32 13 19-0068	EA	200 KW Natural Gas Generator Set, 3 Phase (Kohler KG200)	76,538.81	4,150.34
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*45,374.87*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*50,228.52*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*66,971.36*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*49,611.87*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*74,447.71*	
26 32 13 19-0069		**Small Natural Gas Or Propane Air-Cooled Generator Sets** *(26 32 13 19)*		
26 32 13 19-0070	EA	7.5 KW Natural Gas Or Propane Air-Cooled Generator Set Note: Includes weatherproof composite enclosure and 100 A automatic transfer switch.	5,137.61	583.04
26 32 13 19-0071	EA	10 KW Natural Gas Or Propane Air-Cooled Generator Set Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.	6,478.13	647.83
26 32 13 19-0072	EA	14 KW Natural Gas Or Propane Air-Cooled Generator Set Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.	7,471.45	712.60
26 32 29		**Rotary Converters** *(26 32)*		
26 32 29 00-0001		**60 Hz AC Input 230 Or 460 Volt, 125 Volt DC Output** *(26 32 29)*		
26 32 29 00-0002	EA	3 KW, 24 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	10,125.35	252.14
26 32 29 00-0003	EA	5 KW, 40 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	12,338.44	252.14
26 32 29 00-0004	EA	7.5 KW, 60 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	16,352.59	252.14

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 29 00-0005	EA	10 KW, 80 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	16,481.41	252.14
26 32 29 00-0006	EA	15 KW, 120 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	18,292.01	315.17
26 32 29 00-0007	EA	20 KW, 160 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	19,812.61	315.17
26 32 29 00-0008	EA	25 KW, 200 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	20,747.69	315.17
26 32 29 00-0009	EA	40 KW, 320 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	25,261.80	416.02
26 32 29 00-0010	EA	50 KW, 400 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	28,080.85	416.02
26 32 29 00-0011		**60 Hz AC Input, 230 Or 460 Volt, 250 Volts DC Output** *(26 32 29)*		
26 32 29 00-0012	EA	3 KW, 12 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	11,727.51	252.14
26 32 29 00-0013	EA	5 KW, 20 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	13,989.15	252.14
26 32 29 00-0014	EA	7.5 KW, 30 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	16,003.99	252.14
26 32 29 00-0015	EA	10 KW, 40 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	16,448.72	252.14
26 32 29 00-0016	EA	15 KW, 60 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	18,628.47	315.17
26 32 29 00-0017	EA	20 KW, 80 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	20,489.89	315.17
26 32 29 00-0018	EA	25 KW, 100 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	21,167.17	315.17
26 32 29 00-0019	EA	40 KW, 160 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	25,161.30	416.02
26 32 29 00-0020	EA	50 KW, 200 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	26,695.01	416.02
26 32 29 00-0021		**460 Volt 3 Phase AC Motor Drive 250 Volt DC** *(26 32 29)*		
26 32 29 00-0022	EA	33 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	29,030.59	4,770.50
26 32 29 00-0023	EA	40 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	32,141.30	4,770.50
26 32 29 00-0024	EA	50 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	36,529.02	6,815.01
26 32 29 00-0025	EA	65 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	42,685.94	6,815.01
26 32 29 00-0026	EA	85 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	48,498.50	6,815.01
26 32 29 00-0027	EA	100 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	56,857.79	10,222.52
26 32 29 00-0028	EA	125 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	68,816.25	10,222.52
26 32 29 00-0029		**4,160 Volt 3 Phase AC Motor Drive 250 Or 500 Volt DC** *(26 32 29)*		
26 32 29 00-0030	EA	170 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	101,067.91	13,630.02
26 32 29 00-0031	EA	200 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	110,107.42	13,630.02
26 32 29 00-0032	EA	240 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	132,492.76	17,719.03
26 32 29 00-0033	EA	320 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	150,574.15	21,535.43
26 32 29 00-0034	EA	400 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	178,485.26	21,535.43
26 32 29 00-0035	EA	560 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	253,279.72	32,166.85
26 32 29 00-0036	EA	640 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	261,850.58	32,166.85
26 32 29 00-0037	EA	800 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	301,660.21	37,482.56

26 33 Battery Equipment *(26 30)*

26 33 13 Batteries *(26 33)*

26 33 13 00-0001 Standby Batteries *(26 33 13)*

26 33 13 00-0002	EA	12 Volt, 100 Ampere Hours To 10.5 Volt Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery	1,240.24	31.57
26 33 13 00-0003	EA	12 Volt, 100 Ampere Hours To 10.5 Volt Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery With Steel Jacket	1,339.99	31.57
26 33 13 00-0004	EA	725CCA, Group 31, 12 Volt Lead Calcium Standby Battery	398.91	31.57
26 33 13 00-0005	EA	810CCA, Group 24, 12 Volt Lead Calcium Standby Battery	361.98	31.57
26 33 13 00-0006	EA	1080CCA, Group 4D, 12 Volt Lead Calcium Standby Battery	625.30	31.57
26 33 13 00-0007	EA	1400CCA, Group 8D, 12 Volt Lead Calcium Standby Battery	727.34	31.57

26 33 43 Battery Chargers *(26 33)*

26 33 43 00-0001 Solid State Chargers, Single Phase *(26 33 43)*

Note: Includes wall bracket, 10' of DC charging cable and standard connector, 208/240/480 V.

26 33 43 00-0002	EA	Solid State Battery Charger, 6 Cell Single Phase With Wall Bracket, 208/240/480 Volt	3,501.65	719.87
26 33 43 00-0003	EA	Solid State Battery Charger, 9 Cell Single Phase With Wall Bracket, 208/240/480 Volt	4,092.11	719.87
26 33 43 00-0004	EA	Solid State Battery Charger, 12 Cell Single Phase With Wall Bracket, 208/240/480 Volt	4,505.53	719.87
26 33 43 00-0005	EA	Solid State Battery Charger, 18 Cell Single Phase With Wall Bracket, 208/240/480 Volt	4,764.88	852.33

26 33 53 Static Uninterruptible Power Supply *(26 33)*

26 33 53 00-0001 Single Phase, Uninterruptible Power Supply Systems (UPS) *(26 33 53)*

26 33 53 00-0002 Single Phase, Uninterruptible Power Supply Systems (UPS) *(26 33 53 00-0001)*

26 33 53 00-0003 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) *(26 33 53 00-0002)*

Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.

26 33 53 00-0004	EA	0.5 kVA, 450 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-500RT120) Note: Includes 12 minutes of battery backup at full load.	1,192.92	124.81
26 33 53 00-0005	EA	0.7 kVA, 630 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT120) Note: Includes 6 minutes of battery backup at full load.	1,424.81	145.61

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0006	EA	1 kVA, 900 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT120) Note: Includes 5 minutes of battery backup at full load.	1,755.64	166.41
26 33 53 00-0007	EA	1.5 KVA, 1,350 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT120) Note: Includes 5 minutes of battery backup at full load.	2,143.99	187.21
26 33 53 00-0008	EA	2 KVA, 1,800 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT120) Note: Includes 4 minutes of battery backup at full load.	2,749.78	208.01
26 33 53 00-0009	EA	3 KVA, 2,700 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT120) Note: Includes 4 minutes of battery backup at full load.	4,425.02	249.61
26 33 53 00-0010		**208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS)** *(26 33 53 00-0002)* Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0011	EA	3 KVA, 2,700 Watt, 208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT208) Note: Includes 4 minutes of battery backup at full load.	4,343.75	249.61
26 33 53 00-0012		**120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS)** *(26 33 53 00-0002)* Note: Rack mount or tower configuration. Includes 50 or 60 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0013	EA	5 KVA, 4,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT208) Note: Includes 5 minutes of battery backup at full load.	6,698.43	332.82
26 33 53 00-0014	EA	6 KVA, 4,800 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT208) Note: Includes 4 minutes of battery backup at full load.	7,325.70	374.42
26 33 53 00-0015	EA	8 KVA, 7,200 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-8000RT208) Note: Includes 7 minutes of battery backup at full load.	10,949.65	457.62
26 33 53 00-0016	EA	10 KVA, 9,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT208) Note: Includes 4-1/2 minutes of battery backup at full load.	12,585.61	499.23
26 33 53 00-0017		**230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS)** *(26 33 53 00-0002)* Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0018	EA	0.7 KVA, 630 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT230) Note: Includes 11 minutes of battery backup at full load.	1,424.81	145.61
26 33 53 00-0019	EA	1 KVA, 900 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT230) Note: Includes 6 minutes of battery backup at full load.	1,755.64	166.41
26 33 53 00-0020	EA	1.5 KVA, 1,350 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT230) Note: Includes 4 minutes of battery backup at full load.	2,168.00	187.21
26 33 53 00-0021	EA	2 KVA, 1,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT230) Note: Includes 4 minutes of battery backup at full load.	2,755.57	208.01
26 33 53 00-0022	EA	3 KVA, 2,700 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT230) Note: Includes 4 minutes of battery backup at full load.	4,443.06	249.61
26 33 53 00-0023	EA	5 KVA, 4,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT230) Note: Includes 9 minutes of battery backup at full load.	6,427.02	332.82
26 33 53 00-0024	EA	6 KVA, 4,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT230) Note: Includes 6 minutes of battery backup at full load.	7,889.98	374.42
26 33 53 00-0025	EA	10 KVA, 9,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT230) Note: Includes 3 minutes of battery backup at full load.	12,197.62	499.23
26 33 53 00-0026		**Optional Accessories For Single Phase, Uninterruptible Power Supply Systems** *(26 33 53 00-0001)*		
26 33 53 00-0027	EA	External Battery Cabinet For 0.5 To 2 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-48VBATT) Note: Rack mount or tower configuration.	788.79	37.82
26 33 53 00-0028	EA	External Battery Cabinet For 3 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-72VBATT) Note: Rack mount or tower configuration.	1,032.92	37.82
26 33 53 00-0029	EA	External Battery Cabinet For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATT) Note: Rack mount or tower configuration.	1,005.75	37.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0030	EA	External Battery Cabinet For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTVBATT) Note: Rack mount or tower configuration.	683.61	37.82
26 33 53 00-0031	EA	Internal Replacement Battery For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATKIT)	1,014.35	124.81
26 33 53 00-0032	EA	Internal Replacement Battery For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTBKIT)	1,140.42	166.41
26 33 53 00-0033		**Three Phase, Uninterruptible Power Supply Systems (UPS)** *(26 33 53)*		
26 33 53 00-0034		**208 Volt AC Output, 120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) With Internal Battery** *(26 33 53 00-0033)* Note: Includes start-up, 60 Hz frequency, bypass switch and diagnostics.		
26 33 53 00-0035	EA	10 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS)	43,097.04	499.23
26 33 53 00-0036	EA	15 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS)	47,719.56	665.63
26 33 53 00-0037	EA	20 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS)	53,346.52	832.05
26 33 53 00-0038	EA	30 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS)	57,868.59	998.45
26 33 53 00-0039	EA	40 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS)	69,622.70	1,164.87
26 33 53 00-0040		**208 Volt AC Output, 120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) Without Internal Battery** *(26 33 53 00-0033)* Note: Excludes Internal Battery See CSI section 26 33 53 00-0055 for batteries.		
26 33 53 00-0041	EA	60 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	94,466.42	1,985.56
26 33 53 00-0042	EA	80 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	102,754.39	2,458.31
26 33 53 00-0043	EA	100 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	113,657.79	2,868.04
26 33 53 00-0044	EA	120 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	140,303.38	3,246.24
26 33 53 00-0045	EA	140 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	145,682.30	3,624.44
26 33 53 00-0046	EA	160 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	151,433.28	4,002.64
26 33 53 00-0047	EA	180 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	158,389.61	4,380.84
26 33 53 00-0048	EA	200 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	165,345.94	4,759.04
26 33 53 00-0049		**480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) Without Internal Battery** *(26 33 53 00-0033)* Note: Excludes Internal Battery See CSI section 26 33 53 00-0055 for batteries.		
26 33 53 00-0050	EA	50 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	88,179.64	1,638.87
26 33 53 00-0051	EA	100 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	114,260.46	2,880.64
26 33 53 00-0052	EA	150 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	156,132.42	3,328.18
26 33 53 00-0053	EA	200 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	183,882.91	3,655.96
26 33 53 00-0054	EA	250 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	215,048.53	4,034.15
26 33 53 00-0055		**Optional Accessories For Three Phase, Uninterruptible Power Supply Systems** *(26 33 53 00-0033)*		
26 33 53 00-0056	EA	Programmable Relay Board For Three Phase Uninterruptible Power Supply Systems	704.29	63.03
26 33 53 00-0057	EA	Network Interface Card For Three Phase Uninterruptible Power Supply Systems	1,132.63	63.03
26 33 53 00-0058	EA	Remote Status Panel With 100' Of Cable For Three Phase Uninterruptible Power Supply Systems	2,177.47	126.07
26 33 53 00-0059	EA	Slim Line Distribution Panel With Two 42 Pole Panels For Three Phase Uninterruptible Power Supply Systems	6,782.09	504.27
26 33 53 00-0060	EA	12 Volt, 491 Watt, 3 Phase, 134 Ampere Hours, Battery For Uninterruptible Power Supply Systems (C&D UPS12-490MR)	655.57	63.03
26 33 53 00-0061	EA	12 Volt, 204 Watt, 3 Phase, 55 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX200)	357.55	63.03
26 33 53 00-0062	EA	12 Volt, 257 Watt, 3 Phase, 65 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX250)	401.04	63.03
26 33 53 00-0063	EA	12 Volt, 311 Watt, 3 Phase, 75 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX300)	444.53	63.03
26 33 53 00-0064	EA	12 Volt, 374 Watt, 3 Phase, 90 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX350)	522.80	63.03
26 33 53 00-0065	EA	12 Volt, 415 Watt, 3 Phase, 100 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX400)	548.90	63.03
26 33 53 00-0066	EA	12 Volt, 493 Watt, 3 Phase, 135 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX500)	683.71	63.03

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0067	EA	12 Volt, 540 Watt, 3 Phase, 150 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX540)	716.33	63.03
26 33 53 00-0068		Other Uninterruptable Power Supply Equipment *(26 33 53)*		
26 33 53 00-0069	EA	Uninterrupted Power Supply Slim-Line Distribution Panel 42 Pole GE Plug-In	6,422.27	115.18
26 33 53 00-0070	EA	Uninterrupted Power Supply Slim-Line Distribution Panel 84 Pole GE Plug-In	7,720.19	230.36
26 33 53 00-0071	EA	1 Pole, 15 To 60 Amperes, GE Plug-In Breakers For UPS Distribution Panel	33.04	6.91
26 33 53 00-0072	EA	2 Pole, 15 To 40 Amperes, GE Plug-In Breakers For UPS Distribution Panel	59.98	8.64
26 33 53 00-0073	EA	2 Pole, 50 To 80 Amperes, GE Plug-In Breakers For UPS Distribution Panel	113.36	8.64
26 33 53 00-0074	EA	3 Pole, 15 To 60 Amperes, GE Plug-In Breakers For UPS Distribution Panel	166.09	11.52
26 33 53 00-0075	EA	3 Pole, 70 To 100 Amperes, GE Plug-In Breakers For UPS Distribution Panel	236.55	11.52
26 33 53 00-0076	EA	Uninterrupted Power Supply Remote Status Panel	4,393.88	115.18
26 33 53 00-0077	EA	Uninterrupted Power Supply Remote Contact Board	1,453.83	86.38

26 35 Power Filters and Conditioners *(26 30)*

26 35 33 Power Factor Correction Equipment *(26 35)*

26 35 33 16 Low-Voltage Power Factor Correction Equipment *(26 35 33)*

26 35 33 16-0001		Power Factor Correction Capacitors *(26 35 33 16)*		
26 35 33 16-0002	EA	Power Factor Correction Capacitors, 2.0 KVAC	995.94	
26 35 33 16-0003	EA	Power Factor Correction Capacitors, 3.0 KVAC	1,103.03	
26 35 33 16-0004	EA	Power Factor Correction Capacitors, 4.0 KVAC	1,210.12	
26 35 33 16-0005	EA	Power Factor Correction Capacitors, 5.0 KVAC	1,312.93	
26 35 33 16-0006	EA	Power Factor Correction Capacitors, 7.5 KVAC	1,612.78	
26 35 33 16-0007	EA	Power Factor Correction Capacitors, 10.0 KVAC	1,970.46	
26 35 33 16-0008	EA	Power Factor Correction Capacitors, 15.0 KVAC	3,043.51	
26 35 33 16-0009	EA	Power Factor Correction Capacitors, 20.0 KVAC	3,696.76	
26 35 33 16-0010	EA	Power Factor Correction Capacitors, 25.0 KVAC	4,776.23	
26 35 33 16-0011	EA	Power Factor Correction Capacitors, 30.0 KVAC	5,431.63	
26 35 33 16-0012	EA	Power Factor Correction Capacitors, 50.0 KVAC	9,531.05	
26 35 33 16-0013	EA	Power Factor Correction Capacitors, 75.0 KVAC	14,330.84	
26 35 33 16-0014	EA	Power Factor Correction Capacitors, 100.0 KVAC	19,109.22	
26 35 33 16-0015	EA	Power Factor Correction Capacitors, Fuse Kit	886.71	

26 35 43 Static-Frequency Converters *(26 35)*

26 35 43 00-0001		Rotary Phase Converter With NEMA 1 Indoor Enclosure *(26 35 43)*		
26 35 43 00-0002	EA	750 Watt Output Rotary Phase Converter With NEMA 1 Enclosure	738.44	126.07
26 35 43 00-0003	EA	2 KW Output Rotary Phase Converter With NEMA 1 Enclosure	1,287.22	151.28
26 35 43 00-0004	EA	3 KW Output Rotary Phase Converter With NEMA 1 Enclosure	1,475.65	201.71
26 35 43 00-0005	EA	5 KW Output Rotary Phase Converter With NEMA 1 Enclosure	2,026.58	252.14
26 35 43 00-0006	EA	7 KW Output Rotary Phase Converter With NEMA 1 Enclosure	2,791.90	327.78
26 35 43 00-0007	EA	11 KW Output Rotary Phase Converter With NEMA 1 Enclosure	3,608.39	403.42
26 35 43 00-0008	EA	15 KW Output Rotary Phase Converter With NEMA 1 Enclosure	4,527.23	479.06
26 35 43 00-0009	EA	21 KW Output Rotary Phase Converter With NEMA 1 Enclosure	5,523.17	542.09
26 35 43 00-0010	EA	29 KW Output Rotary Phase Converter With NEMA 1 Enclosure	6,415.31	655.55
26 35 43 00-0011	EA	36 KW Output Rotary Phase Converter With NEMA 1 Enclosure	7,346.75	737.50
26 35 43 00-0012	EA	44 KW Output Rotary Phase Converter With NEMA 1 Enclosure	8,278.18	819.44
26 35 43 00-0013	EA	55 KW Output Rotary Phase Converter With NEMA 1 Enclosure	10,281.59	989.63
26 35 43 00-0014	EA	74 KW Output Rotary Phase Converter With NEMA 1 Enclosure	13,371.43	1,191.34
26 35 43 00-0015	EA	87 KW Output Rotary Phase Converter With NEMA 1 Enclosure	16,958.50	1,449.77
26 35 43 00-0016	EA	110 KW Output Rotary Phase Converter With NEMA 1 Enclosure	19,394.63	1,695.60
26 35 43 00-0017	EA	125 KW Output Rotary Phase Converter With NEMA 1 Enclosure	25,004.80	1,891.01
26 35 43 00-0018	EA	165 KW Output Rotary Phase Converter With NEMA 1 Enclosure	38,301.58	2,143.14
26 35 43 00-0019	EA	220 KW Output Rotary Phase Converter With NEMA 1 Enclosure	57,227.06	2,395.28

26 35 53 Voltage Regulators *(26 35)*

26 35 53 00-0001		Voltage Regulators, 480/277 Or 208/120 Volt, 3 Phase *(26 35 53)* Note: For diesel motor generator sets mounted in switchgear cabinet.		
26 35 53 00-0002	EA	50 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	7,489.00	2,004.47
26 35 53 00-0003	EA	75 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	8,532.10	2,521.35
26 35 53 00-0004	EA	100 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	9,492.61	3,000.41

26 36 Transfer Switches *(26 30)*

26 36 13 Manual Transfer Switches *(26 36)*

26 36 13 00-0001		Fused Manual Transfer Switches *(26 36 13)*		
26 36 13 00-0002	EA	30 Amperes, Manual Transfer Switch, Fused, 3 Pole, 480 Volt	1,421.72	220.62
26 36 13 00-0003	EA	60 Amperes, Manual Transfer Switch, Fused, 3 Pole, 480 Volt	1,656.28	274.07
26 36 13 00-0004		Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure *(26 36 13)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 13 00-0005	EA	40 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT40)	3,964.58	323.91
		For NEMA 3R Enclosure, Add	*1,305.22*	
		For NEMA 12 Enclosure, Add	*1,228.43*	
26 36 13 00-0006	EA	70 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT70)	4,381.32	388.70
		For NEMA 3R Enclosure, Add	*1,305.22*	
		For NEMA 12 Enclosure, Add	*1,228.43*	
26 36 13 00-0007	EA	125 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT125)	4,968.40	453.48
		For NEMA 3R Enclosure, Add	*1,305.22*	
		For NEMA 12 Enclosure, Add	*1,228.43*	
26 36 13 00-0008	EA	150 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT150)	6,185.78	518.26
		For NEMA 3R Enclosure, Add	*1,535.55*	
		For NEMA 12 Enclosure, Add	*1,228.43*	
26 36 13 00-0009	EA	225 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT225)	7,678.50	583.04
		For NEMA 3R Enclosure, Add	*1,535.55*	
		For NEMA 12 Enclosure, Add	*1,228.43*	
26 36 13 00-0010	EA	260 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT260)	8,635.83	647.83
		For NEMA 3R Enclosure, Add	*1,535.55*	
		For NEMA 12 Enclosure, Add	*1,228.43*	
26 36 13 00-0011	EA	300 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT300)	9,608.67	712.60
		For NEMA 3R Enclosure, Add	*1,811.94*	
		For NEMA 12 Enclosure, Add	*1,535.55*	
26 36 13 00-0012	EA	400 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT400)	11,303.69	777.39
		For NEMA 3R Enclosure, Add	*1,811.94*	
		For NEMA 12 Enclosure, Add	*1,535.55*	
26 36 13 00-0013	EA	600 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT600)	14,971.11	971.74
		For NEMA 3R Enclosure, Add	*1,811.94*	
		For NEMA 12 Enclosure, Add	*1,535.55*	
26 36 13 00-0014	EA	800 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT800)	16,815.45	1,166.09
		For NEMA 3R Enclosure, Add	*2,226.53*	
		For NEMA 12 Enclosure, Add	*2,149.77*	
26 36 13 00-0015	EA	1,000 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT1000)	22,370.62	1,635.60
		For NEMA 3R Enclosure, Add	*2,226.53*	
		For NEMA 12 Enclosure, Add	*2,149.77*	

26 36 23 Automatic Transfer Switches *(26 36)*

26 36 23 00-0001 Automatic Transfer Switch *(26 36 23)*

26 36 23 00-0002 Automatic Transfer Switch, 2 Pole Circuit Breaker, NEMA 1 Enclosure *(26 36 23 00-0001)*

Note: Programmable, 120/240 volt single phase, 3 wire.

26 36 23 00-0003	EA	100 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	3,520.42	453.48
		For Level 2 Controller, Add	*202.54*	
		For Level 3 Controller, Add	*418.16*	
		For Level 4 Controller, Add	*607.63*	
26 36 23 00-0004	EA	225 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	4,802.23	583.04
		For Level 2 Controller, Add	*281.80*	
		For Level 3 Controller, Add	*581.78*	
		For Level 4 Controller, Add	*845.40*	
26 36 23 00-0005	EA	400 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	7,690.78	777.39
		For Level 2 Controller, Add	*475.54*	
		For Level 3 Controller, Add	*981.76*	
		For Level 4 Controller, Add	*1,426.62*	
26 36 23 00-0006	EA	600 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	12,620.15	971.74
		For Level 2 Controller, Add	*827.44*	
		For Level 3 Controller, Add	*1,708.27*	
		For Level 4 Controller, Add	*2,482.33*	

26 36 23 00-0007 Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure *(26 36 23 00-0001)*

26 36 23 00-0008	EA	40 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC40)	5,972.08	323.91
		For Level 2 Controller, Add	*412.63*	
		For Level 3 Controller, Add	*851.88*	
		For Level 4 Controller, Add	*1,237.89*	
		For NEMA 3R Enclosure, Add	*1,305.22*	
		For NEMA 4 Enclosure, Add	*1,381.99*	
		For NEMA 12 Enclosure, Add	*1,381.99*	
26 36 23 00-0009	EA	70 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC70)	6,888.57	388.70
		For Level 2 Controller, Add	*473.62*	
		For Level 3 Controller, Add	*977.79*	
		For Level 4 Controller, Add	*1,420.85*	
		For NEMA 3R Enclosure, Add	*1,305.22*	
		For NEMA 4 Enclosure, Add	*1,381.99*	
		For NEMA 12 Enclosure, Add	*1,381.99*	
26 36 23 00-0010	EA	100 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC100)	7,225.06	421.09
		For Level 2 Controller, Add	*494.67*	
		For Level 3 Controller, Add	*1,021.26*	
		For Level 4 Controller, Add	*1,484.02*	
		For NEMA 3R Enclosure, Add	*1,305.22*	
		For NEMA 4 Enclosure, Add	*1,381.99*	
		For NEMA 12 Enclosure, Add	*1,381.99*	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0011	EA	125 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC125)	7,561.53	453.48
		For Level 2 Controller, Add	*515.73*	
		For Level 3 Controller, Add	*1,064.73*	
		For Level 4 Controller, Add	*1,547.19*	
		For NEMA 3R Enclosure, Add	*1,305.22*	
		For NEMA 4 Enclosure, Add	*1,381.99*	
		For NEMA 12 Enclosure, Add	*1,381.99*	
26 36 23 00-0012	EA	150 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC150)	9,004.57	518.26
		For Level 2 Controller, Add	*617.52*	
		For Level 3 Controller, Add	*1,274.89*	
		For Level 4 Controller, Add	*1,852.57*	
		For NEMA 3R Enclosure, Add	*1,535.55*	
		For NEMA 4 Enclosure, Add	*1,996.21*	
		For NEMA 12 Enclosure, Add	*1,381.99*	
26 36 23 00-0013	EA	225 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC225)	10,285.72	583.04
		For Level 2 Controller, Add	*706.77*	
		For Level 3 Controller, Add	*1,459.14*	
		For Level 4 Controller, Add	*2,120.31*	
		For NEMA 3R Enclosure, Add	*1,535.55*	
		For NEMA 4 Enclosure, Add	*1,996.21*	
		For NEMA 12 Enclosure, Add	*1,381.99*	
26 36 23 00-0014	EA	260 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC260)	11,348.63	647.83
		For Level 2 Controller, Add	*779.11*	
		For Level 3 Controller, Add	*1,608.48*	
		For Level 4 Controller, Add	*2,337.32*	
		For NEMA 3R Enclosure, Add	*1,535.55*	
		For NEMA 4 Enclosure, Add	*1,996.21*	
		For NEMA 12 Enclosure, Add	*1,381.99*	
26 36 23 00-0015	EA	300 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC300)	11,842.82	712.60
		For Level 2 Controller, Add	*807.36*	
		For Level 3 Controller, Add	*1,666.82*	
		For Level 4 Controller, Add	*2,422.09*	
		For NEMA 3R Enclosure, Add	*1,811.94*	
		For NEMA 4 Enclosure, Add	*2,149.77*	
		For NEMA 12 Enclosure, Add	*1,535.55*	
26 36 23 00-0016	EA	400 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC400)	13,405.50	777.39
		For Level 2 Controller, Add	*918.43*	
		For Level 3 Controller, Add	*1,896.12*	
		For Level 4 Controller, Add	*2,755.29*	
		For NEMA 3R Enclosure, Add	*1,811.94*	
		For NEMA 4 Enclosure, Add	*2,149.77*	
		For NEMA 12 Enclosure, Add	*1,535.55*	
26 36 23 00-0017	EA	600 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC600)	18,411.74	971.74
		For Level 2 Controller, Add	*1,276.29*	
		For Level 3 Controller, Add	*2,634.92*	
		For Level 4 Controller, Add	*3,828.87*	
		For NEMA 3R Enclosure, Add	*1,811.94*	
		For NEMA 4 Enclosure, Add	*2,149.77*	
		For NEMA 12 Enclosure, Add	*1,535.55*	
26 36 23 00-0018	EA	800 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC800)	20,615.06	1,166.09
		For Level 2 Controller, Add	*1,416.92*	
		For Level 3 Controller, Add	*2,925.26*	
		For Level 4 Controller, Add	*4,250.77*	
		For NEMA 3R Enclosure, Add	*2,226.53*	
		For NEMA 4 Enclosure, Add	*2,456.89*	
		For NEMA 12 Enclosure, Add	*2,149.77*	
26 36 23 00-0019	EA	1,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1000)	26,812.16	1,635.60
		For Level 2 Controller, Add	*1,824.42*	
		For Level 3 Controller, Add	*3,766.55*	
		For Level 4 Controller, Add	*5,473.27*	
		For NEMA 3R Enclosure, Add	*2,226.53*	
		For NEMA 4 Enclosure, Add	*2,456.89*	
		For NEMA 12 Enclosure, Add	*2,149.77*	
26 36 23 00-0020	EA	1,200 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1200)	34,956.90	1,771.91
		For Level 2 Controller, Add	*2,434.52*	
		For Level 3 Controller, Add	*5,026.10*	
		For Level 4 Controller, Add	*7,303.55*	
		For NEMA 3R Enclosure, Add	*4,913.75*	
		For NEMA 4 Enclosure, Add	*2,763.98*	
		For NEMA 12 Enclosure, Add	*2,303.33*	
26 36 23 00-0021	EA	1,600 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1600)	37,198.52	2,044.50
		For Level 2 Controller, Add	*2,565.99*	
		For Level 3 Controller, Add	*5,297.52*	
		For Level 4 Controller, Add	*7,697.96*	
		For NEMA 3R Enclosure, Add	*7,984.83*	
		For NEMA 4 Enclosure, Add	*9,827.47*	
		For NEMA 12 Enclosure, Add	*7,984.83*	
26 36 23 00-0022	EA	2,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC2000)	42,541.18	2,317.10
		For Level 2 Controller, Add	*2,937.79*	
		For Level 3 Controller, Add	*6,065.12*	
		For Level 4 Controller, Add	*8,813.37*	
		For NEMA 3R Enclosure, Add	*7,984.83*	
		For NEMA 4 Enclosure, Add	*9,827.47*	
		For NEMA 12 Enclosure, Add	*7,984.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0023	EA	3,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC3000)	51,350.05	2,862.30
		For Level 2 Controller, Add	*3,535.97*	
		For Level 3 Controller, Add	*7,300.07*	
		For Level 4 Controller, Add	*10,607.91*	
		For NEMA 3R Enclosure, Add	*7,984.83*	
26 36 23 00-0024	EA	4,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC4000)	89,835.36	3,407.51
		For Level 2 Controller, Add	*6,434.08*	
		For Level 3 Controller, Add	*13,283.26*	
		For Level 4 Controller, Add	*19,302.23*	
		For NEMA 3R Enclosure, Add	*14,802.63*	
26 36 23 00-0025		**Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure** *(26 36 23 00-0001)*		
26 36 23 00-0026	EA	150 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC150)	29,328.57	2,461.73
		For NEMA 3R Enclosure, Add	*2,687.21*	
		For NEMA 4 Enclosure, Add	*2,763.98*	
		For NEMA 12 Enclosure, Add	*1,458.78*	
		For Level 2 Controller, Add	*1,891.39*	
		For Level 3 Controller, Add	*3,904.81*	
		For Level 4 Controller, Add	*5,674.18*	
26 36 23 00-0027	EA	225 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC225)	30,604.39	2,591.31
		For NEMA 3R Enclosure, Add	*2,687.21*	
		For NEMA 4 Enclosure, Add	*2,763.98*	
		For NEMA 12 Enclosure, Add	*1,458.78*	
		For Level 2 Controller, Add	*1,970.19*	
		For Level 3 Controller, Add	*4,067.48*	
		For Level 4 Controller, Add	*5,910.56*	
26 36 23 00-0028	EA	260 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC260)	32,079.93	2,720.87
		For NEMA 3R Enclosure, Add	*2,687.21*	
		For NEMA 4 Enclosure, Add	*2,763.98*	
		For NEMA 12 Enclosure, Add	*1,458.78*	
		For Level 2 Controller, Add	*2,064.46*	
		For Level 3 Controller, Add	*4,262.11*	
		For Level 4 Controller, Add	*6,193.38*	
26 36 23 00-0029	EA	300 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC300)	35,938.38	2,785.65
		For NEMA 3R Enclosure, Add	*2,687.21*	
		For NEMA 4 Enclosure, Add	*2,763.98*	
		For NEMA 12 Enclosure, Add	*1,458.78*	
		For Level 2 Controller, Add	*2,353.45*	
		For Level 3 Controller, Add	*4,858.73*	
		For Level 4 Controller, Add	*7,060.34*	
26 36 23 00-0030	EA	400 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC400)	41,672.49	2,850.43
		For NEMA 3R Enclosure, Add	*2,687.21*	
		For NEMA 4 Enclosure, Add	*2,763.98*	
		For NEMA 12 Enclosure, Add	*1,458.78*	
		For Level 2 Controller, Add	*2,787.80*	
		For Level 3 Controller, Add	*5,755.46*	
		For Level 4 Controller, Add	*8,363.40*	
26 36 23 00-0031	EA	600 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC600)	50,272.38	2,980.00
		For NEMA 3R Enclosure, Add	*2,687.21*	
		For NEMA 4 Enclosure, Add	*2,763.98*	
		For NEMA 12 Enclosure, Add	*1,535.55*	
		For Level 2 Controller, Add	*3,434.21*	
		For Level 3 Controller, Add	*7,089.98*	
		For Level 4 Controller, Add	*10,302.63*	
26 36 23 00-0032	EA	800 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC800)	55,514.35	3,109.56
		For NEMA 3R Enclosure, Add	*2,763.98*	
		For NEMA 4 Enclosure, Add	*2,763.98*	
		For NEMA 12 Enclosure, Add	*1,689.11*	
		For Level 2 Controller, Add	*3,820.38*	
		For Level 3 Controller, Add	*7,887.24*	
		For Level 4 Controller, Add	*11,461.14*	
26 36 23 00-0033	EA	1,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1000)	69,903.01	3,627.82
		For NEMA 3R Enclosure, Add	*2,763.98*	
		For NEMA 4 Enclosure, Add	*2,763.98*	
		For NEMA 12 Enclosure, Add	*1,689.11*	
		For Level 2 Controller, Add	*4,855.17*	
		For Level 3 Controller, Add	*10,023.58*	
		For Level 4 Controller, Add	*14,565.51*	
26 36 23 00-0034	EA	1,200 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1200)	92,046.04	4,089.01
		For NEMA 3R Enclosure, Add	*12,284.33*	
		For NEMA 4 Enclosure, Add	*15,355.41*	
		For NEMA 12 Enclosure, Add	*12,284.33*	
		For Level 2 Controller, Add	*6,499.77*	
		For Level 3 Controller, Add	*13,418.88*	
		For Level 4 Controller, Add	*19,499.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0035	EA	1,600 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1600)	120,596.14	4,361.60
		For NEMA 3R Enclosure, Add	*26,104.20*	
		For NEMA 4 Enclosure, Add	*26,104.20*	
		For NEMA 12 Enclosure, Add	*24,322.98*	
		For Level 2 Controller, Add	*8,670.15*	
		For Level 3 Controller, Add	*17,899.67*	
		For Level 4 Controller, Add	*26,010.45*	
26 36 23 00-0036	EA	2,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC2000)	137,027.61	4,770.50
		For NEMA 3R Enclosure, Add	*26,104.20*	
		For NEMA 4 Enclosure, Add	*26,104.20*	
		For NEMA 12 Enclosure, Add	*24,322.98*	
		For Level 2 Controller, Add	*9,880.21*	
		For Level 3 Controller, Add	*20,397.85*	
		For Level 4 Controller, Add	*29,640.63*	
26 36 23 00-0037	EA	3,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC3000)	220,293.22	5,452.01
		For NEMA 3R Enclosure, Add	*32,246.35*	
		For Level 2 Controller, Add	*16,227.66*	
		For Level 3 Controller, Add	*33,502.27*	
		For Level 4 Controller, Add	*48,682.99*	
26 36 23 00-0038	EA	4,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC4000)	237,652.99	6,133.51
		For NEMA 3R Enclosure, Add	*32,246.35*	
		For Level 2 Controller, Add	*17,467.41*	
		For Level 3 Controller, Add	*36,061.76*	
		For Level 4 Controller, Add	*52,402.24*	

26 36 23 00-0039 Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure *(26 36 23 00-0001)*

26 36 23 00-0040	EA	40 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE40)	9,846.29	323.91
		For Level 2 Controller, Add	*712.88*	
		For Level 3 Controller, Add	*1,471.75*	
		For Level 4 Controller, Add	*2,138.64*	
		For NEMA 3R Enclosure, Add	*767.78*	
		For NEMA 12 Enclosure, Add	*1,381.99*	
26 36 23 00-0041	EA	70 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE70)	10,629.07	388.70
		For Level 2 Controller, Add	*763.51*	
		For Level 3 Controller, Add	*1,576.27*	
		For Level 4 Controller, Add	*2,290.52*	
		For NEMA 3R Enclosure, Add	*767.78*	
		For NEMA 12 Enclosure, Add	*1,381.99*	
26 36 23 00-0042	EA	100 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE100)	11,019.76	421.09
		For Level 2 Controller, Add	*788.76*	
		For Level 3 Controller, Add	*1,628.41*	
		For Level 4 Controller, Add	*2,366.29*	
		For NEMA 3R Enclosure, Add	*767.78*	
		For NEMA 12 Enclosure, Add	*1,381.99*	
26 36 23 00-0043	EA	125 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE125)	11,410.43	453.48
		For Level 2 Controller, Add	*814.02*	
		For Level 3 Controller, Add	*1,680.56*	
		For Level 4 Controller, Add	*2,442.06*	
		For NEMA 3R Enclosure, Add	*767.78*	
		For NEMA 12 Enclosure, Add	*1,381.99*	
26 36 23 00-0044	EA	150 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE150)	13,716.42	518.26
		For Level 2 Controller, Add	*982.69*	
		For Level 3 Controller, Add	*2,028.78*	
		For Level 4 Controller, Add	*2,948.08*	
		For Four Pole Circuit Breaker, Add	*3,838.85*	
		For NEMA 3R Enclosure, Add	*767.78*	
		For NEMA 12 Enclosure, Add	*1,381.99*	
26 36 23 00-0045	EA	225 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE225)	17,906.04	583.04
		For Level 2 Controller, Add	*1,297.35*	
		For Level 3 Controller, Add	*2,678.39*	
		For Level 4 Controller, Add	*3,892.04*	
		For Four Pole Circuit Breaker, Add	*3,838.85*	
		For NEMA 3R Enclosure, Add	*767.78*	
		For NEMA 12 Enclosure, Add	*1,381.99*	
26 36 23 00-0046	EA	250 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE250)	19,050.61	647.83
		For Level 2 Controller, Add	*1,376.01*	
		For Level 3 Controller, Add	*2,840.79*	
		For Level 4 Controller, Add	*4,128.03*	
		For Four Pole Circuit Breaker, Add	*3,838.85*	
		For NEMA 3R Enclosure, Add	*767.78*	
		For NEMA 12 Enclosure, Add	*1,381.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0047	EA	300 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE300)	19,792.58	712.60
		For Level 2 Controller, Add	*1,423.47*	
		For Level 3 Controller, Add	*2,938.78*	
		For Level 4 Controller, Add	*4,270.41*	
		For Four Pole Circuit Breaker, Add	*5,220.84*	
		For NEMA 3R Enclosure, Add	*1,996.21*	
		For NEMA 12 Enclosure, Add	*1,535.55*	
26 36 23 00-0048	EA	400 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE400)	22,412.50	777.39
		For Level 2 Controller, Add	*1,616.47*	
		For Level 3 Controller, Add	*3,337.24*	
		For Level 4 Controller, Add	*4,849.42*	
		For Four Pole Circuit Breaker, Add	*5,220.84*	
		For NEMA 3R Enclosure, Add	*1,996.21*	
		For NEMA 12 Enclosure, Add	*1,535.55*	
26 36 23 00-0049	EA	600 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE600)	27,180.82	971.74
		For Level 2 Controller, Add	*1,955.89*	
		For Level 3 Controller, Add	*4,037.97*	
		For Level 4 Controller, Add	*5,867.68*	
		For Four Pole Circuit Breaker, Add	*5,220.84*	
		For NEMA 3R Enclosure, Add	*1,996.21*	
		For NEMA 12 Enclosure, Add	*1,535.55*	
26 36 23 00-0050	EA	800 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE800)	28,239.61	1,166.09
		For Level 2 Controller, Add	*2,007.83*	
		For Level 3 Controller, Add	*4,145.19*	
		For Level 4 Controller, Add	*6,023.48*	
		For Four Pole Circuit Breaker, Add	*7,447.38*	
		For NEMA 3R Enclosure, Add	*3,439.63*	
		For NEMA 12 Enclosure, Add	*2,149.77*	
26 36 23 00-0051	EA	1,000 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE1000)	33,400.59	1,635.60
		For Level 2 Controller, Add	*2,335.03*	
		For Level 3 Controller, Add	*4,820.70*	
		For Level 4 Controller, Add	*7,005.08*	
		For Four Pole Circuit Breaker, Add	*7,447.38*	
		For NEMA 3R Enclosure, Add	*3,439.63*	
		For NEMA 12 Enclosure, Add	*2,149.77*	

26 36 23 00-0052 Accessories *(26 36 23)*

26 36 23 00-0053	EA	Auxiliary Contacts For Automatic Transfer Switch	356.25	
26 36 23 00-0054	EA	Battery Charger For Automatic Transfer Switch	2,917.54	
26 36 23 00-0055	EA	Elevator Relay Signal For Automatic Transfer Switch	1,059.53	

26 36 26 Static Transfer Switches *(26 36)*

26 36 26 00-0001 LA DPW Static Transfer Switch *(26 36 26)*
Note: Excludes installation.

26 36 26 00-0002	EA	Epsilon Static Transfer Switch – 400 Amp	71,113.59	
26 36 26 00-0003	EA	5 Switch Option For 400 Amp Epsilon Switch	11,216.19	
26 36 26 00-0004	EA	Kit 2-Key Interlock	845.61	
26 36 26 00-0005	EA	Dry Contacts Relay Board	351.45	
26 36 26 00-0006	EA	RS485/RS232 Serial Communications	351.45	
26 36 26 00-0007	EA	Add Redundant Output Switch (CB3B)	1,920.71	
26 36 26 00-0008	EA	4 CB KIRK Key Interlock	2,325.94	
26 36 26 00-0009	EA	Keyed Door Lock	72.34	
26 36 26 00-0010	EA	Seismic Bracket Kit	93.02	
26 36 26 00-0011	EA	JBUS/MODBUS Comm Card	496.18	
26 36 26 00-0012	EA	(1) Site Inspection Visit for (1) Epsilon 200 to 600 Amp Static Transfer Switch	1,755.31	
26 36 26 00-0013	EA	Scheduling Upgrade to 7X24 for Existing Startup Service for Static Transfer Switch	1,651.93	
26 36 26 00-0014	EA	Start-Up Service for Static Transfer Switch	3,488.91	

26 40 Electrical And Cathodic Protection *(26)*

26 43 Surge Protective Devices *(26 40)*

26 43 13 Surge Protective Devices for Low-Voltage Electrical Power Circuits *(26 43)*

26 43 13 00-0001 25 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression *(26 43 13)*
Note: Liebert LPL

26 43 13 00-0002	EA	120/240 Volt AC Single Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	251.07	31.52
26 43 13 00-0003	EA	208 Volt AC Three Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	270.15	31.52
26 43 13 00-0004	EA	240/120 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	282.76	37.82
26 43 13 00-0005	EA	277 Volt AC Single Phase, 2 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	233.02	25.21
26 43 13 00-0006	EA	480/277 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	282.76	37.82

26 43 13 00-0007 50 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression *(26 43 13)*
Note: Liebert LPL

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0008	EA	120/240 Volt AC Single Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	345.09	31.52
26 43 13 00-0009	EA	208/120 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	368.60	37.82
26 43 13 00-0010	EA	208 Volt AC Three Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	355.99	31.52
26 43 13 00-0011	EA	480/277 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	368.60	37.82
26 43 13 00-0012		**100 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression** *(26 43 13)*		
		Note: Liebert LPL		
26 43 13 00-0013	EA	120/240 Volt AC Single Phase, 3 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	415.94	31.52
26 43 13 00-0014	EA	208/120 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	439.45	37.82
26 43 13 00-0015	EA	277 Volt AC Single Phase, 2 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	386.99	25.21
26 43 13 00-0016	EA	480/277 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	439.45	37.82
26 43 13 00-0017		**100 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression** *(26 43 13)*		
		Note: Liebert LPM		
26 43 13 00-0018	EA	120/240 Volt AC Single Phase, 3 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor	489.52	31.52
26 43 13 00-0019	EA	208/120 Volt AC Three Phase, 4 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor	552.55	37.82
26 43 13 00-0020	EA	277 Volt AC Three Phase, 2 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor	461.94	25.21
26 43 13 00-0021		**160 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression** *(26 43 13)*		
		Note: Liebert LPM		
26 43 13 00-0022	EA	208/120 Volt AC Single Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor	859.14	37.82
26 43 13 00-0023	EA	208 Volt AC Three Phase, 3 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor	846.53	31.52
26 43 13 00-0024	EA	480/277 Volt AC Three Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor	859.14	37.82
26 43 13 00-0025		**250 kA, 500 Joule Transient Voltage Surge Suppression** *(26 43 13)*		
		Note: Liebert Interceptor Hybrid.		
26 43 13 00-0026	EA	LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor	8,181.22	63.03
26 43 13 00-0027	EA	Audible Alarm/LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor	10,007.62	63.03
26 43 13 00-0028		**Class 1310 Transient Voltage Surge Suppression** *(26 43 13)*		
		Note: Supplied with audible alarm, alarm enable/disable switch and dry contacts. Square D.		
26 43 13 00-0029		**NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor** *(26 43 13 00-0028)*		
		Note: Square D. EMA series.		
26 43 13 00-0030	EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,011.78	163.89
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0031	EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,426.84	189.10
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0032	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	6,454.06	220.62
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0033	EA	320 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	8,576.00	252.14
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0034	EA	480 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	12,683.75	346.69
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0035	EA	120 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,184.38	163.89
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0036	EA	160 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,616.44	189.10
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0037	EA	240 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	6,746.99	220.62
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0038	EA	320 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	8,956.44	252.14
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0039	EA	480 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	13,270.81	346.69
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0040	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,184.38	163.89
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0041	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,616.44	189.10
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0042	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	6,746.93	220.62
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0043	EA	320 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	8,956.44	252.14
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0044	EA	480 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	13,270.81	346.69
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0045	EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,357.01	163.89
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0046	EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,808.49	189.10
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0047	EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	7,042.34	220.62
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0048	EA	320 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	9,339.38	252.14
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0049	EA	480 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	13,860.26	346.69
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0050	EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,557.56	163.89
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0051	EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	5,007.87	189.10
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0052	EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	7,351.06	220.62
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0053	EA	320 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	9,740.48	252.14
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0054	EA	480 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	13,643.26	346.69
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	

26 43 13 00-0055 NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor *(26 43 13 00-0028)*

Note: Square D EBA series.

26 43 13 00-0056	EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,136.71	163.89
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0057	EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,787.57	189.10
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0058	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	5,537.63	220.62
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0059	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,235.16	163.89
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0060	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,933.42	189.10
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0061	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	5,728.45	220.62
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0062	EA	120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,235.16	163.89
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0063	EA	160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,933.42	189.10
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0064	EA	240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	5,728.45	220.62
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0065	EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,360.35	163.89
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0066	EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	4,090.21	189.10
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0067	EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	5,972.75	220.62
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0068	EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,491.62	163.89
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0069	EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	4,256.72	189.10
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0070	EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	6,229.21	220.62
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	

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LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0071		**NEMA 4X Modular Device Transient Voltage Surge Suppressor** *(26 43 13 00-0028)*		
		Note: Square D EMA series. Stainless steel.		
26 43 13 00-0072	EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	5,160.37	163.89
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0073	EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	5,575.43	189.10
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0074	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	7,602.65	220.62
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0075	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	5,332.97	163.89
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0076	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	5,765.03	189.10
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0077	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	7,895.58	220.62
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0078	EA	120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	5,332.97	163.89
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0079	EA	160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	5,765.03	189.10
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0080	EA	240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	7,895.52	220.62
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0081	EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	5,505.60	163.89
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0082	EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	5,957.08	189.10
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0083	EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	8,190.93	220.62
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0084	EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	5,706.15	163.89
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0085	EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	6,156.46	189.10
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0086	EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	8,499.65	220.62
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0087		**NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor** *(26 43 13 00-0028)*		
		Note: Square D EBA series. Stainless steel.		
26 43 13 00-0088	EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,285.30	163.89
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0089	EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,936.16	189.10
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0090	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	6,686.22	220.62
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0091	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,383.75	163.89
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0092	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	5,082.01	189.10
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0093	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	6,877.04	220.62
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0094	EA	120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,383.75	163.89
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0095	EA	160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	5,082.01	189.10
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0096	EA	240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	6,877.04	220.62
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0097	EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,508.94	163.89
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0098	EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	5,238.80	189.10
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0099	EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	7,121.34	220.62
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0100	EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,640.21	163.89
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0101	EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	5,405.31	189.10
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0102	EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	7,377.80	220.62
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	

26 43 23 Surge Protective Devices for Lightning Protection *(26 43)*

26 43 23 00-0001 Surge And Lightning Arrestors *(26 43 23)*

26 43 23 00-0002 Metal Top Intermediate Type IMX *(26 43 23 00-0001)*

Note: For outdoor construction, single phase.

26 43 23 00-0003	EA	3 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,172.65	278.77
26 43 23 00-0004	EA	4.5 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,268.33	278.77
26 43 23 00-0005	EA	6 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,268.33	278.77
26 43 23 00-0006	EA	7.5 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,446.03	278.77
26 43 23 00-0007	EA	9 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,446.03	278.77
26 43 23 00-0008	EA	10 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,593.66	278.77
26 43 23 00-0009	EA	12 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,593.66	278.77
26 43 23 00-0010	EA	15 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	2,170.46	348.46
26 43 23 00-0011	EA	18 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	2,247.01	348.46
26 43 23 00-0012	EA	21 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	2,473.40	418.16
26 43 23 00-0013	EA	24 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	2,670.24	418.16
26 43 23 00-0014	EA	27 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	3,165.06	418.16

26 43 23 00-0015 Porcelain Top Intermediate Type IMX *(26 43 23 00-0001)*

Note: For cubicle mounting, single phase.

26 43 23 00-0016	EA	3 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,172.65	278.77
26 43 23 00-0017	EA	4.5 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,268.33	278.77
26 43 23 00-0018	EA	6 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,268.33	278.77
26 43 23 00-0019	EA	7.5 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,446.03	278.77
26 43 23 00-0020	EA	9 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,446.03	278.77
26 43 23 00-0021	EA	10 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,593.66	278.77
26 43 23 00-0022	EA	12 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,593.66	278.77
26 43 23 00-0023	EA	15 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	2,170.46	348.46
26 43 23 00-0024	EA	18 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	2,247.01	348.46
26 43 23 00-0025	EA	21 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	2,473.40	418.16
26 43 23 00-0026	EA	24 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	2,670.24	418.16
26 43 23 00-0027	EA	27 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	3,165.06	418.16

26 43 23 00-0028 IMX Accessories *(26 43 23 00-0001)*

26 43 23 00-0029	EA	1 Crossarm Bracket Reversible 3-27 KV IMX	975.82	278.77
26 43 23 00-0030	EA	Single Unit Horizontal Pole Mounted Bracket (IMX)	964.88	278.77
26 43 23 00-0031	EA	3 Unit Horizontal Pole Mounted Bracket (IMX)	882.97	278.77

26 43 23 00-0032 Lightning Arrestor And Cutouts *(26 43 23 00-0001)*

26 43 23 00-0033	EA	3 KV La Distribution Class, Lightning Arrestor	669.63	278.77
26 43 23 00-0034	EA	3 KV La Interior Class, Lightning Arrestor	1,245.48	278.77
26 43 23 00-0035	EA	3 KV La Station Class, Lightning Arrestor	1,172.65	278.77
26 43 23 00-0036	EA	9 KV La Distribution Class, Lightning Arrestor	729.77	278.77
26 43 23 00-0037	EA	9 KV La Interior Class, Lightning Arrestor	1,404.92	278.77
26 43 23 00-0038	EA	9 KV La Station Class, Lightning Arrestor	1,446.03	278.77
26 43 23 00-0039	EA	5 KV Enclosed Fused Cutout	823.27	278.77
26 43 23 00-0040	EA	15 KV Open Fused Cutout	896.50	348.46
26 43 23 00-0041	EA	18 KV La Distribution Class, Lightning Arrestor	698.13	278.77
26 43 23 00-0042	EA	18 KV La Interior Class, Lightning Arrestor	1,490.14	278.77

26 50 Lighting *(26)*

Note: Includes testing of fixture, a set of lamps (light bulbs), wire nuts, ground wire connector, fixture whip, ballast(s), mounting brackets where necessary and cable connectors. Lay-in fixtures include support wire, clips and seismic supports.

26 51 Interior Lighting *(26 50)*

26 51 13 Incandescent Interior Lighting *(26 51)*

26 51 13 00-0001 Recessed Fixtures *(26 51 13)*

Note: Housing and trim priced separately.

26 51 13 00-0002 Incandescent, Recessed Fixture Housings *(26 51 13 00-0001)*

26 51 13 00-0003	EA	4" Round, Incandescent, T Or ICT Recessed Fixture Housing	87.47	36.06
		For ICAT Housing, Add	*4.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0004	EA	5" Round, Incandescent, T Or ICT Recessed Fixture Housing	87.47	36.06
		For ICAT Housing, Add	*4.29*	
26 51 13 00-0005	EA	6" Round, Incandescent, T Or ICT Recessed Fixture Housing	92.87	37.82
		For ICAT Housing, Add	*4.66*	
26 51 13 00-0006	EA	7" Round, Incandescent, T Or ICT Recessed Fixture Housing	98.44	39.46
		For ICAT Housing, Add	*5.05*	
26 51 13 00-0007	EA	8" Round, Incandescent, T Or ICT Recessed Fixture Housing	104.03	41.10
		For ICAT Housing, Add	*5.45*	
26 51 13 00-0008	EA	10" To 12" Square, Incandescent, T Or ICT Recessed Fixture Housing	106.05	43.62
		For ICAT Housing, Add	*5.22*	
26 51 13 00-0009		**Recessed Fixture Trim** *(26 51 13 00-0001)*		
26 51 13 00-0010	EA	Circular, Recessed Fixture Trim	67.64	17.65
26 51 13 00-0011	EA	Circular Clear Lens, Recessed Fixture Trim	75.18	17.65
26 51 13 00-0012	EA	Open/Baffle, Recessed Fixture Trim	88.24	17.65
26 51 13 00-0013	EA	Specular Reflector, Recessed Fixture Trim	95.17	17.65
26 51 13 00-0014	EA	Eyeball, Recessed Fixture Trim	75.29	17.65
26 51 13 00-0015	EA	10" To 12" Square, Clear Lens, Recessed Fixture Trim	71.24	17.65
26 51 13 00-0016	EA	10" To 12" Square, Drop Dish, Recessed Fixture Trim	75.88	17.65
26 51 13 00-0017		**Wall Mounted Fixtures** *(26 51 13)*		
26 51 13 00-0018		**Wall Mounted Vanity Light Fixtures** *(26 51 13 00-0017)*		
26 51 13 00-0019	EA	1 Lamp Vanity Light, Wall Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture (Progressive P2706)	152.99	50.43
26 51 13 00-0020	EA	2 Lamp Vanity Light, Wall Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture (Progressive P2707)	193.66	50.43
26 51 13 00-0021	EA	3 Lamp Vanity Light, Wall Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture (Progressive P2708)	266.97	50.43
26 51 13 00-0022	EA	4 Lamp Vanity Light, Wall Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture (Progressive P2709)	328.00	50.43
26 51 13 00-0023	EA	5 Lamp Vanity Light, Wall Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture (Progressive P2713)	397.28	50.43
26 51 13 00-0024	EA	6 Lamp Vanity Light, Wall Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture (Progressive P2714)	482.69	50.43
26 51 13 00-0025		**Track Lighting** *(26 51 13)*		
26 51 13 00-0026		**Incandescent Track Lighting Fixtures** *(26 51 13 00-0025)*		
		See CSI section 26 51 19 00-0684 for track lighting tracks.		
26 51 13 00-0027	EA	Incandescent Track Lighting Fixture, 120 Volt	87.47	21.05
26 51 13 00-0028	EA	Par 20 Track Fixture, White Or Black Finish, 120 Volt	60.12	21.05
26 51 13 00-0029	EA	Par 30 Track Fixture, White Or Black Finish, 120 Volt	82.21	21.05
26 51 13 00-0030	EA	Par 38 Track Fixture, White Or Black Finish, 120 Volt	84.40	21.05
26 51 13 00-0031	EA	PAR 16, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt	70.12	21.05
26 51 13 00-0032	EA	PAR 20, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt	60.12	21.05
26 51 13 00-0033	EA	PAR 30, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt Note: 120V.	69.07	21.05
26 51 13 00-0034	EA	PAR 38, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt	86.59	21.05
26 51 13 00-0035		**Wet Location, Dust Resistant, Vapor Tight Fixtures** *(26 51 13)*		
26 51 13 00-0036		**Incandescent, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures** *(26 51 13 00-0035)*		
26 51 13 00-0037	EA	100 Watt Incandescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	134.04	50.43
		For Wall Mounted, Add	*5.10*	
26 51 13 00-0038	EA	200 Watt Incandescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	152.47	50.43
		For Wall Mounted, Add	*5.10*	
26 51 16		**Fluorescent Interior Lighting** *(26 51)*		
26 51 16 00-0001		**Fluorescent Fixtures** *(26 51 16)*		
26 51 16 00-0002		**Surface Mounted, Wraparound Fluorescent Fixtures** *(26 51 16 00-0001)*		
26 51 16 00-0003		**6" x 2', Surface Mounted, Wraparound Fluorescent Fixtures** *(26 51 16 00-0002)*		
26 51 16 00-0004	EA	1 T8 Lamp, 6" x 2', Surface Mounted, Wraparound Fluorescent Fixture	193.20	36.05
26 51 16 00-0005	EA	2 T8 Lamps, 6" x 2', Surface Mounted, Wraparound Fluorescent Fixture	217.40	36.05
26 51 16 00-0006		**6" x 4', Surface Mounted, Wraparound Fluorescent Fixtures** *(26 51 16 00-0002)*		
26 51 16 00-0007	EA	1 T8 Lamp, 6" x 4', Surface Mounted, Wraparound Fluorescent Fixture	218.26	37.55
26 51 16 00-0008	EA	2 T8 Lamps, 6" x 4', Surface Mounted, Wraparound Fluorescent Fixture	244.65	37.55
26 51 16 00-0009		**1' x 4', Surface Mounted, Wraparound Fluorescent Fixtures** *(26 51 16 00-0002)*		
26 51 16 00-0010	EA	2 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture	260.66	42.15
26 51 16 00-0011	EA	3 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture	309.71	42.15

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0012	EA	4 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture	363.69	42.15
26 51 16 00-0013		**2' x 2', Surface Mounted, Wraparound Fluorescent Fixtures** *(26 51 16 00-0002)*		
26 51 16 00-0014	EA	2 T8 Lamps, 2' x 2', Surface Mounted, Wraparound Fluorescent Fixture	212.02	46.07
26 51 16 00-0015	EA	3 T8 Lamps, 2' x 2', Surface Mounted, Wraparound Fluorescent Fixture	245.64	46.07
26 51 16 00-0016		**2' x 4', Surface Mounted, Wraparound Fluorescent Fixtures** *(26 51 16 00-0002)*		
26 51 16 00-0017	EA	2 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	333.56	53.67
26 51 16 00-0018	EA	3 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	359.28	53.67
26 51 16 00-0019	EA	4 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	408.27	53.67
26 51 16 00-0020		**Surface Mounted, Box Type Fluorescent Fixtures** *(26 51 16 00-0001)*		
		Note: Includes prismatic lens.		
26 51 16 00-0021		**1' x 4', Surface Mounted, Box Type Fluorescent Fixtures** *(26 51 16 00-0020)*		
26 51 16 00-0022	EA	2 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture	259.19	41.81
26 51 16 00-0023	EA	3 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture	422.85	41.81
26 51 16 00-0024	EA	4 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture	482.70	41.81
26 51 16 00-0025		**2' x 2', Surface Mounted, Box Type Fluorescent Fixtures** *(26 51 16 00-0020)*		
26 51 16 00-0026	EA	2 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture	406.62	46.07
26 51 16 00-0027	EA	3 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture	444.49	46.07
26 51 16 00-0028	EA	4 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture	471.83	46.07
26 51 16 00-0029		**2' x 4', Surface Mounted, Box Type Fluorescent Fixtures** *(26 51 16 00-0020)*		
26 51 16 00-0030	EA	2 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	411.87	53.67
26 51 16 00-0031	EA	3 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	452.12	53.67
26 51 16 00-0032	EA	4 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	474.29	53.67
26 51 16 00-0033	EA	6 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	508.03	53.67
26 51 16 00-0034		**4' x 4', Surface Mounted, Box Type Fluorescent Fixtures** *(26 51 16 00-0020)*		
26 51 16 00-0035	EA	4 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture	819.17	69.11
26 51 16 00-0036	EA	6 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture	832.72	69.11
26 51 16 00-0037	EA	8 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture	708.03	69.11
26 51 16 00-0038		**Recessed Fluorescent Fixtures** *(26 51 16 00-0001)*		
26 51 16 00-0039		**Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures** *(26 51 16 00-0038)*		
26 51 16 00-0040		**1' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture** *(26 51 16 00-0039)*		
26 51 16 00-0041	EA	2 T8 Lamps, 1' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	409.03	36.05
		For Drywall Or Plaster Ceilings, Add	*24.36*	
26 51 16 00-0042		**1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture** *(26 51 16 00-0039)*		
26 51 16 00-0043	EA	2 T8 Lamps, 1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	542.84	41.81
		For Drywall Or Plaster Ceilings, Add	*28.51*	
26 51 16 00-0044	EA	2 T5 Lamps, 1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	1,025.69	41.81
		For Drywall Or Plaster Ceilings, Add	*28.51*	
26 51 16 00-0045		**2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture** *(26 51 16 00-0039)*		
26 51 16 00-0046	EA	2 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	548.91	46.07
		For Drywall Or Plaster Ceilings, Add	*31.10*	
26 51 16 00-0047	EA	3 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	634.05	46.07
		For Drywall Or Plaster Ceilings, Add	*31.10*	
26 51 16 00-0048	EA	4 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	639.95	46.07
		For Drywall Or Plaster Ceilings, Add	*31.10*	
26 51 16 00-0049	EA	2 T5 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	691.06	46.07
		For Drywall Or Plaster Ceilings, Add	*31.10*	
26 51 16 00-0050		**2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture** *(26 51 16 00-0039)*		
26 51 16 00-0051	EA	2 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	522.01	53.67
		For Drywall Or Plaster Ceilings, Add	*36.28*	
26 51 16 00-0052	EA	3 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	749.02	53.67
		For Drywall Or Plaster Ceilings, Add	*36.28*	
26 51 16 00-0053	EA	4 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	755.80	53.67
		For Drywall Or Plaster Ceilings, Add	*36.28*	
26 51 16 00-0054	EA	6 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	845.59	53.67
		For Drywall Or Plaster Ceilings, Add	*36.28*	
26 51 16 00-0055	EA	2 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	718.76	53.67
		For Drywall Or Plaster Ceilings, Add	*36.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0056	EA	3 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	1,003.56	53.67
		For Drywall Or Plaster Ceilings, Add	*36.28*	
26 51 16 00-0057	EA	4 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	1,019.96	53.67
		For Drywall Or Plaster Ceilings, Add	*36.28*	

26 51 16 00-0058 Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0038)*

26 51 16 00-0059 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0058)*

26 51 16 00-0060	EA	1 T8 Lamp, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	487.85	36.05
		For Drywall Or Plaster Ceilings, Add	*24.36*	
26 51 16 00-0061	EA	2 T8 Lamps, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	493.74	36.05
		For Drywall Or Plaster Ceilings, Add	*24.36*	
26 51 16 00-0062	EA	3 T8 Lamps, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	584.34	36.05
		For Drywall Or Plaster Ceilings, Add	*24.36*	

26 51 16 00-0063 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0058)*

26 51 16 00-0064	EA	1 T8 Lamp, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	555.42	41.81
		For Drywall Or Plaster Ceilings, Add	*28.51*	
26 51 16 00-0065	EA	2 T8 Lamps, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	562.20	41.81
		For Drywall Or Plaster Ceilings, Add	*28.51*	
26 51 16 00-0066	EA	3 T8 Lamps, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	638.56	41.81
		For Drywall Or Plaster Ceilings, Add	*28.51*	

26 51 16 00-0067 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0058)*

26 51 16 00-0068	EA	2 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	567.31	46.07
		For Drywall Or Plaster Ceilings, Add	*31.10*	
26 51 16 00-0069	EA	3 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	573.20	46.07
		For Drywall Or Plaster Ceilings, Add	*31.10*	
26 51 16 00-0070	EA	4 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	662.40	46.07
		For Drywall Or Plaster Ceilings, Add	*31.10*	

26 51 16 00-0071 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0058)*

26 51 16 00-0072	EA	2 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	522.01	53.67
		For Drywall Or Plaster Ceilings, Add	*36.28*	
26 51 16 00-0073	EA	3 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	618.06	53.67
		For Drywall Or Plaster Ceilings, Add	*36.28*	
26 51 16 00-0074	EA	4 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	709.21	53.67
		For Drywall Or Plaster Ceilings, Add	*36.28*	
26 51 16 00-0075	EA	6 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	807.47	53.67
		For Drywall Or Plaster Ceilings, Add	*36.28*	

26 51 16 00-0076 Direct-Indirect, Recessed Fluorescent Fixtures *(26 51 16 00-0038)*

26 51 16 00-0077 1' x 4', Direct-Indirect, Recessed Fluorescent Fixtures *(26 51 16 00-0076)*

26 51 16 00-0078	EA	1 T8 Lamp, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture	1,086.67	41.81
		For Drywall Or Plaster Ceilings, Add	*28.51*	
26 51 16 00-0079	EA	2 T8 Lamps, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture	1,093.45	41.81
		For Drywall Or Plaster Ceilings, Add	*28.51*	
26 51 16 00-0080	EA	1 T5 Lamp, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture	1,296.63	41.81
		For Drywall Or Plaster Ceilings, Add	*28.51*	
26 51 16 00-0081	EA	2 T5 Lamps, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture	1,313.03	41.81
		For Drywall Or Plaster Ceilings, Add	*28.51*	

26 51 16 00-0082 2' x 2', Direct-Indirect, Recessed Fluorescent Fixtures *(26 51 16 00-0076)*

26 51 16 00-0083	EA	2 T8 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture	847.55	46.07
		For Drywall Or Plaster Ceilings, Add	*31.10*	
26 51 16 00-0084	EA	3 T8 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture	949.71	46.07
		For Drywall Or Plaster Ceilings, Add	*31.10*	
26 51 16 00-0085	EA	2 T5 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture	1,170.29	46.07
		For Drywall Or Plaster Ceilings, Add	*31.10*	

26 51 16 00-0086 2' x 4', Direct-Indirect, Recessed Fluorescent Fixtures *(26 51 16 00-0076)*

26 51 16 00-0087	EA	2 T8 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture	949.78	53.67
		For Drywall Or Plaster Ceilings, Add	*36.28*	
26 51 16 00-0088	EA	3 T8 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture	1,185.27	53.67
		For Drywall Or Plaster Ceilings, Add	*36.28*	
26 51 16 00-0089	EA	1 T5 Lamp, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture	1,266.05	53.67
		For Drywall Or Plaster Ceilings, Add	*36.28*	
26 51 16 00-0090	EA	2 T5 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture	1,391.93	53.67
		For Drywall Or Plaster Ceilings, Add	*36.28*	

26 51 16 00-0091 Volumetric, Recessed Fluorescent Fixtures *(26 51 16 00-0038)*

26 51 16 00-0092 1' x 4', Volumetric, Recessed Fluorescent Fixtures *(26 51 16 00-0091)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0093	EA	2 T8 Lamps, 1' x 4', Volumetric, Recessed Fluorescent Fixture	839.89	41.81
		For Drywall Or Plaster Ceilings, Add	*28.51*	
26 51 16 00-0094	EA	2 T5 Lamps, 1' x 4', Volumetric, Recessed Fluorescent Fixture	1,127.67	41.81
		For Drywall Or Plaster Ceilings, Add	*28.51*	
26 51 16 00-0095		2' x 2', Volumetric, Recessed Fluorescent Fixtures *(26 51 16 00-0091)*		
26 51 16 00-0096	EA	2 T8 Lamps, 2' x 2', Volumetric, Recessed Fluorescent Fixture	834.15	46.07
		For Drywall Or Plaster Ceilings, Add	*31.10*	
26 51 16 00-0097	EA	2 T5 Lamps, 2' x 2', Volumetric, Recessed Fluorescent Fixture	962.83	46.07
		For Drywall Or Plaster Ceilings, Add	*31.10*	
26 51 16 00-0098		2' x 4', Volumetric, Recessed Fluorescent Fixtures *(26 51 16 00-0091)*		
26 51 16 00-0099	EA	2 T8 Lamps, 2' x 4', Volumetric, Recessed Fluorescent Fixture	925.19	53.67
		For Drywall Or Plaster Ceilings, Add	*36.28*	
26 51 16 00-0100	EA	2 T5 Lamps, 2' x 4', Volumetric, Recessed Fluorescent Fixture	927.33	53.67
		For Drywall Or Plaster Ceilings, Add	*36.28*	
26 51 16 00-0101		Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0038)*		
26 51 16 00-0102		1' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0101)*		
26 51 16 00-0103	EA	2 T8 Lamps, 1' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	773.76	41.81
		For Drywall Or Plaster Ceilings, Add	*28.51*	
26 51 16 00-0104		2' x 2', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0101)*		
26 51 16 00-0105	EA	2 T8 Lamps, 2' x 2', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	737.22	46.07
		For Drywall Or Plaster Ceilings, Add	*31.10*	
26 51 16 00-0106		2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0101)*		
26 51 16 00-0107	EA	2 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	895.36	53.67
		For Drywall Or Plaster Ceilings, Add	*36.28*	
26 51 16 00-0108	EA	3 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	633.36	53.67
		For Drywall Or Plaster Ceilings, Add	*36.28*	
26 51 16 00-0109	EA	4 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	1,031.40	53.67
		For Drywall Or Plaster Ceilings, Add	*36.28*	
26 51 16 00-0110		Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0038)*		
26 51 16 00-0111		1' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0110)*		
26 51 16 00-0112	EA	2 T8 Lamps, 1' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	734.67	41.81
		For Drywall Or Plaster Ceilings, Add	*28.51*	
26 51 16 00-0113		2' x 2', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0110)*		
26 51 16 00-0114	EA	2 T8 Lamps, 2' x 2', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	736.29	46.07
		For Drywall Or Plaster Ceilings, Add	*31.10*	
26 51 16 00-0115		2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0110)*		
26 51 16 00-0116	EA	2 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	917.29	53.67
		For Drywall Or Plaster Ceilings, Add	*36.28*	
26 51 16 00-0117	EA	3 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	931.69	53.67
		For Drywall Or Plaster Ceilings, Add	*36.28*	
26 51 16 00-0118	EA	4 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	954.65	53.67
		For Drywall Or Plaster Ceilings, Add	*36.28*	
26 51 16 00-0119		Striplight Fluorescent Fixtures *(26 51 16 00-0001)*		
26 51 16 00-0120		1 Lamp Cross Section, Striplight Fluorescent Fixtures *(26 51 16 00-0119)*		
26 51 16 00-0121	EA	1-1/2' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	296.46	34.55
26 51 16 00-0122	EA	2' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	371.19	34.55
26 51 16 00-0123	EA	3' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	361.13	38.35
26 51 16 00-0124	EA	4' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	366.65	42.15
26 51 16 00-0125	EA	8' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	449.19	49.93
26 51 16 00-0126		2 Lamp Cross Section, Striplight Fluorescent Fixtures *(26 51 16 00-0119)*		

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0127	EA	2' Length, 2 T8 Lamps, Striplight Fluorescent Fixture	365.90	38.35
26 51 16 00-0128	EA	3' Length, 2 T8 Lamps, Striplight Fluorescent Fixture	373.89	42.15
26 51 16 00-0129	EA	4' Length, 2 T8 Lamps, Striplight Fluorescent Fixture	379.19	46.07
26 51 16 00-0130		**3 Lamp Cross Section, Striplight Fluorescent Fixtures** *(26 51 16 00-0119)*		
26 51 16 00-0131	EA	2' Length, 3 T8 Lamps, Striplight Fluorescent Fixture	553.92	38.35
26 51 16 00-0132	EA	3' Length, 3 T8 Lamps, Striplight Fluorescent Fixture	529.16	42.15
26 51 16 00-0133	EA	4' Length, 3 T8 Lamps, Striplight Fluorescent Fixture	534.21	46.07
26 51 16 00-0134		**Display Case Fluorescent Fixtures** *(26 51 16 00-0119)*		
26 51 16 00-0135	EA	1 T8 Lamp, 1-1/2' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU15W)	194.26	37.82
26 51 16 00-0136	EA	1 T8 Lamp, 2' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU20W)	267.03	37.82
26 51 16 00-0137	EA	1 T8 Lamp, 3' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU30W)	288.09	44.12
26 51 16 00-0138	EA	1 T8 Lamp, 4' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU40W)	298.27	44.12
26 51 16 00-0139		**Industrial Fluorescent Fixtures** *(26 51 16 00-0001)*		
26 51 16 00-0140		**1 Lamp Cross Section, Industrial Fluorescent Fixtures** *(26 51 16 00-0139)*		
26 51 16 00-0141	EA	2' Length, 1 T8 Lamp, Industrial Fluorescent Fixture	443.19	34.55
26 51 16 00-0142	EA	4' Length, 1 T8 Lamp, Industrial Fluorescent Fixture	463.85	42.15
26 51 16 00-0143	EA	8' Length, 1 T8 Lamp, Industrial Fluorescent Fixture	877.78	53.67
26 51 16 00-0144		**2 Lamp Cross Section, Industrial Fluorescent Fixtures** *(26 51 16 00-0139)*		
26 51 16 00-0145	EA	2' Length, 2 T8 Lamps, Industrial Fluorescent Fixture	454.85	38.35
26 51 16 00-0146	EA	4' Length, 2 T8 Lamps, Industrial Fluorescent Fixture	476.40	46.07
26 51 16 00-0147	EA	8' Length, 2 T8 Lamps, Industrial Fluorescent Fixture	891.33	53.67
26 51 16 00-0148		**3 Lamp Cross Section, Industrial Fluorescent Fixtures** *(26 51 16 00-0139)*		
26 51 16 00-0149	EA	2' Length, 3 T8 Lamps, Industrial Fluorescent Fixture	473.45	38.35
26 51 16 00-0150	EA	4' Length, 3 T8 Lamps, Industrial Fluorescent Fixture	492.71	46.07
26 51 16 00-0151	EA	8' Length, 3 T8 Lamps, Industrial Fluorescent Fixture	760.88	53.67
26 51 16 00-0152		**4 Lamp Cross Section, Industrial Fluorescent Fixtures** *(26 51 16 00-0139)*		
26 51 16 00-0153	EA	4' Length, 4 T8 Lamps, Industrial Fluorescent Fixture	693.89	46.07
26 51 16 00-0154	EA	8' Length, 4 T8 Lamps, Industrial Fluorescent Fixture	1,028.55	53.67
26 51 16 00-0155		**Flanged Fluorescent Fixture** *(26 51 16 00-0001)*		
		Note: For plaster or drywall application. With electronic ballast.		
26 51 16 00-0156	EA	2 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture	638.21	69.11
26 51 16 00-0157	EA	3 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture	772.05	69.11
26 51 16 00-0158	EA	4 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture	778.83	69.11
26 51 16 00-0159		**Undercabinet Fluorescent Fixtures** *(26 51 16 00-0001)*		
26 51 16 00-0160	EA	1 T5 Lamp, 12-3/16" Length, Slimline Undercabinet Fluorescent Fixture	228.02	31.10
26 51 16 00-0161	EA	1 T5 Lamp, 21-3/16" Length, Slimline Undercabinet Fluorescent Fixture	263.93	38.01
26 51 16 00-0162	EA	2 T5 Lamps, 24-7/16" Length, Slimline Undercabinet Fluorescent Fixture	259.10	38.01
26 51 16 00-0163	EA	1 T5 Lamp, 33-7/16" Length, Slimline Undercabinet Fluorescent Fixture	316.96	41.46
26 51 16 00-0164	EA	2 T5 Lamps, 42-7/16" Length, Slimline Undercabinet Fluorescent Fixture	368.34	48.38
26 51 16 00-0165		**Surface Mounted, T5HO Fluorescent Fixture** *(26 51 16 00-0001)*		
		Note: For 8' fixture, use two (2) 4' fixtures		
26 51 16 00-0166	EA	1 T5HO Lamp, 60 W, 4' Length, Surface Mounted, Fluorescent Fixture	560.52	53.67
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
		For Gasketed/Wet Location, Add	*57.75*	
26 51 16 00-0167	EA	2 T5HO Lamps, 120 W, 4' Length, Surface Mounted, Fluorescent Fixture	454.43	53.67
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
		For Gasketed/Wet Location, Add	*57.75*	
26 51 16 00-0168	EA	3 T5HO Lamps, 182 W, 4' Length, Surface Mounted, Fluorescent Fixture	472.86	53.67
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
		For Gasketed/Wet Location, Add	*57.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0169	EA	4 T5HO Lamps, 240 W, 4' Length, Surface Mounted, Fluorescent Fixture	545.48	53.67
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
		For Gasketed/Wet Location, Add	*57.75*	
26 51 16 00-0170	EA	6 T5HO Lamps, 358 W, 4' Length, Surface Mounted, Fluorescent Fixture	698.58	53.67
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
		For Gasketed/Wet Location, Add	*57.75*	
26 51 16 00-0171		Corner Mounted, Fluorescent Fixtures *(26 51 16 00-0001)*		
		Note: Includes acrylic drop dish diffuser.		
26 51 16 00-0172		2' Length, Corner Mounted, Fluorescent Fixtures *(26 51 16 00-0171)*		
26 51 16 00-0173	EA	1 T8 Lamp, 2' Length, Corner Mounted, Fluorescent Fixture	259.77	34.55
26 51 16 00-0174	EA	2 T8 Lamps, 2' Length, Corner Mounted, Fluorescent Fixture	289.97	34.55
26 51 16 00-0175		3' Length, Corner Mounted, Fluorescent Fixtures *(26 51 16 00-0171)*		
26 51 16 00-0176	EA	1 T8 Lamp, 3' Length, Corner Mounted, Fluorescent Fixture	296.64	36.28
26 51 16 00-0177	EA	2 T8 Lamps, 3' Length, Corner Mounted, Fluorescent Fixture	325.49	36.28
26 51 16 00-0178		4' Length, Corner Mounted, Fluorescent Fixtures *(26 51 16 00-0171)*		
26 51 16 00-0179	EA	1 T8 Lamp, 4' Length, Corner Mounted, Fluorescent Fixture	292.22	38.01
26 51 16 00-0180	EA	2 T8 Lamps, 4' Length, Corner Mounted, Fluorescent Fixture	321.97	38.01
26 51 16 00-0181		Wall Bracket, Fluorescent Fixtures *(26 51 16 00-0001)*		
26 51 16 00-0182		Wall Bracket, Fluorescent Fixtures (Lithonia W) *(26 51 16 00-0181)*		
		Note: Includes extruded aluminum housing with brushed finish, acrylic diffuser and solid-state electronic ballast.		
26 51 16 00-0183		2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) *(26 51 16 00-0182)*		
26 51 16 00-0184	EA	1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	251.93	57.99
26 51 16 00-0185	EA	2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	256.96	57.99
26 51 16 00-0186		3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) *(26 51 16 00-0182)*		
26 51 16 00-0187	EA	1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	328.24	57.99
26 51 16 00-0188	EA	2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	335.26	57.99
26 51 16 00-0189		4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) *(26 51 16 00-0182)*		
26 51 16 00-0190	EA	1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	340.03	57.99
26 51 16 00-0191	EA	2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	345.05	57.99
26 51 16 00-0192		Wall Bracket, Fluorescent Fixtures (Lithonia WP) *(26 51 16 00-0181)*		
		Note: Includes 20 gauge steel housing with baked finish, acrylic diffuser and solid-state electronic ballast.		
26 51 16 00-0193		2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) *(26 51 16 00-0192)*		
26 51 16 00-0194	EA	1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	690.38	57.99
26 51 16 00-0195	EA	2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	695.40	57.99
26 51 16 00-0196		3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) *(26 51 16 00-0192)*		
26 51 16 00-0197	EA	1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	539.53	57.99
26 51 16 00-0198	EA	2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	546.54	57.99
26 51 16 00-0199		4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) *(26 51 16 00-0192)*		
26 51 16 00-0200	EA	1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	625.01	57.99
26 51 16 00-0201	EA	2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	630.03	57.99
26 51 16 00-0202		Wall Bracket, Fluorescent Fixtures (Lithonia WC) *(26 51 16 00-0181)*		
		Note: Includes 20 gauge steel housing with baked finish, acrylic diffuser and solid-state electronic ballast.		
26 51 16 00-0203		2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) *(26 51 16 00-0202)*		
26 51 16 00-0204	EA	1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	240.99	57.99
26 51 16 00-0205	EA	2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	246.01	57.99
26 51 16 00-0206		3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) *(26 51 16 00-0202)*		
26 51 16 00-0207	EA	1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	242.98	57.99
26 51 16 00-0208	EA	2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	249.99	57.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0209		**4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC)** *(26 51 16 00-0202)*		
26 51 16 00-0210	EA	1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	232.60	57.99
26 51 16 00-0211	EA	2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	237.62	57.99
26 51 16 00-0212		**Low Occupancy, Industrial Fluorescent Fixtures** *(26 51 16 00-0001)*		
26 51 16 00-0213	EA	1 T8 Lamp, 4' Length, Bi-Level Illumination, Industrial Fluorescent Fixture With Integral Occupancy Sensor (Deco SMART™ DSBL-CP)	291.37	42.15
26 51 16 00-0214	EA	2 T8 Lamps, 4' Length, Bi-Level Illumination, Industrial Fluorescent Fixture With Integral Occupancy Sensor (Deco SMART™ DSBL-CP)	297.14	46.07
26 51 16 00-0215		**Surface Mounted, Fluorescent Fixtures, Architectural** *(26 51 16 00-0001)*		
26 51 16 00-0216		**8-1/2"' x 4' Surface Mounted Architectural Fluorescent Fixtures** *(26 51 16 00-0215)*		
26 51 16 00-0217	EA	8-1/2" x 4' Surface Mounted Architectural Fluorescent Fixture, 1 54 Watt T5 HO Lamp Note: With electronic ballast.	488.96	42.15
26 51 16 00-0218		**Surface Mounted, Stairway, Fluorescent Fixtures** *(26 51 16 00-0001)* Note: Includes emergency battery mounted electronic dimming ballasts.		
26 51 16 00-0219	EA	3' Surface Mounted Stairway Fluorescent Fixture 2 25W T8 Lamps Note: Clear prismatic lens, emergency battery backup with electronic dimming ballast. Cooper STL-57-2F25.	791.21	53.67
26 51 16 00-0220	EA	3' Ceiling Mounted Stairway Fluorescent Fixture 2 25W T8 Lamps Note: Clear prismatic lens, emergency battery backup with electronic dimming ballast. Day-Bright STW--C-2-25-CP-120-1/2EBD.	833.61	53.67
26 51 16 00-0221	EA	3' Ceiling Mounted Stairway Fluorescent Fixture 2 25W T8 Lamps Note: Clear prismatic acrylic lens, emergency battery backup with electronic dimming ballast (5%, 10%, 20% & 30%). Lamar Lighting C2-2-25-E8-1-PA-AS-EM.	1,107.75	53.67
26 51 16 00-0222	EA	18" Diameter Surface Mounted Stairway Fluorescent Fixture, 2 26W Note: Clear prismatic acrylic lens, emergency battery backup with electronic dimming ballast (5%, 10%, 20% & 75%). Lamar Lighting MTN-2-26-18-EQ-1-SW-AS-EM.	1,181.11	53.67
26 51 16 00-0223		**Vandal Proof, Wraparound Fluorescent Fixtures** *(26 51 16 00-0001)* Note: 16 gauge welded steel body with powder coated finish, polycarbonate lens, and tamper resistant screws.		
26 51 16 00-0224		**8-1/4" x 2', Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixtures** *(26 51 16 00-0223)*		
26 51 16 00-0225	EA	8-1/4" x 2', 2 T8 Lamps, Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixture (Lightron VPF)	364.93	57.99
26 51 16 00-0226	EA	8-1/4" x 2', 3 T8 Lamps, Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixture (Lightron VPF)	382.51	57.99
26 51 16 00-0227		**8-1/4" x 4', Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixtures** *(26 51 16 00-0223)*		
26 51 16 00-0228	EA	8-1/4" x 4', 1 T8 Lamp, Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixture (Lightron VPF)	417.67	57.99
26 51 16 00-0229	EA	8-1/4" x 4', 2 T8 Lamps, Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixture (Lightron VPF)	432.74	57.99
26 51 16 00-0230	EA	8-1/4" x 4', 3 T8 Lamps, Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixture (Lightron VPF)	452.83	57.99
26 51 16 00-0231		**6" x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures** *(26 51 16 00-0223)*		
26 51 16 00-0232	EA	1 T8 Lamp, 6" x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	251.81	36.05
26 51 16 00-0233	EA	2 T8 Lamps, 6" x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	300.31	36.05
26 51 16 00-0234		**6" x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures** *(26 51 16 00-0223)*		
26 51 16 00-0235	EA	1 T8 Lamp, 6" x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	272.25	37.55
26 51 16 00-0236	EA	2 T8 Lamps, 6" x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	325.46	37.55
26 51 16 00-0237		**1' x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures** *(26 51 16 00-0223)*		
26 51 16 00-0238	EA	2 T8 Lamps, 1' x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	307.59	39.85
26 51 16 00-0239	EA	3 T8 Lamps, 1' x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	365.86	39.85
26 51 16 00-0240	EA	4 T8 Lamps, 1' x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	393.56	39.85
26 51 16 00-0241		**1' x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures** *(26 51 16 00-0223)*		
26 51 16 00-0242	EA	2 T8 Lamps, 1' x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	331.68	42.15
26 51 16 00-0243	EA	3 T8 Lamps, 1' x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	395.08	42.15
26 51 16 00-0244	EA	4 T8 Lamps, 1' x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	425.32	42.15
26 51 16 00-0245		**Ceiling Mounted Fluorescent Fixtures** *(26 51 16)*		
26 51 16 00-0246		**Ceiling Mounted, Compact Fluorescent/Incandescent Fixtures** *(26 51 16 00-0245)*		
26 51 16 00-0247		**Glass Globe, Compact Fluorescent/Incandescent Fixtures** *(26 51 16 00-0246)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0248	EA	6" Diameter, Ceiling Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture	233.54	50.43
26 51 16 00-0249	EA	9" Diameter, Ceiling Mounted, Mushroom Style Glass Globe, Compact Fluorescent/Incandescent Fixture	287.54	50.43
26 51 16 00-0250		**Ceiling Mounted, Circline Fluorescent Fixtures** *(26 51 16 00-0245)*		
26 51 16 00-0251		**Exposed Lamps, Circline Fluorescent Fixtures** *(26 51 16 00-0250)*		
26 51 16 00-0252	EA	8-1/2" Diameter, Ceiling Mounted, Exposed Lamps, Circline Fluorescent Fixture	185.11	50.43
26 51 16 00-0253	EA	12" Diameter, Ceiling Mounted, Exposed Lamps, Circline Fluorescent Fixture	204.73	50.43
26 51 16 00-0254		**Low Profile Acrylic Diffuser, Circline Fluorescent Fixtures** *(26 51 16 00-0250)*		
26 51 16 00-0255	EA	11" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	305.11	50.43
26 51 16 00-0256	EA	14" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	453.78	50.43
26 51 16 00-0257	EA	19" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	556.78	50.43
26 51 16 00-0258	EA	12" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	353.27	50.43
26 51 16 00-0259	EA	15" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	456.82	50.43
26 51 16 00-0260	EA	19" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	556.78	50.43
26 51 16 00-0261		**Ceiling Mounted, Double Twin Tube Compact Fluorescent Fixtures** *(26 51 16 00-0245)*		
26 51 16 00-0262		**Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixtures** *(26 51 16 00-0261)*		
26 51 16 00-0263	EA	11" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	309.29	50.43
26 51 16 00-0264	EA	14" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	418.41	50.43
26 51 16 00-0265	EA	19" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	510.95	50.43
26 51 16 00-0266	EA	12" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	240.35	50.43
26 51 16 00-0267	EA	15" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	297.07	50.43
26 51 16 00-0268	EA	19" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	404.52	50.43
26 51 16 00-0269		**Pendant Mounted, Compact Fluorescent/Incandescent Downlights** *(26 51 16 00-0245)*		
26 51 16 00-0270		**Pendant Mounted, Compact Fluorescent/Incandescent Open Reflector Downlights** *(26 51 16 00-0269)*		
26 51 16 00-0271	EA	6" Diameter, Pendant Mounted, Open Reflector Compact Fluorescent/Incandescent Downlight	523.29	41.43
26 51 16 00-0272		**Pendant Mounted, Compact Fluorescent/Incandescent Downlights With Baffle** *(26 51 16 00-0269)*		
26 51 16 00-0273	EA	6" Diameter, Pendant Mounted, Compact Fluorescent/Incandescent Downlight With Baffle	605.50	41.43
26 51 16 00-0274	EA	8" Diameter, Pendant Mounted, Compact Fluorescent/Incandescent Downlight With Baffle	870.72	41.43
26 51 16 00-0275		**Pendant Mounted, Horizontal Indirect Fluorescent Fixtures** *(26 51 16 00-0245)*		
26 51 16 00-0276	EA	1 T5HO Lamp, 4' Length, Pendent Mounted, Horizontal Indirect Fluorescent Fixture	312.92	41.43
26 51 16 00-0277	EA	2 T5HO Lamps, 4' Length, Pendent Mounted, Horizontal Indirect Fluorescent Fixture	332.50	41.43
26 51 16 00-0278	EA	3 T5HO Lamps, 4' Length, Pendent Mounted, Horizontal Indirect Fluorescent Fixture	398.56	41.43
26 51 16 00-0279	EA	2 T5HO Lamps, 8' Length, Pendent Mounted, Horizontal Indirect Fluorescent Fixture	414.90	41.43
26 51 16 00-0280	EA	4 T5HO Lamps, 8' Length, Pendent Mounted, Horizontal Indirect Fluorescent Fixture	496.32	41.43
26 51 16 00-0281	EA	6 T5HO Lamps, 8' Length, Pendent Mounted, Horizontal Indirect Fluorescent Fixture	592.53	41.43
26 51 16 00-0282		**Finelite Fluorescent Fixtures** *(26 51 16 00-0245)*		
26 51 16 00-0283		**Pendant Mounted, Fluorescent Downlight Fixtures (Finelite Series 10)** *(26 51 16 00-0282)*		
26 51 16 00-0284	EA	1 T8 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	532.46	58.74
		For Dual Circuit, Add	*133.26*	
26 51 16 00-0285	EA	2 T8 Lamps, 2 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	530.08	58.74
		For Dual Circuit, Add	*132.55*	
26 51 16 00-0286	EA	3 T8 Lamps, 3 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	573.47	58.74
		For Dual Circuit, Add	*145.57*	
26 51 16 00-0287	EA	1 T5HO Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	642.44	58.74
		For Dual Circuit, Add	*166.26*	
26 51 16 00-0288	EA	2 T5HO Lamps, 2 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	704.27	58.74
		For Dual Circuit, Add	*184.81*	
26 51 16 00-0289	EA	3 T5HO Lamps, 3 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	866.81	58.74
		For Dual Circuit, Add	*233.57*	
26 51 16 00-0290	EA	2 T8 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	761.47	61.27
		For Dual Circuit, Add	*150.91*	
26 51 16 00-0291	EA	4 T8 Lamps, 2 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	784.18	61.27
		For Dual Circuit, Add	*156.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0292	EA	6 T8 Lamps, 3 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	870.97	61.27
		For Dual Circuit, Add	*175.55*	
26 51 16 00-0293	EA	2 T5HO Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	834.96	61.27
		For Dual Circuit, Add	*167.44*	
26 51 16 00-0294	EA	4 T5HO Lamps, 2 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	1,050.17	61.27
		For Dual Circuit, Add	*215.87*	
26 51 16 00-0295	EA	6 T5HO Lamps, 3 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	1,237.92	61.27
		For Dual Circuit, Add	*258.11*	
26 51 16 00-0296	EA	3 T8 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	1,008.79	63.79
		For Dual Circuit, Add	*137.33*	
26 51 16 00-0297	EA	6 T8 Lamps, 2 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	1,047.43	63.79
		For Dual Circuit, Add	*143.12*	
26 51 16 00-0298	EA	9 T8 Lamps, 3 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	1,159.31	63.79
		For Dual Circuit, Add	*159.90*	
26 51 16 00-0299	EA	3 T5HO Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	1,164.81	63.79
		For Dual Circuit, Add	*160.73*	
26 51 16 00-0300	EA	6 T5HO Lamps, 2 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	1,441.85	63.79
		For Dual Circuit, Add	*202.28*	
26 51 16 00-0301	EA	9 T5HO Lamps, 3 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	1,728.05	63.79
		For Dual Circuit, Add	*245.21*	

26 51 16 00-0302 Pendant Mounted, Fluorescent Wallwash Fixtures (Finelite Series X2-O) *(26 51 16 00-0282)*

26 51 16 00-0303	EA	1 T8 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	525.12	58.74
		For Dual Circuit, Add	*131.06*	
26 51 16 00-0304	EA	1 T5 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	572.44	58.74
		For Dual Circuit, Add	*145.26*	
26 51 16 00-0305	EA	1 T5HO Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	571.68	58.74
		For Dual Circuit, Add	*145.03*	
26 51 16 00-0306	EA	2 T8 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	773.21	61.27
		For Dual Circuit, Add	*153.55*	
26 51 16 00-0307	EA	2 T5 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	828.06	61.27
		For Dual Circuit, Add	*165.89*	
26 51 16 00-0308	EA	2 T5HO Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	826.53	61.27
		For Dual Circuit, Add	*165.55*	
26 51 16 00-0309	EA	3 T8 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	1,021.31	63.79
		For Dual Circuit, Add	*139.20*	
26 51 16 00-0310	EA	3 T5 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	1,163.27	63.79
		For Dual Circuit, Add	*160.50*	
26 51 16 00-0311	EA	3 T5HO Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	1,160.99	63.79
		For Dual Circuit, Add	*160.16*	

26 51 16 00-0312 Pendant Mounted, Fluorescent Indirect Fixtures (Finelite Series 8) *(26 51 16 00-0282)*

26 51 16 00-0313	EA	1 T8 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	400.19	58.74
		For Dual Circuit, Add	*93.58*	
26 51 16 00-0314	EA	2 T8 Lamps, 2 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	422.23	58.74
		For Dual Circuit, Add	*100.19*	
26 51 16 00-0315	EA	3 T8 Lamps, 3 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	500.20	58.74
		For Dual Circuit, Add	*123.59*	
26 51 16 00-0316	EA	2 T8 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	523.91	61.27
		For Dual Circuit, Add	*97.46*	
26 51 16 00-0317	EA	4 T8 Lamps, 2 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	618.83	61.27
		For Dual Circuit, Add	*118.81*	
26 51 16 00-0318	EA	6 T8 Lamps, 3 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	731.55	61.27
		For Dual Circuit, Add	*144.18*	
26 51 16 00-0319	EA	3 T8 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	723.92	63.79
		For Dual Circuit, Add	*94.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0320	EA	6 T8 Lamps, 2 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	886.64	63.79
		For Dual Circuit, Add	*119.00*	
26 51 16 00-0321	EA	9 T8 Lamps, 3 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	1,059.53	63.79
		For Dual Circuit, Add	*144.94*	

26 51 16 00-0322 Fluorescent, Recessed Fixture Housings *(26 51 16)*

26 51 16 00-0323	EA	4" Round, Fluorescent, T Or ICT Recessed Fixture Housing	140.29	36.06
		For ICAT Housing, Add	*11.10*	
26 51 16 00-0324	EA	5" Round, Fluorescent, T Or ICT Recessed Fixture Housing	144.98	36.06
		For ICAT Housing, Add	*11.71*	
26 51 16 00-0325	EA	6" Round, Fluorescent, T Or ICT Recessed Fixture Housing	151.06	37.69
		For ICAT Housing, Add	*12.17*	
26 51 16 00-0326	EA	7" Round, Fluorescent, T Or ICT Recessed Fixture Housing	158.74	39.08
		For ICAT Housing, Add	*12.83*	
26 51 16 00-0327	EA	8" Round, Fluorescent, T Or ICT Recessed Fixture Housing	165.45	41.10
		For ICAT Housing, Add	*13.37*	
26 51 16 00-0328	EA	10" To 12" Square, Fluorescent, T Or ICT Recessed Fixture Housing	171.37	43.62
		For ICAT Housing, Add	*13.65*	

26 51 16 00-0329 Compact Fluorescent, Recessed Fixture Housings *(26 51 16)*

26 51 16 00-0330	EA	4" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	160.47	36.06
		For ICAT Housing, Add	*13.71*	
26 51 16 00-0331	EA	5" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	165.09	36.06
		For ICAT Housing, Add	*14.30*	
26 51 16 00-0332	EA	6" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	171.31	37.82
		For ICAT Housing, Add	*14.78*	
26 51 16 00-0333	EA	7" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	176.34	39.46
		For ICAT Housing, Add	*15.10*	
26 51 16 00-0334	EA	8" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	182.10	41.10
		For ICAT Housing, Add	*15.52*	
26 51 16 00-0335	EA	10" To 12" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	187.67	43.62
		For ICAT Housing, Add	*15.75*	

26 51 16 00-0336 Fluorescent Track Lighting Fixtures *(26 51 16)*

26 51 16 00-0337	EA	2L 18W BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	302.68	21.05
26 51 16 00-0338	EA	2L 39W BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	311.44	21.05
26 51 16 00-0339	EA	2L 40W BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	316.91	21.05
26 51 16 00-0340	EA	2L 50W BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	195.78	21.05
26 51 16 00-0341	EA	2L, 55 Watt BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	338.37	21.05

26 51 16 00-0342 Compact Fluorescent Track Lighting Fixtures *(26 51 16)*

26 51 16 00-0343	EA	Compact Fluorescent Track Lighting Fixture	102.68	21.05

26 51 16 00-0344 Compact Fluorescent, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures *(26 51 16)*

26 51 16 00-0345	EA	13 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	143.55	50.43
		For Wall Mounted, Add	*6.02*	
26 51 16 00-0346	EA	22 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	147.18	50.43
		For Wall Mounted, Add	*6.02*	
26 51 16 00-0347	EA	28 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	156.14	50.43
		For Wall Mounted, Add	*6.02*	

26 51 16 00-0348 Wet Location, Dust Resistant, Vapor Tight, Enclosed And Gasketed, Industrial Fluorescent Fixtures *(26 51 16)*

26 51 16 00-0349 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures *(26 51 16 00-0348)*

26 51 16 00-0350 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Lithonia DMW) *(26 51 16 00-0349)*

Note: Includes high impact acrylic molded lens.

26 51 16 00-0351	EA	1 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)	321.17	53.67
		For T5 Fixture Instead Of T8, Add	*27.54*	
26 51 16 00-0352	EA	2 T8 Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)	336.83	53.67
		For T5 Fixture Instead Of T8, Add	*29.33*	
26 51 16 00-0353	EA	3 T8 Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)	528.69	53.67
		For T5 Fixture Instead Of T8, Add	*51.30*	
26 51 16 00-0354	EA	1 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)	456.03	53.67
26 51 16 00-0355	EA	2 T8HO Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)	735.44	53.67

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0356		4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Day-Brite V2W) *(26 51 16 00-0349)*		
		Note: Includes high impact acrylic molded lens.		
26 51 16 00-0357	EA	1 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	377.67	53.67
26 51 16 00-0358	EA	2 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	382.43	53.67
26 51 16 00-0359	EA	3 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	558.97	53.67
26 51 16 00-0360	EA	1 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	461.58	53.67
26 51 16 00-0361	EA	2 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	482.66	53.67
26 51 16 00-0362		8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures *(26 51 16 00-0348)*		
		Note: Includes high impact acrylic molded lens.		
26 51 16 00-0363		8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Lithonia TDMW) *(26 51 16 00-0362)*		
		Note: Includes high impact acrylic molded lens.		
26 51 16 00-0364	EA	2 T8 Lamps, 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia TDMW)	606.96	72.91
		For T5 Fixture Instead Of T8, Add	*56.97*	
26 51 16 00-0365	EA	4 T8 Lamps, 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia TDMW)	631.66	72.91
		For T5 Fixture Instead Of T8, Add	*59.80*	
26 51 16 00-0366		High Bay Fluorescent Fixtures *(26 51 16)*		
26 51 16 00-0367		(T8) Fluorescent, High Bay Fixtures *(26 51 16 00-0366)*		
26 51 16 00-0368		(T8) Fluorescent, High Bay Fixtures (Lithonia) *(26 51 16 00-0367)*		
		Note: For 8' fixture, use two (2) 4' fixtures.		
26 51 16 00-0369	EA	2 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	525.23	117.48
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0370	EA	3 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	549.82	130.16
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0371	EA	4 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	623.05	148.58
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0372	EA	6 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	748.57	156.53
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0373	EA	8 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	814.74	163.79
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0374	EA	4 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	460.68	148.58
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0375	EA	6 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	485.74	156.53
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0376	EA	8 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	555.55	163.79
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0377		(T5HO) Fluorescent, High Bay Fixtures *(26 51 16 00-0366)*		
26 51 16 00-0378		(T5HO) Fluorescent, High Bay Fixtures (Lithonia) *(26 51 16 00-0377)*		
		Note: For 8' fixture, use two (2) 4' fixtures.		
26 51 16 00-0379	EA	2 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	531.19	117.48
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0380	EA	3 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	555.91	130.16
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0381	EA	4 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	633.14	148.58
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0382	EA	6 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	768.96	156.53
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0383	EA	4 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	485.89	148.58
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0384	EA	6 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	536.00	156.53
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0385	EA	8 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	625.32	163.79
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	

26 51 19 LED Interior Lighting *(26 51)*

26 51 19 00-0001 LED Fixtures *(26 51 19)*

26 51 19 00-0002 Undercabinet LED Fixtures *(26 51 19 00-0001)*

26 51 19 00-0003	EA	12" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ12-M6)	142.42	31.10
		For >50 To 100, Deduct	*-4.86*	
		For >100 To 250, Deduct	*-8.42*	
		For >250 To 500, Deduct	*-14.24*	
		For >500, Deduct	*-20.07*	
26 51 19 00-0004	EA	18" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ18-M6)	176.21	38.01
		For >50 To 100, Deduct	*-5.99*	
		For >100 To 250, Deduct	*-10.39*	
		For >250 To 500, Deduct	*-17.62*	
		For >500, Deduct	*-24.85*	
26 51 19 00-0005	EA	24" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ24-M6)	177.24	38.01
		For >50 To 100, Deduct	*-6.01*	
		For >100 To 250, Deduct	*-10.45*	
		For >250 To 500, Deduct	*-17.72*	
		For >500, Deduct	*-25.00*	
26 51 19 00-0006	EA	24" HIDE-A-LITE V Series LED Undercabinet Fixture (Progress Lighting P700003-028-30)	168.48	31.10
		For >50 To 100, Deduct	*-5.51*	
		For >100 To 250, Deduct	*-9.72*	
		For >250 To 500, Deduct	*-16.85*	
		For >500, Deduct	*-23.98*	

26 51 19 00-0007 Surface Mount Linear/Striplight LED Fixtures *(26 51 19 00-0001)*

26 51 19 00-0008 Striplight LED Fixtures (Lithonia CLX) *(26 51 19 00-0007)*

Note: Standard efficiency, flat or round diffuse lens, 120-277 volt, 0-10 volt dimming, 3000K to 5000K color temperature, 80CRI

26 51 19 00-0009	EA	2' Length, 1,500 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	221.52	34.55
26 51 19 00-0010	EA	2' Length, 2,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	227.46	34.55
26 51 19 00-0011	EA	4' Length, 3,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	262.77	42.15
26 51 19 00-0012	EA	4' Length, 4,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	268.72	42.15
26 51 19 00-0013	EA	4' Length, 5,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	274.67	42.15
26 51 19 00-0014	EA	4' Length, 7,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	280.61	42.15
26 51 19 00-0015	EA	4' Length, 9,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	286.57	42.15
26 51 19 00-0016	EA	8' Length, 6,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	366.47	49.87
26 51 19 00-0017	EA	8' Length, 8,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	378.36	49.87
26 51 19 00-0018	EA	8' Length, 10,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	391.74	49.87
26 51 19 00-0019	EA	8' Length, 14,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	403.64	49.87
26 51 19 00-0020	EA	8' Length, 18,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	417.02	49.87
26 51 19 00-0021	EA	8' Length, 20,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	428.92	49.87

26 51 19 00-0022 Striplight LED Fixtures (Lithonia ZL) *(26 51 19 00-0007)*

26 51 19 00-0023	EA	3,000 Lumens, 2' Length, LED Striplight Fixture (Lithonia ZL1)	219.18	34.55
		For >50 To 100, Deduct	*-6.78*	
		For >100 To 250, Deduct	*-12.25*	
		For >250 To 500, Deduct	*-21.92*	
		For >500, Deduct	*-31.58*	
26 51 19 00-0024	EA	2,800 Lumens, 4' Length, LED Striplight Fixture (Lithonia ZL1)	230.70	42.15
		For >50 To 100, Deduct	*-7.35*	
		For >100 To 250, Deduct	*-13.12*	
		For >250 To 500, Deduct	*-23.07*	
		For >500, Deduct	*-33.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0025	EA	1,400 Lumens, 2' Length, Lensed LED Striplight Fixture (Lithonia ZL2)	243.56	34.55
		For >50 To 100, Deduct	*-7.38*	
		For >100 To 250, Deduct	*-13.47*	
		For >250 To 500, Deduct	*-24.36*	
		For >500, Deduct	*-35.24*	
26 51 19 00-0026	EA	2,300 Lumens, 4' Length, Lensed LED Striplight Fixture (Lithonia ZL2)	255.08	42.15
		For >50 To 100, Deduct	*-7.96*	
		For >100 To 250, Deduct	*-14.34*	
		For >250 To 500, Deduct	*-25.51*	
		For >500, Deduct	*-36.68*	
26 51 19 00-0027	EA	4,600 Lumens, 4' Length, Lensed LED Striplight Fixture (Lithonia ZL2)	317.16	42.15
		For >50 To 100, Deduct	*-9.51*	
		For >100 To 250, Deduct	*-17.44*	
		For >250 To 500, Deduct	*-31.72*	
		For >500, Deduct	*-45.99*	
26 51 19 00-0028		**Striplight LED Fixtures (Lithonia TZL1D)** *(26 51 19 00-0007)*		
26 51 19 00-0029	EA	8,077 Lumens, 60 Watt, 8' Length, 3000K CCT, LED Striplight (Lithonia Lighting TZL1D L96 6000LM MVOLT 30K 80CRI)	428.52	49.87
		For >50 To 100, Deduct	*-12.58*	
		For >100 To 250, Deduct	*-23.30*	
		For >250 To 500, Deduct	*-42.85*	
		For >500, Deduct	*-62.41*	
26 51 19 00-0030	EA	8,257 Lumens, 60 Watt, 8' Length, 3500K CCT, LED Striplight (Lithonia Lighting TZL1D L96 6000LM MVOLT 35K 80CRI)	428.52	49.87
		For >50 To 100, Deduct	*-12.58*	
		For >100 To 250, Deduct	*-23.30*	
		For >250 To 500, Deduct	*-42.85*	
		For >500, Deduct	*-62.41*	
26 51 19 00-0031	EA	8,386 Lumens, 60 Watt, 8' Length, 4000K CCT, LED Striplight (Lithonia Lighting TZL1D L96 6000LM MVOLT 40K 80CRI)	428.52	49.87
		For >50 To 100, Deduct	*-12.58*	
		For >100 To 250, Deduct	*-23.30*	
		For >250 To 500, Deduct	*-42.85*	
		For >500, Deduct	*-62.41*	
26 51 19 00-0032	EA	8,694 Lumens, 60 Watt, 8' Length, 5000K CCT, LED Striplight (Lithonia Lighting TZL1D L96 6000LM MVOLT 50K 80CRI)	428.52	49.87
		For >50 To 100, Deduct	*-12.58*	
		For >100 To 250, Deduct	*-23.30*	
		For >250 To 500, Deduct	*-42.85*	
		For >500, Deduct	*-62.41*	
26 51 19 00-0033	EA	11,021 Lumens, 81 Watt, 8' Length, 3000K CCT, LED Striplight (Lithonia Lighting TZL1D L96 10000LM MVOLT 30K 80CRI)	451.13	49.87
		For >50 To 100, Deduct	*-13.15*	
		For >100 To 250, Deduct	*-24.43*	
		For >250 To 500, Deduct	*-45.11*	
		For >500, Deduct	*-65.80*	
26 51 19 00-0034	EA	11,267 Lumens, 81 Watt, 8' Length, 3500K CCT, LED Striplight (Lithonia Lighting TZL1D L96 10000LM MVOLT 35K 80CRI)	451.13	49.87
		For >50 To 100, Deduct	*-13.15*	
		For >100 To 250, Deduct	*-24.43*	
		For >250 To 500, Deduct	*-45.11*	
		For >500, Deduct	*-65.80*	
26 51 19 00-0035	EA	11,442 Lumens, 81 Watt, 8' Length, 4000K CCT, LED Striplight (Lithonia Lighting TZL1D L96 10000LM MVOLT 40K 80CRI)	451.13	49.87
		For >50 To 100, Deduct	*-13.15*	
		For >100 To 250, Deduct	*-24.43*	
		For >250 To 500, Deduct	*-45.11*	
		For >500, Deduct	*-65.80*	
26 51 19 00-0036	EA	11,864 Lumens, 81 Watt, 8' Length, 5000K CCT, LED Striplight (Lithonia Lighting TZL1D L96 10000LM MVOLT 50K 80CRI)	451.13	49.87
		For >50 To 100, Deduct	*-13.15*	
		For >100 To 250, Deduct	*-24.43*	
		For >250 To 500, Deduct	*-45.11*	
		For >500, Deduct	*-65.80*	
26 51 19 00-0037	EA	15,397 Lumens, 121 Watt, 8' Length, 3000K CCT, LED Striplight (Lithonia Lighting TZL1D L96 14000LM MVOLT 30K 80CRI)	473.86	49.87
		For >50 To 100, Deduct	*-13.72*	
		For >100 To 250, Deduct	*-25.56*	
		For >250 To 500, Deduct	*-47.39*	
		For >500, Deduct	*-69.21*	
26 51 19 00-0038	EA	15,741 Lumens, 121 Watt, 8' Length, 3500K CCT, LED Striplight (Lithonia Lighting TZL1D L96 14000LM MVOLT 35K 80CRI)	473.86	49.87
		For >50 To 100, Deduct	*-13.72*	
		For >100 To 250, Deduct	*-25.56*	
		For >250 To 500, Deduct	*-47.39*	
		For >500, Deduct	*-69.21*	
26 51 19 00-0039	EA	15,986 Lumens, 121 Watt, 8' Length, 4000K CCT, LED Striplight (Lithonia Lighting TZL1D L96 14000LM MVOLT 40K 80CRI)	473.86	49.87
		For >50 To 100, Deduct	*-13.72*	
		For >100 To 250, Deduct	*-25.56*	
		For >250 To 500, Deduct	*-47.39*	
		For >500, Deduct	*-69.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0040	EA	16,574 Lumens, 121 Watt, 8' Length, 5000K CCT, LED Striplight (Lithonia Lighting TZL1D L96 14000LM MVOLT 50K 80CRI)	473.86	49.87
		For >50 To 100, Deduct	*-13.72*	
		For >100 To 250, Deduct	*-25.56*	
		For >250 To 500, Deduct	*-47.39*	
		For >500, Deduct	*-69.21*	

26 51 19 00-0041 Striplight LED Fixtures (Lithonia ZL1D) *(26 51 19 00-0007)*

26 51 19 00-0042	EA	1,985 Lumens, 17 Watt, 2' Length, 3000K CCT, LED Striplight (Lithonia Lighting ZL1D L24 1500LM MVOLT 30K 80CRI)	176.53	34.55
		For >50 To 100, Deduct	*-5.71*	
		For >100 To 250, Deduct	*-10.12*	
		For >250 To 500, Deduct	*-17.65*	
		For >500, Deduct	*-25.18*	
26 51 19 00-0043	EA	2,030 Lumens, 17 Watt, 2' Length, 3500K CCT, LED Striplight (Lithonia Lighting ZL1D L24 1500LM MVOLT 35K 80CRI)	176.53	34.55
		For >50 To 100, Deduct	*-5.71*	
		For >100 To 250, Deduct	*-10.12*	
		For >250 To 500, Deduct	*-17.65*	
		For >500, Deduct	*-25.18*	
26 51 19 00-0044	EA	2,061 Lumens, 17 Watt, 2' Length, 4000K CCT, LED Striplight (Lithonia Lighting ZL1D L24 1500LM MVOLT 40K 80CRI)	176.53	34.55
		For >50 To 100, Deduct	*-5.71*	
		For >100 To 250, Deduct	*-10.12*	
		For >250 To 500, Deduct	*-17.65*	
		For >500, Deduct	*-25.18*	
26 51 19 00-0045	EA	2,137 Lumens, 17 Watt, 2' Length, 5000K CCT, LED Striplight (Lithonia Lighting ZL1D L24 1500LM MVOLT 50K 80CRI)	176.53	34.55
		For >50 To 100, Deduct	*-5.71*	
		For >100 To 250, Deduct	*-10.12*	
		For >250 To 500, Deduct	*-17.65*	
		For >500, Deduct	*-25.18*	
26 51 19 00-0046	EA	2,682 Lumens, 22 Watt, 2' Length, 3000K CCT, LED Striplight (Lithonia Lighting ZL1D L24 2500LM MVOLT 30K 80CRI)	199.26	34.55
		For >50 To 100, Deduct	*-6.28*	
		For >100 To 250, Deduct	*-11.26*	
		For >250 To 500, Deduct	*-19.93*	
		For >500, Deduct	*-28.59*	
26 51 19 00-0047	EA	2,742 Lumens, 22 Watt, 2' Length, 3500K CCT, LED Striplight (Lithonia Lighting ZL1D L24 2500LM MVOLT 35K 80CRI)	199.26	34.55
		For >50 To 100, Deduct	*-6.28*	
		For >100 To 250, Deduct	*-11.26*	
		For >250 To 500, Deduct	*-19.93*	
		For >500, Deduct	*-28.59*	
26 51 19 00-0048	EA	2,785 Lumens, 22 Watt, 2' Length, 4000K CCT, LED Striplight (Lithonia Lighting ZL1D L24 2500LM MVOLT 40K 80CRI)	199.26	34.55
		For >50 To 100, Deduct	*-6.28*	
		For >100 To 250, Deduct	*-11.26*	
		For >250 To 500, Deduct	*-19.93*	
		For >500, Deduct	*-28.59*	
26 51 19 00-0049	EA	2,887 Lumens, 22 Watt, 2' Length, 5000K CCT, LED Striplight (Lithonia Lighting ZL1D L24 2500LM MVOLT 50K 80CRI)	199.26	34.55
		For >50 To 100, Deduct	*-6.28*	
		For >100 To 250, Deduct	*-11.26*	
		For >250 To 500, Deduct	*-19.93*	
		For >500, Deduct	*-28.59*	
26 51 19 00-0050	EA	4,099 Lumens, 36 Watt, 2' Length, 3000K CCT, LED Striplight (Lithonia Lighting ZL1D L24 3500LM MVOLT 30K 80CRI)	210.55	34.55
		For >50 To 100, Deduct	*-6.56*	
		For >100 To 250, Deduct	*-11.82*	
		For >250 To 500, Deduct	*-21.06*	
		For >500, Deduct	*-30.29*	
26 51 19 00-0051	EA	4,190 Lumens, 36 Watt, 2' Length, 3500K CCT, LED Striplight (Lithonia Lighting ZL1D L24 3500LM MVOLT 35K 80CRI)	210.55	34.55
		For >50 To 100, Deduct	*-6.56*	
		For >100 To 250, Deduct	*-11.82*	
		For >250 To 500, Deduct	*-21.06*	
		For >500, Deduct	*-30.29*	
26 51 19 00-0052	EA	4,255 Lumens, 36 Watt, 2' Length, 4000K CCT, LED Striplight (Lithonia Lighting ZL1D L24 3500LM MVOLT 40K 80CRI)	210.55	34.55
		For >50 To 100, Deduct	*-6.56*	
		For >100 To 250, Deduct	*-11.82*	
		For >250 To 500, Deduct	*-21.06*	
		For >500, Deduct	*-30.29*	
26 51 19 00-0053	EA	4,412 Lumens, 36 Watt, 2' Length, 5000K CCT, LED Striplight (Lithonia Lighting ZL1D L24 3500LM MVOLT 50K 80CRI)	210.55	34.55
		For >50 To 100, Deduct	*-6.56*	
		For >100 To 250, Deduct	*-11.82*	
		For >250 To 500, Deduct	*-21.06*	
		For >500, Deduct	*-30.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0054	EA	3,880 Lumens, 30 Watt, 4' Length, 3000K CCT, LED Striplight (Lithonia Lighting ZL1D L48 3000LM MVOLT 30K 80CRI)	240.18	42.15
		For >50 To 100, Deduct	*-7.59*	
		For >100 To 250, Deduct	*-13.59*	
		For >250 To 500, Deduct	*-24.02*	
		For >500, Deduct	*-34.44*	
26 51 19 00-0055	EA	3,966 Lumens, 30 Watt, 4' Length, 3500K CCT, LED Striplight (Lithonia Lighting ZL1D L48 3000LM MVOLT 35K 80CRI)	240.18	42.15
		For >50 To 100, Deduct	*-7.59*	
		For >100 To 250, Deduct	*-13.59*	
		For >250 To 500, Deduct	*-24.02*	
		For >500, Deduct	*-34.44*	
26 51 19 00-0056	EA	4,028 Lumens, 30 Watt, 4' Length, 4000K CCT, LED Striplight (Lithonia Lighting ZL1D L48 3000LM MVOLT 40K 80CRI)	240.18	42.15
		For >50 To 100, Deduct	*-7.59*	
		For >100 To 250, Deduct	*-13.59*	
		For >250 To 500, Deduct	*-24.02*	
		For >500, Deduct	*-34.44*	
26 51 19 00-0057	EA	4,176 Lumens, 30 Watt, 4' Length, 5000K CCT, LED Striplight (Lithonia Lighting ZL1D L48 3000LM MVOLT 50K 80CRI)	240.18	42.15
		For >50 To 100, Deduct	*-7.59*	
		For >100 To 250, Deduct	*-13.59*	
		For >250 To 500, Deduct	*-24.02*	
		For >500, Deduct	*-34.44*	
26 51 19 00-0058	EA	5,337 Lumens, 41 Watt, 4' Length, 3000K CCT, LED Striplight (Lithonia Lighting ZL1D L48 5000LM MVOLT 30K 80CRI)	251.48	42.15
		For >50 To 100, Deduct	*-7.87*	
		For >100 To 250, Deduct	*-14.16*	
		For >250 To 500, Deduct	*-25.15*	
		For >500, Deduct	*-36.14*	
26 51 19 00-0059	EA	5,456 Lumens, 41 Watt, 4' Length, 3500K CCT, LED Striplight (Lithonia Lighting ZL1D L48 5000LM MVOLT 35K 80CRI)	251.48	42.15
		For >50 To 100, Deduct	*-7.87*	
		For >100 To 250, Deduct	*-14.16*	
		For >250 To 500, Deduct	*-25.15*	
		For >500, Deduct	*-36.14*	
26 51 19 00-0060	EA	5,541 Lumens, 41 Watt, 4' Length, 4000K CCT, LED Striplight (Lithonia Lighting ZL1D L48 5000LM MVOLT 40K 80CRI)	251.48	42.15
		For >50 To 100, Deduct	*-7.87*	
		For >100 To 250, Deduct	*-14.16*	
		For >250 To 500, Deduct	*-25.15*	
		For >500, Deduct	*-36.14*	
26 51 19 00-0061	EA	5,745 Lumens, 41 Watt, 4' Length, 5000K CCT, LED Striplight (Lithonia Lighting ZL1D L48 5000LM MVOLT 50K 80CRI)	251.48	42.15
		For >50 To 100, Deduct	*-7.87*	
		For >100 To 250, Deduct	*-14.16*	
		For >250 To 500, Deduct	*-25.15*	
		For >500, Deduct	*-36.14*	
26 51 19 00-0062	EA	7,317 Lumens, 59 Watt, 4' Length, 3000K CCT, LED Striplight (Lithonia Lighting ZL1D L48 7000LM MVOLT 30K 80CRI)	262.79	42.15
		For >50 To 100, Deduct	*-8.15*	
		For >100 To 250, Deduct	*-14.72*	
		For >250 To 500, Deduct	*-26.28*	
		For >500, Deduct	*-37.84*	
26 51 19 00-0063	EA	7,480 Lumens, 59 Watt, 4' Length, 3500K CCT, LED Striplight (Lithonia Lighting ZL1D L48 7000LM MVOLT 35K 80CRI)	262.79	42.15
		For >50 To 100, Deduct	*-8.15*	
		For >100 To 250, Deduct	*-14.72*	
		For >250 To 500, Deduct	*-26.28*	
		For >500, Deduct	*-37.84*	
26 51 19 00-0064	EA	7,596 Lumens, 59 Watt, 4' Length, 4000K CCT, LED Striplight (Lithonia Lighting ZL1D L48 7000LM MVOLT 40K 80CRI)	262.79	42.15
		For >50 To 100, Deduct	*-8.15*	
		For >100 To 250, Deduct	*-14.72*	
		For >250 To 500, Deduct	*-26.28*	
		For >500, Deduct	*-37.84*	
26 51 19 00-0065	EA	7,876 Lumens, 59 Watt, 4' Length, 5000K CCT, LED Striplight (Lithonia Lighting ZL1D L48 7000LM MVOLT 50K 80CRI)	262.79	42.15
		For >50 To 100, Deduct	*-8.15*	
		For >100 To 250, Deduct	*-14.72*	
		For >250 To 500, Deduct	*-26.28*	
		For >500, Deduct	*-37.84*	
26 51 19 00-0066		Striplight LED Fixtures (Mobern) *(26 51 19 00-0007)*		
26 51 19 00-0067	EA	1,100 Lumens, 12 Watt, 2' Length, Chrome, LED Bracket Fixture (Mobern 7924LED12DMV30)	227.38	34.55
		For >50 To 100, Deduct	*-6.98*	
		For >100 To 250, Deduct	*-12.66*	
		For >250 To 500, Deduct	*-22.74*	
		For >500, Deduct	*-32.81*	
26 51 19 00-0068		Striplight LED Fixtures (Eaton) *(26 51 19 00-0007)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0069	EA	2,301 Lumens, 18 Watt, 4' Length, LED Strip Lighting (Eaton Lighting 4SNLED-LD4-22SL-LC-UNV-L840-CD1-U)	289.19	42.15
		For >50 To 100, Deduct	*-8.81*	
		For >100 To 250, Deduct	*-16.04*	
		For >250 To 500, Deduct	*-28.92*	
		For >500, Deduct	*-41.80*	
26 51 19 00-0070	EA	2,382 Lumens, 16 Watt, 4' Length, LED Clear Lensed Striplight (Cooper Industries 4SNLED-LD5-22SL-LC-UNV-L840-CD1-U)	272.72	42.15
		For >50 To 100, Deduct	*-8.40*	
		For >100 To 250, Deduct	*-15.22*	
		For >250 To 500, Deduct	*-27.27*	
		For >500, Deduct	*-39.32*	
26 51 19 00-0071	EA	2,382 Lumens, 16 Watt, 4' Length, Clear Lens, LED Striplight (Cooper Industries Metalux Series 4SNLED-LD5-22SL-LC-UNV-830-CD1-U)	289.19	42.15
		For >50 To 100, Deduct	*-8.81*	
		For >100 To 250, Deduct	*-16.04*	
		For >250 To 500, Deduct	*-28.92*	
		For >500, Deduct	*-41.80*	

26 51 19 00-0072 Suspended Linear LED Fixtures *(26 51 19 00-0001)*

26 51 19 00-0073 Suspended, Pendant Mounted, Linear LED Fixtures (Lithonia GRD) *(26 51 19 00-0072)*

26 51 19 00-0074	EA	3,303 Lumens, 25 Watt, 4' Length, 3000K CCT, 4' Length, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 30K ID800LMF)	735.49	42.15
		For >50 To 100, Deduct	*-19.97*	
		For >100 To 250, Deduct	*-38.36*	
		For >250 To 500, Deduct	*-73.55*	
		For >500, Deduct	*-108.74*	
26 51 19 00-0075	EA	3,401 Lumens, 25 Watt, 4' Length, 3500K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 35K ID800LMF)	735.49	42.15
		For >50 To 100, Deduct	*-19.97*	
		For >100 To 250, Deduct	*-38.36*	
		For >250 To 500, Deduct	*-73.55*	
		For >500, Deduct	*-108.74*	
26 51 19 00-0076	EA	3,456 Lumens, 25 Watt, 4' Length, 4000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 40K ID800LMF)	735.49	42.15
		For >50 To 100, Deduct	*-19.97*	
		For >100 To 250, Deduct	*-38.36*	
		For >250 To 500, Deduct	*-73.55*	
		For >500, Deduct	*-108.74*	
26 51 19 00-0077	EA	4,033 Lumens, 32 Watt, 4' Length, 3000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 30K ID1000LMF)	735.49	42.15
		For >50 To 100, Deduct	*-19.97*	
		For >100 To 250, Deduct	*-38.36*	
		For >250 To 500, Deduct	*-73.55*	
		For >500, Deduct	*-108.74*	
26 51 19 00-0078	EA	4,153 Lumens, 32 Watt, 4' Length, 3500K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 35K ID1000LMF)	735.49	42.15
		For >50 To 100, Deduct	*-19.97*	
		For >100 To 250, Deduct	*-38.36*	
		For >250 To 500, Deduct	*-73.55*	
		For >500, Deduct	*-108.74*	
26 51 19 00-0079	EA	4,220 Lumens, 32 Watt, 4' Length, 4000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 40K ID1000LMF)	735.49	42.15
		For >50 To 100, Deduct	*-19.97*	
		For >100 To 250, Deduct	*-38.36*	
		For >250 To 500, Deduct	*-73.55*	
		For >500, Deduct	*-108.74*	
26 51 19 00-0080	EA	4,843 Lumens, 40 Watt, 4' Length, 3000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 30K ID1300LMF)	735.49	42.15
		For >50 To 100, Deduct	*-19.97*	
		For >100 To 250, Deduct	*-38.36*	
		For >250 To 500, Deduct	*-73.55*	
		For >500, Deduct	*-108.74*	
26 51 19 00-0081	EA	4,987 Lumens, 40 Watt, 4' Length, 3500K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 35K ID1300LMF)	735.49	42.15
		For >50 To 100, Deduct	*-19.97*	
		For >100 To 250, Deduct	*-38.36*	
		For >250 To 500, Deduct	*-73.55*	
		For >500, Deduct	*-108.74*	
26 51 19 00-0082	EA	5,067 Lumens, 40 Watt, 4' Length, 4000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 40K ID1300LMF)	735.49	42.15
		For >50 To 100, Deduct	*-19.97*	
		For >100 To 250, Deduct	*-38.36*	
		For >250 To 500, Deduct	*-73.55*	
		For >500, Deduct	*-108.74*	
26 51 19 00-0083	EA	5,841 Lumens, 51 Watt, 4' Length, 3000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 30K ID1500LMF)	735.49	42.15
		For >50 To 100, Deduct	*-19.97*	
		For >100 To 250, Deduct	*-38.36*	
		For >250 To 500, Deduct	*-73.55*	
		For >500, Deduct	*-108.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0084	EA	6,015 Lumens, 51 Watt, 4' Length, 3500K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 35K ID1500LMF)	735.49	42.15
		For >50 To 100, Deduct	*-19.97*	
		For >100 To 250, Deduct	*-38.36*	
		For >250 To 500, Deduct	*-73.55*	
		For >500, Deduct	*-108.74*	
26 51 19 00-0085	EA	6,111 Lumens, 51 Watt, 4' Length, 4000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 40K ID1500LMF)	735.49	42.15
		For >50 To 100, Deduct	*-19.97*	
		For >100 To 250, Deduct	*-38.36*	
		For >250 To 500, Deduct	*-73.55*	
		For >500, Deduct	*-108.74*	
26 51 19 00-0086	EA	6,606 Lumens, 50 Watt, 8' Length, 3000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 30K ID800LMF)	1,096.77	49.87
		For >50 To 100, Deduct	*-29.29*	
		For >100 To 250, Deduct	*-56.71*	
		For >250 To 500, Deduct	*-109.68*	
		For >500, Deduct	*-162.64*	
26 51 19 00-0087	EA	6,802 Lumens, 50 Watt, 8' Length, 3500K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 35K ID800LMF)	1,096.77	49.87
		For >50 To 100, Deduct	*-29.29*	
		For >100 To 250, Deduct	*-56.71*	
		For >250 To 500, Deduct	*-109.68*	
		For >500, Deduct	*-162.64*	
26 51 19 00-0088	EA	6,912 Lumens, 50 Watt, 8' Length, 4000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 40K ID800LMF)	1,096.77	49.87
		For >50 To 100, Deduct	*-29.29*	
		For >100 To 250, Deduct	*-56.71*	
		For >250 To 500, Deduct	*-109.68*	
		For >500, Deduct	*-162.64*	
26 51 19 00-0089	EA	8,066 Lumens, 64 Watt, 8' Length, 3000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 30K ID1000LMF)	1,096.77	49.87
		For >50 To 100, Deduct	*-29.29*	
		For >100 To 250, Deduct	*-56.71*	
		For >250 To 500, Deduct	*-109.68*	
		For >500, Deduct	*-162.64*	
26 51 19 00-0090	EA	8,303 Lumens, 64 Watt, 8' Length, 3500K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 35K ID1000LMF)	1,096.77	49.87
		For >50 To 100, Deduct	*-29.29*	
		For >100 To 250, Deduct	*-56.71*	
		For >250 To 500, Deduct	*-109.68*	
		For >500, Deduct	*-162.64*	
26 51 19 00-0091	EA	8,440 Lumens, 64 Watt, 8' Length, 4000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 40K ID1000LMF)	1,096.77	49.87
		For >50 To 100, Deduct	*-29.29*	
		For >100 To 250, Deduct	*-56.71*	
		For >250 To 500, Deduct	*-109.68*	
		For >500, Deduct	*-162.64*	
26 51 19 00-0092	EA	9,686 Lumens, 80 Watt, 8' Length, 3000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 30K ID1300LMF)	1,096.77	49.87
		For >50 To 100, Deduct	*-29.29*	
		For >100 To 250, Deduct	*-56.71*	
		For >250 To 500, Deduct	*-109.68*	
		For >500, Deduct	*-162.64*	
26 51 19 00-0093	EA	9,974 Lumens, 80 Watt, 8' Length, 3500K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 35K ID1300LMF)	1,096.77	49.87
		For >50 To 100, Deduct	*-29.29*	
		For >100 To 250, Deduct	*-56.71*	
		For >250 To 500, Deduct	*-109.68*	
		For >500, Deduct	*-162.64*	
26 51 19 00-0094	EA	10,134 Lumens, 80 Watt, 8' Length, 4000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 40K ID1300LMF)	1,096.77	49.87
		For >50 To 100, Deduct	*-29.29*	
		For >100 To 250, Deduct	*-56.71*	
		For >250 To 500, Deduct	*-109.68*	
		For >500, Deduct	*-162.64*	
26 51 19 00-0095	EA	11,682 Lumens, 102 Watt, 8' Length, 3000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 30K ID1500LMF)	1,096.77	49.87
		For >50 To 100, Deduct	*-29.29*	
		For >100 To 250, Deduct	*-56.71*	
		For >250 To 500, Deduct	*-109.68*	
		For >500, Deduct	*-162.64*	
26 51 19 00-0096	EA	12,030 Lumens, 102 Watt, 8' Length, 3500K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 35K ID1500LMF)	1,096.77	49.87
		For >50 To 100, Deduct	*-29.29*	
		For >100 To 250, Deduct	*-56.71*	
		For >250 To 500, Deduct	*-109.68*	
		For >500, Deduct	*-162.64*	
26 51 19 00-0097	EA	12,222 Lumens, 102 Watt, 8' Length, 4000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 40K ID1500LMF)	1,096.77	49.87
		For >50 To 100, Deduct	*-29.29*	
		For >100 To 250, Deduct	*-56.71*	
		For >250 To 500, Deduct	*-109.68*	
		For >500, Deduct	*-162.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0098		**Suspended Linear LED Fixtures (Lithonia GRD)** *(26 51 19 00-0072)*		
26 51 19 00-0099	EA	24' Length, 8' Sections, 80 CRI, 3,500K, LED Linear Fixture (Lithonia GRD 24FT MSL8 80 CRI 35K ID800LMF 20/80 MIN1 ZT 120 SCT PDT)	1,984.75	190.04
26 51 19 00-0100		**Lay-In/Troffer LED Fixtures** *(26 51 19 00-0001)*		
26 51 19 00-0101		**Prismatic Lensed, Lay-In/Troffer LED Fixtures** *(26 51 19 00-0100)*		
26 51 19 00-0102		**Prismatic Lensed, Lay-In/Troffer LED Fixtures (Lithonia)** *(26 51 19 00-0101)*		
26 51 19 00-0103	EA	1' x 4', 4,300 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia TL4)	612.25	41.81
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*46.45*	
		For >50 To 100, Deduct	*-16.89*	
		For >100 To 250, Deduct	*-32.20*	
		For >250 To 500, Deduct	*-61.23*	
		For >500, Deduct	*-90.25*	
26 51 19 00-0104	EA	2' x 2', 3,300 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia 2TL2)	334.76	46.07
		For Drywall Or Plaster Ceilings, Add	*31.10*	
		For >50 To 100, Deduct	*-10.10*	
		For >100 To 250, Deduct	*-18.47*	
		For >250 To 500, Deduct	*-33.48*	
		For >500, Deduct	*-48.49*	
26 51 19 00-0105	EA	2' x 4', 4,600 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia 2TL4)	617.73	53.67
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*51.04*	
		For >50 To 100, Deduct	*-17.46*	
		For >100 To 250, Deduct	*-32.90*	
		For >250 To 500, Deduct	*-61.77*	
		For >500, Deduct	*-90.64*	
26 51 19 00-0106		**Prismatic Lensed, Lay-In/Troffer LED Fixtures (Lunera)** *(26 51 19 00-0101)*		
26 51 19 00-0107	EA	1' x 4', 3,200 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 14G4)	883.09	41.81
		For >50 To 100, Deduct	*-23.66*	
		For >100 To 250, Deduct	*-45.74*	
		For >250 To 500, Deduct	*-88.31*	
		For >500, Deduct	*-130.88*	
26 51 19 00-0108	EA	2' x 2', 3,200 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 22G5)	620.47	46.07
		For >50 To 100, Deduct	*-17.24*	
		For >100 To 250, Deduct	*-32.75*	
		For >250 To 500, Deduct	*-62.05*	
		For >500, Deduct	*-91.34*	
26 51 19 00-0109	EA	2' x 4', 4,175 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 24G4)	808.58	53.67
		For >50 To 100, Deduct	*-22.23*	
		For >100 To 250, Deduct	*-42.44*	
		For >250 To 500, Deduct	*-80.86*	
		For >500, Deduct	*-119.27*	
26 51 19 00-0110		**Prismatic Lensed, Lay-In/Troffer LED Fixtures (PlanLED)** *(26 51 19 00-0101)*		
26 51 19 00-0111	EA	2,591 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED FTB4E)	408.09	46.07
		For >50 To 100, Deduct	*-11.93*	
		For >100 To 250, Deduct	*-22.13*	
		For >250 To 500, Deduct	*-40.81*	
		For >500, Deduct	*-59.49*	
26 51 19 00-0112	EA	3,883 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED FTB4E)	451.82	46.07
		For >50 To 100, Deduct	*-13.02*	
		For >100 To 250, Deduct	*-24.32*	
		For >250 To 500, Deduct	*-45.18*	
		For >500, Deduct	*-66.05*	
26 51 19 00-0113	EA	3,700 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-40)	384.03	46.07
		For >50 To 100, Deduct	*-11.33*	
		For >100 To 250, Deduct	*-20.93*	
		For >250 To 500, Deduct	*-38.40*	
		For >500, Deduct	*-55.88*	
26 51 19 00-0114	EA	4,200 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-45)	384.03	46.07
		For >50 To 100, Deduct	*-11.33*	
		For >100 To 250, Deduct	*-20.93*	
		For >250 To 500, Deduct	*-38.40*	
		For >500, Deduct	*-55.88*	
26 51 19 00-0115	EA	4,600 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-50)	412.46	46.07
		For >50 To 100, Deduct	*-12.04*	
		For >100 To 250, Deduct	*-22.35*	
		For >250 To 500, Deduct	*-41.25*	
		For >500, Deduct	*-60.14*	
26 51 19 00-0116		**Volumetric, Lay-In/Troffer LED Fixtures** *(26 51 19 00-0100)*		
26 51 19 00-0117		**Volumetric, Lay-In/Troffer LED Fixtures (Lithonia)** *(26 51 19 00-0116)*		
26 51 19 00-0118	EA	1' x 4', 3,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia RTL4)	488.36	41.81
		For Drywall Or Plaster Ceilings, Add	*28.51*	
		For >50 To 100, Deduct	*-13.79*	
		For >100 To 250, Deduct	*-26.00*	
		For >250 To 500, Deduct	*-48.84*	
		For >500, Deduct	*-71.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0119	EA	1' x 4', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia RTL4)	693.64	41.81
		For Drywall Or Plaster Ceilings, Add	*28.51*	
		For >50 To 100, Deduct	*-18.92*	
		For >100 To 250, Deduct	*-36.27*	
		For >250 To 500, Deduct	*-69.36*	
		For >500, Deduct	*-102.46*	
26 51 19 00-0120	EA	2' x 2', 2,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2)	539.37	46.07
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*44.25*	
		For >50 To 100, Deduct	*-15.21*	
		For >100 To 250, Deduct	*-28.70*	
		For >250 To 500, Deduct	*-53.94*	
		For >500, Deduct	*-79.18*	
26 51 19 00-0121	EA	2' x 2', 3,300 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2)	619.37	46.07
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*48.25*	
		For >50 To 100, Deduct	*-17.21*	
		For >100 To 250, Deduct	*-32.70*	
		For >250 To 500, Deduct	*-61.94*	
		For >500, Deduct	*-91.18*	
26 51 19 00-0122	EA	2' x 2', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2)	683.38	46.07
		For >50 To 100, Deduct	*-18.81*	
		For >100 To 250, Deduct	*-35.90*	
		For >250 To 500, Deduct	*-68.34*	
		For >500, Deduct	*-100.78*	
26 51 19 00-0123	EA	2' x 4', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4)	694.90	53.67
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*54.90*	
		For >50 To 100, Deduct	*-19.39*	
		For >100 To 250, Deduct	*-36.76*	
		For >250 To 500, Deduct	*-69.49*	
		For >500, Deduct	*-102.22*	
26 51 19 00-0124	EA	2' x 4', 4,800 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4)	758.90	53.67
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*58.10*	
		For >50 To 100, Deduct	*-20.99*	
		For >100 To 250, Deduct	*-39.96*	
		For >250 To 500, Deduct	*-75.89*	
		For >500, Deduct	*-111.82*	
26 51 19 00-0125	EA	2' x 4', 6,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4)	822.91	53.67
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*61.30*	
		For >50 To 100, Deduct	*-22.59*	
		For >100 To 250, Deduct	*-43.16*	
		For >250 To 500, Deduct	*-82.29*	
		For >500, Deduct	*-121.42*	
26 51 19 00-0126	EA	2' x 2', 2,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL2)	475.38	46.07
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*41.05*	
		For >50 To 100, Deduct	*-13.61*	
		For >100 To 250, Deduct	*-25.50*	
		For >250 To 500, Deduct	*-47.54*	
		For >500, Deduct	*-69.58*	
26 51 19 00-0127	EA	2' x 2', 3,300 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL2)	555.37	46.07
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*45.05*	
		For >50 To 100, Deduct	*-15.61*	
		For >100 To 250, Deduct	*-29.50*	
		For >250 To 500, Deduct	*-55.54*	
		For >500, Deduct	*-81.58*	
26 51 19 00-0128	EA	2' x 2', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL2)	603.37	46.07
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*47.45*	
		For >50 To 100, Deduct	*-16.81*	
		For >100 To 250, Deduct	*-31.90*	
		For >250 To 500, Deduct	*-60.34*	
		For >500, Deduct	*-88.78*	
26 51 19 00-0129	EA	2' x 4', 3,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL4)	598.90	53.67
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*50.10*	
		For >50 To 100, Deduct	*-16.99*	
		For >100 To 250, Deduct	*-31.96*	
		For >250 To 500, Deduct	*-59.89*	
		For >500, Deduct	*-87.82*	
26 51 19 00-0130	EA	2' x 4', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL4)	630.89	53.67
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*51.70*	
		For >50 To 100, Deduct	*-17.79*	
		For >100 To 250, Deduct	*-33.56*	
		For >250 To 500, Deduct	*-63.09*	
		For >500, Deduct	*-92.62*	
26 51 19 00-0131	EA	2' x 4', 4,800 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL4)	694.90	53.67
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*54.90*	
		For >50 To 100, Deduct	*-19.39*	
		For >100 To 250, Deduct	*-36.76*	
		For >250 To 500, Deduct	*-69.49*	
		For >500, Deduct	*-102.22*	

26 51 19 00-0132 Architectural, Lay-In/Troffer LED Fixtures *(26 51 19 00-0100)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0133		**Architectural, Lay-In/Troffer LED Fixtures (Lithonia)** *(26 51 19 00-0132)* Note: Includes 4,000K color temperature, 120/277 voltage and steel housing assembly. Excludes sensors.		
26 51 19 00-0134	EA	2,100 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4)	378.46	53.67
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*39.08*	
		For >50 To 100, Deduct	*-11.48*	
		For >100 To 250, Deduct	*-20.94*	
		For >250 To 500, Deduct	*-37.85*	
		For >500, Deduct	*-54.75*	
26 51 19 00-0135	EA	4,300 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4)	441.80	53.67
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*42.25*	
		For >50 To 100, Deduct	*-13.06*	
		For >100 To 250, Deduct	*-24.11*	
		For >250 To 500, Deduct	*-44.18*	
		For >500, Deduct	*-64.25*	
26 51 19 00-0136	EA	6,400 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4)	498.81	53.67
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*45.10*	
		For >50 To 100, Deduct	*-14.49*	
		For >100 To 250, Deduct	*-26.96*	
		For >250 To 500, Deduct	*-49.88*	
		For >500, Deduct	*-72.81*	
26 51 19 00-0137		**Architectural, Lay-In/Troffer LED Fixtures (CREE® CR Series)** *(26 51 19 00-0132)* Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and 20 gauge steel housing assembly. Excludes sensors.		
26 51 19 00-0138	EA	1' x 4', 2,200 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™)	499.00	53.67
		For Expanded Size Junction Box For Through Wiring, Add	*5.34*	
		For Drywall Or Plaster Ceilings, Add	*153.11*	
		For Surface Mount, Add	*271.71*	
		For >50 To 100, Deduct	*-14.49*	
		For >100 To 250, Deduct	*-26.97*	
		For >250 To 500, Deduct	*-49.90*	
		For >500, Deduct	*-72.83*	
26 51 19 00-0139	EA	1' x 4', 3,100 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™)	539.06	53.67
		For Expanded Size Junction Box For Through Wiring, Add	*5.34*	
		For Drywall Or Plaster Ceilings, Add	*153.11*	
		For Surface Mount, Add	*271.71*	
		For >50 To 100, Deduct	*-15.49*	
		For >100 To 250, Deduct	*-28.97*	
		For >250 To 500, Deduct	*-53.91*	
		For >500, Deduct	*-78.84*	
26 51 19 00-0140	EA	1' x 4', 4,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™)	539.06	53.67
		For Expanded Size Junction Box For Through Wiring, Add	*5.34*	
		For Drywall Or Plaster Ceilings, Add	*153.11*	
		For Surface Mount, Add	*271.71*	
		For >50 To 100, Deduct	*-15.49*	
		For >100 To 250, Deduct	*-28.97*	
		For >250 To 500, Deduct	*-53.91*	
		For >500, Deduct	*-78.84*	
26 51 19 00-0141	EA	1' x 4', 5,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™)	598.18	53.67
		For Expanded Size Junction Box For Through Wiring, Add	*5.34*	
		For Drywall Or Plaster Ceilings, Add	*153.11*	
		For Surface Mount, Add	*271.71*	
		For >50 To 100, Deduct	*-16.97*	
		For >100 To 250, Deduct	*-31.92*	
		For >250 To 500, Deduct	*-59.82*	
		For >500, Deduct	*-87.71*	
26 51 19 00-0142	EA	2' x 2', 2,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR22™) Note: CCT 30K to 50K	464.82	46.07
		For Expanded Size Junction Box For Through Wiring, Add	*5.34*	
		For Drywall Or Plaster Ceilings, Add	*133.96*	
		For Surface Mount, Add	*256.05*	
		For >50 To 100, Deduct	*-13.35*	
		For >100 To 250, Deduct	*-24.97*	
		For >250 To 500, Deduct	*-46.48*	
		For >500, Deduct	*-68.00*	
26 51 19 00-0143	EA	2' x 2', 3,200 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR22™) Note: CCT 30K to 50K	437.89	46.07
		For Expanded Size Junction Box For Through Wiring, Add	*5.34*	
		For Drywall Or Plaster Ceilings, Add	*133.96*	
		For Surface Mount, Add	*256.05*	
		For >50 To 100, Deduct	*-12.68*	
		For >100 To 250, Deduct	*-23.62*	
		For >250 To 500, Deduct	*-43.79*	
		For >500, Deduct	*-63.96*	
26 51 19 00-0144	EA	2' x 4', 2,200 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™) Note: CCT 30K to 50K	521.22	53.67
		For Expanded Size Junction Box For Through Wiring, Add	*5.34*	
		For Drywall Or Plaster Ceilings, Add	*156.92*	
		For Surface Mount, Add	*296.51*	
		For >50 To 100, Deduct	*-15.05*	
		For >100 To 250, Deduct	*-28.08*	
		For >250 To 500, Deduct	*-52.12*	
		For >500, Deduct	*-76.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0145	EA	2' x 4', 3,100 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™) Note: CCT 30K to 50K	539.06	53.67
		For Expanded Size Junction Box For Through Wiring, Add	*5.34*	
		For Drywall Or Plaster Ceilings, Add	*156.92*	
		For Surface Mount, Add	*296.51*	
		For >50 To 100, Deduct	*-15.49*	
		For >100 To 250, Deduct	*-28.97*	
		For >250 To 500, Deduct	*-53.91*	
		For >500, Deduct	*-78.84*	
26 51 19 00-0146	EA	2' x 4', 4,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™) Note: CCT 30K to 50K	539.06	53.67
		For Expanded Size Junction Box For Through Wiring, Add	*5.34*	
		For Drywall Or Plaster Ceilings, Add	*156.92*	
		For Surface Mount, Add	*296.51*	
		For >50 To 100, Deduct	*-15.49*	
		For >100 To 250, Deduct	*-28.97*	
		For >250 To 500, Deduct	*-53.91*	
		For >500, Deduct	*-78.84*	
26 51 19 00-0147	EA	2' x 4', 4,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24 LHE™) Note: CCT 30K to 50K	689.73	53.67
		For Expanded Size Junction Box For Through Wiring, Add	*5.34*	
		For Drywall Or Plaster Ceilings, Add	*156.92*	
		For Surface Mount, Add	*296.51*	
		For >50 To 100, Deduct	*-19.26*	
		For >100 To 250, Deduct	*-36.50*	
		For >250 To 500, Deduct	*-68.97*	
		For >500, Deduct	*-101.44*	
26 51 19 00-0148	EA	2' x 4', 5,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™) Note: CCT 30K to 50K	598.18	53.67
		For Expanded Size Junction Box For Through Wiring, Add	*5.34*	
		For Drywall Or Plaster Ceilings, Add	*156.92*	
		For Surface Mount, Add	*296.51*	
		For >50 To 100, Deduct	*-16.97*	
		For >100 To 250, Deduct	*-31.92*	
		For >250 To 500, Deduct	*-59.82*	
		For >500, Deduct	*-87.71*	

26 51 19 00-0149 Architectural, Lay-In/Troffer LED Fixtures (CREE® ZR Series) *(26 51 19 00-0132)*

Note: Includes 3,500 or 4,000K color temperature, 120/277 voltage and 22 gauge steel housing assembly. Excludes sensors.

26 51 19 00-0150	EA	1' x 4', 4,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® ZR14-40L-35K-10V)	325.23	54.13
		For Drywall Or Plaster Ceilings, Add	*153.11*	
		For >50 To 100, Deduct	*-10.15*	
		For >100 To 250, Deduct	*-18.28*	
		For >250 To 500, Deduct	*-32.52*	
		For >500, Deduct	*-46.77*	
		For Surface Mount, Add	*206.86*	
26 51 19 00-0151	EA	2' x 2', 3,200 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® ZR22-40L-35K-10V)	291.26	46.07
		For Drywall Or Plaster Ceilings, Add	*133.96*	
		For >50 To 100, Deduct	*-9.01*	
		For >100 To 250, Deduct	*-16.29*	
		For >250 To 500, Deduct	*-29.13*	
		For >500, Deduct	*-41.96*	
		For Surface Mount, Add	*193.34*	
26 51 19 00-0152	EA	2' x 2', 3,200 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® ZR22-32LHE-35K-10V)	964.43	46.07
		For Drywall Or Plaster Ceilings, Add	*133.96*	
		For >50 To 100, Deduct	*-25.84*	
		For >100 To 250, Deduct	*-49.95*	
		For >250 To 500, Deduct	*-96.44*	
		For >500, Deduct	*-142.94*	
		For Surface Mount, Add	*193.34*	
26 51 19 00-0153	EA	2' x 4', 4,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® ZR24-40L-35K-10V)	336.44	54.13
		For Drywall Or Plaster Ceilings, Add	*156.92*	
		For >50 To 100, Deduct	*-10.43*	
		For >100 To 250, Deduct	*-18.84*	
		For >250 To 500, Deduct	*-33.64*	
		For >500, Deduct	*-48.45*	
		For Surface Mount, Add	*229.29*	
26 51 19 00-0154	EA	2' x 4', 4,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® ZR24-32LHE-35K-10V)	1,200.34	54.13
		For Drywall Or Plaster Ceilings, Add	*156.92*	
		For >50 To 100, Deduct	*-32.02*	
		For >100 To 250, Deduct	*-62.03*	
		For >250 To 500, Deduct	*-120.03*	
		For >500, Deduct	*-178.04*	
		For Surface Mount, Add	*229.29*	
26 51 19 00-0155	EA	2' x 4', 5,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® ZR24-50L-40K-10V-FD)	361.12	54.13
		For Drywall Or Plaster Ceilings, Add	*156.92*	
		For >50 To 100, Deduct	*-11.04*	
		For >100 To 250, Deduct	*-20.07*	
		For >250 To 500, Deduct	*-36.11*	
		For >500, Deduct	*-52.15*	
		For Surface Mount, Add	*229.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0156	EA	1' x 4', 4,000 Lumens, Smartcast Technology, Architectural, Lay-In/Troffer LED Fixture (Cree® ZR14-40L-35K-CMA)	414.97	54.13
		For Drywall Or Plaster Ceilings, Add	*153.11*	
		For >50 To 100, Deduct	*-12.39*	
		For >100 To 250, Deduct	*-22.76*	
		For >250 To 500, Deduct	*-41.50*	
		For >500, Deduct	*-60.23*	
		For Surface Mount, Add	*206.86*	
26 51 19 00-0157	EA	2' x 2', 4,000 Lumens, Smartcast Technology, Architectural, Lay-In/Troffer LED Fixture (Cree® ZR22-32L-35K-CMA)	381.01	46.07
		For Drywall Or Plaster Ceilings, Add	*133.96*	
		For >50 To 100, Deduct	*-11.25*	
		For >100 To 250, Deduct	*-20.78*	
		For >250 To 500, Deduct	*-38.10*	
		For >500, Deduct	*-55.42*	
		For Surface Mount, Add	*193.34*	
26 51 19 00-0158	EA	2' x 4', 4,000 Lumens, Smartcast Technology, Architectural, Lay-In/Troffer LED Fixture (Cree® ZR24-40L-35K-CMA)	426.20	54.13
		For Drywall Or Plaster Ceilings, Add	*156.92*	
		For >50 To 100, Deduct	*-12.67*	
		For >100 To 250, Deduct	*-23.33*	
		For >250 To 500, Deduct	*-42.62*	
		For >500, Deduct	*-61.91*	
		For Surface Mount, Add	*229.29*	

26 51 19 00-0159 Architectural, Lay-In/Troffer LED Fixtures (Metalux®) *(26 51 19 00-0132)*

Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and code gauge steel housing assembly. Excludes sensors.

26 51 19 00-0160	EA	2' x 2', 2,500 Lumens, Architectural, Lay-In/Troffer LED Fixture (Metalux® Accord™ 2AC)	272.05	46.07
		For >50 To 100, Deduct	*-8.53*	
		For >100 To 250, Deduct	*-15.33*	
		For >250 To 500, Deduct	*-27.21*	
		For >500, Deduct	*-39.08*	
26 51 19 00-0161	EA	2' x 4', 4,700 Lumens, Architectural, Lay-In/Troffer LED Fixture (Metalux® Accord™ 2AC)	360.14	53.67
		For >50 To 100, Deduct	*-11.02*	
		For >100 To 250, Deduct	*-20.02*	
		For >250 To 500, Deduct	*-36.01*	
		For >500, Deduct	*-52.01*	

26 51 19 00-0162 Architectural, Lay-In/Troffer LED Fixtures (Orion) *(26 51 19 00-0132)*

Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and code gauge steel housing assembly. Excludes sensors.

26 51 19 00-0163	EA	2' x 2', 3,500 Lumens, Architectural, Lay-In/Troffer LED Fixture (Orion OLRL-035L-L-UNV-FDX-840-22-1P-CT-M-LF)	335.09	46.07
		For >50 To 100, Deduct	*-10.11*	
		For >100 To 250, Deduct	*-18.48*	
		For >250 To 500, Deduct	*-33.51*	
		For >500, Deduct	*-48.54*	
26 51 19 00-0164	EA	2' x 2', 4,100 Lumens, Architectural, Lay-In/Troffer LED Fixture (Orion OLRL-041L-L-UNV-FDX-840-22-1P-CT-M-LF)	347.29	46.07
		For >50 To 100, Deduct	*-10.41*	
		For >100 To 250, Deduct	*-19.09*	
		For >250 To 500, Deduct	*-34.73*	
		For >500, Deduct	*-50.37*	
26 51 19 00-0165	EA	2' x 4', 3,500 Lumens, Architectural, Lay-In/Troffer LED Fixture (Orion OLRL-035L-L-UNV-FDX-840-24-1P-CT-M-LF)	362.46	54.13
		For >50 To 100, Deduct	*-11.08*	
		For >100 To 250, Deduct	*-20.14*	
		For >250 To 500, Deduct	*-36.25*	
		For >500, Deduct	*-52.35*	
26 51 19 00-0166	EA	2' x 4', 4,100 Lumens, Architectural, Lay-In/Troffer LED Fixture (Orion OLRL-041L-L-UNV-FDX-840-24-1P-CT-M-LF)	374.66	54.13
		For >50 To 100, Deduct	*-11.38*	
		For >100 To 250, Deduct	*-20.75*	
		For >250 To 500, Deduct	*-37.47*	
		For >500, Deduct	*-54.18*	

26 51 19 00-0167 Architectural, Lay-In/Troffer LED Fixtures (Everlast) *(26 51 19 00-0132)*

Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and code gauge steel housing assembly. Excludes sensors.

26 51 19 00-0168	EA	2' x 2', 4,200 Lumens, Architectural, Lay-In/Troffer LED Fixture (Everlast EL-LED-MQ)	447.45	46.07
		For >50 To 100, Deduct	*-12.91*	
		For >100 To 250, Deduct	*-24.10*	
		For >250 To 500, Deduct	*-44.75*	
		For >500, Deduct	*-65.39*	
26 51 19 00-0169	EA	2' x 4', 10,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Everlast EL-LED-MQ)	747.65	54.13
		For >50 To 100, Deduct	*-20.71*	
		For >100 To 250, Deduct	*-39.40*	
		For >250 To 500, Deduct	*-74.77*	
		For >500, Deduct	*-110.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0170		**Architectural, Lay-In/Troffer LED Fixtures (Finelite)** *(26 51 19 00-0132)* Note: Includes 3,000K color temperature, 120/277 voltage and 20 gauge steel housing assembly. Excludes sensors.		
26 51 19 00-0171	EA	2' x 2', 4,301 Lumens, Architectural, Lay-In/Troffer LED Fixture (Finelite HPR LED A 2x2)	408.68	46.07
		For >50 To 100, Deduct	*-11.94*	
		For >100 To 250, Deduct	*-22.16*	
		For >250 To 500, Deduct	*-40.87*	
		For >500, Deduct	*-59.57*	
26 51 19 00-0172	EA	2' x 4', 4,671 Lumens, Architectural, Lay-In/Troffer LED Fixture (Finelite HPR LED A 2x2)	554.39	54.13
		For >50 To 100, Deduct	*-15.88*	
		For >100 To 250, Deduct	*-29.74*	
		For >250 To 500, Deduct	*-55.44*	
		For >500, Deduct	*-81.14*	
26 51 19 00-0173		**Shadow Box Style, Lay-In/Troffer LED Fixtures** *(26 51 19 00-0100)*		
26 51 19 00-0174		**Shadow Box Style, Lay-In/Troffer LED Fixtures (Lithonia SBSL)** *(26 51 19 00-0173)*		
26 51 19 00-0175	EA	2' x 2', 3,300 Lumens, Shadow Box Style, Lay-In/Troffer LED Fixture (Lithonia 2SBSL2)	650.32	46.07
		For Drywall Or Plaster Ceilings, Add	*31.10*	
		For >50 To 100, Deduct	*-17.99*	
		For >100 To 250, Deduct	*-34.24*	
		For >250 To 500, Deduct	*-65.03*	
		For >500, Deduct	*-95.82*	
26 51 19 00-0176	EA	2' x 4', 4,600 Lumens, Shadow Box Style, Lay-In/Troffer LED Fixture (Lithonia 2SBSL4)	887.61	53.67
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*64.54*	
		For >50 To 100, Deduct	*-24.21*	
		For >100 To 250, Deduct	*-46.40*	
		For >250 To 500, Deduct	*-88.76*	
		For >500, Deduct	*-131.13*	
26 51 19 00-0177		**Panel Type, Lay-In/Troffer LED Fixtures** *(26 51 19 00-0100)*		
26 51 19 00-0178		**Panel Type, Lay-In/Troffer LED Fixtures (CREE® FP Series)** *(26 51 19 00-0177)*		
26 51 19 00-0179	EA	4,000 Lumens, 1' x 4', Panel Type, Lay-In/Troffer LED Fixture (Cree® FP14-40L-35K-10V)	355.28	54.13
		For >50 To 100, Deduct	*-10.90*	
		For >100 To 250, Deduct	*-19.78*	
		For >250 To 500, Deduct	*-35.53*	
		For >500, Deduct	*-51.28*	
26 51 19 00-0180	EA	4,000 Lumens, 1' x 4', Panel Type, Lay-In/Troffer LED Fixture, 1,400 Lumens Emergency Backup (Cree® FP14-40L-35K-10V-EB14)	919.85	54.13
		For >50 To 100, Deduct	*-25.01*	
		For >100 To 250, Deduct	*-48.01*	
		For >250 To 500, Deduct	*-91.99*	
		For >500, Deduct	*-135.96*	
26 51 19 00-0181	EA	3,400 Lumens, 2' x 2', Panel Type, Lay-In/Troffer LED Fixture (Cree® FP22-34L-35K-10V)	269.38	46.07
		For >50 To 100, Deduct	*-8.46*	
		For >100 To 250, Deduct	*-15.20*	
		For >250 To 500, Deduct	*-26.94*	
		For >500, Deduct	*-38.68*	
26 51 19 00-0182	EA	5,000 Lumens, 2' x 2', Panel Type, Lay-In/Troffer LED Fixture (Cree® FP22-50L-35K-10V)	311.34	46.07
		For >50 To 100, Deduct	*-9.51*	
		For >100 To 250, Deduct	*-17.29*	
		For >250 To 500, Deduct	*-31.13*	
		For >500, Deduct	*-44.97*	
26 51 19 00-0183	EA	3,400 Lumens, 2' x 2', Panel Type, Lay-In/Troffer LED Fixture, 1,400 Lumens Emergency Backup (Cree® FP22-34L-35K-10V-EB14)	841.31	54.13
		For >50 To 100, Deduct	*-23.05*	
		For >100 To 250, Deduct	*-44.08*	
		For >250 To 500, Deduct	*-84.13*	
		For >500, Deduct	*-124.18*	
26 51 19 00-0184	EA	5,000 Lumens, 2' x 2', Panel Type, Lay-In/Troffer LED Fixture, 1,400 Lumens Emergency Backup (Cree® FP22-50L-35K-10V-EB14)	886.19	54.13
		For >50 To 100, Deduct	*-24.17*	
		For >100 To 250, Deduct	*-46.33*	
		For >250 To 500, Deduct	*-88.62*	
		For >500, Deduct	*-130.91*	
26 51 19 00-0185	EA	4,000 Lumens, 2' x 4', Panel Type, Lay-In/Troffer LED Fixture (Cree® FP24-40L-35K-10V)	376.27	54.13
		For >50 To 100, Deduct	*-11.42*	
		For >100 To 250, Deduct	*-20.83*	
		For >250 To 500, Deduct	*-37.63*	
		For >500, Deduct	*-54.42*	
26 51 19 00-0186	EA	5,000 Lumens, 2' x 4', Panel Type, Lay-In/Troffer LED Fixture (Cree® FP24-50L-35K-10V)	410.60	54.13
		For >50 To 100, Deduct	*-12.28*	
		For >100 To 250, Deduct	*-22.55*	
		For >250 To 500, Deduct	*-41.06*	
		For >500, Deduct	*-59.57*	
26 51 19 00-0187	EA	4,000 Lumens, 2' x 4', Panel Type, Lay-In/Troffer LED Fixture, 1,400 Lumens Emergency Backup (Cree® FP24-40L-35K-10V-EB14)	942.28	54.13
		For >50 To 100, Deduct	*-25.57*	
		For >100 To 250, Deduct	*-49.13*	
		For >250 To 500, Deduct	*-94.23*	
		For >500, Deduct	*-139.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0188	EA	5,000 Lumens, 2' x 4', Panel Type, Lay-In/Troffer LED Fixture, 1,400 Lumens Emergency Backup (Cree® FP24-50L-35K-10V-EB14)	978.20	54.13
		For >50 To 100, Deduct	*-26.47*	
		For >100 To 250, Deduct	*-50.93*	
		For >250 To 500, Deduct	*-97.82*	
		For >500, Deduct	*-144.71*	

26 51 19 00-0189 Panel Type, Lay-In/Troffer LED Fixtures (Lithonia) *(26 51 19 00-0177)*

26 51 19 00-0190	EA	2' x 4', 4000/5000/6000 Lumens, 3500K CCT, LED Switchable Flat Panel Troffer (Lithonia Lighting CPANL 2X4 40/50/60LM 35K M2)	274.77	53.67
		For >50 To 100, Deduct	*-8.89*	
		For >100 To 250, Deduct	*-15.75*	
		For >250 To 500, Deduct	*-27.48*	
		For >500, Deduct	*-39.20*	
26 51 19 00-0191	EA	2' x 4', 4000/5000/6000 Lumens, 4000K CCT, LED Switchable Flat Panel Troffer (Lithonia Lighting CPANL 2X4 40/50/60LM 40K M2)	274.77	53.67
		For >50 To 100, Deduct	*-8.89*	
		For >100 To 250, Deduct	*-15.75*	
		For >250 To 500, Deduct	*-27.48*	
		For >500, Deduct	*-39.20*	
26 51 19 00-0192	EA	2' x 2', 2400/3300/4000/Lumens, 3500K CCT, LED Switchable Flat Panel Troffer (Lithonia Lighting CPANL 2X2 24/33/44LM 35K M4)	221.74	53.67
		For >50 To 100, Deduct	*-7.56*	
		For >100 To 250, Deduct	*-13.10*	
		For >250 To 500, Deduct	*-22.17*	
		For >500, Deduct	*-31.25*	
26 51 19 00-0193	EA	2' x 2', 2400/3300/4000/Lumens, 4000K CCT, LED Switchable Flat Panel Troffer (Lithonia Lighting CPANL 2X2 24/33/44LM 40K M4)	221.74	53.67
		For >50 To 100, Deduct	*-7.56*	
		For >100 To 250, Deduct	*-13.10*	
		For >250 To 500, Deduct	*-22.17*	
		For >500, Deduct	*-31.25*	
26 51 19 00-0194	EA	1' x 4', 2400/3300/4000/Lumens, 3500K CCT, LED Switchable Flat Panel Troffer (Lithonia Lighting CPANL 1X4 24/33/44LM 35K M4)	244.98	53.67
		For >50 To 100, Deduct	*-8.14*	
		For >100 To 250, Deduct	*-14.26*	
		For >250 To 500, Deduct	*-24.50*	
		For >500, Deduct	*-34.73*	
26 51 19 00-0195	EA	1' x 4', 2400/3300/4000/Lumens, 4000K CCT, LED Switchable Flat Panel Troffer (Lithonia Lighting CPANL 1X4 24/33/44LM 40K M4)	244.98	53.67
		For >50 To 100, Deduct	*-8.14*	
		For >100 To 250, Deduct	*-14.26*	
		For >250 To 500, Deduct	*-24.50*	
		For >500, Deduct	*-34.73*	

26 51 19 00-0196 Panel Type, Lay-In/Troffer LED Fixtures (PlanLED Galaxy) *(26 51 19 00-0177)*

26 51 19 00-0197	EA	1' x 4', 3,100 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL140-34)	443.17	53.67
		For >50 To 100, Deduct	*-13.10*	
		For >100 To 250, Deduct	*-24.17*	
		For >250 To 500, Deduct	*-44.32*	
		For >500, Deduct	*-64.46*	
26 51 19 00-0198	EA	2' x 2', 3,100 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL220-34)	460.53	53.67
		For >50 To 100, Deduct	*-13.53*	
		For >100 To 250, Deduct	*-25.04*	
		For >250 To 500, Deduct	*-46.05*	
		For >500, Deduct	*-67.06*	
26 51 19 00-0199	EA	2' x 4', 4,000 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL240-40)	575.59	53.67
		For >50 To 100, Deduct	*-16.41*	
		For >100 To 250, Deduct	*-30.80*	
		For >250 To 500, Deduct	*-57.56*	
		For >500, Deduct	*-84.32*	
26 51 19 00-0200	EA	2' x 4', 5,000 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL240-52)	575.59	53.67
		For >50 To 100, Deduct	*-16.41*	
		For >100 To 250, Deduct	*-30.80*	
		For >250 To 500, Deduct	*-57.56*	
		For >500, Deduct	*-84.32*	

26 51 19 00-0201 Panel Type, Lay-In/Troffer LED Fixtures (Sylvania) *(26 51 19 00-0177)*

26 51 19 00-0202	EA	1' x 4', 3,300 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/14G/WH)	233.21	53.67
		For Surface Mounting Kit (Sylvania SMKIT1A/14A/WH), Add	*57.00*	
		For >50 To 100, Deduct	*-7.85*	
		For >100 To 250, Deduct	*-13.68*	
		For >250 To 500, Deduct	*-23.32*	
		For >500, Deduct	*-32.97*	
26 51 19 00-0203	EA	2' x 2', 3,500 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/22G/WH)	240.65	53.67
		For >50 To 100, Deduct	*-8.03*	
		For >100 To 250, Deduct	*-14.05*	
		For >250 To 500, Deduct	*-24.07*	
		For >500, Deduct	*-34.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0204	EA	2' x 4', 3,300 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/24G/WH)	244.05	53.67
		For Surface Mounting Kit (Sylvania SMKIT1A/24A/WH)	*71.25*	
		For >50 To 100, Deduct	*-8.12*	
		For >100 To 250, Deduct	*-14.22*	
		For >250 To 500, Deduct	*-24.41*	
		For >500, Deduct	*-34.59*	
26 51 19 00-0205	EA	2' x 4', 3,300 Lumens, 32 Watt, 3500K CCT, LED Edge Lite Panel With Kit (Sylvania PANELF1A/032UNVD835/24G/WH_SMKIT1A/24A/WH)	565.14	53.67
		For >50 To 100, Deduct	*-16.14*	
		For >100 To 250, Deduct	*-30.27*	
		For >250 To 500, Deduct	*-56.51*	
		For >500, Deduct	*-82.76*	

26 51 19 00-0206 Surface Mount LED Fixtures *(26 51 19 00-0001)*

26 51 19 00-0207 Surface Mount, Volumetric LED Fixtures (Lithonia STL) *(26 51 19 00-0206)*

26 51 19 00-0208	EA	2' Length, 2,200 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL2)	330.66	34.55
		For >50 To 100, Deduct	*-9.56*	
		For >100 To 250, Deduct	*-17.83*	
		For >250 To 500, Deduct	*-33.07*	
		For >500, Deduct	*-48.30*	
26 51 19 00-0209	EA	4' Length, 3,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL4)	283.65	42.15
		For >50 To 100, Deduct	*-8.67*	
		For >100 To 250, Deduct	*-15.77*	
		For >250 To 500, Deduct	*-28.37*	
		For >500, Deduct	*-40.96*	
26 51 19 00-0210	EA	4' Length, 4,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL4)	335.52	42.15
		For >50 To 100, Deduct	*-9.97*	
		For >100 To 250, Deduct	*-18.36*	
		For >250 To 500, Deduct	*-33.55*	
		For >500, Deduct	*-48.74*	

26 51 19 00-0211 Surface Mount, Wraparound LED Fixtures (Lithonia LBL) *(26 51 19 00-0206)*

26 51 19 00-0212	EA	2' Length, 2,000 Lumens, Surface Mount, Wraparound LED Fixture (Lithonia LBL2)	281.23	34.55
		For >50 To 100, Deduct	*-8.33*	
		For >100 To 250, Deduct	*-15.36*	
		For >250 To 500, Deduct	*-28.12*	
		For >500, Deduct	*-40.89*	
26 51 19 00-0213	EA	4' Length, 4,000 Lumens, Surface Mount, Wraparound LED Fixture (Lithonia LBL4)	369.64	42.15
		For >50 To 100, Deduct	*-10.82*	
		For >100 To 250, Deduct	*-20.07*	
		For >250 To 500, Deduct	*-36.96*	
		For >500, Deduct	*-53.86*	

26 51 19 00-0214 Surface Mount, Shadow Box Style LED Fixtures *(26 51 19 00-0206)*

26 51 19 00-0215 Surface Mount, Shadow Box Style LED Fixtures (Lithonia SBSLX) *(26 51 19 00-0214)*

26 51 19 00-0216	EA	2' x 2', 3,300 Lumens, Surface Mount, Shadow Box Style LED Fixture (Lithonia 2SBSLX2)	834.84	46.07
		For >50 To 100, Deduct	*-22.60*	
		For >100 To 250, Deduct	*-43.47*	
		For >250 To 500, Deduct	*-83.48*	
		For >500, Deduct	*-123.50*	
26 51 19 00-0217	EA	2' x 4', 4,600 Lumens, Surface Mount, Shadow Box Style LED Fixture (Lithonia 2SBSLX4)	1,072.13	53.67
		For >50 To 100, Deduct	*-28.82*	
		For >100 To 250, Deduct	*-55.62*	
		For >250 To 500, Deduct	*-107.21*	
		For >500, Deduct	*-158.80*	

26 51 19 00-0218 Surface Mount, Low Profile Fixtures *(26 51 19 00-0206)*

26 51 19 00-0219	EA	6" Diameter, 993 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 8538-90)	110.19	31.57
		For >50 To 100, Deduct	*-4.33*	
		For >100 To 250, Deduct	*-7.09*	
		For >250 To 500, Deduct	*-11.02*	
		For >500, Deduct	*-14.95*	
26 51 19 00-0220	EA	6" Diameter, 1,215 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 8569)	89.76	31.57
		For >50 To 100, Deduct	*-3.82*	
		For >100 To 250, Deduct	*-6.07*	
		For >250 To 500, Deduct	*-8.98*	
		For >500, Deduct	*-11.89*	
26 51 19 00-0221	EA	13" Diameter, 1,400 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 4329)	153.08	31.57
		For >50 To 100, Deduct	*-5.41*	
		For >100 To 250, Deduct	*-9.23*	
		For >250 To 500, Deduct	*-15.31*	
		For >500, Deduct	*-21.38*	
26 51 19 00-0222	EA	15" Diameter, 2,100 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting 4330)	185.77	31.57
		For >50 To 100, Deduct	*-6.22*	
		For >100 To 250, Deduct	*-10.87*	
		For >250 To 500, Deduct	*-18.58*	
		For >500, Deduct	*-26.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0223		**Surface Mount, LED Disc Light Fixtures** *(26 51 19 00-0206)*		
26 51 19 00-0224	EA	Surface Frame Octagonal Junction Box, EM Driver, 1-10V Dimming, 1,500 Lumens (DMF DRDH-N-JO-150SEMS)	88.98	31.57
		For >50 To 100, Deduct	*-3.80*	
		For >100 To 250, Deduct	*-6.03*	
		For >250 To 500, Deduct	*-8.90*	
		For >500, Deduct	*-11.77*	
26 51 19 00-0225	EA	8" Round, 1,500 Lumens, 17 Watt, 3500K, 120 Volt, 0-10V Dimming, Surface Mounted Disc Light Fixture (DMF DRD5S-8-R-15-9-35-O)	165.37	31.57
		For >50 To 100, Deduct	*-5.71*	
		For >100 To 250, Deduct	*-9.85*	
		For >250 To 500, Deduct	*-16.54*	
		For >500, Deduct	*-23.23*	
26 51 19 00-0226	EA	8" Round, 1,500 Lumens, 17 Watt, 3500K, 120 Volt, 0-10V Dimming, Surface Mounted Disc Light Fixture With Emergency Battery (DMF DRD5S-8-R-15-9-35-O-A-EM)	201.15	31.57
		For >50 To 100, Deduct	*-6.61*	
		For >100 To 250, Deduct	*-11.64*	
		For >250 To 500, Deduct	*-20.12*	
		For >500, Deduct	*-28.59*	
26 51 19 00-0227		**Recessed LED Downlights** *(26 51 19 00-0001)*		
26 51 19 00-0228		**Recessed LED Downlights** *(26 51 19 00-0227)*		
26 51 19 00-0229		**Recessed LED Downlights (Lithonia)** *(26 51 19 00-0228)* Note: Includes housing and trim.		
26 51 19 00-0230	EA	8" Diameter, 1,200 Lumens, Recessed LED Downlight With Open Trim (Lithonia DOM8 LED)	378.51	55.47
		For Dimming Driver And Sensor Switch nLight Dimming Relay, Add	*77.98*	
		For >50 To 100, Deduct	*-11.54*	
		For >100 To 250, Deduct	*-21.01*	
		For >250 To 500, Deduct	*-37.85*	
		For >500, Deduct	*-54.70*	
26 51 19 00-0231	EA	8" Diameter, 1,500 Lumens, Recessed LED Downlight With Open Trim (Lithonia DOM8 LED)	410.18	55.47
		For Dimming Driver And Sensor Switch nLight Dimming Relay, Add	*77.98*	
		For >50 To 100, Deduct	*-12.33*	
		For >100 To 250, Deduct	*-22.59*	
		For >250 To 500, Deduct	*-41.02*	
		For >500, Deduct	*-59.45*	
26 51 19 00-0232		**Recessed LED Downlights (Portfolio®)** *(26 51 19 00-0228)* Note: Includes housing and trim.		
26 51 19 00-0233	EA	4" Diameter, 1,300 Lumens, Recessed LED Downlight With Open Trim (Portfolio® LD413)	243.80	55.47
		For >50 To 100, Deduct	*-8.18*	
		For >100 To 250, Deduct	*-14.27*	
		For >250 To 500, Deduct	*-24.38*	
		For >500, Deduct	*-34.49*	
26 51 19 00-0234		**Recessed LED Downlights (Gotham® EVO®)** *(26 51 19 00-0228)* Note: Includes housing and trim.		
26 51 19 00-0235	EA	6" Diameter, 1,800 Lumens, Recessed LED Downlight With Open Trim (Gotham® EVO® ALED)	302.39	55.47
		For >50 To 100, Deduct	*-9.64*	
		For >100 To 250, Deduct	*-17.20*	
		For >250 To 500, Deduct	*-30.24*	
		For >500, Deduct	*-43.28*	
26 51 19 00-0236	EA	6" Diameter, 1,800 Lumens, Recessed LED Shower Downlight With Non-Conductive Regressed Lens (Gotham® EVO® ALED)	311.70	55.47
		For >50 To 100, Deduct	*-9.87*	
		For >100 To 250, Deduct	*-17.67*	
		For >250 To 500, Deduct	*-31.17*	
		For >500, Deduct	*-44.67*	
26 51 19 00-0237	EA	6" Diameter, 1,800 Lumens, Recessed LED Wallwash Downlight With Specular Reflector Trim (Gotham® EVO® DLWLED)	349.89	55.47
		For >50 To 100, Deduct	*-10.83*	
		For >100 To 250, Deduct	*-19.57*	
		For >250 To 500, Deduct	*-34.99*	
		For >500, Deduct	*-50.40*	
26 51 19 00-0238	EA	6" Diameter, 1,800 Lumens, Decorative Recessed LED Downlight With Glass Drop Luminous Ring (Gotham® EVO® ALED)	353.62	55.47
		For >50 To 100, Deduct	*-10.92*	
		For >100 To 250, Deduct	*-19.76*	
		For >250 To 500, Deduct	*-35.36*	
		For >500, Deduct	*-50.96*	
26 51 19 00-0239	EA	6" Diameter, 1,800 Lumens, Vandal Resistant, Recessed LED Downlight With Tempered Prismatic Lens (Gotham® EVO® VRALED)	386.21	55.47
		For >50 To 100, Deduct	*-11.74*	
		For >100 To 250, Deduct	*-21.39*	
		For >250 To 500, Deduct	*-38.62*	
		For >500, Deduct	*-55.85*	
26 51 19 00-0240		**Recessed LED Downlights (Lightolier)** *(26 51 19 00-0228)* Note: Includes housing and trim.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0241	EA	4" Diameter, 500 Lumens, Recessed LED Downlight With Open Trim (Lightolier C4L05DL)	623.79	55.47
		For >50 To 100, Deduct	*-17.68*	
		For >100 To 250, Deduct	*-33.27*	
		For >250 To 500, Deduct	*-62.38*	
		For >500, Deduct	*-91.49*	
26 51 19 00-0242	EA	4" Diameter, 1,000 Lumens, Recessed LED Downlight With Open Trim (Lightolier C4L10DL)	732.18	55.47
		For >50 To 100, Deduct	*-20.38*	
		For >100 To 250, Deduct	*-38.69*	
		For >250 To 500, Deduct	*-73.22*	
		For >500, Deduct	*-107.75*	
26 51 19 00-0243	EA	6" Diameter, 1,500 Lumens, Recessed LED Downlight With Open Trim (Lightolier C6L1520DL)	786.26	55.47
		For >50 To 100, Deduct	*-21.74*	
		For >100 To 250, Deduct	*-41.39*	
		For >250 To 500, Deduct	*-78.63*	
		For >500, Deduct	*-115.86*	
26 51 19 00-0244	EA	6" Diameter, 2,000 Lumens, Recessed LED Downlight With Open Trim (Lightolier C6L1520DL)	786.26	55.47
		For >50 To 100, Deduct	*-21.74*	
		For >100 To 250, Deduct	*-41.39*	
		For >250 To 500, Deduct	*-78.63*	
		For >500, Deduct	*-115.86*	
26 51 19 00-0245	EA	7" Diameter, 1,500 Lumens, Recessed LED Downlight With Open Trim (Lightolier C7L1520DL)	813.42	55.47
		For >50 To 100, Deduct	*-22.42*	
		For >100 To 250, Deduct	*-42.75*	
		For >250 To 500, Deduct	*-81.34*	
		For >500, Deduct	*-119.93*	
26 51 19 00-0246	EA	7" Diameter, 2,000 Lumens, Recessed LED Downlight With Open Trim (Lightolier C7L1520DL)	840.60	55.47
		For >50 To 100, Deduct	*-23.10*	
		For >100 To 250, Deduct	*-44.11*	
		For >250 To 500, Deduct	*-84.06*	
		For >500, Deduct	*-124.01*	

26 51 19 00-0247 Recessed LED Downlights (Cooper) *(26 51 19 00-0228)*

26 51 19 00-0248	EA	600 Lumens, 2700K CCT, LED Downlight (Cooper Halo ML5606827)	160.62	55.47
		For >50 To 100, Deduct	*-6.10*	
		For >100 To 250, Deduct	*-10.11*	
		For >250 To 500, Deduct	*-16.06*	
		For >500, Deduct	*-22.01*	
26 51 19 00-0249	EA	600 Lumens, 3000K CCT, LED Downlight (Cooper Halo ML5606830)	160.62	55.47
		For >50 To 100, Deduct	*-6.10*	
		For >100 To 250, Deduct	*-10.11*	
		For >250 To 500, Deduct	*-16.06*	
		For >500, Deduct	*-22.01*	
26 51 19 00-0250	EA	600 Lumens, 3500K CCT, LED Downlight (Cooper Halo ML5606835)	160.62	55.47
		For >50 To 100, Deduct	*-6.10*	
		For >100 To 250, Deduct	*-10.11*	
		For >250 To 500, Deduct	*-16.06*	
		For >500, Deduct	*-22.01*	
26 51 19 00-0251	EA	600 Lumens, 4000K CCT, LED Downlight (Cooper Halo ML5606840)	160.62	55.47
		For >50 To 100, Deduct	*-6.10*	
		For >100 To 250, Deduct	*-10.11*	
		For >250 To 500, Deduct	*-16.06*	
		For >500, Deduct	*-22.01*	
26 51 19 00-0252	EA	900 Lumens, 2700K CCT, LED Downlight (Cooper Halo ML5609827)	163.50	55.47
		For >50 To 100, Deduct	*-6.17*	
		For >100 To 250, Deduct	*-10.26*	
		For >250 To 500, Deduct	*-16.35*	
		For >500, Deduct	*-22.44*	
26 51 19 00-0253	EA	900 Lumens, 3000K CCT, LED Downlight (Cooper Halo ML5609830)	163.50	55.47
		For >50 To 100, Deduct	*-6.17*	
		For >100 To 250, Deduct	*-10.26*	
		For >250 To 500, Deduct	*-16.35*	
		For >500, Deduct	*-22.44*	
26 51 19 00-0254	EA	900 Lumens, 3500K CCT, LED Downlight (Cooper Halo ML5609835)	163.50	55.47
		For >50 To 100, Deduct	*-6.17*	
		For >100 To 250, Deduct	*-10.26*	
		For >250 To 500, Deduct	*-16.35*	
		For >500, Deduct	*-22.44*	
26 51 19 00-0255	EA	900 Lumens, 4000K CCT, LED Downlight (Cooper Halo ML5609840)	163.50	55.47
		For >50 To 100, Deduct	*-6.17*	
		For >100 To 250, Deduct	*-10.26*	
		For >250 To 500, Deduct	*-16.35*	
		For >500, Deduct	*-22.44*	
26 51 19 00-0256	EA	1,200 Lumens, 2700K CCT, LED Downlight (Cooper Halo ML5612827)	202.60	55.47
		For >50 To 100, Deduct	*-7.15*	
		For >100 To 250, Deduct	*-12.21*	
		For >250 To 500, Deduct	*-20.26*	
		For >500, Deduct	*-28.31*	
26 51 19 00-0257	EA	1,200 Lumens, 3000K CCT, LED Downlight (Cooper Halo ML5612830)	200.61	55.47
		For >50 To 100, Deduct	*-7.10*	
		For >100 To 250, Deduct	*-12.11*	
		For >250 To 500, Deduct	*-20.06*	
		For >500, Deduct	*-28.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0258	EA	1,200 Lumens, 3500K CCT, LED Downlight (Cooper Halo ML5612835)	200.61	55.47
		For >50 To 100, Deduct	*-7.10*	
		For >100 To 250, Deduct	*-12.11*	
		For >250 To 500, Deduct	*-20.06*	
		For >500, Deduct	*-28.01*	
26 51 19 00-0259	EA	1,200 Lumens, 4000K CCT, LED Downlight (Cooper Halo ML5612840)	200.61	55.47
		For >50 To 100, Deduct	*-7.10*	
		For >100 To 250, Deduct	*-12.11*	
		For >250 To 500, Deduct	*-20.06*	
		For >500, Deduct	*-28.01*	
26 51 19 00-0260	EA	5" LED Trim, Polymer Dead-Front, Shallow White Baffle And Flange (Cooper Halo 591WB)	96.04	17.65
		For >50 To 100, Deduct	*-3.06*	
		For >100 To 250, Deduct	*-5.46*	
		For >250 To 500, Deduct	*-9.60*	
		For >500, Deduct	*-13.74*	
26 51 19 00-0261	EA	5" LED Trim, Specular Reflector And White Flange (Cooper Halo 592SC)	60.26	17.65
		For >50 To 100, Deduct	*-2.17*	
		For >100 To 250, Deduct	*-3.68*	
		For >250 To 500, Deduct	*-6.03*	
		For >500, Deduct	*-8.38*	
26 51 19 00-0262	EA	5" LED Trim, Haze Reflector And White Flange (Cooper Halo 592H)	75.66	17.65
		For >50 To 100, Deduct	*-2.55*	
		For >100 To 250, Deduct	*-4.45*	
		For >250 To 500, Deduct	*-7.57*	
		For >500, Deduct	*-10.69*	
26 51 19 00-0263	EA	5" LED Trim, White Reflector And Flange (Cooper Halo 592W)	63.36	17.65
		For >50 To 100, Deduct	*-2.25*	
		For >100 To 250, Deduct	*-3.83*	
		For >250 To 500, Deduct	*-6.34*	
		For >500, Deduct	*-8.84*	
26 51 19 00-0264	EA	5" LED Trim, White Micro-Step Baffle And Flange (Cooper Halo 593WB)	50.77	17.65
		For >50 To 100, Deduct	*-1.93*	
		For >100 To 250, Deduct	*-3.20*	
		For >250 To 500, Deduct	*-5.08*	
		For >500, Deduct	*-6.95*	
26 51 19 00-0265	EA	5" LED Trim, Black Micro-Step Baffle And White Flange (Cooper Halo 593BB)	62.81	17.65
		For >50 To 100, Deduct	*-2.23*	
		For >100 To 250, Deduct	*-3.80*	
		For >250 To 500, Deduct	*-6.28*	
		For >500, Deduct	*-8.76*	
26 51 19 00-0266	EA	5" LED Trim, Satin Nickel Micro-Step Baffle And Flange (Cooper Halo 593SNB)	70.13	17.65
		For >50 To 100, Deduct	*-2.42*	
		For >100 To 250, Deduct	*-4.17*	
		For >250 To 500, Deduct	*-7.01*	
		For >500, Deduct	*-9.86*	
26 51 19 00-0267	EA	5" LED Trim, Tuscan Bronze Micro-Step Baffle And Flange (Cooper Halo 593TBZB)	76.66	17.65
		For >50 To 100, Deduct	*-2.58*	
		For >100 To 250, Deduct	*-4.50*	
		For >250 To 500, Deduct	*-7.67*	
		For >500, Deduct	*-10.84*	
26 51 19 00-0268	EA	5" LED Directional Trim, White eyeball, Baffle And Flange (Cooper Halo 594WB)	89.40	17.65
		For >50 To 100, Deduct	*-2.90*	
		For >100 To 250, Deduct	*-5.13*	
		For >250 To 500, Deduct	*-8.94*	
		For >500, Deduct	*-12.75*	
26 51 19 00-0269	EA	5" LED Directional Trim, Satin Nickel eyeball, Baffle And Flange (Cooper Halo 594SNB)	89.81	17.65
		For >50 To 100, Deduct	*-2.91*	
		For >100 To 250, Deduct	*-5.15*	
		For >250 To 500, Deduct	*-8.98*	
		For >500, Deduct	*-12.81*	
26 51 19 00-0270	EA	5" LED Directional Trim, Tuscan Bronze eyeball, Baffle And Flange (Cooper Halo 594TBZB)	87.98	17.65
		For >50 To 100, Deduct	*-2.86*	
		For >100 To 250, Deduct	*-5.06*	
		For >250 To 500, Deduct	*-8.80*	
		For >500, Deduct	*-12.54*	
26 51 19 00-0271	EA	5" LED Trim, Wall Wash - Specular reflector, repositionable Specular kick reflector, White Flange (Cooper Halo 595WW)	108.90	17.65
		For >50 To 100, Deduct	*-3.38*	
		For >100 To 250, Deduct	*-6.11*	
		For >250 To 500, Deduct	*-10.89*	
		For >500, Deduct	*-15.67*	
26 51 19 00-0272	EA	5" LED Trim, White Shallow Baffle And Flange (Cooper Halo 596WB)	51.22	17.65
		For >50 To 100, Deduct	*-1.94*	
		For >100 To 250, Deduct	*-3.22*	
		For >250 To 500, Deduct	*-5.12*	
		For >500, Deduct	*-7.02*	
26 51 19 00-0273	EA	6" LED Trim, Polymer Dead-Front, White Shallow Baffle And Flange (Cooper Halo 691WB)	92.98	17.65
		For >50 To 100, Deduct	*-2.99*	
		For >100 To 250, Deduct	*-5.31*	
		For >250 To 500, Deduct	*-9.30*	
		For >500, Deduct	*-13.29*	
26 51 19 00-0274	EA	6" LED Trim, Specular Reflector And White Flange (Cooper Halo 692SC)	78.90	17.65
		For >50 To 100, Deduct	*-2.63*	
		For >100 To 250, Deduct	*-4.61*	
		For >250 To 500, Deduct	*-7.89*	
		For >500, Deduct	*-11.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0275	EA	6" LED Trim, Haze Reflector And White Flange (Cooper Halo 692H)	73.96	17.65
		For >50 To 100, Deduct	*-2.51*	
		For >100 To 250, Deduct	*-4.36*	
		For >250 To 500, Deduct	*-7.40*	
		For >500, Deduct	*-10.43*	
26 51 19 00-0276	EA	6" LED Trim, White Reflector And Flange (Cooper Halo 692W)	65.81	17.65
		For >50 To 100, Deduct	*-2.31*	
		For >100 To 250, Deduct	*-3.95*	
		For >250 To 500, Deduct	*-6.58*	
		For >500, Deduct	*-9.21*	
26 51 19 00-0277	EA	6" LED Trim, White Micro-Step Baffle And Flange (Cooper Halo 693WB)	66.40	17.65
		For >50 To 100, Deduct	*-2.32*	
		For >100 To 250, Deduct	*-3.98*	
		For >250 To 500, Deduct	*-6.64*	
		For >500, Deduct	*-9.30*	
26 51 19 00-0278	EA	6" LED Trim, Black Micro-Step Baffle And White Flange (Cooper Halo 693BB)	71.63	17.65
		For >50 To 100, Deduct	*-2.45*	
		For >100 To 250, Deduct	*-4.24*	
		For >250 To 500, Deduct	*-7.16*	
		For >500, Deduct	*-10.08*	
26 51 19 00-0279	EA	6" LED Trim, Satin Nickel Micro-Step Baffle And Flange (Cooper Halo 693SNB)	65.49	17.65
		For >50 To 100, Deduct	*-2.30*	
		For >100 To 250, Deduct	*-3.94*	
		For >250 To 500, Deduct	*-6.55*	
		For >500, Deduct	*-9.16*	
26 51 19 00-0280	EA	6" LED Trim, Tuscan Bronze Micro-Step Baffle And Flange (Cooper Halo 693TBZB)	82.16	17.65
		For >50 To 100, Deduct	*-2.72*	
		For >100 To 250, Deduct	*-4.77*	
		For >250 To 500, Deduct	*-8.22*	
		For >500, Deduct	*-11.66*	
26 51 19 00-0281	EA	6" LED Directional Trim, White eyeball, Baffle And Flange (Cooper Halo 694WB)	89.19	17.65
		For >50 To 100, Deduct	*-2.89*	
		For >100 To 250, Deduct	*-5.12*	
		For >250 To 500, Deduct	*-8.92*	
		For >500, Deduct	*-12.72*	
26 51 19 00-0282	EA	6" LED Directional Trim, Satin Nickel eyeball, Baffle And Flange (Cooper Halo 694SNB)	112.56	17.65
		For >50 To 100, Deduct	*-3.48*	
		For >100 To 250, Deduct	*-6.29*	
		For >250 To 500, Deduct	*-11.26*	
		For >500, Deduct	*-16.22*	
26 51 19 00-0283	EA	6" LED Directional Trim, Tuscan Bronze eyeball, Baffle And Flange (Cooper Halo 694TBZB)	109.63	17.65
		For >50 To 100, Deduct	*-3.40*	
		For >100 To 250, Deduct	*-6.14*	
		For >250 To 500, Deduct	*-10.96*	
		For >500, Deduct	*-15.78*	
26 51 19 00-0284	EA	6" LED Trim, Wall Wash - Specular reflector, repositionable Specular kick reflector, White Flange (Cooper Halo 695WW)	110.92	17.65
		For >50 To 100, Deduct	*-3.44*	
		For >100 To 250, Deduct	*-6.21*	
		For >250 To 500, Deduct	*-11.09*	
		For >500, Deduct	*-15.98*	
26 51 19 00-0285	EA	6" LED Trim, White Shallow Baffle And Flange (Cooper Halo 696WB)	67.11	17.65
		For >50 To 100, Deduct	*-2.34*	
		For >100 To 250, Deduct	*-4.02*	
		For >250 To 500, Deduct	*-6.71*	
		For >500, Deduct	*-9.40*	
26 51 19 00-0286	EA	6" LED, Insulated Ceiling, Air-Tite, New Construction Housing (Cooper Halo H750ICAT)	63.01	37.82
		For >50 To 100, Deduct	*-2.99*	
		For >100 To 250, Deduct	*-4.57*	
		For >250 To 500, Deduct	*-6.30*	
		For >500, Deduct	*-8.03*	
26 51 19 00-0287	EA	6" LED, Insulated Ceiling, Air-Tite, Remodel Housing (Cooper Halo H750RICAT)	68.74	37.82
		For >50 To 100, Deduct	*-3.14*	
		For >100 To 250, Deduct	*-4.86*	
		For >250 To 500, Deduct	*-6.87*	
		For >500, Deduct	*-8.89*	
26 51 19 00-0288	EA	6" LED, Non-IC, Air-Tite, New Construction Housing (Cooper Halo H750T)	66.45	37.82
		For >50 To 100, Deduct	*-3.08*	
		For >100 To 250, Deduct	*-4.74*	
		For >250 To 500, Deduct	*-6.65*	
		For >500, Deduct	*-8.55*	
26 51 19 00-0289	EA	6" LED, Non-IC, New Construction/Remodel Chicago Plenum Housing (Cooper Halo H750TCP)	89.00	37.82
		For >50 To 100, Deduct	*-3.64*	
		For >100 To 250, Deduct	*-5.87*	
		For >250 To 500, Deduct	*-8.90*	
		For >500, Deduct	*-11.93*	
26 51 19 00-0290	EA	6" LED, Shallow, Insulated Ceiling, Air-Tite, New Constr. (Cooper Halo H2750ICAT)	86.35	37.82
		For >50 To 100, Deduct	*-3.58*	
		For >100 To 250, Deduct	*-5.74*	
		For >250 To 500, Deduct	*-8.64*	
		For >500, Deduct	*-11.53*	
26 51 19 00-0291	EA	6" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo H7ICAT)	69.52	37.82
		For >50 To 100, Deduct	*-3.16*	
		For >100 To 250, Deduct	*-4.89*	
		For >250 To 500, Deduct	*-6.95*	
		For >500, Deduct	*-9.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0292	EA	6" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H7RICAT)	73.37	37.82
		For >50 To 100, Deduct	*-3.25*	
		For >100 To 250, Deduct	*-5.09*	
		For >250 To 500, Deduct	*-7.34*	
		For >500, Deduct	*-9.59*	
26 51 19 00-0293	EA	6" Insulated Ceiling, New Construction Housing (Cooper Halo H7ICT)	68.71	37.82
		For >50 To 100, Deduct	*-3.14*	
		For >100 To 250, Deduct	*-4.85*	
		For >250 To 500, Deduct	*-6.87*	
		For >500, Deduct	*-8.89*	
26 51 19 00-0294	EA	6" Insulated Ceiling, Remodel Housing (Cooper Halo H7RICT)	72.93	37.82
		For >50 To 100, Deduct	*-3.24*	
		For >100 To 250, Deduct	*-5.06*	
		For >250 To 500, Deduct	*-7.29*	
		For >500, Deduct	*-9.52*	
26 51 19 00-0295	EA	6" Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket (Cooper Halo H7ICATNB)	69.41	37.82
		For >50 To 100, Deduct	*-3.15*	
		For >100 To 250, Deduct	*-4.89*	
		For >250 To 500, Deduct	*-6.94*	
		For >500, Deduct	*-8.99*	
26 51 19 00-0296	EA	6" Insulated Ceiling, New Construction Housing, No Socket Bracket (Cooper Halo H7ICTNB)	69.02	37.82
		For >50 To 100, Deduct	*-3.14*	
		For >100 To 250, Deduct	*-4.87*	
		For >250 To 500, Deduct	*-6.90*	
		For >500, Deduct	*-8.93*	
26 51 19 00-0297	EA	6" Non-IC, New Construction Housing (Cooper Halo H7T)	72.06	37.82
		For >50 To 100, Deduct	*-3.22*	
		For >100 To 250, Deduct	*-5.02*	
		For >250 To 500, Deduct	*-7.21*	
		For >500, Deduct	*-9.39*	
26 51 19 00-0298	EA	6" Non-IC, Remodel Housing (Cooper Halo H7RT)	73.72	37.82
		For >50 To 100, Deduct	*-3.26*	
		For >100 To 250, Deduct	*-5.10*	
		For >250 To 500, Deduct	*-7.37*	
		For >500, Deduct	*-9.64*	
26 51 19 00-0299	EA	6" Non-IC, New Construction Housing, No Socket Bracket (Cooper Halo H7TNB)	74.24	37.82
		For >50 To 100, Deduct	*-3.27*	
		For >100 To 250, Deduct	*-5.13*	
		For >250 To 500, Deduct	*-7.42*	
		For >500, Deduct	*-9.72*	
26 51 19 00-0300	EA	6" Non-IC, Chicago Plenum, New Construction/Remodel Housing (Cooper Halo H7TCP)	99.79	37.82
		For >50 To 100, Deduct	*-3.91*	
		For >100 To 250, Deduct	*-6.41*	
		For >250 To 500, Deduct	*-9.98*	
		For >500, Deduct	*-13.55*	
26 51 19 00-0301	EA	6" Insulated Ceiling, Universal New Construction Housing (Cooper Halo H7UICT)	93.38	37.82
		For >50 To 100, Deduct	*-3.75*	
		For >100 To 250, Deduct	*-6.09*	
		For >250 To 500, Deduct	*-9.34*	
		For >500, Deduct	*-12.59*	
26 51 19 00-0302	EA	6" Insulated Ceiling, Universal, Air-Tite, New Construction Housing (Cooper Halo H7UICAT)	94.12	37.82
		For >50 To 100, Deduct	*-3.77*	
		For >100 To 250, Deduct	*-6.12*	
		For >250 To 500, Deduct	*-9.41*	
		For >500, Deduct	*-12.70*	
26 51 19 00-0303	EA	6" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo EI700AT)	98.41	37.82
		For >50 To 100, Deduct	*-3.88*	
		For >100 To 250, Deduct	*-6.34*	
		For >250 To 500, Deduct	*-9.84*	
		For >500, Deduct	*-13.34*	
26 51 19 00-0304	EA	6" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI700RAT)	98.41	37.82
		For >50 To 100, Deduct	*-3.88*	
		For >100 To 250, Deduct	*-6.34*	
		For >250 To 500, Deduct	*-9.84*	
		For >500, Deduct	*-13.34*	
26 51 19 00-0305	EA	6" Insulated Ceiling, New Construction Housing (Cooper Halo EI700)	98.41	37.82
		For >50 To 100, Deduct	*-3.88*	
		For >100 To 250, Deduct	*-6.34*	
		For >250 To 500, Deduct	*-9.84*	
		For >500, Deduct	*-13.34*	
26 51 19 00-0306	EA	6" Insulated Ceiling, Remodel Housing (Cooper Halo EI700R)	98.41	37.82
		For >50 To 100, Deduct	*-3.88*	
		For >100 To 250, Deduct	*-6.34*	
		For >250 To 500, Deduct	*-9.84*	
		For >500, Deduct	*-13.34*	
26 51 19 00-0307	EA	6" Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket (Cooper Halo EI700ATNB)	98.41	37.82
		For >50 To 100, Deduct	*-3.88*	
		For >100 To 250, Deduct	*-6.34*	
		For >250 To 500, Deduct	*-9.84*	
		For >500, Deduct	*-13.34*	
26 51 19 00-0308	EA	6" Insulated Ceiling, New Construction Housing, No Socket Bracket (Cooper Halo EI700NB)	87.19	37.82
		For >50 To 100, Deduct	*-3.60*	
		For >100 To 250, Deduct	*-5.78*	
		For >250 To 500, Deduct	*-8.72*	
		For >500, Deduct	*-11.66*	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0309	EA	6" Insulated Ceiling, Universal New Construction Housing (Cooper Halo EI700U)	87.19	37.82
		For >50 To 100, Deduct	*-3.60*	
		For >100 To 250, Deduct	*-5.78*	
		For >250 To 500, Deduct	*-8.72*	
		For >500, Deduct	*-11.66*	
26 51 19 00-0310	EA	6" Insulated Ceiling, Universal, Air-Tite, New Construction Housing (Cooper Halo EI700UAT)	87.19	37.82
		For >50 To 100, Deduct	*-3.60*	
		For >100 To 250, Deduct	*-5.78*	
		For >250 To 500, Deduct	*-8.72*	
		For >500, Deduct	*-11.66*	
26 51 19 00-0311	EA	6" Non-IC, New Construction Housing (Cooper Halo ET700)	87.19	37.82
		For >50 To 100, Deduct	*-3.60*	
		For >100 To 250, Deduct	*-5.78*	
		For >250 To 500, Deduct	*-8.72*	
		For >500, Deduct	*-11.66*	
26 51 19 00-0312	EA	6" Non-IC, Remodel Housing (Cooper Halo ET700R)	87.19	37.82
		For >50 To 100, Deduct	*-3.60*	
		For >100 To 250, Deduct	*-5.78*	
		For >250 To 500, Deduct	*-8.72*	
		For >500, Deduct	*-11.66*	
26 51 19 00-0313	EA	6" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo H27ICAT)	88.01	37.82
		For >50 To 100, Deduct	*-3.62*	
		For >100 To 250, Deduct	*-5.82*	
		For >250 To 500, Deduct	*-8.80*	
		For >500, Deduct	*-11.78*	
26 51 19 00-0314	EA	6" Shallow, Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H27RICAT)	100.61	37.82
		For >50 To 100, Deduct	*-3.93*	
		For >100 To 250, Deduct	*-6.45*	
		For >250 To 500, Deduct	*-10.06*	
		For >500, Deduct	*-13.67*	
26 51 19 00-0315	EA	6" Shallow, Insulated Ceiling, New Construction Housing (Cooper Halo H27ICT)	88.01	37.82
		For >50 To 100, Deduct	*-3.62*	
		For >100 To 250, Deduct	*-5.82*	
		For >250 To 500, Deduct	*-8.80*	
		For >500, Deduct	*-11.78*	
26 51 19 00-0316	EA	6" Shallow, Insulated Ceiling, Remodel Housing (Cooper Halo H27RICT)	97.05	37.82
		For >50 To 100, Deduct	*-3.84*	
		For >100 To 250, Deduct	*-6.27*	
		For >250 To 500, Deduct	*-9.71*	
		For >500, Deduct	*-13.14*	
26 51 19 00-0317	EA	6" Shallow, Non-IC, New Construction Housing (Cooper Halo H27T)	82.91	37.82
		For >50 To 100, Deduct	*-3.49*	
		For >100 To 250, Deduct	*-5.56*	
		For >250 To 500, Deduct	*-8.29*	
		For >500, Deduct	*-11.02*	
26 51 19 00-0318	EA	6" Shallow, Non-IC, Remodel Housing (Cooper Halo H27RT)	84.15	37.82
		For >50 To 100, Deduct	*-3.52*	
		For >100 To 250, Deduct	*-5.63*	
		For >250 To 500, Deduct	*-8.42*	
		For >500, Deduct	*-11.20*	
26 51 19 00-0319	EA	6" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo EI2700AT)	92.95	37.82
		For >50 To 100, Deduct	*-3.74*	
		For >100 To 250, Deduct	*-6.07*	
		For >250 To 500, Deduct	*-9.30*	
		For >500, Deduct	*-12.52*	
26 51 19 00-0320	EA	6" Shallow, Insulated Ceiling, New Construction Housing (Cooper Halo EI2700)	92.95	37.82
		For >50 To 100, Deduct	*-3.74*	
		For >100 To 250, Deduct	*-6.07*	
		For >250 To 500, Deduct	*-9.30*	
		For >500, Deduct	*-12.52*	
26 51 19 00-0321	EA	6" Shallow, Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI2700R)	92.95	37.82
		For >50 To 100, Deduct	*-3.74*	
		For >100 To 250, Deduct	*-6.07*	
		For >250 To 500, Deduct	*-9.30*	
		For >500, Deduct	*-12.52*	
26 51 19 00-0322	EA	6" Shallow, Non-IC, New Construction Housing (Cooper Halo ET2700)	92.95	37.82
		For >50 To 100, Deduct	*-3.74*	
		For >100 To 250, Deduct	*-6.07*	
		For >250 To 500, Deduct	*-9.30*	
		For >500, Deduct	*-12.52*	
26 51 19 00-0323	EA	6" Shallow, Non-IC, Remodel Housing (Cooper Halo ET2700R)	92.95	37.82
		For >50 To 100, Deduct	*-3.74*	
		For >100 To 250, Deduct	*-6.07*	
		For >250 To 500, Deduct	*-9.30*	
		For >500, Deduct	*-12.52*	
26 51 19 00-0324	EA	6" Retrofit Enclosure, Non-IC, BX Whip (Cooper Halo ML7BXRFK)	76.40	17.65
		For >50 To 100, Deduct	*-2.57*	
		For >100 To 250, Deduct	*-4.48*	
		For >250 To 500, Deduct	*-7.64*	
		For >500, Deduct	*-10.80*	
26 51 19 00-0325	EA	6" Retrofit Enclosure, Non-IC, E26 Screw base Interface (Cooper Halo ML7E26RFK)	78.96	17.65
		For >50 To 100, Deduct	*-2.64*	
		For >100 To 250, Deduct	*-4.61*	
		For >250 To 500, Deduct	*-7.90*	
		For >500, Deduct	*-11.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0326	EA	5" LED, Insulated Ceiling, Air-Tite, New Construction Housing (Cooper Halo H550ICAT)	77.34	37.82
		For >50 To 100, Deduct	*-3.35*	
		For >100 To 250, Deduct	*-5.29*	
		For >250 To 500, Deduct	*-7.73*	
		For >500, Deduct	*-10.18*	
26 51 19 00-0327	EA	5" LED, Insulated Ceiling, Air-Tite, Remodel Housing (Cooper Halo H550RICAT)	77.65	37.82
		For >50 To 100, Deduct	*-3.36*	
		For >100 To 250, Deduct	*-5.30*	
		For >250 To 500, Deduct	*-7.77*	
		For >500, Deduct	*-10.23*	
26 51 19 00-0328	EA	5" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo H5ICAT)	72.33	37.82
		For >50 To 100, Deduct	*-3.23*	
		For >100 To 250, Deduct	*-5.03*	
		For >250 To 500, Deduct	*-7.23*	
		For >500, Deduct	*-9.43*	
26 51 19 00-0329	EA	5" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H5RICAT)	74.94	37.82
		For >50 To 100, Deduct	*-3.29*	
		For >100 To 250, Deduct	*-5.17*	
		For >250 To 500, Deduct	*-7.49*	
		For >500, Deduct	*-9.82*	
26 51 19 00-0330	EA	5" Non-IC, New Construction Housing (Cooper Halo H5T)	74.09	37.82
		For >50 To 100, Deduct	*-3.27*	
		For >100 To 250, Deduct	*-5.12*	
		For >250 To 500, Deduct	*-7.41*	
		For >500, Deduct	*-9.70*	
26 51 19 00-0331	EA	5" Non-IC, Remodel Housing (Cooper Halo H5RT)	74.88	37.82
		For >50 To 100, Deduct	*-3.29*	
		For >100 To 250, Deduct	*-5.16*	
		For >250 To 500, Deduct	*-7.49*	
		For >500, Deduct	*-9.81*	
26 51 19 00-0332	EA	5" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo EI500AT)	86.08	37.82
		For >50 To 100, Deduct	*-3.57*	
		For >100 To 250, Deduct	*-5.72*	
		For >250 To 500, Deduct	*-8.61*	
		For >500, Deduct	*-11.49*	
26 51 19 00-0333	EA	5" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI500RAT)	86.68	37.82
		For >50 To 100, Deduct	*-3.59*	
		For >100 To 250, Deduct	*-5.75*	
		For >250 To 500, Deduct	*-8.67*	
		For >500, Deduct	*-11.58*	
26 51 19 00-0334	EA	5" Non-IC, New Construction Housing (Cooper Halo ET500)	89.69	37.82
		For >50 To 100, Deduct	*-3.66*	
		For >100 To 250, Deduct	*-5.90*	
		For >250 To 500, Deduct	*-8.97*	
		For >500, Deduct	*-12.04*	
26 51 19 00-0335	EA	5" Non-IC, Remodel Housing (Cooper Halo ET500R)	91.80	37.82
		For >50 To 100, Deduct	*-3.71*	
		For >100 To 250, Deduct	*-6.01*	
		For >250 To 500, Deduct	*-9.18*	
		For >500, Deduct	*-12.35*	
26 51 19 00-0336	EA	5" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo H25ICAT)	101.07	37.82
		For >50 To 100, Deduct	*-3.95*	
		For >100 To 250, Deduct	*-6.47*	
		For >250 To 500, Deduct	*-10.11*	
		For >500, Deduct	*-13.74*	

26 51 19 00-0337 Recessed LED Downlights (Maxlite DLR) *(26 51 19 00-0228)*

26 51 19 00-0338	EA	4" Diameter, 1,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR410)	181.70	55.47
		For >50 To 100, Deduct	*-6.62*	
		For >100 To 250, Deduct	*-11.17*	
		For >250 To 500, Deduct	*-18.17*	
		For >500, Deduct	*-25.17*	
26 51 19 00-0339	EA	4" Diameter, 1,500 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR415)	184.23	55.47
		For >50 To 100, Deduct	*-6.69*	
		For >100 To 250, Deduct	*-11.29*	
		For >250 To 500, Deduct	*-18.42*	
		For >500, Deduct	*-25.55*	
26 51 19 00-0340	EA	4" Diameter, 2,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR420)	191.81	55.47
		For >50 To 100, Deduct	*-6.88*	
		For >100 To 250, Deduct	*-11.67*	
		For >250 To 500, Deduct	*-19.18*	
		For >500, Deduct	*-26.69*	
26 51 19 00-0341	EA	6" Diameter, 1,500 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR615)	176.64	55.47
		For >50 To 100, Deduct	*-6.50*	
		For >100 To 250, Deduct	*-10.91*	
		For >250 To 500, Deduct	*-17.66*	
		For >500, Deduct	*-24.42*	
26 51 19 00-0342	EA	6" Diameter, 2,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR620)	176.64	55.47
		For >50 To 100, Deduct	*-6.50*	
		For >100 To 250, Deduct	*-10.91*	
		For >250 To 500, Deduct	*-17.66*	
		For >500, Deduct	*-24.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0343	EA	6" Diameter, 3,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR630)	176.64	55.47
		For >50 To 100, Deduct	*-6.50*	
		For >100 To 250, Deduct	*-10.91*	
		For >250 To 500, Deduct	*-17.66*	
		For >500, Deduct	*-24.42*	
26 51 19 00-0344	EA	8" Diameter, 1,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR810)	191.81	55.47
		For >50 To 100, Deduct	*-6.88*	
		For >100 To 250, Deduct	*-11.67*	
		For >250 To 500, Deduct	*-19.18*	
		For >500, Deduct	*-26.69*	
26 51 19 00-0345	EA	8" Diameter, 1,500 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR815)	194.33	55.47
		For >50 To 100, Deduct	*-6.94*	
		For >100 To 250, Deduct	*-11.80*	
		For >250 To 500, Deduct	*-19.43*	
		For >500, Deduct	*-27.07*	
26 51 19 00-0346	EA	8" Diameter, 2,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR820)	199.37	55.47
		For >50 To 100, Deduct	*-7.06*	
		For >100 To 250, Deduct	*-12.05*	
		For >250 To 500, Deduct	*-19.94*	
		For >500, Deduct	*-27.83*	
26 51 19 00-0347	EA	8" Diameter, 3,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR830)	214.52	55.47
		For >50 To 100, Deduct	*-7.44*	
		For >100 To 250, Deduct	*-12.81*	
		For >250 To 500, Deduct	*-21.45*	
		For >500, Deduct	*-30.10*	
26 51 19 00-0348	EA	8" Diameter, 5,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR850)	234.73	55.47
		For >50 To 100, Deduct	*-7.95*	
		For >100 To 250, Deduct	*-13.82*	
		For >250 To 500, Deduct	*-23.47*	
		For >500, Deduct	*-33.13*	

26 51 19 00-0349 Recessed LED Downlight Retrofits And Trim (CREE®) *(26 51 19 00-0227)*

26 51 19 00-0350 Recessed LED Downlight Retrofits (CREE®) *(26 51 19 00-0349)*

Note: Dimmable to 5%. For installation in standard recessed IC or non-IC housings. Includes removal of existing lamp from fixture. Excludes housing and disposal of hazardous lamps.

26 51 19 00-0351	EA	4" Diameter, 575 Lumens, Recessed LED Downlight Retrofit (Cree® CR4-575L)	114.55	
		For >50 To 100, Deduct	*-3.65*	
		For >100 To 250, Deduct	*-6.52*	
		For >250 To 500, Deduct	*-11.46*	
		For >500, Deduct	*-16.39*	
26 51 19 00-0352	EA	6" Diameter, 625 Lumens, Recessed LED Downlight Retrofit (Cree® CR6-625L)	101.08	
		For >50 To 100, Deduct	*-3.32*	
		For >100 To 250, Deduct	*-5.84*	
		For >250 To 500, Deduct	*-10.11*	
		For >500, Deduct	*-14.37*	
26 51 19 00-0353	EA	6" Diameter, 800 Lumens, Recessed LED Downlight Retrofit (Cree® CR6-800L)	128.01	
		For >50 To 100, Deduct	*-3.99*	
		For >100 To 250, Deduct	*-7.19*	
		For >250 To 500, Deduct	*-12.80*	
		For >500, Deduct	*-18.41*	
26 51 19 00-0354	EA	6" Diameter, 650 Lumens, Recessed LED Downlight Retrofit (Cree® LR6C-277)	143.71	
		For >50 To 100, Deduct	*-4.38*	
		For >100 To 250, Deduct	*-7.97*	
		For >250 To 500, Deduct	*-14.37*	
		For >500, Deduct	*-20.77*	
26 51 19 00-0355	EA	6" Diameter, 1,000 Lumens, Deep Recessed LED Downlight Retrofit (Cree® LR6-10L-XXX-120V-A-DR)	157.17	
		For >50 To 100, Deduct	*-4.72*	
		For >100 To 250, Deduct	*-8.65*	
		For >250 To 500, Deduct	*-15.72*	
		For >500, Deduct	*-22.79*	

26 51 19 00-0356 Recessed LED Downlight Retrofits Trim (CREE®) *(26 51 19 00-0349)*

Note: For installation in standard recessed IC or non-IC housings. Excludes housing and lamp.

26 51 19 00-0357	EA	6" Diameter, Diffuse Anodized Finish Reflector For LED Downlight Retrofits (Cree® CT6AX)	41.34	8.83
		For >50 To 100, Deduct	*-1.51*	
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-4.13*	
		For >500, Deduct	*-5.73*	
26 51 19 00-0358	EA	6" Diameter, Diffuse Anodized Finish Reflector With Painted Flange For LED Downlight Retrofits (Cree® LT6AP)	50.32	8.83
		For >50 To 100, Deduct	*-1.73*	
		For >100 To 250, Deduct	*-2.99*	
		For >250 To 500, Deduct	*-5.03*	
		For >500, Deduct	*-7.08*	
26 51 19 00-0359	EA	6" Diameter, Flat Black Finish Trim And Reflector For LED Downlight Retrofits (Cree® CT6BB)	43.59	8.83
		For >50 To 100, Deduct	*-1.56*	
		For >100 To 250, Deduct	*-2.65*	
		For >250 To 500, Deduct	*-4.36*	
		For >500, Deduct	*-6.07*	

26 51 19 00-0360 Recessed LED Downlight Fixture Housings (CREE®) *(26 51 19 00-0349)*

Note: Excludes lamp and trim.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0361	EA	6" Diameter, IC Rated, Architectural Recessed LED Downlight Fixture Housing (Cree® H6)	110.59	37.82
		For >50 To 100, Deduct	*-4.18*	
		For >100 To 250, Deduct	*-6.95*	
		For >250 To 500, Deduct	*-11.06*	
		For >500, Deduct	*-15.17*	
26 51 19 00-0362	EA	6" Diameter, IC Rated, Retrofit Recessed LED Downlight Fixture Housing (Cree® RR6)	79.16	37.82
		For >50 To 100, Deduct	*-3.40*	
		For >100 To 250, Deduct	*-5.38*	
		For >250 To 500, Deduct	*-7.92*	
		For >500, Deduct	*-10.46*	
26 51 19 00-0363		**Can Retrofit Or Surface Mount, LED Downlights** *(26 51 19 00-0227)*		
26 51 19 00-0364	EA	6" Diameter, 15 Watt, Can Retrofit Or Surface Mount, LED Downlight (Lighting Science® GLP6)	99.45	34.55
		For >50 To 100, Deduct	*-3.78*	
		For >100 To 250, Deduct	*-6.27*	
		For >250 To 500, Deduct	*-9.95*	
		For >500, Deduct	*-13.62*	
26 51 19 00-0365	EA	4" Diameter, 7 Watt, Can Retrofit, LED Downlight (Green Creative0 1-811-D)	80.95	34.55
		For >50 To 100, Deduct	*-3.32*	
		For >100 To 250, Deduct	*-5.34*	
		For >250 To 500, Deduct	*-8.10*	
		For >500, Deduct	*-10.85*	
26 51 19 00-0366	EA	6" Diameter, 9.5 Watt, Can Retrofit, LED Downlight (Green Creative0 1-808-D)	80.95	34.55
		For >50 To 100, Deduct	*-3.32*	
		For >100 To 250, Deduct	*-5.34*	
		For >250 To 500, Deduct	*-8.10*	
		For >500, Deduct	*-10.85*	
26 51 19 00-0367	EA	6" Diameter, 8.9 Watt, Can Retrofit, LED Downlight (Lithonia 6BP)	141.99	34.55
		For Recessed IC/Non-IC Rated Housing For New Construction, Add	*51.67*	
		For >50 To 100, Deduct	*-4.85*	
		For >100 To 250, Deduct	*-8.40*	
		For >250 To 500, Deduct	*-14.20*	
		For >500, Deduct	*-20.00*	
26 51 19 00-0368	EA	4" Diameter, 8 Watt, 600 Lumens, Retrofit LED Downlight (Sylvania LED/RT4/550/840)	70.80	34.55
		For >50 To 100, Deduct	*-3.07*	
		For >100 To 250, Deduct	*-4.84*	
		For >250 To 500, Deduct	*-7.08*	
		For >500, Deduct	*-9.32*	
26 51 19 00-0369	EA	5" Diameter, 10 Watt, 700 Lumens, Retrofit LED Downlight (Sylvania LED/RT5/6/625/840)	78.42	34.55
		For >50 To 100, Deduct	*-3.26*	
		For >100 To 250, Deduct	*-5.22*	
		For >250 To 500, Deduct	*-7.84*	
		For >500, Deduct	*-10.47*	
26 51 19 00-0370	EA	6" Diameter, 800 Lumens, 10 Watt, Retrofit LED Wallwash Downlight (Indy Lighting LRT6-08LM)	945.64	34.55
		For >50 To 100, Deduct	*-24.94*	
		For >100 To 250, Deduct	*-48.58*	
		For >250 To 500, Deduct	*-94.56*	
		For >500, Deduct	*-140.55*	
26 51 19 00-0371		**Wall Mount LED Cylinder Downlight** *(26 51 19 00-0001)*		
26 51 19 00-0372	EA	9" Diameter, 2,200 Lumens, Wall Mount LED Cylinder Downlight With Semi-Specular Trim (Gotham® EVO® CLED9)	394.81	53.67
		For >50 To 100, Deduct	*-11.89*	
		For >100 To 250, Deduct	*-21.76*	
		For >250 To 500, Deduct	*-39.48*	
		For >500, Deduct	*-57.21*	
26 51 19 00-0373		**Wall Sconce And Wall Wash LED Fixtures** *(26 51 19 00-0001)*		
26 51 19 00-0374		**LED Wall Sconce Fixtures (Hudson Valley Lighting)** *(26 51 19 00-0373)*		
26 51 19 00-0375	EA	2-1/2" Diameter x 15-1/2" High, Polished Nickel, LED Wall Sconce (Hudson Valley Lighting SHAW 1200-PN)	542.54	50.43
		For >50 To 100, Deduct	*-15.45*	
		For >100 To 250, Deduct	*-29.02*	
		For >250 To 500, Deduct	*-54.25*	
		For >500, Deduct	*-79.49*	
26 51 19 00-0376		**LED Wall Sconce Fixtures (Kichler)** *(26 51 19 00-0373)*		
26 51 19 00-0377	EA	6" High x 11.75" Wide x 3.5" Deep, 900 Lumens, 15 Watt, White Acrylic Diffuser, Brushed Nickel, LED Wall Sconce (Kichler 10790NILED)	301.71	50.43
		For >50 To 100, Deduct	*-9.43*	
		For >100 To 250, Deduct	*-16.98*	
		For >250 To 500, Deduct	*-30.17*	
		For >500, Deduct	*-43.37*	
26 51 19 00-0378		**LED Wall Sconce Fixtures (Metalux)** *(26 51 19 00-0373)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0379	EA	9.875" High x 7.125" Wide x 3.5" Deep, 9 Watt, White Acrylic Diffuser, Brushed Nickel, LED Wall Sconce (Metalux AFX VNTS071009L30ENBN)	147.78	50.43
		For >50 To 100, Deduct	*-5.59*	
		For >100 To 250, Deduct	*-9.28*	
		For >250 To 500, Deduct	*-14.78*	
		For >500, Deduct	*-20.28*	
26 51 19 00-0380	EA	5" LED, Cape Sconce Wall Light, White (AFX CAPW050804L30ENWH)	130.02	50.43
		For >50 To 100, Deduct	*-5.14*	
		For >100 To 250, Deduct	*-8.39*	
		For >250 To 500, Deduct	*-13.00*	
		For >500, Deduct	*-17.61*	
26 51 19 00-0381		Concealed Continuous LED Fixtures *(26 51 19 00-0001)*		
26 51 19 00-0382		Concealed Continuous LED Fixtures (Fraqtir™ S301) *(26 51 19 00-0381)*		
26 51 19 00-0383	LF	Fixed Surface Mount, Concealed Continuous LED Fixture With Remote Driver (Fraqtir™ S301)	739.63	5.75
		For >50 To 100, Deduct	*-18.78*	
		For >100 To 250, Deduct	*-37.27*	
		For >250 To 500, Deduct	*-73.96*	
		For >500, Deduct	*-110.66*	
26 51 19 00-0384	LF	Fixed Surface Mount, Concealed Continuous LED Fixture With Remote Dimming Driver (Fraqtir™ S301)	843.30	5.75
		For >50 To 100, Deduct	*-21.37*	
		For >100 To 250, Deduct	*-42.45*	
		For >250 To 500, Deduct	*-84.33*	
		For >500, Deduct	*-126.21*	
26 51 19 00-0385		Low Bay LED Fixtures *(26 51 19 00-0001)*		
26 51 19 00-0386		LED Linear Low Bay Fixtures (PlanLED) *(26 51 19 00-0385)*		
26 51 19 00-0387	EA	4' Length, 23 Watt, LED Linear Low Bay Fixture (PlanLED A1W4)	377.61	69.11
		For >50 To 100, Deduct	*-12.32*	
		For >100 To 250, Deduct	*-21.76*	
		For >250 To 500, Deduct	*-37.76*	
		For >500, Deduct	*-53.76*	
26 51 19 00-0388	EA	4' Length, 42 Watt, LED Linear Low Bay Fixture (PlanLED A2W4A)	513.20	69.11
		For >50 To 100, Deduct	*-15.71*	
		For >100 To 250, Deduct	*-28.54*	
		For >250 To 500, Deduct	*-51.32*	
		For >500, Deduct	*-74.10*	
26 51 19 00-0389	EA	8' Length, 84 Watt, LED Linear Low Bay Fixture (PlanLED A2W5A)	854.73	86.38
		For >50 To 100, Deduct	*-24.97*	
		For >100 To 250, Deduct	*-46.34*	
		For >250 To 500, Deduct	*-85.47*	
		For >500, Deduct	*-124.61*	
26 51 19 00-0390		LED Low Bay Fixtures (CREE®) *(26 51 19 00-0385)*		
26 51 19 00-0391		LED Low Bay Fixtures (CREE® LS) *(26 51 19 00-0390)*		
		Note: Includes 120/277 voltage and 22 gauge steel housing assembly. Excludes sensors.		
26 51 19 00-0392	EA	2,500 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-25L-35K-10V)	338.34	69.11
		For >50 To 100, Deduct	*-11.34*	
		For >100 To 250, Deduct	*-19.80*	
		For >250 To 500, Deduct	*-33.83*	
		For >500, Deduct	*-47.87*	
26 51 19 00-0393	EA	2,500 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-25L-50K-10V)	361.22	69.11
		For >50 To 100, Deduct	*-11.91*	
		For >100 To 250, Deduct	*-20.94*	
		For >250 To 500, Deduct	*-36.12*	
		For >500, Deduct	*-51.30*	
26 51 19 00-0394	EA	4,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-40L-35K-10V)	347.87	69.11
		For >50 To 100, Deduct	*-11.58*	
		For >100 To 250, Deduct	*-20.27*	
		For >250 To 500, Deduct	*-34.79*	
		For >500, Deduct	*-49.30*	
26 51 19 00-0395	EA	4,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-40L-50K-10V)	370.76	69.11
		For >50 To 100, Deduct	*-12.15*	
		For >100 To 250, Deduct	*-21.42*	
		For >250 To 500, Deduct	*-37.08*	
		For >500, Deduct	*-52.73*	
26 51 19 00-0396	EA	5,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-50L-35K-10V)	387.93	69.11
		For >50 To 100, Deduct	*-12.58*	
		For >100 To 250, Deduct	*-22.28*	
		For >250 To 500, Deduct	*-38.79*	
		For >500, Deduct	*-55.31*	
26 51 19 00-0397	EA	5,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-50L-50K-10V)	410.82	69.11
		For >50 To 100, Deduct	*-13.15*	
		For >100 To 250, Deduct	*-23.42*	
		For >250 To 500, Deduct	*-41.08*	
		For >500, Deduct	*-58.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0398	EA	8,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-80L-35K-10V)	544.51	86.38
		For >50 To 100, Deduct	*-17.21*	
		For >100 To 250, Deduct	*-30.82*	
		For >250 To 500, Deduct	*-54.45*	
		For >500, Deduct	*-78.08*	
26 51 19 00-0399	EA	8,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-80L-50K-10V)	586.47	86.38
		For >50 To 100, Deduct	*-18.26*	
		For >100 To 250, Deduct	*-32.92*	
		For >250 To 500, Deduct	*-58.65*	
		For >500, Deduct	*-84.37*	
26 51 19 00-0400	EA	10,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-100L-35K-10V)	674.21	86.38
		For >50 To 100, Deduct	*-20.45*	
		For >100 To 250, Deduct	*-37.31*	
		For >250 To 500, Deduct	*-67.42*	
		For >500, Deduct	*-97.53*	
26 51 19 00-0401	EA	10,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-100L-50K-10V)	697.09	86.38
		For >50 To 100, Deduct	*-21.03*	
		For >100 To 250, Deduct	*-38.45*	
		For >250 To 500, Deduct	*-69.71*	
		For >500, Deduct	*-100.96*	

26 51 19 00-0402 LED Low Bay Fixtures (CREE® LN) *(26 51 19 00-0390)*

Note: Includes 120/277 voltage and aluminum housing assembly. Excludes sensors.

26 51 19 00-0403	EA	3,400 Lumens, 4' Length, LED Low Bay Fixture (Cree® LN4-34L-35K-10V)	761.76	69.11
		For >50 To 100, Deduct	*-21.92*	
		For >100 To 250, Deduct	*-40.97*	
		For >250 To 500, Deduct	*-76.18*	
		For >500, Deduct	*-111.38*	
26 51 19 00-0404	EA	3,400 Lumens, 4' Length, LED Low Bay Fixture, Smartcast Technology (Cree® LN4-34L-35K-CMA)	857.13	69.11
		For >50 To 100, Deduct	*-24.31*	
		For >100 To 250, Deduct	*-45.74*	
		For >250 To 500, Deduct	*-85.71*	
		For >500, Deduct	*-125.69*	

26 51 19 00-0405 LED Linear Low Bay Fixtures (CREE® CS) *(26 51 19 00-0390)*

Note: Includes 3,500 or 4,000K color temperature, 120/277 voltage and lightweight polymer housing assembly. Excludes sensors.

26 51 19 00-0406	EA	4,000 Lumens, 4' Length, LED Linear Low Bay Fixture (Cree® CS14™)	737.52	69.11
		For >50 To 100, Deduct	*-21.32*	
		For >100 To 250, Deduct	*-39.76*	
		For >250 To 500, Deduct	*-73.75*	
		For >500, Deduct	*-107.75*	
26 51 19 00-0407	EA	7,500 Lumens, 8' Length, LED Linear Low Bay Fixture (Cree® CS18™)	916.65	86.38
		For >50 To 100, Deduct	*-26.52*	
		For >100 To 250, Deduct	*-49.43*	
		For >250 To 500, Deduct	*-91.67*	
		For >500, Deduct	*-133.90*	
26 51 19 00-0408	EA	8,000 Lumens, 8' Length, LED Linear Low Bay Fixture (Cree® CS18™)	1,165.72	86.38
		For >50 To 100, Deduct	*-32.74*	
		For >100 To 250, Deduct	*-61.89*	
		For >250 To 500, Deduct	*-116.57*	
		For >500, Deduct	*-171.26*	

26 51 19 00-0409 Accessories For LED Low Bay Fixtures (CREE®) *(26 51 19 00-0390)*

26 51 19 00-0410	EA	Continuous Row Through Wiring Kit For 4' Fixtures (Cree® LS4TWK)	65.23	18.94
		For >50 To 100, Deduct	*-2.42*	
		For >100 To 250, Deduct	*-4.05*	
		For >250 To 500, Deduct	*-6.52*	
		For >500, Deduct	*-9.00*	
26 51 19 00-0411	EA	Continuous Row Through Wiring Kit For 8' Fixtures (Cree® LS8TWK)	71.97	18.94
		For >50 To 100, Deduct	*-2.59*	
		For >100 To 250, Deduct	*-4.39*	
		For >250 To 500, Deduct	*-7.20*	
		For >500, Deduct	*-10.01*	
26 51 19 00-0412	EA	Top Housing Aligner For Continuous Row Installations (Cree® LS-RJ)	54.00	18.94
		For >50 To 100, Deduct	*-2.14*	
		For >100 To 250, Deduct	*-3.49*	
		For >250 To 500, Deduct	*-5.40*	
		For >500, Deduct	*-7.31*	
26 51 19 00-0413	EA	Reflector Joint Aligner For Continuous Row Installations (Cree® LS-RFLJ)	42.79	18.94
		For >50 To 100, Deduct	*-1.86*	
		For >100 To 250, Deduct	*-2.93*	
		For >250 To 500, Deduct	*-4.28*	
		For >500, Deduct	*-5.63*	
26 51 19 00-0414	EA	Solid Reflector, Pair (Cree® LS4-SR)	143.76	18.94
		For >50 To 100, Deduct	*-4.38*	
		For >100 To 250, Deduct	*-7.98*	
		For >250 To 500, Deduct	*-14.38*	
		For >500, Deduct	*-20.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0415	EA	Solid Reflector, Pair (Cree® LS8-SR)	199.87	18.94
		For >50 To 100, Deduct	*-5.79*	
		For >100 To 250, Deduct	*-10.78*	
		For >250 To 500, Deduct	*-19.99*	
		For >500, Deduct	*-29.19*	
26 51 19 00-0416	EA	5" Cable Canopy With #18/2 SJT Cord, 48" (Cree® AC5-18/2-48-Q14B-JB)	71.97	18.94
		For >50 To 100, Deduct	*-2.59*	
		For >100 To 250, Deduct	*-4.39*	
		For >250 To 500, Deduct	*-7.20*	
		For >500, Deduct	*-10.01*	
26 51 19 00-0417	EA	5" Cable Canopy With #18/2 SJT Cord, 72" (Cree® AC5-18/2-72-Q14B-JB)	103.38	18.94
		For >50 To 100, Deduct	*-3.37*	
		For >100 To 250, Deduct	*-5.96*	
		For >250 To 500, Deduct	*-10.34*	
		For >500, Deduct	*-14.72*	
26 51 19 00-0418	EA	5" Cable Canopy With #18/5 SJT Cord, 48" (Cree® AC5-18/5-48-Q14B-JB)	80.93	18.94
		For >50 To 100, Deduct	*-2.81*	
		For >100 To 250, Deduct	*-4.84*	
		For >250 To 500, Deduct	*-8.09*	
		For >500, Deduct	*-11.35*	
26 51 19 00-0419	EA	5" Cable Canopy With #18/5 SJT Cord, 72" (Cree® AC5-18/5-72-Q14B-JB)	110.11	18.94
		For >50 To 100, Deduct	*-3.54*	
		For >100 To 250, Deduct	*-6.29*	
		For >250 To 500, Deduct	*-11.01*	
		For >500, Deduct	*-15.73*	
26 51 19 00-0420	EA	5" Cable Canopy With #18/5 SJT Cord, 96" (Cree® AC5-18/5-96-Q14B-JB)	116.85	18.94
		For >50 To 100, Deduct	*-3.71*	
		For >100 To 250, Deduct	*-6.63*	
		For >250 To 500, Deduct	*-11.69*	
		For >500, Deduct	*-16.74*	
26 51 19 00-0421	EA	5" Cable Canopy With #12/3 SJT Cord, 48" (Cree® AC5-12/3-48-Q14B-JB)	98.88	18.94
		For >50 To 100, Deduct	*-3.26*	
		For >100 To 250, Deduct	*-5.73*	
		For >250 To 500, Deduct	*-9.89*	
		For >500, Deduct	*-14.04*	
26 51 19 00-0422	EA	5" Cable Canopy With #12/3 SJT Cord, 72" (Cree® AC5-12/3-72-Q14B-JB)	150.49	18.94
		For >50 To 100, Deduct	*-4.55*	
		For >100 To 250, Deduct	*-8.31*	
		For >250 To 500, Deduct	*-15.05*	
		For >500, Deduct	*-21.78*	
26 51 19 00-0423	EA	Set Of End Caps, One With Power Feed, One Without (Cree® LN-EC)	76.45	18.94
		For >50 To 100, Deduct	*-2.70*	
		For >100 To 250, Deduct	*-4.61*	
		For >250 To 500, Deduct	*-7.65*	
		For >500, Deduct	*-10.68*	
26 51 19 00-0424	EA	Canopy Kit With Aircraft Cable And Opening For Power Feed (Cree® LN-CK-5-AC)	94.40	18.94
		For >50 To 100, Deduct	*-3.15*	
		For >100 To 250, Deduct	*-5.51*	
		For >250 To 500, Deduct	*-9.44*	
		For >500, Deduct	*-13.37*	
26 51 19 00-0425	EA	Canopy Kit With Aircraft Cable No Opening For Power Feed (Cree® LN-CK-0-AC)	71.97	18.94
		For >50 To 100, Deduct	*-2.59*	
		For >100 To 250, Deduct	*-4.39*	
		For >250 To 500, Deduct	*-7.20*	
		For >500, Deduct	*-10.01*	
26 51 19 00-0426	EA	Emergency 125W Inverter, Ceiling Installed (Cree® ELI-125W)	1,471.55	46.07
		For >50 To 100, Deduct	*-38.52*	
		For >100 To 250, Deduct	*-75.31*	
		For >250 To 500, Deduct	*-147.16*	
		For >500, Deduct	*-219.00*	
26 51 19 00-0427	EA	120 Volt, Emergency Relay For Use With Generator Power (Cree® EL-SR-120)	517.88	46.07
		For >50 To 100, Deduct	*-14.67*	
		For >100 To 250, Deduct	*-27.62*	
		For >250 To 500, Deduct	*-51.79*	
		For >500, Deduct	*-75.95*	

26 51 19 00-0428 LED Linear Low Bay Fixtures (Lithonia MSL) *(26 51 19 00-0385)*

Note: Includes 3,500K, 4,000K or 5,000K color temperature, 120/277 voltage and steel housing assembly. Excludes sensors.

26 51 19 00-0429	EA	4,000 Lumens, 4' Length, LED Linear Low Bay Fixture (Lithonia MSL)	1,005.89	69.11
		For >50 To 100, Deduct	*-28.03*	
		For >100 To 250, Deduct	*-53.17*	
		For >250 To 500, Deduct	*-100.59*	
		For >500, Deduct	*-148.00*	

26 51 19 00-0430 High Bay LED Fixtures *(26 51 19 00-0001)*

26 51 19 00-0431 LED High Bay Fixtures (Columbia Lighting LWS) *(26 51 19 00-0430)*

26 51 19 00-0432	EA	16" x 24", 7,909 Lumens, 58.8 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-LW-W-EU)	506.76	126.70
		For >50 To 100, Deduct	*-19.00*	
		For >100 To 250, Deduct	*-31.67*	
		For >250 To 500, Deduct	*-50.68*	
		For >500, Deduct	*-69.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0433	EA	16" x 24", 8,526 Lumens, 58.8 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-LW-W-EU)	506.76	126.70
		For >50 To 100, Deduct	*-19.00*	
		For >100 To 250, Deduct	*-31.67*	
		For >250 To 500, Deduct	*-50.68*	
		For >500, Deduct	*-69.68*	
26 51 19 00-0434	EA	16" x 24", 11,812 Lumens, 82.9 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-ML-W-EU)	567.57	126.70
		For >50 To 100, Deduct	*-20.52*	
		For >100 To 250, Deduct	*-34.71*	
		For >250 To 500, Deduct	*-56.76*	
		For >500, Deduct	*-78.80*	
26 51 19 00-0435	EA	16" x 24", 12,734 Lumens, 82.9 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-ML-W-EU)	567.57	126.70
		For >50 To 100, Deduct	*-20.52*	
		For >100 To 250, Deduct	*-34.71*	
		For >250 To 500, Deduct	*-56.76*	
		For >500, Deduct	*-78.80*	
26 51 19 00-0436	EA	16" x 24", 14,813 Lumens, 112.5 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-HL-W-EU)	668.92	126.70
		For >50 To 100, Deduct	*-23.06*	
		For >100 To 250, Deduct	*-39.78*	
		For >250 To 500, Deduct	*-66.89*	
		For >500, Deduct	*-94.00*	
26 51 19 00-0437	EA	16" x 24", 15,968 Lumens, 112.5 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-HL-W-EU)	668.92	126.70
		For >50 To 100, Deduct	*-23.06*	
		For >100 To 250, Deduct	*-39.78*	
		For >250 To 500, Deduct	*-66.89*	
		For >500, Deduct	*-94.00*	
26 51 19 00-0438	EA	16" x 24", 18,714 Lumens, 137.1 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-VL-W-EU)	709.46	126.70
		For >50 To 100, Deduct	*-24.07*	
		For >100 To 250, Deduct	*-41.81*	
		For >250 To 500, Deduct	*-70.95*	
		For >500, Deduct	*-100.08*	
26 51 19 00-0439	EA	16" x 24", 19,511 Lumens, 137.1 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-VL-W-EU)	709.46	126.70
		For >50 To 100, Deduct	*-24.07*	
		For >100 To 250, Deduct	*-41.81*	
		For >250 To 500, Deduct	*-70.95*	
		For >500, Deduct	*-100.08*	
26 51 19 00-0440	EA	16" x 24", 22,994 Lumens, 174 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-XL-W-EU)	739.86	126.70
		For >50 To 100, Deduct	*-24.83*	
		For >100 To 250, Deduct	*-43.33*	
		For >250 To 500, Deduct	*-73.99*	
		For >500, Deduct	*-104.64*	
26 51 19 00-0441	EA	16" x 24", 24,787 Lumens, 174 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-XL-W-EU)	739.86	126.70
		For >50 To 100, Deduct	*-24.83*	
		For >100 To 250, Deduct	*-43.33*	
		For >250 To 500, Deduct	*-73.99*	
		For >500, Deduct	*-104.64*	

26 51 19 00-0442 LED High Bay Fixtures (Cree) *(26 51 19 00-0430)*

26 51 19 00-0443 LED High Bay Fixtures (CREE®) *(26 51 19 00-0442)*

26 51 19 00-0444	EA	18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UL-10V)	899.98	126.70
		For >50 To 100, Deduct	*-28.83*	
		For >100 To 250, Deduct	*-51.33*	
		For >250 To 500, Deduct	*-90.00*	
		For >500, Deduct	*-128.66*	
26 51 19 00-0445	EA	18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UL-ML)	1,083.64	126.70
		For >50 To 100, Deduct	*-33.43*	
		For >100 To 250, Deduct	*-60.52*	
		For >250 To 500, Deduct	*-108.36*	
		For >500, Deduct	*-156.21*	
26 51 19 00-0446	EA	18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UH-10V)	993.90	126.70
		For >50 To 100, Deduct	*-31.18*	
		For >100 To 250, Deduct	*-56.03*	
		For >250 To 500, Deduct	*-99.39*	
		For >500, Deduct	*-142.75*	
26 51 19 00-0447	EA	18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UH-ML)	1,139.75	126.70
		For >50 To 100, Deduct	*-34.83*	
		For >100 To 250, Deduct	*-63.32*	
		For >250 To 500, Deduct	*-113.98*	
		For >500, Deduct	*-164.63*	
26 51 19 00-0448	EA	24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UL-10V)	932.41	126.70
		For >50 To 100, Deduct	*-29.65*	
		For >100 To 250, Deduct	*-52.96*	
		For >250 To 500, Deduct	*-93.24*	
		For >500, Deduct	*-133.53*	
26 51 19 00-0449	EA	24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UL-ML)	1,117.30	126.70
		For >50 To 100, Deduct	*-34.27*	
		For >100 To 250, Deduct	*-62.20*	
		For >250 To 500, Deduct	*-111.73*	
		For >500, Deduct	*-161.26*	
26 51 19 00-0450	EA	24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UH-10V)	1,027.55	126.70
		For >50 To 100, Deduct	*-32.02*	
		For >100 To 250, Deduct	*-57.71*	
		For >250 To 500, Deduct	*-102.76*	
		For >500, Deduct	*-147.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0451	EA	24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UH-ML)	1,173.40	126.70
		For >50 To 100, Deduct	*-35.67*	
		For >100 To 250, Deduct	*-65.01*	
		For >250 To 500, Deduct	*-117.34*	
		For >500, Deduct	*-169.68*	

26 51 19 00-0452 Accessories For LED High Bay Fixtures (CREE®) *(26 51 19 00-0442)*

26 51 19 00-0453	EA	15 Amperes, 120 Volt, Straight Blade Plug For LED High Bay Fixtures (Cree® AP-515P)	65.23	18.94
		For >50 To 100, Deduct	*-2.42*	
		For >100 To 250, Deduct	*-4.05*	
		For >250 To 500, Deduct	*-6.52*	
		For >500, Deduct	*-9.00*	
26 51 19 00-0454	EA	15 Amperes, 120 Volt, Twist Lock Plug For LED High Bay Fixtures (Cree® AP-L515P)	65.23	18.94
		For >50 To 100, Deduct	*-2.42*	
		For >100 To 250, Deduct	*-4.05*	
		For >250 To 500, Deduct	*-6.52*	
		For >500, Deduct	*-9.00*	
26 51 19 00-0455	EA	16" Matte Spun Aluminum Reflector For LED High Bay Fixture (Cree® CXBA16N)	87.66	18.94
		For >50 To 100, Deduct	*-2.98*	
		For >100 To 250, Deduct	*-5.17*	
		For >250 To 500, Deduct	*-8.77*	
		For >500, Deduct	*-12.36*	
26 51 19 00-0456	EA	16" Clear Acrylic Reflector For LED High Bay Fixture (Cree® CXBP16)	132.54	18.94
		For >50 To 100, Deduct	*-4.10*	
		For >100 To 250, Deduct	*-7.42*	
		For >250 To 500, Deduct	*-13.25*	
		For >500, Deduct	*-19.09*	
26 51 19 00-0457	EA	16" White Acrylic Reflector For LED High Bay Fixture (Cree® CXBW16)	154.99	18.94
		For >50 To 100, Deduct	*-4.66*	
		For >100 To 250, Deduct	*-8.54*	
		For >250 To 500, Deduct	*-15.50*	
		For >500, Deduct	*-22.46*	
26 51 19 00-0458	EA	16" Clear Prismatic Conical Lens For Prismatic And Acrylic Reflectors For LED High Bay Fixtures (Cree® CL16)	87.66	18.94
		For >50 To 100, Deduct	*-2.98*	
		For >100 To 250, Deduct	*-5.17*	
		For >250 To 500, Deduct	*-8.77*	
		For >500, Deduct	*-12.36*	
26 51 19 00-0459	EA	16" Clear Prismatic Drop Lens For Prismatic And Acrylic Reflectors For LED High Bay Fixtures (Cree® DL16)	89.92	18.94
		For >50 To 100, Deduct	*-3.04*	
		For >100 To 250, Deduct	*-5.29*	
		For >250 To 500, Deduct	*-8.99*	
		For >500, Deduct	*-12.70*	
26 51 19 00-0460	EA	16" Wire Guard For Aluminum Reflector For LED High Bay Fixtures (Cree® WG-A)	65.23	18.94
		For >50 To 100, Deduct	*-2.42*	
		For >100 To 250, Deduct	*-4.05*	
		For >250 To 500, Deduct	*-6.52*	
		For >500, Deduct	*-9.00*	
26 51 19 00-0461	EA	16" Wire Guard For Prismatic And Acrylic Reflector For LED High Bay Fixtures (Cree® WG-AP)	69.72	18.94
		For >50 To 100, Deduct	*-2.53*	
		For >100 To 250, Deduct	*-4.28*	
		For >250 To 500, Deduct	*-6.97*	
		For >500, Deduct	*-9.67*	
26 51 19 00-0462	EA	5' Galvanized Safety Cable For LED High Bay Fixtures (Cree® SC-5)	45.04	18.94
		For >50 To 100, Deduct	*-1.92*	
		For >100 To 250, Deduct	*-3.04*	
		For >250 To 500, Deduct	*-4.50*	
		For >500, Deduct	*-5.97*	
26 51 19 00-0463	EA	10' Galvanized Safety Cable For LED High Bay Fixtures (Cree® SC-10)	47.29	18.94
		For >50 To 100, Deduct	*-1.97*	
		For >100 To 250, Deduct	*-3.15*	
		For >250 To 500, Deduct	*-4.73*	
		For >500, Deduct	*-6.30*	

26 51 19 00-0464 LED High Bay Fixtures (DLE) *(26 51 19 00-0430)*

26 51 19 00-0465	EA	12,000 Lumens, 120 Watt, LED High Bay Fixture (DLE-12-ST/HV)	1,475.90	126.70
		For >50 To 100, Deduct	*-43.23*	
		For >100 To 250, Deduct	*-80.13*	
		For >250 To 500, Deduct	*-147.59*	
		For >500, Deduct	*-215.05*	
26 51 19 00-0466	EA	18,000 Lumens, 180 Watt, LED High Bay Fixture (DLE-18-ST/HV)	1,812.69	126.70
		For >50 To 100, Deduct	*-51.65*	
		For >100 To 250, Deduct	*-96.97*	
		For >250 To 500, Deduct	*-181.27*	
		For >500, Deduct	*-265.57*	
26 51 19 00-0467	EA	24,000 Lumens, 230 Watt, LED High Bay Fixture (DLE-24-ST/HV)	2,125.42	126.70
		For >50 To 100, Deduct	*-59.47*	
		For >100 To 250, Deduct	*-112.61*	
		For >250 To 500, Deduct	*-212.54*	
		For >500, Deduct	*-312.48*	

26 51 19 00-0468 LED High Bay Fixtures (Everlast) *(26 51 19 00-0430)*

26 51 19 00-0469 LED High Bay Fixtures (Everlast EL-LED-LG) *(26 51 19 00-0468)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0470	EA	13,500 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AC)	996.96	126.70
		For >50 To 100, Deduct	*-31.26*	
		For >100 To 250, Deduct	*-56.18*	
		For >250 To 500, Deduct	*-99.70*	
		For >500, Deduct	*-143.21*	
26 51 19 00-0471	EA	13,500 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AO)	1,053.82	126.70
		For >50 To 100, Deduct	*-32.68*	
		For >100 To 250, Deduct	*-59.03*	
		For >250 To 500, Deduct	*-105.38*	
		For >500, Deduct	*-151.74*	
26 51 19 00-0472	EA	15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL16)	940.10	126.70
		For >50 To 100, Deduct	*-29.84*	
		For >100 To 250, Deduct	*-53.34*	
		For >250 To 500, Deduct	*-94.01*	
		For >500, Deduct	*-134.68*	
26 51 19 00-0473	EA	15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL22)	964.16	126.70
		For >50 To 100, Deduct	*-30.44*	
		For >100 To 250, Deduct	*-54.54*	
		For >250 To 500, Deduct	*-96.42*	
		For >500, Deduct	*-138.29*	
26 51 19 00-0474	EA	17,500 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AC)	1,095.37	126.70
		For >50 To 100, Deduct	*-33.72*	
		For >100 To 250, Deduct	*-61.10*	
		For >250 To 500, Deduct	*-109.54*	
		For >500, Deduct	*-157.97*	
26 51 19 00-0475	EA	17,500 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AO)	1,193.78	126.70
		For >50 To 100, Deduct	*-36.18*	
		For >100 To 250, Deduct	*-66.02*	
		For >250 To 500, Deduct	*-119.38*	
		For >500, Deduct	*-172.73*	
26 51 19 00-0476	EA	20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL16)	1,042.89	126.70
		For >50 To 100, Deduct	*-32.41*	
		For >100 To 250, Deduct	*-58.48*	
		For >250 To 500, Deduct	*-104.29*	
		For >500, Deduct	*-150.10*	
26 51 19 00-0477	EA	20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL22)	1,128.18	126.70
		For >50 To 100, Deduct	*-34.54*	
		For >100 To 250, Deduct	*-62.74*	
		For >250 To 500, Deduct	*-112.82*	
		For >500, Deduct	*-162.89*	
26 51 19 00-0478	EA	34,000 Lumens, 300 Watt, LED High Bay Fixture (Everlast EL-LED-LG-HW, AL30)	1,642.11	126.70
		For >50 To 100, Deduct	*-47.39*	
		For >100 To 250, Deduct	*-88.44*	
		For >250 To 500, Deduct	*-164.21*	
		For >500, Deduct	*-239.98*	
26 51 19 00-0479	EA	43,000 Lumens, 400 Watt, LED High Bay Fixture (Everlast EL-LED-LG-HW, AL30)	1,795.19	126.70
		For >50 To 100, Deduct	*-51.21*	
		For >100 To 250, Deduct	*-96.09*	
		For >250 To 500, Deduct	*-179.52*	
		For >500, Deduct	*-262.94*	
26 51 19 00-0480	EA	66,000 Lumens, 600 Watt, LED High Bay Fixture (Everlast EL-LED-LG-HW, AL30)	2,232.58	126.70
		For >50 To 100, Deduct	*-62.15*	
		For >100 To 250, Deduct	*-117.96*	
		For >250 To 500, Deduct	*-223.26*	
		For >500, Deduct	*-328.55*	

26 51 19 00-0481 LED High Bay Fixtures (Everlast EL-LED-CS) *(26 51 19 00-0468)*

26 51 19 00-0482	EA	5,000 Lumens, 50 Watt, LED High Bay Fixture (Everlast EL-LED-CS)	625.18	126.70
		For >50 To 100, Deduct	*-21.96*	
		For >100 To 250, Deduct	*-37.59*	
		For >250 To 500, Deduct	*-62.52*	
		For >500, Deduct	*-87.44*	
26 51 19 00-0483	EA	10,000 Lumens, 100 Watt, LED High Bay Fixture (Everlast EL-LED-CS)	920.42	126.70
		For >50 To 100, Deduct	*-29.35*	
		For >100 To 250, Deduct	*-52.36*	
		For >250 To 500, Deduct	*-92.04*	
		For >500, Deduct	*-131.73*	
26 51 19 00-0484	EA	15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-CS)	1,051.63	126.70
		For >50 To 100, Deduct	*-32.63*	
		For >100 To 250, Deduct	*-58.92*	
		For >250 To 500, Deduct	*-105.16*	
		For >500, Deduct	*-151.41*	
26 51 19 00-0485	EA	20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-CS)	1,204.72	126.70
		For >50 To 100, Deduct	*-36.45*	
		For >100 To 250, Deduct	*-66.57*	
		For >250 To 500, Deduct	*-120.47*	
		For >500, Deduct	*-174.37*	
26 51 19 00-0486	EA	30,000 Lumens, 300 Watt, LED High Bay Fixture (Everlast EL-LED-CS)	1,303.13	126.70
		For >50 To 100, Deduct	*-38.91*	
		For >100 To 250, Deduct	*-71.49*	
		For >250 To 500, Deduct	*-130.31*	
		For >500, Deduct	*-189.13*	

26 51 19 00-0487 LED High Bay Fixtures (Everlast EL-LED-HB-LG) *(26 51 19 00-0468)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0488	EA	10,000 Lumens, 100 Watt, LED High Bay Fixture (Everlast EL-LED-HB-LG)	822.00	126.70
		For >50 To 100, Deduct	*-26.89*	
		For >100 To 250, Deduct	*-47.44*	
		For >250 To 500, Deduct	*-82.20*	
		For >500, Deduct	*-116.97*	
26 51 19 00-0489	EA	15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-HB-LG)	876.68	126.70
		For >50 To 100, Deduct	*-28.25*	
		For >100 To 250, Deduct	*-50.17*	
		For >250 To 500, Deduct	*-87.67*	
		For >500, Deduct	*-125.17*	
26 51 19 00-0490	EA	20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-HB-LG)	953.22	126.70
		For >50 To 100, Deduct	*-30.17*	
		For >100 To 250, Deduct	*-54.00*	
		For >250 To 500, Deduct	*-95.32*	
		For >500, Deduct	*-136.65*	

26 51 19 00-0491 LED High Bay Fixtures (Everlast EL-LED-LHB) *(26 51 19 00-0468)*

26 51 19 00-0492	EA	13,000 Lumens, 100 Watt, LED High Bay Fixture (Everlast EL-LED-LHB)	835.13	126.70
		For >50 To 100, Deduct	*-27.21*	
		For >100 To 250, Deduct	*-48.09*	
		For >250 To 500, Deduct	*-83.51*	
		For >500, Deduct	*-118.93*	
26 51 19 00-0493	EA	26,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LHB)	1,029.76	126.70
		For >50 To 100, Deduct	*-32.08*	
		For >100 To 250, Deduct	*-57.82*	
		For >250 To 500, Deduct	*-102.98*	
		For >500, Deduct	*-148.13*	
26 51 19 00-0494	EA	39,000 Lumens, 300 Watt, LED High Bay Fixture (Everlast EL-LED-LHB)	1,281.26	126.70
		For >50 To 100, Deduct	*-38.37*	
		For >100 To 250, Deduct	*-70.40*	
		For >250 To 500, Deduct	*-128.13*	
		For >500, Deduct	*-185.85*	

26 51 19 00-0495 LED High Bay Fixtures (Lithonia IBG) *(26 51 19 00-0430)*

26 51 19 00-0496	EA	8,000 Lumens, 48 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 8000LM SEF ACL GND MVOLT)	465.66	124.39
		For >50 To 100, Deduct	*-16.37*	
		For >100 To 250, Deduct	*-28.01*	
		For >250 To 500, Deduct	*-46.57*	
		For >500, Deduct	*-65.12*	
26 51 19 00-0497	EA	12,000 Lumens, 76 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 12000LM SEF ACL GND MVOLT)	484.45	124.39
		For >50 To 100, Deduct	*-16.84*	
		For >100 To 250, Deduct	*-28.95*	
		For >250 To 500, Deduct	*-48.45*	
		For >500, Deduct	*-67.94*	
26 51 19 00-0498	EA	15,000 Lumens, 93 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 15000LM SEF ACL GND MVOLT)	526.73	124.39
		For >50 To 100, Deduct	*-17.90*	
		For >100 To 250, Deduct	*-31.07*	
		For >250 To 500, Deduct	*-52.67*	
		For >500, Deduct	*-74.28*	
26 51 19 00-0499	EA	18,000 Lumens, 105 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 18000LM SEF ACL GND MVOLT)	593.48	124.39
		For >50 To 100, Deduct	*-19.57*	
		For >100 To 250, Deduct	*-34.41*	
		For >250 To 500, Deduct	*-59.35*	
		For >500, Deduct	*-84.29*	
26 51 19 00-0500	EA	24,000 Lumens, 144 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 24000LM SEF ACL GND MVOLT)	647.82	124.39
		For >50 To 100, Deduct	*-20.93*	
		For >100 To 250, Deduct	*-37.12*	
		For >250 To 500, Deduct	*-64.78*	
		For >500, Deduct	*-92.44*	
26 51 19 00-0501	EA	30,000 Lumens, 178 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 30000LM SEF ACL GND MVOLT)	775.57	124.39
		For >50 To 100, Deduct	*-24.12*	
		For >100 To 250, Deduct	*-43.51*	
		For >250 To 500, Deduct	*-77.56*	
		For >500, Deduct	*-111.60*	
26 51 19 00-0502	EA	36,000 Lumens, 218 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 36000LM SEF ACL GND MVOLT)	938.66	124.39
		For >50 To 100, Deduct	*-28.20*	
		For >100 To 250, Deduct	*-51.66*	
		For >250 To 500, Deduct	*-93.87*	
		For >500, Deduct	*-136.07*	
26 51 19 00-0503	EA	48,000 Lumens, 284 Watt, 47.29" Length, LED High Bay Fixture (Lithonia IBG 48000LM SEF ACL GND MVOLT)	1,354.40	126.70
		For >50 To 100, Deduct	*-40.20*	
		For >100 To 250, Deduct	*-74.06*	
		For >250 To 500, Deduct	*-135.44*	
		For >500, Deduct	*-196.83*	

26 51 19 00-0504 LED High Bay Fixtures (Lithonia IBL) *(26 51 19 00-0430)*

26 51 19 00-0505	EA	9,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 9L)	642.22	126.70
		For >50 To 100, Deduct	*-22.39*	
		For >100 To 250, Deduct	*-38.45*	
		For >250 To 500, Deduct	*-64.22*	
		For >500, Deduct	*-90.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0506	EA	12,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 12L)	692.89	126.70
		For >50 To 100, Deduct	*-23.66*	
		For >100 To 250, Deduct	*-40.98*	
		For >250 To 500, Deduct	*-69.29*	
		For >500, Deduct	*-97.60*	
26 51 19 00-0507	EA	18,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 18L)	829.71	126.70
		For >50 To 100, Deduct	*-27.08*	
		For >100 To 250, Deduct	*-47.82*	
		For >250 To 500, Deduct	*-82.97*	
		For >500, Deduct	*-118.12*	
26 51 19 00-0508	EA	24,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 24L)	884.43	126.70
		For >50 To 100, Deduct	*-28.45*	
		For >100 To 250, Deduct	*-50.56*	
		For >250 To 500, Deduct	*-88.44*	
		For >500, Deduct	*-126.33*	

26 51 19 00-0509 LED High Bay Fixtures (Metalux SSLED) *(26 51 19 00-0430)*

26 51 19 00-0510	EA	12,000 Lumens, 80 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-12-M-UNV-L840-CD1U)	763.27	126.70
		For >50 To 100, Deduct	*-25.42*	
		For >100 To 250, Deduct	*-44.50*	
		For >250 To 500, Deduct	*-76.33*	
		For >500, Deduct	*-108.16*	
26 51 19 00-0511	EA	15,000 Lumens, 100 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-15-M-UNV-L840-CD1U)	783.30	126.70
		For >50 To 100, Deduct	*-25.92*	
		For >100 To 250, Deduct	*-45.50*	
		For >250 To 500, Deduct	*-78.33*	
		For >500, Deduct	*-111.16*	
26 51 19 00-0512	EA	18,000 Lumens, 120 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-18-M-UNV-L840-CD1U)	791.37	126.70
		For >50 To 100, Deduct	*-26.12*	
		For >100 To 250, Deduct	*-45.90*	
		For >250 To 500, Deduct	*-79.14*	
		For >500, Deduct	*-112.37*	
26 51 19 00-0513	EA	24,000 Lumens, 160 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-24-M-UNV-L840-CD1U)	868.17	126.70
		For >50 To 100, Deduct	*-28.04*	
		For >100 To 250, Deduct	*-49.74*	
		For >250 To 500, Deduct	*-86.82*	
		For >500, Deduct	*-123.89*	
26 51 19 00-0514	EA	30,000 Lumens, 200 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-30-M-UNV-L840-CD1U)	957.63	126.70
		For >50 To 100, Deduct	*-30.28*	
		For >100 To 250, Deduct	*-54.22*	
		For >250 To 500, Deduct	*-95.76*	
		For >500, Deduct	*-137.31*	
26 51 19 00-0515	EA	36,000 Lumens, 240 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-36-M-UNV-L840-CD1U)	991.20	126.70
		For >50 To 100, Deduct	*-31.12*	
		For >100 To 250, Deduct	*-55.90*	
		For >250 To 500, Deduct	*-99.12*	
		For >500, Deduct	*-142.35*	

26 51 19 00-0516 LED High Bay Fixtures (PlanLED) *(26 51 19 00-0430)*

26 51 19 00-0517 LED High Bay Fixtures (PlanLED LUNA) *(26 51 19 00-0516)*

Note: Includes aluminum alloy chassis.

26 51 19 00-0518	EA	7,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN70)	970.72	126.70
		For >50 To 100, Deduct	*-30.60*	
		For >100 To 250, Deduct	*-54.87*	
		For >250 To 500, Deduct	*-97.07*	
		For >500, Deduct	*-139.27*	
26 51 19 00-0519	EA	9,800 Lumens, LED High Bay Fixture (PlanLED LUNA LN98)	1,093.18	126.70
		For >50 To 100, Deduct	*-33.66*	
		For >100 To 250, Deduct	*-60.99*	
		For >250 To 500, Deduct	*-109.32*	
		For >500, Deduct	*-157.64*	
26 51 19 00-0520	EA	13,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN130)	1,270.33	126.70
		For >50 To 100, Deduct	*-38.09*	
		For >100 To 250, Deduct	*-69.85*	
		For >250 To 500, Deduct	*-127.03*	
		For >500, Deduct	*-184.21*	
26 51 19 00-0521	EA	16,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN160)	1,443.10	126.70
		For >50 To 100, Deduct	*-42.41*	
		For >100 To 250, Deduct	*-78.49*	
		For >250 To 500, Deduct	*-144.31*	
		For >500, Deduct	*-210.13*	

26 51 19 00-0522 LED High Bay Fixtures (PlanLED IBL) *(26 51 19 00-0516)*

Note: Includes aluminum alloy chassis.

26 51 19 00-0523	EA	13,650 Lumens, 130 Watt, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 130W)	1,058.19	126.70
		For 480 Volt, Add	*61.39*	
		For >50 To 100, Deduct	*-32.79*	
		For >100 To 250, Deduct	*-59.24*	
		For >250 To 500, Deduct	*-105.82*	
		For >500, Deduct	*-152.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0524	EA	21,000 Lumens, 200 Watt, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 200W)	1,484.65	126.70
		For 480 Volt, Add	*77.79*	
		For >50 To 100, Deduct	*-43.45*	
		For >100 To 250, Deduct	*-80.57*	
		For >250 To 500, Deduct	*-148.47*	
		For >500, Deduct	*-216.36*	
26 51 19 00-0525	EA	42,000 Lumens, 400 Watt, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 400W)	2,659.03	126.70
		For 480 Volt, Add	*123.44*	
		For >50 To 100, Deduct	*-72.81*	
		For >100 To 250, Deduct	*-139.29*	
		For >250 To 500, Deduct	*-265.90*	
		For >500, Deduct	*-392.52*	

26 51 19 00-0526 LED High Bay Fixtures (PlanLED SEGA) *(26 51 19 00-0516)*

Note: Includes aluminum alloy chassis.

26 51 19 00-0527	EA	10,400 Lumens, 80 Watt, LED High Bay Fixture (PlanLED SEGA SE080)	828.57	126.70
		For 0 To 10 Volt Dimming, Add	*94.53*	
		For >50 To 100, Deduct	*-27.05*	
		For >100 To 250, Deduct	*-47.76*	
		For >250 To 500, Deduct	*-82.86*	
		For >500, Deduct	*-117.95*	
26 51 19 00-0528	EA	13,000 Lumens, 100 Watt, LED High Bay Fixture (PlanLED SEGA SE100)	887.61	126.70
		For 0 To 10 Volt Dimming, Add	*94.53*	
		For >50 To 100, Deduct	*-28.53*	
		For >100 To 250, Deduct	*-50.72*	
		For >250 To 500, Deduct	*-88.76*	
		For >500, Deduct	*-126.81*	
26 51 19 00-0529	EA	16,900 Lumens, 130 Watt, LED High Bay Fixture (PlanLED SEGA SE130)	1,091.00	126.70
		For 0 To 10 Volt Dimming, Add	*94.53*	
		For >50 To 100, Deduct	*-33.61*	
		For >100 To 250, Deduct	*-60.89*	
		For >250 To 500, Deduct	*-109.10*	
		For >500, Deduct	*-157.32*	
26 51 19 00-0530	EA	20,800 Lumens, 160 Watt, LED High Bay Fixture (PlanLED SEGA SE160)	1,237.52	126.70
		For 0 To 10 Volt Dimming, Add	*94.53*	
		For >50 To 100, Deduct	*-37.27*	
		For >100 To 250, Deduct	*-68.21*	
		For >250 To 500, Deduct	*-123.75*	
		For >500, Deduct	*-179.29*	
26 51 19 00-0531	EA	50,000 Lumens, 400 Watt, Array, LED High Bay Fixture (PlanLED SEGA SE400)	2,317.87	126.70
		For >50 To 100, Deduct	*-64.28*	
		For >100 To 250, Deduct	*-122.23*	
		For >250 To 500, Deduct	*-231.79*	
		For >500, Deduct	*-341.35*	
26 51 19 00-0532	EA	57,040 Lumens, 500 Watt, Array, LED High Bay Fixture (PlanLED SEGA SE500)	2,510.32	126.70
		For >50 To 100, Deduct	*-69.09*	
		For >100 To 250, Deduct	*-131.85*	
		For >250 To 500, Deduct	*-251.03*	
		For >500, Deduct	*-370.21*	
26 51 19 00-0533	EA	80,000 Lumens, 640 Watt, Array, LED High Bay Fixture (PlanLED SEGA SE640)	3,835.34	126.70
		For >50 To 100, Deduct	*-102.22*	
		For >100 To 250, Deduct	*-198.10*	
		For >250 To 500, Deduct	*-383.53*	
		For >500, Deduct	*-568.97*	

26 51 19 00-0534 Wet/Hazardous Location, LED Fixtures *(26 51 19 00-0001)*

26 51 19 00-0535 Wet Location, LED Fixtures *(26 51 19 00-0534)*

26 51 19 00-0536 Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM) *(26 51 19 00-0535)*

Note: Includes 5,600K CRI LED arrays, heat and impact resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

26 51 19 00-0537	EA	3,531 Lumens, 29 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM3L)	2,717.53	96.75
		For Ceiling Mount, Add	*23.84*	
		For Quick Clip Mounting Option, Add	*35.05*	
		For Frosted Lens, Add	*75.38*	
		For Warm White Color Rendering, Add	*97.03*	
		For Stanchion Mount, Add	*162.62*	
		For Wall Mount, Add	*180.02*	
		For Polycarbonate Lens, Add	*139.71*	
		For Teflon Coated Lens, Add	*159.99*	
		For 480 Volt, Add	*228.54*	
		For >50 To 100, Deduct	*-71.97*	
		For >100 To 250, Deduct	*-139.91*	
		For >250 To 500, Deduct	*-271.75*	
		For >500, Deduct	*-403.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0538	EA	5,335 Lumens, 43 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM5L)	2,769.34	103.66
		For Ceiling Mount, Add	*23.84*	
		For Quick Clip Mounting Option, Add	*35.05*	
		For Frosted Lens, Add	*75.38*	
		For Warm White Color Rendering, Add	*97.03*	
		For Stanchion Mount, Add	*162.62*	
		For Wall Mount, Add	*180.02*	
		For Polycarbonate Lens, Add	*139.71*	
		For Teflon Coated Lens, Add	*159.99*	
		For 480 Volt, Add	*228.54*	
		For >50 To 100, Deduct	*-73.55*	
		For >100 To 250, Deduct	*-142.79*	
		For >250 To 500, Deduct	*-276.93*	
		For >500, Deduct	*-411.08*	
26 51 19 00-0539	EA	7,195 Lumens, 62 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM7L)	3,127.70	110.57
		For Ceiling Mount, Add	*23.84*	
		For Quick Clip Mounting Option, Add	*35.05*	
		For Frosted Lens, Add	*75.38*	
		For Warm White Color Rendering, Add	*97.03*	
		For Stanchion Mount, Add	*162.62*	
		For Wall Mount, Add	*180.02*	
		For Polycarbonate Lens, Add	*139.71*	
		For Teflon Coated Lens, Add	*159.99*	
		For 480 Volt, Add	*228.54*	
		For >50 To 100, Deduct	*-82.80*	
		For >100 To 250, Deduct	*-160.99*	
		For >250 To 500, Deduct	*-312.77*	
		For >500, Deduct	*-464.55*	
26 51 19 00-0540	EA	9,266 Lumens, 85 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM9L)	3,767.40	117.49
		For Ceiling Mount, Add	*23.84*	
		For Quick Clip Mounting Option, Add	*35.05*	
		For Frosted Lens, Add	*75.38*	
		For Warm White Color Rendering, Add	*97.03*	
		For Stanchion Mount, Add	*162.62*	
		For Wall Mount, Add	*180.02*	
		For Polycarbonate Lens, Add	*139.71*	
		For Teflon Coated Lens, Add	*159.99*	
		For 480 Volt, Add	*228.54*	
		For >50 To 100, Deduct	*-99.08*	
		For >100 To 250, Deduct	*-193.27*	
		For >250 To 500, Deduct	*-376.74*	
		For >500, Deduct	*-560.21*	
26 51 19 00-0541	EA	11,440 Lumens, 113 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM11L)	4,808.99	124.39
		For Ceiling Mount, Add	*23.84*	
		For Quick Clip Mounting Option, Add	*35.05*	
		For Frosted Lens, Add	*75.38*	
		For Warm White Color Rendering, Add	*97.03*	
		For Stanchion Mount, Add	*162.62*	
		For Wall Mount, Add	*180.02*	
		For Polycarbonate Lens, Add	*139.71*	
		For Teflon Coated Lens, Add	*159.99*	
		For 480 Volt, Add	*228.54*	
		For >50 To 100, Deduct	*-125.41*	
		For >100 To 250, Deduct	*-245.63*	
		For >250 To 500, Deduct	*-480.90*	
		For >500, Deduct	*-716.17*	
26 51 19 00-0542	EA	13,226 Lumens, 131 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM11L)	6,333.73	127.85
		For Ceiling Mount, Add	*23.84*	
		For Quick Clip Mounting Option, Add	*35.05*	
		For Frosted Lens, Add	*75.38*	
		For Warm White Color Rendering, Add	*97.03*	
		For Stanchion Mount, Add	*162.62*	
		For Wall Mount, Add	*180.02*	
		For Polycarbonate Lens, Add	*139.71*	
		For Teflon Coated Lens, Add	*159.99*	
		For 480 Volt, Add	*228.54*	
		For >50 To 100, Deduct	*-163.67*	
		For >100 To 250, Deduct	*-322.01*	
		For >250 To 500, Deduct	*-633.37*	
		For >500, Deduct	*-944.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0543	EA	18,793 Lumens, 168 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM17L)	7,338.39	131.30
		For Ceiling Mount, Add	*23.84*	
		For Quick Clip Mounting Option, Add	*35.05*	
		For Frosted Lens, Add	*75.38*	
		For Warm White Color Rendering, Add	*97.03*	
		For Stanchion Mount, Add	*162.62*	
		For Wall Mount, Add	*180.02*	
		For Polycarbonate Lens, Add	*139.71*	
		For Teflon Coated Lens, Add	*159.99*	
		For 480 Volt, Add	*228.54*	
		For >50 To 100, Deduct	*-188.93*	
		For >100 To 250, Deduct	*-372.39*	
		For >250 To 500, Deduct	*-733.84*	
		For >500, Deduct	*-1,095.29*	
26 51 19 00-0544		Wet Location, NEMA 4X, LED Floodlight (Cooper Champ® Pro PFM) *(26 51 19 00-0535)*		
		Note: Includes 5,600K CRI LED arrays, shatter resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51 19 00-0545	EA	5,183 Lumens, 45 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM5L)	2,446.35	103.66
		For Bolt-On Visor, Add	*129.78*	
		For Bolt-On Wire Guard, Add	*266.93*	
		For 480 Volt, Add	*228.54*	
		For Warm White Color Rendering, Add	*97.03*	
		For >50 To 100, Deduct	*-65.48*	
		For >100 To 250, Deduct	*-126.64*	
		For >250 To 500, Deduct	*-244.64*	
		For >500, Deduct	*-362.63*	
26 51 19 00-0546	EA	7,095 Lumens, 62 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM7L)	3,617.08	110.57
		For Bolt-On Visor, Add	*129.78*	
		For Bolt-On Wire Guard, Add	*266.93*	
		For 480 Volt, Add	*228.54*	
		For Warm White Color Rendering, Add	*97.03*	
		For >50 To 100, Deduct	*-95.03*	
		For >100 To 250, Deduct	*-185.46*	
		For >250 To 500, Deduct	*-361.71*	
		For >500, Deduct	*-537.95*	
26 51 19 00-0547	EA	9,132 Lumens, 79 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM9L)	3,988.88	117.49
		For Bolt-On Visor, Add	*129.78*	
		For Bolt-On Wire Guard, Add	*266.93*	
		For 480 Volt, Add	*228.54*	
		For Warm White Color Rendering, Add	*97.03*	
		For >50 To 100, Deduct	*-104.62*	
		For >100 To 250, Deduct	*-204.34*	
		For >250 To 500, Deduct	*-398.89*	
		For >500, Deduct	*-593.44*	
26 51 19 00-0548	EA	11,107 Lumens, 99 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM11L)	4,581.45	124.39
		For Bolt-On Visor, Add	*129.78*	
		For Bolt-On Wire Guard, Add	*266.93*	
		For 480 Volt, Add	*228.54*	
		For Warm White Color Rendering, Add	*97.03*	
		For >50 To 100, Deduct	*-119.72*	
		For >100 To 250, Deduct	*-234.26*	
		For >250 To 500, Deduct	*-458.15*	
		For >500, Deduct	*-682.03*	
26 51 19 00-0549		Wet Location, NEMA 4X, Low Bay, LED Fixture (Cooper Vaporgard™ Pro P2L) *(26 51 19 00-0535)*		
		Note: Includes 5,600K CRI LED arrays, heat resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51 19 00-0550	EA	1,400 Lumens, 25 Watt, Pendant Mount, Wet Location, NEMA 4X, Low Bay, LED Fixture (Cooper Vaporgard™ Pro P2LC)	1,692.62	96.75
		For 12/24 Volt DC Driver, Add	*36.89*	
		For Frosted Lens, Add	*75.38*	
		For 55 Degree Ambient Suitability (AC Only), Add	*50.22*	
		For Warm White Color Rendering, Add	*97.03*	
		For Ceiling Mount, Add	*114.59*	
		For Wall Mount, Add	*166.19*	
		For Teflon Coated Lens, Add	*159.99*	
		For Wall Mount With Junction Box, Add	*241.42*	
		For >50 To 100, Deduct	*-46.35*	
		For >100 To 250, Deduct	*-88.66*	
		For >250 To 500, Deduct	*-169.26*	
		For >500, Deduct	*-249.86*	
26 51 19 00-0551		Vaportight, LED Fixtures *(26 51 19 00-0534)*		
26 51 19 00-0552		General Distribution, Vaportight, LED Fixtures (Metalux) *(26 51 19 00-0551)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0553	EA	2', 2,000 Lumens, 16 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-2-G-UNV-L850-CD1-U)	309.00	55.29
		For >50 To 100, Deduct	*-10.03*	
		For >100 To 250, Deduct	*-17.75*	
		For >250 To 500, Deduct	*-30.90*	
		For >500, Deduct	*-44.05*	
26 51 19 00-0554	EA	2', 3,000 Lumens, 24 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-3-G-UNV-L850-CD1-U)	321.75	55.29
		For >50 To 100, Deduct	*-10.35*	
		For >100 To 250, Deduct	*-18.39*	
		For >250 To 500, Deduct	*-32.18*	
		For >500, Deduct	*-45.96*	
26 51 19 00-0555	EA	2', 4,000 Lumens, 32 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-4-G-UNV-L850-CD1-U)	347.28	55.29
		For >50 To 100, Deduct	*-10.99*	
		For >100 To 250, Deduct	*-19.67*	
		For >250 To 500, Deduct	*-34.73*	
		For >500, Deduct	*-49.79*	
26 51 19 00-0556	EA	4', 4,000 Lumens, 32 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-4-G-UNV-L850-CD1-U)	314.47	69.11
		For >50 To 100, Deduct	*-10.74*	
		For >100 To 250, Deduct	*-18.60*	
		For >250 To 500, Deduct	*-31.45*	
		For >500, Deduct	*-44.29*	
26 51 19 00-0557	EA	4', 6,000 Lumens, 51 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-6-G-UNV-L850-CD1-U)	351.07	69.11
		For >50 To 100, Deduct	*-11.66*	
		For >100 To 250, Deduct	*-20.43*	
		For >250 To 500, Deduct	*-35.11*	
		For >500, Deduct	*-49.78*	
26 51 19 00-0558	EA	4', 8,000 Lumens, 67 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-8-G-UNV-L850-CD1-U)	485.14	69.11
		For >50 To 100, Deduct	*-15.01*	
		For >100 To 250, Deduct	*-27.14*	
		For >250 To 500, Deduct	*-48.51*	
		For >500, Deduct	*-69.89*	

26 51 19 00-0559 Wide Distribution, Vaportight, LED Fixtures (Metalux) *(26 51 19 00-0551)*

26 51 19 00-0560	EA	2', 2,000 Lumens, 17 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-2-W-UNV-L850-CD1-U)	334.51	55.29
		For >50 To 100, Deduct	*-10.67*	
		For >100 To 250, Deduct	*-19.03*	
		For >250 To 500, Deduct	*-33.45*	
		For >500, Deduct	*-47.87*	
26 51 19 00-0561	EA	2', 3,000 Lumens, 25 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-3-W-UNV-L850-CD1-U)	347.28	55.29
		For >50 To 100, Deduct	*-10.99*	
		For >100 To 250, Deduct	*-19.67*	
		For >250 To 500, Deduct	*-34.73*	
		For >500, Deduct	*-49.79*	
26 51 19 00-0562	EA	2', 4,000 Lumens, 34 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-4-W-UNV-L850-CD1-U)	372.79	55.29
		For >50 To 100, Deduct	*-11.62*	
		For >100 To 250, Deduct	*-20.94*	
		For >250 To 500, Deduct	*-37.28*	
		For >500, Deduct	*-53.62*	
26 51 19 00-0563	EA	4', 4,000 Lumens, 31 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-4-W-UNV-L850-CD1-U)	434.11	69.11
		For >50 To 100, Deduct	*-13.73*	
		For >100 To 250, Deduct	*-24.59*	
		For >250 To 500, Deduct	*-43.41*	
		For >500, Deduct	*-62.24*	
26 51 19 00-0564	EA	4', 6,000 Lumens, 49 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-6-W-UNV-L850-CD1-U)	485.14	69.11
		For >50 To 100, Deduct	*-15.01*	
		For >100 To 250, Deduct	*-27.14*	
		For >250 To 500, Deduct	*-48.51*	
		For >500, Deduct	*-69.89*	
26 51 19 00-0565	EA	4', 8,000 Lumens, 70 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-8-W-UNV-L850-CD1-U)	536.19	69.11
		For >50 To 100, Deduct	*-16.28*	
		For >100 To 250, Deduct	*-29.69*	
		For >250 To 500, Deduct	*-53.62*	
		For >500, Deduct	*-77.55*	

26 51 19 00-0566 Parking Garage Distribution, Vaportight, LED Fixtures (Metalux) *(26 51 19 00-0551)*

26 51 19 00-0567	EA	2', 2,000 Lumens, 17 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-2-P-UNV-L850-CD1-U)	334.51	55.29
		For >50 To 100, Deduct	*-10.67*	
		For >100 To 250, Deduct	*-19.03*	
		For >250 To 500, Deduct	*-33.45*	
		For >500, Deduct	*-47.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0568	EA	2', 3,000 Lumens, 25 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-3-P-UNV-L850-CD1-U)	348.25	55.29
		For >50 To 100, Deduct	*-11.01*	
		For >100 To 250, Deduct	*-19.72*	
		For >250 To 500, Deduct	*-34.83*	
		For >500, Deduct	*-49.93*	
26 51 19 00-0569	EA	2', 4,000 Lumens, 34 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-4-P-UNV-L850-CD1-U)	372.79	55.29
		For >50 To 100, Deduct	*-11.62*	
		For >100 To 250, Deduct	*-20.94*	
		For >250 To 500, Deduct	*-37.28*	
		For >500, Deduct	*-53.62*	
26 51 19 00-0570	EA	4', 4,000 Lumens, 31 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-4-P-UNV-L850-CD1-U)	434.11	69.11
		For >50 To 100, Deduct	*-13.73*	
		For >100 To 250, Deduct	*-24.59*	
		For >250 To 500, Deduct	*-43.41*	
		For >500, Deduct	*-62.24*	
26 51 19 00-0571	EA	4', 6,000 Lumens, 49 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-6-P-UNV-L850-CD1-U)	485.14	69.11
		For >50 To 100, Deduct	*-15.01*	
		For >100 To 250, Deduct	*-27.14*	
		For >250 To 500, Deduct	*-48.51*	
		For >500, Deduct	*-69.89*	
26 51 19 00-0572	EA	4', 8,000 Lumens, 69 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-8-P-UNV-L850-CD1-U)	536.19	69.11
		For >50 To 100, Deduct	*-16.28*	
		For >100 To 250, Deduct	*-29.69*	
		For >250 To 500, Deduct	*-53.62*	
		For >500, Deduct	*-77.55*	

26 51 19 00-0573 Ceiling Mounted LED Fixtures *(26 51 19 00-0001)*

26 51 19 00-0574 Ceiling Mounted, LED Drum Fixtures (Enertron) *(26 51 19 00-0573)*

26 51 19 00-0575	EA	11" Diameter, 530 Lumens, 7 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X611-30)	124.25	46.07
		For >50 To 100, Deduct	*-4.83*	
		For >100 To 250, Deduct	*-7.94*	
		For >250 To 500, Deduct	*-12.43*	
		For >500, Deduct	*-16.91*	
26 51 19 00-0576	EA	11" Diameter, 1,060 Lumens, 10 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X611-30)	129.73	46.07
		For >50 To 100, Deduct	*-4.97*	
		For >100 To 250, Deduct	*-8.21*	
		For >250 To 500, Deduct	*-12.97*	
		For >500, Deduct	*-17.73*	
26 51 19 00-0577	EA	11" Diameter, 1,590 Lumens, 14 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X611-30)	135.20	46.07
		For >50 To 100, Deduct	*-5.11*	
		For >100 To 250, Deduct	*-8.49*	
		For >250 To 500, Deduct	*-13.52*	
		For >500, Deduct	*-18.55*	
26 51 19 00-0578	EA	11" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X611-30)	140.68	46.07
		For >50 To 100, Deduct	*-5.24*	
		For >100 To 250, Deduct	*-8.76*	
		For >250 To 500, Deduct	*-14.07*	
		For >500, Deduct	*-19.37*	
26 51 19 00-0579	EA	14" Diameter, 530 Lumens, 7 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X614-30)	136.84	50.68
		For >50 To 100, Deduct	*-5.32*	
		For >100 To 250, Deduct	*-8.74*	
		For >250 To 500, Deduct	*-13.68*	
		For >500, Deduct	*-18.63*	
26 51 19 00-0580	EA	14" Diameter, 1,060 Lumens, 10 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X614-30)	142.31	50.68
		For >50 To 100, Deduct	*-5.46*	
		For >100 To 250, Deduct	*-9.02*	
		For >250 To 500, Deduct	*-14.23*	
		For >500, Deduct	*-19.45*	
26 51 19 00-0581	EA	14" Diameter, 1,590 Lumens, 14 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X614-30)	147.78	50.68
		For >50 To 100, Deduct	*-5.60*	
		For >100 To 250, Deduct	*-9.29*	
		For >250 To 500, Deduct	*-14.78*	
		For >500, Deduct	*-20.27*	
26 51 19 00-0582	EA	14" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X614-30)	153.26	50.68
		For >50 To 100, Deduct	*-5.73*	
		For >100 To 250, Deduct	*-9.56*	
		For >250 To 500, Deduct	*-15.33*	
		For >500, Deduct	*-21.09*	
26 51 19 00-0583	EA	14" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X614-30)	164.21	50.68
		For >50 To 100, Deduct	*-6.01*	
		For >100 To 250, Deduct	*-10.11*	
		For >250 To 500, Deduct	*-16.42*	
		For >500, Deduct	*-22.73*	
26 51 19 00-0584	EA	11" Diameter, 530 Lumens, 7 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X611-35)	124.25	46.07
		For >50 To 100, Deduct	*-4.83*	
		For >100 To 250, Deduct	*-7.94*	
		For >250 To 500, Deduct	*-12.43*	
		For >500, Deduct	*-16.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0585	EA	11" Diameter, 1,060 Lumens, 10 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X611-35)	129.73	46.07
		For >50 To 100, Deduct	*-4.97*	
		For >100 To 250, Deduct	*-8.21*	
		For >250 To 500, Deduct	*-12.97*	
		For >500, Deduct	*-17.73*	
26 51 19 00-0586	EA	11" Diameter, 1,590 Lumens, 14 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED3X611-35)	135.20	46.07
		For >50 To 100, Deduct	*-5.11*	
		For >100 To 250, Deduct	*-8.49*	
		For >250 To 500, Deduct	*-13.52*	
		For >500, Deduct	*-18.55*	
26 51 19 00-0587	EA	11" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X611-35)	140.68	46.07
		For >50 To 100, Deduct	*-5.24*	
		For >100 To 250, Deduct	*-8.76*	
		For >250 To 500, Deduct	*-14.07*	
		For >500, Deduct	*-19.37*	
26 51 19 00-0588	EA	14" Diameter, 530 Lumens, 7 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X614-35)	136.84	50.68
		For >50 To 100, Deduct	*-5.32*	
		For >100 To 250, Deduct	*-8.74*	
		For >250 To 500, Deduct	*-13.68*	
		For >500, Deduct	*-18.63*	
26 51 19 00-0589	EA	14" Diameter, 1,060 Lumens, 10 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X614-35)	142.31	50.68
		For >50 To 100, Deduct	*-5.46*	
		For >100 To 250, Deduct	*-9.02*	
		For >250 To 500, Deduct	*-14.23*	
		For >500, Deduct	*-19.45*	
26 51 19 00-0590	EA	14" Diameter, 1,590 Lumens, 14 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED3X614-35)	147.78	50.68
		For >50 To 100, Deduct	*-5.60*	
		For >100 To 250, Deduct	*-9.29*	
		For >250 To 500, Deduct	*-14.78*	
		For >500, Deduct	*-20.27*	
26 51 19 00-0591	EA	14" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X614-35)	153.26	50.68
		For >50 To 100, Deduct	*-5.73*	
		For >100 To 250, Deduct	*-9.56*	
		For >250 To 500, Deduct	*-15.33*	
		For >500, Deduct	*-21.09*	
26 51 19 00-0592	EA	14" Diameter, 3,180 Lumens, 24 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED6X614-30)	164.21	50.68
		For >50 To 100, Deduct	*-6.01*	
		For >100 To 250, Deduct	*-10.11*	
		For >250 To 500, Deduct	*-16.42*	
		For >500, Deduct	*-22.73*	
26 51 19 00-0593	EA	11" Diameter, 550 Lumens, 7 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X611-40)	124.25	46.07
		For >50 To 100, Deduct	*-4.83*	
		For >100 To 250, Deduct	*-7.94*	
		For >250 To 500, Deduct	*-12.43*	
		For >500, Deduct	*-16.91*	
26 51 19 00-0594	EA	11" Diameter, 1,100 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X611-40)	129.73	46.07
		For >50 To 100, Deduct	*-4.97*	
		For >100 To 250, Deduct	*-8.21*	
		For >250 To 500, Deduct	*-12.97*	
		For >500, Deduct	*-17.73*	
26 51 19 00-0595	EA	11" Diameter, 1,650 Lumens, 14 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED3X611-40)	135.20	46.07
		For >50 To 100, Deduct	*-5.11*	
		For >100 To 250, Deduct	*-8.49*	
		For >250 To 500, Deduct	*-13.52*	
		For >500, Deduct	*-18.55*	
26 51 19 00-0596	EA	11" Diameter, 2,200 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X611-40)	140.68	46.07
		For >50 To 100, Deduct	*-5.24*	
		For >100 To 250, Deduct	*-8.76*	
		For >250 To 500, Deduct	*-14.07*	
		For >500, Deduct	*-19.37*	
26 51 19 00-0597	EA	14" Diameter, 550 Lumens, 7 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X614-40)	136.84	50.68
		For >50 To 100, Deduct	*-5.32*	
		For >100 To 250, Deduct	*-8.74*	
		For >250 To 500, Deduct	*-13.68*	
		For >500, Deduct	*-18.63*	
26 51 19 00-0598	EA	14" Diameter, 1,100 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X614-40)	142.31	50.68
		For >50 To 100, Deduct	*-5.46*	
		For >100 To 250, Deduct	*-9.02*	
		For >250 To 500, Deduct	*-14.23*	
		For >500, Deduct	*-19.45*	
26 51 19 00-0599	EA	14" Diameter, 1,650 Lumens, 14 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED3X614-40)	147.78	50.68
		For >50 To 100, Deduct	*-5.60*	
		For >100 To 250, Deduct	*-9.29*	
		For >250 To 500, Deduct	*-14.78*	
		For >500, Deduct	*-20.27*	
26 51 19 00-0600	EA	14" Diameter, 2,200 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X614-40)	153.26	50.68
		For >50 To 100, Deduct	*-5.73*	
		For >100 To 250, Deduct	*-9.56*	
		For >250 To 500, Deduct	*-15.33*	
		For >500, Deduct	*-21.09*	
26 51 19 00-0601	EA	14" Diameter, 3,300 Lumens, 24 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED6X614-40)	164.21	50.68
		For >50 To 100, Deduct	*-6.01*	
		For >100 To 250, Deduct	*-10.11*	
		For >250 To 500, Deduct	*-16.42*	
		For >500, Deduct	*-22.73*	

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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0602	EA	11" Diameter, 560 Lumens, 7 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED1X611-50)	124.25	46.07
		For >50 To 100, Deduct	*-4.83*	
		For >100 To 250, Deduct	*-7.94*	
		For >250 To 500, Deduct	*-12.43*	
		For >500, Deduct	*-16.91*	
26 51 19 00-0603	EA	11" Diameter, 1,120 Lumens, 10 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED2X611-50)	129.73	46.07
		For >50 To 100, Deduct	*-4.97*	
		For >100 To 250, Deduct	*-8.21*	
		For >250 To 500, Deduct	*-12.97*	
		For >500, Deduct	*-17.73*	
26 51 19 00-0604	EA	11" Diameter, 1,680 Lumens, 14 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED3X611-50)	135.20	46.07
		For >50 To 100, Deduct	*-5.11*	
		For >100 To 250, Deduct	*-8.49*	
		For >250 To 500, Deduct	*-13.52*	
		For >500, Deduct	*-18.55*	
26 51 19 00-0605	EA	11" Diameter, 2,240 Lumens, 17 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED4X611-50)	140.68	46.07
		For >50 To 100, Deduct	*-5.24*	
		For >100 To 250, Deduct	*-8.76*	
		For >250 To 500, Deduct	*-14.07*	
		For >500, Deduct	*-19.37*	
26 51 19 00-0606	EA	14" Diameter, 560 Lumens, 7 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X614-40)	136.84	50.68
		For >50 To 100, Deduct	*-5.32*	
		For >100 To 250, Deduct	*-8.74*	
		For >250 To 500, Deduct	*-13.68*	
		For >500, Deduct	*-18.63*	
26 51 19 00-0607	EA	14" Diameter, 1,120 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X614-40)	142.31	50.68
		For >50 To 100, Deduct	*-5.46*	
		For >100 To 250, Deduct	*-9.02*	
		For >250 To 500, Deduct	*-14.23*	
		For >500, Deduct	*-19.45*	
26 51 19 00-0608	EA	14" Diameter, 1,680 Lumens, 14 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED3X614-40)	147.78	50.68
		For >50 To 100, Deduct	*-5.60*	
		For >100 To 250, Deduct	*-9.29*	
		For >250 To 500, Deduct	*-14.78*	
		For >500, Deduct	*-20.27*	
26 51 19 00-0609	EA	14" Diameter, 2,240 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X614-40)	153.26	50.68
		For >50 To 100, Deduct	*-5.73*	
		For >100 To 250, Deduct	*-9.56*	
		For >250 To 500, Deduct	*-15.33*	
		For >500, Deduct	*-21.09*	
26 51 19 00-0610	EA	14" Diameter, 3,360 Lumens, 24 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED6X614-40)	164.21	50.68
		For >50 To 100, Deduct	*-6.01*	
		For >100 To 250, Deduct	*-10.11*	
		For >250 To 500, Deduct	*-16.42*	
		For >500, Deduct	*-22.73*	
26 51 19 00-0611	EA	19" Diameter, 1,060 Lumens, 10 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-30)	170.07	54.71
		For >50 To 100, Deduct	*-6.33*	
		For >100 To 250, Deduct	*-10.58*	
		For >250 To 500, Deduct	*-17.01*	
		For >500, Deduct	*-23.44*	
26 51 19 00-0612	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X619-30)	182.51	54.71
		For >50 To 100, Deduct	*-6.64*	
		For >100 To 250, Deduct	*-11.20*	
		For >250 To 500, Deduct	*-18.25*	
		For >500, Deduct	*-25.30*	
26 51 19 00-0613	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X12S19-30)	179.48	54.71
		For >50 To 100, Deduct	*-6.56*	
		For >100 To 250, Deduct	*-11.05*	
		For >250 To 500, Deduct	*-17.95*	
		For >500, Deduct	*-24.85*	
26 51 19 00-0614	EA	19" Diameter, 1,910 Lumens, 18 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-30)	179.43	54.71
		For >50 To 100, Deduct	*-6.56*	
		For >100 To 250, Deduct	*-11.04*	
		For >250 To 500, Deduct	*-17.94*	
		For >500, Deduct	*-24.84*	
26 51 19 00-0615	EA	19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30)	193.46	54.71
		For >50 To 100, Deduct	*-6.91*	
		For >100 To 250, Deduct	*-11.75*	
		For >250 To 500, Deduct	*-19.35*	
		For >500, Deduct	*-26.95*	
26 51 19 00-0616	EA	19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30)	188.93	54.71
		For >50 To 100, Deduct	*-6.80*	
		For >100 To 250, Deduct	*-11.52*	
		For >250 To 500, Deduct	*-18.89*	
		For >500, Deduct	*-26.27*	
26 51 19 00-0617	EA	19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30)	207.90	54.71
		For >50 To 100, Deduct	*-7.27*	
		For >100 To 250, Deduct	*-12.47*	
		For >250 To 500, Deduct	*-20.79*	
		For >500, Deduct	*-29.11*	
26 51 19 00-0618	EA	19" Diameter, 3,820 Lumens, 32 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-30)	201.72	54.71
		For >50 To 100, Deduct	*-7.12*	
		For >100 To 250, Deduct	*-12.16*	
		For >250 To 500, Deduct	*-20.17*	
		For >500, Deduct	*-28.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0619	EA	19" Diameter, 4,240 Lumens, 32 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-30)	201.77	54.71
		For >50 To 100, Deduct	*-7.12*	
		For >100 To 250, Deduct	*-12.16*	
		For >250 To 500, Deduct	*-20.18*	
		For >500, Deduct	*-28.19*	
26 51 19 00-0620	EA	19" Diameter, 1,060 Lumens, 10 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X12S19-35)	170.07	54.71
		For >50 To 100, Deduct	*-6.33*	
		For >100 To 250, Deduct	*-10.58*	
		For >250 To 500, Deduct	*-17.01*	
		For >500, Deduct	*-23.44*	
26 51 19 00-0621	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X619-35)	182.51	54.71
		For >50 To 100, Deduct	*-6.64*	
		For >100 To 250, Deduct	*-11.20*	
		For >250 To 500, Deduct	*-18.25*	
		For >500, Deduct	*-25.30*	
26 51 19 00-0622	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35)	179.48	54.71
		For >50 To 100, Deduct	*-6.56*	
		For >100 To 250, Deduct	*-11.05*	
		For >250 To 500, Deduct	*-17.95*	
		For >500, Deduct	*-24.85*	
26 51 19 00-0623	EA	19" Diameter, 1,910 Lumens, 18 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X12H19-35)	179.43	54.71
		For >50 To 100, Deduct	*-6.56*	
		For >100 To 250, Deduct	*-11.04*	
		For >250 To 500, Deduct	*-17.94*	
		For >500, Deduct	*-24.84*	
26 51 19 00-0624	EA	19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30)	193.46	54.71
		For >50 To 100, Deduct	*-6.91*	
		For >100 To 250, Deduct	*-11.75*	
		For >250 To 500, Deduct	*-19.35*	
		For >500, Deduct	*-26.95*	
26 51 19 00-0625	EA	19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30)	188.93	54.71
		For >50 To 100, Deduct	*-6.80*	
		For >100 To 250, Deduct	*-11.52*	
		For >250 To 500, Deduct	*-18.89*	
		For >500, Deduct	*-26.27*	
26 51 19 00-0626	EA	19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30)	207.90	54.71
		For >50 To 100, Deduct	*-7.27*	
		For >100 To 250, Deduct	*-12.47*	
		For >250 To 500, Deduct	*-20.79*	
		For >500, Deduct	*-29.11*	
26 51 19 00-0627	EA	19" Diameter, 3,820 Lumens, 32 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12H19-35)	201.72	54.71
		For >50 To 100, Deduct	*-7.12*	
		For >100 To 250, Deduct	*-12.16*	
		For >250 To 500, Deduct	*-20.17*	
		For >500, Deduct	*-28.18*	
26 51 19 00-0628	EA	19" Diameter, 4,240 Lumens, 32 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X12S19-35)	201.77	54.71
		For >50 To 100, Deduct	*-7.12*	
		For >100 To 250, Deduct	*-12.16*	
		For >250 To 500, Deduct	*-20.18*	
		For >500, Deduct	*-28.19*	
26 51 19 00-0629	EA	19" Diameter, 1,100 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-40)	170.07	54.71
		For >50 To 100, Deduct	*-6.33*	
		For >100 To 250, Deduct	*-10.58*	
		For >250 To 500, Deduct	*-17.01*	
		For >500, Deduct	*-23.44*	
26 51 19 00-0630	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35)	182.51	54.71
		For >50 To 100, Deduct	*-6.64*	
		For >100 To 250, Deduct	*-11.20*	
		For >250 To 500, Deduct	*-18.25*	
		For >500, Deduct	*-25.30*	
26 51 19 00-0631	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35)	179.48	54.71
		For >50 To 100, Deduct	*-6.56*	
		For >100 To 250, Deduct	*-11.05*	
		For >250 To 500, Deduct	*-17.95*	
		For >500, Deduct	*-24.85*	
26 51 19 00-0632	EA	19" Diameter, 2,000 Lumens, 18 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-40)	179.43	54.71
		For >50 To 100, Deduct	*-6.56*	
		For >100 To 250, Deduct	*-11.04*	
		For >250 To 500, Deduct	*-17.94*	
		For >500, Deduct	*-24.84*	
26 51 19 00-0633	EA	19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30)	193.46	54.71
		For >50 To 100, Deduct	*-6.91*	
		For >100 To 250, Deduct	*-11.75*	
		For >250 To 500, Deduct	*-19.35*	
		For >500, Deduct	*-26.95*	
26 51 19 00-0634	EA	19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30)	188.93	54.71
		For >50 To 100, Deduct	*-6.80*	
		For >100 To 250, Deduct	*-11.52*	
		For >250 To 500, Deduct	*-18.89*	
		For >500, Deduct	*-26.27*	
26 51 19 00-0635	EA	19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30)	207.90	54.71
		For >50 To 100, Deduct	*-7.27*	
		For >100 To 250, Deduct	*-12.47*	
		For >250 To 500, Deduct	*-20.79*	
		For >500, Deduct	*-29.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0636	EA	19" Diameter, 4,000 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-40)	201.72	54.71
		For >50 To 100, Deduct	*-7.12*	
		For >100 To 250, Deduct	*-12.16*	
		For >250 To 500, Deduct	*-20.17*	
		For >500, Deduct	*-28.18*	
26 51 19 00-0637	EA	19" Diameter, 4,400 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-40)	201.77	54.71
		For >50 To 100, Deduct	*-7.12*	
		For >100 To 250, Deduct	*-12.16*	
		For >250 To 500, Deduct	*-20.18*	
		For >500, Deduct	*-28.19*	
26 51 19 00-0638	EA	19" Diameter, 1,120 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-50)	170.07	54.71
		For >50 To 100, Deduct	*-6.33*	
		For >100 To 250, Deduct	*-10.58*	
		For >250 To 500, Deduct	*-17.01*	
		For >500, Deduct	*-23.44*	
26 51 19 00-0639	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35)	182.51	54.71
		For >50 To 100, Deduct	*-6.64*	
		For >100 To 250, Deduct	*-11.20*	
		For >250 To 500, Deduct	*-18.25*	
		For >500, Deduct	*-25.30*	
26 51 19 00-0640	EA	19" Diameter, 2,240 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12S19-50)	179.48	54.71
		For >50 To 100, Deduct	*-6.56*	
		For >100 To 250, Deduct	*-11.05*	
		For >250 To 500, Deduct	*-17.95*	
		For >500, Deduct	*-24.85*	
26 51 19 00-0641	EA	19" Diameter, 2,010 Lumens, 18 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-50)	179.43	54.71
		For >50 To 100, Deduct	*-6.56*	
		For >100 To 250, Deduct	*-11.04*	
		For >250 To 500, Deduct	*-17.94*	
		For >500, Deduct	*-24.84*	
26 51 19 00-0642	EA	19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30)	193.46	54.71
		For >50 To 100, Deduct	*-6.91*	
		For >100 To 250, Deduct	*-11.75*	
		For >250 To 500, Deduct	*-19.35*	
		For >500, Deduct	*-26.95*	
26 51 19 00-0643	EA	19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30)	188.93	54.71
		For >50 To 100, Deduct	*-6.80*	
		For >100 To 250, Deduct	*-11.52*	
		For >250 To 500, Deduct	*-18.89*	
		For >500, Deduct	*-26.27*	
26 51 19 00-0644	EA	19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30)	207.90	54.71
		For >50 To 100, Deduct	*-7.27*	
		For >100 To 250, Deduct	*-12.47*	
		For >250 To 500, Deduct	*-20.79*	
		For >500, Deduct	*-29.11*	
26 51 19 00-0645	EA	19" Diameter, 4,020 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-50)	201.72	54.71
		For >50 To 100, Deduct	*-7.12*	
		For >100 To 250, Deduct	*-12.16*	
		For >250 To 500, Deduct	*-20.17*	
		For >500, Deduct	*-28.18*	
26 51 19 00-0646	EA	19" Diameter, 4,480 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-50)	201.77	54.71
		For >50 To 100, Deduct	*-7.12*	
		For >100 To 250, Deduct	*-12.16*	
		For >250 To 500, Deduct	*-20.18*	
		For >500, Deduct	*-28.19*	

26 51 19 00-0647 Ceiling Mounted, LED Mushroom Fixtures (Mobern) *(26 51 19 00-0573)*

26 51 19 00-0648	EA	14" Diameter, 800 Lumens, 12 Watt, LED Ceiling Fixture (Mobern 6814LED12MV30)	195.55	50.68
		For >50 To 100, Deduct	*-6.79*	
		For >100 To 250, Deduct	*-11.68*	
		For >250 To 500, Deduct	*-19.56*	
		For >500, Deduct	*-27.43*	

26 51 19 00-0649 Ceiling Mounted, LED Fixtures (Sylvania) *(26 51 19 00-0573)*

26 51 19 00-0650	EA	12.5" x 12.5" x 2.32" Deep, 4,200 Lumens, 35 Watt, LED Garage Light Fixture (Sylvania GARAG1/035UNVD740/G5/SV/D)	727.25	54.71
		For >50 To 100, Deduct	*-20.25*	
		For >100 To 250, Deduct	*-38.44*	
		For >250 To 500, Deduct	*-72.73*	
		For >500, Deduct	*-107.01*	
26 51 19 00-0651	EA	2' x 2', 32 Watt, 120-277 Volt, 4000K CCT, LED, Grid Mount Edge-Lit Panel With Surface Mount Kit, White (Sylvania PANELF1A/032UNVD840/22G/WH + SMKIT1A/24A/WH)	279.98	46.07
		For >50 To 100, Deduct	*-8.73*	
		For >100 To 250, Deduct	*-15.73*	
		For >250 To 500, Deduct	*-28.00*	
		For >500, Deduct	*-40.27*	
26 51 19 00-0652	EA	2' x 4', 32 Watt, 120-277 Volt, 3500K CCT, LED, Grid Mount Edge-Lit Panel With Surface Mount Kit, White (Sylvania PANELF1A/032UNVD835/24G/WH + SMKIT1A/24A/WH)	348.52	53.67
		For >50 To 100, Deduct	*-10.73*	
		For >100 To 250, Deduct	*-19.44*	
		For >250 To 500, Deduct	*-34.85*	
		For >500, Deduct	*-50.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0653	EA	2' x 4', 32 Watt, 120-277 Volt, 4000K CCT, LED, Grid Mount Edge-Lit Panel With Surface Mount Kit, White (Sylvania PANELF1A/032UNVD840/24G/WH + SMKIT1A/24A/WH)	352.61	53.67
		For >50 To 100, Deduct	*-10.83*	
		For >100 To 250, Deduct	*-19.65*	
		For >250 To 500, Deduct	*-35.26*	
		For >500, Deduct	*-50.88*	
26 51 19 00-0654		**Refrigeration/Display LED Fixtures** *(26 51 19 00-0001)*		
26 51 19 00-0655		**Refrigeration/Display LED Fixtures (Lithonia)** *(26 51 19 00-0654)* Note: Fixtures exclude driver.		
26 51 19 00-0656	EA	5' Length, Center Mount, Refrigeration/Display, Vertical LED Fixture (Lithonia FSV5 CM)	287.50	53.67
		For >50 To 100, Deduct	*-9.20*	
		For >100 To 250, Deduct	*-16.39*	
		For >250 To 500, Deduct	*-28.75*	
		For >500, Deduct	*-41.11*	
26 51 19 00-0657	EA	5' Length, Left And Right Mount (Pair), Refrigeration/Display, Vertical LED Fixture (Lithonia FSVDRVL RLEM DLC)	377.19	95.02
		For >50 To 100, Deduct	*-13.03*	
		For >100 To 250, Deduct	*-22.46*	
		For >250 To 500, Deduct	*-37.72*	
		For >500, Deduct	*-52.98*	
26 51 19 00-0658	EA	Up To 5 Door Configuration, LED Driver For Refrigeration/Display, Vertical LED Fixtures (Lithonia FSVDRVL)	344.22	76.02
		For >50 To 100, Deduct	*-11.49*	
		For >100 To 250, Deduct	*-20.09*	
		For >250 To 500, Deduct	*-34.42*	
		For >500, Deduct	*-48.75*	
26 51 19 00-0659		**Linear LED Fixtures** *(26 51 19 00-0001)*		
26 51 19 00-0660		**Wet Location, Linear LED Fixtures (Cree WS4)** *(26 51 19 00-0659)*		
26 51 19 00-0661	EA	4' Length, 4,700 Lumens, 50 Watt, Wet Location, Linear LED Fixture (Cree WS4)	585.39	69.11
		For >50 To 100, Deduct	*-17.51*	
		For >100 To 250, Deduct	*-32.15*	
		For >250 To 500, Deduct	*-58.54*	
		For >500, Deduct	*-84.93*	
26 51 19 00-0662	EA	4' Length, 5,000 Lumens, 51 Watt, Wet Location, Linear LED Fixture (Cree WS4)	633.68	69.11
		For >50 To 100, Deduct	*-18.72*	
		For >100 To 250, Deduct	*-34.56*	
		For >250 To 500, Deduct	*-63.37*	
		For >500, Deduct	*-92.17*	
26 51 19 00-0663	EA	4' Length, 5,900 Lumens, 63 Watt, Wet Location, Linear LED Fixture (Cree WS4)	661.64	69.11
		For >50 To 100, Deduct	*-19.42*	
		For >100 To 250, Deduct	*-35.96*	
		For >250 To 500, Deduct	*-66.16*	
		For >500, Deduct	*-96.37*	
26 51 19 00-0664	EA	4' Length, 6,300 Lumens, 64 Watt, Wet Location, Linear LED Fixture (Cree WS4)	661.64	69.11
		For >50 To 100, Deduct	*-19.42*	
		For >100 To 250, Deduct	*-35.96*	
		For >250 To 500, Deduct	*-66.16*	
		For >500, Deduct	*-96.37*	
26 51 19 00-0665		**Pendant Mount, LED Fixtures** *(26 51 19 00-0001)*		
26 51 19 00-0666		**Pendant Mount, Circular Architectural LED Fixtures (Delray Lighting)** *(26 51 19 00-0665)*		
26 51 19 00-0667	EA	2,166 Lumens, 2' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC2 W W35 S)	2,676.47	117.49
		For >50 To 100, Deduct	*-71.81*	
		For >100 To 250, Deduct	*-138.72*	
		For >250 To 500, Deduct	*-267.65*	
		For >500, Deduct	*-396.58*	
26 51 19 00-0668	EA	3,250 Lumens, 3' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC3 W W35 S)	4,044.21	124.39
		For >50 To 100, Deduct	*-106.29*	
		For >100 To 250, Deduct	*-207.39*	
		For >250 To 500, Deduct	*-404.42*	
		For >500, Deduct	*-601.45*	
26 51 19 00-0669	EA	4,333 Lumens, 4' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC4 W W35 S)	5,165.92	131.30
		For >50 To 100, Deduct	*-134.62*	
		For >100 To 250, Deduct	*-263.77*	
		For >250 To 500, Deduct	*-516.59*	
		For >500, Deduct	*-769.42*	
26 51 19 00-0670	EA	5,416 Lumens, 5' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC5 W W35 S)	6,533.67	138.22
		For >50 To 100, Deduct	*-169.10*	
		For >100 To 250, Deduct	*-332.44*	
		For >250 To 500, Deduct	*-653.37*	
		For >500, Deduct	*-974.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0671	EA	2,166 Lumens, 2' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC2 S W35 S)	2,839.13	117.49
		For >50 To 100, Deduct	*-75.87*	
		For >100 To 250, Deduct	*-146.85*	
		For >250 To 500, Deduct	*-283.91*	
		For >500, Deduct	*-420.97*	
26 51 19 00-0672	EA	3,250 Lumens, 3' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC3 S W35 S)	4,259.75	124.39
		For >50 To 100, Deduct	*-111.68*	
		For >100 To 250, Deduct	*-218.17*	
		For >250 To 500, Deduct	*-425.98*	
		For >500, Deduct	*-633.78*	
26 51 19 00-0673	EA	4,333 Lumens, 4' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC4 S W35 S)	5,383.49	131.30
		For >50 To 100, Deduct	*-140.06*	
		For >100 To 250, Deduct	*-274.65*	
		For >250 To 500, Deduct	*-538.35*	
		For >500, Deduct	*-802.05*	
26 51 19 00-0674	EA	5,416 Lumens, 5' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC5 S W35 S)	6,777.67	138.22
		For >50 To 100, Deduct	*-175.20*	
		For >100 To 250, Deduct	*-344.64*	
		For >250 To 500, Deduct	*-677.77*	
		For >500, Deduct	*-1,010.89*	
26 51 19 00-0675		**Pendant Mount, LED Commercial Fixtures (DMF)** *(26 51 19 00-0665)*		
26 51 19 00-0676	EA	3,000 Lumens, 18-1/4" Diameter, Pendant Mount, LED Commercial Fixture (DMF DP610LED)	1,036.28	69.11
		For >50 To 100, Deduct	*-28.79*	
		For >100 To 250, Deduct	*-54.69*	
		For >250 To 500, Deduct	*-103.63*	
		For >500, Deduct	*-152.56*	
26 51 19 00-0677		**Pendant Mount, Circular LED Fixtures (Prudential Lighting)** *(26 51 19 00-0665)*		
26 51 19 00-0678	EA	4' Diameter, 120-277 Volt, Monopoint Mounted, Aluminum, Dimming LED Lighting Fixture (Prudential P4040-LED35-PROG-FWA-TMW-D1-SC-UNV-MPCA-X1-DM10)	3,467.64	131.30
26 51 19 00-0679		**LED Track Lighting** *(26 51 19 00-0001)*		
26 51 19 00-0680		**LED Track Lighting Fixtures** *(26 51 19 00-0679)*		
26 51 19 00-0681	EA	19 Watt, Dimmable, LED Track Lighting Fixture (Juno® TRAC-MASTER® Cylindra™)	202.22	21.05
		For >50 To 100, Deduct	*-5.84*	
		For >100 To 250, Deduct	*-10.90*	
		For >250 To 500, Deduct	*-20.22*	
		For >500, Deduct	*-29.55*	
26 51 19 00-0682	EA	18 Watt, Dimmable, LED Track Lighting Fixture (HALO® Stasis L805MED)	350.87	21.05
		For >50 To 100, Deduct	*-9.56*	
		For >100 To 250, Deduct	*-18.33*	
		For >250 To 500, Deduct	*-35.09*	
		For >500, Deduct	*-51.84*	
26 51 19 00-0683	EA	24 Watt, Dimmable, LED Track Lighting Fixture (Amerlux CNTRV33)	207.86	21.05
		For >50 To 100, Deduct	*-5.98*	
		For >100 To 250, Deduct	*-11.18*	
		For >250 To 500, Deduct	*-20.79*	
		For >500, Deduct	*-30.39*	
26 51 19 00-0684		**Track Lighting Tracks** *(26 51 19 00-0679)*		
26 51 19 00-0685	LF	1 Circuit Track Lighting Track	24.48	8.32
		For >50 To 100, Deduct	*-0.90*	
		For >100 To 250, Deduct	*-1.51*	
		For >250 To 500, Deduct	*-2.45*	
		For >500, Deduct	*-3.39*	
26 51 19 00-0686	LF	2 Circuit Track Lighting Track	31.51	8.32
		For >50 To 100, Deduct	*-1.10*	
		For >100 To 250, Deduct	*-1.89*	
		For >250 To 500, Deduct	*-3.15*	
		For >500, Deduct	*-4.41*	
26 51 19 00-0687	LF	3 Circuit Track Lighting Track	37.53	8.32
		For >50 To 100, Deduct	*-1.29*	
		For >100 To 250, Deduct	*-2.22*	
		For >250 To 500, Deduct	*-3.75*	
		For >500, Deduct	*-5.28*	
26 51 19 00-0688	LF	4 Circuit Track Lighting Track	43.56	10.08
		For >50 To 100, Deduct	*-1.47*	
		For >100 To 250, Deduct	*-2.56*	
		For >250 To 500, Deduct	*-4.36*	
		For >500, Deduct	*-6.16*	
26 51 19 00-0689		**Track Lighting Accessories** *(26 51 19 00-0679)*		
26 51 19 00-0690		**Pendant Mounting** *(26 51 19 00-0689)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0691	EA	Track Lighting Pendant Mounting, Up to 12"	27.64	
		For >50 To 100, Deduct	*-1.16*	
		For >100 To 250, Deduct	*-1.85*	
		For >250 To 500, Deduct	*-2.76*	
		For >500, Deduct	*-3.67*	
26 51 19 00-0692	EA	Track Lighting Pendant Mounting, >12" To 24"	35.12	
		For >50 To 100, Deduct	*-1.41*	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-3.51*	
		For >500, Deduct	*-4.73*	
26 51 19 00-0693	EA	Track Lighting Pendant Mounting, >24" To 36"	42.68	
		For >50 To 100, Deduct	*-1.70*	
		For >100 To 250, Deduct	*-2.76*	
		For >250 To 500, Deduct	*-4.27*	
		For >500, Deduct	*-5.77*	

26 51 23 HID Interior Lighting *(26 51)*

26 51 23 00-0001 Large Interior Area Fixtures *(26 51 23)*

26 51 23 00-0002 Recessed Mounted, Large Interior Area Fixtures *(26 51 23 00-0001)*

Note: Cast aluminum socket housing, anodized aluminum reflector, tempered glass or acrylic lens, plaster mounting frames and brackets.

26 51 23 00-0003 High Pressure Sodium, Recessed Mounted, Large Interior Area Fixtures *(26 51 23 00-0002)*

26 51 23 00-0004	EA	150 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture	484.90	134.39
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
26 51 23 00-0005	EA	250 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture	505.09	142.71
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
26 51 23 00-0006	EA	400 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture	529.15	162.88
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	

26 51 23 00-0007 Metal Halide, Recessed Mounted, Large Interior Area Fixtures *(26 51 23 00-0002)*

26 51 23 00-0008	EA	150 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture	493.93	134.39
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
26 51 23 00-0009	EA	250 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture	508.90	142.71
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
26 51 23 00-0010	EA	400 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture	542.15	162.88
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	

26 51 23 00-0011 Low Bay Fixtures, Large Interior Area Fixtures *(26 51 23 00-0001)*

Note: Heavy-duty steel housing, aluminum reflector, tempered glass or acrylic lens. Low bay fixtures are for mounting below 20-25 feet.

26 51 23 00-0012 High Pressure Sodium, Low Bay Fixtures *(26 51 23 00-0011)*

26 51 23 00-0013	EA	150 Watt High Pressure Sodium, Low Bay Fixture	471.01	122.78
		For Wire Guard, Add	*40.50*	
		For Enclosed And Gasketed, Add	*75.47*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
26 51 23 00-0014	EA	250 Watt High Pressure Sodium, Low Bay Fixture	484.25	130.38
		For Wire Guard, Add	*40.50*	
		For Enclosed And Gasketed, Add	*75.47*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
26 51 23 00-0015	EA	400 Watt High Pressure Sodium, Low Bay Fixture	513.58	148.81
		For Wire Guard, Add	*40.50*	
		For Enclosed And Gasketed, Add	*75.47*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	

26 51 23 00-0016 Metal Halide, Low Bay Fixtures *(26 51 23 00-0011)*

26 51 23 00-0017	EA	175 Watt Metal Halide, Low Bay Fixture	464.93	122.78
		For Wire Guard, Add	*40.50*	
		For Enclosed And Gasketed, Add	*75.47*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
26 51 23 00-0018	EA	250 Watt Metal Halide, Low Bay Fixture	477.35	130.38
		For Wire Guard, Add	*40.50*	
		For Enclosed And Gasketed, Add	*75.47*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 23 00-0019	EA	400 Watt Metal Halide, Low Bay Fixture	517.81	148.81
		For Wire Guard, Add	*40.50*	
		For Enclosed And Gasketed, Add	*75.47*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	

26 51 23 00-0020 High Bay Fixtures, Large Interior Area Fixtures *(26 51 23 00-0001)*

Note: High bay fixtures are for mounting above 20-25 feet. See CSI section 01 22 23 00-0001 for lifts.

26 51 23 00-0021 High Pressure Sodium, High Bay Fixtures *(26 51 23 00-0020)*

Note: Includes heavy-duty steel housing and aluminum reflector. Excludes lens.

26 51 23 00-0022	EA	250 Watt High Pressure Sodium, High Bay Fixture	434.61	130.38
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
		For Tempered Glass Or Acrylic Lens, Add	*60.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Security Chain, Add	*19.34*	
		For Optical Safety Chain, Add	*7.47*	
		For Ballast Safety Chain, Add	*12.13*	
26 51 23 00-0023	EA	400 Watt High Pressure Sodium, High Bay Fixture	469.19	148.81
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
		For Tempered Glass Or Acrylic Lens, Add	*60.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Security Chain, Add	*19.34*	
		For Optical Safety Chain, Add	*7.47*	
		For Ballast Safety Chain, Add	*12.13*	
26 51 23 00-0024	EA	1,000 Watt High Pressure Sodium, High Bay Fixture	684.92	156.53
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
		For Tempered Glass Or Acrylic Lens, Add	*60.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Security Chain, Add	*19.34*	
		For Optical Safety Chain, Add	*7.47*	
		For Ballast Safety Chain, Add	*12.13*	

26 51 23 00-0025 Metal Halide, High Bay Fixtures *(26 51 23 00-0020)*

Note: Includes heavy-duty steel housing and aluminum reflector. Excludes lens.

26 51 23 00-0026	EA	250 Watt Metal Halide, High Bay Fixture	404.39	130.38
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
		For Tempered Glass Or Acrylic Lens, Add	*60.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Security Chain, Add	*19.34*	
		For Optical Safety Chain, Add	*7.47*	
		For Ballast Safety Chain, Add	*12.13*	
26 51 23 00-0027	EA	400 Watt Metal Halide, High Bay Fixture	444.65	148.81
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
		For Tempered Glass Or Acrylic Lens, Add	*60.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Security Chain, Add	*19.34*	
		For Optical Safety Chain, Add	*7.47*	
		For Ballast Safety Chain, Add	*12.13*	
26 51 23 00-0028	EA	1,000 Watt Metal Halide, High Bay Fixture	579.05	156.53
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
		For Tempered Glass Or Acrylic Lens, Add	*60.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Security Chain, Add	*19.34*	
		For Optical Safety Chain, Add	*7.47*	
		For Ballast Safety Chain, Add	*12.13*	

26 51 23 00-0029 Induction, High Bay Fixtures *(26 51 23 00-0020)*

26 51 23 00-0030 Induction, High Bay Fixtures (Everlast®) *(26 51 23 00-0029)*

Note: Includes die cast aluminum ballast casing and acrylic lens.

26 51 23 00-0031	EA	100 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	493.15	114.03
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0032	EA	120 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	528.30	117.83
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0033	EA	150 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	538.11	121.63
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0034	EA	200 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	585.42	125.43
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0035	EA	250 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	600.31	129.24
		For Impact Resistant Silicon Lens, Add	*20.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 23 00-0036	EA	100 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	528.62	114.03
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0037	EA	120 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	563.77	117.83
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0038	EA	150 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	573.59	121.63
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0039	EA	200 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	620.89	125.43
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0040	EA	250 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	635.78	129.24
		For Impact Resistant Silicon Lens, Add	*20.00*	

26 51 23 00-0041 Ceiling Mounted, Large Interior Area Fixtures *(26 51 23 00-0001)*

Note: Heavy-duty aluminum housing, aluminum reflector, acrylic drop dish lens, fully gasketed.

26 51 23 00-0042 High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixtures *(26 51 23 00-0041)*

26 51 23 00-0043	EA	100 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	366.94	87.37
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	
26 51 23 00-0044	EA	150 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	693.34	87.37
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	
26 51 23 00-0045	EA	250 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	796.98	87.37
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	
26 51 23 00-0046	EA	400 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	1,066.60	87.37
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	

26 51 23 00-0047 Metal Halide, Ceiling Mounted, Large Interior Area Fixtures *(26 51 23 00-0041)*

26 51 23 00-0048	EA	100 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	318.23	87.37
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	
26 51 23 00-0049	EA	175 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	334.80	96.95
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	
26 51 23 00-0050	EA	250 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	356.14	105.01
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	
26 51 23 00-0051	EA	400 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	400.02	125.06
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	

26 51 23 00-0052 High Pressure Sodium, Recessed Fixture Housings *(26 51 23)*

26 51 23 00-0053	EA	4" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	167.11	36.31
		For ICAT Housing, Add	*14.56*	
26 51 23 00-0054	EA	5" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	174.65	36.31
		For ICAT Housing, Add	*15.54*	
26 51 23 00-0055	EA	6" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	183.45	37.82
		For ICAT Housing, Add	*16.35*	
26 51 23 00-0056	EA	7" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	190.09	39.46
		For ICAT Housing, Add	*16.88*	
26 51 23 00-0057	EA	8" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	196.65	41.10
		For ICAT Housing, Add	*17.40*	
26 51 23 00-0058	EA	10" To 12" Square, High Pressure Sodium, T Or ICT Recessed Fixture Housing	202.44	43.62
		For ICAT Housing, Add	*17.66*	

26 51 23 00-0059 Metal Halide Track Lighting Fixtures *(26 51 23)*

26 51 23 00-0060	EA	Metal Halide Track Lighting Fixture	108.80	21.05

26 51 23 00-0061 Metal Halide, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures *(26 51 23)*

26 51 23 00-0062	EA	75 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	175.09	50.43
		For Wall Mounted, Add	*6.30*	
26 51 23 00-0063	EA	100 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	180.18	50.43
		For Wall Mounted, Add	*6.30*	
26 51 23 00-0064	EA	150 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	190.51	50.43
		For Wall Mounted, Add	*6.30*	
26 51 23 00-0065	EA	175 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	206.05	50.43
		For Wall Mounted, Add	*6.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 23 00-0066		High Pressure Sodium, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures *(26 51 23)*		
26 51 23 00-0067	EA	70 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	162.98	50.43
		For Wall Mounted, Add	*6.67*	
26 51 23 00-0068	EA	100 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	169.30	50.43
		For Wall Mounted, Add	*6.67*	
26 51 23 00-0069	EA	150 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	193.73	50.43
		For Wall Mounted, Add	*6.67*	
26 51 33		**Interior Lighting Accessories** *(26 51)*		
26 51 33 00-0001		Accessories And Modifiers For Fixtures *(26 51 33)*		
26 51 33 00-0002		Lens Modifications *(26 51 33 00-0001)*		
26 51 33 00-0003	EA	For 1' x 2' Drop Dish Diffuser Instead Of Prismatic Lens, Add	38.81	
26 51 33 00-0004	EA	For 1' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add	47.94	
26 51 33 00-0005	EA	For 2' x 2' Drop Dish Diffuser Instead Of Prismatic Lens, Add	50.23	
26 51 33 00-0006	EA	For 2' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add	54.79	
26 51 33 00-0007	EA	For 4' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add	66.21	
26 51 33 00-0008	EA	For 1' x 2' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add	15.98	
26 51 33 00-0009	EA	For 1' x 4' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add	22.83	
26 51 33 00-0010	EA	For 2' x 2' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add	25.11	
26 51 33 00-0011	EA	For 2' x 4' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add	29.68	
26 51 33 00-0012		Pendant Mounting Modifications *(26 51 33 00-0001)* Note: Per pendant. Use demolition cost for associated light fixture for demolition of pendant mounted light fixture assembly.		
26 51 33 00-0013	EA	For Pendant Mounting Up to 1'-6" Long Section Note: Per pendant.	17.35	
26 51 33 00-0014	EA	For Pendant Mounting 2' Long Section Note: Per pendant.	20.09	
26 51 33 00-0015	EA	For Pendant Mounting 3' Long Section Note: Per pendant.	25.71	
26 51 33 00-0016	EA	For Pendant Mounting 4' Long Section Note: Per pendant.	30.36	
26 51 33 00-0017	EA	For Pendant Mounting 6' Long Section Note: Per pendant.	38.35	
26 51 33 00-0018	EA	For Pendant Mounting 8' Long Section Note: Per pendant.	52.05	
26 51 33 00-0019		Fluorescent Light Accessories *(26 51 33 00-0001)*		
26 51 33 00-0020	EA	Blank Metal Light Box Plate	30.98	
26 51 33 00-0021	EA	Factory Installed Fixture Mounted Occupancy Sensor	175.77	
26 51 33 00-0022		Wire Guards *(26 51 33 00-0001)*		
26 51 33 00-0023	EA	Wire Guard for 6" x 2' Fixture	73.66	6.31
26 51 33 00-0024	EA	Wire Guard for 6" x 4' Fixture	103.20	10.10
26 51 33 00-0025	EA	Wire Guard for 1" x 2' Fixture	82.25	6.95
26 51 33 00-0026	EA	Wire Guard for 1" x 4' Fixture	116.68	10.73
26 51 33 00-0027	EA	Wire Guard for 2" x 2' Fixture	100.61	7.58
26 51 33 00-0028	EA	Wire Guard for 2" x 4' Fixture	137.46	11.36
26 51 33 00-0029		Lighting Accessories *(26 51 33)*		
26 51 33 00-0030		Modular Flexible Wiring Systems *(26 51 33 00-0029)*		
26 51 33 00-0031	EA	10' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-10)	106.03	6.80
26 51 33 00-0032	EA	15' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-15)	125.85	6.80
26 51 33 00-0033	EA	20' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-20)	152.40	6.80
26 51 33 00-0034	EA	15' Length, 2-Circuit, Modular Lighting Cable (Day-Brite LC-27-2E-15)	125.85	6.80
26 51 33 00-0035	EA	3 Out, 3-Circuit, Modular Lighting Interface (Day-Brite LI-27-3E)	103.87	6.80
26 51 33 00-0036	EA	13' Length, 2-Circuit, Modular Reddy-Connect Cable (Day-Brite RC-27-2D-13)	157.34	6.80
26 51 33 00-0037	EA	3" Length, 2-Circuit, Modular Lighting Adapter (Day-Brite LA-27-7M)	84.99	6.80
26 51 33 00-0038	EA	3" Length, 2-Circuit, Modular Lighting Tap (Day-Brite LT-27-2E)	96.81	6.80
26 51 33 00-0039	EA	7' Length, Single Level, Modular Lighting Switch Unit (Day-Brite LS-27-SL-07)	126.92	6.80
26 51 33 00-0040	EA	7' Length, 1-Circuit Multi-Level, Modular Lighting Switch Unit (Day-Brite LS-27-ML-07)	126.92	6.80
26 51 33 00-0041	EA	7' Length, 2-Circuit Multi-Level, Modular Lighting Switch Unit (Day-Brite LS-27-2C-07)	129.15	6.80
26 51 33 00-0042	EA	7' Length, 1st 3-Way, Modular Lighting Switch Unit (Day-Brite LS-27-3A-07)	128.33	6.80
26 51 33 00-0043	EA	7' Length, 2nd 3-Way, Modular Lighting Switch Unit (Day-Brite LS-27-3B-07)	128.33	6.80
26 51 33 00-0044	EA	15' Length, Single Level, Modular Lighting Switch Unit (Day-Brite LS-27-SL-15)	148.23	6.80
26 51 33 00-0045	EA	3" Length, 2-Circuit, Modular Lighting Adapter (Day-Brite LA-27-4D)	65.43	6.80
26 51 33 00-0046	EA	3" Length, 1-Circuit, Modular Lighting Distribution Cable (Day-Brite LD-27-1E)	60.78	6.80
26 51 33 00-0047	EA	3" Length, 2-Circuit, Modular Lighting Distribution Cable (Day-Brite LD-27-2E)	62.40	6.80
26 51 33 00-0048	EA	3" Length, 1-Circuit, Modular Lighting Tap (Day-Brite LT-27-1E)	79.62	6.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 33 00-0049	EA	15' Length, 1-Circuit, Modular Lighting Tap (Day-Brite LT-27-1E-15)	106.03	6.80
26 51 33 00-0050	EA	15' Length, 1-Circuit, Modular Lighting Cable (Day-Brite LC-27-1E-15)	108.83	6.80
26 51 33 00-0051	EA	Modular Lighting Junction Or Circuit Splitter (Day-Brite LJ-27-3E)	83.90	6.80
26 51 33 00-0052	EA	3" Length, 1-Circuit, Modular Power Distribution Cable (Day-Brite PD-12-1E)	60.78	6.80
26 51 33 00-0053	EA	Removal And Reinstallation Of Modular Wiring Complete Including Storage And Cleaning	56.73	

26 51 33 00-0054 Additional Lighting Wire Whips *(26 51 33)*

26 51 33 00-0055	LF	For Each Additional LF Of Interior Lighting Wire Whip, Add Note: Wire whips are included with interior lighting fixtures, where necessary, up to six feet in length. Use this task for additional required whip length. For example, if the fixture requires a 15' wire whip then use 9 LF of this task to reach required length.	1.90	

26 51 33 00-0056 Removal And Reinstallation Of Light Fixtures *(26 51 33)*

Note: Includes disconnection of wire, on-site storage, general cleaning, installation and electrical wire hook-up.

26 51 33 00-0057	EA	Removal And Reinstallation Of Lay-In Fluorescent Light Fixture	134.19	
26 51 33 00-0058	EA	Removal And Reinstallation Of Surface Mounted Or Pendant Light Fixture	153.35	

26 52 Safety Lighting *(26 50)*

26 52 13 Emergency and Exit Lighting *(26 52)*

26 52 13 13 Emergency Lighting *(26 52 13)*

26 52 13 13-0001 Commercial Emergency Lights *(26 52 13 13)*

26 52 13 13-0002 Polycarbonate Housing, Commercial Emergency Lights *(26 52 13 13-0001)*

Note: Includes lead-calcium batteries and two adjustable lamp heads.

26 52 13 13-0003	EA	3 Max Wattage At 90 Minutes, 3.6 Volt, Polycarbonate Housing, LED Lamps, Commercial Emergency Light (Lithonia ELM2 LED)	254.56	31.52
26 52 13 13-0004	EA	10.8 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM2)	174.06	31.52
		For Halogen Lamps, Add	*27.55*	
		For Self-Diagnostics, Add	*87.50*	
26 52 13 13-0005	EA	18 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM618)	279.41	31.52
		For Halogen Lamps, Add	*27.55*	
		For Self-Diagnostics, Add	*87.50*	
26 52 13 13-0006	EA	27 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM627)	327.10	31.52
		For Halogen Lamps, Add	*27.55*	
		For Self-Diagnostics, Add	*87.50*	
26 52 13 13-0007	EA	54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM654)	490.99	31.52
		For Halogen Lamps, Add	*27.55*	
		For Self-Diagnostics, Add	*87.50*	
26 52 13 13-0008	EA	54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1254)	557.52	31.52
		For Halogen Lamps, Add	*27.55*	
		For Self-Diagnostics, Add	*87.50*	
26 52 13 13-0009	EA	72 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1272)	816.72	31.52
		For Halogen Lamps, Add	*27.55*	
		For Self-Diagnostics, Add	*87.50*	

26 52 13 13-0010 Remote Heads For Commercial Emergency Lights *(26 52 13 13-0001)*

Note: For use with fixtures that have remote capability.

26 52 13 13-0011	EA	6 Watt, 6 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H0606)	172.76	18.91
26 52 13 13-0012	EA	6 Watt, 6 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0606)	173.96	18.91
26 52 13 13-0013	EA	8 Watt, 8 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0806)	177.98	18.91
26 52 13 13-0014	EA	12 Watt, 12 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H1212)	177.33	18.91
26 52 13 13-0015	EA	12 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H1212)	152.63	18.91
26 52 13 13-0016	EA	12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206)	103.57	18.91

26 52 13 13-0017 Industrial Emergency Lights *(26 52 13 13)*

26 52 13 13-0018 Painted Steel Housing, Industrial Emergency Lights *(26 52 13 13-0017)*

26 52 13 13-0019 Painted Steel Housing, Industrial Emergency Lights *(26 52 13 13-0018)*

Note: Includes lead-calcium batteries and two adjustable lamp heads.

26 52 13 13-0020	EA	16 Max Wattage At 90 Minutes, 6 Volt, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT16)	454.79	31.52
		For Wireguard, Add	*235.71*	
26 52 13 13-0021	EA	24 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT24)	380.36	31.52
		For Wireguard, Add	*235.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 13-0022	EA	36 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT36)	597.90	31.52
		For Wireguard, Add	*235.71*	
26 52 13 13-0023	EA	50 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT50)	635.44	31.52
		For Wireguard, Add	*235.71*	
26 52 13 13-0024	EA	125 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT125)	910.77	31.52
		For Wireguard, Add	*251.06*	
26 52 13 13-0025	EA	275 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT275)	1,437.47	31.52
		For Wireguard, Add	*251.06*	

26 52 13 13-0026 Remote Heads For Painted Steel Housing, Industrial Emergency Lights *(26 52 13 13-0018)*

Note: For use with fixtures that have remote capability.

26 52 13 13-0027	EA	8 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N0806)	131.84	18.91
		For Wireguard, Add	*190.22*	
26 52 13 13-0028	EA	12 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206)	136.52	18.91
		For Wireguard, Add	*190.22*	
26 52 13 13-0029	EA	8 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H0812)	132.50	18.91
		For Wireguard, Add	*190.22*	
26 52 13 13-0030	EA	12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1212)	133.26	18.91
		For Wireguard, Add	*190.22*	
26 52 13 13-0031	EA	12 Watt, 25 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N2512)	136.52	18.91
		For Wireguard, Add	*190.22*	
26 52 13 13-0032	EA	12 Watt, 25 Volt, Aluminum Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA MT N2512)	160.25	18.91
		For Wireguard, Add	*190.22*	

26 52 13 13-0033 Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights *(26 52 13 13-0017)*

26 52 13 13-0034 Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights *(26 52 13 13-0033)*

Note: Includes lead-calcium batteries and two adjustable lamp heads.

26 52 13 13-0035	EA	18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND618)	448.81	31.52
		For Wireguard, Add	*229.18*	
		For Self-Diagnostics, Add	*105.50*	
26 52 13 13-0036	EA	36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1236)	488.53	31.52
		For Wireguard, Add	*229.18*	
		For Self-Diagnostics, Add	*105.50*	
26 52 13 13-0037	EA	54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND654)	477.65	31.52
		For Wireguard, Add	*229.18*	
		For Self-Diagnostics, Add	*105.50*	
26 52 13 13-0038	EA	54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1254)	505.40	31.52
		For Wireguard, Add	*229.18*	
		For Self-Diagnostics, Add	*105.50*	
26 52 13 13-0039	EA	100 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND12100)	856.90	31.52
		For Wireguard, Add	*229.18*	
		For Self-Diagnostics, Add	*105.50*	
26 52 13 13-0040	EA	18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX618)	671.35	31.52
		For Wireguard, Add	*229.18*	
		For Self-Diagnostics, Add	*61.50*	
26 52 13 13-0041	EA	36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1236)	752.97	31.52
		For Wireguard, Add	*229.18*	
		For Self-Diagnostics, Add	*61.50*	
26 52 13 13-0042	EA	54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1254)	794.32	31.52
		For Wireguard, Add	*229.18*	
		For Self-Diagnostics, Add	*61.50*	

26 52 13 13-0043 Remote Heads For Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights *(26 52 13 13-0033)*

Note: For use with fixtures that have remote capability.

26 52 13 13-0044	EA	9 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0906)	113.89	18.91
26 52 13 13-0045	EA	12 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1206)	123.36	18.91

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 13-0046	EA	9 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0912)	114.00	18.91
26 52 13 13-0047	EA	12 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1212)	120.96	18.91
26 52 13 13-0048	EA	12 Watt, 20 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H2012)	103.07	18.91
26 52 13 13-0049		Outdoor Emergency Lights *(26 52 13 13)*		
26 52 13 13-0050		Gasketed Die-Cast Aluminum Housing, Outdoor Emergency Lights *(26 52 13 13-0049)*		
		Note: Includes nickel-cadmium batteries.		
26 52 13 13-0051	EA	10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light (Dual-Lite PG Series)	711.07	31.52
26 52 13 13-0052	EA	10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light With Heater (Dual-Lite PG Series)	849.82	31.52
26 52 13 13-0053		Recessed Emergency Lights *(26 52 13 13)*		
26 52 13 13-0054	EA	10 Watt At 90 Minutes, 6 Volt, Halogen Lamp, 8" Round, Recessed High-Hat Emergency Light (Lithonia ELRG)	775.80	31.52
		For Wire Guard, Add	*60.00*	
26 52 13 13-0055	EA	16 Max Wattage At 90 Minutes, 6 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR2)	605.14	63.03
		Note: Includes lead-calcium batteries and two adjustable lamp heads.		
		For Wireguard, Add	*251.06*	
26 52 13 13-0056	EA	50 Max Wattage At 90 Minutes, 12 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR4)	874.05	63.03
		Note: Includes lead-calcium batteries and two adjustable lamp heads.		
		For Wireguard, Add	*251.06*	
26 52 13 13-0057		Square Wraparound Emergency Lights *(26 52 13 13)*		
26 52 13 13-0058	EA	10 Max Wattage At 90 Minutes, 6 Volt, Halogen Lamp, 10-5/16" x 10-5/16" Lexan Frame, Square Wraparound Emergency Light (Lithonia ELSQ)	351.67	31.52
26 52 13 16		**Exit Signs** *(26 52 13)*		
		Note: Excludes pendants.		
26 52 13 16-0001		LED Exit Signs *(26 52 13 16)*		
		Note: Includes red LED lamps.		
26 52 13 16-0002	EA	Single Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM-S-W-3-R-120/277-M6)	202.21	46.08
		For Green LED Lamps, Add	*15.00*	
		For >50 To 100, Deduct	*-7.36*	
		For >100 To 250, Deduct	*-12.41*	
		For >250 To 500, Deduct	*-20.22*	
		For >500, Deduct	*-28.03*	
26 52 13 16-0003	EA	Double Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM-S-W-3-R-120/277-M6)	202.21	46.08
		For Green LED Lamps, Add	*15.00*	
		For >50 To 100, Deduct	*-7.36*	
		For >100 To 250, Deduct	*-12.41*	
		For >250 To 500, Deduct	*-20.22*	
		For >500, Deduct	*-28.03*	
26 52 13 16-0004	EA	Single Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM-S-W-3-R-120/277-EL-N-M6)	284.52	46.08
		For Green LED Lamps, Add	*15.00*	
		For Self-Diagnostics, Add	*50.00*	
		For >50 To 100, Deduct	*-9.42*	
		For >100 To 250, Deduct	*-16.53*	
		For >250 To 500, Deduct	*-28.45*	
		For >500, Deduct	*-40.37*	
26 52 13 16-0005	EA	Double Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM ELN)	284.52	46.08
		For Green LED Lamps, Add	*15.00*	
		For Self-Diagnostics, Add	*50.00*	
		For >50 To 100, Deduct	*-9.42*	
		For >100 To 250, Deduct	*-16.53*	
		For >250 To 500, Deduct	*-28.45*	
		For >500, Deduct	*-40.37*	
26 52 13 16-0006	EA	Single Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC-W-1-R)	313.94	46.08
		For Green LED Lamps, Add	*15.00*	
		For >50 To 100, Deduct	*-10.15*	
		For >100 To 250, Deduct	*-18.00*	
		For >250 To 500, Deduct	*-31.39*	
		For >500, Deduct	*-44.79*	
26 52 13 16-0007	EA	Double Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC-W-2-R)	356.85	46.08
		For Green LED Lamps, Add	*15.00*	
		For >50 To 100, Deduct	*-11.23*	
		For >100 To 250, Deduct	*-20.15*	
		For >250 To 500, Deduct	*-35.69*	
		For >500, Deduct	*-51.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 16-0008	EA	Single Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC-W-1-R-EL-N)	296.00	46.08
		For Green LED Lamps, Add	*15.00*	
		For Self-Diagnostics, Add	*50.00*	
		For >50 To 100, Deduct	*-9.70*	
		For >100 To 250, Deduct	*-17.10*	
		For >250 To 500, Deduct	*-29.60*	
		For >500, Deduct	*-42.10*	
26 52 13 16-0009	EA	Double Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC-W-2-R-EL-N)	327.15	46.08
		For Green LED Lamps, Add	*15.00*	
		For Self-Diagnostics, Add	*50.00*	
		For >50 To 100, Deduct	*-10.48*	
		For >100 To 250, Deduct	*-18.66*	
		For >250 To 500, Deduct	*-32.72*	
		For >500, Deduct	*-46.77*	
26 52 13 16-0010	EA	Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM-S-W-3-R-M4) Note: Includes two circular side mounted krypton emergency lights.	376.32	46.08
		For Green LED Lamps, Add	*15.00*	
		For >50 To 100, Deduct	*-12.56*	
		For >100 To 250, Deduct	*-21.97*	
		For >250 To 500, Deduct	*-37.63*	
		For >500, Deduct	*-53.30*	
26 52 13 16-0011	EA	Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM-LED-R-M6) Note: Includes two circular side mounted LED emergency lights.	318.24	46.08
		For Green LED Lamps, Add	*15.00*	
		For >50 To 100, Deduct	*-11.11*	
		For >100 To 250, Deduct	*-19.06*	
		For >250 To 500, Deduct	*-31.82*	
		For >500, Deduct	*-44.58*	
26 52 13 16-0012	EA	Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM-PH) Note: Includes two rectangular front mounted high intensity tungsten emergency lights.	473.49	46.08
		For Green LED Lamps, Add	*15.00*	
		For >50 To 100, Deduct	*-14.99*	
		For >100 To 250, Deduct	*-26.83*	
		For >250 To 500, Deduct	*-47.35*	
		For >500, Deduct	*-67.87*	
26 52 13 16-0013	EA	Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM) Note: Includes two circular side mounted PAR 36 emergency lights.	496.10	46.08
		For Green LED Lamps, Add	*15.00*	
		For >50 To 100, Deduct	*-15.55*	
		For >100 To 250, Deduct	*-27.96*	
		For >250 To 500, Deduct	*-49.61*	
		For >500, Deduct	*-71.26*	
26 52 13 16-0014	EA	Single Or Double Face, Polycarbonate Housing, LED Emergency Exit Sign (Eaton Lighting APX6R)	132.87	46.08
		For >50 To 100, Deduct	*-5.63*	
		For >100 To 250, Deduct	*-8.95*	
		For >250 To 500, Deduct	*-13.29*	
		For >500, Deduct	*-17.63*	
26 52 13 16-0015	EA	120-277 Volt, LED Emergency Exit Sign With Nickel Cadmium Battery, Red (Cooper Industries APX7R)	133.40	46.08
		For >50 To 100, Deduct	*-5.64*	
		For >100 To 250, Deduct	*-8.97*	
		For >250 To 500, Deduct	*-13.34*	
		For >500, Deduct	*-17.71*	
26 52 13 16-0016	EA	Single Or Double Face, Thermoplastic Housing, LED Emergency Exit Sign With Emergency Battery (Dualite EVE-U-G0W-E)	195.05	46.08
		For >50 To 100, Deduct	*-7.18*	
		For >100 To 250, Deduct	*-12.06*	
		For >250 To 500, Deduct	*-19.51*	
		For >500, Deduct	*-26.95*	

26 52 13 16-0017 Edge-Lit LED Exit Signs *(26 52 13 16)*

Note: Includes red LED lamps.

26 52 13 16-0018	EA	Single Face, Edge-Lit LED Exit Sign (Lithonia EDG-1- R-M6)	279.28	46.08
		For Green LED Lamps, Add	*40.00*	
		For >50 To 100, Deduct	*-9.29*	
		For >100 To 250, Deduct	*-16.27*	
		For >250 To 500, Deduct	*-27.93*	
		For >500, Deduct	*-39.59*	
26 52 13 16-0019	EA	Double Face, Edge-Lit LED Exit Sign (Lithonia EDG-2-R-M6)	282.25	46.08
		For Green LED Lamps, Add	*40.00*	
		For >50 To 100, Deduct	*-9.36*	
		For >100 To 250, Deduct	*-16.42*	
		For >250 To 500, Deduct	*-28.23*	
		For >500, Deduct	*-40.03*	
26 52 13 16-0020	EA	Single Face, Edge-Lit LED Exit Sign With Battery Back-Up (Lithonia EDG-1-R-EL-M6)	302.35	46.08
		For Green LED Lamps, Add	*40.00*	
		For Self-Diagnostics, Add	*50.00*	
		For >50 To 100, Deduct	*-9.86*	
		For >100 To 250, Deduct	*-17.42*	
		For >250 To 500, Deduct	*-30.24*	
		For >500, Deduct	*-43.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 16-0021	EA	Double Face, Edge-Lit LED Exit Sign With Battery Back-Up (Lithonia EDG-2-R-EL-M6)	362.43	46.08
		For Green LED Lamps, Add	*40.00*	
		For Self-Diagnostics, Add	*50.00*	
		For >50 To 100, Deduct	*-11.36*	
		For >100 To 250, Deduct	*-20.43*	
		For >250 To 500, Deduct	*-36.24*	
		For >500, Deduct	*-52.06*	

26 52 13 16-0022 Self-Luminous Tritium Exit Signs *(26 52 13 16)*

Note: Includes red or green tritium filled pyrex glass light tubes with phosphor coating.

26 52 13 16-0023	EA	10 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-S-10-R)	601.45	46.08
		For >50 To 100, Deduct	*-17.34*	
		For >100 To 250, Deduct	*-32.38*	
		For >250 To 500, Deduct	*-60.15*	
		For >500, Deduct	*-87.91*	
26 52 13 16-0024	EA	10 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-D-10-R)	1,110.20	46.08
		For >50 To 100, Deduct	*-30.06*	
		For >100 To 250, Deduct	*-57.81*	
		For >250 To 500, Deduct	*-111.02*	
		For >500, Deduct	*-164.23*	
26 52 13 16-0025	EA	20 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-S-20-R)	717.35	46.08
		For >50 To 100, Deduct	*-20.24*	
		For >100 To 250, Deduct	*-38.17*	
		For >250 To 500, Deduct	*-71.74*	
		For >500, Deduct	*-105.30*	
26 52 13 16-0026	EA	20 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-D-20-R)	1,203.25	46.08
		For >50 To 100, Deduct	*-32.39*	
		For >100 To 250, Deduct	*-62.47*	
		For >250 To 500, Deduct	*-120.33*	
		For >500, Deduct	*-178.18*	
26 52 13 16-0027	EA	10 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-01-10-R)	659.13	46.08
		For >50 To 100, Deduct	*-18.78*	
		For >100 To 250, Deduct	*-35.26*	
		For >250 To 500, Deduct	*-65.91*	
		For >500, Deduct	*-96.57*	
26 52 13 16-0028	EA	10 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-07-10-R)	1,203.25	46.08
		For >50 To 100, Deduct	*-32.39*	
		For >100 To 250, Deduct	*-62.47*	
		For >250 To 500, Deduct	*-120.33*	
		For >500, Deduct	*-178.18*	
26 52 13 16-0029	EA	20 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-01-20-R)	809.85	46.08
		For >50 To 100, Deduct	*-22.55*	
		For >100 To 250, Deduct	*-42.80*	
		For >250 To 500, Deduct	*-80.99*	
		For >500, Deduct	*-119.17*	
26 52 13 16-0030	EA	20 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-07-20-R)	1,494.89	46.08
		For >50 To 100, Deduct	*-39.68*	
		For >100 To 250, Deduct	*-77.05*	
		For >250 To 500, Deduct	*-149.49*	
		For >500, Deduct	*-221.93*	

26 52 13 16-0031 Vandal-Resistant LED Exit Signs *(26 52 13 16)*

Note: Includes red LED lamps.

26 52 13 16-0032	EA	Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign (Lithonia LV-S-W-1-R-120/277)	567.17	46.08
		For >50 To 100, Deduct	*-16.48*	
		For >100 To 250, Deduct	*-30.66*	
		For >250 To 500, Deduct	*-56.72*	
		For >500, Deduct	*-82.77*	
26 52 13 16-0033	EA	Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup (Lithonia LV-S-W-1-R-120/277-EL-N)	882.22	46.08
		For >50 To 100, Deduct	*-24.36*	
		For >100 To 250, Deduct	*-46.42*	
		For >250 To 500, Deduct	*-88.22*	
		For >500, Deduct	*-130.03*	
26 52 13 16-0034	EA	Single Face, Aluminum Housing, NEMA 4X, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup (Lithonia LV-S-1-R-120/277-EL-N-UM-4X)	1,075.38	46.08
		For >50 To 100, Deduct	*-29.19*	
		For >100 To 250, Deduct	*-56.07*	
		For >250 To 500, Deduct	*-107.54*	
		For >500, Deduct	*-159.00*	

26 52 13 16-0035 Removal And Reinstallation Of Exit Light Fixture *(26 52 13 16)*

26 52 13 16-0036	EA	Removal And Reinstall Of Exit Light Fixtures Note: Includes storage and cleaning.	94.55	
		For >50 To 100, Deduct	*-4.73*	
		For >100 To 250, Deduct	*-7.09*	
		For >250 To 500, Deduct	*-9.46*	
		For >500, Deduct	*-11.82*	

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LOS ANGELES COUNTY WATERWORKS DISTRICTS

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 16-0037		Exit Sign Accessories *(26 52 13 16)*		
26 52 13 16-0038	EA	Polycarbonate Vandal Shield For Exit Signs (Radiant-Lite BG-1)	134.05	12.63
		For >50 To 100, Deduct	*-3.98*	
		For >100 To 250, Deduct	*-7.33*	
		For >250 To 500, Deduct	*-13.41*	
		For >500, Deduct	*-19.48*	
26 52 13 16-0039	EA	Wire Guard For Exit Signs Or Emergency Lights (Best Lighting Products WG-1)	77.74	12.63
		For >50 To 100, Deduct	*-2.57*	
		For >100 To 250, Deduct	*-4.52*	
		For >250 To 500, Deduct	*-7.77*	
		For >500, Deduct	*-11.03*	
26 52 13 16-0040	EA	Wire Guard For Combination Exit Sign And Emergency Light (Best Lighting Products WG-3)	125.17	10.10
		For >50 To 100, Deduct	*-3.63*	
		For >100 To 250, Deduct	*-6.76*	
		For >250 To 500, Deduct	*-12.52*	
		For >500, Deduct	*-18.27*	
26 52 13 16-0041	EA	Removal And Replacement Of Battery For Exit Signs	133.74	
		Note: Battery: nickel cadmium, 1.2 volt, 1 Ah battery capacity		
		For >50 To 100, Deduct	*-4.13*	
		For >100 To 250, Deduct	*-7.48*	
		For >250 To 500, Deduct	*-13.37*	
		For >500, Deduct	*-19.27*	

26 54 Classified Location Lighting *(26 50)*

26 54 19 LED Classified Location Lighting *(26 54)*

26 54 19 00-0001 Class I Division 2, Hazardous Location, LED Fixtures *(26 54 19)*

26 54 19 00-0002 Class I Division 2, Hazardous Location, NEMA 4X, LED Floodlight (Cooper Champ® FMV) *(26 54 19 00-0001)*

Note: Includes 5,600K CRI LED arrays, shatter resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 54 19 00-0003	EA	5,183 Lumens, 45 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV5L)	2,587.67	103.66
		For Bolt-On Visor, Add	*98.76*	
		For Bolt-On Wire Guard, Add	*203.13*	
		For 480 Volt, Add	*173.91*	
		For Warm White Color Rendering, Add	*73.84*	
		For >50 To 100, Deduct	*-69.01*	
		For >100 To 250, Deduct	*-133.70*	
		For >250 To 500, Deduct	*-258.77*	
		For >500, Deduct	*-383.83*	
26 54 19 00-0004	EA	7,095 Lumens, 62 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV7L)	3,168.07	110.57
		For Bolt-On Visor, Add	*98.76*	
		For Bolt-On Wire Guard, Add	*203.13*	
		For 480 Volt, Add	*173.91*	
		For Warm White Color Rendering, Add	*73.84*	
		For >50 To 100, Deduct	*-83.81*	
		For >100 To 250, Deduct	*-163.01*	
		For >250 To 500, Deduct	*-316.81*	
		For >500, Deduct	*-470.60*	
26 54 19 00-0005	EA	9,132 Lumens, 79 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV9L)	3,577.85	117.49
		For Bolt-On Visor, Add	*98.76*	
		For Bolt-On Wire Guard, Add	*203.13*	
		For 480 Volt, Add	*173.91*	
		For Warm White Color Rendering, Add	*73.84*	
		For >50 To 100, Deduct	*-94.34*	
		For >100 To 250, Deduct	*-183.79*	
		For >250 To 500, Deduct	*-357.79*	
		For >500, Deduct	*-531.78*	
26 54 19 00-0006	EA	11,107 Lumens, 99 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV11L)	3,998.98	124.39
		For Bolt-On Visor, Add	*98.76*	
		For Bolt-On Wire Guard, Add	*203.13*	
		For 480 Volt, Add	*173.91*	
		For Warm White Color Rendering, Add	*73.84*	
		For >50 To 100, Deduct	*-105.16*	
		For >100 To 250, Deduct	*-205.13*	
		For >250 To 500, Deduct	*-399.90*	
		For >500, Deduct	*-594.66*	

26 54 19 00-0007 Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Vaporgard™ V2LC) *(26 54 19 00-0001)*

Note: Includes 5,600K CRI LED arrays, heat resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 54 19 00-0008	EA	1,600 Lumens, 25 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Vaporgard™ V2LC)	1,532.32	96.75
		For 12/24 Volt DC Driver, Add	*28.07*	
		For Frosted Lens, Add	*57.36*	
		For Warm White Color Temperature LEDs, Add	*73.84*	
		For 55 Degree Ambient Suitability (AC Only) Option, Add	*38.21*	
		For Stanchion Mount, Add	*236.62*	
		For Ceiling Mount, Add	*94.88*	
		For Wall Mount, Add	*138.51*	
		For Teflon Coated Lens, Add	*121.74*	
		For Wall Mount With Junction Box, Add	*202.23*	
		For >50 To 100, Deduct	*-42.34*	
		For >100 To 250, Deduct	*-80.65*	
		For >250 To 500, Deduct	*-153.23*	
		For >500, Deduct	*-225.82*	

26 54 19 00-0009 Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV) *(26 54 19 00-0001)*

Note: Includes 5,600K CRI LED arrays, heat and impact resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

26 54 19 00-0010	EA	3,240 Lumens, 47 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV3L)	2,432.13	96.75
		For Ceiling Mount, Add	*18.16*	
		For Quick Clip Mounting Option, Add	*26.67*	
		For Frosted Lens, Add	*57.36*	
		For Warm White Color Rendering, Add	*73.84*	
		For Polycarbonate Lens, Add	*106.32*	
		For 480 Volt, Add	*173.91*	
		For >50 To 100, Deduct	*-64.83*	
		For >100 To 250, Deduct	*-125.64*	
		For >250 To 500, Deduct	*-243.21*	
		For >500, Deduct	*-360.79*	
26 54 19 00-0011	EA	3,778 Lumens, 63 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV5L)	2,693.55	103.66
		For Ceiling Mount, Add	*18.16*	
		For Quick Clip Mounting Option, Add	*26.67*	
		For Frosted Lens, Add	*57.36*	
		For Warm White Color Rendering, Add	*73.84*	
		For Polycarbonate Lens, Add	*106.32*	
		For 480 Volt, Add	*173.91*	
		For >50 To 100, Deduct	*-71.66*	
		For >100 To 250, Deduct	*-139.00*	
		For >250 To 500, Deduct	*-269.36*	
		For >500, Deduct	*-399.71*	
26 54 19 00-0012	EA	6,340 Lumens, 98 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV7L)	3,017.68	110.57
		For Ceiling Mount, Add	*18.16*	
		For Quick Clip Mounting Option, Add	*26.67*	
		For Frosted Lens, Add	*57.36*	
		For Warm White Color Rendering, Add	*73.84*	
		For Polycarbonate Lens, Add	*106.32*	
		For 480 Volt, Add	*173.91*	
		For >50 To 100, Deduct	*-80.05*	
		For >100 To 250, Deduct	*-155.49*	
		For >250 To 500, Deduct	*-301.77*	
		For >500, Deduct	*-448.04*	
26 54 19 00-0013	EA	6,340 Lumens, 98 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV9L)	3,929.99	117.49
		For Ceiling Mount, Add	*18.16*	
		For Quick Clip Mounting Option, Add	*26.67*	
		For Frosted Lens, Add	*57.36*	
		For Warm White Color Rendering, Add	*73.84*	
		For Polycarbonate Lens, Add	*106.32*	
		For 480 Volt, Add	*173.91*	
		For >50 To 100, Deduct	*-103.15*	
		For >100 To 250, Deduct	*-201.39*	
		For >250 To 500, Deduct	*-393.00*	
		For >500, Deduct	*-584.60*	
26 54 19 00-0014	EA	9,720 Lumens, 137 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV11L)	4,508.31	124.39
		For Ceiling Mount, Add	*18.16*	
		For Quick Clip Mounting Option, Add	*26.67*	
		For Frosted Lens, Add	*57.36*	
		For Warm White Color Rendering, Add	*73.84*	
		For Polycarbonate Lens, Add	*106.32*	
		For 480 Volt, Add	*173.91*	
		For >50 To 100, Deduct	*-117.89*	
		For >100 To 250, Deduct	*-230.60*	
		For >250 To 500, Deduct	*-450.83*	
		For >500, Deduct	*-671.06*	

26 54 19 00-0015 Class I Division 1, Explosion Proof, LED Fixtures *(26 54 19)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 54 19 00-0016		Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL) *(26 54 19 00-0015)* Note: Includes 5,600K CRI LED arrays, shatter resistant and explosion proof glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 54 19 00-0017	EA	5,625 Lumens, 80 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL5L)	4,467.19	103.66
		For Wall Mount, Deduct	*-17.16*	
		For Warm Color Temperature LEDs, Add	*92.41*	
		For Stainless Steel Guard, Add	*165.88*	
		For Ceiling Mount, Add	*200.11*	
		For Stanchion Mount, Add	*232.89*	
		For Yoke Mount, Add	*582.23*	
		For >50 To 100, Deduct	*-116.00*	
		For >100 To 250, Deduct	*-227.68*	
		For >250 To 500, Deduct	*-446.72*	
		For >500, Deduct	*-665.76*	
26 54 19 00-0018	EA	6,750 Lumens, 100 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL7L)	5,435.29	110.57
		For Wall Mount, Deduct	*-17.16*	
		For Warm Color Temperature LEDs, Add	*92.41*	
		For Stainless Steel Guard, Add	*165.88*	
		For Ceiling Mount, Add	*200.11*	
		For Stanchion Mount, Add	*232.89*	
		For Yoke Mount, Add	*582.23*	
		For >50 To 100, Deduct	*-140.49*	
		For >100 To 250, Deduct	*-276.37*	
		For >250 To 500, Deduct	*-543.53*	
		For >500, Deduct	*-810.69*	
26 54 19 00-0019	EA	9,000 Lumens, 130 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL9L)	6,316.56	117.49
		For Wall Mount, Deduct	*-17.16*	
		For Warm Color Temperature LEDs, Add	*92.41*	
		For Stainless Steel Guard, Add	*165.88*	
		For Ceiling Mount, Add	*200.11*	
		For Stanchion Mount, Add	*232.89*	
		For Yoke Mount, Add	*582.23*	
		For >50 To 100, Deduct	*-162.81*	
		For >100 To 250, Deduct	*-320.72*	
		For >250 To 500, Deduct	*-631.66*	
		For >500, Deduct	*-942.59*	
26 54 19 00-0020	EA	10,500 Lumens, 151 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL11L)	7,214.05	124.39
		For Wall Mount, Deduct	*-17.16*	
		For Warm Color Temperature LEDs, Add	*92.41*	
		For Stainless Steel Guard, Add	*165.88*	
		For Ceiling Mount, Add	*200.11*	
		For Stanchion Mount, Add	*232.89*	
		For Yoke Mount, Add	*582.23*	
		For >50 To 100, Deduct	*-185.53*	
		For >100 To 250, Deduct	*-365.89*	
		For >250 To 500, Deduct	*-721.41*	
		For >500, Deduct	*-1,076.92*	
26 54 19 00-0021	EA	13,500 Lumens, 175 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL13L)	8,361.93	119.78
		For Wall Mount, Deduct	*-17.16*	
		For Warm Color Temperature LEDs, Add	*92.41*	
		For Stainless Steel Guard, Add	*165.88*	
		For Ceiling Mount, Add	*200.11*	
		For Stanchion Mount, Add	*232.89*	
		For Yoke Mount, Add	*582.23*	
		For >50 To 100, Deduct	*-214.52*	
		For >100 To 250, Deduct	*-423.57*	
		For >250 To 500, Deduct	*-836.19*	
		For >500, Deduct	*-1,248.82*	

26 55 Special Purpose Lighting *(26 50)*

26 55 13 Landscape Lighting *(26 55)*

26 55 13 00-0001		Bollards *(26 55 13)* Note: Excludes concrete base.		
26 55 13 00-0002		Aluminum Architectural Bollards *(26 55 13 00-0001)*		
26 55 13 00-0003		High Pressure Sodium, Aluminum Architectural Bollards *(26 55 13 00-0002)*		
26 55 13 00-0004		Square, High Pressure Sodium, Aluminum Architectural Bollards *(26 55 13 00-0003)*		
26 55 13 00-0005	EA	24" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,635.07	107.16
26 55 13 00-0006	EA	30" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,647.67	113.46
26 55 13 00-0007	EA	36" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,660.28	119.76
26 55 13 00-0008	EA	42" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,535.70	126.07
26 55 13 00-0009	EA	24" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,635.07	107.16
26 55 13 00-0010	EA	30" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,647.67	113.46
26 55 13 00-0011	EA	36" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,660.28	119.76
26 55 13 00-0012	EA	42" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,535.70	126.07

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 13 00-0013	EA	24" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,635.07	107.16
26 55 13 00-0014	EA	30" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,647.67	113.46
26 55 13 00-0015	EA	36" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,660.28	119.76
26 55 13 00-0016	EA	42" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,535.70	126.07
26 55 13 00-0017	EA	24" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,635.07	107.16
26 55 13 00-0018	EA	30" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,647.67	113.46
26 55 13 00-0019	EA	36" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,660.28	119.76
26 55 13 00-0020	EA	42" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,535.70	126.07
26 55 13 00-0021		Round, High Pressure Sodium, Aluminum Architectural Bollards *(26 55 13 00-0003)*		
26 55 13 00-0022	EA	24" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,572.07	107.16
26 55 13 00-0023	EA	30" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,584.67	113.46
26 55 13 00-0024	EA	36" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,597.28	119.76
26 55 13 00-0025	EA	42" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,472.12	126.07
26 55 13 00-0026	EA	24" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,572.07	107.16
26 55 13 00-0027	EA	30" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,584.67	113.46
26 55 13 00-0028	EA	36" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,597.28	119.76
26 55 13 00-0029	EA	42" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,472.12	126.07
26 55 13 00-0030	EA	24" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,572.07	107.16
26 55 13 00-0031	EA	30" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,584.67	113.46
26 55 13 00-0032	EA	36" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,597.28	119.76
26 55 13 00-0033	EA	42" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,472.12	126.07
26 55 13 00-0034	EA	24" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,572.07	107.16
26 55 13 00-0035	EA	30" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,584.67	113.46
26 55 13 00-0036	EA	36" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,597.28	119.76
26 55 13 00-0037	EA	42" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,472.12	126.07
26 55 13 00-0038		Metal Halide, Aluminum Architectural Bollards *(26 55 13 00-0002)*		
26 55 13 00-0039		Square, Metal Halide, Aluminum Architectural Bollards *(26 55 13 00-0038)*		
26 55 13 00-0040	EA	24" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,716.87	107.16
26 55 13 00-0041	EA	30" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,729.47	113.46
26 55 13 00-0042	EA	36" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,742.08	119.76
26 55 13 00-0043	EA	42" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,616.92	126.07
26 55 13 00-0044	EA	24" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,716.87	107.16
26 55 13 00-0045	EA	30" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,729.47	113.46
26 55 13 00-0046	EA	36" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,742.08	119.76
26 55 13 00-0047	EA	42" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,616.92	126.07
26 55 13 00-0048	EA	24" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,716.87	107.16
26 55 13 00-0049	EA	30" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,729.47	113.46
26 55 13 00-0050	EA	36" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,742.08	119.76
26 55 13 00-0051	EA	42" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,685.38	126.07
26 55 13 00-0052		Round, Metal Halide, Aluminum Architectural Bollards *(26 55 13 00-0038)*		
26 55 13 00-0053	EA	24" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,653.30	107.16
26 55 13 00-0054	EA	30" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,665.90	113.46
26 55 13 00-0055	EA	36" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,678.51	119.76
26 55 13 00-0056	EA	42" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,553.35	126.07
26 55 13 00-0057	EA	24" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,653.30	107.16
26 55 13 00-0058	EA	30" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,665.90	113.46
26 55 13 00-0059	EA	36" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,678.51	119.76
26 55 13 00-0060	EA	42" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,553.35	126.07
26 55 13 00-0061	EA	24" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,653.30	107.16
26 55 13 00-0062	EA	30" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,665.90	113.46
26 55 13 00-0063	EA	36" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,678.51	119.76
26 55 13 00-0064	EA	42" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,553.35	126.07
26 55 13 00-0065		Compact Fluorescent, Aluminum Architectural Bollards *(26 55 13 00-0002)*		
26 55 13 00-0066		Square, Compact Fluorescent, Aluminum Architectural Bollards *(26 55 13 00-0065)*		
26 55 13 00-0067	EA	24" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,627.90	107.16
26 55 13 00-0068	EA	30" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,640.50	113.46
26 55 13 00-0069	EA	36" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,653.11	119.76
26 55 13 00-0070	EA	42" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,529.81	126.07
26 55 13 00-0071	EA	24" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,627.90	107.16
26 55 13 00-0072	EA	30" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,640.50	113.46
26 55 13 00-0073	EA	36" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,653.11	119.76
26 55 13 00-0074	EA	42" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,529.81	126.07
26 55 13 00-0075	EA	24" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,627.90	107.16
26 55 13 00-0076	EA	30" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,640.50	113.46
26 55 13 00-0077	EA	36" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,653.11	119.76
26 55 13 00-0078	EA	42" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,529.81	126.07
26 55 13 00-0079		Round, Compact Fluorescent, Aluminum Architectural Bollards *(26 55 13 00-0065)*		
26 55 13 00-0080	EA	24" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,565.71	107.16
26 55 13 00-0081	EA	30" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,578.31	113.46

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 13 00-0082	EA	36" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,590.92	119.76
26 55 13 00-0083	EA	42" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,468.82	126.07
26 55 13 00-0084	EA	24" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,565.71	107.16
26 55 13 00-0085	EA	30" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,578.31	113.46
26 55 13 00-0086	EA	36" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,590.92	119.76
26 55 13 00-0087	EA	42" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,468.82	126.07
26 55 13 00-0088	EA	24" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,565.71	107.16
26 55 13 00-0089	EA	30" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,578.31	113.46
26 55 13 00-0090	EA	36" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,590.92	119.76
26 55 13 00-0091	EA	42" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,468.82	126.07
26 55 13 00-0092		**LED, Aluminum Architectural Bollards** *(26 55 13 00-0002)*		
26 55 13 00-0093		**Square, LED, Aluminum Architectural Bollards** *(26 55 13 00-0092)*		
26 55 13 00-0094	EA	24" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard	1,950.80	107.16
26 55 13 00-0095	EA	30" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard	1,963.40	113.46
26 55 13 00-0096	EA	36" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard	1,976.01	119.76
26 55 13 00-0097	EA	42" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard	1,854.43	126.07
26 55 13 00-0098	EA	24" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard	2,383.72	107.16
26 55 13 00-0099	EA	30" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard	2,396.32	113.46
26 55 13 00-0100	EA	36" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard	2,408.93	119.76
26 55 13 00-0101	EA	42" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard	2,285.20	126.07
26 55 13 00-0102		**Round, LED, Aluminum Architectural Bollards** *(26 55 13 00-0092)*		
26 55 13 00-0103	EA	24" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard	1,886.22	107.16
26 55 13 00-0104	EA	30" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard	1,898.82	113.46
26 55 13 00-0105	EA	36" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard	1,911.43	119.76
26 55 13 00-0106	EA	42" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard	1,787.70	126.07
26 55 13 00-0107	EA	24" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard	2,319.14	107.16
26 55 13 00-0108	EA	30" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard	2,331.74	113.46
26 55 13 00-0109	EA	36" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard	2,344.35	119.76
26 55 13 00-0110	EA	42" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard	2,221.39	126.07
26 55 13 00-0111		**Round, LED, Cast Aluminum Bollards** *(26 55 13 00-0092)*		
26 55 13 00-0112	EA	42" Overall Height, 8" Diameter, 24 Watt, 20 LEDs, Cast Aluminum Bollard (Kim LED VRB1/20L4KUV/DB)	3,054.26	126.07
		For 3/4" Eye Bolt (Paint) Option, Add	*360.00*	
26 55 13 00-0113	EA	42" Overall Height, 8" Diameter, 18 Watt, 15 LEDs, Cast Aluminum Bollard (Kim LED VRB1/15L5KUV/PS MODIFY)	2,506.48	126.07
		For 3/4" Eye Bolt (Paint) Option, Add	*360.00*	
26 55 13 00-0114	EA	42" Overall Height, 8" Diameter, Cast Aluminum Bollard (Kim LED VRB1/UNLIT/PS MODIFY)	2,168.87	126.07
		For 3/4" Eye Bolt (Paint) Option, Add	*360.00*	
26 55 13 00-0115		**Reinforced Concrete Bollards** *(26 55 13 00-0001)*		
26 55 13 00-0116	EA	48" Overall Height, 12" Diameter, LED Light, Reinforced Concrete Bollard	1,605.06	315.17
26 55 13 00-0117	EA	58" Overall Height, 18" Diameter, High Intensity Discharge (HID) Light, Reinforced Concrete Bollard	2,828.99	420.18
26 55 13 00-0118		**Low Voltage** *(26 55 13)*		
26 55 13 00-0119	EA	Low Voltage Recessed Uplight	794.52	229.45
26 55 13 00-0120	EA	Low Voltage Walkway	554.75	126.07
26 55 13 00-0121	EA	Low Voltage Malibu - 5 Light Set	556.70	168.30
26 55 13 00-0122	EA	Low Voltage Mushroom 24" Pier	477.72	126.07
26 55 13 00-0123		**Recessed, Adjustable** *(26 55 13)*		
26 55 13 00-0124	EA	150 Watt Incandescent Recessed, Adjustable	915.08	201.71
26 55 13 00-0125	EA	300 Watt Incandescent Recessed, Adjustable	997.61	201.71
26 55 13 00-0126		**Recessed, Uplight** *(26 55 13)*		
26 55 13 00-0127	EA	50 Watt Incandescent Recessed Uplight	821.54	201.71
26 55 13 00-0128	EA	150 Watt Incandescent Recessed Uplight	838.05	201.71
26 55 13 00-0129	EA	300 Watt Incandescent Recessed Uplight	887.57	201.71
26 55 13 00-0130	EA	500 Watt Quartz Recessed Uplight	882.07	201.71
26 55 13 00-0131	EA	5 Watt, LED Recessed Uplight	1,193.69	201.71
26 55 13 00-0132	EA	15 Watt, LED Recessed Uplight	1,314.30	201.71
26 55 13 00-0133		**Recessed Wall Light** *(26 55 13)*		
26 55 13 00-0134	EA	100 Watt Incandescent Recessed Wall Light	428.20	126.07
26 55 13 00-0135	EA	100 Watt Fluorescent Recessed Wall Light	411.70	126.07
26 55 13 00-0136	EA	100 Watt High Intensity Discharge (HID) Recessed Wall Light	661.24	168.30
26 55 13 00-0137		**Step Lights** *(26 55 13)*		
26 55 13 00-0138	EA	Incandescent Step Light	350.19	100.85

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 13 00-0139	EA	Fluorescent Step Light	405.28	100.85
26 55 13 00-0140	EA	5 Watt, LED Step Light	656.02	100.85
26 55 13 00-0141	EA	15 Watt, LED Step Light	784.67	100.85
26 55 13 00-0142		**Tree Lights, Surface Adjustable** *(26 55 13)*		
26 55 13 00-0143	EA	50 Watt Incandescent Tree Lights	732.77	168.30
26 55 13 00-0144	EA	100 Watt Incandescent Tree Lights	749.27	168.30
26 55 13 00-0145	EA	150 Watt Incandescent Tree Lights	944.43	252.14
26 55 13 00-0146		**Step Lighting Faceplate Trim Replacement** *(26 55 13)*		
26 55 13 00-0147	EA	8.07" x 3.62", Bronze Finish, Diffused Lens, Recessed Horizontal Step Lighting Faceplate Trim (WE-EF STO209 #TA9138U9)	73.17	17.65
26 55 13 00-0148	EA	9.84" x 3.62", Bronze Finish, Diffused Lens, Recessed Horizontal Step Lighting Faceplate Trim (WE-EF STO259 #TA9132U9)	88.11	17.65
26 55 13 00-0149	EA	9.84" x 3.62", Bronze Finish, Diffused Lens, Recessed Vertical Step Lighting Faceplate Trim (WE-EF SVO259 #133-0107)	164.68	17.65
26 55 13 00-0150	EA	8.07" x 3.62", Bronze Finish, Diffused Grille, Recessed Horizontal Step Lighting Faceplate Trim (WE-EF STG209 #TA9139U9)	93.71	17.65
26 55 13 00-0151	EA	9.84" x 3.62", Bronze Finish, Diffused Grille, Recessed Horizontal Step Lighting Faceplate Trim (WE-EF STG259 #TA9133U9)	101.18	17.65
26 55 13 00-0152	EA	8.07" x 3.62", Bronze Finish, Shielded Louver, Recessed Horizontal Step Lighting Faceplate Trim (WE-EF STL209 #TA9140U9)	84.38	17.65
26 55 13 00-0153	EA	9.84" x 3.62", Bronze Finish, Shielded Louver, Recessed Horizontal Step Lighting Faceplate Trim (WE-EF STL259 #TA9134U9)	99.32	17.65
26 55 13 00-0154	EA	9.84" x 3.62", Bronze Finish, Shielded Louver, Recessed Vertical Step Lighting Faceplate Trim (WE-EF SVL259 #133-0114)	110.52	17.65
26 55 13 00-0155	EA	8.07" x 3.62", Bronze Finish, Asymmetric Forward Throw, Recessed Horizontal Step Lighting Faceplate Trim (WE-EF STP209 #TA9141U9)	84.38	17.65
26 55 13 00-0156	EA	9.84" x 3.62", Bronze Finish, Asymmetric Forward Throw, Recessed Horizontal Step Lighting Faceplate Trim (WE-EF STP259 #TA9135U9)	99.32	17.65
26 55 16		**Walkway Lighting** *(26 55)*		
26 55 16 00-0001		**Incandescent Walkway** *(26 55 16)*		
26 55 16 00-0002	EA	Post Top 300 Watt Incandescent Walkway Fixture	411.54	117.24
26 55 16 00-0003		**Metal Halide Walkway** *(26 55 16)*		
26 55 16 00-0004	EA	Post Top 100 Watt Metal Halide Walkway Fixture	633.56	184.31
26 55 16 00-0005	EA	Post Top 150-175 Watt Metal Halide Walkway Fixture	670.02	191.00
26 55 16 00-0006	EA	Post Top 250 Watt Metal Halide Walkway Fixture	720.82	198.30
26 55 16 00-0007	EA	Post Top 400 Watt Metal Halide Walkway Fixture	772.39	214.32
26 55 16 00-0008	EA	Round Luminaries 100 Watt Metal Halide Walkway Fixture	689.93	198.30
26 55 16 00-0009	EA	Round Luminaries 150-175 Watt Metal Halide Walkway Fixture	692.99	184.31
26 55 16 00-0010	EA	Round Luminaries 250 Watt Metal Halide Walkway Fixture	707.11	191.00
26 55 16 00-0011	EA	Spherical 100 Watt Metal Halide Walkway Fixture	556.13	131.36
26 55 16 00-0012	EA	Spherical 150-175 Watt Metal Halide Walkway Fixture	587.02	131.36
26 55 16 00-0013	EA	Spherical 250 Watt Metal Halide Walkway Fixture	617.92	131.36
26 55 16 00-0014	EA	Spherical 400 Watt Metal Halide Walkway Fixture	697.55	147.87
26 55 16 00-0015	EA	Low Walkway 100 Watt Metal Halide Walkway Fixture	529.57	118.00
26 55 16 00-0016		**High Pressure Sodium Walkway** *(26 55 16)*		
26 55 16 00-0017	EA	Post Top 100 Watt High Pressure Sodium Walkway Fixture	575.60	184.31
26 55 16 00-0018	EA	Post Top 150-175 Watt High Pressure Sodium Walkway Fixture	607.02	191.00
26 55 16 00-0019	EA	Post Top 250 Watt High Pressure Sodium Walkway Fixture	649.86	198.30
26 55 16 00-0020	EA	Post Top 400 Watt High Pressure Sodium Walkway Fixture	697.23	214.32
26 55 16 00-0021	EA	Round Luminaries 100 Watt High Pressure Sodium Walkway Fixture	625.73	198.30
26 55 16 00-0022	EA	Round Luminaries 150-175 Watt High Pressure Sodium Walkway Fixture	622.03	184.31
26 55 16 00-0023	EA	Round Luminaries 250 Watt High Pressure Sodium Walkway Fixture	636.00	191.00
26 55 16 00-0024	EA	Spherical 100 Watt High Pressure Sodium Walkway Fixture	491.93	131.36
26 55 16 00-0025	EA	Spherical 175 150-Watt High Pressure Sodium Walkway Fixture	516.07	131.36
26 55 16 00-0026	EA	Spherical 250 Watt High Pressure Sodium Walkway Fixture	540.20	131.36
26 55 16 00-0027	EA	Spherical 400 Watt High Pressure Sodium Walkway Fixture	609.69	147.87
26 55 16 00-0028	EA	Low Walkway 100 Watt High Pressure Sodium Walkway Fixture	493.94	118.00
26 55 16 00-0029		**Walkway, Adjustable** *(26 55 16)*		
26 55 16 00-0030	EA	2' Fluorescent Adjustable Walkway Fixture	595.74	168.30
26 55 16 00-0031	EA	4' Fluorescent Adjustable Walkway Fixture	610.98	168.30
26 55 16 00-0032	EA	8' Fluorescent Adjustable Walkway Fixture	1,042.83	252.14
26 55 16 00-0033	EA	50 Watt Incandescent Adjustable Walkway Fixture	496.02	126.07
26 55 16 00-0034	EA	150 Watt Incandescent Adjustable Walkway Fixture	516.34	126.07
26 55 16 00-0035		**LED Walkway** *(26 55 16)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 16 00-0036		LED Pathway Fixtures (CREE® BetaLED® Edge® PWY-EDG) *(26 55 16 00-0035)* Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 16 00-0037	EA	13" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	1,004.29	96.75
		For Multi-Level Drive Currents, Add	*267.03*	
26 55 16 00-0038	EA	18" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	1,036.71	96.75
		For Multi-Level Drive Currents, Add	*267.03*	
26 55 16 00-0039	EA	36" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	1,093.93	96.75
		For Multi-Level Drive Currents, Add	*267.03*	
26 55 16 00-0040	EA	42" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	1,137.80	96.75
		For Multi-Level Drive Currents, Add	*267.03*	
26 55 16 00-0041	EA	96" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	1,307.86	124.39
		For Multi-Level Drive Currents, Add	*267.03*	
26 55 16 00-0042		Wall Mounted Walkway Lighting *(26 55 16 00-0035)*		
26 55 16 00-0043	EA	Wall Mounted Lantern With LED Kit, No. PDEX-Bracket (Herwig P-492) Note: Type Fixture 17 as Post	4,606.99	
26 55 16 00-0044		Pole Mounted Walkway Lighting *(26 55 16 00-0035)*		
26 55 16 00-0045	EA	43-1/2" Height x 19" Diameter, LED Post Lantern (Herwig AP-27)	4,245.38	
26 55 16 00-0046	EA	12' Tapered and Fluted Post (Herwig BRA Series, BRAJ-12) Note: Washers and nuts included	4,167.92	
26 55 29		**Underwater Lighting** *(26 55)*		
26 55 29 00-0001		Underwater Lights *(26 55 29)*		
26 55 29 00-0002	EA	150 Watt, 120 Volt Underwater Lights	591.34	83.84
26 55 29 00-0003	EA	300 Watt, 120 Volt Underwater Lights	657.36	83.84
26 55 29 00-0004	EA	1,000 Watt, 120 Volt Underwater Lights	1,600.13	126.07
26 55 29 00-0005	EA	50 Watt, 12 Volt Underwater Lights	618.85	83.84
26 55 29 00-0006	EA	300 Watt, 12 Volt Underwater Lights	695.87	83.84
26 55 29 00-0007	SET	Under Water Fountain Fixture, Set Of 6, 300 Watt, Incandescent	1,780.86	189.10
26 55 39		**Helipad Lighting** *(26 55)*		
26 55 39 00-0001	EA	Heliport Perimeter Light, 40 Watt With Base Housing	525.03	172.77
26 55 39 00-0002	EA	Heliport Landing Direction Light, 40 Watt With Base Housing	525.03	172.77
26 55 39 00-0003	EA	Heliport Pad Insert Light, 40 Watt With Base Housing	1,383.01	172.77
26 55 39 00-0004	EA	Heliport 10' Steel Pole, With 2 - 500 Watt Floodlights	5,204.16	460.71
26 55 39 00-0005	EA	Heliport 1 Obstruction Light, 69 Watt	502.67	143.97
26 55 39 00-0006	EA	Heliport 2 Obstruction Light, 2 - 69 Watt	644.20	172.77
26 55 39 00-0007	EA	Lighted Wind Cone, 8' Wind Sock x 20' Standard 4 Deep Bowl - 150 Watt Fixture Reflector Fixtures, 1 - 69 Watt Obstruction Light	6,418.42	1,742.31
26 55 39 00-0008	EA	Heliport Light Photoelectric Control	645.54	115.18
26 55 39 00-0009	EA	Heliport Air To Ground Radio Control Receiver	2,812.99	230.36
26 55 53		**Security Lighting** *(26 55)*		
26 55 53 11		**Security Flood Lighting** *(26 55 53)*		
26 55 53 11-0001		Flood Lights (General Electric Powerflood®) *(26 55 53 11)*		
26 55 53 11-0002		MPF (Small Size) Series GE Flood Lights *(26 55 53 11-0001)* Note: For perimeters, entrances, building facades and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. 1/2" threaded mounting knuckle.		
26 55 53 11-0003		High Pressure Sodium MPF Series GE Flood Lights *(26 55 53 11-0002)*		
26 55 53 11-0004	EA	70 Watt High Pressure Sodium MPF Series GE Flood Light	387.59	104.54
26 55 53 11-0005	EA	100 Watt High Pressure Sodium MPF Series GE Flood Light	391.16	104.54
26 55 53 11-0006	EA	150 Watt High Pressure Sodium MPF Series GE Flood Light	397.11	104.54
26 55 53 11-0007		Metal Halide MPF Series GE Flood Lights *(26 55 53 11-0002)*		
26 55 53 11-0008	EA	70 Watt Metal Halide MPF Series GE Flood Light	529.21	104.54
26 55 53 11-0009		P-154 (Small Size) Series GE Flood Lights *(26 55 53 11-0001)* Note: For parking lots, building security, building facades, recreation areas and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0010		High Pressure Sodium P-154 Series GE Flood Lights *(26 55 53 11-0009)*		
26 55 53 11-0011	EA	70 Watt High Pressure Sodium P-154 Series GE Flood Light	791.70	139.39
26 55 53 11-0012	EA	100 Watt High Pressure Sodium P-154 Series GE Flood Light	796.46	139.39
26 55 53 11-0013	EA	150 Watt High Pressure Sodium P-154 Series GE Flood Light	804.79	139.39
26 55 53 11-0014	EA	250 Watt High Pressure Sodium P-154 Series GE Flood Light	898.81	139.39
26 55 53 11-0015	EA	400 Watt High Pressure Sodium P-154 Series GE Flood Light	926.18	139.39

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0016		**Metal Halide P-154 Series GE Flood Lights** *(26 55 53 11-0009)*		
26 55 53 11-0017	EA	175 Watt Metal Halide P-154 Series GE Flood Light	783.37	139.39
26 55 53 11-0018	EA	250 Watt Metal Halide P-154 Series GE Flood Light	825.03	139.39
26 55 53 11-0019	EA	400 Watt Metal Halide P-154 Series GE Flood Light	846.45	139.39
26 55 53 11-0020		**PF-154 (Medium Size) Series GE Flood Lights** *(26 55 53 11-0001)*		
		Note: For parking lots, building security and building facades. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0021		**High Pressure Sodium PF-154 Series GE Flood Lights** *(26 55 53 11-0020)*		
26 55 53 11-0022	EA	70 Watt High Pressure Sodium PF-154 Series GE Flood Light	806.32	156.81
26 55 53 11-0023	EA	100 Watt High Pressure Sodium PF-154 Series GE Flood Light	812.27	156.81
26 55 53 11-0024	EA	150 Watt High Pressure Sodium PF-154 Series GE Flood Light	821.79	156.81
26 55 53 11-0025	EA	250 Watt High Pressure Sodium PF-154 Series GE Flood Light	914.62	156.81
26 55 53 11-0026	EA	400 Watt High Pressure Sodium PF-154 Series GE Flood Light	940.80	156.81
26 55 53 11-0027		**Metal Halide PF-154 GE Flood Lights** *(26 55 53 11-0020)*		
26 55 53 11-0028	EA	175 Watt Metal Halide PF-154 Series GE Flood Light	799.18	156.81
26 55 53 11-0029	EA	250 Watt Metal Halide PF-154 Series GE Flood Light	839.64	156.81
26 55 53 11-0030	EA	400 Watt Metal Halide PF-154 Series GE Flood Light	861.07	156.81
26 55 53 11-0031		**PF-400 (Medium Size) Series GE Flood Lights** *(26 55 53 11-0001)*		
		Note: For parking lots, building security, building facades, shipping yards and rail yards. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0032		**High Pressure Sodium PF-400 Series GE Flood Lights** *(26 55 53 11-0031)*		
26 55 53 11-0033	EA	150 Watt High Pressure Sodium PF-400 Series GE Flood Light	1,087.18	156.81
26 55 53 11-0034	EA	200 Watt High Pressure Sodium PF-400 Series GE Flood Light	1,170.49	156.81
26 55 53 11-0035	EA	250 Watt High Pressure Sodium PF-400 Series GE Flood Light	1,164.54	156.81
26 55 53 11-0036	EA	400 Watt High Pressure Sodium PF-400 Series GE Flood Light	1,194.29	156.81
26 55 53 11-0037		**Metal Halide PF-400 GE Flood Lights** *(26 55 53 11-0031)*		
26 55 53 11-0038	EA	175 Watt Metal Halide PF-400 Series GE Flood Light	1,118.13	156.81
26 55 53 11-0039	EA	250 Watt Metal Halide PF-400 Series GE Flood Light	1,143.12	156.81
26 55 53 11-0040	EA	400 Watt Metal Halide PF-400 Series GE Flood Light	1,169.30	156.81
26 55 53 11-0041		**PF-1000 (Large Size) Series GE Flood Lights** *(26 55 53 11-0001)*		
		Note: For parking lots, industrial yards and sports stadiums. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0042		**High Pressure Sodium PF-1000 Series GE Flood Lights** *(26 55 53 11-0041)*		
26 55 53 11-0043	EA	750 Watt High Pressure Sodium PF-1000 Series GE Flood Light	1,477.86	174.23
26 55 53 11-0044	EA	1,000 Watt High Pressure Sodium PF-1000 Series GE Flood Light	1,477.86	174.23
26 55 53 11-0045		**Metal Halide PF-1000 Series GE Flood Lights** *(26 55 53 11-0041)*		
26 55 53 11-0046	EA	1,000 Watt Metal Halide PF-1000 Series GE Flood Light	1,408.84	174.23
26 55 53 11-0047		**HLU/VLU (Medium Size) FRP Series GE Flood Lights** *(26 55 53 11-0001)*		
		Note: For parking lots, industrial yards, construction sites, recreation areas and facades. Includes corrosion resistant reinforced polyester housing and thermal shock resistant lens. Hydroformed aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0048		**High Pressure Sodium HLU/VLU FRP Series GE Flood Lights** *(26 55 53 11-0047)*		
26 55 53 11-0049	EA	250 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light	1,201.43	156.81
26 55 53 11-0050	EA	400 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light	1,224.05	156.81
26 55 53 11-0051		**Metal Halide HLU/VLU Series GE Flood Lights** *(26 55 53 11-0047)*		
26 55 53 11-0052	EA	400 Watt Metal Halide HLU/VLU FRP Series GE Flood Light	1,214.53	156.81
26 55 53 11-0053		**Accessories For Powerflood GE Flood Lights** *(26 55 53 11-0001)*		
26 55 53 11-0054	EA	Wireguard For Powerflood GE Flood Light	206.55	34.84
26 55 53 11-0055	EA	Polycarbonate Vandal Shield For Powerflood GE Flood Light	118.48	34.84
26 55 53 11-0056	EA	Top Visor For Powerflood Flood Light	173.23	34.84
26 55 53 11-0057	EA	Top And Two Side Visors For Powerflood GE Flood Light	131.58	34.84
26 55 53 11-0058	EA	Pipe Wall Mounting Bracket For Powerflood GE Flood Light	330.46	104.54
26 55 53 11-0059	EA	Multiple Mounting Channel For Powerflood GE Flood Light	144.67	34.84
26 55 53 11-0060	EA	Wall Or Flat Surface Bracket For Powerflood GE Flood Light	241.20	104.54
26 55 53 11-0061	EA	Steel Angle Bracket For Powerflood GE Flood Light	251.91	104.54

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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0062	EA	Cross Arm Adaptor For Powerflood GE Flood Light	107.77	34.84
26 55 53 11-0063	EA	120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Powerflood GE Flood Light	104.20	34.84
26 55 53 11-0064		Flood Lights (Lithonia Contour Series) *(26 55 53 11)*		
26 55 53 11-0065		TFM (Small Size) Series Lithonia Flood Lights *(26 55 53 11-0064)* Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Faceted parabolic optics. 1/2" threaded mounting knuckle.		
26 55 53 11-0066		High Pressure Sodium TFM Series Lithonia Flood Lights *(26 55 53 11-0065)*		
26 55 53 11-0067	EA	70 Watt High Pressure Sodium TFM Series Lithonia Flood Light	728.34	139.39
26 55 53 11-0068	EA	100 Watt High Pressure Sodium TFM Series Lithonia Flood Light	797.06	139.39
26 55 53 11-0069	EA	150 Watt High Pressure Sodium TFM Series Lithonia Flood Light	864.35	139.39
26 55 53 11-0070		Metal Halide TFM Series Lithonia Flood Lights *(26 55 53 11-0065)*		
26 55 53 11-0071	EA	50 Watt Metal Halide TFM Series Lithonia Flood Light	948.32	139.39
26 55 53 11-0072	EA	70 Watt Metal Halide TFM Series Lithonia Flood Light	931.78	139.39
26 55 53 11-0073	EA	100 Watt Metal Halide TFM Series Lithonia Flood Light	905.12	139.39
26 55 53 11-0074	EA	175 Watt Metal Halide TFM Series Lithonia Flood Light	903.14	139.39
26 55 53 11-0075		Compact Fluorescent TFM Series Lithonia Flood Lights *(26 55 53 11-0065)*		
26 55 53 11-0076	EA	42 Watt Compact Fluorescent TFM Series Lithonia Flood Light	941.47	139.39
26 55 53 11-0077		TFL (Medium Size) Series Lithonia Flood Lights *(26 55 53 11-0064)* Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0078		High Pressure Sodium TFL Series Lithonia Flood Lights *(26 55 53 11-0077)*		
26 55 53 11-0079	EA	250 Watt High Pressure Sodium TFL Series Lithonia Flood Light	1,121.27	156.81
26 55 53 11-0080	EA	400 Watt High Pressure Sodium TFL Series Lithonia Flood Light	1,144.19	156.81
26 55 53 11-0081		Metal Halide TFL Series Lithonia Flood Lights *(26 55 53 11-0077)*		
26 55 53 11-0082	EA	175 Watt Metal Halide TFL Series Lithonia Flood Light	1,069.76	156.81
26 55 53 11-0083	EA	250 Watt Metal Halide TFL Series Lithonia Flood Light	1,069.76	156.81
26 55 53 11-0084	EA	400 Watt Metal Halide TFL Series Lithonia Flood Light	1,105.70	156.81
26 55 53 11-0085		TFR (Low Profile) Series Lithonia Flood Lights *(26 55 53 11-0064)* Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0086		High Pressure Sodium TFR Lithonia Flood Lights *(26 55 53 11-0085)*		
26 55 53 11-0087	EA	150 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	1,074.99	139.39
26 55 53 11-0088	EA	250 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	1,109.29	139.39
26 55 53 11-0089	EA	400 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	1,137.95	139.39
26 55 53 11-0090		Metal Halide TFR Lithonia Flood Lights *(26 55 53 11-0085)*		
26 55 53 11-0091	EA	250 Watt Metal Halide TFR Series Lithonia Flood Light	1,063.52	139.39
26 55 53 11-0092	EA	400 Watt Metal Halide TFR Series Lithonia Flood Light	1,097.87	139.39
26 55 53 11-0093		TFA (Large Size) Series Lithonia Flood Lights *(26 55 53 11-0064)* Note: For industrial yards, parking lots, construction sites, streets and recreational areas. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0094		High Pressure Sodium TFA Series Lithonia Flood Lights *(26 55 53 11-0093)*		
26 55 53 11-0095	EA	1,000 Watt High Pressure Sodium TFA Series Lithonia Flood Light	2,095.24	174.23
26 55 53 11-0096		Metal Halide TFA Series Lithonia Flood Lights *(26 55 53 11-0093)*		
26 55 53 11-0097	EA	400 Watt Metal Halide TFA Series Lithonia Flood Light	1,608.42	174.23
26 55 53 11-0098	EA	1,000 Watt Metal Halide TFA Series Lithonia Flood Light	1,780.22	174.23
26 55 53 11-0099		Accessories For Contour Series Lithonia Flood Lights *(26 55 53 11-0064)*		
26 55 53 11-0100	EA	Wireguard For Contour Series Lithonia Flood Light	177.68	34.84
26 55 53 11-0101	EA	Vandal Guard For Contour Series Lithonia Flood Light	346.32	34.84
26 55 53 11-0102	EA	Upper Visor For Contour Series Lithonia Flood Light	145.86	34.84
26 55 53 11-0103	EA	Full Visor For Contour Series Lithonia Flood Light	197.39	34.84
26 55 53 11-0104	EA	Pipe Wall Mounting Bracket For Contour Series Lithonia Flood Light	438.12	104.54
26 55 53 11-0105	EA	Radius Wall Bracket For Contour Series Lithonia Flood Light	346.93	104.54
26 55 53 11-0106	EA	Steel Angle Bracket For Contour Series Lithonia Flood Light	346.93	104.54

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0107	EA	U Bolt Wall Bracket For Contour Series Lithonia Flood Light, Mounts To 2" Pipe	383.30	104.54
26 55 53 11-0108	EA	Crossarm Adapter For Horizontal Mounted Contour Lithonia Series Flood Light	169.85	34.84
26 55 53 11-0109	EA	120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Contour Lithonia Series Flood Light	134.91	34.84
26 55 53 11-0110		**Flood Lights (Eaton)** *(26 55 53 11)*		
26 55 53 11-0111	EA	6" x 6", 16,932 Lumens, 128 Watt, LED Flood Light (Eaton NFFLD-C40-D-UNV-66-T-CB)	1,151.87	139.39
		For NEMA Photocontrol Option (Eaton OA/RA1016), Add	*61.61*	
		For >50 To 100, Deduct	*-35.77*	
		For >100 To 250, Deduct	*-64.56*	
		For >250 To 500, Deduct	*-115.19*	
		For >500, Deduct	*-165.81*	
26 55 53 11-0112	EA	16,900 Lumens, 128 Watt, NEMA 6H x 6V Wide, Trunnion Mount, 4000K CCT, Night Falcon LED Flood Light With Multi-Tap (Cooper Industries NFFLD-C40-D-UNV-66-T-CB-PER7+OA/RA1016)	1,434.59	153.92
		For >50 To 100, Deduct	*-43.56*	
		For >100 To 250, Deduct	*-79.43*	
		For >250 To 500, Deduct	*-143.46*	
		For >500, Deduct	*-207.49*	
26 55 53 11-0113		**Flood Lights (Ruud)** *(26 55 53 11)*		
26 55 53 11-0114		**NS (Micro) Series Ruud Flood Lights** *(26 55 53 11-0113)*		
		Note: Provides conventional floodlighting. 1/2" threaded mounting knuckle.		
26 55 53 11-0115		**High Pressure Sodium NS Series Ruud Flood Lights** *(26 55 53 11-0114)*		
26 55 53 11-0116	EA	35 Watt High Pressure Sodium NS Series Ruud Flood Light	478.03	104.54
26 55 53 11-0117	EA	50 Watt High Pressure Sodium NS Series Ruud Flood Light	478.03	104.54
26 55 53 11-0118	EA	70 Watt High Pressure Sodium NS Series Ruud Flood Light	478.03	104.54
26 55 53 11-0119	EA	100 Watt High Pressure Sodium NS Series Ruud Flood Light	478.03	104.54
26 55 53 11-0120	EA	150 Watt High Pressure Sodium NS Series Ruud Flood Light	478.03	104.54
26 55 53 11-0121		**Metal Halide NS Series Ruud Flood Lights** *(26 55 53 11-0114)*		
26 55 53 11-0122	EA	50 Watt Metal Halide NS Series Ruud Flood Light	544.68	104.54
26 55 53 11-0123	EA	70 Watt Metal Halide NS Series Ruud Flood Light	544.68	104.54
26 55 53 11-0124	EA	100 Watt Metal Halide NS Series Ruud Flood Light	544.68	104.54
26 55 53 11-0125		**Compact Fluorescent NS Series Ruud Flood Lights** *(26 55 53 11-0114)*		
26 55 53 11-0126	EA	13 Watt Compact Fluorescent NS Series Ruud Flood Light	409.01	104.54
26 55 53 11-0127	EA	26 Watt Compact Fluorescent NS Series Ruud Flood Light	425.67	104.54
26 55 53 11-0128	EA	32 Watt Compact Fluorescent NS Series Ruud Flood Light	430.43	104.54
26 55 53 11-0129	EA	42 Watt Compact Fluorescent NS Series Ruud Flood Light	435.19	104.54
26 55 53 11-0130		**NSF/NSW/NSC (Standard, Wide And Cutoff Micro) Series Ruud Flood Lights** *(26 55 53 11-0113)*		
		Note: The NSF is suited for large open areas and façade applications. The NSW is suited for roadway applications, parking areas or security. The NSC is designed for parking lot and outdoor sports areas. Yoke or slip fitter mounting.		
26 55 53 11-0131		**High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Lights** *(26 55 53 11-0130)*		
26 55 53 11-0132	EA	150 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	737.30	156.81
26 55 53 11-0133	EA	250 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	780.14	156.81
26 55 53 11-0134	EA	400 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	803.94	156.81
26 55 53 11-0135		**Metal Halide NSF/NSW/NSC Series Ruud Flood Lights** *(26 55 53 11-0130)*		
26 55 53 11-0136	EA	175 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	727.77	156.81
26 55 53 11-0137	EA	250 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	732.54	156.81
26 55 53 11-0138	EA	400 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	746.82	156.81
26 55 53 11-0139		**Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Lights** *(26 55 53 11-0130)*		
26 55 53 11-0140	EA	70 Watt Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Light	711.11	156.81
26 55 53 11-0141		**FS (Square) Series Ruud Flood Lights** *(26 55 53 11-0113)*		
		Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.		
26 55 53 11-0142		**High Pressure Sodium FS Series Ruud Flood Lights** *(26 55 53 11-0141)*		
26 55 53 11-0143	EA	250 Watt High Pressure Sodium FS Series Ruud Flood Light	863.45	156.81
26 55 53 11-0144	EA	400 Watt High Pressure Sodium FS Series Ruud Flood Light	868.21	156.81
26 55 53 11-0145	EA	1,000 Watt High Pressure Sodium FS Series Ruud Flood Light	1,479.06	174.23
26 55 53 11-0146		**Metal Halide FS Series Ruud Flood Lights** *(26 55 53 11-0141)*		
26 55 53 11-0147	EA	175 Watt Metal Halide FS Series Ruud Flood Light	863.45	156.81
26 55 53 11-0148	EA	250 Watt Metal Halide FS Series Ruud Flood Light	868.21	156.81
26 55 53 11-0149	EA	400 Watt Metal Halide FS Series Ruud Flood Light	882.49	156.81
26 55 53 11-0150	EA	1,000 Watt Metal Halide FS Series Ruud Flood Light	1,321.96	174.23

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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0151		MFS (Mini Square) Series Ruud Flood Lights *(26 55 53 11-0113)*		
		Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.		
26 55 53 11-0152		High Pressure Sodium MFS Series Ruud Flood Lights *(26 55 53 11-0151)*		
26 55 53 11-0153	EA	35 Watt High Pressure Sodium MFS Series Ruud Flood Light	676.26	139.39
26 55 53 11-0154	EA	50 Watt High Pressure Sodium MFS Series Ruud Flood Light	726.25	139.39
26 55 53 11-0155	EA	70 Watt High Pressure Sodium MFS Series Ruud Flood Light	726.25	139.39
26 55 53 11-0156	EA	100 Watt High Pressure Sodium MFS Series Ruud Flood Light	726.25	139.39
26 55 53 11-0157	EA	150 Watt High Pressure Sodium MFS Series Ruud Flood Light	726.25	139.39
26 55 53 11-0158		Metal Halide MFS Series Ruud Flood Lights *(26 55 53 11-0151)*		
26 55 53 11-0159	EA	50 Watt Metal Halide MFS Series Ruud Flood Light	742.91	139.39
26 55 53 11-0160	EA	70 Watt Metal Halide MFS Series Ruud Flood Light	742.91	139.39
26 55 53 11-0161	EA	100 Watt Metal Halide MFS Series Ruud Flood Light	742.91	139.39
26 55 53 11-0162	EA	175 Watt Metal Halide MFS Series Ruud Flood Light	716.73	139.39
26 55 53 11-0163		MCF/MPM/MPN (Mini Cutoff. Parabolic Medium And Narrow Mini Square) Series Ruud Flood Lights *(26 55 53 11-0113)*		
		Note: The MCF is suited for parking lots, volleyball courts and tennis courts. The MPM and MPN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.		
26 55 53 11-0164		High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Lights *(26 55 53 11-0163)*		
26 55 53 11-0165	EA	35 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	735.77	139.39
26 55 53 11-0166	EA	50 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	785.75	139.39
26 55 53 11-0167	EA	70 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	785.75	139.39
26 55 53 11-0168	EA	100 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	785.75	139.39
26 55 53 11-0169	EA	150 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	785.75	139.39
26 55 53 11-0170		Metal Halide MCF/MPM/MPN Series Ruud Flood Lights *(26 55 53 11-0163)*		
26 55 53 11-0171	EA	50 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	802.41	139.39
26 55 53 11-0172	EA	70 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	802.41	139.39
26 55 53 11-0173	EA	100 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	802.41	139.39
26 55 53 11-0174	EA	175 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	776.23	139.39
26 55 53 11-0175		CF (Cutoff Square) Series Ruud Flood Lights *(26 55 53 11-0113)*		
		Note: The CF is suited for parking lots, volleyball courts and tennis courts. Yoke or slip fitter mounting.		
26 55 53 11-0176		High Pressure Sodium CF Series Ruud Flood Lights *(26 55 53 11-0175)*		
26 55 53 11-0177	EA	250 Watt High Pressure Sodium CF Series Ruud Flood Light	975.32	156.81
26 55 53 11-0178	EA	400 Watt High Pressure Sodium CF Series Ruud Flood Light	999.12	156.81
26 55 53 11-0179	EA	1,000 Watt High Pressure Sodium CF Series Ruud Flood Light	1,538.56	174.23
26 55 53 11-0180		Metal Halide CF Series Ruud Flood Lights *(26 55 53 11-0175)*		
26 55 53 11-0181	EA	175 Watt Metal Halide CF Series Ruud Flood Light	922.95	156.81
26 55 53 11-0182	EA	250 Watt Metal Halide CF Series Ruud Flood Light	927.71	156.81
26 55 53 11-0183	EA	400 Watt Metal Halide CF Series Ruud Flood Light	941.99	156.81
26 55 53 11-0184	EA	1,000 Watt Metal Halide CF Series Ruud Flood Light	1,381.47	174.23
26 55 53 11-0185		CN (Narrow Beam Cutoff Square) Series Ruud Flood Lights *(26 55 53 11-0113)*		
		Note: The CN is suited for large sports fields, building facades and signs. Yoke or slip fitter mounting.		
26 55 53 11-0186		High Pressure Sodium CN Series Ruud Flood Lights *(26 55 53 11-0185)*		
26 55 53 11-0187	EA	400 High Pressure Sodium CN Series Ruud Flood Light	1,262.46	174.23
26 55 53 11-0188	EA	1,000 High Pressure Sodium CN Series Ruud Flood Light	1,510.00	174.23
26 55 53 11-0189		Metal Halide CN Series Ruud Flood Lights *(26 55 53 11-0185)*		
26 55 53 11-0190	EA	400 Watt Metal Halide CN Series Ruud Flood Light	1,205.33	174.23
26 55 53 11-0191	EA	1,000 Watt Metal Halide CN Series Ruud Flood Light	1,352.90	174.23
26 55 53 11-0192		PM/PN (Parabolic Medium And Narrow Square) Series Ruud Flood Lights *(26 55 53 11-0113)*		
		Note: The PM and PN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.		
26 55 53 11-0193		High Pressure Sodium PM/PN Series Ruud Flood Lights *(26 55 53 11-0192)*		
26 55 53 11-0194	EA	250 Watt High Pressure Sodium PM/PN Series Ruud Flood Light	1,008.64	156.81
26 55 53 11-0195	EA	400 Watt High Pressure Sodium PM/PN Series Ruud Flood Light	1,032.44	156.81
26 55 53 11-0196		Metal Halide PM/PN Series Ruud Flood Lights *(26 55 53 11-0192)*		
26 55 53 11-0197	EA	175 Watt Metal Halide PM/PN Series Ruud Flood Light	956.27	156.81
26 55 53 11-0198	EA	250 Watt Metal Halide PM/PN Series Ruud Flood Light	961.03	156.81
26 55 53 11-0199	EA	400 Watt Metal Halide PM/PN Series Ruud Flood Light	975.32	156.81

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0200	EA	1,000 Watt Metal Halide PM/PN Series Ruud Flood Light	1,414.79	174.23
26 55 53 11-0201		**Accessories For Ruud Flood Lighting** *(26 55 53 11-0113)*		
26 55 53 11-0202	EA	Wireguard For Rudd Flood Light	105.39	34.84
26 55 53 11-0203	EA	Deep Baffle (Full Visor) For Rudd Flood Light	169.66	34.84
26 55 53 11-0204	EA	Glare Guard (Upper Visor) For Rudd Flood Light	122.05	34.84
26 55 53 11-0205	EA	Vandal Shield For Rudd Flood Light	145.86	34.84
26 55 53 11-0206	EA	Pipe Mounting Bracket For Ruud Flood Light	290.00	104.54
26 55 53 11-0207	EA	120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Ruud Flood Light	91.11	34.84
26 55 53 11-0208		**Flood Lights (Lumark)** *(26 55 53 11)*		
26 55 53 11-0209		**QZ Wedge Series Quartz Lumark Flood Lights** *(26 55 53 11-0208)*		
		Note: For small outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.		
26 55 53 11-0210	EA	500 Watt QZ Wedge Series Quartz Lumark Flood Light	257.75	104.54
26 55 53 11-0211		**LQL Series Quartz Lumark Flood Lights** *(26 55 53 11-0208)*		
		Note: For medium size outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.		
26 55 53 11-0212	EA	1,500 Watt LQL Series Quartz Lumark Flood Light	327.96	104.54
26 55 53 11-0213		**Flood Lights (Kim Lighting)** *(26 55 53 11)*		
26 55 53 11-0214		**MicroFlood® Series Kim Lighting Flood Lights** *(26 55 53 11-0213)*		
		Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.		
26 55 53 11-0215		**LED MicroFlood® Series Kim Lighting Flood Lights** *(26 55 53 11-0214)*		
26 55 53 11-0216	EA	5 Watt, LED MicroFlood® Series Kim Lighting Flood Light	557.06	44.19
		For >50 To 100, Deduct	*-16.14*	
		For >100 To 250, Deduct	*-30.06*	
		For >250 To 500, Deduct	*-55.71*	
		For >500, Deduct	*-81.35*	
26 55 53 11-0217	EA	15 Watt, LED MicroFlood® Series Kim Lighting Flood Light	689.16	44.19
		For >50 To 100, Deduct	*-19.44*	
		For >100 To 250, Deduct	*-36.67*	
		For >250 To 500, Deduct	*-68.92*	
		For >500, Deduct	*-101.16*	
26 55 53 11-0218		**Scarab® Series Kim Lighting Flood Lights** *(26 55 53 11-0213)*		
		Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.		
26 55 53 11-0219		**LED Scarab® Series Kim Lighting Accent Flood Lights** *(26 55 53 11-0218)*		
		Note: Spot or narrow style accent flood lights.		
26 55 53 11-0220	EA	6 Watt, LED Scarab® Series Kim Lighting Accent Flood Light	851.46	44.19
		For >50 To 100, Deduct	*-23.50*	
		For >100 To 250, Deduct	*-44.78*	
		For >250 To 500, Deduct	*-85.15*	
		For >500, Deduct	*-125.51*	
26 55 53 11-0221		**Flood Lights (CREE® BetaLED®)** *(26 55 53 11)*		
26 55 53 11-0222		**Yoke Mount, Square, LED Flood Lights (CREE® BetaLED® FLD-304)** *(26 55 53 11-0221)*		
		Note: UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 53 11-0223	EA	40 LEDs, 47 Watt, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304)	1,297.08	125.93
		For >50 To 100, Deduct	*-38.72*	
		For >100 To 250, Deduct	*-71.15*	
		For >250 To 500, Deduct	*-129.71*	
		For >500, Deduct	*-188.27*	
26 55 53 11-0224	EA	60 LEDs, 68 Watt, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304)	1,421.70	132.93
		For >50 To 100, Deduct	*-42.19*	
		For >100 To 250, Deduct	*-77.73*	
		For >250 To 500, Deduct	*-142.17*	
		For >500, Deduct	*-206.61*	
26 55 53 11-0225		**Adjustable Arm Mount, Rectangular, LED Flood Lights (CREE® BetaLED® Edge® FLD-EDG)** *(26 55 53 11-0221)*		
		Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 53 11-0226	EA	20 LEDs, 26 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	1,124.79	118.94
		For 480 Volt, Add	*111.02*	
		For >50 To 100, Deduct	*-34.07*	
		For >100 To 250, Deduct	*-62.19*	
		For >250 To 500, Deduct	*-112.48*	
		For >500, Deduct	*-162.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0227	EA	40 LEDs, 47 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	1,419.15	125.93
		For 480 Volt, Add	*111.02*	
		For >50 To 100, Deduct	*-41.78*	
		For >100 To 250, Deduct	*-77.25*	
		For >250 To 500, Deduct	*-141.92*	
		For >500, Deduct	*-206.58*	
26 55 53 11-0228	EA	60 LEDs, 68 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	1,713.52	132.93
		For 480 Volt, Add	*111.02*	
		For >50 To 100, Deduct	*-49.48*	
		For >100 To 250, Deduct	*-92.32*	
		For >250 To 500, Deduct	*-171.35*	
		For >500, Deduct	*-250.38*	
26 55 53 11-0229	EA	80 LEDs, 90 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	2,120.42	139.92
		For 480 Volt, Add	*111.02*	
		For >50 To 100, Deduct	*-60.01*	
		For >100 To 250, Deduct	*-113.02*	
		For >250 To 500, Deduct	*-212.04*	
		For >500, Deduct	*-311.07*	
26 55 53 11-0230	EA	100 LEDs, 111 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	2,414.79	146.93
		For 480 Volt, Add	*111.02*	
		For >50 To 100, Deduct	*-67.72*	
		For >100 To 250, Deduct	*-128.09*	
		For >250 To 500, Deduct	*-241.48*	
		For >500, Deduct	*-354.87*	
26 55 53 11-0231	EA	120 LEDs, 132 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	2,709.15	153.92
		For 480 Volt, Add	*111.02*	
		For >50 To 100, Deduct	*-75.42*	
		For >100 To 250, Deduct	*-143.15*	
		For >250 To 500, Deduct	*-270.92*	
		For >500, Deduct	*-398.68*	
26 55 53 11-0232	EA	140 LEDs, 157 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	3,093.17	160.92
		For 480 Volt, Add	*111.02*	
		For >50 To 100, Deduct	*-85.38*	
		For >100 To 250, Deduct	*-162.70*	
		For >250 To 500, Deduct	*-309.32*	
		For >500, Deduct	*-455.93*	
26 55 53 11-0233	EA	160 LEDs, 179 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	3,387.54	167.91
		For 480 Volt, Add	*111.02*	
		For >50 To 100, Deduct	*-93.08*	
		For >100 To 250, Deduct	*-177.77*	
		For >250 To 500, Deduct	*-338.75*	
		For >500, Deduct	*-499.74*	

26 55 53 11-0234 Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® Edge® FLD-EHO) *(26 55 53 11-0221)*

Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 55 53 11-0235	EA	120 LEDs, 267 Watt, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO)	2,596.62	153.92
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*22.49*	
		For Bird Spikes, Add	*50.83*	
		For 5,000K Color Temperature, Add	*56.24*	
		For Fuse, Add	*67.48*	
		For 0 To 10 Volt Dimming, Add	*67.48*	
		For 480 Volt, Add	*101.23*	
		For Multi-Level, Add	*146.21*	
		For 1,000mA Driver, Add	*188.96*	
		For >50 To 100, Deduct	*-72.61*	
		For >100 To 250, Deduct	*-137.53*	
		For >250 To 500, Deduct	*-259.66*	
		For >500, Deduct	*-381.80*	
26 55 53 11-0236	EA	240 LEDs, 533 Watt, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO)	4,414.48	188.90
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*22.49*	
		For 5,000K Color Temperature, Add	*56.24*	
		For Fuse, Add	*67.48*	
		For 0 To 10 Volt Dimming, Add	*67.48*	
		For Bird Spikes, Add	*75.59*	
		For Multi-Level, Add	*146.21*	
		For 1,000mA Driver, Add	*188.96*	
		For 480 Volt, Add	*202.45*	
		For >50 To 100, Deduct	*-119.81*	
		For >100 To 250, Deduct	*-230.17*	
		For >250 To 500, Deduct	*-441.45*	
		For >500, Deduct	*-652.73*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0237		Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® OSQ™) *(26 55 53 11-0221)*		
		Note: UL wet listed. Includes 3,000K or 4,000K or 5,700K color temperature, 120/277 voltage, Class 1 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 53 11-0238	EA	112 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-A-XXX-US-UL)	1,512.46	153.92
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*22.49*	
		For Front Facing Optics, Back Light Shield, Add	*39.00*	
		For Rotated Optics, Back Light Shield, Add	*39.00*	
		For Field Adjustable Output, Add	*33.75*	
		For Fuse, Add	*67.48*	
		For 0 To 10 Volt Dimming, Add	*67.48*	
		For Multi-Level, Add	*146.21*	
		For >50 To 100, Deduct	*-45.51*	
		For >100 To 250, Deduct	*-83.32*	
		For >250 To 500, Deduct	*-151.25*	
		For >500, Deduct	*-219.17*	
26 55 53 11-0239	EA	168 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-J-XXX-US-UL)	1,618.75	153.92
		Note: Type III, IV or V medium optics only.		
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*22.49*	
		For Front Facing Optics, Back Light Shield, Add	*39.00*	
		For Rotated Optics, Back Light Shield, Add	*39.00*	
		For Field Adjustable Output, Add	*33.75*	
		For Fuse, Add	*67.48*	
		For 0 To 10 Volt Dimming, Add	*67.48*	
		For Type II Medium Or Type V Short Optics, Add	*329.00*	
		For Multi-Level, Add	*146.21*	
		For >50 To 100, Deduct	*-48.16*	
		For >100 To 250, Deduct	*-88.63*	
		For >250 To 500, Deduct	*-161.88*	
		For >500, Deduct	*-235.12*	
26 55 53 11-0240	EA	223 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-S-XXX-US-UL)	2,078.45	188.90
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*22.49*	
		For Field Adjustable Output, Add	*33.75*	
		For Front Facing Optics, Back Light Shield, Add	*47.23*	
		For Rotated Optics, Back Light Shield, Add	*47.23*	
		For Fuse, Add	*67.48*	
		For 0 To 10 Volt Dimming, Add	*67.48*	
		For Multi-Level, Add	*146.21*	
		For >50 To 100, Deduct	*-61.41*	
		For >100 To 250, Deduct	*-113.37*	
		For >250 To 500, Deduct	*-207.85*	
		For >500, Deduct	*-302.32*	
26 55 53 11-0241		Flood Lights (PlanLED) *(26 55 53 11)*		
26 55 53 11-0242		Adjustable Arm Mount, LED Flood Lights (PlanLED WAPA) *(26 55 53 11-0241)*		
26 55 53 11-0243	EA	6,250 Lumens, 50 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP050)	678.32	125.93
		For >50 To 100, Deduct	*-23.25*	
		For >100 To 250, Deduct	*-40.21*	
		For >250 To 500, Deduct	*-67.83*	
		For >500, Deduct	*-95.45*	
26 55 53 11-0244	EA	9,375 Lumens, 75 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP075)	812.60	132.93
		For >50 To 100, Deduct	*-26.96*	
		For >100 To 250, Deduct	*-47.28*	
		For >250 To 500, Deduct	*-81.26*	
		For >500, Deduct	*-115.24*	
26 55 53 11-0245	EA	12,500 Lumens, 100 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP100)	938.56	143.42
		For >50 To 100, Deduct	*-30.64*	
		For >100 To 250, Deduct	*-54.10*	
		For >250 To 500, Deduct	*-93.86*	
		For >500, Deduct	*-133.61*	
26 55 53 11-0246		Adjustable Arm Mount, LED Sports Flood Lights (PlanLED SUFA) *(26 55 53 11-0241)*		
26 55 53 11-0247	EA	21,000 Lumens, 200 Watt, LED Sports Flood Light (PlanLED SUFA SF200)	1,904.68	279.85
		For 0 To 10 Volt Dimming, Add	*94.53*	
		For >50 To 100, Deduct	*-61.61*	
		For >100 To 250, Deduct	*-109.23*	
		For >250 To 500, Deduct	*-190.47*	
		For >500, Deduct	*-271.71*	
26 55 53 11-0248	EA	42,000 Lumens, 400 Watt, LED Sports Flood Light (PlanLED SUFA SF400)	2,965.34	279.85
		For 0 To 10 Volt Dimming, Add	*94.53*	
		For >50 To 100, Deduct	*-88.13*	
		For >100 To 250, Deduct	*-162.26*	
		For >250 To 500, Deduct	*-296.53*	
		For >500, Deduct	*-430.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0249	EA	84,000 Lumens, 800 Watt, LED Sports Flood Light (PlanLED SUFA SF800)	5,248.51	279.85
		For 0 To 10 Volt Dimming, Add	*94.53*	
		For >50 To 100, Deduct	*-145.21*	
		For >100 To 250, Deduct	*-276.42*	
		For >250 To 500, Deduct	*-524.85*	
		For >500, Deduct	*-773.28*	

26 55 53 11-0250 Adjustable Arm Mount, LED High Mast Flood Lights (PlanLED MAHA) *(26 55 53 11-0241)*

26 55 53 11-0251	EA	26,000 Lumens, 200 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA200)	1,691.28	181.90
		For 0 To 10 Volt Dimming, Add	*94.53*	
		For 480 Volt, Add	*142.15*	
		For >50 To 100, Deduct	*-51.38*	
		For >100 To 250, Deduct	*-93.66*	
		For >250 To 500, Deduct	*-169.13*	
		For >500, Deduct	*-244.60*	
26 55 53 11-0252	EA	39,000 Lumens, 300 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA300)	2,168.90	188.90
		For 0 To 10 Volt Dimming, Add	*94.53*	
		For 480 Volt, Add	*114.92*	
		For >50 To 100, Deduct	*-63.67*	
		For >100 To 250, Deduct	*-117.89*	
		For >250 To 500, Deduct	*-216.89*	
		For >500, Deduct	*-315.89*	
26 55 53 11-0253	EA	52,000 Lumens, 400 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA400)	2,771.18	195.90
		For 0 To 10 Volt Dimming, Add	*94.53*	
		For 480 Volt, Add	*93.24*	
		For >50 To 100, Deduct	*-79.07*	
		For >100 To 250, Deduct	*-148.35*	
		For >250 To 500, Deduct	*-277.12*	
		For >500, Deduct	*-405.88*	

26 55 53 12 Security Hazardous Location Flood Lights *(26 55 53)*

Note: For general to heavy industrial applications in marine and corrosive environments. Class 1 Division 2.

26 55 53 12-0001 Lithonia Hazardous Location Flood Lights *(26 55 53 12)*

26 55 53 12-0002 HFR (Horizontally Oriented Mogul Base) Series Hazardous Location Flood Lights *(26 55 53 12-0001)*

Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.

26 55 53 12-0003 High Pressure Sodium HFR Series Hazardous Location Flood Lights *(26 55 53 12-0002)*

26 55 53 12-0004	EA	150 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,064.97	139.39
26 55 53 12-0005	EA	250 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,138.76	139.39
26 55 53 12-0006	EA	400 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,067.35	139.39

26 55 53 12-0007 Metal Halide HFR Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0002)*

26 55 53 12-0008	EA	250 Watt Metal Halide HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,130.88	139.39
26 55 53 12-0009	EA	400 Watt Metal Halide HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,095.92	139.39

26 55 53 12-0010 HFM (Medium Base) Series Hazardous Location Flood Lights *(26 55 53 12-0001)*

Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.

26 55 53 12-0011 High Pressure Sodium HFM Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0010)*

26 55 53 12-0012	EA	100 Watt High Pressure Sodium HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,014.25	139.39
26 55 53 12-0013	EA	150 Watt High Pressure Sodium HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,058.29	139.39

26 55 53 12-0014 Metal Halide HFM Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0010)*

26 55 53 12-0015	EA	175 Watt Metal Halide HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	895.24	139.39

26 55 53 12-0016 HFA (Large) Series Hazardous Location Flood Lights *(26 55 53 12-0001)*

Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.

26 55 53 12-0017 High Pressure Sodium HFA Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0016)*

26 55 53 12-0018	EA	250 Watt High Pressure Sodium HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,436.21	174.23
26 55 53 12-0019	EA	400 Watt High Pressure Sodium HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,457.63	174.23

26 55 53 12-0020 Metal Halide HFA Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0016)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 12-0021	EA	250 Watt Metal Halide HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,429.07	174.23
26 55 53 12-0022	EA	400 Watt Metal Halide HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,457.63	174.23
26 55 53 12-0023		HFL (Medium) Series Hazardous Location Flood Lights *(26 55 53 12-0001)* Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 55 53 12-0024		High Pressure Sodium HFL Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0023)*		
26 55 53 12-0025	EA	400 Watt High Pressure Sodium HFL Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,063.38	156.81
26 55 53 12-0026		Metal Halide HFL Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0023)*		
26 55 53 12-0027	EA	400 Watt Metal Halide HFL Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,146.69	156.81
26 55 53 12-0028		Accessories For Lithonia Hazardous Location Flood Lights *(26 55 53 12-0001)* See CSI section 26 55 53 11-0099 for accessories.		
26 55 53 13		**Security High Performance Flood Lights** *(26 55 53)* Note: For airport aprons and parking areas.		
26 55 53 13-0001		Lithonia High Performance Flood Lights *(26 55 53 13)*		
26 55 53 13-0002		170S Series Lithonia High Performance Flood Lights *(26 55 53 13-0001)* Note: Die-cast aluminum housing welded seams, stainless steel hardware, corrosion resistant polyester powder finish, and thermal and shock resistant flat lens.		
26 55 53 13-0003		High Pressure Sodium 170S Series Lithonia High Performance Flood Lights *(26 55 53 13-0002)*		
26 55 53 13-0004	EA	250 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	2,486.55	209.07
26 55 53 13-0005	EA	400 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	2,681.73	209.07
26 55 53 13-0006	EA	750 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	2,691.25	209.07
26 55 53 13-0007	EA	1,000 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	2,988.78	209.07
26 55 53 13-0008		Metal Halide 170S Series Lithonia High Performance Flood Lights *(26 55 53 13-0002)*		
26 55 53 13-0009	EA	320 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	2,865.01	209.07
26 55 53 13-0010	EA	350 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	2,733.02	209.07
26 55 53 13-0011	EA	400 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	2,607.94	209.07
26 55 53 13-0012	EA	1,000 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	2,731.71	209.07
26 55 53 13-0013		Accessories For Lithonia High Performance Flood Lights *(26 55 53 13-0002)* See CSI section 26 55 53 11-0099 for accessories.		
26 55 61		**Theatrical Lighting** *(26 55)*		
26 55 61 00-0001		Stage Lighting *(26 55 61)*		
26 55 61 00-0002	EA	Ellipsoidal Spotlight, Two 6" x 9" Lenses Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20 amperes, 3 watts ground, male pin connector and high performance lamp.	665.56	153.18
26 55 61 00-0003	EA	Ellipsoidal Spotlight, Two 6" x 12" Lenses Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20 amperes, 3 watts ground, male pin connector and high performance lamp.	665.56	153.18
26 55 61 00-0004	EA	Ellipsoidal Spotlight, Two 6" x 16" Lenses Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20 amperes, 3 watts ground, male pin connector and high performance lamp.	665.56	153.18
26 55 61 00-0005	EA	14" Scoop Floodlight Altman #SC14	686.98	153.18
26 55 61 00-0006	EA	6" Diameter Fresnel Spotlight, Spherical Specular Alzak1 Note: Reflector, heat resistant fresnel lens, slidefocus flood to spot, complete with yoke, c-clamp, safety cable, color frame, male pin connector and lamp.	542.09	153.18
26 55 61 00-0007	EA	8" Diameter Fresnel Spotlight, Spherical Specular Alzak Note: Reflector, heat resistant fresnel lens, slidefocus flood to spot, complete with yoke, C-clamp, safety cable, color frame, male pin connector and lamp.	887.77	153.18
26 55 61 00-0008	EA	Follow Spotlight With Steel Chassis And Lightweight Note: Aluminum housing, includes lamp adjustment plate, silent lamp fan, dowser, iris and clipper, rear lens control, coated lenses, six color boomerang, color fan, 34" x 34" castered stand.	2,327.64	153.18
26 55 61 00-0009	EA	Follow Spotlight With Steel Chassis And Lightweight Note: Aluminum housing, includes lamp adjustment plate, ballast, electronic power supply, stepdown transformer, silent lamp fan, dowser, iris and clipper, rear lens control, coated lenses, six color boomerang, color fan, 34" x 34" castered stand.	2,804.39	153.18
26 55 61 00-0010	EA	300 To 1000 Watt, PAR 64 Can Lighting With 20 Gauge Sheet Steel Note: Formed lamp housing, hinged and latched rear housing secured by retention ring, safety cable, safety screen, PAR 64 lamp, male pin connector.	494.11	153.18
26 55 61 00-0011	EA	6' Length, Multi-Lamp Compartmented Striplighting Luminaire Note: With continuous sheet steel housing, supported by 1-1/2" x 3/16" steel yoke with C-clamp, includes 30 lights per section wired on 3 circuits, alzak aluminum reflector with matte finish.	1,773.05	153.18
26 55 61 00-0012	EA	1,000 Watt, 25 To 125' Throw, Follow Spotlight (Times Square Lighting QF1000S)	3,022.42	153.18
26 55 63		**Detention Lighting** *(26 55)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 63 00-0001		**Maximum Security Recessed Luminaire** *(26 55 63)* Note: Failsafe - FMR series.		
26 55 63 00-0002	EA	12" x 48", Two 32 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate.	1,244.07	41.46
26 55 63 00-0003	EA	12" x 48", Three 32 Watt, Lamps,14 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate.	1,365.20	41.46
26 55 63 00-0004	EA	24" x 24", Two 17 Watt, Lamps,14 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate.	1,196.11	49.76
26 55 63 00-0005	EA	24" x 48", Two 32 Watt, Lamps,14 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate.	1,632.68	58.05
26 55 63 00-0006	EA	24" x 48", Three 32 Watt, Lamps,14 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate.	1,632.68	58.05
26 55 63 00-0007	EA	24" x 48", Four 32 Watt, Lamps,14 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate.	1,632.68	58.05
26 55 63 00-0008	EA	12" x 48", Two 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate.	1,244.07	41.46
26 55 63 00-0009	EA	12" x 48", Three 32 Watt, Lamps,16 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate.	1,425.77	41.46
26 55 63 00-0010	EA	24" x 24", Two 17 Watt, T8 Fluorescent Lamps, 16 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.187" clear tempered glass environmental side.	1,256.68	49.77
26 55 63 00-0011	EA	24" x 48", Two 32 Watt, Lamps,16 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.187" clear tempered glass environmental side.	1,450.99	58.05
26 55 63 00-0012	EA	24" x 48", Three 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.187" clear tempered glass environmental side.	1,450.99	58.05
26 55 63 00-0013	EA	24" x 48", Four 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.187" clear tempered glass environmental side.	1,450.99	58.05
26 55 63 00-0014	EA	12" x 48", Two 32 Watt, Lamps,18 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate.	1,092.65	41.46
26 55 63 00-0015	EA	12" x 48", Three 32 Watt, Lamps,18 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate.	1,092.65	41.46
26 55 63 00-0016	EA	24" x 24", Two 17 Watt, Lamps,18 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate.	1,317.24	49.76
26 55 63 00-0017	EA	24" x 48", Two 32 Watt, Lamps,18 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate.	1,572.12	58.05
26 55 63 00-0018	EA	24" x 48", Three 32 Watt, Lamps,18 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate.	1,584.23	58.05
26 55 63 00-0019	EA	24" x 48", Four 32 Watt, Lamps,18 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate.	1,584.23	58.05
26 55 63 00-0020		**Maximum Security Surface Luminaire** *(26 55 63)* Note: Failsafe - FMR series.		
26 55 63 00-0021	EA	12" x 24", Two 32 Watt, Lamps,12 Gauge, Maximum Security Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate environmental side.	1,122.93	41.46
26 55 63 00-0022	EA	12" x 24", Three 32 Watt, Lamps,12 Gauge, Maximum Security Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate environmental side.	1,395.48	41.46
26 55 63 00-0023	EA	12" x 48", Two 32 Watt, Lamps,14 Gauge, Maximum Security Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate environmental side.	1,062.37	41.46
26 55 63 00-0024	EA	12" x 48", Three 32 Watt, Lamps,14 Gauge, Maximum Security Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate environmental side.	1,062.37	41.46
26 55 63 00-0025	EA	19" x 24", Two 17 Watt, Lamps,14 Gauge, Maximum Security Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate environmental side.	1,044.70	49.76
26 55 63 00-0026	EA	19" x 48", Two 32 Watt, Lamps,14 Gauge, Maximum Security Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate environmental side.	1,293.26	53.90
26 55 63 00-0027	EA	19" x 48", Three 32 Watt, Lamps,14 Gauge, Ultimax Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate environmental side.	1,323.54	53.90
26 55 63 00-0028	EA	16" x 48", Four 32 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate environmental side.	1,323.54	53.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 63 00-0029		**Ultimax Surface Luminaire** *(26 55 63)* Note: Failsafe - FMR series.		
26 55 63 00-0030	EA	12" x 48", Two 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Ultimax Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens and 0.250" clear tempered glass environmental side lens.	1,037.27	41.46
26 55 63 00-0031	EA	12" x 48", Three 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Ultimax Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens and 0.250" clear tempered glass environmental side lens.	1,345.10	41.46
26 55 63 00-0032	EA	24" x 24", Two 17 Watt, T8 Fluorescent Lamps, 16 Gauge, Ultimax Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens and 0.250" clear tempered glass environmental side lens.	1,153.19	49.76
26 55 63 00-0033	EA	24" x 48", Two 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Ultimax Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens and 0.250" clear tempered glass environmental side lens.	1,183.62	58.05
26 55 63 00-0034	EA	24" x 48", Three 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Ultimax Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens and 0.250" clear tempered glass environmental side lens.	1,188.62	58.05
26 55 63 00-0035	EA	24" x 48", Four 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Ultimax Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens and 0.250" clear tempered glass environmental side lens.	1,193.62	58.05
26 55 63 00-0036		**Maximum Security Wall Luminaire** *(26 55 63)* Note: Failsafe - FMR series.		
26 55 63 00-0037	EA	10.5" x 48", Two 32 Watt Lamps, 14 Gauge, Maximum Security Wall Luminaire Note: 1 up, 1 down, 1 electronic ballast for T8 lamps. 0.005" UV absorbing inner level overlay, 0.375" clear polycarbonate environmental side.	1,365.20	41.60
26 55 63 00-0038	EA	10.5" x 48", Three 32 Watt, T8 Lamps, 14 Gauge, Maximum Security Wall Luminaire Note: 1 up, 2 down, 1 electronic ballast for T8 lamps. 0.005" UV absorbing inner level overlay, 0.375" clear polycarbonate environmental side.	1,365.20	41.60
26 55 63 00-0039	EA	10.5" x 48", Four 32 Watt, T8 Lamps, 14 Gauge, Maximum Security Wall Luminaire Note: 2 up, 2 down, 1 electronic ballast for T8 lamps. 0.005" UV absorbing inner level overlay, 0.375" clear polycarbonate environmental side.	1,365.20	41.60
26 55 68		**Athletic Field Lighting** *(26 55)*		
26 55 68 00-0001		**Sports Lighting System** *(26 55 68)* Note: Musco.		
26 55 68 00-0002		**Round Steel Tapered Poles** *(26 55 68 00-0001)* Note: With Internal wiring harness.		
26 55 68 00-0003	EA	20' Steel Tapered Pole With Precast Concrete Foundation Sleeve	4,194.59	669.05
26 55 68 00-0004	EA	25' Steel Tapered Pole With Precast Concrete Foundation Sleeve	5,046.87	808.43
26 55 68 00-0005	EA	30' Steel Tapered Pole With Precast Concrete Foundation Sleeve	5,693.17	878.13
26 55 68 00-0006	EA	35' Steel Tapered Pole With Precast Concrete Foundation Sleeve	6,232.77	912.97
26 55 68 00-0007	EA	40' Steel Tapered Pole With Precast Concrete Foundation Sleeve	7,849.12	947.81
26 55 68 00-0008	EA	45' Steel Tapered Pole With Precast Concrete Foundation Sleeve	8,997.52	1,156.90
26 55 68 00-0009	EA	50' Steel Tapered Pole With Precast Concrete Foundation Sleeve	9,671.61	1,226.58
26 55 68 00-0010	EA	55' Steel Tapered Pole With Precast Concrete Foundation Sleeve	10,986.41	1,393.85
26 55 68 00-0011	EA	60' Steel Tapered Pole With Precast Concrete Foundation Sleeve	12,475.56	1,568.08
26 55 68 00-0012	EA	65' Steel Tapered Pole With Precast Concrete Foundation Sleeve	13,813.16	1,737.83
26 55 68 00-0013	EA	70' Steel Tapered Pole With Precast Concrete Foundation Sleeve	15,059.74	1,942.28
26 55 68 00-0014	EA	75' Steel Tapered Pole With Precast Concrete Foundation Sleeve	16,410.13	2,180.81
26 55 68 00-0015	EA	80' Steel Tapered Pole With Precast Concrete Foundation Sleeve	18,383.30	2,623.78
26 55 68 00-0016		**Steel Pole Brackets** *(26 55 68 00-0001)*		
26 55 68 00-0017	EA	Two Light Bracket	709.09	69.69
26 55 68 00-0018	EA	Three Light Bracket	890.67	97.57
26 55 68 00-0019	EA	Four Light Bracket	1,289.41	118.48
26 55 68 00-0020	EA	Five Light Bracket	1,466.79	139.39
26 55 68 00-0021	EA	Six Light Bracket	1,781.15	160.29
26 55 68 00-0022	EA	Seven Light Bracket	2,039.58	181.20
26 55 68 00-0023	EA	Eight Light Bracket	2,333.08	209.07
26 55 68 00-0024	EA	Nine Light Bracket	2,637.19	229.99
26 55 68 00-0025		**Light Fixtures** *(26 55 68 00-0001)*		
26 55 68 00-0026	EA	120 or 270 Volt, Sportlite Fixtures Complete with 1,000 Watt Metal Halide Lamp, Hook Cord And Plug	1,428.39	
		For 1,500 Watt Metal Halide Lamp, Add	*15.61*	
26 55 68 00-0027		**Electrical Component Enclosure** *(26 55 68 00-0001)* Note: Pole mounted NEMA 3R enclosure with thermal magnetic breaker and multiple ballasts to match total light fixtures. For light structures with more than 6 lights, use multiple enclosures.		
26 55 68 00-0028	EA	Electrical Component Enclosure For 2 Lights, Pole Mounted	1,046.57	81.94
26 55 68 00-0029	EA	Electrical Component Enclosure For 3 Lights, Pole Mounted	1,570.28	126.07
26 55 68 00-0030	EA	Electrical Component Enclosure For 4 Lights, Pole Mounted	1,801.86	157.58
26 55 68 00-0031	EA	Electrical Component Enclosure For 5 Lights, Pole Mounted	2,330.20	176.50
26 55 68 00-0032	EA	Electrical Component Enclosure For 6 Lights, Pole Mounted	2,620.64	189.10

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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 68 00-0033		**Accessories** *(26 55 68 00-0001)*		
26 55 68 00-0034	EA	Time Delay Kit (Musco®)	1,055.99	252.53
26 55 68 00-0035	EA	Remote Switch Box Push Button (Musco®)	2,157.85	252.53
26 55 68 00-0036	EA	Push Button Strobe Kit (Musco®)	2,598.59	252.53
26 55 68 00-0037	EA	Additional Control-Link Unit (Musco®)	12,533.76	757.60
26 55 68 00-0038	EA	Auxiliary Brackets For Speakers Or Egress Fixtures, For New Installations (Musco®)	1,354.00	126.07
26 55 68 00-0039	EA	Auxiliary Brackets For Speakers Or Egress Fixtures, For Retrofit Applications (Musco®)	1,606.13	252.14
26 55 70		**Healthcare Lighting** *(26 55)*		
26 55 70 00-0001		**Surgical Lighting Fixtures** *(26 55 70)*		
26 55 70 00-0002	EA	Surgical Lighting Fixture, 120 Volt, Max Va 126, 100 Volt Halogen	6,093.96	
26 55 70 00-0003	EA	Install Owner Furnished Surgical Lights	739.41	
26 55 70 00-0004		**Patient Care Fluorescent Fixtures** *(26 55 70)*		
26 55 70 00-0005		**Ambient And Exam Combination, Patient Care Fluorescent Fixtures (Cooper Fail-Safe)** *(26 55 70 00-0004)*		
		Note: Includes ambient and exam lights, 20 gauge steel housing with powder coated finish, acrylic diffuser and electronic ballast.		
26 55 70 00-0006	EA	2' x 2', 3 T8 Ambient Lamps, 2 T8 Exam Lamps, Multi-Function Patient Care Fluorescent Troffer (Cooper MAE)	1,508.71	57.99
26 55 70 00-0007	EA	2' x 4', 3 T8 Ambient Lamps, 2 T8 Exam Lamps, Multi-Function Patient Care Fluorescent Troffer (Cooper MAE)	1,665.67	57.99
26 55 70 00-0008	EA	2' x 4', 2 Biax Ambient Lamps, 4 Biax Exam Lamps, Multi-Function Patient Care Fluorescent Troffer (Cooper MPR2)	1,354.18	57.99
26 55 70 00-0009		**Reading, Ambient And Exam Combination, Patient Care Fluorescent Fixtures (Cooper Fail-Safe)** *(26 55 70 00-0004)*		
		Note: Includes reading, ambient and exam lights, 20 gauge steel housing with powder coated finish, acrylic diffuser and electronic ballast.		
26 55 70 00-0010	EA	2' x 4', 1 Biax Reading Lamp, 2 Biax Ambient Lamps, 3 Biax Exam Lamps, Multi-Function Patient Care Fluorescent Troffer (Cooper MPR)	1,496.87	57.99
26 55 70 00-0011		**Multi-Function Patient Care Fluorescent Fixtures (Day-Brite MPC)** *(26 55 70 00-0004)*		
		Note: Includes reading, ambient, exam and nurses light, steel housing with baked enamel finish, acrylic diffuser and electronic ballasts.		
26 55 70 00-0012	EA	2' x 4', 6 40W T5 Lamps, Multi-Function Patient Care Fluorescent Fixture (Day-Brite MPC)	2,272.58	57.99
26 55 70 00-0013		**Patient Room Lighting Fixtures** *(26 55 70)*		
26 55 70 00-0014	EA	Hill-Rom Integris Patient Room Light	1,070.65	50.43
26 55 70 00-0015		**Exam And Surgical Lighting Fixtures** *(26 55 70)*		
26 55 70 00-0016	EA	Dual Intensity, K-arm, Ceiling Mounted, Exam Light (Burton PHL-NXC)	972.06	63.03
26 55 70 00-0017	EA	Ceiling Mounted, Spot Exam Light (Sunnex SNX-HM2017-44EXT)	1,685.07	63.03
26 55 70 00-0018	EA	Ceiling Mounted, LED Exam Light (Bovie BOV-XLDP-SC)	3,713.53	63.03
26 55 70 00-0019	EA	Two LED Series, Ceiling Mounted, Surgical Light With Monitor And Monitor Arm (Bovie BOV-XLDS-S2MA)	18,021.52	84.09
26 55 70 00-0020	EA	Two LED Series, Triple Ceiling Mounted, Surgical Light With Monitor And Monitor Arm (Bovie BOV-XLDS-S23MA)	26,037.57	126.07
26 55 70 00-0021	EA	Double Ceiling Mounted, Dual Spot Exam Lights (Burton PHL-CS316DC)	6,037.65	84.09
26 55 70 00-0022	EA	Double Ceiling Mounted, Dual Y Shape Lamp Heads (Burton PHL-A50DC)	6,484.47	84.09
26 55 70 00-0023	EA	Double Ceiling Mounted, Halogen Bulbs (Burton PHL-OP216DC)	5,477.93	84.09
26 55 70 00-0024	EA	360 Degree Rotation, 120 Volt, Double Ceiling Mounted, Surgical Light (Burton PHL-A100DC)	7,659.04	126.07
26 55 70 00-0025	EA	Double Ceiling Mounted, Spot Examination Lights (Burton PHL-CS316DT)	8,412.61	84.09
26 55 70 00-0026	EA	Double Ceiling Mounted, Y Shaped Examination Light (Burton PHL-OP216DT)	7,936.84	84.09
26 55 70 00-0027	EA	Double Ceiling Mounted, Examination/Spot Combination Light (Burton PHL-OC516CC)	5,769.02	100.85
26 55 70 00-0028	EA	Double Ceiling Mounted, LED Procedure Light (Bovie BOV-XLDP-DC)	7,644.25	84.09
26 55 70 00-0029	EA	Double Ceiling Mounted, LED Examination Light (Burton PHL-ALEDDC)	6,990.28	126.07
26 55 70 00-0030	EA	Two Monitor Arm, Ceiling Mounted, Exam Light (Bovie BOV-XLDS-MA)	7,979.72	84.09
26 55 70 00-0031	EA	360 Degree Rotation, 120 Volt, Single Ceiling Mounted Surgical Light (Burton PHL-A100SC)	4,285.37	71.98
		For Extension Shaft Assembly For Single Ceiling Lamp AIM Series (Burton 6000218)	*433.73*	
26 55 70 00-0032	EA	360 Degree Rotation, Autoclavable Handle, Ceiling Mounted Surgical Light (Burton PHL-APXSC8)	12,640.64	71.98
26 55 70 00-0033	EA	Ceiling Mounted Surgical Light (Burton PHL-A200SC)	6,274.31	71.98
26 55 70 00-0034	EA	MRI Compatible, Ceiling Mounted Surgical Light (Sunnex SNX-CS2050C-MRI)	6,233.51	71.98
26 55 70 00-0035	EA	Ceiling Mounted LED Surgical Light (Bovie BOV-XLD-SC)	4,808.46	71.98
26 55 70 00-0036	EA	Ceiling Mounted LED Surgical Light With Battery Pack (Bovie BOV-XLD-SCB)	7,159.71	71.98
26 55 70 00-0037	EA	Ceiling Mounted Two LED Series Surgical Light (Bovie BOV-XLDS-S2)	11,094.56	71.98
26 55 70 00-0038	EA	Dual Ceiling Mounted LED Series Surgical Light And HD Video Camera Arm (Bovie BOV-XLDS-S2VC)	20,183.71	71.98
26 55 70 00-0039	EA	Medical Illumination, Single Trolley Shuttle Track, Ceiling Mounted Surgical Light (Medical Illumination MII-64011)	2,870.98	71.98
26 55 70 00-0040	EA	Double Ceiling Mounted, Surgical Light (Burton PHL-A200DC)	11,263.46	126.07
26 55 70 00-0041	EA	Double Ceiling Mounted, Surgical Light (Burton PHL-APXDC8)	24,621.48	126.07
26 55 70 00-0042	EA	Double Ceiling Mounted, LED Surgical Light (Bovie BOV-XLD-DC)	9,178.01	126.07
26 55 70 00-0043	EA	Double Ceiling Mounted, Autoclavable Handle, LED Surgical Light (Sunnex SNX-CSLED-D)	6,655.06	126.07
26 55 70 00-0044	EA	Triple Ceiling Mounted, LED Series Surgical Light (Bovie BOV-XLDS-S23)	28,943.61	144.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 70 00-0045	EA	Triple Ceiling Mounted, LED Series Surgical Light And Monitor Arm (Bovie BOV-XLDS-S23MA)	26,109.55	144.10

26 56 Exterior Lighting *(26 50)*

26 56 13 Lighting Poles and Standards *(26 56)*

26 56 13 00-0001 Poles And Standards *(26 56 13)*

See CSI section 26 05 46 00-0000 for additional poles, 26 05 46 00-0001 for additional pole.

26 56 13 00-0002 Roadway Light Poles *(26 56 13 00-0001)*

Note: Excludes lighting fixtures.

26 56 13 00-0003 Steel Roadway Light Poles *(26 56 13 00-0002)*

Note: Includes prime painted finish, anchor bolts, steel base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).

26 56 13 00-0004 Round Tapered, Steel Roadway Light Poles *(26 56 13 00-0003)*

26 56 13 00-0005 Round Tapered, Steel Roadway Light Poles With Upsweep Style Arms *(26 56 13 00-0004)*

26 56 13 00-0006 Round Tapered, Steel Roadway Light Poles With Single Upsweep Style Arm *(26 56 13 00-0005)*

26 56 13 00-0007	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	2,699.56	418.16
		For Galvanized Finish, Add	*55.90*	
		For >10 To 20, Deduct	*-67.49*	
		For >20 To 40, Deduct	*-134.98*	
		For >40, Deduct	*-223.37*	
26 56 13 00-0008	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	2,704.16	418.16
		For Galvanized Finish, Add	*56.04*	
		For >10 To 20, Deduct	*-67.60*	
		For >20 To 40, Deduct	*-135.21*	
		For >40, Deduct	*-223.72*	
26 56 13 00-0009	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,010.22	557.54
		For Galvanized Finish, Add	*56.85*	
		For >10 To 20, Deduct	*-75.26*	
		For >20 To 40, Deduct	*-150.51*	
		For >40, Deduct	*-253.64*	
26 56 13 00-0010	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,065.60	557.54
		For Galvanized Finish, Add	*58.52*	
		For >10 To 20, Deduct	*-76.64*	
		For >20 To 40, Deduct	*-153.28*	
		For >40, Deduct	*-257.80*	
26 56 13 00-0011	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,120.97	557.54
		For Galvanized Finish, Add	*60.18*	
		For >10 To 20, Deduct	*-78.02*	
		For >20 To 40, Deduct	*-156.05*	
		For >40, Deduct	*-261.95*	
26 56 13 00-0012	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,272.01	627.23
		For Galvanized Finish, Add	*60.53*	
		For >10 To 20, Deduct	*-81.80*	
		For >20 To 40, Deduct	*-163.60*	
		For >40, Deduct	*-276.76*	
26 56 13 00-0013	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,298.27	627.23
		For Galvanized Finish, Add	*61.31*	
		For >10 To 20, Deduct	*-82.46*	
		For >20 To 40, Deduct	*-164.91*	
		For >40, Deduct	*-278.73*	
26 56 13 00-0014	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,303.27	627.23
		For Galvanized Finish, Add	*61.46*	
		For >10 To 20, Deduct	*-82.58*	
		For >20 To 40, Deduct	*-165.16*	
		For >40, Deduct	*-279.11*	
26 56 13 00-0015	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,466.19	662.07
		For Galvanized Finish, Add	*64.26*	
		For >10 To 20, Deduct	*-86.65*	
		For >20 To 40, Deduct	*-173.31*	
		For >40, Deduct	*-293.07*	
26 56 13 00-0016	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,486.02	662.07
		For Galvanized Finish, Add	*64.86*	
		For >10 To 20, Deduct	*-87.15*	
		For >20 To 40, Deduct	*-174.30*	
		For >40, Deduct	*-294.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0017	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,507.68	662.07
		For Galvanized Finish, Add	*65.51*	
		For >10 To 20, Deduct	*-87.69*	
		For >20 To 40, Deduct	*-175.38*	
		For >40, Deduct	*-296.18*	
26 56 13 00-0018	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,965.32	696.93
		For Galvanized Finish, Add	*77.14*	
		For >10 To 20, Deduct	*-99.13*	
		For >20 To 40, Deduct	*-198.27*	
		For >40, Deduct	*-332.25*	
26 56 13 00-0019	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,972.38	696.93
		For Galvanized Finish, Add	*77.36*	
		For >10 To 20, Deduct	*-99.31*	
		For >20 To 40, Deduct	*-198.62*	
		For >40, Deduct	*-332.77*	
26 56 13 00-0020	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,979.36	696.93
		For Galvanized Finish, Add	*77.57*	
		For >10 To 20, Deduct	*-99.48*	
		For >20 To 40, Deduct	*-198.97*	
		For >40, Deduct	*-333.30*	

26 56 13 00-0021 Round Tapered, Steel Roadway Light Poles With Two Upsweep Style Arms *(26 56 13 00-0005)*

26 56 13 00-0022	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,341.53	487.84
		For Galvanized Finish, Add	*70.97*	
		For >10 To 20, Deduct	*-83.54*	
		For >20 To 40, Deduct	*-167.08*	
		For >40, Deduct	*-275.01*	
26 56 13 00-0023	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,405.96	505.27
		For Galvanized Finish, Add	*71.86*	
		For >10 To 20, Deduct	*-85.15*	
		For >20 To 40, Deduct	*-170.30*	
		For >40, Deduct	*-280.71*	
26 56 13 00-0024	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,463.11	522.70
		For Galvanized Finish, Add	*72.53*	
		For >10 To 20, Deduct	*-86.58*	
		For >20 To 40, Deduct	*-173.16*	
		For >40, Deduct	*-285.87*	
26 56 13 00-0025	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,428.46	627.23
		For Galvanized Finish, Add	*65.22*	
		For >10 To 20, Deduct	*-85.71*	
		For >20 To 40, Deduct	*-171.42*	
		For >40, Deduct	*-288.50*	
26 56 13 00-0026	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,475.05	644.65
		For Galvanized Finish, Add	*65.57*	
		For >10 To 20, Deduct	*-86.88*	
		For >20 To 40, Deduct	*-173.75*	
		For >40, Deduct	*-292.86*	
26 56 13 00-0027	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,514.66	662.07
		For Galvanized Finish, Add	*65.72*	
		For >10 To 20, Deduct	*-87.87*	
		For >20 To 40, Deduct	*-175.73*	
		For >40, Deduct	*-296.70*	
26 56 13 00-0028	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,712.87	696.93
		For Galvanized Finish, Add	*69.57*	
		For >10 To 20, Deduct	*-92.82*	
		For >20 To 40, Deduct	*-185.64*	
		For >40, Deduct	*-313.31*	
26 56 13 00-0029	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,754.86	714.35
		For Galvanized Finish, Add	*69.78*	
		For >10 To 20, Deduct	*-93.87*	
		For >20 To 40, Deduct	*-187.74*	
		For >40, Deduct	*-317.33*	
26 56 13 00-0030	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,794.23	731.77
		For Galvanized Finish, Add	*69.92*	
		For >10 To 20, Deduct	*-94.86*	
		For >20 To 40, Deduct	*-189.71*	
		For >40, Deduct	*-321.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0031	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,934.49	731.77
		For Galvanized Finish, Add	*74.13*	
		For >10 To 20, Deduct	*-98.36*	
		For >20 To 40, Deduct	*-196.72*	
		For >40, Deduct	*-331.68*	
26 56 13 00-0032	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,000.04	749.19
		For Galvanized Finish, Add	*75.05*	
		For >10 To 20, Deduct	*-100.00*	
		For >20 To 40, Deduct	*-200.00*	
		For >40, Deduct	*-337.46*	
26 56 13 00-0033	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,064.00	766.62
		For Galvanized Finish, Add	*75.92*	
		For >10 To 20, Deduct	*-101.60*	
		For >20 To 40, Deduct	*-203.20*	
		For >40, Deduct	*-343.13*	
26 56 13 00-0034	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	4,406.33	766.62
		For Galvanized Finish, Add	*86.19*	
		For >10 To 20, Deduct	*-110.16*	
		For >20 To 40, Deduct	*-220.32*	
		For >40, Deduct	*-368.81*	
26 56 13 00-0035	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,445.78	784.04
		For Galvanized Finish, Add	*86.33*	
		For >10 To 20, Deduct	*-111.14*	
		For >20 To 40, Deduct	*-222.29*	
		For >40, Deduct	*-372.64*	
26 56 13 00-0036	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,485.39	801.46
		For Galvanized Finish, Add	*86.47*	
		For >10 To 20, Deduct	*-112.13*	
		For >20 To 40, Deduct	*-224.27*	
		For >40, Deduct	*-376.48*	

26 56 13 00-0037 Round Tapered, Steel Roadway Light Poles With Three Upsweep Style Arms *(26 56 13 00-0005)*

26 56 13 00-0038	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,002.76	696.93
		For Galvanized Finish, Add	*78.27*	
		For >10 To 20, Deduct	*-100.07*	
		For >20 To 40, Deduct	*-200.14*	
		For >40, Deduct	*-335.05*	
26 56 13 00-0039	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,077.13	731.77
		For Galvanized Finish, Add	*78.41*	
		For >10 To 20, Deduct	*-101.93*	
		For >20 To 40, Deduct	*-203.86*	
		For >40, Deduct	*-342.37*	
26 56 13 00-0040	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	4,158.48	766.62
		For Galvanized Finish, Add	*78.76*	
		For >10 To 20, Deduct	*-103.96*	
		For >20 To 40, Deduct	*-207.92*	
		For >40, Deduct	*-350.22*	
26 56 13 00-0041	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,259.08	766.62
		For Galvanized Finish, Add	*81.78*	
		For >10 To 20, Deduct	*-106.48*	
		For >20 To 40, Deduct	*-212.95*	
		For >40, Deduct	*-357.76*	
26 56 13 00-0042	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,335.68	801.46
		For Galvanized Finish, Add	*81.98*	
		For >10 To 20, Deduct	*-108.39*	
		For >20 To 40, Deduct	*-216.78*	
		For >40, Deduct	*-365.25*	
26 56 13 00-0043	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	4,410.05	836.31
		For Galvanized Finish, Add	*82.12*	
		For >10 To 20, Deduct	*-110.25*	
		For >20 To 40, Deduct	*-220.50*	
		For >40, Deduct	*-372.57*	
26 56 13 00-0044	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,520.29	801.46
		For Galvanized Finish, Add	*87.52*	
		For >10 To 20, Deduct	*-113.01*	
		For >20 To 40, Deduct	*-226.01*	
		For >40, Deduct	*-379.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0045	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,594.66	836.31
		For Galvanized Finish, Add	*87.66*	
		For >10 To 20, Deduct	*-114.87*	
		For >20 To 40, Deduct	*-229.73*	
		For >40, Deduct	*-386.42*	
26 56 13 00-0046	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	4,669.04	871.16
		For Galvanized Finish, Add	*87.80*	
		For >10 To 20, Deduct	*-116.73*	
		For >20 To 40, Deduct	*-233.45*	
		For >40, Deduct	*-393.74*	
26 56 13 00-0047	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,847.34	836.31
		For Galvanized Finish, Add	*95.24*	
		For >10 To 20, Deduct	*-121.18*	
		For >20 To 40, Deduct	*-242.37*	
		For >40, Deduct	*-405.37*	
26 56 13 00-0048	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,921.48	871.16
		For Galvanized Finish, Add	*95.38*	
		For >10 To 20, Deduct	*-123.04*	
		For >20 To 40, Deduct	*-246.07*	
		For >40, Deduct	*-412.67*	
26 56 13 00-0049	EA	40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	5,000.53	906.00
		For Galvanized Finish, Add	*95.66*	
		For >10 To 20, Deduct	*-125.01*	
		For >20 To 40, Deduct	*-250.03*	
		For >40, Deduct	*-420.34*	

26 56 13 00-0050 Round Tapered, Steel Roadway Light Poles With Four Upsweep Style Arms *(26 56 13 00-0005)*

26 56 13 00-0051	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	4,446.07	766.62
		For Galvanized Finish, Add	*87.39*	
		For >10 To 20, Deduct	*-111.15*	
		For >20 To 40, Deduct	*-222.30*	
		For >40, Deduct	*-371.79*	
26 56 13 00-0052	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	4,557.59	818.89
		For Galvanized Finish, Add	*87.59*	
		For >10 To 20, Deduct	*-113.94*	
		For >20 To 40, Deduct	*-227.88*	
		For >40, Deduct	*-382.76*	
26 56 13 00-0053	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	4,666.73	871.16
		For Galvanized Finish, Add	*87.73*	
		For >10 To 20, Deduct	*-116.67*	
		For >20 To 40, Deduct	*-233.34*	
		For >40, Deduct	*-393.56*	
26 56 13 00-0054	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	4,731.04	836.31
		For Galvanized Finish, Add	*91.75*	
		For >10 To 20, Deduct	*-118.28*	
		For >20 To 40, Deduct	*-236.55*	
		For >40, Deduct	*-396.64*	
26 56 13 00-0055	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	4,840.50	888.58
		For Galvanized Finish, Add	*91.90*	
		For >10 To 20, Deduct	*-121.01*	
		For >20 To 40, Deduct	*-242.03*	
		For >40, Deduct	*-407.47*	
26 56 13 00-0056	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	4,922.98	940.84
		For Galvanized Finish, Add	*91.24*	
		For >10 To 20, Deduct	*-123.07*	
		For >20 To 40, Deduct	*-246.15*	
		For >40, Deduct	*-416.27*	
26 56 13 00-0057	EA	35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,066.42	871.16
		For Galvanized Finish, Add	*99.72*	
		For >10 To 20, Deduct	*-126.66*	
		For >20 To 40, Deduct	*-253.32*	
		For >40, Deduct	*-423.54*	
26 56 13 00-0058	EA	35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	5,207.47	923.42
		For Galvanized Finish, Add	*100.82*	
		For >10 To 20, Deduct	*-130.19*	
		For >20 To 40, Deduct	*-260.37*	
		For >40, Deduct	*-436.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0059	EA	35' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	5,287.32	975.70
		For Galvanized Finish, Add	*100.08*	
		For >10 To 20, Deduct	*-132.18*	
		For >20 To 40, Deduct	*-264.37*	
		For >40, Deduct	*-445.33*	
26 56 13 00-0060	EA	40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,288.12	906.00
		For Galvanized Finish, Add	*104.28*	
		For >10 To 20, Deduct	*-132.20*	
		For >20 To 40, Deduct	*-264.41*	
		For >40, Deduct	*-441.91*	
26 56 13 00-0061	EA	40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	5,397.26	958.27
		For Galvanized Finish, Add	*104.42*	
		For >10 To 20, Deduct	*-134.93*	
		For >20 To 40, Deduct	*-269.86*	
		For >40, Deduct	*-452.71*	
26 56 13 00-0062	EA	40' High, 10.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	5,508.79	1,010.54
		For Galvanized Finish, Add	*104.63*	
		For >10 To 20, Deduct	*-137.72*	
		For >20 To 40, Deduct	*-275.44*	
		For >40, Deduct	*-463.69*	

26 56 13 00-0063 Round Tapered, Steel Roadway Light Poles With Davit Style Arm *(26 56 13 00-0004)*

26 56 13 00-0064 Round Tapered, Steel Roadway Light Poles With Single Davit Style Arm *(26 56 13 00-0063)*

26 56 13 00-0065	EA	25' High, 6.4" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	3,181.58	557.54
		For Galvanized Finish, Add	*62.00*	
		For >10 To 20, Deduct	*-79.54*	
		For >20 To 40, Deduct	*-159.08*	
		For >40, Deduct	*-266.50*	
26 56 13 00-0066	EA	30' High, 7.1" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	3,597.92	627.23
		For Galvanized Finish, Add	*70.30*	
		For >10 To 20, Deduct	*-89.95*	
		For >20 To 40, Deduct	*-179.90*	
		For >40, Deduct	*-301.21*	
26 56 13 00-0067	EA	35' High, 7.8" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	3,706.18	662.07
		For Galvanized Finish, Add	*71.46*	
		For >10 To 20, Deduct	*-92.65*	
		For >20 To 40, Deduct	*-185.31*	
		For >40, Deduct	*-311.07*	
26 56 13 00-0068	EA	40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	4,367.38	696.93
		For Galvanized Finish, Add	*89.21*	
		For >10 To 20, Deduct	*-109.18*	
		For >20 To 40, Deduct	*-218.37*	
		For >40, Deduct	*-362.40*	

26 56 13 00-0069 Round Tapered, Steel Roadway Light Poles With Truss Style Arms *(26 56 13 00-0004)*

26 56 13 00-0070 Round Tapered, Steel Roadway Light Poles With Single Truss Style Arm *(26 56 13 00-0069)*

26 56 13 00-0071	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	4,008.80	557.54
		For Galvanized Finish, Add	*86.81*	
		For >10 To 20, Deduct	*-100.22*	
		For >20 To 40, Deduct	*-200.44*	
		For >40, Deduct	*-328.54*	
26 56 13 00-0072	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	4,044.26	557.54
		For Galvanized Finish, Add	*87.88*	
		For >10 To 20, Deduct	*-101.11*	
		For >20 To 40, Deduct	*-202.21*	
		For >40, Deduct	*-331.20*	
26 56 13 00-0073	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	4,060.45	557.54
		For Galvanized Finish, Add	*88.36*	
		For >10 To 20, Deduct	*-101.51*	
		For >20 To 40, Deduct	*-203.02*	
		For >40, Deduct	*-332.41*	
26 56 13 00-0074	EA	30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	4,183.64	627.23
		For Galvanized Finish, Add	*87.88*	
		For >10 To 20, Deduct	*-104.59*	
		For >20 To 40, Deduct	*-209.18*	
		For >40, Deduct	*-345.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0075	EA	30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	4,189.83	627.23
		For Galvanized Finish, Add	*88.06*	
		For >10 To 20, Deduct	*-104.75*	
		For >20 To 40, Deduct	*-209.49*	
		For >40, Deduct	*-345.60*	
26 56 13 00-0076	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	4,253.78	627.23
		For Galvanized Finish, Add	*89.98*	
		For >10 To 20, Deduct	*-106.34*	
		For >20 To 40, Deduct	*-212.69*	
		For >40, Deduct	*-350.40*	
26 56 13 00-0077	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	4,274.37	662.07
		For Galvanized Finish, Add	*88.51*	
		For >10 To 20, Deduct	*-106.86*	
		For >20 To 40, Deduct	*-213.72*	
		For >40, Deduct	*-353.68*	
26 56 13 00-0078	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	4,311.81	662.07
		For Galvanized Finish, Add	*89.63*	
		For >10 To 20, Deduct	*-107.80*	
		For >20 To 40, Deduct	*-215.59*	
		For >40, Deduct	*-356.49*	
26 56 13 00-0079	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	4,508.17	662.07
		For Galvanized Finish, Add	*95.52*	
		For >10 To 20, Deduct	*-112.70*	
		For >20 To 40, Deduct	*-225.41*	
		For >40, Deduct	*-371.22*	

26 56 13 00-0080 Round Tapered, Steel Roadway Light Poles With Two Truss Style Arms *(26 56 13 00-0069)*

26 56 13 00-0081	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	5,231.02	696.93
		For Galvanized Finish, Add	*115.12*	
		For >10 To 20, Deduct	*-130.78*	
		For >20 To 40, Deduct	*-261.55*	
		For >40, Deduct	*-427.17*	
26 56 13 00-0082	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	5,334.66	731.77
		For Galvanized Finish, Add	*116.13*	
		For >10 To 20, Deduct	*-133.37*	
		For >20 To 40, Deduct	*-266.73*	
		For >40, Deduct	*-436.69*	
26 56 13 00-0083	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	5,537.63	766.62
		For Galvanized Finish, Add	*120.13*	
		For >10 To 20, Deduct	*-138.44*	
		For >20 To 40, Deduct	*-276.88*	
		For >40, Deduct	*-453.65*	
26 56 13 00-0084	EA	30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	5,350.72	766.62
		For Galvanized Finish, Add	*114.52*	
		For >10 To 20, Deduct	*-133.77*	
		For >20 To 40, Deduct	*-267.54*	
		For >40, Deduct	*-439.63*	
26 56 13 00-0085	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	5,595.83	801.46
		For Galvanized Finish, Add	*119.79*	
		For >10 To 20, Deduct	*-139.90*	
		For >20 To 40, Deduct	*-279.79*	
		For >40, Deduct	*-459.76*	
26 56 13 00-0086	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	5,751.84	836.31
		For Galvanized Finish, Add	*122.38*	
		For >10 To 20, Deduct	*-143.80*	
		For >20 To 40, Deduct	*-287.59*	
		For >40, Deduct	*-473.20*	
26 56 13 00-0087	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	5,518.40	801.46
		For Galvanized Finish, Add	*117.46*	
		For >10 To 20, Deduct	*-137.96*	
		For >20 To 40, Deduct	*-275.92*	
		For >40, Deduct	*-453.95*	
26 56 13 00-0088	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	5,838.31	836.31
		For Galvanized Finish, Add	*124.97*	
		For >10 To 20, Deduct	*-145.96*	
		For >20 To 40, Deduct	*-291.92*	
		For >40, Deduct	*-479.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0089	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	6,036.52	871.16
		For Galvanized Finish, Add	*128.83*	
		For >10 To 20, Deduct	*-150.91*	
		For >20 To 40, Deduct	*-301.83*	
		For >40, Deduct	*-496.30*	

26 56 13 00-0090 Aluminum Roadway Light Poles *(26 56 13 00-0002)*

Note: Includes satin finish, anchor bolts, cast aluminum base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).

26 56 13 00-0091 Round Tapered, Aluminum Roadway Light Poles *(26 56 13 00-0090)*

26 56 13 00-0092 Round Tapered, Aluminum Roadway Light Poles With Upsweep Style Arms *(26 56 13 00-0091)*

26 56 13 00-0093 Round Tapered, Aluminum Roadway Light Poles With Single Upsweep Style Arm *(26 56 13 00-0092)*

26 56 13 00-0094	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	2,546.44	418.16
		For >10 To 20, Deduct	*-63.66*	
		For >20 To 40, Deduct	*-127.32*	
		For >40, Deduct	*-211.89*	
26 56 13 00-0095	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	2,567.14	418.16
		For >10 To 20, Deduct	*-64.18*	
		For >20 To 40, Deduct	*-128.36*	
		For >40, Deduct	*-213.44*	
26 56 13 00-0096	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,137.70	557.54
		For >10 To 20, Deduct	*-78.44*	
		For >20 To 40, Deduct	*-156.89*	
		For >40, Deduct	*-263.20*	
26 56 13 00-0097	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,176.81	557.54
		For >10 To 20, Deduct	*-79.42*	
		For >20 To 40, Deduct	*-158.84*	
		For >40, Deduct	*-266.14*	
26 56 13 00-0098	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,212.78	557.54
		For >10 To 20, Deduct	*-80.32*	
		For >20 To 40, Deduct	*-160.64*	
		For >40, Deduct	*-268.84*	
26 56 13 00-0099	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,597.11	627.23
		For >10 To 20, Deduct	*-89.93*	
		For >20 To 40, Deduct	*-179.86*	
		For >40, Deduct	*-301.14*	
26 56 13 00-0100	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,630.11	627.23
		For >10 To 20, Deduct	*-90.75*	
		For >20 To 40, Deduct	*-181.51*	
		For >40, Deduct	*-303.62*	
26 56 13 00-0101	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,667.02	627.23
		For >10 To 20, Deduct	*-91.68*	
		For >20 To 40, Deduct	*-183.35*	
		For >40, Deduct	*-306.39*	
26 56 13 00-0102	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	4,188.94	662.07
		For >10 To 20, Deduct	*-104.72*	
		For >20 To 40, Deduct	*-209.45*	
		For >40, Deduct	*-347.27*	
26 56 13 00-0103	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	4,221.86	662.07
		For >10 To 20, Deduct	*-105.55*	
		For >20 To 40, Deduct	*-211.09*	
		For >40, Deduct	*-349.74*	
26 56 13 00-0104	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	4,249.44	662.07
		For >10 To 20, Deduct	*-106.24*	
		For >20 To 40, Deduct	*-212.47*	
		For >40, Deduct	*-351.81*	

26 56 13 00-0105 Round Tapered, Aluminum Roadway Light Poles With Two Upsweep Style Arms *(26 56 13 00-0092)*

26 56 13 00-0106	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	2,920.85	487.84
		For >10 To 20, Deduct	*-73.02*	
		For >20 To 40, Deduct	*-146.04*	
		For >40, Deduct	*-243.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0107	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,123.72	487.84
		For >10 To 20, Deduct	*-78.09*	
		For >20 To 40, Deduct	*-156.19*	
		For >40, Deduct	*-258.67*	
26 56 13 00-0108	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,232.94	522.70
		For >10 To 20, Deduct	*-80.82*	
		For >20 To 40, Deduct	*-161.65*	
		For >40, Deduct	*-268.61*	
26 56 13 00-0109	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,500.98	627.23
		For >10 To 20, Deduct	*-87.52*	
		For >20 To 40, Deduct	*-175.05*	
		For >40, Deduct	*-293.94*	
26 56 13 00-0110	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,664.96	644.65
		For >10 To 20, Deduct	*-91.62*	
		For >20 To 40, Deduct	*-183.25*	
		For >40, Deduct	*-307.10*	
26 56 13 00-0111	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,898.78	662.07
		For >10 To 20, Deduct	*-97.47*	
		For >20 To 40, Deduct	*-194.94*	
		For >40, Deduct	*-325.51*	
26 56 13 00-0112	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	4,031.51	696.93
		For >10 To 20, Deduct	*-100.79*	
		For >20 To 40, Deduct	*-201.58*	
		For >40, Deduct	*-337.21*	
26 56 13 00-0113	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,186.16	714.35
		For >10 To 20, Deduct	*-104.65*	
		For >20 To 40, Deduct	*-209.31*	
		For >40, Deduct	*-349.68*	
26 56 13 00-0114	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,373.55	731.77
		For >10 To 20, Deduct	*-109.34*	
		For >20 To 40, Deduct	*-218.68*	
		For >40, Deduct	*-364.60*	
26 56 13 00-0115	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	4,552.99	731.77
		For >10 To 20, Deduct	*-113.82*	
		For >20 To 40, Deduct	*-227.65*	
		For >40, Deduct	*-378.06*	
26 56 13 00-0116	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,961.33	749.19
		For >10 To 20, Deduct	*-124.03*	
		For >20 To 40, Deduct	*-248.07*	
		For >40, Deduct	*-409.56*	
26 56 13 00-0117	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	5,435.24	766.62
		For >10 To 20, Deduct	*-135.88*	
		For >20 To 40, Deduct	*-271.76*	
		For >40, Deduct	*-445.97*	

26 56 13 00-0118 Round Tapered, Aluminum Roadway Light Poles With Three Upsweep Style Arms *(26 56 13 00-0092)*

26 56 13 00-0119	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	3,386.80	557.54
		For >10 To 20, Deduct	*-84.67*	
		For >20 To 40, Deduct	*-169.34*	
		For >40, Deduct	*-281.89*	
26 56 13 00-0120	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	3,620.58	592.39
		For >10 To 20, Deduct	*-90.51*	
		For >20 To 40, Deduct	*-181.03*	
		For >40, Deduct	*-301.16*	
26 56 13 00-0121	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,124.92	696.93
		For >10 To 20, Deduct	*-103.12*	
		For >20 To 40, Deduct	*-206.25*	
		For >40, Deduct	*-344.22*	
26 56 13 00-0122	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,303.13	731.77
		For >10 To 20, Deduct	*-107.58*	
		For >20 To 40, Deduct	*-215.16*	
		For >40, Deduct	*-359.32*	
26 56 13 00-0123	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,506.62	766.62
		For >10 To 20, Deduct	*-112.67*	
		For >20 To 40, Deduct	*-225.33*	
		For >40, Deduct	*-376.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0124	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,669.73	801.46
		For >10 To 20, Deduct	*-116.74*	
		For >20 To 40, Deduct	*-233.49*	
		For >40, Deduct	*-390.30*	
26 56 13 00-0125	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,864.02	801.46
		For >10 To 20, Deduct	*-121.60*	
		For >20 To 40, Deduct	*-243.20*	
		For >40, Deduct	*-404.87*	
26 56 13 00-0126	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	5,278.52	836.31
		For >10 To 20, Deduct	*-131.96*	
		For >20 To 40, Deduct	*-263.93*	
		For >40, Deduct	*-437.70*	
26 56 13 00-0127	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	11,736.75	871.16
		For >10 To 20, Deduct	*-293.42*	
		For >20 To 40, Deduct	*-586.84*	
		For >40, Deduct	*-923.81*	
26 56 13 00-0128		**Round Tapered, Aluminum Roadway Light Poles With Four Upsweep Style Arms** *(26 56 13 00-0092)*		
26 56 13 00-0129	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	3,525.67	627.23
		For >10 To 20, Deduct	*-88.14*	
		For >20 To 40, Deduct	*-176.28*	
		For >40, Deduct	*-295.79*	
26 56 13 00-0130	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	3,649.88	627.23
		For >10 To 20, Deduct	*-91.25*	
		For >20 To 40, Deduct	*-182.49*	
		For >40, Deduct	*-305.10*	
26 56 13 00-0131	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	4,514.34	766.62
		For >10 To 20, Deduct	*-112.86*	
		For >20 To 40, Deduct	*-225.72*	
		For >40, Deduct	*-376.91*	
26 56 13 00-0132	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	4,883.68	818.89
		For >10 To 20, Deduct	*-122.09*	
		For >20 To 40, Deduct	*-244.18*	
		For >40, Deduct	*-407.22*	
26 56 13 00-0133	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,087.71	836.31
		For >10 To 20, Deduct	*-127.19*	
		For >20 To 40, Deduct	*-254.39*	
		For >40, Deduct	*-423.39*	
26 56 13 00-0134	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	5,429.56	888.58
		For >10 To 20, Deduct	*-135.74*	
		For >20 To 40, Deduct	*-271.48*	
		For >40, Deduct	*-451.65*	
26 56 13 00-0135	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,354.32	871.16
		For >10 To 20, Deduct	*-133.86*	
		For >20 To 40, Deduct	*-267.72*	
		For >40, Deduct	*-445.13*	
26 56 13 00-0136	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	6,066.96	923.42
		For >10 To 20, Deduct	*-151.67*	
		For >20 To 40, Deduct	*-303.35*	
		For >40, Deduct	*-501.19*	
26 56 13 00-0137	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	6,699.05	975.70
		For >10 To 20, Deduct	*-167.48*	
		For >20 To 40, Deduct	*-334.95*	
		For >40, Deduct	*-551.21*	
26 56 13 00-0138		**Round Tapered, Aluminum Roadway Light Poles With Truss Style Arms** *(26 56 13 00-0091)*		
26 56 13 00-0139		**Round Tapered, Aluminum Roadway Light Poles With Single Truss Style Arm** *(26 56 13 00-0138)*		
26 56 13 00-0140	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base	3,712.43	557.54
		For >10 To 20, Deduct	*-92.81*	
		For >20 To 40, Deduct	*-185.62*	
		For >40, Deduct	*-306.31*	
26 56 13 00-0141	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	3,740.09	557.54
		For >10 To 20, Deduct	*-93.50*	
		For >20 To 40, Deduct	*-187.00*	
		For >40, Deduct	*-308.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0142	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	3,810.77	557.54
		For >10 To 20, Deduct	*-95.27*	
		For >20 To 40, Deduct	*-190.54*	
		For >40, Deduct	*-313.68*	
26 56 13 00-0143	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	3,916.82	557.54
		For >10 To 20, Deduct	*-97.92*	
		For >20 To 40, Deduct	*-195.84*	
		For >40, Deduct	*-321.64*	
26 56 13 00-0144	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base	4,179.74	627.23
		For >10 To 20, Deduct	*-104.49*	
		For >20 To 40, Deduct	*-208.99*	
		For >40, Deduct	*-344.84*	
26 56 13 00-0145	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	4,242.10	627.23
		For >10 To 20, Deduct	*-106.05*	
		For >20 To 40, Deduct	*-212.11*	
		For >40, Deduct	*-349.52*	
26 56 13 00-0146	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	4,308.62	627.23
		For >10 To 20, Deduct	*-107.72*	
		For >20 To 40, Deduct	*-215.43*	
		For >40, Deduct	*-354.51*	
26 56 13 00-0147	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	4,709.85	627.23
		For >10 To 20, Deduct	*-117.75*	
		For >20 To 40, Deduct	*-235.49*	
		For >40, Deduct	*-384.60*	
26 56 13 00-0148	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base	4,534.77	662.07
		For >10 To 20, Deduct	*-113.37*	
		For >20 To 40, Deduct	*-226.74*	
		For >40, Deduct	*-373.21*	
26 56 13 00-0149	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	5,049.61	662.07
		For >10 To 20, Deduct	*-126.24*	
		For >20 To 40, Deduct	*-252.48*	
		For >40, Deduct	*-411.82*	
26 56 13 00-0150	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	5,099.75	662.07
		For >10 To 20, Deduct	*-127.49*	
		For >20 To 40, Deduct	*-254.99*	
		For >40, Deduct	*-415.59*	
26 56 13 00-0151	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	5,418.09	662.07
		For >10 To 20, Deduct	*-135.45*	
		For >20 To 40, Deduct	*-270.90*	
		For >40, Deduct	*-439.46*	
26 56 13 00-0152	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	5,708.43	662.07
		For >10 To 20, Deduct	*-142.71*	
		For >20 To 40, Deduct	*-285.42*	
		For >40, Deduct	*-461.24*	

26 56 13 00-0153 Round Tapered, Aluminum Roadway Light Poles With Two Truss Style Arms *(26 56 13 00-0138)*

26 56 13 00-0154	EA	25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	4,808.94	696.93
		For >10 To 20, Deduct	*-120.22*	
		For >20 To 40, Deduct	*-240.45*	
		For >40, Deduct	*-395.52*	
26 56 13 00-0155	EA	25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	4,949.30	731.77
		For >10 To 20, Deduct	*-123.73*	
		For >20 To 40, Deduct	*-247.47*	
		For >40, Deduct	*-407.79*	
26 56 13 00-0156	EA	25' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	5,064.47	766.62
		For >10 To 20, Deduct	*-126.61*	
		For >20 To 40, Deduct	*-253.22*	
		For >40, Deduct	*-418.17*	
26 56 13 00-0157	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	5,185.63	766.62
		For >10 To 20, Deduct	*-129.64*	
		For >20 To 40, Deduct	*-259.28*	
		For >40, Deduct	*-427.25*	
26 56 13 00-0158	EA	30' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	5,623.73	801.46
		For >10 To 20, Deduct	*-140.59*	
		For >20 To 40, Deduct	*-281.19*	
		For >40, Deduct	*-461.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0159	EA	30' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	6,420.28	836.31
		For >10 To 20, Deduct	*-160.51*	
		For >20 To 40, Deduct	*-321.01*	
		For >40, Deduct	*-523.34*	
26 56 13 00-0160	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	6,206.69	801.46
		For >10 To 20, Deduct	*-155.17*	
		For >20 To 40, Deduct	*-310.33*	
		For >40, Deduct	*-505.58*	
26 56 13 00-0161	EA	35' High, 10" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	6,335.61	836.31
		For >10 To 20, Deduct	*-158.39*	
		For >20 To 40, Deduct	*-316.78*	
		For >40, Deduct	*-516.99*	
26 56 13 00-0162	EA	35' High, 10" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	7,648.27	871.16
		For >10 To 20, Deduct	*-191.21*	
		For >20 To 40, Deduct	*-382.41*	
		For >40, Deduct	*-617.18*	

26 56 13 00-0163 Round Tapered, Aluminum Roadway Light Poles With Davit Style Arm *(26 56 13 00-0091)*

26 56 13 00-0164 Round Tapered, Aluminum Roadway Light Poles With Single Davit Style Arm *(26 56 13 00-0163)*

26 56 13 00-0165	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	3,029.89	418.16
		For >10 To 20, Deduct	*-75.75*	
		For >20 To 40, Deduct	*-151.49*	
		For >40, Deduct	*-248.15*	
26 56 13 00-0166	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	3,108.03	418.16
		For >10 To 20, Deduct	*-77.70*	
		For >20 To 40, Deduct	*-155.40*	
		For >40, Deduct	*-254.01*	
26 56 13 00-0167	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	3,186.34	418.16
		For >10 To 20, Deduct	*-79.66*	
		For >20 To 40, Deduct	*-159.32*	
		For >40, Deduct	*-259.88*	
26 56 13 00-0168	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	3,628.18	557.54
		For >10 To 20, Deduct	*-90.70*	
		For >20 To 40, Deduct	*-181.41*	
		For >40, Deduct	*-299.99*	
26 56 13 00-0169	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	3,687.74	557.54
		For >10 To 20, Deduct	*-92.19*	
		For >20 To 40, Deduct	*-184.39*	
		For >40, Deduct	*-304.46*	
26 56 13 00-0170	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	3,752.82	557.54
		For >10 To 20, Deduct	*-93.82*	
		For >20 To 40, Deduct	*-187.64*	
		For >40, Deduct	*-309.34*	
26 56 13 00-0171	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	4,094.05	627.23
		For >10 To 20, Deduct	*-102.35*	
		For >20 To 40, Deduct	*-204.70*	
		For >40, Deduct	*-338.42*	
26 56 13 00-0172	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	4,174.90	627.23
		For >10 To 20, Deduct	*-104.37*	
		For >20 To 40, Deduct	*-208.75*	
		For >40, Deduct	*-344.48*	
26 56 13 00-0173	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	4,187.04	627.23
		For >10 To 20, Deduct	*-104.68*	
		For >20 To 40, Deduct	*-209.35*	
		For >40, Deduct	*-345.39*	
26 56 13 00-0174	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	4,451.45	662.07
		For >10 To 20, Deduct	*-111.29*	
		For >20 To 40, Deduct	*-222.57*	
		For >40, Deduct	*-366.96*	
26 56 13 00-0175	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	4,486.92	662.07
		For >10 To 20, Deduct	*-112.17*	
		For >20 To 40, Deduct	*-224.35*	
		For >40, Deduct	*-369.62*	
26 56 13 00-0176	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	4,570.07	662.07
		For >10 To 20, Deduct	*-114.25*	
		For >20 To 40, Deduct	*-228.50*	
		For >40, Deduct	*-375.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0177		**Area Light Poles** *(26 56 13 00-0001)* Note: Excludes lighting fixtures.		
26 56 13 00-0178		**Steel Area Light Poles** *(26 56 13 00-0177)* Note: Includes powdercoat finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.		
26 56 13 00-0179		**Round Straight, Steel Area Light Poles** *(26 56 13 00-0178)*		
26 56 13 00-0180		**Round Straight, Steel Area Light Poles, Anchor Base** *(26 56 13 00-0179)*		
26 56 13 00-0181	EA	10' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,422.85	243.93
		For Galvanized Finish, Add	*28.05*	
		For >10 To 20, Deduct	*-49.60*	
		For >20 To 40, Deduct	*-89.84*	
		For >40, Deduct	*-189.04*	
26 56 13 00-0182	EA	12' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,544.35	278.77
		For Galvanized Finish, Add	*29.60*	
		For >10 To 20, Deduct	*-53.41*	
		For >20 To 40, Deduct	*-96.95*	
		For >40, Deduct	*-203.78*	
26 56 13 00-0183	EA	14' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,725.42	313.62
		For Galvanized Finish, Add	*32.95*	
		For >10 To 20, Deduct	*-59.61*	
		For >20 To 40, Deduct	*-108.23*	
		For >40, Deduct	*-227.45*	
26 56 13 00-0184	EA	16' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,911.67	348.46
		For Galvanized Finish, Add	*36.44*	
		For >10 To 20, Deduct	*-66.01*	
		For >20 To 40, Deduct	*-119.88*	
		For >40, Deduct	*-251.90*	
26 56 13 00-0185	EA	18' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,033.16	383.31
		For Galvanized Finish, Add	*38.00*	
		For >10 To 20, Deduct	*-69.83*	
		For >20 To 40, Deduct	*-126.99*	
		For >40, Deduct	*-266.64*	
26 56 13 00-0186	EA	20' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,141.70	418.16
		For Galvanized Finish, Add	*39.16*	
		For >10 To 20, Deduct	*-73.12*	
		For >20 To 40, Deduct	*-133.19*	
		For >40, Deduct	*-279.44*	
26 56 13 00-0187	EA	10' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,490.19	243.93
		For Galvanized Finish, Add	*30.07*	
		For >10 To 20, Deduct	*-52.29*	
		For >20 To 40, Deduct	*-94.56*	
		For >40, Deduct	*-199.14*	
26 56 13 00-0188	EA	12' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,614.28	278.77
		For Galvanized Finish, Add	*31.70*	
		For >10 To 20, Deduct	*-56.21*	
		For >20 To 40, Deduct	*-101.85*	
		For >40, Deduct	*-214.27*	
26 56 13 00-0189	EA	14' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,865.28	313.62
		For Galvanized Finish, Add	*37.14*	
		For >10 To 20, Deduct	*-65.20*	
		For >20 To 40, Deduct	*-118.03*	
		For >40, Deduct	*-248.43*	
26 56 13 00-0190	EA	16' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,002.32	348.46
		For Galvanized Finish, Add	*39.16*	
		For >10 To 20, Deduct	*-69.64*	
		For >20 To 40, Deduct	*-126.22*	
		For >40, Deduct	*-265.50*	
26 56 13 00-0191	EA	18' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,131.58	383.31
		For Galvanized Finish, Add	*40.95*	
		For >10 To 20, Deduct	*-73.76*	
		For >20 To 40, Deduct	*-133.88*	
		For >40, Deduct	*-281.41*	
26 56 13 00-0192	EA	20' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,234.94	418.16
		For Galvanized Finish, Add	*41.96*	
		For >10 To 20, Deduct	*-76.85*	
		For >20 To 40, Deduct	*-139.72*	
		For >40, Deduct	*-293.43*	
26 56 13 00-0193	EA	25' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,609.54	557.54
		For Galvanized Finish, Add	*44.83*	
		For >10 To 20, Deduct	*-87.66*	
		For >20 To 40, Deduct	*-160.37*	
		For >40, Deduct	*-335.68*	
26 56 13 00-0194	EA	10' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,490.19	243.93
		For Galvanized Finish, Add	*30.07*	
		For >10 To 20, Deduct	*-52.29*	
		For >20 To 40, Deduct	*-94.56*	
		For >40, Deduct	*-199.14*	
26 56 13 00-0195	EA	12' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,622.05	278.77
		For Galvanized Finish, Add	*31.94*	
		For >10 To 20, Deduct	*-56.52*	
		For >20 To 40, Deduct	*-102.39*	
		For >40, Deduct	*-215.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0196	EA	14' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,906.72	313.62
		For Galvanized Finish, Add	*38.38*	
		For >10 To 20, Deduct	*-66.86*	
		For >20 To 40, Deduct	*-120.93*	
		For >40, Deduct	*-254.65*	
26 56 13 00-0197	EA	16' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,010.09	348.46
		For Galvanized Finish, Add	*39.39*	
		For >10 To 20, Deduct	*-69.95*	
		For >20 To 40, Deduct	*-126.77*	
		For >40, Deduct	*-266.67*	
26 56 13 00-0198	EA	18' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,131.58	383.31
		For Galvanized Finish, Add	*40.95*	
		For >10 To 20, Deduct	*-73.76*	
		For >20 To 40, Deduct	*-133.88*	
		For >40, Deduct	*-281.41*	
26 56 13 00-0199	EA	20' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,234.94	418.16
		For Galvanized Finish, Add	*41.96*	
		For >10 To 20, Deduct	*-76.85*	
		For >20 To 40, Deduct	*-139.72*	
		For >40, Deduct	*-293.43*	
26 56 13 00-0200	EA	25' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,682.07	557.54
		For Galvanized Finish, Add	*47.01*	
		For >10 To 20, Deduct	*-90.56*	
		For >20 To 40, Deduct	*-165.44*	
		For >40, Deduct	*-346.56*	
26 56 13 00-0201	EA	30' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,956.13	627.23
		For Galvanized Finish, Add	*51.05*	
		For >10 To 20, Deduct	*-99.43*	
		For >20 To 40, Deduct	*-181.84*	
		For >40, Deduct	*-380.70*	
26 56 13 00-0202	EA	20' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,400.71	418.16
		For Galvanized Finish, Add	*46.93*	
		For >10 To 20, Deduct	*-83.48*	
		For >20 To 40, Deduct	*-151.32*	
		For >40, Deduct	*-318.29*	
26 56 13 00-0203	EA	25' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,715.74	557.54
		For Galvanized Finish, Add	*48.02*	
		For >10 To 20, Deduct	*-91.90*	
		For >20 To 40, Deduct	*-167.80*	
		For >40, Deduct	*-351.61*	
26 56 13 00-0204	EA	30' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	3,020.88	627.23
		For Galvanized Finish, Add	*52.99*	
		For >10 To 20, Deduct	*-102.02*	
		For >20 To 40, Deduct	*-186.37*	
		For >40, Deduct	*-390.41*	

26 56 13 00-0205 Round Tapered, Steel Area Light Poles *(26 56 13 00-0178)*

26 56 13 00-0206 Round Tapered, Steel Area Light Poles, Anchor Base *(26 56 13 00-0205)*

26 56 13 00-0207	EA	20' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,986.06	418.16
		For Galvanized Finish, Add	*64.49*	
		For >10 To 20, Deduct	*-106.90*	
		For >20 To 40, Deduct	*-192.30*	
		For >40, Deduct	*-406.09*	
26 56 13 00-0208	EA	20' High, 6.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,066.35	418.16
		For Galvanized Finish, Add	*66.90*	
		For >10 To 20, Deduct	*-110.11*	
		For >20 To 40, Deduct	*-197.92*	
		For >40, Deduct	*-418.14*	
26 56 13 00-0209	EA	25' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,521.25	557.54
		For Galvanized Finish, Add	*72.19*	
		For >10 To 20, Deduct	*-124.12*	
		For >20 To 40, Deduct	*-224.19*	
		For >40, Deduct	*-472.43*	
26 56 13 00-0210	EA	25' High, 7.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,687.01	557.54
		For Galvanized Finish, Add	*77.16*	
		For >10 To 20, Deduct	*-130.75*	
		For >20 To 40, Deduct	*-235.79*	
		For >40, Deduct	*-497.30*	
26 56 13 00-0211	EA	30' High, 6.60" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,919.63	627.23
		For Galvanized Finish, Add	*79.96*	
		For >10 To 20, Deduct	*-137.97*	
		For >20 To 40, Deduct	*-249.28*	
		For >40, Deduct	*-525.22*	
26 56 13 00-0212	EA	30' High, 8.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	4,196.77	627.23
		For Galvanized Finish, Add	*88.27*	
		For >10 To 20, Deduct	*-149.05*	
		For >20 To 40, Deduct	*-268.68*	
		For >40, Deduct	*-566.79*	
26 56 13 00-0213	EA	35' High, 7.30" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	4,323.45	662.07
		For Galvanized Finish, Add	*89.98*	
		For >10 To 20, Deduct	*-153.08*	
		For >20 To 40, Deduct	*-276.16*	
		For >40, Deduct	*-582.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0214	EA	35' High, 8.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	4,494.39	662.07
		For Galvanized Finish, Add	*95.11*	
		For >10 To 20, Deduct	*-159.91*	
		For >20 To 40, Deduct	*-288.12*	
		For >40, Deduct	*-607.95*	
26 56 13 00-0215	EA	35' High, 9.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	4,903.62	662.07
		For Galvanized Finish, Add	*107.38*	
		For >10 To 20, Deduct	*-176.28*	
		For >20 To 40, Deduct	*-316.77*	
		For >40, Deduct	*-669.34*	
26 56 13 00-0216	EA	39' High, 7.82" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	4,942.23	696.93
		For Galvanized Finish, Add	*106.45*	
		For >10 To 20, Deduct	*-176.78*	
		For >20 To 40, Deduct	*-318.08*	
		For >40, Deduct	*-671.64*	
26 56 13 00-0217	EA	39' High, 9.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	5,014.75	696.93
		For Galvanized Finish, Add	*108.63*	
		For >10 To 20, Deduct	*-179.68*	
		For >20 To 40, Deduct	*-323.16*	
		For >40, Deduct	*-682.52*	
26 56 13 00-0218	EA	45' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	6,828.95	906.00
		For Galvanized Finish, Add	*150.51*	
		For >10 To 20, Deduct	*-245.98*	
		For >20 To 40, Deduct	*-441.79*	
		For >40, Deduct	*-933.74*	
26 56 13 00-0219	EA	50' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	7,092.18	1,045.39
		For Galvanized Finish, Add	*150.04*	
		For >10 To 20, Deduct	*-252.33*	
		For >20 To 40, Deduct	*-454.64*	
		For >40, Deduct	*-959.29*	
26 56 13 00-0220	EA	25' High, 7.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	4,811.10	557.54
		For Galvanized Finish, Add	*110.88*	
		For >10 To 20, Deduct	*-175.72*	
		For >20 To 40, Deduct	*-314.48*	
		For >40, Deduct	*-665.91*	
26 56 13 00-0221	EA	30' High, 8.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	5,463.31	627.23
		For Galvanized Finish, Add	*126.27*	
		For >10 To 20, Deduct	*-199.72*	
		For >20 To 40, Deduct	*-357.34*	
		For >40, Deduct	*-756.77*	
26 56 13 00-0222	EA	39' High, 9.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	6,338.27	696.93
		For Galvanized Finish, Add	*148.33*	
		For >10 To 20, Deduct	*-232.62*	
		For >20 To 40, Deduct	*-415.80*	
		For >40, Deduct	*-881.05*	
26 56 13 00-0223	EA	45' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	7,637.04	906.00
		For Galvanized Finish, Add	*174.75*	
		For >10 To 20, Deduct	*-278.30*	
		For >20 To 40, Deduct	*-498.35*	
		For >40, Deduct	*-1,054.96*	
26 56 13 00-0224	EA	50' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	8,915.58	1,045.39
		For Galvanized Finish, Add	*204.74*	
		For >10 To 20, Deduct	*-325.26*	
		For >20 To 40, Deduct	*-582.28*	
		For >40, Deduct	*-1,232.80*	
26 56 13 00-0225	EA	50' High, 11.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	9,969.73	1,045.39
		For Galvanized Finish, Add	*236.37*	
		For >10 To 20, Deduct	*-367.43*	
		For >20 To 40, Deduct	*-656.07*	
		For >40, Deduct	*-1,390.92*	
26 56 13 00-0226	EA	50' High, 13.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	13,492.21	1,045.39
		For Galvanized Finish, Add	*342.04*	
		For >10 To 20, Deduct	*-508.33*	
		For >20 To 40, Deduct	*-902.64*	
		For >40, Deduct	*-1,919.29*	
26 56 13 00-0227	EA	50' High, 13.00" Base OD, 3 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	15,201.65	1,045.39
		For Galvanized Finish, Add	*393.33*	
		For >10 To 20, Deduct	*-576.70*	
		For >20 To 40, Deduct	*-1,022.30*	
		For >40, Deduct	*-2,175.71*	

26 56 13 00-0228 Square Straight, Steel Area Light Poles *(26 56 13 00-0178)*

26 56 13 00-0229 Square Straight, Steel Area Light Poles, Anchor Base *(26 56 13 00-0228)*

26 56 13 00-0230	EA	10' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,402.13	243.93
		For Galvanized Finish, Add	*27.43*	
		For >10 To 20, Deduct	*-48.77*	
		For >20 To 40, Deduct	*-88.39*	
		For >40, Deduct	*-185.93*	
26 56 13 00-0231	EA	12' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,471.83	278.77
		For Galvanized Finish, Add	*27.43*	
		For >10 To 20, Deduct	*-50.51*	
		For >20 To 40, Deduct	*-91.88*	
		For >40, Deduct	*-192.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0232	EA	14' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,585.55	313.62
		For Galvanized Finish, Add	*28.75*	
		For >10 To 20, Deduct	*-54.01*	
		For >20 To 40, Deduct	*-98.44*	
		For >40, Deduct	*-206.47*	
26 56 13 00-0233	EA	15' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,682.55	331.04
		For Galvanized Finish, Add	*30.61*	
		For >10 To 20, Deduct	*-57.37*	
		For >20 To 40, Deduct	*-104.54*	
		For >40, Deduct	*-219.28*	
26 56 13 00-0234	EA	16' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,717.41	348.46
		For Galvanized Finish, Add	*30.61*	
		For >10 To 20, Deduct	*-58.24*	
		For >20 To 40, Deduct	*-106.28*	
		For >40, Deduct	*-222.77*	
26 56 13 00-0235	EA	18' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,815.59	383.31
		For Galvanized Finish, Add	*31.47*	
		For >10 To 20, Deduct	*-61.12*	
		For >20 To 40, Deduct	*-111.76*	
		For >40, Deduct	*-234.01*	
26 56 13 00-0236	EA	20' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,908.59	418.16
		For Galvanized Finish, Add	*32.17*	
		For >10 To 20, Deduct	*-63.80*	
		For >20 To 40, Deduct	*-116.88*	
		For >40, Deduct	*-244.47*	
26 56 13 00-0237	EA	25' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,342.77	557.54
		For Galvanized Finish, Add	*36.83*	
		For >10 To 20, Deduct	*-76.98*	
		For >20 To 40, Deduct	*-141.69*	
		For >40, Deduct	*-295.66*	
26 56 13 00-0238	EA	20' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,258.25	418.16
		For Galvanized Finish, Add	*42.66*	
		For >10 To 20, Deduct	*-77.79*	
		For >20 To 40, Deduct	*-141.35*	
		For >40, Deduct	*-296.92*	
26 56 13 00-0239	EA	25' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,824.52	557.54
		For Galvanized Finish, Add	*51.28*	
		For >10 To 20, Deduct	*-96.25*	
		For >20 To 40, Deduct	*-175.41*	
		For >40, Deduct	*-367.92*	
26 56 13 00-0240	EA	30' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	3,246.22	627.23
		For Galvanized Finish, Add	*59.75*	
		For >10 To 20, Deduct	*-111.03*	
		For >20 To 40, Deduct	*-202.15*	
		For >40, Deduct	*-424.21*	
26 56 13 00-0241	EA	20' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,162.42	418.16
		For Galvanized Finish, Add	*39.78*	
		For >10 To 20, Deduct	*-73.95*	
		For >20 To 40, Deduct	*-134.64*	
		For >40, Deduct	*-282.55*	
26 56 13 00-0242	EA	25' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,638.04	557.54
		For Galvanized Finish, Add	*45.69*	
		For >10 To 20, Deduct	*-88.80*	
		For >20 To 40, Deduct	*-162.36*	
		For >40, Deduct	*-339.95*	
26 56 13 00-0243	EA	30' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	3,085.63	627.23
		For Galvanized Finish, Add	*54.94*	
		For >10 To 20, Deduct	*-104.61*	
		For >20 To 40, Deduct	*-190.90*	
		For >40, Deduct	*-400.12*	
26 56 13 00-0244	EA	20' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,491.36	418.16
		For Galvanized Finish, Add	*49.65*	
		For >10 To 20, Deduct	*-87.11*	
		For >20 To 40, Deduct	*-157.67*	
		For >40, Deduct	*-331.89*	
26 56 13 00-0245	EA	25' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	3,057.62	557.54
		For Galvanized Finish, Add	*58.28*	
		For >10 To 20, Deduct	*-105.58*	
		For >20 To 40, Deduct	*-191.73*	
		For >40, Deduct	*-402.89*	
26 56 13 00-0246	EA	30' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	3,466.37	627.23
		For Galvanized Finish, Add	*66.36*	
		For >10 To 20, Deduct	*-119.84*	
		For >20 To 40, Deduct	*-217.56*	
		For >40, Deduct	*-457.23*	
26 56 13 00-0247	EA	35' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	3,857.24	662.07
		For Galvanized Finish, Add	*75.99*	
		For >10 To 20, Deduct	*-134.43*	
		For >20 To 40, Deduct	*-243.52*	
		For >40, Deduct	*-512.38*	
26 56 13 00-0248	EA	30' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	3,976.61	627.23
		For Galvanized Finish, Add	*81.66*	
		For >10 To 20, Deduct	*-140.25*	
		For >20 To 40, Deduct	*-253.27*	
		For >40, Deduct	*-533.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0249	EA	35' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	4,370.07	662.07
		For Galvanized Finish, Add	*91.38*	
		For >10 To 20, Deduct	*-154.94*	
		For >20 To 40, Deduct	*-279.42*	
		For >40, Deduct	*-589.30*	
26 56 13 00-0250	EA	40' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	4,623.65	696.93
		For Galvanized Finish, Add	*96.89*	
		For >10 To 20, Deduct	*-164.04*	
		For >20 To 40, Deduct	*-295.78*	
		For >40, Deduct	*-623.86*	

26 56 13 00-0251 Hinged, Square Straight, Steel Area Light Poles *(26 56 13 00-0178)*

26 56 13 00-0252 Hinged, Square Straight, Steel Area Light Poles, Anchor Base *(26 56 13 00-0251)*

26 56 13 00-0253	EA	20' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,131.17	418.16
		For Galvanized Finish, Add	*128.85*	
		For >10 To 20, Deduct	*-192.70*	
		For >20 To 40, Deduct	*-342.46*	
		For >40, Deduct	*-727.86*	
26 56 13 00-0254	EA	25' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,701.96	557.54
		For Galvanized Finish, Add	*137.61*	
		For >10 To 20, Deduct	*-211.35*	
		For >20 To 40, Deduct	*-376.84*	
		For >40, Deduct	*-799.54*	
26 56 13 00-0255	EA	30' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	8,023.21	627.23
		For Galvanized Finish, Add	*203.06*	
		For >10 To 20, Deduct	*-302.11*	
		For >20 To 40, Deduct	*-536.54*	
		For >40, Deduct	*-1,140.76*	
26 56 13 00-0256	EA	20' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,235.86	418.16
		For Galvanized Finish, Add	*131.99*	
		For >10 To 20, Deduct	*-196.89*	
		For >20 To 40, Deduct	*-349.78*	
		For >40, Deduct	*-743.56*	
26 56 13 00-0257	EA	25' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	6,310.79	557.54
		For Galvanized Finish, Add	*155.87*	
		For >10 To 20, Deduct	*-235.71*	
		For >20 To 40, Deduct	*-419.45*	
		For >40, Deduct	*-890.86*	
26 56 13 00-0258	EA	30' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	8,929.56	627.23
		For Galvanized Finish, Add	*230.25*	
		For >10 To 20, Deduct	*-338.37*	
		For >20 To 40, Deduct	*-599.98*	
		For >40, Deduct	*-1,276.71*	
26 56 13 00-0259	EA	35' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	10,263.75	662.07
		For Galvanized Finish, Add	*268.19*	
		For >10 To 20, Deduct	*-390.69*	
		For >20 To 40, Deduct	*-691.98*	
		For >40, Deduct	*-1,473.35*	
26 56 13 00-0260	EA	39' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	12,088.30	696.93
		For Galvanized Finish, Add	*320.83*	
		For >10 To 20, Deduct	*-462.62*	
		For >20 To 40, Deduct	*-818.30*	
		For >40, Deduct	*-1,743.55*	
26 56 13 00-0261	EA	20' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,965.88	418.16
		For Galvanized Finish, Add	*123.89*	
		For >10 To 20, Deduct	*-186.09*	
		For >20 To 40, Deduct	*-330.89*	
		For >40, Deduct	*-703.07*	
26 56 13 00-0262	EA	25' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,437.49	557.54
		For Galvanized Finish, Add	*129.67*	
		For >10 To 20, Deduct	*-200.77*	
		For >20 To 40, Deduct	*-358.32*	
		For >40, Deduct	*-759.87*	
26 56 13 00-0263	EA	30' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	7,557.63	627.23
		For Galvanized Finish, Add	*189.10*	
		For >10 To 20, Deduct	*-283.49*	
		For >20 To 40, Deduct	*-503.94*	
		For >40, Deduct	*-1,070.92*	
26 56 13 00-0264	EA	20' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,155.97	418.16
		For Galvanized Finish, Add	*129.59*	
		For >10 To 20, Deduct	*-193.69*	
		For >20 To 40, Deduct	*-344.19*	
		For >40, Deduct	*-731.58*	
26 56 13 00-0265	EA	25' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	6,062.85	557.54
		For Galvanized Finish, Add	*148.43*	
		For >10 To 20, Deduct	*-225.79*	
		For >20 To 40, Deduct	*-402.10*	
		For >40, Deduct	*-853.67*	
26 56 13 00-0266	EA	30' High, 6.44" OD, 7 Gauge, Hinged Square Straight, Steel Area Light Pole, Anchor Base	8,585.20	627.23
		For Galvanized Finish, Add	*219.92*	
		For >10 To 20, Deduct	*-324.59*	
		For >20 To 40, Deduct	*-575.87*	
		For >40, Deduct	*-1,225.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0267	EA	20' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,447.98	418.16
		For Galvanized Finish, Add	*138.35*	
		For >10 To 20, Deduct	*-205.37*	
		For >20 To 40, Deduct	*-364.63*	
		For >40, Deduct	*-775.38*	
26 56 13 00-0268	EA	25' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	6,589.03	557.54
		For Galvanized Finish, Add	*164.22*	
		For >10 To 20, Deduct	*-246.84*	
		For >20 To 40, Deduct	*-438.93*	
		For >40, Deduct	*-932.60*	
26 56 13 00-0269	EA	30' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	9,205.05	627.23
		For Galvanized Finish, Add	*238.52*	
		For >10 To 20, Deduct	*-349.39*	
		For >20 To 40, Deduct	*-619.26*	
		For >40, Deduct	*-1,318.03*	
26 56 13 00-0270	EA	35' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	10,599.85	662.07
		For Galvanized Finish, Add	*278.27*	
		For >10 To 20, Deduct	*-404.13*	
		For >20 To 40, Deduct	*-715.51*	
		For >40, Deduct	*-1,523.77*	
26 56 13 00-0271	EA	39' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	12,267.37	696.93
		For Galvanized Finish, Add	*326.21*	
		For >10 To 20, Deduct	*-469.79*	
		For >20 To 40, Deduct	*-830.84*	
		For >40, Deduct	*-1,770.41*	

26 56 13 00-0272 Square Tapered, Steel Area Light Poles *(26 56 13 00-0178)*

26 56 13 00-0273 Square Tapered, Steel Area Light Poles, Anchor Base *(26 56 13 00-0272)*

26 56 13 00-0274	EA	20' High, 5.25" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	3,858.91	418.16
		For Galvanized Finish, Add	*90.68*	
		For >10 To 20, Deduct	*-141.81*	
		For >20 To 40, Deduct	*-253.40*	
		For >40, Deduct	*-537.02*	
26 56 13 00-0275	EA	25' High, 6.00" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	4,671.23	557.54
		For Galvanized Finish, Add	*106.68*	
		For >10 To 20, Deduct	*-170.12*	
		For >20 To 40, Deduct	*-304.68*	
		For >40, Deduct	*-644.93*	
26 56 13 00-0276	EA	30' High, 6.41" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	5,196.53	627.23
		For Galvanized Finish, Add	*118.26*	
		For >10 To 20, Deduct	*-189.04*	
		For >20 To 40, Deduct	*-338.67*	
		For >40, Deduct	*-716.76*	
26 56 13 00-0277	EA	35' High, 6.81" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	5,776.47	662.07
		For Galvanized Finish, Add	*133.57*	
		For >10 To 20, Deduct	*-211.20*	
		For >20 To 40, Deduct	*-377.87*	
		For >40, Deduct	*-800.26*	
26 56 13 00-0278	EA	39' High, 7.18" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	6,089.63	696.93
		For Galvanized Finish, Add	*140.87*	
		For >10 To 20, Deduct	*-222.68*	
		For >20 To 40, Deduct	*-398.40*	
		For >40, Deduct	*-843.75*	
26 56 13 00-0279	EA	20' High, 5.50" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	5,021.85	418.16
		For Galvanized Finish, Add	*125.57*	
		For >10 To 20, Deduct	*-188.33*	
		For >20 To 40, Deduct	*-334.80*	
		For >40, Deduct	*-711.46*	
26 56 13 00-0280	EA	25' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	5,582.93	557.54
		For Galvanized Finish, Add	*134.04*	
		For >10 To 20, Deduct	*-206.59*	
		For >20 To 40, Deduct	*-368.50*	
		For >40, Deduct	*-781.69*	
26 56 13 00-0281	EA	30' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	5,942.47	627.23
		For Galvanized Finish, Add	*140.64*	
		For >10 To 20, Deduct	*-218.88*	
		For >20 To 40, Deduct	*-390.88*	
		For >40, Deduct	*-828.65*	
26 56 13 00-0282	EA	30' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	6,626.24	627.23
		For Galvanized Finish, Add	*161.15*	
		For >10 To 20, Deduct	*-246.23*	
		For >20 To 40, Deduct	*-438.75*	
		For >40, Deduct	*-931.21*	
26 56 13 00-0283	EA	35' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	7,188.06	662.07
		For Galvanized Finish, Add	*175.92*	
		For >10 To 20, Deduct	*-267.66*	
		For >20 To 40, Deduct	*-476.68*	
		For >40, Deduct	*-1,012.00*	
26 56 13 00-0284	EA	35' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	8,035.01	662.07
		For Galvanized Finish, Add	*201.33*	
		For >10 To 20, Deduct	*-301.54*	
		For >20 To 40, Deduct	*-535.97*	
		For >40, Deduct	*-1,139.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0285	EA	39' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	7,296.60	696.93
		For Galvanized Finish, Add	*177.08*	
		For >10 To 20, Deduct	*-270.96*	
		For >20 To 40, Deduct	*-482.89*	
		For >40, Deduct	*-1,024.80*	
26 56 13 00-0286	EA	39' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	9,381.59	696.93
		For Galvanized Finish, Add	*239.63*	
		For >10 To 20, Deduct	*-354.36*	
		For >20 To 40, Deduct	*-628.83*	
		For >40, Deduct	*-1,337.55*	
26 56 13 00-0287	EA	45' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	8,592.78	906.00
		For Galvanized Finish, Add	*203.42*	
		For >10 To 20, Deduct	*-316.53*	
		For >20 To 40, Deduct	*-565.25*	
		For >40, Deduct	*-1,198.32*	
26 56 13 00-0288	EA	45' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	10,014.72	906.00
		For Galvanized Finish, Add	*246.08*	
		For >10 To 20, Deduct	*-373.41*	
		For >20 To 40, Deduct	*-664.79*	
		For >40, Deduct	*-1,411.61*	
26 56 13 00-0289	EA	50' High, 8.81" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	10,366.01	1,045.39
		For Galvanized Finish, Add	*248.26*	
		For >10 To 20, Deduct	*-383.28*	
		For >20 To 40, Deduct	*-683.81*	
		For >40, Deduct	*-1,450.36*	

26 56 13 00-0290 Factory Accessories For Steel Area Light Poles *(26 56 13 00-0178)*

26 56 13 00-0291	EA	1/2", 3/4" Or 1" Factory Threaded Pipe Coupling Or Nipple For Steel Area Light Poles	91.83
26 56 13 00-0292	EA	Extra Handhole For Steel Area Light Poles	136.57
26 56 13 00-0293	EA	Vibration Dampener For Steel Area Light Poles	138.92

26 56 13 00-0294 Aluminum Area Light Poles *(26 56 13 00-0177)*

Note: Includes satin brushed or painted finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.

26 56 13 00-0295 Round Straight, Aluminum Area Light Poles *(26 56 13 00-0294)*

26 56 13 00-0296 Round Straight, Aluminum Area Light Poles, Anchor Base *(26 56 13 00-0295)*

26 56 13 00-0297	EA	8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	797.31	209.07
		For Bronze Or Satin Anodized Finish, Add	*37.92*	
		For Black Anodized Finish, Add	*75.83*	
		For >10 To 20, Deduct	*-25.62*	
		For >20 To 40, Deduct	*-47.45*	
		For >40, Deduct	*-98.69*	
26 56 13 00-0298	EA	10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	886.43	243.93
		For Bronze Or Satin Anodized Finish, Add	*39.86*	
		For Black Anodized Finish, Add	*79.72*	
		For >10 To 20, Deduct	*-28.14*	
		For >20 To 40, Deduct	*-52.29*	
		For >40, Deduct	*-108.57*	
26 56 13 00-0299	EA	12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	980.44	278.77
		For Bronze Or Satin Anodized Finish, Add	*42.29*	
		For Black Anodized Finish, Add	*84.58*	
		For >10 To 20, Deduct	*-30.85*	
		For >20 To 40, Deduct	*-57.48*	
		For >40, Deduct	*-119.19*	
26 56 13 00-0300	EA	14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	1,075.41	313.62
		For Bronze Or Satin Anodized Finish, Add	*44.82*	
		For Black Anodized Finish, Add	*89.64*	
		For >10 To 20, Deduct	*-33.61*	
		For >20 To 40, Deduct	*-62.73*	
		For >40, Deduct	*-129.95*	
26 56 13 00-0301	EA	15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	1,126.77	331.04
		For Bronze Or Satin Anodized Finish, Add	*46.47*	
		For Black Anodized Finish, Add	*92.94*	
		For >10 To 20, Deduct	*-35.14*	
		For >20 To 40, Deduct	*-65.63*	
		For >40, Deduct	*-135.91*	
26 56 13 00-0302	EA	16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	1,177.19	348.46
		For Bronze Or Satin Anodized Finish, Add	*48.03*	
		For Black Anodized Finish, Add	*96.05*	
		For >10 To 20, Deduct	*-36.63*	
		For >20 To 40, Deduct	*-68.46*	
		For >40, Deduct	*-141.73*	
26 56 13 00-0303	EA	16' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,235.52	348.46
		For Bronze Or Satin Anodized Finish, Add	*53.86*	
		For Black Anodized Finish, Add	*107.72*	
		For >10 To 20, Deduct	*-38.97*	
		For >20 To 40, Deduct	*-72.55*	
		For >40, Deduct	*-150.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0304	EA	18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,342.15	383.31
		For Bronze Or Satin Anodized Finish, Add	*57.55*	
		For Black Anodized Finish, Add	*115.11*	
		For >10 To 20, Deduct	*-42.19*	
		For >20 To 40, Deduct	*-78.62*	
		For >40, Deduct	*-162.99*	
26 56 13 00-0305	EA	20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,442.95	418.16
		For Bronze Or Satin Anodized Finish, Add	*60.66*	
		For Black Anodized Finish, Add	*121.33*	
		For >10 To 20, Deduct	*-45.17*	
		For >20 To 40, Deduct	*-84.28*	
		For >40, Deduct	*-174.63*	
26 56 13 00-0306	EA	15' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,341.62	331.04
		For Bronze Or Satin Anodized Finish, Add	*67.96*	
		For Black Anodized Finish, Add	*135.91*	
		For >10 To 20, Deduct	*-43.73*	
		For >20 To 40, Deduct	*-80.67*	
		For >40, Deduct	*-168.14*	
26 56 13 00-0307	EA	20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,657.80	418.16
		For Bronze Or Satin Anodized Finish, Add	*82.15*	
		For Black Anodized Finish, Add	*164.30*	
		For >10 To 20, Deduct	*-53.77*	
		For >20 To 40, Deduct	*-99.32*	
		For >40, Deduct	*-206.85*	
26 56 13 00-0308	EA	20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,766.69	418.16
		For Bronze Or Satin Anodized Finish, Add	*93.04*	
		For Black Anodized Finish, Add	*186.08*	
		For >10 To 20, Deduct	*-58.12*	
		For >20 To 40, Deduct	*-106.94*	
		For >40, Deduct	*-223.19*	
26 56 13 00-0309	EA	25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	2,147.54	557.54
		For Bronze Or Satin Anodized Finish, Add	*103.25*	
		For Black Anodized Finish, Add	*206.49*	
		For >10 To 20, Deduct	*-69.18*	
		For >20 To 40, Deduct	*-128.03*	
		For >40, Deduct	*-266.38*	
26 56 13 00-0310	EA	30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	2,480.38	627.23
		For Bronze Or Satin Anodized Finish, Add	*122.59*	
		For Black Anodized Finish, Add	*245.18*	
		For >10 To 20, Deduct	*-80.40*	
		For >20 To 40, Deduct	*-148.54*	
		For >40, Deduct	*-309.33*	
26 56 13 00-0311	EA	20' High, 4" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	1,510.03	418.16
		For Bronze Or Satin Anodized Finish, Add	*67.37*	
		For Black Anodized Finish, Add	*134.74*	
		For >10 To 20, Deduct	*-47.86*	
		For >20 To 40, Deduct	*-88.98*	
		For >40, Deduct	*-184.69*	
26 56 13 00-0312	EA	20' High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	1,757.94	418.16
		For Bronze Or Satin Anodized Finish, Add	*92.16*	
		For Black Anodized Finish, Add	*184.33*	
		For >10 To 20, Deduct	*-57.77*	
		For >20 To 40, Deduct	*-106.33*	
		For >40, Deduct	*-221.88*	
26 56 13 00-0313	EA	25' High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	2,131.98	557.54
		For Bronze Or Satin Anodized Finish, Add	*101.69*	
		For Black Anodized Finish, Add	*203.38*	
		For >10 To 20, Deduct	*-68.55*	
		For >20 To 40, Deduct	*-126.94*	
		For >40, Deduct	*-264.04*	
26 56 13 00-0314	EA	25' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	2,272.95	557.54
		For Bronze Or Satin Anodized Finish, Add	*115.79*	
		For Black Anodized Finish, Add	*231.57*	
		For >10 To 20, Deduct	*-74.19*	
		For >20 To 40, Deduct	*-136.80*	
		For >40, Deduct	*-285.19*	
26 56 13 00-0315	EA	30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	2,639.82	627.23
		For Bronze Or Satin Anodized Finish, Add	*138.54*	
		For Black Anodized Finish, Add	*277.07*	
		For >10 To 20, Deduct	*-86.78*	
		For >20 To 40, Deduct	*-159.70*	
		For >40, Deduct	*-333.25*	

26 56 13 00-0316 Round Straight, Aluminum Area Light Poles, Hinged Anchor Base *(26 56 13 00-0295)*

26 56 13 00-0317	EA	8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	896.47	209.07
		For Bronze, Satin Or Black Anodized Finish, Add	*71.75*	
		For >10 To 20, Deduct	*-29.59*	
		For >20 To 40, Deduct	*-54.39*	
		For >40, Deduct	*-113.56*	
26 56 13 00-0318	EA	10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,005.04	243.93
		For Bronze, Satin Or Black Anodized Finish, Add	*77.58*	
		For >10 To 20, Deduct	*-32.88*	
		For >20 To 40, Deduct	*-60.60*	
		For >40, Deduct	*-126.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0319	EA	12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,109.74	278.77
		For Bronze, Satin Or Black Anodized Finish, Add	*82.83*	
		For >10 To 20, Deduct	*-36.03*	
		For >20 To 40, Deduct	*-66.53*	
		For >40, Deduct	*-138.58*	
26 56 13 00-0320	EA	14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,195.96	313.62
		For Bronze, Satin Or Black Anodized Finish, Add	*85.31*	
		For >10 To 20, Deduct	*-38.43*	
		For >20 To 40, Deduct	*-71.17*	
		For >40, Deduct	*-148.03*	
26 56 13 00-0321	EA	16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,293.85	348.46
		For Bronze, Satin Or Black Anodized Finish, Add	*89.54*	
		For >10 To 20, Deduct	*-41.30*	
		For >20 To 40, Deduct	*-76.63*	
		For >40, Deduct	*-159.23*	
26 56 13 00-0322	EA	10' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,025.46	243.93
		For Bronze, Satin Or Black Anodized Finish, Add	*80.64*	
		For >10 To 20, Deduct	*-33.70*	
		For >20 To 40, Deduct	*-62.03*	
		For >40, Deduct	*-129.43*	
26 56 13 00-0323	EA	12' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,128.21	278.77
		For Bronze, Satin Or Black Anodized Finish, Add	*85.60*	
		For >10 To 20, Deduct	*-36.77*	
		For >20 To 40, Deduct	*-67.82*	
		For >40, Deduct	*-141.35*	
26 56 13 00-0324	EA	14' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,233.87	313.62
		For Bronze, Satin Or Black Anodized Finish, Add	*91.00*	
		For >10 To 20, Deduct	*-39.95*	
		For >20 To 40, Deduct	*-73.83*	
		For >40, Deduct	*-153.72*	
26 56 13 00-0325	EA	16' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,338.57	348.46
		For Bronze, Satin Or Black Anodized Finish, Add	*96.25*	
		For >10 To 20, Deduct	*-43.09*	
		For >20 To 40, Deduct	*-79.76*	
		For >40, Deduct	*-165.94*	
26 56 13 00-0326	EA	18' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,448.12	383.31
		For Bronze, Satin Or Black Anodized Finish, Add	*102.23*	
		For >10 To 20, Deduct	*-46.43*	
		For >20 To 40, Deduct	*-86.04*	
		For >40, Deduct	*-178.89*	
26 56 13 00-0327	EA	20' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,551.83	418.16
		For Bronze, Satin Or Black Anodized Finish, Add	*107.33*	
		For >10 To 20, Deduct	*-49.53*	
		For >20 To 40, Deduct	*-91.90*	
		For >40, Deduct	*-190.96*	
26 56 13 00-0328	EA	12' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,166.12	278.77
		For Bronze, Satin Or Black Anodized Finish, Add	*91.29*	
		For >10 To 20, Deduct	*-38.28*	
		For >20 To 40, Deduct	*-70.48*	
		For >40, Deduct	*-147.04*	
26 56 13 00-0329	EA	14' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,278.59	313.62
		For Bronze, Satin Or Black Anodized Finish, Add	*97.70*	
		For >10 To 20, Deduct	*-41.74*	
		For >20 To 40, Deduct	*-76.96*	
		For >40, Deduct	*-160.43*	
26 56 13 00-0330	EA	16' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,390.09	348.46
		For Bronze, Satin Or Black Anodized Finish, Add	*103.97*	
		For >10 To 20, Deduct	*-45.15*	
		For >20 To 40, Deduct	*-83.37*	
		For >40, Deduct	*-173.67*	
26 56 13 00-0331	EA	18' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,503.53	383.31
		For Bronze, Satin Or Black Anodized Finish, Add	*110.54*	
		For >10 To 20, Deduct	*-48.64*	
		For >20 To 40, Deduct	*-89.91*	
		For >40, Deduct	*-187.20*	
26 56 13 00-0332	EA	16' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,444.54	348.46
		For Bronze, Satin Or Black Anodized Finish, Add	*112.14*	
		For >10 To 20, Deduct	*-47.33*	
		For >20 To 40, Deduct	*-87.18*	
		For >40, Deduct	*-181.83*	
26 56 13 00-0333	EA	20' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,679.19	418.16
		For Bronze, Satin Or Black Anodized Finish, Add	*126.43*	
		For >10 To 20, Deduct	*-54.62*	
		For >20 To 40, Deduct	*-100.82*	
		For >40, Deduct	*-210.06*	
26 56 13 00-0334	EA	12' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,202.10	278.77
		For Bronze, Satin Or Black Anodized Finish, Add	*96.68*	
		For >10 To 20, Deduct	*-39.72*	
		For >20 To 40, Deduct	*-73.00*	
		For >40, Deduct	*-152.44*	
26 56 13 00-0335	EA	14' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,325.26	313.62
		For Bronze, Satin Or Black Anodized Finish, Add	*104.70*	
		For >10 To 20, Deduct	*-43.60*	
		For >20 To 40, Deduct	*-80.22*	
		For >40, Deduct	*-167.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0336	EA	16' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,438.70	348.46
		For Bronze, Satin Or Black Anodized Finish, Add	*111.27*	
		For >10 To 20, Deduct	*-47.09*	
		For >20 To 40, Deduct	*-86.77*	
		For >40, Deduct	*-180.96*	
26 56 13 00-0337	EA	18' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,557.97	383.31
		For Bronze, Satin Or Black Anodized Finish, Add	*118.70*	
		For >10 To 20, Deduct	*-50.82*	
		For >20 To 40, Deduct	*-93.73*	
		For >40, Deduct	*-195.36*	
26 56 13 00-0338	EA	20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,674.33	418.16
		For Bronze, Satin Or Black Anodized Finish, Add	*125.70*	
		For >10 To 20, Deduct	*-54.43*	
		For >20 To 40, Deduct	*-100.48*	
		For >40, Deduct	*-209.33*	
26 56 13 00-0339	EA	16' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,509.67	348.46
		For Bronze, Satin Or Black Anodized Finish, Add	*121.91*	
		For >10 To 20, Deduct	*-49.93*	
		For >20 To 40, Deduct	*-91.74*	
		For >40, Deduct	*-191.60*	
26 56 13 00-0340	EA	18' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,637.69	383.31
		For Bronze, Satin Or Black Anodized Finish, Add	*130.66*	
		For >10 To 20, Deduct	*-54.01*	
		For >20 To 40, Deduct	*-99.31*	
		For >40, Deduct	*-207.32*	
26 56 13 00-0341	EA	20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,704.47	418.16
		For Bronze, Satin Or Black Anodized Finish, Add	*130.22*	
		For >10 To 20, Deduct	*-55.63*	
		For >20 To 40, Deduct	*-102.59*	
		For >40, Deduct	*-213.86*	

26 56 13 00-0342 Round Straight, Aluminum Area Light Poles, Direct Burial *(26 56 13 00-0295)*

Note: Includes rubberized undercoating on embedded portion.

26 56 13 00-0343	EA	10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	706.22	174.23
		For Bronze Or Satin Anodized Finish, Add	*35.78*	
		For Black Anodized Finish, Add	*71.55*	
		For >10 To 20, Deduct	*-23.02*	
		For >20 To 40, Deduct	*-42.47*	
		For >40, Deduct	*-88.51*	
26 56 13 00-0344	EA	12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	759.54	191.65
		For Bronze Or Satin Anodized Finish, Add	*37.62*	
		For Black Anodized Finish, Add	*75.25*	
		For >10 To 20, Deduct	*-24.63*	
		For >20 To 40, Deduct	*-45.50*	
		For >40, Deduct	*-94.77*	
26 56 13 00-0345	EA	14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	838.14	209.07
		For Bronze Or Satin Anodized Finish, Add	*42.00*	
		For Black Anodized Finish, Add	*84.00*	
		For >10 To 20, Deduct	*-27.25*	
		For >20 To 40, Deduct	*-50.31*	
		For >40, Deduct	*-104.81*	
26 56 13 00-0346	EA	15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	860.50	209.07
		For Bronze Or Satin Anodized Finish, Add	*44.23*	
		For Black Anodized Finish, Add	*88.47*	
		For >10 To 20, Deduct	*-28.15*	
		For >20 To 40, Deduct	*-51.87*	
		For >40, Deduct	*-108.17*	
26 56 13 00-0347	EA	16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	888.70	209.07
		For Bronze Or Satin Anodized Finish, Add	*47.05*	
		For Black Anodized Finish, Add	*94.11*	
		For >10 To 20, Deduct	*-29.28*	
		For >20 To 40, Deduct	*-53.85*	
		For >40, Deduct	*-112.40*	
26 56 13 00-0348	EA	18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,009.09	226.51
		For Bronze Or Satin Anodized Finish, Add	*55.61*	
		For Black Anodized Finish, Add	*111.22*	
		For >10 To 20, Deduct	*-33.57*	
		For >20 To 40, Deduct	*-61.58*	
		For >40, Deduct	*-128.71*	
26 56 13 00-0349	EA	20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,079.90	243.93
		For Bronze Or Satin Anodized Finish, Add	*59.21*	
		For Black Anodized Finish, Add	*118.41*	
		For >10 To 20, Deduct	*-35.88*	
		For >20 To 40, Deduct	*-65.84*	
		For >40, Deduct	*-137.59*	
26 56 13 00-0350	EA	20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,230.59	243.93
		For Bronze Or Satin Anodized Finish, Add	*74.28*	
		For Black Anodized Finish, Add	*148.55*	
		For >10 To 20, Deduct	*-41.91*	
		For >20 To 40, Deduct	*-76.38*	
		For >40, Deduct	*-160.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0351	EA	25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,493.75	278.77
		For Bronze Or Satin Anodized Finish, Add	*93.62*	
		For Black Anodized Finish, Add	*187.24*	
		For >10 To 20, Deduct	*-51.39*	
		For >20 To 40, Deduct	*-93.41*	
		For >40, Deduct	*-196.19*	
26 56 13 00-0352	EA	30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,693.71	313.62
		For Bronze Or Satin Anodized Finish, Add	*106.65*	
		For Black Anodized Finish, Add	*213.30*	
		For >10 To 20, Deduct	*-58.34*	
		For >20 To 40, Deduct	*-106.02*	
		For >40, Deduct	*-222.70*	
26 56 13 00-0353	EA	30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Direct Burial	1,871.62	313.62
		For Bronze Or Satin Anodized Finish, Add	*124.44*	
		For Black Anodized Finish, Add	*248.88*	
		For >10 To 20, Deduct	*-65.46*	
		For >20 To 40, Deduct	*-118.47*	
		For >40, Deduct	*-249.38*	

26 56 13 00-0354 Round Tapered, Aluminum Area Light Poles *(26 56 13 00-0294)*

26 56 13 00-0355 Round Tapered, Aluminum Area Light Poles, Anchor Base *(26 56 13 00-0354)*

26 56 13 00-0356	EA	8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	693.29	209.07
		For Bronze Or Satin Anodized Finish, Add	*27.51*	
		For Black Anodized Finish, Add	*55.03*	
		For >10 To 20, Deduct	*-21.46*	
		For >20 To 40, Deduct	*-40.17*	
		For >40, Deduct	*-83.09*	
26 56 13 00-0357	EA	10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	785.33	243.93
		For Bronze Or Satin Anodized Finish, Add	*29.75*	
		For Black Anodized Finish, Add	*59.50*	
		For >10 To 20, Deduct	*-24.10*	
		For >20 To 40, Deduct	*-45.22*	
		For >40, Deduct	*-93.41*	
26 56 13 00-0358	EA	12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	877.39	278.77
		For Bronze Or Satin Anodized Finish, Add	*31.99*	
		For Black Anodized Finish, Add	*63.97*	
		For >10 To 20, Deduct	*-26.73*	
		For >20 To 40, Deduct	*-50.27*	
		For >40, Deduct	*-103.73*	
26 56 13 00-0359	EA	14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	978.19	313.62
		For Bronze Or Satin Anodized Finish, Add	*35.10*	
		For Black Anodized Finish, Add	*70.19*	
		For >10 To 20, Deduct	*-29.72*	
		For >20 To 40, Deduct	*-55.93*	
		For >40, Deduct	*-115.37*	
26 56 13 00-0360	EA	16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,078.02	348.46
		For Bronze Or Satin Anodized Finish, Add	*38.11*	
		For Black Anodized Finish, Add	*76.22*	
		For >10 To 20, Deduct	*-32.67*	
		For >20 To 40, Deduct	*-61.52*	
		For >40, Deduct	*-126.86*	
26 56 13 00-0361	EA	10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	810.60	243.93
		For Bronze Or Satin Anodized Finish, Add	*32.28*	
		For Black Anodized Finish, Add	*64.55*	
		For >10 To 20, Deduct	*-25.11*	
		For >20 To 40, Deduct	*-46.99*	
		For >40, Deduct	*-97.20*	
26 56 13 00-0362	EA	12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	917.25	278.77
		For Bronze Or Satin Anodized Finish, Add	*35.97*	
		For Black Anodized Finish, Add	*71.94*	
		For >10 To 20, Deduct	*-28.33*	
		For >20 To 40, Deduct	*-53.06*	
		For >40, Deduct	*-109.71*	
26 56 13 00-0363	EA	14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,020.96	313.62
		For Bronze Or Satin Anodized Finish, Add	*39.37*	
		For Black Anodized Finish, Add	*78.75*	
		For >10 To 20, Deduct	*-31.43*	
		For >20 To 40, Deduct	*-58.92*	
		For >40, Deduct	*-121.78*	
26 56 13 00-0364	EA	18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,221.60	383.31
		For Bronze Or Satin Anodized Finish, Add	*45.50*	
		For Black Anodized Finish, Add	*91.00*	
		For >10 To 20, Deduct	*-37.36*	
		For >20 To 40, Deduct	*-70.18*	
		For >40, Deduct	*-144.91*	
26 56 13 00-0365	EA	20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,315.59	418.16
		For Bronze Or Satin Anodized Finish, Add	*47.93*	
		For Black Anodized Finish, Add	*95.86*	
		For >10 To 20, Deduct	*-40.08*	
		For >20 To 40, Deduct	*-75.37*	
		For >40, Deduct	*-155.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0366	EA	12' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	953.22	278.77
		For Bronze Or Satin Anodized Finish, Add	*39.57*	
		For Black Anodized Finish, Add	*79.14*	
		For >10 To 20, Deduct	*-29.77*	
		For >20 To 40, Deduct	*-55.57*	
		For >40, Deduct	*-115.11*	
26 56 13 00-0367	EA	14' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,062.77	313.62
		For Bronze Or Satin Anodized Finish, Add	*43.55*	
		For Black Anodized Finish, Add	*87.11*	
		For >10 To 20, Deduct	*-33.10*	
		For >20 To 40, Deduct	*-61.85*	
		For >40, Deduct	*-128.05*	
26 56 13 00-0368	EA	16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,179.13	348.46
		For Bronze Or Satin Anodized Finish, Add	*48.22*	
		For Black Anodized Finish, Add	*96.44*	
		For >10 To 20, Deduct	*-36.71*	
		For >20 To 40, Deduct	*-68.60*	
		For >40, Deduct	*-142.02*	
26 56 13 00-0369	EA	18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,277.99	383.31
		For Bronze Or Satin Anodized Finish, Add	*51.14*	
		For Black Anodized Finish, Add	*102.27*	
		For >10 To 20, Deduct	*-39.62*	
		For >20 To 40, Deduct	*-74.13*	
		For >40, Deduct	*-153.37*	
26 56 13 00-0370	EA	20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,390.45	418.16
		For Bronze Or Satin Anodized Finish, Add	*55.41*	
		For Black Anodized Finish, Add	*110.83*	
		For >10 To 20, Deduct	*-43.07*	
		For >20 To 40, Deduct	*-80.61*	
		For >40, Deduct	*-166.75*	
26 56 13 00-0371	EA	16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,274.40	348.46
		For Bronze Or Satin Anodized Finish, Add	*57.75*	
		For Black Anodized Finish, Add	*115.49*	
		For >10 To 20, Deduct	*-40.52*	
		For >20 To 40, Deduct	*-75.27*	
		For >40, Deduct	*-156.31*	
26 56 13 00-0372	EA	18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,399.51	383.31
		For Bronze Or Satin Anodized Finish, Add	*63.29*	
		For Black Anodized Finish, Add	*126.58*	
		For >10 To 20, Deduct	*-44.48*	
		For >20 To 40, Deduct	*-82.63*	
		For >40, Deduct	*-171.60*	
26 56 13 00-0373	EA	20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,484.75	418.16
		For Bronze Or Satin Anodized Finish, Add	*64.84*	
		For Black Anodized Finish, Add	*129.69*	
		For >10 To 20, Deduct	*-46.85*	
		For >20 To 40, Deduct	*-87.21*	
		For >40, Deduct	*-180.90*	
26 56 13 00-0374	EA	23' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,710.67	487.84
		For Bronze Or Satin Anodized Finish, Add	*73.50*	
		For Black Anodized Finish, Add	*146.99*	
		For >10 To 20, Deduct	*-53.79*	
		For >20 To 40, Deduct	*-100.23*	
		For >40, Deduct	*-207.82*	
26 56 13 00-0375	EA	25' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,942.41	557.54
		For Bronze Or Satin Anodized Finish, Add	*82.73*	
		For Black Anodized Finish, Add	*165.47*	
		For >10 To 20, Deduct	*-60.97*	
		For >20 To 40, Deduct	*-113.67*	
		For >40, Deduct	*-235.61*	
26 56 13 00-0376	EA	18' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,494.78	383.31
		For Bronze Or Satin Anodized Finish, Add	*72.82*	
		For Black Anodized Finish, Add	*145.63*	
		For >10 To 20, Deduct	*-48.29*	
		For >20 To 40, Deduct	*-89.30*	
		For >40, Deduct	*-185.89*	
26 56 13 00-0377	EA	20' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,600.44	418.16
		For Bronze Or Satin Anodized Finish, Add	*76.41*	
		For Black Anodized Finish, Add	*152.83*	
		For >10 To 20, Deduct	*-51.47*	
		For >20 To 40, Deduct	*-95.30*	
		For >40, Deduct	*-198.25*	
26 56 13 00-0378	EA	23' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,802.05	487.84
		For Bronze Or Satin Anodized Finish, Add	*82.64*	
		For Black Anodized Finish, Add	*165.27*	
		For >10 To 20, Deduct	*-57.45*	
		For >20 To 40, Deduct	*-106.63*	
		For >40, Deduct	*-221.52*	
26 56 13 00-0379	EA	25' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,012.40	557.54
		For Bronze Or Satin Anodized Finish, Add	*89.73*	
		For Black Anodized Finish, Add	*179.46*	
		For >10 To 20, Deduct	*-63.77*	
		For >20 To 40, Deduct	*-118.57*	
		For >40, Deduct	*-246.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0380	EA	28' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,160.84	592.39
		For Bronze Or Satin Anodized Finish, Add	*97.61*	
		For Black Anodized Finish, Add	*195.21*	
		For >10 To 20, Deduct	*-68.66*	
		For >20 To 40, Deduct	*-127.56*	
		For >40, Deduct	*-264.89*	
26 56 13 00-0381	EA	30' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,311.22	627.23
		For Bronze Or Satin Anodized Finish, Add	*105.68*	
		For Black Anodized Finish, Add	*211.35*	
		For >10 To 20, Deduct	*-73.63*	
		For >20 To 40, Deduct	*-136.70*	
		For >40, Deduct	*-283.96*	
26 56 13 00-0382	EA	23' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,892.47	487.84
		For Bronze Or Satin Anodized Finish, Add	*91.68*	
		For Black Anodized Finish, Add	*183.35*	
		For >10 To 20, Deduct	*-61.06*	
		For >20 To 40, Deduct	*-112.96*	
		For >40, Deduct	*-235.09*	
26 56 13 00-0383	EA	25' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,072.68	557.54
		For Bronze Or Satin Anodized Finish, Add	*95.76*	
		For Black Anodized Finish, Add	*191.52*	
		For >10 To 20, Deduct	*-66.18*	
		For >20 To 40, Deduct	*-122.79*	
		For >40, Deduct	*-255.15*	
26 56 13 00-0384	EA	28' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,225.97	592.39
		For Bronze Or Satin Anodized Finish, Add	*104.12*	
		For Black Anodized Finish, Add	*208.24*	
		For >10 To 20, Deduct	*-71.27*	
		For >20 To 40, Deduct	*-132.12*	
		For >40, Deduct	*-274.66*	
26 56 13 00-0385	EA	30' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,412.33	627.23
		For Bronze Or Satin Anodized Finish, Add	*115.79*	
		For Black Anodized Finish, Add	*231.57*	
		For >10 To 20, Deduct	*-77.68*	
		For >20 To 40, Deduct	*-143.77*	
		For >40, Deduct	*-299.13*	
26 56 13 00-0386	EA	33' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,490.92	644.65
		For Bronze Or Satin Anodized Finish, Add	*120.16*	
		For Black Anodized Finish, Add	*240.32*	
		For >10 To 20, Deduct	*-80.30*	
		For >20 To 40, Deduct	*-148.58*	
		For >40, Deduct	*-309.17*	
26 56 13 00-0387	EA	35' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,643.41	662.07
		For Bronze Or Satin Anodized Finish, Add	*131.93*	
		For Black Anodized Finish, Add	*263.85*	
		For >10 To 20, Deduct	*-85.87*	
		For >20 To 40, Deduct	*-158.56*	
		For >40, Deduct	*-330.30*	
26 56 13 00-0388	EA	12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	993.08	278.77
		For Bronze Or Satin Anodized Finish, Add	*43.55*	
		For Black Anodized Finish, Add	*87.11*	
		For >10 To 20, Deduct	*-31.36*	
		For >20 To 40, Deduct	*-58.36*	
		For >40, Deduct	*-121.09*	
26 56 13 00-0389	EA	14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,109.43	313.62
		For Bronze Or Satin Anodized Finish, Add	*48.22*	
		For Black Anodized Finish, Add	*96.44*	
		For >10 To 20, Deduct	*-34.97*	
		For >20 To 40, Deduct	*-65.12*	
		For >40, Deduct	*-135.05*	
26 56 13 00-0390	EA	16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,229.68	348.46
		For Bronze Or Satin Anodized Finish, Add	*53.28*	
		For Black Anodized Finish, Add	*106.55*	
		For >10 To 20, Deduct	*-38.73*	
		For >20 To 40, Deduct	*-72.14*	
		For >40, Deduct	*-149.61*	
26 56 13 00-0391	EA	18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,339.23	383.31
		For Bronze Or Satin Anodized Finish, Add	*57.26*	
		For Black Anodized Finish, Add	*114.52*	
		For >10 To 20, Deduct	*-42.07*	
		For >20 To 40, Deduct	*-78.41*	
		For >40, Deduct	*-162.55*	
26 56 13 00-0392	EA	20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,447.81	418.16
		For Bronze Or Satin Anodized Finish, Add	*61.15*	
		For Black Anodized Finish, Add	*122.30*	
		For >10 To 20, Deduct	*-45.37*	
		For >20 To 40, Deduct	*-84.62*	
		For >40, Deduct	*-175.36*	
26 56 13 00-0393	EA	16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,335.65	348.46
		For Bronze Or Satin Anodized Finish, Add	*63.87*	
		For Black Anodized Finish, Add	*127.74*	
		For >10 To 20, Deduct	*-42.97*	
		For >20 To 40, Deduct	*-79.56*	
		For >40, Deduct	*-165.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0394	EA	18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,463.67	383.31
		For Bronze Or Satin Anodized Finish, Add	*69.71*	
		For Black Anodized Finish, Add	*139.41*	
		For >10 To 20, Deduct	*-47.05*	
		For >20 To 40, Deduct	*-87.12*	
		For >40, Deduct	*-181.22*	
26 56 13 00-0395	EA	20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,561.56	418.16
		For Bronze Or Satin Anodized Finish, Add	*72.53*	
		For Black Anodized Finish, Add	*145.05*	
		For >10 To 20, Deduct	*-49.92*	
		For >20 To 40, Deduct	*-92.58*	
		For >40, Deduct	*-192.42*	
26 56 13 00-0396	EA	23' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,782.61	487.84
		For Bronze Or Satin Anodized Finish, Add	*80.69*	
		For Black Anodized Finish, Add	*161.38*	
		For >10 To 20, Deduct	*-56.67*	
		For >20 To 40, Deduct	*-105.27*	
		For >40, Deduct	*-218.61*	
26 56 13 00-0397	EA	25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,009.49	557.54
		For Bronze Or Satin Anodized Finish, Add	*89.44*	
		For Black Anodized Finish, Add	*178.88*	
		For >10 To 20, Deduct	*-63.65*	
		For >20 To 40, Deduct	*-118.36*	
		For >40, Deduct	*-245.67*	
26 56 13 00-0398	EA	23' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,002.32	487.84
		For Bronze Or Satin Anodized Finish, Add	*102.66*	
		For Black Anodized Finish, Add	*205.32*	
		For >10 To 20, Deduct	*-65.46*	
		For >20 To 40, Deduct	*-120.65*	
		For >40, Deduct	*-251.56*	
26 56 13 00-0399	EA	25' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,218.50	557.54
		For Bronze Or Satin Anodized Finish, Add	*110.34*	
		For Black Anodized Finish, Add	*220.68*	
		For >10 To 20, Deduct	*-72.01*	
		For >20 To 40, Deduct	*-132.99*	
		For >40, Deduct	*-277.02*	
26 56 13 00-0400	EA	28' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,383.47	592.39
		For Bronze Or Satin Anodized Finish, Add	*119.87*	
		For Black Anodized Finish, Add	*239.74*	
		For >10 To 20, Deduct	*-77.57*	
		For >20 To 40, Deduct	*-143.15*	
		For >40, Deduct	*-298.28*	
26 56 13 00-0401	EA	30' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,531.90	627.23
		For Bronze Or Satin Anodized Finish, Add	*127.74*	
		For Black Anodized Finish, Add	*255.49*	
		For >10 To 20, Deduct	*-82.46*	
		For >20 To 40, Deduct	*-152.14*	
		For >40, Deduct	*-317.06*	
26 56 13 00-0402	EA	33' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,661.06	644.65
		For Bronze Or Satin Anodized Finish, Add	*137.18*	
		For Black Anodized Finish, Add	*274.35*	
		For >10 To 20, Deduct	*-87.10*	
		For >20 To 40, Deduct	*-160.49*	
		For >40, Deduct	*-334.69*	
26 56 13 00-0403	EA	35' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,774.65	662.07
		For Bronze Or Satin Anodized Finish, Add	*145.05*	
		For Black Anodized Finish, Add	*290.10*	
		For >10 To 20, Deduct	*-91.12*	
		For >20 To 40, Deduct	*-167.74*	
		For >40, Deduct	*-349.99*	
26 56 13 00-0404	EA	37' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,872.68	679.51
		For Bronze Or Satin Anodized Finish, Add	*151.37*	
		For Black Anodized Finish, Add	*302.74*	
		For >10 To 20, Deduct	*-94.52*	
		For >20 To 40, Deduct	*-173.91*	
		For >40, Deduct	*-362.95*	
26 56 13 00-0405	EA	39' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,043.64	696.93
		For Bronze Or Satin Anodized Finish, Add	*164.98*	
		For Black Anodized Finish, Add	*329.96*	
		For >10 To 20, Deduct	*-100.84*	
		For >20 To 40, Deduct	*-185.18*	
		For >40, Deduct	*-386.85*	
26 56 13 00-0406	EA	28' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,803.45	592.39
		For Bronze Or Satin Anodized Finish, Add	*161.87*	
		For Black Anodized Finish, Add	*323.74*	
		For >10 To 20, Deduct	*-94.37*	
		For >20 To 40, Deduct	*-172.55*	
		For >40, Deduct	*-361.28*	
26 56 13 00-0407	EA	30' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,017.99	627.23
		For Bronze Or Satin Anodized Finish, Add	*176.35*	
		For Black Anodized Finish, Add	*352.71*	
		For >10 To 20, Deduct	*-101.90*	
		For >20 To 40, Deduct	*-186.17*	
		For >40, Deduct	*-389.98*	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0408	EA	33' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,166.59	644.65
		For Bronze Or Satin Anodized Finish, Add	*187.73*	
		For Black Anodized Finish, Add	*375.46*	
		For >10 To 20, Deduct	*-107.32*	
		For >20 To 40, Deduct	*-195.88*	
		For >40, Deduct	*-410.52*	
26 56 13 00-0409	EA	35' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,281.16	662.07
		For Bronze Or Satin Anodized Finish, Add	*195.70*	
		For Black Anodized Finish, Add	*391.40*	
		For >10 To 20, Deduct	*-111.38*	
		For >20 To 40, Deduct	*-203.20*	
		For >40, Deduct	*-425.97*	
26 56 13 00-0410	EA	37' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,348.08	679.51
		For Bronze Or Satin Anodized Finish, Add	*198.91*	
		For Black Anodized Finish, Add	*397.82*	
		For >10 To 20, Deduct	*-113.54*	
		For >20 To 40, Deduct	*-207.19*	
		For >40, Deduct	*-434.26*	
26 56 13 00-0411	EA	39' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,535.56	696.93
		For Bronze Or Satin Anodized Finish, Add	*214.17*	
		For Black Anodized Finish, Add	*428.34*	
		For >10 To 20, Deduct	*-120.51*	
		For >20 To 40, Deduct	*-219.61*	
		For >40, Deduct	*-460.64*	
26 56 13 00-0412	EA	28' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,670.26	592.39
		For Bronze Or Satin Anodized Finish, Add	*148.55*	
		For Black Anodized Finish, Add	*297.10*	
		For >10 To 20, Deduct	*-89.04*	
		For >20 To 40, Deduct	*-163.22*	
		For >40, Deduct	*-341.30*	
26 56 13 00-0413	EA	30' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,867.31	627.23
		For Bronze Or Satin Anodized Finish, Add	*161.29*	
		For Black Anodized Finish, Add	*322.57*	
		For >10 To 20, Deduct	*-95.88*	
		For >20 To 40, Deduct	*-175.62*	
		For >40, Deduct	*-367.37*	
26 56 13 00-0414	EA	33' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,945.90	644.65
		For Bronze Or Satin Anodized Finish, Add	*165.66*	
		For Black Anodized Finish, Add	*331.32*	
		For >10 To 20, Deduct	*-98.50*	
		For >20 To 40, Deduct	*-180.43*	
		For >40, Deduct	*-377.42*	
26 56 13 00-0415	EA	35' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,136.30	662.07
		For Bronze Or Satin Anodized Finish, Add	*181.21*	
		For Black Anodized Finish, Add	*362.43*	
		For >10 To 20, Deduct	*-105.59*	
		For >20 To 40, Deduct	*-193.06*	
		For >40, Deduct	*-404.24*	
26 56 13 00-0416	EA	37' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,233.36	679.51
		For Bronze Or Satin Anodized Finish, Add	*187.44*	
		For Black Anodized Finish, Add	*374.87*	
		For >10 To 20, Deduct	*-108.95*	
		For >20 To 40, Deduct	*-199.16*	
		For >40, Deduct	*-417.05*	
26 56 13 00-0417	EA	39' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,421.82	696.93
		For Bronze Or Satin Anodized Finish, Add	*202.80*	
		For Black Anodized Finish, Add	*405.59*	
		For >10 To 20, Deduct	*-115.97*	
		For >20 To 40, Deduct	*-211.65*	
		For >40, Deduct	*-443.58*	
26 56 13 00-0418	EA	28' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,278.85	592.39
		For Bronze Or Satin Anodized Finish, Add	*209.41*	
		For Black Anodized Finish, Add	*418.82*	
		For >10 To 20, Deduct	*-113.38*	
		For >20 To 40, Deduct	*-205.82*	
		For >40, Deduct	*-432.59*	
26 56 13 00-0419	EA	30' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,467.14	627.23
		For Bronze Or Satin Anodized Finish, Add	*221.27*	
		For Black Anodized Finish, Add	*442.54*	
		For >10 To 20, Deduct	*-119.87*	
		For >20 To 40, Deduct	*-217.61*	
		For >40, Deduct	*-457.35*	
26 56 13 00-0420	EA	33' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,617.68	644.65
		For Bronze Or Satin Anodized Finish, Add	*232.84*	
		For Black Anodized Finish, Add	*465.67*	
		For >10 To 20, Deduct	*-125.37*	
		For >20 To 40, Deduct	*-227.45*	
		For >40, Deduct	*-478.19*	
26 56 13 00-0421	EA	35' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,846.97	662.07
		For Bronze Or Satin Anodized Finish, Add	*252.28*	
		For Black Anodized Finish, Add	*504.56*	
		For >10 To 20, Deduct	*-134.02*	
		For >20 To 40, Deduct	*-242.80*	
		For >40, Deduct	*-510.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0422	EA	37' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,903.20	679.51
		For Bronze Or Satin Anodized Finish, Add	*254.42*	
		For Black Anodized Finish, Add	*508.84*	
		For >10 To 20, Deduct	*-135.74*	
		For >20 To 40, Deduct	*-246.04*	
		For >40, Deduct	*-517.53*	
26 56 13 00-0423	EA	39' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	4,131.51	696.93
		For Bronze Or Satin Anodized Finish, Add	*273.77*	
		For Black Anodized Finish, Add	*547.53*	
		For >10 To 20, Deduct	*-144.35*	
		For >20 To 40, Deduct	*-261.33*	
		For >40, Deduct	*-550.03*	
26 56 13 00-0424	EA	48' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	5,278.55	1,045.39
		For Bronze Or Satin Anodized Finish, Add	*318.78*	
		For Black Anodized Finish, Add	*637.56*	
		For >10 To 20, Deduct	*-179.78*	
		For >20 To 40, Deduct	*-327.68*	
		For >40, Deduct	*-687.24*	
26 56 13 00-0425	EA	50' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	5,399.10	1,045.39
		For Bronze Or Satin Anodized Finish, Add	*330.83*	
		For Black Anodized Finish, Add	*661.67*	
		For >10 To 20, Deduct	*-184.60*	
		For >20 To 40, Deduct	*-336.12*	
		For >40, Deduct	*-705.33*	

26 56 13 00-0426 Round Tapered, Aluminum Area Light Poles, Hinged Anchor Base *(26 56 13 00-0354)*

26 56 13 00-0427	EA	8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	902.31	209.07
		For Bronze, Satin Or Black Anodized Finish, Add	*72.62*	
		For >10 To 20, Deduct	*-29.82*	
		For >20 To 40, Deduct	*-54.80*	
		For >40, Deduct	*-114.44*	
26 56 13 00-0428	EA	10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	992.40	243.93
		For Bronze, Satin Or Black Anodized Finish, Add	*75.68*	
		For >10 To 20, Deduct	*-32.38*	
		For >20 To 40, Deduct	*-59.71*	
		For >40, Deduct	*-124.47*	
26 56 13 00-0429	EA	12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,083.49	278.77
		For Bronze, Satin Or Black Anodized Finish, Add	*78.89*	
		For >10 To 20, Deduct	*-34.98*	
		For >20 To 40, Deduct	*-64.69*	
		For >40, Deduct	*-134.65*	
26 56 13 00-0430	EA	14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,176.51	313.62
		For Bronze, Satin Or Black Anodized Finish, Add	*82.39*	
		For >10 To 20, Deduct	*-37.65*	
		For >20 To 40, Deduct	*-69.81*	
		For >40, Deduct	*-145.12*	
26 56 13 00-0431	EA	16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,268.57	348.46
		For Bronze, Satin Or Black Anodized Finish, Add	*85.75*	
		For >10 To 20, Deduct	*-40.29*	
		For >20 To 40, Deduct	*-74.86*	
		For >40, Deduct	*-155.44*	
26 56 13 00-0432	EA	10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,004.07	243.93
		For Bronze, Satin Or Black Anodized Finish, Add	*77.43*	
		For >10 To 20, Deduct	*-32.85*	
		For >20 To 40, Deduct	*-60.53*	
		For >40, Deduct	*-126.22*	
26 56 13 00-0433	EA	12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,097.10	278.77
		For Bronze, Satin Or Black Anodized Finish, Add	*80.93*	
		For >10 To 20, Deduct	*-35.52*	
		For >20 To 40, Deduct	*-65.65*	
		For >40, Deduct	*-136.69*	
26 56 13 00-0434	EA	14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,192.07	313.62
		For Bronze, Satin Or Black Anodized Finish, Add	*84.73*	
		For >10 To 20, Deduct	*-38.27*	
		For >20 To 40, Deduct	*-70.90*	
		For >40, Deduct	*-147.45*	
26 56 13 00-0435	EA	16' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,286.07	348.46
		For Bronze, Satin Or Black Anodized Finish, Add	*88.37*	
		For >10 To 20, Deduct	*-40.99*	
		For >20 To 40, Deduct	*-76.09*	
		For >40, Deduct	*-158.06*	
26 56 13 00-0436	EA	18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,392.70	383.31
		For Bronze, Satin Or Black Anodized Finish, Add	*93.91*	
		For >10 To 20, Deduct	*-44.21*	
		For >20 To 40, Deduct	*-82.16*	
		For >40, Deduct	*-170.57*	
26 56 13 00-0437	EA	20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,490.59	418.16
		For Bronze, Satin Or Black Anodized Finish, Add	*98.14*	
		For >10 To 20, Deduct	*-47.08*	
		For >20 To 40, Deduct	*-87.62*	
		For >40, Deduct	*-181.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0438	EA	12' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,135.01	278.77
		For Bronze, Satin Or Black Anodized Finish, Add	*86.62*	
		For >10 To 20, Deduct	*-37.04*	
		For >20 To 40, Deduct	*-68.30*	
		For >40, Deduct	*-142.37*	
26 56 13 00-0439	EA	14' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,234.84	313.62
		For Bronze, Satin Or Black Anodized Finish, Add	*91.14*	
		For >10 To 20, Deduct	*-39.99*	
		For >20 To 40, Deduct	*-73.89*	
		For >40, Deduct	*-153.86*	
26 56 13 00-0440	EA	16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,346.35	348.46
		For Bronze, Satin Or Black Anodized Finish, Add	*97.41*	
		For >10 To 20, Deduct	*-43.40*	
		For >20 To 40, Deduct	*-80.31*	
		For >40, Deduct	*-167.11*	
26 56 13 00-0441	EA	18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,448.12	383.31
		For Bronze, Satin Or Black Anodized Finish, Add	*102.23*	
		For >10 To 20, Deduct	*-46.43*	
		For >20 To 40, Deduct	*-86.04*	
		For >40, Deduct	*-178.89*	
26 56 13 00-0442	EA	20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,562.53	418.16
		For Bronze, Satin Or Black Anodized Finish, Add	*108.93*	
		For >10 To 20, Deduct	*-49.96*	
		For >20 To 40, Deduct	*-92.65*	
		For >40, Deduct	*-192.56*	
26 56 13 00-0443	EA	16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,401.76	348.46
		For Bronze, Satin Or Black Anodized Finish, Add	*105.72*	
		For >10 To 20, Deduct	*-45.62*	
		For >20 To 40, Deduct	*-84.18*	
		For >40, Deduct	*-175.42*	
26 56 13 00-0444	EA	18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,522.98	383.31
		For Bronze, Satin Or Black Anodized Finish, Add	*113.45*	
		For >10 To 20, Deduct	*-49.42*	
		For >20 To 40, Deduct	*-91.28*	
		For >40, Deduct	*-190.12*	
26 56 13 00-0445	EA	20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,622.80	418.16
		For Bronze, Satin Or Black Anodized Finish, Add	*117.97*	
		For >10 To 20, Deduct	*-52.37*	
		For >20 To 40, Deduct	*-96.87*	
		For >40, Deduct	*-201.60*	
26 56 13 00-0446	EA	12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,165.15	278.77
		For Bronze, Satin Or Black Anodized Finish, Add	*91.14*	
		For >10 To 20, Deduct	*-38.24*	
		For >20 To 40, Deduct	*-70.41*	
		For >40, Deduct	*-146.90*	
26 56 13 00-0447	EA	14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,280.53	313.62
		For Bronze, Satin Or Black Anodized Finish, Add	*98.00*	
		For >10 To 20, Deduct	*-41.81*	
		For >20 To 40, Deduct	*-77.09*	
		For >40, Deduct	*-160.72*	
26 56 13 00-0448	EA	16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,401.76	348.46
		For Bronze, Satin Or Black Anodized Finish, Add	*105.72*	
		For >10 To 20, Deduct	*-45.62*	
		For >20 To 40, Deduct	*-84.18*	
		For >40, Deduct	*-175.42*	
26 56 13 00-0449	EA	18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,511.31	383.31
		For Bronze, Satin Or Black Anodized Finish, Add	*111.70*	
		For >10 To 20, Deduct	*-48.95*	
		For >20 To 40, Deduct	*-90.46*	
		For >40, Deduct	*-188.37*	
26 56 13 00-0450	EA	20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,627.66	418.16
		For Bronze, Satin Or Black Anodized Finish, Add	*118.70*	
		For >10 To 20, Deduct	*-52.56*	
		For >20 To 40, Deduct	*-97.21*	
		For >40, Deduct	*-202.33*	
26 56 13 00-0451	EA	16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,464.95	348.46
		For Bronze, Satin Or Black Anodized Finish, Add	*115.20*	
		For >10 To 20, Deduct	*-48.14*	
		For >20 To 40, Deduct	*-88.61*	
		For >40, Deduct	*-184.90*	
26 56 13 00-0452	EA	18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,593.95	383.31
		For Bronze, Satin Or Black Anodized Finish, Add	*124.10*	
		For >10 To 20, Deduct	*-52.26*	
		For >20 To 40, Deduct	*-96.24*	
		For >40, Deduct	*-200.76*	
26 56 13 00-0453	EA	20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,698.63	418.16
		For Bronze, Satin Or Black Anodized Finish, Add	*129.35*	
		For >10 To 20, Deduct	*-55.40*	
		For >20 To 40, Deduct	*-102.18*	
		For >40, Deduct	*-212.98*	

26 56 13 00-0454 Round Tapered, Aluminum Area Light Poles, Direct Burial *(26 56 13 00-0354)*
Note: Includes rubberized undercoating on embedded portion.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0455	EA	8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	636.23	174.23
		For Bronze Or Satin Anodized Finish, Add	*28.78*	
		For Black Anodized Finish, Add	*57.55*	
		For >10 To 20, Deduct	*-20.22*	
		For >20 To 40, Deduct	*-37.57*	
		For >40, Deduct	*-78.01*	
26 56 13 00-0456	EA	10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	663.45	174.23
		For Bronze Or Satin Anodized Finish, Add	*31.50*	
		For Black Anodized Finish, Add	*63.00*	
		For >10 To 20, Deduct	*-21.31*	
		For >20 To 40, Deduct	*-39.47*	
		For >40, Deduct	*-82.09*	
26 56 13 00-0457	EA	12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	720.66	191.65
		For Bronze Or Satin Anodized Finish, Add	*33.74*	
		For Black Anodized Finish, Add	*67.47*	
		For >10 To 20, Deduct	*-23.08*	
		For >20 To 40, Deduct	*-42.78*	
		For >40, Deduct	*-88.93*	
26 56 13 00-0458	EA	14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	771.06	209.07
		For Bronze Or Satin Anodized Finish, Add	*35.29*	
		For Black Anodized Finish, Add	*70.58*	
		For >10 To 20, Deduct	*-24.57*	
		For >20 To 40, Deduct	*-45.61*	
		For >40, Deduct	*-94.75*	
26 56 13 00-0459	EA	16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	806.06	209.07
		For Bronze Or Satin Anodized Finish, Add	*38.79*	
		For Black Anodized Finish, Add	*77.58*	
		For >10 To 20, Deduct	*-25.97*	
		For >20 To 40, Deduct	*-48.06*	
		For >40, Deduct	*-100.00*	
26 56 13 00-0460	EA	12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	746.91	191.65
		For Bronze Or Satin Anodized Finish, Add	*36.36*	
		For Black Anodized Finish, Add	*72.72*	
		For >10 To 20, Deduct	*-24.13*	
		For >20 To 40, Deduct	*-44.62*	
		For >40, Deduct	*-92.87*	
26 56 13 00-0461	EA	14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	808.98	209.07
		For Bronze Or Satin Anodized Finish, Add	*39.08*	
		For Black Anodized Finish, Add	*78.16*	
		For >10 To 20, Deduct	*-26.09*	
		For >20 To 40, Deduct	*-48.27*	
		For >40, Deduct	*-100.44*	
26 56 13 00-0462	EA	16' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	828.42	209.07
		For Bronze Or Satin Anodized Finish, Add	*41.03*	
		For Black Anodized Finish, Add	*82.05*	
		For >10 To 20, Deduct	*-26.86*	
		For >20 To 40, Deduct	*-49.63*	
		For >40, Deduct	*-103.36*	
26 56 13 00-0463	EA	18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	894.37	226.51
		For Bronze Or Satin Anodized Finish, Add	*44.14*	
		For Black Anodized Finish, Add	*88.27*	
		For >10 To 20, Deduct	*-28.98*	
		For >20 To 40, Deduct	*-53.55*	
		For >40, Deduct	*-111.51*	
26 56 13 00-0464	EA	20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	956.43	243.93
		For Bronze Or Satin Anodized Finish, Add	*46.86*	
		For Black Anodized Finish, Add	*93.72*	
		For >10 To 20, Deduct	*-30.94*	
		For >20 To 40, Deduct	*-57.19*	
		For >40, Deduct	*-119.07*	
26 56 13 00-0465	EA	16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	884.81	209.07
		For Bronze Or Satin Anodized Finish, Add	*46.67*	
		For Black Anodized Finish, Add	*93.33*	
		For >10 To 20, Deduct	*-29.12*	
		For >20 To 40, Deduct	*-53.57*	
		For >40, Deduct	*-111.81*	
26 56 13 00-0466	EA	18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	956.59	226.51
		For Bronze Or Satin Anodized Finish, Add	*50.36*	
		For Black Anodized Finish, Add	*100.72*	
		For >10 To 20, Deduct	*-31.47*	
		For >20 To 40, Deduct	*-57.90*	
		For >40, Deduct	*-120.84*	
26 56 13 00-0467	EA	20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,023.51	243.93
		For Bronze Or Satin Anodized Finish, Add	*53.57*	
		For Black Anodized Finish, Add	*107.13*	
		For >10 To 20, Deduct	*-33.62*	
		For >20 To 40, Deduct	*-61.89*	
		For >40, Deduct	*-129.13*	
26 56 13 00-0468	EA	18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,036.31	226.51
		For Bronze Or Satin Anodized Finish, Add	*58.33*	
		For Black Anodized Finish, Add	*116.66*	
		For >10 To 20, Deduct	*-34.66*	
		For >20 To 40, Deduct	*-63.48*	
		For >40, Deduct	*-132.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0469	EA	25' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,322.65	278.77
		For Bronze Or Satin Anodized Finish, Add	*76.51*	
		For Black Anodized Finish, Add	*153.02*	
		For >10 To 20, Deduct	*-44.54*	
		For >20 To 40, Deduct	*-81.43*	
		For >40, Deduct	*-170.52*	
26 56 13 00-0470	EA	25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,432.50	278.77
		For Bronze Or Satin Anodized Finish, Add	*87.50*	
		For Black Anodized Finish, Add	*174.99*	
		For >10 To 20, Deduct	*-48.94*	
		For >20 To 40, Deduct	*-89.12*	
		For >40, Deduct	*-187.00*	
26 56 13 00-0471	EA	30' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,596.49	313.62
		For Bronze Or Satin Anodized Finish, Add	*96.93*	
		For Black Anodized Finish, Add	*193.85*	
		For >10 To 20, Deduct	*-54.45*	
		For >20 To 40, Deduct	*-99.21*	
		For >40, Deduct	*-208.11*	
26 56 13 00-0472	EA	30' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,716.07	313.62
		For Bronze Or Satin Anodized Finish, Add	*108.88*	
		For Black Anodized Finish, Add	*217.77*	
		For >10 To 20, Deduct	*-59.23*	
		For >20 To 40, Deduct	*-107.58*	
		For >40, Deduct	*-226.05*	

26 56 13 00-0473 Square Straight, Aluminum Area Light Poles *(26 56 13 00-0294)*

26 56 13 00-0474 Square Straight, Aluminum Area Light Poles, Anchor Base *(26 56 13 00-0473)*

26 56 13 00-0475	EA	8' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	819.67	209.07
		For Bronze Or Satin Anodized Finish, Add	*40.15*	
		For Black Anodized Finish, Add	*80.30*	
		For >10 To 20, Deduct	*-26.51*	
		For >20 To 40, Deduct	*-49.01*	
		For >40, Deduct	*-102.04*	
26 56 13 00-0476	EA	10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	909.77	243.93
		For Bronze Or Satin Anodized Finish, Add	*42.19*	
		For Black Anodized Finish, Add	*84.39*	
		For >10 To 20, Deduct	*-29.07*	
		For >20 To 40, Deduct	*-53.93*	
		For >40, Deduct	*-112.07*	
26 56 13 00-0477	EA	12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,007.66	278.77
		For Bronze Or Satin Anodized Finish, Add	*45.01*	
		For Black Anodized Finish, Add	*90.02*	
		For >10 To 20, Deduct	*-31.94*	
		For >20 To 40, Deduct	*-59.39*	
		For >40, Deduct	*-123.27*	
26 56 13 00-0478	EA	14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,104.57	313.62
		For Bronze Or Satin Anodized Finish, Add	*47.73*	
		For Black Anodized Finish, Add	*95.47*	
		For >10 To 20, Deduct	*-34.77*	
		For >20 To 40, Deduct	*-64.78*	
		For >40, Deduct	*-134.32*	
26 56 13 00-0479	EA	15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,156.91	331.04
		For Bronze Or Satin Anodized Finish, Add	*49.48*	
		For Black Anodized Finish, Add	*98.97*	
		For >10 To 20, Deduct	*-36.35*	
		For >20 To 40, Deduct	*-67.74*	
		For >40, Deduct	*-140.43*	
26 56 13 00-0480	EA	16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,209.27	348.46
		For Bronze Or Satin Anodized Finish, Add	*51.23*	
		For Black Anodized Finish, Add	*102.47*	
		For >10 To 20, Deduct	*-37.92*	
		For >20 To 40, Deduct	*-70.71*	
		For >40, Deduct	*-146.54*	
26 56 13 00-0481	EA	18' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,312.01	383.31
		For Bronze Or Satin Anodized Finish, Add	*54.54*	
		For Black Anodized Finish, Add	*109.08*	
		For >10 To 20, Deduct	*-40.98*	
		For >20 To 40, Deduct	*-76.51*	
		For >40, Deduct	*-158.47*	
26 56 13 00-0482	EA	20' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,423.51	418.16
		For Bronze Or Satin Anodized Finish, Add	*58.72*	
		For Black Anodized Finish, Add	*117.44*	
		For >10 To 20, Deduct	*-44.40*	
		For >20 To 40, Deduct	*-82.92*	
		For >40, Deduct	*-171.71*	
26 56 13 00-0483	EA	16' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,276.35	348.46
		For Bronze Or Satin Anodized Finish, Add	*57.94*	
		For Black Anodized Finish, Add	*115.88*	
		For >10 To 20, Deduct	*-40.60*	
		For >20 To 40, Deduct	*-75.41*	
		For >40, Deduct	*-156.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0484	EA	18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,381.04	383.31
		For Bronze Or Satin Anodized Finish, Add	*61.44*	
		For Black Anodized Finish, Add	*122.88*	
		For >10 To 20, Deduct	*-43.74*	
		For >20 To 40, Deduct	*-81.34*	
		For >40, Deduct	*-168.83*	
26 56 13 00-0485	EA	20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,498.36	418.16
		For Bronze Or Satin Anodized Finish, Add	*66.21*	
		For Black Anodized Finish, Add	*132.41*	
		For >10 To 20, Deduct	*-47.39*	
		For >20 To 40, Deduct	*-88.16*	
		For >40, Deduct	*-182.94*	
26 56 13 00-0486	EA	15' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,448.56	331.04
		For Bronze Or Satin Anodized Finish, Add	*78.65*	
		For Black Anodized Finish, Add	*157.30*	
		For >10 To 20, Deduct	*-48.01*	
		For >20 To 40, Deduct	*-88.16*	
		For >40, Deduct	*-184.18*	
26 56 13 00-0487	EA	20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,777.38	418.16
		For Bronze Or Satin Anodized Finish, Add	*94.11*	
		For Black Anodized Finish, Add	*188.21*	
		For >10 To 20, Deduct	*-58.55*	
		For >20 To 40, Deduct	*-107.69*	
		For >40, Deduct	*-224.79*	
26 56 13 00-0488	EA	25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	2,177.67	557.54
		For Bronze Or Satin Anodized Finish, Add	*106.26*	
		For Black Anodized Finish, Add	*212.52*	
		For >10 To 20, Deduct	*-70.38*	
		For >20 To 40, Deduct	*-130.14*	
		For >40, Deduct	*-270.90*	
26 56 13 00-0489	EA	20' High, 4" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	1,558.64	418.16
		For Bronze Or Satin Anodized Finish, Add	*72.23*	
		For Black Anodized Finish, Add	*144.47*	
		For >10 To 20, Deduct	*-49.80*	
		For >20 To 40, Deduct	*-92.38*	
		For >40, Deduct	*-191.98*	
26 56 13 00-0490	EA	20' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	1,895.01	418.16
		For Bronze Or Satin Anodized Finish, Add	*105.87*	
		For Black Anodized Finish, Add	*211.74*	
		For >10 To 20, Deduct	*-63.26*	
		For >20 To 40, Deduct	*-115.92*	
		For >40, Deduct	*-242.44*	
26 56 13 00-0491	EA	25' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	2,284.61	557.54
		For Bronze Or Satin Anodized Finish, Add	*116.95*	
		For Black Anodized Finish, Add	*233.91*	
		For >10 To 20, Deduct	*-74.66*	
		For >20 To 40, Deduct	*-137.62*	
		For >40, Deduct	*-286.94*	
26 56 13 00-0492	EA	20' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	2,079.73	418.16
		For Bronze Or Satin Anodized Finish, Add	*124.34*	
		For Black Anodized Finish, Add	*248.68*	
		For >10 To 20, Deduct	*-70.64*	
		For >20 To 40, Deduct	*-128.85*	
		For >40, Deduct	*-270.14*	
26 56 13 00-0493	EA	25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	2,525.71	557.54
		For Bronze Or Satin Anodized Finish, Add	*141.06*	
		For Black Anodized Finish, Add	*282.13*	
		For >10 To 20, Deduct	*-84.30*	
		For >20 To 40, Deduct	*-154.50*	
		For >40, Deduct	*-323.10*	
26 56 13 00-0494	EA	30' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	2,915.92	627.23
		For Bronze Or Satin Anodized Finish, Add	*166.15*	
		For Black Anodized Finish, Add	*332.29*	
		For >10 To 20, Deduct	*-97.82*	
		For >20 To 40, Deduct	*-179.03*	
		For >40, Deduct	*-374.67*	

26 56 13 00-0495 Square Straight, Aluminum Area Light Poles, Direct Burial *(26 56 13 00-0473)*

Note: Includes rubberized undercoating on embedded portion.

26 56 13 00-0496	EA	10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	731.50	174.23
		For Bronze Or Satin Anodized Finish, Add	*38.30*	
		For Black Anodized Finish, Add	*76.61*	
		For >10 To 20, Deduct	*-24.03*	
		For >20 To 40, Deduct	*-44.24*	
		For >40, Deduct	*-92.30*	
26 56 13 00-0497	EA	12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	815.93	191.65
		For Bronze Or Satin Anodized Finish, Add	*43.26*	
		For Black Anodized Finish, Add	*86.52*	
		For >10 To 20, Deduct	*-26.89*	
		For >20 To 40, Deduct	*-49.45*	
		For >40, Deduct	*-103.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0498	EA	14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	871.20	209.07
		For Bronze Or Satin Anodized Finish, Add	*45.30*	
		For Black Anodized Finish, Add	*90.61*	
		For >10 To 20, Deduct	*-28.58*	
		For >20 To 40, Deduct	*-52.62*	
		For >40, Deduct	*-109.77*	
26 56 13 00-0499	EA	15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	895.50	209.07
		For Bronze Or Satin Anodized Finish, Add	*47.73*	
		For Black Anodized Finish, Add	*95.47*	
		For >10 To 20, Deduct	*-29.55*	
		For >20 To 40, Deduct	*-54.32*	
		For >40, Deduct	*-113.42*	
26 56 13 00-0500	EA	16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	925.64	209.07
		For Bronze Or Satin Anodized Finish, Add	*50.75*	
		For Black Anodized Finish, Add	*101.50*	
		For >10 To 20, Deduct	*-30.75*	
		For >20 To 40, Deduct	*-56.43*	
		For >40, Deduct	*-117.94*	
26 56 13 00-0501	EA	18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,063.53	226.51
		For Bronze Or Satin Anodized Finish, Add	*61.05*	
		For Black Anodized Finish, Add	*122.11*	
		For >10 To 20, Deduct	*-35.75*	
		For >20 To 40, Deduct	*-65.39*	
		For >40, Deduct	*-136.88*	
26 56 13 00-0502	EA	20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,140.17	243.93
		For Bronze Or Satin Anodized Finish, Add	*65.23*	
		For Black Anodized Finish, Add	*130.47*	
		For >10 To 20, Deduct	*-38.29*	
		For >20 To 40, Deduct	*-70.06*	
		For >40, Deduct	*-146.63*	
26 56 13 00-0503	EA	20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,292.80	243.93
		For Bronze Or Satin Anodized Finish, Add	*80.50*	
		For Black Anodized Finish, Add	*160.99*	
		For >10 To 20, Deduct	*-44.39*	
		For >20 To 40, Deduct	*-80.74*	
		For >40, Deduct	*-169.53*	
26 56 13 00-0504	EA	25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,485.00	278.77
		For Bronze Or Satin Anodized Finish, Add	*92.75*	
		For Black Anodized Finish, Add	*185.49*	
		For >10 To 20, Deduct	*-51.04*	
		For >20 To 40, Deduct	*-92.80*	
		For >40, Deduct	*-194.87*	
26 56 13 00-0505	EA	25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Direct Burial	1,826.23	278.77
		For Bronze Or Satin Anodized Finish, Add	*126.87*	
		For Black Anodized Finish, Add	*253.74*	
		For >10 To 20, Deduct	*-64.69*	
		For >20 To 40, Deduct	*-116.69*	
		For >40, Deduct	*-246.06*	

26 56 13 00-0506 Factory Accessories For Aluminum Area Light Poles *(26 56 13 00-0294)*

26 56 13 00-0507	EA	1/2", 3/4" Or 1" Factory Threaded Pipe Coupling Or Nipple For Aluminum Area Light Poles	91.83
26 56 13 00-0508	EA	Extra Handhole For Aluminum Area Light Poles	36.24
26 56 13 00-0509	EA	Vibration Dampener For Aluminum Area Light Poles	138.92

26 56 13 00-0510 Fiberglass Area Light Poles *(26 56 13 00-0177)*

Note: Includes UV resistant textured weave finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions and tenon top.

26 56 13 00-0511 Round Tapered, Fiberglass Area Light Poles *(26 56 13 00-0510)*

26 56 13 00-0512 Round Tapered, Fiberglass Area Light Poles, Anchor Base *(26 56 13 00-0511)*

26 56 13 00-0513	EA	10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,256.30	243.93
		For >10 To 20, Deduct	*-42.93*	
		For >20 To 40, Deduct	*-78.18*	
		For >40, Deduct	*-164.05*	
26 56 13 00-0514	EA	12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,371.74	278.77
		For >10 To 20, Deduct	*-46.51*	
		For >20 To 40, Deduct	*-84.87*	
		For >40, Deduct	*-177.88*	
26 56 13 00-0515	EA	14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,488.48	313.62
		For >10 To 20, Deduct	*-50.13*	
		For >20 To 40, Deduct	*-91.65*	
		For >40, Deduct	*-191.91*	
26 56 13 00-0516	EA	16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,603.93	348.46
		For >10 To 20, Deduct	*-53.70*	
		For >20 To 40, Deduct	*-98.34*	
		For >40, Deduct	*-205.74*	
26 56 13 00-0517	EA	18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,742.88	383.31
		For >10 To 20, Deduct	*-58.22*	
		For >20 To 40, Deduct	*-106.67*	
		For >40, Deduct	*-223.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0518	EA	20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,860.93	418.16
		For >10 To 20, Deduct	*-61.89*	
		For >20 To 40, Deduct	*-113.54*	
		For >40, Deduct	*-237.32*	
26 56 13 00-0519	EA	22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,047.37	487.84
		For >10 To 20, Deduct	*-67.26*	
		For >20 To 40, Deduct	*-123.80*	
		For >40, Deduct	*-258.32*	
26 56 13 00-0520	EA	24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,232.49	557.54
		For >10 To 20, Deduct	*-72.57*	
		For >20 To 40, Deduct	*-133.97*	
		For >40, Deduct	*-279.12*	
26 56 13 00-0521	EA	26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,338.35	557.54
		For >10 To 20, Deduct	*-76.81*	
		For >20 To 40, Deduct	*-141.38*	
		For >40, Deduct	*-295.00*	
26 56 13 00-0522	EA	28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,500.83	592.39
		For >10 To 20, Deduct	*-82.26*	
		For >20 To 40, Deduct	*-151.36*	
		For >40, Deduct	*-315.89*	
26 56 13 00-0523	EA	30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,663.31	627.23
		For >10 To 20, Deduct	*-87.72*	
		For >20 To 40, Deduct	*-161.34*	
		For >40, Deduct	*-336.77*	
26 56 13 00-0524	EA	10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,376.54	243.93
		For >10 To 20, Deduct	*-47.74*	
		For >20 To 40, Deduct	*-86.60*	
		For >40, Deduct	*-182.09*	
26 56 13 00-0525	EA	12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,468.46	278.77
		For >10 To 20, Deduct	*-50.38*	
		For >20 To 40, Deduct	*-91.64*	
		For >40, Deduct	*-192.39*	
26 56 13 00-0526	EA	14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,561.67	313.62
		For >10 To 20, Deduct	*-53.06*	
		For >20 To 40, Deduct	*-96.77*	
		For >40, Deduct	*-202.89*	
26 56 13 00-0527	EA	16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,657.51	348.46
		For >10 To 20, Deduct	*-55.85*	
		For >20 To 40, Deduct	*-102.09*	
		For >40, Deduct	*-213.78*	
26 56 13 00-0528	EA	18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,759.87	383.31
		For >10 To 20, Deduct	*-58.90*	
		For >20 To 40, Deduct	*-107.86*	
		For >40, Deduct	*-225.65*	
26 56 13 00-0529	EA	20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,860.93	418.16
		For >10 To 20, Deduct	*-61.89*	
		For >20 To 40, Deduct	*-113.54*	
		For >40, Deduct	*-237.32*	
26 56 13 00-0530	EA	22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,031.68	487.84
		For >10 To 20, Deduct	*-66.63*	
		For >20 To 40, Deduct	*-122.70*	
		For >40, Deduct	*-255.97*	
26 56 13 00-0531	EA	24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,232.49	557.54
		For >10 To 20, Deduct	*-72.57*	
		For >20 To 40, Deduct	*-133.97*	
		For >40, Deduct	*-279.12*	
26 56 13 00-0532	EA	26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,276.92	557.54
		For >10 To 20, Deduct	*-74.35*	
		For >20 To 40, Deduct	*-137.08*	
		For >40, Deduct	*-285.78*	
26 56 13 00-0533	EA	28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,392.35	592.39
		For >10 To 20, Deduct	*-77.92*	
		For >20 To 40, Deduct	*-143.77*	
		For >40, Deduct	*-299.61*	
26 56 13 00-0534	EA	30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,507.79	627.23
		For >10 To 20, Deduct	*-81.49*	
		For >20 To 40, Deduct	*-150.46*	
		For >40, Deduct	*-313.45*	
26 56 13 00-0535	EA	10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,552.97	243.93
		For >10 To 20, Deduct	*-54.80*	
		For >20 To 40, Deduct	*-98.95*	
		For >40, Deduct	*-208.55*	
26 56 13 00-0536	EA	12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,663.19	278.77
		For >10 To 20, Deduct	*-58.16*	
		For >20 To 40, Deduct	*-105.27*	
		For >40, Deduct	*-221.60*	
26 56 13 00-0537	EA	14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,773.39	313.62
		For >10 To 20, Deduct	*-61.53*	
		For >20 To 40, Deduct	*-111.59*	
		For >40, Deduct	*-234.65*	
26 56 13 00-0538	EA	16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,884.91	348.46
		For >10 To 20, Deduct	*-64.94*	
		For >20 To 40, Deduct	*-118.01*	
		For >40, Deduct	*-247.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0539	EA	18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,001.65	383.31
		For >10 To 20, Deduct	*-68.57*	
		For >20 To 40, Deduct	*-124.78*	
		For >40, Deduct	*-261.92*	
26 56 13 00-0540	EA	20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,126.23	418.16
		For >10 To 20, Deduct	*-72.50*	
		For >20 To 40, Deduct	*-132.11*	
		For >40, Deduct	*-277.12*	
26 56 13 00-0541	EA	22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,332.27	487.84
		For >10 To 20, Deduct	*-78.66*	
		For >20 To 40, Deduct	*-143.74*	
		For >40, Deduct	*-301.06*	
26 56 13 00-0542	EA	24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,539.61	557.54
		For >10 To 20, Deduct	*-84.86*	
		For >20 To 40, Deduct	*-155.47*	
		For >40, Deduct	*-325.19*	
26 56 13 00-0543	EA	26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,607.57	557.54
		For >10 To 20, Deduct	*-87.58*	
		For >20 To 40, Deduct	*-160.23*	
		For >40, Deduct	*-335.38*	
26 56 13 00-0544	EA	28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,784.43	592.39
		For >10 To 20, Deduct	*-93.61*	
		For >20 To 40, Deduct	*-171.21*	
		For >40, Deduct	*-358.43*	
26 56 13 00-0545	EA	30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,931.23	627.23
		For >10 To 20, Deduct	*-98.43*	
		For >20 To 40, Deduct	*-180.10*	
		For >40, Deduct	*-376.96*	
26 56 13 00-0546	EA	32' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	3,043.18	644.65
		For >10 To 20, Deduct	*-102.39*	
		For >20 To 40, Deduct	*-187.24*	
		For >40, Deduct	*-392.01*	
26 56 13 00-0547	EA	34' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	3,155.14	662.07
		For >10 To 20, Deduct	*-106.34*	
		For >20 To 40, Deduct	*-194.38*	
		For >40, Deduct	*-407.06*	

26 56 13 00-0548 Round Tapered, Fiberglass Area Light Poles, Direct Burial *(26 56 13 00-0511)*

26 56 13 00-0549	EA	10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	787.58	174.23
		For >10 To 20, Deduct	*-26.28*	
		For >20 To 40, Deduct	*-48.16*	
		For >40, Deduct	*-100.71*	
26 56 13 00-0550	EA	12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	847.26	191.65
		For >10 To 20, Deduct	*-28.14*	
		For >20 To 40, Deduct	*-51.64*	
		For >40, Deduct	*-107.92*	
26 56 13 00-0551	EA	14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	905.64	209.07
		For >10 To 20, Deduct	*-29.95*	
		For >20 To 40, Deduct	*-55.03*	
		For >40, Deduct	*-114.94*	
26 56 13 00-0552	EA	16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	927.85	209.07
		For >10 To 20, Deduct	*-30.84*	
		For >20 To 40, Deduct	*-56.59*	
		For >40, Deduct	*-118.27*	
26 56 13 00-0553	EA	18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	999.29	226.51
		For >10 To 20, Deduct	*-33.18*	
		For >20 To 40, Deduct	*-60.89*	
		For >40, Deduct	*-127.24*	
26 56 13 00-0554	EA	20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,060.27	243.93
		For >10 To 20, Deduct	*-35.09*	
		For >20 To 40, Deduct	*-64.46*	
		For >40, Deduct	*-134.65*	
26 56 13 00-0555	EA	22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,125.19	261.35
		For >10 To 20, Deduct	*-37.17*	
		For >20 To 40, Deduct	*-68.31*	
		For >40, Deduct	*-142.64*	
26 56 13 00-0556	EA	24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,196.62	278.77
		For >10 To 20, Deduct	*-39.50*	
		For >20 To 40, Deduct	*-72.61*	
		For >40, Deduct	*-151.62*	
26 56 13 00-0557	EA	26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,322.08	278.77
		For >10 To 20, Deduct	*-44.52*	
		For >20 To 40, Deduct	*-81.39*	
		For >40, Deduct	*-170.44*	
26 56 13 00-0558	EA	28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,482.40	296.19
		For >10 To 20, Deduct	*-50.41*	
		For >20 To 40, Deduct	*-91.92*	
		For >40, Deduct	*-192.74*	
26 56 13 00-0559	EA	30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,642.70	313.62
		For >10 To 20, Deduct	*-56.30*	
		For >20 To 40, Deduct	*-102.44*	
		For >40, Deduct	*-215.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0560	EA	10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	907.82	174.23
		For >10 To 20, Deduct	*-31.09*	
		For >20 To 40, Deduct	*-56.58*	
		For >40, Deduct	*-118.75*	
26 56 13 00-0561	EA	12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	974.03	191.65
		For >10 To 20, Deduct	*-33.21*	
		For >20 To 40, Deduct	*-60.52*	
		For >40, Deduct	*-126.94*	
26 56 13 00-0562	EA	14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,040.25	209.07
		For >10 To 20, Deduct	*-35.34*	
		For >20 To 40, Deduct	*-64.45*	
		For >40, Deduct	*-135.13*	
26 56 13 00-0563	EA	16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,072.92	209.07
		For >10 To 20, Deduct	*-36.64*	
		For >20 To 40, Deduct	*-66.74*	
		For >40, Deduct	*-140.03*	
26 56 13 00-0564	EA	18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,139.13	226.51
		For >10 To 20, Deduct	*-38.77*	
		For >20 To 40, Deduct	*-70.68*	
		For >40, Deduct	*-148.22*	
26 56 13 00-0565	EA	20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,205.33	243.93
		For >10 To 20, Deduct	*-40.90*	
		For >20 To 40, Deduct	*-74.62*	
		For >40, Deduct	*-156.41*	
26 56 13 00-0566	EA	22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,271.56	261.35
		For >10 To 20, Deduct	*-43.02*	
		For >20 To 40, Deduct	*-78.56*	
		For >40, Deduct	*-164.60*	
26 56 13 00-0567	EA	24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,367.82	278.77
		For >10 To 20, Deduct	*-46.35*	
		For >20 To 40, Deduct	*-84.60*	
		For >40, Deduct	*-177.30*	
26 56 13 00-0568	EA	26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,489.37	278.77
		For >10 To 20, Deduct	*-51.21*	
		For >20 To 40, Deduct	*-93.11*	
		For >40, Deduct	*-195.53*	
26 56 13 00-0569	EA	28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,647.07	296.19
		For >10 To 20, Deduct	*-57.00*	
		For >20 To 40, Deduct	*-103.45*	
		For >40, Deduct	*-217.44*	
26 56 13 00-0570	EA	30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,803.45	313.62
		For >10 To 20, Deduct	*-62.73*	
		For >20 To 40, Deduct	*-113.70*	
		For >40, Deduct	*-239.16*	
26 56 13 00-0571	EA	10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,013.68	174.23
		For >10 To 20, Deduct	*-35.32*	
		For >20 To 40, Deduct	*-63.99*	
		For >40, Deduct	*-134.63*	
26 56 13 00-0572	EA	12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,072.05	191.65
		For >10 To 20, Deduct	*-37.13*	
		For >20 To 40, Deduct	*-67.38*	
		For >40, Deduct	*-141.64*	
26 56 13 00-0573	EA	14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,129.12	209.07
		For >10 To 20, Deduct	*-38.89*	
		For >20 To 40, Deduct	*-70.68*	
		For >40, Deduct	*-148.46*	
26 56 13 00-0574	EA	16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,151.34	209.07
		For >10 To 20, Deduct	*-39.78*	
		For >20 To 40, Deduct	*-72.23*	
		For >40, Deduct	*-151.79*	
26 56 13 00-0575	EA	18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,208.39	226.51
		For >10 To 20, Deduct	*-41.54*	
		For >20 To 40, Deduct	*-75.53*	
		For >40, Deduct	*-158.61*	
26 56 13 00-0576	EA	20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,266.76	243.93
		For >10 To 20, Deduct	*-43.35*	
		For >20 To 40, Deduct	*-78.92*	
		For >40, Deduct	*-165.62*	
26 56 13 00-0577	EA	22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,369.58	261.35
		For >10 To 20, Deduct	*-46.94*	
		For >20 To 40, Deduct	*-85.42*	
		For >40, Deduct	*-179.30*	
26 56 13 00-0578	EA	24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,488.06	278.77
		For >10 To 20, Deduct	*-51.16*	
		For >20 To 40, Deduct	*-93.01*	
		For >40, Deduct	*-195.33*	
26 56 13 00-0579	EA	26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,563.86	278.77
		For >10 To 20, Deduct	*-54.19*	
		For >20 To 40, Deduct	*-98.32*	
		For >40, Deduct	*-206.70*	
26 56 13 00-0580	EA	28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,675.82	296.19
		For >10 To 20, Deduct	*-58.15*	
		For >20 To 40, Deduct	*-105.46*	
		For >40, Deduct	*-221.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0581	EA	30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,787.77	313.62
		For >10 To 20, Deduct	*-62.10*	
		For >20 To 40, Deduct	*-112.60*	
		For >40, Deduct	*-236.80*	

26 56 13 00-0582 Factory Accessories For Fiberglass Area Light Poles *(26 56 13 00-0510)*

26 56 13 00-0583	EA	Open Or Capped Top For Fiberglass Area Light Poles	46.34	
26 56 13 00-0584	EA	Factory Side Drilling Up To Four Fixtures On Fiberglass Area Light Poles	46.34	
26 56 13 00-0585	EA	Smooth Shaft Finish For Fiberglass Area Light Poles	87.92	
26 56 13 00-0586	EA	Vibration Dampener For Fiberglass Area Light Poles	116.43	

26 56 13 00-0587 Concrete Area Light Poles *(26 56 13 00-0177)*

26 56 13 00-0588 Octagonal Tapered, Spun Concrete Area Light Poles, Anchor Base *(26 56 13 00-0587)*

26 56 13 00-0589	EA	28' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	2,367.06	592.39
26 56 13 00-0590	EA	30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	2,495.87	627.23
26 56 13 00-0591	EA	33' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	2,588.47	644.65
26 56 13 00-0592	EA	36' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	3,205.94	662.07
26 56 13 00-0593	EA	38' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	3,557.88	696.93
26 56 13 00-0594	EA	43' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	4,407.58	906.00
26 56 13 00-0595	EA	47' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	5,282.95	1,115.08
26 56 13 00-0596	EA	27' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base Note: Polished brown with acrylic coating finish.	5,077.31	592.39
26 56 13 00-0597	EA	30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base Note: Polished brown with acrylic coating finish.	5,854.74	627.23
26 56 13 00-0598	EA	Pole Adapter Base Plate, Galvanized Steel, 1" Thick For Adapting Up To 40'	713.66	209.07
26 56 13 00-0599	EA	13' High Concrete Octagonal Area Light Pole, Pink With Acrylic Coating, Finish Design	3,041.96	418.01
26 56 13 00-0600	EA	Pole Base Cover For All Octagon Poles	276.32	85.30
26 56 13 00-0601	EA	Pole Arms 24" Long, Square, 250 Watt Fixture, Dark, Architectural Bronze	567.23	170.61

26 56 13 00-0602 Tapered, Spun Concrete Area Light Poles, Direct Burial *(26 56 13 00-0587)*

Note: Round or square.

26 56 13 00-0603	EA	13' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	2,510.55	278.77
26 56 13 00-0604	EA	16' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	2,839.89	348.46
26 56 13 00-0605	EA	18' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	3,138.88	418.16
26 56 13 00-0606	EA	30' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	4,377.63	627.23
26 56 13 00-0607	EA	35' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	5,042.57	662.07
26 56 13 00-0608	EA	40' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	5,761.29	696.93
26 56 13 00-0609	EA	45' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	6,687.52	906.00

26 56 13 00-0610 Round Tapered, Spun Concrete Area Light Poles, Direct Burial *(26 56 13 00-0587)*

26 56 13 00-0611	EA	60' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 60 9-22)	19,141.58	1,568.08
26 56 13 00-0612	EA	70' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 70 9-24)	22,842.52	1,942.28
26 56 13 00-0613	EA	80' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C1 80 9-26)	27,098.11	2,623.78

26 56 13 00-0614 Treated Wood Area Light Poles *(26 56 13 00-0177)*

See CSI section 26 05 46 00-0001 for wood poles.

26 56 13 00-0615 Cast Iron Decorative Light Posts *(26 56 13 00-0177)*

26 56 13 00-0616 Round Tapered, Cast Iron Decorative Light Post, Anchor Base *(26 56 13 00-0615)*

Note: As manufactured by Hadco and King Luminaries or an approved equal.

26 56 13 00-0617	EA	10' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,350.21	174.23
26 56 13 00-0618	EA	12' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,429.78	200.72
26 56 13 00-0619	EA	14' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,547.50	209.07
26 56 13 00-0620	EA	16' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,896.85	243.93
26 56 13 00-0621	EA	18' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	2,208.53	264.83
26 56 13 00-0622	EA	20' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	2,534.91	285.74

26 56 13 00-0623 Landscape Light Poles *(26 56 13 00-0001)*

Note: Excludes lighting fixtures.

26 56 13 00-0624 Aluminum Landscape Light Poles *(26 56 13 00-0623)*

Note: Includes painted finish.

26 56 13 00-0625 Round Straight, Aluminum Landscape Light Poles *(26 56 13 00-0624)*

26 56 13 00-0626 Round Straight, Aluminum Landscape Light Poles, Anchor Base *(26 56 13 00-0625)*

26 56 13 00-0627	EA	7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base	504.67	209.07
26 56 13 00-0628	EA	12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base	831.34	278.77

26 56 13 00-0629 Round Straight, Aluminum Landscape Light Poles, Direct Burial *(26 56 13 00-0625)*

26 56 13 00-0630	EA	7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial	463.96	209.07
26 56 13 00-0631	EA	12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial	790.63	278.77

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0632		Steel Landscape Light Poles *(26 56 13 00-0623)* Note: Includes painted finish.		
26 56 13 00-0633		Round Straight, Steel Landscape Light Poles *(26 56 13 00-0632)*		
26 56 13 00-0634		Round Straight, Steel Landscape Light Poles, Anchor Base *(26 56 13 00-0633)*		
26 56 13 00-0635	EA	6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Anchor Base	574.94	209.07
26 56 13 00-0636		Round Straight, Steel Landscape Light Poles, Direct Burial *(26 56 13 00-0633)*		
26 56 13 00-0637	EA	6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Direct Burial	539.82	209.07
26 56 13 00-0638		Light Pole Brackets And Arms *(26 56 13 00-0001)*		
26 56 13 00-0639		Light Pole Brackets *(26 56 13 00-0638)*		
26 56 13 00-0640		Bullhorn Style, Pole Top Area Light Brackets *(26 56 13 00-0639)*		
26 56 13 00-0641		Round Bullhorn Style, Pole Top Area Light Brackets *(26 56 13 00-0640)*		
26 56 13 00-0642		Steel, Round Bullhorn Style, Pole Top Area Light Brackets *(26 56 13 00-0641)* Note: Includes powdercoat finish.		
26 56 13 00-0643	EA	Two Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	712.35	41.81
		For Galvanized Finish, Add	*62.87*	
26 56 13 00-0644	EA	Three Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	902.04	41.81
		For Galvanized Finish, Add	*81.84*	
26 56 13 00-0645	EA	Three Tenons At 120 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	959.94	41.81
		For Galvanized Finish, Add	*87.63*	
26 56 13 00-0646	EA	Four Tenons At 90 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	1,317.35	41.81
		For Galvanized Finish, Add	*123.37*	
26 56 13 00-0647	EA	Four Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	1,373.01	41.81
		For Galvanized Finish, Add	*128.94*	
26 56 13 00-0648		Aluminum, Round Bullhorn Style, Pole Top Area Light Brackets *(26 56 13 00-0641)* Note: Includes satin brushed or painted finish.		
26 56 13 00-0649	EA	Two Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	242.11	41.81
		For Bronze Or Satin Anodized Finish, Add	*15.85*	
		For Black Anodized Finish, Add	*31.69*	
26 56 13 00-0650	EA	Three Tenons At 120 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	292.66	41.81
		For Bronze Or Satin Anodized Finish, Add	*20.90*	
		For Black Anodized Finish, Add	*41.80*	
26 56 13 00-0651	EA	Three Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	306.27	41.81
		For Bronze Or Satin Anodized Finish, Add	*22.26*	
		For Black Anodized Finish, Add	*44.53*	
26 56 13 00-0652	EA	Four Tenons At 90 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	353.91	41.81
		For Bronze Or Satin Anodized Finish, Add	*27.03*	
		For Black Anodized Finish, Add	*54.05*	
26 56 13 00-0653	EA	Four Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	363.63	41.81
		For Bronze Or Satin Anodized Finish, Add	*28.00*	
		For Black Anodized Finish, Add	*56.00*	
26 56 13 00-0654		Square Bullhorn Style, Pole Top Area Light Brackets *(26 56 13 00-0640)*		
26 56 13 00-0655		Steel, Square Bullhorn Style, Pole Top Area Light Brackets *(26 56 13 00-0654)* Note: Includes powdercoat finish.		
26 56 13 00-0656	EA	Two Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket	766.51	41.81
		For Galvanized Finish, Add	*68.29*	
26 56 13 00-0657	EA	Three Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket	948.21	41.81
		For Galvanized Finish, Add	*86.46*	
26 56 13 00-0658	EA	Four Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket	1,161.61	41.81
		For Galvanized Finish, Add	*107.80*	
26 56 13 00-0659	EA	Four Tenons At 90 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket	1,376.00	41.81
		For Galvanized Finish, Add	*129.24*	
26 56 13 00-0660		Wood Pole Clamp On Style, Pole Top Area Light Brackets *(26 56 13 00-0639)*		
26 56 13 00-0661		Steel, Wood Pole Clamp On Style, Pole Top Area Light Brackets *(26 56 13 00-0660)* Note: Includes powdercoat finish.		
26 56 13 00-0662	EA	One Tenon, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	720.93	69.69
26 56 13 00-0663	EA	Two Tenons At 90, 120 Or 180 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	1,092.81	69.69
26 56 13 00-0664	EA	Three Tenons At 120 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	1,532.84	69.69
26 56 13 00-0665	EA	Four Tenons At 90 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	1,677.60	69.69
26 56 13 00-0666		Light Pole Arms *(26 56 13 00-0638)*		
26 56 13 00-0667		Wood Pole Streetlight Arms *(26 56 13 00-0666)*		
26 56 13 00-0668		Steel, Wood Pole Streetlight Arms *(26 56 13 00-0667)*		
26 56 13 00-0669	EA	1-1/4" Arm Diameter, 2-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	415.47	62.72
26 56 13 00-0670	EA	1-1/4" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	439.14	69.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0671	EA	1-1/4" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	508.18	87.12
26 56 13 00-0672	EA	2" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	617.35	69.69
26 56 13 00-0673	EA	2" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	685.88	87.12
26 56 13 00-0674	EA	2" Arm Diameter, 7-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	832.79	104.54
26 56 13 00-0675		**Aluminum, Wood Pole Streetlight Arms** *(26 56 13 00-0667)*		
26 56 13 00-0676	EA	1-1/4" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount	248.25	69.69
26 56 13 00-0677	EA	2" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount	304.08	69.69
26 56 13 00-0678	EA	2" Arm Diameter, 66" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount	405.25	87.12
26 56 13 00-0679	EA	2" Arm Diameter, 90" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount	529.56	104.54
26 56 13 00-0680		**Area Light Arms** *(26 56 13 00-0666)*		
26 56 13 00-0681		**Steel Area Light Arms** *(26 56 13 00-0680)*		
26 56 13 00-0682	EA	Single, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount	802.45	69.69
26 56 13 00-0683	EA	Two, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount	1,264.46	76.67
26 56 13 00-0684	EA	Three, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount	1,405.31	83.64
26 56 13 00-0685	EA	Four, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount	1,670.48	90.60
26 56 13 00-0686	EA	Single, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount	956.43	87.12
26 56 13 00-0687	EA	Two, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount	1,371.83	94.09
26 56 13 00-0688		**Aluminum Area Light Arms** *(26 56 13 00-0680)*		
26 56 13 00-0689	EA	Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount	297.86	69.69
26 56 13 00-0690	EA	Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount	367.69	87.12
26 56 13 00-0691	EA	Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount	439.48	104.54
26 56 13 00-0692	EA	Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount	295.91	69.69
26 56 13 00-0693	EA	Two, 4' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount	414.84	76.67
26 56 13 00-0694	EA	Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount	363.81	87.12
26 56 13 00-0695	EA	Two, 6' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount	506.07	94.09
26 56 13 00-0696	EA	Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount	441.42	104.54
26 56 13 00-0697	EA	Two, 8' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount	613.84	111.51
26 56 13 00-0698		**Removal And Reinstallation Of Lighting Pole** *(26 56 13 00-0001)*		
26 56 13 00-0699	EA	Removal And Relocation Of Up To 45' Lighting Pole And Standards With One Or Two Arms	2,300.08	
26 56 13 00-0700		**High Mast Lighting** *(26 56 13 00-0001)*		
26 56 13 00-0701		**High Mast Lighting Assemblies** *(26 56 13 00-0700)*		
		Note: Includes non-latching system, ring assembly with internal bumper, acrylic top cover, pulley supports, cast arm filter for pipe tension, transition assembly, standard head frame assembly, standard hoist, and powder coated pole. See CSI section 26 56 21 00-0001 for high mast fixtures.		
26 56 13 00-0702	EA	60' High Mast Lighting Assembly	58,815.36	2,156.00
26 56 13 00-0703	EA	70' High Mast Lighting Assembly	62,128.70	2,258.08
26 56 13 00-0704	EA	80' High Mast Lighting Assembly	65,476.03	2,405.56
26 56 13 00-0705	EA	90' High Mast Lighting Assembly	68,855.35	2,598.43
26 56 13 00-0706	EA	100' High Mast Lighting Assembly	72,251.65	2,836.59
26 56 13 00-0707	EA	110' High Mast Lighting Assembly	76,622.02	3,120.46
26 56 13 00-0708	EA	120' High Mast Lighting Assembly	80,149.69	3,404.10
26 56 13 00-0709	EA	130' High Mast Lighting Assembly	83,406.17	3,687.74
26 56 13 00-0710	EA	140' High Mast Lighting Assembly	86,933.85	3,971.52
26 56 13 00-0711	EA	150' High Mast Lighting Assembly	91,228.93	4,255.15
26 56 13 00-0712		**High Mast Light Poles** *(26 56 13 00-0700)*		
26 56 13 00-0713	EA	60' High Mast Light Poles	22,301.04	1,294.85
26 56 13 00-0714	EA	70' High Mast Light Poles	25,583.70	1,356.19
26 56 13 00-0715	EA	80' High Mast Light Poles	28,886.73	1,444.79
26 56 13 00-0716	EA	90' High Mast Light Poles	32,208.13	1,560.64
26 56 13 00-0717	EA	100' High Mast Light Poles	35,549.91	1,703.75
26 56 13 00-0718	EA	110' High Mast Light Poles	38,912.05	1,874.12
26 56 13 00-0719	EA	120' High Mast Light Poles	41,450.53	2,044.50
26 56 13 00-0720	EA	130' High Mast Light Poles	41,500.93	3,789.14
26 56 13 00-0721	EA	140' High Mast Light Poles	46,254.28	2,385.25
26 56 13 00-0722	EA	150' High Mast Light Poles	49,065.98	2,555.63
26 56 13 00-0723		**High Mast Lighting Accessories** *(26 56 13 00-0700)*		
		See CSI section 26 55 13 00-0123 for lighting fixtures, 26 56 21 00-0001 for light fixtures.		
26 56 13 00-0724	EA	Bottom Latching System For High Mast Lighting	1,035.84	
26 56 13 00-0725	EA	Top Latching System For High Mast Lighting	2,933.75	
26 56 13 00-0726	EA	Centering Springs For High Mast Lighting	2,221.91	
26 56 13 00-0727	EA	Electric Power Cord For High Mast Lighting	933.52	
26 56 13 00-0728	EA	Aircraft Warning Lights For High Mast Lighting	1,738.49	
26 56 13 00-0729	EA	Internal Motorized Hoist For High Mast Lighting	19,003.09	
26 56 13 00-0730	EA	Portable Hoist Motor With Step Down Transformer For High Mast Lighting	19,112.06	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0731		Concrete Bases *(26 56 13 00-0001)*		
26 56 13 00-0732		Concrete Bases, Cast In Place *(26 56 13 00-0731)* Note: Includes excavation/drilling, concrete, reinforcement, forms for exposed base, anchors/supports and backfill. Excludes conduit.		
26 56 13 00-0733	EA	Cast In Place Concrete Base For Poles Minimum Charge Note: For projects where the cast in place concrete base for poles charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	399.19	
26 56 13 00-0734	VLF	1-1/2' Diameter Concrete Base For Poles	66.87	
26 56 13 00-0735	VLF	2' Diameter Concrete Base For Poles	94.23	
26 56 13 00-0736	VLF	2-1/2' Diameter Concrete Base For Poles	127.58	
26 56 13 00-0737	VLF	3' Diameter Concrete Base For Poles	168.03	
26 56 13 00-0738	VLF	3-1/2' Diameter Concrete Base For Poles	224.85	
26 56 13 00-0739	VLF	4' Diameter Concrete Base For Poles	283.11	
26 56 13 00-0740	VLF	5' Diameter Concrete Base For Poles	412.05	
26 56 13 00-0741	VLF	6' Diameter Concrete Base For Poles	567.60	
26 56 18		**Incandescent Exterior Lighting** *(26 56)*		
26 56 18 00-0001		Exterior Globe *(26 56 18)*		
26 56 18 00-0002		Incandescent, Exterior Globe *(26 56 18 00-0001)*		
26 56 18 00-0003	EA	100 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture	60.93	23.04
26 56 18 00-0004	EA	150 To 200 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture	91.85	23.04
26 56 18 00-0005	EA	100 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture	70.68	23.04
26 56 18 00-0006	EA	150 To 200 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture	95.61	23.04
26 56 18 00-0007		Compact Fluorescent And Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures *(26 56 18)* Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 18 00-0008	EA	7 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	271.27	92.14
26 56 18 00-0009	EA	9 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	282.83	97.90
26 56 18 00-0010	EA	13 Or 14 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	311.36	103.66
26 56 18 00-0011	EA	75 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	303.39	115.18
26 56 18 00-0012	EA	100 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	341.30	132.45
26 56 19		**LED Exterior Lighting** *(26 56)*		
26 56 19 00-0001		LED, Wall Packs *(26 56 19)*		
26 56 19 00-0002		Full Cutoff, LED Wall Packs *(26 56 19 00-0001)*		
26 56 19 00-0003		Full Cutoff, LED Wall Packs (Lithonia) *(26 56 19 00-0002)*		
26 56 19 00-0004	EA	30 LEDs, 57 Watt, 530 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED)	991.79	122.44
		For >50 To 100, Deduct	*-49.59*	
		For >100 To 250, Deduct	*-74.38*	
		For >250 To 500, Deduct	*-117.85*	
		For >500 To 1,000, Deduct	*-161.32*	
		For >1,000, Deduct	*-204.79*	
26 56 19 00-0005	EA	30 LEDs, 35 Watt, 350 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED)	1,072.87	122.44
		For >50 To 100, Deduct	*-53.64*	
		For >100 To 250, Deduct	*-80.47*	
		For >250 To 500, Deduct	*-127.99*	
		For >500 To 1,000, Deduct	*-175.51*	
		For >1,000, Deduct	*-223.03*	
26 56 19 00-0006		Full Cutoff, LED Wall Packs (CREE® BetaLED®) *(26 56 19 00-0002)*		
26 56 19 00-0007		Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® Edge® SEC-EDG) *(26 56 19 00-0006)* Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0008	EA	20 LEDs, 26 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG) Note: Includes 350mA or 525mA driver.	1,052.77	118.94
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*22.49*	
		For Bird Spikes, Add	*54.40*	
		For Fuse, Add	*67.48*	
		For 0 To 10 Volt Dimming, Add	*67.48*	
		For 480 Volt, Add	*101.23*	
		For Multi-Level, Add	*146.21*	
		For >50 To 100, Deduct	*-52.64*	
		For >100 To 250, Deduct	*-78.96*	
		For >250 To 500, Deduct	*-125.65*	
		For >500 To 1,000, Deduct	*-172.34*	
		For >1,000, Deduct	*-219.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0009	EA	40 LEDs, 47 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	1,362.01	125.93
		Note: Includes 350mA or 525mA driver.		
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*22.49*	
		For Bird Spikes, Add	*55.10*	
		For Fuse, Add	*67.48*	
		For 0 To 10 Volt Dimming, Add	*67.48*	
		For 480 Volt, Add	*101.23*	
		For Multi-Level, Add	*146.21*	
		For >50 To 100, Deduct	*-68.10*	
		For >100 To 250, Deduct	*-102.15*	
		For >250 To 500, Deduct	*-163.95*	
		For >500 To 1,000, Deduct	*-225.76*	
		For >1,000, Deduct	*-287.56*	
26 56 19 00-0010	EA	60 LEDs, 68 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	1,528.51	132.93
		Note: Includes 350mA or 525mA driver.		
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*22.49*	
		For Bird Spikes, Add	*55.80*	
		For Fuse, Add	*67.48*	
		For 0 To 10 Volt Dimming, Add	*67.48*	
		For 480 Volt, Add	*101.23*	
		For Multi-Level, Add	*146.21*	
		For >50 To 100, Deduct	*-76.43*	
		For >100 To 250, Deduct	*-114.64*	
		For >250 To 500, Deduct	*-184.42*	
		For >500 To 1,000, Deduct	*-254.20*	
		For >1,000, Deduct	*-323.98*	
26 56 19 00-0011	EA	80 LEDs, 90 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	1,980.50	139.92
		Note: Includes 350mA or 525mA driver.		
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*22.49*	
		For Bird Spikes, Add	*56.50*	
		For Fuse, Add	*67.48*	
		For 0 To 10 Volt Dimming, Add	*67.48*	
		For 480 Volt, Add	*101.23*	
		For Multi-Level, Add	*146.21*	
		For >50 To 100, Deduct	*-99.03*	
		For >100 To 250, Deduct	*-148.54*	
		For >250 To 500, Deduct	*-240.57*	
		For >500 To 1,000, Deduct	*-332.60*	
		For >1,000, Deduct	*-424.62*	
26 56 19 00-0012	EA	100 LEDs, 111 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	2,289.74	146.93
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*22.49*	
		For Bird Spikes, Add	*57.20*	
		For Fuse, Add	*67.48*	
		For 0 To 10 Volt Dimming, Add	*67.48*	
		For 480 Volt, Add	*101.23*	
		For Multi-Level, Add	*146.21*	
		For >50 To 100, Deduct	*-114.49*	
		For >100 To 250, Deduct	*-171.73*	
		For >250 To 500, Deduct	*-278.87*	
		For >500 To 1,000, Deduct	*-386.01*	
		For >1,000, Deduct	*-493.15*	
26 56 19 00-0013	EA	120 LEDs, 132 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	2,598.99	153.92
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*22.49*	
		For Bird Spikes, Add	*57.90*	
		For Fuse, Add	*67.48*	
		For 0 To 10 Volt Dimming, Add	*67.48*	
		For 480 Volt, Add	*101.23*	
		For Multi-Level, Add	*146.21*	
		For >50 To 100, Deduct	*-129.95*	
		For >100 To 250, Deduct	*-194.92*	
		For >250 To 500, Deduct	*-317.18*	
		For >500 To 1,000, Deduct	*-439.43*	
		For >1,000, Deduct	*-561.69*	

26 56 19 00-0014 Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® XSPW™) *(26 56 19 00-0006)*

Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, Class 2 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0015	EA	25 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™)	614.33	118.94
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*22.49*	
		For 0 To 10 Volt Dimming, Add	*67.48*	
		For Multi-Level, Add	*67.48*	
		For >50 To 100, Deduct	*-30.72*	
		For >100 To 250, Deduct	*-46.07*	
		For >250 To 500, Deduct	*-70.84*	
		For >500 To 1,000, Deduct	*-95.61*	
		For >1,000, Deduct	*-120.38*	
26 56 19 00-0016	EA	42 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™)	716.15	125.93
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*22.49*	
		For 0 To 10 Volt Dimming, Add	*67.48*	
		For Multi-Level, Add	*67.48*	
		For >50 To 100, Deduct	*-35.81*	
		For >100 To 250, Deduct	*-53.71*	
		For >250 To 500, Deduct	*-83.22*	
		For >500 To 1,000, Deduct	*-112.73*	
		For >1,000, Deduct	*-142.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0017		**Full Cutoff, LED Wall Packs (McGraw-Edison)** *(26 56 19 00-0002)*		
26 56 19 00-0018	EA	One 7 LED Light Bar, 27 System Watts, 1 A Drive Current, Full Cutoff, LED Wall Pack (McGraw-Edison IST)	1,331.49	118.94
26 56 19 00-0019	EA	Two 7 LED Light Bars, 54 System Watts, 1 A Drive Current, Full Cutoff, LED Wall Pack (McGraw-Edison IST)	1,655.99	125.93
26 56 19 00-0020	EA	One 21 LED Light Bar, 27 System Watts, 350 mA Drive Current, Full Cutoff, LED Wall Pack (McGraw-Edison IST)	1,347.48	118.94
26 56 19 00-0021	EA	Two 21 LED Light Bars, 51 System Watts, 350 mA Drive Current, Full Cutoff, LED Wall Pack (McGraw-Edison IST)	1,802.11	125.93
26 56 19 00-0022		**Open Face LED Wall Pack** *(26 56 19 00-0001)* Note: Heavy-duty cast aluminum housing is polyester powder coated to be rust and corrosion proof, High-quality shatter-resistant glass		
26 56 19 00-0023	EA	3,640 Lumens, 28 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP28U-50B-MS)	737.41	126.07
		For >50 To 100, Deduct	*-36.87*	
		For >100 To 250, Deduct	*-55.31*	
		For >250 To 500, Deduct	*-82.72*	
		For >500 To 1,000, Deduct	*-110.14*	
		For >1,000, Deduct	*-137.55*	
26 56 19 00-0024	EA	5,540 Lumens, 40 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP40U-50B-MS)	756.03	126.07
		For >50 To 100, Deduct	*-37.80*	
		For >100 To 250, Deduct	*-56.70*	
		For >250 To 500, Deduct	*-85.05*	
		For >500 To 1,000, Deduct	*-113.40*	
		For >1,000, Deduct	*-141.74*	
26 56 19 00-0025	EA	7,065 Lumens, 50 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP50U-50B-MS)	796.08	126.07
		For >50 To 100, Deduct	*-39.80*	
		For >100 To 250, Deduct	*-59.71*	
		For >250 To 500, Deduct	*-90.06*	
		For >500 To 1,000, Deduct	*-120.40*	
		For >1,000, Deduct	*-150.75*	
26 56 19 00-0026	EA	11,375 Lumens, 80 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP80U-50B-MS)	830.54	126.07
		For >50 To 100, Deduct	*-41.53*	
		For >100 To 250, Deduct	*-62.29*	
		For >250 To 500, Deduct	*-94.36*	
		For >500 To 1,000, Deduct	*-126.43*	
		For >1,000, Deduct	*-158.51*	
26 56 19 00-0027	EA	16,945 Lumens, 120 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP120U-50B-MS)	891.73	126.07
		For >50 To 100, Deduct	*-44.59*	
		For >100 To 250, Deduct	*-66.88*	
		For >250 To 500, Deduct	*-102.01*	
		For >500 To 1,000, Deduct	*-137.14*	
		For >1,000, Deduct	*-172.27*	
26 56 19 00-0028		**Wall Pack Accessories** *(26 56 19 00-0001)*		
26 56 19 00-0029	EA	Photocell For Wall Pack	143.49	31.52
26 56 19 00-0030	EA	Wire Guard For Mini And Small Wall Pack	160.31	31.52
26 56 19 00-0031	EA	Wire Guard For Medium And Large Wall Pack	230.65	31.52
26 56 19 00-0032	EA	Clear Polycarbonate Vandal Guard For Wall Packs	332.15	31.52
26 56 19 00-0033	EA	Full Cutoff Visor For Wall Pack	155.72	31.52
26 56 19 00-0034		**LED, Roadway Lighting** *(26 56 19)*		
26 56 19 00-0035		**LED Roadway Lighting (Philips Lumec)** *(26 56 19 00-0034)*		
26 56 19 00-0036		**Horizontal Tenon Mount, LED Cobra Head Street Lights (Philips Lumec GPL Series)** *(26 56 19 00-0035)* Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 570mA driver, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0037	EA	49 LEDs, 102 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLS Series)	1,489.41	168.26
		For >50 To 100, Deduct	*-74.47*	
		For >100 To 250, Deduct	*-111.71*	
		For >250 To 500, Deduct	*-177.76*	
		For >500 To 1,000, Deduct	*-243.82*	
		For >1,000, Deduct	*-309.88*	
26 56 19 00-0038	EA	98 LEDs, 204 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLM Series)	2,312.73	172.81
		For >50 To 100, Deduct	*-115.64*	
		For >100 To 250, Deduct	*-173.45*	
		For >250 To 500, Deduct	*-280.45*	
		For >500 To 1,000, Deduct	*-387.45*	
		For >1,000, Deduct	*-494.44*	
26 56 19 00-0039		**Horizontal Tenon Mount, LED Cobra Head Street Lights (Philips Lumec RFM Series)** *(26 56 19 00-0035)* Note: UL wet listed. Includes 3,000 to 4,000K color temperature, 120-277 voltage, up to 1050mA driver, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0040	EA	48 LEDs, 55 Watt, Type III Medium, 120-277 Volt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec RFM Series)	1,199.64	168.26
		For >50 To 100, Deduct	*-59.98*	
		For >100 To 250, Deduct	*-89.97*	
		For >250 To 500, Deduct	*-141.54*	
		For >500 To 1,000, Deduct	*-193.11*	
		For >1,000, Deduct	*-244.68*	
26 56 19 00-0041	EA	48 LEDs, 80 Watt, Type III Medium, 120-277 Volt, RoadFocus Roadway, LED Cobra Head Luminaire (Philips Lumec RFM Series)	1,285.95	168.26
		For >50 To 100, Deduct	*-64.30*	
		For >100 To 250, Deduct	*-96.45*	
		For >250 To 500, Deduct	*-152.33*	
		For >500 To 1,000, Deduct	*-208.22*	
		For >1,000, Deduct	*-264.10*	
26 56 19 00-0042	EA	48 LEDs, 108 Watt, Type III Medium, 120-277 Volt, RoadFocus Roadway, LED Cobra Head Luminaire (Philips Lumec RFM Series)	1,372.26	168.26
		For >50 To 100, Deduct	*-68.61*	
		For >100 To 250, Deduct	*-102.92*	
		For >250 To 500, Deduct	*-163.12*	
		For >500 To 1,000, Deduct	*-223.32*	
		For >1,000, Deduct	*-283.52*	

26 56 19 00-0043 LED Roadway Lighting (Lithonia) *(26 56 19 00-0034)*

26 56 19 00-0044 Horizontal Tenon Mount, LED Cobra Head Street Lights (Lithonia CSX1 Series) *(26 56 19 00-0043)*

Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 700mA driver, die-cast extruded aluminum housing assembly and bronze powder coat finish. Excludes sensors.

26 56 19 00-0045	EA	30 LEDs, 74 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series)	2,420.78	159.17
		For >50 To 100, Deduct	*-121.04*	
		For >100 To 250, Deduct	*-181.56*	
		For >250 To 500, Deduct	*-294.64*	
		For >500 To 1,000, Deduct	*-407.72*	
		For >1,000, Deduct	*-520.80*	
26 56 19 00-0046	EA	60 LEDs, 146 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series)	4,015.91	163.72
		For >50 To 100, Deduct	*-200.80*	
		For >100 To 250, Deduct	*-301.19*	
		For >250 To 500, Deduct	*-493.80*	
		For >500 To 1,000, Deduct	*-686.41*	
		For >1,000, Deduct	*-879.02*	

26 56 19 00-0047 LED Roadway Lighting (CREE® BetaLED®) *(26 56 19 00-0034)*

26 56 19 00-0048 Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® LEDway® STR-LWY) *(26 56 19 00-0047)*

Note: UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type II Medium, Type II Short or Type III Medium optic. Excludes sensors.

26 56 19 00-0049	EA	20 LEDs, 25 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	961.55	154.62
		For >50 To 100, Deduct	*-48.08*	
		For >100 To 250, Deduct	*-72.12*	
		For >250 To 500, Deduct	*-112.46*	
		For >500 To 1,000, Deduct	*-152.81*	
		For >1,000, Deduct	*-193.16*	
26 56 19 00-0050	EA	30 LEDs, 35 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,081.26	159.17
		For >50 To 100, Deduct	*-54.06*	
		For >100 To 250, Deduct	*-81.09*	
		For >250 To 500, Deduct	*-127.20*	
		For >500 To 1,000, Deduct	*-173.30*	
		For >1,000, Deduct	*-219.41*	
26 56 19 00-0051	EA	40 LEDs, 45 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,225.78	163.72
		For >50 To 100, Deduct	*-61.29*	
		For >100 To 250, Deduct	*-91.93*	
		For >250 To 500, Deduct	*-145.04*	
		For >500 To 1,000, Deduct	*-198.14*	
		For >1,000, Deduct	*-251.24*	
26 56 19 00-0052	EA	50 LEDs, 55 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,347.40	168.26
		For >50 To 100, Deduct	*-67.37*	
		For >100 To 250, Deduct	*-101.06*	
		For >250 To 500, Deduct	*-160.01*	
		For >500 To 1,000, Deduct	*-218.97*	
		For >1,000, Deduct	*-277.93*	
26 56 19 00-0053	EA	60 LEDs, 65 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,469.03	172.81
		For >50 To 100, Deduct	*-73.45*	
		For >100 To 250, Deduct	*-110.18*	
		For >250 To 500, Deduct	*-174.99*	
		For >500 To 1,000, Deduct	*-239.80*	
		For >1,000, Deduct	*-304.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0054	EA	70 LEDs, 75 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,758.50	177.35
		For >50 To 100, Deduct	*-87.93*	
		For >100 To 250, Deduct	*-131.89*	
		For >250 To 500, Deduct	*-210.94*	
		For >500 To 1,000, Deduct	*-290.00*	
		For >1,000, Deduct	*-369.06*	
26 56 19 00-0055	EA	80 LEDs, 86 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,880.13	181.90
		For >50 To 100, Deduct	*-94.01*	
		For >100 To 250, Deduct	*-141.01*	
		For >250 To 500, Deduct	*-225.92*	
		For >500 To 1,000, Deduct	*-310.83*	
		For >1,000, Deduct	*-395.74*	
26 56 19 00-0056	EA	90 LEDs, 96 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,999.86	186.45
		For >50 To 100, Deduct	*-99.99*	
		For >100 To 250, Deduct	*-149.99*	
		For >250 To 500, Deduct	*-240.66*	
		For >500 To 1,000, Deduct	*-331.33*	
		For >1,000, Deduct	*-422.00*	
26 56 19 00-0057	EA	100 LEDs, 111 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	2,234.00	191.00
		For >50 To 100, Deduct	*-111.70*	
		For >100 To 250, Deduct	*-167.55*	
		For >250 To 500, Deduct	*-269.70*	
		For >500 To 1,000, Deduct	*-371.85*	
		For >1,000, Deduct	*-474.00*	
26 56 19 00-0058	EA	110 LEDs, 122 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	2,355.63	195.55
		For >50 To 100, Deduct	*-117.78*	
		For >100 To 250, Deduct	*-176.67*	
		For >250 To 500, Deduct	*-284.68*	
		For >500 To 1,000, Deduct	*-392.68*	
		For >1,000, Deduct	*-500.69*	
26 56 19 00-0059	EA	120 LEDs, 133 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	2,477.27	200.09
		For >50 To 100, Deduct	*-123.86*	
		For >100 To 250, Deduct	*-185.80*	
		For >250 To 500, Deduct	*-299.65*	
		For >500 To 1,000, Deduct	*-413.51*	
		For >1,000, Deduct	*-527.37*	

26 56 19 00-0060 Surface Mount, LED Transportation Fixtures (CREE® BetaLED® Edge® TSP-EDG) *(26 56 19 00-0047)*

Note: Direct, cantenary or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0061	EA	40 LEDs, 47 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	1,921.95	163.72
		For Multi-Level Drive Currents, Add	*267.03*	
		For >50 To 100, Deduct	*-96.10*	
		For >100 To 250, Deduct	*-144.15*	
		For >250 To 500, Deduct	*-232.06*	
		For >500 To 1,000, Deduct	*-319.97*	
		For >1,000, Deduct	*-407.88*	
26 56 19 00-0062	EA	60 LEDs, 68 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	2,220.52	172.81
		For Multi-Level Drive Currents, Add	*267.03*	
		For >50 To 100, Deduct	*-111.03*	
		For >100 To 250, Deduct	*-166.54*	
		For >250 To 500, Deduct	*-268.92*	
		For >500 To 1,000, Deduct	*-371.31*	
		For >1,000, Deduct	*-473.70*	
26 56 19 00-0063	EA	80 LEDs, 90 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	2,519.09	181.90
		For Multi-Level Drive Currents, Add	*267.03*	
		For >50 To 100, Deduct	*-125.95*	
		For >100 To 250, Deduct	*-188.93*	
		For >250 To 500, Deduct	*-305.79*	
		For >500 To 1,000, Deduct	*-422.65*	
		For >1,000, Deduct	*-539.51*	
26 56 19 00-0064	EA	100 LEDs, 111 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	2,817.64	191.00
		For Multi-Level Drive Currents, Add	*267.03*	
		For >50 To 100, Deduct	*-140.88*	
		For >100 To 250, Deduct	*-211.32*	
		For >250 To 500, Deduct	*-342.66*	
		For >500 To 1,000, Deduct	*-473.99*	
		For >1,000, Deduct	*-605.32*	
26 56 19 00-0065	EA	120 LEDs, 132 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	3,711.31	200.09
		For Multi-Level Drive Currents, Add	*267.03*	
		For >50 To 100, Deduct	*-185.57*	
		For >100 To 250, Deduct	*-278.35*	
		For >250 To 500, Deduct	*-453.91*	
		For >500 To 1,000, Deduct	*-629.47*	
		For >1,000, Deduct	*-805.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0066	EA	140 LEDs, 157 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	4,009.87	209.19
		For Multi-Level Drive Currents, Add	*267.03*	
		For >50 To 100, Deduct	*-200.49*	
		For >100 To 250, Deduct	*-300.74*	
		For >250 To 500, Deduct	*-490.77*	
		For >500 To 1,000, Deduct	*-680.81*	
		For >1,000, Deduct	*-870.84*	
26 56 19 00-0067	EA	160 LEDs, 179 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	4,308.44	218.29
		For Multi-Level Drive Currents, Add	*267.03*	
		For >50 To 100, Deduct	*-215.42*	
		For >100 To 250, Deduct	*-323.13*	
		For >250 To 500, Deduct	*-527.64*	
		For >500 To 1,000, Deduct	*-732.15*	
		For >1,000, Deduct	*-936.66*	

26 56 19 00-0068 Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® XSP) *(26 56 19 00-0047)*

Note: UL wet listed. Includes 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0069	EA	4,806 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A)	797.47	163.72
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*22.49*	
		For Backlight Control Shield, Add	*37.64*	
		For Field Adjustable Output, Add	*33.75*	
		For Bird Spikes, Add	*58.88*	
		For Field Adjustable Output And Utility Label, Add	*44.99*	
		For Fuse, Add	*67.48*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*67.48*	
		For 480 Volt, Add	*101.23*	
		For Multi-Level, Add	*146.21*	
		For >50 To 100, Deduct	*-39.87*	
		For >100 To 250, Deduct	*-59.81*	
		For >250 To 500, Deduct	*-91.50*	
		For >500 To 1,000, Deduct	*-123.19*	
		For >1,000, Deduct	*-154.87*	
26 56 19 00-0070	EA	5,340 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A)	797.47	163.72
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*22.49*	
		For Backlight Control Shield, Add	*37.64*	
		For Field Adjustable Output, Add	*33.75*	
		For Bird Spikes, Add	*58.88*	
		For Field Adjustable Output And Utility Label, Add	*44.99*	
		For Fuse, Add	*67.48*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*67.48*	
		For 480 Volt, Add	*101.23*	
		For Multi-Level, Add	*146.21*	
		For >50 To 100, Deduct	*-39.87*	
		For >100 To 250, Deduct	*-59.81*	
		For >250 To 500, Deduct	*-91.50*	
		For >500 To 1,000, Deduct	*-123.19*	
		For >1,000, Deduct	*-154.87*	
26 56 19 00-0071	EA	8,407 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E)	882.50	163.72
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*22.49*	
		For Backlight Control Shield, Add	*37.64*	
		For Field Adjustable Output, Add	*33.75*	
		For Bird Spikes, Add	*58.88*	
		For Field Adjustable Output And Utility Label, Add	*44.99*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*67.48*	
		For 480 Volt, Add	*101.23*	
		For >50 To 100, Deduct	*-44.13*	
		For >100 To 250, Deduct	*-66.19*	
		For >250 To 500, Deduct	*-102.13*	
		For >500 To 1,000, Deduct	*-138.07*	
		For >1,000, Deduct	*-174.01*	
26 56 19 00-0072	EA	8,820 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E)	882.50	163.72
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*22.49*	
		For Backlight Control Shield, Add	*37.64*	
		For Field Adjustable Output, Add	*33.75*	
		For Bird Spikes, Add	*58.88*	
		For Field Adjustable Output And Utility Label, Add	*44.99*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*67.48*	
		For 480 Volt, Add	*101.23*	
		For >50 To 100, Deduct	*-44.13*	
		For >100 To 250, Deduct	*-66.19*	
		For >250 To 500, Deduct	*-102.13*	
		For >500 To 1,000, Deduct	*-138.07*	
		For >1,000, Deduct	*-174.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0073	EA	9,612 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B)	1,033.66	163.72
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*22.49*	
		For Field Adjustable Output, Add	*33.75*	
		For Backlight Control Shield, Add	*54.15*	
		For Field Adjustable Output And Utility Label, Add	*44.99*	
		For Fuse, Add	*67.48*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*67.48*	
		For Bird Spikes, Add	*96.69*	
		For 480 Volt, Add	*101.23*	
		For Multi-Level, Add	*146.21*	
		For >50 To 100, Deduct	*-51.68*	
		For >100 To 250, Deduct	*-77.52*	
		For >250 To 500, Deduct	*-121.02*	
		For >500 To 1,000, Deduct	*-164.52*	
		For >1,000, Deduct	*-208.02*	
26 56 19 00-0074	EA	10,680 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B)	1,033.66	163.72
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*22.49*	
		For Field Adjustable Output, Add	*33.75*	
		For Backlight Control Shield, Add	*54.15*	
		For Field Adjustable Output And Utility Label, Add	*44.99*	
		For Fuse, Add	*67.48*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*67.48*	
		For Bird Spikes, Add	*96.69*	
		For 480 Volt, Add	*101.23*	
		For Multi-Level, Add	*146.21*	
		For >50 To 100, Deduct	*-51.68*	
		For >100 To 250, Deduct	*-77.52*	
		For >250 To 500, Deduct	*-121.02*	
		For >500 To 1,000, Deduct	*-164.52*	
		For >1,000, Deduct	*-208.02*	
26 56 19 00-0075	EA	13,732 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F)	1,175.39	163.72
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*22.49*	
		For Field Adjustable Output, Add	*33.75*	
		For Backlight Control Shield, Add	*54.15*	
		For Field Adjustable Output And Utility Label, Add	*44.99*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*67.48*	
		For Bird Spikes, Add	*96.69*	
		For 480 Volt, Add	*101.23*	
		For >50 To 100, Deduct	*-58.77*	
		For >100 To 250, Deduct	*-88.15*	
		For >250 To 500, Deduct	*-138.74*	
		For >500 To 1,000, Deduct	*-189.32*	
		For >1,000, Deduct	*-239.91*	
26 56 19 00-0076	EA	14,408 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F)	1,175.39	163.72
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*22.49*	
		For Field Adjustable Output, Add	*33.75*	
		For Backlight Control Shield, Add	*54.15*	
		For Field Adjustable Output And Utility Label, Add	*44.99*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*67.48*	
		For Bird Spikes, Add	*96.69*	
		For 480 Volt, Add	*101.23*	
		For >50 To 100, Deduct	*-58.77*	
		For >100 To 250, Deduct	*-88.15*	
		For >250 To 500, Deduct	*-138.74*	
		For >500 To 1,000, Deduct	*-189.32*	
		For >1,000, Deduct	*-239.91*	
26 56 19 00-0077	EA	2,529 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-G)	646.30	163.72
		For Utility Label, Add	*11.24*	
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*22.49*	
		For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*33.75*	
		For 0 To 10 Volt Dimming, Add	*67.48*	
		For >50 To 100, Deduct	*-32.32*	
		For >100 To 250, Deduct	*-48.47*	
		For >250 To 500, Deduct	*-72.60*	
		For >500 To 1,000, Deduct	*-96.73*	
		For >1,000, Deduct	*-120.86*	
26 56 19 00-0078	EA	2,722 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-G)	646.30	163.72
		For Utility Label, Add	*11.24*	
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*22.49*	
		For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*33.75*	
		For 0 To 10 Volt Dimming, Add	*67.48*	
		For >50 To 100, Deduct	*-32.32*	
		For >100 To 250, Deduct	*-48.47*	
		For >250 To 500, Deduct	*-72.60*	
		For >500 To 1,000, Deduct	*-96.73*	
		For >1,000, Deduct	*-120.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0079	EA	3,819 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™BXSPR-A-O-X-X-C)	681.73	163.72
		For Utility Label, Add	*11.24*	
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*22.49*	
		For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*33.75*	
		For 0 To 10 Volt Dimming, Add	*67.48*	
		For >50 To 100, Deduct	*-34.09*	
		For >100 To 250, Deduct	*-51.13*	
		For >250 To 500, Deduct	*-77.03*	
		For >500 To 1,000, Deduct	*-102.93*	
		For >1,000, Deduct	*-128.83*	
26 56 19 00-0080	EA	4,109 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™BXSPR-A-O-X-X-C)	681.73	163.72
		For Utility Label, Add	*11.24*	
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*22.49*	
		For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*33.75*	
		For 0 To 10 Volt Dimming, Add	*67.48*	
		For >50 To 100, Deduct	*-34.09*	
		For >100 To 250, Deduct	*-51.13*	
		For >250 To 500, Deduct	*-77.03*	
		For >500 To 1,000, Deduct	*-102.93*	
		For >1,000, Deduct	*-128.83*	
26 56 19 00-0081	EA	4,548 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A)	693.54	163.72
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*22.49*	
		For Field Adjustable Output, Add	*33.75*	
		For Field Adjustable Output And Utility Label, Add	*44.99*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*67.48*	
		For 0 To 10 Volt Dimming, Add	*67.48*	
		For >50 To 100, Deduct	*-34.68*	
		For >100 To 250, Deduct	*-52.02*	
		For >250 To 500, Deduct	*-78.51*	
		For >500 To 1,000, Deduct	*-105.00*	
		For >1,000, Deduct	*-131.49*	
26 56 19 00-0082	EA	4,627 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A)	693.54	163.72
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*22.49*	
		For Field Adjustable Output, Add	*33.75*	
		For Field Adjustable Output And Utility Label, Add	*44.99*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*67.48*	
		For 0 To 10 Volt Dimming, Add	*67.48*	
		For >50 To 100, Deduct	*-34.68*	
		For >100 To 250, Deduct	*-52.02*	
		For >250 To 500, Deduct	*-78.51*	
		For >500 To 1,000, Deduct	*-105.00*	
		For >1,000, Deduct	*-131.49*	

26 56 19 00-0083 Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® RSW™)

(26 56 19 00-0047)

Note: UL wet listed. Includes 120-277 voltage, die-cast extruded aluminum housing assembly and gray powder coat finish. Includes utility label and NEMA® photocell receptacle. Excludes sensors.

26 56 19 00-0084	EA	3,300 Lumens, 3000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-XXX-30W-30K-UL-GY-N)	669.93	163.72
		For Field Adjustable Output, Add	*33.75*	
		For Backlight Control Shield, Add	*72.61*	
		For Bird Spikes, Add	*97.35*	
		For >50 To 100, Deduct	*-33.50*	
		For >100 To 250, Deduct	*-50.24*	
		For >250 To 500, Deduct	*-75.56*	
		For >500 To 1,000, Deduct	*-100.87*	
		For >1,000, Deduct	*-126.18*	
26 56 19 00-0085	EA	3,300 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-XXX-30W-40K-UL-GY-N)	669.93	163.72
		For Field Adjustable Output, Add	*33.75*	
		For Backlight Control Shield, Add	*72.61*	
		For Bird Spikes, Add	*97.35*	
		For >50 To 100, Deduct	*-33.50*	
		For >100 To 250, Deduct	*-50.24*	
		For >250 To 500, Deduct	*-75.56*	
		For >500 To 1,000, Deduct	*-100.87*	
		For >1,000, Deduct	*-126.18*	
26 56 19 00-0086	EA	5,000 Lumens, 3000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-2ME-50W-30K-UL-GY-N)	693.54	163.72
		For Field Adjustable Output, Add	*33.75*	
		For Backlight Control Shield, Add	*72.61*	
		For Bird Spikes, Add	*97.35*	
		For >50 To 100, Deduct	*-34.68*	
		For >100 To 250, Deduct	*-52.02*	
		For >250 To 500, Deduct	*-78.51*	
		For >500 To 1,000, Deduct	*-105.00*	
		For >1,000, Deduct	*-131.49*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 56 19 00-0087	EA	5,000 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-2ME-50W-40K-UL-GY-N)	693.54	163.72
			For Field Adjustable Output, Add	*33.75*	
			For Backlight Control Shield, Add	*72.61*	
			For Bird Spikes, Add	*97.35*	
			For >50 To 100, Deduct	*-34.68*	
			For >100 To 250, Deduct	*-52.02*	
			For >250 To 500, Deduct	*-78.51*	
			For >500 To 1,000, Deduct	*-105.00*	
			For >1,000, Deduct	*-131.49*	

26 56 19 00-0088 LED Roadway Lighting (Cooper Lighting) *(26 56 19 00-0034)*

26 56 19 00-0089 Horizontal Tenon Mount, LED Roadway Fixtures (Cooper Lighting Streetworks NVN™) *(26 56 19 00-0088)*

Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.

	26 56 19 00-0090	EA	1 LED Light Square, 51 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA)	1,050.42	163.72
			For >50 To 100, Deduct	*-52.52*	
			For >100 To 250, Deduct	*-78.78*	
			For >250 To 500, Deduct	*-123.12*	
			For >500 To 1,000, Deduct	*-167.45*	
			For >1,000, Deduct	*-211.79*	
	26 56 19 00-0091	EA	2 LED Light Squares, 103 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA)	1,429.11	181.90
			For >50 To 100, Deduct	*-71.46*	
			For >100 To 250, Deduct	*-107.18*	
			For >250 To 500, Deduct	*-169.54*	
			For >500 To 1,000, Deduct	*-231.90*	
			For >1,000, Deduct	*-294.26*	
	26 56 19 00-0092	EA	3 LED Light Squares, 154 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA)	1,531.04	209.19
			For >50 To 100, Deduct	*-76.55*	
			For >100 To 250, Deduct	*-114.83*	
			For >250 To 500, Deduct	*-180.92*	
			For >500 To 1,000, Deduct	*-247.01*	
			For >1,000, Deduct	*-313.11*	
	26 56 19 00-0093	EA	4 LED Light Squares, 206 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA)	2,289.30	227.37
			For >50 To 100, Deduct	*-114.47*	
			For >100 To 250, Deduct	*-171.70*	
			For >250 To 500, Deduct	*-274.79*	
			For >500 To 1,000, Deduct	*-377.89*	
			For >1,000, Deduct	*-480.99*	
	26 56 19 00-0094	EA	6 LED Light Squares, 309 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA)	3,007.83	258.86
			For >50 To 100, Deduct	*-150.39*	
			For >100 To 250, Deduct	*-225.59*	
			For >250 To 500, Deduct	*-363.04*	
			For >500 To 1,000, Deduct	*-500.48*	
			For >1,000, Deduct	*-637.93*	

26 56 19 00-0095 LED Roadway Lighting (PlanLED) *(26 56 19 00-0034)*

26 56 19 00-0096 Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera HERA) *(26 56 19 00-0095)*

Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.

	26 56 19 00-0097	EA	8,500 Lumens, 85 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 85W)	1,267.46	159.17
			For >50 To 100, Deduct	*-63.37*	
			For >100 To 250, Deduct	*-95.06*	
			For >250 To 500, Deduct	*-150.47*	
			For >500 To 1,000, Deduct	*-205.89*	
			For >1,000, Deduct	*-261.30*	
	26 56 19 00-0098	EA	11,000 Lumens, 110 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 110W)	1,380.31	160.92
			For >50 To 100, Deduct	*-69.02*	
			For >100 To 250, Deduct	*-103.52*	
			For >250 To 500, Deduct	*-164.49*	
			For >500 To 1,000, Deduct	*-225.46*	
			For >1,000, Deduct	*-286.43*	
	26 56 19 00-0099	EA	15,000 Lumens, 150 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 150W)	1,469.01	163.72
			For >50 To 100, Deduct	*-73.45*	
			For >100 To 250, Deduct	*-110.18*	
			For >250 To 500, Deduct	*-175.44*	
			For >500 To 1,000, Deduct	*-240.71*	
			For >1,000, Deduct	*-305.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 56 19 00-0100 Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera SETA) *(26 56 19 00-0095)*

Note: UL wet listed. Includes 3,000K, 3,500K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.

26 56 19 00-0101	EA	7,200 Lumens, 60 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET060)	828.93	155.32
		For >50 To 100, Deduct	*-41.45*	
		For >100 To 250, Deduct	*-62.17*	
		For >250 To 500, Deduct	*-95.85*	
		For >500 To 1,000, Deduct	*-129.53*	
		For >1,000, Deduct	*-163.21*	
26 56 19 00-0102	EA	10,000 Lumens, 80 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET080)	889.21	158.12
		For >50 To 100, Deduct	*-44.46*	
		For >100 To 250, Deduct	*-66.69*	
		For >250 To 500, Deduct	*-103.25*	
		For >500 To 1,000, Deduct	*-139.80*	
		For >1,000, Deduct	*-176.36*	
26 56 19 00-0103	EA	12,500 Lumens, 100 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET100)	984.47	160.92
		For >50 To 100, Deduct	*-49.22*	
		For >100 To 250, Deduct	*-73.84*	
		For >250 To 500, Deduct	*-115.01*	
		For >500 To 1,000, Deduct	*-156.19*	
		For >1,000, Deduct	*-197.37*	

26 56 19 00-0104 Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera META) *(26 56 19 00-0095)*

Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.

26 56 19 00-0105	EA	13,000 Lumens, 100 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT100)	1,047.89	160.92
		For 0 To 10 Volt Dimming, Add	*94.53*	
		For 480 Volt, Add	*94.53*	
		For >50 To 100, Deduct	*-52.39*	
		For >100 To 250, Deduct	*-78.59*	
		For >250 To 500, Deduct	*-122.94*	
		For >500 To 1,000, Deduct	*-167.29*	
		For >1,000, Deduct	*-211.64*	
26 56 19 00-0106	EA	16,900 Lumens, 130 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT130)	1,164.41	162.31
		For 0 To 10 Volt Dimming, Add	*94.53*	
		For 480 Volt, Add	*28.56*	
		For >50 To 100, Deduct	*-58.22*	
		For >100 To 250, Deduct	*-87.33*	
		For >250 To 500, Deduct	*-137.44*	
		For >500 To 1,000, Deduct	*-187.54*	
		For >1,000, Deduct	*-237.65*	
26 56 19 00-0107	EA	19,500 Lumens, 150 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT150)	1,254.69	163.72
		For 0 To 10 Volt Dimming, Add	*94.53*	
		For 480 Volt, Add	*118.07*	
		For >50 To 100, Deduct	*-62.73*	
		For >100 To 250, Deduct	*-94.10*	
		For >250 To 500, Deduct	*-148.65*	
		For >500 To 1,000, Deduct	*-203.20*	
		For >1,000, Deduct	*-257.75*	

26 56 19 00-0108 LED Roadway Lighting (General Electric) *(26 56 19 00-0034)*

26 56 19 00-0109 Horizontal Tenon Mount, LED Cobra Head Street Lights (General Electric) *(26 56 19 00-0108)*

Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black or gray powder coat finish. Excludes sensors.

26 56 19 00-0110	EA	2,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS1 0 AXBX 3 40 7 GRAY D) (DLC Certified)	1,003.08	181.90
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-50.15*	
		For >100 To 250, Deduct	*-75.23*	
		For >250 To 500, Deduct	*-116.29*	
		For >500 To 1,000, Deduct	*-157.35*	
		For >1,000, Deduct	*-198.41*	
26 56 19 00-0111	EA	2,600 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS1 0 2XBX 7 40 7 GRAY D) (DLC Certified)	977.97	181.90
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-48.90*	
		For >100 To 250, Deduct	*-73.35*	
		For >250 To 500, Deduct	*-113.15*	
		For >500 To 1,000, Deduct	*-152.95*	
		For >1,000, Deduct	*-192.76*	
26 56 19 00-0112	EA	4,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS1 0 BXCX 5 40 7 GRAY D) (DLC Certified)	1,028.20	181.90
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-51.41*	
		For >100 To 250, Deduct	*-77.12*	
		For >250 To 500, Deduct	*-119.43*	
		For >500 To 1,000, Deduct	*-161.74*	
		For >1,000, Deduct	*-204.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0113	EA	6,600 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS1 0 CXBX 7 40 7 GRAY D) (DLC Certified)	1,199.43	181.90
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-59.97*	
		For >100 To 250, Deduct	*-89.96*	
		For >250 To 500, Deduct	*-140.83*	
		For >500 To 1,000, Deduct	*-191.71*	
		For >1,000, Deduct	*-242.59*	
26 56 19 00-0114	EA	10,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS2 0 HXCX 5 40 7 GRAY D) (DLC Certified)	1,452.86	181.90
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-72.64*	
		For >100 To 250, Deduct	*-108.96*	
		For >250 To 500, Deduct	*-172.51*	
		For >500 To 1,000, Deduct	*-236.06*	
		For >1,000, Deduct	*-299.61*	
26 56 19 00-0115	EA	13,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS2 0 HXCX 7 40 7 GRAY D) (DLC Certified)	1,452.86	181.90
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-72.64*	
		For >100 To 250, Deduct	*-108.96*	
		For >250 To 500, Deduct	*-172.51*	
		For >500 To 1,000, Deduct	*-236.06*	
		For >1,000, Deduct	*-299.61*	
26 56 19 00-0116	EA	20,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS4 0 TXCX 5 40 7 GRAY D) (DLC Certified)	2,532.77	181.90
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-126.64*	
		For >100 To 250, Deduct	*-189.96*	
		For >250 To 500, Deduct	*-307.50*	
		For >500 To 1,000, Deduct	*-425.04*	
		For >1,000, Deduct	*-542.59*	
26 56 19 00-0117	EA	2,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERX1 0 2XBX 7 40 7 GRAY D) (DLC Certified)	840.98	181.90
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-42.05*	
		For >100 To 250, Deduct	*-63.07*	
		For >250 To 500, Deduct	*-96.03*	
		For >500 To 1,000, Deduct	*-128.98*	
		For >1,000, Deduct	*-161.93*	
26 56 19 00-0118	EA	4,100 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERX1 0 AXCX 7 40 7 GRAY D) (DLC Certified)	891.21	181.90
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-44.56*	
		For >100 To 250, Deduct	*-66.84*	
		For >250 To 500, Deduct	*-102.31*	
		For >500 To 1,000, Deduct	*-137.77*	
		For >1,000, Deduct	*-173.24*	
26 56 19 00-0119	EA	7,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS1 0 BXBX 1 40 7 GRAY D) (DLC Certified)	1,039.61	181.90
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-51.98*	
		For >100 To 250, Deduct	*-77.97*	
		For >250 To 500, Deduct	*-120.86*	
		For >500 To 1,000, Deduct	*-163.74*	
		For >1,000, Deduct	*-206.63*	
26 56 19 00-0120	EA	11,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS2 0 DXCX 1 40 7 GRAY D) (DLC Certified)	1,327.29	181.90
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-66.36*	
		For >100 To 250, Deduct	*-99.55*	
		For >250 To 500, Deduct	*-156.82*	
		For >500 To 1,000, Deduct	*-214.09*	
		For >1,000, Deduct	*-271.35*	
26 56 19 00-0121	EA	13,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS2 0 EXCX 1 40 7 GRAY D) (DLC Certified)	1,363.82	181.90
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-68.19*	
		For >100 To 250, Deduct	*-102.29*	
		For >250 To 500, Deduct	*-161.38*	
		For >500 To 1,000, Deduct	*-220.48*	
		For >1,000, Deduct	*-279.57*	
26 56 19 00-0122	EA	2,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 02XX 40 A GRAY)	628.66	154.62
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-31.43*	
		For >100 To 250, Deduct	*-47.15*	
		For >250 To 500, Deduct	*-70.85*	
		For >500 To 1,000, Deduct	*-94.55*	
		For >1,000, Deduct	*-118.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0123	EA	3,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 03XX 40 A GRAY)	632.85	156.72
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-31.64*	
		For >100 To 250, Deduct	*-47.46*	
		For >250 To 500, Deduct	*-71.27*	
		For >500 To 1,000, Deduct	*-95.08*	
		For >1,000, Deduct	*-118.88*	
26 56 19 00-0124	EA	4,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 04XX 40 A GRAY)	659.84	159.17
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-32.99*	
		For >100 To 250, Deduct	*-49.49*	
		For >250 To 500, Deduct	*-74.52*	
		For >500 To 1,000, Deduct	*-99.56*	
		For >1,000, Deduct	*-124.59*	
26 56 19 00-0125	EA	5,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 05XX 40 A GRAY)	687.45	160.92
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-34.37*	
		For >100 To 250, Deduct	*-51.56*	
		For >250 To 500, Deduct	*-77.89*	
		For >500 To 1,000, Deduct	*-104.21*	
		For >1,000, Deduct	*-130.54*	
26 56 19 00-0126	EA	7,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 07XX 40 A GRAY)	760.74	164.41
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-38.04*	
		For >100 To 250, Deduct	*-57.06*	
		For >250 To 500, Deduct	*-86.87*	
		For >500 To 1,000, Deduct	*-116.69*	
		For >1,000, Deduct	*-146.50*	
26 56 19 00-0127	EA	8,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 08XX 40 A GRAY)	799.70	165.81
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-39.99*	
		For >100 To 250, Deduct	*-59.98*	
		For >250 To 500, Deduct	*-91.67*	
		For >500 To 1,000, Deduct	*-123.37*	
		For >1,000, Deduct	*-155.06*	
26 56 19 00-0128	EA	9,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 10XX 40 A GRAY)	872.90	168.26
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-43.65*	
		For >100 To 250, Deduct	*-65.47*	
		For >250 To 500, Deduct	*-100.70*	
		For >500 To 1,000, Deduct	*-135.93*	
		For >1,000, Deduct	*-171.16*	
26 56 19 00-0129	EA	13,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERLH 0 13XX 40 A GRAY)	1,028.65	172.81
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-51.43*	
		For >100 To 250, Deduct	*-77.15*	
		For >250 To 500, Deduct	*-119.94*	
		For >500 To 1,000, Deduct	*-162.73*	
		For >1,000, Deduct	*-205.52*	
26 56 19 00-0130	EA	19,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL2 0 19XX 40 A GRAY)	1,207.55	181.90
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-60.38*	
		For >100 To 250, Deduct	*-90.57*	
		For >250 To 500, Deduct	*-141.85*	
		For >500 To 1,000, Deduct	*-193.13*	
		For >1,000, Deduct	*-244.41*	

26 56 19 00-0131 LED Roadway Lighting (Acuity AEL Autobahn) *(26 56 19 00-0034)*

26 56 19 00-0132 Horizontal Tenon Mount, LED Cobra Head Street Lights (Acuity AEL Autobahn) *(26 56 19 00-0131)*

Note: UL wet listed. Includes 4,000K or 5,000K color temperature, 120-480 voltage, integral 10kV surge suppression, 0-10V dimming, die-cast extruded aluminum housing assembly and white, black, gray, graphite or bronze powder coat finish. Excludes sensors.

26 56 19 00-0133	EA	4,500 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0)	899.30	159.17
		For >50 To 100, Deduct	*-44.97*	
		For >100 To 250, Deduct	*-67.45*	
		For >250 To 500, Deduct	*-104.45*	
		For >500 To 1,000, Deduct	*-141.46*	
		For >1,000, Deduct	*-178.47*	
26 56 19 00-0134	EA	9,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0)	1,117.17	159.17
		For >50 To 100, Deduct	*-55.86*	
		For >100 To 250, Deduct	*-83.79*	
		For >250 To 500, Deduct	*-131.69*	
		For >500 To 1,000, Deduct	*-179.59*	
		For >1,000, Deduct	*-227.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0135	EA	12,600 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2)	1,175.67	159.17
		For >50 To 100, Deduct	*-58.78*	
		For >100 To 250, Deduct	*-88.18*	
		For >250 To 500, Deduct	*-139.00*	
		For >500 To 1,000, Deduct	*-189.83*	
		For >1,000, Deduct	*-240.65*	
26 56 19 00-0136	EA	4,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 20ALEDE70)	1,228.15	159.17
		For >50 To 100, Deduct	*-61.41*	
		For >100 To 250, Deduct	*-92.11*	
		For >250 To 500, Deduct	*-145.56*	
		For >500 To 1,000, Deduct	*-199.01*	
		For >1,000, Deduct	*-252.46*	
26 56 19 00-0137	EA	6,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 30BLEDE70)	1,529.01	163.72
		For >50 To 100, Deduct	*-76.45*	
		For >100 To 250, Deduct	*-114.68*	
		For >250 To 500, Deduct	*-182.94*	
		For >500 To 1,000, Deduct	*-251.21*	
		For >1,000, Deduct	*-319.47*	
26 56 19 00-0138	EA	9,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 40BLEDE70)	2,139.04	168.26
		For >50 To 100, Deduct	*-106.95*	
		For >100 To 250, Deduct	*-160.43*	
		For >250 To 500, Deduct	*-258.97*	
		For >500 To 1,000, Deduct	*-357.51*	
		For >1,000, Deduct	*-456.05*	
26 56 19 00-0139	EA	13,500 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 60BLEDE70)	2,753.11	174.91
		For >50 To 100, Deduct	*-137.66*	
		For >100 To 250, Deduct	*-206.48*	
		For >250 To 500, Deduct	*-335.39*	
		For >500 To 1,000, Deduct	*-464.30*	
		For >1,000, Deduct	*-593.21*	
26 56 19 00-0140	EA	17,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 80BLEDE70)	3,353.43	179.81
		For >50 To 100, Deduct	*-167.67*	
		For >100 To 250, Deduct	*-251.51*	
		For >250 To 500, Deduct	*-410.19*	
		For >500 To 1,000, Deduct	*-568.87*	
		For >1,000, Deduct	*-727.55*	

26 56 19 00-0141 LED Roadway Lighting (Leotek) *(26 56 19 00-0034)*

26 56 19 00-0142 Horizontal Tenon Mount, LED Cobra Head Street Lights (Leotek) *(26 56 19 00-0141)*

Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, integral surge protector, die-cast and extruded aluminum housing assembly and gray powder coat finish. Excludes sensors.

26 56 19 00-0143	EA	Up To 3,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-4M2-MV-NW-X-GY-XXX-WL)	643.17	159.17
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-32.16*	
		For >100 To 250, Deduct	*-48.24*	
		For >250 To 500, Deduct	*-72.44*	
		For >500 To 1,000, Deduct	*-96.64*	
		For >1,000, Deduct	*-120.84*	
26 56 19 00-0144	EA	Up To 5,150 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-4M2-MV-NW-X-GY-1AMP-WL)	657.22	160.92
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-32.86*	
		For >100 To 250, Deduct	*-49.29*	
		For >250 To 500, Deduct	*-74.11*	
		For >500 To 1,000, Deduct	*-98.92*	
		For >1,000, Deduct	*-123.74*	
26 56 19 00-0145	EA	Up To 5,950 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-6M2-MV-NW-X-GY-XXX-WL)	701.49	161.97
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-35.07*	
		For >100 To 250, Deduct	*-52.61*	
		For >250 To 500, Deduct	*-79.59*	
		For >500 To 1,000, Deduct	*-106.56*	
		For >1,000, Deduct	*-133.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0146	EA	Up To 9,550 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC3-10M2-MV-NW-X-GY-XXX-WL)	815.34	168.26
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-40.77*	
		For >100 To 250, Deduct	*-61.15*	
		For >250 To 500, Deduct	*-93.50*	
		For >500 To 1,000, Deduct	*-125.86*	
		For >1,000, Deduct	*-158.21*	
26 56 19 00-0147	EA	Up To 11,450 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC4-12M2-MV-NW-X-GY-XXX-WL)	955.22	172.81
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-47.76*	
		For >100 To 250, Deduct	*-71.64*	
		For >250 To 500, Deduct	*-110.76*	
		For >500 To 1,000, Deduct	*-149.88*	
		For >1,000, Deduct	*-189.00*	
26 56 19 00-0148	EA	Up To 14,550 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC4-15M2-MV-NW-X-GY-XXX-WL)	960.82	175.60
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-48.04*	
		For >100 To 250, Deduct	*-72.06*	
		For >250 To 500, Deduct	*-111.32*	
		For >500 To 1,000, Deduct	*-150.58*	
		For >1,000, Deduct	*-189.84*	
26 56 19 00-0149	EA	Up To 16,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-18M2-MV-NW-X-GY-XXX-WL)	1,179.45	178.40
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-58.97*	
		For >100 To 250, Deduct	*-88.46*	
		For >250 To 500, Deduct	*-138.51*	
		For >500 To 1,000, Deduct	*-188.56*	
		For >1,000, Deduct	*-238.62*	
26 56 19 00-0150	EA	Up To 18,750 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-20M2-MV-NW-X-GY-XXX-WL)	1,237.08	181.90
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-61.85*	
		For >100 To 250, Deduct	*-92.78*	
		For >250 To 500, Deduct	*-145.54*	
		For >500 To 1,000, Deduct	*-198.30*	
		For >1,000, Deduct	*-251.06*	
26 56 19 00-0151	EA	Up To 22,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-24M2-MV-NW-X-GY-XXX-WL)	1,381.90	184.70
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-69.10*	
		For >100 To 250, Deduct	*-103.64*	
		For >250 To 500, Deduct	*-163.50*	
		For >500 To 1,000, Deduct	*-223.36*	
		For >1,000, Deduct	*-283.22*	
26 56 19 00-0152	EA	Up To 29,150 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC9-30M2-MV-NW-X-GY-XXX-WL)	1,482.41	187.50
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-74.12*	
		For >100 To 250, Deduct	*-111.18*	
		For >250 To 500, Deduct	*-175.93*	
		For >500 To 1,000, Deduct	*-240.67*	
		For >1,000, Deduct	*-305.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0153	EA	Up To 4,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-20F-MV-NW-X-GY-XXX-WL)	745.81	160.92
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-37.29*	
		For >100 To 250, Deduct	*-55.94*	
		For >250 To 500, Deduct	*-85.18*	
		For >500 To 1,000, Deduct	*-114.43*	
		For >1,000, Deduct	*-143.67*	
26 56 19 00-0154	EA	Up To 7,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-30F-MV-NW-X-GY-XXX-WL)	819.59	165.11
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-40.98*	
		For >100 To 250, Deduct	*-61.47*	
		For >250 To 500, Deduct	*-94.19*	
		For >500 To 1,000, Deduct	*-126.92*	
		For >1,000, Deduct	*-159.64*	
26 56 19 00-0155	EA	Up To 9,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-40F-MV-NW-X-GY-XXX-WL)	884.95	168.26
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-44.25*	
		For >100 To 250, Deduct	*-66.37*	
		For >250 To 500, Deduct	*-102.21*	
		For >500 To 1,000, Deduct	*-138.04*	
		For >1,000, Deduct	*-173.87*	
26 56 19 00-0156	EA	Up To 12,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-40F-MV-NW-X-GY-1AMP-WL)	941.16	172.11
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-47.06*	
		For >100 To 250, Deduct	*-70.59*	
		For >250 To 500, Deduct	*-109.04*	
		For >500 To 1,000, Deduct	*-147.49*	
		For >1,000, Deduct	*-185.94*	
26 56 19 00-0157	EA	Up To 13,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-60F-MV-NW-X-GY-XXX-WL)	998.81	173.51
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-49.94*	
		For >100 To 250, Deduct	*-74.91*	
		For >250 To 500, Deduct	*-116.18*	
		For >500 To 1,000, Deduct	*-157.44*	
		For >1,000, Deduct	*-198.71*	
26 56 19 00-0158	EA	Up To 17,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-80F-MV-NW-X-GY-XXX-WL)	1,190.68	179.81
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-59.53*	
		For >100 To 250, Deduct	*-89.30*	
		For >250 To 500, Deduct	*-139.85*	
		For >500 To 1,000, Deduct	*-190.39*	
		For >1,000, Deduct	*-240.93*	
26 56 19 00-0159	EA	Up To 19,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-90F-MV-NW-X-GY-XXX-WL)	1,347.46	183.30
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-67.37*	
		For >100 To 250, Deduct	*-101.06*	
		For >250 To 500, Deduct	*-159.27*	
		For >500 To 1,000, Deduct	*-217.48*	
		For >1,000, Deduct	*-275.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0160	EA	Up To 22,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-100F-MV-NW-X-GY-XXX-WL)	1,433.22	184.00
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-71.66*	
		For >100 To 250, Deduct	*-107.49*	
		For >250 To 500, Deduct	*-169.95*	
		For >500 To 1,000, Deduct	*-232.41*	
		For >1,000, Deduct	*-294.87*	
26 56 19 00-0161	EA	Up To 26,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-120F-MV-NW-X-GY-XXX-WL)	1,515.46	186.10
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-75.77*	
		For >100 To 250, Deduct	*-113.66*	
		For >250 To 500, Deduct	*-180.13*	
		For >500 To 1,000, Deduct	*-246.60*	
		For >1,000, Deduct	*-313.06*	
26 56 19 00-0162	EA	Up To 11,720 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCM2-30H-MV-NW-X-GY-1AMP)	800.51	175.60
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-40.03*	
		For >100 To 250, Deduct	*-60.04*	
		For >250 To 500, Deduct	*-91.28*	
		For >500 To 1,000, Deduct	*-122.53*	
		For >1,000, Deduct	*-153.77*	
26 56 19 00-0163	EA	Up To 15,430 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCM2-40H-MV-NW-X-GY-1AMP)	867.28	177.35
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-43.36*	
		For >100 To 250, Deduct	*-65.05*	
		For >250 To 500, Deduct	*-99.54*	
		For >500 To 1,000, Deduct	*-134.04*	
		For >1,000, Deduct	*-168.53*	
26 56 19 00-0164	EA	Up To 4,180 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ0-15H-MV-NW-X-GY-XXX-WL)	614.33	160.56
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-30.72*	
		For >100 To 250, Deduct	*-46.07*	
		For >250 To 500, Deduct	*-68.76*	
		For >500 To 1,000, Deduct	*-91.45*	
		For >1,000, Deduct	*-114.14*	
26 56 19 00-0165	EA	Up To 5,510 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ1-20H-MV-NW-X-GY-XXX-WL)	625.56	161.97
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-31.28*	
		For >100 To 250, Deduct	*-46.92*	
		For >250 To 500, Deduct	*-70.10*	
		For >500 To 1,000, Deduct	*-93.28*	
		For >1,000, Deduct	*-116.46*	
26 56 19 00-0166	EA	Up To 7,430 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ2-20H-MV-NW-X-GY-1AMP-WL)	680.37	165.11
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-34.02*	
		For >100 To 250, Deduct	*-51.03*	
		For >250 To 500, Deduct	*-76.79*	
		For >500 To 1,000, Deduct	*-102.55*	
		For >1,000, Deduct	*-128.32*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0167	EA	Up To 16,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL1-60G-MV-NW-X-GY-XXX-WL)	1,050.78	178.40
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-52.54*	
		For >100 To 250, Deduct	*-78.81*	
		For >250 To 500, Deduct	*-122.43*	
		For >500 To 1,000, Deduct	*-166.05*	
		For >1,000, Deduct	*-209.66*	
26 56 19 00-0168	EA	Up To 22,100 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL1-80G-MV-NW-X-GY-XXX-WL)	1,374.16	184.00
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-68.71*	
		For >100 To 250, Deduct	*-103.06*	
		For >250 To 500, Deduct	*-162.57*	
		For >500 To 1,000, Deduct	*-222.08*	
		For >1,000, Deduct	*-281.59*	
26 56 19 00-0169	EA	Up To 22,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL2-60G-MV-NW-X-GY-1AMP-WL)	1,223.69	184.70
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-61.18*	
		For >100 To 250, Deduct	*-91.78*	
		For >250 To 500, Deduct	*-143.73*	
		For >500 To 1,000, Deduct	*-195.68*	
		For >1,000, Deduct	*-247.62*	
26 56 19 00-0170	EA	Up To 5,484 Lumens, Horizontal Tenon Mount, LED Security Light (Leotek® SafeGuard™ SG1-01-MV-NW-5-GY)	589.72	160.92
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-29.49*	
		For >100 To 250, Deduct	*-44.23*	
		For >250 To 500, Deduct	*-65.67*	
		For >500 To 1,000, Deduct	*-87.11*	
		For >1,000, Deduct	*-108.55*	

26 56 19 00-0171 LED, Area Fixtures *(26 56 19)*

26 56 19 00-0172 Pole Mount, LED Area Fixtures *(26 56 19 00-0171)*

26 56 19 00-0173 Pole Mount, Rectangular, LED Architectural Area Fixtures (Lithonia DSX) *(26 56 19 00-0172)*

Note: UL wet listed. Includes 4,000K color temperature, 480 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.

26 56 19 00-0174	EA	20 LEDs, 49 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED)	2,497.18	118.94
		For >50 To 100, Deduct	*-124.86*	
		For >100 To 250, Deduct	*-187.29*	
		For >250 To 500, Deduct	*-306.20*	
		For >500 To 1,000, Deduct	*-425.11*	
		For >1,000, Deduct	*-544.02*	
26 56 19 00-0175	EA	40 LEDs, 89 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED)	2,691.92	125.93
		For >50 To 100, Deduct	*-134.60*	
		For >100 To 250, Deduct	*-201.89*	
		For >250 To 500, Deduct	*-330.19*	
		For >500 To 1,000, Deduct	*-458.49*	
		For >1,000, Deduct	*-586.79*	
26 56 19 00-0176	EA	80 LEDs, 188 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED)	2,900.64	139.92
		For >50 To 100, Deduct	*-145.03*	
		For >100 To 250, Deduct	*-217.55*	
		For >250 To 500, Deduct	*-355.58*	
		For >500 To 1,000, Deduct	*-493.62*	
		For >1,000, Deduct	*-631.66*	
26 56 19 00-0177	EA	100 LEDs, 218 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED)	2,914.63	146.93
		For >50 To 100, Deduct	*-145.73*	
		For >100 To 250, Deduct	*-218.60*	
		For >250 To 500, Deduct	*-356.98*	
		For >500 To 1,000, Deduct	*-495.37*	
		For >1,000, Deduct	*-633.75*	

26 56 19 00-0178 Arm Mount, Rectangular, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDG) *(26 56 19 00-0172)*

Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type III Medium optic. Excludes sensors. All fixtures without the backlight control shield are DLC qualified

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0179	EA	40 LEDs, 47 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	1,419.15	125.93
		For 480 Volt, Add	*111.02*	
		For Backlight Shielding, Add	*26.70*	
		For Type II Medium Optic, Add	*44.65*	
		For Multi-Level Drive Currents, Add	*267.03*	
		For >50 To 100, Deduct	*-70.96*	
		For >100 To 250, Deduct	*-106.44*	
		For >250 To 500, Deduct	*-171.10*	
		For >500 To 1,000, Deduct	*-235.76*	
		For >1,000, Deduct	*-300.42*	
26 56 19 00-0180	EA	60 LEDs, 68 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	1,713.52	132.93
		For 480 Volt, Add	*111.02*	
		For Backlight Shielding, Add	*26.70*	
		For Type II Medium Optic, Add	*45.35*	
		For Multi-Level Drive Currents, Add	*267.03*	
		For >50 To 100, Deduct	*-85.68*	
		For >100 To 250, Deduct	*-128.51*	
		For >250 To 500, Deduct	*-207.54*	
		For >500 To 1,000, Deduct	*-286.57*	
		For >1,000, Deduct	*-365.60*	
26 56 19 00-0181	EA	80 LEDs, 90 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	2,120.42	139.92
		For 480 Volt, Add	*111.02*	
		For Backlight Shielding, Add	*26.70*	
		For Type II Medium Optic, Add	*46.05*	
		For Multi-Level Drive Currents, Add	*267.03*	
		For >50 To 100, Deduct	*-106.02*	
		For >100 To 250, Deduct	*-159.03*	
		For >250 To 500, Deduct	*-258.06*	
		For >500 To 1,000, Deduct	*-357.08*	
		For >1,000, Deduct	*-456.11*	
26 56 19 00-0182	EA	100 LEDs, 111 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	2,414.79	146.93
		For 480 Volt, Add	*111.02*	
		For Backlight Shielding, Add	*26.70*	
		For Type II Medium Optic, Add	*46.75*	
		For Multi-Level Drive Currents, Add	*267.03*	
		For >50 To 100, Deduct	*-120.74*	
		For >100 To 250, Deduct	*-181.11*	
		For >250 To 500, Deduct	*-294.50*	
		For >500 To 1,000, Deduct	*-407.90*	
		For >1,000, Deduct	*-521.29*	
26 56 19 00-0183	EA	120 LEDs, 132 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	2,709.15	153.92
		For 480 Volt, Add	*111.02*	
		For Backlight Shielding, Add	*26.70*	
		For Type II Medium Optic, Add	*47.45*	
		For Multi-Level Drive Currents, Add	*267.03*	
		For >50 To 100, Deduct	*-135.46*	
		For >100 To 250, Deduct	*-203.19*	
		For >250 To 500, Deduct	*-330.95*	
		For >500 To 1,000, Deduct	*-458.71*	
		For >1,000, Deduct	*-586.47*	
26 56 19 00-0184	EA	140 LEDs, 157 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	3,093.17	160.92
		For 480 Volt, Add	*111.02*	
		For Backlight Shielding, Add	*26.70*	
		For Type II Medium Optic, Add	*48.15*	
		For Multi-Level Drive Currents, Add	*267.03*	
		For >50 To 100, Deduct	*-154.66*	
		For >100 To 250, Deduct	*-231.99*	
		For >250 To 500, Deduct	*-378.60*	
		For >500 To 1,000, Deduct	*-525.21*	
		For >1,000, Deduct	*-671.83*	
26 56 19 00-0185	EA	160 LEDs, 179 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	3,387.54	167.91
		For 480 Volt, Add	*111.02*	
		For Backlight Shielding, Add	*26.70*	
		For Type II Medium Optic, Add	*48.85*	
		For Multi-Level Drive Currents, Add	*267.03*	
		For >50 To 100, Deduct	*-169.38*	
		For >100 To 250, Deduct	*-254.07*	
		For >250 To 500, Deduct	*-415.05*	
		For >500 To 1,000, Deduct	*-576.03*	
		For >1,000, Deduct	*-737.01*	

26 56 19 00-0186 Direct Or Arm Mount, Rectangular, High Output, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EHO) *(26 56 19 00-0172)*

Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0187	EA	120 LEDs, 267 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO)	2,502.13	153.92
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*22.49*	
		For Bird Spikes, Add	*50.83*	
		For 5,000K Color Temperature, Add	*56.24*	
		For Fuse, Add	*67.48*	
		For 0 To 10 Volt Dimming, Add	*67.48*	
		For 480 Volt, Add	*101.23*	
		For Multi-Level, Add	*146.21*	
		For 1,000mA Driver, Add	*188.98*	
		For >50 To 100, Deduct	*-125.11*	
		For >100 To 250, Deduct	*-187.66*	
		For >250 To 500, Deduct	*-305.07*	
		For >500 To 1,000, Deduct	*-422.48*	
		For >1,000, Deduct	*-539.89*	
26 56 19 00-0188	EA	240 LEDs, 533 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO)	4,225.52	188.90
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*22.49*	
		For 5,000K Color Temperature, Add	*56.24*	
		For Fuse, Add	*67.48*	
		For 0 To 10 Volt Dimming, Add	*67.48*	
		For Bird Spikes, Add	*75.59*	
		For Multi-Level, Add	*146.21*	
		For 1,000mA Driver, Add	*188.96*	
		For 480 Volt, Add	*202.45*	
		For >50 To 100, Deduct	*-211.28*	
		For >100 To 250, Deduct	*-316.91*	
		For >250 To 500, Deduct	*-518.75*	
		For >500 To 1,000, Deduct	*-720.58*	
		For >1,000, Deduct	*-922.41*	

26 56 19 00-0189 Wall Mount, LED Area Fixtures *(26 56 19 00-0171)*

26 56 19 00-0190 Wall Mount, LED Architectural Area Fixtures (Lithonia DSXW) *(26 56 19 00-0189)*

Note: UL wet listed. Includes 277 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.

26 56 19 00-0191	EA	20 LEDs, 47 Watt, 4000K CCT, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED)	1,107.26	118.94
		For >50 To 100, Deduct	*-55.36*	
		For >100 To 250, Deduct	*-83.04*	
		For >250 To 500, Deduct	*-132.46*	
		For >500 To 1,000, Deduct	*-181.88*	
		For >1,000, Deduct	*-231.29*	
26 56 19 00-0192	EA	30 LEDs, 71 Watt, 4000K CCT, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED)	1,135.24	132.93
		For >50 To 100, Deduct	*-56.76*	
		For >100 To 250, Deduct	*-85.14*	
		For >250 To 500, Deduct	*-135.26*	
		For >500 To 1,000, Deduct	*-185.37*	
		For >1,000, Deduct	*-235.49*	

26 56 19 00-0193 Surface Mount, LED Parking Structure Fixtures *(26 56 19 00-0171)*

26 56 19 00-0194 Surface Mount, Rectangular, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-EDG) *(26 56 19 00-0193)*

Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0195	EA	40 LEDs, 47 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	1,251.31	125.93
		For Multi-Level Drive Currents, Add	*267.03*	
		For >50 To 100, Deduct	*-62.57*	
		For >100 To 250, Deduct	*-93.85*	
		For >250 To 500, Deduct	*-150.12*	
		For >500 To 1,000, Deduct	*-206.39*	
		For >1,000, Deduct	*-262.65*	
26 56 19 00-0196	EA	60 LEDs, 68 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	1,545.68	132.93
		For Multi-Level Drive Currents, Add	*267.03*	
		For >50 To 100, Deduct	*-77.28*	
		For >100 To 250, Deduct	*-115.93*	
		For >250 To 500, Deduct	*-186.56*	
		For >500 To 1,000, Deduct	*-257.20*	
		For >1,000, Deduct	*-327.84*	
26 56 19 00-0197	EA	80 LEDs, 90 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	1,840.04	139.92
		For Multi-Level Drive Currents, Add	*267.03*	
		For >50 To 100, Deduct	*-92.00*	
		For >100 To 250, Deduct	*-138.00*	
		For >250 To 500, Deduct	*-223.01*	
		For >500 To 1,000, Deduct	*-308.01*	
		For >1,000, Deduct	*-393.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0198	EA	100 LEDs, 111 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	2,134.41	146.93
		For Multi-Level Drive Currents, Add	*267.03*	
		For >50 To 100, Deduct	*-106.72*	
		For >100 To 250, Deduct	*-160.08*	
		For >250 To 500, Deduct	*-259.46*	
		For >500 To 1,000, Deduct	*-358.83*	
		For >1,000, Deduct	*-458.20*	

26 56 19 00-0199 Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-304) *(26 56 19 00-0193)*

Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0200	EA	40 LEDs, 47 Watt, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304)	1,205.53	125.93
		For Multi-Level Drive Currents, Add	*267.03*	
		For >50 To 100, Deduct	*-60.28*	
		For >100 To 250, Deduct	*-90.41*	
		For >250 To 500, Deduct	*-144.39*	
		For >500 To 1,000, Deduct	*-198.37*	
		For >1,000, Deduct	*-252.35*	
26 56 19 00-0201	EA	60 LEDs, 68 Watt, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304)	1,332.05	132.93
		For Multi-Level Drive Currents, Add	*267.03*	
		For >50 To 100, Deduct	*-66.60*	
		For >100 To 250, Deduct	*-99.90*	
		For >250 To 500, Deduct	*-159.86*	
		For >500 To 1,000, Deduct	*-219.82*	
		For >1,000, Deduct	*-279.77*	

26 56 19 00-0202 Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VG) *(26 56 19 00-0193)*

Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0203	EA	3,700 Lumens, 50 Watt, Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VGADM5MA40KUL)	1,032.61	125.93
		For >50 To 100, Deduct	*-51.63*	
		For >100 To 250, Deduct	*-77.45*	
		For >250 To 500, Deduct	*-122.78*	
		For >500 To 1,000, Deduct	*-168.11*	
		For >1,000, Deduct	*-213.45*	

26 56 19 00-0204 Surface Mount, Rectangular, LED Parking Structure Fixtures (Philips Gardco ELG) *(26 56 19 00-0193)*

Note: Direct or pendant mount. UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and aluminum finish. Excludes sensors.

26 56 19 00-0205	EA	70 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG)	2,056.48	132.93
		For >50 To 100, Deduct	*-102.82*	
		For >100 To 250, Deduct	*-154.24*	
		For >250 To 500, Deduct	*-250.41*	
		For >500 To 1,000, Deduct	*-346.59*	
		For >1,000, Deduct	*-442.77*	
26 56 19 00-0206	EA	110 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG)	2,084.46	146.93
		For >50 To 100, Deduct	*-104.22*	
		For >100 To 250, Deduct	*-156.33*	
		For >250 To 500, Deduct	*-253.21*	
		For >500 To 1,000, Deduct	*-350.09*	
		For >1,000, Deduct	*-446.97*	

26 56 19 00-0207 Surface Mount, LED Canopy Fixtures *(26 56 19 00-0171)*

26 56 19 00-0208 Surface Mount, Rectangular, LED Canopy Fixtures (CREE® BetaLED® Edge® CAN-EDG) *(26 56 19 00-0207)*

Note: Direct or pendant mount. UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0209	EA	40 LEDs, 47 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	1,453.48	125.93
		For Multi-Level Drive Currents, Add	*267.03*	
		For >50 To 100, Deduct	*-72.67*	
		For >100 To 250, Deduct	*-109.01*	
		For >250 To 500, Deduct	*-175.39*	
		For >500 To 1,000, Deduct	*-241.77*	
		For >1,000, Deduct	*-308.14*	
26 56 19 00-0210	EA	60 LEDs, 68 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	1,747.85	132.93
		For Multi-Level Drive Currents, Add	*267.03*	
		For >50 To 100, Deduct	*-87.39*	
		For >100 To 250, Deduct	*-131.09*	
		For >250 To 500, Deduct	*-211.83*	
		For >500 To 1,000, Deduct	*-292.58*	
		For >1,000, Deduct	*-373.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0211	EA	80 LEDs, 90 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	2,042.22	139.92
		For Multi-Level Drive Currents, Add	*267.03*	
		For >50 To 100, Deduct	*-102.11*	
		For >100 To 250, Deduct	*-153.17*	
		For >250 To 500, Deduct	*-248.28*	
		For >500 To 1,000, Deduct	*-343.40*	
		For >1,000, Deduct	*-438.51*	
26 56 19 00-0212	EA	100 LEDs, 111 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	2,336.59	146.93
		For Multi-Level Drive Currents, Add	*267.03*	
		For >50 To 100, Deduct	*-116.83*	
		For >100 To 250, Deduct	*-175.24*	
		For >250 To 500, Deduct	*-284.73*	
		For >500 To 1,000, Deduct	*-394.21*	
		For >1,000, Deduct	*-503.69*	
26 56 19 00-0213	EA	120 LEDs, 132 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	2,630.95	153.92
		For Multi-Level Drive Currents, Add	*267.03*	
		For >50 To 100, Deduct	*-131.55*	
		For >100 To 250, Deduct	*-197.32*	
		For >250 To 500, Deduct	*-321.17*	
		For >500 To 1,000, Deduct	*-445.02*	
		For >1,000, Deduct	*-568.88*	
26 56 19 00-0214	EA	140 LEDs, 157 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	3,037.86	160.92
		For Multi-Level Drive Currents, Add	*267.03*	
		For >50 To 100, Deduct	*-151.89*	
		For >100 To 250, Deduct	*-227.84*	
		For >250 To 500, Deduct	*-371.69*	
		For >500 To 1,000, Deduct	*-515.53*	
		For >1,000, Deduct	*-659.38*	
26 56 19 00-0215	EA	160 LEDs, 179 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	3,332.23	167.91
		For Multi-Level Drive Currents, Add	*267.03*	
		For >50 To 100, Deduct	*-166.61*	
		For >100 To 250, Deduct	*-249.92*	
		For >250 To 500, Deduct	*-408.13*	
		For >500 To 1,000, Deduct	*-566.35*	
		For >1,000, Deduct	*-724.57*	
26 56 19 00-0216	EA	200 LEDs, 221 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	3,920.97	181.90
		For Multi-Level Drive Currents, Add	*267.03*	
		For >50 To 100, Deduct	*-196.05*	
		For >100 To 250, Deduct	*-294.07*	
		For >250 To 500, Deduct	*-481.03*	
		For >500 To 1,000, Deduct	*-667.98*	
		For >1,000, Deduct	*-854.93*	
26 56 19 00-0217	EA	240 LEDs, 264 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	4,495.71	188.90
		For Multi-Level Drive Currents, Add	*267.03*	
		For >50 To 100, Deduct	*-224.79*	
		For >100 To 250, Deduct	*-337.18*	
		For >250 To 500, Deduct	*-552.52*	
		For >500 To 1,000, Deduct	*-767.86*	
		For >1,000, Deduct	*-983.20*	

26 56 19 00-0218 Surface Mount, Square, LED Canopy/Soffit Fixtures (CREE® BetaLED® CPY250) *(26 56 19 00-0207)*

Note: UL wet listed. Includes 5,700K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0219	EA	8,000 Lumens, 82 Watt, Surface Mount, Square, LED Canopy/Soffit Fixture (CREE® BetaLED® CPY250)	998.91	139.92
		For >50 To 100, Deduct	*-49.95*	
		For >100 To 250, Deduct	*-74.92*	
		For >250 To 500, Deduct	*-117.87*	
		For >500 To 1,000, Deduct	*-160.82*	
		For >1,000, Deduct	*-203.77*	

26 56 19 00-0220 Recessed Mount, LED Soffit Fixtures *(26 56 19 00-0171)*

26 56 19 00-0221 Recessed Mount, Square, LED Soffit Fixtures (CREE® BetaLED® SFT-304) *(26 56 19 00-0220)*

Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0222	EA	40 LEDs, 47 Watt, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304)	1,228.42	125.93
		For >50 To 100, Deduct	*-61.42*	
		For >100 To 250, Deduct	*-92.13*	
		For >250 To 500, Deduct	*-147.26*	
		For >500 To 1,000, Deduct	*-202.38*	
		For >1,000, Deduct	*-257.50*	
26 56 19 00-0223	EA	60 LEDs, 68 Watt, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304)	1,354.94	132.93
		For >50 To 100, Deduct	*-67.75*	
		For >100 To 250, Deduct	*-101.62*	
		For >250 To 500, Deduct	*-162.72*	
		For >500 To 1,000, Deduct	*-223.82*	
		For >1,000, Deduct	*-284.92*	

26 56 19 00-0224 Surface Mount, LED Area Fixtures *(26 56 19 00-0171)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 56 19 00-0225 Surface Mount, Square, LED Multi-Purpose Area Fixtures (LSI Industries® Crossover® XPG) *(26 56 19 00-0224)*

Note: UL wet listed. Includes 5,300K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black or silver powder coat finish. Excludes sensors.

26 56 19 00-0226	EA	50 LEDs, 59 Watt, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG)	667.10	125.93
		For >50 To 100, Deduct	*-33.36*	
		For >100 To 250, Deduct	*-50.03*	
		For >250 To 500, Deduct	*-77.09*	
		For >500 To 1,000, Deduct	*-104.15*	
		For >1,000, Deduct	*-131.21*	
26 56 19 00-0227	EA	50 LEDs, 59 Watt, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG)	1,497.61	125.93
		For >50 To 100, Deduct	*-74.88*	
		For >100 To 250, Deduct	*-112.32*	
		For >250 To 500, Deduct	*-180.90*	
		For >500 To 1,000, Deduct	*-249.49*	
		For >1,000, Deduct	*-318.07*	
26 56 19 00-0228	EA	68 LEDs, 79 Watt, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG)	1,243.79	139.92
		For >50 To 100, Deduct	*-62.19*	
		For >100 To 250, Deduct	*-93.28*	
		For >250 To 500, Deduct	*-148.48*	
		For >500 To 1,000, Deduct	*-203.67*	
		For >1,000, Deduct	*-258.86*	
26 56 19 00-0229	EA	68 LEDs, 79 Watt, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG)	1,541.24	139.92
		For >50 To 100, Deduct	*-77.06*	
		For >100 To 250, Deduct	*-115.59*	
		For >250 To 500, Deduct	*-185.66*	
		For >500 To 1,000, Deduct	*-255.72*	
		For >1,000, Deduct	*-325.79*	

26 56 19 00-0230 Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour®) *(26 56 19 00-0224)*

Note: Wall, inverted, post, bollard, floodlight trunnion, or floodlight knuckle mount. UL wet listed. Includes 5,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white or bronze powder coat finish. Excludes sensors.

26 56 19 00-0231	EA	13 Watt, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR1A)	215.70	45.39
		For Knuckle Mount Or Trunnion Mount Base, Add	*45.00*	
		For >50 To 100, Deduct	*-10.79*	
		For >100 To 250, Deduct	*-16.18*	
		For >250 To 500, Deduct	*-25.07*	
		For >500 To 1,000, Deduct	*-33.97*	
		For >1,000, Deduct	*-42.86*	
26 56 19 00-0232	EA	20 Watt, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR2A)	245.40	45.39
		For Knuckle Mount Or Trunnion Mount Base, Add	*45.00*	
		For >50 To 100, Deduct	*-12.27*	
		For >100 To 250, Deduct	*-18.41*	
		For >250 To 500, Deduct	*-28.78*	
		For >500 To 1,000, Deduct	*-39.16*	
		For >1,000, Deduct	*-49.54*	
26 56 19 00-0233	EA	30 Watt, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR3A)	302.00	45.39
		For Knuckle Mount Or Trunnion Mount Base, Add	*45.00*	
		For >50 To 100, Deduct	*-15.10*	
		For >100 To 250, Deduct	*-22.65*	
		For >250 To 500, Deduct	*-35.86*	
		For >500 To 1,000, Deduct	*-49.07*	
		For >1,000, Deduct	*-62.28*	

26 56 19 00-0234 Surface Mount, LED Multi-Purpose Area Fixture (Designplan LED VIM) *(26 56 19 00-0224)*

Note: Includes 4,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and black, white or silver powder coat finish. Excludes sensors.

26 56 19 00-0235	EA	20 Watt, Surface Mount, LED Multi-Purpose Area Fixture With Integral Battery Backup (Designplan LED VIM)	2,953.03	45.39
		For >50 To 100, Deduct	*-147.65*	
		For >100 To 250, Deduct	*-221.48*	
		For >250 To 500, Deduct	*-367.24*	
		For >500 To 1,000, Deduct	*-513.00*	
		For >1,000, Deduct	*-658.76*	

26 56 19 00-0236 Surface Mount, LED Facade Fixtures *(26 56 19 00-0171)*

26 56 19 00-0237 Surface Mount, LED Facade Fixtures (lumenpulse™ lumenfacade™) *(26 56 19 00-0236)*

26 56 19 00-0238	EA	12" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	782.66	52.98
		For >50 To 100, Deduct	*-39.13*	
		For >100 To 250, Deduct	*-58.70*	
		For >250 To 500, Deduct	*-95.82*	
		For >500 To 1,000, Deduct	*-132.93*	
		For >1,000, Deduct	*-170.05*	
26 56 19 00-0239	EA	24" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	1,277.45	48.38
		For >50 To 100, Deduct	*-63.87*	
		For >100 To 250, Deduct	*-95.81*	
		For >250 To 500, Deduct	*-157.95*	
		For >500 To 1,000, Deduct	*-220.10*	
		For >1,000, Deduct	*-282.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0240	EA	36" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	1,632.49	40.31
		For >50 To 100, Deduct	*-81.62*	
		For >100 To 250, Deduct	*-122.44*	
		For >250 To 500, Deduct	*-202.62*	
		For >500 To 1,000, Deduct	*-282.81*	
		For >1,000, Deduct	*-362.99*	
26 56 19 00-0241	EA	48" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	1,987.50	32.25
		For >50 To 100, Deduct	*-99.38*	
		For >100 To 250, Deduct	*-149.06*	
		For >250 To 500, Deduct	*-247.29*	
		For >500 To 1,000, Deduct	*-345.51*	
		For >1,000, Deduct	*-443.73*	

26 56 19 00-0242 Post Top, LED Area Fixtures *(26 56 19 00-0171)*

26 56 19 00-0243 Post Top, LED Area Fixtures (Cooper Lighting Invue® MSA) *(26 56 19 00-0242)*

Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 350mA remote driver, die-cast extruded aluminum housing assembly and white, black, grey, dark platinum, graphite metallic or bronze powder coat finish. Excludes sensors.

26 56 19 00-0244	EA	1,800 Lumens, 27 Watt, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO1)	2,186.43	192.40
		For >50 To 100, Deduct	*-109.32*	
		For >100 To 250, Deduct	*-163.98*	
		For >250 To 500, Deduct	*-263.68*	
		For >500 To 1,000, Deduct	*-363.39*	
		For >1,000, Deduct	*-463.09*	
26 56 19 00-0245	EA	3,400 Lumens, 54 Watt, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO2)	2,416.31	192.40
		For >50 To 100, Deduct	*-120.82*	
		For >100 To 250, Deduct	*-181.22*	
		For >250 To 500, Deduct	*-292.42*	
		For >500 To 1,000, Deduct	*-403.61*	
		For >1,000, Deduct	*-514.81*	
26 56 19 00-0246	EA	77 Watt, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO3)	2,598.02	192.40
		For >50 To 100, Deduct	*-129.90*	
		For >100 To 250, Deduct	*-194.85*	
		For >250 To 500, Deduct	*-315.13*	
		For >500 To 1,000, Deduct	*-435.41*	
		For >1,000, Deduct	*-555.70*	

26 56 19 00-0247 Post Top, LED Area Fixtures (General Electric EPAS) *(26 56 19 00-0242)*

Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black, green or bronze powder coat finish. Includes photocontrol sensor.

26 56 19 00-0248	EA	3,200 Lumens, 45 Watt, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 E5/E3)	2,580.62	192.40
		For >50 To 100, Deduct	*-129.03*	
		For >100 To 250, Deduct	*-193.55*	
		For >250 To 500, Deduct	*-312.96*	
		For >500 To 1,000, Deduct	*-432.37*	
		For >1,000, Deduct	*-551.78*	
26 56 19 00-0249	EA	6,515 Lumens, 80 Watt, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 C5/C3)	2,639.68	192.40
		For >50 To 100, Deduct	*-131.98*	
		For >100 To 250, Deduct	*-197.98*	
		For >250 To 500, Deduct	*-320.34*	
		For >500 To 1,000, Deduct	*-442.70*	
		For >1,000, Deduct	*-565.07*	

26 56 19 00-0250 Post Top, LED Area Fixtures (General Electric EPTC) *(26 56 19 00-0242)*

Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black, gray or dark bronze powder coat finish. Includes photocontrol sensor.

26 56 19 00-0251	EA	3,200 Lumens, 45 Watt, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC 0 E5/E3)	1,780.98	192.40
		For >50 To 100, Deduct	*-89.05*	
		For >100 To 250, Deduct	*-133.57*	
		For >250 To 500, Deduct	*-213.00*	
		For >500 To 1,000, Deduct	*-292.43*	
		For >1,000, Deduct	*-371.86*	
26 56 19 00-0252	EA	6,150 Lumens, 80 Watt, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC 0 C5/C3)	1,869.37	192.40
		For >50 To 100, Deduct	*-93.47*	
		For >100 To 250, Deduct	*-140.20*	
		For >250 To 500, Deduct	*-224.05*	
		For >500 To 1,000, Deduct	*-307.90*	
		For >1,000, Deduct	*-391.75*	

26 56 19 00-0253 Post Top, LED Area Fixtures (General Electric EPST) *(26 56 19 00-0242)*

Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black or dark bronze powder coat finish. Includes photocontrol sensor.

26 56 19 00-0254	EA	3,135 Lumens, 45 Watt, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST 0 E5/E3)	1,379.20	192.40
		For >50 To 100, Deduct	*-68.96*	
		For >100 To 250, Deduct	*-103.44*	
		For >250 To 500, Deduct	*-162.78*	
		For >500 To 1,000, Deduct	*-222.12*	
		For >1,000, Deduct	*-281.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0255	EA	6,115 Lumens, 80 Watt, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST 0 C5/C3)	1,467.59	192.40
		For >50 To 100, Deduct	*-73.38*	
		For >100 To 250, Deduct	*-110.07*	
		For >250 To 500, Deduct	*-173.83*	
		For >500 To 1,000, Deduct	*-237.59*	
		For >1,000, Deduct	*-301.35*	

26 56 19 00-0256 Post Top, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDR) *(26 56 19 00-0242)*

Note: UL wet listed. Includes 4,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type V Medium optic. Excludes sensors.

26 56 19 00-0257	EA	13,800 Lumens, 130 Watt, Post Top Mount, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDR)	3,291.55	192.40
		For >50 To 100, Deduct	*-164.58*	
		For >100 To 250, Deduct	*-246.87*	
		For >250 To 500, Deduct	*-401.82*	
		For >500 To 1,000, Deduct	*-556.78*	
		For >1,000, Deduct	*-711.74*	

26 56 19 00-0258 LED Retrofit For Post Top, Traditional Area Fixtures (CREE® BetaLED® BXRA) *(26 56 19 00-0242)*

Note: Includes 2,700K or 4,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.

26 56 19 00-0259	EA	LED Retrofit For Post Top, Holophane® Utility Granville Acorn Area Fixtures (CREE® BetaLED® BXRAAH53)	906.69	104.95
		For 0 To 10 Volt Dimming, Add	*67.48*	
		For >50 To 100, Deduct	*-45.33*	
		For >100 To 250, Deduct	*-68.00*	
		For >250 To 500, Deduct	*-108.09*	
		For >500 To 1,000, Deduct	*-148.18*	
		For >1,000, Deduct	*-188.26*	

26 56 19 00-0260 LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT) *(26 56 19 00-0242)*

Note: Includes 3,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.

26 56 19 00-0261	EA	LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT)	571.41	22.39
		For Backlight Control Shield, Add	*44.63*	
		For >50 To 100, Deduct	*-28.57*	
		For >100 To 250, Deduct	*-42.86*	
		For >250 To 500, Deduct	*-69.19*	
		For >500 To 1,000, Deduct	*-95.52*	
		For >1,000, Deduct	*-121.85*	

26 56 19 00-0262 Surface Mount, LED Strip Fixtures (Sylvania) *(26 56 19 00-0171)*

26 56 19 00-0263	EA	4' Long, 5,200 Lumens, 40 Watt, Vapor Tight Dimmable LED Fixture (Sylvania VAPOR1B/040UNVD840/48EC/GR/D)	540.57	42.15
		For >50 To 100, Deduct	*-27.03*	
		For >100 To 250, Deduct	*-40.54*	
		For >250 To 500, Deduct	*-65.99*	
		For >500 To 1,000, Deduct	*-91.43*	
		For >1,000, Deduct	*-116.88*	

26 56 21 HID Exterior Lighting *(26 56)*

26 56 21 00-0001 High Mast Fixtures *(26 56 21)*

26 56 21 00-0002 Metal Halide, High Mast Fixtures *(26 56 21 00-0001)*

26 56 21 00-0003	EA	400 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	1,985.77	173.14
26 56 21 00-0004	EA	400 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	2,122.24	173.14
26 56 21 00-0005	EA	750 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	2,104.18	197.79
26 56 21 00-0006	EA	750 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	2,186.06	197.79
26 56 21 00-0007	EA	1,000 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	2,211.05	247.24
26 56 21 00-0008	EA	1,000 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	2,292.94	247.24

26 56 21 00-0009 High Pressure Sodium, High Mast Fixtures *(26 56 21 00-0001)*

26 56 21 00-0010	EA	400 W High Mast HPS Fixture (VA 25 Type V) As Manufactured By Metrolux	2,051.25	173.14
26 56 21 00-0011	EA	400 W High Mast HPS Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	2,133.13	173.14
26 56 21 00-0012	EA	600 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	2,483.36	183.02
26 56 21 00-0013	EA	750 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	2,544.08	197.79
26 56 21 00-0014	EA	1,000 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	2,691.89	247.24

26 56 21 00-0015 HID, Pole Mounted *(26 56 21)*

26 56 21 00-0016 Metal Halide, Pole Mounted *(26 56 21 00-0015)*

26 56 21 00-0017	EA	175 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	717.62	282.31
26 56 21 00-0018	EA	250 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	807.35	306.45
26 56 21 00-0019	EA	400 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	941.09	329.65

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 21 00-0020	EA	1,000 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	1,194.26	386.35
26 56 21 00-0021		**High Pressure Sodium, Pole Mounted** *(26 56 21 00-0015)*		
26 56 21 00-0022	EA	100 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	847.51	329.65
26 56 21 00-0023	EA	150 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	872.97	329.65
26 56 21 00-0024	EA	175 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	913.35	329.65
26 56 21 00-0025	EA	250 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	1,020.53	329.65
26 56 21 00-0026	EA	400 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	1,177.89	329.65
26 56 21 00-0027	EA	1,000 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	1,149.12	329.65
26 56 21 00-0028		**Low Pressure Sodium, Pole Mounted** *(26 56 21 00-0015)*		
26 56 21 00-0029	EA	135 Watt Low Pressure Sodium Exterior Roadway Fixture, Enclosed And Gasketed	733.28	179.33
26 56 21 00-0030	EA	135 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed	795.05	263.72
26 56 21 00-0031	EA	180 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed	936.53	263.72
26 56 21 00-0032		**Metal Halide, Area Fixtures** *(26 56 21)*		
26 56 21 00-0033		**Metal Halide, Pole Mount, Area Fixtures** *(26 56 21 00-0032)* Note: Includes pulse start ballast.		
26 56 21 00-0034	EA	150 Watt, Metal Halide Area Fixture, Pole Mount	1,181.21	174.23
26 56 21 00-0035	EA	175 Watt, Metal Halide Area Fixture, Pole Mount	1,296.20	191.65
26 56 21 00-0036	EA	250 Watt, Metal Halide Area Fixture, Pole Mount	1,433.83	209.07
26 56 21 00-0037	EA	400 Watt, Metal Halide Area Fixture, Pole Mount	1,513.68	243.93
26 56 21 00-0038		**High Pressure Sodium, Area Fixtures** *(26 56 21)*		
26 56 21 00-0039		**Pole Mount, High Pressure Sodium Area Fixtures** *(26 56 21 00-0038)*		
26 56 21 00-0040	EA	100 Watt, High Pressure Sodium Area Fixture, Pole Mount	981.96	139.39
26 56 21 00-0041	EA	150 Watt, High Pressure Sodium Area Fixture, Pole Mount	1,065.99	174.23
26 56 21 00-0042	EA	250 Watt, High Pressure Sodium Area Fixture, Pole Mount	1,153.86	209.07
26 56 21 00-0043	EA	400 Watt, High Pressure Sodium Area Fixture, Pole Mount	1,213.66	243.93
26 56 21 00-0044		**Surface Mounted, Rectangular Exterior Area Fixture** *(26 56 21)*		
26 56 21 00-0045		**Metal Halide, Surface Mounted, Rectangular Exterior Area Fixture** *(26 56 21 00-0044)*		
26 56 21 00-0046	EA	175 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	675.12	263.72
26 56 21 00-0047	EA	250 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	768.21	296.68
26 56 21 00-0048	EA	400 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	919.43	329.65
26 56 21 00-0049	EA	1,000 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	1,174.12	386.35
26 56 21 00-0050		**High Pressure Sodium, Surface Mounted, Rectangular Exterior Area Fixture** *(26 56 21 00-0044)*		
26 56 21 00-0051	EA	70 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro)	647.65	225.48
26 56 21 00-0052	EA	100 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro)	703.40	239.99
26 56 21 00-0053	EA	150 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro)	757.73	253.17
26 56 21 00-0054	EA	175 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	783.10	263.72
26 56 21 00-0055	EA	250 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	869.04	296.68
26 56 21 00-0056	EA	400 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	937.26	329.65
26 56 21 00-0057	EA	1,000 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	1,292.75	386.35
26 56 21 00-0058		**Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures** *(26 56 21)*		
26 56 21 00-0059		**High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures** *(26 56 21 00-0058)* Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 21 00-0060	EA	35 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	829.23	178.01
26 56 21 00-0061	EA	50 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	859.31	197.79
26 56 21 00-0062	EA	70 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	917.52	225.48
26 56 21 00-0063	EA	100 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	942.43	239.99
26 56 21 00-0064	EA	150 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	968.13	253.17
26 56 21 00-0065	EA	175 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,014.47	263.72
26 56 21 00-0066	EA	250 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,111.98	296.68
26 56 21 00-0067	EA	400 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,352.68	329.65
26 56 21 00-0068		**Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures** *(26 56 21 00-0058)* Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 21 00-0069	EA	50 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	912.87	197.79
26 56 21 00-0070	EA	70 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	962.90	225.48

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 21 00-0071	EA	100 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	995.49	239.99
26 56 21 00-0072	EA	150 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,037.46	253.17
26 56 21 00-0073	EA	175 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,059.88	263.72
26 56 21 00-0074	EA	250 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,159.70	296.68
26 56 21 00-0075	EA	400 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,479.64	329.65
26 56 21 00-0076		**Wall Packs** *(26 56 21)*		
26 56 21 00-0077		**Non-Cutoff, Polycarbonate Lens, Mini Wall Packs** *(26 56 21 00-0076)*		
		Note: Polycarbonate body and aluminum reflector. 11" x 6-1/2" x 5-1/4". Lithonia TWS.		
26 56 21 00-0078	EA	13 Watt Compact Fluorescent, Non-Cutoff, Polycarbonate Lens, Mini Wall Pack	378.21	63.03
26 56 21 00-0079	EA	50 Watt Metal Halide, Non-Cutoff, Polycarbonate Lens, Mini Wall Pack	405.99	63.03
26 56 21 00-0080	EA	35 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Mini Wall Pack	405.99	63.03
26 56 21 00-0081	EA	70 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Mini Wall Pack	540.69	63.03
26 56 21 00-0082		**Semi-Cutoff, Polycarbonate Lens, Mini Wall Packs** *(26 56 21 00-0076)*		
		Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWA.		
26 56 21 00-0083	EA	42 Watt Compact Fluorescent, Semi-Cutoff, Polycarbonate Lens, Mini Wall Pack	758.11	63.03
26 56 21 00-0084	EA	50 Watt Metal Halide, Semi-Cutoff, Polycarbonate Lens, Mini Wall Pack	768.11	63.03
26 56 21 00-0085	EA	70 Watt Metal Halide, Semi-Cutoff, Polycarbonate Lens, Mini Wall Pack	776.75	63.03
26 56 21 00-0086	EA	100 Watt Metal Halide, Semi-Cutoff, Polycarbonate Lens, Mini Wall Pack	760.99	63.03
26 56 21 00-0087	EA	70 Watt High Pressure Sodium, Semi-Cutoff, Polycarbonate Lens, Mini Wall Pack	696.16	63.03
26 56 21 00-0088	EA	100 Watt High Pressure Sodium, Semi-Cutoff, Polycarbonate Lens, Mini Wall Pack	660.56	63.03
26 56 21 00-0089		**Cutoff, Polycarbonate Lens, Mini Wall Packs** *(26 56 21 00-0076)*		
		Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWAC.		
26 56 21 00-0090	EA	50 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	799.12	63.03
26 56 21 00-0091	EA	70 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	808.23	63.03
26 56 21 00-0092	EA	100 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	792.49	63.03
26 56 21 00-0093	EA	70 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack	805.17	63.03
26 56 21 00-0094	EA	100 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack	805.17	63.03
26 56 21 00-0095		**Non-Cutoff, Borosilicate Glass Lens, Small Wall Packs** *(26 56 21 00-0076)*		
		Note: Aluminum body and reflector. 9" x 13" x 7-3/8". Lithonia TWR1.		
26 56 21 00-0096	EA	70 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	757.43	83.96
26 56 21 00-0097	EA	100 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	757.43	83.96
26 56 21 00-0098	EA	175 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	708.64	83.96
26 56 21 00-0099	EA	70 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	727.34	83.96
26 56 21 00-0100	EA	100 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	727.34	83.96
26 56 21 00-0101	EA	150 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	673.25	83.96
26 56 21 00-0102		**Cutoff, Borosilicate Glass Lens, Small Wall Packs** *(26 56 21 00-0076)*		
		Note: Aluminum body and reflector. 10-1/4" x 13" x 8-15/32". Lithonia TWR1C.		
26 56 21 00-0103	EA	70 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	786.33	83.96
26 56 21 00-0104	EA	100 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	786.33	83.96
26 56 21 00-0105	EA	175 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	786.33	83.96
26 56 21 00-0106	EA	70 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	757.64	83.96
26 56 21 00-0107	EA	100 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	757.64	83.96
26 56 21 00-0108	EA	150 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	757.64	83.96
26 56 21 00-0109		**Full Cutoff, Tempered Glass Lens, Small Wall Packs** *(26 56 21 00-0076)*		
		Note: Aluminum body and reflector. 9-3/8" x 14-3/8" x 8-3/4". Meets Nighttime Friendly criteria. Lithonia TWR1S.		
26 56 21 00-0110	EA	175 Watt Metal Halide, Full Cutoff, Tempered Glass Lens, Small Wall Pack	1,019.84	83.96
26 56 21 00-0111		**Cutoff, Borosilicate Glass Lens, Medium Wall Packs** *(26 56 21 00-0076)*		
		Note: Aluminum body and reflector. Lithonia TWR2.		
26 56 21 00-0112	EA	250 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack Note: 9-1/4" x 17-7/8" x 9-3/8".	954.69	104.00
26 56 21 00-0113	EA	400 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack Note: 9-1/4" x 17-7/8" x 12-1/2".	1,020.83	104.00
26 56 21 00-0114	EA	250 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack Note: 9-1/4" x 17-7/8" x 9-3/8".	1,099.68	104.00
26 56 21 00-0115	EA	400 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack Note: 9-1/4" x 17-7/8" x 12-1/2".	1,121.38	104.00
26 56 21 00-0116		**Cutoff, Tempered Glass Lens, Medium Wall Packs** *(26 56 21 00-0076)*		
		Note: Aluminum body and reflector. 10" x 17-1/8" x 14-1/2". Lithonia TWR2C.		
26 56 21 00-0117	EA	250 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack	1,039.76	104.00
26 56 21 00-0118	EA	400 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack	1,114.07	104.00
26 56 21 00-0119		**Non-Cutoff, Polycarbonate Lens, Large Wall Packs** *(26 56 21 00-0076)*		
		Note: Polycarbonate body and powder coated reflector. 15-7/16" x 16-1/8" x 7-3/4". Lithonia TWP.		
26 56 21 00-0120	EA	100 Watt Metal Halide, Non-Cutoff, Polycarbonate Lens, Large Wall Pack	955.35	126.07

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 21 00-0121	EA	175 Watt Metal Halide, Non-Cutoff, Polycarbonate Lens, Large Wall Pack	876.64	126.07
26 56 21 00-0122	EA	70 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Large Wall Pack	937.13	126.07
26 56 21 00-0123	EA	100 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Large Wall Pack	943.16	126.07
26 56 21 00-0124	EA	150 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Large Wall Pack	949.47	126.07
26 56 21 00-0125		Non-Cutoff, Borosilicate Glass Lens, Large Wall Packs *(26 56 21 00-0076)*		
		Note: Aluminum body and reflector. 15-3/4" x 16-1/4" x 8". Lithonia TWH.		
26 56 21 00-0126	EA	175 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	955.37	126.07
26 56 21 00-0127	EA	250 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	981.63	126.07
26 56 21 00-0128	EA	400 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	1,060.34	126.07
26 56 21 00-0129	EA	150 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	1,007.87	126.07
26 56 21 00-0130	EA	250 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	1,034.14	126.07
26 56 21 00-0131	EA	400 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	1,086.56	126.07
26 56 21 00-0132		Semi-Cutoff, Induction Wall Packs *(26 56 21 00-0076)*		
26 56 21 00-0133		Semi-Cutoff, Induction Wall Packs (Everlast®) *(26 56 21 00-0132)*		
		Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 21 00-0134	EA	70 Watt, Wall Mount, Semi-Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-70)	1,243.35	118.94
26 56 21 00-0135	EA	80 Watt, Wall Mount, Semi-Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-80)	1,268.54	125.93
26 56 21 00-0136	EA	100 Watt, Wall Mount, Semi-Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-100)	1,293.73	132.93
26 56 21 00-0137	EA	120 Watt, Wall Mount, Semi-Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-120)	1,442.16	139.92
26 56 21 00-0138		Non-Cutoff, Polycarbonate Lens, Small Wall Packs *(26 56 21 00-0076)*		
26 56 21 00-0139	EA	15 Watt, Exterior, Non-Cutoff Small Wall Pack (Sylvania 60066-SMWLPAK1N/015UNV740/NC/BZ/P)	390.45	63.03
26 56 21 00-0140		Induction, Roadway Lighting *(26 56 21)*		
26 56 21 00-0141		Induction Roadway Lighting (US Lighting Tech) *(26 56 21 00-0140)*		
		Note: Includes gray powder coat finish heavy-duty die cast aluminum body and flat glass lens.		
26 56 21 00-0142	EA	40 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	678.21	209.89
26 56 21 00-0143	EA	70 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	742.88	216.88
26 56 21 00-0144	EA	100 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	770.86	230.88
26 56 21 00-0145	EA	150 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	798.85	244.87
26 56 21 00-0146	EA	200 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	929.38	251.87
26 56 21 00-0147	EA	250 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	947.44	258.86
26 56 21 00-0148	EA	40 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	635.65	209.89
26 56 21 00-0149	EA	70 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	706.39	216.88
26 56 21 00-0150	EA	100 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	734.37	230.88
26 56 21 00-0151	EA	150 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	762.36	244.87
26 56 21 00-0152		Induction, Area Fixtures *(26 56 21)*		
26 56 21 00-0153		Post Top, Induction Area Fixtures *(26 56 21 00-0152)*		
26 56 21 00-0154		Post Top, Induction Area Fixtures (US Lighting Tech) *(26 56 21 00-0153)*		
		Note: Includes black powder coat finish heavy-duty die cast aluminum body and no-lite lid acrylic lens.		
26 56 21 00-0155	EA	40 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	750.65	192.40
26 56 21 00-0156	EA	70 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	809.43	192.40
26 56 21 00-0157	EA	100 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	809.43	192.40
26 56 21 00-0158	EA	150 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	809.43	192.40
26 56 21 00-0159		Surface Mount, Induction Parking Structure Fixtures *(26 56 21 00-0152)*		
26 56 21 00-0160		Surface Mount, Induction Parking Structure Fixtures (Everlast®) *(26 56 21 00-0159)*		
26 56 21 00-0161	EA	40 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	682.35	174.91
26 56 21 00-0162	EA	55 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	723.81	178.40
26 56 21 00-0163	EA	70 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	734.86	181.90
26 56 21 00-0164	EA	80 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	745.91	185.40
26 56 21 00-0165	EA	100 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	756.96	188.90
26 56 21 00-0166	EA	120 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	772.06	192.40
26 56 21 00-0167	EA	70/28 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	793.64	181.90
26 56 21 00-0168	EA	80/32 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	804.69	185.40
26 56 21 00-0169	EA	100/40 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	815.74	188.90
26 56 21 00-0170	EA	120/48 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	848.07	192.40
26 56 21 00-0171		Pole Mount, Induction Area Fixtures *(26 56 21 00-0152)*		
26 56 21 00-0172		Pole Mount, Bi-Level Induction Area Fixtures (Everlast® ESB-ED) *(26 56 21 00-0171)*		
		Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 21 00-0173	EA	70 Watt, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-70)	1,299.36	118.94
26 56 21 00-0174	EA	80 Watt, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-80)	1,335.76	125.93
26 56 21 00-0175	EA	100 Watt, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-100)	1,372.15	132.93

END OF SECTION 26

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 Earthwork

31 01 Maintenance of Earthwork *(31)*

31 01 20 Maintenance of Earth Moving *(31 01)*

31 01 20 00-0001 Rip Settling Basins *(31 01 20)*

Note: Rip through light soil and sand in settling basin. 8' on center (machine width).

31 01 20 00-0002	ACR	Rip Light Soil And Sand, By Dozer		716.22	
31 01 20 00-0003	ACR	Rip Light Soil And Sand, By Grader With Rear Ripper		1,128.59	
31 01 20 00-0004	ACR	Rip Light Soil And Sand, By Rubber Tire Front End Loader		972.87	

31 05 Common Work Results for Earthwork *(31)*

31 05 13 Soils for Earthwork *(31 05)*

Note: Includes delivery up to 15 miles from the closest approved source and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0041 for hauling greater than 15 miles.

31 05 13 00-0001 Fill Material (Loose, Purchased Material) *(31 05 13)*

Note: Includes delivery up to 15 miles from the closest approved source, loading and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0041 for hauling greater than 15 miles.

31 05 13 00-0002	CY	Bank Run/Fill Sand		34.36	
		For Up To 8, Add		*6.87*	
		For >8 To 16, Add		*3.44*	
		For >48 To 64, Deduct		*-2.55*	
		For >64 To 96, Deduct		*-4.27*	
		For >96 To 168, Deduct		*-5.98*	
		For >168 To 240, Deduct		*-7.26*	
		For >240, Deduct		*-8.53*	
31 05 13 00-0003	CY	Screened/Washed Filter/Septic Sand		40.49	
		For Up To 8, Add		*8.10*	
		For >8 To 16, Add		*4.05*	
		For >48 To 64, Deduct		*-2.85*	
		For >64 To 96, Deduct		*-4.88*	
		For >96 To 168, Deduct		*-6.90*	
		For >168 To 240, Deduct		*-8.33*	
		For >240, Deduct		*-9.76*	
31 05 13 00-0004	CY	3/8" Minus, ASTM C33, Screened/Washed Bedding Sand		55.21	
		For Up To 8, Add		*11.04*	
		For >8 To 16, Add		*5.52*	
		For >48 To 64, Deduct		*-3.59*	
		For >64 To 96, Deduct		*-6.35*	
		For >96 To 168, Deduct		*-9.11*	
		For >168 To 240, Deduct		*-10.91*	
		For >240, Deduct		*-12.70*	
31 05 13 00-0005	CY	3/16" Minus, Screened/Washed Concrete Sand		49.69	
		For Up To 8, Add		*9.94*	
		For >8 To 16, Add		*4.97*	
		For >48 To 64, Deduct		*-3.31*	
		For >64 To 96, Deduct		*-5.80*	
		For >96 To 168, Deduct		*-8.28*	
		For >168 To 240, Deduct		*-9.94*	
		For >240, Deduct		*-11.60*	
31 05 13 00-0006	CY	3/32" Minus, Screened/Washed Masonry/Mortar Sand		87.70	
		For Up To 8, Add		*17.54*	
		For >8 To 16, Add		*8.77*	
		For >48 To 64, Deduct		*-5.21*	
		For >64 To 96, Deduct		*-9.60*	
		For >96 To 168, Deduct		*-13.98*	
		For >168 To 240, Deduct		*-16.59*	
		For >240, Deduct		*-19.20*	
31 05 13 00-0007	CY	Common Fill, Native Soil/Dirt		39.04	
		For Up To 8, Add		*7.81*	
		For >8 To 16, Add		*3.90*	
		For >48 To 64, Deduct		*-2.78*	
		For >64 To 96, Deduct		*-4.73*	
		For >96 To 168, Deduct		*-6.69*	
		For >168 To 240, Deduct		*-8.08*	
		For >240, Deduct		*-9.47*	
31 05 13 00-0008	CY	Lime Rock Screening		38.19	
		For Up To 8, Add		*7.64*	
		For >8 To 16, Add		*3.82*	
		For >48 To 64, Deduct		*-2.74*	
		For >64 To 96, Deduct		*-4.65*	
		For >96 To 168, Deduct		*-6.56*	
		For >168 To 240, Deduct		*-7.93*	
		For >240, Deduct		*-9.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 05 13 00-0009	CY	Crushed Lime Rock Maximum 3-1/2"	38.19	
		For Up To 8, Add	*7.64*	
		For >8 To 16, Add	*3.82*	
		For >48 To 64, Deduct	*-2.74*	
		For >64 To 96, Deduct	*-4.65*	
		For >96 To 168, Deduct	*-6.56*	
		For >168 To 240, Deduct	*-7.93*	
		For >240, Deduct	*-9.30*	
31 05 13 00-0010	CY	Sand/Clay	37.85	
		For Up To 8, Add	*7.57*	
		For >8 To 16, Add	*3.79*	
		For >48 To 64, Deduct	*-2.72*	
		For >64 To 96, Deduct	*-4.61*	
		For >96 To 168, Deduct	*-6.51*	
		For >168 To 240, Deduct	*-7.87*	
		For >240, Deduct	*-9.23*	
31 05 13 00-0011	CY	Recycled Concrete Aggregate	34.44	
		For Up To 8, Add	*6.89*	
		For >8 To 16, Add	*3.44*	
		For >48 To 64, Deduct	*-2.55*	
		For >64 To 96, Deduct	*-4.27*	
		For >96 To 168, Deduct	*-6.00*	
		For >168 To 240, Deduct	*-7.27*	
		For >240, Deduct	*-8.55*	
31 05 13 00-0012	CY	Pit Run Clay	55.09	
		For Up To 8, Add	*11.02*	
		For >8 To 16, Add	*5.51*	
		For >48 To 64, Deduct	*-3.58*	
		For >64 To 96, Deduct	*-6.34*	
		For >96 To 168, Deduct	*-9.09*	
		For >168 To 240, Deduct	*-10.88*	
		For >240, Deduct	*-12.68*	
31 05 13 00-0013	CY	Light Clay / Loam	45.41	
		For Up To 8, Add	*9.08*	
		For >8 To 16, Add	*4.54*	
		For >48 To 64, Deduct	*-3.10*	
		For >64 To 96, Deduct	*-5.37*	
		For >96 To 168, Deduct	*-7.64*	
		For >168 To 240, Deduct	*-9.19*	
		For >240, Deduct	*-10.74*	
31 05 13 00-0014	CY	Heavy Clay	55.09	
		For Up To 8, Add	*11.02*	
		For >8 To 16, Add	*5.51*	
		For >48 To 64, Deduct	*-3.58*	
		For >64 To 96, Deduct	*-6.34*	
		For >96 To 168, Deduct	*-9.09*	
		For >168 To 240, Deduct	*-10.88*	
		For >240, Deduct	*-12.68*	

31 05 16 Aggregates for Earthwork *(31 05)*

See CSI section 01 74 19 00-0041 for hauling greater than 15 miles.

31 05 16 00-0001 Aggregate (Loose, Purchased Material) *(31 05 16)*

Note: Includes delivery up to 15 miles from the closest approved source, loading and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0041 for hauling greater than 15 miles, 01 74 19 00-0043 for hauling greater than 15 miles.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 05 16 00-0002	CY	#2 Stone Aggregate Fill (1-1/2" To 2-1/2" Clean)	50.49	
		For Up To 8, Add	*10.10*	
		For >8 To 16, Add	*5.05*	
		For >48 To 64, Deduct	*-3.35*	
		For >64 To 96, Deduct	*-5.88*	
		For >96 To 168, Deduct	*-8.40*	
		For >168 To 240, Deduct	*-10.08*	
		For >240, Deduct	*-11.76*	
31 05 16 00-0003	CY	#3 Stone Aggregate Fill (1" To 2" Clean)	52.47	
		For Up To 8, Add	*10.49*	
		For >8 To 16, Add	*5.25*	
		For >48 To 64, Deduct	*-3.45*	
		For >64 To 96, Deduct	*-6.08*	
		For >96 To 168, Deduct	*-8.70*	
		For >168 To 240, Deduct	*-10.43*	
		For >240, Deduct	*-12.15*	
31 05 16 00-0004	CY	#4 Stone Aggregate Fill (3/4" To 1-1/2" Clean)	50.49	
		For Up To 8, Add	*10.10*	
		For >8 To 16, Add	*5.05*	
		For >48 To 64, Deduct	*-3.35*	
		For >64 To 96, Deduct	*-5.88*	
		For >96 To 168, Deduct	*-8.40*	
		For >168 To 240, Deduct	*-10.08*	
		For >240, Deduct	*-11.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 05 16 00-0005	CY	#5 Stone Aggregate Fill (1/2" To 1" Clean)	53.91	
		For Up To 8, Add	*10.78*	
		For >8 To 16, Add	*5.39*	
		For >48 To 64, Deduct	*-3.52*	
		For >64 To 96, Deduct	*-6.22*	
		For >96 To 168, Deduct	*-8.92*	
		For >168 To 240, Deduct	*-10.68*	
		For >240, Deduct	*-12.44*	
31 05 16 00-0006	CY	#6 Stone Aggregate Fill (3/8" To 3/4" Clean)	55.93	
		For Up To 8, Add	*11.19*	
		For >8 To 16, Add	*5.59*	
		For >48 To 64, Deduct	*-3.63*	
		For >64 To 96, Deduct	*-6.42*	
		For >96 To 168, Deduct	*-9.22*	
		For >168 To 240, Deduct	*-11.03*	
		For >240, Deduct	*-12.84*	
31 05 16 00-0007	CY	#56 Stone Aggregate Fill (3/8" To 1")	54.23	
		For Up To 8, Add	*10.85*	
		For >8 To 16, Add	*5.42*	
		For >48 To 64, Deduct	*-3.54*	
		For >64 To 96, Deduct	*-6.25*	
		For >96 To 168, Deduct	*-8.96*	
		For >168 To 240, Deduct	*-10.73*	
		For >240, Deduct	*-12.50*	
31 05 16 00-0008	CY	#57 Stone Aggregate Fill (3/8" To 1")	57.75	
		For Up To 8, Add	*11.55*	
		For >8 To 16, Add	*5.78*	
		For >48 To 64, Deduct	*-3.72*	
		For >64 To 96, Deduct	*-6.60*	
		For >96 To 168, Deduct	*-9.49*	
		For >168 To 240, Deduct	*-11.35*	
		For >240, Deduct	*-13.21*	
31 05 16 00-0009	CY	#67 Or #68 Stone Aggregate Fill (3/16" To 3/4")	52.36	
		For Up To 8, Add	*10.47*	
		For >8 To 16, Add	*5.24*	
		For >48 To 64, Deduct	*-3.45*	
		For >64 To 96, Deduct	*-6.07*	
		For >96 To 168, Deduct	*-8.68*	
		For >168 To 240, Deduct	*-10.41*	
		For >240, Deduct	*-12.13*	
31 05 16 00-0010	CY	#7 Stone Aggregate Fill (3/8" To 1/2")	53.34	
		For Up To 8, Add	*10.67*	
		For >8 To 16, Add	*5.33*	
		For >48 To 64, Deduct	*-3.50*	
		For >64 To 96, Deduct	*-6.16*	
		For >96 To 168, Deduct	*-8.83*	
		For >168 To 240, Deduct	*-10.58*	
		For >240, Deduct	*-12.33*	
31 05 16 00-0011	CY	#78 Stone Aggregate Fill (3/32" To 1/2")	53.77	
		For Up To 8, Add	*10.75*	
		For >8 To 16, Add	*5.38*	
		For >48 To 64, Deduct	*-3.52*	
		For >64 To 96, Deduct	*-6.21*	
		For >96 To 168, Deduct	*-8.89*	
		For >168 To 240, Deduct	*-10.65*	
		For >240, Deduct	*-12.41*	
31 05 16 00-0012	CY	#8 Stone Aggregate Fill (3/32" To 3/8")	55.93	
		For Up To 8, Add	*11.19*	
		For >8 To 16, Add	*5.59*	
		For >48 To 64, Deduct	*-3.63*	
		For >64 To 96, Deduct	*-6.42*	
		For >96 To 168, Deduct	*-9.22*	
		For >168 To 240, Deduct	*-11.03*	
		For >240, Deduct	*-12.84*	
31 05 16 00-0013	CY	#89 Stone Aggregate Fill (1/16" To 3/8")	56.54	
		For Up To 8, Add	*11.31*	
		For >8 To 16, Add	*5.65*	
		For >48 To 64, Deduct	*-3.66*	
		For >64 To 96, Deduct	*-6.48*	
		For >96 To 168, Deduct	*-9.31*	
		For >168 To 240, Deduct	*-11.14*	
		For >240, Deduct	*-12.97*	
31 05 16 00-0014	CY	#9 Stone Aggregate Fill (3/32" To 3/16")	55.93	
		For Up To 8, Add	*11.19*	
		For >8 To 16, Add	*5.59*	
		For >48 To 64, Deduct	*-3.63*	
		For >64 To 96, Deduct	*-6.42*	
		For >96 To 168, Deduct	*-9.22*	
		For >168 To 240, Deduct	*-11.03*	
		For >240, Deduct	*-12.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 05 16 00-0015	CY	#10 Stone Aggregate Fill (1/16" To 3/16")	57.18	
		For Up To 8, Add	*11.44*	
		For >8 To 16, Add	*5.72*	
		For >48 To 64, Deduct	*-3.69*	
		For >64 To 96, Deduct	*-6.55*	
		For >96 To 168, Deduct	*-9.41*	
		For >168 To 240, Deduct	*-11.25*	
		For >240, Deduct	*-13.09*	
31 05 16 00-0016	CY	#610 Modified Stone Aggregate Fill (1/16" To 3/4")	56.54	
		For Up To 8, Add	*11.31*	
		For >8 To 16, Add	*5.65*	
		For >48 To 64, Deduct	*-3.66*	
		For >64 To 96, Deduct	*-6.48*	
		For >96 To 168, Deduct	*-9.31*	
		For >168 To 240, Deduct	*-11.14*	
		For >240, Deduct	*-12.97*	
31 05 16 00-0017	CY	Screenings Stone Aggregate Fill (3/16" Max)	47.70	
		For Up To 8, Add	*9.54*	
		For >8 To 16, Add	*4.77*	
		For >48 To 64, Deduct	*-3.21*	
		For >64 To 96, Deduct	*-5.60*	
		For >96 To 168, Deduct	*-7.98*	
		For >168 To 240, Deduct	*-9.59*	
		For >240, Deduct	*-11.20*	
31 05 16 00-0018	CY	Over 6" To 12" Stone Aggregate Fill, Random Size	51.70	
		For Up To 8, Add	*10.34*	
		For >8 To 16, Add	*5.17*	
		For >48 To 64, Deduct	*-3.41*	
		For >64 To 96, Deduct	*-6.00*	
		For >96 To 168, Deduct	*-8.58*	
		For >168 To 240, Deduct	*-10.29*	
		For >240, Deduct	*-12.00*	
31 05 16 00-0019	CY	Over 6" To 12" Graded Stone Aggregate Fill	51.70	
		For Up To 8, Add	*10.34*	
		For >8 To 16, Add	*5.17*	
		For >48 To 64, Deduct	*-3.41*	
		For >64 To 96, Deduct	*-6.00*	
		For >96 To 168, Deduct	*-8.58*	
		For >168 To 240, Deduct	*-10.29*	
		For >240, Deduct	*-12.00*	
31 05 16 00-0020	CY	3" To 7" Surge Stone Aggregate Fill, Random Size	55.69	
		For Up To 8, Add	*11.14*	
		For >8 To 16, Add	*5.57*	
		For >48 To 64, Deduct	*-3.61*	
		For >64 To 96, Deduct	*-6.40*	
		For >96 To 168, Deduct	*-9.18*	
		For >168 To 240, Deduct	*-10.99*	
		For >240, Deduct	*-12.80*	
31 05 16 00-0021	CY	3" To 7" Surge Stone Graded Aggregate Fill	58.54	
		For Up To 8, Add	*11.71*	
		For >8 To 16, Add	*5.85*	
		For >48 To 64, Deduct	*-3.76*	
		For >64 To 96, Deduct	*-6.68*	
		For >96 To 168, Deduct	*-9.61*	
		For >168 To 240, Deduct	*-11.49*	
		For >240, Deduct	*-13.37*	
31 05 16 00-0022	CY	Crusher Run Aggregate Fill (2-1/2" Minus)	33.79	
		For Up To 8, Add	*6.76*	
		For >8 To 16, Add	*3.38*	
		For >48 To 64, Deduct	*-2.52*	
		For >64 To 96, Deduct	*-4.21*	
		For >96 To 168, Deduct	*-5.90*	
		For >168 To 240, Deduct	*-7.16*	
		For >240, Deduct	*-8.42*	
31 05 16 00-0023	CY	Crusher Run Aggregate Fill (1-1/2" Minus)	36.92	
		For Up To 8, Add	*7.38*	
		For >8 To 16, Add	*3.69*	
		For >48 To 64, Deduct	*-2.68*	
		For >64 To 96, Deduct	*-4.52*	
		For >96 To 168, Deduct	*-6.37*	
		For >168 To 240, Deduct	*-7.70*	
		For >240, Deduct	*-9.04*	
31 05 16 00-0024	CY	Crusher Run Aggregate Fill (3/4" Minus)	34.89	
		For Up To 8, Add	*6.98*	
		For >8 To 16, Add	*3.49*	
		For >48 To 64, Deduct	*-2.57*	
		For >64 To 96, Deduct	*-4.32*	
		For >96 To 168, Deduct	*-6.06*	
		For >168 To 240, Deduct	*-7.35*	
		For >240, Deduct	*-8.64*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 05 16 00-0025	CY	Miscellaneous Crushed Base, Processed Concrete, Paving	65.80	
		For Up To 8, Add	*13.16*	
		For >8 To 16, Add	*6.58*	
		For >48 To 64, Deduct	*-4.12*	
		For >64 To 96, Deduct	*-7.41*	
		For >96 To 168, Deduct	*-10.70*	
		For >168 To 240, Deduct	*-12.76*	
		For >240, Deduct	*-14.82*	

31 05 36 Equipment Delivery, Pickup, Mobilization and Demobilization *(31 05)*

See CSI section 01 71 13 00-0001 for equipment delivery, pickup, mobilization and demobilization.

31 10 Site Clearing *(31)*

31 11 Clearing and Grubbing *(31 10)*

31 11 00 00-0001 Clear And Grub Roots And Stumps *(31 11)*

Note: Tree diameter (diameter at breast height) is the diameter of the tree trunk measured at 4.5' above ground level. Based on tree density (light, medium or heavy) to be removed. Excludes loading. See CSI section 31 13 13 00-0001 for small areas or individual trees removal.

31 11 00 00-0002	ACR	Clear And Grub Light Trees Up To 6" Diameter, Cut And Chip Note: Includes grub and removal of stump	8,093.63
31 11 00 00-0003	ACR	Clear And Grub Light Stumps Only Up To 6" Diameter	2,229.84
31 11 00 00-0004	ACR	Clear And Grub Medium Trees Up To 10" Diameter, Cut And Chip Note: Includes grub and removal of stump	10,791.51
31 11 00 00-0005	ACR	Clear And Grub Medium Stumps Only Up To 10" Diameter	3,716.40
31 11 00 00-0006	ACR	Clear And Grub Heavy Trees Up To 16" Diameter, Cut And Chip Note: Includes grub and removal of stump	14,838.32
31 11 00 00-0007	ACR	Clear And Grub Heavy Stumps Only Up To 16" Diameter	5,574.61
31 11 00 00-0008	ACR	Clear And Grub Heavy Trees Up To 24" Diameter, Cut And Chip Note: Includes grub and removal of stump	21,583.01
31 11 00 00-0009	ACR	Clear And Grub Heavy Stumps Only Up To 24" Diameter	7,804.44
31 11 00 00-0010	ACR	Clearing By Machine - Light Brush Without Grub	362.36
31 11 00 00-0011	ACR	Clearing By Machine - Medium Brush Without Grub	745.36
31 11 00 00-0012	ACR	Clearing By Machine - Heavy Brush Without Grub	1,055.38
31 11 00 00-0013	ACR	Chipping - Light Brush	2,878.25
31 11 00 00-0014	ACR	Chipping - Medium Brush	3,700.79
31 11 00 00-0015	ACR	Chipping - Heavy Brush	5,181.58

31 11 00 00-0016 Loading Of Cleared And Grubbed Material *(31 11)*

See CSI section 01 74 19 00-0041 for hauling.

31 11 00 00-0017	CY	Machine Loading Of Cleared And Grubbed Material	12.45
31 11 00 00-0018	CY	Chute Loading Of Cleared And Grubbed Material	14.94
31 11 00 00-0019	CY	Hand Loading Of Cleared And Grubbed Material	45.27
31 11 00 00-0020	CY	Wheel And Ramp Loading Of Cleared And Grubbed Material	35.57

31 13 Selective Tree and Shrub Removal and Trimming *(31 10)*

31 13 13 Selective Tree and Shrub Removal *(31 13)*

31 13 13 00-0001 Individual Tree Removal *(31 13 13)*

Note: Includes sawing and chipping branches. Tree diameter, D.B.H. (Diameter At Breast Height) is the diameter of the tree trunk measured at 4.5' above ground elevation. Excludes stump removal or grinding.

31 13 13 00-0002	EA	Up To 6" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	674.47
		For >25, Deduct	*-84.31*
31 13 13 00-0003	EA	>6" To 12" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	1,011.70
		For >25, Deduct	*-126.46*
31 13 13 00-0004	EA	>12" To 24" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	1,348.94
		For >10, Deduct	*-134.89*
31 13 13 00-0005	EA	>24" To 36" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	2,023.40
		For >10, Deduct	*-202.34*
31 13 13 00-0006	EA	>36" To 48" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	2,697.87
		For >10, Deduct	*-269.79*
31 13 13 00-0007	EA	>48" To 60" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	3,372.35
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	*-843.09*
		For >10, Deduct	*-337.24*
31 13 13 00-0008	EA	>60" To 72" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	4,046.82
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	*-1,011.71*
		For >10, Deduct	*-404.68*
31 13 13 00-0009	EA	>72" To 84" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	5,395.75
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	*-1,348.94*
		For >10, Deduct	*-539.58*

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 13 13 00-0010		**Individual Palm Tree Removal** *(31 13 13)* Note: Includes sawing and chipping branches. Excludes stump removal or grinding.		
31 13 13 00-0011	EA	Up To 30' Height, Palm Tree Removal Note: Includes cutting up tree, chipping and loading.	539.58	
		For >25, Deduct	*-67.45*	
31 13 13 00-0012	EA	>30' To 60' Height, Palm Tree Removal Note: Includes cutting up tree, chipping and loading.	1,079.15	
		For >25, Deduct	*-134.89*	
31 13 13 00-0013	EA	>60' To 80' Height, Palm Tree Removal Note: Includes cutting up tree, chipping and loading.	1,416.39	
		For >10, Deduct	*-141.64*	
31 13 13 00-0014		**Stump Removal** *(31 13 13)* Note: Measured by diameter of stump.		
31 13 13 00-0015		**Stump Removal By Machine** *(31 13 13 00-0014)*		
31 13 13 00-0016	EA	Up To 6" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	111.49	
		For >10. Deduct	*-16.72*	
31 13 13 00-0017	EA	>6" To 12" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	213.69	
		For >10. Deduct	*-32.05*	
31 13 13 00-0018	EA	>12" To 24" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	278.73	
		For >10. Deduct	*-41.81*	
31 13 13 00-0019	EA	>24" To 36" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	418.10	
		For >10. Deduct	*-62.72*	
31 13 13 00-0020	EA	>36" To 48" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	492.45	
		For >10. Deduct	*-73.87*	
31 13 13 00-0021	EA	>48" To 60" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	579.76	
		For >10. Deduct	*-86.96*	
31 13 13 00-0022	EA	>60" To 72" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	687.53	
		For >10. Deduct	*-103.13*	
31 13 13 00-0023	EA	>72" To 84" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	808.32	
		For >10. Deduct	*-121.25*	
31 13 13 00-0024		**Stump Removal By Hand** *(31 13 13 00-0014)*		
31 13 13 00-0025	EA	Up To 6" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	698.66	
31 13 13 00-0026	EA	>6" To 12" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	873.32	
31 13 13 00-0027	EA	>12" To 24" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	1,280.88	
31 13 13 00-0028	EA	>24" To 36" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	1,746.66	
31 13 13 00-0029	EA	>36" To 48" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	2,328.87	
31 13 13 00-0030	EA	>48" To 60" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	2,911.09	
31 13 13 00-0031	EA	>60" To 72" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	3,493.31	
31 13 13 00-0032	EA	>72" To 84" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	4,075.53	
31 13 13 00-0033		**Stump Grinding** *(31 13 13)* Note: Measured by diameter of stump.		
31 13 13 00-0034		**Stump Grinding, 18" Deep Below Surface Of Soil** *(31 13 13 00-0033)* Note: Level soil to match existing surface area.		
31 13 13 00-0035	EA	Stump Grinding Up To 6" Tree	135.15	
		For 24" Depth, Add	*27.03*	
		For >10, Deduct	*-16.89*	
31 13 13 00-0036	EA	Stump Grinding >6" To 12" Tree	168.95	
		For 24" Depth, Add	*33.79*	
		For >10, Deduct	*-21.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 13 13 00-0037	EA	Stump Grinding >12" To 15" Tree	202.74	
		For 24" Depth, Add	*40.55*	
		For >10, Deduct	*-25.34*	
31 13 13 00-0038	EA	Stump Grinding >15" To 18" Tree	225.25	
		For 24" Depth, Add	*45.05*	
		For >10, Deduct	*-28.16*	
31 13 13 00-0039	EA	Stump Grinding >18" To 21" Tree	242.15	
		For 24" Depth, Add	*48.43*	
		For >10, Deduct	*-30.27*	
31 13 13 00-0040	EA	Stump Grinding >21" To 24" Tree	259.05	
		For 24" Depth, Add	*51.81*	
		For >10, Deduct	*-32.38*	
31 13 13 00-0041	EA	Stump Grinding >24" To 27" Tree	281.57	
		For 24" Depth, Add	*56.31*	
		For >10, Deduct	*-35.20*	
31 13 13 00-0042	EA	Stump Grinding >27" To 30" Tree	307.01	
		For 24" Depth, Add	*61.40*	
		For >10, Deduct	*-38.38*	
31 13 13 00-0043	EA	Stump Grinding >30" To 33" Tree	341.13	
		For 24" Depth, Add	*68.23*	
		For >10, Deduct	*-42.64*	
31 13 13 00-0044	EA	Stump Grinding >33" To 36" Tree	375.23	
		For 24" Depth, Add	*75.05*	
		For >10, Deduct	*-46.90*	
31 13 13 00-0045	EA	Stump Grinding >36" To 42" Tree	409.35	
		For 24" Depth, Add	*81.87*	
		For >10, Deduct	*-51.17*	
31 13 13 00-0046	EA	Stump Grinding >42" To 48" Tree	454.83	
		For 24" Depth, Add	*90.97*	
		For >10, Deduct	*-56.85*	
31 13 13 00-0047	EA	Stump Grinding >48" To 60" Tree	568.54	
		For 24" Depth, Add	*113.71*	
		For >10, Deduct	*-71.07*	
31 13 13 00-0048	EA	Stump Grinding >60" To 72" Tree	710.68	
		For 24" Depth, Add	*142.14*	
		For >10, Deduct	*-88.84*	
31 13 13 00-0049	EA	Stump Grinding >72" To 84" Tree	909.67	
		For 24" Depth, Add	*181.93*	
		For >10, Deduct	*-113.71*	

31 13 13 00-0050 Shrub Removal *(31 13 13)*

31 13 13 00-0051	EA	Removal Of 18" To 24" Shrub, Broadleaf Evergreen	51.65	
31 13 13 00-0052	EA	Removal Of 2' To 3' Shrub, Broadleaf Evergreen	80.99	
31 13 13 00-0053	EA	Removal Of 3' To 4' Shrub, Broadleaf Evergreen	93.91	
31 13 13 00-0054	EA	Removal Of 4' To 5' Shrub, Broadleaf Evergreen	140.87	
31 13 13 00-0055	EA	Removal Of 12" To 15" Shrub, Deciduous	25.83	
31 13 13 00-0056	EA	Removal Of 18" To 24" Shrub, Deciduous	39.91	
31 13 13 00-0057	EA	Removal Of 2' To 3' Shrub, Deciduous	51.66	
31 13 13 00-0058	EA	Removal Of 3' To 4' Shrub, Deciduous	56.34	
31 13 13 00-0059	EA	Removal Of 18" To 24" Shrub, Evergreen	51.65	
31 13 13 00-0060	EA	Removal Of 24" To 30" Shrub, Evergreen	56.34	
31 13 13 00-0061	EA	Removal Of 30" To 36" Shrub, Evergreen	80.99	
31 13 13 00-0062	EA	Removal Of 36" To 42" Shrub, Evergreen	140.86	

31 13 13 00-0063 Fallen Tree Removal *(31 13 13)*

Note: Includes sawing and chipping branches. Tree diameter, D.B.H. (Diameter At Breast Height) is the diameter of the tree trunk measured at 4.5' above ground elevation. Excludes stump removal or grinding. Excludes removing tree from ground.

31 13 13 00-0064	EA	Up To 6" D.B.H. (Diameter At Breast Height) Fallen Tree Removal Note: Includes cutting up tree, chipping and loading.	539.58	
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	*-134.90*	
		For >25, Deduct	*-67.45*	
31 13 13 00-0065	EA	>6" To 12" D.B.H. (Diameter At Breast Height) Fallen Tree Removal Note: Includes cutting up tree, chipping and loading.	809.36	
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	*-202.34*	
		For >25, Deduct	*-101.17*	
31 13 13 00-0066	EA	>12" To 24" D.B.H. (Diameter At Breast Height) Fallen Tree Removal Note: Includes cutting up tree, chipping and loading.	1,079.15	
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	*-269.79*	
		For >10, Deduct	*-107.92*	
31 13 13 00-0067	EA	>24" To 36" D.B.H. (Diameter At Breast Height) Fallen Tree Removal Note: Includes cutting up tree, chipping and loading.	1,618.73	
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	*-404.68*	
		For >10, Deduct	*-161.87*	
31 13 13 00-0068	EA	>36" To 48" D.B.H. (Diameter At Breast Height) Fallen Tree Removal Note: Includes cutting up tree, chipping and loading.	2,158.31	
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	*-539.58*	
		For >10, Deduct	*-215.83*	
31 13 13 00-0069	EA	>48" To 60" D.B.H. (Diameter At Breast Height) Fallen Tree Removal Note: Includes cutting up tree, chipping and loading.	2,697.87	
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	*-674.47*	
		For >10, Deduct	*-269.79*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 13 16 Selective Tree and Shrub Trimming *(31 13)*

See CSI section 32 01 90 23-0000 for tree pruning.

31 13 16 00-0001 Tree Trimming For Pole Line Construction And Maintenance *(31 13 16)*

Note: Area to be vertical cleared (including overhanging limbs) is minimum 20' wide (10' each side of structure) and 16' above ground. All materials to 6" D.B.H. (Diameter At Breast Height) to be chipped in place. Larger material may be chipped or disposed. Trees greater than 18" diameter use individual tree removal tasks. Quantity based on running foot of power line to be cleared.

31 13 16 00-0002	LF	Tree Trimming, Light Cutting To 6" Diameter For Pole Line Construction	2.23	
31 13 16 00-0003	LF	Tree Trimming, Medium Cutting >6" To 12" Diameter For Pole Line Construction	3.35	
31 13 16 00-0004	LF	Tree Trimming, Heavy Cutting >12" To 18" Diameter For Pole Line Construction	3.94	

31 13 16 00-0005 Tree Branch Trimming And Removal For Maintenance Along Building Or Structure *(31 13 16)*

Note: Includes pick-up and placement of cut branches into chipper for removal. Excludes transportation from site or disposal fee. See CSI section 01 22 23 00-0105 for bucket truck where required for additional height.

31 13 16 00-0006	EA	Trim Tree Branch Minimum Charge	823.22	
31 13 16 00-0007	EA	Up To 1" Diameter Branch, Up To 5' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure	20.58	
31 13 16 00-0008	EA	>1" To 2" Diameter Branch, Up To 5' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure	23.15	
31 13 16 00-0009	EA	>2" To 3" Diameter Branch, Up To 5' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure	28.30	
31 13 16 00-0010	EA	Up To 1" Diameter Branch, >5' To 10' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure	25.72	
31 13 16 00-0011	EA	>1" To 2" Diameter Branch, >5' To 10' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure	28.95	
31 13 16 00-0012	EA	>2" To 3" Diameter Branch, >5' To 10' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure	35.37	

31 20 Earth Moving *(31)*

Note: Per OSHA -Soil Classification - 1926 Subpart P App A. Light material: Class A site material, normally referred to as "easy digging". Consisting of loose, soft, free running materials. Close lying, which will fill blade, digger or bucket to capacity, and frequently provide a heaped load. Materials such as dry sand, small gravel, unpacked earth, loam, etc., would fall into this category. Medium material: Class B site material, normally referred to as "medium and tough, wet and sticky clay would be examples of this medium digging", consisting of harder materials that are not difficult to dig without assistance such as ripping, blasting, etc. Material break up with some bulkiness causing voids in digger or bucket. Materials such as packed earth, common earth with some clay, soil with less that 25% rock content would be examples of this category. Heavy/wet material: Class C site material, normally referred to as "hard digging", consisting of materials which may require some assistance in breaking up. Bulky and somewhat hard to penetrate materials would be found in this category and voids in dipper or bucket would be common. Materials such as very hard packed soil, with up to 50% to 70% rock content and hard category. Soil conditions will be determined by soil analysis to provide appropriate percentage (%) for the various types of soil conditions. Apply the percentages to the various soil types to generate an appropriate representation of the soil condition.

31 22 Grading *(31 20)*

31 22 13 Rough Grading *(31 22)*

See CSI section 31 23 16 00-0000 for rough grading.

31 22 16 Fine Grading *(31 22)*

31 22 16 13 Roadway Subgrade Reshaping *(31 22 16)*

See CSI section 31 23 16 00-0000 for bulk shaping and grading, 31 24 13 00-0000 for roadway shaping and grading.

31 22 19 Finish Grading *(31 22)*

31 22 19 13 Spreading and Grading Topsoil *(31 22 19)*

31 22 19 13-0001 Site Grading For Areas Outside Of Structures And Slabs *(31 22 19 13)*

Note: Use of bobcat type equipment or hand for finish grading for positive drainage.

31 22 19 13-0002 Hand Digging And Grading *(31 22 19 13-0001)*

31 22 19 13-0003	SF	Trim And Shape Machine Excavated Area By Hand Finish Grade	1.24	
31 22 19 13-0004	SF	Trim And Shape Area On Grade By Hand, Finish Grade	1.13	
31 22 19 13-0005	SF	Fine Grade Gravel Bedding By Hand Finish Grade	1.18	
31 22 19 13-0006	SF	Fine Grade Gravel By Hand Finish Grade	0.99	

31 22 19 13-0007 Machine Operations *(31 22 19 13-0001)*

31 22 19 13-0008 Machine Operations With Grader *(31 22 19 13-0007)*

31 22 19 13-0009	CSY	Semi-Grade, 2 Passes With Grader	454.50	
31 22 19 13-0010	CSY	Fine Grade, 3 Passes With Grader	631.26	

31 23 Excavation and Fill *(31 20)*

31 23 16 Excavation *(31 23)*

31 23 16 13 Trenching *(31 23 16)*

Note: Use this section for trenching operations even if the total project volume exceeds 500 CY. Use tasks for work by hand only for areas not accessible by machine.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 23 16 13-0001 Excavation For Trenching By Machine *(31 23 16 13)*

Note: Includes stockpiling excess materials and trimming sides and bottom of trench.

31 23 16 13-0002	CY	12" Wide or Less, Excavation for Trenching by Machine in Soil	12.09	
		For Excavation In Light Material (Class A), Deduct	*-1.51*	
		For Excavation In Heavy/Wet Material (Class C), Add	*4.84*	
		For Up To 20, Add	*12.09*	
		For >20 To 50, Add	*9.07*	
		For >50 To 250, Add	*4.84*	
		For >250 To 500, Add	*1.81*	
		For >1,000, Deduct	*-1.81*	
31 23 16 13-0003	CY	Over 12" Wide, Excavation for Trenching by Machine in Soil	7.77	
		For Excavation In Light Material (Class A), Deduct	*-0.97*	
		For Excavation In Heavy/Wet Material (Class C), Add	*3.11*	
		For Up To 20, Add	*7.77*	
		For >20 To 50, Add	*5.83*	
		For >50 To 250, Add	*3.11*	
		For >250 To 500, Add	*1.17*	
		For >1,000, Deduct	*-1.17*	
31 23 16 13-0004	CY	12" Wide or Less, Excavation for Trenching by Machine in Loose Rock Note: Includes compacted aggregate	20.02	
		For Up To 20, Add	*20.02*	
		For >20 To 50, Add	*15.02*	
		For >50 To 250, Add	*8.01*	
		For >250 To 500, Add	*3.00*	
		For >1,000, Deduct	*-3.00*	
31 23 16 13-0005	CY	Over 12" Wide, Excavation for Trenching by Machine in Loose Rock Note: Includes compacted aggregate	13.81	
		For Up To 20, Add	*13.81*	
		For >20 To 50, Add	*10.36*	
		For >50 To 250, Add	*5.52*	
		For >250 To 500, Add	*2.07*	
		For >1,000, Deduct	*-2.07*	

31 23 16 13-0006 Excavation For Trenching By Hand *(31 23 16 13)*

31 23 16 13-0007	CY	Excavation For Trenching By Hand In Soil Note: Includes stockpiling excess materials and trimming sides and bottom of trench.	149.39
31 23 16 13-0008	CY	Excavation For Trenching By Hand In Loose Rock Or Compacted Aggregate Note: Includes stockpiling excess materials and trimming sides and bottom of trench.	256.27
31 23 16 13-0009	SF	Trim Bottom Of Excavation Hand Labor Note: For use with machine excavation.	1.16
31 23 16 13-0010	SF	Trim Slopes/Sides Of Excavation Hand Labor Note: For use with machine excavation.	1.34

31 23 16 13-0011 Backfilling Or Placing Subbase For Trenches *(31 23 16 13)*

Note: With imported or stockpiled materials.

31 23 16 13-0012	CY	Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Machine	4.36	
		For Up To 20, Add	*4.36*	
		For >20 To 50, Add	*3.27*	
		For >50 To 250, Add	*1.74*	
		For >250 To 500, Add	*0.65*	
		For >1,000, Deduct	*-0.65*	
31 23 16 13-0013	CY	Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Hand	41.50	

31 23 16 13-0014 Compaction Of Fill Or Subbase For Trenches *(31 23 16 13)*

Note: Includes restoration of final grade.

31 23 16 13-0015	CY	Compaction of Fill or Subbase for Trenches by Vibratory Plate, Air Tamper, Etcetera	8.65	
		For Up To 20, Add	*8.65*	
		For >20 To 50, Add	*6.49*	
		For >50 To 250, Add	*3.46*	
		For >250 To 500, Add	*1.30*	
		For >1,000, Deduct	*-1.30*	
31 23 16 13-0016	CY	Compaction of Fill or Subbase for Trenches by Hand	46.82	

31 23 16 13-0017 Loading Excess Material For Removal From Excavation For Trenches *(31 23 16 13)*

Note: Includes handwork by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stockpiling. See CSI section 01 74 19 00-0041 for hauling.

31 23 16 13-0018	CY	Load Excess Material by Machine for Removal from Excavation for Trenching	7.58	
		For Up To 20, Add	*7.58*	
		For >20 To 50, Add	*5.69*	
		For >50 To 250, Add	*3.03*	
		For >250 To 500, Add	*1.14*	
		For >1,000, Deduct	*-1.14*	
31 23 16 13-0019	CY	Load Excess Material by Hand for Removal from Excavation for Trenching	109.55	

31 23 16 13-0020 Spread Excess Or Imported Material For Trenches *(31 23 16 13)*

Note: Includes hand work by laborer for clean-up.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 13-0021	CY	Spread Excess Or Imported Material On Site With Machine	3.55	
		For Up To 20, Add	*3.55*	
		For >20 To 50, Add	*2.66*	
		For >50 To 250, Add	*1.42*	
		For >250 To 500, Add	*0.53*	
		For >1,000, Deduct	*-0.53*	

31 23 16 13-0022 Direct Burial (Plowed-in) Cable Or Piping By Machine *(31 23 16 13)*

Note: Includes trench, backfill, compaction and restoration of final grade.

31 23 16 13-0023	LF	Direct Burial of Cable or Piping up to 12" Deep	2.58	
31 23 16 13-0024	LF	Direct Burial of Cable or Piping >12" to 24" Deep	2.84	
31 23 16 13-0025	LF	Direct Burial of Cable or Piping >24" to 36" Deep	4.04	
31 23 16 13-0026	LF	Direct Burial of Cable or Piping >36" to 48" Deep	4.56	

31 23 16 13-0027 Utility Chain Trencher *(31 23 16 13)*

31 23 16 13-0028 Utility Trench, Chain Trencher *(31 23 16 13-0027)*

Note: Earth left adjacent to trench.

31 23 16 13-0029	LF	4" Wide, 12" Deep Trench, Medium Soil, Chain Trencher	1.46	
		For >100 To 250, Deduct	*-0.10*	
		For >250 To 500, Deduct	*-0.22*	
		For >500, Deduct	*-0.44*	
31 23 16 13-0030	LF	4" Wide, 18" Deep Trench, Medium Soil, Chain Trencher	1.60	
		For >100 To 250, Deduct	*-0.11*	
		For >250 To 500, Deduct	*-0.24*	
		For >500, Deduct	*-0.48*	
31 23 16 13-0031	LF	4" Wide, 24" Deep Trench, Medium Soil, Chain Trencher	1.66	
		For >100 To 250, Deduct	*-0.12*	
		For >250 To 500, Deduct	*-0.25*	
		For >500, Deduct	*-0.50*	
31 23 16 13-0032	LF	6" Wide, 12" Deep Trench, Medium Soil, Chain Trencher	1.76	
		For >100 To 250, Deduct	*-0.12*	
		For >250 To 500, Deduct	*-0.26*	
		For >500, Deduct	*-0.53*	
31 23 16 13-0033	LF	6" Wide, 18" Deep Trench, Medium Soil, Chain Trencher	1.92	
		For >100 To 250, Deduct	*-0.13*	
		For >250 To 500, Deduct	*-0.29*	
		For >500, Deduct	*-0.58*	
31 23 16 13-0034	LF	6" Wide, 24" Deep Trench, Medium Soil, Chain Trencher	2.20	
		For >100 To 250, Deduct	*-0.15*	
		For >250 To 500, Deduct	*-0.33*	
		For >500, Deduct	*-0.66*	
31 23 16 13-0035	LF	6" Wide, 36" Deep Trench, Medium Soil, Chain Trencher	2.64	
		For >100 To 250, Deduct	*-0.18*	
		For >250 To 500, Deduct	*-0.40*	
		For >500, Deduct	*-0.79*	
31 23 16 13-0036	LF	8" Wide, 12" Deep Trench, Medium Soil, Chain Trencher	2.49	
		For >100 To 250, Deduct	*-0.17*	
		For >250 To 500, Deduct	*-0.37*	
		For >500, Deduct	*-0.75*	
31 23 16 13-0037	LF	8" Wide, 18" Deep Trench, Medium Soil, Chain Trencher	2.93	
		For >100 To 250, Deduct	*-0.21*	
		For >250 To 500, Deduct	*-0.44*	
		For >500, Deduct	*-0.88*	
31 23 16 13-0038	LF	8" Wide, 24" Deep Trench, Medium Soil, Chain Trencher	3.33	
		For >100 To 250, Deduct	*-0.23*	
		For >250 To 500, Deduct	*-0.50*	
		For >500, Deduct	*-1.00*	
31 23 16 13-0039	LF	8" Wide, 36" Deep Trench, Medium Soil, Chain Trencher	3.95	
		For >100 To 250, Deduct	*-0.28*	
		For >250 To 500, Deduct	*-0.59*	
		For >500, Deduct	*-1.19*	

31 23 16 13-0040 Backfill Trenches With Compaction *(31 23 16 13-0027)*

31 23 16 13-0041	LF	Backfill 4" Wide, 12" Deep Trench, With Compaction	0.23	
		For >100 To 250, Deduct	*-0.02*	
		For >250 To 500, Deduct	*-0.03*	
		For >500, Deduct	*-0.07*	
31 23 16 13-0042	LF	Backfill 4" Wide, 18" Deep Trench, With Compaction	0.36	
		For >100 To 250, Deduct	*-0.03*	
		For >250 To 500, Deduct	*-0.05*	
		For >500, Deduct	*-0.11*	
31 23 16 13-0043	LF	Backfill 4" Wide, 24" Deep Trench, With Compaction	0.47	
		For >100 To 250, Deduct	*-0.03*	
		For >250 To 500, Deduct	*-0.07*	
		For >500, Deduct	*-0.14*	
31 23 16 13-0044	LF	Backfill 6" Wide, 12" Deep Trench, With Compaction	0.36	
		For >100 To 250, Deduct	*-0.03*	
		For >250 To 500, Deduct	*-0.05*	
		For >500, Deduct	*-0.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 13-0045	LF	Backfill 6" Wide, 18" Deep Trench, With Compaction	0.47	
		For >100 To 250, Deduct	*-0.03*	
		For >250 To 500, Deduct	*-0.07*	
		For >500, Deduct	*-0.14*	
31 23 16 13-0046	LF	Backfill 6" Wide, 24" Deep Trench, With Compaction	0.71	
		For >100 To 250, Deduct	*-0.05*	
		For >250 To 500, Deduct	*-0.11*	
		For >500, Deduct	*-0.21*	
31 23 16 13-0047	LF	Backfill 6" Wide, 36" Deep Trench, With Compaction	1.02	
		For >100 To 250, Deduct	*-0.07*	
		For >250 To 500, Deduct	*-0.15*	
		For >500, Deduct	*-0.31*	
31 23 16 13-0048	LF	Backfill 8" Wide, 12" Deep Trench, With Compaction	0.47	
		For >100 To 250, Deduct	*-0.03*	
		For >250 To 500, Deduct	*-0.07*	
		For >500, Deduct	*-0.14*	
31 23 16 13-0049	LF	Backfill 8" Wide, 18" Deep Trench, With Compaction	0.71	
		For >100 To 250, Deduct	*-0.05*	
		For >250 To 500, Deduct	*-0.11*	
		For >500, Deduct	*-0.21*	
31 23 16 13-0050	LF	Backfill 8" Wide, 24" Deep Trench, With Compaction	0.96	
		For >100 To 250, Deduct	*-0.07*	
		For >250 To 500, Deduct	*-0.14*	
		For >500, Deduct	*-0.29*	
31 23 16 13-0051	LF	Backfill 8" Wide, 36" Deep Trench, With Compaction	1.43	
		For >100 To 250, Deduct	*-0.10*	
		For >250 To 500, Deduct	*-0.21*	
		For >500, Deduct	*-0.43*	

31 23 16 16 Structural Excavation for Minor Structures *(31 23 16)*

31 23 16 16-0001 Post Holes *(31 23 16 16)*

Note: Excludes spreading of excess material on site or loading and removal of excavated material from site.

31 23 16 16-0002 Drilling Post Hole In Soil *(31 23 16 16-0001)*

Note: Auger by machine unless otherwise notified by owner.

31 23 16 16-0003	VLF	Up To 2-1/2" Diameter Hole, Auger By Machine Post Hole In Soil	10.64
31 23 16 16-0004	VLF	2-1/2" Diameter Hole, Auger By Machine Post Hole In Soil	11.97
31 23 16 16-0005	VLF	3" Diameter Hole, Auger By Machine Post Hole In Soil	14.18
31 23 16 16-0006	VLF	4" Diameter Hole, Auger By Machine Post Hole In Soil	15.96
31 23 16 16-0007	VLF	6" Diameter Hole, Auger By Machine Post Hole In Soil	17.41
31 23 16 16-0008	VLF	8" Diameter Hole, Auger By Machine Post Hole In Soil	19.14
31 23 16 16-0009	VLF	10" Diameter Hole, Auger By Machine Post Hole In Soil	21.27
31 23 16 16-0010	VLF	12" Diameter Hole, Auger By Machine Post Hole In Soil	23.93
31 23 16 16-0011	VLF	18" Diameter Hole, Auger By Machine Post Hole In Soil	27.36
31 23 16 16-0012	VLF	24" Diameter Hole, Auger By Machine Post Hole In Soil	31.91
31 23 16 16-0013	VLF	30" Diameter Hole, Auger By Machine Post Hole In Soil	38.30
31 23 16 16-0014	VLF	36" Diameter Hole, Auger By Machine Post Hole In Soil	47.87

31 23 16 16-0015 Drilling Post Hole In Rock *(31 23 16 16-0001)*

31 23 16 16-0016	CF	Jackhammer Post Hole, Rock	81.85
31 23 16 16-0017	CF	Rock Drill Post Hole, Rock	21.77

31 23 16 16-0018 Post Hole Fill *(31 23 16 16-0001)*

31 23 16 16-0019 Concrete Fill *(31 23 16 16-0018)*

31 23 16 16-0020	VLF	Concrete Fill, Up To 2-1/2" Diameter Hole	6.55
31 23 16 16-0021	VLF	Concrete Fill, 2-1/2" Diameter Hole	8.42
31 23 16 16-0022	VLF	Concrete Fill, 3" Diameter Hole	9.26
31 23 16 16-0023	VLF	Concrete Fill, 4" Diameter Hole	10.64
31 23 16 16-0024	VLF	Concrete Fill, 6" Diameter Hole	14.99
31 23 16 16-0025	VLF	Concrete Fill, 8" Diameter Hole	20.01
31 23 16 16-0026	VLF	Concrete Fill, 10" Diameter Hole	24.46
31 23 16 16-0027	VLF	Concrete Fill, 12" Diameter Hole	28.53
31 23 16 16-0028	VLF	Concrete Fill, 18" Diameter Hole	38.83
31 23 16 16-0029	VLF	Concrete Fill, 24" Diameter Hole	48.13
31 23 16 16-0030	VLF	Concrete Fill, 30" Diameter Hole	57.20
31 23 16 16-0031	VLF	Concrete Fill, 36" Diameter Hole	66.62

31 23 16 16-0032 Grout Fill *(31 23 16 16-0018)*

31 23 16 16-0033	VLF	Grout Fill, Up To 2-1/2" Diameter Hole	7.78
31 23 16 16-0034	VLF	Grout Fill, 2-1/2" Diameter Hole	10.02
31 23 16 16-0035	VLF	Grout Fill, 3" Diameter Hole	10.90
31 23 16 16-0036	VLF	Grout Fill, 4" Diameter Hole	12.24
31 23 16 16-0037	VLF	Grout Fill, 6" Diameter Hole	17.09
31 23 16 16-0038	VLF	Grout Fill, 8" Diameter Hole	22.81
31 23 16 16-0039	VLF	Grout Fill, 10" Diameter Hole	27.80
31 23 16 16-0040	VLF	Grout Fill, 12" Diameter Hole	32.26
31 23 16 16-0041	VLF	Grout Fill, 18" Diameter Hole	43.08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 16-0042	VLF	Grout Fill, 24" Diameter Hole	52.60	
31 23 16 16-0043	VLF	Grout Fill, 30" Diameter Hole	61.81	
31 23 16 16-0044	VLF	Grout Fill, 36" Diameter Hole	71.25	

31 23 16 16-0045 Earth Fill, Compacted *(31 23 16 16-0018)*

31 23 16 16-0046	VLF	Earth Fill, Up To 2-1/2" Diameter Hole	5.54	
31 23 16 16-0047	VLF	Earth Fill, 2-1/2" Diameter Hole	7.22	
31 23 16 16-0048	VLF	Earth Fill, 3" Diameter Hole	7.54	
31 23 16 16-0049	VLF	Earth Fill, 4" Diameter Hole	7.76	
31 23 16 16-0050	VLF	Earth Fill, 6" Diameter Hole	10.37	
31 23 16 16-0051	VLF	Earth Fill, 8" Diameter Hole	13.83	
31 23 16 16-0052	VLF	Earth Fill, 10" Diameter Hole	16.60	
31 23 16 16-0053	VLF	Earth Fill, 12" Diameter Hole	18.82	
31 23 16 16-0054	VLF	Earth Fill, 18" Diameter Hole	22.93	
31 23 16 16-0055	VLF	Earth Fill, 24" Diameter Hole	25.73	
31 23 16 16-0056	VLF	Earth Fill, 30" Diameter Hole	28.22	
31 23 16 16-0057	VLF	Earth Fill, 36" Diameter Hole	30.44	

31 23 16 26 Rock Removal *(31 23 16)*

31 23 16 26-0001 Rock Breaking By Machine *(31 23 16 26)*

Note: Excludes excavation of broken-up rock.

31 23 16 26-0002	CY	Rock Breaking By Machine, Soft Sedimentary Rocks (Shale, Sandstone, Limestone)	29.10	
31 23 16 26-0003	CY	Rock Breaking By Machine, Medium Metamorphic Rock (Slate)	31.05	
31 23 16 26-0004	CY	Rock Breaking By Machine, Hard Igneous Rock (Granite, Basalt)	36.87	

31 23 16 33 Bulk Excavation *(31 23 16)*

Note: For excavations where the total quantity for a project is greater than 500 cubic yards. See CSI section 31 05 16 00-0000 for imported material, 31 23 16 36-0000 for less than 500 CY excavation.

31 23 16 33-0001 Excavation *(31 23 16 33)*

Note: For bulk excavation. Includes stockpiling excavated materials within 100' of point of excavation.

31 23 16 33-0002	CY	Bulk Excavation by Dozer in Soil	11.09	
		For Excavation In Light Material (Class A), Deduct		*-1.39*
		For Excavation In Heavy/Wet Material (Class C), Add		*4.44*
		For >1,000, Deduct		*-1.66*
31 23 16 33-0003	CY	Bulk Excavation by Hydraulic Excavator, Front End Loader, Backhoe in Soil	6.27	
		For Excavation In Light Material (Class A), Deduct		*-0.78*
		For Excavation In Heavy/Wet Material (Class C), Add		*2.51*
		For >1,000, Deduct		*-0.94*
31 23 16 33-0004	CY	Bulk Excavation by Dozer in Loose Rock Note: Includes compacted aggregate	13.64	
		For >1,000, Deduct		*-2.05*
31 23 16 33-0005	CY	Bulk Excavation by Hydraulic Excavator, Front End Loader, Backhoe in Loose Rock Note: Includes compacted aggregate	7.72	
		For >1,000, Deduct		*-1.16*

31 23 16 33-0006 Spreading, Shaping And Rough Grading *(31 23 16 33)*

Note: Imported or stockpiled material for bulk excavation.

31 23 16 33-0007	CY	Spreading, Shaping, and Rough Grading Imported or Stockpiled Material for Bulk Excavation by Machine	6.84	
		For >1,000, Deduct		*-1.03*

31 23 16 33-0008 Cutting, Shaping and Rough Grading Of Existing Elevations *(31 23 16 33)*

31 23 16 33-0009	CY	Cutting, Shaping and Rough Grading Existing Elevations For Bulk Excavation by Machine	7.61	
		For >1,000, Deduct		*-1.14*

31 23 16 33-0010 Relocating On Site Excavated Material From Excavation *(31 23 16 33)*

Note: For bulk excavation.

31 23 16 33-0011	CY	Relocating On Site Excavated Material From Bulk Excavation >100' to 300'	6.08	
		For >1,000, Deduct		*-0.91*
31 23 16 33-0012	CY	Relocating On Site Excavated Material From Bulk Excavation >300' to 500'	9.13	
		For >1,000, Deduct		*-1.37*
31 23 16 33-0013	CY	Relocating On Site Excavated Material From Bulk Excavation >500' To 1,000'	13.69	
		For >1,000, Deduct		*-2.05*
31 23 16 33-0014	CY	Relocating On Site Excavated Material From Bulk Excavation >1,000'	18.26	
		For >1,000, Deduct		*-2.74*

31 23 16 33-0015 Finish Grading For Bulk Excavation *(31 23 16 33)*

31 23 16 33-0016	SY	Finish Grading for Bulk Excavation by Machine	0.76	

31 23 16 33-0017 Compaction Of Fill Or Subbase, Per Lift *(31 23 16 33)*

Note: For bulk excavation. See CSI section 31 23 23 23-0001 for compaction water.

31 23 16 33-0018	SY	Compaction of Fill or Subbase for Bulk Excavation by Machine Note: Per Lift	0.78	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 33-0019		**Loading Excess Material For Removal From Excavation** *(31 23 16 33)* Note: For bulk excavation. Includes handwork by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stockpiling. See CSI section 01 74 19 00-0041 for hauling.		
31 23 16 33-0020	CY	Loading Excess Material For Removal From Bulk Excavation	6.21	
		For >1,000, Deduct	*-0.93*	
31 23 16 36		**Excavation for Building Foundations and Other Structures** *(31 23 16)* Note: Use of a Bobcat is limited to access restricted areas and by owner's approval. See CSI section 31 05 16 00-0000 for imported material, 31 23 16 33-0000 for bulk excavation operations over 500 CY.		
31 23 16 36-0001		**Excavation** *(31 23 16 36)* Note: For building foundations and other structures by machine. Includes stockpiling of excess materials on ground in reach of excavated area.		
31 23 16 36-0002		**Excavation For Building Foundations And Other Structures By Skid-Steer Loader** *(31 23 16 36-0001)*		
31 23 16 36-0003	CY	Excavation For Building Foundations And Other Structures By Skid-Steer Loader In Soil	10.17	
		For Excavation In Light Material (Class A), Deduct	*-1.27*	
		For Excavation In Heavy/Wet Material (Class C), Add	*4.07*	
		For Up To 20, Add	*10.17*	
		For >20 To 50, Add	*7.63*	
		For >50 To 250, Add	*4.07*	
		For >250 To 500, Add	*1.53*	
31 23 16 36-0004	CY	Excavation For Building Foundations And Other Structures By Skid-Steer Loader In Loose Rock Note: Includes compacted aggregate	12.63	
		For Up To 20, Add	*12.63*	
		For >20 To 50, Add	*9.47*	
		For >50 To 250, Add	*5.05*	
		For >250 To 500, Add	*1.89*	
31 23 16 36-0005		**Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader** *(31 23 16 36-0001)*		
31 23 16 36-0006	CY	Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Soil	7.52	
		For Excavation In Light Material (Class A), Deduct	*-0.94*	
		For Excavation In Heavy/Wet Material (Class C), Add	*3.01*	
		For Up To 20, Add	*7.52*	
		For >20 To 50, Add	*5.64*	
		For >50 To 250, Add	*3.01*	
		For >250 To 500, Add	*1.13*	
31 23 16 36-0007	CY	Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Loose Rock Note: Includes compacted aggregate	8.96	
		For Up To 20, Add	*8.96*	
		For >20 To 50, Add	*6.72*	
		For >50 To 250, Add	*3.58*	
		For >250 To 500, Add	*1.34*	
31 23 16 36-0008		**Excavation For Building Foundations And Other Structures By Hand** *(31 23 16 36-0001)* Note: For areas not accessible by machine and only with owner's approval.		
31 23 16 36-0009	CY	Excavation For Building Foundations And Other Structures By Hand in Soil	149.39	
		For Excavation In Light Material (Class A), Deduct	*-18.67*	
		For Excavation In Heavy/Wet Material (Class C), Add	*59.76*	
31 23 16 36-0010	CY	Excavation For Building Foundations And Other Structures By Hand in Loose Rock Note: Includes compacted aggregate	256.27	
31 23 16 36-0011		**Relocating On Site Excavated Stockpiled Material From Excavation** *(31 23 16 36)* Note: For building foundations and other structures.		
31 23 16 36-0012	CY	Relocating On Site Excavated Stockpiled Material With Dozer From Excavation For Building Foundations and Other Structures >100' to 300'	6.08	
		For Up To 20, Add	*6.08*	
		For >20 To 50, Add	*4.56*	
		For >50 To 250, Add	*2.43*	
		For >250 To 500, Add	*0.91*	
31 23 16 36-0013	CY	Relocating On Site Excavated Stockpiled Material With Dozer From Excavation For Building Foundations and Other Structures >300' to 500'	9.13	
		For Up To 20, Add	*9.13*	
		For >20 To 50, Add	*6.85*	
		For >50 To 250, Add	*3.65*	
		For >250 To 500, Add	*1.37*	
31 23 16 36-0014	CY	Relocating On Site Excavated Stockpiled Material With Dozer From Excavation For Building Foundations and Other Structures >500' to 1,000'	13.69	
		For Up To 20, Add	*13.69*	
		For >20 To 50, Add	*10.27*	
		For >50 To 250, Add	*5.48*	
		For >250 To 500, Add	*2.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 36-0015	CY	Relocating On Site Excavated Stockpiled Material With Dozer From Excavation For Building Foundations and Other Structures >1,000'	18.26	
		For Up To 20, Add	*18.26*	
		For >20 To 50, Add	*13.70*	
		For >50 To 250, Add	*7.30*	
		For >250 To 500, Add	*2.74*	

31 23 16 36-0016 Backfilling *(31 23 16 36)*

Note: For building foundations and other structures with imported or stockpiled materials. Includes rough grading each backfill lift.

31 23 16 36-0017	CY	Backfilling Around Building Foundations And Other Structures By Skid-Steer Loader	5.02	
		For Up To 20, Add	*5.02*	
		For >20 To 50, Add	*3.77*	
		For >50 To 250, Add	*2.01*	
		For >250 To 500, Add	*0.75*	
31 23 16 36-0018	CY	Backfilling Around Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader	5.83	
		For Up To 20, Add	*5.83*	
		For >20 To 50, Add	*4.37*	
		For >50 To 250, Add	*2.33*	
		For >250 To 500, Add	*0.87*	
31 23 16 36-0019	CY	Backfilling Around Building Foundations And Other Structures By Hand	71.14	

31 23 16 36-0020 Compaction Of Fill Or Subbase *(31 23 16 36)*

Note: For building foundations and other structures. See CSI section 31 23 23 23-0001 for compaction water.

31 23 16 36-0021	CY	Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Vibratory Plate, Air Tamper, Etcetera	13.70	
		For Up To 20, Add	*13.70*	
		For >20 To 50, Add	*10.28*	
		For >50 To 250, Add	*5.48*	
		For >250 To 500, Add	*2.06*	
31 23 16 36-0022	CY	Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Hand	46.81	

31 23 16 36-0023 Grading For Building Foundations And Other Structures *(31 23 16 36)*

31 23 16 36-0024	SY	Rough Grading For Building Foundations And Other Structures by Machine	1.31	
31 23 16 36-0025	SY	Finish Grading For Building Foundations And Other Structures by Machine	2.12	
31 23 16 36-0026	SY	Finish Grading For Building Foundations And Other Structures by Hand	13.83	

31 23 16 36-0027 Loading Excess Material For Removal From Excavation *(31 23 16 36)*

Note: For building foundations and other structures. Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stockpiling. See CSI section 01 74 19 00-0041 for hauling.

31 23 16 36-0028	CY	Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Machine	6.47	
		For Up To 20, Add	*6.47*	
		For >20 To 50, Add	*4.85*	
		For >50 To 250, Add	*2.59*	
		For >250 To 500, Add	*0.97*	
31 23 16 36-0029	CY	Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Hand	109.55	

31 23 16 36-0030 Spread Excess Or Imported Material And Grade On Site *(31 23 16 36)*

Note: For building foundations and other structures.

31 23 16 36-0031	CY	Spread Excess Or Imported Material And Rough Grade On Site By Machine	3.55	
		For Up To 20, Add	*3.55*	
		For >20 To 50, Add	*2.66*	
		For >50 To 250, Add	*1.42*	
		For >250 To 500, Add	*0.53*	
31 23 16 36-0032	CY	Spread Excess Or Imported Material And Rough Grade On Site By Hand	60.45	

31 23 16 46 Excavation Operations to Expose Underground Pipes and Structures *(31 23 16)*

Note: Includes work above, beside and under pipe. Pipes up to 82" in diameter. Use this section for trenching operations even if the total project volume exceeds 500 CY. Use tasks for work by hand only for areas not accessible by machine. See CSI section 31 23 16 13-0017 for loading excess material, 31 23 16 13-0020 for spreading excess material.

31 23 16 46-0001 Excavation To Expose Underground Pipe Or Structures *(31 23 16 46)*

Note: Includes stockpiling excess materials and trimming sides and bottom of trench. Excludes rock breaking.

31 23 16 46-0002 Excavation By Machine To Expose Underground Pipe Or Structure *(31 23 16 46-0001)*

31 23 16 46-0003	CY	Excavation By Hydraulic Excavator, Backhoe, Loader in Soil/Common Excavation To Expose Underground Pipes And Structures	15.06	
		For Excavation In Light Material (Class A), Deduct	*-1.88*	
		For Excavation In Heavy/Wet Material (Class C), Add	*6.02*	
		For Up To 20, Add	*15.06*	
		For >20 To 50, Add	*11.30*	
		For >50 To 250, Add	*6.02*	
		For >250 To 500, Add	*2.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 46-0004	CY	Excavation By Hydraulic Excavator, Backhoe, Loader in Loose Rock To Expose Underground Pipes And Structures	17.88	
		For Up To 20, Add	*17.88*	
		For >20 To 50, Add	*13.41*	
		For >50 To 250, Add	*7.15*	
		For >250 To 500, Add	*2.68*	

31 23 16 46-0005 Excavation By Hand To Expose Underground Pipe Or Structure *(31 23 16 46-0001)*

31 23 16 46-0006	CY	Excavation By Hand In Soil To Expose Underground Pipes And Structures Note: Includes stockpiling excess materials and trimming sides and bottom of trench.	186.74	
31 23 16 46-0007	CY	Excavation By Hand In Loose Rock To Expose Underground Pipes And Structures Note: Includes stockpiling excess materials and trimming sides and bottom of trench.	278.87	

31 23 16 46-0008 Backfilling Or Placing Subbase At Exposed Underground Pipe Or Structures *(31 23 16 46)*

Note: With imported or stockpiled materials

31 23 16 46-0009	CY	Backfilling By Hydraulic Excavator, Backhoe, Loader At Exposed Underground Pipes And Structures	11.29	
		For >20 To 50, Add	*8.47*	
		For >50 To 250, Add	*4.52*	
		For >250 To 500, Add	*1.69*	
31 23 16 46-0010	CY	Backfilling by Hand At Exposed Underground Pipes And Structures	84.66	

31 23 16 46-0011 Compaction Of Fill Or Subbase At Exposed Underground Pipe Or Structures *(31 23 16 46)*

Note: With imported or stockpiled materials

31 23 16 46-0012	CY	Compaction of Fill or Subbase by Mechanical Means At Exposed Underground Pipe Or Structures	17.26	
		For Up To 20, Add	*17.26*	
		For >20 To 50, Add	*12.95*	
		For >50 To 250, Add	*6.90*	
		For >250 To 500, Add	*2.59*	
31 23 16 46-0013	CY	Compaction of Fill or Subbase by Hand At Exposed Underground Pipe Or Structures	56.18	

31 23 16 46-0014 Loading Excess Material For Removal From Excavation At Exposed Underground Pipe Or Structures *(31 23 16 46)*

Note: Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stockpiling. See CSI section 01 74 19 00-0041 for hauling.

31 23 16 46-0015	CY	Load Excess Material by Machine for Removal from Excavation At Exposed Underground Pipe Or Structures	7.58	
		For Up To 20, Add	*7.58*	
		For >20 To 50, Add	*5.69*	
		For >50 To 250, Add	*3.03*	
		For >250 To 500, Add	*1.14*	
		For >1,000, Deduct	*-1.14*	
31 23 16 46-0016	CY	Load Excess Material by Hand for Removal from Excavation At Exposed Underground Pipe Or Structures	109.55	

31 23 16 46-0017 Spread Excess Or Imported Material And Grade At Exposed Underground Pipe Or Structures *(31 23 16 46)*

Note: Includes hand work by laborer for clean-up.

31 23 16 46-0018	CY	Spread Excess Or Imported Material And Grade On Site By Machine At Exposed Underground Pipe Or Structures	3.55	
		For Up To 20, Add	*3.55*	
		For >20 To 50, Add	*2.66*	
		For >50 To 250, Add	*1.42*	
		For >250 To 500, Add	*0.53*	
		For >1,000, Deduct	*-0.53*	
31 23 16 46-0019	CY	Spread Excess Or Imported Material And Grade On Site By Hand At Exposed Underground Pipe Or Structures	60.45	

31 23 19 Dewatering *(31 23)*

31 23 19 00-0001 Well Point Dewatering System *(31 23 19)*

31 23 19 00-0002 Delivery, Installation And Removal Cost *(31 23 19 00-0001)*

Note: Priced by linear foot of header used.

31 23 19 00-0003	LF	Up To 100' In Length Well Point System Delivery, Installation And Removal	146.73
31 23 19 00-0004	LF	>100' To 250' In Length Well Point System Delivery, Installation And Removal	80.70
31 23 19 00-0005	LF	>250' To 500' In Length Well Point System Delivery, Installation And Removal	73.37
31 23 19 00-0006	LF	>250' To 500' In Length Well Point System Delivery, Installation And Removal	66.03
31 23 19 00-0007	LF	>500' To 1,000' In Length Well Point System Delivery, Installation And Removal	58.70
31 23 19 00-0008	LF	>1,000' In Length Well Point System Delivery, Installation And Removal	51.36

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LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 19 00-0009		**Well Point Dewatering System Rental** *(31 23 19 00-0001)* Note: Includes all necessary equipment for a well point system (well point with risers, pump, valves, header pipe, discharge pipe, etc.). Use normal adjustment factor only for rental tasks and modifiers. Unit of measure and modifier quantities are based on linear feet of header per day (ex. 200' of header for four days - quantity should be 200'x4 or 800'). Rental days include weekends, when appropriate, regardless if the system is operational during that time. Use weekly modifier for system use of five days to less than a month. Use monthly modifier for system use of one month or greater. See CSI section 31 23 19 00-0002 for installation, 31 23 19 00-0015 for operational costs.		
31 23 19 00-0010	LFD	Up To 100' In Length Well Point System Rental (LF x Days = Quantity)	2.65	
		For >5 Days And <1 Month, Deduct	*-0.58*	
		For >1 Month, Deduct	*-0.74*	
31 23 19 00-0011	LFD	>100' To 250' In Length Well Point System Rental (LF x Days = Quantity)	1.55	
		For >5 Days And <1 Month, Deduct	*-0.34*	
		For >1 Month, Deduct	*-0.43*	
31 23 19 00-0012	LFD	>250' To 500' In Length Well Point System Rental (LF x Days = Quantity)	1.10	
		For >5 Days And <1 Month, Deduct	*-0.24*	
		For >1 Month, Deduct	*-0.31*	
31 23 19 00-0013	LFD	>500' To 1,000' In Length Well Point System Rental (LF x Days = Quantity)	0.81	
		For >5 Days And <1 Month, Deduct	*-0.18*	
		For >1 Month, Deduct	*-0.23*	
31 23 19 00-0014	LFD	>1,000' In Length Well Point System Rental (LF x Days = Quantity)	0.74	
		For >5 Days And <1 Month, Deduct	*-0.16*	
		For >1 Month, Deduct	*-0.21*	
31 23 19 00-0015		**Well Point Dewatering System Operation Costs** *(31 23 19 00-0001)* Note: The quantity for operation shall be the total number of hours the well point system is operational.		
31 23 19 00-0016	HR	Operation Costs	118.57	

31 23 23 Fill *(31 23)*

31 23 23 23 Compaction *(31 23 23)*

31 23 23 23-0001		**Compaction Water, Water Truck And Operator** *(31 23 23 23)*		
31 23 23 23-0002	MGL	Compaction Water, Water Truck And Operator Note: Use this task in situations where earth fill, base material, etc. requires additional moisture to comply with the compaction specification. Includes delivery up to 15 miles. (Per each 1,000 gallons of water)	297.33	

31 23 23 33 Flowable Fill *(31 23 23)*

31 23 23 33-0001		**Flowable Fill (Fly Ash) Cement Backfill For Trenches** *(31 23 23 33)* Note: Includes compaction and restoration of final grade.		
31 23 23 33-0002	CY	Flowable Fill (Fly Ash) Cement Backfill for Trenches	148.25	
		For Up To 20, Add	*61.23*	
		For >20 To 50, Add	*39.70*	
		For >50 To 250, Add	*19.85*	
		For >500 To 1,000, Deduct	*-10.76*	
		For >1,000, Deduct	*-21.53*	

31 23 23 43 Geofoam *(31 23 23)*

31 23 23 43-0001		**Expanded Polystyrene (EPS) Geofoam Earthwork Void Fill** *(31 23 23 43)* Note: Excludes earthwork or backfill.		
31 23 23 43-0002	CY	1.15 To 1.25 Lb./CF Density, Expanded Polystyrene (EPS19) Geofoam Earthwork Void Fill Note: 3' x 4' x 8' length geofoam blocks	160.89	
		For Cutting To Shape, Add	*9.74*	
31 23 23 43-0003	CY	1.35 To 1.50 Lb./CF Density, Expanded Polystyrene (EPS22) Geofoam Earthwork Void Fill Note: 3' x 4' x 8' length geofoam blocks	182.82	
		For Cutting To Shape, Add	*11.69*	
31 23 23 43-0004	CY	1.80 To 2.00 Lb./CF Density, Expanded Polystyrene (EPS29) Geofoam Earthwork Void Fill Note: 3' x 4' x 8' length geofoam blocks	254.53	
		For Cutting To Shape, Add	*15.59*	
31 23 23 43-0005	CY	2.40 To 2.50 Lb./CF Density, Expanded Polystyrene (EPS39) Geofoam Earthwork Void Fill Note: 3' x 4' x 8' length geofoam blocks	307.97	
		For Cutting To Shape, Add	*19.48*	
31 23 23 43-0006	CY	2.75 To 2.85 Lb./CF Density, Expanded Polystyrene (EPS46) Geofoam Earthwork Void Fill Note: 3' x 4' x 8' length geofoam blocks	358.00	
		For Cutting To Shape, Add	*22.21*	

31 24 Embankments *(31 20)*

31 24 13 Roadway Embankments *(31 24)*

31 24 13 00-0001		**Roadway, Parking Areas, Landscaping And Embankment Excavation And Shaping Operations** *(31 24 13)* Note: Use this section for excavation and shaping operations even if the total quantity for the project exceeds 500 CY. See CSI section 31 05 16 00-0000 for imported material, 32 12 16 00-0000 for asphalt paving, 32 13 13 00-0000 for concrete paving.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 24 13 00-0002		**Cutting, Shaping And Rough Grading** *(31 24 13 00-0001)* Note: For roadways, parking areas, landscaping, and embankments. Includes loading or stockpiling excess materials within 300' of initial cut.		
31 24 13 00-0003		**Cutting, Shaping, And Rough Grading** *(31 24 13 00-0002)*		
31 24 13 00-0004	CY	Cut, Shape, and Rough Grading for Roadways, Parking Areas, Landscaping and Embankments by Machine in Soil	7.61	
		For Up To 20, Add	*7.61*	
		For >20 To 50, Add	*5.71*	
		For >50 To 250, Add	*3.04*	
		For >250 To 500, Add	*1.14*	
		For >1,000, Deduct	*-1.14*	
31 24 13 00-0005	CY	Cut, Shape, and Rough Grading for Roadways, Parking Areas, Landscaping and Embankments by Machine in Loose Rock Note: Includes compacted aggregate	9.43	
		For Up To 20, Add	*9.43*	
		For >20 To 50, Add	*7.07*	
		For >50 To 250, Add	*3.77*	
		For >250 To 500, Add	*1.41*	
		For >1,000, Deduct	*-1.41*	
31 24 13 00-0006		**Cutting, Shaping, And Rough Grading By Hand** *(31 24 13 00-0002)*		
31 24 13 00-0007	SY	Shape Embankment/Slope By Hand Up To 1 On 4 Slope	7.66	
31 24 13 00-0008	SY	Shape Embankment/Slope By Hand Greater Than 1 On 4 Slope	9.96	
31 24 13 00-0009		**Scarify Soil** *(31 24 13 00-0001)* Note: For roadways, parking areas, landscaping and embankments by machine.		
31 24 13 00-0010	CSF	Scarify Soil For Roadways, Parking Areas, Landscaping And Embankments By Machine	7.05	
		For Up To 20, Add	*3.53*	
		For >20 To 50, Add	*1.76*	
		For >250 To 500, Deduct	*-0.71*	
		For >500, Deduct	*-1.41*	
31 24 13 00-0011		**Relocating On Site Excavated Material** *(31 24 13 00-0001)*		
31 24 13 00-0012	CY	>500' To 1,000', Relocating On Site Excavated Material For Roadways, Parking Areas, Landscaping And Embankments By Machine	13.69	
		For Up To 20, Add	*13.69*	
		For >20 To 50, Add	*10.27*	
		For >50 To 250, Add	*5.48*	
		For >250 To 500, Add	*2.05*	
		For >1,000, Deduct	*-2.05*	
31 24 13 00-0013	CY	>1,000', Relocating On Site Excavated Material For Roadways, Parking Areas, Landscaping And Embankments By Machine	18.26	
		For Up To 20, Add	*18.26*	
		For >20 To 50, Add	*13.70*	
		For >50 To 250, Add	*7.30*	
		For >250 To 500, Add	*2.74*	
		For >1,000, Deduct	*-2.74*	
31 24 13 00-0014		**Spread And Shape Imported Or Stockpiled Material** *(31 24 13 00-0001)* Note: For roadways, parking areas, landscaping and embankments. See CSI section 31 23 16 36-0032 for spreading material by hand.		
31 24 13 00-0015	CY	Spread And Shape Imported Or Stockpiled Material For Roadways, Parking Areas, Landscaping and Embankments By Machine	8.37	
		For Up To 20, Add	*8.37*	
		For >20 To 50, Add	*6.28*	
		For >50 To 250, Add	*3.35*	
		For >250 To 500, Add	*1.26*	
		For >1,000, Deduct	*-1.26*	
31 24 13 00-0016		**Grading** *(31 24 13 00-0001)* Note: For roadways, parking areas, landscaping and embankments by machine.		
31 24 13 00-0017	SY	Rough Grade Roadway, Parking Areas, Landscaping And Embankments By Machine	0.86	
31 24 13 00-0018	SY	Finish Grade Roadway, Parking Areas, Landscaping And Embankments By Machine	1.15	
31 24 13 00-0019	LF	Finish Grade For Curb	1.30	
31 24 13 00-0020	LF	Finish Grade For Curb And Gutter	1.57	
31 24 13 00-0021	SY	Laser Grading For Fields by Machine	2.12	
31 24 13 00-0022		**Compaction Of Fill Or Subbase** *(31 24 13 00-0001)* Note: For roadways, parking areas, landscaping and embankments by machine, per lift.		
31 24 13 00-0023	SY	Compaction Of Fill Or Subbase For Roadways, Parking Areas, Landscaping And Embankments By Machine Per Lift	0.78	
		For Up To 250, Add	*0.78*	
		For >250 To 500, Add	*0.59*	
		For >500 To 1,000, Add	*0.31*	
		For >5,000, Deduct	*-0.12*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 24 13 00-0024			Loading Excess Material For Removal From Excavation *(31 24 13 00-0001)* Note: For roadways, parking areas, landscaping and embankments by machine. Includes handwork by laborer for clean-up.		
	31 24 13 00-0025	CY	Load Excess Material For Removal For Roadways, Parking Areas, Landscaping and Embankments by Machine	6.21	
			For Up To 20, Add	*6.21*	
			For >20 To 50, Add	*4.66*	
			For >50 To 250, Add	*2.48*	
			For >250 To 500, Add	*0.93*	
			For >1,000, Deduct	*-0.93*	

31 25 Erosion and Sedimentation Controls *(31 20)*

31 25 14 Stabilization Measures for Erosion and Sedimentation Control *(31 25)*

31 25 14 13 Hydraulically-Applied Erosion Control *(31 25 14)*

31 25 14 13-0001 Bonded Fiber Matrix *(31 25 14 13)*

31 25 14 13-0002	MSF	Up To 25,000 SF Bonded Fiber Matrix, Hydraulically Applied	65.34	
31 25 14 13-0003	MSF	>25,000 To 50,000 SF Bonded Fiber Matrix, Hydraulically Applied	59.96	
31 25 14 13-0004	MSF	>50,000 To 100,000 SF Bonded Fiber Matrix, Hydraulically Applied	55.39	
31 25 14 13-0005	MSF	>100,000 Bonded Fiber Matrix, Hydraulically Applied	52.79	

31 25 14 16 Rolled Erosion Control Mats and Blankets *(31 25 14)*

Note: Includes all staples and stakes for erosion control blankets and turf reinforcement mats.

31 25 14 16-0001 Erosion Control Blankets And Turf Reinforcement Mats *(31 25 14 16)*

31 25 14 16-0002 Erosion Control Blankets, Short Term, Light Duty *(31 25 14 16-0001)*

31 25 14 16-0003	SY	S75 Single Net Erosion Control Blanket Note: Straw matrix with degradable thread to a single standard photodegradable polypropylene netting as manufactured by North American Green.	3.17	
31 25 14 16-0004	SY	S75BN Single Net Erosion Control Blanket Note: Straw Matrix with Biodegradable Thread to a Single Natural Fiber Netting as manufactured by North American Green.	4.05	
31 25 14 16-0005	SY	Curlex 1, Single Net Erosion Control Blanket Note: As manufactured by American Excelsior	3.01	
31 25 14 16-0006	SY	Curlex 1, Single Net Erosion Control Blanket Note: As manufactured by American Green.	3.17	
31 25 14 16-0007	SY	Futerra Erosion Control Blanket, Wood Fibers With Biodegradable Netting	2.82	

31 25 14 16-0008 Erosion Control Blankets, Intermediate Duration *(31 25 14 16-0001)*

31 25 14 16-0009	SY	S150 Double Net Erosion Control Blanket Note: Straw matrix with degradable thread to a double standard photodegradable polypropylene netting as manufactured by North American Green.	4.07	
31 25 14 16-0010	SY	S150 BN Double Net Erosion Control Blanket Note: Straw matrix with biodegradable thread to a double natural fiber netting as manufactured by North American Green.	5.46	
31 25 14 16-0011	SY	Curlex II, Double Net Erosion Control Blanket, Natural Note: As manufactured by American Excelsior.	3.42	
31 25 14 16-0012	SY	Curlex II, Double Net Erosion Control Blanket, Green Note: As manufactured by American Excelsior.	3.57	
31 25 14 16-0013	SY	Enforcer Double Net Erosion Control Blanket Note: As manufactured by American Excelsior.	3.80	

31 25 14 16-0014 Turf Reinforcement Mats (TRM) *(31 25 14 16-0001)*

Note: Permanent, UV stabilized.

31 25 14 16-0015	SY	P300 Permanent Polypropylene Turf Reinforcement Mat Note: 100% synthetic, UV stabilized, two layer netting.	15.33	
31 25 14 16-0016	SY	C350 Permanent Turf Reinforcement Mat Note: 100% synthetic, UV stabilized netting incorporating natural coconut fibers as manufactured by North American Green.	14.12	
31 25 14 16-0017	SY	Recyclex TRM, Permanent Turf Reinforcement Mat Note: As manufactured by American Excelsior, 100% recycled	16.72	

31 25 14 16-0018 Jute Mesh Erosion Control Blankets *(31 25 14 16-0001)*

31 25 14 16-0019	SY	Jute Mesh, Open Uniform Weave	4.91	

31 25 14 16-0020 Revegetation Mat *(31 25 14 16-0001)*

31 25 14 16-0021	SY	3-Dimensional Webbed Revegetation Mat, Polyolefin Fiber Note: Polyolefin fibers oriented and mechanically bonded between two nets. Landlok TRM 450 or equal.	11.78	
31 25 14 16-0022	SY	Webbed Revegetation Mat, Polypropylene Fiber Note: Polypropylene fibers positioned between two high strength biaxially oriented nets and mechanically held together by parallel stitching with polypropylene thread. Landlok TRM 1060 or equal.	16.85	

31 25 14 23 Stabilization Measures for Erosion Control *(31 25 14)*

See CSI section 01 74 19 00-0041 for hauling greater than 15 miles.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 25 14 23-0001 Sand Bags *(31 25 14 23)*

Note: Bags filled on site with delivered material. Includes material and placement of bags.

31 25 14 23-0002	BAG	50 Lb. Capacity Sand Bag With Sand	7.41	3.15
		For >2,500 To 5,000, Deduct	*-0.63*	
		For >5,000, Deduct	*-1.37*	
31 25 14 23-0003	BAG	75 Lb. Capacity Sand Bag With Sand	9.52	3.91
		For >2,500 To 5,000, Deduct	*-0.78*	
		For >5,000, Deduct	*-1.73*	
31 25 14 23-0004	BAG	100 Lb. Capacity Sand Bag With Sand	11.99	4.68
		For >2,500 To 5,000, Deduct	*-0.94*	
		For >5,000, Deduct	*-2.13*	
31 25 14 23-0005	BAG	125 Lb. Capacity Sand Bag With Sand	14.76	5.85
		For >2,500 To 5,000, Deduct	*-1.17*	
		For >5,000, Deduct	*-2.65*	
31 25 14 23-0006	BAG	150 Lb. Capacity Sand Bag With Sand	17.96	7.01
		For >2,500 To 5,000, Deduct	*-1.40*	
		For >5,000, Deduct	*-3.20*	
31 25 14 23-0007	BAG	175 Lb. Capacity Sand Bag With Sand	20.92	7.97
		For >2,500 To 5,000, Deduct	*-1.59*	
		For >5,000, Deduct	*-3.69*	
31 25 14 23-0008	BAG	2,000 Lb. Capacity Sand Bag With Sand	160.97	54.14
		For >2,500 To 5,000, Deduct	*-9.70*	
		For >5,000, Deduct	*-25.80*	
31 25 14 23-0009	BAG	3,000 Lb. Capacity Sand Bag With Sand	207.57	59.55
		For >2,500 To 5,000, Deduct	*-10.67*	
		For >5,000, Deduct	*-31.43*	

31 25 14 23-0010 Gravel Bags *(31 25 14 23)*

Note: Bags filled on site with delivered material. Includes material and placement of bags.

31 25 14 23-0011	BAG	30 Lb. Capacity Gravel Bag With Gravel	6.91	2.10
		For >2,500 To 5,000, Deduct	*-0.42*	
		For >5,000, Deduct	*-1.11*	
31 25 14 23-0012	BAG	50 Lb. Capacity Gravel Bag With Gravel	12.36	3.15
		For >2,500 To 5,000, Deduct	*-0.63*	
		For >5,000, Deduct	*-1.87*	

31 25 14 23-0013 Floating Turbidity Curtain *(31 25 14 23)*

Note: Type 2 DOT fabric - 18 oz. nominal laminated vinyl/polyester. EPS flotation, 6" x 6", 13.5 lb/ft. buoyancy in fresh water and 14.4 lb/ft buoyancy in saltwater.

31 25 14 23-0014	LF	3' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	27.95	
		For Type 1, Deduct	*-4.23*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-2.58*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*3.13*	
31 25 14 23-0015	LF	4' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	30.28	
		For Type 1, Deduct	*-4.66*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-2.84*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*3.44*	
31 25 14 23-0016	LF	5' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	33.47	
		For Type 1, Deduct	*-5.28*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-3.21*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*3.90*	
31 25 14 23-0017	LF	6' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	36.20	
		For Type 1, Deduct	*-5.79*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-3.52*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*4.28*	
31 25 14 23-0018	LF	7' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	37.99	
		For Type 1, Deduct	*-6.07*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-3.69*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*4.49*	
31 25 14 23-0019	LF	8' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	39.80	
		For Type 1, Deduct	*-6.35*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-3.87*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*4.70*	
31 25 14 23-0020	LF	9' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	41.88	
		For Type 1, Deduct	*-6.69*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-4.07*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*4.95*	
31 25 14 23-0021	LF	10' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	44.73	
		For Type 1, Deduct	*-7.20*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-4.38*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*5.32*	
31 25 14 23-0022	LF	12' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	46.99	
		For Type 1, Deduct	*-7.57*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-4.61*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*5.59*	
31 25 14 23-0023	LF	13' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	50.03	
		For Type 1, Deduct	*-8.10*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-4.93*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*5.99*	
31 25 14 23-0024	LF	14' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	52.85	
		For Type 1, Deduct	*-8.58*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-5.22*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*6.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 23-0025	LF	15' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	55.61	
		For Type 1, Deduct	*-9.03*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-5.50*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*6.68*	
31 25 14 23-0026	LF	16' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	60.47	
		For Type 1, Deduct	*-9.97*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-6.07*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*7.37*	
31 25 14 23-0027	LF	17' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	63.41	
		For Type 1, Deduct	*-10.45*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-6.36*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*7.72*	
31 25 14 23-0028	LF	18' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	66.27	
		For Type 1, Deduct	*-10.90*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-6.63*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*8.05*	
31 25 14 23-0029	LF	19' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	69.30	
		For Type 1, Deduct	*-11.38*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-6.93*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*8.41*	
31 25 14 23-0030	LF	20' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	72.26	
		For Type 1, Deduct	*-11.83*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-7.20*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*8.74*	

31 25 14 23-0031 Turbidity Curtain Anchors *(31 25 14 23)*

31 25 14 23-0032	EA	14 Lb., Turbidity Curtain Anchor System Note: Includes anchor, anchor chain, and marker buoy and rope.	738.72	
31 25 14 23-0033	EA	25 Lb., Turbidity Curtain Anchor System Note: Includes anchor, anchor chain, and marker buoy and rope.	1,011.31	
31 25 14 23-0034	EA	40 Lb., Turbidity Curtain Anchor System Note: Includes anchor, anchor chain, and marker buoy and rope.	1,285.07	
31 25 14 23-0035	EA	65 Lb., Turbidity Curtain Anchor System Note: Includes anchor, anchor chain, and marker buoy and rope.	1,679.31	

31 25 14 23-0036 Filter Bags *(31 25 14 23)*

31 25 14 23-0037 Non-Woven Filter Bags *(31 25 14 23-0036)*

31 25 14 23-0038	EA	6' x 15' Non-Woven Filter Bag	259.24	
31 25 14 23-0039	EA	13' x 15' Non-Woven Filter Bag	374.94	
31 25 14 23-0040	EA	15' x 15' Non-Woven Filter Bag	431.29	

31 25 14 23-0041 Monofilament Filter Bags *(31 25 14 23-0036)*

31 25 14 23-0042	EA	5' x 15' Monofilament Filter Bag	269.47	
31 25 14 23-0043	EA	10' x 15' Monofilament Filter Bag	372.87	

31 25 14 23-0044 Cable Articulating Concrete Block *(31 25 14 23)*

Note: 4000 PSI Compressive strength, 12 LB/CF maximum absorption. Interlocking block with longitudinal revetment cable. Includes anchoring block to 12" x 12" x 6" concrete pier every 5' with anchor and filling cells with stockpiled material. Excludes site preparation and imported materials.

31 25 14 23-0045	SF	4.75" Open Cell Articulated Concrete Block With Earth Backfill	44.00	
		For Up To 500, Add	*10.07*	
		For >500 To 1,000, Add	*5.67*	
31 25 14 23-0046	SF	6" Open Cell Articulated Concrete Block With Earth Backfill	50.02	
		For Up To 500, Add	*11.39*	
		For >500 To 1,000, Add	*6.39*	
31 25 14 23-0047	SF	7.5" Open Cell Articulated Concrete Block With Earth Backfill	56.95	
		For Up To 500, Add	*12.92*	
		For >500 To 1,000, Add	*7.22*	
31 25 14 23-0048	SF	9" Open Cell Articulated Concrete Block With Earth Backfill	64.09	
		For Up To 500, Add	*14.51*	
		For >500 To 1,000, Add	*8.10*	
31 25 14 23-0049	SF	4.75" Closed Cell Articulated Concrete Block	46.80	
		For Up To 500, Add	*10.63*	
		For >500 To 1,000, Add	*5.95*	
31 25 14 23-0050	SF	6" Closed Cell Articulated Concrete Block	53.37	
		For Up To 500, Add	*12.06*	
		For >500 To 1,000, Add	*6.72*	
31 25 14 23-0051	SF	7.5" Closed Cell Articulated Concrete Block	60.92	
		For Up To 500, Add	*13.71*	
		For >500 To 1,000, Add	*7.62*	
31 25 14 23-0052	SF	9" Closed Cell Articulated Concrete Block	68.63	
		For Up To 500, Add	*15.42*	
		For >500 To 1,000, Add	*8.56*	

31 25 14 26 Stabilization Measures for Sedimentation Control *(31 25 14)*

31 25 14 26-0001 Silt Fences And Dike Barriers *(31 25 14 26)*

Note: Includes stakes and embedding.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 25 14 26-0002 Silt Fences 2' High *(31 25 14 26-0001)*

See CSI section 31 25 14 26-0014 for removal of silt fence.

31 25 14 26-0003	LF	2' High Silt Fence with Stakes at 4' On Center	5.53
31 25 14 26-0004	LF	2' High Silt Fence with Stakes at 6' On Center	4.28
31 25 14 26-0005	LF	2' High Silt Fence with Stakes at 8' On Center	3.01
31 25 14 26-0006	LF	2' High Silt Fence with Stakes at 10' On Center	2.56

31 25 14 26-0007 Silt Fences 3' High *(31 25 14 26-0001)*

See CSI section 31 25 14 26-0014 for removal of silt fence.

31 25 14 26-0008	LF	3' High Silt Fence with Stakes at 4' On Center	6.54
31 25 14 26-0009	LF	3' High Silt Fence with Stakes at 6' On Center	5.09
31 25 14 26-0010	LF	3' High Silt Fence with Stakes at 8' On Center	3.54
31 25 14 26-0011	LF	3' High Silt Fence with Stakes at 10' On Center	2.90

31 25 14 26-0012 Silt Dike Barrier *(31 25 14 26-0001)*

31 25 14 26-0013	LF	Silt Dike Barrier With Stakes	4.44

31 25 14 26-0014 Silt Fences Removal *(31 25 14 26-0001)*

31 25 14 26-0015	LF	Removal Of Silt Fence And Stakes	0.99

31 25 14 26-0016 Hay And Straw Bales *(31 25 14 26)*

Note: Includes trench for placement, and stakes.

31 25 14 26-0017	LF	Place Sterilized Straw Bales	4.88
		Note: Includes securing in ground with stakes. See CSI section 31 25 14 26-0019 for removal of straw bale.	
31 25 14 26-0018	LF	Place Hay Bales	4.62
		Note: Includes securing in ground with stakes. See CSI section 31 25 14 26-0019 for removal of hay bale.	
31 25 14 26-0019	LF	Removal Of Hay Or Straw Bales	1.78
		Note: Includes removal of stakes.	

31 25 14 26-0020 Sediment Logs (Degradable) *(31 25 14 26)*

31 25 14 26-0021 Sediment Logs (Degradable) *(31 25 14 26-0020)*

Note: Includes stakes and removal after use. Curlex sediment logs as manufactured by American Excelsior.

31 25 14 26-0022	LF	9" Sediment Fiber Roll Log	6.62
31 25 14 26-0023	LF	12" Sediment Fiber Roll Log	7.60
31 25 14 26-0024	LF	20" Sediment Fiber Roll Log	11.54

31 25 14 26-0025 Wattles (Degradable) With UV Stabilized Synthetic Netting *(31 25 14 26-0020)*

Note: Includes trench for placement, 24" wood staking at 4' on-center

31 25 14 26-0026	EA	Wattles (Sterile Straw Filled Rolls), 8" x 25'	130.34
31 25 14 26-0027	EA	Wattles (Sterile Straw Filled Rolls), 9" x 25'	136.07
31 25 14 26-0028	EA	Wattles (Sterile Straw Filled Rolls), 12" x 20'	142.80
31 25 14 26-0029	EA	Wattles (Sterile Straw Filled Rolls), 20" x 10'	148.43

31 25 14 26-0030 Fiber Roll (CALTRANS Type 1) *(31 25 14 26)*

Note: Includes furrow trench for placement, 24" wood staking at 4' on-center

31 25 14 26-0031	LF	8" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 1	7.04
		For >1,000 To 10,000, Deduct	*-0.87*
		For >10,000, Deduct	*-1.46*
31 25 14 26-0032	LF	9" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 1	7.32
		For >1,000 To 10,000, Deduct	*-0.88*
		For >10,000, Deduct	*-1.48*
31 25 14 26-0033	LF	12" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 1	9.46
		For >1,000 To 10,000, Deduct	*-1.05*
		For >10,000, Deduct	*-1.78*

31 25 14 26-0034 Fiber Roll (CALTRANS Type 2) *(31 25 14 26)*

Note: Includes 24" wood stakes at 2' on-center off-set on sides with ropes.

31 25 14 26-0035	LF	8" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 2	5.53
		For >1,000 To 10,000, Deduct	*-0.64*
		For >10,000, Deduct	*-1.08*
31 25 14 26-0036	LF	9" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 2	6.01
		For >1,000 To 10,000, Deduct	*-0.68*
		For >10,000, Deduct	*-1.15*
31 25 14 26-0037	LF	12" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 2	7.45
		For >1,000 To 10,000, Deduct	*-0.75*
		For >10,000, Deduct	*-1.28*

31 25 14 26-0038 Inlet Protection Sediment Bags *(31 25 14 26)*

Note: Includes removal, cleaning, and replacement per each location.

31 25 14 26-0039	EA	2' x 2' x 3' Inlet Protection Sediment Bag	74.66
31 25 14 26-0040	EA	2' x 3' x 3' Inlet Protection Sediment Bag	86.83
31 25 14 26-0041	EA	2' x 4' x 3' Inlet Protection Sediment Bag	95.17

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 30 Earthwork Methods *(31)*

31 31 Soil Treatment *(31 30)*

31 31 16 Termite Control *(31 31)*

31 31 16 13 Chemical Termite Control *(31 31 16)*

31 31 16 13-0001 Commercial Use *(31 31 16 13)*

31 31 16 13-0002	SF	Termite Pretreatment, Commercial Soil Poisoning Under Slab	0.86	
31 31 16 13-0003	SF	Termite Pretreatment, Commercial Slab And Walls	1.21	

31 31 16 13-0004 Residential Use *(31 31 16 13)*

31 31 16 13-0005	SF	Termite Pretreatment, Residential General Spraying Walls And Slab	1.24	
31 31 16 13-0006	SF	Termite Treatment, Existing Residential Structure	1.35	

31 31 19 Vegetation Control *(31 31)*

31 31 19 13 Chemical Vegetation Control *(31 31 19)*

31 31 19 13-0001 Soil Sterilants *(31 31 19 13)*

31 31 19 13-0002	MSF	Soil Sterilant Note: Use only in areas where complete control of all vegetation is desired, such as industrial sites, right-of-way, lumberyards, petroleum tank farms, around farm buildings, along fence lines, etc. When applied to the soil, this product usually inhibits plant growth for a year or more.	34.27	
		For >45 To 90, Deduct	*-0.52*	
		For >90 To 225, Deduct	*-2.75*	
		For >225, Deduct	*-3.78*	

31 32 Soil Stabilization *(31 30)*

31 32 13 Soil Mixing Stabilization *(31 32)*

31 32 13 16 Cement Soil Stabilization *(31 32 13)*

31 32 13 16-0001 Cementitious Soil Binder *(31 32 13 16)*

31 32 13 16-0002	CY	Cementitious Soil Binder, 4% Cement Mix By Volume	41.84
31 32 13 16-0003	CY	Cementitious Soil Binder, 6% Cement Mix By Volume	48.00
31 32 13 16-0004	CY	Cementitious Soil Binder, 9% Cement Mix By Volume	58.13
31 32 13 16-0005	CY	Cementitious Soil Binder, 12% Cement Mix By Volume	68.12

31 32 13 19 Lime Soil Stabilization *(31 32 13)*

Note: Includes delivery up to 15 miles from the closest approved source, the cost for loading, and dumping. The price excludes the cost for spreading or backfilling. See CSI section 01 74 19 00-0041 for hauling greater than 15 miles.

31 32 13 19-0001 Lime Slurry *(31 32 13 19)*

31 32 13 19-0002	LCY	Soil Stabilization With Lime Slurry 10% Lime Slurry By Volume	37.68	
31 32 13 19-0003	TON	Cement Stabilized Base Material	131.56	
31 32 13 19-0004	CWT	Lime For Soil Stabilization Note: Excludes the cost for spreading or backfilling	21.18	
31 32 13 19-0005	LCY	Roller, Grader - Lime Stabilization	18.71	
31 32 13 19-0006	LCY	Roller, Grader - Cement Stabilization	4.41	

31 32 13 19-0007 Lime Stabilized Subgrade *(31 32 13 19)*

Note: Based on soil weight of 110 LB/CF using lime weight of 5.5 LB/CF (5%).

31 32 13 19-0008	SY	6" Thick Lime Stabilized Subgrade, 25 Lb.	13.10	
		For 4% Lime Instead Of 5%, Deduct	*-0.38*	
		For 6% Lime Instead Of 5%, Add	*0.38*	
31 32 13 19-0009	SY	7" Thick Lime Stabilized Subgrade, 29 Lb.	15.19	
		For 4% Lime Instead Of 5%, Deduct	*-0.43*	
		For 6% Lime Instead Of 5%, Add	*0.43*	
31 32 13 19-0010	SY	8" Thick Lime Stabilized Subgrade, 33 Lb.	17.33	
		For 4% Lime Instead Of 5%, Deduct	*-0.49*	
		For 6% Lime Instead Of 5%, Add	*0.49*	

31 32 13 29 Liquid Soil Stabilization *(31 32 13)*

31 32 13 29-0001	GAL	Polyacrylamide And Calcium Solution	2.87	
31 32 13 29-0002	GAL	Synthetic, Liquid Dust Suppression Fluid With GTL Technology (Soil Works Durasoil) Note: GTL (Gas-to-Liquid)	10.71	
31 32 13 29-0003	GAL	Biodegradable, Liquid Copolymer Dust Suppression Fluid (Soil Works Gorrila-Snot)	5.14	

31 32 16 Chemical Treatment Soil Stabilization *(31 32)*

31 32 16 13 Polymer Emulsion Soil Stabilization *(31 32 16)*

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 32 16 13-0001 Blended Co-Polymer Paving Systems (TechniSoil) *(31 32 16 13)*

31 32 16 13-0002 SF 3" Thick, Blended Co-Polymer Paving System Premixed With Decomposed Granite (TechniSoil) 9.08
31 32 16 13-0003 SF Blended Co-Polymer Topical Spray (TechniSoil) 3.22

31 32 19 Geosynthetic Soil Stabilization and Layer Separation *(31 32)*

31 32 19 13 Geogrid Soil Stabilization *(31 32 19)*

31 32 19 13-0001 Geogrid Fabrics *(31 32 19 13)*

Note: For reinforcement of over steepened earth slopes, segmental retaining walls and other mechanically stabilized earth applications. Includes stakes.

31 32 19 13-0002 SY 5.3 Ounce/SY, 1,700 Lb./FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-150) 5.46
For Up To 50, Add *1.22*
For >50 To 150, Add *0.90*
For >150 To 250, Add *0.59*
For >250 To 500, Add *0.29*

31 32 19 13-0003 SY 6.9 Ounce/SY, 3,100 Lb./FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-300) 6.23
For Up To 50, Add *1.38*
For >50 To 150, Add *1.02*
For >150 To 250, Add *0.67*
For >250 To 500, Add *0.33*

31 32 19 13-0004 SY 8.7 Ounce/SY, 4,280 Lb./FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-500) 6.80
For Up To 50, Add *1.50*
For >50 To 150, Add *1.11*
For >150 To 250, Add *0.73*
For >250 To 500, Add *0.36*

31 32 19 13-0005 SY 12.6 Ounce/SY, 7,315 Lb./FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-800) 9.78
For Up To 50, Add *2.10*
For >50 To 150, Add *1.56*
For >150 To 250, Add *1.03*
For >250 To 500, Add *0.51*

31 32 19 13-0006 SY 14.1 Ounce/SY, 9,790 Lb./FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-1000) 11.19
For Up To 50, Add *2.39*
For >50 To 150, Add *1.78*
For >150 To 250, Add *1.17*
For >250 To 500, Add *0.58*

31 32 19 13-0007 SY 4.3 Ounce/SY, 1,658 Lb./FT Wide Width Tensile Ultimate Bi-Axial Extruded Polypropylene Geogrid Fabric (Carthage Mills Enkagrid Max 20) 5.55
For Up To 50, Add *1.23*
For >50 To 150, Add *0.91*
For >150 To 250, Add *0.60*
For >250 To 500, Add *0.30*

31 32 19 13-0008 SY 5.9 Ounce/SY, 2,192 Lb./FT Wide Width Tensile Ultimate Bi-Axial Extruded Polypropylene Geogrid Fabric (Carthage Mills Enkagrid Max 30) 8.17
For Up To 50, Add *1.76*
For >50 To 150, Add *1.31*
For >150 To 250, Add *0.86*
For >250 To 500, Add *0.43*

31 32 19 16 Geotextile Soil Stabilization *(31 32 19)*

31 32 19 16-0001 Nonwoven Polypropylene Geotextiles *(31 32 19 16)*

Note: For drainage, filtration and separation. Includes stakes.

31 32 19 16-0002 SY 3.0 Ounce/SY, 40 Mil, 80 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-30HS) 1.70
For Up To 50, Add *0.39*
For >50 To 150, Add *0.29*
For >150 To 250, Add *0.19*
For >250 To 500, Add *0.09*

31 32 19 16-0003 SY 3.5 Ounce/SY, 50 Mil, 95 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-35HS) 1.82
For Up To 50, Add *0.41*
For >50 To 150, Add *0.31*
For >150 To 250, Add *0.20*
For >250 To 500, Add *0.10*

31 32 19 16-0004 SY 4.0 Ounce/SY, 60 Mil, 115 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-40HS) 1.97
For Up To 50, Add *0.44*
For >50 To 150, Add *0.33*
For >150 To 250, Add *0.21*
For >250 To 500, Add *0.11*

31 32 19 16-0005 SY 4.5 Ounce/SY, 55 Mil, 120 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-45HS) 2.12
For Up To 50, Add *0.47*
For >50 To 150, Add *0.35*
For >150 To 250, Add *0.23*
For >250 To 500, Add *0.11*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 19 16-0006	SY	6.0 Ounce/SY, 70 Mil, 160 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-60HS)	2.52	
		For Up To 50, Add	*0.55*	
		For >50 To 150, Add	*0.41*	
		For >150 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.13*	
31 32 19 16-0007	SY	7.0 Ounce/SY, 85 Mil, 180 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-70HS)	2.95	
		For Up To 50, Add	*0.65*	
		For >50 To 150, Add	*0.48*	
		For >150 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.16*	
31 32 19 16-0008	SY	8.0 Ounce/SY, 85 Mil, 205 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-80HS)	3.25	
		For Up To 50, Add	*0.71*	
		For >50 To 150, Add	*0.53*	
		For >150 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.17*	
31 32 19 16-0009	SY	10 Ounce/SY, 115 Mil, 250 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-100HS)	4.01	
		For Up To 50, Add	*0.86*	
		For >50 To 150, Add	*0.64*	
		For >150 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.21*	
31 32 19 16-0010	SY	16 Ounce/SY, 175 Mil, 425 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric	7.06	
		For Up To 50, Add	*1.47*	
		For >50 To 150, Add	*1.10*	
		For >150 To 250, Add	*0.73*	
		For >250 To 500, Add	*0.36*	

31 32 19 16-0011 Woven Geotextiles Fabric *(31 32 19 16)*

Note: Includes stakes.

31 32 19 16-0012	SY	200 Lb. Grab Tensile Woven Slit Film Geotextile Fabric (Carthage Mills FX-55)	2.46	
		For Up To 50, Add	*0.54*	
		For >50 To 150, Add	*0.40*	
		For >150 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.13*	
31 32 19 16-0013	SY	315 Lb. Grab Tensile Woven Slit Film Geotextile Fabric (Carthage Mills FX-66)	3.45	
		For Up To 50, Add	*0.74*	
		For >50 To 150, Add	*0.55*	
		For >150 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.18*	
31 32 19 16-0014	SY	4 To 6% Open Area, 370 x 250 Lb. Grab Tensile Woven Monofilament Geotextile Fabric (Carthage Mills Carthage 6%)	6.09	
		For Up To 50, Add	*1.28*	
		For >50 To 150, Add	*0.95*	
		For >150 To 250, Add	*0.63*	
		For >250 To 500, Add	*0.31*	
31 32 19 16-0015	SY	11 To 15% Open Area, 370 x 220 Lb. Grab Tensile Woven Monofilament Geotextile Fabric (Carthage Mills Carthage 15%)	5.94	
		For Up To 50, Add	*1.25*	
		For >50 To 150, Add	*0.93*	
		For >150 To 250, Add	*0.61*	
		For >250 To 500, Add	*0.31*	
31 32 19 16-0016	SY	6.9 Oz/SY, 250 Lb./IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-250TF)	5.19	
		For Up To 50, Add	*1.10*	
		For >50 To 150, Add	*0.82*	
		For >150 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.27*	
31 32 19 16-0017	SY	9.1 Oz/SY, 333 Lb./IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-330TF)	5.55	
		For Up To 50, Add	*1.17*	
		For >50 To 150, Add	*0.87*	
		For >150 To 250, Add	*0.58*	
		For >250 To 500, Add	*0.29*	
31 32 19 16-0018	SY	12.1 Oz/SY, 400 Lb./IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-400TF)	7.09	
		For Up To 50, Add	*1.48*	
		For >50 To 150, Add	*1.10*	
		For >150 To 250, Add	*0.73*	
		For >250 To 500, Add	*0.36*	
31 32 19 16-0019	SY	12.1 Oz/SY, 400 Lb./IN Wide Width Tensile Ultimate Woven Monofilament And Fibrillated Geotextile Fabric (Carthage Mills FX-400MF)	10.11	
		For Up To 50, Add	*2.08*	
		For >50 To 150, Add	*1.56*	
		For >150 To 250, Add	*1.03*	
		For >250 To 500, Add	*0.52*	

31 32 19 16-0020 Geomembranes *(31 32 19 16)*

Note: Includes stakes.

31 32 19 16-0021 Polyvinyl Chloride (PVC) Geomembrane *(31 32 19 16-0020)*

31 32 19 16-0022	SF	20 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.51	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 19 16-0023	SF	30 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.74	
31 32 19 16-0024	SF	40 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	2.11	
31 32 19 16-0025	SF	50 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	2.53	
31 32 19 16-0026	SF	60 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	2.89	
31 32 19 16-0027	SF	70 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	3.16	
31 32 19 16-0028	SF	80 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	3.43	
31 32 19 16-0029	SF	90 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	3.79	
31 32 19 16-0030	SF	100 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	4.13	

31 32 19 16-0031 High-Density Polyethylene (HDPE) Geomembrane *(31 32 19 16-0020)*

31 32 19 16-0032	SF	20 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics)	1.12	
31 32 19 16-0033	SF	30 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics)	0.92	
31 32 19 16-0034	SF	40 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics)	1.02	
31 32 19 16-0035	SF	50 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics)	1.47	
31 32 19 16-0036	SF	60 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics)	1.21	
31 32 19 16-0037	SF	80 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics)	1.41	
31 32 19 16-0038	SF	100 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics)	1.62	
31 32 19 16-0039	SF	120 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics)	2.66	
31 32 19 16-0040	SF	140 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics)	2.75	

31 32 19 23 Geotextile Layer Separation *(31 32 19)*

31 32 19 23-0001 Polyethylene Plastic Sheeting Barrier *(31 32 19 23)*

Note: Includes stakes.

31 32 19 23-0002	SY	4 Mil Polyethylene Plastic Sheeting Barrier	0.78	
31 32 19 23-0003	SY	6 Mil Polyethylene Plastic Sheeting Barrier	0.89	
31 32 19 23-0004	SY	8 Mil Polyethylene Plastic Sheeting Barrier	1.41	

31 32 19 26 Geoweb Cellular Confinement System *(31 32 19)*

Note: Includes staples, stakes and filling cells with stockpiled material. Excludes site preparation and imported materials.

31 32 19 26-0001 Geoweb Cellular Confinement System *(31 32 19 26)*

Note: Includes staples, stakes and filling cells with stockpiled material. Excludes site preparation and imported materials.

31 32 19 26-0002	SF	4" Geoweb Cellular Confinement System (Presto Geosystems)	7.93	
		For >20,000, Deduct	*-0.19*	
		For >2:1 Slope, Add	*1.35*	
31 32 19 26-0003	SF	6" Geoweb Cellular Confinement System (Presto Geosystems)	9.65	
		For >20,000, Deduct	*-0.28*	
		For >2:1 Slope, Add	*1.35*	
31 32 19 26-0004	SF	8" Geoweb Cellular Confinement System (Presto Geosystems)	11.70	
		For >20,000, Deduct	*-0.38*	
		For >2:1 Slope, Add	*1.35*	

31 32 36 Soil Nailing *(31 32)*

31 32 36 11 Soil Nailing Stabilization *(31 32 36)*

31 32 36 11-0001 Landslide and Slip-Out Stabilization *(31 32 36 11)*

Note: Work shall consist of the Contractor stabilizing identified slides by internally reinforcing the soil mass with reinforcing elements (nails) by using one or more of the installation methods specified in this contract. The Owner will identify locations for work to be performed as specified herein. The Contractor shall review all locations with Owner representatives to determine the method to be used. The Contractor will provide all necessary engineering plans and details required to successfully repair slides as noted. These plans shall be stamped by a registered professional engineer with a current California license who is knowledgeable in the design and implementation of slope stabilization with soil nails and related work. The contractor shall furnish all labor, materials, and equipment required to complete the work. Any necessary installation methods and associated costs are the responsibility of the contractor. The Contractor and the Contractor's Engineer will also warrant the stability of the repaired roadway section for a period of 5 years.

31 32 36 11-0002 BioWall® *(31 32 36 11-0001)*

Note: Furnish and install the BioWall® to integrate with Launched Soil Nails™, SuperNails® or Self Drilling SuperNails®. The BioWall® is a confined soil/compost mass capable of sustaining vegetation at slope angles up to ¼(H):1(V), and is composed of 2 layers of galvanized wire mesh and 2 layers of lightweight geosynthetic encasing a seeded compost and/or topsoil mix, tied to the soil nails by steel plates. Furnish equipment and incidentals necessary to complete the work. BioWall® to soil nail connection details will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals. Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 11-0003	SF	BioWall® Construction	25.00	

31 32 36 11-0004 Green Terra Mesh *(31 32 36 11-0001)*

Note: Furnish and install the Green Terra Mesh. Furnish equipment and incidentals necessary to complete the work. Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 11-0005	EA	Green Terra Mesh	635.25	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 32 36 11-0006 GeoSynthetically Confined Soil™ (GCS®) Components *(31 32 36 11-0001)*

Note: Furnish and install geosynthetic reinforcement, backfill and facing element to construct a Geosynthetically Confined Soil Wall™ (GCS®). Designs shall comply with the Design Standards for Geosynthetically Confined Soil Walls (adapted from the NCHRP Report 556 – Design and Construction Guidelines for Geosynthetic – Reinforced Soil Bridge Abutments with a Flexible Facing) noted below. Reinforcement Selection and Placement: Geosynthetic reinforcement shall consist of high-tenacity geotextiles manufactured for soil reinforcement applications. Geotextiles shall not be exposed to sunlight and extreme temperatures for an extended period of time. Damaged or improperly handled geosynthetic reinforcement shall be rejected. Use a woven polypropylene geotextile with ultimate tensile strength of 2,400 lb/ft (Amoco 2044 or similar) in the cross-machine direction (as per ASTM D4595). The geosynthetic reinforcement perpendicular to the wall face should consist of one continuous piece of material. Overlap of reinforcement in the design strength direction is not permitted. Adjacent sections of geosynthetic reinforcement should be placed so as to ensure that horizontal coverage shown on the plans is provided. Tracked construction equipment shall not be operated directly on the geosynthetic reinforcement. A minimum backfill thickness of 150 mm (6 in.) is required before operation of tracked vehicles over the geosynthetic reinforcement. Turning of tracked vehicles should be kept to a minimum to prevent displacing the fill and damaging or moving the geosynthetic reinforcement. Rubber-tired equipment may pass over the geosynthetic reinforcement at slow speeds less than 17 km/hr (10 miles/hr). Sudden braking and sharp turning should be avoided. Backfill Specifications: Structure backfill material should consist of material free from organic or other unsuitable material as determined by the Contractor's Engineer. Grading of the backfill should be as follows: 100 percent passing 100 mm (4 in.) sieve, 0-60 percent passing No. 40 (0.425 mm) sieve, and 0-15 percent passing No. 200 (0.075mm) sieve; plasticity index (PI) as determined by AASHTO T90, should not exceed 6. The backfill should exhibit an angle of internal friction of not less than 34 degrees, as determined by the standard direct shear test on the portion finer than 2 mm (No.10) sieve, using a sample compacted to 95 percent of AASHTO T-99, Methods C or D, at optimum moisture content. No testing is required for backfills where 80 percent of sizes are greater than 19 mm. The backfill should be substantially free of shale or other soft, poor durability particles and should have an organic content not larger than 1 percent. The backfill should have a pH between 4.5 and 9. Backfill Placement: Reinforced fill should be placed as specified in construction plans in compacted lift thickness of 8in, but in no case in lifts greater than 12in. Reinforced fill should be placed and compacted at or within 2 percent dry of the optimum moisture content. If the reinforced fill is free draining (i.e., with less than 5 percent passing a No. 200 sieve), water content of the fill may be within ±3 percent of the optimum. A minimum density of 90 percent of standard Proctor density is required. Optimum compaction is 100 percent of AASHTO T-99 (or 95 percent of AASHTO T-180) but this may not be possible throughout the wall structure. If significant percentage of the backfill is coarse material (i.e., greater than 30 percent retained on the 19 mm, or 3/4 in., sieve), a procedural specification may be used to verify compaction, (no less than two passes with a conventional vibratory plate compaction equipment). Backfill should be placed, spread, and compacted so as to prevent the development of wrinkles or movement of the geosynthetic reinforcement and the wall facing units. Only hand-operated compaction equipment should be allowed within 0.5 m (1.5 ft) of the front of th See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 11-0007	SF	GeoSynthetically Confined Soil™ (GCS®) Wall Construction Note: Installation sold per square face foot (excludes materials)	23.75
31 32 36 11-0008	EA	GeoSynthetically Confined Soil™ (GCS®) Wall Galvanized Wire Basket Units (approximately 10" x 120")	108.50
31 32 36 11-0009	EA	GeoSynthetically Confined Soil™ (GCS®) Wall Concrete Masonry Units (approximately 8" x 8" x 16")	6.50
31 32 36 11-0010	SF	GeoSynthetically Confined Soil™ (GCS®) Wall Woven Geotextile	0.75

31 32 36 11-0011 Turf *(31 32 36 11-0001)*

Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 11-0012 Permanent Turf Reinforcing Mat (TRM) *(31 32 36 11-0011)*

Note: Furnish a web of mechanically bonded synthetic fibers that are entangled to form a strong and dimensionally stable mat. Place fibers between 2 or 3 high-strength, biaxially oriented nets mechanically bound together by stitching with polyolefin thread. The netting material must be resistant to biological, chemical, and ultra-violet degradation.

31 32 36 11-0013	SF	Permanent Turf Reinforcement Mat Note: sold per square face foot	1.50

31 32 36 11-0014 Biodegradable Turf Reinforcing Mat (TRM) *(31 32 36 11-0011)*

Note: Furnish a geotextile composed of seed free processed natural fiber matrix mechanically bound together with 100% degradable binding fiber or netting to form a continuous matrix.

31 32 36 11-0015	SF	Biodegradable Turf Reinforcement Mat Note: sold per square face foot	0.75

31 32 36 11-0016 Shotcrete or Gunite *(31 32 36 11-0001)*

Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 32 36 11-0017 **Wet-Mix Shotcrete for use with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self-Drilling SuperNails® / SuperMicropiles™** *(31 32 36 11-0016)*

Note: Furnish steel reinforced shotcrete to integrate with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self Drilling SuperMicropiles™ or Self Drilling SuperNails® and complying with the requirements of ACI 506.2, "Specifications for Materials, Proportioning and Application of Shotcrete", except as otherwise specified. Shotcreting consists applying of one or more layers of concrete conveyed through a hose pneumatically projected at a high velocity against a prepared surface. Produce shotcrete by a wet-mix. The wet-mix process consists of thoroughly mixing all the ingredients except accelerating admixtures, but including the mixing water, introducing the mixture into the delivery equipment and delivering it, by positive displacement, to the nozzle. Air jet the wet-mix shotcrete from the nozzle at high velocity onto the surface. For additional descriptive information, refer to the American Concrete Institute ACI 506R "Guide to Shotcrete." The Contractor's Engineer shall provide all necessary details required to successfully construct the temporary or permanent facing and facing drainage system to satisfy the design intent of the facing. Comply with AASHTO Specifications, or accepted industry standards for any specific items that may not be addressed herein or elsewhere in this Contract Document. Use materials for shotcrete conforming to the following requirements: Cement AASHTO M85/ ASTM C150, Type I, II, III or V. Fine Aggregate AASHTO M6/ASTM C33 clean, natural. Coarse Aggregate AASHTO M80, Class B for quality Water Clean and Potable. AASHTO M157/ASTM C94 Chemical Admixtures Accelerator Fluid type, applied at nozzle, meeting requirements of AASHTO M194/ASTM C494/ASTM C1141. Water-reducer and Superplastisizer AASHTO M194/ASTM C494 Type A, C, D, E, F, or G Retarders AASHTO M194/ ASTM C494 Type B or D. Mineral Admixtures Fly Ash AASHTO M295/ASTM C618 Type F or C, cement replacement up to 35 percent by weight of cement. Silica Fume ASTM C1240, 90 percent minimum silicon dioxide solids content, not to exceed 12 percent by weight of cement. Welded Wire Fabric AASHTO M55/ASTM A185 or A497. Double twisted hexagonal ASTM A975-97 guidelines for Double Twisted Hexagonal Mesh Gabions Prepackaged Shotcrete ASTM C928. PVC Drain Pipes: Pipe ASTM 1785 Schedule 40 PVC, solid and perforated wall, cell classification 12454-B or 12354-C, wall thickness SDR 35, with solvent weld or elastomeric gasket joints. Deliver, store and handle materials to prevent contamination, segregation, corrosion or damage. Store liquid admixtures to prevent evaporation and freezing. Use aggregate for shotcrete meeting the strength and durability requirements of AASHTO M6/M80, as applicable, and the following gradation requirements: Sieve Size Percent Passing by Weight 1/2" 100 3/8" 90-100 No. 4 70-85 No. 8 100

Proportion the shotcrete to be pumpable with the concrete pump furnished for the work, with a cementing materials content of at least 390 kilograms per cubic meter and water/cement ratio not greater than 0.50. Do not use admixtures unless approved by the Contractor's Engineer. Thoroughly mix admixtures into the shotcrete at the rate specified by the manufacturer. Use only accelerators compatible with the cement used, non-corrosive to steel, and not promoting other detrimental effects such as cracking or excessive shrinkage. The maximum allowable chloride ion content of all ingredients is 0.10% when tested to AASHTO T260. Air entrainment is not required for temporary shotcrete construction facings. Provide shotcrete with a design compressive strength of 2000 psi in 3 days and 4000 psi in 28 days. Batch aggregate and cement by weight or by volume in accordance with the requirements of ASTM C94 or AASHTO M241/ASTM C685. Use mixing equipment that thoroughly blends the materials in sufficient quantity to maintain placing continuity. Produce ready mix shotcrete complying

31 32 36 11-0018	SFI	Wet-Mix Reinforced Shotcrete Note: sold per inch thickness over one square face foot of area (includes reinforcing steel).	5.50	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 32 36 11-0019 Dry-Mix Shotcrete for use with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self-Drilling SuperNails® / SuperMicropiles™ *(31 32 36 11-0016)*

Note: Furnish steel reinforced shotcrete to integrate with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self Drilling SuperMicropiles™ or Self Drilling SuperNails® and complying with the requirements of ACI 506.2, "Specifications for Materials, Proportioning and Application of Shotcrete", except as otherwise specified. Shotcreting consists applying of one or more layers of concrete conveyed through a hose pneumatically projected at a high velocity against a prepared surface. Produce shotcrete by a dry-mix. The dry-mix process consists of thoroughly mixing Portland cement and aggregate (and or synthetic fiber) thoroughly mixed dry, passed through a cement gun and conveyed by air through a flexible tube, hydrated at a nozzle at the end of such flexible tube and deposited by air pressure in its place of final repose. For additional descriptive information, refer to the American Concrete Institute ACI 506R "Guide to Shotcrete." The Contractor's Engineer shall provide all necessary details required to successfully construct the temporary or permanent facing and facing drainage system to satisfy the design intent of the facing. Comply with AASHTO Specifications, or accepted industry standards for any specific items that may not be addressed herein or elsewhere in this Contract Document. Use materials for shotcrete conforming to the following requirements: Cement AASHTO M85/ ASTM C150, Type I, II, or III. Fine Aggregate AASHTO M6/ASTM C33 clean, natural. Coarse Aggregate AASHTO M80, Class B for quality Fiber Reinforcement ASTM C116-00 Water Clean and Potable. AASHTO M157/ASTM C94 and shall be maintained at a uniform pressure which shall be at least 15 pounds per square inch above air pressure at the nozzle. Chemical Admixtures Accelerator Fluid type, applied at nozzle, meeting requirements of AASHTO M194/ASTM C494/ASTM C1141. Water-reducer and Superplastisizer AASHTO M194/ASTM C494 Type A, C, D, E, F, or G Retarders AASHTO M194/ ASTM C494 Type B or D. Mineral Admixtures Fly Ash AASHTO M295/ASTM C618 Type F or C, cement replacement up to 35 percent by weight of cement. Silica Fume ASTM C1240, 90 percent minimum silicon dioxide solids content, not to exceed 12 percent by weight of cement. Welded Wire Fabric AASHTO M55/ASTM A185 or A497. Double twisted hexagonal ASTM A975-97 guidelines for Double Twisted Hexagonal Mesh Gabions Prepackaged Shotcrete ASTM C928. PVC Drain Pipes: Pipe ASTM 1785 Schedule 40 PVC, solid and perforated wall, cell classification 12454-B or 12354-C, wall thickness SDR 35, with solvent weld or elastomeric gasket joints. Deliver, store and handle materials to prevent contamination, segregation, corrosion or damage. Store liquid admixtures to prevent evaporation and freezing. Use aggregate for shotcrete meeting the strength and durability requirements of AASHTO M6/M80, as applicable, and the following gradation requirements: Sieve Size Percent Passing by Weight 1/2" 100 3/8" 90-100 No. 4 70-85 No. 8 100 Proportion the shotcrete to be pumpable with the concrete pump furnished for the work, with a cementing materials content of at least 390 kilograms per cubic meter and water/cement ratio not greater than 0.50. Do not use admixtures unless approved by the Contractor's Engineer. Thoroughly mix admixtures into the shotcrete at the rate specified by the manufacturer. Use only accelerators compatible with the cement used, non-corrosive to steel, and not promoting other detrimental effects such as cracking or excessive shrinkage. The maximum allowable chloride ion content of all ingredients is 0.10% when tested to AASHTO T260. Air entrainment is not required for temporary shotcrete construction facings. Provide shotcrete with a design compressive strength of 2000 psi in 3 days and 4000 psi in 28 days. Batch aggregate and cement by weight or by volume in accordance with the requirements of ASTM C94 or AASHTO M241/ASTM C6

31 32 36 11-0020	SFI	Dry-Mix Reinforced Gunite Note: sold per inch thickness over one square face foot of area (includes reinforcing steel).		8.50	

31 32 36 11-0021 Steel Fiber Reinforcement for use with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self-Drilling SuperNails® / SuperMicropiles™ *(31 32 36 11-0016)*

31 32 36 11-0022	SFI	Steel Fiber Reinforcement Note: sold per inch thickness over one square face foot of area		1.25	

31 32 36 11-0023 Steel Mesh and Steel Plates for use with Launched Soil Nails™, SuperNails® and Self Drilling SuperNails® *(31 32 36 11-0001)*

Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 11-0024 Steel Mesh Surface Treatment for use with Launched Soil Nails™, SuperNails® and Self Drilling SuperNails® *(31 32 36 11-0023)*

Note: Furnish Galfan® Coated Steel Mesh for use with Launched Soil Nails™, SuperNails®, or Self Drilling SuperNails® that is a double twisted hexagonal galvanized steel wire mesh manufactured according to ASTM A975-97 guidelines for Double Twisted Hexagonal Mesh Gabions. Alternately, the mesh may be a diamond shaped, three dimensional mesh made with high capacity 3-millimeter diameter wire. Furnish steel plates to connect the mesh to the nail systems described herein. Furnish equipment and incidentals necessary to complete the work. Soil Nail to mesh connection details will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals.

31 32 36 11-0025	SF	High Capacity Diamond Mesh Note: sold per square face foot		11.00	
31 32 36 11-0026	SF	Double Twist Wire Mesh Note: sold per square face foot		13.75	

31 32 36 11-0027 Steel Plates *(31 32 36 11-0023)*

31 32 36 11-0028	EA	Galvanized Steel Plates (8x8)		35.00	
31 32 36 11-0029	EA	Galvanized Steel Plates (10x10)		54.75	
31 32 36 11-0030	EA	Galvanized Steel Plates (12x12)		78.75	
31 32 36 11-0031	EA	Epoxy Coated Steel Plates (8x8)		76.00	
31 32 36 11-0032	EA	Epoxy Coated Steel Plates (10x10)		89.25	
31 32 36 11-0033	EA	Epoxy Coated Steel Plates (12x12)		105.25	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 36 11-0034		**Drilled Horizontal Drains** *(31 32 36 11-0001)* Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).		
31 32 36 11-0035	LF	Drilled PVC Horizontal Drains (up to 2" Diameter)	26.00	
31 32 36 11-0036	LF	Stripdrain - 6" Wide	3.25	
31 32 36 11-0037	LF	Stripdrain - 12" Wide	4.00	
31 32 36 11-0038	LF	PVC Drain Collector Pipe System	26.75	
31 32 36 11-0039		**Rockfall Stabilization** *(31 32 36 11-0001)* Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).		
31 32 36 11-0040	SF	Scaling	3.75	
31 32 36 11-0041	SF	Trim Blasting	155.00	
31 32 36 11-0042	SY	Slope Drape - Double Twist Wire Mesh	45.00	
31 32 36 11-0043	SY	Slope Drape - Cable Net	135.00	
31 32 36 11-0044	SY	Slope Drape - Tecco Mesh (4mm)	135.00	
31 32 36 11-0045	LF	Temporary Rockfall Barrier	500.00	
31 32 36 11-0046	LF	Low Reach Drilling (<25 feet)	25.00	
31 32 36 11-0047	LF	High Reach Drilling (>25 feet)	45.00	
31 32 36 11-0048	LF	Limited Access Drilling	100.00	
31 32 36 11-0049	LF	F&I Rock Dowel - #8 Grade 75 All-Thread Bar (Galvanized)	18.50	
31 32 36 11-0050	LF	F&I Rock Dowel - #8 Grade 75 All-Thread Bar (Epoxy Coated)	15.25	
31 32 36 11-0051	LF	F&I Rock Dowel - #8 Grade 150 All-Thread Bar (Galvanized)	23.25	
31 32 36 11-0052	LF	F&I Rock Dowel - #8 Grade 150 All-Thread Bar (Epoxy Coated)	17.25	
31 32 36 11-0053	LF	F&I Rock Dowel - #10 Grade 75 All-Thread Bar (Galvanized)	23.50	
31 32 36 11-0054	LF	F&I Rock Dowel - #10 Grade 75 All-Thread Bar (Epoxy Coated)	18.75	
31 32 36 11-0055	LF	F&I Rock Dowel - #10 Grade 150 All-Thread Bar (Galvanized)	26.50	
31 32 36 11-0056	LF	F&I Rock Dowel - #10 Grade 150 All-Thread Bar (Epoxy Coated)	21.00	
31 32 36 11-0057	LF	F&I Rock Dowel - #11 Grade 75 All-Thread Bar (Galvanized)	29.25	
31 32 36 11-0058	LF	F&I Rock Dowel - #11 Grade 75 All-Thread Bar (Epoxy Coated)	21.00	
31 32 36 11-0059	LF	F&I Rock Dowel - #11 Grade 150 All-Thread Bar (Galvanized)	34.50	
31 32 36 11-0060	LF	F&I Rock Dowel - #11 Grade 150 All-Thread Bar (Epoxy Coated)	31.75	
31 32 36 11-0061	EA	Rock Anchor Testing	825.00	
31 32 36 11-0062		**Mobilization / Demobilization** *(31 32 36 11-0001)*		
31 32 36 11-0063	EA	Mobilization - In State	10,000.00	
31 32 36 11-0064	EA	Mobilization - Out Of State	25,000.00	
31 32 36 11-0065	EA	Mobilization - Specialty Equipment Adder	9,800.00	
31 32 36 11-0066		**Daily Crew Rates (DCR)** *(31 32 36 11-0001)*		
31 32 36 11-0067	DAY	Soils Stabilization Crew - DCR , Per Workday	13,150.00	
31 32 36 11-0068	DAY	Rockfall Stabilization Crew - DCR, Per Workday	15,200.00	
31 32 36 11-0069	DAY	Compaction Grouting Crew - DCR, Per Workday	12,925.00	
31 32 36 11-0070	DAY	Additional Crew Member/Crew - DCR, Per Workday	2,050.00	
31 32 36 11-0071	EA	Out of State Crew Rotation	4,950.00	
31 32 36 11-0072	EA	Spider Excavation	5,500.00	
31 32 36 13		**Driven Soil Nailing** *(31 32 36)*		
31 32 36 13-0001		**Large Diameter Micropiles** *(31 32 36 13)* Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).		
31 32 36 13-0002	LF	5" Micropiles (with up to 5.5" steel casing)	94.50	
31 32 36 13-0003	LF	7" Micropiles (with up to 7.625" steel casing)	130.25	
31 32 36 13-0004	LF	10" Micropiles (with up to 9.625" steel casing)	166.50	
31 32 36 13-0005	LF	12" Micropiles (with up to 11.875" steel casing)	213.25	
31 32 36 16		**Grouted Soil Nailing** *(31 32 36)*		
31 32 36 16-0001		**Grouting** *(31 32 36 16)* Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 32 36 16-0002 Compaction Grouting *(31 32 36 16-0001)*

Note: A. Furnish compaction grout material manufactured on-site (at the project location) in volumetric batching equipment so that grout rheology can be controlled real-time. The grout shall have a slump of 0.50" to 3.0" depending on the specific requirements of the project and shall conform to the engineering plans developed and submitted by the Contractor. Grout components shall consist of Type I/II cement, potable water and aggregate. Fly Ash may be added to the mix per the engineering plans. All aggregate for the compaction grout material shall meet the following requirements: a. 100% passing the 1/2" sieve b. Less than 2% organics c. No bentonite or other clay of medium to high plasticity shall be used. Site conditions and re-leveling requirements shall determine the exact proportions of cement, water and soil. The grout mix shall generally consist of aggregate with up to 12% cement by weight and water to form a very stiff mortar-like mixture. No admixtures shall be used without the Project Manager's approval, and previous testing. Mix design and test results of grout mixture must be submitted and approved by the Project Manager 15 Days prior to the commencement of the work. A. Gradations of the aggregate material to be utilized shall be submitted as part of the submittal process and prior to any work taking place. B. The compaction grouting mixer shall be of a type to ensure complete mixing of the stiff grout, as approved by the Project Manager. The compaction grout mixer shall be of sufficient capacity to continuously deliver grout having a slump of less than 1.5 inches at pressures up to 1,000 psi, at flow rates ranging from 0.1 to 5.0 cubic feet per minute. Gauges shall be provided at the pump and the grout pipe head to measure pressure the rate of flow. Type and location of gauges shall be as specified by the Contractor. A dial gauge or meter capable of measuring to 0.5 cubic feet or less shall be provided to measure the amount of grout pumped into the hole. A pressure gauge shall be graduated in 10-psi increments or less and used to measure the applied pressure. Compaction grout hose shall have a minimum inside diameter of 2 inches with non-restrictive full flow couplings. The hose shall be of sufficient strength for the pressures anticipated, and shall be in good condition.

31 32 36 16-0003	LF	Compaction Grouting Casing Installation	52.75
31 32 36 16-0004	CF	Compaction Grout Injection for Soils Densification	55.50
31 32 36 16-0005	CF	Compaction Grout For Void Fill	39.00

31 32 36 16-0006 Polyurethane Grouting *(31 32 36 16-0001)*

Note: The material shall be a two part 1:1 ratio by volume, polyurethane-forming mixture, having a water insoluble diluent, which permits the formation of polyurethanes in excess water. The material shall reach 90% Compressive strength in 30 minutes such that traffic may be returned to roadway within 30 minutes after last injection of material. Polyurethane Free-rise Physical Properties Property I Units ASTM Minimum Maximum Density - lb/cf D 1622 3.0 lb/cf 6.0 lb/cf Tensile Strength - psi D 1623 80 psi Compressive Strength at Yield Point - psi D 1621 60 psi Furnish equipment and incidentals necessary to complete the work. Polyurethane grout shall not be used for deep injection (deeper than 3' below bottom of structure) or soils densification, it shall only be used for void filling under structures and for re-leveling. The Contractor shall prepare a profile to determine the areas that require void filling and re-leveling and determine the locations of the injection holes for each treated area. The Contractor shall obtain approval for the final proposed grades and the location of injection holes. The Contractor shall submit a plan for approval of the proposed polyurethane injection methods for the designated project areas. The plan shall include, but not be limited to: proposed diameter of casing (if required), depth of placement, angle of inclination, injection tube spacing, and project staging. The plan shall include monitoring procedures to ensure that damage will not occur to any existing structures due to the injection process. Monitoring devices shall be installed on mechanically stabilized earth retaining systems and between approach slabs and approach slab footings or other components to help prevent damage. The Contractor shall drill a pattern of holes as proposed in his plan. The holes shall be located in a manner that the void filling and structure lifting process does not affect any adjoining structures, such as mechanically stabilized earth retaining walls. Holes shall not be drilled within 4" of the edge of the slab, construction joints or major cracks. No more holes shall be drilled and tubes installed during the day than can be filled during that day. On bridge approach and roadway projects, and as applicable, the initial lift shall be at the sleeper footer. The Contractor shall lift the sleeper footer and the approach slab to the desired elevation by injecting material under the structures with care to assure that polyurethane material is not placed between the sleeper footer and the approach slab. The amount of rise shall be controlled by regulating the rate of injection of the high density polyurethane material. When the nozzle is removed from the hole, any excessive polyurethane material shall be removed from the area.

31 32 36 16-0007	LB	Polyurethane Grouting For Void Fill and Re-Leveling	11.50

31 32 36 19 Corrosion-Protected Soil Nailing *(31 32 36)*

31 32 36 19-0001 Self-Drilling SuperNails® / SuperMicropiles™ *(31 32 36 19)*

Note: Furnish Self-Drilling SuperNails® / SuperMicropiles™ that consist of a hollow, threaded bar with a sacrificial drill bit. Multiple bars may be coupled to produce final length. Bar thread pattern should be continuous and conform to the pullout requirements of ASTM A 615 (Williams Form Engineering B7X or Ischebeck Titan bars, or approved equivalent). R-thread bars, bars/couplers made from high carbon (>0.20%) or high phosphorous (>0.06%) steels, or bars/couplers made from steels that do not meet the tensile ductility requirements of ASTM A 615 shall not be used for any tensile applications. Bar outer diameters shall be a minimum of 1.5 inches and up to and 3 inches depending on design load. Corrosion Protection for Self Drilling Nails shall follow current FHWA guidance. Inserted length and spacing of Self-Drilling SuperNails® / SuperMicropiles™ will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals. Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 19-0002 Self-Drilling SuperNails® *(31 32 36 19-0001)*

31 32 36 19-0003	EA	Self Drilling SuperNails® Up To 10 Ft. Length	559.00
31 32 36 19-0004	EA	Self Drilling SuperNails® Up To 20 Ft. Length	939.25
31 32 36 19-0005	EA	Self Drilling SuperNails® Up To 30 Ft. Length	1,305.75
31 32 36 19-0006	EA	Self Drilling SuperNails® Up To 40 Ft. Length	1,735.75
31 32 36 19-0007	EA	Self Drilling SuperNails® Up To 50 Ft. Length	2,119.75
31 32 36 19-0008	EA	Self Drilling SuperNails® Up To 60 Ft. Length	2,459.25
31 32 36 19-0009	EA	Self Drilling SuperNails® Up To 70 Ft. Length	2,879.25
31 32 36 19-0010	EA	Self Drilling SuperNails® Up To 80 Ft. Length	3,253.50
31 32 36 19-0011	EA	Additional Cost for 10' High Capacity X-51 Bar	129.50

31 32 36 19-0012 SuperNail® Testing *(31 32 36 19)*

Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 36 19-0013	EA	SuperNail® Proof Testing	769.00	
31 32 36 19-0014	EA	SuperNail® Verification Testing	2,339.75	

31 32 36 26 Launched Soil Nailing *(31 32 36)*

31 32 36 26-0001 Launched SuperDrain™ (Horizontal Drains) *(31 32 36 26)*

Note: Furnish Launched SuperDrain™ up to 20 feet in length composed of a tube (1.5 inch outside diameter, 0.120 inch wall thickness hot-dipped galvanized 36ksi steel (ASTM A513) that is mechanically deformed or GalvaDized™ to produce a plurality of surficial asperities). Drainage perforations consist of 0.5-inch diameter holes drilled or torch-cut at 6 inch spacing along the distal 5 feet of nail. Every other hole is rotated 90º about the longitudinal axis of the nail. Furnish equipment and incidentals necessary to complete the work. Insert Launched SuperDrain™ with a single stroke at initial velocities in excess of 200 miles per hour. Inserted length and spacing will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals. Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 26-0002	EA	GalvaDized™ SuperDrain™ - Up To 20'	605.00
		Note: perforated GalvaDized™ steel tube up to 20 ft. length.	
31 32 36 26-0003	EA	Fiberglass SuperNail® - Up To 20'	621.50
		Note: perforated fiberglass tube up to 20 ft. length, pressure grouted with #6 epoxy coated inner Bar.	
31 32 36 26-0004	EA	GalvaDized™ SuperNail® - Up To 20'	478.50
		Note: perforated GalvaDized™ steel tube up to 20 ft. length, pressure grouted with #6 epoxy coated inner Bar.	
31 32 36 26-0005	EA	Temporary Launched Soil Nail	379.50
		Note: bare steel tube up to 20 ft. length.	
31 32 36 26-0006	EA	Fiberglass SuperDrain™	495.00
		Note: perforated fiberglass tube up to 20 ft. length.	
31 32 36 26-0007	EA	GalvaDized™ SuperDrain™	379.50
		Note: perforated GalvaDized™ steel tube up to 20 ft. length.	

31 32 36 29 Drilled Soil Nailing *(31 32 36)*

31 32 36 29-0001 Drilled SuperNails® (Permanently Cased Soil Nails) *(31 32 36 29)*

Note: Furnish SuperNails® that are a three stage construction including installation of (1) an outer tube (1.5 inch outside diameter, 0.120 inch wall thickness hot-dipped galvanized steel tube that is mechanically deformed or GalvaDized™ to produce a plurality of surficial asperities); (2) neat cement grout that completely encases and fills the outer tube; and (3) immediately install an epoxy coated, #6 (or greater) grade 75 thread bar as the inner bar. SuperNails® may be in lengths up to 60 feet. Although field adjustments in design may be allowed on certain projects (subject to approval by the Contractor's Engineer and the Owner) bidding an equivalent system is not allowed (i.e. the winning bidder must have the ability to install the above system). Furnish equipment and incidentals necessary to complete the work. Insert SuperNail® outer tubes with a single stroke at initial velocities in excess of 200 miles per hour or by drilling a hole to a prescribed depth and inserting the outer tube. Fill the outer tube with neat cement grout and immediately insert a #6 or larger epoxy coated inner thread bar. Inserted length and spacing will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals. Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 29-0002	EA	Drilled GalvaDized™ SuperNail® Up To 10 Ft. Length	602.25
		Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.	
31 32 36 29-0003	EA	Drilled GalvaDized™ SuperNail® Up To 20 Ft. Length	693.50
		Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.	
31 32 36 29-0004	EA	Drilled GalvaDized™ SuperNail® Up To 30 Ft. Length	921.50
		Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.	
31 32 36 29-0005	EA	Drilled GalvaDized™ SuperNail® Up To 40 Ft. Length	1,056.00
		Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.	
31 32 36 29-0006	EA	Drilled GalvaDized™ SuperNail® Up To 50 Ft. Length	1,171.50
		Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.	
31 32 36 29-0007	EA	Drilled GalvaDized™ SuperNail® Up To 60 Ft. Length	1,376.50
		Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.	
31 32 36 29-0008	EA	Drilled GalvaDized™ SuperNail® Up To 70 Ft. Length	1,624.75
		Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.	
31 32 36 29-0009	EA	Drilled GalvaDized™ SuperNail® Up To 80 Ft. Length	1,872.75
		Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.	

31 32 36 33 Drilled / Launched Soil Nailing *(31 32 36)*

31 32 36 33-0001 Drilled / Launched SuperMicropiles™ *(31 32 36 33)*

Note: Furnish SuperMicropiles™ that are a three stage construction including installation of (1) an outer tube (1.5 inch outside diameter, 0.120 inch wall thickness hot-dipped galvanized steel tube that is mechanically deformed or GalvaDized™ to produce a plurality of surficial asperities); (2) neat cement grout that completely encases and fills the outer tube; and (3) immediately install an epoxy coated, #6 (or greater) grade 75 thread bar as the inner bar. SuperMicropiles™ may be in lengths up to 60 feet. Although field adjustments in design may be allowed on certain projects (subject to approval by the Contractor's Engineer and the Owner) bidding an equivalent system is not allowed (i.e. the winning bidder must have the ability to install the above system). Furnish equipment and incidentals necessary to complete the work. Insert SuperMicropile™ outer tubes with a single stroke at initial velocities in excess of 200 miles per hour or by drilling a hole to a prescribed depth and inserting the outer tube. Fill the outer tube with neat cement grout and immediately insert a #6 or larger epoxy coated inner thread bar. Inserted length and spacing will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals.

31 32 36 33-0002	EA	Drilled / Launched GalvaDized™ SuperMicropiles™ Up To 20 Ft. Length	695.00
		Note: GalvaDized™ steel tube, grouted with #6 epoxy coated inner Bar.	
31 32 36 33-0003	EA	Drilled / Launched GalvaDized™ SuperMicropiles™ Up To 30 Ft. Length	1,020.00
		Note: GalvaDized™ steel tube, grouted with #6 epoxy coated inner Bar.	
31 32 36 33-0004	EA	Drilled / Launched GalvaDized™ SuperMicropiles™ Up To 40 Ft. Length	1,280.00
		Note: GalvaDized™ steel tube, grouted with #6 epoxy coated inner Bar.	
31 32 36 33-0005	EA	Drilled / Launched GalvaDized™ SuperMicropiles™ Up To 50 Ft. Length	1,540.00
		Note: GalvaDized™ steel tube, grouted with #6 epoxy coated inner Bar.	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 35 Slope Protection *(31 30)*

31 35 19 Geosynthetic Slope Protection *(31 35)*

31 35 19 19 Slope Protection with Mulch Control Netting *(31 35 19)*

Note: Includes stakes.

31 35 19 19-0001 Erosion Control Fabric *(31 35 19 19)*

31 35 19 19-0002	SY	26.6 OZ/SY Erosion Control Fabric (Belton Industries Geocoir 900)	5.56

31 36 Gabions *(31 30)*

Note: Includes the cost for loading, hauling up to 15 miles from the closest approved source, unloading and placing. See CSI section 01 74 19 00-0041 for hauling greater than 15 miles.

31 36 13 Gabion Boxes *(31 36)*

31 36 13 00-0001 Stone Filled Gabion Slope Protection *(31 36 13)*

Note: Machine placed by SY of total top face area for depth indicated.

31 36 13 00-0002	SY	6" Deep Stone Filled Gabion Slope Protection	78.20
31 36 13 00-0003	SY	9" Deep Stone Filled Gabion Slope Protection	92.27
31 36 13 00-0004	SY	12" Deep Stone Filled Gabion Slope Protection	111.22
31 36 13 00-0005	SY	15" Deep Stone Filled Gabion Slope Protection	131.42
31 36 13 00-0006	SY	18" Deep Stone Filled Gabion Slope Protection	154.33
31 36 13 00-0007	SY	24" Deep Stone Filled Gabion Slope Protection	211.20
31 36 13 00-0008	SY	36" Deep Stone Filled Gabion Slope Protection	266.92

31 37 Riprap *(31 30)*

Note: Includes the cost for loading, hauling up to 15 miles from the closest approved source, and dumping. See CSI section 01 74 19 00-0041 for hauling greater than 15 miles.

31 37 13 Machined Riprap *(31 37)*

31 37 13 00-0001 Random - Filter Stone *(31 37 13)*

31 37 13 00-0002	CY	10 To 50 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	80.31
		For Chinking Material, Add	*14.15*
31 37 13 00-0003	CY	>50 To 100 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	93.83
		For Chinking Material, Add	*14.15*
31 37 13 00-0004	CY	>100 To 200 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	100.20
		For Chinking Material, Add	*14.15*
31 37 13 00-0005	CY	>200 To 300 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	107.45
		For Chinking Material, Add	*14.15*
31 37 13 00-0006	CY	>300 To 600 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	113.30
		For Chinking Material, Add	*14.15*
31 37 13 00-0007	CY	>600 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	122.86
31 37 13 00-0008	CY	3/8 To 1/4 CY Pieces Random, Dumped From Truck, Machine Spread And Placed Slope Protection (Keyed) Rip Rap	142.32
31 37 13 00-0009	TON	10 To 50 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	52.90
31 37 13 00-0010	TON	>50 To 100 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	61.49
31 37 13 00-0011	TON	>100 To 200 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	65.53
31 37 13 00-0012	TON	>200 To 300 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	70.13
31 37 13 00-0013	TON	>300 To 600 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	73.85
31 37 13 00-0014	TON	>600 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	79.99
31 37 13 00-0015	TON	3/8 To 1/4 CY Pieces Random, Dumped From Truck, Machine Spread And Placed Slope Protection (Keyed) Rip Rap	95.61
31 37 13 00-0016	TON	Spread Of Rip Rap By Machine Note: Excludes material	17.51
31 37 13 00-0017	TON	Key Rip Rap Note: Excludes material.	131.37
31 37 13 00-0018	CY	Grout For Rip Rap	228.23
31 37 13 00-0019	TON	Additional Cost For Placement Of Rip-Rap By Barge Instead Of Truck	149.60

31 37 16 Non-Machined Riprap *(31 37)*

31 37 16 13 Rubble-Stone Riprap *(31 37 16)*

31 37 16 13-0001 Rock Slope Protection *(31 37 16 13)*

31 37 16 13-0002	TON	1 Lb. Average Pieces Random, Dumped From Truck, Rock Slope Protection	47.84
31 37 16 13-0003	TON	5 Lb. Average Pieces Random, Dumped From Truck, Rock Slope Protection	50.88
31 37 16 13-0004	TON	25 Lb. Average Pieces Random, Dumped From Truck, Rock Slope Protection	52.90
31 37 16 13-0005	TON	75 Lb. Average Pieces Random, Dumped From Truck, Rock Slope Protection	61.49
31 37 16 13-0006	TON	200 Lb. Average Pieces Random, Dumped From Truck, Rock Slope Protection	65.53
31 37 16 13-0007	TON	1/4 Ton Average Pieces Random, Dumped From Truck, Rock Slope Protection	73.85
31 37 16 13-0008	TON	1 Ton Average Pieces Random, Dumped From Truck, Rock Slope Protection	79.99
31 37 16 13-0009	TON	2 Ton Average Pieces Random, Dumped From Truck, Rock Slope Protection	86.74
31 37 16 13-0010	TON	4 Ton Average Pieces Random, Dumped From Truck, Rock Slope Protection	96.88

31 40 Shoring and Underpinning *(31)*

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 41 Shoring *(31 40)*

31 41 13 Timber Shoring *(31 41)*

31 41 13 00-0001 Wood Sheet Piling *(31 41 13)*

31 41 13 00-0002 Pull And Salvage *(31 41 13 00-0001)*

Note: Includes soldier beams and lagging (wales, braces and spacers). Excludes tie-back (rock bolting) where required and excavation.

31 41 13 00-0003	SF	8' Deep Excavation, Wood Shoring, Pull And Salvage		14.64	
		For Wood Sheeting Left In Place		*-1.51*	
31 41 13 00-0004	SF	10' Deep Excavation, Wood Shoring, Pull And Salvage		15.84	
		For Wood Sheeting Left In Place		*-1.76*	
31 41 13 00-0005	SF	12' Deep Excavation, Wood Shoring, Pull And Salvage		17.18	
		For Wood Sheeting Left In Place		*-2.01*	
31 41 13 00-0006	SF	14' Deep Excavation, Wood Shoring, Pull And Salvage		18.61	
		For Wood Sheeting Left In Place		*-2.32*	
31 41 13 00-0007	SF	16' Deep Excavation, Wood Shoring, Pull And Salvage		20.19	
		For Wood Sheeting Left In Place		*-2.62*	
31 41 13 00-0008	SF	18' Deep Excavation, Wood Shoring, Pull And Salvage		21.87	
		For Wood Sheeting Left In Place		*-2.99*	
31 41 13 00-0009	SF	20' Deep Excavation, Wood Shoring, Pull And Salvage		23.73	
		For Wood Sheeting Left In Place		*-3.37*	

31 41 16 Sheet Piling *(31 41)*

31 41 16 13 Steel Sheet Piling *(31 41 16)*

31 41 16 13-0001 Standard Carbon Grade Steel Sheeting - Pull And Salvage *(31 41 16 13)*

Note: Up to 3 months. 38.5 KSI steel per SF minimum. PSF indicated is for the weight of the material per square foot. Includes soldier beams and lagging (wales, braces and spacers). Excludes tie-back (rock bolting) where required and excavation.

31 41 16 13-0002	TON	Driven Steel Sheet Piling, 15' Excavation, 22 PSF Steel Sheeting, Pull And Salvage		2,085.13	
		For Standard Sheeting Left In Place, Add		*1,285.20*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add		*1,239.56*	
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add		*102.70*	
		For High Strength Sheeting 55,000 PSI Grade, Add		*114.11*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add		*353.73*	
		For Each Additional Month >3 Months, Add		*57.05*	
31 41 16 13-0003	TON	Driven Steel Sheet Piling, 20' Excavation, 27 PSF Steel Sheeting, Pull And Salvage		2,166.73	
		For Standard Sheeting Left In Place, Add		*1,244.40*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add		*1,198.76*	
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add		*102.70*	
		For High Strength Sheeting 55,000 PSI Grade, Add		*114.11*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add		*353.73*	
		For Each Additional Month >3 Months, Add		*57.05*	
31 41 16 13-0004	TON	Driven Steel Sheet Piling, 25' Excavation, 38 PSF Steel Sheeting, Pull And Salvage		2,546.10	
		For Standard Sheeting Left In Place, Add		*1,054.71*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add		*1,009.07*	
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add		*102.70*	
		For High Strength Sheeting 55,000 PSI Grade, Add		*114.11*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add		*353.73*	
		For Each Additional Month >3 Months, Add		*57.05*	
31 41 16 13-0005	TON	Driven Steel Sheet Piling, 30' Excavation, 38 PSF Steel Sheeting, Pull And Salvage		2,911.15	
		For Standard Sheeting Left In Place, Add		*872.19*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add		*826.55*	
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add		*102.70*	
		For High Strength Sheeting 55,000 PSI Grade, Add		*114.11*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add		*353.73*	
		For Each Additional Month >3 Months, Add		*57.05*	
31 41 16 13-0006	TON	Driven Steel Sheet Piling, 35' Excavation, 38 PSF Steel Sheeting, Pull And Salvage		3,125.88	
		For Standard Sheeting Left In Place, Add		*764.82*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add		*719.18*	
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add		*102.70*	
		For High Strength Sheeting 55,000 PSI Grade, Add		*114.11*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add		*353.73*	
		For Each Additional Month >3 Months, Add		*57.05*	
31 41 16 13-0007	TON	Driven Steel Sheet Piling, 40' Excavation, 38 PSF Steel Sheeting, Pull And Salvage		3,344.91	
		For Standard Sheeting Left In Place, Add		*655.31*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add		*609.67*	
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add		*102.70*	
		For High Strength Sheeting 55,000 PSI Grade, Add		*114.11*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add		*353.73*	
		For Each Additional Month >3 Months, Add		*57.05*	

31 41 16 13-0008 Steel Shoring Plates *(31 41 16 13)*

31 41 16 13-0009	EA	1/2" x 12" x 12" Steel Plate For Shoring		43.51	

31 43 Concrete Raising *(31 40)*

31 43 13 Pressure Grouting *(31 43)*

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 43 13 16 Polyurethane Pressure Grouting *(31 43 13)*

31 43 13 16-0001 PolyLift™ Concrete Injection For Lifting And Leveling *(31 43 13 16)*

31 43 13 16-0002	EA	Mobilization PolyLift™ Concrete Lifting And Leveling Minimum Charge	3,587.25	
31 43 13 16-0003	LB	Up To 1,000 Lb. PolyLift™ Concrete Injection For Lifting And Leveling Note: Per pound of material.	31.71	
31 43 13 16-0004	LB	>1,000 Lb. PolyLift™ Concrete Injection For Lifting And Leveling Note: Per pound of material.	26.56	

31 45 Vibroflotation and Densification *(31 40)*

31 45 13 Vibroflotation *(31 45)*

31 45 13 00-0001	LCY	Soil Stabilization, Vibroflotation	17.97	

31 50 Excavation Support and Protection *(31)*

31 52 Cofferdams *(31 50)*

31 52 21 Portable Cofferdams *(31 52)*

31 52 21 00-0001 Portable Cofferdams *(31 52 21)*
Note: Excludes dewatering and pumps.

31 52 21 00-0002 Portable Cofferdam Rental *(31 52 21 00-0001)*
Note: Excludes delivery and installation.

31 52 21 00-0003	LF	3' High x 7' Width, Portable Cofferdam, Rental Per Month Note: Minimum 40'	51.69	
31 52 21 00-0004	LF	4' High x 9' Width, Portable Cofferdam, Rental Per Month Note: Minimum 40'	66.16	
31 52 21 00-0005	LF	5' High x 11' Width, Portable Cofferdam, Rental Per Month Note: Minimum 40'	93.04	
31 52 21 00-0006	LF	6' High x 13' Width, Portable Cofferdam, Rental Per Month Note: Minimum 40'	119.92	
31 52 21 00-0007	LF	8' High x 17' Width, Portable Cofferdam, Rental Per Month Note: Minimum 40'	155.06	
31 52 21 00-0008	LF	10' High x 21' Width, Portable Cofferdam, Rental Per Month Note: Minimum 40'	310.12	
31 52 21 00-0009	LF	12' High x 25' Width, Portable Cofferdam, Rental Per Month Note: Minimum 40'	434.18	
31 52 21 00-0010	LF	16' High x 33' Width, Portable Cofferdam, Rental Per Month Note: Minimum 40'	614.05	

31 52 21 00-0011 Portable Cofferdam Delivery And Set-up *(31 52 21 00-0001)*
Note: Excludes crane usage where required. See CSI section 01 22 23 00-0969 for crane lifting equipment.

31 52 21 00-0012	LF	Up To 5' High, Portable Cofferdam, Delivery And Set-up In Dynamic (Rivers Or Streams) Water	12.45	
31 52 21 00-0013	LF	6' To 8' High, Portable Cofferdam, Delivery And Set-up In Dynamic (Rivers Or Streams) Water	19.92	
31 52 21 00-0014	LF	10' To 12' High, Portable Cofferdam, Delivery And Set-up In Dynamic (Rivers Or Streams) Water	29.88	
31 52 21 00-0015	LF	16' High, Portable Cofferdam, Delivery And Set-up In Dynamic (Rivers Or Streams) Water	39.85	
31 52 21 00-0016	LF	Up To 5' High, Portable Cofferdam, Delivery And Set-up In Static (Lakes Or Ponds) Water	7.47	
31 52 21 00-0017	LF	6' To 8' High, Portable Cofferdam, Delivery And Set-up In Static (Lakes Or Ponds) Water	12.45	
31 52 21 00-0018	LF	10' To 12' High, Portable Cofferdam, Delivery And Set-up In Static (Lakes Or Ponds) Water	19.92	
31 52 21 00-0019	LF	16' High, Portable Cofferdam, Delivery And Set-up In Static (Lakes Or Ponds) Water	27.40	

31 52 21 00-0020 Portable Cofferdam Repositioning *(31 52 21 00-0001)*

31 52 21 00-0021	LF	Up To 5' High, Portable Cofferdam, Repositioning	6.23	
31 52 21 00-0022	LF	6' To 8' High, Portable Cofferdam, Repositioning	9.96	
31 52 21 00-0023	LF	10' To 12' High, Portable Cofferdam, Repositioning	14.94	
31 52 21 00-0024	LF	16' High, Portable Cofferdam, Repositioning	19.92	

31 60 Special Foundations and Load-bearing Elements *(31)*

31 62 Driven Piles *(31 60)*

31 62 13 Concrete Piles *(31 62)*

31 62 13 23 Prestressed Concrete Piles *(31 62 13)*

31 62 13 23-0001 Square Prestressed Driven Concrete Piles *(31 62 13 23)*

31 62 13 23-0002	VLF	10" Square Prestressed Driven Concrete Pile	33.97	
		For Piles Driven In Water, Add		*15.71*
31 62 13 23-0003	VLF	12" Square Prestressed Driven Concrete Pile	42.86	
		For Piles Driven In Water, Add		*17.75*
31 62 13 23-0004	VLF	14" Square Prestressed Driven Concrete Pile	52.20	
		For Piles Driven In Water, Add		*19.58*
31 62 13 23-0005	VLF	16" Square Prestressed Driven Concrete Pile	64.21	
		For Piles Driven In Water, Add		*21.81*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 13 23-0006	VLF	18" Square Prestressed Driven Concrete Pile	78.20	
		For Piles Driven In Water, Add	*24.39*	
31 62 13 23-0007	VLF	20" Square Prestressed Driven Concrete Pile	90.61	
		For Piles Driven In Water, Add	*27.01*	
31 62 13 23-0008	VLF	24" Square Prestressed Driven Concrete Pile	115.98	
		For Piles Driven In Water, Add	*31.18*	

31 62 13 23-0009 Octagonal Prestressed Driven Concrete Piles *(31 62 13 23)*

31 62 13 23-0010	VLF	12" Octagonal Prestressed Driven Concrete Pile	38.30	
		For Piles Driven In Water, Add	*16.50*	
31 62 13 23-0011	VLF	14" Octagonal Prestressed Driven Concrete Pile	47.25	
		For Piles Driven In Water, Add	*18.19*	
31 62 13 23-0012	VLF	16" Octagonal Prestressed Driven Concrete Pile	56.33	
		For Piles Driven In Water, Add	*20.00*	
31 62 13 23-0013	VLF	18" Octagonal Prestressed Driven Concrete Pile	67.56	
		For Piles Driven In Water, Add	*22.15*	
31 62 13 23-0014	VLF	20" Octagonal Prestressed Driven Concrete Pile	71.89	
		For Piles Driven In Water, Add	*23.76*	
31 62 13 23-0015	VLF	24" Octagonal Prestressed Driven Concrete Pile	76.46	
		For Piles Driven In Water, Add	*25.59*	

31 62 13 23-0016 Straight Cylinder Prestressed Driven Concrete Piles *(31 62 13 23)*

31 62 13 23-0017	VLF	12" Diameter, 2-3/8" Wall, Straight Cylinder Prestressed Driven Concrete Pile	55.74	
		For Piles Driven In Water, Add	*17.54*	
31 62 13 23-0018	VLF	14" Diameter, 2-1/2" Wall, Straight Cylinder Prestressed Driven Concrete Pile	66.21	
		For Piles Driven In Water, Add	*19.29*	
31 62 13 23-0019	VLF	16" Diameter, 3" Wall, Straight Cylinder Prestressed Driven Concrete Pile	78.61	
		For Piles Driven In Water, Add	*21.33*	
31 62 13 23-0020	VLF	18" Diameter, 3-1/2" Wall, Straight Cylinder Prestressed Driven Concrete Pile	89.04	
		For Piles Driven In Water, Add	*23.27*	
31 62 13 23-0021	VLF	20" Diameter, 4" Wall, Straight Cylinder Prestressed Driven Concrete Pile	112.19	
		For Piles Driven In Water, Add	*26.61*	
31 62 13 23-0022	VLF	24" Diameter, 5" Wall, Straight Cylinder Prestressed Driven Concrete Pile	138.91	
		For Piles Driven In Water, Add	*30.46*	

31 62 16 Steel Piles *(31 62)*

31 62 16 16 Steel H Piles *(31 62 16)*

31 62 16 16-0001 Rolled, Driven Steel H Piles *(31 62 16 16)*

31 62 16 16-0002	VLF	8" x 8" x 36 Lb./FT, Rolled, Driven Steel H Pile	33.92	
		For Piles Driven In Water, Add	*16.86*	
31 62 16 16-0003	VLF	10" x 10" x 42 Lb./FT, Rolled, Driven Steel H Pile	37.82	
		For Piles Driven In Water, Add	*17.91*	
31 62 16 16-0004	VLF	10" x 10" x 57 Lb./FT, Rolled, Driven Steel H Pile	45.72	
		For Piles Driven In Water, Add	*18.70*	
31 62 16 16-0005	VLF	12" x 12" x 53 Lb./FT, Rolled, Driven Steel H Pile	44.08	
		For Piles Driven In Water, Add	*18.96*	
31 62 16 16-0006	VLF	12" x 12" x 63 Lb./FT, Rolled, Driven Steel H Pile	49.35	
		For Piles Driven In Water, Add	*19.49*	
31 62 16 16-0007	VLF	12" x 12" x 74 Lb./FT, Rolled, Driven Steel H Pile	56.48	
		For Piles Driven In Water, Add	*21.41*	
31 62 16 16-0008	VLF	12" x 12" x 84 Lb./FT, Rolled, Driven Steel H Pile	61.75	
		For Piles Driven In Water, Add	*21.93*	
31 62 16 16-0009	VLF	14" x 14" x 73 Lb./FT, Rolled, Driven Steel H Pile	56.39	
		For Piles Driven In Water, Add	*21.79*	
31 62 16 16-0010	VLF	14" x 14" x 89 Lb./FT, Rolled, Driven Steel H Pile	65.35	
		For Piles Driven In Water, Add	*22.69*	
31 62 16 16-0011	VLF	14" x 14" x 102 Lb./FT, Rolled, Driven Steel H Pile	73.16	
		For Piles Driven In Water, Add	*24.81*	
31 62 16 16-0012	VLF	14" x 14" x 117 Lb./FT, Rolled, Driven Steel H Pile	81.58	
		For Piles Driven In Water, Add	*25.65*	

31 62 16 16-0013 Splices, Caps, And Points For H-Piles *(31 62 16 16)*

31 62 16 16-0014 Rolled Steel H Pile Splices *(31 62 16 16-0013)*

31 62 16 16-0015	EA	8" Rolled Steel H Pile Splice	321.19	
31 62 16 16-0016	EA	10" Rolled Steel H Pile Splice	358.60	
31 62 16 16-0017	EA	12" Rolled Steel H Pile Splice	492.79	
31 62 16 16-0018	EA	14" Rolled Steel H Pile Splice	511.50	

31 62 16 16-0019 Rolled Steel H Driving Caps *(31 62 16 16-0013)*

31 62 16 16-0020	EA	8" Rolled Steel H Driving Cap	3,115.69	
31 62 16 16-0021	EA	10" Rolled Steel H Driving Cap	3,115.69	
31 62 16 16-0022	EA	12" Rolled Steel H Driving Cap	3,176.31	
31 62 16 16-0023	EA	14" Rolled Steel H Driving Cap	4,766.08	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 16 16-0024		**Rolled Steel H Standard Pile Points** *(31 62 16 16-0013)*		
31 62 16 16-0025	EA	8" Rolled Steel H Standard Pile Point	339.90	
31 62 16 16-0026	EA	10" Rolled Steel H Standard Pile Point	358.60	
31 62 16 16-0027	EA	12" Rolled Steel H Standard Pile Point	492.79	
31 62 16 16-0028	EA	14" Rolled Steel H Standard Pile Point	548.90	
31 62 16 16-0029	EA	10" Rolled Steel H Standard Pile Point	492.79	
31 62 16 16-0030	EA	14" Rolled Steel H Standard Pile Point	585.13	
31 62 16 19		**Unfilled Tubular Steel Piles** *(31 62 16)*		
31 62 16 19-0001		**Unfilled Tubular Driven Steel Piles** *(31 62 16 19)*		
31 62 16 19-0002	VLF	8" Diameter x 29 Lb./FT, Unfilled Tubular Driven Steel Pile	59.54	
		For Piles Driven In Water, Add	*23.19*	
31 62 16 19-0003	VLF	8" Diameter x 36 Lb./FT, Unfilled Tubular Driven Steel Pile	69.64	
		For Piles Driven In Water, Add	*24.20*	
31 62 16 19-0004	VLF	8" Diameter x 43 Lb./FT, Unfilled Tubular Driven Steel Pile	80.54	
		For Piles Driven In Water, Add	*25.29*	
31 62 16 19-0005	VLF	10" Diameter x 34 Lb./FT, Unfilled Tubular Driven Steel Pile	69.64	
		For Piles Driven In Water, Add	*24.20*	
31 62 16 19-0006	VLF	10" Diameter x 41 Lb./FT, Unfilled Tubular Driven Steel Pile	79.23	
		For Piles Driven In Water, Add	*25.16*	
31 62 16 19-0007	VLF	10" Diameter x 55 Lb./FT, Unfilled Tubular Driven Steel Pile	100.43	
		For Piles Driven In Water, Add	*27.28*	
31 62 16 19-0008	VLF	12" Diameter x 42 Lb./FT, Unfilled Tubular Driven Steel Pile	82.53	
		For Piles Driven In Water, Add	*26.39*	
31 62 16 19-0009	VLF	12" Diameter x 50 Lb./FT, Unfilled Tubular Driven Steel Pile	93.76	
		For Piles Driven In Water, Add	*27.51*	
31 62 16 19-0010	VLF	12" Diameter x 54 Lb./FT, Unfilled Tubular Driven Steel Pile	100.00	
		For Piles Driven In Water, Add	*28.14*	
31 62 16 19-0011	VLF	12" Diameter x 65 Lb./FT, Unfilled Tubular Driven Steel Pile	117.46	
		For Piles Driven In Water, Add	*29.88*	
31 62 16 19-0012	VLF	14" Diameter x 46 Lb./FT, Unfilled Tubular Driven Steel Pile	89.13	
		For Piles Driven In Water, Add	*28.95*	
31 62 16 19-0013	VLF	14" Diameter x 55 Lb./FT, Unfilled Tubular Driven Steel Pile	101.83	
		For Piles Driven In Water, Add	*30.22*	
31 62 16 19-0014	VLF	14" Diameter x 64 Lb./FT, Unfilled Tubular Driven Steel Pile	114.54	
		For Piles Driven In Water, Add	*31.49*	
31 62 16 19-0015	VLF	14" Diameter x 72 Lb./FT, Unfilled Tubular Driven Steel Pile	127.24	
		For Piles Driven In Water, Add	*32.76*	
31 62 16 19-0016	VLF	16" Diameter x 52 Lb./FT, Unfilled Tubular Driven Steel Pile	99.13	
		For Piles Driven In Water, Add	*32.29*	
31 62 16 19-0017	VLF	16" Diameter x 63 Lb./FT, Unfilled Tubular Driven Steel Pile	113.99	
		For Piles Driven In Water, Add	*33.77*	
31 62 16 19-0018	VLF	16" Diameter x 83 Lb./FT, Unfilled Tubular Driven Steel Pile	142.95	
		For Piles Driven In Water, Add	*36.67*	
31 62 16 19-0019	VLF	18" Diameter x 59 Lb./FT, Unfilled Tubular Driven Steel Pile	123.45	
		For Piles Driven In Water, Add	*36.61*	
31 62 16 19-0020	VLF	18" Diameter x 71 Lb./FT, Unfilled Tubular Driven Steel Pile	142.74	
		For Piles Driven In Water, Add	*38.54*	
31 62 16 19-0021	VLF	18" Diameter x 93 Lb./FT, Unfilled Tubular Driven Steel Pile	179.41	
		For Piles Driven In Water, Add	*42.21*	
31 62 16 19-0022		**Splices And Points For Pipe Piles** *(31 62 16 19)*		
31 62 16 19-0023		**Steel Pipe Pile Splices** *(31 62 16 19-0022)*		
31 62 16 19-0024	EA	8" Diameter, Steel Pipe Pile Splice	405.52	
31 62 16 19-0025	EA	10" Diameter, Steel Pipe Pile Splice	451.96	
31 62 16 19-0026	EA	12" Diameter, Steel Pipe Pile Splice	572.20	
31 62 16 19-0027	EA	14" Diameter, Steel Pipe Pile Splice	618.00	
31 62 16 19-0028	EA	16" Diameter, Steel Pipe Pile Splice	769.70	
31 62 16 19-0029	EA	18" Diameter, Steel Pipe Pile Splice	951.77	
31 62 16 19-0030		**Steel Pipe Standard Pile Points** *(31 62 16 19-0022)*		
31 62 16 19-0031	EA	8" Diameter, Steel Pipe Standard Pile Point	371.47	
31 62 16 19-0032	EA	10" Diameter, Steel Pipe Standard Pile Point	408.67	
31 62 16 19-0033	EA	12" Diameter, Steel Pipe Standard Pile Point	469.55	
31 62 16 19-0034	EA	14" Diameter, Steel Pipe Standard Pile Point	571.84	
31 62 16 19-0035	EA	16" Diameter, Steel Pipe Standard Pile Point	664.82	
31 62 16 19-0036	EA	18" Diameter, Steel Pipe Standard Pile Point	760.90	
31 62 16 19-0037		**Steel Pipe Heavy-Duty Pile Points** *(31 62 16 19-0022)*		
31 62 16 19-0038	EA	10" Diameter, Steel Pipe Heavy-Duty Pile Point	526.56	
31 62 16 19-0039	EA	12" Diameter, Steel Pipe Heavy-Duty Pile Point	573.05	
31 62 16 19-0040	EA	14" Diameter, Steel Pipe Heavy-Duty Pile Point	652.50	
31 62 16 19-0041	EA	16" Diameter, Steel Pipe Heavy-Duty Pile Point	838.48	
31 62 16 19-0042	EA	18" Diameter, Steel Pipe Heavy-Duty Pile Point	979.72	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 62 19 Timber Piles *(31 62)*

31 62 19 00-0001 Friction Or End Bearing, Driven Treated Wood Piles *(31 62 19)*

Note: 12 LB Penta-treated/CF.

31 62 19 00-0002	LF	Up To 30', 12" Butt x 8" Tip, Friction Or End Bearing, Driven Treated Wood Pile		34.80	
		For Piles Driven In Water, Add		*15.45*	
		For Untreated Pile, Deduct		*-7.96*	
		For Each Pile Tip Point, Add		*12.50*	
		For Each Pile Butt, Driving Cap, Add		*20.10*	
		For Each Splice For Pile >50', Add		*139.40*	
31 62 19 00-0003	LF	>30' To 39', 12" Butt x 8" Tip, Friction Or End Bearing, Driven Treated Wood Pile		36.70	
		For Piles Driven In Water, Add		*17.13*	
		For Untreated Pile, Deduct		*-8.04*	
		For Each Pile Tip Point, Add		*12.50*	
		For Each Pile Butt, Driving Cap, Add		*20.10*	
		For Each Splice For Pile >50', Add		*139.40*	
31 62 19 00-0004	LF	39' To 49', 12" Butt x 7" Tip, Friction Or End Bearing, Driven Treated Wood Pile		38.69	
		For Piles Driven In Water, Add		*18.23*	
		For Untreated Pile, Deduct		*-8.41*	
		For Each Pile Tip Point, Add		*12.50*	
		For Each Pile Butt, Driving Cap, Add		*20.10*	
		For Each Splice For Pile >50', Add		*139.40*	
31 62 19 00-0005	LF	>49' To 59', 13" Butt x 7" Tip, Friction Or End Bearing, Driven Treated Wood Pile		41.69	
		For Piles Driven In Water, Add		*20.32*	
		For Untreated Pile, Deduct		*-8.78*	
		For Each Pile Tip Point, Add		*12.50*	
		For Each Pile Butt, Driving Cap, Add		*20.10*	
		For Each Splice For Pile >50', Add		*139.40*	
31 62 19 00-0006	LF	>59' To 69', 13" Butt x 6" Tip, Friction Or End Bearing, Driven Treated Wood Pile		51.72	
		For Piles Driven In Water, Add		*23.12*	
		For Untreated Pile, Deduct		*-11.76*	
		For Each Pile Tip Point, Add		*12.50*	
		For Each Pile Butt, Driving Cap, Add		*20.10*	
		For Each Splice For Pile >50', Add		*139.40*	
31 62 19 00-0007	LF	>69' To 79', 13" Butt x 6" Tip, Friction Or End Bearing, Driven Treated Wood Pile		64.57	
		For Piles Driven In Water, Add		*27.99*	
		For Untreated Pile, Deduct		*-15.04*	
		For Each Pile Tip Point, Add		*12.50*	
		For Each Pile Butt, Driving Cap, Add		*20.10*	
		For Each Splice For Pile >50', Add		*139.40*	

31 62 23 Composite Piles *(31 62)*

31 62 23 13 Concrete-Filled Steel Piles *(31 62 23)*

31 62 23 13-0001 Concrete-Filled Driven Steel Pipe Piles *(31 62 23 13)*

Note: Includes 4,000 PSI concrete grout. Excludes reinforcing.

31 62 23 13-0002	VLF	8" Diameter x 29 Lb./FT, Concrete-Filled Driven Steel Pipe Pile		63.47	
		For 5,000 PSI Concrete Grout Fill, Add		*7.33*	
		For Piles Driven In Water, Add		*25.08*	
31 62 23 13-0003	VLF	8" Diameter x 36 Lb./FT, Concrete-Filled Driven Steel Pipe Pile		73.57	
		For 5,000 PSI Concrete Grout Fill, Add		*8.34*	
		For Piles Driven In Water, Add		*26.09*	
31 62 23 13-0004	VLF	8" Diameter x 43 Lb./FT, Concrete-Filled Driven Steel Pipe Pile		84.47	
		For 5,000 PSI Concrete Grout Fill, Add		*9.43*	
		For Piles Driven In Water, Add		*27.18*	
31 62 23 13-0005	VLF	10" Diameter x 34 Lb./FT, Concrete-Filled Driven Steel Pipe Pile		75.37	
		For 5,000 PSI Concrete Grout Fill, Add		*10.18*	
		For Piles Driven In Water, Add		*26.68*	
31 62 23 13-0006	VLF	10" Diameter x 41 Lb./FT, Concrete-Filled Driven Steel Pipe Pile		84.96	
		For 5,000 PSI Concrete Grout Fill, Add		*11.14*	
		For Piles Driven In Water, Add		*27.64*	
31 62 23 13-0007	VLF	10" Diameter x 55 Lb./FT, Concrete-Filled Driven Steel Pipe Pile		106.17	
		For 5,000 PSI Concrete Grout Fill, Add		*13.26*	
		For Piles Driven In Water, Add		*29.76*	
31 62 23 13-0008	VLF	12" Diameter x 42 Lb./FT, Concrete-Filled Driven Steel Pipe Pile		90.60	
		For 5,000 PSI Concrete Grout Fill, Add		*13.62*	
		For Piles Driven In Water, Add		*29.81*	
31 62 23 13-0009	VLF	12" Diameter x 50 Lb./FT, Concrete-Filled Driven Steel Pipe Pile		101.83	
		For 5,000 PSI Concrete Grout Fill, Add		*14.75*	
		For Piles Driven In Water, Add		*30.94*	
31 62 23 13-0010	VLF	12" Diameter x 54 Lb./FT, Concrete-Filled Driven Steel Pipe Pile		108.07	
		For 5,000 PSI Concrete Grout Fill, Add		*15.37*	
		For Piles Driven In Water, Add		*31.56*	
31 62 23 13-0011	VLF	12" Diameter x 65 Lb./FT, Concrete-Filled Driven Steel Pipe Pile		125.53	
		For 5,000 PSI Concrete Grout Fill, Add		*17.12*	
		For Piles Driven In Water, Add		*33.31*	
31 62 23 13-0012	VLF	14" Diameter x 46 Lb./FT, Concrete-Filled Driven Steel Pipe Pile		99.98	
		For 5,000 PSI Concrete Grout Fill, Add		*16.64*	
		For Piles Driven In Water, Add		*34.26*	
31 62 23 13-0013	VLF	14" Diameter x 55 Lb./FT, Concrete-Filled Driven Steel Pipe Pile		112.69	
		For 5,000 PSI Concrete Grout Fill, Add		*17.91*	
		For Piles Driven In Water, Add		*35.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 23 13-0014	VLF	14" Diameter x 64 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	125.39	
		For 5,000 PSI Concrete Grout Fill, Add	*19.18*	
		For Piles Driven In Water, Add	*36.80*	
31 62 23 13-0015	VLF	14" Diameter x 72 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	138.10	
		For 5,000 PSI Concrete Grout Fill, Add	*20.45*	
		For Piles Driven In Water, Add	*38.07*	
31 62 23 13-0016	VLF	16" Diameter x 52 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	110.97	
		For 5,000 PSI Concrete Grout Fill, Add	*20.45*	
		For Piles Driven In Water, Add	*36.81*	
31 62 23 13-0017	VLF	16" Diameter x 63 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	125.83	
		For 5,000 PSI Concrete Grout Fill, Add	*21.94*	
		For Piles Driven In Water, Add	*38.30*	
31 62 23 13-0018	VLF	16" Diameter x 83 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	154.80	
		For 5,000 PSI Concrete Grout Fill, Add	*24.83*	
		For Piles Driven In Water, Add	*41.19*	
31 62 23 13-0019	VLF	18" Diameter x 59 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	137.75	
		For 5,000 PSI Concrete Grout Fill, Add	*26.17*	
		For Piles Driven In Water, Add	*41.57*	
31 62 23 13-0020	VLF	18" Diameter x 71 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	157.05	
		For 5,000 PSI Concrete Grout Fill, Add	*28.10*	
		For Piles Driven In Water, Add	*43.50*	
31 62 23 13-0021	VLF	18" Diameter x 93 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	193.71	
		For 5,000 PSI Concrete Grout Fill, Add	*31.76*	
		For Piles Driven In Water, Add	*47.16*	

31 62 23 13-0022 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Piles *(31 62 23 13)*

Note: End bearing, with fluted steel casing, up to 50'. Includes 4,000 PSI concrete. Excludes reinforcing.

31 62 23 13-0023	VLF	12" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile	85.49	
		For Piles Driven In Water, Add	*22.91*	
31 62 23 13-0024	VLF	14" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile	104.42	
		For Piles Driven In Water, Add	*25.83*	
31 62 23 13-0025	VLF	16" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile	118.48	
		For Piles Driven In Water, Add	*28.42*	
31 62 23 13-0026	VLF	18" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile	128.90	
		For Piles Driven In Water, Add	*30.84*	

31 62 23 13-0027 Tapered Friction Concrete-Filled Driven Steel Piles *(31 62 23 13)*

Note: With fluted steel casing, up to 50'. Includes 4,000 PSI concrete. Excludes reinforcing.

31 62 23 13-0028	VLF	12" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile	83.78	
		For Piles Driven In Water, Add	*22.74*	
31 62 23 13-0029	VLF	14" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile	85.78	
		For Piles Driven In Water, Add	*23.97*	
31 62 23 13-0030	VLF	16" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile	105.41	
		For Piles Driven In Water, Add	*27.11*	
31 62 23 13-0031	VLF	18" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile	121.99	
		For Piles Driven In Water, Add	*30.15*	

31 62 23 13-0032 Thin Wall Shell Straight Sided Driven Steel Piles *(31 62 23 13)*

31 62 23 13-0033	VLF	8" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile	49.19	
		For Piles Driven In Water, Add	*17.03*	
		For Thick Wall Shell, Add	*0.09*	
31 62 23 13-0034	VLF	10" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile	54.28	
		For Piles Driven In Water, Add	*18.89*	
		For Thick Wall Shell, Add	*0.10*	
31 62 23 13-0035	VLF	12" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile	59.31	
		For Piles Driven In Water, Add	*20.74*	
		For Thick Wall Shell, Add	*0.11*	
31 62 23 13-0036	VLF	14" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile	64.40	
		For Piles Driven In Water, Add	*22.60*	
		For Thick Wall Shell, Add	*0.12*	
31 62 23 13-0037	VLF	16" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile	69.48	
		For Piles Driven In Water, Add	*24.45*	
		For Thick Wall Shell, Add	*0.13*	

31 63 Bored Piles *(31 60)*

31 63 36 Drilled Steel Piles *(31 63)*

31 63 36 00-0001 Drill Hole *(31 63 36)*

Note: Excludes removal of excess material.

31 63 36 00-0002 Drilling Mobilization *(31 63 36 00-0001)*

31 63 36 00-0003	EA	>12" To 24" Diameter Hole, Drilling Mobilization	996.15
31 63 36 00-0004	EA	>24" Diameter Hole, Drilling Mobilization	1,328.19

31 63 36 00-0005 Drill Hole In Soil *(31 63 36 00-0001)*

31 63 36 00-0006	LF	18" Diameter, Up To 24' Depth, Drilled/Augered Hole	57.33
31 63 36 00-0007	LF	20" Diameter, Up To 24' Depth, Drilled/Augered Hole	66.66
31 63 36 00-0008	LF	22" Diameter, Up To 24' Depth, Drilled/Augered Hole	78.33

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 63 36 00-0009	LF	24" Diameter, Up To 24' Depth, Drilled/Augered Hole	92.33	
31 63 36 00-0010	LF	26" Diameter, Up To 24' Depth, Drilled/Augered Hole	99.79	
31 63 36 00-0011	LF	28" Diameter, Up To 24' Depth, Drilled/Augered Hole	109.78	
31 63 36 00-0012	LF	30" Diameter, Up To 24' Depth, Drilled/Augered Hole	120.25	

31 63 36 00-0013 Steel H Piles *(31 63 36)*

31 63 36 00-0014 Placed In Drilled Hole, Rolled Steel H-Section Piles *(31 63 36 00-0013)*

Note: Includes guides, bracing and alignment.

31 63 36 00-0015	VLF	8" x 8" x 36 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	32.29	
		For >2,400 To 3,600, Deduct	*-1.14*	
		For >3,600 To 4,800, Deduct	*-2.28*	
		For >4,800 To 6,000, Deduct	*-3.90*	
		For >6,000, Deduct	*-5.51*	
31 63 36 00-0016	VLF	10" x 10" x 42 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	36.12	
		For >2,400 To 3,600, Deduct	*-1.25*	
		For >3,600 To 4,800, Deduct	*-2.51*	
		For >4,800 To 6,000, Deduct	*-4.31*	
		For >6,000, Deduct	*-6.12*	
31 63 36 00-0017	VLF	10" x 10" x 57 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	44.02	
		For >2,400 To 3,600, Deduct	*-1.45*	
		For >3,600 To 4,800, Deduct	*-2.90*	
		For >4,800 To 6,000, Deduct	*-5.10*	
		For >6,000, Deduct	*-7.30*	
31 63 36 00-0018	VLF	12" x 12" x 53 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	42.32	
		For >2,400 To 3,600, Deduct	*-1.42*	
		For >3,600 To 4,800, Deduct	*-2.84*	
		For >4,800 To 6,000, Deduct	*-4.95*	
		For >6,000, Deduct	*-7.07*	
31 63 36 00-0019	VLF	12" x 12" x 63 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	47.59	
		For >2,400 To 3,600, Deduct	*-1.55*	
		For >3,600 To 4,800, Deduct	*-3.10*	
		For >4,800 To 6,000, Deduct	*-5.48*	
		For >6,000, Deduct	*-7.86*	
31 63 36 00-0020	VLF	12" x 12" x 74 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	54.58	
		For >2,400 To 3,600, Deduct	*-1.75*	
		For >3,600 To 4,800, Deduct	*-3.51*	
		For >4,800 To 6,000, Deduct	*-6.24*	
		For >6,000, Deduct	*-8.97*	
31 63 36 00-0021	VLF	12" x 12" x 84 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	59.85	
		For >2,400 To 3,600, Deduct	*-1.89*	
		For >3,600 To 4,800, Deduct	*-3.77*	
		For >4,800 To 6,000, Deduct	*-6.77*	
		For >6,000, Deduct	*-9.76*	
31 63 36 00-0022	VLF	14" x 14" x 73 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	54.43	
		For >2,400 To 3,600, Deduct	*-1.76*	
		For >3,600 To 4,800, Deduct	*-3.52*	
		For >4,800 To 6,000, Deduct	*-6.24*	
		For >6,000, Deduct	*-8.96*	
31 63 36 00-0023	VLF	14" x 14" x 89 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	63.39	
		For >2,400 To 3,600, Deduct	*-1.98*	
		For >3,600 To 4,800, Deduct	*-3.97*	
		For >4,800 To 6,000, Deduct	*-7.14*	
		For >6,000, Deduct	*-10.31*	
31 63 36 00-0024	VLF	14" x 14" x 102 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	71.04	
		For >2,400 To 3,600, Deduct	*-2.21*	
		For >3,600 To 4,800, Deduct	*-4.42*	
		For >4,800 To 6,000, Deduct	*-7.97*	
		For >6,000, Deduct	*-11.52*	
31 63 36 00-0025	VLF	14" x 14" x 117 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	79.46	
		For >2,400 To 3,600, Deduct	*-2.42*	
		For >3,600 To 4,800, Deduct	*-4.84*	
		For >4,800 To 6,000, Deduct	*-8.81*	
		For >6,000, Deduct	*-12.79*	

31 63 36 00-0026 Welded Steel Stud Pins *(31 63 36 00-0013)*

Note: Includes welding to steel piles.

31 63 36 00-0027	EA	5/8" Diameter x 2-1/2" Long, Welded Steel Stud Pins	14.50	
		For >50 To 150, Deduct	*-0.62*	
		For >150 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.97*	
		For >500, Deduct	*-2.65*	
31 63 36 00-0028	EA	5/8" Diameter x 5" Long, Welded Steel Stud Pins	16.58	
		For >50 To 150, Deduct	*-0.62*	
		For >150 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-2.08*	
		For >500, Deduct	*-2.80*	
31 63 36 00-0029	EA	5/8" Diameter x 7" Long, Welded Steel Stud Pins	18.57	
		For >50 To 150, Deduct	*-0.62*	
		For >150 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-2.18*	
		For >500, Deduct	*-2.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 63 36 00-0030	EA	3/4" Diameter x 2-1/2" Long, Welded Steel Stud Pins	16.36	
		For >50 To 150, Deduct	*-0.66*	
		For >150 To 250, Deduct	*-1.39*	
		For >250 To 500, Deduct	*-2.13*	
		For >500, Deduct	*-2.86*	
31 63 36 00-0031	EA	3/4" Diameter x 5" Long, Welded Steel Stud Pins	19.50	
		For >50 To 150, Deduct	*-0.66*	
		For >150 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-3.10*	
31 63 36 00-0032	EA	3/4" Diameter x 7" Long, Welded Steel Stud Pins	21.70	
		For >50 To 150, Deduct	*-0.66*	
		For >150 To 250, Deduct	*-1.53*	
		For >250 To 500, Deduct	*-2.40*	
		For >500, Deduct	*-3.27*	
31 63 36 00-0033	EA	7/8" Diameter x 2-1/2" Long, Welded Steel Stud Pins	18.76	
		For >50 To 150, Deduct	*-0.68*	
		For >150 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-2.30*	
		For >500, Deduct	*-3.11*	
31 63 36 00-0034	EA	7/8" Diameter x 5" Long, Welded Steel Stud Pins	23.87	
		For >50 To 150, Deduct	*-0.68*	
		For >150 To 250, Deduct	*-1.62*	
		For >250 To 500, Deduct	*-2.56*	
		For >500, Deduct	*-3.50*	
31 63 36 00-0035	EA	7/8" Diameter x 7" Long, Welded Steel Stud Pins	26.37	
		For >50 To 150, Deduct	*-0.68*	
		For >150 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.68*	
		For >500, Deduct	*-3.68*	

31 63 36 00-0036 Concrete Fill *(31 63 36)*

See CSI section 03 37 16 00-0001 for pumping equipment.

31 63 36 00-0037	VLF	18" Diameter Hole Pumped Concrete Fill For Drilled Pile	46.90
31 63 36 00-0038	VLF	20" Diameter Hole Pumped Concrete Fill For Drilled Pile	52.10
31 63 36 00-0039	VLF	22" Diameter Hole Pumped Concrete Fill For Drilled Pile	57.31
31 63 36 00-0040	VLF	24" Diameter Hole Pumped Concrete Fill For Drilled Pile	62.52
31 63 36 00-0041	VLF	26" Diameter Hole Pumped Concrete Fill For Drilled Pile	67.74
31 63 36 00-0042	VLF	28" Diameter Hole Pumped Concrete Fill For Drilled Pile	72.94
31 63 36 00-0043	VLF	30" Diameter Hole Pumped Concrete Fill For Drilled Pile	85.82

31 64 Caissons *(31 60)*

31 64 13 Box Caissons *(31 64)*

31 64 13 00-0001 Caisson In Stable Ground No Casing Or Ground Water *(31 64 13)*

Note: Up to 50' deep. See CSI section 31 64 13 00-0070 for equipment set-up.

31 64 13 00-0002 Caisson In Stable Ground *(31 64 13 00-0001)*

Note: Includes 3000 PSI concrete and reinforcing.

31 64 13 00-0003	VLF	18" Diameter Caisson, No Casing Stable Ground, No Ground Water Note: 0.066 CY Concrete per VLF, 9 Lb. rebar per VLF.	60.26	
		For >50' To 100' Deep, Add	*5.83*	
		For >100' To 150' Deep, Add	*15.07*	
		For >150' To 200' Deep, Add	*20.09*	
		For Right Angle Drilling, Add	*16.06*	
31 64 13 00-0004	VLF	24" Diameter Caisson, No Casing Stable Ground, No Ground Water Note: 0.116 CY Concrete per VLF, 14 Lb. rebar per VLF.	75.47	
		For >50' To 100' Deep, Add	*7.98*	
		For >100' To 150' Deep, Add	*18.87*	
		For >150' To 200' Deep, Add	*26.02*	
		For Right Angle Drilling, Add	*17.98*	
31 64 13 00-0005	VLF	30" Diameter Caisson, No Casing Stable Ground, No Ground Water Note: 0.182 CY Concrete per VLF, 23 Lb. rebar per VLF.	106.52	
		For >50' To 100' Deep, Add	*11.76*	
		For >100' To 150' Deep, Add	*26.63*	
		For >150' To 200' Deep, Add	*37.33*	
		For Right Angle Drilling, Add	*23.84*	
31 64 13 00-0006	VLF	36" Diameter Caisson, No Casing Stable Ground, No Ground Water Note: 0.262 CY Concrete per VLF, 33 Lb. rebar per VLF.	140.67	
		For >50' To 100' Deep, Add	*16.03*	
		For >100' To 150' Deep, Add	*35.17*	
		For >150' To 200' Deep, Add	*49.93*	
		For Right Angle Drilling, Add	*29.91*	
31 64 13 00-0007	VLF	42" Diameter Caisson, No Casing Stable Ground, No Ground Water Note: 0.356 CY Concrete per VLF, 48 Lb. rebar per VLF.	179.70	
		For >50' To 100' Deep, Add	*21.22*	
		For >100' To 150' Deep, Add	*44.93*	
		For >150' To 200' Deep, Add	*64.71*	
		For Right Angle Drilling, Add	*35.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64 13 00-0008	VLF	48" Diameter Caisson No Casing Stable Ground, No Ground Water	216.17	
		Note: 0.465 CY Concrete per VLF, 57 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*26.00*	
		For >100' To 150' Deep, Add	*54.04*	
		For >150' To 200' Deep, Add	*78.44*	
		For Right Angle Drilling, Add	*41.69*	
31 64 13 00-0009	VLF	54" Diameter Caisson No Casing Stable Ground, No Ground Water	260.23	
		Note: 0.589 CY Concrete per VLF, 76 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*32.25*	
		For >100' To 150' Deep, Add	*65.06*	
		For >150' To 200' Deep, Add	*95.62*	
		For Right Angle Drilling, Add	*47.21*	
31 64 13 00-0010	VLF	60" Diameter Caisson No Casing Stable Ground, No Ground Water	305.25	
		Note: 0.727 CY Concrete per VLF, 93 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*38.65*	
		For >100' To 150' Deep, Add	*76.31*	
		For >150' To 200' Deep, Add	*113.18*	
		For Right Angle Drilling, Add	*52.83*	
31 64 13 00-0011	VLF	66" Diameter Caisson No Casing Stable Ground, No Ground Water	356.17	
		Note: 0.88 CY Concrete per VLF, 113 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*45.84*	
		For >100' To 150' Deep, Add	*89.04*	
		For >150' To 200' Deep, Add	*132.99*	
		For Right Angle Drilling, Add	*59.31*	
31 64 13 00-0012	VLF	72" Diameter Caisson No Casing Stable Ground, No Ground Water	414.47	
		Note: 1.047 CY Concrete per VLF, 134 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*54.14*	
		For >100' To 150' Deep, Add	*103.62*	
		For >150' To 200' Deep, Add	*155.75*	
		For Right Angle Drilling, Add	*66.54*	
31 64 13 00-0013	VLF	78" Diameter Caisson No Casing Stable Ground, No Ground Water	472.60	
		Note: 1.229 CY Concrete per VLF, 157 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*62.57*	
		For >100' To 150' Deep, Add	*118.15*	
		For >150' To 200' Deep, Add	*178.64*	
		For Right Angle Drilling, Add	*73.25*	
31 64 13 00-0014	VLF	84" Diameter Caisson No Casing Stable Ground, No Ground Water	534.60	
		Note: 1.425 CY Concrete per VLF, 183 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*71.62*	
		For >100' To 150' Deep, Add	*133.65*	
		For >150' To 200' Deep, Add	*203.13*	
		For Right Angle Drilling, Add	*80.23*	

31 64 13 00-0015 For Bell Excavation And Concrete, Add *(31 64 13 00-0001)*

31 64 13 00-0016	EA	Bell Excavation And Concrete, 4' Bell Diameter Stable Ground, 24" Shaft, 0.44 CY	467.56	
		For >50' To 100' Deep, Add	*38.01*	
		For >100' To 150' Deep, Add	*116.89*	
		For >150' To 200' Deep, Add	*146.87*	
31 64 13 00-0017	EA	Bell Excavation And Concrete, 6' Bell Diameter Stable Ground, 30" Shaft, 1.57 CY	1,643.67	
		For >50' To 100' Deep, Add	*133.85*	
		For >100' To 150' Deep, Add	*410.92*	
		For >150' To 200' Deep, Add	*516.59*	
31 64 13 00-0018	EA	Bell Excavation And Concrete, 7' Bell Diameter Stable Ground, 36" Shaft, 2.33 CY	2,485.83	
		For >50' To 100' Deep, Add	*205.62*	
		For >100' To 150' Deep, Add	*621.46*	
		For >150' To 200' Deep, Add	*785.26*	
31 64 13 00-0019	EA	Bell Excavation And Concrete, 8' Bell Diameter Stable Ground, 42" Shaft, 3.30 CY	3,450.53	
		For >50' To 100' Deep, Add	*285.97*	
		For >100' To 150' Deep, Add	*862.63*	
		For >150' To 200' Deep, Add	*1,090.70*	
31 64 13 00-0020	EA	Bell Excavation And Concrete, 9' Bell Diameter Stable Ground, 48" Shaft, 4.48 CY	4,683.00	
		For >50' To 100' Deep, Add	*381.24*	
		For >100' To 150' Deep, Add	*1,170.75*	
		For >150' To 200' Deep, Add	*1,471.69*	
31 64 13 00-0021	EA	Bell Excavation And Concrete, 10' Bell Diameter Stable Ground, 60" Shaft, 5.24 CY	5,506.54	
		For >50' To 100' Deep, Add	*448.09*	
		For >100' To 150' Deep, Add	*1,376.64*	
		For >150' To 200' Deep, Add	*1,730.25*	
31 64 13 00-0022	EA	Bell Excavation And Concrete, 12' Bell Diameter Stable Ground, 72" Shaft, 8.74 CY	9,339.09	
		For >50' To 100' Deep, Add	*758.45*	
		For >100' To 150' Deep, Add	*2,334.77*	
		For >150' To 200' Deep, Add	*2,932.62*	
31 64 13 00-0023	EA	Bell Excavation And Concrete, 14' Bell Diameter Stable Ground, 84" Shaft, 13.6 CY	13,502.33	
		For >50' To 100' Deep, Add	*1,107.62*	
		For >100' To 150' Deep, Add	*3,375.58*	
		For >150' To 200' Deep, Add	*4,253.77*	

31 64 13 00-0024 Caisson In Wet Ground, Casing Pulled *(31 64 13)*

Note: Up to 50' deep. See CSI section 31 64 13 00-0070 for equipment set-up.

31 64 13 00-0025 Caisson In Wet Ground *(31 64 13 00-0024)*

Note: Includes 3000 PSI concrete and reinforcing.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64 13 00-0026	VLF	18" Diameter Caisson Wet Ground, Casing Pulled	66.75	
		Note: 0.066 CY Concrete per VLF, 9 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*6.27*	
		For >100' To 150' Deep, Add	*16.69*	
		For >150' To 200' Deep, Add	*22.03*	
		For Right Angle Drilling, Add	*18.36*	
31 64 13 00-0027	VLF	24" Diameter Caisson Wet Ground, Casing Pulled	111.67	
		Note: 0.116 CY Concrete per VLF, 14 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*10.52*	
		For >100' To 150' Deep, Add	*27.92*	
		For >150' To 200' Deep, Add	*36.88*	
		For Right Angle Drilling, Add	*30.65*	
31 64 13 00-0028	VLF	30" Diameter Caisson Wet Ground, Casing Pulled	147.26	
		Note: 0.182 CY Concrete per VLF, 23 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*14.61*	
		For >100' To 150' Deep, Add	*36.82*	
		For >150' To 200' Deep, Add	*49.55*	
		For Right Angle Drilling, Add	*38.10*	
31 64 13 00-0029	VLF	36" Diameter Caisson Wet Ground, Casing Pulled	201.96	
		Note: 0.262 CY Concrete per VLF, 33 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*20.32*	
		For >100' To 150' Deep, Add	*50.49*	
		For >150' To 200' Deep, Add	*68.32*	
		For Right Angle Drilling, Add	*51.36*	
31 64 13 00-0030	VLF	42" Diameter Caisson Wet Ground, Casing Pulled	255.34	
		Note: 0.356 CY Concrete per VLF, 48 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*26.51*	
		For >100' To 150' Deep, Add	*63.84*	
		For >150' To 200' Deep, Add	*87.40*	
		For Right Angle Drilling, Add	*62.37*	
31 64 13 00-0031	VLF	48" Diameter Caisson Wet Ground, Casing Pulled	305.87	
		Note: 0.465 CY Concrete per VLF, 57 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*32.28*	
		For >100' To 150' Deep, Add	*76.47*	
		For >150' To 200' Deep, Add	*105.35*	
		For Right Angle Drilling, Add	*73.09*	
31 64 13 00-0032	VLF	54" Diameter Caisson Wet Ground, Casing Pulled	394.63	
		Note: 0.589 CY Concrete per VLF, 76 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*41.66*	
		For >100' To 150' Deep, Add	*98.66*	
		For >150' To 200' Deep, Add	*135.94*	
		For Right Angle Drilling, Add	*94.25*	
31 64 13 00-0033	VLF	60" Diameter Caisson Wet Ground, Casing Pulled	483.18	
		Note: 0.727 CY Concrete per VLF, 93 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*51.11*	
		For >100' To 150' Deep, Add	*120.80*	
		For >150' To 200' Deep, Add	*166.56*	
		For Right Angle Drilling, Add	*115.11*	
31 64 13 00-0034	VLF	66" Diameter Caisson Wet Ground, Casing Pulled	550.82	
		Note: 0.87 CY Concrete per VLF, 113 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*59.47*	
		For >100' To 150' Deep, Add	*137.71*	
		For >150' To 200' Deep, Add	*191.39*	
		For Right Angle Drilling, Add	*127.44*	
31 64 13 00-0035	VLF	72" Diameter Caisson Wet Ground, Casing Pulled	625.77	
		Note: 1.047 CY Concrete per VLF, 134 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*68.93*	
		For >100' To 150' Deep, Add	*156.44*	
		For >150' To 200' Deep, Add	*219.14*	
		For Right Angle Drilling, Add	*140.50*	
31 64 13 00-0036	VLF	78" Diameter Caisson Wet Ground, Casing Pulled	711.49	
		Note: 1.229 CY Concrete per VLF, 157 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*79.30*	
		For >100' To 150' Deep, Add	*177.87*	
		For >150' To 200' Deep, Add	*250.31*	
		For Right Angle Drilling, Add	*156.86*	
31 64 13 00-0037	VLF	84" Diameter Caisson Wet Ground, Casing Pulled	801.55	
		Note: 1.425 CY Concrete per VLF, 183 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*90.31*	
		For >100' To 150' Deep, Add	*200.39*	
		For >150' To 200' Deep, Add	*283.22*	
		For Right Angle Drilling, Add	*173.66*	

31 64 13 00-0038 For Bell Excavation And Concrete, Add *(31 64 13 00-0024)*

31 64 13 00-0039	EA	Bell Excavation And Concrete, 4' Bell Diameter Wet Ground 24" Shaft, 0.44 CY	538.30	
		For >50' To 100' Deep, Add	*42.97*	
		For >100' To 150' Deep, Add	*134.58*	
		For >150' To 200' Deep, Add	*168.10*	
31 64 13 00-0040	EA	Bell Excavation And Concrete, 6' Bell Diameter Wet Ground, 30" Shaft, 1.57 CY	1,875.29	
		For >50' To 100' Deep, Add	*150.06*	
		For >100' To 150' Deep, Add	*468.82*	
		For >150' To 200' Deep, Add	*586.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64 13 00-0041	EA	Bell Excavation And Concrete, 7' Bell Diameter Wet Ground, 36" Shaft, 2.33 CY	2,578.90	
		For >50' To 100' Deep, Add	*192.56*	
		For >100' To 150' Deep, Add	*644.73*	
		For >150' To 200' Deep, Add	*788.72*	
31 64 13 00-0042	EA	Bell Excavation And Concrete, 8' Bell Diameter Wet Ground, 42" Shaft, 3.3 CY	4,119.56	
		For >50' To 100' Deep, Add	*332.80*	
		For >100' To 150' Deep, Add	*1,029.89*	
		For >150' To 200' Deep, Add	*1,291.41*	
31 64 13 00-0043	EA	Bell Excavation And Concrete, 9' Bell Diameter Wet Ground, 48" Shaft, 4.48 CY	5,343.14	
		For >50' To 100' Deep, Add	*427.45*	
		For >100' To 150' Deep, Add	*1,335.79*	
		For >150' To 200' Deep, Add	*1,669.73*	
31 64 13 00-0044	EA	Bell Excavation And Concrete, 10' Bell Diameter Wet Ground, 60" Shaft, 5.24 CY	6,283.16	
		For >50' To 100' Deep, Add	*502.45*	
		For >100' To 150' Deep, Add	*1,570.79*	
		For >150' To 200' Deep, Add	*1,963.24*	
31 64 13 00-0045	EA	Bell Excavation And Concrete, 12' Bell Diameter Wet Ground, 72" Shaft, 8.74 CY	10,659.34	
		For >50' To 100' Deep, Add	*850.87*	
		For >100' To 150' Deep, Add	*2,664.84*	
		For >150' To 200' Deep, Add	*3,328.69*	
31 64 13 00-0046	EA	Bell Excavation And Concrete, 14' Bell Diameter Wet Ground, 84" Shaft, 13.6 CY	15,388.42	
		For >50' To 100' Deep, Add	*1,239.64*	
		For >100' To 150' Deep, Add	*3,847.11*	
		For >150' To 200' Deep, Add	*4,819.59*	

31 64 13 00-0047 Caisson In Soft Rock And Medium Hard Shale *(31 64 13)*

Note: Up to 50' deep. See CSI section 31 64 13 00-0070 for equipment set-up.

31 64 13 00-0048 Caisson In Soft Rock *(31 64 13 00-0047)*

Note: Includes 3000 PSI concrete and reinforcing.

31 64 13 00-0049	VLF	18" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 0.066 CY Concrete per VLF, 9 Lb. rebar per VLF.	259.76	
		For >50' To 100' Deep, Add	*19.78*	
		For >100' To 150' Deep, Add	*64.94*	
		For >150' To 200' Deep, Add	*79.93*	
		For Right Angle Drilling, Add	*85.92*	
31 64 13 00-0050	VLF	24" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 0.116 CY Concrete per VLF, 14 Lb. rebar per VLF.	433.39	
		For >50' To 100' Deep, Add	*33.04*	
		For >100' To 150' Deep, Add	*108.35*	
		For >150' To 200' Deep, Add	*133.39*	
		For Right Angle Drilling, Add	*143.25*	
31 64 13 00-0051	VLF	30" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 0.182 CY Concrete per VLF, 23 Lb. rebar per VLF.	653.14	
		For >50' To 100' Deep, Add	*50.02*	
		For >100' To 150' Deep, Add	*163.29*	
		For >150' To 200' Deep, Add	*201.32*	
		For Right Angle Drilling, Add	*215.16*	
31 64 13 00-0052	VLF	36" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 0.262 CY Concrete per VLF, 33 Lb. rebar per VLF.	834.42	
		For >50' To 100' Deep, Add	*64.59*	
		For >100' To 150' Deep, Add	*208.61*	
		For >150' To 200' Deep, Add	*258.06*	
		For Right Angle Drilling, Add	*272.72*	
31 64 13 00-0053	VLF	42" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 0.356 CY Concrete per VLF, 48 Lb. rebar per VLF.	1,072.26	
		For >50' To 100' Deep, Add	*83.70*	
		For >100' To 150' Deep, Add	*268.07*	
		For >150' To 200' Deep, Add	*332.48*	
		For Right Angle Drilling, Add	*348.29*	
31 64 13 00-0054	VLF	48" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 0.465 CY Concrete per VLF, 57 Lb. rebar per VLF.	1,292.98	
		For >50' To 100' Deep, Add	*101.38*	
		For >100' To 150' Deep, Add	*323.25*	
		For >150' To 200' Deep, Add	*401.48*	
		For Right Angle Drilling, Add	*418.58*	
31 64 13 00-0055	VLF	54" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 0.589 CY Concrete per VLF, 76 Lb. rebar per VLF.	1,580.96	
		For >50' To 100' Deep, Add	*124.71*	
		For >100' To 150' Deep, Add	*395.24*	
		For >150' To 200' Deep, Add	*491.84*	
		For Right Angle Drilling, Add	*509.47*	
31 64 13 00-0056	VLF	60" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 0.727 CY Concrete per VLF, 93 Lb. rebar per VLF.	1,869.01	
		For >50' To 100' Deep, Add	*148.11*	
		For >100' To 150' Deep, Add	*467.25*	
		For >150' To 200' Deep, Add	*582.31*	
		For Right Angle Drilling, Add	*600.15*	
31 64 13 00-0057	VLF	66" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 0.88 CY Concrete per VLF, 113 Lb. rebar per VLF.	2,052.60	
		For >50' To 100' Deep, Add	*164.59*	
		For >100' To 150' Deep, Add	*513.15*	
		For >150' To 200' Deep, Add	*641.92*	
		For Right Angle Drilling, Add	*653.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64 13 00-0058	VLF	72" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 1.047 CY Concrete per VLF, 134 Lb. rebar per VLF.	2,242.62	
		For >50' To 100' Deep, Add	*182.11*	
		For >100' To 150' Deep, Add	*560.66*	
		For >150' To 200' Deep, Add	*704.20*	
		For Right Angle Drilling, Add	*706.39*	
31 64 13 00-0059	VLF	78" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 1.229 CY Concrete per VLF, 157 Lb. rebar per VLF.	2,297.17	
		For >50' To 100' Deep, Add	*190.29*	
		For >100' To 150' Deep, Add	*574.29*	
		For >150' To 200' Deep, Add	*726.02*	
		For Right Angle Drilling, Add	*711.85*	
31 64 13 00-0060	VLF	84" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 1.425 CY Concrete per VLF, 183 Lb. rebar per VLF.	2,743.22	
		For >50' To 100' Deep, Add	*226.23*	
		For >100' To 150' Deep, Add	*685.81*	
		For >150' To 200' Deep, Add	*865.72*	
		For Right Angle Drilling, Add	*853.24*	

31 64 13 00-0061 For Bell Excavation And Concrete, Add *(31 64 13 00-0047)*

31 64 13 00-0062	EA	Bell Excavation And Concrete, 4' Bell Diameter Soft Rock/Shale 24" Shaft 0.44 CY	923.90	
		For >50' To 100' Deep, Add	*69.96*	
		For >100' To 150' Deep, Add	*230.98*	
		For >150' To 200' Deep, Add	*283.78*	
31 64 13 00-0063	EA	Bell Excavation And Concrete, 6' Bell Diameter Soft Rock/Shale 30" Shaft 1.57 CY	3,251.13	
		For >50' To 100' Deep, Add	*246.37*	
		For >100' To 150' Deep, Add	*812.78*	
		For >150' To 200' Deep, Add	*998.83*	
31 64 13 00-0064	EA	Bell Excavation And Concrete, 7' Bell Diameter Soft Rock/Shale 36" Shaft 2.33 CY	4,871.49	
		For >50' To 100' Deep, Add	*372.61*	
		For >100' To 150' Deep, Add	*1,217.87*	
		For >150' To 200' Deep, Add	*1,500.96*	
31 64 13 00-0065	EA	Bell Excavation And Concrete, 8' Bell Diameter Soft Rock/Shale 42" Shaft 3.3 CY	6,935.94	
		For >50' To 100' Deep, Add	*529.95*	
		For >100' To 150' Deep, Add	*1,733.99*	
		For >150' To 200' Deep, Add	*2,136.32*	
31 64 13 00-0066	EA	Bell Excavation And Concrete, 9' Bell Diameter Soft Rock/Shale 48" Shaft 4.48 CY	9,168.30	
		For >50' To 100' Deep, Add	*695.21*	
		For >100' To 150' Deep, Add	*2,292.08*	
		For >150' To 200' Deep, Add	*2,817.28*	
31 64 13 00-0067	EA	Bell Excavation And Concrete, 10" Bell Diameter Soft Rock/Shale 60" Shaft 5.24 CY	11,172.27	
		For >50' To 100' Deep, Add	*844.69*	
		For >100' To 150' Deep, Add	*2,793.07*	
		For >150' To 200' Deep, Add	*3,429.97*	
31 64 13 00-0068	EA	Bell Excavation And Concrete, 12' Bell Diameter Soft Rock/Shale 72" Shaft 8.74 CY	16,892.96	
		For >50' To 100' Deep, Add	*1,287.22*	
		For >100' To 150' Deep, Add	*4,223.24*	
		For >150' To 200' Deep, Add	*5,198.78*	
31 64 13 00-0069	EA	Bell Excavation And Concrete, 14' Bell Diameter Soft Rock/Shale 84" Shaft 13.6 CY	25,406.73	
		For >50' To 100' Deep, Add	*1,940.92*	
		For >100' To 150' Deep, Add	*6,351.68*	
		For >150' To 200' Deep, Add	*7,825.09*	

31 64 13 00-0070 Caisson Setup And Removal *(31 64 13)*

Note: Includes mobilization of equipment, erection, dismantling of equipment, move off of site.

31 64 13 00-0071	EA	Erect, Set Up, Dismantle And Removal Of Caisson 18" To 36" Diameter, Complete	3,813.68
31 64 13 00-0072	EA	Erect, Set Up, Dismantle And Removal Of Caisson 48" To 84" Diameter, Complete	5,383.71
31 64 13 00-0073	EA	Dismantle, Relocate, Erect And Set Up On Site At Different Location (During Same Phase Of Work), Caisson 18" To 36" Diameter	1,794.79
31 64 13 00-0074	EA	Dismantle, Relocate, Erect And Set Up On Site At Different Location (During Same Phase Of Work), Caisson 48" To 84" Diameter	2,393.06
31 64 13 00-0075	EA	Relocate Caisson Equipment To Different Hole On-Site Without Dismantling	149.57

31 66 Special Foundation *(31 60)*

31 66 15 Helical Foundation Piles *(31 66)*

31 66 15 00-0001 Helical Pier Restoration (Atlas) *(31 66 15)*

31 66 15 00-0002	EA	Structural Steel Piers (Atlas Pier System Or Equal) Note: Includes heavy-duty bracket, pier platform, and 14' of 3.5" diameter pier sections, non-corrosive coating, hydraulic lifting, fasteners, and other related activities and materials. Excludes excavation and core drilling	4,313.63
31 66 15 00-0003	EA	Pressure Injecting Grout For Slab Repairs, Per Location Note: Includes preparation, installing and removing grout injection pipes, and finishing. Excludes grout and core drilling.	469.19
31 66 15 00-0004	CY	Pressure Injected Non-Shrink Grout	480.19

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

END OF SECTION 31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 Exterior Improvements

32 01 Operation and Maintenance of Exterior Improvements *(32)*

32 01 11 Paving Cleaning *(32 01)*

32 01 11 53 Paint Removal from Paving *(32 01 11)*

32 01 11 53-0001 Remove Painted Or Epoxy Pavement Markings *(32 01 11 53)*

Note: Includes stripe removal by grinding, vacuuming of removed striped area and containment of debris.

32 01 11 53-0002	LF	Removal Of 4" Wide Painted Or Epoxy Pavement Striping	2.47	
		For Up To 250, Add	*1.24*	
		For >250 To 1,000, Add	*0.62*	
		For >5,000 To 10,000, Deduct	*-0.37*	
		For >10,000 To 25,000, Deduct	*-0.62*	
		For >25,000 To 50,000, Deduct	*-0.86*	
		For >50,000, Deduct	*-0.99*	
32 01 11 53-0003	LF	Removal Of 6" Wide Painted Or Epoxy Pavement Striping	2.97	
		For Up To 250, Add	*1.49*	
		For >250 To 1,000, Add	*0.74*	
		For >5,000 To 10,000, Deduct	*-0.45*	
		For >10,000 To 25,000, Deduct	*-0.74*	
		For >25,000 To 50,000, Deduct	*-1.04*	
		For >50,000, Deduct	*-1.19*	
32 01 11 53-0004	LF	Removal Of 8" Wide Painted Or Epoxy Pavement Striping	3.57	
		For Up To 250, Add	*1.79*	
		For >250 To 1,000, Add	*0.89*	
		For >5,000 To 10,000, Deduct	*-0.54*	
		For >10,000 To 25,000, Deduct	*-0.89*	
		For >25,000 To 50,000, Deduct	*-1.25*	
		For >50,000, Deduct	*-1.43*	
32 01 11 53-0005	LF	Removal Of 12" Wide Painted Or Epoxy Pavement Striping	4.26	
		For Up To 250, Add	*2.13*	
		For >250 To 1,000, Add	*1.07*	
		For >5,000 To 10,000, Deduct	*-0.64*	
		For >10,000 To 25,000, Deduct	*-1.07*	
		For >25,000 To 50,000, Deduct	*-1.49*	
		For >50,000, Deduct	*-1.70*	
32 01 11 53-0006	LF	Remove Paint From Curb	7.93	
32 01 11 53-0007	SF	Removal Of Painted Or Epoxy Pavement Marking, Letters Or Symbols	4.26	
		For Up To 250, Add	*2.13*	
		For >250 To 1,000, Add	*1.07*	
		For >5,000 To 10,000, Deduct	*-0.64*	
		For >10,000 To 25,000, Deduct	*-1.07*	
		For >25,000 To 50,000, Deduct	*-1.49*	
		For >50,000, Deduct	*-1.70*	
32 01 11 53-0008	LF	Removal Of 4" Wide Thermoplastic Pavement Striping	3.19	
		For Up To 250, Add	*1.60*	
		For >250 To 1,000, Add	*0.80*	
		For >5,000 To 10,000, Deduct	*-0.48*	
		For >10,000 To 25,000, Deduct	*-0.80*	
		For >25,000 To 50,000, Deduct	*-1.12*	
		For >50,000, Deduct	*-1.28*	
32 01 11 53-0009	LF	Removal Of 6" Wide Thermoplastic Pavement Striping	3.75	
		For Up To 250, Add	*1.88*	
		For >250 To 1,000, Add	*0.94*	
		For >5,000 To 10,000, Deduct	*-0.56*	
		For >10,000 To 25,000, Deduct	*-0.94*	
		For >25,000 To 50,000, Deduct	*-1.31*	
		For >50,000, Deduct	*-1.50*	
32 01 11 53-0010	LF	Removal Of 8" Wide Thermoplastic Pavement Striping	4.54	
		For Up To 250, Add	*2.27*	
		For >250 To 1,000, Add	*1.14*	
		For >5,000 To 10,000, Deduct	*-0.68*	
		For >10,000 To 25,000, Deduct	*-1.14*	
		For >25,000 To 50,000, Deduct	*-1.59*	
		For >50,000, Deduct	*-1.82*	
32 01 11 53-0011	LF	Removal Of 12" Wide Thermoplastic Pavement Striping	5.43	
		For Up To 250, Add	*2.72*	
		For >250 To 1,000, Add	*1.36*	
		For >5,000 To 10,000, Deduct	*-0.81*	
		For >10,000 To 25,000, Deduct	*-1.36*	
		For >25,000 To 50,000, Deduct	*-1.90*	
		For >50,000, Deduct	*-2.17*	
32 01 11 53-0012	SF	Removal Of Thermoplastic Pavement Marking, Letters Or Symbols	5.43	
		For Up To 250, Add	*2.72*	
		For >250 To 1,000, Add	*1.36*	
		For >5,000 To 10,000, Deduct	*-0.81*	
		For >10,000 To 25,000, Deduct	*-1.36*	
		For >25,000 To 50,000, Deduct	*-1.90*	
		For >50,000, Deduct	*-2.17*	

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LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 01 13 Flexible Paving Surface Treatment *(32 01)*

32 01 13 61 Slurry Seal (Latex Modified) *(32 01 13)*

32 01 13 61-0001 Asphalt Seal Coating, For Roads And Parking Lot *(32 01 13 61)*

Note: Includes sweeping and cleaning of area.

32 01 13 61-0002	EA	Asphalt Seal Coating Minimum Charge Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	910.89
32 01 13 61-0003	SY	Up To 500 SY, Type O Asphalt Seal Coating, No Aggregate, Per Coat	3.39
32 01 13 61-0004	SY	>500 To 1,000 SY, Type O Asphalt Seal Coating, No Aggregate, Per Coat	3.13
32 01 13 61-0005	SY	>1,000 SY, Type O Asphalt Seal Coating, No Aggregate. Per Coat	2.93
32 01 13 61-0006	SY	Up To 500 SY, Type I Slurry Seal Asphalt Coating, Per Coat Note: 1/8" thick.	3.61
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.31*
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.37*
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.47*
		For Each 0.5% Of Latex Addition, Add	*0.32*
32 01 13 61-0007	SY	>500 To 1,000 SY, Type I Slurry Seal Asphalt Coating, Per Coat Note: 1/8" thick.	3.42
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.30*
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.36*
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.46*
		For Each 0.5% Of Latex Addition, Add	*0.32*
32 01 13 61-0008	SY	>1,000 To 5,000 SY, Type I Slurry Seal Asphalt Coating, Per Coat Note: 1/8" thick.	3.26
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.29*
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.35*
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.45*
		For Each 0.5% Of Latex Addition, Add	*0.32*
32 01 13 61-0009	SY	>5,000 To 20,000 SY, Type I Slurry Seal Asphalt Coating, Per Coat Note: 1/8" thick.	3.11
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.28*
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.34*
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.44*
		For Each 0.5% Of Latex Addition, Add	*0.32*
32 01 13 61-0010	SY	>20,000 To 50,000 SY, Type I Slurry Seal Asphalt Coating, Per Coat Note: 1/8" thick.	3.11
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.28*
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.34*
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.44*
		For Each 0.5% Of Latex Addition, Add	*0.32*
32 01 13 61-0011	SY	>50,000 SY, Type I Slurry Seal Asphalt Coating, Per Coat Note: 1/8" thick.	2.86
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.27*
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.33*
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.43*
		For Each 0.5% Of Latex Addition, Add	*0.32*
32 01 13 61-0012	SY	Up To 500 SY, Type II Slurry Seal Asphalt Coating, Per Coat Note: 1/4" thick, 14 to 18 Lb/SY.	4.90
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.33*
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.39*
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.49*
		For Each 0.5% Of Latex Addition, Add	*0.47*
32 01 13 61-0013	SY	>500 To 1,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat Note: 1/4" thick, 14 to 18 Lb/SY.	4.58
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.32*
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.38*
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.48*
		For Each 0.5% Of Latex Addition, Add	*0.47*
32 01 13 61-0014	SY	>1,000 To 5,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat Note: 1/4" thick, 14 to 18 Lb/SY.	4.34
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.30*
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.36*
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.46*
		For Each 0.5% Of Latex Addition, Add	*0.47*
32 01 13 61-0015	SY	>5,000 To 20,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat Note: 1/4" thick, 14 to 18 Lb/SY.	4.12
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.29*
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.35*
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.45*
		For Each 0.5% Of Latex Addition, Add	*0.47*
32 01 13 61-0016	SY	>20,000 To 50,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat Note: 1/4" thick, 14 to 18 Lb/SY.	3.91
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.28*
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.34*
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.44*
		For Each 0.5% Of Latex Addition, Add	*0.47*
32 01 13 61-0017	SY	>50,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat Note: 1/4" thick, 14 to 18 Lb/SY.	3.72
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.27*
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.33*
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.43*
		For Each 0.5% Of Latex Addition, Add	*0.47*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 13 61-0018	SY	Up To 500 SY, Type III Slurry Seal Asphalt Coating, Per Coat Note: 3/8" thick, 25 to 30 Lb/SY.	6.18	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.34*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.40*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.50*	
		For Each 0.5% Of Latex Addition, Add	*0.76*	
32 01 13 61-0019	SY	>500 To 1,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat Note: 3/8" thick, 25 to 30 Lb/SY.	5.84	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.32*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.38*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.48*	
		For Each 0.5% Of Latex Addition, Add	*0.76*	
32 01 13 61-0020	SY	>1,000 To 5,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat Note: 3/8" thick, 25 to 30 Lb/SY.	5.59	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.31*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.37*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.47*	
		For Each 0.5% Of Latex Addition, Add	*0.76*	
32 01 13 61-0021	SY	>5,000 To 20,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat Note: 3/8" thick, 25 to 30 Lb/SY.	5.35	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.30*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.36*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.46*	
		For Each 0.5% Of Latex Addition, Add	*0.76*	
32 01 13 61-0022	SY	>20,000 To 50,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat Note: 3/8" thick, 25 to 30 Lb/SY.	5.13	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.29*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.35*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.45*	
		For Each 0.5% Of Latex Addition, Add	*0.76*	
32 01 13 61-0023	SY	>50,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat Note: 3/8" thick, 25 to 30 Lb/SY.	4.93	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.28*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.34*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.44*	
		For Each 0.5% Of Latex Addition, Add	*0.76*	

32 01 13 62 Asphalt Surface Treatment *(32 01 13)*

32 01 13 62-0001 Polymer-Modified, Microsurfacing Emulsion (MSE Microsurfacing) *(32 01 13 62)*
Note: Use a blend of emulsified quickset polymer-modified emulsion asphalt and latex-based polymer. Includes sweeping and cleaning of area.

32 01 13 62-0002	SY	Up To 200 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE)	11.12
32 01 13 62-0003	SY	Up To 500 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE)	10.60
32 01 13 62-0004	SY	>500 To 1,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE)	10.15
32 01 13 62-0005	SY	>1,000 To 5,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE)	9.76
32 01 13 62-0006	SY	>5,000 To 10,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE)	9.41
32 01 13 62-0007	SY	>10,000 To 20,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE)	9.11
32 01 13 62-0008	SY	>20,000 To 50,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE)	8.89
32 01 13 62-0009	SY	>50,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE)	8.77

32 01 16 Flexible Paving Rehabilitation *(32 01)*

32 01 16 71 Cold Milling Asphalt Pavement *(32 01 16)*

32 01 16 71-0001 Removal Of Asphalt Surface Course *(32 01 16 71)*
Note: Includes direct loading into truck.

32 01 16 71-0002 Production Cold Milling Of Roads And Parking Areas *(32 01 16 71-0001)*
Note: For removal of entire lanes of roads or parking areas. Includes work around manholes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0041 for hauling.

32 01 16 71-0003	SY	Up To 3" Depth, Production Cold Milling Of Asphalt	4.51
		For Up To 2,500, Add	*3.38*
		For >2,500 To 5,000, Add	*1.13*
		For >10,000 To 25,000, Deduct	*-0.79*
		For >25,000, Deduct	*-1.13*
32 01 16 71-0004	SY	>3" To 6" Depth, Production Cold Milling Of Asphalt	5.69
		For Up To 2,500, Add	*4.27*
		For >2,500 To 5,000, Add	*1.42*
		For >10,000 To 25,000, Deduct	*-1.00*
		For >25,000, Deduct	*-1.42*
32 01 16 71-0005	SY	>6" To 12" Depth, Production Cold Milling Of Asphalt	7.58
		For Up To 2,500, Add	*5.69*
		For >2,500 To 5,000, Add	*1.90*
		For >10,000 To 25,000, Deduct	*-1.33*
		For >25,000, Deduct	*-1.90*

32 01 16 71-0006 Limited Production Cold Milling *(32 01 16 71-0001)*
Note: For cross sections of roadways, trenching, partial shoulders, and other small or narrow areas. Includes work around manholes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0041 for hauling.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 16 71-0007	SY	Up To 3" Depth, Limited Cold Milling Of Asphalt	29.99	
		For >100 To 1,000, Deduct	*-15.00*	
		For >1,000, Deduct	*-22.49*	
32 01 16 71-0008	SY	>3" To 6" Depth, Limited Cold Milling Of Asphalt	39.72	
		For >100 To 1,000, Deduct	*-19.86*	
		For >1,000, Deduct	*-29.79*	
32 01 16 71-0009	SY	>6" To 12" Depth, Limited Cold Milling Of Asphalt	52.91	
		For >100 To 1,000, Deduct	*-26.46*	
		For >1,000, Deduct	*-39.68*	

32 01 16 71-0010 Grind, Leave In-Place Asphalt Grindings *(32 01 16 71)*

Note: For use as subbase material, includes spreading and rolling.

32 01 16 71-0011	SY	Grind, Leave In-Place As Subbase Course, 6-9" Depth	8.06	

32 01 16 74 In Place Hot Reused Asphalt Paving *(32 01 16)*

32 01 16 74-0001 Rejuvenate And Respread Asphalt Pavement *(32 01 16 74)*

Note: Includes direct loading into truck.

32 01 16 74-0002	SY	Removal, Rejuvenation, And Respreading Of Asphalt Grindings To 1/2" Deep	11.42	
32 01 16 74-0003	SY	Removal, Rejuvenation, And Respreading Of Asphalt Grindings To 1/2" Deep, Previously Sealed Cold Tar	13.81	
32 01 16 74-0004	TON	Removal, Rejuvenation, And Respreading Of Asphalt Grindings	205.04	

32 01 16 74-0005 Reclamation, Pulverize And Blending With Existing *(32 01 16 74)*

Note: Includes direct loading into truck.

32 01 16 74-0006	SY	Up To 2" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	16.16	
32 01 16 74-0007	SY	Up To 2" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	8.08	
32 01 16 74-0008	SY	Up To 2" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	4.04	
32 01 16 74-0009	SY	Up To 2" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	3.83	
32 01 16 74-0010	SY	>2" To 3" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	4.41	
32 01 16 74-0011	SY	>2" To 3" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	17.63	
32 01 16 74-0012	SY	>2" To 3" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	8.81	
32 01 16 74-0013	SY	>2" To 3" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	4.15	
32 01 16 74-0014	SY	>3" To 4" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	19.39	
32 01 16 74-0015	SY	>3" To 4" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	9.69	
32 01 16 74-0016	SY	>3" To 4" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	4.85	
32 01 16 74-0017	SY	>3" To 4" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	4.47	
32 01 16 74-0018	SY	>4" To 8" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	21.16	
32 01 16 74-0019	SY	>4" To 8" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	10.58	
32 01 16 74-0020	SY	>4" To 8" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	5.28	
32 01 16 74-0021	SY	>4" To 8" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	4.93	
32 01 16 74-0022	EA	Mobilization And Demobilization For Reclamation, Pulverizing And Blending Crew	1,817.98	

32 01 17 Flexible Paving Repair *(32 01)*

See CSI section 32 12 16 00-0000 for large area resurfacing.

32 01 17 61 Sealing Cracks in Asphalt Paving *(32 01 17)*

Note: Includes removing loose materials and cleaning.

32 01 17 61-0001 Hot-Applied, Pourable, Self-Adhesive Asphalt Binder Compounded With Standard Weight Aggregate Longitudinal Crack And Sealing Repair *(32 01 17 61)*

Note: Includes removing loose materials and cleaning.

32 01 17 61-0002	LF	Up To 200 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	1.88	
		For 3/4" x 1/2" Fill, Add	*0.55*	
		For 1" x 1/2" Fill, Add	*1.05*	
		For Backer Rod, Add	*1.17*	
32 01 17 61-0003	LF	>200 To 500 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	1.53	
		For 3/4" x 1/2" Fill, Add	*0.46*	
		For 1" x 1/2" Fill, Add	*0.87*	
		For Backer Rod, Add	*1.05*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 17 61-0004	LF	>500 To 2,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	1.23	
		For 3/4" x 1/2" Fill, Add	*0.37*	
		For 1" x 1/2" Fill, Add	*0.71*	
		For Backer Rod, Add	*0.94*	
32 01 17 61-0005	LF	>2,000 To 5,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	1.07	
		For 3/4" x 1/2" Fill, Add	*0.33*	
		For 1" x 1/2" Fill, Add	*0.63*	
		For Backer Rod, Add	*0.88*	
32 01 17 61-0006	LF	>5,000 To 10,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	0.94	
		For 3/4" x 1/2" Fill, Add	*0.29*	
		For 1" x 1/2" Fill, Add	*0.55*	
		For Backer Rod, Add	*0.82*	
32 01 17 61-0007	LF	>10,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	0.87	
		For 3/4" x 1/2" Fill, Add	*0.26*	
		For 1" x 1/2" Fill, Add	*0.50*	
		For Backer Rod, Add	*0.78*	
32 01 17 61-0008	LF	Up To 200 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	3.52	
		For 3/8" x 1/4" Fill, Add	*0.82*	
		For 1/2" x 1/4" Fill, Add	*1.50*	
		For 1/2" x 1/2" Fill, Add	*3.57*	
32 01 17 61-0009	LF	>200 To 500 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	2.84	
		For 3/8" x 1/4" Fill, Add	*0.67*	
		For 1/2" x 1/4" Fill, Add	*1.24*	
		For 1/2" x 1/2" Fill, Add	*2.98*	
32 01 17 61-0010	LF	>500 To 2,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	2.20	
		For 3/8" x 1/4" Fill, Add	*0.53*	
		For 1/2" x 1/4" Fill, Add	*0.99*	
		For 1/2" x 1/2" Fill, Add	*2.39*	
32 01 17 61-0011	LF	>2,000 To 5,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	1.93	
		For 3/8" x 1/4" Fill, Add	*0.47*	
		For 1/2" x 1/4" Fill, Add	*0.87*	
		For 1/2" x 1/2" Fill, Add	*2.12*	
32 01 17 61-0012	LF	>5,000 To 10,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	1.74	
		For 3/8" x 1/4" Fill, Add	*0.42*	
		For 1/2" x 1/4" Fill, Add	*0.78*	
		For 1/2" x 1/2" Fill, Add	*1.89*	
32 01 17 61-0013	LF	>10,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	1.62	
		For 3/8" x 1/4" Fill, Add	*0.39*	
		For 1/2" x 1/4" Fill, Add	*0.72*	
		For 1/2" x 1/2" Fill, Add	*1.74*	
32 01 17 61-0014	LF	For Routing And Cleaning Of Crack, Add Per 1/2" Depth	0.59	
32 01 17 61-0015	LF	Crack Fill Backer Material, Up To 1" Diameter, As Required	1.93	

32 01 17 63 Flexible Pavement Repair *(32 01 17)*

32 01 17 63-0001 Temporary Pot Hole Repair *(32 01 17 63)*

Note: Includes removal of loose material and moisture, bonding agent, compaction, safety cones and hauling up to 15 miles. Excludes signage, barricades, flagmen, field survey or marking. See CSI section 01 74 19 00-0041 for hauling greater than 15 miles.

32 01 17 63-0002	EA	Temporary Pot Hole Repairs With Cold Mix Modified, Up To 3 Tons	1,856.00
32 01 17 63-0003	TON	Temporary Pot Hole Repairs With Cold Mix Modified Note: Use for each ton over 3 tons.	561.62
32 01 17 63-0004	EA	Temporary Pot Hole Repairs With Cold Mix, Up To 3 Tons	1,772.32
32 01 17 63-0005	TON	Temporary Pot Hole Repairs With Cold Mix Note: Use for each ton over 3 tons.	533.73
32 01 17 63-0006	EA	Temporary Pot Hole Repairs With Hot Mix Modified, Up To 3 Tons	1,730.49
32 01 17 63-0007	TON	Temporary Pot Hole Repairs With Hot Mix Modified Note: Use for each ton over 3 tons.	519.78
32 01 17 63-0008	EA	Temporary Pot Hole Repairs With Hot Mix, Up To 3 Tons	1,688.65
32 01 17 63-0009	TON	Temporary Pot Hole Repairs With Hot Mix Note: Use for each ton over 3 tons.	505.84

32 01 17 63-0010 Permanent Pot Hole Repair *(32 01 17 63)*

Note: Includes removal of loose material and moisture, saw cutting, chipping, squaring off, bonding agent, compaction and hauling up to 15 miles Tasks do not include signage, barricades, flagmen, field survey or marking. See CSI section 01 74 19 00-0041 for hauling greater than 15 miles.

32 01 17 63-0011	EA	Permanent Pot Hole Repairs With Cold Mix, Up To 3 Tons	1,986.26
32 01 17 63-0012	TON	Permanent Pot Hole Repairs With Cold Mix Note: Use for each ton over 3 tons.	645.68
32 01 17 63-0013	EA	Permanent Pot Hole Repairs With Hot Mix Modified, Up To 3 Tons	1,944.43
32 01 17 63-0014	TON	Permanent Pot Hole Repairs With Hot Mix Modified Note: Use for each ton over 3 tons.	631.73
32 01 17 63-0015	EA	Permanent Pot Hole Repairs With Hot Mix, Up To 3 Tons	1,902.59
32 01 17 63-0016	TON	Permanent Pot Hole Repairs With Hot Mix Note: Use for each ton over 3 tons.	617.79

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 17 63-0017		**Asphalt Placement For Small Repairs** *(32 01 17 63)* Note: This section is used for placing up to 100 tons of asphalt after a small area of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc. Includes mobilization of paving equipment such as a roller, placing the asphalt, compaction and hauling up to 15 miles. Excludes saw cutting, demolition of existing pavement, and new subbase material. Use approximately 0.055 tons per square yard per inch of depth. See CSI section 02 41 19 13-0059 for saw cutting, 32 12 16 13-0000 for areas requiring more than 100 tons.		
32 01 17 63-0018	EA	Asphalt Placement For Small Repair Areas, Cold Mix Modified, Up To 3 Tons Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	2,592.28	
32 01 17 63-0019	TON	Asphalt Placement For Small Repair Areas, Cold Mix Modified Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	360.47	
32 01 17 63-0020	EA	Asphalt Placement For Small Repair Areas, Cold Mix, Up To 3 Tons Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	2,508.60	
32 01 17 63-0021	TON	Asphalt Placement For Small Repair Areas, Cold Mix Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	332.58	
32 01 17 63-0022	EA	Asphalt Placement For Small Repair Areas, Hot Mix Modified, Up To 3 Tons Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	2,466.77	
32 01 17 63-0023	TON	Asphalt Placement For Small Repair Areas, Hot Mix Modified Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	318.63	
32 01 17 63-0024	EA	Asphalt Placement For Small Repair Areas, Hot Mix, Up To 3 Tons Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	2,424.93	
32 01 17 63-0025	TON	Asphalt Placement For Small Repair Areas, Hot Mix Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	304.69	
32 01 17 63-0026		**Grind Asphalt** *(32 01 17 63)*		
32 01 17 63-0027	SY	Grinding Asphalt To Level Bump Or Raised Area	24.86	

32 01 26 Rigid Paving Rehabilitation *(32 01)*

32 01 26 71 Grooving of Concrete Paving *(32 01 26)*

32 01 26 71-0001		**Roadway Grooving** *(32 01 26 71)*		
32 01 26 71-0002	EA	First 500 SY Of Pavement Grooving, Concrete, Longitudinal	4,145.00	
32 01 26 71-0003	SY	Each SY Over First 500 SY Of Pavement Grooving, Concrete, Longitudinal	3.84	
32 01 26 71-0004	EA	First 500 SY Of Pavement Grooving, Concrete, Traverse	4,617.67	
32 01 26 71-0005	SY	Each SY Over First 500 SY Of Pavement Grooving, Concrete, Traverse	5.00	
32 01 26 71-0006		**Rumble Strips** *(32 01 26 71)*		
32 01 26 71-0007	EA	First 5280 LF Of MIARDS, Rumble Strips, Asphalt	4,954.41	
32 01 26 71-0008	LF	Each LF Over First 5280 LF Of MIARDS, Rumble Strips, Asphalt	0.90	
32 01 26 71-0009	EA	First 2,000 LF Of MIARDS, Rumble Strips, Concrete	5,521.24	
32 01 26 71-0010	LF	Each LF Over First 2,000 LF Of MIARDS, Rumble Strips, Concrete	1.01	

32 01 26 73 Milling Of Concrete Paving *(32 01 26)*

32 01 26 73-0001		**Removal Of Concrete** *(32 01 26 73)* Note: Includes direct loading into truck.		
32 01 26 73-0002		**Production Milling Of Roads And Parking Areas** *(32 01 26 73-0001)* Note: For removal of entire lanes of roads or parking areas. Includes work around manholes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0041 for hauling.		
32 01 26 73-0003	SY	Production Milling Of Concrete Per Inch	7.18	
32 01 26 73-0004		**Limited Production Milling** *(32 01 26 73-0001)* Note: For cross sections of roadways, trenching, partial shoulders, and other small or narrow areas. Includes work around manholes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0041 for hauling.		
32 01 26 73-0005	SY	Limited Production Milling Of Concrete Per Inch	45.08	

32 01 29 Rigid Paving Repair *(32 01)*

32 01 29 61 Partial Depth Patching of Rigid Paving *(32 01 29)*

32 01 29 61-0001		**Hot Applied Flexible Concrete Repair** *(32 01 29 61)* Note: Excludes saw cutting (where required), flagmen.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 29 61-0002	EA	Hot Applied Flexible Concrete Repair Minimum Charge Note: For projects where the total Hot Applied Flexible Concrete Repair In Asphalt charge is less than the minimum charge, use task "Minimum Charge For Hot Applied Flexible Concrete Repair" exclusively. Task "Minimum Charge For Hot Applied Flexible Concrete Repair" should not be used in conjunction with any other tasks in this section.	1,298.65	
32 01 29 61-0003	SF	Up To 2" Depth, Hot Applied Flexible Concrete Repair	71.65	
		For >25 SF Quantity, Deduct	*-7.17*	
32 01 29 61-0004	SF	>2" To 4" Depth, Hot Applied Flexible Concrete Repair	134.50	
		For >25 SF Quantity, Deduct	*-13.45*	
32 01 29 61-0005	SF	>4" To 6" Depth, Hot Applied Flexible Concrete Repair	196.76	
		For >25 SF Quantity, Deduct	*-19.68*	
32 01 29 61-0006	SF	>6" To 8" Depth, Hot Applied Flexible Concrete Repair	259.01	
		For >25 SF Quantity, Deduct	*-25.90*	
32 01 29 61-0007	SF	>8" To 10" Depth, Hot Applied Flexible Concrete Repair	321.27	
		For >25 SF Quantity, Deduct	*-32.13*	
32 01 29 61-0008	CF	>10" Depth, Hot Applied Flexible Concrete Repair	382.94	
32 01 29 61-0009		Cold Applied Flexible Concrete Repair *(32 01 29 61)*		
32 01 29 61-0010	SF	1/8" To 1/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water)	7.08	
32 01 29 61-0011	SF	1/4" To 1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water)	10.17	
32 01 29 61-0012	SF	1/2" To 3/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water)	13.38	
32 01 29 61-0013	SF	3/4" To 1" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water)	16.71	
32 01 29 61-0014	SF	1" To 1-1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water)	23.82	
32 01 29 61-0015	SF	1/8" To 1/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R)	7.17	
32 01 29 61-0016	SF	1/4" To 1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R)	10.26	
32 01 29 61-0017	SF	1/2" To 3/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R)	13.47	
32 01 29 61-0018	SF	3/4" To 1" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R)	16.80	
32 01 29 61-0019	SF	1" To 1-1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R)	23.91	
32 01 29 61-0020	SF	1/8" To 1/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R)	7.12	
32 01 29 61-0021	SF	1/4" To 1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R)	10.21	
32 01 29 61-0022	SF	1/2" To 3/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R)	13.42	
32 01 29 61-0023	SF	3/4" To 1" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R)	16.75	
32 01 29 61-0024	SF	1" To 1-1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R)	23.86	

32 01 90 Operation and Maintenance of Planting *(32 01)*

Note: These tasks are to be used as requested by the owner to maintain existing conditions.

32 01 90 13 Fertilizing *(32 01 90)*

32 01 90 13-0001	MSF	Fertilizer - 2 Lb. Of Nitrogen/MSF (Granular)	16.62	
32 01 90 13-0002	MSF	Fertilizer - 2 Lb. Of Nitrogen/MSF (Liquid)	12.35	
32 01 90 13-0003	MSF	Fertilizer - 0.5 Lb. Of Nitrogen/MSF (Granular)	13.45	
32 01 90 13-0004	MSF	Fertilizer - 0.5 Lb. Of Nitrogen/MSF (Liquid)	11.11	

32 01 90 19 Mowing *(32 01 90)*

32 01 90 19-0001	ACR	Vegetation Cutting By Bush Hog Note: Includes normal debris removal, cutting, and trimming.	216.88	
		For <1 Acre, Add	*54.22*	
32 01 90 19-0002	MSF	Mowing Vegetation With Riding Mower, >20,000 To 45,000 SF	7.72	
32 01 90 19-0003	MSF	Mowing Vegetation With Riding Mower, >45,000 SF	5.98	
32 01 90 19-0004	MSF	Clear Vegetation With Weed Trimmer, Up To 1,000 SF	28.10	
		For Work On Slopes >2:1, Add	*7.03*	
		For Clearing Light Brush, Add	*4.22*	
32 01 90 19-0005	MSF	Clear Vegetation With Weed Trimmer, >1,000 SF	23.60	
		For Work On Slopes >2:1, Add	*5.90*	
		For Clearing Light Brush, Add	*3.54*	
32 01 90 19-0006	MSF	Blow Or Vacuum Dispersed Non-Native Seed After Bulk Of Biomass Removed	22.75	

32 01 90 23 Pruning *(32 01 90)*

32 01 90 23-0001		Tree Pruning *(32 01 90 23)* Note: Types of pruning for mature trees (these standards are established by the ISA - International Society of Arboriculture). Includes loading onto truck or dumpster.		
32 01 90 23-0002		Tree Pruning; Crown Cleaning *(32 01 90 23-0001)* Note: Crown cleaning or cleaning out is the removal of dead, dying, diseased, crowded, weakly attached, and low-vigor branches and waterspouts from a tree crown.		
32 01 90 23-0003	EA	1-1/2" Caliper, Tree Pruning (Crown Cleaning), By Hand	35.60	
		For >25, Deduct	*-4.45*	
32 01 90 23-0004	EA	2" Caliper, Tree Pruning (Crown Cleaning), By Hand	40.69	
		For >25, Deduct	*-5.09*	
32 01 90 23-0005	EA	2-1/2" Caliper, Tree Pruning (Crown Cleaning), By Hand	45.78	
		For >25, Deduct	*-5.72*	
32 01 90 23-0006	EA	3" Caliper, Tree Pruning (Crown Cleaning), By Hand	50.87	
		For >25, Deduct	*-6.36*	
32 01 90 23-0007	EA	4" Caliper, Tree Pruning (Crown Cleaning), By Hand	77.30	
		For >25, Deduct	*-9.66*	
32 01 90 23-0008	EA	4" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	125.47	
		For >25, Deduct	*-15.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 90 23-0009	EA	6" Caliper, Tree Pruning (Crown Cleaning), By Hand	135.28	
		For >25, Deduct	*-16.91*	
32 01 90 23-0010	EA	6" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	238.96	
		For >25, Deduct	*-29.87*	
32 01 90 23-0011	EA	9" Caliper, Tree Pruning (Crown Cleaning), By Hand	216.63	
		For >25, Deduct	*-27.08*	
32 01 90 23-0012	EA	9" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	382.26	
		For >25, Deduct	*-47.78*	
32 01 90 23-0013	EA	12" Caliper, Tree Pruning (Crown Cleaning), By Hand	250.32	
		For >25, Deduct	*-31.29*	
32 01 90 23-0014	EA	12" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	442.06	
		For >25, Deduct	*-55.26*	
32 01 90 23-0015	EA	18" Caliper, Tree Pruning (Crown Cleaning), By Hand	290.99	
		For >25, Deduct	*-29.10*	
32 01 90 23-0016	EA	18" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	513.74	
		For >25, Deduct	*-51.37*	
32 01 90 23-0017	EA	24" Caliper, Tree Pruning (Crown Cleaning), By Hand	354.21	
		For >25, Deduct	*-35.42*	
32 01 90 23-0018	EA	24" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	621.38	
		For >25, Deduct	*-62.14*	
32 01 90 23-0019	EA	30" Caliper, Tree Pruning (Crown Cleaning), By Hand	440.00	
		For >25, Deduct	*-44.00*	
32 01 90 23-0020	EA	30" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	783.13	
		For >25, Deduct	*-78.31*	
32 01 90 23-0021	EA	36" Caliper, Tree Pruning (Crown Cleaning), By Hand	602.66	
		For >25, Deduct	*-60.27*	
32 01 90 23-0022	EA	36" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	1,061.39	
		For >25, Deduct	*-106.14*	
32 01 90 23-0023	EA	48" Caliper, Tree Pruning (Crown Cleaning), By Hand	956.11	
		For >25, Deduct	*-95.61*	
32 01 90 23-0024	EA	48" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	1,706.89	
		For >25, Deduct	*-170.69*	

32 01 90 23-0025 Tree Pruning; Crown Thinning *(32 01 90 23-0001)*

Note: Crown thinning includes crown cleaning and the selective removal of branches to increase light penetration and air movement into the crown. Increased light and air stimulates and maintains interior foliage, which in turn improves branch taper and strength. Thinning reduces the wind-sail effect of the crown and the weight of the heavy limbs. Thinning the crown can emphasize the structural beauty of the trunk and branches as well as improve the growth of plants beneath the tree by increasing light penetration. When thinning the crown of mature trees, seldom should more than one-third of the live foliage be removed. At least one-half of the foliage should be on branches that arise in the lower two- thirds of the trees. Likewise, when thinning laterals from a limb, an effort should be made to retain inner lateral branches and leave the same distribution of foliage along the branch. Trees and branches so pruned will have stress more evenly distributed throughout the tree or along a branch.

32 01 90 23-0026	EA	1-1/2" Caliper, Tree Pruning (Crown Thinning), By Hand	43.65	
		For >25, Deduct	*-5.46*	
32 01 90 23-0027	EA	2" Caliper, Tree Pruning (Crown Thinning), By Hand	49.84	
		For >25, Deduct	*-6.23*	
32 01 90 23-0028	EA	2-1/2" Caliper, Tree Pruning (Crown Thinning), By Hand	56.05	
		For >25, Deduct	*-7.01*	
32 01 90 23-0029	EA	3" Caliper, Tree Pruning (Crown Thinning), By Hand	62.36	
		For >25, Deduct	*-7.80*	
32 01 90 23-0030	EA	4" Caliper, Tree Pruning (Crown Thinning), By Hand	94.71	
		For >25, Deduct	*-11.84*	
32 01 90 23-0031	EA	4" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	153.66	
		For >25, Deduct	*-19.21*	
32 01 90 23-0032	EA	6" Caliper, Tree Pruning (Crown Thinning), By Hand	165.72	
		For >25, Deduct	*-20.72*	
32 01 90 23-0033	EA	6" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	292.74	
		For >25, Deduct	*-36.59*	
32 01 90 23-0034	EA	9" Caliper, Tree Pruning (Crown Thinning), By Hand	265.41	
		For >25, Deduct	*-33.18*	
32 01 90 23-0035	EA	9" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	468.25	
		For >25, Deduct	*-58.53*	
32 01 90 23-0036	EA	12" Caliper, Tree Pruning (Crown Thinning), By Hand	306.62	
		For >25, Deduct	*-38.33*	
32 01 90 23-0037	EA	12" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	541.49	
		For >25, Deduct	*-67.69*	
32 01 90 23-0038	EA	18" Caliper, Tree Pruning (Crown Thinning), By Hand	356.46	
		For >25, Deduct	*-35.65*	
32 01 90 23-0039	EA	18" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	629.31	
		For >25, Deduct	*-62.93*	
32 01 90 23-0040	EA	24" Caliper, Tree Pruning (Crown Thinning), By Hand	433.87	
		For >25, Deduct	*-43.39*	
32 01 90 23-0041	EA	24" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	761.22	
		For >25, Deduct	*-76.12*	
32 01 90 23-0042	EA	30" Caliper, Tree Pruning (Crown Thinning), By Hand	538.96	
		For >25, Deduct	*-53.90*	
32 01 90 23-0043	EA	30" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	959.33	
		For >25, Deduct	*-95.93*	
32 01 90 23-0044	EA	36" Caliper, Tree Pruning (Crown Thinning), By Hand	738.25	
		For >25, Deduct	*-73.83*	
32 01 90 23-0045	EA	36" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	1,300.20	
		For >25, Deduct	*-130.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 90 23-0046	EA	48" Caliper, Tree Pruning (Crown Thinning), By Hand	1,171.21	
		For >25, Deduct	*-117.12*	
32 01 90 23-0047	EA	48" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	2,090.94	
		For >25, Deduct	*-209.09*	

32 01 90 23-0048 Tree Pruning; Crown Raising *(32 01 90 23-0001)*

Note: Crown raising removes the lower branches of a tree in order to provide clearance for buildings, vehicles, pedestrians, and vistas. It is important that a tree have at least one-half of its foliage on branches that originate in the lower two-thirds of its trunk to ensure a well-formed, tapered structure and to uniformly distribute stress within a tree. When pruning for view, it is preferable to develop "windows" through the foliage of the tree, rather than to severely raise or reduce the crown.

32 01 90 23-0049	EA	1-1/2" Caliper, Tree Pruning (Crown Raising), By Hand	48.12	
		For >25, Deduct	*-6.02*	
32 01 90 23-0050	EA	2" Caliper, Tree Pruning (Crown Raising), By Hand	54.94	
		For >25, Deduct	*-6.87*	
32 01 90 23-0051	EA	2-1/2" Caliper, Tree Pruning (Crown Raising), By Hand	61.85	
		For >25, Deduct	*-7.73*	
32 01 90 23-0052	EA	3" Caliper, Tree Pruning (Crown Raising), By Hand	68.67	
		For >25, Deduct	*-8.58*	
32 01 90 23-0053	EA	4" Caliper, Tree Pruning (Crown Raising), By Hand	104.37	
		For >25, Deduct	*-13.05*	
32 01 90 23-0054	EA	4" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	169.42	
		For >25, Deduct	*-21.18*	
32 01 90 23-0055	EA	6" Caliper, Tree Pruning (Crown Raising), By Hand	182.60	
		For >25, Deduct	*-22.83*	
32 01 90 23-0056	EA	6" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	322.61	
		For >25, Deduct	*-40.33*	
32 01 90 23-0057	EA	9" Caliper, Tree Pruning (Crown Raising), By Hand	292.47	
		For >25, Deduct	*-36.56*	
32 01 90 23-0058	EA	9" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	516.04	
		For >25, Deduct	*-64.51*	
32 01 90 23-0059	EA	12" Caliper, Tree Pruning (Crown Raising), By Hand	337.95	
		For >25, Deduct	*-42.24*	
32 01 90 23-0060	EA	12" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	596.82	
		For >25, Deduct	*-74.60*	
32 01 90 23-0061	EA	18" Caliper, Tree Pruning (Crown Raising), By Hand	392.88	
		For >25, Deduct	*-39.29*	
32 01 90 23-0062	EA	18" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	693.59	
		For >25, Deduct	*-69.36*	
32 01 90 23-0063	EA	24" Caliper, Tree Pruning (Crown Raising), By Hand	478.23	
		For >25, Deduct	*-47.82*	
32 01 90 23-0064	EA	24" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	838.89	
		For >25, Deduct	*-83.89*	
32 01 90 23-0065	EA	30" Caliper, Tree Pruning (Crown Raising), By Hand	594.00	
		For >25, Deduct	*-59.40*	
32 01 90 23-0066	EA	30" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	1,057.18	
		For >25, Deduct	*-105.72*	
32 01 90 23-0067	EA	36" Caliper, Tree Pruning (Crown Raising), By Hand	813.63	
		For >25, Deduct	*-81.36*	
32 01 90 23-0068	EA	36" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	1,432.83	
		For >25, Deduct	*-143.28*	
32 01 90 23-0069	EA	48" Caliper, Tree Pruning (Crown Raising), By Hand	1,290.74	
		For >25, Deduct	*-129.07*	
32 01 90 23-0070	EA	48" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	2,304.33	
		For >25, Deduct	*-230.43*	

32 01 90 23-0071 Tree Pruning; Crown Reduction *(32 01 90 23-0001)*

Note: Crown reduction is used to reduce the height and/or spread of a tree. Thinning cuts are most effective in maintaining the structural integrity and natural form of a tree and in delaying the time when it will need to be pruned again. The lateral to which a branch or trunk is cut should be at least one-half the diameter of the cut being made.

32 01 90 23-0072	EA	1-1/2" Caliper, Tree Pruning (Crown Reduction), By Hand	51.68	
		For >25, Deduct	*-6.46*	
32 01 90 23-0073	EA	2" Caliper, Tree Pruning (Crown Reduction), By Hand	59.00	
		For >25, Deduct	*-7.38*	
32 01 90 23-0074	EA	2-1/2" Caliper, Tree Pruning (Crown Reduction), By Hand	66.43	
		For >25, Deduct	*-8.30*	
32 01 90 23-0075	EA	3" Caliper, Tree Pruning (Crown Reduction), By Hand	73.76	
		For >25, Deduct	*-9.22*	
32 01 90 23-0076	EA	4" Caliper, Tree Pruning (Crown Reduction), By Hand	112.11	
		For >25, Deduct	*-14.01*	
32 01 90 23-0077	EA	4" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	181.97	
		For >25, Deduct	*-22.75*	
32 01 90 23-0078	EA	6" Caliper, Tree Pruning (Crown Reduction), By Hand	196.14	
		For >25, Deduct	*-24.52*	
32 01 90 23-0079	EA	6" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	346.50	
		For >25, Deduct	*-43.31*	
32 01 90 23-0080	EA	9" Caliper, Tree Pruning (Crown Reduction), By Hand	314.14	
		For >25, Deduct	*-39.27*	
32 01 90 23-0081	EA	9" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	554.28	
		For >25, Deduct	*-69.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 90 23-0082	EA	12" Caliper, Tree Pruning (Crown Reduction), By Hand	362.97	
		For >25, Deduct	*-45.37*	
32 01 90 23-0083	EA	12" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	641.02	
		For >25, Deduct	*-80.13*	
32 01 90 23-0084	EA	18" Caliper, Tree Pruning (Crown Reduction), By Hand	421.97	
		For >25, Deduct	*-42.20*	
32 01 90 23-0085	EA	18" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	744.97	
		For >25, Deduct	*-74.50*	
32 01 90 23-0086	EA	24" Caliper, Tree Pruning (Crown Reduction), By Hand	513.63	
		For >25, Deduct	*-51.36*	
32 01 90 23-0087	EA	24" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	901.02	
		For >25, Deduct	*-90.10*	
32 01 90 23-0088	EA	30" Caliper, Tree Pruning (Crown Reduction), By Hand	638.05	
		For >25, Deduct	*-63.81*	
32 01 90 23-0089	EA	30" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	1,135.56	
		For >25, Deduct	*-113.56*	
32 01 90 23-0090	EA	36" Caliper, Tree Pruning (Crown Reduction), By Hand	873.85	
		For >25, Deduct	*-87.39*	
32 01 90 23-0091	EA	36" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	1,539.06	
		For >25, Deduct	*-153.91*	
32 01 90 23-0092	EA	48" Caliper, Tree Pruning (Crown Reduction), By Hand	1,386.36	
		For >25, Deduct	*-138.64*	
32 01 90 23-0093	EA	48" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	2,474.96	
		For >25, Deduct	*-247.50*	

32 01 90 23-0094 Tree Pruning; Crown Restoration *(32 01 90 23-0001)*

Note: Crown restoration can improve the structure and appearance of trees that have been topped or severely pruned using heading cuts. One to three sprouts on main branch stubs should be selected to reform a more natural appearing crown. Selected vigorous sprouts may need to be thinned to a lateral, or even headed, to control length growth in order to ensure adequate attachment for the size of the sprout. Restoration may require several pruning's over a number of years.

32 01 90 23-0095	EA	1-1/2" Caliper, Tree Pruning (Crown Restoration), By Hand	59.31	
		For >25, Deduct	*-7.41*	
32 01 90 23-0096	EA	2" Caliper, Tree Pruning (Crown Restoration), By Hand	67.86	
		For >25, Deduct	*-8.48*	
32 01 90 23-0097	EA	2-1/2" Caliper, Tree Pruning (Crown Restoration), By Hand	76.30	
		For >25, Deduct	*-9.54*	
32 01 90 23-0098	EA	3" Caliper, Tree Pruning (Crown Restoration), By Hand	84.74	
		For >25, Deduct	*-10.59*	
32 01 90 23-0099	EA	4" Caliper, Tree Pruning (Crown Restoration), By Hand	128.79	
		For >25, Deduct	*-16.10*	
32 01 90 23-0100	EA	4" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	209.09	
		For >25, Deduct	*-26.14*	
32 01 90 23-0101	EA	6" Caliper, Tree Pruning (Crown Restoration), By Hand	225.43	
		For >25, Deduct	*-28.18*	
32 01 90 23-0102	EA	6" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	398.23	
		For >25, Deduct	*-49.78*	
32 01 90 23-0103	EA	9" Caliper, Tree Pruning (Crown Restoration), By Hand	361.04	
		For >25, Deduct	*-45.13*	
32 01 90 23-0104	EA	9" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	637.08	
		For >25, Deduct	*-79.64*	
32 01 90 23-0105	EA	12" Caliper, Tree Pruning (Crown Restoration), By Hand	417.19	
		For >25, Deduct	*-52.15*	
32 01 90 23-0106	EA	12" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	736.73	
		For >25, Deduct	*-92.09*	
32 01 90 23-0107	EA	18" Caliper, Tree Pruning (Crown Restoration), By Hand	484.95	
		For >25, Deduct	*-48.50*	
32 01 90 23-0108	EA	18" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	856.21	
		For >25, Deduct	*-85.62*	
32 01 90 23-0109	EA	24" Caliper, Tree Pruning (Crown Restoration), By Hand	590.33	
		For >25, Deduct	*-59.03*	
32 01 90 23-0110	EA	24" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	1,035.67	
		For >25, Deduct	*-103.57*	
32 01 90 23-0111	EA	30" Caliper, Tree Pruning (Crown Restoration), By Hand	733.37	
		For >25, Deduct	*-73.34*	
32 01 90 23-0112	EA	30" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	1,305.23	
		For >25, Deduct	*-130.52*	
32 01 90 23-0113	EA	36" Caliper, Tree Pruning (Crown Restoration), By Hand	1,004.47	
		For >25, Deduct	*-100.45*	
32 01 90 23-0114	EA	36" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	1,769.06	
		For >25, Deduct	*-176.91*	
32 01 90 23-0115	EA	48" Caliper, Tree Pruning (Crown Restoration), By Hand	1,593.49	
		For >25, Deduct	*-159.35*	
32 01 90 23-0116	EA	48" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	2,844.87	
		For >25, Deduct	*-284.49*	

32 01 90 23-0117 Palm Tree Pruning *(32 01 90 23)*

32 01 90 23-0118	EA	Trim Mexican Palm Tree	107.85	
		For >25, Deduct	*-13.48*	
32 01 90 23-0119	EA	Trim Date Palm Tree	243.37	
		For >25, Deduct	*-30.42*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 90 23-0120	LF	Skin Palm Tree	27.65	
		For >25, Deduct	*-3.46*	
32 01 90 23-0121	EA	Trim And Skin Palm Tree, Up To 30' Height	101.56	
		For >25, Deduct	*-12.70*	
32 01 90 23-0122	EA	Trim And Skin Palm Tree, >30' To 60' Height	125.46	
		For >25, Deduct	*-15.68*	
32 01 90 23-0123	EA	Trim And Skin Palm Tree, >60' To 80' Height	140.39	
		For >25, Deduct	*-17.55*	

32 01 90 23-0124 Shrub Pruning *(32 01 90 23)*

32 01 90 23-0125	MSF	Shrub Pruning, Prune, Shrub Bed	115.92	
32 01 90 23-0126	EA	Shrub Pruning, Prune, Shrub Under 3' Height	4.07	
32 01 90 23-0127	EA	Shrub Pruning, Prune, Shrub 4' Height	9.16	
32 01 90 23-0128	EA	Shrub Pruning, Prune, Shrub Over 6'	16.28	
32 01 90 23-0129	EA	Shrub Pruning, Prune Trees From Ground	40.69	
32 01 90 23-0130	EA	Shrub Pruning, Prune Trees From Ground, High Work	101.73	

32 01 90 23-0131 Root Pruning *(32 01 90 23)*

Note: Cut roots cleanly after excavation with clean, sharp tools, to promote callus formation and wound closure. Wounds to be dressed with a tree rooting hormone compound. Mix soil improvements (e.g., peat moss) with fill soil to promote new root growth. Backfill the excavation and water the soil around the roots to avoid leaving air pockets.

32 01 90 23-0132	EA	Root Pruning, One Side Of Up To 1-1/2" Caliper Tree	20.35	
32 01 90 23-0133	EA	Root Pruning, One Side Of 2" Caliper Tree	25.43	
32 01 90 23-0134	EA	Root Pruning, One Side Of 2-1/2" Caliper Tree	30.52	
32 01 90 23-0135	EA	Root Pruning, One Side Of 3" Caliper Tree	40.69	
32 01 90 23-0136	EA	Root Pruning, One Side Of 4" Caliper Tree	61.04	
32 01 90 23-0137	EA	Root Pruning, One Side Of >4" To 6" Caliper Tree	76.30	
32 01 90 23-0138	EA	Root Pruning, One Side Of >6" To 9" Caliper Tree	106.82	
32 01 90 23-0139	EA	Root Pruning, One Side Of >9" To 12" Caliper Tree	122.07	
32 01 90 23-0140	EA	Root Pruning, One Side Of >12" To 18" Caliper Tree	142.42	
32 01 90 23-0141	EA	Root Pruning, One Side Of >18' To 24" Caliper Tree	178.02	
32 01 90 23-0142	EA	Root Pruning, One Side Of >24" To 30" Caliper Tree	218.72	
32 01 90 23-0143	EA	Root Pruning, One Side Of >30" To 36" Caliper Tree	254.32	
32 01 90 23-0144	EA	Root Pruning, One Side Of >36" To 42" Caliper Tree	279.75	
32 01 90 23-0145	EA	Root Pruning, One Side Of >42" To 48" Caliper Tree	305.19	

32 01 90 23-0146 Root Removal *(32 01 90 23)*

32 01 90 23-0147	EA	Hand Trim Roots From Work Area, Per Tree	116.45	

32 01 90 26 Watering *(32 01 90)*

Note: Includes delivered water. Not to be used as basis if watering with irrigation system or on-site owner provided water from hose or hydrant.

32 01 90 26-0001 Watering Lawns, Plants And Trees *(32 01 90 26)*

Note: Includes delivered water and watering truck. Not to be used as basis if watering with irrigation system or on-site owner provided water from hose or hydrant. These tasks are to be used as requested by the owner for additional watering beyond inital watering at installation for extended watering period of lawns, plants and trees.

32 01 90 26-0002	MSF	Watering Sod/Grass, Per Inch Of Water	48.39	
32 01 90 26-0003	CSF	Watering Groundcover	7.44	
32 01 90 26-0004	CSF	Watering Annuals And Perennials	13.15	
32 01 90 26-0005	EA	Watering Trees, 1-1/2" To 5" Diameter By Hand	25.32	
32 01 90 26-0006	EA	Watering Trees, 6" To 12" Diameter By Hand	33.28	
32 01 90 26-0007	EA	Watering Trees, 13" To 18" Diameter By Hand	41.24	
32 01 90 26-0008	EA	Watering Trees, >18" Diameter By Hand	50.77	
32 01 90 26-0009	EA	Watering Shrub Or Bush By Hand	12.73	

32 01 90 36 Weed and Brush Control *(32 01 90)*

32 01 90 36-0001 Herbicide, Push Or Hand Spreader Applied *(32 01 90 36)*

32 01 90 36-0002	MSF	Non-Selective Post Emergent Weed Herbicide (70.4 oz/acre or 1.62 oz/MSF)	9.33	
		For >45 To 90, Deduct	*-0.51*	
		For >90 To 225, Deduct	*-1.44*	
		For >225 To 870, Deduct	*-2.37*	
		For >870, Deduct	*-2.88*	
32 01 90 36-0003	MSF	Non-Selective Post Emergent Woody Brush And Tree Herbicide (128 oz/acre or 2.94 oz/MSF)	10.01	
		For >45 To 90, Deduct	*-0.58*	
		For >90 To 225, Deduct	*-1.58*	
		For >225 To 870, Deduct	*-2.58*	
		For >870, Deduct	*-3.16*	
32 01 90 36-0004	MSF	Selective Weed Herbicide (56 oz/Acre or 1.28 oz/MSF)	9.97	
		Note: Includes pre and post emergent.		
		For >45 To 90, Deduct	*-0.57*	
		For >90 To 225, Deduct	*-1.57*	
		For >225 To 870, Deduct	*-2.57*	
		For >870, Deduct	*-3.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 90 36-0005	MSF	Selective Woody Brush And Tree Herbicide (72 oz/acre or 1.65 oz/MSF) Note: Includes pre and post emergent.	10.39	
		For >45 To 90, Deduct	*-0.61*	
		For >90 To 225, Deduct	*-1.65*	
		For >225 To 870, Deduct	*-2.69*	
		For >870, Deduct	*-3.31*	

32 01 90 39 Pesticides *(32 01 90)*

32 01 90 39-0001	MSF	Pesticide - Surface Eating	12.80	
32 01 90 39-0002	MSF	Pesticide - Subsurface Eating	12.84	
32 01 90 39-0003	MSF	Pesticide - Fungicide Application	13.77	

32 01 90 43 Weed and Cultivate Beds *(32 01 90)*

32 01 90 43-0001	MSF	Weed Mulched Bed	49.80	
32 01 90 43-0002	MSF	Weed Unmulched Bed	142.28	
32 01 90 43-0003	MSF	Cultivate Bed	76.61	

32 01 90 46 Hedge Trimming *(32 01 90)*

32 01 90 46-0001	LF	Trim 0-5' High Hedge, 0-3' Wide	6.56	
32 01 90 46-0002	LF	Trim 0-5' High Hedge, 4-6' Wide	9.84	
32 01 90 46-0003	LF	Trim 5-10' High Hedge, 0-3' Wide	14.91	
32 01 90 46-0004	LF	Trim 5-10' High Hedge, 4-6' Wide	15.18	

32 01 90 53 Plant Growth Regulator Application *(32 01 90)*

32 01 90 53-0001	EA	Plant Growth Regulator Application	7.05	

32 05 Common Work Results for Exterior Improvements *(32)*

32 05 23 Cement and Concrete for Exterior Improvements *(32 05)*

32 05 23 00-0001 Common Public Works Assemblies *(32 05 23)*
Note: Assembly task as per GreenBook Specifications

32 05 23 00-0002	SF	PCC Sidewalk Note: Assembly task as per GreenBook Specifications.	7.00	
32 05 23 00-0003	LF	Curb And Gutter Note: Assembly task as per GreenBook Specifications.	34.00	
32 05 23 00-0004	UNT	Surface Preperation And Crack Seal (Based on 3% of total cost of asphalt) Note: Assembly task as per GreenBook Specifications. County Representative to decide value.	1,000.00	
32 05 23 00-0005	TON	>200 Ton Base Repair Note: Assembly task as per GreenBook Specifications.	175.00	
32 05 23 00-0006	TON	<200 Ton Base Repair Note: Assembly task as per GreenBook Specifications.	150.00	
32 05 23 00-0007	SF	Grinding Note: Assembly task as per GreenBook Specifications.	0.40	
32 05 23 00-0008	SF	AC Taper with Key Note: Assembly task as per GreenBook Specifications.	0.62	
32 05 23 00-0009	TON	Miscellaneous Paving Note: Assembly task as per GreenBook Specifications.	112.00	
32 05 23 00-0010	MI	Shoulder Backing Note: Assembly task as per GreenBook Specifications.	15,940.00	
32 05 23 00-0011	UNT	Traffic Control And Signage Note: Assembly task as per GreenBook Specifications.	1,000.00	
32 05 23 00-0012	EA	Tree Removal Less Than 100" Girth Note: Assembly task as per GreenBook Specifications.	2,000.00	
32 05 23 00-0013	EA	Tree Removal Over Than 100" Girth Note: Assembly task as per GreenBook Specifications.	4,000.00	
32 05 23 00-0014	EA	Asphalt Index Adjustment Note: Assembly task as per GreenBook Specifications.	1.00	

32 05 33 Common Work Results for Planting *(32 05)*

32 05 33 00-0001 Green Wall *(32 05 33)*

32 05 33 00-0002	LF	8' High Green Wall System With Stainless Steel Trim On Three Edges With One Year Maintenance And Warranty Note: Includes biotile modules, drainage mat, PVC battens, sheathing, frame, waterproofing, SS trim, and direct irrigation control system.	1,882.26	117.92
32 05 33 00-0003	EA	Plants And Installation for Green Wall System	13.70	

32 05 33 00-0004 Trellis *(32 05 33)*

32 05 33 00-0005 Ground Trellis *(32 05 33 00-0004)*

32 05 33 00-0006	EA	12" Diameter Auger Post Hole For Trellis Post	71.80	
32 05 33 00-0007	EA	12" Diameter Concrete Fill For Trellis Post	87.17	
32 05 33 00-0008	EA	3" x 3" x 9' High, 11 Gauge, Brush Steel Finish Stainless Steel Post With Welded Steel Cap Note: Excludes augering hole and concrete backfill. See CSI section 32 31 13 13-0009 for auger hole for trellis post, 32 31 13 13-0026 for concrete fill for trellis post.	729.14	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 05 33 00-0009	EA	Custom Fabricate 6' High x 27.33' Wide Trellis With #5 Stainless Steel A945 Rebar Horiziontal Rails and Verticals Note: Includes tack welding in place to posts and rebar, random design pattern horizontal rebar rails 8" to 9" apart and vertical rails spaced 12" to 15" apart per layout.	30,026.42	

32 05 33 00-0010 Planter Trellis *(32 05 33 00-0004)*

32 05 33 00-0011	EA	2" x 2" x 4'-8", 11 Gauge, Brush Steel Finish Stainless Steel Post With Welded Steel Cap And Trellis Supports	256.32	
32 05 33 00-0012	EA	Custom Fabricate 3' High x 4' Wide Trellis With #4 Stainless Steel A945 Rebar Horiziontal Rails and Verticals Note: Includes tack welding in place to posts and rebar, random design pattern horizontal rebar rails 5" to 6" apart and vertical rails spaced 7" to 9" apart per layout.	4,069.40	

32 05 33 00-0013 Decorative Landscape Boulders *(32 05 33)*

Note: Includes delivery of materials and placement.

32 05 33 00-0014	EA	2' x 3' x 2' Oval Shape Boulders (Approx. 1,000 Lb. Each)	352.86	
32 05 33 00-0015	EA	3' x 3' x 2' Oval Shape Boulders (Approx. 1,500 Lb. Each)	529.30	
32 05 33 00-0016	EA	3' x 4' x 3' Oval Shape Boulders (Approx. 3,000 Lb. Each)	1,058.58	
32 05 33 00-0017	TON	Landscape Boulders	705.72	

32 10 Bases, Ballasts, and Paving *(32)*

32 11 Base Courses *(32 10)*

32 11 16 Subbase Courses *(32 11)*

32 11 16 16 Aggregate Subbase Courses *(32 11 16)*

32 11 16 16-0001 Base And Subbase Courses For Roadways And Parking Areas *(32 11 16 16)*

Note: Includes 3/4" To 1-1/2" aggregate material, hauling up to 15 miles, dumping, spreading, grading, compacting and watering. See CSI section 01 74 19 00-0041 for hauling greater than 15 miles.

32 11 16 16-0002 Base And Subbase Courses By The CY *(32 11 16 16-0001)*

32 11 16 16-0003	CY	Class II Graded Crushed Aggregate Roadway Base Course	105.29	
32 11 16 16-0004	CY	Class III Graded Crushed Aggregate Roadway Base Course	101.14	

32 11 16 16-0005 Class II Base Courses By The SY *(32 11 16 16-0001)*

32 11 16 16-0006	SY	2" Class II Graded Crushed Aggregate Base Course	5.76	
		For Up To 500, Add		*1.48*
		For >500 To 1,000, Add		*0.58*
		For >5,000 To 10,000, Deduct		*-0.22*
		For >10,000, Deduct		*-0.37*
32 11 16 16-0007	SY	4" Class II Crushed Aggregate Base Course	11.52	
		For Up To 500, Add		*2.95*
		For >500 To 1,000, Add		*1.15*
		For >5,000 To 10,000, Deduct		*-0.44*
		For >10,000, Deduct		*-0.75*
32 11 16 16-0008	SY	6" Class II Crushed Aggregate Base Course	17.27	
		For Up To 500, Add		*4.42*
		For >500 To 1,000, Add		*1.73*
		For >5,000 To 10,000, Deduct		*-0.66*
		For >10,000, Deduct		*-1.12*
32 11 16 16-0009	SY	9" Class II Crushed Aggregate Base Course	25.92	
		For Up To 500, Add		*6.64*
		For >500 To 1,000, Add		*2.59*
		For >5,000 To 10,000, Deduct		*-0.98*
		For >10,000, Deduct		*-1.68*
32 11 16 16-0010	SY	12" Class II Crushed Aggregate Base Course	34.56	
		For Up To 500, Add		*8.85*
		For >500 To 1,000, Add		*3.46*
		For >5,000 To 10,000, Deduct		*-1.31*
		For >10,000, Deduct		*-2.25*

32 11 23 Aggregate Base Courses *(32 11)*

32 11 23 16 Aggregate Base Courses *(32 11 23)*

32 11 23 16-0001 Base Courses For Sidewalk (Asphalt Or Concrete) *(32 11 23 16)*

Note: Includes material, hauling up to 15 miles, placement, spreading, grading, and compaction. See CSI section 01 74 19 00-0041 for hauling greater than 15 miles.

32 11 23 16-0002	SF	2" Crushed Aggregate Base Course For Sidewalks	0.70	
		For Up To 1,000, Add		*0.19*
		For >1,000 To 2,500, Add		*0.07*
32 11 23 16-0003	SF	3" Crushed Aggregate Base Course For Sidewalks	1.00	
		For Up To 1,000, Add		*0.28*
		For >1,000 To 2,500, Add		*0.10*
32 11 23 16-0004	SF	4" Crushed Aggregate Base Course For Sidewalks	1.30	
		For Up To 1,000, Add		*0.36*
		For >1,000 To 2,500, Add		*0.13*
32 11 23 16-0005	SF	5" Crushed Aggregate Base Course For Sidewalks	1.69	
		For Up To 1,000, Add		*0.47*
		For >1,000 To 2,500, Add		*0.17*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 11 23 16-0006	SF	6" Crushed Aggregate Base Course For Sidewalks	2.07	
		For Up To 1,000, Add	*0.57*	
		For >1,000 To 2,500, Add	*0.21*	
32 11 23 16-0007	SF	7" Crushed Aggregate Base Course For Sidewalks	2.39	
		For Up To 1,000, Add	*0.66*	
		For >1,000 To 2,500, Add	*0.24*	
32 11 23 16-0008	SF	8" Crushed Aggregate Base Course For Sidewalks	2.70	
		For Up To 1,000, Add	*0.75*	
		For >1,000 To 2,500, Add	*0.27*	

32 11 26 Asphaltic Base Courses *(32 11)*

32 11 26 19 Bituminous-Stabilized Base Courses *(32 11 26)*

32 11 26 19-0001 Bituminous-Stabilized Base Courses *(32 11 26 19)*

32 11 26 19-0002	CY	Bituminous Stabilized Base Course Note: 3/4" ASTM C33.	116.84

32 12 Flexible Paving *(32 10)*

32 12 13 Preparatory Coats *(32 12)*

32 12 13 13 Tack Coats *(32 12 13)*

32 12 13 13-0001	SY	Tack Coat, 0.04 Gallon/SY	0.64
		For Up To 150, Add	*0.12*
		For >150 To 300, Add	*0.06*
		For >300 To 500, Add	*0.03*
		For >3,500 To 5,000, Deduct	*-0.02*
		For >5,000, Deduct	*-0.04*
32 12 13 13-0002	SY	Tack Coat, 0.05 Gallon/SY	0.71
		For Up To 150, Add	*0.14*
		For >150 To 300, Add	*0.07*
		For >300 To 500, Add	*0.04*
		For >3,500 To 5,000, Deduct	*-0.02*
		For >5,000, Deduct	*-0.04*
32 12 13 13-0003	SY	Tack Coat, 0.07 Gallon/SY	0.84
		For Up To 150, Add	*0.17*
		For >150 To 300, Add	*0.08*
		For >300 To 500, Add	*0.04*
		For >3,500 To 5,000, Deduct	*-0.02*
		For >5,000, Deduct	*-0.05*
32 12 13 13-0004	SY	Tack Coat, 0.08 Gallon/SY	0.91
		For Up To 150, Add	*0.19*
		For >150 To 300, Add	*0.09*
		For >300 To 500, Add	*0.05*
		For >3,500 To 5,000, Deduct	*-0.02*
		For >5,000, Deduct	*-0.06*
32 12 13 13-0005	SY	Tack Coat, 0.10 Gallon/SY	1.05
		For Up To 150, Add	*0.23*
		For >150 To 300, Add	*0.11*
		For >300 To 500, Add	*0.05*
		For >3,500 To 5,000, Deduct	*-0.03*
		For >5,000, Deduct	*-0.07*
32 12 13 13-0006	SY	Tack Coat, 0.11 Gallon/SY	1.11
		For Up To 150, Add	*0.24*
		For >150 To 300, Add	*0.11*
		For >300 To 500, Add	*0.06*
		For >3,500 To 5,000, Deduct	*-0.03*
		For >5,000, Deduct	*-0.07*

32 12 13 19 Prime Coats *(32 12 13)*

32 12 13 19-0001	SY	Surface Prime Coat, 0.26 Gallon/SY	1.89
		For Up To 150, Add	*0.43*
		For >150 To 300, Add	*0.19*
		For >300 To 500, Add	*0.09*
		For >3,500 To 5,000, Deduct	*-0.05*
		For >5,000, Deduct	*-0.13*
32 12 13 19-0002	SY	Surface Prime Coat, 0.28 Gallon/SY	2.00
		For Up To 150, Add	*0.45*
		For >150 To 300, Add	*0.20*
		For >300 To 500, Add	*0.10*
		For >3,500 To 5,000, Deduct	*-0.05*
		For >5,000, Deduct	*-0.14*
32 12 13 19-0003	SY	Surface Prime Coat, 0.30 Gallon/SY	2.10
		For Up To 150, Add	*0.48*
		For >150 To 300, Add	*0.21*
		For >300 To 500, Add	*0.11*
		For >3,500 To 5,000, Deduct	*-0.05*
		For >5,000, Deduct	*-0.15*

32 12 16 Asphalt Paving *(32 12)*

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 12 16 13 Plant-Mix Asphalt Paving *(32 12 16)*

Note: Includes delivery up to 15 miles, placement, rolling, finishing and sweeping. Excludes base, tack or price coat, seal coats and roadway fabrics (where required). See CSI section 01 74 19 00-0041 for hauling greater than 15 miles, 32 11 00 00-0000 for base courses, 32 12 13 13-0000 for tack coats, 32 12 13 19-0000 for prime coats, 32 12 16 39-0000 for roadway fabrics, 32 12 36 00-0000 for seal coats.

32 12 16 13-0001 Asphalt Courses *(32 12 16 13)*

Note: Types PG64-10, PG70-10, PG64-28, PG64-16 as per the "Green Book" specification 2012

32 12 16 13-0002	TON	Bituminous Hot Mix Course Note: Includes types PG64-10, PG70-10, PG64-28, PG64-16 as per the "Green Book" specification, placement, rolling, finishing and sweeping. Used for applications not described elsewhere in this section.		181.00	
		For Warm Mix Additive, Add		*6.50*	

32 12 16 13-0003 Surface Wearing Courses, Hot Mix Asphalt (HMA) *(32 12 16 13)*

Note: SX (1/2") aggregate gradation

32 12 16 13-0004	TON	Asphalt Rubberized Hot Mix (ARHM) Surface Course Note: Includes 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping.		196.08	
		For Warm Mix Additive, Add		*6.50*	
32 12 16 13-0005	CSF	Type F Asphalt Surface Cap 1/8" To 1/4" Thick For Use Only On Top Concrete Filled Trench		99.16	

32 12 16 13-0006 Hand Placed, Hot Mix Asphalt (HMA) *(32 12 16 13)*

32 12 16 13-0007	TON	Hand Placed Hot Mixed Asphalt 3,954 Lb./CY Note: For small areas not reachable by machine. Includes placement, rolling, finishing and sweeping.		409.69	

32 12 16 19 Cold-Mix Asphalt Paving *(32 12 16)*

Note: 0.5 Gal asphalt/SY per inch depth; well graded granular aggregate.

32 12 16 19-0001 Cold Mix Asphalt (CMA) Pavement *(32 12 16 19)*

Note: 0.5 Gal asphalt/SY per inch depth; well-graded granular aggregate.

32 12 16 19-0002	SY	Cold Laid Asphalt Pavement, Traveling Plant Mixed In Windrows, Compacted 4" Course		14.58	
32 12 16 19-0003	SY	Cold Laid Asphalt Pavement, Rotary Plant Mixed In Place, Compacted 4" Course		14.17	
32 12 16 19-0004	SY	Cold Laid Asphalt Pavement, Central Stationary Plant, Mixed, Compacted 4" Course		22.69	

32 12 16 39 Paving Fabrics *(32 12 16)*

See CSI section 31 32 19 16-0000 for geotextile fabric.

32 12 16 39-0001 Geotextile Paving Fabrics *(32 12 16 39)*

32 12 16 39-0002	SY	3.6 Ounce/SY, 90 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Paving Fabric (Carthage Mills FX-38A/O)		1.97	
		For Up To 50, Add		*0.44*	
		For >50 To 150, Add		*0.33*	
		For >150 To 250, Add		*0.21*	
		For >250 To 500, Add		*0.11*	
32 12 16 39-0003	SY	4.1 Ounce/SY, 101 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Paving Fabric (Carthage Mills FX-42 A/O)		2.12	
		For Up To 50, Add		*0.47*	
		For >50 To 150, Add		*0.35*	
		For >150 To 250, Add		*0.23*	
		For >250 To 500, Add		*0.11*	

32 12 16 43 Waterproofing Membranes *(32 12 16)*

32 12 16 43-0001 Waterproofing Membranes *(32 12 16 43)*

32 12 16 43-0002	SY	Up To 500 SY, Preformed Rubberized Asphalt Membrane		38.91	
32 12 16 43-0003	SY	>500 To 1,000 SY, Preformed Rubberized Asphalt Membrane		29.12	
32 12 16 43-0004	SY	>1,000 SY, Preformed Rubberized Asphalt Membrane		18.03	

32 12 33 Flexible Paving Surface Treatments *(32 12)*

32 12 33 00-0001 Bituminous Surface Treatment For Roadways *(32 12 33)*

Note: 0.25 Gal bitumen per SY and 30 lb of gravel/SY.

32 12 33 00-0002	SY	Single Course Bituminous Treatment, Prepare And Clean Surface Roadway		3.40	
32 12 33 00-0003	SY	Double Course Bituminous Treatment, Prepare And Clean Surface Roadway		6.10	

32 12 33 00-0004 Bituminous Surface Treatment For Trails *(32 12 33)*

Note: 0.25 Gal bitumen per SY and 20 lb of gravel/SY.

32 12 33 00-0005	SY	Bituminous Surface Treatment, For Trails		2.33	

32 12 36 Seal Coats *(32 12)*

See CSI section 32 01 13 62-0000 for slurry seal.

32 12 36 13 Asphaltic Seal and Fog Coats *(32 12 36)*

32 12 36 13-0001 Asphalt Emulsion Seal Coat (Chip Seal) *(32 12 36 13)*

Note: Includes initial sweeping prior to placement, cleaning of area, rolling and final sweeping. Excludes crack repair, fog sealer, and any additional consecutive days sweeping following final sweeping.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 12 36 13-0002 Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) *(32 12 36 13-0001)*

Note: 12 to 20 Pounds Per SY of 1/4" No. 10 with 0.15 to 0.30 gallons asphalt emulsion per SY.

32 12 36 13-0003	SY	Up To 200 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.29	
		For Each Additional 0.5% Latex Additive, Add	*0.60*	
32 12 36 13-0004	SY	>200 To 500 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.79	
		For Each Additional 0.5% Latex Additive, Add	*0.60*	
32 12 36 13-0005	SY	>500 To 1,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.57	
		For Each Additional 0.5% Latex Additive, Add	*0.60*	
32 12 36 13-0006	SY	>1,000 To 5,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.32	
		For Each Additional 0.5% Latex Additive, Add	*0.60*	
32 12 36 13-0007	SY	>5,000 To 10,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.19	
		For Each Additional 0.5% Latex Additive, Add	*0.60*	
32 12 36 13-0008	SY	>10,000 To 20,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.08	
		For Each Additional 0.5% Latex Additive, Add	*0.60*	
32 12 36 13-0009	SY	>20,000 To 50,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	3.94	
		For Each Additional 0.5% Latex Additive, Add	*0.60*	
32 12 36 13-0010	SY	>50,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	3.87	
		For Each Additional 0.5% Latex Additive, Add	*0.60*	

32 12 36 13-0011 Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) *(32 12 36 13-0001)*

Note: 16 to 25 Pounds Per SY of 5/16" No. 8 with 0.25 to 0.35 gallons asphalt emulsion per SY.

32 12 36 13-0012	SY	Up To 200 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	6.16	
		For Each Additional 0.5% Latex Additive, Add	*0.74*	
32 12 36 13-0013	SY	>200 To 500 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.59	
		For Each Additional 0.5% Latex Additive, Add	*0.74*	
32 12 36 13-0014	SY	>500 To 1,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.32	
		For Each Additional 0.5% Latex Additive, Add	*0.74*	
32 12 36 13-0015	SY	>1,000 To 5,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.17	
		For Each Additional 0.5% Latex Additive, Add	*0.74*	
32 12 36 13-0016	SY	>5,000 To 10,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.86	
		For Each Additional 0.5% Latex Additive, Add	*0.74*	
32 12 36 13-0017	SY	>10,000 To 20,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.67	
		For Each Additional 0.5% Latex Additive, Add	*0.74*	
32 12 36 13-0018	SY	>20,000 To 50,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.52	
		For Each Additional 0.5% Latex Additive, Add	*0.74*	
32 12 36 13-0019	SY	>50,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.43	
		For Each Additional 0.5% Latex Additive, Add	*0.74*	

32 12 36 13-0020 Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)

(32 12 36 13-0001)

Note: 20 to 30 Pounds Per SY of 3/8" No. 6 with 0.25 to 0.40 gallons asphalt emulsion per SY.

32 12 36 13-0021	SY	Up To 200 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	6.93	
		For Each Additional 0.5% Latex Additive, Add	*0.89*	
32 12 36 13-0022	SY	>200 To 500 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	6.30	
		For Each Additional 0.5% Latex Additive, Add	*0.89*	
32 12 36 13-0023	SY	>500 To 1,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.99	
		For Each Additional 0.5% Latex Additive, Add	*0.89*	
32 12 36 13-0024	SY	>1,000 To 5,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.62	
		For Each Additional 0.5% Latex Additive, Add	*0.89*	
32 12 36 13-0025	SY	>5,000 To 10,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.43	
		For Each Additional 0.5% Latex Additive, Add	*0.89*	
32 12 36 13-0026	SY	>10,000 To 20,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.17	
		For Each Additional 0.5% Latex Additive, Add	*0.89*	
32 12 36 13-0027	SY	>20,000 To 50,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.98	
		For Each Additional 0.5% Latex Additive, Add	*0.89*	
32 12 36 13-0028	SY	>50,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.89	
		For Each Additional 0.5% Latex Additive, Add	*0.89*	

32 12 36 13-0029 Course Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)

(32 12 36 13-0001)

Note: 23 to 35 Pounds Per SY of 1/2" No. 4 with 0.30 to 0.40 gallons asphalt emulsion per SY.

32 12 36 13-0030	SY	Up To 200 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	7.01	
		For Each Additional 0.5% Latex Additive, Add	*1.02*	
32 12 36 13-0031	SY	>200 To 500 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	6.37	
		For Each Additional 0.5% Latex Additive, Add	*1.02*	
32 12 36 13-0032	SY	>500 To 1,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	6.06	
		For Each Additional 0.5% Latex Additive, Add	*1.02*	
32 12 36 13-0033	SY	>1,000 To 5,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.71	
		For Each Additional 0.5% Latex Additive, Add	*1.02*	
32 12 36 13-0034	SY	>5,000 To 10,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.51	
		For Each Additional 0.5% Latex Additive, Add	*1.02*	
32 12 36 13-0035	SY	>10,000 To 20,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.34	
		For Each Additional 0.5% Latex Additive, Add	*1.02*	
32 12 36 13-0036	SY	>20,000 To 50,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.07	
		For Each Additional 0.5% Latex Additive, Add	*1.02*	
32 12 36 13-0037	SY	>50,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.97	
		For Each Additional 0.5% Latex Additive, Add	*1.02*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 36 13-0038		**Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)** *(32 12 36 13-0001)* Note: First coat 23 to 30 Pounds Per SY of 1/2" No. 4 with 0.20 to 0.35 gallons asphalt emulsion per SY, Second coat 12 to 20 Pounds Per SY of 1/4" No. 10 with 0.20 to 0.30 gallons asphalt emulsion per SY.		
32 12 36 13-0039	SY	Up To 200 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	10.59	
		For Each Additional 0.5% Latex Additive, Add	*1.47*	
32 12 36 13-0040	SY	>200 To 500 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	9.76	
		For Each Additional 0.5% Latex Additive, Add	*1.47*	
32 12 36 13-0041	SY	>500 To 1,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	9.31	
		For Each Additional 0.5% Latex Additive, Add	*1.47*	
32 12 36 13-0042	SY	>1,000 To 5,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	8.78	
		For Each Additional 0.5% Latex Additive, Add	*1.47*	
32 12 36 13-0043	SY	>5,000 To 10,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	8.49	
		For Each Additional 0.5% Latex Additive, Add	*1.47*	
32 12 36 13-0044	SY	>10,000 To 20,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	8.15	
		For Each Additional 0.5% Latex Additive, Add	*1.47*	
32 12 36 13-0045	SY	>20,000 To 50,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	7.88	
		For Each Additional 0.5% Latex Additive, Add	*1.47*	
32 12 36 13-0046	SY	>50,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	7.74	
		For Each Additional 0.5% Latex Additive, Add	*1.47*	
32 12 36 13-0047		**Asphalt Emulsion Seal Coat (Scrub Seal)** *(32 12 36 13)* Note: Includes initial sweeping prior to placement, cleaning of area, towed broom sled of scrub brush and final sweeping. Excludes crack repair, fog sealer, and any additional consecutive days sweeping following final sweeping. See CSI section 32 12 36 13-0084 for fog seal.		
32 12 36 13-0048		**Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)** *(32 12 36 13-0047)* Note: 12 to 20 Pounds Per SY of 1/4" No. 10 with 0.15 to 0.30 gallons asphalt emulsion per SY.		
32 12 36 13-0049	SY	Up To 200 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.79	
		For Each Additional 0.5% Latex Additive, Add	*0.60*	
32 12 36 13-0050	SY	>200 To 500 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.52	
		For Each Additional 0.5% Latex Additive, Add	*0.60*	
32 12 36 13-0051	SY	>500 To 1,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.31	
		For Each Additional 0.5% Latex Additive, Add	*0.60*	
32 12 36 13-0052	SY	>1,000 To 5,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.10	
		For Each Additional 0.5% Latex Additive, Add	*0.60*	
32 12 36 13-0053	SY	>5,000 To 10,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.00	
		For Each Additional 0.5% Latex Additive, Add	*0.60*	
32 12 36 13-0054	SY	>10,000 To 20,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	3.89	
		For Each Additional 0.5% Latex Additive, Add	*0.60*	
32 12 36 13-0055	SY	>20,000 To 50,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	3.79	
		For Each Additional 0.5% Latex Additive, Add	*0.60*	
32 12 36 13-0056	SY	>50,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	3.74	
		For Each Additional 0.5% Latex Additive, Add	*0.60*	
32 12 36 13-0057		**Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)** *(32 12 36 13-0047)* Note: 16 to 25 Pounds Per SY of 5/16" No. 8 with 0.25 to 0.35 gallons asphalt emulsion per SY.		
32 12 36 13-0058	SY	Up To 200 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	5.69	
		For Each Additional 0.5% Latex Additive, Add	*0.74*	
32 12 36 13-0059	SY	>200 To 500 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	5.35	
		For Each Additional 0.5% Latex Additive, Add	*0.74*	
32 12 36 13-0060	SY	>500 To 1,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	5.13	
		For Each Additional 0.5% Latex Additive, Add	*0.74*	
32 12 36 13-0061	SY	>1,000 To 5,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.98	
		For Each Additional 0.5% Latex Additive, Add	*0.74*	
32 12 36 13-0062	SY	>5,000 To 10,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.68	
		For Each Additional 0.5% Latex Additive, Add	*0.74*	
32 12 36 13-0063	SY	>10,000 To 20,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.50	
		For Each Additional 0.5% Latex Additive, Add	*0.74*	
32 12 36 13-0064	SY	>20,000 To 50,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.35	
		For Each Additional 0.5% Latex Additive, Add	*0.74*	
32 12 36 13-0065	SY	>50,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.30	
		For Each Additional 0.5% Latex Additive, Add	*0.74*	
32 12 36 13-0066		**Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)** *(32 12 36 13-0047)* Note: 20 to 30 Pounds Per SY of 3/8" No. 6 with 0.25 to 0.40 gallons asphalt emulsion per SY.		
32 12 36 13-0067	SY	Up To 200 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	6.51	
		For Each Additional 0.5% Latex Additive, Add	*0.89*	
32 12 36 13-0068	SY	>200 To 500 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	6.09	
		For Each Additional 0.5% Latex Additive, Add	*0.89*	
32 12 36 13-0069	SY	>500 To 1,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	5.78	
		For Each Additional 0.5% Latex Additive, Add	*0.89*	
32 12 36 13-0070	SY	>1,000 To 5,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	5.44	
		For Each Additional 0.5% Latex Additive, Add	*0.89*	
32 12 36 13-0071	SY	>5,000 To 10,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	5.25	
		For Each Additional 0.5% Latex Additive, Add	*0.89*	
32 12 36 13-0072	SY	>10,000 To 20,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.99	
		For Each Additional 0.5% Latex Additive, Add	*0.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 36 13-0073	SY	>20,000 To 50,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.82	
		For Each Additional 0.5% Latex Additive, Add	*0.89*	
32 12 36 13-0074	SY	>50,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.75	
		For Each Additional 0.5% Latex Additive, Add	*0.89*	

32 12 36 13-0075 Course Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)

(32 12 36 13-0047)

Note: 23 to 35 Pounds Per SY of 1/2" No. 4 with 0.30 to 0.40 gallons asphalt emulsion per SY.

32 12 36 13-0076	SY	Up To 200 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	6.60	
		For Each Additional 0.5% Latex Additive, Add	*1.02*	
32 12 36 13-0077	SY	>200 To 500 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	6.18	
		For Each Additional 0.5% Latex Additive, Add	*1.02*	
32 12 36 13-0078	SY	>500 To 1,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	5.86	
		For Each Additional 0.5% Latex Additive, Add	*1.02*	
32 12 36 13-0079	SY	>1,000 To 5,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	5.50	
		For Each Additional 0.5% Latex Additive, Add	*1.02*	
32 12 36 13-0080	SY	>5,000 To 10,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	5.32	
		For Each Additional 0.5% Latex Additive, Add	*1.02*	
32 12 36 13-0081	SY	>10,000 To 20,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	5.16	
		For Each Additional 0.5% Latex Additive, Add	*1.02*	
32 12 36 13-0082	SY	>20,000 To 50,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.92	
		For Each Additional 0.5% Latex Additive, Add	*1.02*	
32 12 36 13-0083	SY	>50,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.85	
		For Each Additional 0.5% Latex Additive, Add	*1.02*	

32 12 36 13-0084 Fog Seal, CQS-1h *(32 12 36 13)*

Note: A fog seal is a light application of diluted, slow-setting asphalt emulsion without aggregate cover. Includes sweeping and cleaning of area.

32 12 36 13-0085	SY	Up To 200 SY, CQS-1h, Fog Seal	1.97
32 12 36 13-0086	SY	>200 To 500 SY, CQS-1h, Fog Seal	1.44
32 12 36 13-0087	SY	>500 To 1,000 SY, CQS-1h, Fog Seal	1.22
32 12 36 13-0088	SY	>1,000 To 5,000 SY, CQS-1h, Fog Seal	1.06
32 12 36 13-0089	SY	>5,000 To 10,000 SY, CQS-1h, Fog Seal	0.97
32 12 36 13-0090	SY	>10,000 To 20,000 SY, CQS-1h, Fog Seal	0.89
32 12 36 13-0091	SY	>20,000 To 50,000 SY, CQS-1h, Fog Seal	0.83
32 12 36 13-0092	SY	>50,000 SY, CQS-1h, Fog Seal	0.81

32 12 36 13-0093 Sand Sealer *(32 12 36 13)*

Note: A sand seal is an application of asphalt binder followed by placement of a layer of sand or fine aggregate, and then rolled to embed the sand or fine aggregate into the binder. Includes sweeping and cleaning of area.

32 12 36 13-0094	SY	Up To 200 SY, Sand Seal	2.86
32 12 36 13-0095	SY	>200 To 500 SY, Sand Seal	1.90
32 12 36 13-0096	SY	>500 To 1,000 SY, Sand Seal	1.88
32 12 36 13-0097	SY	>1,000 To 5,000 SY, Sand Seal	1.66
32 12 36 13-0098	SY	>5,000 To 10,000 SY, Sand Seal	1.54
32 12 36 13-0099	SY	>10,000 To 20,000 SY, Sand Seal	1.45
32 12 36 13-0100	SY	>20,000 To 50,000 SY, Sand Seal	1.37
32 12 36 13-0101	SY	>50,000 SY, Sand Seal	1.35

32 12 36 16 Coal Tar Seal Coats *(32 12 36)*

32 12 36 16-0001 Thermoplastic Coal-Tar Asphalt Seal *(32 12 36 16)*

Note: Includes sweeping and cleaning of area.

32 12 36 16-0002	SY	Up To 500 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	16.67
32 12 36 16-0003	SY	>500 To 1,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	15.70
32 12 36 16-0004	SY	>1,000 To 5,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	13.86
32 12 36 16-0005	SY	>5,000 To 20,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	12.46
32 12 36 16-0006	SY	>20,000 To 50,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	10.60
32 12 36 16-0007	SY	>50,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	8.75
32 12 36 16-0008	SY	Up To 500 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	20.31
32 12 36 16-0009	SY	>500 To 1,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	19.22
32 12 36 16-0010	SY	>1,000 To 5,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	17.00
32 12 36 16-0011	SY	>5,000 To 20,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	15.35
32 12 36 16-0012	SY	>20,000 To 50,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	13.11
32 12 36 16-0013	SY	>50,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	10.89

32 12 36 23 Fuel-Resistant Sealers *(32 12 36)*

32 12 36 23-0001 Guardtop Seal Coat *(32 12 36 23)*

Note: Includes sweeping and cleaning of area.

32 12 36 23-0002	SY	GuardTop® Asphalt Based Sealcoat (Two Coats)	3.28
		For 3% Polyglass Additive, Add	*0.40*
		For 6% Polyglass Additive, Add	*0.72*
		For Guardtop Black Sand 60 Mesh Additive (At 3 Pounds Per Gallon), Add	*0.27*
32 12 36 23-0003	LF	GuardTop® Cold Pour Crack Filler	1.36
32 12 36 23-0004	LF	GuardTop® Hot Pour Crack Filler	1.55
32 12 36 23-0005	SY	GuardTop® Oil Spot Primer For Asphalt	6.08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 36 23-0006	SY	GuardTop® Ultra, Polymer Modified, Asphalt Based Sealcoat (Two Coats)	4.37	
		For 3% Polyglass Additive, Add	*0.40*	
		For 6% Polyglass Additive, Add	*0.72*	
		For Guardtop Black Sand 60 Mesh Additive (At 3 Pounds Per Gallon), Add	*0.27*	

32 12 43 Porous Flexible Paving *(32 12)*

32 12 43 00-0001 Flexible Recycled Plastic Porous Grid *(32 12 43)*

Note: Includes sand fill in rings. Excludes base, earthwork and grass or sod.

32 12 43 00-0002	SY	1" Thick, Recycled Plastic Flexible Pavement With Sand Fill Note: Includes sand fill in rings. Excludes base, earthwork and grass or sod. Invisible Structures, Inc.; Grasspave2.	39.10	
		For Up To 100, Add	*12.95*	
		For >100 To 500, Add	*3.22*	
		For >1,000 To 5,000, Deduct	*-1.27*	
		For >5,000, Deduct	*-2.69*	

32 12 73 Asphalt Paving Joint Sealants *(32 12)*

32 12 73 00-0001 Expansion Joint In Sidewalk *(32 12 73)*

32 12 73 00-0002	LF	For Hot Asphalt Poured Over Expansion Joint In Sidewalk	3.60	

32 13 Rigid Paving *(32 10)*

32 13 13 Concrete Paving *(32 13)*

Note: The following section includes spreading and placing delivered Portland cement concrete mix.

32 13 13 33 Plain Concrete Paving *(32 13 13)*

32 13 13 33-0001 Concrete Paving Assemblies *(32 13 13 33)*

Note: Includes forms, wire mesh (where necessary), two mat layers #3-#6 reinforcing rods at 12" on center with chairs (where necessary), vapor barrier, concrete, curing, latex or hot asphalt expansion joints, control joints, screed, float and finish. Excludes excavation, base and earthwork. Includes concrete paving machine. To be used for roadways, driveways, parking areas, or other areas of vehicular traffic. See CSI section 03 05 13 00-0001 for color additive.

32 13 13 33-0002 4,500 PSI Concrete Paving Assembly *(32 13 13 33-0001)*

32 13 13 33-0003	SY	4" 4,500 PSI Concrete Paving Assembly	65.13	
		For 2,500 PSI Concrete, Deduct	*-3.82*	
		For 3,000 PSI Concrete, Deduct	*-2.49*	
		For 3,500 PSI Concrete, Deduct	*-1.99*	
		For 4,000 PSI Concrete, Deduct	*-0.86*	
		For 5,000 PSI Concrete, Add	*0.53*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*4.31*	
		For <12' Wide Pass, Add	*11.30*	
		For 24' Or Greater Wide Pass, Deduct	*-13.03*	
		For Air Entrainment, Add	*1.66*	
		For Slipforming, Deduct	*-6.51*	
		For Up To 100, Add	*25.80*	
		For >100 To 250, Add	*14.56*	
		For >250 To 500, Add	*7.28*	
		For >1,000 To 2,000, Deduct	*-1.66*	
		For >2,000 To 5,000, Deduct	*-3.29*	
		For >5,000 To 10,000, Deduct	*-4.92*	
		For >10,000 To 20,000, Deduct	*-6.54*	
		For >20,000, Deduct	*-8.17*	
32 13 13 33-0004	SY	5" 4,500 PSI Concrete Paving Assembly	77.15	
		For 2,500 PSI Concrete, Deduct	*-4.79*	
		For 3,000 PSI Concrete, Deduct	*-3.12*	
		For 3,500 PSI Concrete, Deduct	*-2.50*	
		For 4,000 PSI Concrete, Deduct	*-1.08*	
		For 5,000 PSI Concrete, Add	*0.67*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*5.42*	
		For <12' Wide Pass, Add	*13.04*	
		For 24' Or Greater Wide Pass, Deduct	*-15.43*	
		For Air Entrainment, Add	*2.08*	
		For Slipforming, Deduct	*-7.72*	
		For Up To 100, Add	*29.63*	
		For >100 To 250, Add	*16.90*	
		For >250 To 500, Add	*8.45*	
		For >1,000 To 2,000, Deduct	*-2.08*	
		For >2,000 To 5,000, Deduct	*-4.01*	
		For >5,000 To 10,000, Deduct	*-5.94*	
		For >10,000 To 20,000, Deduct	*-7.87*	
		For >20,000, Deduct	*-9.80*	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 13 33-0005	SY	6" 4,500 PSI Concrete Paving Assembly	82.39	
		For 2,500 PSI Concrete, Deduct	*-5.05*	
		For 3,000 PSI Concrete, Deduct	*-3.30*	
		For 3,500 PSI Concrete, Deduct	*-2.64*	
		For 4,000 PSI Concrete, Deduct	*-1.14*	
		For 5,000 PSI Concrete, Add	*0.70*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*5.71*	
		For <12' Wide Pass, Add	*14.01*	
		For 24' Or Greater Wide Pass, Deduct	*-16.48*	
		For Air Entrainment, Add	*2.20*	
		For Slipforming, Deduct	*-8.24*	
		For Up To 100, Add	*31.86*	
		For >100 To 250, Add	*18.13*	
		For >250 To 500, Add	*9.06*	
		For >1,000 To 2,000, Deduct	*-2.20*	
		For >2,000 To 5,000, Deduct	*-4.26*	
		For >5,000 To 10,000, Deduct	*-6.32*	
		For >10,000 To 20,000, Deduct	*-8.38*	
		For >20,000, Deduct	*-10.44*	
32 13 13 33-0006	SY	7" 4,500 PSI Concrete Paving Assembly	98.00	
		For 2,500 PSI Concrete, Deduct	*-6.37*	
		For 3,000 PSI Concrete, Deduct	*-4.16*	
		For 3,500 PSI Concrete, Deduct	*-3.32*	
		For 4,000 PSI Concrete, Deduct	*-1.44*	
		For 5,000 PSI Concrete, Add	*0.89*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*7.20*	
		For <12' Wide Pass, Add	*16.19*	
		For 24' Or Greater Wide Pass, Deduct	*-19.60*	
		For Air Entrainment, Add	*2.77*	
		For Slipforming, Deduct	*-9.80*	
		For Up To 100, Add	*36.64*	
		For >100 To 250, Add	*21.09*	
		For >250 To 500, Add	*10.54*	
		For >1,000 To 2,000, Deduct	*-2.77*	
		For >2,000 To 5,000, Deduct	*-5.22*	
		For >5,000 To 10,000, Deduct	*-7.67*	
		For >10,000 To 20,000, Deduct	*-10.12*	
		For >20,000, Deduct	*-12.57*	
32 13 13 33-0007	SY	8" 4,500 PSI Concrete Paving Assembly	111.93	
		For 2,500 PSI Concrete, Deduct	*-6.99*	
		For 3,000 PSI Concrete, Deduct	*-4.56*	
		For 3,500 PSI Concrete, Deduct	*-3.65*	
		For 4,000 PSI Concrete, Deduct	*-1.58*	
		For 5,000 PSI Concrete, Add	*0.97*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*7.91*	
		For <12' Wide Pass, Add	*18.86*	
		For 24' Or Greater Wide Pass, Deduct	*-22.39*	
		For Air Entrainment, Add	*3.04*	
		For Slipforming, Deduct	*-11.19*	
		For Up To 100, Add	*42.83*	
		For >100 To 250, Add	*24.46*	
		For >250 To 500, Add	*12.23*	
		For >1,000 To 2,000, Deduct	*-3.04*	
		For >2,000 To 5,000, Deduct	*-5.84*	
		For >5,000 To 10,000, Deduct	*-8.64*	
		For >10,000 To 20,000, Deduct	*-11.44*	
		For >20,000, Deduct	*-14.23*	
32 13 13 33-0008	SY	9" 4,500 PSI Concrete Paving Assembly	126.71	
		For 2,500 PSI Concrete, Deduct	*-8.08*	
		For 3,000 PSI Concrete, Deduct	*-5.27*	
		For 3,500 PSI Concrete, Deduct	*-4.22*	
		For 4,000 PSI Concrete, Deduct	*-1.83*	
		For 5,000 PSI Concrete, Add	*1.12*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*9.14*	
		For <12' Wide Pass, Add	*21.14*	
		For 24' Or Greater Wide Pass, Deduct	*-25.34*	
		For Air Entrainment, Add	*3.51*	
		For Slipforming, Deduct	*-12.67*	
		For Up To 100, Add	*47.91*	
		For >100 To 250, Add	*27.47*	
		For >250 To 500, Add	*13.74*	
		For >1,000 To 2,000, Deduct	*-3.51*	
		For >2,000 To 5,000, Deduct	*-6.68*	
		For >5,000 To 10,000, Deduct	*-9.85*	
		For >10,000 To 20,000, Deduct	*-13.02*	
		For >20,000, Deduct	*-16.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 13 33-0009	SY	10" 4,500 PSI Concrete Paving Assembly	141.19	
		For 2,500 PSI Concrete, Deduct	*-8.89*	
		For 3,000 PSI Concrete, Deduct	*-5.80*	
		For 3,500 PSI Concrete, Deduct	*-4.64*	
		For 4,000 PSI Concrete, Deduct	*-2.01*	
		For 5,000 PSI Concrete, Add	*1.24*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*10.05*	
		For <12' Wide Pass, Add	*23.70*	
		For 24' Or Greater Wide Pass, Deduct	*-28.24*	
		For Air Entrainment, Add	*3.87*	
		For Slipforming, Deduct	*-14.12*	
		For Up To 100, Add	*53.79*	
		For >100 To 250, Add	*30.76*	
		For >250 To 500, Add	*15.38*	
		For >1,000 To 2,000, Deduct	*-3.87*	
		For >2,000 To 5,000, Deduct	*-7.40*	
		For >5,000 To 10,000, Deduct	*-10.93*	
		For >10,000 To 20,000, Deduct	*-14.45*	
		For >20,000, Deduct	*-17.98*	
32 13 13 33-0010	SY	12" 4,500 PSI Concrete Paving Assembly	168.21	
		For 2,500 PSI Concrete, Deduct	*-10.53*	
		For 3,000 PSI Concrete, Deduct	*-6.87*	
		For 3,500 PSI Concrete, Deduct	*-5.49*	
		For 4,000 PSI Concrete, Deduct	*-2.38*	
		For 5,000 PSI Concrete, Add	*1.46*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*11.90*	
		For <12' Wide Pass, Add	*28.32*	
		For 24' Or Greater Wide Pass, Deduct	*-33.64*	
		For Air Entrainment, Add	*4.58*	
		For Slipforming, Deduct	*-16.82*	
		For Up To 100, Add	*64.31*	
		For >100 To 250, Add	*36.73*	
		For >250 To 500, Add	*18.37*	
		For >1,000 To 2,000, Deduct	*-4.58*	
		For >2,000 To 5,000, Deduct	*-8.78*	
		For >5,000 To 10,000, Deduct	*-12.99*	
		For >10,000 To 20,000, Deduct	*-17.19*	
		For >20,000, Deduct	*-21.40*	
32 13 13 33-0011	SY	15" 4,500 PSI Concrete Paving Assembly	214.17	
		For 2,500 PSI Concrete, Deduct	*-12.93*	
		For 3,000 PSI Concrete, Deduct	*-8.43*	
		For 3,500 PSI Concrete, Deduct	*-6.75*	
		For 4,000 PSI Concrete, Deduct	*-2.92*	
		For 5,000 PSI Concrete, Add	*1.80*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*14.61*	
		For <12' Wide Pass, Add	*36.68*	
		For 24' Or Greater Wide Pass, Deduct	*-42.83*	
		For Air Entrainment, Add	*5.62*	
		For Slipforming, Deduct	*-21.42*	
		For Up To 100, Add	*83.53*	
		For >100 To 250, Add	*47.39*	
		For >250 To 500, Add	*23.69*	
		For >1,000 To 2,000, Deduct	*-5.62*	
		For >2,000 To 5,000, Deduct	*-10.98*	
		For >5,000 To 10,000, Deduct	*-16.33*	
		For >10,000 To 20,000, Deduct	*-21.68*	
		For >20,000, Deduct	*-27.04*	

32 13 16 Decorative Concrete Paving *(32 13)*

32 13 16 13 Patterned Concrete Paving *(32 13 16)*

See CSI section 32 17 26 00-0000 for tactile warning surfaces.

32 13 16 13-0001	SF	For Patterned (Tactile) Finish In Concrete Sidewalk	5.08	

32 13 43 Pervious Concrete Paving *(32 13)*

32 13 43 00-0001 Pervious Concrete Assemblies *(32 13 43)*

Note: Pervious concrete is a special concrete mix with high porosity that allows water to pass through it. For paving and sidewalks.

32 13 43 00-0002	SF	6" Thick, 15-25% Porosity, Minimum 115 PCF, Pervious Concrete Paving Note: Includes filter fabric, concrete, curing, finish, and control joints. Excludes excavation, base, forms and expansion joints along existing.	19.01	
		For >5,000 To 30,000, Deduct	*-2.03*	
		For >30,000 To 100,000, Deduct	*-3.72*	
		For >100,000, Deduct	*-4.62*	
32 13 43 00-0003	SF	9" Thick, 15-25% Porosity, Minimum 115 PCF, Pervious Concrete Paving Note: Includes filter fabric, concrete, curing, finish, and control joints. Excludes excavation, base, forms and expansion joints along existing.	24.11	
		For >5,000 To 30,000, Deduct	*-2.51*	
		For >30,000 To 100,000, Deduct	*-4.50*	
		For >100,000, Deduct	*-5.59*	

32 13 73 Concrete Paving Joint Sealants *(32 13)*

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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 73 13			**Fuel-Resistant Concrete Paving Joint Sealants** *(32 13 73)*		
32 13 73 13-0001			Concrete Pavement Joint And Crack Repair *(32 13 73 13)* Note: Includes cutting joint, removal of existing material, sweeping and cleaning area.		
32 13 73 13-0002			Silicone Concrete Pavement Joint And Crack Repair *(32 13 73 13-0001)*		
	32 13 73 13-0003	CLF	1/4" x 1/4" Joint, Silicone Concrete Pavement Joint And Crack Repair	658.07	
			For Custom Match Coloring, Add	*21.94*	
			For 1 Part Mildew Resistant, Add	*31.99*	
			For High-Modulus Non-Acid Curing, Add	*18.28*	
	32 13 73 13-0004	CLF	1/4" x 3/8" Joint, Silicone Concrete Pavement Joint And Crack Repair	741.54	
			For Custom Match Coloring, Add	*32.91*	
			For 1 Part Mildew Resistant, Add	*47.99*	
			For High-Modulus Non-Acid Curing, Add	*27.42*	
	32 13 73 13-0005	CLF	1/4" x 1/2" Joint, Silicone Concrete Pavement Joint And Crack Repair	825.04	
			For Custom Match Coloring, Add	*43.88*	
			For 1 Part Mildew Resistant, Add	*63.99*	
			For High-Modulus Non-Acid Curing, Add	*36.56*	
	32 13 73 13-0006	CLF	3/8" x 3/8" Joint, Silicone Concrete Pavement Joint And Crack Repair	847.89	
			For Custom Match Coloring, Add	*49.36*	
			For 1 Part Mildew Resistant, Add	*71.98*	
			For High-Modulus Non-Acid Curing, Add	*41.13*	
	32 13 73 13-0007	CLF	3/8" x 1/2" Joint, Silicone Concrete Pavement Joint And Crack Repair	935.32	
			For Custom Match Coloring, Add	*65.81*	
			For 1 Part Mildew Resistant, Add	*95.98*	
			For High-Modulus Non-Acid Curing, Add	*54.84*	
	32 13 73 13-0008	CLF	3/8" x 5/8" Joint, Silicone Concrete Pavement Joint And Crack Repair	1,022.77	
			For Custom Match Coloring, Add	*82.27*	
			For 1 Part Mildew Resistant, Add	*119.97*	
			For High-Modulus Non-Acid Curing, Add	*68.56*	
	32 13 73 13-0009	CLF	3/8" x 3/4" Joint, Silicone Concrete Pavement Joint And Crack Repair	1,129.11	
			For Custom Match Coloring, Add	*98.72*	
			For 1 Part Mildew Resistant, Add	*143.97*	
			For High-Modulus Non-Acid Curing, Add	*82.27*	
	32 13 73 13-0010	CLF	1/2" x 1/2" Joint, Silicone Concrete Pavement Joint And Crack Repair	1,045.62	
			For Custom Match Coloring, Add	*87.75*	
			For 1 Part Mildew Resistant, Add	*127.97*	
			For High-Modulus Non-Acid Curing, Add	*73.13*	
	32 13 73 13-0011	CLF	1/2" x 5/8" Joint, Silicone Concrete Pavement Joint And Crack Repair	1,212.58	
			For Custom Match Coloring, Add	*109.69*	
			For 1 Part Mildew Resistant, Add	*159.96*	
			For High-Modulus Non-Acid Curing, Add	*91.41*	
	32 13 73 13-0012	CLF	1/2" x 3/4" Joint, Silicone Concrete Pavement Joint And Crack Repair	1,341.77	
			For Custom Match Coloring, Add	*131.63*	
			For 1 Part Mildew Resistant, Add	*191.96*	
			For High-Modulus Non-Acid Curing, Add	*109.69*	
	32 13 73 13-0013	CLF	1/2" x 7/8" Joint, Silicone Concrete Pavement Joint And Crack Repair	1,470.95	
			For Custom Match Coloring, Add	*153.57*	
			For 1 Part Mildew Resistant, Add	*223.95*	
			For High-Modulus Non-Acid Curing, Add	*127.97*	
	32 13 73 13-0014	CLF	1/2" x 1" Joint, Silicone Concrete Pavement Joint And Crack Repair	1,581.25	
			For Custom Match Coloring, Add	*175.50*	
			For 1 Part Mildew Resistant, Add	*255.94*	
			For High-Modulus Non-Acid Curing, Add	*146.25*	
	32 13 73 13-0015	CLF	3/4" x 3/4" Joint, Silicone Concrete Pavement Joint And Crack Repair	1,691.54	
			For Custom Match Coloring, Add	*197.44*	
			For 1 Part Mildew Resistant, Add	*287.93*	
			For High-Modulus Non-Acid Curing, Add	*164.53*	
	32 13 73 13-0016	CLF	3/4" x 1" Joint, Silicone Concrete Pavement Joint And Crack Repair	2,049.26	
			For Custom Match Coloring, Add	*274.22*	
			For 1 Part Mildew Resistant, Add	*399.91*	
			For High-Modulus Non-Acid Curing, Add	*228.52*	
	32 13 73 13-0017	CLF	1" x 1" Joint, Silicone Concrete Pavement Joint And Crack Repair	2,406.96	
			For Custom Match Coloring, Add	*351.01*	
			For 1 Part Mildew Resistant, Add	*511.89*	
			For High-Modulus Non-Acid Curing, Add	*292.51*	
32 13 73 16			**Field-Molded Concrete Paving Joint Sealants** *(32 13 73)*		
32 13 73 16-0001			Preformed Elastomeric Concrete Pavement Joint And Crack Repair *(32 13 73 16)* Note: Includes cutting joint, removal of existing material, sweeping and cleaning area.		
	32 13 73 16-0002	LF	Joint Sealing, Concrete Pavement Preformed Elastomeric	14.89	
32 13 73 19			**Compression Concrete Paving Joint Sealants** *(32 13 73)*		
32 13 73 19-0001			Silicone Joint Sealant For Concrete Pavement *(32 13 73 19)* Note: Installation includes high pressure water wash, sand blast, sweeping, cleaning area, backer rod and Dow Corning 888 silicone sealant. Demolition includes removal of existing material where saw cutting is not required. Excludes saw cutting.		
	32 13 73 19-0002	LF	1/4" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	12.21	2.80
	32 13 73 19-0003	LF	3/8" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	12.87	2.87
	32 13 73 19-0004	LF	1/2" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	13.79	2.92
	32 13 73 19-0005	LF	3/4" x 3/8" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	16.82	2.98
	32 13 73 19-0006	LF	1" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	19.90	3.04

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 73 19-0007	LF	1-1/2" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement		25.92	3.10
32 13 73 19-0008	LF	2" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement		39.31	3.16

32 14 Unit Paving *(32 10)*

32 14 09 Paver Restraints *(32 14)*

32 14 09 00-0001 Paver Restraints *(32 14 09)*

Note: Paver restraints are used along the edge of a group of pavers as a locking border. Flexible or rigid sections. Includes stakes and connecting devices. Excludes pavers, bedding, excavation, base course and compaction.

32 14 09 00-0002	LF	Up To 2" Height, Vinyl Paver Restraint		5.40	1.26
		For >1,000 To 2,000, Deduct		*-0.75*	
		For >2,000 To 4,000, Deduct		*-1.09*	
		For >4,000, Deduct		*-1.39*	
32 14 09 00-0003	LF	Up To 2" Height, Galvanized Steel Paver Restraint		5.85	1.26
		For >500 To 1,000, Deduct		*-0.19*	
		For >1,000 To 2,000, Deduct		*-0.39*	
		For >2,000, Deduct		*-0.58*	
32 14 09 00-0004	LF	Up To 1" Height, Aluminum Paver Restraint		5.63	1.26
		For >250 To 500, Deduct		*-0.36*	
		For >500 To 1,000, Deduct		*-0.54*	
		For >1,000 To 1,500, Deduct		*-0.91*	
32 14 09 00-0005	LF	>1" To 2" Height, Aluminum Paver Restraint		6.64	1.26
		For >250 To 500, Deduct		*-0.46*	
		For >500 To 1,000, Deduct		*-0.70*	
		For >1,000 To 1,500, Deduct		*-1.16*	
32 14 09 00-0006	LF	>2" To 3" Height, Aluminum Paver Restraint		8.60	1.26
		For >250 To 500, Deduct		*-0.66*	
		For >500 To 1,000, Deduct		*-0.99*	
		For >1,000 To 1,500, Deduct		*-1.65*	
32 14 09 00-0007	LF	>3" To 4" Height, Aluminum Paver Restraint		10.10	1.26
		For >250 To 500, Deduct		*-0.81*	
		For >500 To 1,000, Deduct		*-1.22*	
		For >1,000 To 1,500, Deduct		*-2.03*	

32 14 11 Bedding for Unit Paving *(32 14)*

32 14 11 00-0001 Bedding For Brick, Precast Concrete Paver And Stone Sidewalk *(32 14 11)*

Note: Includes delivery up to 15 miles from the closest approved source, the cost for loading, and dumping. See CSI section 01 74 19 00-0041 for hauling greater than 15 miles.

32 14 11 00-0002	SF	1" To 2" Screeded Sand Bedding		1.04	
		For Up To 100, Add		*0.46*	
		For >100 To 500, Add		*0.13*	
		For >1,000 To 5,000, Deduct		*-0.08*	
		For >5,000, Deduct		*-0.13*	
32 14 11 00-0003	SF	1" To 2" Screeded Stone Dust Bedding		1.23	
		For Up To 100, Add		*0.51*	
		For >100 To 500, Add		*0.14*	
		For >1,000 To 5,000, Deduct		*-0.08*	
		For >5,000, Deduct		*-0.13*	
32 14 11 00-0004	SF	3" Screeded Stone Dust Bedding		1.59	
		For Up To 100, Add		*0.64*	
		For >100 To 500, Add		*0.17*	
		For >1,000 To 5,000, Deduct		*-0.10*	
		For >5,000, Deduct		*-0.16*	
32 14 11 00-0005	SF	4" Screeded Stone Dust Bedding		2.02	
		For Up To 100, Add		*0.80*	
		For >100 To 500, Add		*0.22*	
		For >1,000 To 5,000, Deduct		*-0.12*	
		For >5,000, Deduct		*-0.20*	
32 14 11 00-0006	SF	1" Mortar Bedding		3.34	
		For Up To 100, Add		*1.50*	
		For >100 To 500, Add		*0.43*	
		For >1,000 To 5,000, Deduct		*-0.26*	
		For >5,000, Deduct		*-0.42*	
32 14 11 00-0007	SF	2" Mortar Bedding		4.92	
		For Up To 100, Add		*2.11*	
		For >100 To 500, Add		*0.60*	
		For >1,000 To 5,000, Deduct		*-0.35*	
		For >5,000, Deduct		*-0.57*	
32 14 11 00-0008	SF	Thin-Set Latex Portland Cement Mortar		1.65	
		For Up To 100, Add		*0.77*	
		For >100 To 500, Add		*0.22*	
		For >1,000 To 5,000, Deduct		*-0.14*	
		For >5,000, Deduct		*-0.22*	

32 14 13 Precast Concrete Unit Paving *(32 14)*

32 14 13 16 Precast Concrete Unit Paving Slabs *(32 14 13)*

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LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 13 16-0001		**Precast Concrete Paver Sidewalk** *(32 14 13 16)* Note: Square, rectangular, or interlocking pervious pavers. Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.		
32 14 13 16-0002	SF	2-3/8" Thick, Up To 32 SI Precast Concrete Paver Note: Includes 2-1/2" x 5", 4" x 4", 4" x 6", 5" x 5", 4" x 8" and other similar size pavers.	12.23	3.29
		For 2-3/4" Concrete Paver, Add	*1.17*	
		For 3-1/8" Concrete Paver, Add	*1.90*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.94*	
		For Up To 100, Add	*4.71*	
		For >100 To 500, Add	*1.27*	
		For >1,000 To 5,000, Deduct	*-0.66*	
		For >5,000, Deduct	*-1.16*	
32 14 13 16-0003	SF	2-3/8" Thick, >32 to 64 SI Precast Concrete Paver Note: Includes 5" x 7", 6" x 6", 8" x 8" and other similar size pavers.	11.64	3.00
		For 2-3/4" Concrete Paver, Add	*1.15*	
		For 3-1/8" Concrete Paver, Add	*1.86*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.88*	
		For Up To 100, Add	*4.41*	
		For >100 To 500, Add	*1.18*	
		For >1,000 To 5,000, Deduct	*-0.60*	
		For >5,000, Deduct	*-1.07*	
32 14 13 16-0004	SF	2-3/8" Thick, >64 to 144 SI Precast Concrete Paver Note: Includes 6" x 12", 12" x 12" and other similar size pavers.	11.08	2.38
		For 2-3/4" Concrete Paver, Add	*1.12*	
		For 3-1/8" Concrete Paver, Add	*1.82*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.83*	
		For Up To 100, Add	*4.13*	
		For >100 To 500, Add	*1.10*	
		For >1,000 To 5,000, Deduct	*-0.55*	
		For >5,000, Deduct	*-0.99*	
32 14 13 16-0005	SF	2-3/8" Thick, >144 SI Precast Concrete Paver Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24", 24" x 36", 36" x 36" and other similar size pavers.	10.59	2.48
		For 2-3/4" Concrete Paver, Add	*1.09*	
		For 3-1/8" Concrete Paver, Add	*1.78*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.78*	
		For Up To 100, Add	*3.89*	
		For >100 To 500, Add	*1.03*	
		For >1,000 To 5,000, Deduct	*-0.50*	
		For >5,000, Deduct	*-0.91*	
32 14 13 16-0006	SF	2-3/8" Thick, Precast Concrete Paver, Combinations And Patterns Note: Patterns made by combining pavers from two or more size groups.	11.35	2.85
		For 2-3/4" Concrete Paver, Add	*1.13*	
		For 3-1/8" Concrete Paver, Add	*1.84*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.85*	
		For Up To 100, Add	*4.27*	
		For >100 To 500, Add	*1.14*	
		For >1,000 To 5,000, Deduct	*-0.57*	
		For >5,000, Deduct	*-1.03*	
32 14 13 19		**Porous Precast Concrete Unit Paving** *(32 14 13)*		
32 14 13 19-0001		**Turf Block** *(32 14 13 19)* Note: Grass grid, open-cell unit paver, geoblock.		
32 14 13 19-0002	SF	3-1/8" Thick, Precast Concrete Turf Block	12.59	2.85
		For Up To 100, Add	*4.58*	
		For >100 To 500, Add	*1.20*	
		For >1,000 To 5,000, Deduct	*-0.57*	
		For >5,000, Deduct	*-1.06*	
32 14 16		**Brick Unit Paving** *(32 14)*		
32 14 16 00-0001		**Brick Paver Sidewalk** *(32 14 16)* Note: Includes sand joints. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.		
32 14 16 00-0002	SF	4" x 8" x 2-1/4" Brick Paver, Laid Flat	15.63	3.29
		For 1-3/8" Thick Paver, Deduct	*-3.49*	
		For 2-3/4" Thick Paver (Vehicular), Add	*8.04*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.11*	
		For Up To 100, Add	*5.56*	
		For >100 To 500, Add	*1.44*	
		For >1,000 To 5,000, Deduct	*-0.66*	
		For >5,000, Deduct	*-1.26*	
32 14 16 00-0003	SF	4" x 8" x 2-1/4" Brick, Laid On Edge	23.57	3.76
		For 1-3/8" Thick Paver, Deduct	*-6.00*	
		For 2-3/4" Thick Paver (Vehicular), Add	*14.08*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.55*	
		For Up To 100, Add	*7.77*	
		For >100 To 500, Add	*1.93*	
		For >1,000 To 5,000, Deduct	*-0.75*	
		For >5,000, Deduct	*-1.61*	
32 14 33		**Plastic Paving** *(32 14)*		

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 33 13		**Permeable Plastic Paving** *(32 14 33)*			
32 14 33 13-0001		Turf Block Plastic Paving *(32 14 33 13)*			
32 14 33 13-0002	SF	4" Thick Recycled Polyvinyl Chloride (PVC) Plastic Turf Block		19.35	2.85
		For Up To 100, Add		*6.27*	
		For >100 To 500, Add		*1.54*	
		For >1,000 To 5,000, Deduct		*-0.57*	
		For >5,000, Deduct		*-1.27*	
32 14 40		**Stone Paving** *(32 14)*			
32 14 40 00-0001		Slate Paver Sidewalk *(32 14 40)*			
		Note: Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.			
32 14 40 00-0002	SF	1" Thick, Up to 54 SI Slate Paver		16.29	2.73
		Note: Includes 3" x 9", 6" x 6", 6" x 9" and other similar size pavers.			
		For Cement/Sand Mix Or Polymeric Sand Joints, Add		*1.09*	
		For 1/4" Thick Paver, Deduct		*-8.30*	
		For 1/2" Thick Paver, Deduct		*-5.80*	
		For Up To 100, Add		*5.44*	
		For >100 To 500, Add		*1.36*	
		For >1,000 To 5,000, Deduct		*-0.55*	
		For >5,000, Deduct		*-1.14*	
32 14 40 00-0003	SF	1" Thick, >54 to 108 SI Slate Paver		15.80	2.48
		Note: Includes 6" x 12", 9" x 9", 6" x 18", 9" x 12" and other similar size pavers.			
		For Cement/Sand Mix Or Polymeric Sand Joints, Add		*1.04*	
		For 1/4" Thick Paver, Deduct		*-8.18*	
		For 1/2" Thick Paver, Deduct		*-5.73*	
		For Up To 100, Add		*5.19*	
		For >100 To 500, Add		*1.29*	
		For >1,000 To 5,000, Deduct		*-0.50*	
		For >5,000, Deduct		*-1.07*	
32 14 40 00-0004	SF	1" Thick, >108 to 216 SI Slate Paver		14.94	2.05
		Note: Includes 12" x 12", 6" x 24", 9" x 18", 9" x 24", 12" x 18" and other similar size pavers.			
		For Cement/Sand Mix Or Polymeric Sand Joints, Add		*0.95*	
		For 1/4" Thick Paver, Deduct		*-7.96*	
		For 1/2" Thick Paver, Deduct		*-5.60*	
		For Up To 100, Add		*4.76*	
		For >100 To 500, Add		*1.16*	
		For >1,000 To 5,000, Deduct		*-0.41*	
		For >5,000, Deduct		*-0.94*	
32 14 40 00-0005	SF	1" Thick, >216 SI Slate Paver		14.57	1.86
		Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24", 24" x 36", 36" x 36" and other similar size pavers.			
		For Cement/Sand Mix Or Polymeric Sand Joints, Add		*0.92*	
		For 1/4" Thick Paver, Deduct		*-7.87*	
		For 1/2" Thick Paver, Deduct		*-5.55*	
		For Up To 100, Add		*4.58*	
		For >100 To 500, Add		*1.10*	
		For >1,000 To 5,000, Deduct		*-0.37*	
		For >5,000, Deduct		*-0.88*	
32 14 40 00-0006	SF	1" Thick, Slate Paver, Combinations And Patterns		15.33	2.24
		Note: Patterns made by combining pavers from two or more size groups.			
		For Cement/Sand Mix Or Polymeric Sand Joints, Add		*0.99*	
		For 1/4" Thick Paver, Deduct		*-8.06*	
		For 1/2" Thick Paver, Deduct		*-5.66*	
		For Up To 100, Add		*4.96*	
		For >100 To 500, Add		*1.22*	
		For >1,000 To 5,000, Deduct		*-0.45*	
		For >5,000, Deduct		*-1.00*	
32 14 40 00-0007		Granite Paver Sidewalk *(32 14 40)*			
		Note: Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.			
32 14 40 00-0008	SF	1" Thick, Up to 54 SI Granite Paver		29.80	2.73
		Note: Includes 3" x 9", 6" x 6", 6" x 9" and other similar size pavers.			
		For Cement/Sand Mix Or Polymeric Sand Joints, Add		*1.76*	
		For 2" Granite Paver, Add		*1.49*	
		For 3" Granite Paver, Add		*2.98*	
		For 4" Granite Paver, Add		*3.25*	
		For Up To 100, Add		*8.81*	
		For >100 To 500, Add		*2.04*	
		For >1,000 To 5,000, Deduct		*-0.55*	
		For >5,000, Deduct		*-1.55*	
32 14 40 00-0009	SF	1" Thick, >54 to 108 SI Granite Paver		29.31	2.48
		Note: Includes 6" x 12", 9" x 9", 6" x 18", 9" x 12" and other similar size pavers.			
		For Cement/Sand Mix Or Polymeric Sand Joints, Add		*1.71*	
		For 2" Granite Paver, Add		*1.47*	
		For 3" Granite Paver, Add		*2.93*	
		For 4" Granite Paver, Add		*3.18*	
		For Up To 100, Add		*8.57*	
		For >100 To 500, Add		*1.96*	
		For >1,000 To 5,000, Deduct		*-0.50*	
		For >5,000, Deduct		*-1.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 40 00-0010	SF	1" Thick, >108 to 216 SI Granite Paver Note: Includes 12" x 12", 6" x 24", 9" x 18", 9" x 24", 12" x 18" and other similar size pavers.	28.45	2.05
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.63*	
		For 2" Granite Paver, Add	*1.42*	
		For 3" Granite Paver, Add	*2.85*	
		For 4" Granite Paver, Add	*3.05*	
		For Up To 100, Add	*8.14*	
		For >100 To 500, Add	*1.83*	
		For >1,000 To 5,000, Deduct	*-0.41*	
		For >5,000, Deduct	*-1.35*	
32 14 40 00-0011	SF	1" Thick, >216 SI Granite Paver Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24" and other similar size pavers.	28.08	1.86
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.59*	
		For 2" Granite Paver, Add	*1.40*	
		For 3" Granite Paver, Add	*2.81*	
		For 4" Granite Paver, Add	*2.99*	
		For Up To 100, Add	*7.95*	
		For >100 To 500, Add	*1.78*	
		For >1,000 To 5,000, Deduct	*-0.37*	
		For >5,000, Deduct	*-1.29*	
32 14 40 00-0012	SF	1" Thick, Granite Paver, Combinations And Patterns Note: Patterns made by combining pavers from two or more size groups.	28.84	2.24
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.67*	
		For 2" Granite Paver, Add	*1.44*	
		For 3" Granite Paver, Add	*2.88*	
		For 4" Granite Paver, Add	*3.11*	
		For Up To 100, Add	*8.33*	
		For >100 To 500, Add	*1.89*	
		For >1,000 To 5,000, Deduct	*-0.45*	
		For >5,000, Deduct	*-1.40*	

32 14 40 00-0013 Lithocrete® LQS Paving *(32 14 40)*

Note: includes 12"x12" control samples & one (1) 4'x 4' mockup; Speed doweled construction joints at 18" on center, jointing per plan, expansion foam at vertical surfaces; provide and install #3 rebar reinforcing at 18" ocew; concrete pumping, visqueen protection during concrete placement and finishing over base materials by others; ADA ramps with block-outs for truncated domes by others; hand seeded Lithocrete® Quarried Stone Finish with select granite sand and aggregates TBD; Lithocrete® Conditioner & Etch-Retarder; sawcut joints, acid cleaning, supply and install Prosoco Concrete Protector Oil & Water Repellent Sealer; sanded caulking for our work at curbs and planter walls. Concrete washouts bins and clean-up of our work per the attached highlighted scope.

32 14 40 00-0014	SF	5" Average Thickness Type II Cement With Group II Integral Color, Lithocrete® LQS Paving	47.97	

32 15 Aggregate Surfacing *(32 10)*

32 15 40 Crushed Stone Surfacing *(32 15)*

Note: Includes delivery up to 15 miles from supplier, placement, rolling and compaction water. See CSI section 01 74 19 00-0041 for hauling greater than 15 miles.

32 15 40 00-0001 Gravel Surfacing And Spreading *(32 15 40)*

Note: Includes delivered material, placement, rolling and compaction water.

32 15 40 00-0002	CY	Gravel Surfacing And Spreading	101.54	

32 15 40 00-0003 Limestone Screenings *(32 15 40)*

Note: Includes delivered material, placement, rolling and compaction water. For trail maintenance.

32 15 40 00-0004	CY	Limestone Screenings For Trail	78.82	

32 15 40 00-0005 Decomposed Granite *(32 15 40)*

Note: Includes delivered material, placement, rolling and compaction water.

32 15 40 00-0006	SY	3" To 4" Thick Decomposed Granite Screenings With Stabilizer Pathway Note: Placed in 2 lifts.	20.05	
		For Additional 2" Lift	*10.03*	
		For >45 To 180, Deduct	*-1.34*	
		For >180 To 450, Deduct	*-1.67*	
		For >450, Deduct	*-2.00*	

32 16 Curbs, Gutters, Sidewalks, and Driveways *(32 10)*

32 16 13 Curbs and Gutters *(32 16)*

Note: Includes transitions. Demolition Includes two saw cuts (each end) of curbs and gutters for lengths up to 100'. See CSI section 02 41 19 13-0059 for additional saw cuts within the 100'.

32 16 13 13 Cast-In-Place Concrete Curbs and Gutters *(32 16 13)*

Note: Includes concrete, forms, rebar (where required), rebar chairs (where necessary), expansion joints, finish and curing.

32 16 13 13-0001 CALTRANs Cast In Place Concrete Curbs Assemblies *(32 16 13 13)*

Note: Includes delivered concrete, forms, rebar, chairs (where necessary), expansion joints, finish and curing.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0002	LF	CALTRANs Type A1-6 Straight Concrete Curb Assembly	26.20	10.72
		For Up To 20, Add	*14.62*	
		For >20 To 50, Add	*8.25*	
		For >50 To 100, Add	*3.19*	
		For >500 To 1,000, Deduct	*-3.19*	
		For >1,000, Deduct	*-5.43*	
32 16 13 13-0003	LF	CALTRANs Type A1-6 Radius Concrete Curb Assembly	29.21	12.33
		For Up To 20, Add	*16.69*	
		For >20 To 50, Add	*9.43*	
		For >50 To 100, Add	*3.63*	
		For >500 To 1,000, Deduct	*-3.63*	
		For >1,000, Deduct	*-6.18*	
32 16 13 13-0004	LF	CALTRANs Type A1-8 Straight Concrete Curb Assembly	27.19	10.72
		For Up To 20, Add	*15.89*	
		For >20 To 50, Add	*8.99*	
		For >50 To 100, Add	*3.45*	
		For >500 To 1,000, Deduct	*-3.45*	
		For >1,000, Deduct	*-5.85*	
32 16 13 13-0005	LF	CALTRANs Type A1-8 Radius Concrete Curb Assembly	29.14	12.33
		For Up To 20, Add	*17.22*	
		For >20 To 50, Add	*9.75*	
		For >50 To 100, Add	*3.74*	
		For >500 To 1,000, Deduct	*-3.74*	
		For >1,000, Deduct	*-6.33*	
32 16 13 13-0006	LF	CALTRANs Type A3-6 Straight Concrete Curb Assembly	13.98	7.24
		For Up To 20, Add	*8.16*	
		For >20 To 50, Add	*4.61*	
		For >50 To 100, Add	*1.77*	
		For >500 To 1,000, Deduct	*-1.77*	
		For >1,000, Deduct	*-3.01*	
32 16 13 13-0007	LF	CALTRANs Type A3-6 Radius Concrete Curb Assembly	16.12	8.36
		For Up To 20, Add	*9.65*	
		For >20 To 50, Add	*5.47*	
		For >50 To 100, Add	*2.09*	
		For >500 To 1,000, Deduct	*-2.09*	
		For >1,000, Deduct	*-3.54*	
32 16 13 13-0008	LF	CALTRANs Type A3-8 Straight Concrete Curb Assembly	15.55	7.50
		For Up To 20, Add	*8.90*	
		For >20 To 50, Add	*5.03*	
		For >50 To 100, Add	*1.93*	
		For >500 To 1,000, Deduct	*-1.93*	
		For >1,000, Deduct	*-3.29*	
32 16 13 13-0009	LF	CALTRANs Type A3-8 Radius Concrete Curb Assembly	17.81	9.00
		For Up To 20, Add	*10.48*	
		For >20 To 50, Add	*5.93*	
		For >50 To 100, Add	*2.27*	
		For >500 To 1,000, Deduct	*-2.27*	
		For >1,000, Deduct	*-3.86*	
32 16 13 13-0010	LF	CALTRANs Type B1-4 Straight Concrete Curb Assembly	23.87	10.72
		For Up To 20, Add	*13.34*	
		For >20 To 50, Add	*7.53*	
		For >50 To 100, Add	*2.91*	
		For >500 To 1,000, Deduct	*-2.91*	
		For >1,000, Deduct	*-4.96*	
32 16 13 13-0011	LF	CALTRANs Type B1-4 Straight Concrete Curb Assembly	26.62	12.33
		For Up To 20, Add	*15.24*	
		For >20 To 50, Add	*8.61*	
		For >50 To 100, Add	*3.31*	
		For >500 To 1,000, Deduct	*-3.31*	
		For >1,000, Deduct	*-5.64*	
32 16 13 13-0012	LF	CALTRANs Type B1-6 Straight Concrete Curb Assembly	26.82	10.72
		For Up To 20, Add	*14.74*	
		For >20 To 50, Add	*8.31*	
		For >50 To 100, Add	*3.22*	
		For >500 To 1,000, Deduct	*-3.22*	
		For >1,000, Deduct	*-5.49*	
32 16 13 13-0013	LF	CALTRANs Type B1-6 Radius Concrete Curb Assembly	29.84	12.33
		For Up To 20, Add	*16.82*	
		For >20 To 50, Add	*9.49*	
		For >50 To 100, Add	*3.66*	
		For >500 To 1,000, Deduct	*-3.66*	
		For >1,000, Deduct	*-6.24*	
32 16 13 13-0014	LF	CALTRANs Type B3-4 Straight Concrete Curb Assembly	98.99	6.54
		For Up To 20, Add	*68.02*	
		For >20 To 50, Add	*38.83*	
		For >50 To 100, Add	*14.59*	
		For >500 To 1,000, Deduct	*-14.59*	
		For >1,000, Deduct	*-24.37*	
32 16 13 13-0015	LF	CALTRANs Type B3-4 Radius Concrete Curb Assembly	14.12	7.50
		For Up To 20, Add	*8.61*	
		For >20 To 50, Add	*4.88*	
		For >50 To 100, Add	*1.86*	
		For >500 To 1,000, Deduct	*-1.86*	
		For >1,000, Deduct	*-3.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0016	LF	CALTRANs Type B3-6 Straight Concrete Curb Assembly	13.73	6.75
		For Up To 20, Add	*7.95*	
		For >20 To 50, Add	*4.49*	
		For >50 To 100, Add	*1.73*	
		For >500 To 1,000, Deduct	*-1.73*	
		For >1,000, Deduct	*-2.93*	
32 16 13 13-0017	LF	CALTRANs Type B3-6 Radius Concrete Curb Assembly	15.76	8.14
		For Up To 20, Add	*9.37*	
		For >20 To 50, Add	*5.31*	
		For >50 To 100, Add	*2.03*	
		For >500 To 1,000, Deduct	*-2.03*	
		For >1,000, Deduct	*-3.44*	
32 16 13 13-0018	LF	CALTRANs Type D-4 Straight Concrete Curb Assembly	27.29	10.72
		For Up To 20, Add	*14.03*	
		For >20 To 50, Add	*7.87*	
		For >50 To 100, Add	*3.08*	
		For >500 To 1,000, Deduct	*-3.08*	
		For >1,000, Deduct	*-5.30*	
32 16 13 13-0019	LF	CALTRANs Type D-4 Radius Concrete Curb Assembly	30.04	12.33
		For Up To 20, Add	*15.92*	
		For >20 To 50, Add	*8.95*	
		For >50 To 100, Add	*3.49*	
		For >500 To 1,000, Deduct	*-3.49*	
		For >1,000, Deduct	*-5.98*	
32 16 13 13-0020	LF	CALTRANs Type D-6 Straight Concrete Curb Assembly	32.19	10.72
		For Up To 20, Add	*15.01*	
		For >20 To 50, Add	*8.36*	
		For >50 To 100, Add	*3.32*	
		For >500 To 1,000, Deduct	*-3.32*	
		For >1,000, Deduct	*-5.79*	
32 16 13 13-0021	LF	CALTRANs Type D-6 Radius Concrete Curb Assembly	34.95	12.33
		For Up To 20, Add	*16.91*	
		For >20 To 50, Add	*9.44*	
		For >50 To 100, Add	*3.73*	
		For >500 To 1,000, Deduct	*-3.73*	
		For >1,000, Deduct	*-6.47*	

32 16 13 13-0022 CALTRANs Cast In Place Concrete Curb And Gutter Assemblies *(32 16 13 13)*

Note: Includes concrete, forms, rebar, chairs (where necessary), transitions, expansion joints, finish and curing.

32 16 13 13-0023	LF	CALTRANs Type A2-6 Straight Concrete Curb And Gutter Assembly	54.46	20.47
		For Up To 20, Add	*36.77*	
		For >20 To 50, Add	*20.43*	
		For >50 To 100, Add	*8.17*	
		For >500 To 1,000, Deduct	*-6.82*	
		For >1,000, Deduct	*-11.59*	
		For Mountable Or Rolled Curb And Gutter, Add	*3.35*	
32 16 13 13-0024	LF	CALTRANs Type A2-6 Radius Concrete Curb And Gutter Assembly	58.77	22.62
		For Up To 20, Add	*39.79*	
		For >20 To 50, Add	*22.16*	
		For >50 To 100, Add	*8.82*	
		For >500 To 1,000, Deduct	*-7.46*	
		For >1,000, Deduct	*-12.66*	
		For Mountable Or Rolled Curb And Gutter, Add	*3.78*	
32 16 13 13-0025	LF	CALTRANs Type A2-8 Straight Concrete Curb And Gutter Assembly	58.51	20.47
		For Up To 20, Add	*39.51*	
		For >20 To 50, Add	*21.95*	
		For >50 To 100, Add	*8.78*	
		For >500 To 1,000, Deduct	*-7.33*	
		For >1,000, Deduct	*-12.45*	
		For Mountable Or Rolled Curb And Gutter, Add	*3.60*	
32 16 13 13-0026	LF	CALTRANs Type A2-8 Radius Concrete Curb And Gutter Assembly	63.14	22.62
		For Up To 20, Add	*42.75*	
		For >20 To 50, Add	*23.81*	
		For >50 To 100, Add	*9.47*	
		For >500 To 1,000, Deduct	*-8.02*	
		For >1,000, Deduct	*-13.61*	
		For Mountable Or Rolled Curb And Gutter, Add	*4.06*	
32 16 13 13-0027	LF	CALTRANs Type B2-4 Straight Concrete Curb And Gutter Assembly	30.92	11.74
		For Up To 20, Add	*20.36*	
		For >20 To 50, Add	*11.09*	
		For >50 To 100, Add	*4.64*	
		For >500 To 1,000, Deduct	*-3.36*	
		For >1,000, Deduct	*-5.81*	
		For Mountable Or Rolled Curb And Gutter, Add	*1.10*	
32 16 13 13-0028	LF	CALTRANs Type B2-4 Radius Concrete Curb And Gutter Assembly	32.65	12.92
		For Up To 20, Add	*21.57*	
		For >20 To 50, Add	*11.78*	
		For >50 To 100, Add	*4.90*	
		For >500 To 1,000, Deduct	*-3.61*	
		For >1,000, Deduct	*-6.24*	
		For Mountable Or Rolled Curb And Gutter, Add	*1.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0029	LF	CALTRANs Type B2-6 Straight Concrete Curb And Gutter Assembly	36.64	12.92
		For Up To 20, Add	*24.25*	
		For >20 To 50, Add	*13.26*	
		For >50 To 100, Add	*5.50*	
		For >500 To 1,000, Deduct	*-4.10*	
		For >1,000, Deduct	*-7.06*	
		For Mountable Or Rolled Curb And Gutter, Add	*1.49*	
32 16 13 13-0030	LF	CALTRANs Type B2-6 Radius Concrete Curb And Gutter Assembly	38.78	17.24
		For Up To 20, Add	*25.75*	
		For >20 To 50, Add	*14.11*	
		For >50 To 100, Add	*5.82*	
		For >500 To 1,000, Deduct	*-4.42*	
		For >1,000, Deduct	*-7.59*	
		For Mountable Or Rolled Curb And Gutter, Add	*1.71*	
32 16 13 13-0031	LF	CALTRANs Type B4-6 Straight Concrete Curb And Gutter Assembly	58.21	22.51
		For Up To 20, Add	*39.43*	
		For >20 To 50, Add	*21.97*	
		For >50 To 100, Add	*8.73*	
		For >500 To 1,000, Deduct	*-7.41*	
		For >1,000, Deduct	*-12.58*	
		For Mountable Or Rolled Curb And Gutter, Add	*3.78*	
32 16 13 13-0032	LF	CALTRANs Type B4-6 Radius Concrete Curb And Gutter Assembly	62.30	24.56
		For Up To 20, Add	*42.29*	
		For >20 To 50, Add	*23.60*	
		For >50 To 100, Add	*9.35*	
		For >500 To 1,000, Deduct	*-8.03*	
		For >1,000, Deduct	*-13.60*	
		For Mountable Or Rolled Curb And Gutter, Add	*4.19*	
32 16 13 13-0033	LF	CALTRANs Type E Straight Concrete Curb And Gutter Assembly	62.28	23.70
		For Up To 20, Add	*42.11*	
		For >20 To 50, Add	*23.42*	
		For >50 To 100, Add	*9.34*	
		For >500 To 1,000, Deduct	*-7.85*	
		For >1,000, Deduct	*-13.34*	
		For Mountable Or Rolled Curb And Gutter, Add	*3.92*	
32 16 13 13-0034	LF	CALTRANs Type E Radius Concrete Curb And Gutter Assembly	66.60	25.85
		For Up To 20, Add	*45.13*	
		For >20 To 50, Add	*25.15*	
		For >50 To 100, Add	*9.99*	
		For >500 To 1,000, Deduct	*-8.50*	
		For >1,000, Deduct	*-14.42*	
		For Mountable Or Rolled Curb And Gutter, Add	*4.35*	

32 16 13 13-0035 Cast In Place Concrete Curbs Assemblies *(32 16 13 13)*

Note: Includes delivered concrete, forms, rebar, chairs (where necessary), expansion joints, finish and curing.

32 16 13 13-0036	LF	6" x 12" Cast In Place Concrete Curb	23.27	10.72
		For Mountable Curb, Add	*1.38*	
		For Up To 20, Add	*13.22*	
		For >20 To 50, Add	*7.47*	
		For >50 To 100, Add	*2.88*	
		For >500 To 1,000, Deduct	*-2.88*	
		For >1,000, Deduct	*-4.90*	
32 16 13 13-0037	LF	6" x 12" Cast In Place Concrete Curb - Radius	26.36	12.33
		For Mountable Curb, Add	*1.62*	
		For Up To 20, Add	*15.19*	
		For >20 To 50, Add	*8.59*	
		For >50 To 100, Add	*3.30*	
		For >500 To 1,000, Deduct	*-3.30*	
		For >1,000, Deduct	*-5.61*	
32 16 13 13-0038	LF	6" x 14" Cast In Place Concrete Curb	25.35	10.72
		For Mountable Curb, Add	*1.51*	
		For Up To 20, Add	*14.45*	
		For >20 To 50, Add	*8.16*	
		For >50 To 100, Add	*3.14*	
		For >500 To 1,000, Deduct	*-3.14*	
		For >1,000, Deduct	*-5.35*	
32 16 13 13-0039	LF	6" x 14" Cast In Place Concrete Curb - Radius	28.75	12.33
		For Mountable Curb, Add	*1.78*	
		For Up To 20, Add	*16.60*	
		For >20 To 50, Add	*9.39*	
		For >50 To 100, Add	*3.61*	
		For >500 To 1,000, Deduct	*-3.61*	
		For >1,000, Deduct	*-6.13*	
32 16 13 13-0040	LF	6" x 16" Cast In Place Concrete Curb	27.73	10.72
		For Mountable Curb, Add	*1.63*	
		For Up To 20, Add	*15.73*	
		For >20 To 50, Add	*8.88*	
		For >50 To 100, Add	*3.42*	
		For >500 To 1,000, Deduct	*-3.42*	
		For >1,000, Deduct	*-5.83*	

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LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0041	LF	6" x 16" Cast In Place Concrete Curb - Radius	31.33	16.08
		For Mountable Curb, Add	*1.93*	
		For Up To 20, Add	*18.06*	
		For >20 To 50, Add	*10.21*	
		For >50 To 100, Add	*3.92*	
		For >500 To 1,000, Deduct	*-3.92*	
		For >1,000, Deduct	*-6.67*	
32 16 13 13-0042	LF	6" x 18" Cast In Place Concrete Curb	29.59	10.72
		For Mountable Curb, Add	*1.73*	
		For Up To 20, Add	*16.75*	
		For >20 To 50, Add	*9.46*	
		For >50 To 100, Add	*3.65*	
		For >500 To 1,000, Deduct	*-3.65*	
		For >1,000, Deduct	*-6.21*	
32 16 13 13-0043	LF	6" x 18" Cast In Place Concrete Curb - Radius	33.15	12.33
		For Mountable Curb, Add	*2.00*	
		For Up To 20, Add	*18.96*	
		For >20 To 50, Add	*10.71*	
		For >50 To 100, Add	*4.12*	
		For >500 To 1,000, Deduct	*-4.12*	
		For >1,000, Deduct	*-7.01*	
32 16 13 13-0044	LF	6" x 24" Cast In Place Concrete Curb	33.80	11.79
		For Mountable Curb, Add	*1.83*	
		For Up To 20, Add	*18.67*	
		For >20 To 50, Add	*10.53*	
		For >50 To 100, Add	*4.07*	
		For >500 To 1,000, Deduct	*-4.07*	
		For >1,000, Deduct	*-6.95*	
32 16 13 13-0045	LF	6" x 24" Cast In Place Concrete Curb - Radius	37.56	13.39
		For Mountable Curb, Add	*2.09*	
		For Up To 20, Add	*20.91*	
		For >20 To 50, Add	*11.79*	
		For >50 To 100, Add	*4.56*	
		For >500 To 1,000, Deduct	*-4.56*	
		For >1,000, Deduct	*-7.77*	
32 16 13 13-0046	LF	12" x 24" Cast In Place Concrete Curb	43.46	13.39
		For Mountable Curb, Add	*1.76*	
		For Up To 20, Add	*22.09*	
		For >20 To 50, Add	*12.39*	
		For >50 To 100, Add	*4.85*	
		For >500 To 1,000, Deduct	*-4.85*	
		For >1,000, Deduct	*-8.37*	
32 16 13 13-0047	LF	12" x 24" Cast In Place Concrete Curb - Radius	48.12	15.00
		For Mountable Curb, Add	*2.00*	
		For Up To 20, Add	*24.63*	
		For >20 To 50, Add	*13.82*	
		For >50 To 100, Add	*5.41*	
		For >500 To 1,000, Deduct	*-5.41*	
		For >1,000, Deduct	*-9.31*	
32 16 13 13-0048	EA	Additional Finish For Handicap Drop Section In Curb	80.37	

32 16 13 13-0049 Cast In Place Concrete Curb And Gutter Assemblies *(32 16 13 13)*

Note: Includes concrete, forms, rebar, chairs (where necessary), transitions, expansion joints, finish and curing.

32 16 13 13-0050	LF	6" x 12" Cast In Place Concrete Gutter With 6" Curb And Face - Straight	31.03	12.92
		For Up To 20, Add	*20.88*	
		For >20 To 50, Add	*11.57*	
		For >50 To 100, Add	*4.65*	
		For >500 To 1,000, Deduct	*-3.81*	
		For >1,000, Deduct	*-6.50*	
		For Mountable Or Rolled Curb And Gutter, Add	*1.80*	
32 16 13 13-0051	LF	6" x 12" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	33.61	17.24
		For Up To 20, Add	*22.64*	
		For >20 To 50, Add	*12.56*	
		For >50 To 100, Add	*5.04*	
		For >500 To 1,000, Deduct	*-4.16*	
		For >1,000, Deduct	*-7.08*	
		For Mountable Or Rolled Curb And Gutter, Add	*1.99*	
32 16 13 13-0052	LF	6" x 18" Cast In Place Concrete Gutter With 6" Curb And Face - Straight	38.78	14.33
		For Up To 20, Add	*26.12*	
		For >20 To 50, Add	*14.49*	
		For >50 To 100, Add	*5.82*	
		For >500 To 1,000, Deduct	*-4.79*	
		For >1,000, Deduct	*-8.16*	
		For Mountable Or Rolled Curb And Gutter, Add	*2.29*	
32 16 13 13-0053	LF	6" x 18" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	42.60	15.95
		For Up To 20, Add	*28.74*	
		For >20 To 50, Add	*15.96*	
		For >50 To 100, Add	*6.39*	
		For >500 To 1,000, Deduct	*-5.31*	
		For >1,000, Deduct	*-9.03*	
		For Mountable Or Rolled Curb And Gutter, Add	*2.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0054	LF	6" x 24" Cast In Place Concrete Gutter With 6" Curb And Face - Straight	46.53	17.24
		For Up To 20, Add	*31.36*	
		For >20 To 50, Add	*17.41*	
		For >50 To 100, Add	*6.98*	
		For >500 To 1,000, Deduct	*-5.77*	
		For >1,000, Deduct	*-9.82*	
		For Mountable Or Rolled Curb And Gutter, Add	*2.78*	
32 16 13 13-0055	LF	6" x 24" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	51.56	19.39
		For Up To 20, Add	*34.81*	
		For >20 To 50, Add	*19.34*	
		For >50 To 100, Add	*7.73*	
		For >500 To 1,000, Deduct	*-6.45*	
		For >1,000, Deduct	*-10.97*	
		For Mountable Or Rolled Curb And Gutter, Add	*3.17*	
32 16 13 13-0056	LF	6" x 24" Cast In Place Concrete Gutter With 6" Curb And 8" Face - Straight	48.78	17.24
		For Up To 20, Add	*32.89*	
		For >20 To 50, Add	*18.25*	
		For >50 To 100, Add	*7.32*	
		For >500 To 1,000, Deduct	*-6.06*	
		For >1,000, Deduct	*-10.31*	
		For Mountable Or Rolled Curb And Gutter, Add	*2.93*	
		For Tapered Gutter With Level Bottom (Type A2-6 Or 8), Add	*1.26*	
32 16 13 13-0057	LF	6" x 24" Cast In Place Concrete Gutter With 6" Curb And 8" Face - Radius	54.08	19.39
		For Up To 20, Add	*36.52*	
		For >20 To 50, Add	*20.30*	
		For >50 To 100, Add	*8.11*	
		For >500 To 1,000, Deduct	*-6.78*	
		For >1,000, Deduct	*-11.52*	
		For Mountable Or Rolled Curb And Gutter, Add	*3.34*	
		For Tapered Gutter With Level Bottom (Type A2-6 Or 8), Add	*1.34*	
32 16 13 13-0058	LF	6" x 30" Cast In Place Concrete Gutter With 6" Curb And Face - Straight	54.83	20.47
		For Up To 20, Add	*36.99*	
		For >20 To 50, Add	*20.54*	
		For >50 To 100, Add	*8.22*	
		For >500 To 1,000, Deduct	*-6.83*	
		For >1,000, Deduct	*-11.62*	
		For Mountable Or Rolled Curb And Gutter, Add	*3.33*	
32 16 13 13-0059	LF	6" x 30" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	60.02	22.62
		For Up To 20, Add	*40.54*	
		For >20 To 50, Add	*22.53*	
		For >50 To 100, Add	*9.00*	
		For >500 To 1,000, Deduct	*-7.53*	
		For >1,000, Deduct	*-12.79*	
		For Mountable Or Rolled Curb And Gutter, Add	*3.71*	
32 16 13 13-0060	LF	6" x 36" Cast In Place Concrete Gutter With 6" Curb And Face - Straight	63.13	23.70
		For Up To 20, Add	*42.62*	
		For >20 To 50, Add	*23.68*	
		For >50 To 100, Add	*9.47*	
		For >500 To 1,000, Deduct	*-7.90*	
		For >1,000, Deduct	*-13.42*	
		For Mountable Or Rolled Curb And Gutter, Add	*3.87*	
32 16 13 13-0061	LF	6" x 36" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	68.48	25.85
		For Up To 20, Add	*46.26*	
		For >20 To 50, Add	*25.72*	
		For >50 To 100, Add	*10.27*	
		For >500 To 1,000, Deduct	*-8.60*	
		For >1,000, Deduct	*-14.60*	
		For Mountable Or Rolled Curb And Gutter, Add	*4.25*	
32 16 13 13-0062	LF	6" x 42" Cast In Place Concrete Gutter With 6" Curb And Face - Straight	71.42	26.93
		For Up To 20, Add	*48.24*	
		For >20 To 50, Add	*26.81*	
		For >50 To 100, Add	*10.71*	
		For >500 To 1,000, Deduct	*-8.96*	
		For >1,000, Deduct	*-15.22*	
		For Mountable Or Rolled Curb And Gutter, Add	*4.42*	
32 16 13 13-0063	LF	6" x 42" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	79.07	30.16
		For Up To 20, Add	*53.47*	
		For >20 To 50, Add	*29.75*	
		For >50 To 100, Add	*11.86*	
		For >500 To 1,000, Deduct	*-9.99*	
		For >1,000, Deduct	*-16.96*	
		For Mountable Or Rolled Curb And Gutter, Add	*5.00*	

32 16 13 13-0064 Curb And Parkway Drains *(32 16 13 13)*

Note: Includes concrete, forms, rebar, expansion joints, finish and curing.

32 16 13 13-0065	EA	Case I Inlet Structure For Curb Drain	2,364.74
32 16 13 13-0066	EA	Case II Inlet Structure For Curb Drain	2,820.16
32 16 13 13-0067	EA	Up To 30" Wide Inlet Type I Structure For Parkway Drain	2,428.48
32 16 13 13-0068	EA	36" Wide Inlet Type I Structure For Parkway Drain	2,476.27
32 16 13 13-0069	EA	42" Wide Inlet Type I Structure For Parkway Drain	2,524.98
32 16 13 13-0070	EA	48" Wide Inlet Type I Structure For Parkway Drain	2,569.15
32 16 13 13-0071	EA	54" Wide Inlet Type I Structure For Parkway Drain	2,638.86
32 16 13 13-0072	EA	60" Wide Inlet Type I Structure For Parkway Drain	2,690.69
32 16 13 13-0073	EA	66" Wide Inlet Type I Structure For Parkway Drain	2,737.64
32 16 13 13-0074	EA	72" Wide Inlet Type I Structure For Parkway Drain	2,787.03

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0075	LF	Up To 30" Wide x 4" Concrete Duct For Parkway Drain	156.40	
32 16 13 13-0076	LF	42" Wide x 4" Concrete Duct For Parkway Drain	177.95	
32 16 13 13-0077	LF	48" Wide x 4" Concrete Duct For Parkway Drain	199.51	
32 16 13 13-0078	LF	54" Wide x 4" Concrete Duct For Parkway Drain	221.05	
32 16 13 13-0079	LF	60" Wide x 4" Concrete Duct For Parkway Drain	242.62	
32 16 13 13-0080	LF	66" Wide x 4" Concrete Duct For Parkway Drain	264.17	
32 16 13 13-0081	LF	72" Wide x 4" Concrete Duct For Parkway Drain	285.71	

32 16 13 14 Machine Formed, Slip Form Curbs *(32 16 13)*

Note: Includes delivered concrete, steel, expansion joints and finish.

32 16 13 14-0001 Curbs, Machine Formed, Slip Form *(32 16 13 14)*

Note: Includes delivered concrete, steel, expansion joints and finish.

32 16 13 14-0002	EA	Machine Formed Concrete Curb Minimum Set-Up Charge (One Time Per Job) Note: For projects where the total curbing charge is less than the minimum set-up charge, use this task exclusively. This task shall not be used in conjunction with any other tasks in this section.	1,594.49	
32 16 13 14-0003	LF	6" x 12" Straight Concrete Curb, Machine Formed	13.82	
32 16 13 14-0004	LF	6" x 12" Curved Concrete Curb, Machine Formed	18.74	
32 16 13 14-0005	LF	6" x 18" Straight Concrete Curb, Machine Formed	18.26	
32 16 13 14-0006	LF	6" x 18" Curved Concrete Curb, Machine Formed	24.01	

32 16 13 16 Steel Faced Curbs *(32 16 13)*

Note: Fabrication includes handicap and other curb access cuts.

32 16 13 16-0001 Sidewalk/Curb Facing *(32 16 13 16)*

Note: Fabrication includes handicap and other curb access cuts.

32 16 13 16-0002	LF	3" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	17.43	5.87
		For Curved Section, Add	*3.94*	
32 16 13 16-0003	LF	4" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	19.22	6.67
		For Curved Section, Add	*4.43*	
32 16 13 16-0004	LF	6" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	25.67	7.47
		For Curved Section, Add	*5.38*	
32 16 13 16-0005	LF	8" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	31.36	8.41
		For Curved Section, Add	*6.27*	
32 16 13 16-0006	LF	10" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	38.20	9.21
		For Curved Section, Add	*7.27*	
32 16 13 16-0007	LF	12" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	49.90	11.74
		For Curved Section, Add	*9.37*	
32 16 13 16-0008	LF	13" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	57.80	15.21
		For Curved Section, Add	*11.46*	
32 16 13 16-0009	EA	Sidewalk/Curb Steel Facing, Pedestrian Ramps, Two Drops Per Section	178.10	

32 16 13 19 Cast-In-Place Concrete Drainage Ditches *(32 16 13)*

Note: Includes concrete, forms, rebar (where required), rebar chairs (where necessary), expansion joints, finish and curing.

32 16 13 19-0001 Gutter Intersections *(32 16 13 19)*

Note: Assembly includes installation, concrete, forms, rebar, expansion joints, finish and curing.

32 16 13 19-0002	EA	Cast In Place Concrete Cross Gutter At T Section	1,236.05
32 16 13 19-0003	EA	8' Cast In Place Concrete Alley Intersection Or Typical Cross Gutter	1,492.17
32 16 13 19-0004	EA	10' Cast In Place Concrete Alley Intersection Or Typical Cross Gutter	2,331.53
32 16 13 19-0005	EA	15' Cast In Place Concrete Alley Intersection Or Typical Cross Gutter	5,245.92
32 16 13 19-0006	EA	20' Cast In Place Concrete Alley Intersection Or Typical Cross Gutter	9,326.08
32 16 13 19-0007	EA	25' Cast In Place Concrete Alley Intersection Or Typical Cross Gutter	14,572.00
32 16 13 19-0008	EA	30' Cast In Place Concrete Alley Intersection Or Typical Cross Gutter	20,983.68

32 16 13 19-0009 Valley Gutter, Cast In Place *(32 16 13 19)*

Note: Includes concrete, forms, rebar, expansion joints, finish and curing.

32 16 13 19-0010	LF	1' Wide Cast In Place Concrete Valley Gutter, 6" Thick	17.26	
32 16 13 19-0011	LF	2' Wide Cast In Place Concrete Valley Gutter, 6" Thick	24.36	
		For Up To 20, Add	*11.24*	
		For >20 To 50, Add	*6.26*	
		For >50 To 100, Add	*2.49*	
		For >500 To 1,000, Deduct	*-2.49*	
		For >1,000, Deduct	*-4.35*	
32 16 13 19-0012	LF	2-1/2' Wide Cast In Place Concrete Valley Gutter, 6" Thick	29.85	
		For Up To 20, Add	*13.64*	
		For >20 To 50, Add	*7.58*	
		For >50 To 100, Add	*3.03*	
		For >500 To 1,000, Deduct	*-3.03*	
		For >1,000, Deduct	*-5.28*	
32 16 13 19-0013	LF	3' Wide Cast In Place Concrete Valley Gutter, 6" Thick	35.29	
		For Up To 20, Add	*15.99*	
		For >20 To 50, Add	*8.89*	
		For >50 To 100, Add	*3.55*	
		For >500 To 1,000, Deduct	*-3.55*	
		For >1,000, Deduct	*-6.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 19-0014	LF	3-1/2' Wide Cast In Place Concrete Valley Gutter, 6" Thick	40.70	
		For Up To 20, Add	*18.33*	
		For >20 To 50, Add	*10.18*	
		For >50 To 100, Add	*4.07*	
		For >500 To 1,000, Deduct	*-4.07*	
		For >1,000, Deduct	*-7.13*	
32 16 13 19-0015	LF	4' Wide Cast In Place Concrete Valley Gutter, 6" Thick	46.13	
		For Up To 20, Add	*20.68*	
		For >20 To 50, Add	*11.48*	
		For >50 To 100, Add	*4.60*	
		For >500 To 1,000, Deduct	*-4.60*	
		For >1,000, Deduct	*-8.05*	
32 16 13 19-0016	LF	5' Wide Cast In Place Concrete Valley Gutter, 6" Thick	54.80	
		For Up To 20, Add	*23.84*	
		For >20 To 50, Add	*13.21*	
		For >50 To 100, Add	*5.32*	
		For >500 To 1,000, Deduct	*-5.32*	
		For >1,000, Deduct	*-9.34*	
32 16 13 19-0017	LF	6' Wide Cast In Place Concrete Valley Gutter, 6" Thick	63.13	
		For Up To 20, Add	*26.77*	
		For >20 To 50, Add	*14.80*	
		For >50 To 100, Add	*5.99*	
		For >500 To 1,000, Deduct	*-5.99*	
		For >1,000, Deduct	*-10.56*	
32 16 13 19-0018	SF	>6' Wide Cast In Place Concrete Valley Gutter, 6" Thick	10.52	
		For Up To 100, Add	*4.46*	
		For >100 To 250, Add	*2.47*	
		For >250 To 500, Add	*1.00*	
		For >2,500 To 5,000, Deduct	*-1.00*	
		For >5,000, Deduct	*-1.76*	
32 16 13 19-0019	LF	1' Wide Cast In Place Concrete Valley Gutter, 7" Thick	18.75	
		For Up To 20, Add	*9.79*	
		For >20 To 50, Add	*5.50*	
		For >50 To 100, Add	*2.14*	
		For >500 To 1,000, Deduct	*-2.14*	
		For >1,000, Deduct	*-3.69*	
32 16 13 19-0020	LF	2' Wide Cast In Place Concrete Valley Gutter, 7" Thick	26.77	
		For Up To 20, Add	*12.06*	
		For >20 To 50, Add	*6.70*	
		For >50 To 100, Add	*2.68*	
		For >500 To 1,000, Deduct	*-2.68*	
		For >1,000, Deduct	*-4.69*	
32 16 13 19-0021	LF	2-1/2' Wide Cast In Place Concrete Valley Gutter, 7" Thick	33.07	
		For Up To 20, Add	*14.79*	
		For >20 To 50, Add	*8.22*	
		For >50 To 100, Add	*3.29*	
		For >500 To 1,000, Deduct	*-3.29*	
		For >1,000, Deduct	*-5.76*	
32 16 13 19-0022	LF	3' Wide Cast In Place Concrete Valley Gutter, 7" Thick	38.89	
		For Up To 20, Add	*17.20*	
		For >20 To 50, Add	*9.54*	
		For >50 To 100, Add	*3.83*	
		For >500 To 1,000, Deduct	*-3.83*	
		For >1,000, Deduct	*-6.72*	
32 16 13 19-0023	LF	3-1/2' Wide Cast In Place Concrete Valley Gutter, 7" Thick	44.90	
		For Up To 20, Add	*19.74*	
		For >20 To 50, Add	*10.94*	
		For >50 To 100, Add	*4.40*	
		For >500 To 1,000, Deduct	*-4.40*	
		For >1,000, Deduct	*-7.72*	
32 16 13 19-0024	LF	4' Wide Cast In Place Concrete Valley Gutter, 7" Thick	50.90	
		For Up To 20, Add	*22.27*	
		For >20 To 50, Add	*12.34*	
		For >50 To 100, Add	*4.96*	
		For >500 To 1,000, Deduct	*-4.96*	
		For >1,000, Deduct	*-8.72*	
32 16 13 19-0025	LF	5' Wide Cast In Place Concrete Valley Gutter, 7" Thick	60.59	
		For Up To 20, Add	*25.71*	
		For >20 To 50, Add	*14.21*	
		For >50 To 100, Add	*5.75*	
		For >500 To 1,000, Deduct	*-5.75*	
		For >1,000, Deduct	*-10.14*	
32 16 13 19-0026	LF	6' Wide Cast In Place Concrete Valley Gutter, 7" Thick	69.96	
		For Up To 20, Add	*28.92*	
		For >20 To 50, Add	*15.95*	
		For >50 To 100, Add	*6.48*	
		For >500 To 1,000, Deduct	*-6.48*	
		For >1,000, Deduct	*-11.48*	
32 16 13 19-0027	SF	>6' Wide Cast In Place Concrete Valley Gutter, 7" Thick	11.66	
		For Up To 100, Add	*4.82*	
		For >100 To 250, Add	*2.66*	
		For >250 To 500, Add	*1.08*	
		For >2,500 To 5,000, Deduct	*-1.08*	
		For >5,000, Deduct	*-1.91*	
32 16 13 19-0028	LF	1' Wide Cast In Place Concrete Valley Gutter, 8" Thick	19.14	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 19-0029	LF	2' Wide Cast In Place Concrete Valley Gutter, 8" Thick	26.94	
		For Up To 20, Add	*12.44*	
		For >20 To 50, Add	*6.93*	
		For >50 To 100, Add	*2.76*	
		For >500 To 1,000, Deduct	*-2.76*	
		For >1,000, Deduct	*-4.81*	
32 16 13 19-0030	LF	2-1/2' Wide Cast In Place Concrete Valley Gutter, 8" Thick	33.06	
		For Up To 20, Add	*15.12*	
		For >20 To 50, Add	*8.41*	
		For >50 To 100, Add	*3.36*	
		For >500 To 1,000, Deduct	*-3.36*	
		For >1,000, Deduct	*-5.86*	
32 16 13 19-0031	LF	3' Wide Cast In Place Concrete Valley Gutter, 8" Thick	39.08	
		For Up To 20, Add	*17.73*	
		For >20 To 50, Add	*9.86*	
		For >50 To 100, Add	*3.94*	
		For >500 To 1,000, Deduct	*-3.94*	
		For >1,000, Deduct	*-6.88*	
32 16 13 19-0032	LF	3-1/2' Wide Cast In Place Concrete Valley Gutter, 8" Thick	45.10	
		For Up To 20, Add	*20.34*	
		For >20 To 50, Add	*11.30*	
		For >50 To 100, Add	*4.52*	
		For >500 To 1,000, Deduct	*-4.52*	
		For >1,000, Deduct	*-7.91*	
32 16 13 19-0033	LF	4' Wide Cast In Place Concrete Valley Gutter, 8" Thick	51.12	
		For Up To 20, Add	*22.95*	
		For >20 To 50, Add	*12.75*	
		For >50 To 100, Add	*5.10*	
		For >500 To 1,000, Deduct	*-5.10*	
		For >1,000, Deduct	*-8.93*	
32 16 13 19-0034	LF	5' Wide Cast In Place Concrete Valley Gutter, 8" Thick	60.72	
32 16 13 19-0035	LF	6' Wide Cast In Place Concrete Valley Gutter, 8" Thick	69.93	
32 16 13 19-0036	SF	>6' Wide Cast In Place Concrete Valley Gutter, 8" Thick	11.66	
		For Up To 100, Add	*4.95*	
		For >100 To 250, Add	*2.74*	
		For >250 To 500, Add	*1.11*	
		For >2,500 To 5,000, Deduct	*-1.11*	
		For >5,000, Deduct	*-1.95*	

32 16 13 23 Precast Concrete Curbs and Gutters *(32 16 13)*

32 16 13 23-0001 Precast Concrete Curb *(32 16 13 23)*

32 16 13 23-0002	LF	6" Precast Concrete Curb With 6" Face (Type C1-6) Note: Grouted #4 x 10" rebar at 4' on center.	23.67	11.32
		For 8:12 Batter (Type C2-6), Add	*1.24*	
32 16 13 23-0003	LF	6" Precast Concrete Curb With 8" Face (Type C1-8) Note: Grouted #4 x 10" rebar at 4' on center.	26.04	11.32
32 16 13 23-0004	LF	6" x 18" Precast Concrete Curb	47.34	11.32
32 16 13 23-0005	LF	6" x 18" Precast Concrete Curb, Radius	56.45	13.01
32 16 13 23-0006	LF	6" x 20" Precast Concrete Curb	50.16	11.32
32 16 13 23-0007	LF	6" x 20" Precast Concrete Curb, Radius	60.18	13.01
32 16 13 23-0008	LF	7" x 18" Precast Concrete Curb	51.45	11.32
32 16 13 23-0009	LF	7" x 18" Precast Concrete Curb, Radius	61.67	13.01
32 16 13 23-0010	LF	7" x 20" Precast Concrete Curb	54.65	11.32
32 16 13 23-0011	LF	7" x 20" Precast Concrete Curb, Radius	65.73	13.01

32 16 13 33 Asphalt Curbs *(32 16 13)*

32 16 13 33-0001 Asphalt Curbs *(32 16 13 33)*

32 16 13 33-0002	LF	6" Wide x 6" High Asphalt Curb 64 LF/TON, Bituminous, Plain	14.58	6.00
32 16 13 33-0003	LF	8" Wide x 6" High Asphalt Curb 50 LF/TON, Bituminous, Plain	16.41	6.67
32 16 13 33-0004	LF	8" Wide x 8" High Asphalt Curb 44 LF/TON, Bituminous, Plain	18.08	7.34

32 16 13 43 Stone Curbs *(32 16 13)*

32 16 13 43-0001 Remove And Reset Stone And Precast Curbing *(32 16 13 43)*

Note: Includes storage and cleaning.

32 16 13 43-0002	LF	Removal And Resetting Of Stone Or Precast Curbing Note: Includes storage and cleaning.	36.73	

32 16 23 Sidewalks *(32 16)*

32 16 23 00-0001 Cast In Place Concrete Sidewalk Assemblies *(32 16 23)*

Note: Includes finish grading, delivered concrete (up to 3500 PSI) by chute, formwork, 1/4" radius joints and edges, polyethylene sheeting, control joints, expansion joints, sealer, screed, broom finish, and curing. Excludes excavation, base, base compaction and welded wire reinforcement. For bar or fiber reinforcing, add bar or fiber reinforcing tasks. See CSI section 02 41 13 13-0000 for sidewalk removal, 03 05 13 00-0001 for color additive, 03 21 00 00-0000 for reinforcing steel, 03 31 13 00-0079 for buggies, 03 31 13 00-0086 for small quantity purchases, 03 37 16 00-0001 for pumping with boom truck, 31 23 16 36-0000 for excavation, 32 11 23 16-0001 for base course.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 23 00-0002	SF	4" Cast In Place Concrete Sidewalk	9.37	
		For Up To 100, Add	*4.00*	
		For >100 To 500, Add	*1.13*	
		For >2,000 To 5,000, Deduct	*-0.50*	
		For >5,000 To 10,000, Deduct	*-1.13*	
		For >10,000 To 20,000, Deduct	*-1.53*	
		For >20,000, Deduct	*-1.93*	
		For 3,500 PSI Concrete, Add	*0.13*	
		For 4,000 PSI Concrete, Add	*0.22*	
		For 4,500 PSI Concrete, Add	*0.26*	
		For Welded Wire Reinforcement, Add	*0.85*	
32 16 23 00-0003	SF	5" Cast In Place Concrete Sidewalk	10.23	
		For Up To 100, Add	*4.27*	
		For >100 To 500, Add	*1.20*	
		For >2,000 To 5,000, Deduct	*-0.51*	
		For >5,000 To 10,000, Deduct	*-1.20*	
		For >10,000 To 20,000, Deduct	*-1.62*	
		For >20,000, Deduct	*-2.05*	
		For 3,500 PSI Concrete, Add	*0.16*	
		For 4,000 PSI Concrete, Add	*0.27*	
		For 4,500 PSI Concrete, Add	*0.31*	
		For Welded Wire Reinforcement, Add	*0.85*	
32 16 23 00-0004	SF	6" Cast In Place Concrete Sidewalk	11.11	
		For Up To 100, Add	*4.56*	
		For >100 To 500, Add	*1.27*	
		For >2,000 To 5,000, Deduct	*-0.53*	
		For >5,000 To 10,000, Deduct	*-1.27*	
		For >10,000 To 20,000, Deduct	*-1.72*	
		For >20,000, Deduct	*-2.18*	
		For 3,500 PSI Concrete, Add	*0.18*	
		For 4,000 PSI Concrete, Add	*0.32*	
		For 4,500 PSI Concrete, Add	*0.37*	
		For Welded Wire Reinforcement, Add	*0.85*	
32 16 23 00-0005	SF	7" Cast In Place Concrete Sidewalk	12.90	
		For Up To 100, Add	*5.24*	
		For >100 To 500, Add	*1.45*	
		For >2,000 To 5,000, Deduct	*-0.60*	
		For >5,000 To 10,000, Deduct	*-1.45*	
		For >10,000 To 20,000, Deduct	*-1.97*	
		For >20,000, Deduct	*-2.50*	
		For 3,500 PSI Concrete, Add	*0.22*	
		For 4,000 PSI Concrete, Add	*0.39*	
		For 4,500 PSI Concrete, Add	*0.45*	
		For Welded Wire Reinforcement, Add	*0.85*	
32 16 23 00-0006	SF	8" Cast In Place Concrete Sidewalk	13.68	
		For Up To 100, Add	*5.47*	
		For >100 To 500, Add	*1.51*	
		For >2,000 To 5,000, Deduct	*-0.62*	
		For >5,000 To 10,000, Deduct	*-1.51*	
		For >10,000 To 20,000, Deduct	*-2.05*	
		For >20,000, Deduct	*-2.60*	
		For 3,500 PSI Concrete, Add	*0.25*	
		For 4,000 PSI Concrete, Add	*0.44*	
		For 4,500 PSI Concrete, Add	*0.51*	
		For Welded Wire Reinforcement, Add	*0.85*	
32 16 23 00-0007	SF	For Exposed Aggregate Finish In Sidewalk	2.54	
32 16 23 00-0008	EA	Finish Concrete Handicap Drop Section In Sidewalk Note: Excludes patterned (tactile) finish.	152.55	
32 16 23 00-0009	LF	For Hand Trowel Finish At Sidewalk Edges (Picture Frame)	2.54	

32 16 23 00-0010 Bituminous Sidewalk Assemblies *(32 16 23)*

Note: Includes finish grading, delivered asphalt, formwork, control joints, expansion joints, and compaction. Excludes excavation, base, and base compaction. See CSI section 31 00 00 00-0000 for excavation, 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course.

32 16 23 00-0011	SY	1" Bituminous Sidewalk	10.58	
		For Up To 100, Add	*3.99*	
		For >100 To 500, Add	*1.07*	
		For >1,000 To 5,000, Deduct	*-0.54*	
		For >5,000, Deduct	*-1.07*	
32 16 23 00-0012	SY	1-1/2" Bituminous Sidewalk	13.26	
		For Up To 100, Add	*4.92*	
		For >100 To 500, Add	*1.31*	
		For >1,000 To 5,000, Deduct	*-0.64*	
		For >5,000, Deduct	*-1.31*	
32 16 23 00-0013	SY	2" Bituminous Sidewalk	18.37	
		For Up To 100, Add	*6.59*	
		For >100 To 500, Add	*1.72*	
		For >1,000 To 5,000, Deduct	*-0.80*	
		For >5,000, Deduct	*-1.72*	
32 16 23 00-0014	SY	2-1/2" Bituminous Sidewalk	22.96	
		For Up To 100, Add	*8.21*	
		For >100 To 500, Add	*2.14*	
		For >1,000 To 5,000, Deduct	*-0.99*	
		For >5,000, Deduct	*-2.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 23 00-0015	SY	3" Bituminous Sidewalk	26.41	
		For Up To 100, Add	*9.28*	
		For >100 To 500, Add	*2.39*	
		For >1,000 To 5,000, Deduct	*-1.07*	
		For >5,000, Deduct	*-2.39*	
32 16 23 00-0016	SY	3-1/2" Bituminous Sidewalk	30.49	
		For Up To 100, Add	*10.57*	
		For >100 To 500, Add	*2.70*	
		For >1,000 To 5,000, Deduct	*-1.18*	
		For >5,000, Deduct	*-2.70*	

32 16 43 Asphalt Dike *(32 16)*

32 16 43 00-0001 Asphalt Dike *(32 16 43)*

32 16 43 00-0002	LF	Type A, Asphalt Dike, 11" Base, 5" Top, 6" Height	7.73	
32 16 43 00-0003	LF	Type B, Asphalt Dike, 13" Base, 5" Top, 8" Height	10.59	
32 16 43 00-0004	LF	Type C-6, Asphalt Dike, 18" Base, 6" Top, 6" Height	10.59	
32 16 43 00-0005	LF	Type C-8, Asphalt Dike, 22" Base, 6" Top, 8" Height	15.13	
32 16 43 00-0006	LF	Type C-9, Asphalt Dike, 24" Base, 6" Top, 9" Height	17.93	
32 16 43 00-0007	LF	Type D, Asphalt Dike, 8" Base, 4" Top, 2" Height	4.09	
32 16 43 00-0008	LF	Type E, Mountable Asphalt Dike, 16" Base, 12" Top, 2" Height Front, 6" Height Back	10.98	
32 16 43 00-0009	LF	Type F, Mountable Asphalt Dike, 26" Base, 20" Top, 2" Height Front, 8" Height Back	16.97	
32 16 43 00-0010	LF	CALTRANS Type A, Asphalt Dike, 11" Base, 5" Top, 6" Height	7.73	
32 16 43 00-0011	LF	CALTRANS Type C, Asphalt Dike, 8" Base, 4" Top, 2" Height	4.09	
32 16 43 00-0012	LF	CALTRANS Type D, Mountable Asphalt Dike, 26" Base, 20" Top, 2" Height Front, 8" Height Back	16.97	
32 16 43 00-0013	LF	CALTRANS Type E, Mountable Asphalt Dike, 16" Base, 12" Top, 2" Height Front, 6" Height Back	10.98	
32 16 43 00-0014	LF	CALTRANS Type F, Asphalt Dike, 8" Base, 4" Top, 4" Height	5.99	

32 17 Paving Specialties *(32 10)*

32 17 13 Parking Bumpers *(32 17)*

Note: Includes dowels set.

32 17 13 16 Plastic Parking Bumpers *(32 17 13)*

32 17 13 16-0001	EA	4" x 6" x 4' Recycled Plastic Wheel Stop	181.46	8.28
32 17 13 16-0002	EA	4" x 6" x 6' Recycled Plastic Wheel Stop	205.29	8.28

32 17 13 19 Precast Concrete Parking Bumpers *(32 17 13)*

32 17 13 19-0001	EA	6" x 8" x 4' Precast Concrete Wheel Stop With Dowels	75.81	24.93
32 17 13 19-0002	EA	6" x 6" x 6' Precast Concrete Wheel Stop With Dowels	86.20	24.93
32 17 13 19-0003	EA	6" x 8" x 6' Precast Concrete Wheel Stop With Dowels	89.80	24.93
32 17 13 19-0004	EA	6" x 10" x 6' Precast Concrete Wheel Stop With Dowels	93.87	24.93
32 17 13 19-0005	EA	4-7/8" x 7-5/8" x 6' Precast Concrete Wheel Stop With Dowels	87.82	24.93
32 17 13 19-0006	EA	8" x 13" x 6' Precast Concrete Wheel Stop With Dowels	110.27	24.93
32 17 13 19-0007	EA	Removal And Relocation Of Precast Concrete Wheel Stop	39.90	
32 17 13 19-0008	EA	Removal And Relocation Of Plastic Or Wood Wheel Stop	25.94	

32 17 13 23 Rubber Parking Bumpers *(32 17 13)*

32 17 13 23-0001	EA	3' Recycled Rubber Wheel Stop	32.50	8.28
32 17 13 23-0002	EA	4' Recycled Rubber Wheel Stop	37.45	8.28
32 17 13 23-0003	EA	5' Recycled Rubber Wheel Stop	39.43	8.28
32 17 13 23-0004	EA	6' Recycled Rubber Wheel Stop	42.39	8.28

32 17 13 26 Wood Parking Bumpers *(32 17 13)*

32 17 13 26-0001	LF	4" x 4" Timber Barrier With Saddles For Cars, Pressure Treated	10.77	2.00
32 17 13 26-0002	LF	6" x 6" Timber Barriers With Saddle For Trucks, Pressure Treated	13.60	2.00

32 17 16 Manufactured Traffic-Calming Devices *(32 17)*

32 17 16 00-0001 Modular Rubber Speed Tables *(32 17 16)*

Note: 3" high flat-topped speed humps, 18" x 42" modular rubber construction. Trafficlogix.

32 17 16 00-0002	SF	Up To 24' Road Width x 7' Run Modular Rubber Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	67.51
32 17 16 00-0003	SF	Up To 24' Road Width x 14' Run Modular Rubber Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	58.98
32 17 16 00-0004	SF	Up To 24' Road Width x 21' Run Modular Rubber Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	55.41
32 17 16 00-0005	SF	>24' To 30' Road Width x 7' Run Modular Rubber Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	64.61
32 17 16 00-0006	SF	>24' To 30' Road Width x 14' Run Modular Rubber Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	56.88

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 16 00-0007	SF	>24' To 30' Road Width x 21' Run Modular Rubber Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	53.73	
32 17 16 00-0008	SF	>30' To 40' Road Width x 7' Run Modular Rubber Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	61.75	
32 17 16 00-0009	SF	>30' To 40' Road Width x 14' Run Modular Rubber Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	55.22	
32 17 16 00-0010	SF	>30' To 40' Road Width x 21' Run Modular Rubber Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	52.35	
32 17 16 00-0011		Asphalt Speed Table *(32 17 16)* Note: Excludes pavement markings or reflectors.		
32 17 16 00-0012	LF	Up to 36" Run, Asphalt Speed Table With 3" Center Crown Note: Tapered on edges to roadway.	41.73	
32 17 16 00-0013	LF	>36" To 48" Run, Asphalt Speed Table With 3" Center Crown Note: Tapered on edges to roadway.	49.23	
32 17 16 00-0014	LF	Up to 36" Run, Asphalt Speed Table With 4" Center Crown Note: Tapered on edges to roadway.	52.44	
32 17 16 00-0015	LF	>36" To 48" Run, Asphalt Speed Table With 4" Center Crown Note: Tapered on edges to roadway.	61.90	
32 17 16 00-0016	LF	Up to 36" Run, Asphalt Speed Table With 6" Center Crown Note: Tapered on edges to roadway.	64.22	
32 17 16 00-0017	LF	>36" To 48" Run, Asphalt Speed Table With 6" Center Crown Note: Tapered on edges to roadway.	71.71	
32 17 16 00-0018		Speed Bumps *(32 17 16)* Note: Excludes pavement markings or reflectors.		
32 17 16 00-0019	LF	2-1/4" High x 10-1/2" Wide, Asphalt Speed Bump	39.60	1.95
32 17 16 00-0020	LF	2-1/4" High x 12" Wide, Recycled Rubber Speed Bump	30.06	1.29
32 17 16 00-0021	LF	2-5/8" High x 12" Wide, Recycled Plastic Speed Bump	157.28	1.29

32 17 23 Pavement Markings *(32 17)*

See CSI section 01 55 26 00-0000 for temporary markings and removable line mask tape.

32 17 23 13 Painted Pavement Markings *(32 17 23)*

32 17 23 13-0001		Pavement Striping, Letters, Symbols And Markers For Roads *(32 17 23 13)* Note: Includes primers, adhesive and glass beads where required. For broken line quantities use total lane length. Per Coat.	
32 17 23 13-0002		Epoxy Reflective Pavement Marking *(32 17 23 13-0001)* Note: 15 mil thickness.	
32 17 23 13-0003	LF	Single 4" Wide Solid Line, Epoxy Reflective Pavement Striping	0.62
		For 20 Mil Thickness, Add	*0.14*
		For Up To 5,000 LF, Add	*0.12*
		For >25,000 LF, Deduct	*-0.09*
		For Broken Line, Deduct	*-0.30*
32 17 23 13-0004	LF	Single 6" Wide Solid Line, Epoxy Reflective Pavement Striping	0.88
		For 20 Mil Thickness, Add	*0.22*
		For Up To 5,000 LF, Add	*0.18*
		For >25,000 LF, Deduct	*-0.13*
		For Broken Line, Deduct	*-0.46*
32 17 23 13-0005	LF	Single 8" Wide Solid Line, Epoxy Reflective Pavement Striping	1.07
		For 20 Mil Thickness, Add	*0.26*
		For Up To 5,000 LF, Add	*0.21*
		For >25,000 LF, Deduct	*-0.16*
		For Broken Line, Deduct	*-0.54*
32 17 23 13-0006	LF	Single 12" Wide Solid Line, Epoxy Reflective Pavement Striping	1.63
		For 20 Mil Thickness, Add	*0.42*
		For Up To 5,000 LF, Add	*0.33*
		For >25,000 LF, Deduct	*-0.24*
		For Broken Line, Deduct	*-0.89*
32 17 23 13-0007	LF	Double 4" Wide Solid Lines, Epoxy Reflective Pavement Striping	1.01
		For 20 Mil Thickness, Add	*0.27*
		For Up To 5,000 LF, Add	*0.20*
		For >25,000 LF, Deduct	*-0.15*
		For Broken Line On One Side, Deduct	*-0.30*
		For Double Broken Line, Deduct	*-0.59*
32 17 23 13-0008	LF	Double 6" Wide Solid Lines, Epoxy Reflective Pavement Striping	1.46
		For 20 Mil Thickness, Add	*0.41*
		For Up To 5,000 LF, Add	*0.29*
		For >25,000 LF, Deduct	*-0.22*
		For Broken Line On One Side, Deduct	*-0.45*
		For Double Broken Line, Deduct	*-0.89*
32 17 23 13-0009	EA	6" High, Letter/Number, Epoxy Reflective Pavement Marking	4.28
		For 20 Mil Thickness, Add	*0.45*
		For <10, Add	*0.51*
		For >50 To 100, Deduct	*-0.26*
		For >100 To 200, Deduct	*-0.34*
		For >200, Deduct	*-0.69*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0010	EA	12" High, Letter/Number, Epoxy Reflective Pavement Marking	8.25	
		For 20 Mil Thickness, Add	*1.28*	
		For <10, Add	*0.78*	
		For >50 To 100, Deduct	*-0.39*	
		For >100 To 200, Deduct	*-0.52*	
		For >200, Deduct	*-1.04*	
32 17 23 13-0011	EA	24" High, Letter/Number, Epoxy Reflective Pavement Marking	13.99	
		For 20 Mil Thickness, Add	*2.22*	
		For <10, Add	*1.29*	
		For >50 To 100, Deduct	*-0.65*	
		For >100 To 200, Deduct	*-0.86*	
		For >200, Deduct	*-1.72*	
32 17 23 13-0012	EA	36" High, Letter/Number, Epoxy Reflective Pavement Marking	26.67	
		For 20 Mil Thickness, Add	*4.01*	
		For <10, Add	*2.58*	
		For >50 To 100, Deduct	*-1.29*	
		For >100 To 200, Deduct	*-1.72*	
		For >200, Deduct	*-3.44*	
32 17 23 13-0013	EA	48" High, Letter/Number, Epoxy Reflective Pavement Marking	31.61	
		For 20 Mil Thickness, Add	*5.07*	
		For <10, Add	*2.90*	
		For >50 To 100, Deduct	*-1.45*	
		For >100 To 200, Deduct	*-1.93*	
		For >200, Deduct	*-3.86*	
32 17 23 13-0014	EA	72" High, Letter/Number, Epoxy Reflective Pavement Marking	56.81	
		For 20 Mil Thickness, Add	*9.21*	
		For <10, Add	*5.15*	
		For >50 To 100, Deduct	*-2.58*	
		For >100 To 200, Deduct	*-3.43*	
		For >200, Deduct	*-6.87*	
32 17 23 13-0015	EA	96" High, Letter/Number, Epoxy Reflective Pavement Marking	75.68	
		For 20 Mil Thickness, Add	*12.16*	
		For <10, Add	*6.92*	
		For >50 To 100, Deduct	*-3.46*	
		For >100 To 200, Deduct	*-4.61*	
		For >200, Deduct	*-9.22*	
32 17 23 13-0016	EA	120" High, Letter/Number, Epoxy Reflective Pavement Marking	123.14	
		For 20 Mil Thickness, Add	*24.85*	
		For <10, Add	*8.57*	
		For >50 To 100, Deduct	*-4.29*	
		For >100 To 200, Deduct	*-5.72*	
		For >200, Deduct	*-11.43*	
32 17 23 13-0017	SF	Letter/Number, Epoxy Reflective Pavement Marking	7.31	
		For 20 Mil Thickness, Add	*0.97*	
32 17 23 13-0018	SF	Symbols, Epoxy Reflective Pavement Marking Note: Handicap, railroad, diamond, arrows, etc.	9.06	
		For 20 Mil Thickness, Add	*1.06*	

32 17 23 13-0019 Painted Reflective Pavement Marking *(32 17 23 13-0001)*

Note: 15 mil thickness.

32 17 23 13-0020	LF	Single 4" Wide Solid Line, Painted Reflective Pavement Striping	0.31	
		For Up To 5,000 LF, Add	*0.06*	
		For >25,000 LF, Deduct	*-0.05*	
		For Broken Line, Deduct	*-0.07*	
32 17 23 13-0021	LF	Single 6" Wide Solid Line, Painted Reflective Pavement Striping	0.40	
		For Up To 5,000 LF, Add	*0.08*	
		For >25,000 LF, Deduct	*-0.06*	
		For Broken Line, Deduct	*-0.10*	
32 17 23 13-0022	LF	Single 8" Wide Solid Line, Painted Reflective Pavement Striping	0.51	
		For Up To 5,000 LF, Add	*0.10*	
		For >25,000 LF, Deduct	*-0.08*	
		For Broken Line, Deduct	*-0.12*	
32 17 23 13-0023	LF	Single 12" Wide Solid Line, Painted Reflective Pavement Striping	0.69	
		For Up To 5,000 LF, Add	*0.14*	
		For >25,000 LF, Deduct	*-0.10*	
		For Broken Line, Deduct	*-0.18*	
32 17 23 13-0024	LF	Double 4" Wide Solid Lines, Painted Reflective Pavement Striping	0.46	
		For Up To 5,000 LF, Add	*0.09*	
		For >25,000 LF, Deduct	*-0.07*	
		For Broken Line On One Side, Deduct	*-0.06*	
		For Double Broken Line, Deduct	*-0.12*	
32 17 23 13-0025	LF	Double 6" Wide Solid Lines, Painted Reflective Pavement Striping	0.68	
		For Up To 5,000 LF, Add	*0.14*	
		For >25,000 LF, Deduct	*-0.10*	
		For Broken Line On One Side, Deduct	*-0.09*	
		For Double Broken Line, Deduct	*-0.18*	
32 17 23 13-0026	SF	Solid Area, Painted Reflective Pavement Striping Note: Use this task for: lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.	5.25	
32 17 23 13-0027	EA	6" High, Letter/Number, Painted Reflective Pavement Marking	3.90	
		For <10, Add	*0.51*	
		For >50 To 100, Deduct	*-0.26*	
		For >100 To 200, Deduct	*-0.34*	
		For >200, Deduct	*-0.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0028	EA	12" High, Letter/Number, Painted Reflective Pavement Marking	6.89	
		For <10, Add	*0.78*	
		For >50 To 100, Deduct	*-0.39*	
		For >100 To 200, Deduct	*-0.52*	
		For >200, Deduct	*-1.04*	
32 17 23 13-0029	EA	24" High, Letter/Number, Painted Reflective Pavement Marking	11.61	
		For <10, Add	*1.29*	
		For >50 To 100, Deduct	*-0.65*	
		For >100 To 200, Deduct	*-0.86*	
		For >200, Deduct	*-1.72*	
32 17 23 13-0030	EA	36" High, Letter/Number, Painted Reflective Pavement Marking	22.48	
		For <10, Add	*2.58*	
		For >50 To 100, Deduct	*-1.29*	
		For >100 To 200, Deduct	*-1.72*	
		For >200, Deduct	*-3.44*	
32 17 23 13-0031	EA	48" High, Letter/Number, Painted Reflective Pavement Marking	26.16	
		For <10, Add	*2.90*	
		For >50 To 100, Deduct	*-1.45*	
		For >100 To 200, Deduct	*-1.93*	
		For >200, Deduct	*-3.86*	
32 17 23 13-0032	EA	72" High, Letter/Number, Painted Reflective Pavement Marking	46.85	
		For <10, Add	*5.15*	
		For >50 To 100, Deduct	*-2.58*	
		For >100 To 200, Deduct	*-3.43*	
		For >200, Deduct	*-6.87*	
32 17 23 13-0033	EA	96" High, Letter/Number, Painted Reflective Pavement Marking	62.58	
		For <10, Add	*6.92*	
		For >50 To 100, Deduct	*-3.46*	
		For >100 To 200, Deduct	*-4.61*	
		For >200, Deduct	*-9.22*	
32 17 23 13-0034	EA	120" High, Letter/Number, Painted Reflective Pavement Marking	93.89	
		For <10, Add	*8.57*	
		For >50 To 100, Deduct	*-4.29*	
		For >100 To 200, Deduct	*-5.72*	
		For >200, Deduct	*-11.43*	
32 17 23 13-0035	SF	Letter/Number, Painted Reflective Pavement Marking Note: Includes solvent based and latex paints.	6.37	
32 17 23 13-0036	SF	Symbols, Painted Reflective Pavement Marking Note: Handicap, railroad, diamond, arrows, etc. Includes solvent based and latex paints.	7.54	

32 17 23 13-0037 Pavement Striping, Letters And Symbols For Parking Areas *(32 17 23 13)*

Note: Includes primers. Per Coat.

32 17 23 13-0038 Painted Pavement Marking For Parking Areas *(32 17 23 13-0037)*

Note: 15 mil thickness.

32 17 23 13-0039	LF	Single 4" Wide Solid Line, Painted Pavement Striping For Parking Areas	1.15	
32 17 23 13-0040	LF	Single 6" Wide Solid Line, Painted Pavement Striping For Parking Areas	1.25	
32 17 23 13-0041	LF	Single 8" Wide Solid Line, Painted Pavement Striping For Parking Areas	1.34	
32 17 23 13-0042	LF	Single 12" Wide Solid Line, Painted Pavement Striping For Parking Areas	1.50	
32 17 23 13-0043	EA	6" High, Letter/Number, Painted Pavement Marking For Parking Areas	3.80	
		For Up To 10, Add	*0.50*	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 200, Deduct	*-0.33*	
		For >200, Deduct	*-0.67*	
32 17 23 13-0044	EA	12" High, Letter/Number, Painted Pavement Marking For Parking Areas	6.67	
		For Up To 10, Add	*0.75*	
		For >50 To 100, Deduct	*-0.38*	
		For >100 To 200, Deduct	*-0.50*	
		For >200, Deduct	*-1.00*	
32 17 23 13-0045	EA	24" High, Letter/Number, Painted Pavement Marking For Parking Areas	11.25	
		For Up To 10, Add	*1.25*	
		For >50 To 100, Deduct	*-0.63*	
		For >100 To 200, Deduct	*-0.84*	
		For >200, Deduct	*-1.67*	
32 17 23 13-0046	EA	36" High, Letter/Number, Painted Pavement Marking For Parking Areas	20.97	
		For Up To 10, Add	*2.38*	
		For >50 To 100, Deduct	*-1.19*	
		For >100 To 200, Deduct	*-1.59*	
		For >200, Deduct	*-3.17*	
32 17 23 13-0047	EA	42" High, Letter/Number, Painted Pavement Marking For Parking Areas	27.58	
		For Up To 10, Add	*3.26*	
		For >50 To 100, Deduct	*-1.63*	
		For >100 To 200, Deduct	*-2.17*	
		For >200, Deduct	*-4.34*	
32 17 23 13-0048	EA	48" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas	33.37	
		For Up To 10, Add	*4.01*	
		For >50 To 100, Deduct	*-2.01*	
		For >100 To 200, Deduct	*-2.67*	
		For >200, Deduct	*-5.35*	
32 17 23 13-0049	EA	72" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas	45.52	
		For Up To 10, Add	*5.01*	
		For >50 To 100, Deduct	*-2.51*	
		For >100 To 200, Deduct	*-3.34*	
		For >200, Deduct	*-6.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0050	EA	Through Lane Arrow, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 3-1/2' width x 10' height.	86.25	
32 17 23 13-0051	EA	Turn Lane Arrow, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 6' width x 8' height.	101.16	
32 17 23 13-0052	EA	Dual Turn Lane Arrow, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 11' width x 8' height.	150.21	
32 17 23 13-0053	EA	Turn And Through Lane Arrow, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 7' width x 13' height.	153.65	
32 17 23 13-0054	EA	Dual Turn And Through Lane Arrow, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 9' width x 15' height.	205.76	
32 17 23 13-0055	EA	Handicap Symbol For Standard Parking Stalls, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 2-2/3' width x 3' height. White or blue symbol. Excludes striping.	33.24	
		For Blue Background With White Symbol, Add	*27.82*	
		For Blue Background With White Symbol And Border, Add	*34.78*	
32 17 23 13-0056	EA	Handicap Symbol For Van Parking Stalls, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 4-1/3' width x 5' height. White or blue symbol. Excludes striping.	51.83	
		For Blue Background With White Symbol, Add	*60.32*	
		For Blue Background With White Symbol And Border, Add	*75.40*	

32 17 23 13-0057 Painted Curbs *(32 17 23 13)*

Note: All colors.

32 17 23 13-0058	LF	Reflective Painted Curb	3.06	
32 17 23 13-0059	LF	Reflective Painted Curb And Gutter	5.88	
32 17 23 13-0060	LF	Painted Curb	2.49	
32 17 23 13-0061	LF	Painted Curb And Gutter	5.39	

32 17 23 13-0062 Markings For Outdoor Play Areas, Courts *(32 17 23 13)*

32 17 23 13-0063	LF	2" Wide Marking For Outdoor Play Areas	1.17	
32 17 23 13-0064	LF	3" Wide Marking For Outdoor Play Areas	1.31	
32 17 23 13-0065	LF	4" Wide Marking For Outdoor Play Areas	1.49	
32 17 23 13-0066	LF	6" Wide Marking For Outdoor Play Areas	1.76	
32 17 23 13-0067	EA	Layout And Paint Playground Game Lines And Background On Asphalt Or Concrete (Hop Scotch, 4 Square, Numbers Games, Etcetera)	296.69	

32 17 23 13-0068 Painted Reflective Pavement Marking (CALTRANS) *(32 17 23 13)*

Note: 20 to 25 mil thickness, per LF of detail.

32 17 23 13-0069	LF	CALTRANS Detail 1 Centerline, Painted Reflective Pavement Striping	0.25	
		For Up To 5,000 LF, Add	*0.05*	
		For >25,000 LF, Deduct	*-0.04*	
		For Two Coats, Add	*0.25*	
32 17 23 13-0070	LF	CALTRANS Detail 2 Centerline, Painted Reflective Pavement Striping	0.43	
		For Up To 5,000 LF, Add	*0.09*	
		For >25,000 LF, Deduct	*-0.06*	
		For Two Coats, Add	*0.43*	
32 17 23 13-0071	LF	CALTRANS Detail 4 Centerline	1.07	
		For Up To 5,000 LF, Add	*0.21*	
		For >25,000 LF, Deduct	*-0.16*	
		For Two Coats, Add	*1.07*	
32 17 23 13-0072	LF	CALTRANS Detail 5 Centerline, Painted Reflective Pavement Striping	0.24	
		For Up To 5,000 LF, Add	*0.05*	
		For >25,000 LF, Deduct	*-0.04*	
		For Two Coats, Add	*0.24*	
32 17 23 13-0073	LF	CALTRANS Detail 6 Centerline, Painted Reflective Pavement Striping	0.44	
		For Up To 5,000 LF, Add	*0.09*	
		For >25,000 LF, Deduct	*-0.07*	
		For Two Coats, Add	*0.44*	
32 17 23 13-0074	LF	CALTRANS Detail 7 Centerline	0.78	
		For Up To 5,000 LF, Add	*0.16*	
		For >25,000 LF, Deduct	*-0.12*	
		For Two Coats, Add	*0.78*	
32 17 23 13-0075	LF	CALTRANS Detail 8 Lanelines, Painted Reflective Pavement Striping	0.25	
		For Up To 5,000 LF, Add	*0.05*	
		For >25,000 LF, Deduct	*-0.04*	
		For Two Coats, Add	*0.25*	
32 17 23 13-0076	LF	CALTRANS Detail 9 Lanelines, Painted Reflective Pavement Striping	0.43	
		For Up To 5,000 LF, Add	*0.09*	
		For >25,000 LF, Deduct	*-0.06*	
		For Two Coats, Add	*0.43*	
32 17 23 13-0077	LF	CALTRANS Detail 10 Lanelines	1.07	
		For Up To 5,000 LF, Add	*0.21*	
		For >25,000 LF, Deduct	*-0.16*	
		For Two Coats, Add	*1.07*	
32 17 23 13-0078	LF	CALTRANS Detail 11 Lanelines, Painted Reflective Pavement Striping	0.24	
		For Up To 5,000 LF, Add	*0.05*	
		For >25,000 LF, Deduct	*-0.04*	
		For Two Coats, Add	*0.24*	
32 17 23 13-0079	LF	CALTRANS Detail 12 Lanelines, Painted Reflective Pavement Striping	0.43	
		For Up To 5,000 LF, Add	*0.09*	
		For >25,000 LF, Deduct	*-0.06*	
		For Two Coats, Add	*0.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0080	LF	CALTRANS Detail 13 Lanelines	0.78	
		For Up To 5,000 LF, Add	*0.16*	
		For >25,000 LF, Deduct	*-0.12*	
		For Two Coats, Add	*0.78*	
32 17 23 13-0081	LF	CALTRANS Detail 14 Lanelines	0.78	
		For Up To 5,000 LF, Add	*0.16*	
		For >25,000 LF, Deduct	*-0.12*	
		For Two Coats, Add	*0.78*	
32 17 23 13-0082	LF	CALTRANS Detail 14A Lanelines, Painted Reflective Pavement Striping	0.43	
		For Up To 5,000 LF, Add	*0.09*	
		For >25,000 LF, Deduct	*-0.06*	
		For Two Coats, Add	*0.43*	
32 17 23 13-0083	LF	CALTRANS Detail 15 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping	0.34	
		For Up To 5,000 LF, Add	*0.07*	
		For >25,000 LF, Deduct	*-0.05*	
		For Broken Line On One Side, Deduct	*-0.05*	
		For Double Broken Line, Deduct	*-0.09*	
		For Two Coats, Add	*0.34*	
32 17 23 13-0084	LF	CALTRANS Detail 16 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping	1.07	
		For Up To 5,000 LF, Add	*0.21*	
		For >25,000 LF, Deduct	*-0.16*	
		For Two Coats, Add	*1.07*	
32 17 23 13-0085	LF	CALTRANS Detail 17 No Passing Zones-One Direction Lanelines	3.12	
		For Up To 5,000 LF, Add	*0.62*	
		For >25,000 LF, Deduct	*-0.47*	
		For Two Coats, Add	*3.12*	
32 17 23 13-0086	LF	CALTRANS Detail 18 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping	0.34	
		For Up To 5,000 LF, Add	*0.07*	
		For >25,000 LF, Deduct	*-0.05*	
		For Broken Line On One Side, Deduct	*-0.05*	
		For Double Broken Line, Deduct	*-0.09*	
		For Two Coats, Add	*0.34*	
32 17 23 13-0087	LF	CALTRANS Detail 19 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping	0.88	
		For Up To 5,000 LF, Add	*0.18*	
		For >25,000 LF, Deduct	*-0.13*	
		For Two Coats, Add	*0.88*	
32 17 23 13-0088	LF	CALTRANS Detail 20 No Passing Zones-One Direction Lanelines	2.65	
		For Up To 5,000 LF, Add	*0.53*	
		For >25,000 LF, Deduct	*-0.40*	
		For Two Coats, Add	*2.65*	
32 17 23 13-0089	LF	CALTRANS Detail 21 No Passing Zones-Two Direction Lanelines, Painted Reflective Pavement Striping	0.41	
		For Up To 5,000 LF, Add	*0.08*	
		For >25,000 LF, Deduct	*-0.06*	
		For Broken Line On One Side, Deduct	*-0.07*	
		For Double Broken Line, Deduct	*-0.14*	
		For Two Coats, Add	*0.41*	
32 17 23 13-0090	LF	CALTRANS Detail 22 No Passing Zones-Two Direction Lanelines, Painted Reflective Pavement Striping	1.14	
		For Up To 5,000 LF, Add	*0.23*	
		For >25,000 LF, Deduct	*-0.17*	
		For Two Coats, Add	*1.14*	
32 17 23 13-0091	LF	CALTRANS Detail 23 No Passing Zones-Two Direction Lanelines	3.72	
		For Up To 5,000 LF, Add	*0.74*	
		For >25,000 LF, Deduct	*-0.56*	
		For Two Coats, Add	*3.72*	
32 17 23 13-0092	LF	CALTRANS Detail 24 Left Edgelines, Painted Reflective Pavement Striping	0.32	
		For Up To 5,000 LF, Add	*0.06*	
		For >25,000 LF, Deduct	*-0.05*	
		For Two Coats, Add	*0.32*	
32 17 23 13-0093	LF	CALTRANS Detail 25 Left Edgelines, Painted Reflective Pavement Striping	0.50	
		For Up To 5,000 LF, Add	*0.10*	
		For >25,000 LF, Deduct	*-0.08*	
		For Two Coats, Add	*0.50*	
32 17 23 13-0094	LF	CALTRANS Detail 25A Left Edgelines, Painted Reflective Pavement Striping	0.68	
		For Up To 5,000 LF, Add	*0.14*	
		For >25,000 LF, Deduct	*-0.10*	
		For Two Coats, Add	*0.68*	
32 17 23 13-0095	LF	CALTRANS Detail 26 Left Edgelines	0.18	
		For Up To 5,000 LF, Add	*0.04*	
		For >25,000 LF, Deduct	*-0.03*	
		For Two Coats, Add	*0.18*	
32 17 23 13-0096	LF	CALTRANS Detail 27 Left Edgelines, Painted Reflective Pavement Striping	0.60	
		For Up To 5,000 LF, Add	*0.12*	
		For >25,000 LF, Deduct	*-0.09*	
		For Two Coats, Add	*0.60*	
32 17 23 13-0097	LF	CALTRANS Detail 27B Right Edgelines, Painted Reflective Pavement Striping	0.32	
		For Up To 5,000 LF, Add	*0.06*	
		For >25,000 LF, Deduct	*-0.05*	
		For Two Coats, Add	*0.32*	
32 17 23 13-0098	LF	CALTRANS Detail 27C Right Edgeline Extension Through Intersections, Painted Reflective Pavement Striping	0.24	
		For Up To 5,000 LF, Add	*0.05*	
		For >25,000 LF, Deduct	*-0.04*	
		For Two Coats, Add	*0.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0099	LF	CALTRANS Detail 28 Median Islands, Painted Reflective Pavement Striping	0.83	
		For Up To 5,000 LF, Add	*0.17*	
		For >25,000 LF, Deduct	*-0.12*	
		For Broken Line On One Side, Deduct	*-0.14*	
		For Double Broken Line, Deduct	*-0.29*	
		For Two Coats, Add	*0.83*	
32 17 23 13-0100	LF	CALTRANS Detail 29 Median Islands, Painted Reflective Pavement Striping	1.56	
		For Up To 5,000 LF, Add	*0.31*	
		For >25,000 LF, Deduct	*-0.23*	
		For Two Coats, Add	*1.56*	
32 17 23 13-0101	LF	CALTRANS Detail 30 Median Islands	7.45	
		For Up To 5,000 LF, Add	*1.49*	
		For >25,000 LF, Deduct	*-1.12*	
		For Two Coats, Add	*7.45*	
32 17 23 13-0102	LF	CALTRANS Detail 31 Two-Way Left Turn Lanes, Painted Reflective Pavement Striping	0.69	
		For Up To 5,000 LF, Add	*0.14*	
		For >25,000 LF, Deduct	*-0.10*	
		For Broken Line On One Side, Deduct	*-0.09*	
		For Double Broken Line, Deduct	*-0.18*	
		For Two Coats, Add	*0.69*	
32 17 23 13-0103	LF	CALTRANS Detail 32 Two-Way Left Turn Lanes, Painted Reflective Pavement Striping	1.59	
		For Up To 5,000 LF, Add	*0.32*	
		For >25,000 LF, Deduct	*-0.24*	
		For Two Coats, Add	*1.59*	
32 17 23 13-0104	LF	CALTRANS Detail 33 Two-Way Left Turn Lanes	5.11	
		For Up To 5,000 LF, Add	*1.02*	
		For >25,000 LF, Deduct	*-0.77*	
		For Two Coats, Add	*5.11*	
32 17 23 13-0105	LF	CALTRANS Detail 34 Intersection Treatments, Painted Reflective Pavement Striping	0.88	
		For Up To 5,000 LF, Add	*0.18*	
		For >25,000 LF, Deduct	*-0.13*	
		For Two Coats, Add	*0.88*	
32 17 23 13-0106	LF	CALTRANS Detail 34A Intersection Treatments, Painted Reflective Pavement Striping	0.34	
		For Up To 5,000 LF, Add	*0.07*	
		For >25,000 LF, Deduct	*-0.05*	
		For Two Coats, Add	*0.34*	
32 17 23 13-0107	LF	CALTRANS Detail 35 Intersection Treatments, Painted Reflective Pavement Striping	1.07	
		For Up To 5,000 LF, Add	*0.21*	
		For >25,000 LF, Deduct	*-0.16*	
		For Two Coats, Add	*1.07*	
32 17 23 13-0108	LF	CALTRANS Detail 35A Intersection Treatments, Painted Reflective Pavement Striping	0.34	
		For Up To 5,000 LF, Add	*0.07*	
		For >25,000 LF, Deduct	*-0.05*	
		For Two Coats, Add	*0.34*	
32 17 23 13-0109	LF	CALTRANS Detail 36 Exit Ramp Neutral Area (Gore) Treatment, Painted Reflective Pavement Striping	1.75	
		For Up To 5,000 LF, Add	*0.35*	
		For >25,000 LF, Deduct	*-0.26*	
		For Two Coats, Add	*1.75*	
32 17 23 13-0110	LF	CALTRANS Detail 36A Entrance Ramp Neutral Area (Merge) Treatment, Painted Reflective Pavement Striping	1.10	
		For Up To 5,000 LF, Add	*0.22*	
		For >25,000 LF, Deduct	*-0.17*	
		For Two Coats, Add	*1.10*	
32 17 23 13-0111	LF	CALTRANS Detail 36B Entrance Ramp Neutral Area (Acceleration Lane) Treatment, Painted Reflective Pavement Striping	1.19	
		For Up To 5,000 LF, Add	*0.24*	
		For >25,000 LF, Deduct	*-0.18*	
		For Two Coats, Add	*1.19*	
32 17 23 13-0112	LF	CALTRANS Detail 37 Lane Drop At Exit Ramps, Painted Reflective Pavement Striping	1.10	
		For Up To 5,000 LF, Add	*0.22*	
		For >25,000 LF, Deduct	*-0.17*	
		For Two Coats, Add	*1.10*	
32 17 23 13-0113	LF	CALTRANS Detail 37A Lane Drop At Exit Ramps	2.50	
		For Up To 5,000 LF, Add	*0.50*	
		For >25,000 LF, Deduct	*-0.38*	
		For Two Coats, Add	*2.50*	
32 17 23 13-0114	LF	CALTRANS Detail 37B Lane Drop At Intersections, Painted Reflective Pavement Striping	1.10	
		For Up To 5,000 LF, Add	*0.22*	
		For >25,000 LF, Deduct	*-0.17*	
		For Two Coats, Add	*1.10*	
32 17 23 13-0115	LF	CALTRANS Detail 37C Lane Drop At Intersections	2.50	
		For Up To 5,000 LF, Add	*0.50*	
		For >25,000 LF, Deduct	*-0.38*	
		For Two Coats, Add	*2.50*	
32 17 23 13-0116	LF	CALTRANS Detail 38 Channelizing Line, Painted Reflective Pavement Striping	1.00	
		For Up To 5,000 LF, Add	*0.20*	
		For >25,000 LF, Deduct	*-0.15*	
		For Two Coats, Add	*1.00*	
32 17 23 13-0117	LF	CALTRANS Detail 38A Channelizing Line, Painted Reflective Pavement Striping	0.65	
		For Up To 5,000 LF, Add	*0.13*	
		For >25,000 LF, Deduct	*-0.10*	
		For Two Coats, Add	*0.65*	
32 17 23 13-0118	LF	CALTRANS Detail 38B Channelizing Line, Painted Reflective Pavement Striping	1.37	
		For Up To 5,000 LF, Add	*0.27*	
		For >25,000 LF, Deduct	*-0.21*	
		For Two Coats, Add	*1.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0119	LF	CALTRANS Detail 38C Channelizing Line	3.72	
		For Up To 5,000 LF, Add	*0.74*	
		For >25,000 LF, Deduct	*-0.56*	
		For Two Coats, Add	*3.72*	
32 17 23 13-0120	LF	CALTRANS Detail 39 Bike Lane Line, Painted Reflective Pavement Striping	0.39	
		For Up To 5,000 LF, Add	*0.08*	
		For >25,000 LF, Deduct	*-0.06*	
		For Two Coats, Add	*0.39*	
32 17 23 13-0121	LF	CALTRANS Detail 39A Intersection Line Bike Lane, Painted Reflective Pavement Striping	0.31	
		For Up To 5,000 LF, Add	*0.06*	
		For >25,000 LF, Deduct	*-0.05*	
		For Two Coats, Add	*0.31*	
32 17 23 13-0122	LF	CALTRANS Detail 40 Lane Line Extensions Through Intersections, Painted Reflective Pavement Striping	0.23	
		For Up To 5,000 LF, Add	*0.05*	
		For >25,000 LF, Deduct	*-0.03*	
		For Two Coats, Add	*0.23*	
32 17 23 13-0123	LF	CALTRANS Detail 40A Lane Line Extensions Through Intersections	1.80	
		For Up To 5,000 LF, Add	*0.36*	
		For >25,000 LF, Deduct	*-0.27*	
		For Two Coats, Add	*1.80*	
32 17 23 13-0124	LF	CALTRANS Detail 41 Center Line Extensions Through Intersections, Painted Reflective Pavement Striping	0.23	
		For Up To 5,000 LF, Add	*0.05*	
		For >25,000 LF, Deduct	*-0.03*	
		For Two Coats, Add	*0.23*	
32 17 23 13-0125	LF	CALTRANS Detail 41A Center Line Extensions Through Intersections	1.80	
		For Up To 5,000 LF, Add	*0.36*	
		For >25,000 LF, Deduct	*-0.27*	
		For Two Coats, Add	*1.80*	
32 17 23 13-0126	EA	CALTRANS 10' Arrow, Type I, Painted Reflective Pavement Marking	100.75	
		For <10, Add	*12.53*	
		For >50 To 100, Deduct	*-6.27*	
		For >100 To 200, Deduct	*-8.36*	
		For >200, Deduct	*-16.71*	
		For Two Coats, Add	*100.75*	
32 17 23 13-0127	EA	CALTRANS 18' Arrow, Type I, Painted Reflective Pavement Marking	176.93	
		For <10, Add	*21.93*	
		For >50 To 100, Deduct	*-10.97*	
		For >100 To 200, Deduct	*-14.62*	
		For >200, Deduct	*-29.24*	
		For Two Coats, Add	*176.93*	
32 17 23 13-0128	EA	CALTRANS 24' Arrow, Type I, Painted Reflective Pavement Marking	221.90	
		For <10, Add	*27.57*	
		For >50 To 100, Deduct	*-13.79*	
		For >100 To 200, Deduct	*-18.38*	
		For >200, Deduct	*-36.76*	
		For Two Coats, Add	*221.90*	
32 17 23 13-0129	EA	CALTRANS 24' Arrow With Single (L or R) Turn Arrow, Type II, Painted Reflective Pavement Marking	322.65	
		For <10, Add	*40.11*	
		For >50 To 100, Deduct	*-20.05*	
		For >100 To 200, Deduct	*-26.74*	
		For >200, Deduct	*-53.47*	
		For Two Coats, Add	*322.65*	
32 17 23 13-0130	EA	CALTRANS 24' Arrow With Both (L and R) Turn Arrows, Type II, Painted Reflective Pavement Marking	423.41	
		For <10, Add	*52.64*	
		For >50 To 100, Deduct	*-26.32*	
		For >100 To 200, Deduct	*-35.09*	
		For >200, Deduct	*-70.19*	
		For Two Coats, Add	*423.41*	
32 17 23 13-0131	EA	CALTRANS 24' Arrow Single (L or R) Turn Arrow, Type III, Painted Reflective Pavement Marking	298.08	
		For <10, Add	*36.97*	
		For >50 To 100, Deduct	*-18.49*	
		For >100 To 200, Deduct	*-24.65*	
		For >200, Deduct	*-49.30*	
		For Two Coats, Add	*298.08*	
32 17 23 13-0132	EA	CALTRANS 24' Arrow Both (L and R) Turn Arrows, Type III, Painted Reflective Pavement Marking	519.98	
		For <10, Add	*64.55*	
		For >50 To 100, Deduct	*-32.27*	
		For >100 To 200, Deduct	*-43.03*	
		For >200, Deduct	*-86.06*	
		For Two Coats, Add	*519.98*	
32 17 23 13-0133	EA	CALTRANS 8' Turn Arrow (L or R), Type IV, Painted Reflective Pavement Marking	106.16	
		For <10, Add	*13.16*	
		For >50 To 100, Deduct	*-6.58*	
		For >100 To 200, Deduct	*-8.77*	
		For >200, Deduct	*-17.55*	
		For Two Coats, Add	*106.16*	
32 17 23 13-0134	EA	CALTRANS 24' Arrow, Type V, Painted Reflective Pavement Marking	232.71	
		For <10, Add	*28.83*	
		For >50 To 100, Deduct	*-14.41*	
		For >100 To 200, Deduct	*-19.22*	
		For >200, Deduct	*-38.43*	
		For Two Coats, Add	*232.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0135	EA	CALTRANS 18' Arrow, Type VI, Painted Reflective Pavement Marking	298.08	
		For <10, Add	*36.97*	
		For >50 To 100, Deduct	*-18.49*	
		For >100 To 200, Deduct	*-24.65*	
		For >200, Deduct	*-49.30*	
		For Two Coats, Add	*298.08*	
32 17 23 13-0136	EA	CALTRANS 13' Arrow With Single (L or R) Turn Arrow, Type VII, Painted Reflective Pavement Marking	192.12	
		For <10, Add	*23.81*	
		For >50 To 100, Deduct	*-11.91*	
		For >100 To 200, Deduct	*-15.88*	
		For >200, Deduct	*-31.75*	
		For Two Coats, Add	*192.12*	
32 17 23 13-0137	EA	CALTRANS 15' Arrow With Both (L and R) Turn Arrows, Type VIII, Painted Reflective Pavement Marking	253.12	
		For <10, Add	*31.33*	
		For >50 To 100, Deduct	*-15.67*	
		For >100 To 200, Deduct	*-20.89*	
		For >200, Deduct	*-41.78*	
		For Two Coats, Add	*253.12*	
32 17 23 13-0138	EA	CALTRANS 5' Arrow, Bike Lane, Painted Reflective Pavement Marking	50.38	
		For <10, Add	*6.27*	
		For >50 To 100, Deduct	*-3.13*	
		For >100 To 200, Deduct	*-4.18*	
		For >200, Deduct	*-8.36*	
		For Two Coats, Add	*50.38*	
32 17 23 13-0139	EA	CALTRANS Railroad Crossing Symbol, Painted Reflective Pavement Marking Note: Excludes variable width transverse lines.	482.87	
		For <10, Add	*59.53*	
		For >50 To 100, Deduct	*-29.77*	
		For >100 To 200, Deduct	*-39.69*	
		For >200, Deduct	*-79.38*	
		For Two Coats, Add	*482.87*	
32 17 23 13-0140	SF	CALTRANS Solid Area, Painted Reflective Pavement Marking	6.33	
		For Two Coats, Add	*6.33*	
32 17 23 13-0141	EA	CALTRANS Bike Lane Symbol Without Person, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 4' width x 8' height.	50.91	
		For <10, Add	*4.51*	
		For >50 To 100, Deduct	*-2.26*	
		For >100 To 200, Deduct	*-3.01*	
		For >200, Deduct	*-6.01*	
		For Two Coats, Add	*50.91*	
32 17 23 13-0142	EA	CALTRANS Bike Lane Symbol With Person, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 4' width x 8' height.	54.01	
		For <10, Add	*4.76*	
		For >50 To 100, Deduct	*-2.38*	
		For >100 To 200, Deduct	*-3.18*	
		For >200, Deduct	*-6.35*	
		For Two Coats, Add	*54.01*	
32 17 23 13-0143	EA	CALTRANS Diamond Symbol, Painted Reflective Pavement Marking	80.35	
		For <10, Add	*10.03*	
		For >50 To 100, Deduct	*-5.01*	
		For >100 To 200, Deduct	*-6.68*	
		For >200, Deduct	*-13.37*	
		For Two Coats, Add	*80.35*	
32 17 23 13-0144	EA	CALTRANS International Symbol Of Accessibility (ISA) Marking, Painted Reflective Pavement Marking	163.62	
		For <10, Add	*20.30*	
		For >50 To 100, Deduct	*-10.15*	
		For >100 To 200, Deduct	*-13.54*	
		For >200, Deduct	*-27.07*	
		For Two Coats, Add	*163.62*	
32 17 23 13-0145	EA	CALTRANS Bike Loop Detector Symbol, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 4' width x 8' height.	34.12	
		For <10, Add	*4.76*	
		For >50 To 100, Deduct	*-2.38*	
		For >100 To 200, Deduct	*-3.18*	
		For >200, Deduct	*-6.35*	
		For Two Coats, Add	*34.12*	
32 17 23 13-0146	SF	CALTRANS Letter/Number, Painted Reflective Pavement Marking	6.41	
		For Two Coats, Add	*6.41*	
32 17 23 13-0147	SF	CALTRANS Symbols, Painted Reflective Pavement Marking Note: Handicap, railroad, diamond, arrows, etc.	7.08	
		For Two Coats, Add	*7.08*	

32 17 23 23 Raised Pavement Markings *(32 17 23)*

32 17 23 23-0001 Raised Pavement Markers (RPMs) *(32 17 23 23)*

Note: White, Red, Yellow/Amber, Green or Blue

32 17 23 23-0002	EA	One-Way Reflective, Raised Pavement Marker (RPM) Note: Type G, H or R	8.14	3.02
		For >100, Deduct	*-0.81*	
32 17 23 23-0003	EA	Two-Way Reflective, Raised Pavement Marker (RPM) Note: Type B, C, D, AC, RA or RR	8.64	3.02
		For >100, Deduct	*-0.86*	
32 17 23 23-0004	EA	4" Diameter, Round Reflective, Raised Pavement Marker (RPM)	10.68	3.02
		For >100, Deduct	*-1.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 23-0005	EA	4" Diameter, Non-Reflective, Raised Pavement Marker (RPM) Note: Type A or AY	7.50	3.02
		For >100, Deduct	*-0.75*	

32 17 23 23-0006 Snowplowable Pavement Markers *(32 17 23 23)*

32 17 23 23-0007	EA	One-Way Reflective, Snowplowable Pavement Marker With Center Rail Note: Type G, H or R	82.99	35.42
32 17 23 23-0008	EA	Two-Way Reflective, Snowplowable Pavement Marker With Center Rail Note: Type B, C, D, AC, RA or RR	83.42	35.42
32 17 23 23-0009	EA	Removal And Replacement Of Reflector For One-Way Reflective, Recessed (Plowable) Pavement Marker	24.05	
32 17 23 23-0010	EA	Removal And Replacement Of Reflectors For Two-Way Reflective, Recessed (Plowable) Pavement Marker	30.38	

32 17 23 33 Plastic Pavement Markings *(32 17 23)*

32 17 23 33-0001 Thermoplastic Pavement Striping, Letters, Symbols And Markers For Roads *(32 17 23 33)*

Note: Includes primers, adhesive and glass beads where required. For broken line modifier quantity use total lane length.

32 17 23 33-0002 Thermoplastic Reflective Pavement Marking *(32 17 23 33-0001)*

Note: 90 mil thickness.

32 17 23 33-0003	LF	Single 4" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping	1.46	
		For Up To 5,000 LF, Add	*0.29*	
		For >25,000 LF, Deduct	*-0.22*	
		For 60 mils Thick, Deduct	*-0.20*	
		For 125 mils Thick, Add	*0.26*	
		For Broken Line, Deduct	*-0.87*	
32 17 23 33-0004	LF	Single 6" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	2.10	
		For Up To 5,000 LF, Add	*0.42*	
		For >25,000 LF, Deduct	*-0.32*	
		For 60 mils Thick, Deduct	*-0.30*	
		For 125 mils Thick, Add	*0.39*	
		For Broken Line, Deduct	*-1.30*	
32 17 23 33-0005	LF	Single 8" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	2.77	
		For Up To 5,000 LF, Add	*0.55*	
		For >25,000 LF, Deduct	*-0.42*	
		For 60 mils Thick, Deduct	*-0.40*	
		For 125 mils Thick, Add	*0.52*	
		For Broken Line, Deduct	*-1.73*	
32 17 23 33-0006	LF	Single 12" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	4.06	
		For Up To 5,000 LF, Add	*0.81*	
		For >25,000 LF, Deduct	*-0.61*	
		For 60 mils Thick, Deduct	*-0.61*	
		For 125 mils Thick, Add	*0.78*	
		For Broken Line, Deduct	*-2.60*	
32 17 23 33-0007	LF	Double 4" Wide Solid Lines, 90 Mil Thick, Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	2.76	
		For Up To 5,000 LF, Add	*0.55*	
		For >25,000 LF, Deduct	*-0.41*	
		For 60 mils Thick, Deduct	*-0.40*	
		For 125 mils Thick, Add	*0.52*	
		For Broken Line On One Side, Deduct	*-0.87*	
		For Double Broken Line, Deduct	*-1.73*	
32 17 23 33-0008	LF	Double 6" Wide Solid Lines, 90 Mil Thick, Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	4.06	
		For Up To 5,000 LF, Add	*0.81*	
		For >25,000 LF, Deduct	*-0.61*	
		For 60 mils Thick, Deduct	*-0.61*	
		For 125 mils Thick, Add	*0.78*	
		For Broken Line On One Side, Deduct	*-1.30*	
		For Double Broken Line, Deduct	*-2.60*	
32 17 23 33-0009	SF	Solid Area, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Note: Includes yellow or white.	8.46	
		For 60 mils Thick, Deduct	*-0.60*	
		For 125 mils Thick, Add	*0.78*	
32 17 23 33-0010	EA	6" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	5.51	
		For Up To 10, Add	*0.56*	
		For >50 To 100, Deduct	*-0.28*	
		For >100 To 200, Deduct	*-0.38*	
		For >200, Deduct	*-0.75*	
		For 60 mils Thick, Deduct	*-0.31*	
		For 125 mils Thick, Add	*0.39*	
32 17 23 33-0011	EA	12" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	12.02	
		For Up To 10, Add	*0.85*	
		For >50 To 100, Deduct	*-0.43*	
		For >100 To 200, Deduct	*-0.57*	
		For >200, Deduct	*-1.14*	
		For 60 mils Thick, Deduct	*-1.11*	
		For 125 mils Thick, Add	*1.43*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0012	EA	24" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	20.54	
		For Up To 10, Add	*1.42*	
		For >50 To 100, Deduct	*-0.71*	
		For >100 To 200, Deduct	*-0.94*	
		For >200, Deduct	*-1.89*	
		For 60 mils Thick, Deduct	*-1.94*	
		For 125 mils Thick, Add	*2.50*	
32 17 23 33-0013	EA	36" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	38.48	
		For Up To 10, Add	*2.85*	
		For >50 To 100, Deduct	*-1.42*	
		For >100 To 200, Deduct	*-1.90*	
		For >200, Deduct	*-3.79*	
		For 60 mils Thick, Deduct	*-3.41*	
		For 125 mils Thick, Add	*4.39*	
32 17 23 33-0014	EA	48" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	46.59	
		For Up To 10, Add	*3.18*	
		For >50 To 100, Deduct	*-1.59*	
		For >100 To 200, Deduct	*-2.12*	
		For >200, Deduct	*-4.24*	
		For 60 mils Thick, Deduct	*-4.44*	
		For 125 mils Thick, Add	*5.71*	
32 17 23 33-0015	EA	72" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	84.12	
		For Up To 10, Add	*5.67*	
		For >50 To 100, Deduct	*-2.83*	
		For >100 To 200, Deduct	*-3.78*	
		For >200, Deduct	*-7.55*	
		For 60 mils Thick, Deduct	*-8.11*	
		For 125 mils Thick, Add	*10.43*	
32 17 23 33-0016	EA	96" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	111.70	
		For Up To 10, Add	*7.61*	
		For >50 To 100, Deduct	*-3.80*	
		For >100 To 200, Deduct	*-5.07*	
		For >200, Deduct	*-10.14*	
		For 60 mils Thick, Deduct	*-10.67*	
		For 125 mils Thick, Add	*13.72*	
32 17 23 33-0017	EA	120" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	198.94	
		For Up To 10, Add	*9.42*	
		For >50 To 100, Deduct	*-4.71*	
		For >100 To 200, Deduct	*-6.28*	
		For >200, Deduct	*-12.57*	
		For 60 mils Thick, Deduct	*-23.82*	
		For 125 mils Thick, Add	*30.62*	
32 17 23 33-0018	SF	Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	10.07	
		For 60 mils Thick, Deduct	*-0.77*	
		For 125 mils Thick, Add	*0.99*	
32 17 23 33-0019	SY	Cross Hatch, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	28.65	
		Note: Per SY of area.		
		For 60 mils Thick, Deduct	*-1.36*	
		For 125 mils Thick, Add	*1.75*	
32 17 23 33-0020	EA	Handicap Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	260.50	
		For 60 mils Thick, Deduct	*-17.67*	
		For 125 mils Thick, Add	*22.72*	
32 17 23 33-0021	EA	Railroad Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	775.24	
		For 60 mils Thick, Deduct	*-53.79*	
		For 125 mils Thick, Add	*69.15*	
32 17 23 33-0022	EA	Bike Lane Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	172.54	
		Note: Approximate overall dimensions: 4' width x 8' height.		
		For 60 mils Thick, Deduct	*-24.35*	
		For 125 mils Thick, Add	*31.30*	
32 17 23 33-0023	EA	Diamond Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	124.59	
		For 60 mils Thick, Deduct	*-8.45*	
		For 125 mils Thick, Add	*10.87*	
32 17 23 33-0024	SF	Symbols, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	11.32	
		Note: Handicap, railroad, diamond, arrows, etc.		
		For 60 mils Thick, Deduct	*-0.77*	
		For 125 mils Thick, Add	*0.99*	
32 17 23 33-0025	EA	10' Arrow, Type I, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	158.55	
		For 60 mils Thick, Deduct	*-10.76*	
		For 125 mils Thick, Add	*13.83*	
32 17 23 33-0026	EA	18' Arrow, Type I, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	283.14	
		For 60 mils Thick, Deduct	*-19.21*	
		For 125 mils Thick, Add	*24.70*	
32 17 23 33-0027	EA	24' Arrow, Type I, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	351.09	
		For 60 mils Thick, Deduct	*-23.82*	
		For 125 mils Thick, Add	*30.62*	
32 17 23 33-0028	EA	24' Arrow With Single (L or R) Turn Arrow, Type II, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	509.65	
		For 60 mils Thick, Deduct	*-34.58*	
		For 125 mils Thick, Add	*44.46*	
32 17 23 33-0029	EA	24' Arrow With Both (L and R) Turn Arrows, Type II, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	668.21	
		For 60 mils Thick, Deduct	*-45.33*	
		For 125 mils Thick, Add	*58.29*	
32 17 23 33-0030	EA	24' Arrow Single (L or R) Turn Arrow, Type III, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	475.67	
		For 60 mils Thick, Deduct	*-32.27*	
		For 125 mils Thick, Add	*41.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0031	EA	24' Arrow Both (L and R) Turn Arrows, Type III, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	826.77	
		For 60 mils Thick, Deduct	*-56.09*	
		For 125 mils Thick, Add	*72.12*	
32 17 23 33-0032	EA	8' Turn Arrow (L or R), Type IV, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	169.89	
		For 60 mils Thick, Deduct	*-11.53*	
		For 125 mils Thick, Add	*14.82*	
32 17 23 33-0033	EA	24' Arrow, Type V, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	373.74	
		For 60 mils Thick, Deduct	*-25.36*	
		For 125 mils Thick, Add	*32.60*	
32 17 23 33-0034	EA	18' Arrow, Type VI, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	475.67	
		For 60 mils Thick, Deduct	*-32.27*	
		For 125 mils Thick, Add	*41.49*	
32 17 23 33-0035	EA	13' Arrow With Single (L or R) Turn Arrow, Type VII, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	305.80	
		For 60 mils Thick, Deduct	*-20.75*	
		For 125 mils Thick, Add	*26.67*	
32 17 23 33-0036	EA	15' Arrow With Both (L and R) Turn Arrows, Type VIII, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	407.73	
		For 60 mils Thick, Deduct	*-27.66*	
		For 125 mils Thick, Add	*35.57*	
32 17 23 33-0037	EA	5' Arrow, Bike Lane, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	79.29	
		For 60 mils Thick, Deduct	*-5.38*	
		For 125 mils Thick, Add	*6.92*	

32 17 23 33-0038 Thermoplastic Reflective Pavement Striping By Hand For Repairs *(32 17 23 33-0001)*

32 17 23 33-0039	LF	Single 4" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs	2.93	
		For 60 mils Thick, Deduct	*-0.20*	
		For 125 mils Thick, Add	*0.26*	
32 17 23 33-0040	LF	Single 6" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs	3.74	
		For 60 mils Thick, Deduct	*-0.30*	
		For 125 mils Thick, Add	*0.39*	
32 17 23 33-0041	LF	Single 8" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs	4.65	
		For 60 mils Thick, Deduct	*-0.40*	
		For 125 mils Thick, Add	*0.52*	
32 17 23 33-0042	LF	Single 12" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs	6.72	
		For 60 mils Thick, Deduct	*-0.61*	
		For 125 mils Thick, Add	*0.78*	
32 17 23 33-0043	LF	Single 24" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs	12.22	
		For 60 mils Thick, Deduct	*-1.21*	
		For 125 mils Thick, Add	*1.56*	

32 17 23 33-0044 Preformed, Patterned Reflective Pavement Marking Tape *(32 17 23 33-0001)*

Note: Applied with pressure sensitive adhesive. Includes adhesive. 60 mil thickness. (3M Stamark 380 Series).

32 17 23 33-0045	LF	Single 4" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	3.15	
		For Up To 5,000 LF, Add	*0.63*	
		For >25,000 LF, Deduct	*-0.47*	
32 17 23 33-0046	LF	Single 6" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	4.67	
		For Up To 5,000 LF, Add	*0.93*	
		For >25,000 LF, Deduct	*-0.70*	
32 17 23 33-0047	LF	Single 8" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	6.19	
		For Up To 5,000 LF, Add	*1.24*	
		For >25,000 LF, Deduct	*-0.93*	
32 17 23 33-0048	LF	Single 12" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	9.19	
		For Up To 5,000 LF, Add	*1.84*	
		For >25,000 LF, Deduct	*-1.38*	
32 17 23 33-0049	SF	Solid Area, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Marking Tape Note: Includes yellow or white.	24.74	
32 17 23 33-0050	EA	6" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	36.87	
		For <10, Add	*1.03*	
		For >50 To 100, Deduct	*-0.51*	
		For >100 To 200, Deduct	*-0.69*	
		For >200, Deduct	*-1.37*	
32 17 23 33-0051	EA	12" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	65.82	
		For <10, Add	*1.30*	
		For >50 To 100, Deduct	*-0.65*	
		For >100 To 200, Deduct	*-0.87*	
		For >200, Deduct	*-1.74*	
32 17 23 33-0052	EA	24" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	112.59	
		For <10, Add	*2.58*	
		For >50 To 100, Deduct	*-1.29*	
		For >100 To 200, Deduct	*-1.72*	
		For >200, Deduct	*-3.44*	
32 17 23 33-0053	EA	36" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	160.51	
		For <10, Add	*5.16*	
		For >50 To 100, Deduct	*-2.58*	
		For >100 To 200, Deduct	*-3.44*	
		For >200, Deduct	*-6.89*	

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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0054	EA	48" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	188.50	
		For <10, Add	*5.79*	
		For >50 To 100, Deduct	*-2.90*	
		For >100 To 200, Deduct	*-3.86*	
		For >200, Deduct	*-7.72*	
32 17 23 33-0055	EA	72" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	237.18	
		For <10, Add	*10.30*	
		For >50 To 100, Deduct	*-5.15*	
		For >100 To 200, Deduct	*-6.87*	
		For >200, Deduct	*-13.74*	
32 17 23 33-0056	EA	96" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	301.40	
		For <10, Add	*13.84*	
		For >50 To 100, Deduct	*-6.92*	
		For >100 To 200, Deduct	*-9.22*	
		For >200, Deduct	*-18.45*	
32 17 23 33-0057	EA	120" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	378.07	
		For <10, Add	*17.15*	
		For >50 To 100, Deduct	*-8.57*	
		For >100 To 200, Deduct	*-11.43*	
		For >200, Deduct	*-22.86*	
32 17 23 33-0058	SF	Preformed Arrow, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	25.41	
32 17 23 33-0059	SF	Preformed Symbol, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape Note: Handicap, railroad, diamond symbol, etc.	26.66	

32 17 23 33-0060 Preformed, Thermoplastic Reflective Pavement Marking *(32 17 23 33-0001)*

Note: Heat applied. (Flint PreMark or HotTape Series).

32 17 23 33-0061	EA	Preformed Bike Lane Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 4' width x 8' height.	403.02	
32 17 23 33-0062	EA	Preformed Railroad Crossing Symbol, 125 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 8' width x 20' height. Excludes transverse lines.	1,070.31	
32 17 23 33-0063	EA	Preformed Preferential Lane Symbol (Diamond), 125 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3-1/4' width x 13' height.	207.10	
32 17 23 33-0064	EA	6' Height, Preformed Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 2' width x 6' height.	172.16	
32 17 23 33-0065	EA	9-1/2' Height, Preformed Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3-1/4' width x 9-1/2' height.	345.38	
32 17 23 33-0066	EA	4' Height, Preformed Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3' width x 4' height.	201.68	
32 17 23 33-0067	EA	8' Height, Preformed Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 6' width x 8' height.	386.03	
32 17 23 33-0068	EA	Preformed Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 7-1/4' width x 12-3/4' height.	668.30	
32 17 23 33-0069	EA	Preformed Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 11-1/4' width x 13-1/4' height.	1,012.94	
32 17 23 33-0070	EA	Preformed Elongated Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 1-2/3' width x 12' height.	353.57	
32 17 23 33-0071	EA	Preformed Elongated Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3' width x 12' height.	394.22	
32 17 23 33-0072	EA	Preformed Elongated Dual Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 5-1/2' width x 12' height.	738.29	
32 17 23 33-0073	EA	Preformed Elongated Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3-1/2' width x 20' height.	677.48	
32 17 23 33-0074	EA	Preformed Elongated Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 5-1/2' width x 20' height.	679.99	
32 17 23 33-0075	EA	Preformed Lane-Reduction Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 5-1/2' width x 18' height.	943.39	

32 17 23 33-0076 Thermoplastic Reflective Pavement Marking (CALTRANS) *(32 17 23 33-0001)*

Note: Per LF of detail.

32 17 23 33-0077	LF	CALTRANS Detail 1 Thermoplastic Reflective Pavement Marking	1.67	
32 17 23 33-0078	LF	CALTRANS Detail 2 Thermoplastic Reflective Pavement Marking	2.20	
32 17 23 33-0079	LF	CALTRANS Detail 4 Thermoplastic Reflective Pavement Marking	1.43	
32 17 23 33-0080	LF	CALTRANS Detail 6 Thermoplastic Reflective Pavement Marking	1.43	
32 17 23 33-0081	LF	CALTRANS Detail 8 Thermoplastic Reflective Pavement Marking	2.20	
32 17 23 33-0082	LF	CALTRANS Detail 9 Thermoplastic Reflective Pavement Marking	2.20	
32 17 23 33-0083	LF	CALTRANS Detail 11 Thermoplastic Reflective Pavement Marking	1.18	
32 17 23 33-0084	LF	CALTRANS Detail 12 Thermoplastic Reflective Pavement Marking	1.18	
32 17 23 33-0085	LF	CALTRANS Detail 19 Thermoplastic Reflective Pavement Marking	3.34	
32 17 23 33-0086	LF	CALTRANS Detail 21 Thermoplastic Reflective Pavement Marking	3.83	
32 17 23 33-0087	LF	CALTRANS Detail 22 Thermoplastic Reflective Pavement Marking	3.02	
32 17 23 33-0088	LF	CALTRANS Detail 24 Thermoplastic Reflective Pavement Marking	1.67	
32 17 23 33-0089	LF	CALTRANS Detail 25 Thermoplastic Reflective Pavement Marking	2.20	
32 17 23 33-0090	LF	CALTRANS Detail 26 Thermoplastic Reflective Pavement Marking	2.69	
32 17 23 33-0091	LF	CALTRANS Detail 27 Thermoplastic Reflective Pavement Marking	3.02	
32 17 23 33-0092	LF	CALTRANS Detail 27B Thermoplastic Reflective Pavement Marking	1.33	
32 17 23 33-0093	LF	CALTRANS Detail 27C Thermoplastic Reflective Pavement Marking	1.66	
32 17 23 33-0094	LF	CALTRANS Detail 28 Thermoplastic Reflective Pavement Marking	4.54	
32 17 23 33-0095	LF	CALTRANS Detail 29 Thermoplastic Reflective Pavement Marking	5.34	
32 17 23 33-0096	LF	CALTRANS Detail 31 Thermoplastic Reflective Pavement Marking	2.21	
32 17 23 33-0097	LF	CALTRANS Detail 32 Thermoplastic Reflective Pavement Marking	4.54	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0098	LF	CALTRANS Detail 37B Thermoplastic Reflective Pavement Marking	2.69	
32 17 23 33-0099	LF	CALTRANS Detail 38 Thermoplastic Reflective Pavement Marking	3.02	
32 17 23 33-0100	LF	CALTRANS Detail 38A Thermoplastic Reflective Pavement Marking	2.20	
32 17 23 33-0101	LF	CALTRANS Detail 38B Thermoplastic Reflective Pavement Marking	2.69	
32 17 23 33-0102	LF	CALTRANS Detail 39 Thermoplastic Reflective Pavement Marking	1.67	
32 17 23 33-0103	LF	CALTRANS Detail 39A Thermoplastic Reflective Pavement Marking	1.33	
32 17 23 33-0104	LF	CALTRANS Detail 40 Thermoplastic Reflective Pavement Marking	3.02	
32 17 23 33-0105	LF	CALTRANS Detail 40A Thermoplastic Reflective Pavement Marking	4.51	
32 17 23 33-0106	LF	CALTRANS Detail 41 Thermoplastic Reflective Pavement Marking	7.78	
32 17 23 33-0107		Thermoplastic Pavement Striping, Letters And Symbols For Parking Areas *(32 17 23 33)*		
32 17 23 33-0108		Thermoplastic Pavement Marking Symbols For Parking Areas *(32 17 23 33-0107)*		
		Note: Heat applied. (Flint PreMark Series).		
32 17 23 33-0109	EA	28" Handicap Symbol For Standard Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas	134.67	
		Note: White or blue symbol. Excludes striping.		
32 17 23 33-0110	EA	39" Handicap Symbol For Standard Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas	520.60	
32 17 23 33-0111	EA	40" x 40" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas	291.91	
		Note: White symbol on blue background. Excludes striping.		
32 17 23 33-0112	EA	45" x 45" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas	351.59	
		Note: White symbol on blue background. Excludes striping.		
32 17 23 33-0113	EA	48" x 48" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas	368.64	

32 17 26 Tactile Warning Surfaces *(32 17)*

32 17 26 00-0001		Vitrified Polymer Composite (VPC); (Armor Tile) *(32 17 26)*		
		Note: Truncated dome, raised strips or directional bars. All colors.		
32 17 26 00-0002	SF	Surface Applied VPC Truncated Dome Detectable Warning Surface	66.73	9.50
		Note: Includes adhesive, fasteners and sealant at perimeter. Also raised strips or directional bars. All colors.		
32 17 26 00-0003	SF	Embedded, VPC Truncated Dome Detectable Warning Surface	54.38	9.50
		Note: Also raised strips or directional bars. All colors.		
32 17 26 00-0004	LF	24" Wide Temporary Truncated Dome Strips, Screw Down Only Into Asphalt Or Concrete	96.65	19.00
32 17 26 00-0005		Fiber-Reinforced, Polymer Modified Cement And Coated With Acrylic Resin Emulsion (SatetyStep TD) *(32 17 26)*		
		Note: Pre-molded tactile dome sheet. All colors.		
32 17 26 00-0006	SF	Up To 15 SF, Surface Applied Pre-Molded Tactile Warning Mat (SSTD-MAT)	80.26	9.50
		Note: Includes surface preparation, SSTD-589 adhesive, SSTD-100 topcoat sealer and SSTD-1250 finish. All colors. 2' or 3' width.		
32 17 26 00-0007	SF	>15 To 36 SF, Surface Applied Pre-Molded Tactile Warning Mat (SSTD-MAT)	71.71	9.50
		Note: Includes surface preparation, SSTD-589 adhesive, SSTD-100 topcoat sealer and SSTD-1250 finish. All colors. 2' or 3' width.		

32 18 Athletic and Recreational Surfacing *(32 10)*

32 18 16 Synthetic Resilient Surfacing *(32 18)*

32 18 16 13 Playground Protective Surfacing *(32 18 16)*

32 18 16 13-0001		Tile Playground Surface Material *(32 18 16 13)*		
		Note: Black. With or without channel bottom. Includes transition section and curbs. Excludes sub base.		
32 18 16 13-0002	SF	1-3/4" Thick, Resilient Rubber Tile Playground Surfacing	25.17	2.72
		For Manufacturer's Standard Colors, Add	*1.53*	
		For Interlocking Tiles, Add	*3.40*	
		For Mechanically Fastened, Add	*2.03*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0003	SF	2" Thick, Resilient Rubber Tile Playground Surfacing	25.68	2.88
		For Manufacturer's Standard Colors, Add	*1.53*	
		For Interlocking Tiles, Add	*3.40*	
		For Mechanically Fastened, Add	*2.13*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0004	SF	2-1/4" Thick, Resilient Rubber Tile Playground Surfacing	26.70	3.22
		For Manufacturer's Standard Colors, Add	*1.53*	
		For Interlocking Tiles, Add	*3.40*	
		For Mechanically Fastened, Add	*2.34*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0005	SF	2-1/2" Thick, Resilient Rubber Tile Playground Surfacing	27.72	3.56
		For Manufacturer's Standard Colors, Add	*1.53*	
		For Interlocking Tiles, Add	*3.40*	
		For Mechanically Fastened, Add	*2.54*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 16 13-0006	SF	2-3/4" Thick, Resilient Rubber Tile Playground Surfacing	30.94	3.90
		For Manufacturer's Standard Colors, Add	*1.15*	
		For Interlocking Tiles, Add	*3.85*	
		For Mechanically Fastened, Add	*2.74*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0007	SF	3" Thick, Resilient Rubber Tile Playground Surfacing	32.07	4.28
		For Manufacturer's Standard Colors, Add	*1.15*	
		For Interlocking Tiles, Add	*3.85*	
		For Mechanically Fastened, Add	*2.97*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0008	SF	3-1/4" Thick, Resilient Rubber Tile Playground Surfacing	33.24	4.66
		For Manufacturer's Standard Colors, Add	*1.15*	
		For Interlocking Tiles, Add	*3.85*	
		For Mechanically Fastened, Add	*3.20*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0009	SF	3-1/2" Thick, Resilient Rubber Tile Playground Surfacing	36.54	4.99
		For Manufacturer's Standard Colors, Add	*0.64*	
		For Interlocking Tiles, Add	*4.29*	
		For Mechanically Fastened, Add	*3.42*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0010	SF	3-3/4" Thick, Resilient Rubber Tile Playground Surfacing	37.56	5.40
		For Manufacturer's Standard Colors, Add	*0.64*	
		For Interlocking Tiles, Add	*4.29*	
		For Mechanically Fastened, Add	*3.62*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0011	SF	4" Thick, Resilient Rubber Tile Playground Surfacing	38.68	5.70
		For Manufacturer's Standard Colors, Add	*0.64*	
		For Interlocking Tiles, Add	*4.29*	
		For Mechanically Fastened, Add	*3.84*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0012	SF	4-1/2" Thick, Resilient Rubber Tile Playground Surfacing	44.51	6.42
		For Manufacturer's Standard Colors, Add	*0.63*	
		For Interlocking Tiles, Add	*5.03*	
		For Mechanically Fastened, Add	*4.27*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	

32 18 16 13-0013 Loose Laid Playground Surface Material *(32 18 16 13)*

Note: Excludes sub base.

32 18 16 13-0014	SF	3" Loose Laid Wood Fiber Safety Playground Surfacing	1.98	0.41
32 18 16 13-0015	SF	6" Loose Laid Wood Fiber Safety Playground Surfacing	2.64	0.51
32 18 16 13-0016	SF	9" Loose Laid Wood Fiber Safety Playground Surfacing	3.37	0.61
32 18 16 13-0017	SF	12" Loose Laid Wood Fiber Safety Playground Surfacing	4.76	0.92
32 18 16 13-0018	SF	3" Loose Laid Synthetic Fiber Safety Playground Surfacing	3.01	0.41
32 18 16 13-0019	SF	6" Loose Laid Synthetic Fiber Safety Playground Surfacing	3.72	0.51
32 18 16 13-0020	SF	9" Loose Laid Synthetic Fiber Safety Playground Surfacing	5.73	0.61
32 18 16 13-0021	SF	12" Loose Laid Synthetic Fiber Safety Playground Surfacing	7.14	0.92
32 18 16 13-0022	SF	8" FIBAR System Playground Surfacing Note: Includes drainage system on 6" centers, felt, edge railing and 8" wood fiber.	12.11	1.52
32 18 16 13-0023	SF	12" FIBAR System Playground Surfacing Note: Includes drainage system on 6" centers, felt, edge railing and 12" wood fiber.	15.40	2.04

32 18 16 13-0024 Poured In Place Playground Surfacing *(32 18 16 13)*

Note: Includes SBR base mat, 100% color ethylene propylene diene monomer (EPDM) top surface and 5 year warranty. Includes primer for base mat and top surface. Includes all colors. Excludes base preparation.

32 18 16 13-0025	SF	1-3/4" Thick, Up To 4' Critical Fall Height, Poured In Place Rubber Playground Surfacing	19.68	2.93
		For Up To 2,000, Add	*3.95*	
		For >2,000 To 3,000, Add	*2.79*	
		For >3,000 To 4,000, Add	*1.90*	
		For >4,000 To 5,000, Add	*1.21*	
		For >5,000 To 7,000, Add	*0.50*	
		For Aliphatic (Non-Yellowing) Binder, Add	*4.41*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.60*	
32 18 16 13-0026	SF	2" Thick, 5' Critical Fall Height, Poured In Place Rubber Playground Surfacing	20.30	3.25
		For Up To 2,000, Add	*4.08*	
		For >2,000 To 3,000, Add	*2.87*	
		For >3,000 To 4,000, Add	*1.96*	
		For >4,000 To 5,000, Add	*1.25*	
		For >5,000 To 7,000, Add	*0.52*	
		For Aliphatic (Non-Yellowing) Binder, Add	*4.41*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.60*	
32 18 16 13-0027	SF	2-1/2" Thick, 6' Critical Fall Height, Poured In Place Rubber Playground Surfacing	21.92	3.71
		For Up To 2,000, Add	*4.40*	
		For >2,000 To 3,000, Add	*3.10*	
		For >3,000 To 4,000, Add	*2.11*	
		For >4,000 To 5,000, Add	*1.35*	
		For >5,000 To 7,000, Add	*0.56*	
		For Aliphatic (Non-Yellowing) Binder, Add	*4.41*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 16 13-0028	SF	3" Thick, 7' Critical Fall Height, Poured In Place Rubber Playground Surfacing	23.68	3.95
		For Up To 2,000, Add	*4.75*	
		For >2,000 To 3,000, Add	*3.35*	
		For >3,000 To 4,000, Add	*2.28*	
		For >4,000 To 5,000, Add	*1.46*	
		For >5,000 To 7,000, Add	*0.61*	
		For Aliphatic (Non-Yellowing) Binder, Add	*4.41*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.60*	
32 18 16 13-0029	SF	3-1/2" Thick, 8' Critical Fall Height, Poured In Place Rubber Playground Surfacing	25.42	4.15
		For Up To 2,000, Add	*5.11*	
		For >2,000 To 3,000, Add	*3.60*	
		For >3,000 To 4,000, Add	*2.45*	
		For >4,000 To 5,000, Add	*1.56*	
		For >5,000 To 7,000, Add	*0.65*	
		For Aliphatic (Non-Yellowing) Binder, Add	*4.41*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.60*	
32 18 16 13-0030	SF	4" Thick, 9' Critical Fall Height, Poured In Place Rubber Playground Surfacing	26.91	4.39
		For Up To 2,000, Add	*5.40*	
		For >2,000 To 3,000, Add	*3.81*	
		For >3,000 To 4,000, Add	*2.59*	
		For >4,000 To 5,000, Add	*1.66*	
		For >5,000 To 7,000, Add	*0.69*	
		For Aliphatic (Non-Yellowing) Binder, Add	*4.41*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.60*	
32 18 16 13-0031	SF	4-1/2" Thick, 10' Critical Fall Height, Poured In Place Rubber Playground Surfacing	28.66	4.63
		For Up To 2,000, Add	*5.75*	
		For >2,000 To 3,000, Add	*4.06*	
		For >3,000 To 4,000, Add	*2.76*	
		For >4,000 To 5,000, Add	*1.76*	
		For >5,000 To 7,000, Add	*0.73*	
		For Aliphatic (Non-Yellowing) Binder, Add	*4.41*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.60*	
32 18 16 13-0032	SF	5-1/2" Thick, 12' Critical Fall Height, Poured In Place Rubber Playground Surfacing	32.15	5.19
		For Up To 2,000, Add	*6.45*	
		For >2,000 To 3,000, Add	*4.55*	
		For >3,000 To 4,000, Add	*3.10*	
		For >4,000 To 5,000, Add	*1.98*	
		For >5,000 To 7,000, Add	*0.82*	
		For Aliphatic (Non-Yellowing) Binder, Add	*4.41*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.60*	
32 18 16 13-0033	SF	1/2" Top Only, Poured In Place Playground Surfacing Note: Not used with new surfacing system tasks.	12.86	
		For Up To 2,000, Add	*3.89*	
		For >2,000 To 3,000, Add	*2.52*	
		For >3,000 To 4,000, Add	*1.54*	
		For >4,000 To 5,000, Add	*0.93*	
		For >5,000 To 7,000, Add	*0.42*	
		For Aliphatic (Non-Yellowing) Binder, Add	*4.41*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.60*	
32 18 16 13-0034	EA	Simple Graphics Including Hopscotch, Four Square Or Geometric Shapes (5 Per 1,000 SF) For Poured In Place Playground Surfacing	2,884.16	

32 18 16 13-0035 Synthetic Playground Turf (Sporturf) *(32 18 16 13)*

Note: Excludes base preparation, aggregate, or drainage.

32 18 16 13-0036	SF	60 OZ/SY Face Weight, Tufted Polyethylene Monofilament Classic Spine/ Texturized Polypropylene Synthetic Turf (Sporturf PL929)	11.01	
32 18 16 13-0037	SF	71 OZ/SY Face Weight, Tufted Polyethylene Monofilament Classic Spine/ Texturized Polypropylene Synthetic Turf (Mirage PL906)	9.70	
32 18 16 13-0038	SF	2" Foam Padding (Sporturf)	6.27	
32 18 16 13-0039	CF	Sand/Rubber Infill (Sporturf)	60.30	

32 18 23 Athletic Surfacing *(32 18)*

32 18 23 13 Baseball Field Surfacing *(32 18 23)*

32 18 23 13-0001 Infield Dust *(32 18 23 13)*

32 18 23 13-0002	SF	4" Deep Red Brick Infield Mix	5.07	0.73

32 18 23 13-0003 Clay Infield Maintenance *(32 18 23 13)*

32 18 23 13-0004	MSF	Playing Field Maintenance (Clay - Nail Drag)	13.23
32 18 23 13-0005	MSF	Playing Field Maintenance (Clay - Screen Drag)	13.23
32 18 23 13-0006	CY	Playing Field Maintenance Of Clay	113.16
32 18 23 13-0007	Ton	Medium Pro Baseball Infield Mix (Diamond Select 60/40 Pro Infield Mix)	189.21

32 18 23 23 Field Sport Surfacing *(32 18 23)*

32 18 23 23-0001 Turf Field Maintenance *(32 18 23 23)*

32 18 23 23-0002	ACR	Turf Aeration (Minimum 6" Penetration)	178.02
32 18 23 23-0003	MSF	Top Dressing 1/8" - 1/4" Sand	16.89
32 18 23 23-0004	BAG	Envirofill, 50 Lb. Bag	129.91

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 18 23 29 Synthetic Field Sport Surfacing *(32 18 23)*

32 18 23 29-0001 Synthetic Field Sport Surfacing *(32 18 23 29)*

32 18 23 29-0002 Synthetic Turf (AstroTurf) *(32 18 23 29-0001)*
Note: Includes labor, equipment and material required to install the task.

32 18 23 29-0003 Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT) *(32 18 23 29-0002)*

32 18 23 29-0004 38 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 38) *(32 18 23 29-0003)*

32 18 23 29-0005	SF	38 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 38)	8.70
		For Ambient Rubber And Sand Infill, Add	*0.10*
		For Cryo Rubber Infill, Add	*0.26*
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.31*
		For Cryo Rubber And Sand Infill, Add	*0.36*
32 18 23 29-0006	EA	Football Markings For AstroTurf® GameDay Grass™ MT 38 Fields	28,277.14
32 18 23 29-0007	EA	Baseball Markings For AstroTurf® GameDay Grass™ MT 38 Fields	23,048.54
32 18 23 29-0008	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 38 Fields Note: Per sport.	6,935.90
32 18 23 29-0009	EA	End Zone Lettering For AstroTurf® GameDay Grass™ MT 38 Fields Note: Per letter. Excludes outline.	2,560.95
32 18 23 29-0010	EA	Colored End Zone For AstroTurf® GameDay Grass™ MT 38 Fields Note: Per end zone.	2,454.24
32 18 23 29-0011	EA	Simple Logo For AstroTurf® GameDay Grass™ MT 38 Fields Note: Block letter.	21,341.24
32 18 23 29-0012	EA	Deluxe Logo For AstroTurf® GameDay Grass™ MT 38 Fields Note: Graphic.	30,944.80

32 18 23 29-0013 41 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 41) *(32 18 23 29-0003)*

32 18 23 29-0014	SF	41 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 41)	9.99
		For Ambient Rubber And Sand Infill, Add	*0.10*
		For Cryo Rubber Infill, Add	*0.26*
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.31*
		For Cryo Rubber And Sand Infill, Add	*0.36*
32 18 23 29-0015	EA	Football Markings For AstroTurf® GameDay Grass™ MT 41 Fields	28,810.85
32 18 23 29-0016	EA	Baseball Markings For AstroTurf® GameDay Grass™ MT 41 Fields	23,902.33
32 18 23 29-0017	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 41 Fields Note: Per sport.	7,469.48
32 18 23 29-0018	EA	End Zone Lettering For AstroTurf® GameDay Grass™ MT 41 Fields Note: Per letter. Excludes outline.	2,774.38
32 18 23 29-0019	EA	Colored End Zone For AstroTurf® GameDay Grass™ MT 41 Fields Note: Per end zone.	2,560.96
32 18 23 29-0020	EA	Simple Logo For AstroTurf® GameDay Grass™ MT 41 Fields Note: Block letter.	22,408.44
32 18 23 29-0021	EA	Deluxe Logo For AstroTurf® GameDay Grass™ MT 41 Fields Note: Graphic.	32,492.23

32 18 23 29-0022 45 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 45) *(32 18 23 29-0003)*

32 18 23 29-0023	SF	45 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 45)	10.18
		For Ambient Rubber And Sand Infill, Add	*0.10*
		For Cryo Rubber Infill, Add	*0.26*
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.31*
		For Cryo Rubber And Sand Infill, Add	*0.36*
32 18 23 29-0024	EA	Football Markings For AstroTurf® GameDay Grass™ MT 45 Fields	29,344.38
32 18 23 29-0025	EA	Baseball Markings For AstroTurf® GameDay Grass™ MT 45 Fields	25,823.06
32 18 23 29-0026	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 45 Fields Note: Per sport.	8,003.01
32 18 23 29-0027	EA	End Zone Lettering For AstroTurf® GameDay Grass™ MT 45 Fields Note: Per letter. Excludes outline.	2,987.79
32 18 23 29-0028	EA	Colored End Zone For AstroTurf® GameDay Grass™ MT 45 Fields Note: Per end zone.	2,667.67
32 18 23 29-0029	EA	Simple Logo For AstroTurf® GameDay Grass™ MT 45 Fields Note: Block letter.	23,475.50
32 18 23 29-0030	EA	Deluxe Logo For AstroTurf® GameDay Grass™ MT 45 Fields Note: Graphic.	34,039.48

32 18 23 29-0031 Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D) *(32 18 23 29-0002)*

32 18 23 29-0032 52 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3DX 52) *(32 18 23 29-0031)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0033	SF	52 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3DX 52)	11.38	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.20*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.25*	
		For Cryo Rubber And Sand Infill, Add	*0.30*	
32 18 23 29-0034	EA	Football Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields	30,411.27	
32 18 23 29-0035	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields	32,438.68	
32 18 23 29-0036	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields Note: Per sport.	9,070.03	
32 18 23 29-0037	EA	End Zone Lettering For AstroTurf® GameDay Grass™ 3DX 52 Fields Note: Per letter. Excludes outline.	3,414.60	
32 18 23 29-0038	EA	Colored End Zone For AstroTurf® GameDay Grass™ 3DX 52 Fields Note: Per end zone.	2,881.07	
32 18 23 29-0039	EA	Simple Logo For AstroTurf® GameDay Grass™ 3DX 52 Fields Note: Block letter.	25,609.49	
32 18 23 29-0040	EA	Deluxe Logo For AstroTurf® GameDay Grass™ 3DX 52 Fields Note: Graphic.	37,133.76	

32 18 23 29-0041 60 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3DX 60) *(32 18 23 29-0031)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0042	SF	60 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3DX 60)	11.77	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.20*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.25*	
		For Cryo Rubber And Sand Infill, Add	*0.30*	
32 18 23 29-0043	EA	Football Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields	30,944.80	
32 18 23 29-0044	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields	36,066.70	
32 18 23 29-0045	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields Note: Per sport.	9,603.56	
32 18 23 29-0046	EA	End Zone Lettering For AstroTurf® GameDay Grass™ 3DX 60 Fields Note: Per letter. Excludes outline.	3,628.01	
32 18 23 29-0047	EA	Colored End Zone For AstroTurf® GameDay Grass™ 3DX 60 Fields Note: Per end zone.	2,987.77	
32 18 23 29-0048	EA	Simple Logo For AstroTurf® GameDay Grass™ 3DX 60 Fields Note: Block letter.	26,676.55	
32 18 23 29-0049	EA	Deluxe Logo For AstroTurf® GameDay Grass™ 3DX 60 Fields Note: Graphic.	38,681.00	

32 18 23 29-0050 52 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D 52) *(32 18 23 29-0031)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0051	SF	52 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3D 52)	11.79	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.20*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.25*	
		For Cryo Rubber And Sand Infill, Add	*0.30*	
32 18 23 29-0052	EA	Football Markings For AstroTurf® GameDay Grass™ 3D 52 Fields	31,478.33	
32 18 23 29-0053	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3D 52 Fields	36,280.11	
32 18 23 29-0054	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3D 52 Fields Note: Per sport.	10,137.09	
32 18 23 29-0055	EA	End Zone Lettering For AstroTurf® GameDay Grass™ 3D 52 Fields Note: Per letter. Excludes outline.	3,841.42	
32 18 23 29-0056	EA	Colored End Zone For AstroTurf® GameDay Grass™ 3D 52 Fields Note: Per end zone.	3,094.48	
32 18 23 29-0057	EA	Simple Logo For AstroTurf® GameDay Grass™ 3D 52 Fields Note: Block letter.	27,743.61	
32 18 23 29-0058	EA	Deluxe Logo For AstroTurf® GameDay Grass™ 3D 52 Fields Note: Graphic.	40,228.24	

32 18 23 29-0059 60 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D 60) *(32 18 23 29-0031)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0060	SF	60 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3D 60)	12.02	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.20*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.25*	
		For Cryo Rubber And Sand Infill, Add	*0.30*	
32 18 23 29-0061	EA	Football Markings For AstroTurf® GameDay Grass™ 3D 60 Fields	32,011.86	
32 18 23 29-0062	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3D 60 Fields	38,627.64	
32 18 23 29-0063	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3D 60 Fields Note: Per sport.	10,670.62	
32 18 23 29-0064	EA	End Zone Lettering For AstroTurf® GameDay Grass™ 3D 60 Fields Note: Per letter. Excludes outline.	4,268.25	
32 18 23 29-0065	EA	Colored End Zone For AstroTurf® GameDay Grass™ 3D 60 Fields Note: Per end zone.	3,201.19	
32 18 23 29-0066	EA	Simple Logo For AstroTurf® GameDay Grass™ 3D 60 Fields Note: Block letter.	28,810.67	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0067	EA	Deluxe Logo For AstroTurf® GameDay Grass™ 3D 60 Fields Note: Graphic.	41,775.48	

32 18 23 29-0068 Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ XPe) *(32 18 23 29-0002)*

32 18 23 29-0069 38 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ XPe 38) *(32 18 23 29-0068)*

32 18 23 29-0070	SF	38 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ XPe 38)	9.60	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.26*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.31*	
		For Cryo Rubber And Sand Infill, Add	*0.36*	
32 18 23 29-0071	EA	Football Markings For AstroTurf® GameDay Grass™ XPe 38 Fields	27,210.24	
32 18 23 29-0072	EA	Baseball Markings For AstroTurf® GameDay Grass™ XPe 38 Fields	20,060.89	
32 18 23 29-0073	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ XPe 38 Fields Note: Per sport.	5,868.88	
32 18 23 29-0074	EA	End Zone Lettering For AstroTurf® GameDay Grass™ XPe 38 Fields Note: Per letter. Excludes outline.	2,134.14	
32 18 23 29-0075	EA	Colored End Zone For AstroTurf® GameDay Grass™ XPe 38 Fields Note: Per end zone.	2,240.84	
32 18 23 29-0076	EA	Simple Logo For AstroTurf® GameDay Grass™ XPe 38 Fields Note: Block letter.	19,207.23	
32 18 23 29-0077	EA	Deluxe Logo For AstroTurf® GameDay Grass™ XPe 38 Fields Note: Graphic.	27,850.49	

32 18 23 29-0078 42 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ XPe 42) *(32 18 23 29-0068)*

32 18 23 29-0079	SF	42 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ XPe 42)	8.44	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.26*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.31*	
		For Cryo Rubber And Sand Infill, Add	*0.36*	
32 18 23 29-0080	EA	Football Markings For AstroTurf® GameDay Grass™ XPe 42 Fields	27,743.61	
32 18 23 29-0081	EA	Baseball Markings For AstroTurf® GameDay Grass™ XPe 42 Fields	21,341.24	
32 18 23 29-0082	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ XPe 42 Fields Note: Per sport.	6,402.37	
32 18 23 29-0083	EA	End Zone Lettering For AstroTurf® GameDay Grass™ XPe 42 Fields Note: Per letter. Excludes outline.	2,347.54	
32 18 23 29-0084	EA	Colored End Zone For AstroTurf® GameDay Grass™ XPe 42 Fields Note: Per end zone.	2,347.54	
32 18 23 29-0085	EA	Simple Logo For AstroTurf® GameDay Grass™ XPe 42 Fields Note: Block letter.	20,274.18	
32 18 23 29-0086	EA	Deluxe Logo For AstroTurf® GameDay Grass™ XPe 42 Fields Note: Graphic.	29,397.56	

32 18 23 29-0087 Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Attached Pad (AstroTurf® PureGrass®) *(32 18 23 29-0002)*

32 18 23 29-0088	SF	Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Attached Pad (AstroTurf® PureGrass®)	18.86	
32 18 23 29-0089	SF	Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® PureGrass®)	16.90	
32 18 23 29-0090	EA	Football Markings For AstroTurf® PureGrass® Fields	52,652.55	
32 18 23 29-0091	EA	Baseball Markings For AstroTurf® PureGrass® Fields	62,553.03	
32 18 23 29-0092	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® PureGrass® Fields Note: Per sport.	15,300.74	
32 18 23 29-0093	EA	End Zone Lettering For AstroTurf® PureGrass® Fields Note: Per letter. Excludes outline.	5,850.28	
32 18 23 29-0094	EA	Colored End Zone For AstroTurf® PureGrass® Fields Note: Per end zone.	4,342.48	
32 18 23 29-0095	EA	Simple Logo For AstroTurf® PureGrass® Fields Note: Block letter.	39,082.31	
32 18 23 29-0096	EA	Deluxe Logo For AstroTurf® PureGrass® Fields Note: Graphic.	57,377.78	

32 18 23 29-0097 Synthetic Turf (G9 Turf) *(32 18 23 29-0001)*

Note: Includes labor, equipment and material required to install the task.

32 18 23 29-0098	SF	2-1/2" Height, 53 Ounce, Tufted 3/8" Gauge Monofilament Synthetic Turf With Thatch Layer And Ethylene Propylene Diene Monomer (EPDM) Infill (G9 Turf Playmaker Turf) Note: For football and multi-sport fields. Excludes preparation of sub-base, grooming, sports lines and logos.	10.44	
		For >35,000, Deduct	*-0.94*	
32 18 23 29-0099	SF	2" Height, 48 Ounce, Tufted 3/8" Gauge Monofilament Synthetic Turf With Thatch Layer And Ethylene Propylene Diene Monomer (EPDM) Infill (G9 Turf Striker Turf) Note: For all sports other than football. Excludes preparation of sub-base, grooming, sports lines and logos.	10.34	
		For >35,000, Deduct	*-0.93*	
32 18 23 29-0100	SF	1-3/4" Height, 72 Ounce, Tufted 3/8" Gauge, Two-Color Monofilament Synthetic Turf With Thatch Layer And Acrylic Coated Sand Infill (G9 Turf Perennial Turf) Note: For landscaped areas or playgrounds. Excludes preparation of sub-base, grooming, sports lines and logos.	10.80	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0101	EA	Football Inlays For G9 Synthetic Turf Note: Includes field grid, numbers, arrows, coach's box and kick off lines.	72,806.55	
32 18 23 29-0102	EA	Soccer Inlays For G9 Synthetic Turf	31,549.50	
32 18 23 29-0103	EA	Boys Lacrosse Inlays For G9 Synthetic Turf	31,549.50	
32 18 23 29-0104	EA	Girls Lacrosse Inlays For G9 Synthetic Turf	31,549.50	
32 18 23 29-0105	EA	Field Hockey Inlays For G9 Synthetic Turf	31,549.50	
32 18 23 29-0106	EA	End Zone Lettering For G9 Synthetic Turf Note: Priced per letter. Includes single color outlining.	3,640.33	
32 18 23 29-0107	SF	Ethylene Propylene Diene Monomer (EPDM) Black Infill For G9 Synthetic Turf	3.41	
32 18 23 29-0108	SF	Ethylene Propylene Diene Monomer (EPDM) Color Infill For G9 Synthetic Turf	8.90	
32 18 23 29-0109	SF	Styrene-Butadiene Rubber (SBR) Infill For G9 Synthetic Turf	2.54	
32 18 23 29-0110	SF	Sand Infill For G9 Synthetic Turf	1.28	
32 18 23 29-0111	SF	Acrylic Coated Sand Infill For G9 Synthetic Turf	2.10	
32 18 23 29-0112	EA	Gmax Compaction And Hardness Test For G9 Synthetic Turf Note: Includes a comprehensive report.	2,426.88	
32 18 23 29-0113	EA	Safety Bridge Over Track For G9 Synthetic Turf	24,268.85	
32 18 23 29-0114	SF	Clean And Groom Synthetic Turf Note: Includes using equipment to pick up metal particles in the field, air vacuum the top 2-5 mm of infill, clean and screen to remove broken strands, dirt, bandage, etc.	0.80	
		For >10,000 To 30,000, Deduct	*-0.32*	
		For >30,000 To 60,000, Deduct	*-0.56*	
		For >60,000, Deduct	*-0.61*	
32 18 23 29-0115	SF	Rejuvenate Synthetic Turf And Reinstall Existing Infill Note: Includes using equipment to extract 10 to 20 mm of infill by delivering high-pressure air into the carpet, decompacting the surface and driving out the infill leaving the fiber standing straight up. Includes reinstalling the old infill that was removed.	5.44	
32 18 23 29-0116	SF	Rejuvenate Synthetic Turf For Installation Of New Infill Note: Includes using equipment to extract 10 to 20 mm of infill by delivering high-pressure air into the carpet, decompacting the surface and driving out the infill leaving the fiber standing straight up. Includes disposing of the old infill. Excludes new infill.	6.05	
32 18 23 29-0117	SF	Drainage Layer For G9 Synthetic Turf Note: Used for drainage over asphalt or on rooftops.	4.96	
32 18 23 29-0118	SF	15 mm, Shock Pad For G9 Synthetic Turf Note: Used for additional Gmax for a stone base field.	3.05	
32 18 23 29-0119	EA	Single Visit Repair Call To Repair Up To 300 LF Of Inlay Lines Or Seams On G9 Synthetic Turf Note: Includes field inspection and report.	4,836.60	
32 18 23 29-0120	LF	Repair Inlay Lines Or Seams On G9 Synthetic Turf Note: Linear foot price for repairs over the initial repair call maximum of 300 LF.	13.30	
32 18 23 29-0121	LF	Nailer Used To Attach G9 Synthetic Turf	5.32	
32 18 23 29-0122	SF	Removal And Recycling Of Existing Field Note: Includes removal, shipping and recycling of infill, fibers and backing.	3.75	

32 18 23 33 Running Track Surfacing *(32 18 23)*

32 18 23 33-0001 Running Track Surfacing *(32 18 23 33)*

32 18 23 33-0002	SY	2-1/2" Asphaltic Concrete Running Track Surfacing	36.13	

32 18 23 33-0003 Running Track Seal And Colored Surfaces *(32 18 23 33)*

32 18 23 33-0004	SY	1 Seal Coat, Striping Of Track Note: Includes certification.	16.47	

32 18 23 39 Synthetic Running Track Surfacing *(32 18 23)*

32 18 23 39-0001 Synthetic Running Track Surfacing And Striping *(32 18 23 39)*

Note: Includes labor, equipment and material required to install the task. Excludes asphalt base.

32 18 23 39-0002	SY	Paved-In-Place Styrene-Butadiene Rubber (SBR) Or Ethylene Propylene Diene Monomer (EPDM) Rubber Granule Base Mat With Polyurethane Binder, Synthetic Running Track Surfacing	86.20	7.58
		For >5,500, Deduct	*-6.70*	
		For Up To 4,000, Add	*21.30*	
32 18 23 39-0003	SY	Paved-In-Place Styrene-Butadiene Rubber (SBR) Granule Base Mat With Polyurethane Binder Finished With A Textured And Pigmented Polyurethane And Ethylene Propylene Diene Monomer (EPDM) Rubber Structural Spray Coat, Synthetic Running Track Surfacing	108.11	7.58
		For >5,500, Deduct	*-8.99*	
		For Up To 4,000, Add	*28.59*	
		For Custom Color Upgrade, Add	*7.76*	
		For Aliphatic Top Coating, Add	*14.70*	
32 18 23 39-0004	SY	Paved-In-Place Ethylene Propylene Diene Monomer (EPDM) Rubber Granule Base Mat With Polyurethane Binder, Two-Component Polyurethane Sealer Layer And Two-Component Polyurethane Wearing Layer With Embedded Ethylene Propylene Diene Monomer (EPDM) Rubber, Synthetic Running Track Surfacing	176.93	7.58
		For >5,500, Deduct	*-8.24*	
		For Up To 4,000, Add	*48.05*	
		For Custom Color Upgrade, Add	*10.57*	
		For Aliphatic Top Coating, Add	*19.63*	
32 18 23 39-0005	SY	Full Pour Two-Component Polyurethane Track System With Embedded Ethylene Propylene Diene Monomer (EPDM) Rubber Surface, Synthetic Running Track Surfacing	229.94	7.58
		For >5,500, Deduct	*-10.64*	
		For Up To 4,000, Add	*62.07*	
		For Custom Color Upgrade, Add	*13.83*	
		For Aliphatic Top Coating, Add	*20.22*	
32 18 23 39-0006	SY	Latex Binder, Synthetic Running Track Surfacing	78.01	
		For >5,500, Deduct	*-11.31*	
		For Up To 4,000, Add	*27.30*	

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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 39-0007	SY	Spray Retop Running Tracks	68.52	
		For Up To 4,000, Add	*23.98*	
		For >5,500, Deduct	*-6.70*	
32 18 23 39-0008	SY	Sandwich Retop Running Tracks	132.64	
		For Up To 4,000, Add	*46.42*	
		For >5,500, Deduct	*-13.98*	

32 18 23 53 Tennis Court Surfacing *(32 18 23)*

32 18 23 53-0001 Tennis Court Surfacing *(32 18 23 53)*

See CSI section 32 18 23 61-0000 for 100% acrylic tennis court surfacing., 32 18 23 61-0001 for 100% acrylic tennis court surfacing.

32 18 23 53-0002	SY	Tennis Court Bituminous Pavement, 2-1/2" Thick	37.16

32 18 23 53-0003 Tennis Court Markings *(32 18 23 53)*

32 18 23 53-0004	EA	Paint Markings On Asphalt Tennis Court 2 Coats	513.41

32 18 23 56 Natural Tennis Court Surfacing *(32 18 23)*

32 18 23 56-0001	SY	Clay Tennis Court	51.64
32 18 23 56-0002	SY	Tennis Court, Pulverized Natural Greenstone, Fast Dry Note: Includes 4" base.	57.38
32 18 23 56-0003	SY	Tennis Court, Rubber-Cork Base Resilient Pavement	20.94
32 18 23 56-0004	SY	Resurface Clay Tennis Court	15.27
32 18 23 56-0005	SY	Resurface Tennis Court, Pulverized Natural Greenstone	13.01
32 18 23 56-0006	SY	Resurface Tennis Court, Resilient Pavement	8.96

32 18 23 61 Multi-Use, Tennis Court, Basketball Court Athletic Surfacing *(32 18 23)*

32 18 23 61-0001 100% Acrylic Athletic Surfacing System (Plexipave®) *(32 18 23 61)*

Note: Excludes asphalt or concrete sub base and repairs of sub base.

32 18 23 61-0002 Surface Preparation For Athletic Surfacing System (Plexipave®) *(32 18 23 61-0001)*

32 18 23 61-0003	SY	100% Acrylic Resurfacer, Athletic Surfacing System (California Products Plexipave® Acrylic Resurfacer), Per Coat Note: Includes ultra fine silica sand. Applied with rubber squeegee.	1.68
32 18 23 61-0004	SY	Acid Etching Concrete Pre-Treatment For Plexipave® Athletic Surfacing System (California Products Plexipave® Concrete Preparer®), Per Coat Note: For previously uncoated portland cement concrete. Applied with broom.	0.84
32 18 23 61-0005	SY	Two-Part, Water Based Epoxy Primer For Plexipave® Athletic Surfacing System (California Products Plexipave® Ti-Coat®), Per Coat Note: For new or uncoated portland cement concrete. Applied with a short nap phenolic roller.	2.15
32 18 23 61-0006	SY	Up To 1/2" Thick, Acrylic Latex Patching Compound, Athletic Surfacing System (California Products Plexipave® Court Patch Binder), Per Coat Note: For patching depressions and uneven texture in new or existing asphalt or concrete surfaces. Includes ultra fine silica sand and portland cement. Applied with trowel or metal screed.	94.11

32 18 23 61-0007 Surface Coatings For Athletic Surfacing System (Plexipave®) *(32 18 23 61-0001)*

Note: Standard color includes dark green, Florida green, light green, maroon, Sahara sand, brown, California red, and cape gray.

32 18 23 61-0008	SY	100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), First Coat Note: Includes ultra fine silica sand. Applied with rubber squeegee.	3.36	
		For Pacific Blue, Add		*1.18*
		For US Open Blue, Add		*1.83*
32 18 23 61-0009	SY	100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), Second Coat Note: Includes ultra fine silica sand. Applied with rubber squeegee.	2.76	
		For Pacific Blue, Add		*0.85*
		For US Open Blue, Add		*1.31*
32 18 23 61-0010	SY	100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), Third Coat Note: Price per coat for third or additional coats. Includes ultra fine silica sand. Applied with rubber squeegee.	2.42	
		For Pacific Blue, Add		*0.66*
		For US Open Blue, Add		*1.02*
32 18 23 61-0011	SY	Non-Textured, 100% Acrylic Emulsion Color Coating Finish, Athletic Surfacing System (California Products Plexipave® Plexichrome®), Per Coat Note: Non-textured finish coat over Plexipave® for faster playing surfaces. Applied with rubber squeegee followed by wide hair-type push broom.	2.41	
		For Pacific Blue, Add		*0.79*
		For US Open Or Australian Open Blue, Add		*1.29*
		For Pro Purple, Add		*2.22*

32 18 23 61-0012 Line Striping For Athletic Surfacing System (Plexipave®) *(32 18 23 61-0001)*

32 18 23 61-0013	SY	Tennis Or Basketball Court Line Striping For Athletic Surfacing System, Per SY Of Court (California Products Plexipave® Hi-Hide Plexicolor®) Note: Textured or non-textured highly reflective line marking paint.	1.67

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 61-0014		Cushion Coatings For Athletic Surfacing System (Plexipave® Plexicushion®) *(32 18 23 61-0001)*		
32 18 23 61-0015	SY	Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), First Coat Note: Applied with rubber squeegee.	5.06	
32 18 23 61-0016	SY	Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), Second Coat Note: Applied with rubber squeegee.	6.84	
32 18 23 61-0017	SY	Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), Third Coat Note: Price per coat for third or additional coats. Applied with rubber squeegee.	5.91	
32 18 23 61-0018	SY	Resilient Latex Undercoating, Athletic Surfacing System (California Products Plexipave® Plexicushion®), First Coat Note: Applied with rubber squeegee.	4.47	
32 18 23 61-0019	SY	Resilient Latex Undercoating, Athletic Surfacing System (California Products Plexipave® Plexicushion®), Second Coat Note: Price per coat for second or additional coats. Applied with rubber squeegee.	3.46	
32 18 23 61-0020		Resurface Athletic Court *(32 18 23 61)* Note: Excludes asphalt or concrete sub base and repairs of sub base.		
32 18 23 61-0021	SY	Court Resurfacing System, 2 Coats Resurfacer, 2 Coats Color, And Sand (SealMaster)	2.89	

32 30 Site Improvements *(32)*

32 31 Fences and Gates *(32 30)*

32 31 11 Gate Operators *(32 31)*

32 31 11 00-0001		Gate Operators *(32 31 11)* Note: Excludes gates, electrical connections, access controls and concrete foundation.		
32 31 11 00-0002		Gate Operators (DKS™ DoorKing®) *(32 31 11 00-0001)*		
32 31 11 00-0003		Swing Gate Actuator (DKS™ DoorKing®) *(32 31 11 00-0002)*		
32 31 11 00-0004		Single Gate, Swing Gate Actuator *(32 31 11 00-0003)*		
32 31 11 00-0005	EA	Up To 10' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Actuator (DKS™ DoorKing® 6003) Note: Includes one primary operator with a 10' wide gate capacity.	2,043.51	249.02
32 31 11 00-0006	EA	Up To 14' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Actuator (DKS™ DoorKing® 6002) Note: Includes one primary operator with a 14' wide gate capacity.	2,713.22	249.02
32 31 11 00-0007		Dual Gate, Swing Gate Actuator *(32 31 11 00-0003)*		
32 31 11 00-0008	EA	Up To 10' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Actuator (DKS™ DoorKing® 6003) Note: Includes one primary and one secondary operator each with a 10' wide gate capacity.	4,087.03	498.03
32 31 11 00-0009	EA	Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Actuator (DKS™ DoorKing® 6002) Note: Includes one primary and one secondary operator each with a 14' wide gate capacity.	5,426.45	498.03
32 31 11 00-0010		Swing Gate Operators (DKS™ DoorKing®) *(32 31 11 00-0002)*		
32 31 11 00-0011		Single Gate, Swing Gate Operators *(32 31 11 00-0010)*		
32 31 11 00-0012	EA	400 Lb. Capacity, Up To 10' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6050) Note: Includes one primary operator with a 10' wide and 400 Lb. gate capacity.	4,138.49	249.02
32 31 11 00-0013	EA	500 Lb. Capacity, Up To 14' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6100) Note: Includes one primary operator with a 14' wide and 500 Lb. gate capacity.	4,499.11	249.02
32 31 11 00-0014	EA	700 Lb. Capacity, Up To 18' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6500) Note: Includes one primary operator with an 18' wide and 700 Lb. gate capacity.	6,096.10	249.02
		For 208/230/460 Volt AC, Add	*322.50*	
32 31 11 00-0015	EA	800 Lb. Capacity, Up To 22' Wide Gate, 1 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6500) Note: Includes one primary operator with a 22' wide and 800 Lb. gate capacity.	6,903.19	249.02
		For 208/230/460 Volt AC, Add	*322.50*	
32 31 11 00-0016		Dual Gate, Swing Gate Operators *(32 31 11 00-0010)*		
32 31 11 00-0017	EA	400 Lb. Capacity, Up To 10' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6050) Note: Includes one primary and one secondary operator each with a 10' wide and 400 Lb. gate capacity.	7,332.54	498.03
32 31 11 00-0018	EA	500 Lb. Capacity, Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6100) Note: Includes one primary and one secondary operator each with a 14' wide and 500 Lb. gate capacity.	8,053.76	498.03
32 31 11 00-0019	EA	700 Lb. Capacity, Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6500) Note: Includes one primary and one secondary operator each with an 18' wide and 700 Lb. gate capacity.	11,230.58	498.03
		For 208/230/460 Volt AC, Add	*322.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 11 00-0020	EA	800 Lb. Capacity, Up To 22' Wide Gates, 1 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6500)	12,999.30	498.03
		Note: Includes one primary and one secondary operator each with a 22' wide and 800 Lb. gate capacity.		
		For 208/230/460 Volt AC, Add	*322.50*	

32 31 11 00-0021 Sliding Gate Operators (DKS™ DoorKing®) *(32 31 11 00-0002)*

Note: Includes 20' of chain. See CSI section 32 31 11 00-0030 for additional chain over 20'.

32 31 11 00-0022	EA	300 Lb. Capacity, Up To 16' Wide Gate, 1/2 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9050)	1,957.04	249.02
		Note: Includes operator, chain brackets, hardware and 20' of #41 chain.		
32 31 11 00-0023	EA	1,000 Lb. Capacity, Up To 30' Wide Gate, 1/2 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9100)	2,719.84	298.82
		Note: Includes operator, chain brackets, hardware and 20' of #41 chain.		
32 31 11 00-0024	EA	1,500 Lb. Capacity, Up To 45' Wide Gate, 1 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9150)	3,338.82	298.82
		Note: Includes operator, chain brackets, hardware and 20' of #40 chain.		
32 31 11 00-0025	EA	3,000 Lb. Capacity, Up To 100' Wide Gate, 1 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9210)	4,344.77	348.62
		Note: Includes operator, chain brackets, hardware and 20' of #50 chain.		
32 31 11 00-0026	EA	2,000 Lb. Capacity, Up To 100' Wide Gate, 1 HP Motor, 208/230 Volt AC, Variable Speed, Sliding Gate Operator (DKS™ DoorKing® 9220)	5,299.76	348.62
		Note: Includes operator, chain brackets, hardware and 20' of #50 chain.		
32 31 11 00-0027	EA	5,000 Lb. Capacity, Up To 100' Wide Gate, 3 HP Motor, 208/230 Volt AC, Variable Speed, Sliding Gate Operator (DKS™ DoorKing® 9230)	7,203.25	398.43
		Note: Includes operator, chain brackets, hardware and 20' of #60 chain.		
32 31 11 00-0028	EA	5,000 Lb. Capacity, Up To 100' Wide Gate, 3 HP Motor, 208/230 Volt AC, High Speed, Sliding Gate Operator (DKS™ DoorKing® 9530)	11,938.41	398.43
		Note: Includes operator, chain brackets, hardware and 20' of #60 chain.		
32 31 11 00-0029	EA	10,000 Lb. Capacity, Up To 160' Wide Gate, 5 HP Motor, 208/230 Volt AC, High Speed, Sliding Gate Operator (DKS™ DoorKing® 9550)	20,155.42	448.23
		Note: Includes operator, chain brackets, hardware and 20' of #60 chain.		

32 31 11 00-0030 Accessories For Gate Actuators And Operators (DKS™ DoorKing®) *(32 31 11 00-0002)*

32 31 11 00-0031	EA	Single Channel Detector Loop For Gate Actuators And Operators (DKS™ DoorKing® 9410)	691.20
32 31 11 00-0032	EA	Two Channel Detector Loop For Gate Actuators And Operators (DKS™ DoorKing® 9409)	1,346.34
32 31 11 00-0033	EA	Heater Kit For Gate Actuators And Operators (DKS™ DoorKing® 1601)	886.09
32 31 11 00-0034	EA	Photoelectric Eye For Gate Actuators And Operators (DKS™ DoorKing® 8080-031)	968.53
32 31 11 00-0035	EA	Reversing Edge Sensor For Gate Actuators And Operators (DKS™ DoorKing® 8080-020)	865.50
32 31 11 00-0036	EA	Post Mount Base Plate For Gate Actuators And Operators (DKS™ DoorKing® 9310)	616.50
32 31 11 00-0037	LF	#40 Chain For Sliding Gate Operators	6.06
32 31 11 00-0038	LF	#41 Chain For Sliding Gate Operators	6.32
32 31 11 00-0039	LF	#50 Chain For Sliding Gate Operators	8.04
32 31 11 00-0040	LF	#60 Chain For Sliding Gate Operators	12.29
32 31 11 00-0041	EA	Exterior Keypad Gate Operator (Linear AK-11)	751.97

32 31 11 00-0042 Sliding Gate Operator (LiftMaster) *(32 31 11 00-0001)*

32 31 11 00-0043	EA	Up To 1,500 Lb. Capacity, 120/230 Volt, Single Phase, Sliding Gate Operator With 24 Volt DC Motor (Liftmaster® CSL24U)	2,919.19	305.19
		Note: Includes 24 VDC Battery Back-up (208 Cycle), 30' Chain, Retro-Reflective Photoelectric Sensor and Reflector Hoods (LMRRUL) and 5' Resistive Safety Edge (S505AL), Receiver Stores Upto 50 Remote Controls.		
		For Monitored Wireless Edge Receiver And Transmitter Option (Liftmaster LMWEKITU), Add	*191.03*	
		For Plug-In Loop Detector Option (Liftmaster LOOPDETLM), Add	*136.74*	
		For Wireless Keypad Option (Liftmaster KPW250), Add	*280.85*	
		For LED Strobe Light With Siren (Liftmaster SL-1301-SAQ), Add	*67.34*	
		For Post Mounting Platel (Liftmaster MPEL), Add	*252.04*	
		For 10 Watt Solar Panel (Liftmaster SP10W12V), Add	*270.67*	
		For Each Additional 10' Chain, Add	*40.54*	
		For 2-Button Remote Control (Liftmaster 892LT), Add	*38.32*	

32 31 13 Chain Link Fences and Gates *(32 31)*

32 31 13 13 Chain Link Fences and Gates *(32 31 13)*

32 31 13 13-0001 Post Holes *(32 31 13 13)*

Note: Excludes spreading of excess material on site or loading and removal of excavated material from site. See CSI section 02 41 19 13-0083 for core drilling in concrete, 02 41 19 13-0221 for core drilling in asphalt.

32 31 13 13-0002 Auger By Machine Fence Post Hole In Soil *(32 31 13 13-0001)*

32 31 13 13-0003	VLF	Up To 2-1/2" Diameter Hole, Auger By Machine Fence Post Hole In Soil	10.64
32 31 13 13-0004	VLF	2-1/2" Diameter Hole, Auger By Machine Fence Post Hole In Soil	11.97
32 31 13 13-0005	VLF	3" Diameter Hole, Auger By Machine Fence Post Hole In Soil	14.18
32 31 13 13-0006	VLF	4" Diameter Hole, Auger By Machine Fence Post Hole In Soil	15.96
32 31 13 13-0007	VLF	6" Diameter Hole, Auger By Machine Fence Post Hole In Soil	17.41
32 31 13 13-0008	VLF	8" Diameter Hole, Auger By Machine Fence Post Hole In Soil	19.14
32 31 13 13-0009	VLF	10" Diameter Hole, Auger By Machine Fence Post Hole In Soil	21.27
32 31 13 13-0010	VLF	12" Diameter Hole, Auger By Machine Fence Post Hole In Soil	23.93
32 31 13 13-0011	VLF	18" Diameter Hole, Auger By Machine Fence Post Hole In Soil	27.36
32 31 13 13-0012	VLF	24" Diameter Hole, Auger By Machine Fence Post Hole In Soil	31.91
32 31 13 13-0013	VLF	30" Diameter Hole, Auger By Machine Fence Post Hole In Soil	38.30
32 31 13 13-0014	VLF	36" Diameter Hole, Auger By Machine Fence Post Hole In Soil	47.87

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0015		**Post Hole In Rock** *(32 31 13 13-0001)*		
32 31 13 13-0016	CF	Jackhammer Post Hole In Rock	81.85	
32 31 13 13-0017	CF	Rock Drill Post Hole In Rock	21.77	
32 31 13 13-0018		**Fill For Post Holes** *(32 31 13 13-0001)*		
		See CSI section 03 21 00 00-0000 for reinforcing steel.		
32 31 13 13-0019		**Concrete Fill For Post Holes** *(32 31 13 13-0018)*		
32 31 13 13-0020	VLF	Up To 2-1/2" Diameter, Concrete Fill For Post Hole	6.55	
32 31 13 13-0021	VLF	2-1/2" Diameter, Concrete Fill For Post Hole	8.42	
32 31 13 13-0022	VLF	3" Diameter, Concrete Fill For Post Hole	9.26	
32 31 13 13-0023	VLF	4" Diameter, Concrete Fill For Post Hole	10.64	
32 31 13 13-0024	VLF	6" Diameter, Concrete Fill For Post Hole	14.99	
32 31 13 13-0025	VLF	8" Diameter, Concrete Fill For Post Hole	20.01	
32 31 13 13-0026	VLF	10" Diameter, Concrete Fill For Post Hole	24.46	
32 31 13 13-0027	VLF	12" Diameter, Concrete Fill For Post Hole	28.53	
32 31 13 13-0028	VLF	18" Diameter, Concrete Fill For Post Hole	38.83	
32 31 13 13-0029	VLF	24" Diameter, Concrete Fill For Post Hole	48.13	
32 31 13 13-0030	VLF	30" Diameter, Concrete Fill For Post Hole	57.20	
32 31 13 13-0031	VLF	36" Diameter, Concrete Fill For Post Hole	66.62	
32 31 13 13-0032		**Grout Fill For Post Holes** *(32 31 13 13-0018)*		
32 31 13 13-0033	VLF	Up To 2-1/2" Diameter, Grout Fill For Post Hole	7.78	
32 31 13 13-0034	VLF	2-1/2" Diameter, Grout Fill For Post Hole	10.02	
32 31 13 13-0035	VLF	3" Diameter, Grout Fill For Post Hole	10.90	
32 31 13 13-0036	VLF	4" Diameter, Grout Fill For Post Hole	12.24	
32 31 13 13-0037	VLF	6" Diameter, Grout Fill For Post Hole	17.09	
32 31 13 13-0038	VLF	8" Diameter, Grout Fill For Post Hole	22.81	
32 31 13 13-0039	VLF	10" Diameter, Grout Fill For Post Hole	27.80	
32 31 13 13-0040	VLF	12" Diameter, Grout Fill For Post Hole	32.26	
32 31 13 13-0041	VLF	18" Diameter, Grout Fill For Post Hole	43.08	
32 31 13 13-0042	VLF	24" Diameter, Grout Fill For Post Hole	52.60	
32 31 13 13-0043	VLF	30" Diameter, Grout Fill For Post Hole	61.81	
32 31 13 13-0044	VLF	36" Diameter, Grout Fill For Post Hole	71.25	
32 31 13 13-0045		**Compacted Earth Fill For Post Holes** *(32 31 13 13-0018)*		
32 31 13 13-0046	VLF	Up To 2-1/2" Diameter, Compacted Earth Fill For Post Hole	5.54	
32 31 13 13-0047	VLF	2-1/2" Diameter, Compacted Earth Fill For Post Hole	7.22	
32 31 13 13-0048	VLF	3" Diameter, Compacted Earth Fill For Post Hole	7.54	
32 31 13 13-0049	VLF	4" Diameter, Compacted Earth Fill For Post Hole	7.76	
32 31 13 13-0050	VLF	6" Diameter, Compacted Earth Fill For Post Hole	10.37	
32 31 13 13-0051	VLF	8" Diameter, Compacted Earth Fill For Post Hole	13.83	
32 31 13 13-0052	VLF	10" Diameter, Compacted Earth Fill For Post Hole	16.60	
32 31 13 13-0053	VLF	12" Diameter, Compacted Earth Fill For Post Hole	18.82	
32 31 13 13-0054	VLF	18" Diameter, Compacted Earth Fill For Post Hole	22.93	
32 31 13 13-0055	VLF	24" Diameter, Compacted Earth Fill For Post Hole	25.73	
32 31 13 13-0056	VLF	30" Diameter, Compacted Earth Fill For Post Hole	28.22	
32 31 13 13-0057	VLF	36" Diameter, Compacted Earth Fill For Post Hole	30.44	
32 31 13 13-0058		**Fence Posts** *(32 31 13 13)*		
		Note: Demolition excludes concrete footing removal on posts and excavation. See CSI section 31 23 16 36-0009 for hand excavation for footing removal (where required), 32 31 13 13-0001 for drilling for augering holes and backfill.		
32 31 13 13-0059		**Fence Posts** *(32 31 13 13-0058)*		
32 31 13 13-0060		**1-7/8" H-Beam Post Without Top Rail Fitting, Galvanized Steel** *(32 31 13 13-0059)*		
		Note: Includes cap and accessories.		
32 31 13 13-0061	LF	1-7/8" Galvanized H-beam Post, Up To 6' In Length	20.64	3.16
		For Each Top Rail Fitting, Add	*0.85*	
32 31 13 13-0062	LF	1-7/8" Galvanized H-beam Post, 7' To 10' In Length	19.74	2.69
		For Each Top Rail Fitting, Add	*0.85*	
32 31 13 13-0063	LF	1-7/8" Galvanized H-beam Post, 11' To 15' In Length	18.65	2.22
		For Each Top Rail Fitting, Add	*0.85*	
32 31 13 13-0064	LF	1-7/8" Galvanized H-beam Post, 16' To 20' In Length	17.77	1.76
		For Each Top Rail Fitting, Add	*0.85*	
32 31 13 13-0065	LF	1-7/8" Galvanized H-beam Post, 21' To 24' In Length	17.17	1.53
		For Each Top Rail Fitting, Add	*0.85*	
32 31 13 13-0066	LF	1-7/8" Galvanized H-beam Post, >24' In Length	16.26	1.05
		For Each Top Rail Fitting, Add	*0.85*	
32 31 13 13-0067		**Post Without Top Rail Fitting, Galvanized Steel (1.66" Nominal)** *(32 31 13 13-0059)*		
		Note: 1-5/8" outside diameter, Schedule 40. Includes cap and accessories.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0068	LF	Up To 6' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	14.13	2.92
		For Each Top Rail Fitting, Add	*0.85*	
		For Each Single Barbed Wire Arm, Add	*1.90*	
		For Each Double Barbed Wire Arm, Add	*3.40*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.07*	
		For Vinyl Coated, Add	*4.96*	
		For Powder Coated, Add	*6.62*	
		For Aluminum Coated, Add	*10.34*	
		For Schedule 20, Deduct	*-1.65*	
		For Schedule 80, Add	*4.56*	
32 31 13 13-0069	LF	7' To 10' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	13.10	2.46
		For Each Top Rail Fitting, Add	*0.85*	
		For Each Single Barbed Wire Arm, Add	*1.90*	
		For Each Double Barbed Wire Arm, Add	*3.40*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.04*	
		For Vinyl Coated, Add	*4.89*	
		For Powder Coated, Add	*6.52*	
		For Aluminum Coated, Add	*10.19*	
		For Schedule 20, Deduct	*-1.63*	
		For Schedule 80, Add	*4.41*	
32 31 13 13-0070	LF	11' To 15' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	12.04	1.99
		For Each Top Rail Fitting, Add	*0.85*	
		For Each Single Barbed Wire Arm, Add	*1.90*	
		For Each Double Barbed Wire Arm, Add	*3.40*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.02*	
		For Vinyl Coated, Add	*4.85*	
		For Powder Coated, Add	*6.47*	
		For Aluminum Coated, Add	*10.11*	
		For Schedule 20, Deduct	*-1.62*	
		For Schedule 80, Add	*4.28*	
32 31 13 13-0071	LF	16' To 20' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	11.22	1.53
		For Each Top Rail Fitting, Add	*0.85*	
		For Each Single Barbed Wire Arm, Add	*1.90*	
		For Each Double Barbed Wire Arm, Add	*3.40*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.02*	
		For Vinyl Coated, Add	*4.84*	
		For Powder Coated, Add	*6.45*	
		For Aluminum Coated, Add	*10.08*	
		For Schedule 20, Deduct	*-1.61*	
		For Schedule 80, Add	*4.18*	
32 31 13 13-0072	LF	21' To 24' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	10.69	1.29
		For Each Top Rail Fitting, Add	*0.85*	
		For Each Single Barbed Wire Arm, Add	*1.90*	
		For Each Double Barbed Wire Arm, Add	*3.40*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.01*	
		For Vinyl Coated, Add	*4.83*	
		For Powder Coated, Add	*6.44*	
		For Aluminum Coated, Add	*10.06*	
		For Schedule 20, Deduct	*-1.61*	
		For Schedule 80, Add	*4.13*	
32 31 13 13-0073	LF	>24' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	10.12	1.05
		For Each Top Rail Fitting, Add	*0.85*	
		For Each Single Barbed Wire Arm, Add	*1.90*	
		For Each Double Barbed Wire Arm, Add	*3.40*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.01*	
		For Vinyl Coated, Add	*4.83*	
		For Powder Coated, Add	*6.44*	
		For Aluminum Coated, Add	*10.06*	
		For Schedule 20, Deduct	*-1.61*	
		For Schedule 80, Add	*4.07*	
32 31 13 13-0074		Post Without Top Rail Fitting, Galvanized Steel (1.90" Nominal) *(32 31 13 13-0059)*		
		Note: 2" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0075	LF	2" Outside Diameter Galvanized Steel Post, Up To 6' In Length	16.17	3.04
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.53*	
		For Vinyl Coated, Add	*6.07*	
		For Powder Coated, Add	*8.09*	
		For Aluminum Coated, Add	*12.64*	
		For Schedule 20, Deduct	*-2.02*	
		For Schedule 80, Add	*5.46*	
32 31 13 13-0076	LF	2" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	15.21	2.57
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.49*	
		For Vinyl Coated, Add	*5.98*	
		For Powder Coated, Add	*7.98*	
		For Aluminum Coated, Add	*12.46*	
		For Schedule 20, Deduct	*-1.99*	
		For Schedule 80, Add	*5.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0077	LF	2" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	14.08	2.11
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.47*	
		For Vinyl Coated, Add	*5.93*	
		For Powder Coated, Add	*7.91*	
		For Aluminum Coated, Add	*12.36*	
		For Schedule 20, Deduct	*-1.98*	
		For Schedule 80, Add	*5.17*	
32 31 13 13-0078	LF	2" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	13.19	1.64
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.46*	
		For Vinyl Coated, Add	*5.91*	
		For Powder Coated, Add	*7.88*	
		For Aluminum Coated, Add	*12.31*	
		For Schedule 20, Deduct	*-1.97*	
		For Schedule 80, Add	*5.06*	
32 31 13 13-0079	LF	2" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	12.63	1.41
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.46*	
		For Vinyl Coated, Add	*5.90*	
		For Powder Coated, Add	*7.87*	
		For Aluminum Coated, Add	*12.30*	
		For Schedule 20, Deduct	*-1.97*	
		For Schedule 80, Add	*5.00*	
32 31 13 13-0080	LF	2" Outside Diameter Galvanized Steel Post, >24' In Length	12.09	1.18
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.46*	
		For Vinyl Coated, Add	*5.90*	
		For Powder Coated, Add	*7.86*	
		For Aluminum Coated, Add	*12.29*	
		For Schedule 20, Deduct	*-1.97*	
		For Schedule 80, Add	*4.94*	

32 31 13 13-0081 Post Without Top Rail Fitting, Galvanized Steel (2.375" Nominal) *(32 31 13 13-0059)*

Note: 2-1/2" outside diameter, Schedule 40. Includes cap and accessories.

32 31 13 13-0082	LF	2-1/2" Outside Diameter Galvanized Steel Post, Up To 6' In Length	19.76	3.28
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*3.34*	
		For Vinyl Coated, Add	*8.02*	
		For Powder Coated, Add	*10.70*	
		For Aluminum Coated, Add	*16.71*	
		For Schedule 20, Deduct	*-2.67*	
		For Schedule 80, Add	*7.06*	
32 31 13 13-0083	LF	2-1/2" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	18.69	2.81
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*3.30*	
		For Vinyl Coated, Add	*7.92*	
		For Powder Coated, Add	*10.56*	
		For Aluminum Coated, Add	*16.50*	
		For Schedule 20, Deduct	*-2.64*	
		For Schedule 80, Add	*6.89*	
32 31 13 13-0084	LF	2-1/2" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	17.51	2.22
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*3.28*	
		For Vinyl Coated, Add	*7.87*	
		For Powder Coated, Add	*10.49*	
		For Aluminum Coated, Add	*16.39*	
		For Schedule 20, Deduct	*-2.62*	
		For Schedule 80, Add	*6.73*	
32 31 13 13-0085	LF	2-1/2" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	16.59	1.76
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*3.27*	
		For Vinyl Coated, Add	*7.84*	
		For Powder Coated, Add	*10.46*	
		For Aluminum Coated, Add	*16.34*	
		For Schedule 20, Deduct	*-2.61*	
		For Schedule 80, Add	*6.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0086	LF	2-1/2" Outside Diameter Galvanized Steel Post, 21 To 24' In Length	15.97	1.53
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*3.26*	
		For Vinyl Coated, Add	*7.83*	
		For Powder Coated, Add	*10.44*	
		For Aluminum Coated, Add	*16.31*	
		For Schedule 20, Deduct	*-2.61*	
		For Schedule 80, Add	*6.56*	
32 31 13 13-0087	LF	2-1/2" Outside Diameter Galvanized Steel Post, >24' In Length	15.42	1.18
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*3.26*	
		For Vinyl Coated, Add	*7.83*	
		For Powder Coated, Add	*10.44*	
		For Aluminum Coated, Add	*16.31*	
		For Schedule 20, Deduct	*-2.61*	
		For Schedule 80, Add	*6.50*	

32 31 13 13-0088 Post Without Top Rail Fitting, Galvanized Steel (2.875" Nominal) *(32 31 13 13-0059)*

Note: 3" outside diameter, Schedule 40. Includes cap and accessories.

32 31 13 13-0089	LF	3" Outside Diameter Galvanized Steel Post, Up To 6' In Length	27.25	3.52
		For Each Top Rail Fitting, Add	*1.85*	
		For Each Single Barbed Wire Arm, Add	*3.85*	
		For Each Double Barbed Wire Arm, Add	*7.05*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*5.06*	
		For Vinyl Coated, Add	*12.14*	
		For Powder Coated, Add	*16.18*	
		For Aluminum Coated, Add	*25.29*	
		For Schedule 20, Deduct	*-4.05*	
		For Schedule 80, Add	*10.41*	
32 31 13 13-0090	LF	3" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	25.94	3.04
		For Each Top Rail Fitting, Add	*1.85*	
		For Each Single Barbed Wire Arm, Add	*3.85*	
		For Each Double Barbed Wire Arm, Add	*7.05*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*4.97*	
		For Vinyl Coated, Add	*11.93*	
		For Powder Coated, Add	*15.90*	
		For Aluminum Coated, Add	*24.85*	
		For Schedule 20, Deduct	*-3.98*	
		For Schedule 80, Add	*10.15*	
32 31 13 13-0091	LF	3" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	24.58	2.46
		For Each Top Rail Fitting, Add	*1.85*	
		For Each Single Barbed Wire Arm, Add	*3.85*	
		For Each Double Barbed Wire Arm, Add	*7.05*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*4.93*	
		For Vinyl Coated, Add	*11.82*	
		For Powder Coated, Add	*15.76*	
		For Aluminum Coated, Add	*24.63*	
		For Schedule 20, Deduct	*-3.94*	
		For Schedule 80, Add	*9.94*	
32 31 13 13-0092	LF	3" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	23.52	1.99
		For Each Top Rail Fitting, Add	*1.85*	
		For Each Single Barbed Wire Arm, Add	*3.85*	
		For Each Double Barbed Wire Arm, Add	*7.05*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*4.91*	
		For Vinyl Coated, Add	*11.77*	
		For Powder Coated, Add	*15.70*	
		For Aluminum Coated, Add	*24.53*	
		For Schedule 20, Deduct	*-3.92*	
		For Schedule 80, Add	*9.81*	
32 31 13 13-0093	LF	3" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	22.82	1.64
		For Each Top Rail Fitting, Add	*1.85*	
		For Each Single Barbed Wire Arm, Add	*3.85*	
		For Each Double Barbed Wire Arm, Add	*7.05*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*4.89*	
		For Vinyl Coated, Add	*11.74*	
		For Powder Coated, Add	*15.66*	
		For Aluminum Coated, Add	*24.46*	
		For Schedule 20, Deduct	*-3.91*	
		For Schedule 80, Add	*9.72*	
32 31 13 13-0094	LF	3" Outside Diameter Galvanized Steel Post, >24' In Length	22.20	1.29
		For Each Top Rail Fitting, Add	*1.85*	
		For Each Single Barbed Wire Arm, Add	*3.85*	
		For Each Double Barbed Wire Arm, Add	*7.05*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*4.89*	
		For Vinyl Coated, Add	*11.74*	
		For Powder Coated, Add	*15.65*	
		For Aluminum Coated, Add	*24.45*	
		For Schedule 20, Deduct	*-3.91*	
		For Schedule 80, Add	*9.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 31 13 13-0095 Post Without Top Rail Fitting, Galvanized Steel, (4.00" Nominal) *(32 31 13 13-0059)*

Note: 4" outside diameter, Schedule 40. Includes cap and accessories.

32 31 13 13-0096	LF	4" Outside Diameter Galvanized Steel Post, Up To 6' In Length	40.43	3.75
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*8.26*	
		For Vinyl Coated, Add	*19.82*	
		For Powder Coated, Add	*26.42*	
		For Aluminum Coated, Add	*41.29*	
		For Schedule 20, Deduct	*-6.61*	
		For Schedule 80, Add	*16.59*	
32 31 13 13-0097	LF	4" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	38.56	3.04
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*8.10*	
		For Vinyl Coated, Add	*19.44*	
		For Powder Coated, Add	*25.92*	
		For Aluminum Coated, Add	*40.50*	
		For Schedule 20, Deduct	*-6.48*	
		For Schedule 80, Add	*16.17*	
32 31 13 13-0098	LF	4" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	37.21	2.57
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*8.02*	
		For Vinyl Coated, Add	*19.25*	
		For Powder Coated, Add	*25.66*	
		For Aluminum Coated, Add	*40.10*	
		For Schedule 20, Deduct	*-6.42*	
		For Schedule 80, Add	*15.91*	
32 31 13 13-0099	LF	4" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	36.03	2.11
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*7.98*	
		For Vinyl Coated, Add	*19.15*	
		For Powder Coated, Add	*25.54*	
		For Aluminum Coated, Add	*39.90*	
		For Schedule 20, Deduct	*-6.38*	
		For Schedule 80, Add	*15.73*	
32 31 13 13-0100	LF	4" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	35.96	2.11
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*7.96*	
		For Vinyl Coated, Add	*19.11*	
		For Powder Coated, Add	*25.48*	
		For Aluminum Coated, Add	*39.81*	
		For Schedule 20, Deduct	*-6.37*	
		For Schedule 80, Add	*15.70*	
32 31 13 13-0101	LF	4" Outside Diameter Galvanized Steel Post, >24' In Length	34.75	1.53
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*7.96*	
		For Vinyl Coated, Add	*19.10*	
		For Powder Coated, Add	*25.46*	
		For Aluminum Coated, Add	*39.79*	
		For Schedule 20, Deduct	*-6.37*	
		For Schedule 80, Add	*15.57*	

32 31 13 13-0102 Post Without Top Rail Fitting, Galvanized Steel, (4.50" Nominal) *(32 31 13 13-0059)*

Note: 4-1/2" outside diameter, Schedule 40. Includes cap and accessories.

32 31 13 13-0103	LF	4-1/2" Outside Diameter Galvanized Steel Post, Up To 6' In Length	42.78	3.75
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*8.85*	
		For Vinyl Coated, Add	*21.23*	
		For Powder Coated, Add	*28.30*	
		For Aluminum Coated, Add	*44.23*	
		For Schedule 20, Deduct	*-7.08*	
		For Schedule 80, Add	*17.72*	
32 31 13 13-0104	LF	4-1/2" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	41.54	3.04
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*8.85*	
		For Vinyl Coated, Add	*21.23*	
		For Powder Coated, Add	*28.30*	
		For Aluminum Coated, Add	*44.23*	
		For Schedule 20, Deduct	*-7.08*	
		For Schedule 80, Add	*17.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0105	LF	4-1/2" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	40.51	2.57
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*8.85*	
		For Vinyl Coated, Add	*21.23*	
		For Powder Coated, Add	*28.30*	
		For Aluminum Coated, Add	*44.23*	
		For Schedule 20, Deduct	*-7.08*	
		For Schedule 80, Add	*17.50*	
32 31 13 13-0106	LF	4-1/2" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	39.49	2.11
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*8.85*	
		For Vinyl Coated, Add	*21.23*	
		For Powder Coated, Add	*28.30*	
		For Aluminum Coated, Add	*44.23*	
		For Schedule 20, Deduct	*-7.08*	
		For Schedule 80, Add	*17.39*	
32 31 13 13-0107	LF	4-1/2" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	39.49	2.11
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*8.85*	
		For Vinyl Coated, Add	*21.23*	
		For Powder Coated, Add	*28.30*	
		For Aluminum Coated, Add	*44.23*	
		For Schedule 20, Deduct	*-7.08*	
		For Schedule 80, Add	*17.39*	
32 31 13 13-0108	LF	4-1/2" Outside Diameter Galvanized Steel Post, >24' In Length	38.30	1.53
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*8.85*	
		For Vinyl Coated, Add	*21.23*	
		For Powder Coated, Add	*28.30*	
		For Aluminum Coated, Add	*44.23*	
		For Schedule 20, Deduct	*-7.08*	
		For Schedule 80, Add	*17.27*	

32 31 13 13-0109 Post Without Top Rail Fitting, Galvanized Steel (5.5625" Nominal) *(32 31 13 13-0059)*

Note: 5-9/16" outside diameter, Schedule 40. Includes cap and accessories.

32 31 13 13-0110	LF	5-9/16" Outside Diameter Galvanized Steel Post, Up To 6' In Length	64.22	4.10
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*14.00*	
		For Vinyl Coated, Add	*33.60*	
		For Powder Coated, Add	*44.80*	
		For Aluminum Coated, Add	*70.00*	
		For Schedule 20, Deduct	*-11.20*	
		For Schedule 80, Add	*27.70*	
32 31 13 13-0111	LF	5-9/16" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	62.89	3.40
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*14.00*	
		For Vinyl Coated, Add	*33.60*	
		For Powder Coated, Add	*44.80*	
		For Aluminum Coated, Add	*70.00*	
		For Schedule 20, Deduct	*-11.20*	
		For Schedule 80, Add	*27.57*	
32 31 13 13-0112	LF	5-9/16" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	61.71	2.81
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*14.00*	
		For Vinyl Coated, Add	*33.60*	
		For Powder Coated, Add	*44.80*	
		For Aluminum Coated, Add	*70.00*	
		For Schedule 20, Deduct	*-11.20*	
		For Schedule 80, Add	*27.45*	
32 31 13 13-0113	LF	5-9/16" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	60.56	2.22
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*14.00*	
		For Vinyl Coated, Add	*33.60*	
		For Powder Coated, Add	*44.80*	
		For Aluminum Coated, Add	*70.00*	
		For Schedule 20, Deduct	*-11.20*	
		For Schedule 80, Add	*27.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0114	LF	5-9/16" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	59.90	1.99
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*14.00*	
		For Vinyl Coated, Add	*33.60*	
		For Powder Coated, Add	*44.80*	
		For Aluminum Coated, Add	*70.00*	
		For Schedule 20, Deduct	*-11.20*	
		For Schedule 80, Add	*27.27*	
32 31 13 13-0115	LF	5-9/16" Outside Diameter Galvanized Steel Post, >24' In Length	59.25	1.64
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*14.00*	
		For Vinyl Coated, Add	*33.60*	
		For Powder Coated, Add	*44.80*	
		For Aluminum Coated, Add	*70.00*	
		For Schedule 20, Deduct	*-11.20*	
		For Schedule 80, Add	*27.21*	

32 31 13 13-0116 Post Without Top Rail Fitting, Galvanized Steel (6.625" Nominal) *(32 31 13 13-0059)*

Note: 6-5/8" outside diameter, Schedule 40. Includes cap and accessories.

32 31 13 13-0117	LF	6-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length	80.88	4.10
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*18.17*	
		For Vinyl Coated, Add	*43.60*	
		For Powder Coated, Add	*58.13*	
		For Aluminum Coated, Add	*90.83*	
		For Schedule 20, Deduct	*-14.53*	
		For Schedule 80, Add	*35.70*	
32 31 13 13-0118	LF	6-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	77.17	3.40
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*17.57*	
		For Vinyl Coated, Add	*42.17*	
		For Powder Coated, Add	*56.22*	
		For Aluminum Coated, Add	*87.85*	
		For Schedule 20, Deduct	*-14.06*	
		For Schedule 80, Add	*34.42*	
32 31 13 13-0119	LF	6-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	74.79	2.81
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*17.27*	
		For Vinyl Coated, Add	*41.45*	
		For Powder Coated, Add	*55.26*	
		For Aluminum Coated, Add	*86.35*	
		For Schedule 20, Deduct	*-13.82*	
		For Schedule 80, Add	*33.73*	
32 31 13 13-0120	LF	6-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	73.05	2.22
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*17.12*	
		For Vinyl Coated, Add	*41.09*	
		For Powder Coated, Add	*54.79*	
		For Aluminum Coated, Add	*85.61*	
		For Schedule 20, Deduct	*-13.70*	
		For Schedule 80, Add	*33.33*	
32 31 13 13-0121	LF	6-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	72.09	1.99
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*17.05*	
		For Vinyl Coated, Add	*40.91*	
		For Powder Coated, Add	*54.55*	
		For Aluminum Coated, Add	*85.24*	
		For Schedule 20, Deduct	*-13.64*	
		For Schedule 80, Add	*33.12*	
32 31 13 13-0122	LF	6-5/8" Outside Diameter Galvanized Steel Post, >24' In Length	71.38	1.64
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*17.03*	
		For Vinyl Coated, Add	*40.88*	
		For Powder Coated, Add	*54.50*	
		For Aluminum Coated, Add	*85.16*	
		For Schedule 20, Deduct	*-13.63*	
		For Schedule 80, Add	*33.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0123		**Post Without Top Rail Fitting, Galvanized Steel (8.625" Nominal)** *(32 31 13 13-0059)* Note: 8-5/8" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0124	LF	8-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length	157.64	4.57
		For Each Top Rail Fitting, Add	*7.50*	
		For Each Single Barbed Wire Arm, Add	*9.15*	
		For Each Double Barbed Wire Arm, Add	*18.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*37.13*	
		For Vinyl Coated, Add	*89.11*	
		For Powder Coated, Add	*118.82*	
		For Aluminum Coated, Add	*185.65*	
		For Schedule 20, Deduct	*-29.70*	
		For Schedule 80, Add	*72.20*	
32 31 13 13-0125	LF	8-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	151.42	3.87
		For Each Top Rail Fitting, Add	*7.50*	
		For Each Single Barbed Wire Arm, Add	*9.15*	
		For Each Double Barbed Wire Arm, Add	*18.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*35.95*	
		For Vinyl Coated, Add	*86.27*	
		For Powder Coated, Add	*115.02*	
		For Aluminum Coated, Add	*179.73*	
		For Schedule 20, Deduct	*-28.76*	
		For Schedule 80, Add	*69.78*	
32 31 13 13-0126	LF	8-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	147.74	3.16
		For Each Top Rail Fitting, Add	*7.50*	
		For Each Single Barbed Wire Arm, Add	*9.15*	
		For Each Double Barbed Wire Arm, Add	*18.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*35.35*	
		For Vinyl Coated, Add	*84.85*	
		For Powder Coated, Add	*113.13*	
		For Aluminum Coated, Add	*176.76*	
		For Schedule 20, Deduct	*-28.28*	
		For Schedule 80, Add	*68.51*	
32 31 13 13-0127	LF	8-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	145.24	2.46
		For Each Top Rail Fitting, Add	*7.50*	
		For Each Single Barbed Wire Arm, Add	*9.15*	
		For Each Double Barbed Wire Arm, Add	*18.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*35.06*	
		For Vinyl Coated, Add	*84.13*	
		For Powder Coated, Add	*112.18*	
		For Aluminum Coated, Add	*175.28*	
		For Schedule 20, Deduct	*-28.04*	
		For Schedule 80, Add	*67.81*	
32 31 13 13-0128	LF	8-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	143.97	2.11
		For Each Top Rail Fitting, Add	*7.50*	
		For Each Single Barbed Wire Arm, Add	*9.15*	
		For Each Double Barbed Wire Arm, Add	*18.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*34.91*	
		For Vinyl Coated, Add	*83.78*	
		For Powder Coated, Add	*111.70*	
		For Aluminum Coated, Add	*174.54*	
		For Schedule 20, Deduct	*-27.93*	
		For Schedule 80, Add	*67.46*	
32 31 13 13-0129	LF	8-5/8" Outside Diameter Galvanized Steel Post, >24' In Length	143.14	1.76
		For Each Top Rail Fitting, Add	*7.50*	
		For Each Single Barbed Wire Arm, Add	*9.15*	
		For Each Double Barbed Wire Arm, Add	*18.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*34.88*	
		For Vinyl Coated, Add	*83.71*	
		For Powder Coated, Add	*111.61*	
		For Aluminum Coated, Add	*174.39*	
		For Schedule 20, Deduct	*-27.90*	
		For Schedule 80, Add	*67.33*	
32 31 13 13-0130		**Driven Post Supports** *(32 31 13 13)* Note: OZ-Post.		
32 31 13 13-0131		**Driven Post Support For Round Chain Link Fence Posts** *(32 31 13 13-0130)*		
32 31 13 13-0132	EA	26" Driven Post Support For 1-5/8" Round Chain Link Fence Post Note: OZ-Post GB-700.	75.36	
32 31 13 13-0133	EA	26" Driven Post Support For 1-7/8" To 2" Round Chain Link Fence Post Note: OZ-Post HB-700.	75.36	
32 31 13 13-0134	EA	26" Driven Post Support For 2-3/8" To 2-1/2" Round Chain Link Fence Post Note: OZ-Post IS-600.	77.39	
32 31 13 13-0135	EA	32" Driven Post Support For 2-3/8" To 2-1/2" Round Chain Link Fence Post Note: OZ-Post ISW-850.	92.90	
32 31 13 13-0136	EA	34" Driven Post Support For 2-7/8" To 3" Round Chain Link Fence Post Note: OZ-Post	94.99	
32 31 13 13-0137	EA	34" Driven Post Support For 3-1/2" To 4" Round Chain Link Fence Post Note: OZ-Post	96.05	
32 31 13 13-0138	EA	34" Driven Post Support For 4-1/2" To 4-7/8" Round Chain Link Fence Post Note: OZ-Post	99.37	
32 31 13 13-0139	EA	34" Driven Post Support For 5-9/16" Round Chain Link Fence Post Note: OZ-Post	126.18	
32 31 13 13-0140	EA	34" Driven Post Support For 6-5/8" Round Chain Link Fence Post Note: OZ-Post	146.97	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0141	EA	34" Driven Post Support For 8-5/8" Round Chain Link Fence Post Note: OZ-Post	162.48	
32 31 13 13-0142		**Driven Post Support For Square Ornamental Fence Posts** *(32 31 13 13-0130)*		
32 31 13 13-0143	EA	34" Driven Post Support For 1-3/4" Square Ornamental Fence Post Note: OZ-Post C175-850.	86.81	
32 31 13 13-0144	EA	24" Driven Post Support For 2" Square Ornamental Fence Post Note: OZ-Post I2-600.	83.76	
32 31 13 13-0145	EA	34" Driven Post Support For 2" Square Ornamental Fence Post Note: OZ-Post I2-850.	87.42	
32 31 13 13-0146	EA	34" Driven Post Support For 2-1/2" Square Ornamental Fence Post Note: OZ-Post I25-850.	92.90	
32 31 13 13-0147	EA	34" Driven Post Support For 3" Square Ornamental Fence Post Note: OZ-Post I3-850.	92.90	
32 31 13 13-0148		**Driven Post Support For Wooden Fence Posts** *(32 31 13 13-0130)*		
32 31 13 13-0149	EA	24" Driven Post Support For 3-1/2" Square Wooden Fence Post Note: OZ-Post T4-600.	86.19	
32 31 13 13-0150	EA	34" Driven Post Support For 3-1/2" Square Wooden Fence Post Note: OZ-Post T4-850.	89.85	
32 31 13 13-0151	EA	34" Driven Post Support For 3-3/4" Square Wooden Fence Post Note: OZ-Post C4-850.	96.97	
32 31 13 13-0152	EA	34" Driven Post Support For 4" Square Wooden Fence Post Note: OZ-Post P4-850.	96.97	
32 31 13 13-0153	EA	36" Driven Post Support For 4" x 6" Wooden Fence Post Note: OZ-Post T46-850.	110.18	
32 31 13 13-0154	EA	36" Driven Post Support For 6" Square Wooden Fence Post Note: OZ-Post T6-850.	119.52	
32 31 13 13-0155		**Driven Post Support For Vinyl Fence Posts** *(32 31 13 13-0130)*		
32 31 13 13-0156	EA	24" Driven Post Support For 3-1/2" Square Vinyl Fence Post Note: OZ-Post T4-600.	86.19	
32 31 13 13-0157	EA	34" Driven Post Support For 3-1/2" Square Vinyl Fence Post Note: OZ-Post T4-850.	89.85	
32 31 13 13-0158	EA	34" Driven Post Support For 4" Square Vinyl Fence Post Note: OZ-Post P4-850.	96.97	
32 31 13 13-0159	EA	34" Driven Post Support For 5" Square Vinyl Fence Post Note: OZ-Post P4-850.	98.59	
32 31 13 13-0160		**Chain Link Fence Assemblies** *(32 31 13 13)*		
32 31 13 13-0161		**Chain Link Fence Assembly With 2-1/2" Line Post And 3" Corner Posts** *(32 31 13 13-0160)* Note: Includes 2" 9 gauge coiled spring mesh (knuckled selvedge), tension bars, post tension bands, wire ties, truss rod (at corners or posts), 1-5/8" top rail, 1-5/8" bottom rail, 2-1/2" line post and 3" corner posts. Posts exclude drilling or augering in soil or rock, concrete or soil fill. Heights indicated are from ground to top of installed pole. Minimum 2' bury with up to one third of exposed post height to be buried in ground. Excludes grounding. Demolition excludes concrete footing removal on posts and excavation. See CSI section 26 05 26 00-0000 for grounding, 31 23 16 36-0009 for hand excavation for footing removal (where required), 32 31 13 13-0698 for barb wire attachments.		
32 31 13 13-0162		**Galvanized** *(32 31 13 13-0161)*		
32 31 13 13-0163	LF	3' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	40.01	3.98
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*2.78*	
		For 13 Gauge Fabric, Deduct	*-8.48*	
		For 11 Gauge Fabric, Deduct	*-4.96*	
		For 6 Gauge Fabric, Add	*7.79*	
		For 1" Mesh Fabric, Add	*10.62*	
		For 1-3/4" Mesh Fabric, Add	*4.25*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.12*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.83*	
		For Posts 8' On Centers, Add	*2.19*	
		For Posts 5' On Centers, Add	*8.22*	
		For Up To 100, Add	*7.56*	
		For >100 To 250, Add	*2.78*	
		For >2,500 To 5,000, Deduct	*-1.39*	
		For >5,000, Deduct	*-2.78*	
		For 3/8" Non-Climbable Mesh, Add	*32.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0164	LF	3'-6" Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	41.61	3.98
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*2.87*	
		For 13 Gauge Fabric, Deduct	*-8.95*	
		For 11 Gauge Fabric, Deduct	*-5.23*	
		For 6 Gauge Fabric, Add	*8.22*	
		For 1" Mesh Fabric, Add	*11.21*	
		For 1-3/4" Mesh Fabric, Add	*4.48*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.24*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.99*	
		For Posts 8' On Centers, Add	*2.27*	
		For Posts 5' On Centers, Add	*8.52*	
		For Up To 100, Add	*7.83*	
		For >100 To 250, Add	*2.87*	
		For >2,500 To 5,000, Deduct	*-1.44*	
		For >5,000, Deduct	*-2.87*	
		For 3/8" Non-Climbable Mesh, Add	*36.90*	
32 31 13 13-0165	LF	4' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	43.01	3.98
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*2.96*	
		For 13 Gauge Fabric, Deduct	*-9.35*	
		For 11 Gauge Fabric, Deduct	*-5.46*	
		For 6 Gauge Fabric, Add	*8.59*	
		For 1" Mesh Fabric, Add	*11.71*	
		For 1-3/4" Mesh Fabric, Add	*4.68*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.34*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.12*	
		For Posts 8' On Centers, Add	*2.34*	
		For Posts 5' On Centers, Add	*8.79*	
		For Up To 100, Add	*8.06*	
		For >100 To 250, Add	*2.96*	
		For >2,500 To 5,000, Deduct	*-1.48*	
		For >5,000, Deduct	*-2.96*	
		For 3/8" Non-Climbable Mesh, Add	*41.71*	
32 31 13 13-0166	LF	5' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	46.29	3.98
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*3.14*	
		For 13 Gauge Fabric, Deduct	*-10.32*	
		For 11 Gauge Fabric, Deduct	*-6.03*	
		For 6 Gauge Fabric, Add	*9.47*	
		For 1" Mesh Fabric, Add	*12.92*	
		For 1-3/4" Mesh Fabric, Add	*5.17*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.58*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.44*	
		For Posts 8' On Centers, Add	*2.51*	
		For Posts 5' On Centers, Add	*9.41*	
		For Up To 100, Add	*8.60*	
		For >100 To 250, Add	*3.14*	
		For >2,500 To 5,000, Deduct	*-1.57*	
		For >5,000, Deduct	*-3.14*	
		For 3/8" Non-Climbable Mesh, Add	*50.75*	
32 31 13 13-0167	LF	6' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	50.16	3.98
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*3.39*	
		For 13 Gauge Fabric, Deduct	*-11.29*	
		For 11 Gauge Fabric, Deduct	*-6.59*	
		For 6 Gauge Fabric, Add	*10.36*	
		For 1" Mesh Fabric, Add	*14.13*	
		For 1-3/4" Mesh Fabric, Add	*5.65*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.83*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.77*	
		For Posts 8' On Centers, Add	*2.72*	
		For Posts 5' On Centers, Add	*10.18*	
		For Up To 100, Add	*9.29*	
		For >100 To 250, Add	*3.39*	
		For >2,500 To 5,000, Deduct	*-1.70*	
		For >5,000, Deduct	*-3.39*	
		For 3/8" Non-Climbable Mesh, Add	*59.84*	
32 31 13 13-0168	LF	7' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	52.05	5.98
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*3.52*	
		For 13 Gauge Fabric, Deduct	*-11.71*	
		For 11 Gauge Fabric, Deduct	*-6.84*	
		For 6 Gauge Fabric, Add	*10.75*	
		For 1" Mesh Fabric, Add	*14.66*	
		For 1-3/4" Mesh Fabric, Add	*5.86*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.93*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.91*	
		For Posts 8' On Centers, Add	*2.82*	
		For Posts 5' On Centers, Add	*10.56*	
		For Up To 100, Add	*9.64*	
		For >100 To 250, Add	*3.52*	
		For >2,500 To 5,000, Deduct	*-1.76*	
		For >5,000, Deduct	*-3.52*	
		For 3/8" Non-Climbable Mesh, Add	*69.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0169	LF	8' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	59.15	6.97
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*3.94*	
		For 13 Gauge Fabric, Deduct	*-13.76*	
		For 11 Gauge Fabric, Deduct	*-8.04*	
		For 6 Gauge Fabric, Add	*12.63*	
		For 1" Mesh Fabric, Add	*17.23*	
		For 1-3/4" Mesh Fabric, Add	*6.89*	
		For 2-1/8" Mesh Fabric, Deduct	*-3.45*	
		For 2-3/8" Mesh Fabric, Deduct	*-4.59*	
		For Posts 8' On Centers, Add	*3.19*	
		For Posts 5' On Centers, Add	*11.92*	
		For Up To 100, Add	*10.83*	
		For >100 To 250, Add	*3.94*	
		For >2,500 To 5,000, Deduct	*-1.97*	
		For >5,000, Deduct	*-3.94*	
		For 3/8" Non-Climbable Mesh, Add	*78.39*	
32 31 13 13-0170	LF	9' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	63.09	8.96
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*4.18*	
		For 13 Gauge Fabric, Deduct	*-14.81*	
		For 11 Gauge Fabric, Deduct	*-8.65*	
		For 6 Gauge Fabric, Add	*13.60*	
		For 1" Mesh Fabric, Add	*18.54*	
		For 1-3/4" Mesh Fabric, Add	*7.42*	
		For 2-1/8" Mesh Fabric, Deduct	*-3.71*	
		For 2-3/8" Mesh Fabric, Deduct	*-4.94*	
		For Posts 8' On Centers, Add	*3.40*	
		For Posts 5' On Centers, Add	*12.69*	
		For Up To 100, Add	*11.51*	
		For >100 To 250, Add	*4.18*	
		For >2,500 To 5,000, Deduct	*-2.09*	
		For >5,000, Deduct	*-4.18*	
		For 3/8" Non-Climbable Mesh, Add	*86.52*	
32 31 13 13-0171	LF	10' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	67.06	9.96
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*4.42*	
		For 13 Gauge Fabric, Deduct	*-15.86*	
		For 11 Gauge Fabric, Deduct	*-9.27*	
		For 6 Gauge Fabric, Add	*14.56*	
		For 1" Mesh Fabric, Add	*19.86*	
		For 1-3/4" Mesh Fabric, Add	*7.94*	
		For 2-1/8" Mesh Fabric, Deduct	*-3.97*	
		For 2-3/8" Mesh Fabric, Deduct	*-5.30*	
		For Posts 8' On Centers, Add	*3.61*	
		For Posts 5' On Centers, Add	*13.46*	
		For Up To 100, Add	*12.20*	
		For >100 To 250, Add	*4.42*	
		For >2,500 To 5,000, Deduct	*-2.21*	
		For >5,000, Deduct	*-4.42*	
		For 3/8" Non-Climbable Mesh, Add	*94.90*	
32 31 13 13-0172	LF	12' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	74.49	11.95
		For Each Additional Foot >12, Add	*4.07*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*4.88*	
		For 13 Gauge Fabric, Deduct	*-17.82*	
		For 11 Gauge Fabric, Deduct	*-10.41*	
		For 6 Gauge Fabric, Add	*16.36*	
		For 1" Mesh Fabric, Add	*22.31*	
		For 1-3/4" Mesh Fabric, Add	*8.92*	
		For 2-1/8" Mesh Fabric, Deduct	*-4.46*	
		For 2-3/8" Mesh Fabric, Deduct	*-5.95*	
		For Posts 8' On Centers, Add	*4.00*	
		For Posts 5' On Centers, Add	*14.92*	
		For Up To 100, Add	*13.49*	
		For >100 To 250, Add	*4.88*	
		For >2,500 To 5,000, Deduct	*-2.44*	
		For >5,000, Deduct	*-4.88*	
		For 3/8" Non-Climbable Mesh, Add	*102.93*	

32 31 13 13-0173 Vinyl Coated *(32 31 13 13-0161)*

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LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0174	LF	4' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	44.57	3.98
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*4.27*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*3.03*	
		For 13 Gauge Fabric, Deduct	*-9.90*	
		For 11 Gauge Fabric, Deduct	*-5.78*	
		For 6 Gauge Fabric, Add	*9.09*	
		For 1" Mesh Fabric, Add	*12.39*	
		For 1-3/4" Mesh Fabric, Add	*4.96*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.48*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.30*	
		For Posts 8' On Centers, Add	*2.42*	
		For Posts 5' On Centers, Add	*9.07*	
		For Up To 100, Add	*8.29*	
		For >100 To 250, Add	*3.03*	
		For >2,500 To 5,000, Deduct	*-1.52*	
		For >5,000, Deduct	*-3.03*	
		For 3/8" Non-Climbable Mesh, Add	*46.85*	
32 31 13 13-0175	LF	5' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	48.26	3.98
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*4.75*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*3.24*	
		For 13 Gauge Fabric, Deduct	*-11.00*	
		For 11 Gauge Fabric, Deduct	*-6.43*	
		For 6 Gauge Fabric, Add	*10.10*	
		For 1" Mesh Fabric, Add	*13.77*	
		For 1-3/4" Mesh Fabric, Add	*5.51*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.75*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.67*	
		For Posts 8' On Centers, Add	*2.61*	
		For Posts 5' On Centers, Add	*9.77*	
		For Up To 100, Add	*8.90*	
		For >100 To 250, Add	*3.24*	
		For >2,500 To 5,000, Deduct	*-1.62*	
		For >5,000, Deduct	*-3.24*	
		For 3/8" Non-Climbable Mesh, Add	*57.17*	
32 31 13 13-0176	LF	6' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	54.17	3.98
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*5.47*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*3.59*	
		For 13 Gauge Fabric, Deduct	*-12.68*	
		For 11 Gauge Fabric, Deduct	*-7.41*	
		For 6 Gauge Fabric, Add	*11.64*	
		For 1" Mesh Fabric, Add	*15.87*	
		For 1-3/4" Mesh Fabric, Add	*6.35*	
		For 2-1/8" Mesh Fabric, Deduct	*-3.17*	
		For 2-3/8" Mesh Fabric, Deduct	*-4.23*	
		For Posts 8' On Centers, Add	*2.92*	
		For Posts 5' On Centers, Add	*10.90*	
		For Up To 100, Add	*9.89*	
		For >100 To 250, Add	*3.59*	
		For >2,500 To 5,000, Deduct	*-1.80*	
		For >5,000, Deduct	*-3.59*	
		For 3/8" Non-Climbable Mesh, Add	*67.54*	
32 31 13 13-0177	LF	7' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	56.70	5.98
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*5.75*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*3.75*	
		For 13 Gauge Fabric, Deduct	*-13.33*	
		For 11 Gauge Fabric, Deduct	*-7.79*	
		For 6 Gauge Fabric, Add	*12.23*	
		For 1" Mesh Fabric, Add	*16.68*	
		For 1-3/4" Mesh Fabric, Add	*6.67*	
		For 2-1/8" Mesh Fabric, Deduct	*-3.34*	
		For 2-3/8" Mesh Fabric, Deduct	*-4.45*	
		For Posts 8' On Centers, Add	*3.06*	
		For Posts 5' On Centers, Add	*11.40*	
		For Up To 100, Add	*10.34*	
		For >100 To 250, Add	*3.75*	
		For >2,500 To 5,000, Deduct	*-1.88*	
		For >5,000, Deduct	*-3.75*	
		For 3/8" Non-Climbable Mesh, Add	*78.06*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0178	LF	8' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	64.57	6.97
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*6.75*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*4.21*	
		For 13 Gauge Fabric, Deduct	*-15.64*	
		For 11 Gauge Fabric, Deduct	*-9.14*	
		For 6 Gauge Fabric, Add	*14.36*	
		For 1" Mesh Fabric, Add	*19.58*	
		For 1-3/4" Mesh Fabric, Add	*7.83*	
		For 2-1/8" Mesh Fabric, Deduct	*-3.92*	
		For 2-3/8" Mesh Fabric, Deduct	*-5.22*	
		For Posts 8' On Centers, Add	*3.46*	
		For Posts 5' On Centers, Add	*12.89*	
		For Up To 100, Add	*11.64*	
		For >100 To 250, Add	*4.21*	
		For >2,500 To 5,000, Deduct	*-2.10*	
		For >5,000, Deduct	*-4.21*	
		For 3/8" Non-Climbable Mesh, Add	*88.66*	
32 31 13 13-0179	LF	9' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	68.91	8.96
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*7.27*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*4.47*	
		For 13 Gauge Fabric, Deduct	*-16.83*	
		For 11 Gauge Fabric, Deduct	*-9.83*	
		For 6 Gauge Fabric, Add	*15.45*	
		For 1" Mesh Fabric, Add	*21.07*	
		For 1-3/4" Mesh Fabric, Add	*8.43*	
		For 2-1/8" Mesh Fabric, Deduct	*-4.21*	
		For 2-3/8" Mesh Fabric, Deduct	*-5.62*	
		For Posts 8' On Centers, Add	*3.69*	
		For Posts 5' On Centers, Add	*13.73*	
		For Up To 100, Add	*12.38*	
		For >100 To 250, Add	*4.47*	
		For >2,500 To 5,000, Deduct	*-2.23*	
		For >5,000, Deduct	*-4.47*	
		For 3/8" Non-Climbable Mesh, Add	*97.95*	
32 31 13 13-0180	LF	10' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	73.28	9.96
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*7.78*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*4.73*	
		For 13 Gauge Fabric, Deduct	*-18.02*	
		For 11 Gauge Fabric, Deduct	*-10.53*	
		For 6 Gauge Fabric, Add	*16.55*	
		For 1" Mesh Fabric, Add	*22.56*	
		For 1-3/4" Mesh Fabric, Add	*9.03*	
		For 2-1/8" Mesh Fabric, Deduct	*-4.51*	
		For 2-3/8" Mesh Fabric, Deduct	*-6.02*	
		For Posts 8' On Centers, Add	*3.92*	
		For Posts 5' On Centers, Add	*14.58*	
		For Up To 100, Add	*13.13*	
		For >100 To 250, Add	*4.73*	
		For >2,500 To 5,000, Deduct	*-2.37*	
		For >5,000, Deduct	*-4.73*	
		For 3/8" Non-Climbable Mesh, Add	*107.49*	
32 31 13 13-0181	LF	12' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	79.96	11.95
		For Each Additional Foot >12, Add	*4.32*	
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*8.51*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*5.16*	
		For 13 Gauge Fabric, Deduct	*-19.72*	
		For 11 Gauge Fabric, Deduct	*-11.52*	
		For 6 Gauge Fabric, Add	*18.11*	
		For 1" Mesh Fabric, Add	*24.69*	
		For 1-3/4" Mesh Fabric, Add	*9.88*	
		For 2-1/8" Mesh Fabric, Deduct	*-4.94*	
		For 2-3/8" Mesh Fabric, Deduct	*-6.58*	
		For Posts 8' On Centers, Add	*4.28*	
		For Posts 5' On Centers, Add	*15.90*	
		For Up To 100, Add	*14.31*	
		For >100 To 250, Add	*5.16*	
		For >2,500 To 5,000, Deduct	*-2.58*	
		For >5,000, Deduct	*-5.16*	
		For 3/8" Non-Climbable Mesh, Add	*116.57*	

32 31 13 13-0182 Rails *(32 31 13 13)*

Note: Includes rail end fittings.

32 31 13 13-0183 SS-20 Chain Link Fence Rails *(32 31 13 13-0182)*

Note: Includes tie wires.

32 31 13 13-0184	LF	1-3/8" Galvanized Steel Rail, 0.08" Wall Thickness, Tie Wires And Fittings	7.26	1.29
		For SS15, Deduct	*-0.46*	
		For SS40, Add	*1.14*	
32 31 13 13-0185	LF	1-3/8" Vinyl Coated Rail, 0.08" Wall Thickness, Tie Wires And Fittings	8.79	1.29
		For SS40, Add	*0.61*	
		For Powder Coated, Add	*1.22*	
		For Aluminum Coated, Add	*2.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0186	LF	1-5/8" Galvanized Steel Rail, 0.085" Wall Thickness, Tie Wires And Fittings	9.01	1.46
		For SS15, Deduct	*-0.61*	
		For SS40, Add	*1.52*	
32 31 13 13-0187	LF	1-5/8" Vinyl Coated Rail, 0.085" Wall Thickness, Tie Wires And Fittings	11.06	1.46
		For SS40, Add	*0.81*	
		For Powder Coated, Add	*1.63*	
		For Aluminum Coated, Add	*3.26*	
32 31 13 13-0188	LF	2" Galvanized Steel Rail, 0.09" Wall Thickness, Tie Wires And Fittings	10.58	1.64
		For SS40, Add	*1.83*	
32 31 13 13-0189	LF	2" Vinyl Coated Rail, 0.09" Wall Thickness, Tie Wires And Fittings	13.05	1.64
		For SS40, Add	*0.98*	
		For Powder Coated, Add	*1.95*	
		For Aluminum Coated, Add	*3.91*	
32 31 13 13-0190		**SS-20 Middle/Bottom Rail With Tie Wire (1.66" Nominal)** *(32 31 13 13-0182)*		
32 31 13 13-0191	LF	1-5/8" Galvanized Steel Fence Rail, Tie Wire And Fittings	9.50	1.29
		For SS40, Add	*1.65*	
32 31 13 13-0192	LF	1-5/8" Vinyl Coated Fence Rail, Tie Wires And Fittings	11.55	1.29
		For SS40, Add	*0.86*	
		For Powder Coated, Add	*1.73*	
		For Aluminum Coated, Add	*3.45*	
32 31 13 13-0193		**Fabric** *(32 31 13 13)*		
32 31 13 13-0194		**Fabric, Galvanized Chain Link** *(32 31 13 13-0193)*		
32 31 13 13-0195	LF	3' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	11.47	2.34
		For 1-1/4" Mesh Fabric, Add	*1.08*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*0.96*	
		For 13 Gauge Fabric, Deduct	*-1.73*	
		For 11 Gauge Fabric, Deduct	*-0.96*	
		For 6 Gauge Fabric, Add	*3.08*	
		For 1" Mesh Fabric, Add	*2.89*	
		For 1-1/4" Mesh Fabric, Add	*1.93*	
		For 1-3/4" Mesh Fabric, Add	*1.16*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.58*	
		For 2-3/8" Mesh Fabric, Deduct	*-0.77*	
		For 3/8" Non-Climbable Mesh, Add	*33.28*	
32 31 13 13-0196	LF	3'-6" Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	12.69	2.64
		For 1-1/4" Mesh Fabric, Add	*1.26*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*1.12*	
		For 13 Gauge Fabric, Deduct	*-2.02*	
		For 11 Gauge Fabric, Deduct	*-1.12*	
		For 6 Gauge Fabric, Add	*3.59*	
		For 1" Mesh Fabric, Add	*3.37*	
		For 1-1/4" Mesh Fabric, Add	*2.25*	
		For 1-3/4" Mesh Fabric, Add	*1.35*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.67*	
		For 2-3/8" Mesh Fabric, Deduct	*-0.90*	
		For 3/8" Non-Climbable Mesh, Add	*38.13*	
32 31 13 13-0197	LF	4' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	13.72	2.92
		For 1-1/4" Mesh Fabric, Add	*1.38*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*1.24*	
		For 13 Gauge Fabric, Deduct	*-2.22*	
		For 11 Gauge Fabric, Deduct	*-1.24*	
		For 6 Gauge Fabric, Add	*3.95*	
		For 1" Mesh Fabric, Add	*3.71*	
		For 1-1/4" Mesh Fabric, Add	*2.47*	
		For 1-3/4" Mesh Fabric, Add	*1.48*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.74*	
		For 2-3/8" Mesh Fabric, Deduct	*-0.99*	
		For 3/8" Non-Climbable Mesh, Add	*43.02*	
32 31 13 13-0198	LF	5' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	15.53	3.52
		For 1-1/4" Mesh Fabric, Add	*1.72*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*1.54*	
		For 13 Gauge Fabric, Deduct	*-2.77*	
		For 11 Gauge Fabric, Deduct	*-1.54*	
		For 6 Gauge Fabric, Add	*4.93*	
		For 1" Mesh Fabric, Add	*4.62*	
		For 1-1/4" Mesh Fabric, Add	*3.08*	
		For 1-3/4" Mesh Fabric, Add	*1.85*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.92*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.23*	
		For 3/8" Non-Climbable Mesh, Add	*52.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0199	LF	6' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	17.43	4.10
		For 1-1/4" Mesh Fabric, Add	*2.07*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*1.85*	
		For 13 Gauge Fabric, Deduct	*-3.33*	
		For 11 Gauge Fabric, Deduct	*-1.85*	
		For 6 Gauge Fabric, Add	*5.92*	
		For 1" Mesh Fabric, Add	*5.55*	
		For 1-1/4" Mesh Fabric, Add	*3.70*	
		For 1-3/4" Mesh Fabric, Add	*2.22*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.11*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.48*	
		For 3/8" Non-Climbable Mesh, Add	*61.35*	
32 31 13 13-0200	LF	7' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	19.42	4.68
		For 1-1/4" Mesh Fabric, Add	*2.41*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*2.15*	
		For 13 Gauge Fabric, Deduct	*-3.87*	
		For 11 Gauge Fabric, Deduct	*-2.15*	
		For 6 Gauge Fabric, Add	*6.89*	
		For 1" Mesh Fabric, Add	*6.46*	
		For 1-1/4" Mesh Fabric, Add	*4.31*	
		For 1-3/4" Mesh Fabric, Add	*2.58*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.29*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.72*	
		For 3/8" Non-Climbable Mesh, Add	*70.69*	
32 31 13 13-0201	LF	8' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	21.56	5.86
		For 1-1/4" Mesh Fabric, Add	*2.76*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*2.46*	
		For 13 Gauge Fabric, Deduct	*-4.43*	
		For 11 Gauge Fabric, Deduct	*-2.46*	
		For 6 Gauge Fabric, Add	*7.88*	
		For 1" Mesh Fabric, Add	*7.39*	
		For 1-1/4" Mesh Fabric, Add	*4.93*	
		For 1-3/4" Mesh Fabric, Add	*2.96*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.48*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.97*	
		For 3/8" Non-Climbable Mesh, Add	*80.15*	
32 31 13 13-0202	LF	10' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	25.72	6.44
		For 1-1/4" Mesh Fabric, Add	*3.58*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*3.20*	
		For 13 Gauge Fabric, Deduct	*-5.76*	
		For 11 Gauge Fabric, Deduct	*-3.20*	
		For 6 Gauge Fabric, Add	*10.24*	
		For 1" Mesh Fabric, Add	*9.60*	
		For 1-1/4" Mesh Fabric, Add	*6.40*	
		For 1-3/4" Mesh Fabric, Add	*3.84*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.92*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.56*	
		For 3/8" Non-Climbable Mesh, Add	*96.84*	
32 31 13 13-0203	LF	12' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	29.39	7.02
		For 1-1/4" Mesh Fabric, Add	*4.30*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*3.84*	
		For 13 Gauge Fabric, Deduct	*-6.90*	
		For 11 Gauge Fabric, Deduct	*-3.84*	
		For 6 Gauge Fabric, Add	*12.27*	
		For 1" Mesh Fabric, Add	*11.51*	
		For 1-1/4" Mesh Fabric, Add	*7.67*	
		For 1-3/4" Mesh Fabric, Add	*4.60*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.30*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.07*	
		For 3/8" Non-Climbable Mesh, Add	*105.03*	
32 31 13 13-0204	LF	14' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	32.88	8.20
		For 1-1/4" Mesh Fabric, Add	*4.61*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*4.12*	
		For 13 Gauge Fabric, Deduct	*-7.42*	
		For 11 Gauge Fabric, Deduct	*-4.12*	
		For 6 Gauge Fabric, Add	*13.18*	
		For 1" Mesh Fabric, Add	*12.36*	
		For 1-1/4" Mesh Fabric, Add	*8.24*	
		For 1-3/4" Mesh Fabric, Add	*4.94*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.47*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.30*	
		For 3/8" Non-Climbable Mesh, Add	*114.45*	
32 31 13 13-0205	LF	16' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	36.35	9.37
		For 1-1/4" Mesh Fabric, Add	*4.93*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*4.40*	
		For 13 Gauge Fabric, Deduct	*-7.92*	
		For 11 Gauge Fabric, Deduct	*-4.40*	
		For 6 Gauge Fabric, Add	*14.09*	
		For 1" Mesh Fabric, Add	*13.21*	
		For 1-1/4" Mesh Fabric, Add	*8.81*	
		For 1-3/4" Mesh Fabric, Add	*5.28*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.64*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.52*	
		For 3/8" Non-Climbable Mesh, Add	*123.87*	

32 31 13 13-0206 Fabric, Vinyl Coated Chain Link *(32 31 13 13-0193)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0207	LF	4' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	15.28	2.34
		For 1-1/4" Mesh Fabric, Add	*1.82*	
		For 13 Gauge Fabric, Deduct	*-2.93*	
		For 11 Gauge Fabric, Deduct	*-1.63*	
		For 6 Gauge Fabric, Add	*5.20*	
		For 1" Mesh Fabric, Add	*4.88*	
		For 1-1/4" Mesh Fabric, Add	*3.25*	
		For 1-3/4" Mesh Fabric, Add	*1.95*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.98*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.30*	
		For 3/8" Non-Climbable Mesh, Add	*48.16*	
		For Aluminum Coated, Add	*2.60*	
32 31 13 13-0208	LF	5' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	17.50	3.52
		For 1-1/4" Mesh Fabric, Add	*2.28*	
		For 13 Gauge Fabric, Deduct	*-3.66*	
		For 11 Gauge Fabric, Deduct	*-2.03*	
		For 6 Gauge Fabric, Add	*6.50*	
		For 1" Mesh Fabric, Add	*6.10*	
		For 1-1/4" Mesh Fabric, Add	*4.07*	
		For 1-3/4" Mesh Fabric, Add	*2.44*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.22*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.63*	
		For 3/8" Non-Climbable Mesh, Add	*58.57*	
		For Aluminum Coated, Add	*3.25*	
32 31 13 13-0209	LF	6' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	21.43	4.10
		For 1-1/4" Mesh Fabric, Add	*3.19*	
		For 13 Gauge Fabric, Deduct	*-5.13*	
		For 11 Gauge Fabric, Deduct	*-2.85*	
		For 6 Gauge Fabric, Add	*9.12*	
		For 1" Mesh Fabric, Add	*8.55*	
		For 1-1/4" Mesh Fabric, Add	*5.70*	
		For 1-3/4" Mesh Fabric, Add	*3.42*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.71*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.28*	
		For 3/8" Non-Climbable Mesh, Add	*69.05*	
		For Aluminum Coated, Add	*4.56*	
32 31 13 13-0210	LF	7' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	24.08	4.68
		For 1-1/4" Mesh Fabric, Add	*3.72*	
		For 13 Gauge Fabric, Deduct	*-5.97*	
		For 11 Gauge Fabric, Deduct	*-3.32*	
		For 6 Gauge Fabric, Add	*10.62*	
		For 1" Mesh Fabric, Add	*9.95*	
		For 1-1/4" Mesh Fabric, Add	*6.64*	
		For 1-3/4" Mesh Fabric, Add	*3.98*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.99*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.65*	
		For 3/8" Non-Climbable Mesh, Add	*79.68*	
		For Aluminum Coated, Add	*5.31*	
32 31 13 13-0211	LF	8' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	26.99	5.86
		For 1-1/4" Mesh Fabric, Add	*4.28*	
		For 13 Gauge Fabric, Deduct	*-6.88*	
		For 11 Gauge Fabric, Deduct	*-3.82*	
		For 6 Gauge Fabric, Add	*12.22*	
		For 1" Mesh Fabric, Add	*11.46*	
		For 1-1/4" Mesh Fabric, Add	*7.64*	
		For 1-3/4" Mesh Fabric, Add	*4.58*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.29*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.06*	
		For 3/8" Non-Climbable Mesh, Add	*90.42*	
		For Aluminum Coated, Add	*6.11*	
32 31 13 13-0212	LF	10' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	31.94	6.44
		For 1-1/4" Mesh Fabric, Add	*5.33*	
		For 13 Gauge Fabric, Deduct	*-8.56*	
		For 11 Gauge Fabric, Deduct	*-4.76*	
		For 6 Gauge Fabric, Add	*15.22*	
		For 1" Mesh Fabric, Add	*14.27*	
		For 1-1/4" Mesh Fabric, Add	*9.51*	
		For 1-3/4" Mesh Fabric, Add	*5.71*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.85*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.80*	
		For 3/8" Non-Climbable Mesh, Add	*109.43*	
		For Aluminum Coated, Add	*7.61*	
32 31 13 13-0213	LF	12' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	34.85	7.02
		For 1-1/4" Mesh Fabric, Add	*5.82*	
		For 13 Gauge Fabric, Deduct	*-9.36*	
		For 11 Gauge Fabric, Deduct	*-5.20*	
		For 6 Gauge Fabric, Add	*16.64*	
		For 1" Mesh Fabric, Add	*15.60*	
		For 1-1/4" Mesh Fabric, Add	*10.40*	
		For 1-3/4" Mesh Fabric, Add	*6.24*	
		For 2-1/8" Mesh Fabric, Deduct	*-3.12*	
		For 2-3/8" Mesh Fabric, Deduct	*-4.16*	
		For 3/8" Non-Climbable Mesh, Add	*118.67*	
		For Aluminum Coated, Add	*8.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0214	LF	14' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	39.30	8.20
		For 1-1/4" Mesh Fabric, Add	*6.41*	
		For 13 Gauge Fabric, Deduct	*-10.31*	
		For 11 Gauge Fabric, Deduct	*-5.73*	
		For 6 Gauge Fabric, Add	*18.32*	
		For 1" Mesh Fabric, Add	*17.18*	
		For 1-1/4" Mesh Fabric, Add	*11.45*	
		For 1-3/4" Mesh Fabric, Add	*6.87*	
		For 2-1/8" Mesh Fabric, Deduct	*-3.44*	
		For 2-3/8" Mesh Fabric, Deduct	*-4.58*	
		For 3/8" Non-Climbable Mesh, Add	*129.16*	
		For Aluminum Coated, Add	*9.16*	
32 31 13 13-0215	LF	16' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	43.83	9.37
		For 1-1/4" Mesh Fabric, Add	*7.03*	
		For 13 Gauge Fabric, Deduct	*-11.29*	
		For 11 Gauge Fabric, Deduct	*-6.27*	
		For 6 Gauge Fabric, Add	*20.07*	
		For 1" Mesh Fabric, Add	*18.82*	
		For 1-1/4" Mesh Fabric, Add	*12.55*	
		For 1-3/4" Mesh Fabric, Add	*7.53*	
		For 2-1/8" Mesh Fabric, Deduct	*-3.76*	
		For 2-3/8" Mesh Fabric, Deduct	*-5.02*	
		For 3/8" Non-Climbable Mesh, Add	*139.64*	
		For Aluminum Coated, Add	*10.04*	

32 31 13 13-0216 Fabric, Aluminized Steel Chain Link *(32 31 13 13-0193)*

32 31 13 13-0217	LF	3' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	11.00	2.34
		For 6 Gauge Fabric, Add	*2.70*	
		For 1" Mesh Fabric, Add	*3.55*	
32 31 13 13-0218	LF	3'-6" Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	12.12	2.64
		For 6 Gauge Fabric, Add	*3.14*	
		For 1" Mesh Fabric, Add	*4.12*	
32 31 13 13-0219	LF	4' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	13.27	2.92
		For 6 Gauge Fabric, Add	*3.59*	
		For 1" Mesh Fabric, Add	*4.71*	
32 31 13 13-0220	LF	5' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	14.98	3.52
		For 6 Gauge Fabric, Add	*4.49*	
		For 1" Mesh Fabric, Add	*5.89*	
32 31 13 13-0221	LF	6' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	16.74	4.10
		For 6 Gauge Fabric, Add	*5.37*	
		For 1" Mesh Fabric, Add	*7.05*	
32 31 13 13-0222	LF	7' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	18.66	4.68
		For 6 Gauge Fabric, Add	*6.28*	
		For 1" Mesh Fabric, Add	*8.24*	
32 31 13 13-0223	LF	8' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	20.67	5.86
		For 6 Gauge Fabric, Add	*7.17*	
		For 1" Mesh Fabric, Add	*9.41*	
32 31 13 13-0224	LF	10' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	24.12	6.44
		For 6 Gauge Fabric, Add	*8.96*	
		For 1" Mesh Fabric, Add	*11.76*	
32 31 13 13-0225	LF	12' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	27.49	7.02
		For 6 Gauge Fabric, Add	*10.75*	
		For 1" Mesh Fabric, Add	*14.11*	

32 31 13 13-0226 Fabric, All Aluminum Chain Link *(32 31 13 13-0193)*

32 31 13 13-0227	LF	3' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	16.45	2.34
		For 6 Gauge Fabric, Add	*7.06*	
		For 1" Mesh Fabric, Add	*9.27*	
32 31 13 13-0228	LF	3'-6" Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	18.50	2.64
		For 6 Gauge Fabric, Add	*8.24*	
		For 1" Mesh Fabric, Add	*10.82*	
32 31 13 13-0229	LF	4' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	20.55	2.92
		For 6 Gauge Fabric, Add	*9.42*	
		For 1" Mesh Fabric, Add	*12.36*	
32 31 13 13-0230	LF	5' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	24.08	3.52
		For 6 Gauge Fabric, Add	*11.77*	
		For 1" Mesh Fabric, Add	*15.45*	
32 31 13 13-0231	LF	6' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	27.69	4.10
		For 6 Gauge Fabric, Add	*14.13*	
		For 1" Mesh Fabric, Add	*18.54*	
32 31 13 13-0232	LF	7' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	31.41	4.68
		For 6 Gauge Fabric, Add	*16.48*	
		For 1" Mesh Fabric, Add	*21.63*	
32 31 13 13-0233	LF	8' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	35.25	5.86
		For 6 Gauge Fabric, Add	*18.83*	
		For 1" Mesh Fabric, Add	*24.72*	
32 31 13 13-0234	LF	10' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	42.35	6.44
		For 6 Gauge Fabric, Add	*23.54*	
		For 1" Mesh Fabric, Add	*30.90*	
32 31 13 13-0235	LF	12' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	49.36	7.02
		For 6 Gauge Fabric, Add	*28.25*	
		For 1" Mesh Fabric, Add	*37.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0236		**Fence Inserts** *(32 31 13 13-0193)*		
		Note: For use with new or existing chain link fence, per lf of fence.		
32 31 13 13-0237		**Vinyl Plastic Fence Inserts** *(32 31 13 13-0236)*		
		Note: Assorted colors.		
32 31 13 13-0238	LF	3' High Fence, Vinyl Plastic Fence Insert	10.21	
32 31 13 13-0239	LF	3-1/2' High Fence, Vinyl Plastic Fence Insert	11.66	
32 31 13 13-0240	LF	4' High Fence, Vinyl Plastic Fence Insert	12.86	
32 31 13 13-0241	LF	5' High Fence, Vinyl Plastic Fence Insert	16.13	
32 31 13 13-0242	LF	6' High Fence, Vinyl Plastic Fence Insert	19.29	
32 31 13 13-0243	LF	7' High Fence, Vinyl Plastic Fence Insert	22.56	
32 31 13 13-0244	LF	8' High Fence, Vinyl Plastic Fence Insert	25.73	
32 31 13 13-0245	LF	10' High Fence, Vinyl Plastic Fence Insert	31.20	
32 31 13 13-0246		**Aluminum Fence Inserts** *(32 31 13 13-0236)*		
		Note: Assorted colors.		
32 31 13 13-0247	LF	3' High Fence, Aluminum Fence Insert	34.40	
32 31 13 13-0248	LF	3-1/2' High Fence, Aluminum Fence Insert	37.74	
32 31 13 13-0249	LF	4' High Fence, Aluminum Fence Insert	42.94	
32 31 13 13-0250	LF	5' High Fence, Aluminum Fence Insert	53.73	
32 31 13 13-0251	LF	6' High Fence, Aluminum Fence Insert	64.48	
32 31 13 13-0252	LF	7' High Fence, Aluminum Fence Insert	70.13	
32 31 13 13-0253	LF	8' High Fence, Aluminum Fence Insert	85.95	
32 31 13 13-0254	LF	10' High Fence, Aluminum Fence Insert	106.88	
32 31 13 13-0255		**Redwood Fence Inserts** *(32 31 13 13-0236)*		
32 31 13 13-0256	LF	4' High Fence, Redwood Fence Insert	14.99	
32 31 13 13-0257	LF	5' High Fence, Redwood Fence Insert	18.96	
32 31 13 13-0258	LF	6' High Fence, Redwood Fence Insert	22.78	
32 31 13 13-0259	LF	7' High Fence, Redwood Fence Insert	26.51	
32 31 13 13-0260	LF	8' High Fence, Redwood Fence Insert	30.33	
32 31 13 13-0261		**Diagonal Flexible Polyethylene Inserts** *(32 31 13 13-0236)*		
32 31 13 13-0262	SF	Diagonal Polyethylene Fence Weave	4.07	
32 31 13 13-0263		**Hedge Link Fence Inserts** *(32 31 13 13-0236)*		
32 31 13 13-0264	LF	3' High Fence, Hedge Link Fence Insert	21.70	
32 31 13 13-0265	LF	3-1/2' High Fence, Hedge Link Fence Insert	24.71	
32 31 13 13-0266	LF	4' High Fence, Hedge Link Fence Insert	28.99	
32 31 13 13-0267	LF	5' High Fence, Hedge Link Fence Insert	35.76	
32 31 13 13-0268	LF	6' High Fence, Hedge Link Fence Insert	40.94	
32 31 13 13-0269	LF	7' High Fence, Hedge Link Fence Insert	51.66	
32 31 13 13-0270	LF	8' High Fence, Hedge Link Fence Insert	58.67	
32 31 13 13-0271	LF	10' High Fence, Hedge Link Fence Insert	70.09	
32 31 13 13-0272	LF	12' High Fence, Hedge Link Fence Insert	80.39	
32 31 13 13-0273		**Fence Windscreen Fabric** *(32 31 13 13-0193)*		
		Note: Includes plastic wire clips.		
32 31 13 13-0274	SF	Vinyl Coated Polyester Windscreen For Fence, 7 Oz Per SY	1.38	0.63
		For Sewn Boxed Vent (Each), Add	*29.02*	
		For Welded Boxed Vent (Each), Add	*14.51*	
		For 4' x 4' One Color Logo (Each), Add	*604.58*	
32 31 13 13-0275		**Non-Climbable Fabric, Galvanized Chain Link** *(32 31 13 13-0193)*		
32 31 13 13-0276	LF	3' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	33.28	2.34
		For 11 Gauge, Deduct	*-5.13*	
		For 10 Gauge, Deduct	*-2.05*	
		For 7 Gauge, Add	*3.08*	
		For 6 Gauge, Add	*7.18*	
		For 1/2" Mesh Fabric, Deduct	*-1.28*	
		For 5/8" Mesh Fabric, Deduct	*-2.82*	
		For 3/4" Mesh Fabric, Deduct	*-4.11*	
32 31 13 13-0277	LF	3'-6" Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	38.13	2.64
		For 11 Gauge, Deduct	*-5.99*	
		For 10 Gauge, Deduct	*-2.39*	
		For 7 Gauge, Add	*3.59*	
		For 6 Gauge, Add	*8.38*	
		For 1/2" Mesh Fabric, Deduct	*-1.50*	
		For 5/8" Mesh Fabric, Deduct	*-3.29*	
		For 3/4" Mesh Fabric, Deduct	*-4.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0278	LF	4' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	43.02	2.92
		For 11 Gauge, Deduct	*-6.85*	
		For 10 Gauge, Deduct	*-2.74*	
		For 7 Gauge, Add	*4.11*	
		For 6 Gauge, Add	*9.59*	
		For 1/2" Mesh Fabric, Deduct	*-1.71*	
		For 5/8" Mesh Fabric, Deduct	*-3.77*	
		For 3/4" Mesh Fabric, Deduct	*-5.48*	
32 31 13 13-0279	LF	5' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	52.15	3.52
		For 11 Gauge, Deduct	*-8.56*	
		For 10 Gauge, Deduct	*-3.42*	
		For 7 Gauge, Add	*5.13*	
		For 6 Gauge, Add	*11.98*	
		For 1/2" Mesh Fabric, Deduct	*-2.14*	
		For 5/8" Mesh Fabric, Deduct	*-4.71*	
		For 3/4" Mesh Fabric, Deduct	*-6.84*	
32 31 13 13-0280	LF	6' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	61.35	4.10
		For 11 Gauge, Deduct	*-10.26*	
		For 10 Gauge, Deduct	*-4.11*	
		For 7 Gauge, Add	*6.16*	
		For 6 Gauge, Add	*14.37*	
		For 1/2" Mesh Fabric, Deduct	*-2.57*	
		For 5/8" Mesh Fabric, Deduct	*-5.65*	
		For 3/4" Mesh Fabric, Deduct	*-8.21*	
32 31 13 13-0281	LF	7' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	70.69	4.68
		For 11 Gauge, Deduct	*-11.98*	
		For 10 Gauge, Deduct	*-4.79*	
		For 7 Gauge, Add	*7.19*	
		For 6 Gauge, Add	*16.77*	
		For 1/2" Mesh Fabric, Deduct	*-2.99*	
		For 5/8" Mesh Fabric, Deduct	*-6.59*	
		For 3/4" Mesh Fabric, Deduct	*-9.58*	
32 31 13 13-0282	LF	8' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	80.15	5.86
		For 11 Gauge, Deduct	*-13.69*	
		For 10 Gauge, Deduct	*-5.48*	
		For 7 Gauge, Add	*8.21*	
		For 6 Gauge, Add	*19.16*	
		For 1/2" Mesh Fabric, Deduct	*-3.42*	
		For 5/8" Mesh Fabric, Deduct	*-7.53*	
		For 3/4" Mesh Fabric, Deduct	*-10.95*	
32 31 13 13-0283	LF	9' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	88.48	6.15
		For 11 Gauge, Deduct	*-15.24*	
		For 10 Gauge, Deduct	*-6.09*	
		For 7 Gauge, Add	*9.14*	
		For 6 Gauge, Add	*21.33*	
		For 1/2" Mesh Fabric, Deduct	*-3.81*	
		For 5/8" Mesh Fabric, Deduct	*-8.38*	
		For 3/4" Mesh Fabric, Deduct	*-12.19*	
32 31 13 13-0284	LF	10' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	96.84	6.44
		For 11 Gauge, Deduct	*-16.78*	
		For 10 Gauge, Deduct	*-6.71*	
		For 7 Gauge, Add	*10.07*	
		For 6 Gauge, Add	*23.50*	
		For 1/2" Mesh Fabric, Deduct	*-4.20*	
		For 5/8" Mesh Fabric, Deduct	*-9.23*	
		For 3/4" Mesh Fabric, Deduct	*-13.43*	
32 31 13 13-0285	LF	12' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	105.03	7.02
		For 11 Gauge, Deduct	*-18.20*	
		For 10 Gauge, Deduct	*-7.28*	
		For 7 Gauge, Add	*10.92*	
		For 6 Gauge, Add	*25.47*	
		For 1/2" Mesh Fabric, Deduct	*-4.55*	
		For 5/8" Mesh Fabric, Deduct	*-10.01*	
		For 3/4" Mesh Fabric, Deduct	*-14.56*	

32 31 13 13-0286 **Gates** *(32 31 13 13)*

Note: Posts exclude drilling or augering in soil or rock. For barbed wire attached directly to posts and gates, select gates and posts sizes for full finished height of gate above grade (top rail to be at lower height, includes barb wire at top area where mesh would be). See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.

32 31 13 13-0287 **Galvanized Steel Without Barbed Wire** *(32 31 13 13-0286)*

Note: Industrial swing gate. Includes posts (3" diameter posts for up to 6' wide gate, 4" diameter for > 6' To 12' wide, 6-5/8" diameter for >12' To 18' wide, 8-5/8" diameter for over 18' wide), 2" diameter schedule pipe frame, offset hinges, cap and hardware (drop rod, center locking device, gate keeper, catch bolt and tension bands). Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.

32 31 13 13-0288 **4' Fence Height** *(32 31 13 13-0287)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0289	EA	3' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	369.28	26.41
		For Gate With Single Barb Wire Arm, Add	*31.54*	
		For Gate With Double Barb Wire Arm, Add	*45.88*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-53.77*	
		For Aluminized Steel Gate And Post, Add	*137.64*	
		For Powder Coated Gate And Post, Add	*74.56*	
		For 1" Mesh Fabric, Add	*124.74*	
		For 1-1/4" Mesh Fabric, Add	*80.29*	
		For 1-3/4" Mesh Fabric, Add	*49.89*	
		For 2-1/8" Mesh Fabric, Deduct	*-24.95*	
32 31 13 13-0290	EA	4' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	464.86	27.51
		For Gate With Single Barb Wire Arm, Add	*42.06*	
		For Gate With Double Barb Wire Arm, Add	*61.17*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-71.69*	
		For Aluminized Steel Gate And Post, Add	*183.52*	
		For Powder Coated Gate And Post, Add	*99.41*	
		For 1" Mesh Fabric, Add	*166.31*	
		For 1-1/4" Mesh Fabric, Add	*107.05*	
		For 1-3/4" Mesh Fabric, Add	*66.53*	
		For 2-1/8" Mesh Fabric, Deduct	*-33.26*	
32 31 13 13-0291	EA	5' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	549.62	29.26
		For Gate With Single Barb Wire Arm, Add	*50.78*	
		For Gate With Double Barb Wire Arm, Add	*73.86*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-86.55*	
		For Aluminized Steel Gate And Post, Add	*221.57*	
		For Powder Coated Gate And Post, Add	*120.02*	
		For 1" Mesh Fabric, Add	*200.80*	
		For 1-1/4" Mesh Fabric, Add	*129.25*	
		For 1-3/4" Mesh Fabric, Add	*80.32*	
		For 2-1/8" Mesh Fabric, Deduct	*-40.16*	
32 31 13 13-0292	EA	6' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	646.51	35.21
		For Gate With Single Barb Wire Arm, Add	*59.49*	
		For Gate With Double Barb Wire Arm, Add	*86.54*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-101.41*	
		For Aluminized Steel Gate And Post, Add	*259.61*	
		For Powder Coated Gate And Post, Add	*140.62*	
		For 1" Mesh Fabric, Add	*235.27*	
		For 1-1/4" Mesh Fabric, Add	*151.44*	
		For 1-3/4" Mesh Fabric, Add	*94.11*	
		For 2-1/8" Mesh Fabric, Deduct	*-47.05*	
32 31 13 13-0293	EA	7' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	743.38	41.04
		For Gate With Single Barb Wire Arm, Add	*68.21*	
		For Gate With Double Barb Wire Arm, Add	*99.22*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-116.27*	
		For Aluminized Steel Gate And Post, Add	*297.66*	
		For Powder Coated Gate And Post, Add	*161.23*	
		For 1" Mesh Fabric, Add	*269.76*	
		For 1-1/4" Mesh Fabric, Add	*173.64*	
		For 1-3/4" Mesh Fabric, Add	*107.90*	
		For 2-1/8" Mesh Fabric, Deduct	*-53.95*	
32 31 13 13-0294	EA	8' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	843.49	46.87
		For Gate With Single Barb Wire Arm, Add	*77.29*	
		For Gate With Double Barb Wire Arm, Add	*112.42*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-131.75*	
		For Aluminized Steel Gate And Post, Add	*337.27*	
		For Powder Coated Gate And Post, Add	*182.69*	
		For 1" Mesh Fabric, Add	*305.65*	
		For 1-1/4" Mesh Fabric, Add	*196.74*	
		For 1-3/4" Mesh Fabric, Add	*122.26*	
		For 2-1/8" Mesh Fabric, Deduct	*-61.13*	
32 31 13 13-0295	EA	9' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	940.36	52.82
		For Gate With Single Barb Wire Arm, Add	*86.01*	
		For Gate With Double Barb Wire Arm, Add	*125.11*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-146.61*	
		For Aluminized Steel Gate And Post, Add	*375.32*	
		For Powder Coated Gate And Post, Add	*203.30*	
		For 1" Mesh Fabric, Add	*340.14*	
		For 1-1/4" Mesh Fabric, Add	*218.94*	
		For 1-3/4" Mesh Fabric, Add	*136.05*	
		For 2-1/8" Mesh Fabric, Deduct	*-68.03*	
32 31 13 13-0296	EA	10' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	1,038.63	58.65
		For Gate With Single Barb Wire Arm, Add	*94.88*	
		For Gate With Double Barb Wire Arm, Add	*138.01*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-161.73*	
		For Aluminized Steel Gate And Post, Add	*414.04*	
		For Powder Coated Gate And Post, Add	*224.27*	
		For 1" Mesh Fabric, Add	*375.22*	
		For 1-1/4" Mesh Fabric, Add	*241.52*	
		For 1-3/4" Mesh Fabric, Add	*150.09*	
		For 2-1/8" Mesh Fabric, Deduct	*-75.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0297	EA	10' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,323.06	58.65
		For Gate With Single Barb Wire Arm, Add	*126.17*	
		For Gate With Double Barb Wire Arm, Add	*183.52*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-215.06*	
		For Aluminized Steel Gate And Post, Add	*550.56*	
		For Powder Coated Gate And Post, Add	*298.22*	
		For 1" Mesh Fabric, Add	*498.95*	
		For 1-1/4" Mesh Fabric, Add	*321.16*	
		For 1-3/4" Mesh Fabric, Add	*199.58*	
		For 2-1/8" Mesh Fabric, Deduct	*-99.79*	
32 31 13 13-0298	EA	12' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,565.03	62.83
		For Gate With Single Barb Wire Arm, Add	*151.40*	
		For Gate With Double Barb Wire Arm, Add	*220.22*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-258.08*	
		For Aluminized Steel Gate And Post, Add	*660.67*	
		For Powder Coated Gate And Post, Add	*357.86*	
		For 1" Mesh Fabric, Add	*598.73*	
		For 1-1/4" Mesh Fabric, Add	*385.39*	
		For 1-3/4" Mesh Fabric, Add	*239.49*	
		For 2-1/8" Mesh Fabric, Deduct	*-119.75*	
32 31 13 13-0299	EA	14' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,808.94	67.67
		For Gate With Single Barb Wire Arm, Add	*176.64*	
		For Gate With Double Barb Wire Arm, Add	*256.93*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-301.09*	
		For Aluminized Steel Gate And Post, Add	*770.78*	
		For Powder Coated Gate And Post, Add	*417.51*	
		For 1" Mesh Fabric, Add	*698.52*	
		For 1-1/4" Mesh Fabric, Add	*449.62*	
		For 1-3/4" Mesh Fabric, Add	*279.41*	
		For 2-1/8" Mesh Fabric, Deduct	*-139.70*	
32 31 13 13-0300	EA	16' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	2,055.26	73.28
		For Gate With Single Barb Wire Arm, Add	*201.87*	
		For Gate With Double Barb Wire Arm, Add	*293.63*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-344.10*	
		For Aluminized Steel Gate And Post, Add	*880.90*	
		For Powder Coated Gate And Post, Add	*477.15*	
		For 1" Mesh Fabric, Add	*798.31*	
		For 1-1/4" Mesh Fabric, Add	*513.86*	
		For 1-3/4" Mesh Fabric, Add	*319.32*	
		For 2-1/8" Mesh Fabric, Deduct	*-159.66*	
32 31 13 13-0301	EA	18' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	2,336.18	90.38
		For Gate With Single Barb Wire Arm, Add	*227.11*	
		For Gate With Double Barb Wire Arm, Add	*330.34*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-387.11*	
		For Aluminized Steel Gate And Post, Add	*991.01*	
		For Powder Coated Gate And Post, Add	*536.80*	
		For 1" Mesh Fabric, Add	*898.10*	
		For 1-1/4" Mesh Fabric, Add	*578.09*	
		For 1-3/4" Mesh Fabric, Add	*359.24*	
		For 2-1/8" Mesh Fabric, Deduct	*-179.62*	
32 31 13 13-0302	EA	20' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	2,584.97	96.88
		For Gate With Single Barb Wire Arm, Add	*252.34*	
		For Gate With Double Barb Wire Arm, Add	*367.04*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-430.13*	
		For Aluminized Steel Gate And Post, Add	*1,101.12*	
		For Powder Coated Gate And Post, Add	*596.44*	
		For 1" Mesh Fabric, Add	*997.89*	
		For 1-1/4" Mesh Fabric, Add	*642.32*	
		For 1-3/4" Mesh Fabric, Add	*399.16*	
		For 2-1/8" Mesh Fabric, Deduct	*-199.58*	
32 31 13 13-0303	EA	22' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	2,831.16	104.39
		For Gate With Single Barb Wire Arm, Add	*276.96*	
		For Gate With Double Barb Wire Arm, Add	*402.85*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-472.09*	
		For Aluminized Steel Gate And Post, Add	*1,208.54*	
		For Powder Coated Gate And Post, Add	*654.63*	
		For 1" Mesh Fabric, Add	*1,095.24*	
		For 1-1/4" Mesh Fabric, Add	*704.98*	
		For 1-3/4" Mesh Fabric, Add	*438.10*	
		For 2-1/8" Mesh Fabric, Deduct	*-219.05*	
32 31 13 13-0304	EA	24' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	3,081.08	113.04
		For Gate With Single Barb Wire Arm, Add	*301.58*	
		For Gate With Double Barb Wire Arm, Add	*438.66*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-514.05*	
		For Aluminized Steel Gate And Post, Add	*1,315.97*	
		For Powder Coated Gate And Post, Add	*712.82*	
		For 1" Mesh Fabric, Add	*1,192.60*	
		For 1-1/4" Mesh Fabric, Add	*767.65*	
		For 1-3/4" Mesh Fabric, Add	*477.04*	
		For 2-1/8" Mesh Fabric, Deduct	*-238.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0305	EA	26' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	3,335.74	123.36
		For Gate With Single Barb Wire Arm, Add	*326.20*	
		For Gate With Double Barb Wire Arm, Add	*474.47*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-556.01*	
		For Aluminized Steel Gate And Post, Add	*1,423.40*	
		For Powder Coated Gate And Post, Add	*771.01*	
		For 1" Mesh Fabric, Add	*1,289.95*	
		For 1-1/4" Mesh Fabric, Add	*830.31*	
		For 1-3/4" Mesh Fabric, Add	*515.98*	
		For 2-1/8" Mesh Fabric, Deduct	*-257.99*	
32 31 13 13-0306	EA	28' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	3,512.65	135.70
		For Gate With Single Barb Wire Arm, Add	*341.58*	
		For Gate With Double Barb Wire Arm, Add	*496.85*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-582.24*	
		For Aluminized Steel Gate And Post, Add	*1,490.54*	
		For Powder Coated Gate And Post, Add	*807.38*	
		For 1" Mesh Fabric, Add	*1,350.80*	
		For 1-1/4" Mesh Fabric, Add	*869.48*	
		For 1-3/4" Mesh Fabric, Add	*540.32*	
		For 2-1/8" Mesh Fabric, Deduct	*-270.16*	
32 31 13 13-0307	EA	30' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	3,893.63	150.72
		For Gate With Single Barb Wire Arm, Add	*378.51*	
		For Gate With Double Barb Wire Arm, Add	*550.56*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-645.19*	
		For Aluminized Steel Gate And Post, Add	*1,651.68*	
		For Powder Coated Gate And Post, Add	*894.66*	
		For 1" Mesh Fabric, Add	*1,496.84*	
		For 1-1/4" Mesh Fabric, Add	*963.48*	
		For 1-3/4" Mesh Fabric, Add	*598.73*	
		For 2-1/8" Mesh Fabric, Deduct	*-299.37*	
32 31 13 13-0308		**5' Fence Height** *(32 31 13 13-0287)*		
32 31 13 13-0309	EA	3' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	442.38	29.26
		For Gate With Single Barb Wire Arm, Add	*38.98*	
		For Gate With Double Barb Wire Arm, Add	*56.70*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-66.44*	
		For Aluminized Steel Gate And Post, Add	*170.09*	
		For Powder Coated Gate And Post, Add	*92.13*	
		For 1" Mesh Fabric, Add	*154.15*	
		For 1-1/4" Mesh Fabric, Add	*99.22*	
		For 1-3/4" Mesh Fabric, Add	*61.66*	
		For 2-1/8" Mesh Fabric, Deduct	*-30.83*	
32 31 13 13-0310	EA	4' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	558.94	29.26
		For Gate With Single Barb Wire Arm, Add	*51.80*	
		For Gate With Double Barb Wire Arm, Add	*75.35*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-88.30*	
		For Aluminized Steel Gate And Post, Add	*226.04*	
		For Powder Coated Gate And Post, Add	*122.44*	
		For 1" Mesh Fabric, Add	*204.85*	
		For 1-1/4" Mesh Fabric, Add	*131.86*	
		For 1-3/4" Mesh Fabric, Add	*81.94*	
		For 2-1/8" Mesh Fabric, Deduct	*-40.97*	
32 31 13 13-0311	EA	5' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	653.05	31.14
		For Gate With Single Barb Wire Arm, Add	*61.55*	
		For Gate With Double Barb Wire Arm, Add	*89.52*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-104.91*	
		For Aluminized Steel Gate And Post, Add	*268.56*	
		For Powder Coated Gate And Post, Add	*145.47*	
		For 1" Mesh Fabric, Add	*243.39*	
		For 1-1/4" Mesh Fabric, Add	*156.66*	
		For 1-3/4" Mesh Fabric, Add	*97.35*	
		For 2-1/8" Mesh Fabric, Deduct	*-48.68*	
32 31 13 13-0312	EA	6' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	765.00	37.41
		For Gate With Single Barb Wire Arm, Add	*71.80*	
		For Gate With Double Barb Wire Arm, Add	*104.44*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-122.39*	
		For Aluminized Steel Gate And Post, Add	*313.32*	
		For Powder Coated Gate And Post, Add	*169.72*	
		For 1" Mesh Fabric, Add	*283.95*	
		For 1-1/4" Mesh Fabric, Add	*182.77*	
		For 1-3/4" Mesh Fabric, Add	*113.58*	
		For 2-1/8" Mesh Fabric, Deduct	*-56.79*	
32 31 13 13-0313	EA	7' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	867.63	43.57
		For Gate With Single Barb Wire Arm, Add	*81.04*	
		For Gate With Double Barb Wire Arm, Add	*117.87*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-138.13*	
		For Aluminized Steel Gate And Post, Add	*353.61*	
		For Powder Coated Gate And Post, Add	*191.54*	
		For 1" Mesh Fabric, Add	*320.46*	
		For 1-1/4" Mesh Fabric, Add	*206.27*	
		For 1-3/4" Mesh Fabric, Add	*128.18*	
		For 2-1/8" Mesh Fabric, Deduct	*-64.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0314	EA	8' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	980.69	50.18
		For Gate With Single Barb Wire Arm, Add	*91.29*	
		For Gate With Double Barb Wire Arm, Add	*132.79*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-155.61*	
		For Aluminized Steel Gate And Post, Add	*398.37*	
		For Powder Coated Gate And Post, Add	*215.78*	
		For 1" Mesh Fabric, Add	*361.02*	
		For 1-1/4" Mesh Fabric, Add	*232.38*	
		For 1-3/4" Mesh Fabric, Add	*144.41*	
		For 2-1/8" Mesh Fabric, Deduct	*-72.20*	
32 31 13 13-0315	EA	9' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	1,087.97	56.45
		For Gate With Single Barb Wire Arm, Add	*101.04*	
		For Gate With Double Barb Wire Arm, Add	*146.96*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-172.22*	
		For Aluminized Steel Gate And Post, Add	*440.89*	
		For Powder Coated Gate And Post, Add	*238.82*	
		For 1" Mesh Fabric, Add	*399.56*	
		For 1-1/4" Mesh Fabric, Add	*257.19*	
		For 1-3/4" Mesh Fabric, Add	*159.82*	
		For 2-1/8" Mesh Fabric, Deduct	*-79.91*	
32 31 13 13-0316	EA	10' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	1,195.28	62.61
		For Gate With Single Barb Wire Arm, Add	*110.78*	
		For Gate With Double Barb Wire Arm, Add	*161.14*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-188.84*	
		For Aluminized Steel Gate And Post, Add	*483.42*	
		For Powder Coated Gate And Post, Add	*261.85*	
		For 1" Mesh Fabric, Add	*438.10*	
		For 1-1/4" Mesh Fabric, Add	*281.99*	
		For 1-3/4" Mesh Fabric, Add	*175.24*	
		For 2-1/8" Mesh Fabric, Deduct	*-87.62*	
32 31 13 13-0317	EA	10' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,609.79	62.83
		For Gate With Single Barb Wire Arm, Add	*156.33*	
		For Gate With Double Barb Wire Arm, Add	*227.39*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-266.47*	
		For Aluminized Steel Gate And Post, Add	*682.16*	
		For Powder Coated Gate And Post, Add	*369.50*	
		For 1" Mesh Fabric, Add	*618.20*	
		For 1-1/4" Mesh Fabric, Add	*397.92*	
		For 1-3/4" Mesh Fabric, Add	*247.28*	
		For 2-1/8" Mesh Fabric, Deduct	*-123.64*	
32 31 13 13-0318	EA	12' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,909.65	67.67
		For Gate With Single Barb Wire Arm, Add	*187.72*	
		For Gate With Double Barb Wire Arm, Add	*273.04*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-319.97*	
		For Aluminized Steel Gate And Post, Add	*819.12*	
		For Powder Coated Gate And Post, Add	*443.69*	
		For 1" Mesh Fabric, Add	*742.33*	
		For 1-1/4" Mesh Fabric, Add	*477.82*	
		For 1-3/4" Mesh Fabric, Add	*296.93*	
		For 2-1/8" Mesh Fabric, Deduct	*-148.47*	
32 31 13 13-0319	EA	14' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	2,211.92	73.28
		For Gate With Single Barb Wire Arm, Add	*219.10*	
		For Gate With Double Barb Wire Arm, Add	*318.70*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-373.47*	
		For Aluminized Steel Gate And Post, Add	*956.09*	
		For Powder Coated Gate And Post, Add	*517.88*	
		For 1" Mesh Fabric, Add	*866.46*	
		For 1-1/4" Mesh Fabric, Add	*557.72*	
		For 1-3/4" Mesh Fabric, Add	*346.58*	
		For 2-1/8" Mesh Fabric, Deduct	*-173.29*	
32 31 13 13-0320	EA	16' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	2,548.79	90.38
		For Gate With Single Barb Wire Arm, Add	*250.49*	
		For Gate With Double Barb Wire Arm, Add	*364.35*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-426.98*	
		For Aluminized Steel Gate And Post, Add	*1,093.06*	
		For Powder Coated Gate And Post, Add	*592.07*	
		For 1" Mesh Fabric, Add	*990.59*	
		For 1-1/4" Mesh Fabric, Add	*637.62*	
		For 1-3/4" Mesh Fabric, Add	*396.23*	
		For 2-1/8" Mesh Fabric, Deduct	*-198.12*	
32 31 13 13-0321	EA	18' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	2,847.94	96.88
		For Gate With Single Barb Wire Arm, Add	*281.27*	
		For Gate With Double Barb Wire Arm, Add	*409.12*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-479.43*	
		For Aluminized Steel Gate And Post, Add	*1,227.35*	
		For Powder Coated Gate And Post, Add	*664.81*	
		For 1" Mesh Fabric, Add	*1,112.28*	
		For 1-1/4" Mesh Fabric, Add	*715.95*	
		For 1-3/4" Mesh Fabric, Add	*444.91*	
		For 2-1/8" Mesh Fabric, Deduct	*-222.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0322	EA	20' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	3,161.28	104.39
		For Gate With Single Barb Wire Arm, Add	*313.27*	
		For Gate With Double Barb Wire Arm, Add	*455.67*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-533.99*	
		For Aluminized Steel Gate And Post, Add	*1,367.00*	
		For Powder Coated Gate And Post, Add	*740.46*	
		For 1" Mesh Fabric, Add	*1,238.85*	
		For 1-1/4" Mesh Fabric, Add	*797.42*	
		For 1-3/4" Mesh Fabric, Add	*495.54*	
		For 2-1/8" Mesh Fabric, Deduct	*-247.77*	
32 31 13 13-0323	EA	22' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	3,472.74	113.04
		For Gate With Single Barb Wire Arm, Add	*344.66*	
		For Gate With Double Barb Wire Arm, Add	*501.32*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-587.49*	
		For Aluminized Steel Gate And Post, Add	*1,503.97*	
		For Powder Coated Gate And Post, Add	*814.65*	
		For 1" Mesh Fabric, Add	*1,362.97*	
		For 1-1/4" Mesh Fabric, Add	*877.32*	
		For 1-3/4" Mesh Fabric, Add	*545.19*	
		For 2-1/8" Mesh Fabric, Deduct	*-272.59*	
32 31 13 13-0324	EA	24' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	3,783.35	123.36
		For Gate With Single Barb Wire Arm, Add	*375.43*	
		For Gate With Double Barb Wire Arm, Add	*546.08*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-639.94*	
		For Aluminized Steel Gate And Post, Add	*1,638.25*	
		For Powder Coated Gate And Post, Add	*887.39*	
		For 1" Mesh Fabric, Add	*1,484.66*	
		For 1-1/4" Mesh Fabric, Add	*955.65*	
		For 1-3/4" Mesh Fabric, Add	*593.87*	
		For 2-1/8" Mesh Fabric, Deduct	*-296.93*	
32 31 13 13-0325	EA	26' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	4,111.33	135.70
		For Gate With Single Barb Wire Arm, Add	*407.44*	
		For Gate With Double Barb Wire Arm, Add	*592.64*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-694.49*	
		For Aluminized Steel Gate And Post, Add	*1,777.91*	
		For Powder Coated Gate And Post, Add	*963.03*	
		For 1" Mesh Fabric, Add	*1,611.23*	
		For 1-1/4" Mesh Fabric, Add	*1,037.11*	
		For 1-3/4" Mesh Fabric, Add	*644.49*	
		For 2-1/8" Mesh Fabric, Deduct	*-322.25*	
32 31 13 13-0326	EA	28' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	4,438.43	150.72
		For Gate With Single Barb Wire Arm, Add	*438.44*	
		For Gate With Double Barb Wire Arm, Add	*637.73*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-747.34*	
		For Aluminized Steel Gate And Post, Add	*1,913.18*	
		For Powder Coated Gate And Post, Add	*1,036.31*	
		For 1" Mesh Fabric, Add	*1,733.82*	
		For 1-1/4" Mesh Fabric, Add	*1,116.02*	
		For 1-3/4" Mesh Fabric, Add	*693.53*	
		For 2-1/8" Mesh Fabric, Deduct	*-346.76*	
32 31 13 13-0327	EA	30' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	4,772.68	169.57
		For Gate With Single Barb Wire Arm, Add	*468.98*	
		For Gate With Double Barb Wire Arm, Add	*682.16*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-799.40*	
		For Aluminized Steel Gate And Post, Add	*2,046.47*	
		For Powder Coated Gate And Post, Add	*1,108.50*	
		For 1" Mesh Fabric, Add	*1,854.61*	
		For 1-1/4" Mesh Fabric, Add	*1,193.77*	
		For 1-3/4" Mesh Fabric, Add	*741.85*	
		For 2-1/8" Mesh Fabric, Deduct	*-370.92*	

32 31 13 13-0328 6' Fence Height *(32 31 13 13-0287)*

32 31 13 13-0329	EA	3' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	474.32	31.36
		For Gate With Single Barb Wire Arm, Add	*41.80*	
		For Gate With Double Barb Wire Arm, Add	*60.80*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-71.25*	
		For Aluminized Steel Gate And Post, Add	*182.40*	
		For Powder Coated Gate And Post, Add	*98.80*	
		For 1" Mesh Fabric, Add	*165.30*	
		For 1-1/4" Mesh Fabric, Add	*106.40*	
		For 1-3/4" Mesh Fabric, Add	*66.12*	
		For 2-1/8" Mesh Fabric, Deduct	*-33.06*	
32 31 13 13-0330	EA	4' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	600.21	31.36
		For Gate With Single Barb Wire Arm, Add	*55.65*	
		For Gate With Double Barb Wire Arm, Add	*80.94*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-94.85*	
		For Aluminized Steel Gate And Post, Add	*242.83*	
		For Powder Coated Gate And Post, Add	*131.53*	
		For 1" Mesh Fabric, Add	*220.06*	
		For 1-1/4" Mesh Fabric, Add	*141.65*	
		For 1-3/4" Mesh Fabric, Add	*88.02*	
		For 2-1/8" Mesh Fabric, Deduct	*-44.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0331	EA	5' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	702.31	33.34
		For Gate With Single Barb Wire Arm, Add	*66.24*	
		For Gate With Double Barb Wire Arm, Add	*96.35*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-112.91*	
		For Aluminized Steel Gate And Post, Add	*289.04*	
		For Powder Coated Gate And Post, Add	*156.56*	
		For 1" Mesh Fabric, Add	*261.94*	
		For 1-1/4" Mesh Fabric, Add	*168.61*	
		For 1-3/4" Mesh Fabric, Add	*104.78*	
		For 2-1/8" Mesh Fabric, Deduct	*-52.39*	
32 31 13 13-0332	EA	6' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	815.77	40.27
		For Gate With Single Barb Wire Arm, Add	*76.42*	
		For Gate With Double Barb Wire Arm, Add	*111.16*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-130.26*	
		For Aluminized Steel Gate And Post, Add	*333.47*	
		For Powder Coated Gate And Post, Add	*180.63*	
		For 1" Mesh Fabric, Add	*302.21*	
		For 1-1/4" Mesh Fabric, Add	*194.52*	
		For 1-3/4" Mesh Fabric, Add	*120.88*	
		For 2-1/8" Mesh Fabric, Deduct	*-60.44*	
32 31 13 13-0333	EA	7' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	934.58	47.31
		For Gate With Single Barb Wire Arm, Add	*87.19*	
		For Gate With Double Barb Wire Arm, Add	*126.82*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-148.62*	
		For Aluminized Steel Gate And Post, Add	*380.47*	
		For Powder Coated Gate And Post, Add	*206.09*	
		For 1" Mesh Fabric, Add	*344.80*	
		For 1-1/4" Mesh Fabric, Add	*221.94*	
		For 1-3/4" Mesh Fabric, Add	*137.92*	
		For 2-1/8" Mesh Fabric, Deduct	*-68.96*	
32 31 13 13-0334	EA	8' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	1,047.64	53.92
		For Gate With Single Barb Wire Arm, Add	*97.45*	
		For Gate With Double Barb Wire Arm, Add	*141.74*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-166.10*	
		For Aluminized Steel Gate And Post, Add	*425.23*	
		For Powder Coated Gate And Post, Add	*230.33*	
		For 1" Mesh Fabric, Add	*385.36*	
		For 1-1/4" Mesh Fabric, Add	*248.05*	
		For 1-3/4" Mesh Fabric, Add	*154.14*	
		For 2-1/8" Mesh Fabric, Deduct	*-77.07*	
32 31 13 13-0335	EA	9' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	1,161.81	60.85
		For Gate With Single Barb Wire Arm, Add	*107.71*	
		For Gate With Double Barb Wire Arm, Add	*156.66*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-183.59*	
		For Aluminized Steel Gate And Post, Add	*469.99*	
		For Powder Coated Gate And Post, Add	*254.58*	
		For 1" Mesh Fabric, Add	*425.93*	
		For 1-1/4" Mesh Fabric, Add	*274.16*	
		For 1-3/4" Mesh Fabric, Add	*170.37*	
		For 2-1/8" Mesh Fabric, Deduct	*-85.19*	
32 31 13 13-0336	EA	10' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	1,233.98	67.78
		For Gate With Single Barb Wire Arm, Add	*113.35*	
		For Gate With Double Barb Wire Arm, Add	*164.87*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-193.21*	
		For Aluminized Steel Gate And Post, Add	*494.61*	
		For Powder Coated Gate And Post, Add	*267.91*	
		For 1" Mesh Fabric, Add	*448.24*	
		For 1-1/4" Mesh Fabric, Add	*288.52*	
		For 1-3/4" Mesh Fabric, Add	*179.29*	
		For 2-1/8" Mesh Fabric, Deduct	*-89.65*	
32 31 13 13-0337	EA	10' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,719.42	67.67
		For Gate With Single Barb Wire Arm, Add	*166.79*	
		For Gate With Double Barb Wire Arm, Add	*242.60*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-284.30*	
		For Aluminized Steel Gate And Post, Add	*727.81*	
		For Powder Coated Gate And Post, Add	*394.23*	
		For 1" Mesh Fabric, Add	*659.58*	
		For 1-1/4" Mesh Fabric, Add	*424.56*	
		For 1-3/4" Mesh Fabric, Add	*263.83*	
		For 2-1/8" Mesh Fabric, Deduct	*-131.92*	
32 31 13 13-0338	EA	12' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	2,038.47	73.28
		For Gate With Single Barb Wire Arm, Add	*200.03*	
		For Gate With Double Barb Wire Arm, Add	*290.95*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-340.95*	
		For Aluminized Steel Gate And Post, Add	*872.84*	
		For Powder Coated Gate And Post, Add	*472.79*	
		For 1" Mesh Fabric, Add	*791.01*	
		For 1-1/4" Mesh Fabric, Add	*509.15*	
		For 1-3/4" Mesh Fabric, Add	*316.40*	
		For 2-1/8" Mesh Fabric, Deduct	*-158.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0339	EA	14' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	2,417.12	96.88
		For Gate With Single Barb Wire Arm, Add	*233.88*	
		For Gate With Double Barb Wire Arm, Add	*340.18*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-398.65*	
		For Aluminized Steel Gate And Post, Add	*1,020.55*	
		For Powder Coated Gate And Post, Add	*552.80*	
		For 1" Mesh Fabric, Add	*924.88*	
		For 1-1/4" Mesh Fabric, Add	*595.32*	
		For 1-3/4" Mesh Fabric, Add	*369.95*	
		For 2-1/8" Mesh Fabric, Deduct	*-184.98*	
32 31 13 13-0340	EA	16' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	2,741.64	104.39
		For Gate With Single Barb Wire Arm, Add	*267.11*	
		For Gate With Double Barb Wire Arm, Add	*388.52*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-455.30*	
		For Aluminized Steel Gate And Post, Add	*1,165.57*	
		For Powder Coated Gate And Post, Add	*631.35*	
		For 1" Mesh Fabric, Add	*1,056.30*	
		For 1-1/4" Mesh Fabric, Add	*679.92*	
		For 1-3/4" Mesh Fabric, Add	*422.52*	
		For 2-1/8" Mesh Fabric, Deduct	*-211.26*	
32 31 13 13-0341	EA	18' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	3,075.48	113.04
		For Gate With Single Barb Wire Arm, Add	*300.96*	
		For Gate With Double Barb Wire Arm, Add	*437.76*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-513.00*	
		For Aluminized Steel Gate And Post, Add	*1,313.28*	
		For Powder Coated Gate And Post, Add	*711.36*	
		For 1" Mesh Fabric, Add	*1,190.16*	
		For 1-1/4" Mesh Fabric, Add	*766.08*	
		For 1-3/4" Mesh Fabric, Add	*476.07*	
		For 2-1/8" Mesh Fabric, Deduct	*-238.03*	
32 31 13 13-0342	EA	20' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	3,414.08	123.36
		For Gate With Single Barb Wire Arm, Add	*334.81*	
		For Gate With Double Barb Wire Arm, Add	*487.00*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-570.70*	
		For Aluminized Steel Gate And Post, Add	*1,461.00*	
		For Powder Coated Gate And Post, Add	*791.38*	
		For 1" Mesh Fabric, Add	*1,324.03*	
		For 1-1/4" Mesh Fabric, Add	*852.25*	
		For 1-3/4" Mesh Fabric, Add	*529.61*	
		For 2-1/8" Mesh Fabric, Deduct	*-264.81*	
32 31 13 13-0343	EA	22' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	3,753.24	135.70
		For Gate With Single Barb Wire Arm, Add	*368.05*	
		For Gate With Double Barb Wire Arm, Add	*535.34*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-627.35*	
		For Aluminized Steel Gate And Post, Add	*1,606.02*	
		For Powder Coated Gate And Post, Add	*869.93*	
		For 1" Mesh Fabric, Add	*1,455.46*	
		For 1-1/4" Mesh Fabric, Add	*936.85*	
		For 1-3/4" Mesh Fabric, Add	*582.18*	
		For 2-1/8" Mesh Fabric, Deduct	*-291.09*	
32 31 13 13-0344	EA	24' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	4,103.45	150.72
		For Gate With Single Barb Wire Arm, Add	*401.59*	
		For Gate With Double Barb Wire Arm, Add	*584.13*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-684.53*	
		For Aluminized Steel Gate And Post, Add	*1,752.39*	
		For Powder Coated Gate And Post, Add	*949.21*	
		For 1" Mesh Fabric, Add	*1,588.11*	
		For 1-1/4" Mesh Fabric, Add	*1,022.23*	
		For 1-3/4" Mesh Fabric, Add	*635.24*	
		For 2-1/8" Mesh Fabric, Deduct	*-317.62*	
32 31 13 13-0345	EA	26' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	4,461.59	169.57
		For Gate With Single Barb Wire Arm, Add	*434.76*	
		For Gate With Double Barb Wire Arm, Add	*632.38*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-741.07*	
		For Aluminized Steel Gate And Post, Add	*1,897.15*	
		For Powder Coated Gate And Post, Add	*1,027.62*	
		For 1" Mesh Fabric, Add	*1,719.29*	
		For 1-1/4" Mesh Fabric, Add	*1,106.67*	
		For 1-3/4" Mesh Fabric, Add	*687.72*	
		For 2-1/8" Mesh Fabric, Deduct	*-343.86*	
32 31 13 13-0346	EA	28' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	4,839.84	193.75
		For Gate With Single Barb Wire Arm, Add	*468.37*	
		For Gate With Double Barb Wire Arm, Add	*681.26*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-798.35*	
		For Aluminized Steel Gate And Post, Add	*2,043.79*	
		For Powder Coated Gate And Post, Add	*1,107.05*	
		For 1" Mesh Fabric, Add	*1,852.18*	
		For 1-1/4" Mesh Fabric, Add	*1,192.21*	
		For 1-3/4" Mesh Fabric, Add	*740.87*	
		For 2-1/8" Mesh Fabric, Deduct	*-370.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0347	EA	30' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	5,242.88	226.09
		For Gate With Single Barb Wire Arm, Add	*502.03*	
		For Gate With Double Barb Wire Arm, Add	*730.23*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-855.74*	
		For Aluminized Steel Gate And Post, Add	*2,190.69*	
		For Powder Coated Gate And Post, Add	*1,186.62*	
		For 1" Mesh Fabric, Add	*1,985.31*	
		For 1-1/4" Mesh Fabric, Add	*1,277.90*	
		For 1-3/4" Mesh Fabric, Add	*794.13*	
		For 2-1/8" Mesh Fabric, Deduct	*-397.06*	
32 31 13 13-0348		**7' Fence Height** *(32 31 13 13-0287)*		
32 31 13 13-0349	EA	3' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	497.89	33.78
		For Gate With Single Barb Wire Arm, Add	*43.60*	
		For Gate With Double Barb Wire Arm, Add	*63.41*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-74.31*	
		For Aluminized Steel Gate And Post, Add	*190.23*	
		For Powder Coated Gate And Post, Add	*103.04*	
		For 1" Mesh Fabric, Add	*172.40*	
		For 1-1/4" Mesh Fabric, Add	*110.97*	
		For 1-3/4" Mesh Fabric, Add	*68.96*	
		For 2-1/8" Mesh Fabric, Deduct	*-34.48*	
32 31 13 13-0350	EA	4' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	628.44	33.78
		For Gate With Single Barb Wire Arm, Add	*57.96*	
		For Gate With Double Barb Wire Arm, Add	*84.30*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-98.79*	
		For Aluminized Steel Gate And Post, Add	*252.90*	
		For Powder Coated Gate And Post, Add	*136.99*	
		For 1" Mesh Fabric, Add	*229.19*	
		For 1-1/4" Mesh Fabric, Add	*147.52*	
		For 1-3/4" Mesh Fabric, Add	*91.68*	
		For 2-1/8" Mesh Fabric, Deduct	*-45.84*	
32 31 13 13-0351	EA	5' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	739.36	35.54
		For Gate With Single Barb Wire Arm, Add	*69.59*	
		For Gate With Double Barb Wire Arm, Add	*101.22*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-118.62*	
		For Aluminized Steel Gate And Post, Add	*303.66*	
		For Powder Coated Gate And Post, Add	*164.48*	
		For 1" Mesh Fabric, Add	*275.19*	
		For 1-1/4" Mesh Fabric, Add	*177.13*	
		For 1-3/4" Mesh Fabric, Add	*110.08*	
		For 2-1/8" Mesh Fabric, Deduct	*-55.04*	
32 31 13 13-0352	EA	6' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	906.07	43.24
		For Gate With Single Barb Wire Arm, Add	*85.39*	
		For Gate With Double Barb Wire Arm, Add	*124.20*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-145.54*	
		For Aluminized Steel Gate And Post, Add	*372.59*	
		For Powder Coated Gate And Post, Add	*201.82*	
		For 1" Mesh Fabric, Add	*337.66*	
		For 1-1/4" Mesh Fabric, Add	*217.34*	
		For 1-3/4" Mesh Fabric, Add	*135.06*	
		For 2-1/8" Mesh Fabric, Deduct	*-67.53*	
32 31 13 13-0353	EA	7' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	1,071.72	50.62
		For Gate With Single Barb Wire Arm, Add	*101.19*	
		For Gate With Double Barb Wire Arm, Add	*147.18*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-172.48*	
		For Aluminized Steel Gate And Post, Add	*441.54*	
		For Powder Coated Gate And Post, Add	*239.17*	
		For 1" Mesh Fabric, Add	*400.15*	
		For 1-1/4" Mesh Fabric, Add	*257.57*	
		For 1-3/4" Mesh Fabric, Add	*160.06*	
		For 2-1/8" Mesh Fabric, Deduct	*-80.03*	
32 31 13 13-0354	EA	8' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	1,238.44	58.21
		For Gate With Single Barb Wire Arm, Add	*116.98*	
		For Gate With Double Barb Wire Arm, Add	*170.16*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-199.40*	
		For Aluminized Steel Gate And Post, Add	*510.48*	
		For Powder Coated Gate And Post, Add	*276.51*	
		For 1" Mesh Fabric, Add	*462.62*	
		For 1-1/4" Mesh Fabric, Add	*297.78*	
		For 1-3/4" Mesh Fabric, Add	*185.05*	
		For 2-1/8" Mesh Fabric, Deduct	*-92.52*	
32 31 13 13-0355	EA	9' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	1,404.11	65.58
		For Gate With Single Barb Wire Arm, Add	*132.79*	
		For Gate With Double Barb Wire Arm, Add	*193.14*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-226.34*	
		For Aluminized Steel Gate And Post, Add	*579.43*	
		For Powder Coated Gate And Post, Add	*313.86*	
		For 1" Mesh Fabric, Add	*525.11*	
		For 1-1/4" Mesh Fabric, Add	*338.00*	
		For 1-3/4" Mesh Fabric, Add	*210.04*	
		For 2-1/8" Mesh Fabric, Deduct	*-105.02*	

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LACWD
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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0356	EA	10' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	1,544.94	73.28
		For Gate With Single Barb Wire Arm, Add	*145.74*	
		For Gate With Double Barb Wire Arm, Add	*211.98*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-248.42*	
		For Aluminized Steel Gate And Post, Add	*635.94*	
		For Powder Coated Gate And Post, Add	*344.47*	
		For 1" Mesh Fabric, Add	*576.32*	
		For 1-1/4" Mesh Fabric, Add	*370.97*	
		For 1-3/4" Mesh Fabric, Add	*230.53*	
		For 2-1/8" Mesh Fabric, Deduct	*-115.26*	
32 31 13 13-0357	EA	10' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,959.13	73.28
		For Gate With Single Barb Wire Arm, Add	*191.30*	
		For Gate With Double Barb Wire Arm, Add	*278.25*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-326.08*	
		For Aluminized Steel Gate And Post, Add	*834.75*	
		For Powder Coated Gate And Post, Add	*452.16*	
		For 1" Mesh Fabric, Add	*756.50*	
		For 1-1/4" Mesh Fabric, Add	*486.94*	
		For 1-3/4" Mesh Fabric, Add	*302.60*	
		For 2-1/8" Mesh Fabric, Deduct	*-151.30*	
32 31 13 13-0358	EA	12' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,224.68	96.88
		For Gate With Single Barb Wire Arm, Add	*212.71*	
		For Gate With Double Barb Wire Arm, Add	*309.39*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-362.57*	
		For Aluminized Steel Gate And Post, Add	*928.18*	
		For Powder Coated Gate And Post, Add	*502.76*	
		For 1" Mesh Fabric, Add	*841.16*	
		For 1-1/4" Mesh Fabric, Add	*541.44*	
		For 1-3/4" Mesh Fabric, Add	*336.47*	
		For 2-1/8" Mesh Fabric, Deduct	*-168.23*	
32 31 13 13-0359	EA	14' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,569.35	104.39
		For Gate With Single Barb Wire Arm, Add	*248.16*	
		For Gate With Double Barb Wire Arm, Add	*360.96*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-423.00*	
		For Aluminized Steel Gate And Post, Add	*1,082.88*	
		For Powder Coated Gate And Post, Add	*586.56*	
		For 1" Mesh Fabric, Add	*981.36*	
		For 1-1/4" Mesh Fabric, Add	*631.68*	
		For 1-3/4" Mesh Fabric, Add	*392.54*	
		For 2-1/8" Mesh Fabric, Deduct	*-196.27*	
32 31 13 13-0360	EA	16' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,890.84	113.04
		For Gate With Single Barb Wire Arm, Add	*280.65*	
		For Gate With Double Barb Wire Arm, Add	*408.22*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-478.38*	
		For Aluminized Steel Gate And Post, Add	*1,224.66*	
		For Powder Coated Gate And Post, Add	*663.36*	
		For 1" Mesh Fabric, Add	*1,109.85*	
		For 1-1/4" Mesh Fabric, Add	*714.38*	
		For 1-3/4" Mesh Fabric, Add	*443.94*	
		For 2-1/8" Mesh Fabric, Deduct	*-221.97*	
32 31 13 13-0361	EA	18' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	3,246.22	123.36
		For Gate With Single Barb Wire Arm, Add	*316.35*	
		For Gate With Double Barb Wire Arm, Add	*460.14*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-539.23*	
		For Aluminized Steel Gate And Post, Add	*1,380.43*	
		For Powder Coated Gate And Post, Add	*747.73*	
		For 1" Mesh Fabric, Add	*1,251.01*	
		For 1-1/4" Mesh Fabric, Add	*805.25*	
		For 1-3/4" Mesh Fabric, Add	*500.40*	
		For 2-1/8" Mesh Fabric, Deduct	*-250.20*	
32 31 13 13-0362	EA	20' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	3,602.17	135.70
		For Gate With Single Barb Wire Arm, Add	*351.43*	
		For Gate With Double Barb Wire Arm, Add	*511.17*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-599.03*	
		For Aluminized Steel Gate And Post, Add	*1,533.51*	
		For Powder Coated Gate And Post, Add	*830.65*	
		For 1" Mesh Fabric, Add	*1,389.74*	
		For 1-1/4" Mesh Fabric, Add	*894.55*	
		For 1-3/4" Mesh Fabric, Add	*555.90*	
		For 2-1/8" Mesh Fabric, Deduct	*-277.95*	
32 31 13 13-0363	EA	22' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	3,966.37	150.72
		For Gate With Single Barb Wire Arm, Add	*386.51*	
		For Gate With Double Barb Wire Arm, Add	*562.20*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-658.83*	
		For Aluminized Steel Gate And Post, Add	*1,686.60*	
		For Powder Coated Gate And Post, Add	*913.57*	
		For 1" Mesh Fabric, Add	*1,528.48*	
		For 1-1/4" Mesh Fabric, Add	*983.85*	
		For 1-3/4" Mesh Fabric, Add	*611.39*	
		For 2-1/8" Mesh Fabric, Deduct	*-305.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0364	EA	24' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	4,341.86	169.57
		For Gate With Single Barb Wire Arm, Add	*421.59*	
		For Gate With Double Barb Wire Arm, Add	*613.23*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-718.62*	
		For Aluminized Steel Gate And Post, Add	*1,839.68*	
		For Powder Coated Gate And Post, Add	*996.49*	
		For 1" Mesh Fabric, Add	*1,667.21*	
		For 1-1/4" Mesh Fabric, Add	*1,073.14*	
		For 1-3/4" Mesh Fabric, Add	*666.88*	
		For 2-1/8" Mesh Fabric, Deduct	*-333.44*	
32 31 13 13-0365	EA	26' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	4,733.53	193.75
		For Gate With Single Barb Wire Arm, Add	*456.67*	
		For Gate With Double Barb Wire Arm, Add	*664.25*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-778.42*	
		For Aluminized Steel Gate And Post, Add	*1,992.76*	
		For Powder Coated Gate And Post, Add	*1,079.41*	
		For 1" Mesh Fabric, Add	*1,805.94*	
		For 1-1/4" Mesh Fabric, Add	*1,162.44*	
		For 1-3/4" Mesh Fabric, Add	*722.37*	
		For 2-1/8" Mesh Fabric, Deduct	*-361.19*	
32 31 13 13-0366	EA	28' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	5,149.44	226.09
		For Gate With Single Barb Wire Arm, Add	*491.76*	
		For Gate With Double Barb Wire Arm, Add	*715.28*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-838.22*	
		For Aluminized Steel Gate And Post, Add	*2,145.84*	
		For Powder Coated Gate And Post, Add	*1,162.33*	
		For 1" Mesh Fabric, Add	*1,944.67*	
		For 1-1/4" Mesh Fabric, Add	*1,251.74*	
		For 1-3/4" Mesh Fabric, Add	*777.87*	
		For 2-1/8" Mesh Fabric, Deduct	*-388.93*	
32 31 13 13-0367	EA	30' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	5,604.15	271.28
		For Gate With Single Barb Wire Arm, Add	*526.84*	
		For Gate With Double Barb Wire Arm, Add	*766.31*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-898.02*	
		For Aluminized Steel Gate And Post, Add	*2,298.92*	
		For Powder Coated Gate And Post, Add	*1,245.25*	
		For 1" Mesh Fabric, Add	*2,083.40*	
		For 1-1/4" Mesh Fabric, Add	*1,341.04*	
		For 1-3/4" Mesh Fabric, Add	*833.36*	
		For 2-1/8" Mesh Fabric, Deduct	*-416.68*	
32 31 13 13-0368		**8' Fence Height** *(32 31 13 13-0287)*		
32 31 13 13-0369	EA	3' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	583.35	36.64
		For Gate With Single Barb Wire Arm, Add	*52.07*	
		For Gate With Double Barb Wire Arm, Add	*75.73*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-88.75*	
		For Aluminized Steel Gate And Post, Add	*227.19*	
		For Powder Coated Gate And Post, Add	*123.06*	
		For 1" Mesh Fabric, Add	*205.89*	
		For 1-1/4" Mesh Fabric, Add	*132.53*	
		For 1-3/4" Mesh Fabric, Add	*82.36*	
		For 2-1/8" Mesh Fabric, Deduct	*-41.18*	
32 31 13 13-0370	EA	4' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	741.13	36.64
		For Gate With Single Barb Wire Arm, Add	*69.42*	
		For Gate With Double Barb Wire Arm, Add	*100.98*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-118.33*	
		For Aluminized Steel Gate And Post, Add	*302.93*	
		For Powder Coated Gate And Post, Add	*164.09*	
		For 1" Mesh Fabric, Add	*274.53*	
		For 1-1/4" Mesh Fabric, Add	*176.71*	
		For 1-3/4" Mesh Fabric, Add	*109.81*	
		For 2-1/8" Mesh Fabric, Deduct	*-54.91*	
32 31 13 13-0371	EA	5' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	864.93	40.82
		For Gate With Single Barb Wire Arm, Add	*81.65*	
		For Gate With Double Barb Wire Arm, Add	*118.76*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-139.17*	
		For Aluminized Steel Gate And Post, Add	*356.28*	
		For Powder Coated Gate And Post, Add	*192.98*	
		For 1" Mesh Fabric, Add	*322.87*	
		For 1-1/4" Mesh Fabric, Add	*207.83*	
		For 1-3/4" Mesh Fabric, Add	*129.15*	
		For 2-1/8" Mesh Fabric, Deduct	*-64.57*	
32 31 13 13-0372	EA	6' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	992.04	46.22
		For Gate With Single Barb Wire Arm, Add	*93.87*	
		For Gate With Double Barb Wire Arm, Add	*136.54*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-160.01*	
		For Aluminized Steel Gate And Post, Add	*409.63*	
		For Powder Coated Gate And Post, Add	*221.88*	
		For 1" Mesh Fabric, Add	*371.23*	
		For 1-1/4" Mesh Fabric, Add	*238.95*	
		For 1-3/4" Mesh Fabric, Add	*148.49*	
		For 2-1/8" Mesh Fabric, Deduct	*-74.25*	

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LACWD
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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0373	EA	7' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	1,131.80	55.67
		For Gate With Single Barb Wire Arm, Add	*106.10*	
		For Gate With Double Barb Wire Arm, Add	*154.33*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-180.85*	
		For Aluminized Steel Gate And Post, Add	*462.98*	
		For Powder Coated Gate And Post, Add	*250.78*	
		For 1" Mesh Fabric, Add	*419.58*	
		For 1-1/4" Mesh Fabric, Add	*270.07*	
		For 1-3/4" Mesh Fabric, Add	*167.83*	
		For 2-1/8" Mesh Fabric, Deduct	*-83.92*	
32 31 13 13-0374	EA	8' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	1,270.47	64.81
		For Gate With Single Barb Wire Arm, Add	*118.33*	
		For Gate With Double Barb Wire Arm, Add	*172.11*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-201.70*	
		For Aluminized Steel Gate And Post, Add	*516.34*	
		For Powder Coated Gate And Post, Add	*279.68*	
		For 1" Mesh Fabric, Add	*467.93*	
		For 1-1/4" Mesh Fabric, Add	*301.20*	
		For 1-3/4" Mesh Fabric, Add	*187.17*	
		For 2-1/8" Mesh Fabric, Deduct	*-93.59*	
32 31 13 13-0375	EA	9' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	1,410.23	74.39
		For Gate With Single Barb Wire Arm, Add	*130.55*	
		For Gate With Double Barb Wire Arm, Add	*189.90*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-222.54*	
		For Aluminized Steel Gate And Post, Add	*569.69*	
		For Powder Coated Gate And Post, Add	*308.58*	
		For 1" Mesh Fabric, Add	*516.28*	
		For 1-1/4" Mesh Fabric, Add	*332.32*	
		For 1-3/4" Mesh Fabric, Add	*206.51*	
		For 2-1/8" Mesh Fabric, Deduct	*-103.26*	
32 31 13 13-0376	EA	10' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	1,549.99	83.95
		For Gate With Single Barb Wire Arm, Add	*142.78*	
		For Gate With Double Barb Wire Arm, Add	*207.68*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-243.38*	
		For Aluminized Steel Gate And Post, Add	*623.05*	
		For Powder Coated Gate And Post, Add	*337.49*	
		For 1" Mesh Fabric, Add	*564.64*	
		For 1-1/4" Mesh Fabric, Add	*363.45*	
		For 1-3/4" Mesh Fabric, Add	*225.86*	
		For 2-1/8" Mesh Fabric, Deduct	*-112.93*	
32 31 13 13-0377	EA	10' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	2,238.03	96.88
		For Gate With Single Barb Wire Arm, Add	*214.18*	
		For Gate With Double Barb Wire Arm, Add	*311.53*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-365.07*	
		For Aluminized Steel Gate And Post, Add	*934.59*	
		For Powder Coated Gate And Post, Add	*506.24*	
		For 1" Mesh Fabric, Add	*846.97*	
		For 1-1/4" Mesh Fabric, Add	*545.18*	
		For 1-3/4" Mesh Fabric, Add	*338.79*	
		For 2-1/8" Mesh Fabric, Deduct	*-169.39*	
32 31 13 13-0378	EA	12' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	2,635.33	104.39
		For Gate With Single Barb Wire Arm, Add	*255.42*	
		For Gate With Double Barb Wire Arm, Add	*371.52*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-435.37*	
		For Aluminized Steel Gate And Post, Add	*1,114.55*	
		For Powder Coated Gate And Post, Add	*603.71*	
		For 1" Mesh Fabric, Add	*1,010.06*	
		For 1-1/4" Mesh Fabric, Add	*650.15*	
		For 1-3/4" Mesh Fabric, Add	*404.02*	
		For 2-1/8" Mesh Fabric, Deduct	*-202.01*	
32 31 13 13-0379	EA	14' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	3,041.91	113.04
		For Gate With Single Barb Wire Arm, Add	*297.27*	
		For Gate With Double Barb Wire Arm, Add	*432.39*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-506.71*	
		For Aluminized Steel Gate And Post, Add	*1,297.17*	
		For Powder Coated Gate And Post, Add	*702.63*	
		For 1" Mesh Fabric, Add	*1,175.56*	
		For 1-1/4" Mesh Fabric, Add	*756.68*	
		For 1-3/4" Mesh Fabric, Add	*470.22*	
		For 2-1/8" Mesh Fabric, Deduct	*-235.11*	
32 31 13 13-0380	EA	16' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	3,464.43	123.36
		For Gate With Single Barb Wire Arm, Add	*340.35*	
		For Gate With Double Barb Wire Arm, Add	*495.06*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-580.14*	
		For Aluminized Steel Gate And Post, Add	*1,485.17*	
		For Powder Coated Gate And Post, Add	*804.47*	
		For 1" Mesh Fabric, Add	*1,345.93*	
		For 1-1/4" Mesh Fabric, Add	*866.35*	
		For 1-3/4" Mesh Fabric, Add	*538.37*	
		For 2-1/8" Mesh Fabric, Deduct	*-269.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0381	EA	18 Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	3,893.12	135.70
		For Gate With Single Barb Wire Arm, Add	*383.43*	
		For Gate With Double Barb Wire Arm, Add	*557.72*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-653.58*	
		For Aluminized Steel Gate And Post, Add	*1,673.16*	
		For Powder Coated Gate And Post, Add	*906.30*	
		For 1" Mesh Fabric, Add	*1,516.31*	
		For 1-1/4" Mesh Fabric, Add	*976.01*	
		For 1-3/4" Mesh Fabric, Add	*606.52*	
		For 2-1/8" Mesh Fabric, Deduct	*-303.26*	
32 31 13 13-0382	EA	20' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	4,324.45	150.72
		For Gate With Single Barb Wire Arm, Add	*425.90*	
		For Gate With Double Barb Wire Arm, Add	*619.49*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-725.97*	
		For Aluminized Steel Gate And Post, Add	*1,858.47*	
		For Powder Coated Gate And Post, Add	*1,006.67*	
		For 1" Mesh Fabric, Add	*1,684.24*	
		For 1-1/4" Mesh Fabric, Add	*1,084.11*	
		For 1-3/4" Mesh Fabric, Add	*673.70*	
		For 2-1/8" Mesh Fabric, Deduct	*-336.85*	
32 31 13 13-0383	EA	22' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	4,761.49	169.57
		For Gate With Single Barb Wire Arm, Add	*467.75*	
		For Gate With Double Barb Wire Arm, Add	*680.37*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-797.30*	
		For Aluminized Steel Gate And Post, Add	*2,041.10*	
		For Powder Coated Gate And Post, Add	*1,105.60*	
		For 1" Mesh Fabric, Add	*1,849.75*	
		For 1-1/4" Mesh Fabric, Add	*1,190.64*	
		For 1-3/4" Mesh Fabric, Add	*739.90*	
		For 2-1/8" Mesh Fabric, Deduct	*-369.95*	
32 31 13 13-0384	EA	24' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	5,225.90	193.75
		For Gate With Single Barb Wire Arm, Add	*510.83*	
		For Gate With Double Barb Wire Arm, Add	*743.03*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-870.74*	
		For Aluminized Steel Gate And Post, Add	*2,229.10*	
		For Powder Coated Gate And Post, Add	*1,207.43*	
		For 1" Mesh Fabric, Add	*2,020.12*	
		For 1-1/4" Mesh Fabric, Add	*1,300.31*	
		For 1-3/4" Mesh Fabric, Add	*808.05*	
		For 2-1/8" Mesh Fabric, Deduct	*-404.02*	
32 31 13 13-0385	EA	26' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	5,714.55	226.09
		For Gate With Single Barb Wire Arm, Add	*553.92*	
		For Gate With Double Barb Wire Arm, Add	*805.70*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-944.18*	
		For Aluminized Steel Gate And Post, Add	*2,417.09*	
		For Powder Coated Gate And Post, Add	*1,309.26*	
		For 1" Mesh Fabric, Add	*2,190.49*	
		For 1-1/4" Mesh Fabric, Add	*1,409.97*	
		For 1-3/4" Mesh Fabric, Add	*876.20*	
		For 2-1/8" Mesh Fabric, Deduct	*-438.10*	
32 31 13 13-0386	EA	28' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	6,236.40	271.28
		For Gate With Single Barb Wire Arm, Add	*596.38*	
		For Gate With Double Barb Wire Arm, Add	*867.47*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,016.56*	
		For Aluminized Steel Gate And Post, Add	*2,602.40*	
		For Powder Coated Gate And Post, Add	*1,409.63*	
		For 1" Mesh Fabric, Add	*2,358.43*	
		For 1-1/4" Mesh Fabric, Add	*1,518.07*	
		For 1-3/4" Mesh Fabric, Add	*943.37*	
		For 2-1/8" Mesh Fabric, Deduct	*-471.69*	
32 31 13 13-0387	EA	30' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	6,826.14	339.14
		For Gate With Single Barb Wire Arm, Add	*638.85*	
		For Gate With Double Barb Wire Arm, Add	*929.24*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,088.95*	
		For Aluminized Steel Gate And Post, Add	*2,787.71*	
		For Powder Coated Gate And Post, Add	*1,510.01*	
		For 1" Mesh Fabric, Add	*2,526.36*	
		For 1-1/4" Mesh Fabric, Add	*1,626.16*	
		For 1-3/4" Mesh Fabric, Add	*1,010.55*	
		For 2-1/8" Mesh Fabric, Deduct	*-505.27*	

32 31 13 13-0388 10' Fence Height *(32 31 13 13-0287)*

32 31 13 13-0389	EA	3' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	734.33	40.71
		For Gate With Single Barb Wire Arm, Add	*67.33*	
		For Gate With Double Barb Wire Arm, Add	*97.93*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-114.76*	
		For Aluminized Steel Gate And Post, Add	*293.79*	
		For Powder Coated Gate And Post, Add	*159.14*	
		For 1" Mesh Fabric, Add	*266.25*	
		For 1-1/4" Mesh Fabric, Add	*171.38*	
		For 1-3/4" Mesh Fabric, Add	*106.50*	
		For 2-1/8" Mesh Fabric, Deduct	*-53.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0390	EA	4' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	938.35	40.71
		For Gate With Single Barb Wire Arm, Add	*89.77*	
		For Gate With Double Barb Wire Arm, Add	*130.57*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-153.02*	
		For Aluminized Steel Gate And Post, Add	*391.72*	
		For Powder Coated Gate And Post, Add	*212.18*	
		For 1" Mesh Fabric, Add	*355.00*	
		For 1-1/4" Mesh Fabric, Add	*228.51*	
		For 1-3/4" Mesh Fabric, Add	*142.00*	
		For 2-1/8" Mesh Fabric, Deduct	*-71.00*	
32 31 13 13-0391	EA	5' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,087.48	42.47
		For Gate With Single Barb Wire Arm, Add	*105.58*	
		For Gate With Double Barb Wire Arm, Add	*153.57*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-179.97*	
		For Aluminized Steel Gate And Post, Add	*460.72*	
		For Powder Coated Gate And Post, Add	*249.56*	
		For 1" Mesh Fabric, Add	*417.53*	
		For 1-1/4" Mesh Fabric, Add	*268.76*	
		For 1-3/4" Mesh Fabric, Add	*167.01*	
		For 2-1/8" Mesh Fabric, Deduct	*-83.51*	
32 31 13 13-0392	EA	6' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,262.03	52.82
		For Gate With Single Barb Wire Arm, Add	*121.39*	
		For Gate With Double Barb Wire Arm, Add	*176.57*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-206.92*	
		For Aluminized Steel Gate And Post, Add	*529.72*	
		For Powder Coated Gate And Post, Add	*286.93*	
		For 1" Mesh Fabric, Add	*480.06*	
		For 1-1/4" Mesh Fabric, Add	*309.01*	
		For 1-3/4" Mesh Fabric, Add	*192.02*	
		For 2-1/8" Mesh Fabric, Deduct	*-96.01*	
32 31 13 13-0393	EA	7' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,435.92	62.61
		For Gate With Single Barb Wire Arm, Add	*137.20*	
		For Gate With Double Barb Wire Arm, Add	*199.57*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-233.87*	
		For Aluminized Steel Gate And Post, Add	*598.70*	
		For Powder Coated Gate And Post, Add	*324.30*	
		For 1" Mesh Fabric, Add	*542.57*	
		For 1-1/4" Mesh Fabric, Add	*349.24*	
		For 1-3/4" Mesh Fabric, Add	*217.03*	
		For 2-1/8" Mesh Fabric, Deduct	*-108.51*	
32 31 13 13-0394	EA	8' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,610.00	72.95
		For Gate With Single Barb Wire Arm, Add	*153.01*	
		For Gate With Double Barb Wire Arm, Add	*222.57*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-260.82*	
		For Aluminized Steel Gate And Post, Add	*667.70*	
		For Powder Coated Gate And Post, Add	*361.67*	
		For 1" Mesh Fabric, Add	*605.10*	
		For 1-1/4" Mesh Fabric, Add	*389.49*	
		For 1-3/4" Mesh Fabric, Add	*242.04*	
		For 2-1/8" Mesh Fabric, Deduct	*-121.02*	
32 31 13 13-0395	EA	9' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,783.45	82.86
		For Gate With Single Barb Wire Arm, Add	*168.83*	
		For Gate With Double Barb Wire Arm, Add	*245.57*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-287.77*	
		For Aluminized Steel Gate And Post, Add	*736.70*	
		For Powder Coated Gate And Post, Add	*399.05*	
		For 1" Mesh Fabric, Add	*667.63*	
		For 1-1/4" Mesh Fabric, Add	*429.74*	
		For 1-3/4" Mesh Fabric, Add	*267.05*	
		For 2-1/8" Mesh Fabric, Deduct	*-133.53*	
32 31 13 13-0396	EA	10' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,958.03	93.09
		For Gate With Single Barb Wire Arm, Add	*184.64*	
		For Gate With Double Barb Wire Arm, Add	*268.57*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-314.73*	
		For Aluminized Steel Gate And Post, Add	*805.70*	
		For Powder Coated Gate And Post, Add	*436.42*	
		For 1" Mesh Fabric, Add	*730.16*	
		For 1-1/4" Mesh Fabric, Add	*469.99*	
		For 1-3/4" Mesh Fabric, Add	*292.07*	
		For 2-1/8" Mesh Fabric, Deduct	*-146.03*	
32 31 13 13-0397	EA	10' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	2,841.09	107.70
		For Gate With Single Barb Wire Arm, Add	*276.96*	
		For Gate With Double Barb Wire Arm, Add	*402.84*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-472.08*	
		For Aluminized Steel Gate And Post, Add	*1,208.53*	
		For Powder Coated Gate And Post, Add	*654.62*	
		For 1" Mesh Fabric, Add	*1,095.23*	
		For 1-1/4" Mesh Fabric, Add	*704.98*	
		For 1-3/4" Mesh Fabric, Add	*438.09*	
		For 2-1/8" Mesh Fabric, Deduct	*-219.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0398	EA	12' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	3,089.71	115.85
		For Gate With Single Barb Wire Arm, Add	*301.58*	
		For Gate With Double Barb Wire Arm, Add	*438.66*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-514.06*	
		For Aluminized Steel Gate And Post, Add	*1,315.99*	
		For Powder Coated Gate And Post, Add	*712.83*	
		For 1" Mesh Fabric, Add	*1,192.62*	
		For 1-1/4" Mesh Fabric, Add	*767.66*	
		For 1-3/4" Mesh Fabric, Add	*477.05*	
		For 2-1/8" Mesh Fabric, Deduct	*-238.52*	
32 31 13 13-0399	EA	14' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	3,521.65	125.65
		For Gate With Single Barb Wire Arm, Add	*345.89*	
		For Gate With Double Barb Wire Arm, Add	*503.11*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-589.59*	
		For Aluminized Steel Gate And Post, Add	*1,509.34*	
		For Powder Coated Gate And Post, Add	*817.56*	
		For 1" Mesh Fabric, Add	*1,367.84*	
		For 1-1/4" Mesh Fabric, Add	*880.45*	
		For 1-3/4" Mesh Fabric, Add	*547.14*	
		For 2-1/8" Mesh Fabric, Deduct	*-273.57*	
32 31 13 13-0400	EA	16' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	4,003.38	136.98
		For Gate With Single Barb Wire Arm, Add	*395.13*	
		For Gate With Double Barb Wire Arm, Add	*574.73*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-673.51*	
		For Aluminized Steel Gate And Post, Add	*1,724.19*	
		For Powder Coated Gate And Post, Add	*933.94*	
		For 1" Mesh Fabric, Add	*1,562.55*	
		For 1-1/4" Mesh Fabric, Add	*1,005.78*	
		For 1-3/4" Mesh Fabric, Add	*625.02*	
		For 2-1/8" Mesh Fabric, Deduct	*-312.51*	
32 31 13 13-0401	EA	18' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	4,492.31	150.72
		For Gate With Single Barb Wire Arm, Add	*444.36*	
		For Gate With Double Barb Wire Arm, Add	*646.35*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-757.44*	
		For Aluminized Steel Gate And Post, Add	*1,939.05*	
		For Powder Coated Gate And Post, Add	*1,050.32*	
		For 1" Mesh Fabric, Add	*1,757.26*	
		For 1-1/4" Mesh Fabric, Add	*1,131.11*	
		For 1-3/4" Mesh Fabric, Add	*702.90*	
		For 2-1/8" Mesh Fabric, Deduct	*-351.45*	
32 31 13 13-0402	EA	20' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	4,992.75	167.41
		For Gate With Single Barb Wire Arm, Add	*493.91*	
		For Gate With Double Barb Wire Arm, Add	*718.41*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-841.89*	
		For Aluminized Steel Gate And Post, Add	*2,155.24*	
		For Powder Coated Gate And Post, Add	*1,167.42*	
		For 1" Mesh Fabric, Add	*1,953.18*	
		For 1-1/4" Mesh Fabric, Add	*1,257.22*	
		For 1-3/4" Mesh Fabric, Add	*781.27*	
		For 2-1/8" Mesh Fabric, Deduct	*-390.64*	
32 31 13 13-0403	EA	22' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	5,506.27	188.41
		For Gate With Single Barb Wire Arm, Add	*543.45*	
		For Gate With Double Barb Wire Arm, Add	*790.48*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-926.34*	
		For Aluminized Steel Gate And Post, Add	*2,371.44*	
		For Powder Coated Gate And Post, Add	*1,284.53*	
		For 1" Mesh Fabric, Add	*2,149.11*	
		For 1-1/4" Mesh Fabric, Add	*1,383.34*	
		For 1-3/4" Mesh Fabric, Add	*859.65*	
		For 2-1/8" Mesh Fabric, Deduct	*-429.82*	
32 31 13 13-0404	EA	24' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	6,034.30	215.14
		For Gate With Single Barb Wire Arm, Add	*592.69*	
		For Gate With Double Barb Wire Arm, Add	*862.10*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,010.27*	
		For Aluminized Steel Gate And Post, Add	*2,586.29*	
		For Powder Coated Gate And Post, Add	*1,400.91*	
		For 1" Mesh Fabric, Add	*2,343.82*	
		For 1-1/4" Mesh Fabric, Add	*1,508.67*	
		For 1-3/4" Mesh Fabric, Add	*937.53*	
		For 2-1/8" Mesh Fabric, Deduct	*-468.76*	
32 31 13 13-0405	EA	26' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	6,590.09	251.17
		For Gate With Single Barb Wire Arm, Add	*641.93*	
		For Gate With Double Barb Wire Arm, Add	*933.71*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,094.20*	
		For Aluminized Steel Gate And Post, Add	*2,801.14*	
		For Powder Coated Gate And Post, Add	*1,517.28*	
		For 1" Mesh Fabric, Add	*2,538.53*	
		For 1-1/4" Mesh Fabric, Add	*1,634.00*	
		For 1-3/4" Mesh Fabric, Add	*1,015.41*	
		For 2-1/8" Mesh Fabric, Deduct	*-507.71*	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0406	EA	28' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	7,187.77	301.20
		For Gate With Single Barb Wire Arm, Add	*691.17*	
		For Gate With Double Barb Wire Arm, Add	*1,005.33*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,178.12*	
		For Aluminized Steel Gate And Post, Add	*3,015.99*	
		For Powder Coated Gate And Post, Add	*1,633.66*	
		For 1" Mesh Fabric, Add	*2,733.24*	
		For 1-1/4" Mesh Fabric, Add	*1,759.33*	
		For 1-3/4" Mesh Fabric, Add	*1,093.30*	
		For 2-1/8" Mesh Fabric, Deduct	*-546.65*	
32 31 13 13-0407	EA	30' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	7,868.08	376.81
		For Gate With Single Barb Wire Arm, Add	*741.02*	
		For Gate With Double Barb Wire Arm, Add	*1,077.84*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,263.10*	
		For Aluminized Steel Gate And Post, Add	*3,233.53*	
		For Powder Coated Gate And Post, Add	*1,751.50*	
		For 1" Mesh Fabric, Add	*2,930.39*	
		For 1-1/4" Mesh Fabric, Add	*1,886.23*	
		For 1-3/4" Mesh Fabric, Add	*1,172.15*	
		For 2-1/8" Mesh Fabric, Deduct	*-586.08*	

32 31 13 13-0408 12' Fence Height *(32 31 13 13-0287)*

32 31 13 13-0409	EA	3' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	919.29	45.22
		For Gate With Single Barb Wire Arm, Add	*86.18*	
		For Gate With Double Barb Wire Arm, Add	*125.35*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-146.90*	
		For Aluminized Steel Gate And Post, Add	*376.06*	
		For Powder Coated Gate And Post, Add	*203.70*	
		For 1" Mesh Fabric, Add	*340.80*	
		For 1-1/4" Mesh Fabric, Add	*219.37*	
		For 1-3/4" Mesh Fabric, Add	*136.32*	
		For 2-1/8" Mesh Fabric, Deduct	*-68.16*	
32 31 13 13-0410	EA	4' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	1,180.43	45.22
		For Gate With Single Barb Wire Arm, Add	*114.90*	
		For Gate With Double Barb Wire Arm, Add	*167.13*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-195.86*	
		For Aluminized Steel Gate And Post, Add	*501.40*	
		For Powder Coated Gate And Post, Add	*271.59*	
		For 1" Mesh Fabric, Add	*454.40*	
		For 1-1/4" Mesh Fabric, Add	*292.49*	
		For 1-3/4" Mesh Fabric, Add	*181.76*	
		For 2-1/8" Mesh Fabric, Deduct	*-90.88*	
32 31 13 13-0411	EA	5' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	1,369.44	46.87
		For Gate With Single Barb Wire Arm, Add	*135.15*	
		For Gate With Double Barb Wire Arm, Add	*196.58*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-230.36*	
		For Aluminized Steel Gate And Post, Add	*589.73*	
		For Powder Coated Gate And Post, Add	*319.44*	
		For 1" Mesh Fabric, Add	*534.44*	
		For 1-1/4" Mesh Fabric, Add	*344.01*	
		For 1-3/4" Mesh Fabric, Add	*213.78*	
		For 2-1/8" Mesh Fabric, Deduct	*-106.89*	
32 31 13 13-0412	EA	6' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	1,587.53	58.21
		For Gate With Single Barb Wire Arm, Add	*155.38*	
		For Gate With Double Barb Wire Arm, Add	*226.01*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-264.86*	
		For Aluminized Steel Gate And Post, Add	*678.04*	
		For Powder Coated Gate And Post, Add	*367.27*	
		For 1" Mesh Fabric, Add	*614.47*	
		For 1-1/4" Mesh Fabric, Add	*395.52*	
		For 1-3/4" Mesh Fabric, Add	*245.79*	
		For 2-1/8" Mesh Fabric, Deduct	*-122.89*	
32 31 13 13-0413	EA	7' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	680.33	69.65
		For Gate With Single Barb Wire Arm, Add	*51.84*	
		For Gate With Double Barb Wire Arm, Add	*75.40*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-88.36*	
		For Aluminized Steel Gate And Post, Add	*226.20*	
		For Powder Coated Gate And Post, Add	*122.53*	
		For 1" Mesh Fabric, Add	*205.00*	
		For 1-1/4" Mesh Fabric, Add	*131.95*	
		For 1-3/4" Mesh Fabric, Add	*82.00*	
		For 2-1/8" Mesh Fabric, Deduct	*-41.00*	
32 31 13 13-0414	EA	8' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	767.65	80.66
		For Gate With Single Barb Wire Arm, Add	*57.81*	
		For Gate With Double Barb Wire Arm, Add	*84.09*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-98.54*	
		For Aluminized Steel Gate And Post, Add	*252.27*	
		For Powder Coated Gate And Post, Add	*136.65*	
		For 1" Mesh Fabric, Add	*228.62*	
		For 1-1/4" Mesh Fabric, Add	*147.16*	
		For 1-3/4" Mesh Fabric, Add	*91.45*	
		For 2-1/8" Mesh Fabric, Deduct	*-45.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0415	EA	9' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	856.07	91.99
		For Gate With Single Barb Wire Arm, Add	*63.79*	
		For Gate With Double Barb Wire Arm, Add	*92.78*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-108.73*	
		For Aluminized Steel Gate And Post, Add	*278.34*	
		For Powder Coated Gate And Post, Add	*150.77*	
		For 1" Mesh Fabric, Add	*252.25*	
		For 1-1/4" Mesh Fabric, Add	*162.37*	
		For 1-3/4" Mesh Fabric, Add	*100.90*	
		For 2-1/8" Mesh Fabric, Deduct	*-50.45*	
32 31 13 13-0416	EA	10' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	944.50	103.32
		For Gate With Single Barb Wire Arm, Add	*69.76*	
		For Gate With Double Barb Wire Arm, Add	*101.47*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-118.91*	
		For Aluminized Steel Gate And Post, Add	*304.41*	
		For Powder Coated Gate And Post, Add	*164.89*	
		For 1" Mesh Fabric, Add	*275.87*	
		For 1-1/4" Mesh Fabric, Add	*177.57*	
		For 1-3/4" Mesh Fabric, Add	*110.35*	
		For 2-1/8" Mesh Fabric, Deduct	*-55.17*	
32 31 13 13-0417	EA	10' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,242.81	119.66
		For Gate With Single Barb Wire Arm, Add	*97.19*	
		For Gate With Double Barb Wire Arm, Add	*141.37*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-165.67*	
		For Aluminized Steel Gate And Post, Add	*424.12*	
		For Powder Coated Gate And Post, Add	*229.73*	
		For 1" Mesh Fabric, Add	*384.36*	
		For 1-1/4" Mesh Fabric, Add	*247.40*	
		For 1-3/4" Mesh Fabric, Add	*153.74*	
		For 2-1/8" Mesh Fabric, Deduct	*-76.87*	
32 31 13 13-0418	EA	12' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,357.76	128.83
		For Gate With Single Barb Wire Arm, Add	*106.82*	
		For Gate With Double Barb Wire Arm, Add	*155.38*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-182.09*	
		For Aluminized Steel Gate And Post, Add	*466.14*	
		For Powder Coated Gate And Post, Add	*252.49*	
		For 1" Mesh Fabric, Add	*422.44*	
		For 1-1/4" Mesh Fabric, Add	*271.91*	
		For 1-3/4" Mesh Fabric, Add	*168.97*	
		For 2-1/8" Mesh Fabric, Deduct	*-84.49*	
32 31 13 13-0419	EA	14' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,532.25	139.53
		For Gate With Single Barb Wire Arm, Add	*122.45*	
		For Gate With Double Barb Wire Arm, Add	*178.10*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-208.72*	
		For Aluminized Steel Gate And Post, Add	*534.31*	
		For Powder Coated Gate And Post, Add	*289.42*	
		For 1" Mesh Fabric, Add	*484.22*	
		For 1-1/4" Mesh Fabric, Add	*311.68*	
		For 1-3/4" Mesh Fabric, Add	*193.69*	
		For 2-1/8" Mesh Fabric, Deduct	*-96.84*	
32 31 13 13-0420	EA	16' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,728.80	152.12
		For Gate With Single Barb Wire Arm, Add	*139.89*	
		For Gate With Double Barb Wire Arm, Add	*203.47*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-238.44*	
		For Aluminized Steel Gate And Post, Add	*610.42*	
		For Powder Coated Gate And Post, Add	*330.64*	
		For 1" Mesh Fabric, Add	*553.19*	
		For 1-1/4" Mesh Fabric, Add	*356.08*	
		For 1-3/4" Mesh Fabric, Add	*221.28*	
		For 2-1/8" Mesh Fabric, Deduct	*-110.64*	
32 31 13 13-0421	EA	18' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	5,348.04	167.53
		For Gate With Single Barb Wire Arm, Add	*532.99*	
		For Gate With Double Barb Wire Arm, Add	*775.26*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-908.51*	
		For Aluminized Steel Gate And Post, Add	*2,325.78*	
		For Powder Coated Gate And Post, Add	*1,259.80*	
		For 1" Mesh Fabric, Add	*2,107.74*	
		For 1-1/4" Mesh Fabric, Add	*1,356.70*	
		For 1-3/4" Mesh Fabric, Add	*843.09*	
		For 2-1/8" Mesh Fabric, Deduct	*-421.55*	
32 31 13 13-0422	EA	20' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	5,946.44	185.99
		For Gate With Single Barb Wire Arm, Add	*592.69*	
		For Gate With Double Barb Wire Arm, Add	*862.10*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,010.27*	
		For Aluminized Steel Gate And Post, Add	*2,586.29*	
		For Powder Coated Gate And Post, Add	*1,400.91*	
		For 1" Mesh Fabric, Add	*2,343.82*	
		For 1-1/4" Mesh Fabric, Add	*1,508.67*	
		For 1-3/4" Mesh Fabric, Add	*937.53*	
		For 2-1/8" Mesh Fabric, Deduct	*-468.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0423	EA	22' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	6,553.87	209.28
		For Gate With Single Barb Wire Arm, Add	*651.78*	
		For Gate With Double Barb Wire Arm, Add	*948.04*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,110.98*	
		For Aluminized Steel Gate And Post, Add	*2,844.11*	
		For Powder Coated Gate And Post, Add	*1,540.56*	
		For 1" Mesh Fabric, Add	*2,577.48*	
		For 1-1/4" Mesh Fabric, Add	*1,659.06*	
		For 1-3/4" Mesh Fabric, Add	*1,030.99*	
		For 2-1/8" Mesh Fabric, Deduct	*-515.50*	
32 31 13 13-0424	EA	24' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	7,185.96	239.07
		For Gate With Single Barb Wire Arm, Add	*711.48*	
		For Gate With Double Barb Wire Arm, Add	*1,034.87*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,212.74*	
		For Aluminized Steel Gate And Post, Add	*3,104.62*	
		For Powder Coated Gate And Post, Add	*1,681.67*	
		For 1" Mesh Fabric, Add	*2,813.56*	
		For 1-1/4" Mesh Fabric, Add	*1,811.03*	
		For 1-3/4" Mesh Fabric, Add	*1,125.43*	
		For 2-1/8" Mesh Fabric, Deduct	*-562.71*	
32 31 13 13-0425	EA	26' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	7,837.69	279.17
		For Gate With Single Barb Wire Arm, Add	*769.95*	
		For Gate With Double Barb Wire Arm, Add	*1,119.92*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,312.41*	
		For Aluminized Steel Gate And Post, Add	*3,359.76*	
		For Powder Coated Gate And Post, Add	*1,819.87*	
		For 1" Mesh Fabric, Add	*3,044.78*	
		For 1-1/4" Mesh Fabric, Add	*1,959.86*	
		For 1-3/4" Mesh Fabric, Add	*1,217.91*	
		For 2-1/8" Mesh Fabric, Deduct	*-608.96*	
32 31 13 13-0426	EA	28' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	8,541.58	334.68
		For Gate With Single Barb Wire Arm, Add	*829.03*	
		For Gate With Double Barb Wire Arm, Add	*1,205.86*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,413.12*	
		For Aluminized Steel Gate And Post, Add	*3,617.58*	
		For Powder Coated Gate And Post, Add	*1,959.52*	
		For 1" Mesh Fabric, Add	*3,278.43*	
		For 1-1/4" Mesh Fabric, Add	*2,110.26*	
		For 1-3/4" Mesh Fabric, Add	*1,311.37*	
		For 2-1/8" Mesh Fabric, Deduct	*-655.69*	
32 31 13 13-0427	EA	30' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	9,336.65	418.70
		For Gate With Single Barb Wire Arm, Add	*888.73*	
		For Gate With Double Barb Wire Arm, Add	*1,292.70*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,514.88*	
		For Aluminized Steel Gate And Post, Add	*3,878.09*	
		For Powder Coated Gate And Post, Add	*2,100.63*	
		For 1" Mesh Fabric, Add	*3,514.52*	
		For 1-1/4" Mesh Fabric, Add	*2,262.22*	
		For 1-3/4" Mesh Fabric, Add	*1,405.81*	
		For 2-1/8" Mesh Fabric, Deduct	*-702.90*	

32 31 13 13-0428 Vinyl Coated Without Barb Wire Arm *(32 31 13 13-0286)*

Note: Industrial swing gate. Includes posts (3" diameter posts for up to 6' wide gate, 4" diameter to 13' wide, 6-5/8" diameter for 18' wide, 8-5/8" diameter for over 18' wide), 2" diameter schedule pipe frame, offset hinges, cap and hardware (drop rod, center locking device, gate keeper, catch bolt and tension bands). Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.

32 31 13 13-0429 4' Fence Height *(32 31 13 13-0428)*

32 31 13 13-0430	EA	3' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	192.74	27.51
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-20.66*	
		For 1" Mesh Fabric, Add	*47.94*	
		For 1-1/4" Mesh Fabric, Add	*30.86*	
		For 1-3/4" Mesh Fabric, Add	*19.18*	
		For 2-1/8" Mesh Fabric, Deduct	*-9.59*	
		For Gate With Single Barb Wire Arm, Add	*12.12*	
		For Gate With Double Barb Wire Arm, Add	*17.63*	
32 31 13 13-0431	EA	4' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	229.47	27.51
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-27.55*	
		For 1" Mesh Fabric, Add	*63.92*	
		For 1-1/4" Mesh Fabric, Add	*41.14*	
		For 1-3/4" Mesh Fabric, Add	*25.57*	
		For 2-1/8" Mesh Fabric, Deduct	*-12.78*	
		For Gate With Single Barb Wire Arm, Add	*16.16*	
		For Gate With Double Barb Wire Arm, Add	*23.51*	
32 31 13 13-0432	EA	5' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	265.58	29.26
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-33.29*	
		For 1" Mesh Fabric, Add	*77.24*	
		For 1-1/4" Mesh Fabric, Add	*49.72*	
		For 1-3/4" Mesh Fabric, Add	*30.90*	
		For 2-1/8" Mesh Fabric, Deduct	*-15.45*	
		For Gate With Single Barb Wire Arm, Add	*19.53*	
		For Gate With Double Barb Wire Arm, Add	*28.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0433	EA	6' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	313.80	35.21
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-39.03*	
		For 1" Mesh Fabric, Add	*90.55*	
		For 1-1/4" Mesh Fabric, Add	*58.29*	
		For 1-3/4" Mesh Fabric, Add	*36.22*	
		For 2-1/8" Mesh Fabric, Deduct	*-18.11*	
		For Gate With Single Barb Wire Arm, Add	*22.90*	
		For Gate With Double Barb Wire Arm, Add	*33.31*	
32 31 13 13-0434	EA	7' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	362.01	41.04
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-44.77*	
		For 1" Mesh Fabric, Add	*103.86*	
		For 1-1/4" Mesh Fabric, Add	*66.86*	
		For 1-3/4" Mesh Fabric, Add	*41.55*	
		For 2-1/8" Mesh Fabric, Deduct	*-20.77*	
		For Gate With Single Barb Wire Arm, Add	*26.26*	
		For Gate With Double Barb Wire Arm, Add	*38.20*	
32 31 13 13-0435	EA	8' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	410.24	46.87
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-50.51*	
		For 1" Mesh Fabric, Add	*117.19*	
		For 1-1/4" Mesh Fabric, Add	*75.43*	
		For 1-3/4" Mesh Fabric, Add	*46.88*	
		For 2-1/8" Mesh Fabric, Deduct	*-23.44*	
		For Gate With Single Barb Wire Arm, Add	*29.63*	
		For Gate With Double Barb Wire Arm, Add	*43.10*	
32 31 13 13-0436	EA	9' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	458.46	52.82
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-56.25*	
		For 1" Mesh Fabric, Add	*130.50*	
		For 1-1/4" Mesh Fabric, Add	*84.00*	
		For 1-3/4" Mesh Fabric, Add	*52.20*	
		For 2-1/8" Mesh Fabric, Deduct	*-26.10*	
		For Gate With Single Barb Wire Arm, Add	*33.00*	
		For Gate With Double Barb Wire Arm, Add	*48.00*	
32 31 13 13-0437	EA	10' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	506.67	58.65
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-61.99*	
		For 1" Mesh Fabric, Add	*143.82*	
		For 1-1/4" Mesh Fabric, Add	*92.57*	
		For 1-3/4" Mesh Fabric, Add	*57.53*	
		For 2-1/8" Mesh Fabric, Deduct	*-28.76*	
		For Gate With Single Barb Wire Arm, Add	*36.37*	
		For Gate With Double Barb Wire Arm, Add	*52.90*	
32 31 13 13-0438	EA	10' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	616.88	58.65
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-82.65*	
		For 1" Mesh Fabric, Add	*191.76*	
		For 1-1/4" Mesh Fabric, Add	*123.43*	
		For 1-3/4" Mesh Fabric, Add	*76.70*	
		For 2-1/8" Mesh Fabric, Deduct	*-38.35*	
		For Gate With Single Barb Wire Arm, Add	*48.49*	
		For Gate With Double Barb Wire Arm, Add	*70.53*	
32 31 13 13-0439	EA	12' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	717.62	62.83
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-99.19*	
		For 1" Mesh Fabric, Add	*230.11*	
		For 1-1/4" Mesh Fabric, Add	*148.12*	
		For 1-3/4" Mesh Fabric, Add	*92.04*	
		For 2-1/8" Mesh Fabric, Deduct	*-46.02*	
		For Gate With Single Barb Wire Arm, Add	*58.19*	
		For Gate With Double Barb Wire Arm, Add	*84.64*	
32 31 13 13-0440	EA	14' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	820.29	67.67
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-115.72*	
		For 1" Mesh Fabric, Add	*268.46*	
		For 1-1/4" Mesh Fabric, Add	*172.80*	
		For 1-3/4" Mesh Fabric, Add	*107.38*	
		For 2-1/8" Mesh Fabric, Deduct	*-53.69*	
		For Gate With Single Barb Wire Arm, Add	*67.89*	
		For Gate With Double Barb Wire Arm, Add	*98.74*	
32 31 13 13-0441	EA	16' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	925.38	73.28
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-132.25*	
		For 1" Mesh Fabric, Add	*306.81*	
		For 1-1/4" Mesh Fabric, Add	*197.49*	
		For 1-3/4" Mesh Fabric, Add	*122.73*	
		For 2-1/8" Mesh Fabric, Deduct	*-61.36*	
		For Gate With Single Barb Wire Arm, Add	*77.59*	
		For Gate With Double Barb Wire Arm, Add	*112.85*	
32 31 13 13-0442	EA	18' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,065.06	90.38
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-148.78*	
		For 1" Mesh Fabric, Add	*345.16*	
		For 1-1/4" Mesh Fabric, Add	*222.17*	
		For 1-3/4" Mesh Fabric, Add	*138.07*	
		For 2-1/8" Mesh Fabric, Deduct	*-69.03*	
		For Gate With Single Barb Wire Arm, Add	*87.28*	
		For Gate With Double Barb Wire Arm, Add	*126.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0443	EA	20' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,172.61	96.88
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-165.31*	
		For 1" Mesh Fabric, Add	*383.51*	
		For 1-1/4" Mesh Fabric, Add	*246.86*	
		For 1-3/4" Mesh Fabric, Add	*153.41*	
		For 2-1/8" Mesh Fabric, Deduct	*-76.70*	
		For Gate With Single Barb Wire Arm, Add	*96.98*	
		For Gate With Double Barb Wire Arm, Add	*141.06*	
32 31 13 13-0444	EA	22' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,283.17	104.39
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-181.84*	
		For 1" Mesh Fabric, Add	*421.87*	
		For 1-1/4" Mesh Fabric, Add	*271.55*	
		For 1-3/4" Mesh Fabric, Add	*168.75*	
		For 2-1/8" Mesh Fabric, Deduct	*-84.37*	
		For Gate With Single Barb Wire Arm, Add	*106.68*	
		For Gate With Double Barb Wire Arm, Add	*155.17*	
32 31 13 13-0445	EA	24' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,397.44	113.04
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-198.37*	
		For 1" Mesh Fabric, Add	*460.22*	
		For 1-1/4" Mesh Fabric, Add	*296.23*	
		For 1-3/4" Mesh Fabric, Add	*184.09*	
		For 2-1/8" Mesh Fabric, Deduct	*-92.04*	
		For Gate With Single Barb Wire Arm, Add	*116.38*	
		For Gate With Double Barb Wire Arm, Add	*169.28*	
32 31 13 13-0446	EA	26' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,516.47	123.36
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-214.90*	
		For 1" Mesh Fabric, Add	*498.57*	
		For 1-1/4" Mesh Fabric, Add	*320.92*	
		For 1-3/4" Mesh Fabric, Add	*199.43*	
		For 2-1/8" Mesh Fabric, Deduct	*-99.71*	
		For Gate With Single Barb Wire Arm, Add	*126.08*	
		For Gate With Double Barb Wire Arm, Add	*183.38*	
32 31 13 13-0447	EA	28' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,641.66	135.70
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-231.43*	
		For 1" Mesh Fabric, Add	*536.92*	
		For 1-1/4" Mesh Fabric, Add	*345.60*	
		For 1-3/4" Mesh Fabric, Add	*214.77*	
		For 2-1/8" Mesh Fabric, Deduct	*-107.38*	
		For Gate With Single Barb Wire Arm, Add	*135.77*	
		For Gate With Double Barb Wire Arm, Add	*197.49*	
32 31 13 13-0448	EA	30' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,775.10	150.72
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-247.96*	
		For 1" Mesh Fabric, Add	*575.27*	
		For 1-1/4" Mesh Fabric, Add	*370.29*	
		For 1-3/4" Mesh Fabric, Add	*230.11*	
		For 2-1/8" Mesh Fabric, Deduct	*-115.05*	
		For Gate With Single Barb Wire Arm, Add	*145.47*	
		For Gate With Double Barb Wire Arm, Add	*211.60*	
32 31 13 13-0449		**5' Fence Height** *(32 31 13 13-0428)*		
32 31 13 13-0450	EA	3' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	224.58	29.26
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-25.61*	
		For 1" Mesh Fabric, Add	*59.40*	
		For 1-1/4" Mesh Fabric, Add	*38.24*	
		For 1-3/4" Mesh Fabric, Add	*23.76*	
		For 2-1/8" Mesh Fabric, Deduct	*-11.88*	
		For Gate With Single Barb Wire Arm, Add	*15.02*	
		For Gate With Double Barb Wire Arm, Add	*21.85*	
32 31 13 13-0451	EA	4' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	270.10	29.26
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-34.14*	
		For 1" Mesh Fabric, Add	*79.20*	
		For 1-1/4" Mesh Fabric, Add	*50.98*	
		For 1-3/4" Mesh Fabric, Add	*31.68*	
		For 2-1/8" Mesh Fabric, Deduct	*-15.84*	
		For Gate With Single Barb Wire Arm, Add	*20.03*	
		For Gate With Double Barb Wire Arm, Add	*29.13*	
32 31 13 13-0452	EA	5' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	309.76	31.14
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-40.54*	
		For 1" Mesh Fabric, Add	*94.06*	
		For 1-1/4" Mesh Fabric, Add	*60.54*	
		For 1-3/4" Mesh Fabric, Add	*37.62*	
		For 2-1/8" Mesh Fabric, Deduct	*-18.81*	
		For Gate With Single Barb Wire Arm, Add	*23.79*	
		For Gate With Double Barb Wire Arm, Add	*34.60*	
32 31 13 13-0453	EA	6' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	362.59	37.41
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-46.94*	
		For 1" Mesh Fabric, Add	*108.91*	
		For 1-1/4" Mesh Fabric, Add	*70.10*	
		For 1-3/4" Mesh Fabric, Add	*43.56*	
		For 2-1/8" Mesh Fabric, Deduct	*-21.78*	
		For Gate With Single Barb Wire Arm, Add	*27.54*	
		For Gate With Double Barb Wire Arm, Add	*40.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0454	EA	7' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	415.45	43.57
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-53.35*	
		For 1" Mesh Fabric, Add	*123.76*	
		For 1-1/4" Mesh Fabric, Add	*79.66*	
		For 1-3/4" Mesh Fabric, Add	*49.50*	
		For 2-1/8" Mesh Fabric, Deduct	*-24.75*	
		For Gate With Single Barb Wire Arm, Add	*31.30*	
		For Gate With Double Barb Wire Arm, Add	*45.52*	
32 31 13 13-0455	EA	8' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	469.38	50.18
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-59.75*	
		For 1" Mesh Fabric, Add	*138.61*	
		For 1-1/4" Mesh Fabric, Add	*89.22*	
		For 1-3/4" Mesh Fabric, Add	*55.44*	
		For 2-1/8" Mesh Fabric, Deduct	*-27.72*	
		For Gate With Single Barb Wire Arm, Add	*35.05*	
		For Gate With Double Barb Wire Arm, Add	*50.98*	
32 31 13 13-0456	EA	9 Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	522.23	56.45
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-66.15*	
		For 1" Mesh Fabric, Add	*153.46*	
		For 1-1/4" Mesh Fabric, Add	*98.78*	
		For 1-3/4" Mesh Fabric, Add	*61.39*	
		For 2-1/8" Mesh Fabric, Deduct	*-30.69*	
		For Gate With Single Barb Wire Arm, Add	*38.81*	
		For Gate With Double Barb Wire Arm, Add	*56.45*	
32 31 13 13-0457	EA	10' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	575.08	62.61
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-72.55*	
		For 1" Mesh Fabric, Add	*168.31*	
		For 1-1/4" Mesh Fabric, Add	*108.34*	
		For 1-3/4" Mesh Fabric, Add	*67.32*	
		For 2-1/8" Mesh Fabric, Deduct	*-33.66*	
		For Gate With Single Barb Wire Arm, Add	*42.56*	
		For Gate With Double Barb Wire Arm, Add	*61.91*	
32 31 13 13-0458	EA	10' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	734.87	62.83
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-102.42*	
		For 1" Mesh Fabric, Add	*237.61*	
		For 1-1/4" Mesh Fabric, Add	*152.95*	
		For 1-3/4" Mesh Fabric, Add	*95.05*	
		For 2-1/8" Mesh Fabric, Deduct	*-47.52*	
		For Gate With Single Barb Wire Arm, Add	*60.09*	
		For Gate With Double Barb Wire Arm, Add	*87.40*	
32 31 13 13-0459	EA	12' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	858.63	67.67
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-122.90*	
		For 1" Mesh Fabric, Add	*285.14*	
		For 1-1/4" Mesh Fabric, Add	*183.54*	
		For 1-3/4" Mesh Fabric, Add	*114.06*	
		For 2-1/8" Mesh Fabric, Deduct	*-57.03*	
		For Gate With Single Barb Wire Arm, Add	*72.10*	
		For Gate With Double Barb Wire Arm, Add	*104.88*	
32 31 13 13-0460	EA	14' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	984.79	73.28
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-143.39*	
		For 1" Mesh Fabric, Add	*332.66*	
		For 1-1/4" Mesh Fabric, Add	*214.12*	
		For 1-3/4" Mesh Fabric, Add	*133.06*	
		For 2-1/8" Mesh Fabric, Deduct	*-66.53*	
		For Gate With Single Barb Wire Arm, Add	*84.12*	
		For Gate With Double Barb Wire Arm, Add	*122.36*	
32 31 13 13-0461	EA	16' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,145.56	90.38
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-163.87*	
		For 1" Mesh Fabric, Add	*380.18*	
		For 1-1/4" Mesh Fabric, Add	*244.71*	
		For 1-3/4" Mesh Fabric, Add	*152.07*	
		For 2-1/8" Mesh Fabric, Deduct	*-76.04*	
		For Gate With Single Barb Wire Arm, Add	*96.14*	
		For Gate With Double Barb Wire Arm, Add	*139.84*	
32 31 13 13-0462	EA	18 Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,274.20	96.88
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-184.36*	
		For 1" Mesh Fabric, Add	*427.71*	
		For 1-1/4" Mesh Fabric, Add	*275.30*	
		For 1-3/4" Mesh Fabric, Add	*171.08*	
		For 2-1/8" Mesh Fabric, Deduct	*-85.54*	
		For Gate With Single Barb Wire Arm, Add	*108.16*	
		For Gate With Double Barb Wire Arm, Add	*157.32*	
32 31 13 13-0463	EA	20' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,405.84	104.39
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-204.84*	
		For 1" Mesh Fabric, Add	*475.23*	
		For 1-1/4" Mesh Fabric, Add	*305.89*	
		For 1-3/4" Mesh Fabric, Add	*190.09*	
		For 2-1/8" Mesh Fabric, Deduct	*-95.05*	
		For Gate With Single Barb Wire Arm, Add	*120.17*	
		For Gate With Double Barb Wire Arm, Add	*174.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0464	EA	22' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,541.19	113.04
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-225.32*	
		For 1" Mesh Fabric, Add	*522.75*	
		For 1-1/4" Mesh Fabric, Add	*336.48*	
		For 1-3/4" Mesh Fabric, Add	*209.10*	
		For 2-1/8" Mesh Fabric, Deduct	*-104.55*	
		For Gate With Single Barb Wire Arm, Add	*132.19*	
		For Gate With Double Barb Wire Arm, Add	*192.28*	
32 31 13 13-0465	EA	24' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,681.30	123.36
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-245.81*	
		For 1" Mesh Fabric, Add	*570.27*	
		For 1-1/4" Mesh Fabric, Add	*367.07*	
		For 1-3/4" Mesh Fabric, Add	*228.11*	
		For 2-1/8" Mesh Fabric, Deduct	*-114.05*	
		For Gate With Single Barb Wire Arm, Add	*144.21*	
		For Gate With Double Barb Wire Arm, Add	*209.76*	
32 31 13 13-0466	EA	26' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,827.58	135.70
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-266.29*	
		For 1" Mesh Fabric, Add	*617.80*	
		For 1-1/4" Mesh Fabric, Add	*397.66*	
		For 1-3/4" Mesh Fabric, Add	*247.12*	
		For 2-1/8" Mesh Fabric, Deduct	*-123.56*	
		For Gate With Single Barb Wire Arm, Add	*156.22*	
		For Gate With Double Barb Wire Arm, Add	*227.24*	
32 31 13 13-0467	EA	28' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,982.10	150.72
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-286.78*	
		For 1" Mesh Fabric, Add	*665.32*	
		For 1-1/4" Mesh Fabric, Add	*428.25*	
		For 1-3/4" Mesh Fabric, Add	*266.13*	
		For 2-1/8" Mesh Fabric, Deduct	*-133.06*	
		For Gate With Single Barb Wire Arm, Add	*168.24*	
		For Gate With Double Barb Wire Arm, Add	*244.72*	
32 31 13 13-0468	EA	30' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,147.92	169.57
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-307.26*	
		For 1" Mesh Fabric, Add	*712.84*	
		For 1-1/4" Mesh Fabric, Add	*458.84*	
		For 1-3/4" Mesh Fabric, Add	*285.14*	
		For 2-1/8" Mesh Fabric, Deduct	*-142.57*	
		For Gate With Single Barb Wire Arm, Add	*180.26*	
		For Gate With Double Barb Wire Arm, Add	*262.20*	
32 31 13 13-0469		**6' Fence Height** *(32 31 13 13-0428)*		
32 31 13 13-0470	EA	3' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	240.26	31.36
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-27.36*	
		For 1" Mesh Fabric, Add	*63.48*	
		For 1-1/4" Mesh Fabric, Add	*40.86*	
		For 1-3/4" Mesh Fabric, Add	*25.39*	
		For 2-1/8" Mesh Fabric, Deduct	*-12.70*	
		For Gate With Single Barb Wire Arm, Add	*16.05*	
		For Gate With Double Barb Wire Arm, Add	*23.35*	
32 31 13 13-0471	EA	4' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	288.91	31.36
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-36.49*	
		For 1" Mesh Fabric, Add	*84.65*	
		For 1-1/4" Mesh Fabric, Add	*54.49*	
		For 1-3/4" Mesh Fabric, Add	*33.86*	
		For 2-1/8" Mesh Fabric, Deduct	*-16.93*	
		For Gate With Single Barb Wire Arm, Add	*21.40*	
		For Gate With Double Barb Wire Arm, Add	*31.13*	
32 31 13 13-0472	EA	5' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	331.21	33.34
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-43.33*	
		For 1" Mesh Fabric, Add	*100.52*	
		For 1-1/4" Mesh Fabric, Add	*64.70*	
		For 1-3/4" Mesh Fabric, Add	*40.21*	
		For 2-1/8" Mesh Fabric, Deduct	*-20.10*	
		For Gate With Single Barb Wire Arm, Add	*25.42*	
		For Gate With Double Barb Wire Arm, Add	*36.97*	
32 31 13 13-0473	EA	6' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	388.61	40.27
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-50.17*	
		For 1" Mesh Fabric, Add	*116.39*	
		For 1-1/4" Mesh Fabric, Add	*74.92*	
		For 1-3/4" Mesh Fabric, Add	*46.56*	
		For 2-1/8" Mesh Fabric, Deduct	*-23.28*	
		For Gate With Single Barb Wire Arm, Add	*29.43*	
		For Gate With Double Barb Wire Arm, Add	*42.81*	
32 31 13 13-0474	EA	7' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	445.99	47.31
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-57.01*	
		For 1" Mesh Fabric, Add	*132.26*	
		For 1-1/4" Mesh Fabric, Add	*85.13*	
		For 1-3/4" Mesh Fabric, Add	*52.90*	
		For 2-1/8" Mesh Fabric, Deduct	*-26.45*	
		For Gate With Single Barb Wire Arm, Add	*33.45*	
		For Gate With Double Barb Wire Arm, Add	*48.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0475	EA	8' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	502.29	53.92
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-63.85*	
		For 1" Mesh Fabric, Add	*148.13*	
		For 1-1/4" Mesh Fabric, Add	*95.35*	
		For 1-3/4" Mesh Fabric, Add	*59.25*	
		For 2-1/8" Mesh Fabric, Deduct	*-29.63*	
		For Gate With Single Barb Wire Arm, Add	*37.46*	
		For Gate With Double Barb Wire Arm, Add	*54.49*	
32 31 13 13-0476	EA	9' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	559.68	60.85
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-70.69*	
		For 1" Mesh Fabric, Add	*164.00*	
		For 1-1/4" Mesh Fabric, Add	*105.57*	
		For 1-3/4" Mesh Fabric, Add	*65.60*	
		For 2-1/8" Mesh Fabric, Deduct	*-32.80*	
		For Gate With Single Barb Wire Arm, Add	*41.47*	
		For Gate With Double Barb Wire Arm, Add	*60.32*	
32 31 13 13-0477	EA	10' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	617.07	67.78
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-77.53*	
		For 1" Mesh Fabric, Add	*179.88*	
		For 1-1/4" Mesh Fabric, Add	*115.78*	
		For 1-3/4" Mesh Fabric, Add	*71.95*	
		For 2-1/8" Mesh Fabric, Deduct	*-35.98*	
		For Gate With Single Barb Wire Arm, Add	*45.49*	
		For Gate With Double Barb Wire Arm, Add	*66.16*	
32 31 13 13-0478	EA	10' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	786.91	67.67
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-109.46*	
		For 1" Mesh Fabric, Add	*253.94*	
		For 1-1/4" Mesh Fabric, Add	*163.46*	
		For 1-3/4" Mesh Fabric, Add	*101.58*	
		For 2-1/8" Mesh Fabric, Deduct	*-50.79*	
		For Gate With Single Barb Wire Arm, Add	*64.21*	
		For Gate With Double Barb Wire Arm, Add	*93.40*	
32 31 13 13-0479	EA	12' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	920.59	73.28
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-131.35*	
		For 1" Mesh Fabric, Add	*304.73*	
		For 1-1/4" Mesh Fabric, Add	*196.15*	
		For 1-3/4" Mesh Fabric, Add	*121.89*	
		For 2-1/8" Mesh Fabric, Deduct	*-60.95*	
		For Gate With Single Barb Wire Arm, Add	*77.06*	
		For Gate With Double Barb Wire Arm, Add	*112.08*	
32 31 13 13-0480	EA	14' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,108.25	96.88
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-153.24*	
		For 1" Mesh Fabric, Add	*355.52*	
		For 1-1/4" Mesh Fabric, Add	*228.84*	
		For 1-3/4" Mesh Fabric, Add	*142.21*	
		For 2-1/8" Mesh Fabric, Deduct	*-71.10*	
		For Gate With Single Barb Wire Arm, Add	*89.90*	
		For Gate With Double Barb Wire Arm, Add	*130.76*	
32 31 13 13-0481	EA	16' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,247.40	104.39
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-175.13*	
		For 1" Mesh Fabric, Add	*406.31*	
		For 1-1/4" Mesh Fabric, Add	*261.53*	
		For 1-3/4" Mesh Fabric, Add	*162.52*	
		For 2-1/8" Mesh Fabric, Deduct	*-81.26*	
		For Gate With Single Barb Wire Arm, Add	*102.74*	
		For Gate With Double Barb Wire Arm, Add	*149.45*	
32 31 13 13-0482	EA	18' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,390.26	113.04
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-197.02*	
		For 1" Mesh Fabric, Add	*457.09*	
		For 1-1/4" Mesh Fabric, Add	*294.22*	
		For 1-3/4" Mesh Fabric, Add	*182.84*	
		For 2-1/8" Mesh Fabric, Deduct	*-91.42*	
		For Gate With Single Barb Wire Arm, Add	*115.59*	
		For Gate With Double Barb Wire Arm, Add	*168.13*	
32 31 13 13-0483	EA	20' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,559.45	123.36
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-222.96*	
		For 1" Mesh Fabric, Add	*517.27*	
		For 1-1/4" Mesh Fabric, Add	*332.95*	
		For 1-3/4" Mesh Fabric, Add	*206.91*	
		For 2-1/8" Mesh Fabric, Deduct	*-103.45*	
		For Gate With Single Barb Wire Arm, Add	*130.80*	
		For Gate With Double Barb Wire Arm, Add	*190.26*	
32 31 13 13-0484	EA	22' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,695.58	135.70
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-241.54*	
		For 1" Mesh Fabric, Add	*560.38*	
		For 1-1/4" Mesh Fabric, Add	*360.70*	
		For 1-3/4" Mesh Fabric, Add	*224.15*	
		For 2-1/8" Mesh Fabric, Deduct	*-112.08*	
		For Gate With Single Barb Wire Arm, Add	*141.70*	
		For Gate With Double Barb Wire Arm, Add	*206.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0485	EA	24' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,853.69	150.72
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-262.70*	
		For 1" Mesh Fabric, Add	*609.46*	
		For 1-1/4" Mesh Fabric, Add	*392.30*	
		For 1-3/4" Mesh Fabric, Add	*243.78*	
		For 2-1/8" Mesh Fabric, Deduct	*-121.89*	
		For Gate With Single Barb Wire Arm, Add	*154.12*	
		For Gate With Double Barb Wire Arm, Add	*224.17*	
32 31 13 13-0486	EA	26' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,027.01	169.57
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-284.59*	
		For 1" Mesh Fabric, Add	*660.25*	
		For 1-1/4" Mesh Fabric, Add	*424.99*	
		For 1-3/4" Mesh Fabric, Add	*264.10*	
		For 2-1/8" Mesh Fabric, Deduct	*-132.05*	
		For Gate With Single Barb Wire Arm, Add	*166.96*	
		For Gate With Double Barb Wire Arm, Add	*242.85*	
32 31 13 13-0487	EA	28' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,216.52	193.75
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-306.48*	
		For 1" Mesh Fabric, Add	*711.04*	
		For 1-1/4" Mesh Fabric, Add	*457.68*	
		For 1-3/4" Mesh Fabric, Add	*284.42*	
		For 2-1/8" Mesh Fabric, Deduct	*-142.21*	
		For Gate With Single Barb Wire Arm, Add	*179.80*	
		For Gate With Double Barb Wire Arm, Add	*261.53*	
32 31 13 13-0488	EA	30' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,430.26	226.09
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-328.37*	
		For 1" Mesh Fabric, Add	*761.82*	
		For 1-1/4" Mesh Fabric, Add	*490.37*	
		For 1-3/4" Mesh Fabric, Add	*304.73*	
		For 2-1/8" Mesh Fabric, Deduct	*-152.36*	
		For Gate With Single Barb Wire Arm, Add	*192.65*	
		For Gate With Double Barb Wire Arm, Add	*280.21*	
32 31 13 13-0489		7' Fence Height *(32 31 13 13-0428)*		
32 31 13 13-0490	EA	3' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	254.86	33.78
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-28.74*	
		For 1" Mesh Fabric, Add	*66.68*	
		For 1-1/4" Mesh Fabric, Add	*42.92*	
		For 1-3/4" Mesh Fabric, Add	*26.67*	
		For 2-1/8" Mesh Fabric, Deduct	*-13.34*	
		For Gate With Single Barb Wire Arm, Add	*16.86*	
		For Gate With Double Barb Wire Arm, Add	*24.53*	
32 31 13 13-0491	EA	4' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	305.96	33.78
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-38.32*	
		For 1" Mesh Fabric, Add	*88.91*	
		For 1-1/4" Mesh Fabric, Add	*57.23*	
		For 1-3/4" Mesh Fabric, Add	*35.56*	
		For 2-1/8" Mesh Fabric, Deduct	*-17.78*	
		For Gate With Single Barb Wire Arm, Add	*22.48*	
		For Gate With Double Barb Wire Arm, Add	*32.70*	
32 31 13 13-0492	EA	5' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	349.46	35.54
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-45.51*	
		For 1" Mesh Fabric, Add	*105.58*	
		For 1-1/4" Mesh Fabric, Add	*67.96*	
		For 1-3/4" Mesh Fabric, Add	*42.23*	
		For 2-1/8" Mesh Fabric, Deduct	*-21.12*	
		For Gate With Single Barb Wire Arm, Add	*26.70*	
		For Gate With Double Barb Wire Arm, Add	*38.84*	
32 31 13 13-0493	EA	6' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	410.88	43.24
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-52.70*	
		For 1" Mesh Fabric, Add	*122.25*	
		For 1-1/4" Mesh Fabric, Add	*78.69*	
		For 1-3/4" Mesh Fabric, Add	*48.90*	
		For 2-1/8" Mesh Fabric, Deduct	*-24.45*	
		For Gate With Single Barb Wire Arm, Add	*30.91*	
		For Gate With Double Barb Wire Arm, Add	*44.97*	
32 31 13 13-0494	EA	7' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	471.21	50.62
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-59.88*	
		For 1" Mesh Fabric, Add	*138.93*	
		For 1-1/4" Mesh Fabric, Add	*89.42*	
		For 1-3/4" Mesh Fabric, Add	*55.57*	
		For 2-1/8" Mesh Fabric, Deduct	*-27.79*	
		For Gate With Single Barb Wire Arm, Add	*35.13*	
		For Gate With Double Barb Wire Arm, Add	*51.10*	
32 31 13 13-0495	EA	8' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	532.65	58.21
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-67.07*	
		For 1" Mesh Fabric, Add	*155.60*	
		For 1-1/4" Mesh Fabric, Add	*100.16*	
		For 1-3/4" Mesh Fabric, Add	*62.24*	
		For 2-1/8" Mesh Fabric, Deduct	*-31.12*	
		For Gate With Single Barb Wire Arm, Add	*39.35*	
		For Gate With Double Barb Wire Arm, Add	*57.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0496	EA	9' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	592.98	65.58
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-74.25*	
		For 1" Mesh Fabric, Add	*172.27*	
		For 1-1/4" Mesh Fabric, Add	*110.89*	
		For 1-3/4" Mesh Fabric, Add	*68.91*	
		For 2-1/8" Mesh Fabric, Deduct	*-34.45*	
		For Gate With Single Barb Wire Arm, Add	*43.56*	
		For Gate With Double Barb Wire Arm, Add	*63.36*	
32 31 13 13-0497	EA	10' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	654.41	73.28
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-81.44*	
		For 1" Mesh Fabric, Add	*188.94*	
		For 1-1/4" Mesh Fabric, Add	*121.62*	
		For 1-3/4" Mesh Fabric, Add	*75.58*	
		For 2-1/8" Mesh Fabric, Deduct	*-37.79*	
		For Gate With Single Barb Wire Arm, Add	*47.78*	
		For Gate With Double Barb Wire Arm, Add	*69.50*	
32 31 13 13-0498	EA	10' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	833.24	73.28
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-114.97*	
		For 1" Mesh Fabric, Add	*266.73*	
		For 1-1/4" Mesh Fabric, Add	*171.69*	
		For 1-3/4" Mesh Fabric, Add	*106.69*	
		For 2-1/8" Mesh Fabric, Deduct	*-53.35*	
		For Gate With Single Barb Wire Arm, Add	*67.45*	
		For Gate With Double Barb Wire Arm, Add	*98.11*	
32 31 13 13-0499	EA	12' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,026.77	96.88
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-137.96*	
		For 1" Mesh Fabric, Add	*320.07*	
		For 1-1/4" Mesh Fabric, Add	*206.02*	
		For 1-3/4" Mesh Fabric, Add	*128.03*	
		For 2-1/8" Mesh Fabric, Deduct	*-64.01*	
		For Gate With Single Barb Wire Arm, Add	*80.94*	
		For Gate With Double Barb Wire Arm, Add	*117.73*	
32 31 13 13-0500	EA	14' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,171.81	104.39
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-160.96*	
		For 1" Mesh Fabric, Add	*373.43*	
		For 1-1/4" Mesh Fabric, Add	*240.37*	
		For 1-3/4" Mesh Fabric, Add	*149.37*	
		For 2-1/8" Mesh Fabric, Deduct	*-74.69*	
		For Gate With Single Barb Wire Arm, Add	*94.43*	
		For Gate With Double Barb Wire Arm, Add	*137.35*	
32 31 13 13-0501	EA	16' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,320.54	113.04
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-183.95*	
		For 1" Mesh Fabric, Add	*426.77*	
		For 1-1/4" Mesh Fabric, Add	*274.70*	
		For 1-3/4" Mesh Fabric, Add	*170.71*	
		For 2-1/8" Mesh Fabric, Deduct	*-85.35*	
		For Gate With Single Barb Wire Arm, Add	*107.92*	
		For Gate With Double Barb Wire Arm, Add	*156.97*	
32 31 13 13-0502	EA	18' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,474.05	123.36
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-206.95*	
		For 1" Mesh Fabric, Add	*480.12*	
		For 1-1/4" Mesh Fabric, Add	*309.04*	
		For 1-3/4" Mesh Fabric, Add	*192.05*	
		For 2-1/8" Mesh Fabric, Deduct	*-96.02*	
		For Gate With Single Barb Wire Arm, Add	*121.41*	
		For Gate With Double Barb Wire Arm, Add	*176.60*	
32 31 13 13-0503	EA	20' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,633.70	135.70
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-229.94*	
		For 1" Mesh Fabric, Add	*533.46*	
		For 1-1/4" Mesh Fabric, Add	*343.38*	
		For 1-3/4" Mesh Fabric, Add	*213.38*	
		For 2-1/8" Mesh Fabric, Deduct	*-106.69*	
		For Gate With Single Barb Wire Arm, Add	*134.90*	
		For Gate With Double Barb Wire Arm, Add	*196.21*	
32 31 13 13-0504	EA	22' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,801.58	150.72
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-252.93*	
		For 1" Mesh Fabric, Add	*586.79*	
		For 1-1/4" Mesh Fabric, Add	*377.71*	
		For 1-3/4" Mesh Fabric, Add	*234.72*	
		For 2-1/8" Mesh Fabric, Deduct	*-117.36*	
		For Gate With Single Barb Wire Arm, Add	*148.38*	
		For Gate With Double Barb Wire Arm, Add	*215.83*	
32 31 13 13-0505	EA	24' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,980.80	169.57
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-275.93*	
		For 1" Mesh Fabric, Add	*640.15*	
		For 1-1/4" Mesh Fabric, Add	*412.05*	
		For 1-3/4" Mesh Fabric, Add	*256.06*	
		For 2-1/8" Mesh Fabric, Deduct	*-128.03*	
		For Gate With Single Barb Wire Arm, Add	*161.88*	
		For Gate With Double Barb Wire Arm, Add	*235.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0506	EA	26' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,176.20	193.75
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-298.92*	
		For 1" Mesh Fabric, Add	*693.50*	
		For 1-1/4" Mesh Fabric, Add	*446.39*	
		For 1-3/4" Mesh Fabric, Add	*277.40*	
		For 2-1/8" Mesh Fabric, Deduct	*-138.70*	
		For Gate With Single Barb Wire Arm, Add	*175.37*	
		For Gate With Double Barb Wire Arm, Add	*255.08*	
32 31 13 13-0507	EA	28' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,395.81	226.09
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-321.91*	
		For 1" Mesh Fabric, Add	*746.84*	
		For 1-1/4" Mesh Fabric, Add	*480.72*	
		For 1-3/4" Mesh Fabric, Add	*298.74*	
		For 2-1/8" Mesh Fabric, Deduct	*-149.37*	
		For Gate With Single Barb Wire Arm, Add	*188.86*	
		For Gate With Double Barb Wire Arm, Add	*274.70*	
32 31 13 13-0508	EA	30' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,654.25	271.28
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-344.91*	
		For 1" Mesh Fabric, Add	*800.19*	
		For 1-1/4" Mesh Fabric, Add	*515.07*	
		For 1-3/4" Mesh Fabric, Add	*320.08*	
		For 2-1/8" Mesh Fabric, Deduct	*-160.04*	
		For Gate With Single Barb Wire Arm, Add	*202.35*	
		For Gate With Double Barb Wire Arm, Add	*294.32*	

32 31 13 13-0509 8' Fence Height *(32 31 13 13-0428)*

32 31 13 13-0510	EA	3' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	295.83	36.64
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-34.84*	
		For 1" Mesh Fabric, Add	*80.82*	
		For 1-1/4" Mesh Fabric, Add	*52.02*	
		For 1-3/4" Mesh Fabric, Add	*32.33*	
		For 2-1/8" Mesh Fabric, Deduct	*-16.16*	
		For Gate With Single Barb Wire Arm, Add	*20.44*	
		For Gate With Double Barb Wire Arm, Add	*29.73*	
32 31 13 13-0511	EA	4' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	357.76	36.64
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-46.45*	
		For 1" Mesh Fabric, Add	*107.76*	
		For 1-1/4" Mesh Fabric, Add	*69.36*	
		For 1-3/4" Mesh Fabric, Add	*43.11*	
		For 2-1/8" Mesh Fabric, Deduct	*-21.55*	
		For Gate With Single Barb Wire Arm, Add	*27.25*	
		For Gate With Double Barb Wire Arm, Add	*39.64*	
32 31 13 13-0512	EA	5' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	399.05	36.64
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-54.19*	
		For 1" Mesh Fabric, Add	*125.72*	
		For 1-1/4" Mesh Fabric, Add	*80.93*	
		For 1-3/4" Mesh Fabric, Add	*50.29*	
		For 2-1/8" Mesh Fabric, Deduct	*-25.14*	
		For Gate With Single Barb Wire Arm, Add	*31.79*	
		For Gate With Double Barb Wire Arm, Add	*46.24*	
32 31 13 13-0513	EA	6' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	468.95	46.22
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-61.93*	
		For 1" Mesh Fabric, Add	*143.68*	
		For 1-1/4" Mesh Fabric, Add	*92.49*	
		For 1-3/4" Mesh Fabric, Add	*57.47*	
		For 2-1/8" Mesh Fabric, Deduct	*-28.74*	
		For Gate With Single Barb Wire Arm, Add	*36.33*	
		For Gate With Double Barb Wire Arm, Add	*52.85*	
32 31 13 13-0514	EA	7' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	538.85	55.67
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-69.68*	
		For 1" Mesh Fabric, Add	*161.65*	
		For 1-1/4" Mesh Fabric, Add	*104.05*	
		For 1-3/4" Mesh Fabric, Add	*64.66*	
		For 2-1/8" Mesh Fabric, Deduct	*-32.33*	
		For Gate With Single Barb Wire Arm, Add	*40.88*	
		For Gate With Double Barb Wire Arm, Add	*59.46*	
32 31 13 13-0515	EA	8' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	607.65	64.81
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-77.42*	
		For 1" Mesh Fabric, Add	*179.61*	
		For 1-1/4" Mesh Fabric, Add	*115.61*	
		For 1-3/4" Mesh Fabric, Add	*71.84*	
		For 2-1/8" Mesh Fabric, Deduct	*-35.92*	
		For Gate With Single Barb Wire Arm, Add	*45.42*	
		For Gate With Double Barb Wire Arm, Add	*66.06*	
32 31 13 13-0516	EA	9' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	677.55	74.39
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-85.16*	
		For 1" Mesh Fabric, Add	*197.57*	
		For 1-1/4" Mesh Fabric, Add	*127.17*	
		For 1-3/4" Mesh Fabric, Add	*79.03*	
		For 2-1/8" Mesh Fabric, Deduct	*-39.51*	
		For Gate With Single Barb Wire Arm, Add	*49.96*	
		For Gate With Double Barb Wire Arm, Add	*72.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0517	EA	10' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	747.44	83.95
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-92.90*	
		For 1" Mesh Fabric, Add	*215.53*	
		For 1-1/4" Mesh Fabric, Add	*138.73*	
		For 1-3/4" Mesh Fabric, Add	*86.21*	
		For 2-1/8" Mesh Fabric, Deduct	*-43.11*	
		For Gate With Single Barb Wire Arm, Add	*54.50*	
		For Gate With Double Barb Wire Arm, Add	*79.28*	
32 31 13 13-0518	EA	10' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,034.16	96.88
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-139.35*	
		For 1" Mesh Fabric, Add	*323.29*	
		For 1-1/4" Mesh Fabric, Add	*208.09*	
		For 1-3/4" Mesh Fabric, Add	*129.32*	
		For 2-1/8" Mesh Fabric, Deduct	*-64.66*	
		For Gate With Single Barb Wire Arm, Add	*81.75*	
		For Gate With Double Barb Wire Arm, Add	*118.91*	
32 31 13 13-0519	EA	12' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,205.19	104.39
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-167.22*	
		For 1" Mesh Fabric, Add	*387.95*	
		For 1-1/4" Mesh Fabric, Add	*249.71*	
		For 1-3/4" Mesh Fabric, Add	*155.18*	
		For 2-1/8" Mesh Fabric, Deduct	*-77.59*	
		For Gate With Single Barb Wire Arm, Add	*98.10*	
		For Gate With Double Barb Wire Arm, Add	*142.69*	
32 31 13 13-0520	EA	14' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,379.94	113.04
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-195.09*	
		For 1" Mesh Fabric, Add	*452.60*	
		For 1-1/4" Mesh Fabric, Add	*291.33*	
		For 1-3/4" Mesh Fabric, Add	*181.04*	
		For 2-1/8" Mesh Fabric, Deduct	*-90.52*	
		For Gate With Single Barb Wire Arm, Add	*114.45*	
		For Gate With Double Barb Wire Arm, Add	*166.48*	
32 31 13 13-0521	EA	16' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,559.44	123.36
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-222.96*	
		For 1" Mesh Fabric, Add	*517.26*	
		For 1-1/4" Mesh Fabric, Add	*332.95*	
		For 1-3/4" Mesh Fabric, Add	*206.91*	
		For 2-1/8" Mesh Fabric, Deduct	*-103.45*	
		For Gate With Single Barb Wire Arm, Add	*130.80*	
		For Gate With Double Barb Wire Arm, Add	*190.26*	
32 31 13 13-0522	EA	18' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,745.11	135.70
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-250.83*	
		For 1" Mesh Fabric, Add	*581.92*	
		For 1-1/4" Mesh Fabric, Add	*374.57*	
		For 1-3/4" Mesh Fabric, Add	*232.77*	
		For 2-1/8" Mesh Fabric, Deduct	*-116.38*	
		For Gate With Single Barb Wire Arm, Add	*147.15*	
		For Gate With Double Barb Wire Arm, Add	*214.04*	
32 31 13 13-0523	EA	20' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,939.02	150.72
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-278.70*	
		For 1" Mesh Fabric, Add	*646.58*	
		For 1-1/4" Mesh Fabric, Add	*416.19*	
		For 1-3/4" Mesh Fabric, Add	*258.63*	
		For 2-1/8" Mesh Fabric, Deduct	*-129.32*	
		For Gate With Single Barb Wire Arm, Add	*163.50*	
		For Gate With Double Barb Wire Arm, Add	*237.82*	
32 31 13 13-0524	EA	22' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,144.22	169.57
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-306.57*	
		For 1" Mesh Fabric, Add	*711.23*	
		For 1-1/4" Mesh Fabric, Add	*457.81*	
		For 1-3/4" Mesh Fabric, Add	*284.49*	
		For 2-1/8" Mesh Fabric, Deduct	*-142.25*	
		For Gate With Single Barb Wire Arm, Add	*179.85*	
		For Gate With Double Barb Wire Arm, Add	*261.60*	
32 31 13 13-0525	EA	24' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,365.61	193.75
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-334.44*	
		For 1" Mesh Fabric, Add	*775.89*	
		For 1-1/4" Mesh Fabric, Add	*499.42*	
		For 1-3/4" Mesh Fabric, Add	*310.36*	
		For 2-1/8" Mesh Fabric, Deduct	*-155.18*	
		For Gate With Single Barb Wire Arm, Add	*196.20*	
		For Gate With Double Barb Wire Arm, Add	*285.39*	
32 31 13 13-0526	EA	26' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,611.24	226.09
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-362.31*	
		For 1" Mesh Fabric, Add	*840.55*	
		For 1-1/4" Mesh Fabric, Add	*541.04*	
		For 1-3/4" Mesh Fabric, Add	*336.22*	
		For 2-1/8" Mesh Fabric, Deduct	*-168.11*	
		For Gate With Single Barb Wire Arm, Add	*212.55*	
		For Gate With Double Barb Wire Arm, Add	*309.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0527	EA	28' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,895.67	271.28
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-390.18*	
		For 1" Mesh Fabric, Add	*905.21*	
		For 1-1/4" Mesh Fabric, Add	*582.66*	
		For 1-3/4" Mesh Fabric, Add	*362.08*	
		For 2-1/8" Mesh Fabric, Deduct	*-181.04*	
		For Gate With Single Barb Wire Arm, Add	*228.90*	
		For Gate With Double Barb Wire Arm, Add	*332.95*	
32 31 13 13-0528	EA	30' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,247.99	339.14
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-418.05*	
		For 1" Mesh Fabric, Add	*969.87*	
		For 1-1/4" Mesh Fabric, Add	*624.28*	
		For 1-3/4" Mesh Fabric, Add	*387.95*	
		For 2-1/8" Mesh Fabric, Deduct	*-193.97*	
		For Gate With Single Barb Wire Arm, Add	*245.25*	
		For Gate With Double Barb Wire Arm, Add	*356.73*	
32 31 13 13-0529		**10' Fence Height** *(32 31 13 13-0428)*		
32 31 13 13-0530	EA	3' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	337.79	40.71
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-40.41*	
		For 1" Mesh Fabric, Add	*93.76*	
		For 1-1/4" Mesh Fabric, Add	*60.35*	
		For 1-3/4" Mesh Fabric, Add	*37.50*	
		For 2-1/8" Mesh Fabric, Deduct	*-18.75*	
		For Gate With Single Barb Wire Arm, Add	*23.71*	
		For Gate With Double Barb Wire Arm, Add	*34.48*	
32 31 13 13-0531	EA	4' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	409.64	40.71
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-53.88*	
		For 1" Mesh Fabric, Add	*125.01*	
		For 1-1/4" Mesh Fabric, Add	*80.47*	
		For 1-3/4" Mesh Fabric, Add	*50.00*	
		For 2-1/8" Mesh Fabric, Deduct	*-25.00*	
		For Gate With Single Barb Wire Arm, Add	*31.61*	
		For Gate With Double Barb Wire Arm, Add	*45.98*	
32 31 13 13-0532	EA	5' Wide x 10' High Gate Single Vinyl Coated Without Barbed Wire Arm	462.92	42.47
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-62.87*	
		For 1" Mesh Fabric, Add	*145.85*	
		For 1-1/4" Mesh Fabric, Add	*93.88*	
		For 1-3/4" Mesh Fabric, Add	*58.34*	
		For 2-1/8" Mesh Fabric, Deduct	*-29.17*	
		For Gate With Single Barb Wire Arm, Add	*36.88*	
		For Gate With Double Barb Wire Arm, Add	*53.64*	
32 31 13 13-0533	EA	6' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	541.62	52.82
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-71.85*	
		For 1" Mesh Fabric, Add	*166.68*	
		For 1-1/4" Mesh Fabric, Add	*107.29*	
		For 1-3/4" Mesh Fabric, Add	*66.67*	
		For 2-1/8" Mesh Fabric, Deduct	*-33.34*	
		For Gate With Single Barb Wire Arm, Add	*42.15*	
		For Gate With Double Barb Wire Arm, Add	*61.31*	
32 31 13 13-0534	EA	7' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	619.23	62.61
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-80.83*	
		For 1" Mesh Fabric, Add	*187.52*	
		For 1-1/4" Mesh Fabric, Add	*120.70*	
		For 1-3/4" Mesh Fabric, Add	*75.01*	
		For 2-1/8" Mesh Fabric, Deduct	*-37.50*	
		For Gate With Single Barb Wire Arm, Add	*47.42*	
		For Gate With Double Barb Wire Arm, Add	*68.97*	
32 31 13 13-0535	EA	8' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	697.94	72.95
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-89.81*	
		For 1" Mesh Fabric, Add	*208.36*	
		For 1-1/4" Mesh Fabric, Add	*134.11*	
		For 1-3/4" Mesh Fabric, Add	*83.34*	
		For 2-1/8" Mesh Fabric, Deduct	*-41.67*	
		For Gate With Single Barb Wire Arm, Add	*52.69*	
		For Gate With Double Barb Wire Arm, Add	*76.64*	
32 31 13 13-0536	EA	9' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	775.54	82.86
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-98.79*	
		For 1" Mesh Fabric, Add	*229.19*	
		For 1-1/4" Mesh Fabric, Add	*147.53*	
		For 1-3/4" Mesh Fabric, Add	*91.68*	
		For 2-1/8" Mesh Fabric, Deduct	*-45.84*	
		For Gate With Single Barb Wire Arm, Add	*57.96*	
		For Gate With Double Barb Wire Arm, Add	*84.30*	
32 31 13 13-0537	EA	10' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	854.26	93.09
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-107.77*	
		For 1" Mesh Fabric, Add	*250.02*	
		For 1-1/4" Mesh Fabric, Add	*160.94*	
		For 1-3/4" Mesh Fabric, Add	*100.01*	
		For 2-1/8" Mesh Fabric, Deduct	*-50.00*	
		For Gate With Single Barb Wire Arm, Add	*63.22*	
		For Gate With Double Barb Wire Arm, Add	*91.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0538	EA	10' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,185.45	107.70
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-161.65*	
		For 1" Mesh Fabric, Add	*375.03*	
		For 1-1/4" Mesh Fabric, Add	*241.40*	
		For 1-3/4" Mesh Fabric, Add	*150.01*	
		For 2-1/8" Mesh Fabric, Deduct	*-75.01*	
		For Gate With Single Barb Wire Arm, Add	*94.84*	
		For Gate With Double Barb Wire Arm, Add	*137.94*	
32 31 13 13-0539	EA	12' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,382.63	115.85
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-193.98*	
		For 1" Mesh Fabric, Add	*450.04*	
		For 1-1/4" Mesh Fabric, Add	*289.68*	
		For 1-3/4" Mesh Fabric, Add	*180.02*	
		For 2-1/8" Mesh Fabric, Deduct	*-90.01*	
		For Gate With Single Barb Wire Arm, Add	*113.80*	
		For Gate With Double Barb Wire Arm, Add	*165.53*	
32 31 13 13-0540	EA	14' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,584.19	125.65
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-226.31*	
		For 1" Mesh Fabric, Add	*525.05*	
		For 1-1/4" Mesh Fabric, Add	*337.96*	
		For 1-3/4" Mesh Fabric, Add	*210.02*	
		For 2-1/8" Mesh Fabric, Deduct	*-105.01*	
		For Gate With Single Barb Wire Arm, Add	*132.77*	
		For Gate With Double Barb Wire Arm, Add	*193.12*	
32 31 13 13-0541	EA	16' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,790.73	136.98
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-258.64*	
		For 1" Mesh Fabric, Add	*600.05*	
		For 1-1/4" Mesh Fabric, Add	*386.24*	
		For 1-3/4" Mesh Fabric, Add	*240.02*	
		For 2-1/8" Mesh Fabric, Deduct	*-120.01*	
		For Gate With Single Barb Wire Arm, Add	*151.74*	
		For Gate With Double Barb Wire Arm, Add	*220.71*	
32 31 13 13-0542	EA	18' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,004.48	150.72
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-290.97*	
		For 1" Mesh Fabric, Add	*675.05*	
		For 1-1/4" Mesh Fabric, Add	*434.52*	
		For 1-3/4" Mesh Fabric, Add	*270.02*	
		For 2-1/8" Mesh Fabric, Deduct	*-135.01*	
		For Gate With Single Barb Wire Arm, Add	*170.70*	
		For Gate With Double Barb Wire Arm, Add	*248.30*	
32 31 13 13-0543	EA	20' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,226.95	167.41
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-323.30*	
		For 1" Mesh Fabric, Add	*750.06*	
		For 1-1/4" Mesh Fabric, Add	*482.80*	
		For 1-3/4" Mesh Fabric, Add	*300.02*	
		For 2-1/8" Mesh Fabric, Deduct	*-150.01*	
		For Gate With Single Barb Wire Arm, Add	*189.67*	
		For Gate With Double Barb Wire Arm, Add	*275.88*	
32 31 13 13-0544	EA	22' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,462.49	188.41
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-355.63*	
		For 1" Mesh Fabric, Add	*825.07*	
		For 1-1/4" Mesh Fabric, Add	*531.08*	
		For 1-3/4" Mesh Fabric, Add	*330.03*	
		For 2-1/8" Mesh Fabric, Deduct	*-165.01*	
		For Gate With Single Barb Wire Arm, Add	*208.64*	
		For Gate With Double Barb Wire Arm, Add	*303.47*	
32 31 13 13-0545	EA	24 Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,715.34	215.14
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-387.96*	
		For 1" Mesh Fabric, Add	*900.08*	
		For 1-1/4" Mesh Fabric, Add	*579.36*	
		For 1-3/4" Mesh Fabric, Add	*360.03*	
		For 2-1/8" Mesh Fabric, Deduct	*-180.02*	
		For Gate With Single Barb Wire Arm, Add	*227.61*	
		For Gate With Double Barb Wire Arm, Add	*331.06*	
32 31 13 13-0546	EA	26' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,995.94	251.17
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-420.29*	
		For 1" Mesh Fabric, Add	*975.08*	
		For 1-1/4" Mesh Fabric, Add	*627.64*	
		For 1-3/4" Mesh Fabric, Add	*390.03*	
		For 2-1/8" Mesh Fabric, Deduct	*-195.02*	
		For Gate With Single Barb Wire Arm, Add	*246.57*	
		For Gate With Double Barb Wire Arm, Add	*358.65*	
32 31 13 13-0547	EA	28' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,318.44	301.20
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-452.62*	
		For 1" Mesh Fabric, Add	*1,050.09*	
		For 1-1/4" Mesh Fabric, Add	*675.92*	
		For 1-3/4" Mesh Fabric, Add	*420.03*	
		For 2-1/8" Mesh Fabric, Deduct	*-210.02*	
		For Gate With Single Barb Wire Arm, Add	*265.54*	
		For Gate With Double Barb Wire Arm, Add	*386.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0548	EA	30' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,717.98	376.81
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-484.95*	
		For 1" Mesh Fabric, Add	*1,125.09*	
		For 1-1/4" Mesh Fabric, Add	*724.20*	
		For 1-3/4" Mesh Fabric, Add	*450.04*	
		For 2-1/8" Mesh Fabric, Deduct	*-225.02*	
		For Gate With Single Barb Wire Arm, Add	*284.51*	
		For Gate With Double Barb Wire Arm, Add	*413.83*	
32 31 13 13-0549		12' Fence Height *(32 31 13 13-0428)*		
32 31 13 13-0550	EA	3' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	436.42	45.22
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-56.36*	
		For 1" Mesh Fabric, Add	*130.75*	
		For 1-1/4" Mesh Fabric, Add	*84.16*	
		For 1-3/4" Mesh Fabric, Add	*52.30*	
		For 2-1/8" Mesh Fabric, Deduct	*-26.15*	
		For Gate With Single Barb Wire Arm, Add	*33.06*	
		For Gate With Double Barb Wire Arm, Add	*48.09*	
32 31 13 13-0551	EA	4' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	536.34	45.22
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-75.09*	
		For 1" Mesh Fabric, Add	*174.22*	
		For 1-1/4" Mesh Fabric, Add	*112.14*	
		For 1-3/4" Mesh Fabric, Add	*69.69*	
		For 2-1/8" Mesh Fabric, Deduct	*-34.84*	
		For Gate With Single Barb Wire Arm, Add	*44.06*	
		For Gate With Double Barb Wire Arm, Add	*64.08*	
32 31 13 13-0552	EA	5' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	615.66	46.87
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-89.03*	
		For 1" Mesh Fabric, Add	*206.55*	
		For 1-1/4" Mesh Fabric, Add	*132.95*	
		For 1-3/4" Mesh Fabric, Add	*82.62*	
		For 2-1/8" Mesh Fabric, Deduct	*-41.31*	
		For Gate With Single Barb Wire Arm, Add	*52.23*	
		For Gate With Double Barb Wire Arm, Add	*75.97*	
32 31 13 13-0553	EA	6' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	711.71	58.21
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-100.64*	
		For 1" Mesh Fabric, Add	*233.49*	
		For 1-1/4" Mesh Fabric, Add	*150.29*	
		For 1-3/4" Mesh Fabric, Add	*93.40*	
		For 2-1/8" Mesh Fabric, Deduct	*-46.70*	
		For Gate With Single Barb Wire Arm, Add	*59.04*	
		For Gate With Double Barb Wire Arm, Add	*85.88*	
32 31 13 13-0554	EA	7' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	814.64	69.65
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-113.54*	
		For 1" Mesh Fabric, Add	*263.42*	
		For 1-1/4" Mesh Fabric, Add	*169.56*	
		For 1-3/4" Mesh Fabric, Add	*105.37*	
		For 2-1/8" Mesh Fabric, Deduct	*-52.68*	
		For Gate With Single Barb Wire Arm, Add	*66.61*	
		For Gate With Double Barb Wire Arm, Add	*96.89*	
32 31 13 13-0555	EA	8' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	916.47	80.66
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-126.45*	
		For 1" Mesh Fabric, Add	*293.36*	
		For 1-1/4" Mesh Fabric, Add	*188.83*	
		For 1-3/4" Mesh Fabric, Add	*117.34*	
		For 2-1/8" Mesh Fabric, Deduct	*-58.67*	
		For Gate With Single Barb Wire Arm, Add	*74.18*	
		For Gate With Double Barb Wire Arm, Add	*107.90*	
32 31 13 13-0556	EA	9' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	1,019.39	91.99
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-139.35*	
		For 1" Mesh Fabric, Add	*323.29*	
		For 1-1/4" Mesh Fabric, Add	*208.10*	
		For 1-3/4" Mesh Fabric, Add	*129.32*	
		For 2-1/8" Mesh Fabric, Deduct	*-64.66*	
		For Gate With Single Barb Wire Arm, Add	*81.75*	
		For Gate With Double Barb Wire Arm, Add	*118.91*	
32 31 13 13-0557	EA	10' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	1,115.45	103.32
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-150.96*	
		For 1" Mesh Fabric, Add	*350.24*	
		For 1-1/4" Mesh Fabric, Add	*225.44*	
		For 1-3/4" Mesh Fabric, Add	*140.09*	
		For 2-1/8" Mesh Fabric, Deduct	*-70.05*	
		For Gate With Single Barb Wire Arm, Add	*88.57*	
		For Gate With Double Barb Wire Arm, Add	*128.82*	
32 31 13 13-0558	EA	10' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,566.39	119.66
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-226.37*	
		For 1" Mesh Fabric, Add	*525.17*	
		For 1-1/4" Mesh Fabric, Add	*338.04*	
		For 1-3/4" Mesh Fabric, Add	*210.07*	
		For 2-1/8" Mesh Fabric, Deduct	*-105.03*	
		For Gate With Single Barb Wire Arm, Add	*132.80*	
		For Gate With Double Barb Wire Arm, Add	*193.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0559	EA	12' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,874.70	128.83
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-279.01*	
		For 1" Mesh Fabric, Add	*647.31*	
		For 1-1/4" Mesh Fabric, Add	*416.66*	
		For 1-3/4" Mesh Fabric, Add	*258.92*	
		For 2-1/8" Mesh Fabric, Deduct	*-129.46*	
		For Gate With Single Barb Wire Arm, Add	*163.69*	
		For Gate With Double Barb Wire Arm, Add	*238.09*	
32 31 13 13-0560	EA	14' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,156.54	139.53
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-325.77*	
		For 1" Mesh Fabric, Add	*755.79*	
		For 1-1/4" Mesh Fabric, Add	*486.48*	
		For 1-3/4" Mesh Fabric, Add	*302.31*	
		For 2-1/8" Mesh Fabric, Deduct	*-151.16*	
		For Gate With Single Barb Wire Arm, Add	*191.12*	
		For Gate With Double Barb Wire Arm, Add	*277.99*	
32 31 13 13-0561	EA	16' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,442.28	152.12
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-372.22*	
		For 1" Mesh Fabric, Add	*863.55*	
		For 1-1/4" Mesh Fabric, Add	*555.85*	
		For 1-3/4" Mesh Fabric, Add	*345.42*	
		For 2-1/8" Mesh Fabric, Deduct	*-172.71*	
		For Gate With Single Barb Wire Arm, Add	*218.37*	
		For Gate With Double Barb Wire Arm, Add	*317.63*	
32 31 13 13-0562	EA	18' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,732.53	167.53
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-418.05*	
		For 1" Mesh Fabric, Add	*969.88*	
		For 1-1/4" Mesh Fabric, Add	*624.29*	
		For 1-3/4" Mesh Fabric, Add	*387.95*	
		For 2-1/8" Mesh Fabric, Deduct	*-193.98*	
		For Gate With Single Barb Wire Arm, Add	*245.26*	
		For Gate With Double Barb Wire Arm, Add	*356.74*	
32 31 13 13-0563	EA	20' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,035.68	185.99
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-464.50*	
		For 1" Mesh Fabric, Add	*1,077.64*	
		For 1-1/4" Mesh Fabric, Add	*693.66*	
		For 1-3/4" Mesh Fabric, Add	*431.06*	
		For 2-1/8" Mesh Fabric, Deduct	*-215.53*	
		For Gate With Single Barb Wire Arm, Add	*272.51*	
		For Gate With Double Barb Wire Arm, Add	*396.37*	
32 31 13 13-0564	EA	22' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,353.71	209.28
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-510.95*	
		For 1" Mesh Fabric, Add	*1,185.41*	
		For 1-1/4" Mesh Fabric, Add	*763.02*	
		For 1-3/4" Mesh Fabric, Add	*474.16*	
		For 2-1/8" Mesh Fabric, Deduct	*-237.08*	
		For Gate With Single Barb Wire Arm, Add	*299.76*	
		For Gate With Double Barb Wire Arm, Add	*436.01*	
32 31 13 13-0565	EA	24' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,690.81	239.07
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-557.40*	
		For 1" Mesh Fabric, Add	*1,293.17*	
		For 1-1/4" Mesh Fabric, Add	*832.39*	
		For 1-3/4" Mesh Fabric, Add	*517.27*	
		For 2-1/8" Mesh Fabric, Deduct	*-258.63*	
		For Gate With Single Barb Wire Arm, Add	*327.01*	
		For Gate With Double Barb Wire Arm, Add	*475.65*	
32 31 13 13-0566	EA	26' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	4,066.99	279.17
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-605.40*	
		For 1" Mesh Fabric, Add	*1,404.53*	
		For 1-1/4" Mesh Fabric, Add	*904.06*	
		For 1-3/4" Mesh Fabric, Add	*561.81*	
		For 2-1/8" Mesh Fabric, Deduct	*-280.91*	
		For Gate With Single Barb Wire Arm, Add	*355.17*	
		For Gate With Double Barb Wire Arm, Add	*516.61*	
32 31 13 13-0567	EA	28' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	4,481.48	334.68
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-651.85*	
		For 1" Mesh Fabric, Add	*1,512.29*	
		For 1-1/4" Mesh Fabric, Add	*973.43*	
		For 1-3/4" Mesh Fabric, Add	*604.92*	
		For 2-1/8" Mesh Fabric, Deduct	*-302.46*	
		For Gate With Single Barb Wire Arm, Add	*382.42*	
		For Gate With Double Barb Wire Arm, Add	*556.24*	
32 31 13 13-0568	EA	30' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	4,981.57	418.70
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-698.30*	
		For 1" Mesh Fabric, Add	*1,620.06*	
		For 1-1/4" Mesh Fabric, Add	*1,042.80*	
		For 1-3/4" Mesh Fabric, Add	*648.02*	
		For 2-1/8" Mesh Fabric, Deduct	*-324.01*	
		For Gate With Single Barb Wire Arm, Add	*409.67*	
		For Gate With Double Barb Wire Arm, Add	*595.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0569		**Chain Link Galvanized Steel Sliding Gate** *(32 31 13 13-0286)*		
		Note: Includes posts (3" diameter posts for up to 15' wide gate and 4" diameter over 15' wide), caps, upper and lower rails, track brackets, roller gate wheel carrier, track rollers, 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes truss rod, latches, track rollers with brackets, pipe track clamps and two wheel carriers. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. See CSI section 32 31 13 13-0672 for additonal gate accessories, 32 31 13 13-0757 for gate repacement parts.		
32 31 13 13-0570		**4' High Chain Link Galvanized Steel Sliding Gate** *(32 31 13 13-0569)*		
32 31 13 13-0571	EA	10' Long x 4' High Chain Link Galvanized Steel Sliding Gate	3,112.93	413.22
		For 1" Mesh Fabric, Add	*994.60*	
		For 1-1/4" Mesh Fabric, Add	*640.20*	
		For 1-3/4" Mesh Fabric, Add	*397.84*	
		For 2-1/8" Mesh Fabric, Deduct	*-198.92*	
		For Gate With Barb Wire Arm, Add	*251.51*	
		For Vinyl Coated, Add	*685.93*	
32 31 13 13-0572	EA	12' Long x 4' High Chain Link Galvanized Steel Sliding Gate	3,741.38	498.89
		For 1" Mesh Fabric, Add	*1,193.52*	
		For 1-1/4" Mesh Fabric, Add	*768.24*	
		For 1-3/4" Mesh Fabric, Add	*477.41*	
		For 2-1/8" Mesh Fabric, Deduct	*-238.70*	
		For Gate With Barb Wire Arm, Add	*301.81*	
		For Vinyl Coated, Add	*823.12*	
32 31 13 13-0573	EA	14' Long x 4' High Chain Link Galvanized Steel Sliding Gate	4,365.19	582.02
		For 1" Mesh Fabric, Add	*1,392.44*	
		For 1-1/4" Mesh Fabric, Add	*896.29*	
		For 1-3/4" Mesh Fabric, Add	*556.98*	
		For 2-1/8" Mesh Fabric, Deduct	*-278.49*	
		For Gate With Barb Wire Arm, Add	*352.11*	
		For Vinyl Coated, Add	*960.31*	
32 31 13 13-0574	EA	16' Long x 4' High Chain Link Galvanized Steel Sliding Gate	4,996.21	668.96
		For 1" Mesh Fabric, Add	*1,591.36*	
		For 1-1/4" Mesh Fabric, Add	*1,024.33*	
		For 1-3/4" Mesh Fabric, Add	*636.55*	
		For 2-1/8" Mesh Fabric, Deduct	*-318.27*	
		For Gate With Barb Wire Arm, Add	*402.41*	
		For Vinyl Coated, Add	*1,097.49*	
32 31 13 13-0575	EA	18' Long x 4' High Chain Link Galvanized Steel Sliding Gate	5,620.79	752.61
		For 1" Mesh Fabric, Add	*1,790.29*	
		For 1-1/4" Mesh Fabric, Add	*1,152.37*	
		For 1-3/4" Mesh Fabric, Add	*716.11*	
		For 2-1/8" Mesh Fabric, Deduct	*-358.06*	
		For Gate With Barb Wire Arm, Add	*452.72*	
		For Vinyl Coated, Add	*1,234.68*	
32 31 13 13-0576	EA	20' Long x 4' High Chain Link Galvanized Steel Sliding Gate	6,229.92	828.47
		For 1" Mesh Fabric, Add	*1,989.21*	
		For 1-1/4" Mesh Fabric, Add	*1,280.41*	
		For 1-3/4" Mesh Fabric, Add	*795.68*	
		For 2-1/8" Mesh Fabric, Deduct	*-397.84*	
		For Gate With Barb Wire Arm, Add	*503.02*	
		For Vinyl Coated, Add	*1,371.87*	
32 31 13 13-0577	EA	24' Long x 4' High Chain Link Galvanized Steel Sliding Gate	7,442.52	997.65
		For 1" Mesh Fabric, Add	*2,369.53*	
		For 1-1/4" Mesh Fabric, Add	*1,525.22*	
		For 1-3/4" Mesh Fabric, Add	*947.81*	
		For 2-1/8" Mesh Fabric, Deduct	*-473.91*	
		For Gate With Barb Wire Arm, Add	*599.19*	
		For Vinyl Coated, Add	*1,634.16*	
32 31 13 13-0578	EA	30' Long x 4' High Chain Link Galvanized Steel Sliding Gate	10,625.63	1,883.17
		For 1" Mesh Fabric, Add	*2,983.81*	
		For 1-1/4" Mesh Fabric, Add	*1,920.61*	
		For 1-3/4" Mesh Fabric, Add	*1,193.52*	
		For 2-1/8" Mesh Fabric, Deduct	*-596.76*	
		For Gate With Barb Wire Arm, Add	*754.53*	
		For Vinyl Coated, Add	*2,057.80*	
32 31 13 13-0579	EA	40' Long x 4' High Chain Link Galvanized Steel Sliding Gate	14,167.51	2,510.88
		For 1" Mesh Fabric, Add	*3,978.41*	
		For 1-1/4" Mesh Fabric, Add	*2,560.82*	
		For 1-3/4" Mesh Fabric, Add	*1,591.36*	
		For 2-1/8" Mesh Fabric, Deduct	*-795.68*	
		For Gate With Barb Wire Arm, Add	*1,006.03*	
		For Vinyl Coated, Add	*2,743.73*	
32 31 13 13-0580		**5' High Chain Link Galvanized Steel Sliding Gate** *(32 31 13 13-0569)*		
32 31 13 13-0581	EA	10' Long x 5' High Chain Link Galvanized Steel Sliding Gate	3,253.14	449.75
		For 1" Mesh Fabric, Add	*1,023.83*	
		For 1-1/4" Mesh Fabric, Add	*659.02*	
		For 1-3/4" Mesh Fabric, Add	*409.53*	
		For 2-1/8" Mesh Fabric, Deduct	*-204.77*	
		For Gate With Barb Wire Arm, Add	*258.90*	
		For Vinyl Coated, Add	*706.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0582	EA	12' Long x 5' High Chain Link Galvanized Steel Sliding Gate	3,902.50	539.12
		For 1" Mesh Fabric, Add	*1,228.60*	
		For 1-1/4" Mesh Fabric, Add	*790.82*	
		For 1-3/4" Mesh Fabric, Add	*491.44*	
		For 2-1/8" Mesh Fabric, Deduct	*-245.72*	
		For Gate With Barb Wire Arm, Add	*310.68*	
		For Vinyl Coated, Add	*847.31*	
32 31 13 13-0583	EA	14' Long x 5' High Chain Link Galvanized Steel Sliding Gate	4,552.70	628.86
		For 1" Mesh Fabric, Add	*1,433.37*	
		For 1-1/4" Mesh Fabric, Add	*922.63*	
		For 1-3/4" Mesh Fabric, Add	*573.35*	
		For 2-1/8" Mesh Fabric, Deduct	*-286.67*	
		For Gate With Barb Wire Arm, Add	*362.46*	
		For Vinyl Coated, Add	*988.53*	
32 31 13 13-0584	EA	16' Long x 5' High Chain Link Galvanized Steel Sliding Gate	5,203.45	718.87
		For 1" Mesh Fabric, Add	*1,638.14*	
		For 1-1/4" Mesh Fabric, Add	*1,054.43*	
		For 1-3/4" Mesh Fabric, Add	*655.25*	
		For 2-1/8" Mesh Fabric, Deduct	*-327.63*	
		For Gate With Barb Wire Arm, Add	*414.24*	
		For Vinyl Coated, Add	*1,129.75*	
32 31 13 13-0585	EA	18' Long x 5' High Chain Link Galvanized Steel Sliding Gate	5,853.59	808.49
		For 1" Mesh Fabric, Add	*1,842.90*	
		For 1-1/4" Mesh Fabric, Add	*1,186.23*	
		For 1-3/4" Mesh Fabric, Add	*737.16*	
		For 2-1/8" Mesh Fabric, Deduct	*-368.58*	
		For Gate With Barb Wire Arm, Add	*466.02*	
		For Vinyl Coated, Add	*1,270.97*	
32 31 13 13-0586	EA	20' Long x 5' High Chain Link Galvanized Steel Sliding Gate	6,504.05	898.36
		For 1" Mesh Fabric, Add	*2,047.67*	
		For 1-1/4" Mesh Fabric, Add	*1,318.04*	
		For 1-3/4" Mesh Fabric, Add	*819.07*	
		For 2-1/8" Mesh Fabric, Deduct	*-409.53*	
		For Gate With Barb Wire Arm, Add	*517.80*	
		For Vinyl Coated, Add	*1,412.18*	
32 31 13 13-0587	EA	24' Long x 5' High Chain Link Galvanized Steel Sliding Gate	7,765.86	1,079.26
		For 1" Mesh Fabric, Add	*2,439.18*	
		For 1-1/4" Mesh Fabric, Add	*1,570.04*	
		For 1-3/4" Mesh Fabric, Add	*975.67*	
		For 2-1/8" Mesh Fabric, Deduct	*-487.84*	
		For Gate With Barb Wire Arm, Add	*616.80*	
		For Vinyl Coated, Add	*1,682.19*	
32 31 13 13-0588	EA	30' Long x 5' High Chain Link Galvanized Steel Sliding Gate	9,756.55	1,347.86
		For 1" Mesh Fabric, Add	*3,071.50*	
		For 1-1/4" Mesh Fabric, Add	*1,977.06*	
		For 1-3/4" Mesh Fabric, Add	*1,228.60*	
		For 2-1/8" Mesh Fabric, Deduct	*-614.30*	
		For Gate With Barb Wire Arm, Add	*776.70*	
		For Vinyl Coated, Add	*2,118.28*	
32 31 13 13-0589	EA	40' Long x 5' High Chain Link Galvanized Steel Sliding Gate	13,008.10	1,796.72
		For 1" Mesh Fabric, Add	*4,095.33*	
		For 1-1/4" Mesh Fabric, Add	*2,636.08*	
		For 1-3/4" Mesh Fabric, Add	*1,638.13*	
		For 2-1/8" Mesh Fabric, Deduct	*-819.07*	
		For Gate With Barb Wire Arm, Add	*1,035.60*	
		For Vinyl Coated, Add	*2,824.37*	

32 31 13 13-0590 6' High Chain Link Galvanized Steel Sliding Gate *(32 31 13 13-0569)*

32 31 13 13-0591	EA	10' Long x 6' High Chain Link Galvanized Steel Sliding Gate	3,455.15	527.28
		For 1" Mesh Fabric, Add	*1,044.30*	
		For 1-1/4" Mesh Fabric, Add	*672.19*	
		For 1-3/4" Mesh Fabric, Add	*417.72*	
		For 2-1/8" Mesh Fabric, Deduct	*-208.86*	
		For Gate With Barb Wire Arm, Add	*264.07*	
		For Vinyl Coated, Add	*720.20*	
32 31 13 13-0592	EA	12' Long x 6' High Chain Link Galvanized Steel Sliding Gate	4,142.48	630.78
		For 1" Mesh Fabric, Add	*1,253.16*	
		For 1-1/4" Mesh Fabric, Add	*806.63*	
		For 1-3/4" Mesh Fabric, Add	*501.26*	
		For 2-1/8" Mesh Fabric, Deduct	*-250.63*	
		For Gate With Barb Wire Arm, Add	*316.89*	
		For Vinyl Coated, Add	*864.25*	
32 31 13 13-0593	EA	14' Long x 6' High Chain Link Galvanized Steel Sliding Gate	4,832.64	735.80
		For 1" Mesh Fabric, Add	*1,462.01*	
		For 1-1/4" Mesh Fabric, Add	*941.07*	
		For 1-3/4" Mesh Fabric, Add	*584.81*	
		For 2-1/8" Mesh Fabric, Deduct	*-292.40*	
		For Gate With Barb Wire Arm, Add	*369.70*	
		For Vinyl Coated, Add	*1,008.29*	
32 31 13 13-0594	EA	16' Long x 6' High Chain Link Galvanized Steel Sliding Gate	5,523.30	841.08
		For 1" Mesh Fabric, Add	*1,670.87*	
		For 1-1/4" Mesh Fabric, Add	*1,075.51*	
		For 1-3/4" Mesh Fabric, Add	*668.35*	
		For 2-1/8" Mesh Fabric, Deduct	*-334.17*	
		For Gate With Barb Wire Arm, Add	*422.52*	
		For Vinyl Coated, Add	*1,152.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0595	EA	18' Long x 6' High Chain Link Galvanized Steel Sliding Gate	6,213.47	946.11
		For 1" Mesh Fabric, Add	*1,879.73*	
		For 1-1/4" Mesh Fabric, Add	*1,209.94*	
		For 1-3/4" Mesh Fabric, Add	*751.89*	
		For 2-1/8" Mesh Fabric, Deduct	*-375.95*	
		For Gate With Barb Wire Arm, Add	*475.33*	
		For Vinyl Coated, Add	*1,296.37*	
32 31 13 13-0596	EA	20' Long x 6' High Chain Link Galvanized Steel Sliding Gate	6,910.74	1,054.69
		For 1" Mesh Fabric, Add	*2,088.59*	
		For 1-1/4" Mesh Fabric, Add	*1,344.38*	
		For 1-3/4" Mesh Fabric, Add	*835.44*	
		For 2-1/8" Mesh Fabric, Deduct	*-417.72*	
		For Gate With Barb Wire Arm, Add	*528.15*	
		For Vinyl Coated, Add	*1,440.41*	
32 31 13 13-0597	EA	24' Long x 6' High Chain Link Galvanized Steel Sliding Gate	8,242.68	1,261.68
		For 1" Mesh Fabric, Add	*2,487.93*	
		For 1-1/4" Mesh Fabric, Add	*1,601.42*	
		For 1-3/4" Mesh Fabric, Add	*995.17*	
		For 2-1/8" Mesh Fabric, Deduct	*-497.59*	
		For Gate With Barb Wire Arm, Add	*629.13*	
		For Vinyl Coated, Add	*1,715.81*	
32 31 13 13-0598	EA	30' Long x 6' High Chain Link Galvanized Steel Sliding Gate	10,356.96	1,577.52
		For 1" Mesh Fabric, Add	*3,132.89*	
		For 1-1/4" Mesh Fabric, Add	*2,016.57*	
		For 1-3/4" Mesh Fabric, Add	*1,253.15*	
		For 2-1/8" Mesh Fabric, Deduct	*-626.58*	
		For Gate With Barb Wire Arm, Add	*792.22*	
		For Vinyl Coated, Add	*2,160.61*	
32 31 13 13-0599	EA	40' Long x 6' High Chain Link Galvanized Steel Sliding Gate	13,807.54	2,102.38
		For 1" Mesh Fabric, Add	*4,177.18*	
		For 1-1/4" Mesh Fabric, Add	*2,688.76*	
		For 1-3/4" Mesh Fabric, Add	*1,670.87*	
		For 2-1/8" Mesh Fabric, Deduct	*-835.44*	
		For Gate With Barb Wire Arm, Add	*1,056.30*	
		For Vinyl Coated, Add	*2,880.82*	
32 31 13 13-0600		**7' High Chain Link Galvanized Steel Sliding Gate** *(32 31 13 13-0569)*		
32 31 13 13-0601	EA	10' Long x 7' High Chain Link Galvanized Steel Sliding Gate	3,671.03	588.13
		For 1" Mesh Fabric, Add	*1,085.22*	
		For 1-1/4" Mesh Fabric, Add	*698.53*	
		For 1-3/4" Mesh Fabric, Add	*434.09*	
		For 2-1/8" Mesh Fabric, Deduct	*-217.04*	
		For Gate With Barb Wire Arm, Add	*274.42*	
		For Vinyl Coated, Add	*748.43*	
32 31 13 13-0602	EA	12' Long x 7' High Chain Link Galvanized Steel Sliding Gate	4,404.34	705.25
		For 1" Mesh Fabric, Add	*1,302.30*	
		For 1-1/4" Mesh Fabric, Add	*838.26*	
		For 1-3/4" Mesh Fabric, Add	*520.92*	
		For 2-1/8" Mesh Fabric, Deduct	*-260.46*	
		For Gate With Barb Wire Arm, Add	*329.32*	
		For Vinyl Coated, Add	*898.14*	
32 31 13 13-0603	EA	14' Long x 7' High Chain Link Galvanized Steel Sliding Gate	5,139.50	823.39
		For 1" Mesh Fabric, Add	*1,519.30*	
		For 1-1/4" Mesh Fabric, Add	*977.94*	
		For 1-3/4" Mesh Fabric, Add	*607.72*	
		For 2-1/8" Mesh Fabric, Deduct	*-303.86*	
		For Gate With Barb Wire Arm, Add	*384.19*	
		For Vinyl Coated, Add	*1,047.80*	
32 31 13 13-0604	EA	16' Long x 7' High Chain Link Galvanized Steel Sliding Gate	5,872.69	940.50
		For 1" Mesh Fabric, Add	*1,736.35*	
		For 1-1/4" Mesh Fabric, Add	*1,117.65*	
		For 1-3/4" Mesh Fabric, Add	*694.54*	
		For 2-1/8" Mesh Fabric, Deduct	*-347.27*	
		For Gate With Barb Wire Arm, Add	*439.08*	
		For Vinyl Coated, Add	*1,197.49*	
32 31 13 13-0605	EA	18' Long x 7' High Chain Link Galvanized Steel Sliding Gate	6,606.96	1,058.26
		For 1" Mesh Fabric, Add	*1,953.39*	
		For 1-1/4" Mesh Fabric, Add	*1,257.36*	
		For 1-3/4" Mesh Fabric, Add	*781.36*	
		For 2-1/8" Mesh Fabric, Deduct	*-390.68*	
		For Gate With Barb Wire Arm, Add	*493.96*	
		For Vinyl Coated, Add	*1,347.17*	
32 31 13 13-0606	EA	20' Long x 7' High Chain Link Galvanized Steel Sliding Gate	7,340.43	1,175.49
		For 1" Mesh Fabric, Add	*2,170.45*	
		For 1-1/4" Mesh Fabric, Add	*1,397.07*	
		For 1-3/4" Mesh Fabric, Add	*868.18*	
		For 2-1/8" Mesh Fabric, Deduct	*-434.09*	
		For Gate With Barb Wire Arm, Add	*548.85*	
		For Vinyl Coated, Add	*1,496.86*	
32 31 13 13-0607	EA	24' Long x 7' High Chain Link Galvanized Steel Sliding Gate	8,764.58	1,410.50
		For 1" Mesh Fabric, Add	*2,585.42*	
		For 1-1/4" Mesh Fabric, Add	*1,664.18*	
		For 1-3/4" Mesh Fabric, Add	*1,034.17*	
		For 2-1/8" Mesh Fabric, Deduct	*-517.08*	
		For Gate With Barb Wire Arm, Add	*653.79*	
		For Vinyl Coated, Add	*1,783.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0608	EA	30' Long x 7' High Chain Link Galvanized Steel Sliding Gate	11,010.62	1,763.12
		For 1" Mesh Fabric, Add	*3,255.66*	
		For 1-1/4" Mesh Fabric, Add	*2,095.60*	
		For 1-3/4" Mesh Fabric, Add	*1,302.26*	
		For 2-1/8" Mesh Fabric, Deduct	*-651.13*	
		For Gate With Barb Wire Arm, Add	*823.27*	
		For Vinyl Coated, Add	*2,245.28*	
32 31 13 13-0609	EA	40' Long x 7' High Chain Link Galvanized Steel Sliding Gate	14,680.82	2,350.87
		For 1" Mesh Fabric, Add	*4,340.88*	
		For 1-1/4" Mesh Fabric, Add	*2,794.13*	
		For 1-3/4" Mesh Fabric, Add	*1,736.35*	
		For 2-1/8" Mesh Fabric, Deduct	*-868.18*	
		For Gate With Barb Wire Arm, Add	*1,097.69*	
		For Vinyl Coated, Add	*2,993.71*	
32 31 13 13-0610		8' High Chain Link Galvanized Steel Sliding Gate *(32 31 13 13-0569)*		
32 31 13 13-0611	EA	10' Long x 8' High Chain Link Galvanized Steel Sliding Gate	3,842.98	637.14
		For 1" Mesh Fabric, Add	*1,117.38*	
		For 1-1/4" Mesh Fabric, Add	*719.23*	
		For 1-3/4" Mesh Fabric, Add	*446.95*	
		For 2-1/8" Mesh Fabric, Deduct	*-223.48*	
		For Gate With Barb Wire Arm, Add	*282.56*	
		For Vinyl Coated, Add	*770.61*	
32 31 13 13-0612	EA	12' Long x 8' High Chain Link Galvanized Steel Sliding Gate	4,607.89	762.79
		For 1" Mesh Fabric, Add	*1,340.85*	
		For 1-1/4" Mesh Fabric, Add	*863.08*	
		For 1-3/4" Mesh Fabric, Add	*536.34*	
		For 2-1/8" Mesh Fabric, Deduct	*-268.17*	
		For Gate With Barb Wire Arm, Add	*339.07*	
		For Vinyl Coated, Add	*924.73*	
32 31 13 13-0613	EA	14' Long x 8' High Chain Link Galvanized Steel Sliding Gate	5,375.96	889.96
		For 1" Mesh Fabric, Add	*1,564.32*	
		For 1-1/4" Mesh Fabric, Add	*1,006.92*	
		For 1-3/4" Mesh Fabric, Add	*625.73*	
		For 2-1/8" Mesh Fabric, Deduct	*-312.86*	
		For Gate With Barb Wire Arm, Add	*395.58*	
		For Vinyl Coated, Add	*1,078.84*	
32 31 13 13-0614	EA	16' Long x 8' High Chain Link Galvanized Steel Sliding Gate	6,144.26	1,017.13
		For 1" Mesh Fabric, Add	*1,787.80*	
		For 1-1/4" Mesh Fabric, Add	*1,150.77*	
		For 1-3/4" Mesh Fabric, Add	*715.12*	
		For 2-1/8" Mesh Fabric, Deduct	*-357.56*	
		For Gate With Barb Wire Arm, Add	*452.09*	
		For Vinyl Coated, Add	*1,232.96*	
32 31 13 13-0615	EA	18' Long x 8' High Chain Link Galvanized Steel Sliding Gate	6,911.14	1,143.80
		For 1" Mesh Fabric, Add	*2,011.27*	
		For 1-1/4" Mesh Fabric, Add	*1,294.61*	
		For 1-3/4" Mesh Fabric, Add	*804.51*	
		For 2-1/8" Mesh Fabric, Deduct	*-402.25*	
		For Gate With Barb Wire Arm, Add	*508.60*	
		For Vinyl Coated, Add	*1,387.08*	
32 31 13 13-0616	EA	20' Long x 8' High Chain Link Galvanized Steel Sliding Gate	7,679.56	1,271.10
		For 1" Mesh Fabric, Add	*2,234.75*	
		For 1-1/4" Mesh Fabric, Add	*1,438.46*	
		For 1-3/4" Mesh Fabric, Add	*893.90*	
		For 2-1/8" Mesh Fabric, Deduct	*-446.95*	
		For Gate With Barb Wire Arm, Add	*565.11*	
		For Vinyl Coated, Add	*1,541.21*	
32 31 13 13-0617	EA	24' Long x 8' High Chain Link Galvanized Steel Sliding Gate	9,170.56	1,525.45
		For 1" Mesh Fabric, Add	*2,662.03*	
		For 1-1/4" Mesh Fabric, Add	*1,713.49*	
		For 1-3/4" Mesh Fabric, Add	*1,064.81*	
		For 2-1/8" Mesh Fabric, Deduct	*-532.41*	
		For Gate With Barb Wire Arm, Add	*673.16*	
		For Vinyl Coated, Add	*1,835.88*	
32 31 13 13-0618	EA	30' Long x 8' High Chain Link Galvanized Steel Sliding Gate	11,520.30	1,907.10
		For 1" Mesh Fabric, Add	*3,352.13*	
		For 1-1/4" Mesh Fabric, Add	*2,157.69*	
		For 1-3/4" Mesh Fabric, Add	*1,340.85*	
		For 2-1/8" Mesh Fabric, Deduct	*-670.43*	
		For Gate With Barb Wire Arm, Add	*847.66*	
		For Vinyl Coated, Add	*2,311.81*	
32 31 13 13-0619	EA	40' Long x 8' High Chain Link Galvanized Steel Sliding Gate	15,356.59	2,540.93
		For 1" Mesh Fabric, Add	*4,469.49*	
		For 1-1/4" Mesh Fabric, Add	*2,876.92*	
		For 1-3/4" Mesh Fabric, Add	*1,787.80*	
		For 2-1/8" Mesh Fabric, Deduct	*-893.90*	
		For Gate With Barb Wire Arm, Add	*1,130.22*	
		For Vinyl Coated, Add	*3,082.41*	
32 31 13 13-0620		9' High Chain Link Galvanized Steel Sliding Gate *(32 31 13 13-0569)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0621	EA	10' Long x 9' High Chain Link Galvanized Steel Sliding Gate	4,046.16	695.07
		For 1" Mesh Fabric, Add	*1,155.37*	
		For 1-1/4" Mesh Fabric, Add	*743.69*	
		For 1-3/4" Mesh Fabric, Add	*462.15*	
		For 2-1/8" Mesh Fabric, Deduct	*-231.07*	
		For Gate With Barb Wire Arm, Add	*292.16*	
		For Vinyl Coated, Add	*796.81*	
32 31 13 13-0622	EA	12' Long x 9' High Chain Link Galvanized Steel Sliding Gate	4,850.22	831.53
		For 1" Mesh Fabric, Add	*1,386.45*	
		For 1-1/4" Mesh Fabric, Add	*892.43*	
		For 1-3/4" Mesh Fabric, Add	*554.58*	
		For 2-1/8" Mesh Fabric, Deduct	*-277.29*	
		For Gate With Barb Wire Arm, Add	*350.60*	
		For Vinyl Coated, Add	*956.17*	
32 31 13 13-0623	EA	14' Long x 9' High Chain Link Galvanized Steel Sliding Gate	5,658.28	969.91
		For 1" Mesh Fabric, Add	*1,617.53*	
		For 1-1/4" Mesh Fabric, Add	*1,041.17*	
		For 1-3/4" Mesh Fabric, Add	*647.01*	
		For 2-1/8" Mesh Fabric, Deduct	*-323.51*	
		For Gate With Barb Wire Arm, Add	*409.03*	
		For Vinyl Coated, Add	*1,115.54*	
32 31 13 13-0624	EA	16' Long x 9' High Chain Link Galvanized Steel Sliding Gate	6,467.44	1,108.92
		For 1" Mesh Fabric, Add	*1,848.60*	
		For 1-1/4" Mesh Fabric, Add	*1,189.90*	
		For 1-3/4" Mesh Fabric, Add	*739.44*	
		For 2-1/8" Mesh Fabric, Deduct	*-369.72*	
		For Gate With Barb Wire Arm, Add	*467.46*	
		For Vinyl Coated, Add	*1,274.90*	
32 31 13 13-0625	EA	18' Long x 9' High Chain Link Galvanized Steel Sliding Gate	7,275.74	1,247.42
		For 1" Mesh Fabric, Add	*2,079.67*	
		For 1-1/4" Mesh Fabric, Add	*1,338.64*	
		For 1-3/4" Mesh Fabric, Add	*831.87*	
		For 2-1/8" Mesh Fabric, Deduct	*-415.93*	
		For Gate With Barb Wire Arm, Add	*525.89*	
		For Vinyl Coated, Add	*1,434.26*	
32 31 13 13-0626	EA	20' Long x 9' High Chain Link Galvanized Steel Sliding Gate	8,084.01	1,385.92
		For 1" Mesh Fabric, Add	*2,310.75*	
		For 1-1/4" Mesh Fabric, Add	*1,487.38*	
		For 1-3/4" Mesh Fabric, Add	*924.30*	
		For 2-1/8" Mesh Fabric, Deduct	*-462.15*	
		For Gate With Barb Wire Arm, Add	*584.33*	
		For Vinyl Coated, Add	*1,593.62*	
32 31 13 13-0627	EA	24' Long x 9' High Chain Link Galvanized Steel Sliding Gate	9,653.68	1,662.93
		For 1" Mesh Fabric, Add	*2,752.56*	
		For 1-1/4" Mesh Fabric, Add	*1,771.76*	
		For 1-3/4" Mesh Fabric, Add	*1,101.02*	
		For 2-1/8" Mesh Fabric, Deduct	*-550.51*	
		For Gate With Barb Wire Arm, Add	*696.05*	
		For Vinyl Coated, Add	*1,898.32*	
32 31 13 13-0628	EA	30' Long x 9' High Chain Link Galvanized Steel Sliding Gate	12,124.87	2,078.44
		For 1" Mesh Fabric, Add	*3,466.12*	
		For 1-1/4" Mesh Fabric, Add	*2,231.07*	
		For 1-3/4" Mesh Fabric, Add	*1,386.45*	
		For 2-1/8" Mesh Fabric, Deduct	*-693.22*	
		For Gate With Barb Wire Arm, Add	*876.49*	
		For Vinyl Coated, Add	*2,390.43*	
32 31 13 13-0629	EA	40' Long x 9' High Chain Link Galvanized Steel Sliding Gate	16,171.04	2,773.51
		For 1" Mesh Fabric, Add	*4,621.51*	
		For 1-1/4" Mesh Fabric, Add	*2,974.76*	
		For 1-3/4" Mesh Fabric, Add	*1,848.60*	
		For 2-1/8" Mesh Fabric, Deduct	*-924.30*	
		For Gate With Barb Wire Arm, Add	*1,168.66*	
		For Vinyl Coated, Add	*3,187.25*	

32 31 13 13-0630 10' High Chain Link Galvanized Steel Sliding Gate *(32 31 13 13-0569)*

32 31 13 13-0631	EA	10' Long x 10' High Chain Link Galvanized Steel Sliding Gate	4,299.41	764.57
		For 1" Mesh Fabric, Add	*1,205.07*	
		For 1-1/4" Mesh Fabric, Add	*775.68*	
		For 1-3/4" Mesh Fabric, Add	*482.03*	
		For 2-1/8" Mesh Fabric, Deduct	*-241.01*	
		For Gate With Barb Wire Arm, Add	*304.73*	
		For Vinyl Coated, Add	*831.08*	
32 31 13 13-0632	EA	12' Long x 10' High Chain Link Galvanized Steel Sliding Gate	5,159.31	917.46
		For 1" Mesh Fabric, Add	*1,446.08*	
		For 1-1/4" Mesh Fabric, Add	*930.81*	
		For 1-3/4" Mesh Fabric, Add	*578.43*	
		For 2-1/8" Mesh Fabric, Deduct	*-289.22*	
		For Gate With Barb Wire Arm, Add	*365.68*	
		For Vinyl Coated, Add	*997.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0633	EA	14' Long x 10' High Chain Link Galvanized Steel Sliding Gate	6,019.71	1,070.60
		For 1" Mesh Fabric, Add	*1,687.10*	
		For 1-1/4" Mesh Fabric, Add	*1,085.95*	
		For 1-3/4" Mesh Fabric, Add	*674.84*	
		For 2-1/8" Mesh Fabric, Deduct	*-337.42*	
		For Gate With Barb Wire Arm, Add	*426.62*	
		For Vinyl Coated, Add	*1,163.52*	
32 31 13 13-0634	EA	16' Long x 10' High Chain Link Galvanized Steel Sliding Gate	6,879.37	1,223.49
		For 1" Mesh Fabric, Add	*1,928.12*	
		For 1-1/4" Mesh Fabric, Add	*1,241.09*	
		For 1-3/4" Mesh Fabric, Add	*771.25*	
		For 2-1/8" Mesh Fabric, Deduct	*-385.62*	
		For Gate With Barb Wire Arm, Add	*487.57*	
		For Vinyl Coated, Add	*1,329.74*	
32 31 13 13-0635	EA	18' Long x 10' High Chain Link Galvanized Steel Sliding Gate	7,738.93	1,376.25
		For 1" Mesh Fabric, Add	*2,169.12*	
		For 1-1/4" Mesh Fabric, Add	*1,396.21*	
		For 1-3/4" Mesh Fabric, Add	*867.65*	
		For 2-1/8" Mesh Fabric, Deduct	*-433.82*	
		For Gate With Barb Wire Arm, Add	*548.51*	
		For Vinyl Coated, Add	*1,495.94*	
32 31 13 13-0636	EA	20' Long x 10' High Chain Link Galvanized Steel Sliding Gate	8,598.83	1,529.14
		For 1" Mesh Fabric, Add	*2,410.13*	
		For 1-1/4" Mesh Fabric, Add	*1,551.35*	
		For 1-3/4" Mesh Fabric, Add	*964.05*	
		For 2-1/8" Mesh Fabric, Deduct	*-482.03*	
		For Gate With Barb Wire Arm, Add	*609.46*	
		For Vinyl Coated, Add	*1,662.16*	
32 31 13 13-0637	EA	24' Long x 10' High Chain Link Galvanized Steel Sliding Gate	10,271.15	1,835.68
		For 1" Mesh Fabric, Add	*2,870.95*	
		For 1-1/4" Mesh Fabric, Add	*1,847.97*	
		For 1-3/4" Mesh Fabric, Add	*1,148.38*	
		For 2-1/8" Mesh Fabric, Deduct	*-574.19*	
		For Gate With Barb Wire Arm, Add	*725.99*	
		For Vinyl Coated, Add	*1,979.96*	
32 31 13 13-0638	EA	30' Long x 10' High Chain Link Galvanized Steel Sliding Gate	12,898.24	2,293.71
		For 1" Mesh Fabric, Add	*3,615.20*	
		For 1-1/4" Mesh Fabric, Add	*2,327.03*	
		For 1-3/4" Mesh Fabric, Add	*1,446.08*	
		For 2-1/8" Mesh Fabric, Deduct	*-723.04*	
		For Gate With Barb Wire Arm, Add	*914.19*	
		For Vinyl Coated, Add	*2,493.24*	
32 31 13 13-0639	EA	40' Long x 10' High Chain Link Galvanized Steel Sliding Gate	17,194.01	3,056.50
		For 1" Mesh Fabric, Add	*4,820.28*	
		For 1-1/4" Mesh Fabric, Add	*3,102.71*	
		For 1-3/4" Mesh Fabric, Add	*1,928.11*	
		For 2-1/8" Mesh Fabric, Deduct	*-964.06*	
		For Gate With Barb Wire Arm, Add	*1,218.92*	
		For Vinyl Coated, Add	*3,324.33*	

32 31 13 13-0640 Sliding Cantilever Gate, Single Track, Manually Operated Exposed Roller *(32 31 13 13-0286)*

Note: Includes posts (3" diameter posts for up to 15' wide gate and 4" diameter over 15' wide), caps, upper rail, track brackets, roller gate wheel carrier, metal track rollers for rail, 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes truss rod, latches, single track, track rollers with brackets, pipe track clamps and two wheel carriers. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. Width listed on tasks is opening width of gate. See CSI section 32 31 11 00-0021 for gate operators.

32 31 13 13-0641	EA	5' High x 10' Wide Galvanized Cantilever Sliding Gate	6,590.18	509.20
		For 1" Mesh Fabric, Add	*2,423.72*	
		For 1-1/4" Mesh Fabric, Add	*1,560.10*	
		For 1-3/4" Mesh Fabric, Add	*969.49*	
		For 2-1/8" Mesh Fabric, Deduct	*-484.74*	
		For Gate With Single Barb Wire Arm, Add	*612.89*	
		For Gate With Double Barb Wire Arm, Add	*891.48*	
		For Aluminized Steel Gate And Post, Add	*2,674.45*	
		For Powder Coated Gate And Post, Add	*1,170.07*	
		For Vinyl Coated, Add	*1,671.53*	
32 31 13 13-0642	EA	5' High x 12' Wide Galvanized Cantilever Sliding Gate	7,224.07	636.51
		For 1" Mesh Fabric, Add	*2,588.71*	
		For 1-1/4" Mesh Fabric, Add	*1,666.30*	
		For 1-3/4" Mesh Fabric, Add	*1,035.48*	
		For 2-1/8" Mesh Fabric, Deduct	*-517.74*	
		For Gate With Single Barb Wire Arm, Add	*654.62*	
		For Gate With Double Barb Wire Arm, Add	*952.17*	
		For Aluminized Steel Gate And Post, Add	*2,856.51*	
		For Powder Coated Gate And Post, Add	*1,249.72*	
		For Vinyl Coated, Add	*1,785.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0643	EA	5' High x 15' Wide Galvanized Cantilever Sliding Gate	7,863.17	763.81
		For 1" Mesh Fabric, Add	*2,755.97*	
		For 1-1/4" Mesh Fabric, Add	*1,773.96*	
		For 1-3/4" Mesh Fabric, Add	*1,102.39*	
		For 2-1/8" Mesh Fabric, Deduct	*-551.19*	
		For Gate With Single Barb Wire Arm, Add	*696.91*	
		For Gate With Double Barb Wire Arm, Add	*1,013.69*	
		For Aluminized Steel Gate And Post, Add	*3,041.07*	
		For Powder Coated Gate And Post, Add	*1,330.47*	
		For Vinyl Coated, Add	*1,900.67*	
32 31 13 13-0644	EA	5' High x 20' Wide Galvanized Cantilever Sliding Gate	9,217.11	1,018.41
		For 1" Mesh Fabric, Add	*3,123.43*	
		For 1-1/4" Mesh Fabric, Add	*2,010.48*	
		For 1-3/4" Mesh Fabric, Add	*1,249.37*	
		For 2-1/8" Mesh Fabric, Deduct	*-624.69*	
		For Gate With Single Barb Wire Arm, Add	*789.83*	
		For Gate With Double Barb Wire Arm, Add	*1,148.85*	
		For Aluminized Steel Gate And Post, Add	*3,446.54*	
		For Powder Coated Gate And Post, Add	*1,507.86*	
		For Vinyl Coated, Add	*2,154.09*	
32 31 13 13-0645	EA	6' High x 15' Wide Galvanized Cantilever Sliding Gate	8,561.70	1,018.41
		For 1" Mesh Fabric, Add	*2,838.32*	
		For 1-1/4" Mesh Fabric, Add	*1,826.97*	
		For 1-3/4" Mesh Fabric, Add	*1,135.33*	
		For 2-1/8" Mesh Fabric, Deduct	*-567.66*	
		For Gate With Single Barb Wire Arm, Add	*717.74*	
		For Gate With Double Barb Wire Arm, Add	*1,043.98*	
		For Aluminized Steel Gate And Post, Add	*3,131.94*	
		For Powder Coated Gate And Post, Add	*1,370.22*	
		For Vinyl Coated, Add	*1,957.46*	
32 31 13 13-0646	EA	6' High x 20' Wide Galvanized Cantilever Sliding Gate	10,021.64	1,336.66
		For 1" Mesh Fabric, Add	*3,196.51*	
		For 1-1/4" Mesh Fabric, Add	*2,057.53*	
		For 1-3/4" Mesh Fabric, Add	*1,278.61*	
		For 2-1/8" Mesh Fabric, Deduct	*-639.30*	
		For Gate With Single Barb Wire Arm, Add	*808.31*	
		For Gate With Double Barb Wire Arm, Add	*1,175.73*	
		For Aluminized Steel Gate And Post, Add	*3,527.19*	
		For Powder Coated Gate And Post, Add	*1,543.15*	
		For Vinyl Coated, Add	*2,204.49*	
32 31 13 13-0647	EA	6' High x 25' Wide Galvanized Cantilever Sliding Gate	13,297.23	1,654.92
		For 1" Mesh Fabric, Add	*4,344.52*	
		For 1-1/4" Mesh Fabric, Add	*2,796.47*	
		For 1-3/4" Mesh Fabric, Add	*1,737.81*	
		For 2-1/8" Mesh Fabric, Deduct	*-868.90*	
		For Gate With Single Barb Wire Arm, Add	*1,098.61*	
		For Gate With Double Barb Wire Arm, Add	*1,597.98*	
		For Aluminized Steel Gate And Post, Add	*4,793.95*	
		For Powder Coated Gate And Post, Add	*2,097.35*	
		For Vinyl Coated, Add	*2,996.22*	
32 31 13 13-0648	EA	6' High x 30' Wide Galvanized Cantilever Sliding Gate	14,968.68	1,973.16
		For 1" Mesh Fabric, Add	*4,794.72*	
		For 1-1/4" Mesh Fabric, Add	*3,086.26*	
		For 1-3/4" Mesh Fabric, Add	*1,917.89*	
		For 2-1/8" Mesh Fabric, Deduct	*-958.94*	
		For Gate With Single Barb Wire Arm, Add	*1,212.46*	
		For Gate With Double Barb Wire Arm, Add	*1,763.57*	
		For Aluminized Steel Gate And Post, Add	*5,290.72*	
		For Powder Coated Gate And Post, Add	*2,314.69*	
		For Vinyl Coated, Add	*3,306.70*	
32 31 13 13-0649	EA	6' High x 36' Wide Galvanized Cantilever Sliding Gate	17,555.05	2,164.12
		For 1" Mesh Fabric, Add	*5,753.66*	
		For 1-1/4" Mesh Fabric, Add	*3,703.51*	
		For 1-3/4" Mesh Fabric, Add	*2,301.46*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,150.73*	
		For Gate With Single Barb Wire Arm, Add	*1,454.95*	
		For Gate With Double Barb Wire Arm, Add	*2,116.29*	
		For Aluminized Steel Gate And Post, Add	*6,348.87*	
		For Powder Coated Gate And Post, Add	*2,777.63*	
		For Vinyl Coated, Add	*3,968.04*	
32 31 13 13-0650	EA	8' High x 15' Wide Galvanized Cantilever Sliding Gate	10,011.18	1,273.01
		For 1" Mesh Fabric, Add	*3,247.34*	
		For 1-1/4" Mesh Fabric, Add	*2,090.24*	
		For 1-3/4" Mesh Fabric, Add	*1,298.94*	
		For 2-1/8" Mesh Fabric, Deduct	*-649.47*	
		For Gate With Single Barb Wire Arm, Add	*821.17*	
		For Gate With Double Barb Wire Arm, Add	*1,194.43*	
		For Aluminized Steel Gate And Post, Add	*3,583.28*	
		For Powder Coated Gate And Post, Add	*1,567.68*	
		For Vinyl Coated, Add	*2,239.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0651	EA	8' High x 20' Wide Galvanized Cantilever Sliding Gate	11,843.00	1,718.56
		For 1" Mesh Fabric, Add	*3,656.55*	
		For 1-1/4" Mesh Fabric, Add	*2,353.64*	
		For 1-3/4" Mesh Fabric, Add	*1,462.62*	
		For 2-1/8" Mesh Fabric, Deduct	*-731.31*	
		For Gate With Single Barb Wire Arm, Add	*924.64*	
		For Gate With Double Barb Wire Arm, Add	*1,344.94*	
		For Aluminized Steel Gate And Post, Add	*4,034.81*	
		For Powder Coated Gate And Post, Add	*1,765.23*	
		For Vinyl Coated, Add	*2,521.76*	
32 31 13 13-0652	EA	8' High x 25' Wide Galvanized Cantilever Sliding Gate	15,752.94	2,164.12
		For 1" Mesh Fabric, Add	*4,969.74*	
		For 1-1/4" Mesh Fabric, Add	*3,198.92*	
		For 1-3/4" Mesh Fabric, Add	*1,987.90*	
		For 2-1/8" Mesh Fabric, Deduct	*-993.95*	
		For Gate With Single Barb Wire Arm, Add	*1,256.72*	
		For Gate With Double Barb Wire Arm, Add	*1,827.95*	
		For Aluminized Steel Gate And Post, Add	*5,483.86*	
		For Powder Coated Gate And Post, Add	*2,399.19*	
		For Vinyl Coated, Add	*3,427.41*	
32 31 13 13-0653	EA	8' High x 30' Wide Galvanized Cantilever Sliding Gate	17,699.18	2,546.02
		For 1" Mesh Fabric, Add	*5,484.11*	
		For 1-1/4" Mesh Fabric, Add	*3,530.00*	
		For 1-3/4" Mesh Fabric, Add	*2,193.64*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,096.82*	
		For Gate With Single Barb Wire Arm, Add	*1,386.79*	
		For Gate With Double Barb Wire Arm, Add	*2,017.14*	
		For Aluminized Steel Gate And Post, Add	*6,051.43*	
		For Powder Coated Gate And Post, Add	*2,647.50*	
		For Vinyl Coated, Add	*3,782.14*	
32 31 13 13-0654	EA	8' High x 36' Wide Galvanized Cantilever Sliding Gate	20,729.82	2,800.62
		For 1" Mesh Fabric, Add	*6,580.93*	
		For 1-1/4" Mesh Fabric, Add	*4,236.00*	
		For 1-3/4" Mesh Fabric, Add	*2,632.37*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,316.19*	
		For Gate With Single Barb Wire Arm, Add	*1,664.14*	
		For Gate With Double Barb Wire Arm, Add	*2,420.57*	
		For Aluminized Steel Gate And Post, Add	*7,261.71*	
		For Powder Coated Gate And Post, Add	*3,177.00*	
		For Vinyl Coated, Add	*4,538.57*	
32 31 13 13-0655	EA	10' High x 15' Wide Galvanized Cantilever Sliding Gate	11,453.53	1,527.61
		For 1" Mesh Fabric, Add	*3,653.26*	
		For 1-1/4" Mesh Fabric, Add	*2,351.52*	
		For 1-3/4" Mesh Fabric, Add	*1,461.30*	
		For 2-1/8" Mesh Fabric, Deduct	*-730.65*	
		For Gate With Single Barb Wire Arm, Add	*923.81*	
		For Gate With Double Barb Wire Arm, Add	*1,343.73*	
		For Aluminized Steel Gate And Post, Add	*4,031.18*	
		For Powder Coated Gate And Post, Add	*1,763.64*	
		For Vinyl Coated, Add	*2,519.49*	
32 31 13 13-0656	EA	10' High x 20' Wide Galvanized Cantilever Sliding Gate	13,297.85	1,973.16
		For 1" Mesh Fabric, Add	*4,067.91*	
		For 1-1/4" Mesh Fabric, Add	*2,618.42*	
		For 1-3/4" Mesh Fabric, Add	*1,627.16*	
		For 2-1/8" Mesh Fabric, Deduct	*-813.58*	
		For Gate With Single Barb Wire Arm, Add	*1,028.67*	
		For Gate With Double Barb Wire Arm, Add	*1,496.24*	
		For Aluminized Steel Gate And Post, Add	*4,488.72*	
		For Powder Coated Gate And Post, Add	*1,963.82*	
		For Vinyl Coated, Add	*2,805.45*	
32 31 13 13-0657	EA	10' High x 25' Wide Galvanized Cantilever Sliding Gate	17,435.63	2,291.42
		For 1" Mesh Fabric, Add	*5,590.96*	
		For 1-1/4" Mesh Fabric, Add	*3,598.78*	
		For 1-3/4" Mesh Fabric, Add	*2,236.39*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,118.19*	
		For Gate With Single Barb Wire Arm, Add	*1,413.81*	
		For Gate With Double Barb Wire Arm, Add	*2,056.45*	
		For Aluminized Steel Gate And Post, Add	*6,169.34*	
		For Powder Coated Gate And Post, Add	*2,699.09*	
		For Vinyl Coated, Add	*3,855.84*	
32 31 13 13-0658	EA	10' High x 30' Wide Galvanized Cantilever Sliding Gate	19,529.67	2,673.33
		For 1" Mesh Fabric, Add	*6,169.62*	
		For 1-1/4" Mesh Fabric, Add	*3,971.25*	
		For 1-3/4" Mesh Fabric, Add	*2,467.85*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,233.92*	
		For Gate With Single Barb Wire Arm, Add	*1,560.13*	
		For Gate With Double Barb Wire Arm, Add	*2,269.28*	
		For Aluminized Steel Gate And Post, Add	*6,807.85*	
		For Powder Coated Gate And Post, Add	*2,978.44*	
		For Vinyl Coated, Add	*4,254.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0659	EA	10' High x 36' Wide Galvanized Cantilever Sliding Gate	22,875.49	2,927.93
		For 1" Mesh Fabric, Add	*7,403.54*	
		For 1-1/4" Mesh Fabric, Add	*4,765.50*	
		For 1-3/4" Mesh Fabric, Add	*2,961.42*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,480.71*	
		For Gate With Single Barb Wire Arm, Add	*1,872.16*	
		For Gate With Double Barb Wire Arm, Add	*2,723.14*	
		For Aluminized Steel Gate And Post, Add	*8,169.43*	
		For Powder Coated Gate And Post, Add	*3,574.12*	
		For Vinyl Coated, Add	*5,105.89*	
32 31 13 13-0660	EA	12' High x 15' Wide Galvanized Cantilever Sliding Gate	13,515.09	1,718.56
		For 1" Mesh Fabric, Add	*4,383.91*	
		For 1-1/4" Mesh Fabric, Add	*2,821.83*	
		For 1-3/4" Mesh Fabric, Add	*1,753.57*	
		For 2-1/8" Mesh Fabric, Deduct	*-876.78*	
		For Gate With Single Barb Wire Arm, Add	*1,108.58*	
		For Gate With Double Barb Wire Arm, Add	*1,612.47*	
		For Aluminized Steel Gate And Post, Add	*4,837.42*	
		For Powder Coated Gate And Post, Add	*2,116.37*	
		For Vinyl Coated, Add	*3,023.39*	
32 31 13 13-0661	EA	12' High x 20' Wide Galvanized Cantilever Sliding Gate	15,676.14	2,164.12
		For 1" Mesh Fabric, Add	*4,936.34*	
		For 1-1/4" Mesh Fabric, Add	*3,177.41*	
		For 1-3/4" Mesh Fabric, Add	*1,974.53*	
		For 2-1/8" Mesh Fabric, Deduct	*-987.27*	
		For Gate With Single Barb Wire Arm, Add	*1,248.27*	
		For Gate With Double Barb Wire Arm, Add	*1,815.66*	
		For Aluminized Steel Gate And Post, Add	*5,446.99*	
		For Powder Coated Gate And Post, Add	*2,383.06*	
		For Vinyl Coated, Add	*3,404.37*	
32 31 13 13-0662	EA	12' High x 25' Wide Galvanized Cantilever Sliding Gate	20,388.09	2,482.37
		For 1" Mesh Fabric, Add	*6,709.15*	
		For 1-1/4" Mesh Fabric, Add	*4,318.54*	
		For 1-3/4" Mesh Fabric, Add	*2,683.66*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,341.83*	
		For Gate With Single Barb Wire Arm, Add	*1,696.57*	
		For Gate With Double Barb Wire Arm, Add	*2,467.73*	
		For Aluminized Steel Gate And Post, Add	*7,403.20*	
		For Powder Coated Gate And Post, Add	*3,238.90*	
		For Vinyl Coated, Add	*4,627.00*	
32 31 13 13-0663	EA	12' High x 30' Wide Galvanized Cantilever Sliding Gate	22,620.89	2,800.62
		For 1" Mesh Fabric, Add	*7,403.54*	
		For 1-1/4" Mesh Fabric, Add	*4,765.50*	
		For 1-3/4" Mesh Fabric, Add	*2,961.42*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,480.71*	
		For Gate With Single Barb Wire Arm, Add	*1,872.16*	
		For Gate With Double Barb Wire Arm, Add	*2,723.14*	
		For Aluminized Steel Gate And Post, Add	*8,169.43*	
		For Powder Coated Gate And Post, Add	*3,574.12*	
		For Vinyl Coated, Add	*5,105.89*	
32 31 13 13-0664	EA	12' High x 36' Wide Galvanized Cantilever Sliding Gate	25,651.51	3,055.23
		For 1" Mesh Fabric, Add	*8,500.36*	
		For 1-1/4" Mesh Fabric, Add	*5,471.50*	
		For 1-3/4" Mesh Fabric, Add	*3,400.14*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,700.07*	
		For Gate With Single Barb Wire Arm, Add	*2,149.52*	
		For Gate With Double Barb Wire Arm, Add	*3,126.57*	
		For Aluminized Steel Gate And Post, Add	*9,379.71*	
		For Powder Coated Gate And Post, Add	*4,103.62*	
		For Vinyl Coated, Add	*5,862.32*	

32 31 13 13-0665 Sliding Cantilever Gate, Double Track, Manually Operated Exposed Roller

(32 31 13 13-0286)

Note: Includes 4" posts, caps, rails, wheel, rollers, 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes truss rod, latches, upper and lower tracks, track brackets, metal track rollers with brackets for rails, pipe track clamps and two wheel carriers. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. Width listed on tasks is opening width of gate. See CSI section 32 31 11 00-0021 for gate operators.

32 31 13 13-0666	EA	6' High x 32' Wide Galvanized Cantilever Sliding Gate, Double Track	23,000.14	2,673.33
		For Gate With Single Barb Wire Arm, Add	*2,081.92*	
		For Gate With Double Barb Wire Arm, Add	*3,028.24*	
		For Aluminized Steel Gate And Post, Add	*9,084.72*	
		For Powder Coated Gate And Post, Add	*3,974.57*	
		For Vinyl Coated, Add	*5,677.95*	
32 31 13 13-0667	EA	6' High x 36' Wide Galvanized Cantilever Sliding Gate, Double Track	25,141.16	2,227.77
		For Gate With Single Barb Wire Arm, Add	*2,275.42*	
		For Gate With Double Barb Wire Arm, Add	*3,309.70*	
		For Aluminized Steel Gate And Post, Add	*9,929.10*	
		For Powder Coated Gate And Post, Add	*4,343.98*	
		For Vinyl Coated, Add	*6,205.69*	
32 31 13 13-0668	EA	6' High x 40' Wide Galvanized Cantilever Sliding Gate, Double Track	33,494.66	2,673.33
		For Gate With Single Barb Wire Arm, Add	*3,096.28*	
		For Gate With Double Barb Wire Arm, Add	*4,503.68*	
		For Aluminized Steel Gate And Post, Add	*13,511.05*	
		For Powder Coated Gate And Post, Add	*5,911.08*	
		For Vinyl Coated, Add	*8,444.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0669	EA	8' High x 32' Wide Galvanized Cantilever Sliding Gate, Double Track	28,058.45	2,673.33
		For Gate With Single Barb Wire Arm, Add	*2,498.30*	
		For Gate With Double Barb Wire Arm, Add	*3,633.89*	
		For Aluminized Steel Gate And Post, Add	*10,901.67*	
		For Powder Coated Gate And Post, Add	*4,769.48*	
		For Vinyl Coated, Add	*6,813.54*	
32 31 13 13-0670	EA	8' High x 36' Wide Galvanized Cantilever Sliding Gate, Double Track	30,678.59	2,927.93
		For Gate With Single Barb Wire Arm, Add	*2,730.50*	
		For Gate With Double Barb Wire Arm, Add	*3,971.64*	
		For Aluminized Steel Gate And Post, Add	*11,914.92*	
		For Powder Coated Gate And Post, Add	*5,212.78*	
		For Vinyl Coated, Add	*7,446.82*	
32 31 13 13-0671	EA	8' High x 40' Wide Galvanized Cantilever Sliding Gate, Double Track	34,513.07	3,182.53
		For Gate With Single Barb Wire Arm, Add	*3,096.28*	
		For Gate With Double Barb Wire Arm, Add	*4,503.68*	
		For Aluminized Steel Gate And Post, Add	*13,511.05*	
		For Powder Coated Gate And Post, Add	*5,911.08*	
		For Vinyl Coated, Add	*8,444.41*	

32 31 13 13-0672 Gate Accessories *(32 31 13 13-0286)*

32 31 13 13-0673	EA	3" Wheel Diameter, 1" Wheel Width, Black Rubber, Spring-loaded Gate Caster Note: 100 Lb. max weight capacity	61.58	13.79
32 31 13 13-0674	EA	4" Wheel Diameter, 1-1/4" Wheel Width, Black Rubber, Spring-loaded Gate Caster Note: 225 Lb. max weight capacity	71.83	13.79
32 31 13 13-0675	EA	6" Wheel Diameter, 2" Wheel Width, Black Rubber, Spring-loaded Gate Caster Note: 550 Lb. max weight capacity	137.67	13.79
32 31 13 13-0676	EA	Gate Center Stop, Cast Steel, Ground	43.47	
32 31 13 13-0677	EA	Gate Latch, Malleable Galvanized Steel	57.16	
32 31 13 13-0678	EA	Gate Keeper, Full Length, Galvanized Steel	262.99	
32 31 13 13-0679	EA	Gate Keeper Hold-Open For Cantilever Gate	110.71	20.90
32 31 13 13-0680	EA	Heavy-Duty Gate Latch, Malleable Galvanized Steel	63.01	
32 31 13 13-0681	EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For 3' To 5' High Gate	1,142.50	
32 31 13 13-0682	EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For >5' To 8' High Gate	1,224.77	
32 31 13 13-0683	EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For >8' To 12' High Gate	1,307.04	
32 31 13 13-0684	LF	Aluminum V-Groove Gate Track	61.42	12.10
32 31 13 13-0685	LF	Galvanized Steel V-Groove Gate Track	46.16	12.10

32 31 13 13-0686 Vertical-Pivot Lift Gate *(32 31 13 13-0286)*

Note: Includes 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes operator. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. Width listed on tasks is opening width of gate.

32 31 13 13-0687	EA	5' High x 12' Wide Galvanized Vertical-Pivot Lift Gate	25,529.88	954.76
		For Curb Notch, Add	*239.00*	
		For Prewired Loop Kit, Add	*245.00*	
32 31 13 13-0688	EA	5' High x 14' Wide Galvanized Vertical-Pivot Lift Gate	25,911.78	1,145.71
		For Curb Notch, Add	*239.00*	
		For Prewired Loop Kit, Add	*245.00*	
32 31 13 13-0689	EA	5' High x 16' Wide Galvanized Vertical-Pivot Lift Gate	26,293.69	1,336.66
		For Curb Notch, Add	*239.00*	
		For Prewired Loop Kit, Add	*245.00*	
		For Wind Bracing, Add	*287.50*	
32 31 13 13-0690	EA	5' High x 18' Wide Galvanized Vertical-Pivot Lift Gate	26,971.77	1,527.61
		For Curb Notch, Add	*239.00*	
		For Prewired Loop Kit, Add	*245.00*	
		For Wind Bracing, Add	*317.50*	
32 31 13 13-0691	EA	5' High x 20' Wide Galvanized Vertical-Pivot Lift Gate	27,635.04	1,718.56
		For Curb Notch, Add	*239.00*	
		For Prewired Loop Kit, Add	*245.00*	
		For Wind Bracing, Add	*317.50*	
32 31 13 13-0692	EA	6' High x 12' Wide Galvanized Vertical-Pivot Lift Gate	26,680.28	1,241.18
		For Curb Notch, Add	*239.00*	
		For Prewired Loop Kit, Add	*245.00*	
32 31 13 13-0693	EA	6' High x 14' Wide Galvanized Vertical-Pivot Lift Gate	27,062.19	1,432.13
		For Curb Notch, Add	*239.00*	
		For Prewired Loop Kit, Add	*245.00*	
32 31 13 13-0694	EA	6' High x 16' Wide Galvanized Vertical-Pivot Lift Gate	27,444.08	1,623.09
		For Curb Notch, Add	*239.00*	
		For Prewired Loop Kit, Add	*245.00*	
		For Wind Bracing, Add	*287.50*	
32 31 13 13-0695	EA	6' High x 18' Wide Galvanized Vertical-Pivot Lift Gate	27,988.88	1,814.04
		For Curb Notch, Add	*239.00*	
		For Prewired Loop Kit, Add	*245.00*	
		For Wind Bracing, Add	*317.50*	
32 31 13 13-0696	EA	6' High x 20' Wide Galvanized Vertical-Pivot Lift Gate	28,785.44	2,004.99
		For Curb Notch, Add	*239.00*	
		For Prewired Loop Kit, Add	*245.00*	
		For Wind Bracing, Add	*317.50*	

32 31 13 13-0697 Accessories *(32 31 13 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0698		**Barbed And Concertina Wire** *(32 31 13 13-0697)*		
32 31 13 13-0699		**Single Strand Barbed Wire** *(32 31 13 13-0698)*		
32 31 13 13-0700	LF	12-1/2 Gauge, 4 Points, 5" O. C., ASTM A121, Class 1, Galvanized Barbed Wire, Per Strand Note: Includes clips. 4 points 12-1/2 Gauge, Class I.	1.23	0.55
		For >500 To 2,000, Deduct	*-0.06*	
		For >2,000 To 5,000, Deduct	*-0.09*	
32 31 13 13-0701	LF	12-1/2 Gauge, 4 Points, 5" O. C., ASTM A121, Class 3, Galvanized Barbed Wire, Per Strand	1.27	0.55
		For >500 To 2,000, Deduct	*-0.06*	
		For >2,000 To 5,000, Deduct	*-0.09*	
32 31 13 13-0702	LF	Vinyl Coated Barbed Wire (Fused), Per Strand Note: Includes clips.	1.36	0.55
		For >500 To 2,000, Deduct	*-0.06*	
		For >2,000 To 5,000, Deduct	*-0.09*	
32 31 13 13-0703	EA	Chain Link 2-1/2" (2-3/8" OD) x 1-5/8", 3 Strand, 45 Degree, Galvanized Steel, Barbed Wire Single Arm Mounted On Top Of Post	16.45	8.80
32 31 13 13-0704	EA	Chain Link 2-1/2" (2-3/8" OD) x 1-5/8", 6 Strand, 45 Degree, Galvanized Steel, Barbed Wire V-Barb Arm Mounted On Top Of Post	27.60	10.56
32 31 13 13-0705	EA	Barbed Wire Eye Tops (For Single Strand) Mounted On Top Of Post	14.10	8.80
32 31 13 13-0706		**Galvanized Steel Concertina (Razor) Wire, Single Coil** *(32 31 13 13-0698)*		
32 31 13 13-0707	LF	18" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	5.77	0.77
		For >500 To 1,500, Deduct	*-0.49*	
		For >1,500 To 5,000, Deduct	*-0.98*	
		For >5,000, Deduct	*-1.37*	
		For Ground Installation, Deduct	*-0.55*	
		For Double Coil (Helix), Add	*4.67*	
32 31 13 13-0708	LF	18" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	8.71	0.77
		For >500 To 1,500, Deduct	*-0.74*	
		For >1,500 To 5,000, Deduct	*-1.47*	
		For >5,000, Deduct	*-2.07*	
		For Ground Installation, Deduct	*-0.83*	
		For Double Coil (Helix), Add	*7.06*	
32 31 13 13-0709	LF	18" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	11.55	0.77
		For >500 To 1,500, Deduct	*-0.98*	
		For >1,500 To 5,000, Deduct	*-1.95*	
		For >5,000, Deduct	*-2.75*	
		For Ground Installation, Deduct	*-1.10*	
		For Double Coil (Helix), Add	*9.35*	
32 31 13 13-0710	LF	24" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	10.05	0.77
		For >500 To 1,500, Deduct	*-0.81*	
		For >1,500 To 5,000, Deduct	*-1.63*	
		For >5,000, Deduct	*-2.25*	
		For Ground Installation, Deduct	*-0.61*	
		For Double Coil (Helix), Add	*8.83*	
32 31 13 13-0711	LF	24" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	15.20	0.77
		For >500 To 1,500, Deduct	*-1.23*	
		For >1,500 To 5,000, Deduct	*-2.46*	
		For >5,000, Deduct	*-3.41*	
		For Ground Installation, Deduct	*-0.92*	
		For Double Coil (Helix), Add	*13.37*	
32 31 13 13-0712	LF	24" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	20.08	0.77
		For >500 To 1,500, Deduct	*-1.63*	
		For >1,500 To 5,000, Deduct	*-3.26*	
		For >5,000, Deduct	*-4.50*	
		For Ground Installation, Deduct	*-1.22*	
		For Double Coil (Helix), Add	*17.65*	
32 31 13 13-0713	LF	30" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	32.61	0.77
		For >500 To 1,500, Deduct	*-2.51*	
		For >1,500 To 5,000, Deduct	*-5.03*	
		For >5,000, Deduct	*-6.80*	
		For Ground Installation, Deduct	*-0.69*	
		For Double Coil (Helix), Add	*31.24*	
32 31 13 13-0714	LF	30" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	49.37	0.77
		For >500 To 1,500, Deduct	*-3.81*	
		For >1,500 To 5,000, Deduct	*-7.61*	
		For >5,000, Deduct	*-10.29*	
		For Ground Installation, Deduct	*-1.03*	
		For Double Coil (Helix), Add	*47.31*	
32 31 13 13-0715	LF	30" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	65.23	0.77
		For >500 To 1,500, Deduct	*-5.03*	
		For >1,500 To 5,000, Deduct	*-10.06*	
		For >5,000, Deduct	*-13.60*	
		For Ground Installation, Deduct	*-1.38*	
		For Double Coil (Helix), Add	*62.48*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0716		Stainless Steel Concertina (Razor) Wire, Single Coil *(32 31 13 13-0698)*		
32 31 13 13-0717	LF	18" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	10.90	0.77
		For >500 To 1,500, Deduct	*-0.87*	
		For >1,500 To 5,000, Deduct	*-1.75*	
		For >5,000, Deduct	*-2.40*	
		For Ground Installation, Deduct	*-0.55*	
		For Double Coil (Helix), Add	*9.80*	
32 31 13 13-0718	LF	18" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	16.48	0.77
		For >500 To 1,500, Deduct	*-1.32*	
		For >1,500 To 5,000, Deduct	*-2.64*	
		For >5,000, Deduct	*-3.63*	
		For Ground Installation, Deduct	*-0.83*	
		For Double Coil (Helix), Add	*14.83*	
32 31 13 13-0719	LF	18" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	21.80	0.77
		For >500 To 1,500, Deduct	*-1.75*	
		For >1,500 To 5,000, Deduct	*-3.49*	
		For >5,000, Deduct	*-4.80*	
		For Ground Installation, Deduct	*-1.10*	
		For Double Coil (Helix), Add	*19.60*	
32 31 13 13-0720	LF	24" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	14.40	0.77
		For >500 To 1,500, Deduct	*-1.14*	
		For >1,500 To 5,000, Deduct	*-2.28*	
		For >5,000, Deduct	*-3.12*	
		For Ground Installation, Deduct	*-0.61*	
		For Double Coil (Helix), Add	*13.18*	
32 31 13 13-0721	LF	24" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	21.79	0.77
		For >500 To 1,500, Deduct	*-1.73*	
		For >1,500 To 5,000, Deduct	*-3.45*	
		For >5,000, Deduct	*-4.73*	
		For Ground Installation, Deduct	*-0.92*	
		For Double Coil (Helix), Add	*19.96*	
32 31 13 13-0722	LF	24" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	28.78	0.77
		For >500 To 1,500, Deduct	*-2.28*	
		For >1,500 To 5,000, Deduct	*-4.56*	
		For >5,000, Deduct	*-6.24*	
		For Ground Installation, Deduct	*-1.22*	
		For Double Coil (Helix), Add	*26.35*	
32 31 13 13-0723	LF	30" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	49.07	0.77
		For >500 To 1,500, Deduct	*-3.75*	
		For >1,500 To 5,000, Deduct	*-7.50*	
		For >5,000, Deduct	*-10.09*	
		For Ground Installation, Deduct	*-0.69*	
		For Double Coil (Helix), Add	*47.70*	
32 31 13 13-0724	LF	30" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	74.32	0.77
		For >500 To 1,500, Deduct	*-5.68*	
		For >1,500 To 5,000, Deduct	*-11.35*	
		For >5,000, Deduct	*-15.28*	
		For Ground Installation, Deduct	*-1.03*	
		For Double Coil (Helix), Add	*72.26*	
32 31 13 13-0725	LF	30" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	98.15	0.77
		For >500 To 1,500, Deduct	*-7.50*	
		For >1,500 To 5,000, Deduct	*-15.00*	
		For >5,000, Deduct	*-20.18*	
		For Ground Installation, Deduct	*-1.38*	
		For Double Coil (Helix), Add	*95.40*	
32 31 13 13-0726		Grounding For Gates *(32 31 13 13-0697)*		
		Note: Includes two of each of the following per opening: 5/8 ground rods, clamps, braided straps and #6 bare copper wire.		
32 31 13 13-0727	OPNG	Grounding For Gates (Per Opening)	496.20	
32 31 13 13-0728		Coiled Spring Reinforcing Wire *(32 31 13 13-0697)*		
32 31 13 13-0729		Galvanized Steel *(32 31 13 13-0728)*		
32 31 13 13-0730	LF	7 Gauge, Galvanized Steel, Reinforcing Wire Coiled Spring	1.31	0.55
32 31 13 13-0731		Vinyl Coated Steel *(32 31 13 13-0728)*		
32 31 13 13-0732	LF	9 Gauge, Vinyl Coated Steel, Reinforcing Wire Coiled Spring	1.30	0.55

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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0733		**Bending Of Fabric Around Pipe Railings** *(32 31 13 13-0697)*		
		Note: Only where specified.		
32 31 13 13-0734	LF	Bend Chain Link Fence Fabric Around Pipe Railing, Top	1.78	
32 31 13 13-0735	LF	Bend Chain Link Fence Fabric Around Pipe Railing, Bottom	1.55	
32 31 13 13-0736		**Mounting Plate With Anchors Or Bolts** *(32 31 13 13-0697)*		
		Note: For drilling for anchor or bolts, installing post on or against flat surface.		
32 31 13 13-0737	EA	Mounting Plate For 1-5/8" Diameter Post	49.37	
32 31 13 13-0738	EA	Mounting Plate For 2" Diameter Post	50.17	
32 31 13 13-0739	EA	Mounting Plate For 2-1/2" Diameter Post	51.60	
32 31 13 13-0740	EA	Mounting Plate For 3" Diameter Post	62.12	
32 31 13 13-0741	EA	Mounting Plate For 4" Diameter Post	71.40	
32 31 13 13-0742	EA	Mounting Plate For 6-5/8" Diameter Post	82.68	
32 31 13 13-0743	EA	Mounting Plate For 8-5/8" Diameter Post	97.45	
32 31 13 13-0744		**Tension Bar** *(32 31 13 13-0697)*		
32 31 13 13-0745	EA	3' Long x 5/8" Wide x 3/16" Thick Galvanized Steel Tension Bar	17.45	
32 31 13 13-0746	EA	3-1/2' Long x 5/8" Wide x 3/16" Thick Galvanized Steel Tension Bar	18.56	
32 31 13 13-0747	EA	4' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	22.70	
32 31 13 13-0748	EA	5' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	26.24	
32 31 13 13-0749	EA	6' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	30.90	
32 31 13 13-0750	EA	7' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	35.74	
32 31 13 13-0751	EA	8' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	40.38	
32 31 13 13-0752	EA	9' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	48.32	
32 31 13 13-0753	EA	10' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	57.80	
32 31 13 13-0754		**Truss Rods** *(32 31 13 13-0697)*		
32 31 13 13-0755	LF	3/8" Diameter Truss Rods	2.38	0.63
32 31 13 13-0756		**Fence And Gate Repair And Replacement** *(32 31 13 13)*		
32 31 13 13-0757		**Fence And Gate Parts Replacement** *(32 31 13 13-0756)*		
32 31 13 13-0758	EA	Cantilever Roller Assembly, Ball Bearing With Fittings, Replacement	134.58	
32 31 13 13-0759	EA	Sliding Gate Roller Assembly Replacement	132.62	
32 31 13 13-0760	EA	Rod And Lock Gate Keeper Replacement	133.54	
32 31 13 13-0761	EA	Galvanized Gate Holdback Replacement	30.50	
32 31 13 13-0762	LF	3/8" Cross Bracing Rod Replacement	1.74	
32 31 13 13-0763	LF	1-5/8" Diagonal Pipe Bracing Replacement	2.70	
32 31 13 13-0764	EA	2-3/8" To 2-1/2" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement	29.28	
32 31 13 13-0765	EA	2-7/8" To 3" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement	33.51	
32 31 13 13-0766	EA	3-1/2" To 4" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement	37.84	
32 31 13 13-0767	EA	4-1/2" To 5" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement Note: 180 degree commercial malleable	40.96	
32 31 13 13-0768	EA	5-9/16" To 6" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement Note: 180 degree commercial malleable	48.76	
32 31 13 13-0769	EA	6-1/2" To 6-5/8" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement	56.06	
32 31 13 13-0770	EA	8-5/8" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement	109.43	
32 31 13 13-0771	EA	2-1/2" x 2" Off Set Gate Hinge Replacement	28.25	
32 31 13 13-0772	EA	3" x 2" Off Set Gate Hinge Replacement	29.49	
32 31 13 13-0773	EA	4" x 2" Off Set Gate Hinge Replacement	31.49	
32 31 13 13-0774	EA	6-5/8" x 2" Off Set Gate Hinge Replacement	50.72	
32 31 13 13-0775	EA	8-5/8" x 2" Off Set Gate Hinge Replacement	79.17	
32 31 13 13-0776	EA	1-5/8" Aluminum Die-Cast Post Cap Replacement	6.47	
32 31 13 13-0777	EA	2" Aluminum Die-Cast Post Cap Replacement	7.10	
32 31 13 13-0778	EA	2-1/2" Aluminum Die-Cast Post Cap Replacement	8.29	
32 31 13 13-0779	EA	3" Aluminum Die-Cast Post Cap Replacement	9.66	
32 31 13 13-0780	EA	2" Galvanized Post Cap Replacement	7.14	
32 31 13 13-0781	EA	2-1/2" Galvanized Post Cap Replacement	7.74	
32 31 13 13-0782	EA	3" Galvanized Post Cap Replacement	8.86	
32 31 13 13-0783	EA	4" Galvanized Post Cap Replacement	12.97	
32 31 13 13-0784	EA	6-5/8" Galvanized Post Cap Replacement	23.90	
32 31 13 13-0785	EA	8-5/8" Galvanized Post Cap Replacement	38.99	
32 31 13 13-0786	EA	1-5/8" Boulevard Clamp Replacement	11.97	
32 31 13 13-0787	EA	2" Boulevard Clamp Replacement	14.58	
32 31 13 13-0788	EA	2-1/2" Boulevard Clamp Replacement	17.11	
32 31 13 13-0789	EA	3" Boulevard Clamp Replacement	20.77	
32 31 13 13-0790	EA	1-5/8" Gate Brace Or End Rail Clamp Replacement	11.75	
32 31 13 13-0791	EA	2" Gate Brace Or End Rail Clamp Replacement	14.27	
32 31 13 13-0792	EA	2-1/2" Gate Brace Or End Rail Clamp Replacement	16.81	
32 31 13 13-0793	EA	3" Gate Brace Or End Rail Clamp Replacement	20.45	
32 31 13 13-0794	EA	1-3/8" Heavy-Duty Galvanized Tension Band With Bolt, Replacement	11.96	
32 31 13 13-0795	EA	1-5/8" Heavy-Duty Galvanized Tension Band With Bolt, Replacement	12.06	
32 31 13 13-0796	EA	2" Heavy-Duty Galvanized Tension Band With Bolt, Replacement	12.32	
32 31 13 13-0797	EA	2-1/2" Heavy-Duty Galvanized Tension Band With Bolt, Replacement	12.20	
32 31 13 13-0798	EA	3" Heavy-Duty Galvanized Tension Band With Bolt, Replacement	12.40	
32 31 13 13-0799	EA	3-1/2" Heavy-Duty Galvanized Tension Band With Bolt, Replacement	12.56	
32 31 13 13-0800	EA	4" Heavy-Duty Galvanized Tension Band With Bolt, Replacement	13.03	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0801	EA	6-5/8" Heavy-Duty Galvanized Tension Band With Bolt, Replacement	16.46	
32 31 13 13-0802	EA	6" x 6" Wheel, Roller Gate Wheel Carrier, Replacement	81.24	
32 31 13 13-0803	EA	8" x 6" Wheel, Roller Gate Wheel Carrier, Replacement	92.04	
32 31 13 13-0804	EA	12" x 8" Wheel, Roller Gate Wheel Carrier, Replacement	108.24	
32 31 13 13-0805	EA	Heavy Malleable Cast Rolling Gate Track Wheel, Replacement	83.94	
32 31 13 13-0806		**Removal And Reinstallation Of Chain Link Fences** *(32 31 13 13)* Note: Includes removal, storage, cleaning and reinstallation of fence fabric, rails and other components. Excludes post work. See CSI section 32 31 13 13-0001 for new post holes where required, 32 31 13 13-0058 for new fence posts where required.		
32 31 13 13-0807	LF	Removal And Reinstallation Of Chain Link Fence Up To 5' Height	22.01	
32 31 13 13-0808	LF	Removal And Reinstallation Of Chain Link Fence 6' To 12' Height	33.01	
32 31 13 13-0809		**Decorative Privacy Fence** *(32 31 13 13)* Note: Includes fastener clips		
32 31 13 13-0810	LF	59", Faux Ivy Leaf Decorative Privacy Fence Note: Includes faux Ivy leaves closely attached to the mesh screen. Applied to fence, railing or wall	17.47	2.15
32 31 13 13-0811		**Ballfield Fencing** *(32 31 13 13)* See CSI section 32 31 13 13-0001 for auguring holes and concrete.		
32 31 13 13-0812		**Concrete Bases For Ballfield Poles, Cast In Place** *(32 31 13 13-0811)* Note: Includes excavation/drilling, concrete, reinforcement, forms for exposed base, anchors/supports and backfill.		
32 31 13 13-0813	VLF	2-1/2' Diameter Concrete Base For Ballfield Poles	138.32	
32 31 13 13-0814	VLF	3' Diameter Concrete Base For Ballfield Poles	164.09	
32 31 13 13-0815	VLF	3-1/2' Diameter Concrete Base For Ballfield Poles	206.81	
32 31 13 13-0816	VLF	4' Diameter Concrete Base For Ballfield Poles	245.20	
32 31 13 13-0817		**Ballfield Poles** *(32 31 13 13-0811)*		
32 31 13 13-0818	EA	20' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting Note: 10' above grade	8,325.76	696.93
32 31 13 13-0819	EA	25' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting Note: 15' above grade	10,327.60	871.16
32 31 13 13-0820	EA	30' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting Note: 20' above grade	11,867.77	1,045.39
32 31 13 13-0821	EA	40' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting Note: 30' above grade	15,961.93	1,219.62
32 31 13 13-0822	EA	50' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting Note: 40' above grade	21,400.16	1,393.85
32 31 13 13-0823	EA	60' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting Note: 50' above grade	23,913.71	1,568.08
32 31 13 13-0824		**Ballfield Nylon Netting** *(32 31 13 13-0811)* Note: Excludes fastening clips and cabeling		
32 31 13 13-0825	LF	10' High, #18 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	1.73	
32 31 13 13-0826	LF	10' High, #21 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	1.77	
32 31 13 13-0827	LF	10' High, #36 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	2.00	
32 31 13 13-0828	LF	10' High, #42 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	2.25	
32 31 13 13-0829	LF	10' High, #48 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	2.50	
32 31 13 13-0830	LF	10' High, #60 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	3.35	
32 31 13 13-0831	LF	10' High, #72 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	3.81	
32 31 13 13-0832	LF	10' High, #96 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	4.95	
32 31 13 13-0833		**Ballfield Chainlink Netting** *(32 31 13 13-0811)* Note: Excludes fastening clips and cabeling		
32 31 13 13-0834	SF	#9 Gauge Chain Link Fabric, 2" Mesh For Ballfield Netting	3.62	1.18
		For 13 Gauge Fabric, Deduct	*-0.58*	
		For 11 Gauge Fabric, Deduct	*-0.32*	
		For 6 Gauge Fabric, Add	*1.02*	
		For 1" Mesh Fabric, Add	*0.96*	
		For 1-3/4" Mesh Fabric, Add	*0.38*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.19*	
		For 2-3/8" Mesh Fabric, Deduct	*-0.26*	
32 31 13 13-0835		**Ballfield Netting Accessories** *(32 31 13 13-0811)*		
32 31 13 13-0836	EA	Sliding Clip For Ballfield Netting	8.44	
32 31 13 13-0837	EA	1/4" Utility Spring Swing Clip For Ballfield Netting	3.75	
32 31 13 13-0838	EA	5/16" Utility Spring Swing Clip For Ballfield Netting	3.95	
32 31 13 13-0839	EA	3/8" Utility Spring Swing Clip For Ballfield Netting	4.26	
32 31 13 33		**Chain Link Backstops** *(32 31 13)*		
32 31 13 33-0001		**Regulation Baseball Backstop** *(32 31 13 33)* See CSI section 32 31 13 13-0001 for auguring holes and concrete.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 33-0002	EA	20'-6" Wide x 13' High Baseball Backstop Prefabricated With Hood, Galvanized	13,478.18	2,250.38
32 31 13 33-0003	EA	34' Wide x 17'-6" High Baseball Backstop Prefabricated With Hood, Galvanized	19,428.17	3,000.50
32 31 13 33-0004	EA	48'-3-1/2" Wide x 24' High Baseball Backstop Prefabricated With Hood, Galvanized	24,741.66	3,500.59
32 31 13 33-0005	EA	20'-6" Wide x 13' High Baseball Backstop Prefabricated With Hood, Vinyl Coated	18,866.74	2,250.38
32 31 13 33-0006	EA	34' Wide x 17'-6" High Baseball Backstop Prefabricated With Hood, Vinyl Coated	27,491.16	3,000.50
32 31 13 33-0007	EA	48'-3-1/2" Wide x 24' High Baseball Backstop Prefabricated With Hood, Vinyl Coated	35,382.03	3,500.59
32 31 13 33-0008	SF	2" Thick Polyethylene Foam, 18 Oz Vinyl Cover, Padding Installed On Chain Link Backstop	15.22	
32 31 13 33-0009	SF	3" Thick Polyethylene Foam, 18 Oz Vinyl Cover, Padding Installed On Chain Link Backstop	18.15	

32 31 13 33-0010 Regulation Softball Backstop *(32 31 13 33)*

See CSI section 32 31 13 13-0001 for auguring holes and concrete.

32 31 13 33-0011 14' High Softball Backstop *(32 31 13 33-0010)*

Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.

32 31 13 33-0012	EA	14' Softball Backstop, Galvanized Regulation	11,361.12	2,213.89
32 31 13 33-0013	EA	14' Softball Backstop, Vinyl Coated Regulation	15,225.88	2,213.89

32 31 13 33-0014 18' High Softball Backstop *(32 31 13 33-0010)*

Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.

32 31 13 33-0015	EA	18' Softball Backstop, Galvanized Regulation	13,261.29	2,461.24
32 31 13 33-0016	EA	18' Softball Backstop Vinyl Coated Regulation	17,936.40	2,461.24

32 31 13 33-0017 20' High Softball Backstop *(32 31 13 33-0010)*

Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.

32 31 13 33-0018	EA	20' Softball Backstop, Galvanized Regulation	15,013.09	2,595.03
32 31 13 33-0019	EA	20' Softball Backstop, Vinyl Coated Regulation	20,560.95	2,595.03

32 31 13 33-0020 22' High Softball Backstop *(32 31 13 33-0010)*

Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.

32 31 13 33-0021	EA	22' Softball Backstop, Galvanized Regulation	17,288.56	2,673.33
32 31 13 33-0022	EA	22' Softball Backstop, Vinyl Coated Regulation	23,958.39	2,673.33

32 31 13 33-0023 24' High Softball Backstop *(32 31 13 33-0010)*

Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.

32 31 13 33-0024	EA	24' Softball Backstop, Galvanized Regulation	20,570.94	3,055.23
32 31 13 33-0025	EA	24' Softball Backstop, Vinyl Coated Regulation	28,861.47	3,055.23

32 31 16 Welded Wire Fences and Gates *(32 31)*

32 31 16 00-0001 Welded Wire Fence *(32 31 16)*

32 31 16 00-0002 12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh *(32 31 16 00-0001)*

Note: Posts 5' on center.

32 31 16 00-0003	LF	3' High, 12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh, Posts At 5'	10.94	2.00
32 31 16 00-0004	LF	5' High, 12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh, Posts At 5'	11.74	2.00

32 31 16 00-0005 14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh *(32 31 16 00-0001)*

Note: Posts 5' on center.

32 31 16 00-0006	LF	3' High, 14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh, Posts At 5'	10.78	2.00
32 31 16 00-0007	LF	5' High, 14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh, Posts At 5'	11.49	2.00

32 31 16 00-0008 Welded Galvanized Perforated Wired Metal Screen Panel *(32 31 16)*

32 31 16 00-0009 16 Gauge Welded Galvanized Perforated Wired Metal Screen Panel *(32 31 16 00-0008)*

32 31 16 00-0010	EA	7' High x 30' Wide, 16 Gauge Welded Galvanized Perforated Wired Metal Screen Panel Note: 40% Open Area	10,298.97	1,160.99

32 31 16 00-0011 Galvanized Steel Welded Wire Fence Assemblies *(32 31 16)*

32 31 16 00-0012 6 Gauge, 2" x 6" Mesh, Galvanized Steel Welded Wire Fence Assemblies *(32 31 16 00-0011)*

Note: Posts 8' on center.

32 31 16 00-0013	LF	48" Height, 6 Gauge, 2" x 6" Mesh, Galvanized Steel Welded Wire Fence Assembly Note: 2" Square, 16 Gauge Posts at 8' Centers	49.29	2.00
32 31 16 00-0014	LF	60" Height, 6 Gauge, 2" x 6" Mesh, Galvanized Steel Welded Wire Fence Assembly Note: 2" Square, 16 Gauge Posts at 8' Centers	58.73	2.00
32 31 16 00-0015	LF	72" Height, 6 Gauge, 2" x 6" Mesh, Galvanized Steel Welded Wire Fence Assembly Note: 2" Square, 16 Gauge Posts at 8' Centers	65.72	2.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 16 00-0016	LF	96" Height, 6 Gauge, 2" x 6" Mesh, Galvanized Steel Welded Wire Fence Assembly Note: 2-1/2" Square, 16 Gauge Posts at 8' Centers	92.31	2.00

32 31 19 Decorative Metal Fences and Gates *(32 31)*

See CSI section 32 31 13 13-0001 for drilling and grouting.

32 31 19 00-0001 Wrought Iron Fence *(32 31 19)*

Note: Factory primed.

32 31 19 00-0002 Wrought Iron Fence, 3/4" Verticals At >3" To 4" On Center *(32 31 19 00-0001)*

Note: Factory primed 8 foot long panel sections.

32 31 19 00-0003	LF	3' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center	47.16	12.10
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	*8.77*	
		For Verticals Up To 2" On Center, Add	*7.34*	
		For Verticals >2" To 2-1/2" On Center, Add	*4.59*	
		For Verticals >2-1/2" To 3" On Center, Add	*1.84*	
		For Verticals >4" To 6" On Center, Deduct	*-2.07*	
		For Pickets Extending Above Top Rail, Add	*4.08*	
		For Curved Pickets Extending Above Top Rail, Add	*9.27*	
32 31 19 00-0004	LF	4' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center	60.15	15.41
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	*11.10*	
		For Verticals Up To 2" On Center, Add	*9.73*	
		For Verticals >2" To 2-1/2" On Center, Add	*6.08*	
		For Verticals >2-1/2" To 3" On Center, Add	*2.43*	
		For Verticals >4" To 6" On Center, Deduct	*-2.74*	
		For Pickets Extending Above Top Rail, Add	*5.29*	
		For Curved Pickets Extending Above Top Rail, Add	*12.12*	
32 31 19 00-0005	LF	5' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center	70.71	16.07
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	*12.87*	
		For Verticals Up To 2" On Center, Add	*12.28*	
		For Verticals >2" To 2-1/2" On Center, Add	*7.67*	
		For Verticals >2-1/2" To 3" On Center, Add	*3.07*	
		For Verticals >4" To 6" On Center, Deduct	*-3.45*	
		For Pickets Extending Above Top Rail, Add	*6.41*	
		For Curved Pickets Extending Above Top Rail, Add	*14.89*	
32 31 19 00-0006	LF	6' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center	85.52	19.37
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	*15.55*	
		For Verticals Up To 2" On Center, Add	*14.94*	
		For Verticals >2" To 2-1/2" On Center, Add	*9.34*	
		For Verticals >2-1/2" To 3" On Center, Add	*3.74*	
		For Verticals >4" To 6" On Center, Deduct	*-4.20*	
		For Pickets Extending Above Top Rail, Add	*7.78*	
		For Curved Pickets Extending Above Top Rail, Add	*18.09*	
32 31 19 00-0007	LF	7' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center	99.03	20.49
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	*17.72*	
		For Verticals Up To 2" On Center, Add	*18.57*	
		For Verticals >2" To 2-1/2" On Center, Add	*11.61*	
		For Verticals >2-1/2" To 3" On Center, Add	*4.64*	
		For Verticals >4" To 6" On Center, Deduct	*-5.22*	
		For Pickets Extending Above Top Rail, Add	*9.30*	
		For Curved Pickets Extending Above Top Rail, Add	*21.94*	
32 31 19 00-0008	LF	8' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 3" Square Posts, Set 8' On Center	112.52	21.57
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	*19.90*	
		For Verticals Up To 2" On Center, Add	*22.20*	
		For Verticals >2" To 2-1/2" On Center, Add	*13.88*	
		For Verticals >2-1/2" To 3" On Center, Add	*5.55*	
		For Verticals >4" To 6" On Center, Deduct	*-6.25*	
		For Pickets Extending Above Top Rail, Add	*10.83*	
		For Curved Pickets Extending Above Top Rail, Add	*25.79*	
32 31 19 00-0009	LF	10' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 3" Square Posts, Set 8' On Center	135.82	24.21
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	*23.76*	
		For Verticals Up To 2" On Center, Add	*27.97*	
		For Verticals >2" To 2-1/2" On Center, Add	*17.48*	
		For Verticals >2-1/2" To 3" On Center, Add	*6.99*	
		For Verticals >4" To 6" On Center, Deduct	*-7.87*	
		For Pickets Extending Above Top Rail, Add	*13.35*	
		For Curved Pickets Extending Above Top Rail, Add	*32.04*	
32 31 19 00-0010	LF	12' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 3" Square Posts, Set 8' On Center	159.97	27.51
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	*27.85*	
		For Verticals Up To 2" On Center, Add	*33.58*	
		For Verticals >2" To 2-1/2" On Center, Add	*20.99*	
		For Verticals >2-1/2" To 3" On Center, Add	*8.40*	
		For Verticals >4" To 6" On Center, Deduct	*-9.45*	
		For Pickets Extending Above Top Rail, Add	*15.87*	
		For Curved Pickets Extending Above Top Rail, Add	*38.24*	

32 31 19 00-0011 Wrought Iron Gates *(32 31 19 00-0001)*

Note: Factory primed.

32 31 19 00-0012 Single Wrought Iron Gates *(32 31 19 00-0011)*

Note: Factory primed.

32 31 19 00-0013	LF	3' Single Wrought Iron Gate, Hardware And Associated Trim	57.77	14.74
32 31 19 00-0014	LF	4' Single Wrought Iron Gate, Hardware And Associated Trim	75.77	18.27
32 31 19 00-0015	LF	5' Single Wrought Iron Gate, Hardware And Associated Trim	92.14	22.01
32 31 19 00-0016	LF	6' Single Wrought Iron Gate, Hardware And Associated Trim	111.79	26.41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0017	LF	8' Single Wrought Iron Gate, Hardware And Associated Trim	146.93	29.26
32 31 19 00-0018	LF	10' Single Wrought Iron Gate, Hardware And Associated Trim	176.30	32.35
32 31 19 00-0019	LF	12' Single Wrought Iron Gate, Hardware And Associated Trim	205.14	36.75
32 31 19 00-0020		**Double Wrought Iron Gates** *(32 31 19 00-0011)*		
		Note: Factory primed.		
32 31 19 00-0021	LF	3' Double Wrought Iron Gate, Hardware And Associated Trim	70.33	13.20
32 31 19 00-0022	LF	4' Double Wrought Iron Gate, Hardware And Associated Trim	92.09	16.50
32 31 19 00-0023	LF	5' Double Wrought Iron Gate, Hardware And Associated Trim	111.49	19.81
32 31 19 00-0024	LF	6' Double Wrought Iron Gate, Hardware And Associated Trim	134.83	23.77
32 31 19 00-0025	LF	8' Double Wrought Iron Gate, Hardware And Associated Trim	178.04	26.41
32 31 19 00-0026	LF	10' Double Wrought Iron Gate, Hardware And Associated Trim	213.99	29.05
32 31 19 00-0027	LF	12' Double Wrought Iron Gate, Hardware And Associated Trim	249.50	33.01
32 31 19 00-0028		**Repair Or Replace Wrought Iron Fence** *(32 31 19 00-0001)*		
32 31 19 00-0029	LF	Removal And Replacement Of Wrought Iron Picket	20.61	
32 31 19 00-0030	LF	Removal And Replacement Of Wrought Iron Post	30.21	
32 31 19 00-0031	EA	Straighten Wrought Iron Post	88.02	
32 31 19 00-0032		**Steel Tube Fence, Powder Coated** *(32 31 19)*		
		Note: Pickets are 3/4" square x 16 gauge.		
32 31 19 00-0033		**Steel Tube Fence, 2 Rail** *(32 31 19 00-0032)*		
		Note: 6 foot long panel sections.		
32 31 19 00-0034	LF	3' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	79.94	12.10
		For Verticals Up To 2" On Center, Add	*11.24*	
		For Verticals >2" To 2-1/2" On Center, Add	*5.62*	
		For Verticals >3" To 4" On Center, Deduct	*-5.62*	
		For Verticals >4" To 6" On Center, Deduct	*-11.24*	
		For Pickets Extending Above Top Rail, Add	*5.96*	
		For Curved Pickets Extending Above Top Rail, Add	*10.49*	
		For Solid Pickets, Add	*16.21*	
		For Aluminum With Satin Finish, Add	*13.31*	
		For Third Rail, Add	*4.22*	
		For 1" Square x 14 Gauge Pickets, Add	*14.06*	
		For 3" Square Posts, Add	*7.03*	
32 31 19 00-0035	LF	3'-6" Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	85.52	12.94
		For Verticals Up To 2" On Center, Add	*11.93*	
		For Verticals >2" To 2-1/2" On Center, Add	*5.96*	
		For Verticals >3" To 4" On Center, Deduct	*-5.96*	
		For Verticals >4" To 6" On Center, Deduct	*-11.93*	
		For Pickets Extending Above Top Rail, Add	*6.36*	
		For Curved Pickets Extending Above Top Rail, Add	*11.19*	
		For Solid Pickets, Add	*17.30*	
		For Aluminum With Satin Finish, Add	*14.01*	
		For Third Rail, Add	*4.47*	
		For 1" Square x 14 Gauge Pickets, Add	*14.91*	
		For 3" Square Posts, Add	*7.46*	
32 31 19 00-0036	LF	4' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	90.48	14.30
		For Verticals Up To 2" On Center, Add	*12.49*	
		For Verticals >2" To 2-1/2" On Center, Add	*6.24*	
		For Verticals >3" To 4" On Center, Deduct	*-6.24*	
		For Verticals >4" To 6" On Center, Deduct	*-12.49*	
		For Pickets Extending Above Top Rail, Add	*6.71*	
		For Curved Pickets Extending Above Top Rail, Add	*11.78*	
		For Solid Pickets, Add	*18.26*	
		For Aluminum With Satin Finish, Add	*14.53*	
		For Third Rail, Add	*4.68*	
		For 1" Square x 14 Gauge Pickets, Add	*15.61*	
		For 3" Square Posts, Add	*7.81*	
32 31 19 00-0037	LF	5' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	96.35	16.07
		For Verticals Up To 2" On Center, Add	*12.80*	
		For Verticals >2" To 2-1/2" On Center, Add	*6.40*	
		For Verticals >3" To 4" On Center, Deduct	*-6.40*	
		For Verticals >4" To 6" On Center, Deduct	*-12.80*	
		For Pickets Extending Above Top Rail, Add	*7.06*	
		For Curved Pickets Extending Above Top Rail, Add	*12.35*	
		For Solid Pickets, Add	*19.25*	
		For Aluminum With Satin Finish, Add	*14.35*	
		For Third Rail, Add	*4.80*	
		For 1" Square x 14 Gauge Pickets, Add	*16.00*	
		For 3" Square Posts, Add	*8.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0038	LF	6' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	111.75	18.16
		For Verticals Up To 2" On Center, Add	*15.09*	
		For Verticals >2" To 2-1/2" On Center, Add	*7.54*	
		For Verticals >3" To 4" On Center, Deduct	*-7.54*	
		For Verticals >4" To 6" On Center, Deduct	*-15.09*	
		For Pickets Extending Above Top Rail, Add	*8.23*	
		For Curved Pickets Extending Above Top Rail, Add	*14.42*	
		For Solid Pickets, Add	*22.42*	
		For Aluminum With Satin Finish, Add	*17.19*	
		For Third Rail, Add	*5.66*	
		For 1" Square x 14 Gauge Pickets, Add	*18.86*	
		For 3" Square Posts, Add	*9.43*	
32 31 19 00-0039	LF	7' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts	128.00	19.81
		For Verticals Up To 2" On Center, Add	*17.68*	
		For Verticals >2" To 2-1/2" On Center, Add	*8.84*	
		For Verticals >3" To 4" On Center, Deduct	*-8.84*	
		For Verticals >4" To 6" On Center, Deduct	*-17.68*	
		For Pickets Extending Above Top Rail, Add	*9.49*	
		For Curved Pickets Extending Above Top Rail, Add	*16.67*	
		For Solid Pickets, Add	*25.83*	
		For Aluminum With Satin Finish, Add	*20.57*	
		For Third Rail, Add	*6.63*	
		For 1" Square x 14 Gauge Pickets, Add	*22.10*	
		For 4" Square Posts, Add	*30.93*	
32 31 19 00-0040	LF	8' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts	144.45	21.57
		For Verticals Up To 2" On Center, Add	*20.26*	
		For Verticals >2" To 2-1/2" On Center, Add	*10.13*	
		For Verticals >3" To 4" On Center, Deduct	*-10.13*	
		For Verticals >4" To 6" On Center, Deduct	*-20.26*	
		For Pickets Extending Above Top Rail, Add	*10.77*	
		For Curved Pickets Extending Above Top Rail, Add	*18.94*	
		For Solid Pickets, Add	*29.27*	
		For Aluminum With Satin Finish, Add	*23.93*	
		For Third Rail, Add	*7.60*	
		For 1" Square x 14 Gauge Pickets, Add	*25.33*	
		For 4" Square Posts, Add	*35.46*	
32 31 19 00-0041	LF	9' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts	168.06	23.10
		For Verticals Up To 2" On Center, Add	*24.37*	
		For Verticals >2" To 2-1/2" On Center, Add	*12.18*	
		For Verticals >3" To 4" On Center, Deduct	*-12.18*	
		For Verticals >4" To 6" On Center, Deduct	*-24.37*	
		For Pickets Extending Above Top Rail, Add	*12.67*	
		For Curved Pickets Extending Above Top Rail, Add	*22.35*	
		For Solid Pickets, Add	*34.35*	
		For Aluminum With Satin Finish, Add	*29.62*	
		For Third Rail, Add	*9.14*	
		For 1" Square x 14 Gauge Pickets, Add	*30.46*	
		For 4" Square Posts, Add	*42.64*	
32 31 19 00-0042	LF	10' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts	191.86	24.76
		For Verticals Up To 2" On Center, Add	*28.47*	
		For Verticals >2" To 2-1/2" On Center, Add	*14.24*	
		For Verticals >3" To 4" On Center, Deduct	*-14.24*	
		For Verticals >4" To 6" On Center, Deduct	*-28.47*	
		For Pickets Extending Above Top Rail, Add	*14.58*	
		For Curved Pickets Extending Above Top Rail, Add	*25.78*	
		For Solid Pickets, Add	*39.46*	
		For Aluminum With Satin Finish, Add	*35.28*	
		For Third Rail, Add	*10.68*	
		For 1" Square x 14 Gauge Pickets, Add	*35.59*	
		For 6" Square Posts, Add	*49.82*	
32 31 19 00-0043	LF	12' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts	226.08	27.51
		For Verticals Up To 2" On Center, Add	*34.21*	
		For Verticals >2" To 2-1/2" On Center, Add	*17.11*	
		For Verticals >3" To 4" On Center, Deduct	*-17.11*	
		For Verticals >4" To 6" On Center, Deduct	*-34.21*	
		For Pickets Extending Above Top Rail, Add	*17.29*	
		For Curved Pickets Extending Above Top Rail, Add	*30.64*	
		For Solid Pickets, Add	*46.74*	
		For Aluminum With Satin Finish, Add	*43.07*	
		For Third Rail, Add	*12.83*	
		For 1" Square x 14 Gauge Pickets, Add	*42.77*	
		For 6" Square Posts, Add	*59.87*	
32 31 19 00-0044	LF	14' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts	242.16	29.71
		For Verticals Up To 2" On Center, Add	*36.55*	
		For Verticals >2" To 2-1/2" On Center, Add	*18.27*	
		For Verticals >3" To 4" On Center, Deduct	*-18.27*	
		For Verticals >4" To 6" On Center, Deduct	*-36.55*	
		For Pickets Extending Above Top Rail, Add	*18.50*	
		For Curved Pickets Extending Above Top Rail, Add	*32.78*	
		For Solid Pickets, Add	*50.03*	
		For Aluminum With Satin Finish, Add	*45.91*	
		For Third Rail, Add	*13.71*	
		For 1" Square x 14 Gauge Pickets, Add	*45.69*	
		For 6" Square Posts, Add	*63.96*	

32 31 19 00-0045 Steel Tube Swing Gates *(32 31 19 00-0032)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0046		**3' Fence Height Steel Tube Swing Gates, 2 Rail** *(32 31 19 00-0045)*		
32 31 19 00-0047	EA	3' Wide x 3' High Steel Tube Single Swing Gate	728.42	23.44
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*158.61*	
		For Aluminum With Satin Finish, Add	*186.84*	
		For Third Rail, Add	*49.35*	
		For 1" Square x 14 Gauge Pickets, Add	*65.80*	
32 31 19 00-0048	EA	3'-6" Wide x 3' High Steel Tube Single Swing Gate	810.18	24.54
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*176.76*	
		For Aluminum With Satin Finish, Add	*209.88*	
		For Third Rail, Add	*55.23*	
		For 1" Square x 14 Gauge Pickets, Add	*73.65*	
32 31 19 00-0049	EA	4' Wide x 3' High Steel Tube Single Swing Gate	896.61	25.97
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*195.88*	
		For Aluminum With Satin Finish, Add	*233.83*	
		For Third Rail, Add	*61.39*	
		For 1" Square x 14 Gauge Pickets, Add	*81.85*	
32 31 19 00-0050	EA	5' Wide x 3' High Steel Tube Single Swing Gate	943.12	27.84
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*205.93*	
		For Aluminum With Satin Finish, Add	*245.31*	
		For Third Rail, Add	*64.46*	
		For 1" Square x 14 Gauge Pickets, Add	*85.95*	
32 31 19 00-0051	EA	6' Wide x 3' High Steel Tube Single Swing Gate	1,054.14	33.34
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*229.67*	
		For Aluminum With Satin Finish, Add	*271.18*	
		For Third Rail, Add	*71.55*	
		For 1" Square x 14 Gauge Pickets, Add	*95.40*	
32 31 19 00-0052	EA	7' Wide x 3' High Steel Tube Single Swing Gate	1,122.35	38.84
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*243.78*	
		For Aluminum With Satin Finish, Add	*284.22*	
		For Third Rail, Add	*75.43*	
		For 1" Square x 14 Gauge Pickets, Add	*100.57*	
32 31 19 00-0053	EA	8' Wide x 3' High Steel Tube Single Swing Gate	1,225.56	44.67
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*265.68*	
		For Aluminum With Satin Finish, Add	*307.26*	
		For Third Rail, Add	*81.85*	
		For 1" Square x 14 Gauge Pickets, Add	*109.13*	
32 31 19 00-0054	EA	9' Wide x 3' High Steel Tube Single Swing Gate	1,315.17	50.18
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*284.61*	
		For Aluminum With Satin Finish, Add	*326.72*	
		For Third Rail, Add	*87.33*	
		For 1" Square x 14 Gauge Pickets, Add	*116.44*	
32 31 19 00-0055	EA	10' Wide x 3' High Steel Tube Single Swing Gate	1,394.09	55.67
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*301.13*	
		For Aluminum With Satin Finish, Add	*342.96*	
		For Third Rail, Add	*92.01*	
		For 1" Square x 14 Gauge Pickets, Add	*122.68*	
32 31 19 00-0056	EA	6' Wide x 3' High Steel Tube Double Swing Gate	1,522.64	46.87
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*332.03*	
		For Aluminum With Satin Finish, Add	*393.41*	
		For Third Rail, Add	*103.64*	
		For 1" Square x 14 Gauge Pickets, Add	*138.18*	
32 31 19 00-0057	EA	7' Wide x 3' High Steel Tube Double Swing Gate	1,622.16	49.07
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*353.93*	
		For Aluminum With Satin Finish, Add	*420.30*	
		For Third Rail, Add	*110.60*	
		For 1" Square x 14 Gauge Pickets, Add	*147.47*	
32 31 19 00-0058	EA	8' Wide x 3' High Steel Tube Double Swing Gate	1,793.23	52.05
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*391.76*	
		For Aluminum With Satin Finish, Add	*467.66*	
		For Third Rail, Add	*122.77*	
		For 1" Square x 14 Gauge Pickets, Add	*163.70*	
32 31 19 00-0059	EA	9' Wide x 3' High Steel Tube Double Swing Gate	1,878.97	53.92
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*410.64*	
		For Aluminum With Satin Finish, Add	*490.90*	
		For Third Rail, Add	*128.79*	
		For 1" Square x 14 Gauge Pickets, Add	*171.72*	
32 31 19 00-0060	EA	10' Wide x 3' High Steel Tube Double Swing Gate	1,948.67	55.67
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*425.91*	
		For Aluminum With Satin Finish, Add	*509.34*	
		For Third Rail, Add	*133.61*	
		For 1" Square x 14 Gauge Pickets, Add	*178.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0061	EA	12' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,193.89	66.68
		For Solid Pickets, Add	*478.61*	
		For Aluminum With Satin Finish, Add	*568.05*	
		For Third Rail, Add	*149.52*	
		For 1" Square x 14 Gauge Pickets, Add	*199.36*	
32 31 19 00-0062	EA	14' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,405.21	77.68
		For Solid Pickets, Add	*523.68*	
		For Aluminum With Satin Finish, Add	*616.59*	
		For Third Rail, Add	*162.90*	
		For 1" Square x 14 Gauge Pickets, Add	*217.19*	
32 31 19 00-0063	EA	16' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,583.07	89.46
		For Solid Pickets, Add	*561.05*	
		For Aluminum With Satin Finish, Add	*654.11*	
		For Third Rail, Add	*173.59*	
		For 1" Square x 14 Gauge Pickets, Add	*231.46*	
32 31 19 00-0064	EA	18' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,731.99	100.35
		For Solid Pickets, Add	*592.09*	
		For Aluminum With Satin Finish, Add	*683.93*	
		For Third Rail, Add	*182.29*	
		For 1" Square x 14 Gauge Pickets, Add	*243.05*	
32 31 19 00-0065	EA	20' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,854.17	111.36
		For Solid Pickets, Add	*617.10*	
		For Aluminum With Satin Finish, Add	*705.72*	
		For Third Rail, Add	*188.97*	
		For 1" Square x 14 Gauge Pickets, Add	*251.97*	

32 31 19 00-0066 4' Fence Height Steel Tube Swing Gates, 2 Rail *(32 31 19 00-0045)*

32 31 19 00-0067	EA	3' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	841.06	22.01
		For Solid Pickets, Add	*183.67*	
		For Aluminum With Satin Finish, Add	*218.89*	
		For Third Rail, Add	*57.51*	
		For 1" Square x 14 Gauge Pickets, Add	*76.68*	
32 31 19 00-0068	EA	3'-6" Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	909.77	25.64
		For Solid Pickets, Add	*198.92*	
		For Aluminum With Satin Finish, Add	*238.27*	
		For Third Rail, Add	*62.46*	
		For 1" Square x 14 Gauge Pickets, Add	*83.28*	
32 31 19 00-0069	EA	4' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	981.26	27.51
		For Solid Pickets, Add	*214.59*	
		For Aluminum With Satin Finish, Add	*257.24*	
		For Third Rail, Add	*67.40*	
		For 1" Square x 14 Gauge Pickets, Add	*89.87*	
32 31 19 00-0070	EA	5' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,040.25	29.26
		For Solid Pickets, Add	*227.45*	
		For Aluminum With Satin Finish, Add	*272.47*	
		For Third Rail, Add	*71.42*	
		For 1" Square x 14 Gauge Pickets, Add	*95.22*	
32 31 19 00-0071	EA	6' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,122.05	35.21
		For Solid Pickets, Add	*244.54*	
		For Aluminum With Satin Finish, Add	*289.08*	
		For Third Rail, Add	*76.23*	
		For 1" Square x 14 Gauge Pickets, Add	*101.64*	
32 31 19 00-0072	EA	7' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,232.39	41.04
		For Solid Pickets, Add	*268.04*	
		For Aluminum With Satin Finish, Add	*314.26*	
		For Third Rail, Add	*83.19*	
		For 1" Square x 14 Gauge Pickets, Add	*110.92*	
32 31 19 00-0073	EA	8' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,383.73	46.87
		For Solid Pickets, Add	*300.78*	
		For Aluminum With Satin Finish, Add	*351.74*	
		For Third Rail, Add	*93.22*	
		For 1" Square x 14 Gauge Pickets, Add	*124.29*	
32 31 19 00-0074	EA	9' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,531.51	52.82
		For Solid Pickets, Add	*332.71*	
		For Aluminum With Satin Finish, Add	*388.15*	
		For Third Rail, Add	*102.98*	
		For 1" Square x 14 Gauge Pickets, Add	*137.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0075	EA	10' Wide x 4' High Steel Tube Single Swing Gate	1,672.16	58.65
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*363.03*	
		For Aluminum With Satin Finish, Add	*422.42*	
		For Third Rail, Add	*112.21*	
		For 1" Square x 14 Gauge Pickets, Add	*149.61*	
32 31 19 00-0076	EA	6' Wide x 4' High Steel Tube Double Swing Gate	1,682.09	49.51
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*367.33*	
		For Aluminum With Satin Finish, Add	*437.78*	
		For Third Rail, Add	*115.02*	
		For 1" Square x 14 Gauge Pickets, Add	*153.36*	
32 31 19 00-0077	EA	7' Wide x 4' High Steel Tube Double Swing Gate	1,819.56	51.27
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*397.85*	
		For Aluminum With Satin Finish, Add	*476.55*	
		For Third Rail, Add	*124.91*	
		For 1" Square x 14 Gauge Pickets, Add	*166.55*	
32 31 19 00-0078	EA	8' Wide x 4' High Steel Tube Double Swing Gate	1,962.52	55.02
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*429.19*	
		For Aluminum With Satin Finish, Add	*514.48*	
		For Third Rail, Add	*134.81*	
		For 1" Square x 14 Gauge Pickets, Add	*179.75*	
32 31 19 00-0079	EA	9' Wide x 4' High Steel Tube Double Swing Gate	2,075.01	56.78
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*454.09*	
		For Aluminum With Satin Finish, Add	*545.76*	
		For Third Rail, Add	*142.83*	
		For 1" Square x 14 Gauge Pickets, Add	*190.45*	
32 31 19 00-0080	EA	10' Wide x 4' High Steel Tube Double Swing Gate	2,169.68	58.65
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*474.97*	
		For Aluminum With Satin Finish, Add	*571.68*	
		For Third Rail, Add	*149.52*	
		For 1" Square x 14 Gauge Pickets, Add	*199.36*	
32 31 19 00-0081	EA	12' Wide x 4' High Steel Tube Double Swing Gate	2,463.44	70.32
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*538.43*	
		For Aluminum With Satin Finish, Add	*643.97*	
		For Third Rail, Add	*168.91*	
		For 1" Square x 14 Gauge Pickets, Add	*225.22*	
32 31 19 00-0082	EA	14' Wide x 4' High Steel Tube Double Swing Gate	2,721.55	82.08
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*593.86*	
		For Aluminum With Satin Finish, Add	*705.55*	
		For Third Rail, Add	*185.63*	
		For 1" Square x 14 Gauge Pickets, Add	*247.51*	
32 31 19 00-0083	EA	16' Wide x 4' High Steel Tube Double Swing Gate	2,945.79	93.75
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*641.68*	
		For Aluminum With Satin Finish, Add	*756.98*	
		For Third Rail, Add	*199.81*	
		For 1" Square x 14 Gauge Pickets, Add	*266.41*	
32 31 19 00-0084	EA	18' Wide x 4' High Steel Tube Double Swing Gate	3,139.71	105.52
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*682.67*	
		For Aluminum With Satin Finish, Add	*799.31*	
		For Third Rail, Add	*211.71*	
		For 1" Square x 14 Gauge Pickets, Add	*282.28*	
32 31 19 00-0085	EA	20' Wide x 4' High Steel Tube Double Swing Gate	3,305.08	117.30
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*717.24*	
		For Aluminum With Satin Finish, Add	*833.08*	
		For Third Rail, Add	*221.47*	
		For 1" Square x 14 Gauge Pickets, Add	*295.30*	

32 31 19 00-0086 5' Fence Height Steel Tube Swing Gates, 2 Rail *(32 31 19 00-0045)*

32 31 19 00-0087	EA	3' Wide x 5' High Steel Tube Single Swing Gate	915.12	25.64
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*200.13*	
		For Aluminum With Satin Finish, Add	*239.88*	
		For Third Rail, Add	*62.86*	
		For 1" Square x 14 Gauge Pickets, Add	*83.81*	
32 31 19 00-0088	EA	3'-6" Wide x 5' High Steel Tube Single Swing Gate	965.21	27.51
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*210.98*	
		For Aluminum With Satin Finish, Add	*252.42*	
		For Third Rail, Add	*66.20*	
		For 1" Square x 14 Gauge Pickets, Add	*88.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0089	EA	4' Wide x 5' High Steel Tube Single Swing Gate	1,013.50	29.26
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*221.44*	
		For Aluminum With Satin Finish, Add	*264.44*	
		For Third Rail, Add	*69.41*	
		For 1" Square x 14 Gauge Pickets, Add	*92.55*	
32 31 19 00-0090	EA	5' Wide x 5' High Steel Tube Single Swing Gate	1,083.21	31.14
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*236.71*	
		For Aluminum With Satin Finish, Add	*282.87*	
		For Third Rail, Add	*74.23*	
		For 1" Square x 14 Gauge Pickets, Add	*98.97*	
32 31 19 00-0091	EA	6' Wide x 5' High Steel Tube Single Swing Gate	1,178.58	37.41
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*256.76*	
		For Aluminum With Satin Finish, Add	*303.07*	
		For Third Rail, Add	*79.98*	
		For 1" Square x 14 Gauge Pickets, Add	*106.64*	
32 31 19 00-0092	EA	7' Wide x 5' High Steel Tube Single Swing Gate	1,304.29	43.57
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*283.64*	
		For Aluminum With Satin Finish, Add	*332.36*	
		For Third Rail, Add	*88.00*	
		For 1" Square x 14 Gauge Pickets, Add	*117.34*	
32 31 19 00-0093	EA	8' Wide x 5' High Steel Tube Single Swing Gate	1,479.23	50.18
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*321.52*	
		For Aluminum With Satin Finish, Add	*375.93*	
		For Third Rail, Add	*99.64*	
		For 1" Square x 14 Gauge Pickets, Add	*132.85*	
32 31 19 00-0094	EA	9' Wide x 5' High Steel Tube Single Swing Gate	1,649.50	56.45
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*358.43*	
		For Aluminum With Satin Finish, Add	*418.60*	
		For Third Rail, Add	*111.00*	
		For 1" Square x 14 Gauge Pickets, Add	*148.01*	
32 31 19 00-0095	EA	10' Wide x 5' High Steel Tube Single Swing Gate	1,816.22	62.61
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*394.54*	
		For Aluminum With Satin Finish, Add	*460.19*	
		For Third Rail, Add	*122.10*	
		For 1" Square x 14 Gauge Pickets, Add	*162.81*	
32 31 19 00-0096	EA	6' Wide x 5' High Steel Tube Double Swing Gate	1,799.67	43.24
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*395.67*	
		For Aluminum With Satin Finish, Add	*484.34*	
		For Third Rail, Add	*125.72*	
		For 1" Square x 14 Gauge Pickets, Add	*167.62*	
32 31 19 00-0097	EA	7' Wide x 5' High Steel Tube Double Swing Gate	1,907.62	50.40
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*418.41*	
		For Aluminum With Satin Finish, Add	*507.47*	
		For Third Rail, Add	*132.27*	
		For 1" Square x 14 Gauge Pickets, Add	*176.36*	
32 31 19 00-0098	EA	8' Wide x 5' High Steel Tube Double Swing Gate	2,016.78	57.99
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*441.34*	
		For Aluminum With Satin Finish, Add	*530.42*	
		For Third Rail, Add	*138.82*	
		For 1" Square x 14 Gauge Pickets, Add	*185.10*	
32 31 19 00-0099	EA	9' Wide x 5' High Steel Tube Double Swing Gate	2,165.75	65.25
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*473.31*	
		For Aluminum With Satin Finish, Add	*565.85*	
		For Third Rail, Add	*148.45*	
		For 1" Square x 14 Gauge Pickets, Add	*197.94*	
32 31 19 00-0100	EA	10' Wide x 5' High Steel Tube Double Swing Gate	2,296.88	72.41
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*501.28*	
		For Aluminum With Satin Finish, Add	*595.93*	
		For Third Rail, Add	*156.74*	
		For 1" Square x 14 Gauge Pickets, Add	*208.99*	
32 31 19 00-0101	EA	12' Wide x 5' High Steel Tube Double Swing Gate	2,614.11	80.55
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*570.93*	
		For Aluminum With Satin Finish, Add	*680.75*	
		For Third Rail, Add	*178.81*	
		For 1" Square x 14 Gauge Pickets, Add	*238.41*	
32 31 19 00-0102	EA	14' Wide x 5' High Steel Tube Double Swing Gate	2,899.88	89.35
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*633.32*	
		For Aluminum With Satin Finish, Add	*755.04*	
		For Third Rail, Add	*198.34*	
		For 1" Square x 14 Gauge Pickets, Add	*264.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0103	EA	16' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,155.96	99.14
		For Solid Pickets, Add	*688.85*	
		For Aluminum With Satin Finish, Add	*819.34*	
		For Third Rail, Add	*215.46*	
		For 1" Square x 14 Gauge Pickets, Add	*287.27*	
32 31 19 00-0104	EA	18' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,387.15	110.14
		For Solid Pickets, Add	*738.51*	
		For Aluminum With Satin Finish, Add	*874.53*	
		For Third Rail, Add	*230.43*	
		For 1" Square x 14 Gauge Pickets, Add	*307.25*	
32 31 19 00-0105	EA	20' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,593.44	122.46
		For Solid Pickets, Add	*782.29*	
		For Aluminum With Satin Finish, Add	*920.62*	
		For Third Rail, Add	*243.27*	
		For 1" Square x 14 Gauge Pickets, Add	*324.36*	

32 31 19 00-0106 6' Fence Height Steel Tube Swing Gates, 2 Rail *(32 31 19 00-0045)*

32 31 19 00-0107	EA	3' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	953.15	28.17
		For Solid Pickets, Add	*208.10*	
		For Aluminum With Satin Finish, Add	*247.82*	
		For Third Rail, Add	*65.13*	
		For 1" Square x 14 Gauge Pickets, Add	*86.84*	
32 31 19 00-0108	EA	3'-6" Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,002.13	29.71
		For Solid Pickets, Add	*218.79*	
		For Aluminum With Satin Finish, Add	*260.53*	
		For Third Rail, Add	*68.48*	
		For 1" Square x 14 Gauge Pickets, Add	*91.30*	
32 31 19 00-0109	EA	4' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,051.90	31.36
		For Solid Pickets, Add	*229.60*	
		For Aluminum With Satin Finish, Add	*273.13*	
		For Third Rail, Add	*71.82*	
		For 1" Square x 14 Gauge Pickets, Add	*95.76*	
32 31 19 00-0110	EA	5' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,113.00	33.34
		For Solid Pickets, Add	*242.91*	
		For Aluminum With Satin Finish, Add	*288.84*	
		For Third Rail, Add	*75.96*	
		For 1" Square x 14 Gauge Pickets, Add	*101.29*	
32 31 19 00-0111	EA	6' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,249.81	40.27
		For Solid Pickets, Add	*272.13*	
		For Aluminum With Satin Finish, Add	*320.48*	
		For Third Rail, Add	*84.66*	
		For 1" Square x 14 Gauge Pickets, Add	*112.88*	
32 31 19 00-0112	EA	7' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,395.53	47.31
		For Solid Pickets, Add	*303.35*	
		For Aluminum With Satin Finish, Add	*354.79*	
		For Third Rail, Add	*94.02*	
		For 1" Square x 14 Gauge Pickets, Add	*125.36*	
32 31 19 00-0113	EA	8' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,558.00	53.92
		For Solid Pickets, Add	*338.42*	
		For Aluminum With Satin Finish, Add	*394.61*	
		For Third Rail, Add	*104.72*	
		For 1" Square x 14 Gauge Pickets, Add	*139.63*	
32 31 19 00-0114	EA	9' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,714.43	60.85
		For Solid Pickets, Add	*372.05*	
		For Aluminum With Satin Finish, Add	*432.13*	
		For Third Rail, Add	*114.88*	
		For 1" Square x 14 Gauge Pickets, Add	*153.18*	
32 31 19 00-0115	EA	10' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,904.72	67.78
		For Solid Pickets, Add	*413.30*	
		For Aluminum With Satin Finish, Add	*479.82*	
		For Third Rail, Add	*127.59*	
		For 1" Square x 14 Gauge Pickets, Add	*170.12*	
32 31 19 00-0116	EA	6' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,869.99	46.65
		For Solid Pickets, Add	*410.76*	
		For Aluminum With Satin Finish, Add	*501.08*	
		For Third Rail, Add	*130.26*	
		For 1" Square x 14 Gauge Pickets, Add	*173.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0117	EA	7' Wide x 6' High Steel Tube Double Swing Gate	1,982.14	54.69
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*434.27*	
		For Aluminum With Satin Finish, Add	*524.38*	
		For Third Rail, Add	*136.95*	
		For 1" Square x 14 Gauge Pickets, Add	*182.60*	
32 31 19 00-0118	EA	8' Wide x 6' High Steel Tube Double Swing Gate	2,093.09	62.28
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*457.60*	
		For Aluminum With Satin Finish, Add	*547.86*	
		For Third Rail, Add	*143.64*	
		For 1" Square x 14 Gauge Pickets, Add	*191.52*	
32 31 19 00-0119	EA	9' Wide x 6' High Steel Tube Double Swing Gate	2,226.64	70.32
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*485.93*	
		For Aluminum With Satin Finish, Add	*577.58*	
		For Third Rail, Add	*151.93*	
		For 1" Square x 14 Gauge Pickets, Add	*202.57*	
32 31 19 00-0120	EA	10' Wide x 6' High Steel Tube Double Swing Gate	2,435.09	78.35
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*531.10*	
		For Aluminum With Satin Finish, Add	*629.76*	
		For Third Rail, Add	*165.84*	
		For 1" Square x 14 Gauge Pickets, Add	*221.12*	
32 31 19 00-0121	EA	12' Wide x 6' High Steel Tube Double Swing Gate	2,854.60	87.26
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*623.58*	
		For Aluminum With Satin Finish, Add	*744.18*	
		For Third Rail, Add	*195.39*	
		For 1" Square x 14 Gauge Pickets, Add	*260.53*	
32 31 19 00-0122	EA	14' Wide x 6' High Steel Tube Double Swing Gate	2,990.64	97.49
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*652.01*	
		For Aluminum With Satin Finish, Add	*771.92*	
		For Third Rail, Add	*203.42*	
		For 1" Square x 14 Gauge Pickets, Add	*271.23*	
32 31 19 00-0123	EA	16' Wide x 6' High Steel Tube Double Swing Gate	3,284.24	108.49
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*715.71*	
		For Aluminum With Satin Finish, Add	*845.84*	
		For Third Rail, Add	*223.08*	
		For 1" Square x 14 Gauge Pickets, Add	*297.44*	
32 31 19 00-0124	EA	18' Wide x 6' High Steel Tube Double Swing Gate	3,554.72	120.70
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*773.94*	
		For Aluminum With Satin Finish, Add	*911.18*	
		For Third Rail, Add	*240.73*	
		For 1" Square x 14 Gauge Pickets, Add	*320.98*	
32 31 19 00-0125	EA	20' Wide x 6' High Steel Tube Double Swing Gate	3,806.86	134.68
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*827.68*	
		For Aluminum With Satin Finish, Add	*968.85*	
		For Third Rail, Add	*256.65*	
		For 1" Square x 14 Gauge Pickets, Add	*342.20*	

32 31 19 00-0126 7' Fence Height Steel Tube Swing Gates, 2 Rail *(32 31 19 00-0045)*

32 31 19 00-0127	EA	3' Wide x 7' High Steel Tube Single Swing Gate	1,010.01	30.48
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*220.38*	
		For Aluminum With Satin Finish, Add	*261.76*	
		For Third Rail, Add	*68.88*	
		For 1" Square x 14 Gauge Pickets, Add	*91.84*	
32 31 19 00-0128	EA	3'-6" Wide x 7' High Steel Tube Single Swing Gate	1,061.21	32.13
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*231.53*	
		For Aluminum With Satin Finish, Add	*274.94*	
		For Third Rail, Add	*72.35*	
		For 1" Square x 14 Gauge Pickets, Add	*96.47*	
32 31 19 00-0129	EA	4' Wide x 7' High Steel Tube Single Swing Gate	1,112.64	33.78
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*242.73*	
		For Aluminum With Satin Finish, Add	*288.09*	
		For Third Rail, Add	*75.83*	
		For 1" Square x 14 Gauge Pickets, Add	*101.11*	
32 31 19 00-0130	EA	5' Wide x 7' High Steel Tube Single Swing Gate	1,164.18	35.54
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*253.94*	
		For Aluminum With Satin Finish, Add	*301.22*	
		For Third Rail, Add	*79.31*	
		For 1" Square x 14 Gauge Pickets, Add	*105.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0131	EA	6' Wide x 7' High Steel Tube Single Swing Gate	1,347.77	43.24
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*293.51*	
		For Aluminum With Satin Finish, Add	*345.90*	
		For Third Rail, Add	*91.34*	
		For 1" Square x 14 Gauge Pickets, Add	*121.79*	
32 31 19 00-0132	EA	7' Wide x 7' High Steel Tube Single Swing Gate	1,515.99	50.62
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*329.71*	
		For Aluminum With Satin Finish, Add	*386.47*	
		For Third Rail, Add	*102.31*	
		For 1" Square x 14 Gauge Pickets, Add	*136.42*	
32 31 19 00-0133	EA	8' Wide x 7' High Steel Tube Single Swing Gate	1,638.96	58.21
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*355.64*	
		For Aluminum With Satin Finish, Add	*412.96*	
		For Third Rail, Add	*109.80*	
		For 1" Square x 14 Gauge Pickets, Add	*146.40*	
32 31 19 00-0134	EA	9' Wide x 7' High Steel Tube Single Swing Gate	1,778.66	65.58
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*385.43*	
		For Aluminum With Satin Finish, Add	*444.97*	
		For Third Rail, Add	*118.63*	
		For 1" Square x 14 Gauge Pickets, Add	*158.17*	
32 31 19 00-0135	EA	10' Wide x 7' High Steel Tube Single Swing Gate	1,949.76	73.28
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*422.19*	
		For Aluminum With Satin Finish, Add	*485.90*	
		For Third Rail, Add	*129.73*	
		For 1" Square x 14 Gauge Pickets, Add	*172.97*	
32 31 19 00-0136	EA	6' Wide x 7' High Steel Tube Double Swing Gate	1,979.52	49.96
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*434.68*	
		For Aluminum With Satin Finish, Add	*529.59*	
		For Third Rail, Add	*137.75*	
		For 1" Square x 14 Gauge Pickets, Add	*183.67*	
32 31 19 00-0137	EA	7' Wide x 7' High Steel Tube Double Swing Gate	2,096.45	58.43
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*459.17*	
		For Aluminum With Satin Finish, Add	*553.77*	
		For Third Rail, Add	*144.71*	
		For 1" Square x 14 Gauge Pickets, Add	*192.94*	
32 31 19 00-0138	EA	8' Wide x 7' High Steel Tube Double Swing Gate	2,214.60	67.34
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*483.85*	
		For Aluminum With Satin Finish, Add	*577.78*	
		For Third Rail, Add	*151.66*	
		For 1" Square x 14 Gauge Pickets, Add	*202.22*	
32 31 19 00-0139	EA	9' Wide x 7' High Steel Tube Double Swing Gate	2,333.32	75.81
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*508.75*	
		For Aluminum With Satin Finish, Add	*602.50*	
		For Third Rail, Add	*158.75*	
		For 1" Square x 14 Gauge Pickets, Add	*211.67*	
32 31 19 00-0140	EA	10' Wide x 7' High Steel Tube Double Swing Gate	2,627.99	84.73
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*573.14*	
		For Aluminum With Satin Finish, Add	*679.47*	
		For Third Rail, Add	*178.94*	
		For 1" Square x 14 Gauge Pickets, Add	*238.59*	
32 31 19 00-0141	EA	12' Wide x 7' High Steel Tube Double Swing Gate	3,174.74	94.52
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*694.07*	
		For Aluminum With Satin Finish, Add	*830.96*	
		For Third Rail, Add	*217.86*	
		For 1" Square x 14 Gauge Pickets, Add	*290.48*	
32 31 19 00-0142	EA	14' Wide x 7' High Steel Tube Double Swing Gate	3,143.23	105.96
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*684.53*	
		For Aluminum With Satin Finish, Add	*806.80*	
		For Third Rail, Add	*213.05*	
		For 1" Square x 14 Gauge Pickets, Add	*284.06*	
32 31 19 00-0143	EA	16' Wide x 7' High Steel Tube Double Swing Gate	3,406.58	118.17
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*741.15*	
		For Aluminum With Satin Finish, Add	*870.01*	
		For Third Rail, Add	*230.17*	
		For 1" Square x 14 Gauge Pickets, Add	*306.89*	
32 31 19 00-0144	EA	18' Wide x 7' High Steel Tube Double Swing Gate	3,721.14	132.15
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*808.93*	
		For Aluminum With Satin Finish, Add	*946.40*	
		For Third Rail, Add	*250.76*	
		For 1" Square x 14 Gauge Pickets, Add	*334.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0145	EA	20' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,930.55	147.45
		For Solid Pickets, Add	*852.78*	
		For Aluminum With Satin Finish, Add	*989.62*	
		For Third Rail, Add	*263.20*	
		For 1" Square x 14 Gauge Pickets, Add	*350.93*	
32 31 19 00-0146		**8' Fence Height Steel Tube Swing Gates, 2 Rail** *(32 31 19 00-0045)*		
32 31 19 00-0147	EA	3' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,097.62	33.01
		For Solid Pickets, Add	*239.54*	
		For Aluminum With Satin Finish, Add	*284.72*	
		For Third Rail, Add	*74.89*	
		For 1" Square x 14 Gauge Pickets, Add	*99.86*	
32 31 19 00-0148	EA	3'-6" Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,151.27	34.77
		For Solid Pickets, Add	*251.20*	
		For Aluminum With Satin Finish, Add	*298.34*	
		For Third Rail, Add	*78.51*	
		For 1" Square x 14 Gauge Pickets, Add	*104.67*	
32 31 19 00-0149	EA	4' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,208.48	36.64
		For Solid Pickets, Add	*263.66*	
		For Aluminum With Satin Finish, Add	*313.03*	
		For Third Rail, Add	*82.38*	
		For 1" Square x 14 Gauge Pickets, Add	*109.85*	
32 31 19 00-0150	EA	5' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,260.37	40.82
		For Solid Pickets, Add	*274.38*	
		For Aluminum With Satin Finish, Add	*322.90*	
		For Third Rail, Add	*85.33*	
		For 1" Square x 14 Gauge Pickets, Add	*113.77*	
32 31 19 00-0151	EA	6' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,490.31	46.22
		For Solid Pickets, Add	*324.92*	
		For Aluminum With Satin Finish, Add	*384.71*	
		For Third Rail, Add	*101.38*	
		For 1" Square x 14 Gauge Pickets, Add	*135.17*	
32 31 19 00-0152	EA	7' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,659.79	55.67
		For Solid Pickets, Add	*360.91*	
		For Aluminum With Satin Finish, Add	*422.67*	
		For Third Rail, Add	*111.94*	
		For 1" Square x 14 Gauge Pickets, Add	*149.25*	
32 31 19 00-0153	EA	8' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,735.44	64.81
		For Solid Pickets, Add	*375.87*	
		For Aluminum With Satin Finish, Add	*432.99*	
		For Third Rail, Add	*115.55*	
		For 1" Square x 14 Gauge Pickets, Add	*154.07*	
32 31 19 00-0154	EA	9' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,862.13	74.39
		For Solid Pickets, Add	*402.23*	
		For Aluminum With Satin Finish, Add	*458.12*	
		For Third Rail, Add	*122.91*	
		For 1" Square x 14 Gauge Pickets, Add	*163.88*	
32 31 19 00-0155	EA	10' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,972.76	83.95
		For Solid Pickets, Add	*424.97*	
		For Aluminum With Satin Finish, Add	*478.44*	
		For Third Rail, Add	*129.06*	
		For 1" Square x 14 Gauge Pickets, Add	*172.08*	
32 31 19 00-0156	EA	6' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,151.48	53.36
		For Solid Pickets, Add	*472.64*	
		For Aluminum With Satin Finish, Add	*576.81*	
		For Third Rail, Add	*149.92*	
		For 1" Square x 14 Gauge Pickets, Add	*199.90*	
32 31 19 00-0157	EA	7' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,282.81	64.37
		For Solid Pickets, Add	*499.83*	
		For Aluminum With Satin Finish, Add	*602.05*	
		For Third Rail, Add	*157.41*	
		For 1" Square x 14 Gauge Pickets, Add	*209.88*	
32 31 19 00-0158	EA	8' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,411.13	74.93
		For Solid Pickets, Add	*526.44*	
		For Aluminum With Satin Finish, Add	*626.94*	
		For Third Rail, Add	*164.77*	
		For 1" Square x 14 Gauge Pickets, Add	*219.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0159	EA	9' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,519.29	86.04
		For Solid Pickets, Add	*548.41*	
		For Aluminum With Satin Finish, Add	*645.22*	
		For Third Rail, Add	*170.52*	
		For 1" Square x 14 Gauge Pickets, Add	*227.36*	
32 31 19 00-0160	EA	10' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,927.02	97.05
		For Solid Pickets, Add	*637.79*	
		For Aluminum With Satin Finish, Add	*753.38*	
		For Third Rail, Add	*198.74*	
		For 1" Square x 14 Gauge Pickets, Add	*264.98*	
32 31 19 00-0161	EA	12' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,645.08	109.27
		For Solid Pickets, Add	*796.72*	
		For Aluminum With Satin Finish, Add	*953.00*	
		For Third Rail, Add	*249.96*	
		For 1" Square x 14 Gauge Pickets, Add	*333.28*	
32 31 19 00-0162	EA	14' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,339.07	123.24
		For Solid Pickets, Add	*724.88*	
		For Aluminum With Satin Finish, Add	*843.23*	
		For Third Rail, Add	*224.01*	
		For 1" Square x 14 Gauge Pickets, Add	*298.69*	
32 31 19 00-0163	EA	16' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,577.66	139.42
		For Solid Pickets, Add	*775.11*	
		For Aluminum With Satin Finish, Add	*894.10*	
		For Third Rail, Add	*238.46*	
		For 1" Square x 14 Gauge Pickets, Add	*317.95*	
32 31 19 00-0164	EA	18' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,944.12	157.12
		For Solid Pickets, Add	*853.75*	
		For Aluminum With Satin Finish, Add	*981.16*	
		For Third Rail, Add	*262.13*	
		For 1" Square x 14 Gauge Pickets, Add	*349.51*	
32 31 19 00-0165	EA	20' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	4,029.53	177.04
		For Solid Pickets, Add	*868.70*	
		For Aluminum With Satin Finish, Add	*981.19*	
		For Third Rail, Add	*264.27*	
		For 1" Square x 14 Gauge Pickets, Add	*352.36*	

32 31 19 00-0166 Replace Steel Tube Fence Pickets *(32 31 19 00-0032)*

32 31 19 00-0167	LF	Removal And Replacement Of 3/4" Square x 16 Gauge Steel Tube Fence Picket	31.61	
		For 1" Square x 14 Gauge Pickets, Add	*0.96*	

32 31 19 00-0168 Removal And Reinstallation Of Ornamental Fences *(32 31 19)*

Note: Including storage and cleaning. Excludes augering and concrete.

32 31 19 00-0169	LF	Removal And Reinstallation Of Ornamental Fence Up To 5' Height	49.51	
32 31 19 00-0170	LF	Removal And Reinstallation Of Ornamental Fence, 6' Height	54.47	
32 31 19 00-0171	LF	Removal And Reinstallation Of Ornamental Fence, 7' Height	59.42	
32 31 19 00-0172	LF	Removal And Reinstallation Of Ornamental Fence, 8' Height	64.37	
32 31 19 00-0173	LF	Removal And Reinstallation Of Ornamental Fence, 9' Height	69.32	
32 31 19 00-0174	LF	Removal And Reinstallation Of Ornamental Fence, 10' Height	74.28	
32 31 19 00-0175	LF	Removal And Reinstallation Of Ornamental Fence 12' Height	82.53	

32 31 23 Plastic Fences and Gates *(32 31)*

32 31 23 00-0001 Vinyl Fence *(32 31 23)*

32 31 23 00-0002 Privacy Tongue And Groove Vinyl Fence *(32 31 23 00-0001)*

Note: With 1-1/2" x 5-1/2" top and bottom rails, 5" x 5" posts installed 7' centers. Post includes flat cap.

32 31 23 00-0003	LF	3' High Privacy Tongue And Groove Vinyl Fence	58.12	5.52
32 31 23 00-0004	LF	4' High Privacy Tongue And Groove Vinyl Fence	65.00	6.63
32 31 23 00-0005	LF	5' High Privacy Tongue And Groove Vinyl Fence	72.49	7.72
32 31 23 00-0006	LF	6' High Privacy Tongue And Groove Vinyl Fence	79.81	8.83

32 31 23 00-0007 Semi-Privacy 6" Picket Vinyl Fence *(32 31 23 00-0001)*

Note: With 1-1/2" x 5-1/2" top and bottom rails, 2" x 3-1/2" mid rail, 5" x 5" posts installed 6' centers. Post includes flat cap.

32 31 23 00-0008	LF	5' High Semi-Privacy 6" Picket Vinyl Fence	77.80	7.72
32 31 23 00-0009	LF	6' High Semi-Privacy 6" Picket Vinyl Fence	85.17	8.83

32 31 23 00-0010 Picket Straight Top Vinyl Fence *(32 31 23 00-0001)*

Note: With 2-1/2" x 3-1/2" top rail, 1-1/2" x 5-1/2" bottom rail, 1-3/8" x 1-3/8" or 1" x 3" pickets, 5" x 5" posts installed 6' centers. Post includes flat cap.

32 31 23 00-0011	LF	3' High Picket Straight Top Vinyl Fence	53.44	5.52
32 31 23 00-0012	LF	4' High Picket Straight Top Vinyl Fence	60.57	6.63
32 31 23 00-0013	LF	5' High Picket Straight Top Vinyl Fence	69.39	7.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 23 00-0014	LF	6' High Picket Straight Top Vinyl Fence	76.77	8.83
32 31 23 00-0015		**Picket Scalloped Top Vinyl Fence** *(32 31 23 00-0001)* Note: With 2-1/2" x 3-1/2" top rail, 1-1/2" x 5-1/2" bottom rail, 1-3/8" x 1-3/8" or 1" x 3" pickets, 5" x 5" posts installed 6' centers. Post includes flat cap.		
32 31 23 00-0016	LF	3' High Picket Scalloped Top Vinyl Fence	59.46	5.52
32 31 23 00-0017	LF	4' High Picket Scalloped Top Vinyl Fence	66.77	6.63
32 31 23 00-0018	LF	5' High Picket Scalloped Top Vinyl Fence	75.19	7.72
32 31 23 00-0019	LF	6' High Picket Scalloped Top Vinyl Fence	82.75	8.83
32 31 23 00-0020		**Post And Rail Vinyl Fence, Ranch Style** *(32 31 23 00-0001)* Note: With 1-1/2" x 5-1/2" rails, 5" x 5" posts installed 8' centers. Post includes flat cap.		
32 31 23 00-0021	LF	5' High, 2 Rail, Post And Rail Vinyl Fence	20.56	5.52
32 31 23 00-0022	LF	6-1/2' High, 3 Rail, Post And Rail Vinyl Fence	26.54	6.63
32 31 23 00-0023	LF	7' High, 4 Rail, Post And Rail Vinyl Fence	30.72	7.17
32 31 23 00-0024		**Post, Rails And Pickets (Traditional Style) Vinyl Fence** *(32 31 23 00-0001)* Note: With top and bottom 3" x 3" rails, 5" x 5" posts and 1-1/2" x 1-1/2" pickets. Post includes flat cap.		
32 31 23 00-0025	LF	3' High Rail And Picket Vinyl Fence, 72" On Center Posts	69.76	6.07
32 31 23 00-0026	LF	4' High Rail And Picket Vinyl Fence, 72" On Center Posts	76.03	7.17
32 31 23 00-0027	LF	3' High Rail And Picket Vinyl Fence, 96" On Center Posts	65.87	5.52
32 31 23 00-0028	LF	4' High Rail And Picket Vinyl Fence, 96" On Center Posts	71.45	6.63
32 31 23 00-0029		**Vinyl Gates** *(32 31 23)*		
32 31 23 00-0030		**Gates For Privacy And Semi-Privacy Fences** *(32 31 23 00-0029)* Note: Includes hinges.		
32 31 23 00-0031		**3' High Gates For Privacy And Semi-Privacy Fences** *(32 31 23 00-0030)*		
32 31 23 00-0032	EA	3' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	645.08	55.19
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0033	EA	3' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	684.70	57.95
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0034	EA	3' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	752.21	60.71
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0035	EA	3' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	844.51	63.47
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0036		**4' High Gates For Privacy And Semi-Privacy Fences** *(32 31 23 00-0030)*		
32 31 23 00-0037	EA	4' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	684.70	57.95
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0038	EA	4' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	708.81	60.71
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0039	EA	4' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	788.72	63.47
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0040	EA	4' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	927.52	66.23
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0041		**5' High Gates For Privacy And Semi-Privacy Fences** *(32 31 23 00-0030)*		
32 31 23 00-0042	EA	5' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	708.81	60.71
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0043	EA	5' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	739.12	63.47
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0044	EA	5' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	850.03	66.23
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0045	EA	5' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	995.04	68.99
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0046		**6' High Gates For Privacy And Semi-Privacy Fences** *(32 31 23 00-0030)*		
32 31 23 00-0047	EA	6' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	744.64	66.23
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 23 00-0048	EA	6' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	774.96	68.99
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0049	EA	6' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	938.56	71.75
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0050	EA	6' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	1,037.07	71.75
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	

32 31 23 00-0051 Gates For Picket Fences *(32 31 23 00-0029)*

Note: Includes hinges.

32 31 23 00-0052 3' High Gates For Picket Fences *(32 31 23 00-0051)*

32 31 23 00-0053	EA	3' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set	617.18	55.19
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0054	EA	3' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set	641.30	57.95
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0055	EA	3' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set	721.21	60.71
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0056	EA	3' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set	860.01	63.47
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	

32 31 23 00-0057 4' High Gates For Picket Fences *(32 31 23 00-0051)*

32 31 23 00-0058	EA	4' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set	622.70	57.95
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0059	EA	4' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set	646.82	60.71
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0060	EA	4' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set	726.72	63.47
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0061	EA	4' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set	865.53	66.23
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	

32 31 23 00-0062 5' High Gates For Picket Fences *(32 31 23 00-0051)*

32 31 23 00-0063	EA	5' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set	646.82	60.71
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0064	EA	5' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set	677.13	63.47
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0065	EA	5' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set	788.04	66.23
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0066	EA	5' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set	933.04	68.99
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	

32 31 23 00-0067 6' High Gates For Picket Fences *(32 31 23 00-0051)*

32 31 23 00-0068	EA	6' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set	682.65	66.23
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0069	EA	6' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set	712.96	68.99
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0070	EA	6' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set	876.57	71.75
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0071	EA	6' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set	975.08	74.51
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	

32 31 23 00-0072 Gates Accessories *(32 31 23 00-0029)*

32 31 23 00-0073	EA	Gate Stop/Drop Rod	139.17
32 31 23 00-0074	EA	Latch Set	94.22
32 31 23 00-0075	EA	Stainless Steel Latch Set	139.17

32 31 26 Wire Fences and Gates *(32 31)*

32 31 26 13 Wire Fences with Steel Posts *(32 31 26)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 26 13-0001		**Chicken Wire** *(32 31 26 13)* Note: Posts at 4'.		
32 31 26 13-0002	LF	4' High, 1" Mesh, Chicken Wire Fence, Metal Posts At 4'	9.29	2.00
32 31 26 13-0003	LF	6' High, 2" Mesh, Chicken Wire Fence, Metal Posts At 4'	10.17	2.00
32 31 26 13-0004		**Wire And Screen** *(32 31 26 13)*		
32 31 26 13-0005		**Wire And Screen For Partitions And Fences** *(32 31 26 13-0004)* Note: Excludes framing and post.		
32 31 26 13-0006		**Screen Wire** *(32 31 26 13-0005)*		
32 31 26 13-0007	LF	Screen Wire, 48" Wide Rolls	13.44	1.11
32 31 26 13-0008		**Hog Wire** *(32 31 26 13-0005)*		
32 31 26 13-0009	SF	4" x 4" Hog Wire For Fencing	2.32	0.89
32 31 26 13-0010	SF	6" x 6" Hog Wire For Fencing	2.43	1.00
32 31 26 13-0011		**Non-Climb Horse Fence** *(32 31 26 13-0005)*		
32 31 26 13-0012	LF	4' Non-Climb Woven, 12.5 Gauge, Horse Fence	10.61	3.56
32 31 26 13-0013	LF	5' Non-Climb Woven, 12.5 Gauge, Horse Fence	13.65	4.45
32 31 26 13-0014	LF	6' Non-Climb Woven, 12.5 Gauge, Horse Fence	17.22	5.34
32 31 26 13-0015		**Screen For Partitions And Ceilings** *(32 31 26 13-0004)* Note: Can be used to support insulation on walls and ceilings.		
32 31 26 13-0016	SF	1" Mesh Chicken Wire	2.33	0.63
32 31 26 13-0017		**Wicket Fence** *(32 31 26 13)*		
32 31 26 13-0018	LF	Steel Wicket Fence, Painted	87.76	5.44
32 31 29		**Wood Fences and Gates** *(32 31)* See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.		
32 31 29 00-0001		**Basket Weave** *(32 31 29)* Note: 3/8" x 4" boards, 4" x 4" post		
32 31 29 00-0002	LF	6' High #1 Cedar Basket Weave Fence 3/8" x 4" Boards, 4" x 4" Post	46.52	4.00
		For Fastening With Screws Instead Of Nails, Add	*2.74*	
32 31 29 00-0003	LF	6' High, Pressure Treated Pine Basket Weave 3/8" x 4" Boards, 4" x 4" Post	31.11	4.00
		For Fastening With Screws Instead Of Nails, Add	*2.00*	
32 31 29 00-0004		**Board Fence** *(32 31 29)* Note: 1x4" board, 2x4" rail, 4x4" post.		
32 31 29 00-0005	LF	Two 2" x 4" Rails, 3' High 1" x 4" Boards, Preservative Treated Board Fence	30.49	4.00
		For 1" x 6" Boards, Deduct	*-3.25*	
		For 1" x 3" Boards (Stockade Top), Add	*4.05*	
		For Fastening With Screws Instead Of Nails, Add	*1.99*	
32 31 29 00-0006	LF	Two 2" x 4" Rails, 4' High 1" x 4" Boards, Preservative Treated Board Fence	33.89	4.00
		For 1" x 6" Boards, Deduct	*-3.53*	
		For 1" x 3" Boards (Stockade Top), Add	*4.38*	
		For Fastening With Screws Instead Of Nails, Add	*2.19*	
32 31 29 00-0007	LF	Three 2" x 4" Rails, 5' High 1" x 4" Boards, Preservative Treated Board Fence	37.77	4.00
		For 1" x 6" Boards, Deduct	*-3.77*	
		For 1" x 3" Boards (Stockade Top), Add	*4.63*	
		For Fastening With Screws Instead Of Nails, Add	*2.40*	
32 31 29 00-0008	LF	Three 2" x 4" Rails, 6' High 1" x 4" Boards, Preservative Treated Board Fence	40.30	4.00
		For 1" x 6" Boards, Deduct	*-3.96*	
		For 1" x 3" Boards (Stockade Top), Add	*4.84*	
		For Fastening With Screws Instead Of Nails, Add	*2.55*	
32 31 29 00-0009	LF	Three 2" x 4" Rails, 8' High 1" x 4" Boards, Preservative Treated Board Fence	43.04	4.00
		For 1" x 6" Boards, Deduct	*-4.16*	
		For 1" x 3" Boards (Stockade Top), Add	*5.07*	
		For Fastening With Screws Instead Of Nails, Add	*2.71*	
32 31 29 00-0010	LF	Two 2" x 4" Rails, 3' High 1" x 4" #2 Grade Western Cedar Board Fence	32.53	4.00
		For 1" x 6" Boards, Deduct	*-3.33*	
		For 1" x 3" Boards (Stockade Top), Add	*4.11*	
		For Fastening With Screws Instead Of Nails, Add	*2.09*	
32 31 29 00-0011	LF	Two 2" x 4" Rails, 4' High 1" x 4" #2 Grade Western Cedar Board Fence	35.46	4.00
		For 1" x 6" Boards, Deduct	*-3.60*	
		For 1" x 3" Boards (Stockade Top), Add	*4.43*	
		For Fastening With Screws Instead Of Nails, Add	*2.27*	
32 31 29 00-0012	LF	Three 2" x 4" Rails, 5' High 1" x 4" #2 Grade Western Cedar Board Fence	37.77	4.00
		For 1" x 6" Boards, Deduct	*-3.77*	
		For 1" x 3" Boards (Stockade Top), Add	*4.63*	
		For Fastening With Screws Instead Of Nails, Add	*2.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 29 00-0013	LF	Three 2" x 4" Rails, 6' High 1" x 4" #2 Grade Western Cedar Board Fence	40.30	4.00
		For 1" x 6" Boards, Deduct	*-3.96*	
		For 1" x 3" Boards (Stockade Top), Add	*4.84*	
		For Fastening With Screws Instead Of Nails, Add	*2.55*	
32 31 29 00-0014	LF	Three 2" x 4" Rails, 8' High 1" x 4" #2 Grade Western Cedar Board Fence	43.04	4.00
		For 1" x 6" Boards, Deduct	*-4.16*	
		For 1" x 3" Boards (Stockade Top), Add	*5.07*	
		For Fastening With Screws Instead Of Nails, Add	*2.71*	
32 31 29 00-0015	LF	Two 2" x 4" Rails, 3' High 1" x 4" #1 Grade Cedar Board Fence	32.53	4.00
		For 1" x 6" Boards, Deduct	*-3.33*	
		For 1" x 3" Boards (Stockade Top), Add	*4.11*	
		For Fastening With Screws Instead Of Nails, Add	*2.09*	
32 31 29 00-0016	LF	Two 2" x 4" Rails, 4' High 1" x 4" #1 Grade Cedar Board Fence	42.40	4.00
		For 1" x 6" Boards, Deduct	*-3.87*	
		For 1" x 3" Boards (Stockade Top), Add	*4.64*	
		For Fastening With Screws Instead Of Nails, Add	*2.61*	
32 31 29 00-0017	LF	Three 2" x 4" Rails, 5' High 1" x 4" #1 Grade Cedar Board Fence	44.43	4.00
		For 1" x 6" Boards, Deduct	*-4.04*	
		For 1" x 3" Boards (Stockade Top), Add	*4.83*	
		For Fastening With Screws Instead Of Nails, Add	*2.74*	
32 31 29 00-0018	LF	Three 2" x 4" Rails, 6' High 1" x 4" #1 Grade Cedar Board Fence	47.75	4.00
		For 1" x 6" Boards, Deduct	*-4.26*	
		For 1" x 3" Boards (Stockade Top), Add	*5.07*	
		For Fastening With Screws Instead Of Nails, Add	*2.92*	
32 31 29 00-0019	LF	Three 2" x 4" Rails, 8' High 1" x 4" #1 Grade Cedar Board Fence	51.34	4.00
		For 1" x 6" Boards, Deduct	*-4.50*	
		For 1" x 3" Boards (Stockade Top), Add	*5.31*	
		For Fastening With Screws Instead Of Nails, Add	*3.12*	
32 31 29 00-0020		**Shadow Box** *(32 31 29)*		
		Note: 1x6" board, 2x4" Rail, 4x4" post.		
32 31 29 00-0021	LF	Shadow Box, 3 - 2" x 4" Rails, 6' High 1" x 6" Pressure Treated Pine	64.21	4.00
		For Fastening With Screws Instead Of Nails, Add	*3.63*	
32 31 29 00-0022	LF	Shadow Box, 3 - 2" x 4" Rails, 4' High 1" x 4" #1 Cedar	80.60	4.00
		For Fastening With Screws Instead Of Nails, Add	*4.52*	
32 31 29 00-0023	LF	Shadow Box, 3 - 2" x 4" Rails, 6' High 1" x 4" #1 Cedar	87.77	4.00
		For Fastening With Screws Instead Of Nails, Add	*4.90*	
32 31 29 00-0024	LF	Shadow Box, 3 - 2" x 4" Rails, 8' High 1" x 4" #1 Cedar	94.31	4.00
		For Fastening With Screws Instead Of Nails, Add	*5.27*	
32 31 29 00-0025		**Open Rail Fence** *(32 31 29)*		
32 31 29 00-0026		**Post And Rail Fence, Ranch Style** *(32 31 29 00-0025)*		
32 31 29 00-0027	LF	Post And Rail Fence, 2 Rails, 3' High #1 Cedar	30.42	4.00
32 31 29 00-0028	LF	Post And Rail Fence, 2 Rails, 3' High #2 Cedar	23.96	4.00
32 31 29 00-0029	LF	Post And Rail Fence, 3 Rails, 4' High #1 Cedar	35.94	4.00
32 31 29 00-0030	LF	Post And Rail Fence, 3 Rails, 4' High #2 Cedar	25.87	4.00
32 31 29 00-0031		**Split Rail Fence** *(32 31 29 00-0025)*		
32 31 29 00-0032	LF	Split Rail Fence, 2 Rails, 3' High #1 Cedar	28.76	4.00
32 31 29 00-0033	LF	Split Rail Fence, 2 Rails, 3' High #2 Cedar	23.89	4.00
32 31 29 00-0034	LF	Split Rail Fence, 3 Rail, 4' High #1 Cedar	32.76	4.00
32 31 29 00-0035	LF	Split Rail Fence, 3 Rail, 4' High #2 Cedar	26.81	4.00
32 31 29 00-0036		**Picket Fence** *(32 31 29)*		
32 31 29 00-0037	LF	Picket Fence, 2 Rail, 3' High, Pressure Treated	34.76	4.00
		For Fastening With Screws Instead Of Nails, Add	*2.22*	
32 31 29 00-0038	LF	Picket Fence, 2 Rail, 3' High #1 Cedar	32.54	4.00
		For Fastening With Screws Instead Of Nails, Add	*2.10*	
32 31 29 00-0039		**Wood Fence Post Accessories** *(32 31 29)*		
32 31 29 00-0040	EA	3-1/2" x 3-1/2" Copper, Pyramid Slip Over, Wood Fence Post Cap	49.06	
32 31 29 00-0041	EA	4" x 4" Copper, Pyramid Slip Over, Wood Fence Post Cap	54.86	
32 31 29 00-0042	EA	6" x 6" Copper, Pyramid Slip Over, Wood Fence Post Cap	59.79	
32 31 29 00-0043	EA	8" x 8" Copper, Pyramid Slip Over, Wood Fence Post Cap	87.96	
32 31 29 00-0044		**Wood Gate** *(32 31 29)*		
32 31 29 00-0045		**Board Fence Gates, Pressure Treated Wood** *(32 31 29 00-0044)*		
		Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (treated lumber).		
32 31 29 00-0046	EA	3' To 5' High x 3' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	455.83	139.77
32 31 29 00-0047	EA	3' To 5' High x 3'-6" Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	504.32	148.16
32 31 29 00-0048	EA	3' To 5' High x 4' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	564.01	162.13
32 31 29 00-0049	EA	3' To 5' High x 5' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	640.71	170.52
32 31 29 00-0050	EA	3' To 5' High x 6' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	717.42	178.91
32 31 29 00-0051	EA	>5' To 8' High x 3' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	580.53	184.50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 29 00-0052	EA	>5' To 8' High x 3'-6" Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	632.55	192.89
32 31 29 00-0053	EA	>5' To 8' High x 4' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	684.59	201.27
32 31 29 00-0054	EA	>5' To 8' High x 5' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	771.86	209.66
32 31 29 00-0055	EA	>5' To 8' High x 6' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	841.52	218.04

32 31 29 00-0056 Board Fence Gates, Grade 2 Cedar *(32 31 29 00-0044)*

Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (cedar lumber)

32 31 29 00-0057	EA	3' To 5' High x 3' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	725.98	125.02
32 31 29 00-0058	EA	3' To 5' High x 3'-6" Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	751.56	132.53
32 31 29 00-0059	EA	3' To 5' High x 4' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	790.67	145.02
32 31 29 00-0060	EA	3' To 5' High x 5' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	833.87	152.53
32 31 29 00-0061	EA	3' To 5' High x 6' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	887.66	160.03
32 31 29 00-0062	EA	>5' To 8' High x 3' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	858.88	165.03
32 31 29 00-0063	EA	>5' To 8' High x 3'-6" Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	891.51	172.52
32 31 29 00-0064	EA	>5' To 8' High x 4' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	941.77	180.03
32 31 29 00-0065	EA	>5' To 8' High x 5' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	992.02	187.53
32 31 29 00-0066	EA	>5' To 8' High x 6' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	1,042.28	195.03

32 31 29 00-0067 Board Fence Gates, Grade 1 Cedar *(32 31 29 00-0044)*

Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (cedar lumber)

32 31 29 00-0068	EA	3' To 5' High x 3' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	778.86	125.02
32 31 29 00-0069	EA	3' To 5' High x 3'-6" Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	811.49	132.53
32 31 29 00-0070	EA	3' To 5' High x 4' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	854.13	145.02
32 31 29 00-0071	EA	3' To 5' High x 5' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	904.39	152.53
32 31 29 00-0072	EA	3' To 5' High x 6' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	954.64	160.03
32 31 29 00-0073	EA	>5' To 8' High x 3' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	929.40	165.03
32 31 29 00-0074	EA	>5' To 8' High x 3'-6" Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	962.02	172.52
32 31 29 00-0075	EA	>5' To 8' High x 4' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	1,012.28	180.03
32 31 29 00-0076	EA	>5' To 8' High x 5' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	1,062.53	187.53
32 31 29 00-0077	EA	>5' To 8' High x 6' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	1,130.42	195.03

32 31 29 00-0078 Pressure Treated Wood Fence Posts *(32 31 29)*

See CSI section 32 31 13 13-0001 for drilling augering, 32 31 13 13-0698 for barbed wire, 32 31 56 00-0017 for barbed wire.

32 31 29 00-0079	EA	4' High, Pressure Treated Wood Fence Posts, Set In Soil, Earth Fill	43.36	13.98
32 31 29 00-0080	EA	6' High, Pressure Treated Wood Fence Posts, Set In Soil, Earth Fill	48.93	13.98
32 31 29 00-0081	EA	4' High, Pressure Treated Wood Fence Posts, Set In Concrete	76.23	26.83
32 31 29 00-0082	EA	6' High, Pressure Treated Wood Fence Posts, Set In Concrete	82.58	26.83

32 31 29 00-0083 Wood Utility Pole Fence *(32 31 29)*

Note: Excludes post holes. See CSI section 32 31 13 13-0001 for drilling augering and backfill.

32 31 29 00-0084	LF	Wood Utility Pole Barrier Fence Note: Includes notching post, drilling and pinned with #5 rebar.	58.48	4.00

32 31 29 00-0085 Wood Rail Fence *(32 31 29)*

Note: 3" diameter treated lodgepole pine rails, 6" diameter treated lodgepole pine post. Posts at 8' centers. Excludes post holes and fill

32 31 29 00-0086	LF	4' Above Ground Wood Rail Fence, 3 - 3" Diameter Treated Lodgepole Pine Rails, 6" Diameter, 6' Overall Treated Lodgepole Pine Post	30.30	4.00

32 31 34 Tubular Barrier Gates *(32 31)*

32 31 34 00-0001 Tube Gate *(32 31 34)*

See CSI section 32 31 13 13-0001 for augering post holes and concrete fill, 32 31 13 13-0672 for gate accessories.

32 31 34 00-0002 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate *(32 31 34 00-0001)*

Note: Round top edges. Includes lag bolt hinges, lock plate and hardware. Excludes augering, concrete, bollard and chain.

32 31 34 00-0003	EA	4' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate	215.93	29.71
		For 13 Gauge Tubing, Add	*34.38*	
		For Galvanized Finish, Add	*19.19*	
32 31 34 00-0004	EA	6' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate	280.76	38.51
		For 13 Gauge Tubing, Add	*44.60*	
		For Galvanized Finish, Add	*24.78*	
32 31 34 00-0005	EA	8' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate	378.23	49.51
		For 13 Gauge Tubing, Add	*60.79*	
		For Galvanized Finish, Add	*34.45*	
32 31 34 00-0006	EA	10' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate	437.47	61.62
		For 13 Gauge Tubing, Add	*68.79*	
		For Galvanized Finish, Add	*37.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 34 00-0007	EA	12' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate	518.83	73.28
		For 13 Gauge Tubing, Add	*81.76*	
		For Galvanized Finish, Add	*44.82*	
32 31 34 00-0008	EA	14' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate	567.07	82.53
		For 13 Gauge Tubing, Add	*88.66*	
		For Galvanized Finish, Add	*47.92*	
32 31 34 00-0009	EA	16' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate	665.45	95.18
		For 13 Gauge Tubing, Add	*104.48*	
		For Galvanized Finish, Add	*56.90*	

32 31 34 00-0010 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate *(32 31 34 00-0001)*

Note: Round top edges. Includes lag bolt hinges, lock plate and hardware. Excludes augering and concrete.

32 31 34 00-0011	EA	4' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	280.03	29.71
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*76.80*	
32 31 34 00-0012	EA	6' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	335.90	38.51
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*88.14*	
32 31 34 00-0013	EA	8' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	402.22	49.51
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*101.47*	
32 31 34 00-0014	EA	10' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	464.80	61.62
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*111.10*	
32 31 34 00-0015	EA	12' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	527.77	73.28
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*123.08*	
32 31 34 00-0016	EA	14' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	584.99	82.53
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*134.96*	
32 31 34 00-0017	EA	16' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	654.22	95.18
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*147.25*	
32 31 34 00-0018	EA	18' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	751.37	107.12
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*170.71*	
32 31 34 00-0019	EA	20' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	834.54	119.83
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*201.77*	

32 31 34 00-0020 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate *(32 31 34 00-0001)*

Note: Round top edges. Includes lag bolt hinges, lock plate and hardware. Excludes augering and concrete.

32 31 34 00-0021	EA	4' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	302.53	29.71
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*85.80*	
32 31 34 00-0022	EA	6' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	358.02	38.51
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*96.99*	
32 31 34 00-0023	EA	8' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	417.22	49.51
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*107.47*	
32 31 34 00-0024	EA	10' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	486.67	61.62
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*119.84*	
32 31 34 00-0025	EA	12' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	543.58	73.28
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*129.41*	
32 31 34 00-0026	EA	14' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	621.90	82.53
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*149.73*	
32 31 34 00-0027	EA	16' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	694.30	95.18
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*163.28*	
32 31 34 00-0028	EA	18' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	812.52	107.12
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*195.17*	
32 31 34 00-0029	EA	20' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	889.53	119.83
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*223.77*	

32 31 34 00-0030 Tubular Steel Barrier Gate (Triangular Shape) *(32 31 34 00-0001)*

Note: Includes posts, caps, welded hinges and lock keeper. Excludes augering, concrete, and bollards.

32 31 34 00-0031	EA	4' High x 10' Wide Opening Tubular Galvanized Steel Barrier Gate With 3" Diameter Post	2,283.56	61.62
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*742.42*	
32 31 34 00-0032	EA	4' High x 12' Wide Opening Tubular Galvanized Steel Barrier Gate With 3" Diameter Post	2,478.70	73.28
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*796.05*	
32 31 34 00-0033	EA	4' High x 14' Wide Opening Tubular Galvanized Steel Barrier Gate With 3" Diameter Post	2,935.18	82.53
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*956.64*	
32 31 34 00-0034	EA	4' High x 10' Wide Opening Tubular Galvanized Steel Barrier Gate With 4" Diameter Post	2,368.98	61.62
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*776.30*	
32 31 34 00-0035	EA	4' High x 12' Wide Opening Tubular Galvanized Steel Barrier Gate With 4" Diameter Post	2,576.30	73.28
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*834.76*	
32 31 34 00-0036	EA	4' High x 14' Wide Opening Tubular Galvanized Steel Barrier Gate With 4" Diameter Post	3,032.79	82.53
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*995.34*	

32 31 34 00-0037 Four Rail Tube Gate, 1-1/2" Diameter Welded Galvanized Steel Tubing *(32 31 34 00-0001)*

Note: Excludes augering holes and concrete.

32 31 34 00-0038	EA	4' Four Rail Metal Frame Tube Gate, 1-1/2" Diameter Welded Galvanized Steel With Posts	500.24	29.71
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*41.65*	

32 31 34 00-0039 Tubular Horse Gate *(32 31 34 00-0001)*

Note: Includes posts, caps and hardware. Treated with Natina (or Equal) galvanized surface stain "rustic brown finish". Excludes augering holes and concrete.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 34 00-0040	EA	5-1/2' Above Ground, 5' Wide Tubular Galvanized Steel Horse Gate With 3" Diameter Posts	3,145.36	29.71
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*840.01*	

32 31 34 00-0041 Pipe Gate *(32 31 34)*
Note: Excludes augering and concrete. See CSI section 32 31 13 13-0001 for augering post holes and concrete fill.

32 31 34 00-0042	EA	20' Galvanized Steel Pipe Gate, Swinging (Road Access Barrier)	4,247.60	
32 31 34 00-0043	EA	25' Galvanized Steel Pipe Gate, Swinging (Road Access Barrier)	5,310.89	
32 31 34 00-0044	EA	30' Galvanized Steel Pipe Gate, Swinging (Road Access Barrier)	6,327.71	

32 31 41 Precast Concrete Fences *(32 31)*

32 31 41 00-0001 Precast Post And Rail Fence, Ranch Style, With Integral Color Concrete. *(32 31 41)*
Note: Includes post holes, fill, spreading of excess material on site. See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.

32 31 41 00-0002	LF	Precast Post And Rail Fence With Integral Color Concrete, 2 Rails, 3' Above Ground With 2' Bury Note: Includes 12" diameter holes with concrete fill for line posts and 18" diameter holes with concrete fill at corners.	74.62	4.00

32 31 56 Wild Life Deterrent Fence *(32 31)*

32 31 56 00-0001 Barbed Wire Fences *(32 31 56)*
Note: Excludes post holes and fill See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.

32 31 56 00-0002 Fence Posts *(32 31 56 00-0001)*

32 31 56 00-0003 Fence Post Soil, Set In Concrete *(32 31 56 00-0002)*

32 31 56 00-0004	EA	Barbed Wire Fence Post, Galvanized Set In Concrete In Soil	106.12	8.80
		For Bracing On Corner Post, End Post And Pull Post, Add	*170.99*	
32 31 56 00-0005	EA	Barbed Wire Fence Post, Vinyl Coated Set In Concrete In Soil	142.26	8.80
		For Bracing On Corner Post, End Post And Pull Post, Add	*231.34*	

32 31 56 00-0006 Post In Rock *(32 31 56 00-0002)*

32 31 56 00-0007	EA	Barbed Wire Fence Post, Galvanized Grouted In Rock	104.20	8.80
		For Bracing On Corner Post, End Post And Pull Post, Add	*168.11*	
32 31 56 00-0008	EA	Barbed Wire Fence Post, Vinyl Coated Grouted In Rock	140.34	8.80
		For Bracing On Corner Post, End Post And Pull Post, Add	*228.46*	

32 31 56 00-0009 Studded Steel T-Posts, Enamel Paint Finish *(32 31 56 00-0001)*
Note: Posts for barb wire, chain link or welded wire mesh.

32 31 56 00-0010	EA	5' Studded Steel T-Post, Driven Into Earth	28.97	
32 31 56 00-0011	EA	5'-6" Studded Steel T-Post, Driven Into Earth	29.68	
32 31 56 00-0012	EA	6' Studded Steel T-Post, Driven Into Earth	31.01	
32 31 56 00-0013	EA	6'-6" Studded Steel T-Post, Driven Into Earth	32.34	
32 31 56 00-0014	EA	7' Studded Steel T-Post, Driven Into Earth	34.09	
32 31 56 00-0015	EA	8' Studded Steel T-Post, Driven Into Earth	38.38	
32 31 56 00-0016	EA	10' Studded Steel T-Post, Driven Into Earth	46.61	

32 31 56 00-0017 Barbed Wire *(32 31 56 00-0001)*
Note: Per strand.

32 31 56 00-0018	LF	Galvanized Barbed Wire For Wild Life Deterrent Fencing, Per Strand	0.97	0.44
32 31 56 00-0019	LF	Vinyl Coated Barbed Wire, For Wild Life Deterrent Fencing, Per Strand	1.11	0.44

32 31 56 00-0020 Barbed Wire Fence, Farm Style, With Wood Posts *(32 31 56 00-0001)*
Note: Based on post at 10' centers, two corner post and two pull post per 300 lf.

32 31 56 00-0021	LF	4'-6" Height, Three (3) Strand Barbed Wire Fence With Wood Posts Note: Posts at 10' maximum.	12.87	2.86

32 32 Retaining Walls *(32 30)*

32 32 13 Cast-In-Place Concrete Retaining Wall *(32 32)*

Note: System includes all necessary forms (4 uses), 3000 PSI concrete with an 8" chute, all necessary reinforcing steel, and underdrain. Exposed concrete is patched and rubbed. Excludes initial site grading, subbase preparation or finish grading.

32 32 13 00-0001 Concrete Retaining Walls *(32 32 13)*
Note: System elements include all necessary forms (4 uses), 3000 PSI concrete with an 8" chute, all necessary reinforcing steel, and underdrain. Exposed concrete is patched and rubbed. Excludes initial site grading, subbase preparation or finish grading.

32 32 13 00-0002	LF	4' High With Base, 10" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	397.48	145.10
		For >3:1 Sloped Soil At Top, Add	*9.13*	
32 32 13 00-0003	LF	6' High With Base, 10" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	495.85	178.55
		For >3:1 Sloped Soil At Top, Add	*11.79*	
32 32 13 00-0004	LF	8' High With Base, 10" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	540.13	192.59
		For >3:1 Sloped Soil At Top, Add	*13.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 13 00-0005	LF	10' High With Base, 13" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	688.11	238.13
		For >3:1 Sloped Soil At Top, Add	*18.02*	
32 32 13 00-0006	LF	12' High With Base, 14" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	793.03	273.52
		For >3:1 Sloped Soil At Top, Add	*20.90*	
32 32 13 00-0007	LF	16' High With Base, 16" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	1,147.21	401.27
		For >3:1 Sloped Soil At Top, Add	*29.31*	
32 32 13 00-0008	LF	20' High With Base, 18" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	1,574.87	553.97
		For >3:1 Sloped Soil At Top, Add	*39.68*	
32 32 13 00-0009	LF	4' High With Base, 12" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	436.81	158.46
		For >3:1 Sloped Soil At Top, Add	*10.19*	
32 32 13 00-0010	LF	6' High With Base, 12" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	534.70	190.93
		For >3:1 Sloped Soil At Top, Add	*13.00*	
32 32 13 00-0011	LF	8' High With Base, 12" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	566.18	199.22
		For >3:1 Sloped Soil At Top, Add	*14.26*	
32 32 13 00-0012	LF	10' High With Base, 16" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	778.95	267.00
		For >3:1 Sloped Soil At Top, Add	*20.81*	
32 32 13 00-0013	LF	12' High With Base, 18" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	987.63	342.95
		For >3:1 Sloped Soil At Top, Add	*25.65*	
32 32 13 00-0014	LF	16' High With Base, 21" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	1,480.90	519.85
		For >3:1 Sloped Soil At Top, Add	*37.51*	
32 32 13 00-0015	LF	20' High With Base, 24" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	2,090.00	733.79
		For >3:1 Sloped Soil At Top, Add	*52.91*	

32 32 16 Precast Concrete Retaining Walls *(32 32)*

32 32 16 00-0001 Precast Retaining Walls *(32 32 16)*

Note: Tied-back earth walls. Includes precast filter fabric, soil reinforcing mesh and cast-in-place coping. Excludes concrete leveling pad, or select earth excavation and backfill.

32 32 16 00-0002	SF	10-15' High, Tied-back, Precast Concrete Retaining Walls	101.45	14.34
32 32 16 00-0003	SF	16-20' High, Tied-back, Precast Concrete Retaining Walls	104.33	11.52
32 32 16 00-0004	SF	21-25' High, Tied-back, Precast Concrete Retaining Walls	108.30	9.60
32 32 16 00-0005	SF	26-30' High, Tied-back, Precast Concrete Retaining Walls	117.14	9.60
32 32 16 00-0006	SF	>30' High, Tied-back, Precast Concrete Retaining Walls	124.01	8.19

32 32 23 Segmental Retaining Walls *(32 32)*

32 32 23 13 Segmental Concrete Unit Masonry Retaining Walls *(32 32 23)*

32 32 23 13-0001 Modular Retaining Wall Systems *(32 32 23 13)*

Note: Includes installation, material and manufacturer's wall design. Includes stone wall, cap stones, #57 stone backing, Geo-Grid (2/3 height of wall), miradrain and fill with earth, and compaction. Includes cap at top, pins, and installation. Excludes initial site grading, subbase preparation or finish grading.

32 32 23 13-0002 "Amastone" Type Modular Retaining Wall Systems *(32 32 23 13-0001)*

32 32 23 13-0003	SF	Up To 4' Height "Amastone" Type Modular Retaining Wall System	68.42	8.83
		For >3:1 Sloped Soil At Top, Add	*4.32*	
32 32 23 13-0004	SF	4 To 8' Height "Amastone" Type Modular Retaining Wall System	72.19	9.29
		For >3:1 Sloped Soil At Top, Add	*4.56*	
32 32 23 13-0005	SF	8 To 12' Height "Amastone" Type Modular Retaining Wall System	75.26	10.22
		For >3:1 Sloped Soil At Top, Add	*4.66*	
32 32 23 13-0006	SF	12 To 16' Height "Amastone" Type Modular Retaining Wall System	78.51	11.15
		For >3:1 Sloped Soil At Top, Add	*4.78*	

32 32 23 13-0007 "Diamond" Type Modular Retaining Wall Systems *(32 32 23 13-0001)*

32 32 23 13-0008	SF	Up To 4' Height "Diamond" Type Modular Retaining Wall System	71.08	8.83
		For >3:1 Sloped Soil At Top, Add	*4.54*	
32 32 23 13-0009	SF	4 To 8' Height "Diamond" Type Modular Retaining Wall System	74.84	9.29
		For >3:1 Sloped Soil At Top, Add	*4.78*	
32 32 23 13-0010	SF	8 To 12' Height "Diamond" Type Modular Retaining Wall System	77.91	10.22
		For >3:1 Sloped Soil At Top, Add	*4.89*	
32 32 23 13-0011	SF	12 To 16' Height "Diamond" Type Modular Retaining Wall System	81.17	11.15
		For >3:1 Sloped Soil At Top, Add	*5.00*	

32 32 23 13-0012 "Keystone" Type Modular Retaining Wall Systems *(32 32 23 13-0001)*

32 32 23 13-0013	SF	Up To 4' Height "Keystone" Type Modular Retaining Wall System	77.42	8.83
		For >3:1 Sloped Soil At Top, Add	*5.08*	
32 32 23 13-0014	SF	4 To 8' Height "Keystone" Type Modular Retaining Wall System	81.18	9.29
		For >3:1 Sloped Soil At Top, Add	*5.32*	
32 32 23 13-0015	SF	8 To 12' Height "Keystone" Type Modular Retaining Wall System	84.26	10.22
		For >3:1 Sloped Soil At Top, Add	*5.43*	
32 32 23 13-0016	SF	12 To 16' Height "Keystone" Type Modular Retaining Wall System	87.51	11.15
		For >3:1 Sloped Soil At Top, Add	*5.54*	

32 32 23 13-0017 "Criblock" Type Modular Retaining Wall Systems *(32 32 23 13-0001)*

32 32 23 13-0018	SF	Up To 4' Height "Criblock" Type Modular Retaining Wall System	68.42	8.83
		For >3:1 Sloped Soil At Top, Add	*4.32*	
		For Gravel Backfill Instead Of Earth, Add	*0.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 23 13-0019	SF	4 To 8' Height "Criblock" Type Modular Retaining Wall System	72.19	9.29
		For >3:1 Sloped Soil At Top, Add	*4.56*	
		For Gravel Backfill Instead Of Earth, Add	*0.25*	
32 32 23 13-0020	SF	8 To 12' Height "Criblock" Type Modular Retaining Wall System	75.26	10.22
		For >3:1 Sloped Soil At Top, Add	*4.66*	
		For Gravel Backfill Instead Of Earth, Add	*0.25*	
32 32 23 13-0021	SF	12 To 16' Height "Criblock" Type Modular Retaining Wall System	78.51	11.15
		For >3:1 Sloped Soil At Top, Add	*4.78*	
		For Gravel Backfill Instead Of Earth, Add	*0.25*	
32 32 23 13-0022		**"Versa-Lok" Type Modular Retaining Wall Systems** *(32 32 23 13-0001)*		
32 32 23 13-0023	SF	Up To 4' Height "Versa-Lok" Type Modular Retaining Wall System	60.37	8.83
		For >3:1 Sloped Soil At Top, Add	*3.63*	
32 32 23 13-0024	SF	4 To 8' Height "Versa-Lok" Type Modular Retaining Wall System	66.79	9.29
		For >3:1 Sloped Soil At Top, Add	*4.10*	
32 32 23 13-0025	SF	8 To 12' Height "Versa-Lok" Type Modular Retaining Wall System	69.91	10.22
		For >3:1 Sloped Soil At Top, Add	*4.21*	
32 32 23 13-0026	SF	12 To 16' Height "Versa-Lok" Type Modular Retaining Wall System	72.67	11.15
		For >3:1 Sloped Soil At Top, Add	*4.28*	
32 32 23 13-0027		**Retaining Wall Cap Block Restoration** *(32 32 23 13-0001)*		
		Note: Includes removal of existing cap block and installation of new cap block to match.		
32 32 23 13-0028	LF	Removal And Reinstall Retaining Wall Cap Block And Pins	41.75	
		For >3:1 Sloped Soil At Top, Add	*2.43*	

32 32 26 Metal Crib Retaining Walls *(32 32)*

32 32 26 00-0001		**Bin Type Retaining Wall** *(32 32 26)*		
32 32 26 00-0002		**Vertical Bin Walls** *(32 32 26 00-0001)*		
		Note: Excludes excavation and backfill.		
32 32 26 00-0003	SF	5.5' Vertical Bin Retaining Wall, Wall Heights To 11'	76.81	
32 32 26 00-0004	SF	7.7' Vertical Bin Retaining Wall, Wall Heights, 8.33' To 16.33'	91.22	
32 32 26 00-0005	SF	9.9' Vertical Bin Retaining Wall, Wall Heights, 13.67' To 21.67'	106.30	
32 32 26 00-0006	SF	12.1' Vertical Bin Retain Wall, Wall Heights 17.67' To 25.67'	114.95	
32 32 26 00-0007	SF	14.3' Vertical Bin Retain Wall, Wall Heights 20.33' To 28.33'	128.33	
32 32 26 00-0008	SF	16.5' Vertical Bin Retain Wall, Wall Heights 20.33' To 28.33'	136.98	
32 32 26 00-0009		**Battered Bin Walls** *(32 32 26 00-0001)*		
		Note: Excludes excavation and backfill.		
32 32 26 00-0010	SF	5.5' Battered Bin Retain Wall, Wall Heights To 11'	68.05	
32 32 26 00-0011	SF	7.7' Battered Bin Retain Wall, Wall Heights 8.33' To 16.33'	73.82	
32 32 26 00-0012	SF	9.9' Battered Bin Retain Wall, Wall Heights 13.67' To 21.67'	83.05	
32 32 26 00-0013	SF	12.1' Battered Bin Retain Wall, Wall Heights 17.67' To 25.67'	93.13	
32 32 26 00-0014	SF	14.3' Battered Bin Retain Wall, Wall Heights 20.33' To 28.33'	108.99	
32 32 26 00-0015	SF	16.5' Battered Bin Retain Wall, Wall Heights 20.33' To 28.33'	111.87	
32 32 26 00-0016		**Aluminized Steel Bin** *(32 32 26)*		
		Note: Excludes excavation and backfill.		
32 32 26 00-0017	SF	4' High, 5.5' Deep Aluminized Steel Bin	46.34	5.11
		For >3:1 Sloped Soil At Top, Add	*3.07*	
		For Galvanized Type, Deduct	*-3.61*	
32 32 26 00-0018	SF	8' High, 5.5' Deep Aluminized Steel Bin	51.92	5.11
		For >3:1 Sloped Soil At Top, Add	*3.54*	
		For Galvanized Type, Deduct	*-4.16*	
32 32 26 00-0019	SF	10' High, 7.7' Deep Aluminized Steel Bin	55.45	5.59
		For >3:1 Sloped Soil At Top, Add	*3.77*	
		For Galvanized Type, Deduct	*-4.43*	
32 32 26 00-0020	SF	12' High, 7.7' Deep Aluminized Steel Bin	63.17	6.31
		For >3:1 Sloped Soil At Top, Add	*4.30*	
		For Galvanized Type, Deduct	*-5.06*	
32 32 26 00-0021	SF	16' High, 7.7' Deep Aluminized Steel Bin	60.80	6.54
		For >3:1 Sloped Soil At Top, Add	*4.07*	
		For Galvanized Type, Deduct	*-4.78*	
32 32 26 00-0022	SF	16' High, 9.9' Deep Aluminized Steel Bin	67.81	6.66
		For >3:1 Sloped Soil At Top, Add	*4.64*	
		For Galvanized Type, Deduct	*-5.46*	
32 32 26 00-0023	SF	20' High, 9.9' Deep Aluminized Steel Bin	75.25	7.01
		For >3:1 Sloped Soil At Top, Add	*5.19*	
		For Galvanized Type, Deduct	*-6.11*	
32 32 26 00-0024	SF	20' High, 12.1' Deep Aluminized Steel Bin	77.04	7.37
		For >3:1 Sloped Soil At Top, Add	*5.30*	
		For Galvanized Type, Deduct	*-6.24*	
32 32 26 00-0025	SF	24' High, 12.1' Deep Aluminized Steel Bin	81.06	7.37
		For >3:1 Sloped Soil At Top, Add	*5.64*	
		For Galvanized Type, Deduct	*-6.63*	
32 32 26 00-0026	SF	24' High, 14.3' Deep Aluminized Steel Bin	85.09	7.49
		For >3:1 Sloped Soil At Top, Add	*5.97*	
		For Galvanized Type, Deduct	*-7.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 26 00-0027	SF	28' High, 14.3' Deep Aluminized Steel Bin	87.93	7.62
		For >3:1 Sloped Soil At Top, Add	*6.19*	
		For Galvanized Type, Deduct	*-7.28*	

32 32 29 Timber Retaining Walls *(32 32)*

32 32 29 00-0001 Wood Post Retaining Walls *(32 32 29)*

Note: System includes wood posts installed side-by-side to various heights, and underdrain. Excludes initial site grading, subbase preparation or finish grading.

32 32 29 00-0002	LF	4" x 4", 1' High, Redwood, Wood Post Retaining Walls	86.25	29.66
		For >3:1 Sloped Soil At Top, Add	*2.30*	
32 32 29 00-0003	LF	4" x 4", 2' High, Redwood, Wood Post Retaining Walls	168.81	58.08
		For >3:1 Sloped Soil At Top, Add	*4.48*	
32 32 29 00-0004	LF	4" x 4", 1' High, Cedar, Wood Post Retaining Walls	82.80	29.66
		For >3:1 Sloped Soil At Top, Add	*2.00*	
32 32 29 00-0005	LF	4" x 4", 2' High, Cedar, Wood Post Retaining Walls	162.10	58.08
		For >3:1 Sloped Soil At Top, Add	*3.91*	
32 32 29 00-0006	LF	4" x 4", 1' High, Pressure Treated Lumber, Wood Post Retaining Walls	85.01	25.91
		For >3:1 Sloped Soil At Top, Add	*2.81*	
32 32 29 00-0007	LF	4" x 4", 2' High, Pressure Treated Lumber, Wood Post Retaining Walls	166.43	50.69
		For >3:1 Sloped Soil At Top, Add	*5.52*	
32 32 29 00-0008	LF	4" x 4", 1' High, Creosoted Lumber, Wood Post Retaining Walls	68.85	23.01
		For >3:1 Sloped Soil At Top, Add	*1.94*	
32 32 29 00-0009	LF	4" x 4", 2' High, Creosoted Lumber, Wood Post Retaining Walls	124.48	41.63
		For >3:1 Sloped Soil At Top, Add	*3.50*	
32 32 29 00-0010	LF	6" x 6", 2' High, Redwood, Wood Post Retaining Walls	228.90	70.36
		For >3:1 Sloped Soil At Top, Add	*7.50*	
32 32 29 00-0011	LF	6" x 6", 4' High, Redwood, Wood Post Retaining Walls	452.09	137.91
		For >3:1 Sloped Soil At Top, Add	*14.99*	
32 32 29 00-0012	LF	6" x 6", 2' High, Cedar, Wood Post Retaining Walls	225.06	70.36
		For >3:1 Sloped Soil At Top, Add	*7.17*	
32 32 29 00-0013	LF	6" x 6", 4' High, Cedar, Wood Post Retaining Walls	442.50	137.91
		For >3:1 Sloped Soil At Top, Add	*14.18*	
32 32 29 00-0014	LF	6" x 6", 2' High, Pressure Treated Lumber, Wood Post Retaining Walls	219.77	57.14
		For >3:1 Sloped Soil At Top, Add	*8.96*	
32 32 29 00-0015	LF	6" x 6", 4' High, Pressure Treated Lumber, Wood Post Retaining Walls	436.62	112.82
		For >3:1 Sloped Soil At Top, Add	*17.93*	
32 32 29 00-0016	LF	6" x 6", 2' High, Creosoted Lumber, Wood Post Retaining Walls	157.62	45.70
		For >3:1 Sloped Soil At Top, Add	*5.62*	
32 32 29 00-0017	LF	6" x 6", 4' High, Creosoted Lumber, Wood Post Retaining Walls	310.13	89.41
		For >3:1 Sloped Soil At Top, Add	*11.16*	
32 32 29 00-0018	LF	8" x 8", 4' High, Redwood, Wood Post Retaining Walls	567.68	152.47
		For >3:1 Sloped Soil At Top, Add	*22.33*	
32 32 29 00-0019	LF	8" x 8", 6' High, Redwood, Wood Post Retaining Walls	1,061.98	284.66
		For >3:1 Sloped Soil At Top, Add	*41.88*	
32 32 29 00-0020	LF	8" x 8", 4' High, Cedar, Wood Post Retaining Walls	548.51	152.47
		For >3:1 Sloped Soil At Top, Add	*20.70*	
32 32 29 00-0021	LF	8" x 8", 6' High, Cedar, Wood Post Retaining Walls	1,025.56	284.66
		For >3:1 Sloped Soil At Top, Add	*38.79*	
32 32 29 00-0022	LF	8" x 8", 4' High, Pressure Treated Lumber, Wood Post Retaining Walls	601.96	175.90
		For >3:1 Sloped Soil At Top, Add	*21.26*	
32 32 29 00-0023	LF	8" x 8", 6' High, Pressure Treated Lumber, Wood Post Retaining Walls	1,122.92	328.48
		For >3:1 Sloped Soil At Top, Add	*39.61*	
32 32 29 00-0024	LF	8" x 8", 4' High, Creosoted Lumber, Wood Post Retaining Walls	442.51	142.17
		For >3:1 Sloped Soil At Top, Add	*13.45*	
32 32 29 00-0025	LF	8" x 8", 6' High, Creosoted Lumber, Wood Post Retaining Walls	820.74	263.73
		For >3:1 Sloped Soil At Top, Add	*24.93*	
32 32 29 00-0026	LF	4' High, Cedar, Random Diameter Poles, Wood Post Retaining Walls	165.20	58.59
		For >3:1 Sloped Soil At Top, Add	*4.07*	
32 32 29 00-0027	LF	6' High, Cedar, Random Diameter Poles, Wood Post Retaining Walls	246.86	87.95
		For >3:1 Sloped Soil At Top, Add	*6.03*	
32 32 29 00-0028	LF	8' High, Cedar, Random Diameter Poles, Wood Post Retaining Walls	328.41	117.19
		For >3:1 Sloped Soil At Top, Add	*7.99*	
32 32 29 00-0029	LF	4' High Creosoted Lumber, Random Diameter Poles, Wood Post Retaining Walls	113.24	33.10
		For >3:1 Sloped Soil At Top, Add	*3.99*	
32 32 29 00-0030	LF	6' High Creosoted Lumber, Random Diameter Poles, Wood Post Retaining Walls	164.59	47.77
		For >3:1 Sloped Soil At Top, Add	*5.87*	
32 32 29 00-0031	LF	8' High Creosoted Lumber, Random Diameter Poles, Wood Post Retaining Walls	222.94	64.52
		For >3:1 Sloped Soil At Top, Add	*7.99*	

32 32 29 00-0032 Post And Board Retaining Walls *(32 32 29)*

Note: System includes all the elements that must go into a wall that resists lateral pressure. System elements include posts and boards, cap, underdrain, and deadman where required. Excludes initial site grading, subbase preparation or finish grading.

32 32 29 00-0033	LF	4" x 4" Post, 4' Spacing, 3' High, 2" Planking, Redwood, Post And Board Retaining Walls	69.98	17.59
		For >3:1 Sloped Soil At Top, Add	*2.96*	
32 32 29 00-0034	LF	4" x 4" Post, 2' Spacing, 4' High, 2" Planking, Redwood, Post And Board Retaining Walls	107.07	30.08
		For >3:1 Sloped Soil At Top, Add	*3.99*	
32 32 29 00-0035	LF	6" x 6" Post, 4' Spacing, 5' High 2" Planking, Redwood, Post And Board Retaining Walls	140.92	37.36
		For >3:1 Sloped Soil At Top, Add	*5.62*	
32 32 29 00-0036	LF	6" x 6" Post, 3' Spacing, 6' High, 2" Planking, Redwood, Post And Board Retaining Walls	196.91	52.98
		For >3:1 Sloped Soil At Top, Add	*7.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 29 00-0037	LF	6" x 6" With Deadman, 3' Spacing, 8' High, 2" Planking, Redwood, Post And Board Retaining Walls	257.61	68.90
		For >3:1 Sloped Soil At Top, Add	*10.19*	
32 32 29 00-0038	LF	8" x 8" Post, 2' Spacing, 8' High, 2" Planking, Redwood, Post And Board Retaining Walls	529.60	136.34
		For >3:1 Sloped Soil At Top, Add	*21.84*	
32 32 29 00-0039	LF	8" x 8" With Deadman, 2' Spacing, 9' High, 2" Planking, Redwood, Post And Board Retaining Walls	599.15	151.02
		For >3:1 Sloped Soil At Top, Add	*25.26*	
32 32 29 00-0040	LF	4" x 4" Post, 4' Spacing, 3' High, 2" Planking, Cedar, Post And Board Retaining Walls	70.97	18.31
		For >3:1 Sloped Soil At Top, Add	*2.92*	
32 32 29 00-0041	LF	4" x 4" With Deadman, 2' Spacing, 4' High 2" Planking, Cedar, Post And Board Retaining Walls	124.53	32.58
		For >3:1 Sloped Soil At Top, Add	*5.05*	
32 32 29 00-0042	LF	6" x 6" Post, 4' Spacing, 4' High 2" Planking, Cedar, Post And Board Retaining Walls	122.40	31.95
		For >3:1 Sloped Soil At Top, Add	*4.97*	
32 32 29 00-0043	LF	6" x 6" Post, 3' Spacing, 5' High 2" Planking, Cedar, Post And Board Retaining Walls	171.35	45.90
		For >3:1 Sloped Soil At Top, Add	*6.76*	
32 32 29 00-0044	LF	6" x 6" Post, 2' Spacing, 6' High 2" Planking, Cedar, Post And Board Retaining Walls	266.43	73.27
		For >3:1 Sloped Soil At Top, Add	*10.19*	
32 32 29 00-0045	LF	6 x 6 Post With Deadman, 3' Spacing, 6' High, 2" Planking, Cedar	211.32	56.31
		For >3:1 Sloped Soil At Top, Add	*8.39*	
32 32 29 00-0046	LF	8 x 8 Post With Deadman, 2' Spacing, 8' High, 2" Planking, Cedar	547.89	140.72
		For >3:1 Sloped Soil At Top, Add	*22.65*	
32 32 29 00-0047	LF	4 x 4 Post, 4' Spacing, 3' High 2" Planking, Pressure Treated	87.38	33.83
		For >3:1 Sloped Soil At Top, Add	*1.67*	
32 32 29 00-0048	LF	4 x 4 Post, 3' Spacing, 4' High 2" Planking, Pressure Treated	126.57	48.09
		For >3:1 Sloped Soil At Top, Add	*2.58*	
32 32 29 00-0049	LF	4 x 4 Post With Deadman, 2' Space, 5' High, 2" Planking, Pressure Treat	184.64	65.98
		For >3:1 Sloped Soil At Top, Add	*4.48*	
32 32 29 00-0050	LF	6 x 6 Post, 3' Spacing, 6' High, 2" Planking, Pressure Treated	325.36	111.36
		For >3:1 Sloped Soil At Top, Add	*8.72*	
32 32 29 00-0051	LF	6 x 6 Post, 2' Spacing, 7' High, 2" Planking, Pressure Treated	330.15	111.36
		For >3:1 Sloped Soil At Top, Add	*9.13*	
32 32 29 00-0052	LF	6 x 6 Post With Deadman, 3' Spacing 8' High, 2" Planking, Pressure Treat	309.89	107.00
		For >3:1 Sloped Soil At Top, Add	*8.15*	
32 32 29 00-0053	LF	8 x 8 Post With Deadman, 2' Spacing 10' High, 2" Planking, Pressure Treated	729.96	246.14
		For >3:1 Sloped Soil At Top, Add	*20.21*	
32 32 29 00-0054	LF	4 x 4 Post, 4' Spacing, 3' High Creosoted 2" Planking	87.38	33.83
		For >3:1 Sloped Soil At Top, Add	*1.67*	
32 32 29 00-0055	LF	4 x 4 Post, 3' Spacing, 4' High Creosoted, 2" Planking	126.57	48.09
		For >3:1 Sloped Soil At Top, Add	*2.58*	
32 32 29 00-0056	LF	4 x 4 Post With Deadman, 2' Spacing, 5' High, Creosoted, 2" Planking	184.64	65.98
		For >3:1 Sloped Soil At Top, Add	*4.48*	
32 32 29 00-0057	LF	6 x 6 Post, 3' Spacing, 6' High Creosoted, 2" Planking	232.23	82.11
		For >3:1 Sloped Soil At Top, Add	*5.79*	
32 32 29 00-0058	LF	6" x 6" Post, 2' Spacing, 7' High, 2" Planking, Creosoted, Post And Board Retaining Walls	325.36	111.36
		For >3:1 Sloped Soil At Top, Add	*8.72*	
32 32 29 00-0059	LF	6" x 6" Post With Deadman, 3' Spacing, 8' High, 2" Planking, Creosoted, Post And Board Retaining Walls	309.89	107.00
		For >3:1 Sloped Soil At Top, Add	*8.15*	
32 32 29 00-0060	LF	8" x 8" Post With Deadman, 2' Spacing, 10' High, Creosoted, 2" Planking, Post And Board Retaining Walls	729.96	246.14
		For >3:1 Sloped Soil At Top, Add	*20.21*	

32 32 29 00-0061 Wood Tie Retaining Walls, Rod Connector At 4' *(32 32 29)*

Note: The system includes all the elements that must go into a wall that resists lateral pressure. System elements include: wood ties, threaded rod (1/2" diameter), underdrain, and deadman where required. Excludes initial site grading, subbase preparation or finish grading.

32 32 29 00-0062 Redwood *(32 32 29 00-0061)*

32 32 29 00-0063	LF	2' High, 6" x 6" Wood Tie Wall	118.13	36.01
		For >3:1 Sloped Soil At Top, Add	*3.91*	
32 32 29 00-0064	LF	4' High, 6" x 6" Wood Tie Wall Deadman At 6'	269.62	82.11
		For >3:1 Sloped Soil At Top, Add	*8.96*	
32 32 29 00-0065	LF	6' High, 6" x 6" Wood Tie Wall Deadman At 6'	403.53	123.13
		For >3:1 Sloped Soil At Top, Add	*13.36*	
32 32 29 00-0066	LF	4' High, 8" x 8" Wood Tie Wall Deadman At 6'	393.19	105.54
		For >3:1 Sloped Soil At Top, Add	*15.48*	
32 32 29 00-0067	LF	6' High, 8" x 8" Wood Tie Wall Deadman At 6'	590.86	158.31
		For >3:1 Sloped Soil At Top, Add	*23.30*	
32 32 29 00-0068	LF	8' High, 8" x 8" Wood Tie Wall Deadman At 6'	780.55	208.16
		For >3:1 Sloped Soil At Top, Add	*30.96*	

32 32 29 00-0069 Cedar *(32 32 29 00-0061)*

32 32 29 00-0070	LF	2' High, 6" x 6" Wood Tie Wall	116.21	36.01
		For >3:1 Sloped Soil At Top, Add	*3.75*	
32 32 29 00-0071	LF	4' High, 6" x 6" Wood Tie Wall Deadman At 6'	263.87	82.11
		For >3:1 Sloped Soil At Top, Add	*8.47*	
32 32 29 00-0072	LF	6' High, 6" x 6" Wood Tie Wall Deadman At 6'	395.86	123.13
		For >3:1 Sloped Soil At Top, Add	*12.71*	
32 32 29 00-0073	LF	4' High, 8" x 8" Wood Tie Wall Deadman At 6'	379.77	105.54
		For >3:1 Sloped Soil At Top, Add	*14.34*	
32 32 29 00-0074	LF	6' High, 8" x 8" Wood Tie Wall Deadman At 6'	571.69	158.31
		For >3:1 Sloped Soil At Top, Add	*21.68*	
32 32 29 00-0075	LF	8' High, 8" x 8" Wood Tie Wall Deadman At 6'	753.70	208.16
		For >3:1 Sloped Soil At Top, Add	*28.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 29 00-0076		**Creosoted Wood** *(32 32 29 00-0061)*		
32 32 29 00-0077	LF	2' High, 6" x 8" Wood Tie Wall	128.26	47.77
		For >3:1 Sloped Soil At Top, Add	*2.78*	
32 32 29 00-0078	LF	4' High, 6" x 8" Wood Tie Wall Deadman At 6'	293.72	109.91
		For >3:1 Sloped Soil At Top, Add	*6.27*	
32 32 29 00-0079	LF	6' High, 6" x 8" Wood Tie Wall Deadman At 6'	435.61	162.68
		For >3:1 Sloped Soil At Top, Add	*9.37*	
32 32 29 00-0080	LF	4' High, 7" x 9" Wood Tie Wall Deadman At 6'	590.26	221.27
		For >3:1 Sloped Soil At Top, Add	*12.55*	
32 32 29 00-0081	LF	6' High, 7" x 9" Wood Tie Wall Deadman At 6'	859.39	322.34
		For >3:1 Sloped Soil At Top, Add	*18.25*	
32 32 29 00-0082	LF	8' High, 7" x 9" Wood Tie Wall Deadman At 6'	1,140.43	427.36
		For >3:1 Sloped Soil At Top, Add	*24.28*	
32 32 29 00-0083		**Pressure Treated Wood** *(32 32 29 00-0061)*		
32 32 29 00-0084	LF	2' High, 6" x 6" Wood Tie Wall	102.75	29.76
		For >3:1 Sloped Soil At Top, Add	*3.67*	
32 32 29 00-0085	LF	4' High, 6" x 6" Wood Tie Wall Deadman At 6'	233.59	67.44
		For >3:1 Sloped Soil At Top, Add	*8.39*	
32 32 29 00-0086	LF	6' High, 6" x 6" Wood Tie Wall Deadman At 6'	349.90	101.16
		For >3:1 Sloped Soil At Top, Add	*12.55*	
32 32 29 00-0087	LF	4' High, 8" x 8" Wood Tie Wall Deadman At 6'	378.41	121.67
		For >3:1 Sloped Soil At Top, Add	*11.49*	
32 32 29 00-0088	LF	6' High, 8" x 8" Wood Tie Wall Deadman At 6'	568.72	181.83
		For >3:1 Sloped Soil At Top, Add	*17.44*	
32 32 29 00-0089	LF	8' High, 8" x 8" Wood Tie Wall Deadman At 6'	753.83	241.78
		For >3:1 Sloped Soil At Top, Add	*22.98*	

32 32 53 Stone Retaining Walls *(32 32)*

32 32 53 00-0001 Stone Retaining Walls *(32 32 53)*

Note: Construction is either dry set or mortar set. System includes concrete base, crushed stone, underdrain, and backfill. Standard design to have 12" thick top with vertical backside and sloped face at 2" per foot of height. Excludes initial site grading, subbase preparation or finish grading.

32 32 53 00-0002 Stone Retaining Walls *(32 32 53 00-0001)*

Note: Stone at $16.00/ton.

32 32 53 00-0003	LF	$16.00/ton 3' High Stone Retaining Wall, Dry Set	470.61	209.07
		For >3:1 Sloped Soil At Top, Add	*4.45*	
32 32 53 00-0004	LF	$16.00/ton 4' High Stone Retaining Wall, Dry Set	554.77	248.73
		For >3:1 Sloped Soil At Top, Add	*4.87*	
32 32 53 00-0005	LF	$16.00/ton 6' High Stone Retaining Wall, Dry Set	727.90	330.46
		For >3:1 Sloped Soil At Top, Add	*5.70*	
32 32 53 00-0006	LF	$16.00/ton 8' High Stone Retaining Wall, Dry Set	1,119.93	516.68
		For >3:1 Sloped Soil At Top, Add	*7.35*	
32 32 53 00-0007	LF	$16.00/ton 10' High Stone Retaining Wall, Dry Set	1,454.14	675.87
		For >3:1 Sloped Soil At Top, Add	*8.70*	
32 32 53 00-0008	LF	$16.00/ton 12' High Stone Retaining Wall, Dry Set	1,804.00	841.66
		For >3:1 Sloped Soil At Top, Add	*10.25*	
32 32 53 00-0009	LF	$16.00/ton 3' High Stone Retaining Wall, Mortar Set	422.59	185.10
		For >3:1 Sloped Soil At Top, Add	*4.45*	
32 32 53 00-0010	LF	$16.00/ton 4' High Stone Retaining Wall, Mortar Set	495.33	219.01
		For >3:1 Sloped Soil At Top, Add	*4.87*	
32 32 53 00-0011	LF	$16.00/ton 6' High Stone Retaining Wall, Mortar Set	640.16	286.52
		For >3:1 Sloped Soil At Top, Add	*5.70*	
32 32 53 00-0012	LF	$16.00/ton 8' High Stone Retaining Wall, Mortar Set	978.70	446.09
		For >3:1 Sloped Soil At Top, Add	*7.35*	
32 32 53 00-0013	LF	$16.00/ton 10' High Stone Retaining Wall, Mortar Set	1,256.04	576.86
		For >3:1 Sloped Soil At Top, Add	*8.70*	
32 32 53 00-0014	LF	$16.00/ton 12' High Stone Retaining Wall, Mortar Set	1,559.63	719.52
		For >3:1 Sloped Soil At Top, Add	*10.25*	

32 32 53 00-0015 Stone Retaining Walls *(32 32 53 00-0001)*

Note: Stone at $32.00/ton.

32 32 53 00-0016	LF	$32.00/ton 3' High Stone Retaining Wall, Dry Set	486.45	209.07
		For >3:1 Sloped Soil At Top, Add	*5.80*	
32 32 53 00-0017	LF	$32.00/ton 4' High Stone Retaining Wall, Dry Set	576.70	248.73
		For >3:1 Sloped Soil At Top, Add	*6.73*	
32 32 53 00-0018	LF	$32.00/ton 6' High Stone Retaining Wall, Dry Set	759.58	330.46
		For >3:1 Sloped Soil At Top, Add	*8.39*	
32 32 53 00-0019	LF	$32.00/ton 8' High Stone Retaining Wall, Dry Set	1,166.23	516.68
		For >3:1 Sloped Soil At Top, Add	*11.29*	
32 32 53 00-0020	LF	$32.00/ton 10' High Stone Retaining Wall, Dry Set	1,517.50	675.87
		For >3:1 Sloped Soil At Top, Add	*14.09*	
32 32 53 00-0021	LF	$32.00/ton 12' High Stone Retaining Wall, Dry Set	1,884.42	841.66
		For >3:1 Sloped Soil At Top, Add	*17.09*	
32 32 53 00-0022	LF	$32.00/ton 3' High Stone Retaining Wall, Mortar Set	438.43	185.10
		For >3:1 Sloped Soil At Top, Add	*5.80*	
32 32 53 00-0023	LF	$32.00/ton 4' High Stone Retaining Wall, Mortar Set	517.26	219.01
		For >3:1 Sloped Soil At Top, Add	*6.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 53 00-0024	LF	$32.00/ton 6' High Stone Retaining Wall, Mortar Set	671.84	286.52
		For >3:1 Sloped Soil At Top, Add	*8.39*	
32 32 53 00-0025	LF	$32.00/ton 8' High Stone Retaining Wall, Mortar Set	1,025.00	446.09
		For >3:1 Sloped Soil At Top, Add	*11.29*	
32 32 53 00-0026	LF	$32.00/ton 10' High Stone Retaining Wall, Mortar Set	1,319.40	576.86
		For >3:1 Sloped Soil At Top, Add	*14.09*	
32 32 53 00-0027	LF	$32.00/ton 12' High Stone Retaining Wall, Mortar Set	1,640.05	719.52
		For >3:1 Sloped Soil At Top, Add	*17.09*	

32 32 53 00-0028 Stone Retaining Walls *(32 32 53 00-0001)*

Note: Stone at $48.00/ton.

32 32 53 00-0029	LF	$48.00/ton 3' High Stone Retaining Wall, Dry Set	503.51	209.07
		For >3:1 Sloped Soil At Top, Add	*7.25*	
32 32 53 00-0030	LF	$48.00/ton 4' High Stone Retaining Wall, Dry Set	598.39	248.73
		For >3:1 Sloped Soil At Top, Add	*8.58*	
32 32 53 00-0031	LF	$48.00/ton 6' High Stone Retaining Wall, Dry Set	790.04	330.46
		For >3:1 Sloped Soil At Top, Add	*10.98*	
32 32 53 00-0032	LF	$48.00/ton 8' High Stone Retaining Wall, Dry Set	1,212.53	516.68
		For >3:1 Sloped Soil At Top, Add	*15.22*	
32 32 53 00-0033	LF	$48.00/ton 10' High Stone Retaining Wall, Dry Set	1,580.86	675.87
		For >3:1 Sloped Soil At Top, Add	*19.47*	
32 32 53 00-0034	LF	$48.00/ton 12' High Stone Retaining Wall, Dry Set	1,966.05	841.66
		For >3:1 Sloped Soil At Top, Add	*24.03*	
32 32 53 00-0035	LF	$48.00/ton 3' High Stone Retaining Wall, Mortar Set	455.49	185.10
		For >3:1 Sloped Soil At Top, Add	*7.25*	
32 32 53 00-0036	LF	$48.00/ton 4' High Stone Retaining Wall, Mortar Set	539.19	219.01
		For >3:1 Sloped Soil At Top, Add	*8.60*	
32 32 53 00-0037	LF	$48.00/ton 6' High Stone Retaining Wall, Mortar Set	702.30	286.52
		For >3:1 Sloped Soil At Top, Add	*10.98*	
32 32 53 00-0038	LF	$48.00/ton 8' High Stone Retaining Wall, Mortar Set	1,071.30	446.09
		For >3:1 Sloped Soil At Top, Add	*15.22*	
32 32 53 00-0039	LF	$48.00/ton 10' High Stone Retaining Wall, Mortar Set	1,382.76	576.86
		For >3:1 Sloped Soil At Top, Add	*19.47*	
32 32 53 00-0040	LF	$48.00/ton 12' High Stone Retaining Wall, Mortar Set	1,721.68	719.52
		For >3:1 Sloped Soil At Top, Add	*24.03*	

32 32 53 00-0041 Stone Retaining Walls *(32 32 53 00-0001)*

Note: Stone at $64.00/ton.

32 32 53 00-0042	LF	$64.00/ton 3' High Stone Retaining Wall, Dry Set	520.57	209.07
		For >3:1 Sloped Soil At Top, Add	*8.70*	
32 32 53 00-0043	LF	$64.00/ton 4' High Stone Retaining Wall, Dry Set	596.20	248.73
		For >3:1 Sloped Soil At Top, Add	*8.39*	
32 32 53 00-0044	LF	$64.00/ton 6' High Stone Retaining Wall, Dry Set	822.93	330.46
		For >3:1 Sloped Soil At Top, Add	*13.77*	
32 32 53 00-0045	LF	$64.00/ton 8' High Stone Retaining Wall, Dry Set	1,261.27	516.68
		For >3:1 Sloped Soil At Top, Add	*19.37*	
32 32 53 00-0046	LF	$64.00/ton 10' High Stone Retaining Wall, Dry Set	1,646.66	675.87
		For >3:1 Sloped Soil At Top, Add	*25.06*	
32 32 53 00-0047	LF	$64.00/ton 12' High Stone Retaining Wall, Dry Set	2,048.91	841.66
		For >3:1 Sloped Soil At Top, Add	*31.07*	
32 32 53 00-0048	LF	$64.00/ton 3' High Stone Retaining Wall, Mortar Set	472.55	185.10
		For >3:1 Sloped Soil At Top, Add	*8.70*	
32 32 53 00-0049	LF	$64.00/ton 4' High Stone Retaining Wall, Mortar Set	561.12	219.01
		For >3:1 Sloped Soil At Top, Add	*10.46*	
32 32 53 00-0050	LF	$64.00/ton 6' High Stone Retaining Wall, Mortar Set	735.19	286.52
		For >3:1 Sloped Soil At Top, Add	*13.77*	
32 32 53 00-0051	LF	$64.00/ton 8' High Stone Retaining Wall, Mortar Set	1,120.04	446.09
		For >3:1 Sloped Soil At Top, Add	*19.37*	
32 32 53 00-0052	LF	$64.00/ton 10' High Stone Retaining Wall, Mortar Set	1,448.56	576.86
		For >3:1 Sloped Soil At Top, Add	*25.06*	
32 32 53 00-0053	LF	$64.00/ton 12' High Stone Retaining Wall, Mortar Set	1,804.54	719.52
		For >3:1 Sloped Soil At Top, Add	*31.07*	

32 33 Site Furnishings *(32 30)*

32 33 13 Site Bicycle Racks *(32 33)*

32 33 13 00-0001 Bicycle Organizer And Rack *(32 33 13)*

32 33 13 00-0002 Vertical Style Bike Racks Single/Double Sided, Galvanized *(32 33 13 00-0001)*

32 33 13 00-0003 Double Sided *(32 33 13 00-0002)*

32 33 13 00-0004	EA	5' Galvanized Steel Double Sided Bike Rack, 9 Bikes	804.84	140.05
32 33 13 00-0005	EA	10' Galvanized Steel Double Sided Bike Rack, 18 Bikes	1,214.36	230.08
32 33 13 00-0006	EA	20' Galvanized Steel Double Sided Bike Rack, 36 Bikes	2,091.00	350.13

32 33 13 00-0007 Single Sided *(32 33 13 00-0002)*

32 33 13 00-0008	EA	5' Galvanized Steel Single Sided Bike Rack, 5 Bikes	704.65	125.05
32 33 13 00-0009	EA	10' Galvanized Steel Single Sided Bike Rack, 9 Bikes	997.13	208.08
32 33 13 00-0010	EA	20' Galvanized Steel Single Sided Bike Rack, 18 Bikes	1,708.26	312.62

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LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 13 00-0011		**Anchor Set For Vertical Style Bike Rack** *(32 33 13 00-0002)*		
32 33 13 00-0012	PR	Anchor Set For Vertical Style Bike Rack Note: Anchoring frame to ground.	136.24	
32 33 13 00-0013		**Bike Racks Ground Loop** *(32 33 13 00-0001)* Note: In-ground mount.		
32 33 13 00-0014	EA	83" Ground Loop Bike Rack, Surface Or Wall Mounted, 12 Bikes	1,068.42	245.39
32 33 13 00-0015		**Serpentine Bike Racks** *(32 33 13 00-0001)* Note: In-ground mount.		
32 33 13 00-0016		**Galvanized, 36" High, 2-3/8" OD Tubing** *(32 33 13 00-0015)*		
32 33 13 00-0017	EA	1' x 3' High Serpentine (M Style) Bike Rack, 3 Bikes, Galvanized	591.19	150.06
32 33 13 00-0018	EA	3' x 3' High Serpentine (M Style) Bike Rack, 5 Bikes, Galvanized	803.11	162.56
32 33 13 00-0019	EA	5' x 3' High Serpentine (M Style) Bike Rack, 7 Bikes, Galvanized	1,015.05	175.07
32 33 13 00-0020	EA	7' x 3' High Serpentine (M Style) Bike Rack, 9 Bikes, Galvanized	1,253.69	187.57
32 33 13 00-0021	EA	9' x 3' High Serpentine (M Style) Bike Rack, 11 Bikes, Galvanized	1,492.34	200.07
32 33 13 00-0022	EA	11' x 3' High Serpentine (M Style) Bike Rack, 13 Bikes, Galvanized	1,624.16	212.58
32 33 13 00-0023		**Galvanized, 42" High, 2-3/8" OD Tubing** *(32 33 13 00-0015)*		
32 33 13 00-0024	EA	1' x 42" High Serpentine Bike Rack, 3 Bikes, Galvanized	669.48	150.06
32 33 13 00-0025	EA	3' x 42" High Serpentine Bike Rack, 5 Bikes, Galvanized	859.56	162.56
32 33 13 00-0026	EA	5' x 42" High Serpentine Bike Rack, 7 Bikes, Galvanized	1,049.64	175.07
32 33 13 00-0027	EA	7' x 42" High Serpentine Bike Rack, 9 Bikes, Galvanized	1,219.10	187.57
32 33 13 00-0028	EA	9' x 42" High Serpentine Bike Rack, 11 Bikes, Galvanized	1,409.19	200.07
32 33 13 00-0029	EA	11' x 42" High Serpentine Bike Rack, 13 Bikes, Galvanized	1,640.55	212.58
32 33 13 00-0030	EA	13' x 42" High Serpentine Bike Rack, 15 Bikes, Galvanized	1,933.80	250.10
32 33 13 00-0031	EA	15' x 42" High Serpentine Bike Rack, 17 Bikes, Galvanized	2,247.69	237.60
32 33 13 00-0032	EA	17' x 42" High Serpentine Bike Rack, 19 Bikes, Galvanized	2,540.95	250.10
32 33 13 00-0033		**Powder Coated, 36" High, 2-3/8" OD Tubing** *(32 33 13 00-0015)*		
32 33 13 00-0034	EA	1' x 3' High Serpentine (M Style) Bike Rack, 3 Bikes, Powder Coated	591.19	150.06
32 33 13 00-0035	EA	3' x 3' High Serpentine (M Style) Bike Rack, 5 Bikes, Powder Coated	803.11	162.56
32 33 13 00-0036	EA	5' x 3' High Serpentine (M Style) Bike Rack, 7 Bikes, Powder Coated	1,015.05	175.07
32 33 13 00-0037	EA	7' x 3' High Serpentine (M Style) Bike Rack, 9 Bikes, Powder Coated	1,253.69	187.57
32 33 13 00-0038	EA	9' x 3' High Serpentine (M Style) Bike Rack, 11 Bikes, Powder Coated	1,492.34	200.07
32 33 13 00-0039	EA	11' x 3' High Serpentine (M Style) Bike Rack, 13 Bikes, Powder Coated	1,624.16	212.58
32 33 13 00-0040		**Powder Coated, 42" High, 2-3/8" OD Tubing** *(32 33 13 00-0015)*		
32 33 13 00-0041	EA	1' x 42" High Serpentine Bike Rack, 3 Bikes, Powder Coated	690.11	150.06
32 33 13 00-0042	EA	3' x 42" High Serpentine Bike Rack, 5 Bikes, Powder Coated	900.83	162.56
32 33 13 00-0043	EA	5' x 42" High Serpentine Bike Rack, 7 Bikes, Powder Coated	1,090.91	175.07
32 33 13 00-0044	EA	7' x 42" High Serpentine Bike Rack, 9 Bikes, Powder Coated	1,322.27	187.57
32 33 13 00-0045	EA	9' x 42" High Serpentine Bike Rack, 11 Bikes, Powder Coated	1,512.36	200.07
32 33 13 00-0046	EA	11' x 42" High Serpentine Bike Rack, 13 Bikes, Powder Coated	1,764.36	212.58
32 33 13 00-0047	EA	13' x 42" High Serpentine Bike Rack, 15 Bikes, Powder Coated	2,098.87	250.10
32 33 13 00-0048	EA	15' x 42" High Serpentine Bike Rack, 17 Bikes, Powder Coated	2,433.40	237.60
32 33 13 00-0049	EA	17' x 42" High Serpentine Bike Rack, 19 Bikes, Powder Coated	2,747.30	250.10
32 33 13 00-0050		**Stainless Steel, 36" High, 2-3/8" OD Tubing** *(32 33 13 00-0015)*		
32 33 13 00-0051	EA	1' x 36" High Serpentine Bike Rack, 3 Bikes, Stainless Steel	1,117.23	150.06
32 33 13 00-0052	EA	3' x 36" High Serpentine Bike Rack, 5 Bikes, Stainless Steel	1,666.95	162.56
32 33 13 00-0053	EA	5' x 36" High Serpentine Bike Rack, 7 Bikes, Stainless Steel	2,216.71	175.07
32 33 13 00-0054	EA	7' x 36" High Serpentine Bike Rack, 9 Bikes, Stainless Steel	2,841.44	187.57
32 33 13 00-0055	EA	9' x 36" High Serpentine Bike Rack, 11 Bikes, Stainless Steel	3,466.15	200.07
32 33 13 00-0056	EA	11' x 36" High Serpentine Bike Rack, 13 Bikes, Stainless Steel	3,791.01	212.58
32 33 13 00-0057		**Stainless Steel, 42" High, 2-3/8" OD Tubing** *(32 33 13 00-0015)*		
32 33 13 00-0058	EA	1' x 42" High Serpentine Bike Rack, 3 Bikes, Stainless Steel	875.83	150.06
32 33 13 00-0059	EA	3' x 42" High Serpentine Bike Rack, 5 Bikes, Stainless Steel	1,932.56	162.56
32 33 13 00-0060	EA	5' x 42" High Serpentine Bike Rack, 7 Bikes, Stainless Steel	2,535.33	175.07
32 33 13 00-0061	EA	7' x 42" High Serpentine Bike Rack, 9 Bikes, Stainless Steel	3,096.84	187.57
32 33 13 00-0062	EA	9' x 42" High Serpentine Bike Rack, 11 Bikes, Stainless Steel	3,679.00	200.07
32 33 13 00-0063	EA	11' x 42" High Serpentine Bike Rack, 13 Bikes, Stainless Steel	4,281.78	212.58
32 33 13 00-0064	EA	13' x 42" High Serpentine Bike Rack, 15 Bikes, Stainless Steel	4,802.01	250.10
32 33 13 00-0065	EA	15' x 42" High Serpentine Bike Rack, 17 Bikes, Stainless Steel	5,528.59	237.60
32 33 13 00-0066	EA	17' x 42" High Serpentine Bike Rack, 19 Bikes, Stainless Steel	6,234.55	250.10
32 33 13 00-0067		**Bike Racks Bollards/Bicycle Posts** *(32 33 13 00-0001)* Note: In-ground mount.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 13 00-0068	EA	43" Overall Height, 4-1/2" Outside Diameter Bollard/Bicycle Post, 2 Loop Galvanized Steel Bollard (Belson BOL450-2R-IG-G)	668.72	112.55
32 33 13 00-0069		**Surface Mounted Bike Rack** *(32 33 13 00-0001)* Note: Includes fastening to concrete.		
32 33 13 00-0070	EA	1 Loop, 2 Bike, Powder Coated Steel, Surface Mounted Bike Rack (Creative Pipe SU Series)	638.27	124.51
32 33 13 00-0071	EA	2 Loop, 4 Bike, Powder Coated Steel, Surface Mounted Bike Rack (Creative Pipe GL Series)	1,618.52	74.71
32 33 13 00-0072	EA	3 Loop, 4 Bike, Powder Coated Steel, Surface Mounted Bike Rack (Creative Pipe GL Series)	1,738.89	84.67
32 33 13 00-0073	EA	4 Loop, 8 Bike, Powder Coated Steel, Surface Mounted Bike Rack (Creative Pipe GL Series)	1,934.61	94.63
32 33 13 00-0074	EA	5 Loop, 10 Bike, Powder Coated Steel, Surface Mounted Bike Rack (Creative Pipe GL Series)	2,080.09	104.59
32 33 13 00-0075	EA	6 Loop, 12 Bike, Powder Coated Steel, Surface Mounted Bike Rack (Creative Pipe GL Series)	2,225.57	114.55
32 33 13 00-0076	EA	7 Loop, 14 Bike, Powder Coated Steel, Surface Mounted Bike Rack (Creative Pipe GL Series)	2,496.63	124.51
32 33 23		**Site Trash and Litter Receptacles** *(32 33)*		
32 33 23 00-0001		Steel Trash Containment *(32 33 23)*		
32 33 23 00-0002		Steel Frame Surrounded With Kiln-Dried Wood *(32 33 23 00-0001)*		
32 33 23 00-0003	EA	13" x 13" x 30" Ash Receptacle Steel Frame, Kiln Dried Wood	570.39	59.77
32 33 23 00-0004	EA	24" x 24" x 30" High Open Top Trash Container Steel Frame, Kiln Dried Wood	544.65	59.77
32 33 23 00-0005	EA	21" x 21" x 31" High Flat Top Trash Container Steel Frame, Kiln Dried Wood	544.65	59.77
32 33 23 00-0006	EA	24" x 24" x 31" High, Flat Top Trash Container Steel Frame, Kiln Dried Wood	515.69	59.77
32 33 23 00-0007	EA	18" x 18" x 37" High Dome Top Trash Container Steel Frame, Kiln Dried Wood	570.39	59.77
32 33 23 00-0008	EA	23" x 23" x 37" High Dome Top Trash Container Steel Frame, Kiln Dried Wood	515.69	59.77
32 33 23 00-0009	EA	24" x 24" x 37" High Dome Top Trash Container Steel Frame, Kiln Dried Wood	705.52	59.77
32 33 23 00-0010		Square Steel Frames Surrounded With Flat Steel *(32 33 23 00-0001)*		
32 33 23 00-0011	EA	26" Diameter x 34" High Open Top Trash Square Container Steel Frame, Flat Steel Surround	1,029.31	59.77
32 33 23 00-0012	EA	26" Diameter x 34" High Dome Top Trash Square Container Steel Frame, Flat Steel Surround	1,111.07	59.77
32 33 23 00-0013	EA	26" Diameter x 39" High Dome Top Trash Square Container Steel Frame, Flat Steel Surround	1,111.07	59.77
32 33 23 00-0014		Round Steel Pipe And Flat Steel Frames *(32 33 23 00-0001)* Note: Surrounded with kiln-dried wood.		
32 33 23 00-0015	EA	21" Diameter x 32" High Open Top Trash Container Steel Pipe, Flat Steel Frame, Kiln Dried Wood	1,519.90	59.77
32 33 23 00-0016	EA	21" Diameter x 32" High Flat Top Trash Steel Container Pipe, Flat Steel Frame, Kiln Dried Wood	1,636.71	59.77
32 33 23 00-0017	EA	21" Diameter x 39" High Dome Top Trash Steel Container Pipe, Flat Steel Frame, Kiln Dried Wood	1,884.93	59.77
32 33 23 00-0018	EA	21" Diameter x 40" High HPR Top Trash Container Steel Pipe, Flat Steel Frame, Kiln Dried Wood	1,709.71	59.77
32 33 23 00-0019		Round Steel Pipe Surrounded With Perforated *(32 33 23 00-0001)*		
32 33 23 00-0020	EA	21" Diameter x 32" High Open Top Trash Container Perforated Round Steel Pipe	1,359.29	59.77
32 33 23 00-0021	EA	21" Diameter x 32" High Flat Top Trash Container Perforated Round Steel Pipe	1,476.10	59.77
32 33 23 00-0022	EA	21" Diameter x 39" High Dome Top Trash Container Perforated Round Steel Pipe	1,724.31	59.77
32 33 23 00-0023	EA	21" Diameter x 40" High HPR Top Trash Container Perforated Round Steel Pipe	1,563.70	59.77
32 33 23 00-0024		Round Steel Pipe Frames Surrounded With Welded Wire *(32 33 23 00-0001)*		
32 33 23 00-0025	EA	21" Diameter x 32" High Flat Top Trash Container Steel Pipe Frame, Welded Wire Surround	1,081.87	59.77
32 33 23 00-0026	EA	21" Diameter x 32" High Open Top Trash Steel Container Pipe Frame, Welded Wire Surround	1,198.68	59.77
32 33 23 00-0027	EA	21" Diameter x 39" High Dome Top Trash Steel Container Pipe Frame, Welded Wire Surround	1,446.90	59.77
32 33 23 00-0028	EA	21" Diameter x 40" High HPR Top Trash Container Steel Pipe Frame, Welded Wire Surround	1,286.29	59.77
32 33 23 00-0029		Litter Baskets *(32 33 23)*		
32 33 23 00-0030		Round Wire Litter Baskets *(32 33 23 00-0029)*		
32 33 23 00-0031	EA	1.33' Diameter x 1.83' High Round Wire Litter Basket	190.40	6.08
32 33 23 00-0032	EA	1.5' Diameter x 1.83' High Round Wire Litter Basket	240.36	6.08
32 33 23 00-0033	EA	1.75' Diameter x 2.33' High Round Wire Litter Basket	325.15	6.08
32 33 23 00-0034	EA	1.83' Diameter x 2.83' High Round Wire Litter Basket	372.99	6.08
32 33 23 00-0035		Trash Can/Wire Basket Holder *(32 33 23 00-0029)*		
32 33 23 00-0036	EA	Steel Post, Single Holder	273.15	48.80
32 33 23 00-0037	EA	Steel Post, Double Holder	368.77	48.80
32 33 23 00-0038	EA	Redwood Post, Single Holder	144.97	48.80
32 33 23 00-0039	EA	Redwood Post, Double Holder	166.44	48.80
32 33 23 00-0040		Litter Receptacles, Freestanding *(32 33 23 00-0029)* Note: Includes 1-1/2" outside diameter steel leg supports. Wall mounted, includes 3/8" x 3" steel wall plates. Surface mounted, includes 2-1/2" outside diameter steel tube with floor flange, embedded to include 2-1/2" outside diameter steel tube.		
32 33 23 00-0041	EA	16" Diameter x 28" High Litter Receptacle, Freestanding Or Embedded	1,529.84	24.90
		For Powder Coated Sand Pan, Add	*50.00*	
		For Orange Peel Lid, Add	*25.00*	
		For Polished Granite Lid, Add	*50.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 23 00-0042	EA	16" Diameter x 32" High Litter Receptacle, Freestanding Or Embedded	1,610.28	24.90
		For Powder Coated Sand Pan, Add	*50.00*	
		For Orange Peel Lid, Add	*25.00*	
		For Polished Granite Lid, Add	*50.00*	
32 33 23 00-0043	EA	20" Diameter x 36" High Litter Receptacle, Freestanding Or Embedded	1,876.49	37.34
		For Powder Coated Sand Pan, Add	*50.00*	
		For Orange Peel Lid, Add	*25.00*	
		For Polished Granite Lid, Add	*50.00*	
32 33 23 00-0044	EA	20" Diameter x 40" High Litter Receptacle, Freestanding Embedded	1,956.93	37.34
		For Powder Coated Sand Pan, Add	*50.00*	
		For Orange Peel Lid, Add	*25.00*	
		For Polished Granite Lid, Add	*50.00*	
32 33 23 00-0045	EA	16" Diameter x 28" High Litter Receptacle, Pole Mount With Pole	2,037.37	37.34
		For Powder Coated Sand Pan, Add	*50.00*	
		For 1-1/2" x 8-1/2" Diameter Metal Cover Plate, Add	*22.50*	
		For Orange Peel Lid, Add	*25.00*	
		For Polished Granite Lid, Add	*50.00*	
32 33 23 00-0046	EA	16" Diameter x 32" High Litter Receptacle, Pole Mount With Pole	2,117.81	37.34
		For Powder Coated Sand Pan, Add	*50.00*	
		For 1-1/2" x 8-1/2" Diameter Metal Cover Plate, Add	*22.50*	
		For Orange Peel Lid, Add	*25.00*	
		For Polished Granite Lid, Add	*50.00*	
32 33 23 00-0047	EA	16" Diameter x 28" High Litter Receptacle, Wall Mount	1,689.57	32.37
		For Powder Coated Sand Pan, Add	*50.00*	
		For Orange Peel Lid, Add	*25.00*	
		For Polished Granite Lid, Add	*50.00*	
		For 1-1/2" x 6" Diameter Metal Cover Plate , Add	*20.00*	
32 33 23 00-0048	EA	16" Diameter x 32" High Litter Receptacle, Wall Mount	1,770.01	32.37
		For Powder Coated Sand Pan, Add	*50.00*	
		For Orange Peel Lid, Add	*25.00*	
		For Polished Granite Lid, Add	*50.00*	
		For 1-1/2" x 6" Diameter Metal Cover Plate , Add	*20.00*	

32 33 23 00-0049 Ash Receptacles *(32 33 23)*

32 33 23 00-0050	EA	12" Diameter x 21" High Ash Receptacle, Freestanding Or Embedded	660.33	24.90
		For 1-1/2" x 8-1/2" Diameter Metal Cover Plate, Add	*22.50*	
		For Sand Pan, Add	*110.00*	
		For Bowl And Funnel, Add	*120.00*	
32 33 23 00-0051	EA	18" Square Concrete Exposed Aggregate x 36" High Ash Receptacles With 3-1/2" ID iron Pipe With Cap Square Concrete With Steel Liner	281.84	24.90

32 33 23 00-0052 Trash Receptacles *(32 33 23)*

32 33 23 00-0053	EA	Outdoor Covered Steel Receptacle With Liner	1,256.36	24.90
32 33 23 00-0054	EA	Driftwood And Sable Receptacle, 35 Gallon With Liner And Frame	431.30	24.90
32 33 23 00-0055	EA	24" x 24" Square Trash Containment With Exposed Aggregate Finish	712.29	24.90
32 33 23 00-0056	EA	30" x 30" Square Trash Containment With Exposed Aggregate Finish	743.25	27.39
32 33 23 00-0057	EA	36" x 36" Square Trash Containment With Exposed Aggregate Finish	800.19	29.88
32 33 23 00-0058	EA	32 Gallon, Open Round Trash Receptacle, Recycled Plastic Lumber	501.06	19.92
32 33 23 00-0059	EA	32 Gallon, Round Trash Receptacle With Liner And Lid, Recycled Plastic Lumber	597.15	19.92
32 33 23 00-0060	EA	24" x 24" Square 18" High Trash Receptacle, Fiberglass	1,160.70	24.90
32 33 23 00-0061	EA	25" Square x 34" Height, Concrete Trash Receptacle With "C" Style Lid (Quick Crete QS-CAL2534W-C21)	1,498.74	32.87

32 33 23 00-0062 Trash Containers (Dumpsters) *(32 33 23)*

32 33 23 00-0063	EA	1 CY Straight Side Trash Dumpster	311.21	
32 33 23 00-0064	EA	1.5 CY Straight Side Trash Dumpster	466.82	
32 33 23 00-0065	EA	2 CY Straight Side Trash Dumpster	622.43	
32 33 23 00-0066	EA	2 CY Sloped Side Trash Dumpster	622.43	
32 33 23 00-0067	EA	3 CY Sloped Side Trash Dumpster	933.64	
32 33 23 00-0068	EA	4 CY Sloped Side Trash Dumpster	1,244.85	
32 33 23 00-0069	EA	6 CY Sloped Side Trash Dumpster	1,867.28	
32 33 23 00-0070	EA	8 CY Sloped Side Trash Dumpster	2,489.71	

32 33 33 Site Manufactured Planters *(32 33)*

32 33 33 00-0001 Precast Concrete Planters *(32 33 33)*

32 33 33 00-0002 Circular Precast Concrete Planters *(32 33 33 00-0001)*

32 33 33 00-0003	EA	24" Diameter, 17" Height, Circular Precast Concrete Planter	766.52	29.35
32 33 33 00-0004	EA	24" Diameter, 24" Height, Circular Precast Concrete Planter	858.74	35.21
32 33 33 00-0005	EA	24" Diameter, 33" Height, Circular Precast Concrete Planter	939.23	35.21
32 33 33 00-0006	EA	30" Diameter, 17" Height, Circular Precast Concrete Planter	1,019.62	41.09
32 33 33 00-0007	EA	30" Diameter, 30" Height, Circular Precast Concrete Planter	1,234.85	52.82
32 33 33 00-0008	EA	36" Diameter, 24" Height, Circular Precast Concrete Planter	1,343.75	52.82
32 33 33 00-0009	EA	36" Diameter, 30" Height, Circular Precast Concrete Planter	1,514.09	58.70
32 33 33 00-0010	EA	48" Diameter, 17" Height, Circular Precast Concrete Planter	1,599.31	58.70
32 33 33 00-0011	EA	48" Diameter, 24" Height, Circular Precast Concrete Planter	1,782.54	73.37
32 33 33 00-0012	EA	48" Diameter, 30" Height, Circular Precast Concrete Planter	1,896.10	78.06
32 33 33 00-0013	EA	48" Diameter, 36" Height, Circular Precast Concrete Planter	1,975.33	82.17
32 33 33 00-0014	EA	60" Diameter, 17" Height, Circular Precast Concrete Planter	1,793.55	73.37

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 33 00-0015	EA	60" Diameter, 24" Height, Circular Precast Concrete Planter	1,972.96	82.17
32 33 33 00-0016	EA	60" Diameter, 36" Height, Circular Precast Concrete Planter	2,526.81	88.04
32 33 33 00-0017	EA	72" Diameter, 36" Height, Circular Precast Concrete Planter	3,279.22	111.52
32 33 33 00-0018	EA	84" Diameter, 36" Height, Circular Precast Concrete Planter	3,809.41	117.38
32 33 33 00-0019		**Square Precast Concrete Planters** *(32 33 33 00-0001)*		
32 33 33 00-0020	EA	36" Square, 30" Height, Square Precast Concrete Planter	1,546.23	76.30
32 33 33 00-0021	EA	42" Square, 30" Height, Square Precast Concrete Planter	1,769.99	82.17
32 33 33 00-0022	EA	60" Square, 36" Height, Square Precast Concrete Planter	2,794.22	93.91
32 33 33 00-0023	EA	72" Square, 36" Height, Square Precast Concrete Planter	2,981.14	99.78
32 33 33 00-0024		**Rectangular Precast Concrete Planters** *(32 33 33 00-0001)*		
32 33 33 00-0025	EA	33" x 18", 20" Height, Rectangular Precast Concrete Planter	894.25	35.21
32 33 33 00-0026	EA	48" x 18", 20" Height, Rectangular Precast Concrete Planter	1,050.20	52.82
32 33 33 00-0027	EA	60" x 18", 20" Height, Rectangular Precast Concrete Planter	1,218.18	58.70
32 33 33 00-0028	EA	72" x 18", 20" Height, Rectangular Precast Concrete Planter	1,387.20	73.37
32 33 33 00-0029		**Fiberglass Planters** *(32 33 33)*		
32 33 33 00-0030		**Circular Fiberglass Planters** *(32 33 33 00-0029)*		
32 33 33 00-0031	EA	36" Diameter, 27" High, Circular Fiberglass Planter	2,084.02	29.35
32 33 33 00-0032	EA	60" Diameter, 39" High, Circular Fiberglass Planter	3,479.83	29.35
32 33 33 00-0033	EA	36" Diameter, 24" High, Circular Fiberglass Planter	1,383.62	29.35
32 33 33 00-0034	EA	60" Diameter, 24" High, Circular Fiberglass Planter	2,744.01	29.35
32 33 33 00-0035		**Tapered Circular Fiberglass Planters** *(32 33 33 00-0029)*		
32 33 33 00-0036	EA	24" Diameter, 20" High, Tapered Circular Fiberglass Planter	800.21	29.35
32 33 33 00-0037	EA	30" Diameter, 25" High, Tapered Circular Fiberglass Planter	1,181.31	29.35
32 33 33 00-0038	EA	36" Diameter, 30" High, Tapered Circular Fiberglass Planter	2,119.44	29.35
32 33 33 00-0039	EA	40" Diameter, 36" High, Tapered Circular Fiberglass Planter	2,966.54	29.35
32 33 33 00-0040		**Square Fiberglass Planters** *(32 33 33 00-0029)*		
32 33 33 00-0041	EA	24" Square, 21" High, Square Fiberglass Planter	1,056.29	29.35
32 33 33 00-0042	EA	24" Square, 24" High, Square Fiberglass Planter	1,080.17	29.35
32 33 33 00-0043	EA	30" Square, 12" High, Square Fiberglass Planter	1,092.80	29.35
32 33 33 00-0044	EA	30" Square, 21" High, Square Fiberglass Planter	1,242.01	29.35
32 33 33 00-0045	EA	30" Square, 24" High, Square Fiberglass Planter	1,350.72	29.35
32 33 33 00-0046		**Rectangular Fiberglass Planters** *(32 33 33 00-0029)*		
32 33 33 00-0047	EA	48" x 12", 12" High, Rectangular Fiberglass Planter	1,218.38	29.35
32 33 33 00-0048	EA	48" x 12", 21" High, Rectangular Fiberglass Planter	1,307.53	29.35
32 33 33 00-0049	EA	48" x 24", 12" High, Rectangular Fiberglass Planter	1,709.00	29.35
32 33 33 00-0050	EA	48" x 24", 21" High, Rectangular Fiberglass Planter	1,887.30	29.35
32 33 33 00-0051		**Timber Planters** *(32 33 33)*		
32 33 33 00-0052		**Square Timber Planters** *(32 33 33 00-0051)*		
32 33 33 00-0053	EA	14" Square, 30" High, Square Timber Planter	527.02	59.77
32 33 33 00-0054	EA	21" Square, 30" High, Square Timber Planter	527.02	59.77
32 33 33 00-0055	EA	27" Square, 30" High, Square Timber Planter	978.45	59.77
32 33 33 00-0056	EA	34" Square, 30" High, Square Timber Planter	851.29	59.77
32 33 33 00-0057	EA	41" Square, 36" High, Square Timber Planter	1,010.24	59.77
32 33 33 00-0058	EA	54" Square, 36" High, Square Timber Planter	2,561.64	59.77
32 33 33 00-0059	EA	81" Square, 36" High, Square Timber Planter	3,839.63	59.77
32 33 33 00-0060		**Rectangular Timber Planters** *(32 33 33 00-0051)*		
32 33 33 00-0061	EA	21" x 14", 30" High, Rectangular Timber Planter	520.66	59.77
32 33 33 00-0062	EA	27" x 14", 30" High, Rectangular Timber Planter	577.88	59.77
32 33 33 00-0063	EA	27" x 21", 30" High, Rectangular Timber Planter	749.55	59.77
32 33 33 00-0064	EA	34" x 21", 30" High, Rectangular Timber Planter	825.85	59.77
32 33 33 00-0065	EA	41" x 21", 30" High, Rectangular Timber Planter	1,054.75	59.77
32 33 33 00-0066	EA	34" x 27", 30" High, Rectangular Timber Planter	1,220.06	59.77
32 33 33 00-0067	EA	41" x 27", 30" High, Rectangular Timber Planter	1,359.94	59.77
32 33 33 00-0068	EA	54" x 27", 30" High, Rectangular Timber Planter	1,760.51	59.77
32 33 33 00-0069	EA	54" x 34", 30" High, Rectangular Timber Planter	1,983.04	59.77
32 33 33 00-0070	EA	68" x 34", 36" High, Rectangular Timber Planter	2,256.45	59.77
32 33 33 00-0071	EA	54" x 41", 36" High, Rectangular Timber Planter	2,148.36	59.77
32 33 33 00-0072	EA	68" x 41", 36" High, Rectangular Timber Planter	2,428.12	59.77
32 33 33 00-0073	EA	81" x 41", 36" High, Rectangular Timber Planter	2,714.23	59.77

32 33 43 Site Seating and Tables *(32 33)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 13		**Site Seating** *(32 33 43)*		
32 33 43 13-0001		Benches (Landscapeforms) *(32 33 43 13)* Note: Excludes embedding in concrete See CSI section 32 31 13 13-0001 for drilling and concrete.		
32 33 43 13-0002	EA	72" Backless Wood Or PolySite Bench (Landscapeforms Balustrade)	1,657.25	99.60
32 33 43 13-0003	EA	72" Backed Wood Or PolySite Bench (Landscapeforms Balustrade)	2,065.50	99.60
32 33 43 13-0004	EA	96" Backed Wood Bench (Landscapeforms Balustrade)	2,327.95	99.60
32 33 43 13-0005	EA	End Loop Arms For Backed Bench (Landscapeforms Balustrade)	195.61	24.90
32 33 43 13-0006	EA	72" Backless Wood Or PolySite Bench (Landscapeforms Gretchen's)	1,809.39	99.60
32 33 43 13-0007	EA	96" Backless Wood Bench (Landscapeforms Gretchen's)	2,043.95	99.60
32 33 43 13-0008	EA	72" Backed Wood Or PolySite Bench (Landscapeforms Gretchen's)	2,227.79	99.60
32 33 43 13-0009	EA	96" Backed Wood Bench (Landscapeforms Gretchen's)	2,513.05	99.60
32 33 43 13-0010	EA	72" Backed Wood Or PolySite Bench With Armrest (Landscapeforms Gretchen's)	2,544.75	99.60
32 33 43 13-0011	EA	96" Backed Wood Bench With Armrest (Landscapeforms Gretchen's)	2,830.02	99.60
32 33 43 13-0012	EA	59" Backed Wood Or Metal Rod Bench (Landscapeforms Hyde Park)	3,296.08	99.60
32 33 43 13-0013	EA	75" Backed Wood Or Metal Rod Bench (Landscapeforms Hyde Park)	3,580.34	99.60
32 33 43 13-0014	EA	42" Backless Metal Grid Bench (Landscapeforms Manistee)	942.33	74.71
32 33 43 13-0015	EA	62" Backless Metal Grid Bench (Landscapeforms Manistee)	1,017.13	74.71
32 33 43 13-0016	EA	72" Backless Metal Grid Bench (Landscapeforms Manistee)	1,101.88	87.16
32 33 43 13-0017	EA	82" Backless Metal Grid Bench (Landscapeforms Manistee)	1,281.41	87.16
32 33 43 13-0018	EA	42" Backed Metal Grid Bench (Landscapeforms Manistee)	1,176.68	87.16
32 33 43 13-0019	EA	62" Backed Metal Grid Bench (Landscapeforms Manistee)	1,251.48	87.16
32 33 43 13-0020	EA	72" Backed Metal Grid Bench (Landscapeforms Manistee)	1,351.19	99.60
32 33 43 13-0021	EA	82" Backed Metal Grid Bench (Landscapeforms Manistee)	1,545.68	99.60
32 33 43 13-0022	EA	42" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee)	1,311.33	87.16
32 33 43 13-0023	EA	62" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee)	1,411.03	99.60
32 33 43 13-0024	EA	72" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee)	1,485.83	99.60
32 33 43 13-0025	EA	82" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee)	1,680.32	99.60
32 33 43 13-0026	EA	72" Backless Solid Wood Bench (Landscapeforms Palisade)	2,658.86	99.60
32 33 43 13-0027	EA	96" Backless Solid Wood Bench (Landscapeforms Palisade)	3,051.89	99.60
32 33 43 13-0028	EA	70" Backless Perforated Metal Bench (Landscapeforms Petoskey)	1,715.57	99.60
32 33 43 13-0029	EA	70" Dual Support Backed Perforated Metal Bench (Landscapeforms Petoskey)	2,065.50	99.60
32 33 43 13-0030	EA	70" Quad Support Backed Perforated Metal Bench (Landscapeforms Petoskey)	2,240.46	99.60
32 33 43 13-0031	EA	72" Backed Wood Bench (Landscapeforms Plainwell)	2,183.41	99.60
32 33 43 13-0032	EA	72" Backed Wood Bench With Center Arm (Landscapeforms Plainwell)	2,417.97	99.60
32 33 43 13-0033	EA	96" Backed Wood Bench (Landscapeforms Plainwell)	2,671.54	99.60
32 33 43 13-0034	EA	96" Backed Wood Bench With Center Arm (Landscapeforms Plainwell)	2,906.09	99.60
32 33 43 13-0035	EA	96" Backed Wood Bench With Two Center Arms (Landscapeforms Plainwell)	3,146.98	99.60
32 33 43 13-0036	EA	72" Backed Aluminum Bench (Landscapeforms Plainwell)	2,772.97	99.60
32 33 43 13-0037	EA	72" Backed Aluminum Bench With Center Arm (Landscapeforms Plainwell)	3,007.52	99.60
32 33 43 13-0038	EA	96" Backed Aluminum Bench (Landscapeforms Plainwell)	3,394.22	99.60
32 33 43 13-0039	EA	96" Backed Aluminum Bench With Center Arm (Landscapeforms Plainwell)	3,641.45	99.60
32 33 43 13-0040	EA	96" Backed Aluminum Bench With Two Center Arms (Landscapeforms Plainwell)	3,869.66	99.60
32 33 43 13-0041	EA	Backless Metal Grid Seats For Straight Runs (Landscapeforms Plexus)	633.03	24.90
32 33 43 13-0042	EA	Backless Metal Grid Seats For 60 Degree Radius (Landscapeforms Plexus)	848.56	24.90
32 33 43 13-0043	EA	Backless Metal Grid Seats For 120 Degree Radius (Landscapeforms Plexus)	848.56	24.90
32 33 43 13-0044	EA	Backed Metal Grid Seats For Straight Runs (Landscapeforms Plexus)	772.49	24.90
32 33 43 13-0045	EA	Narrow-Backed Metal Grid Seats For 60 Degree Radius (Landscapeforms Plexus)	956.33	24.90
32 33 43 13-0046	EA	Narrow-Backed Metal Grid Seats For 120 Degree Radius (Landscapeforms Plexus)	956.33	24.90
32 33 43 13-0047	EA	Wide-Backed Metal Grid Seats For 120 Degree Radius (Landscapeforms Plexus)	956.33	24.90
32 33 43 13-0048	EA	Armrest For Metal Grid Seats (Landscapeforms Plexus)	195.61	24.90
32 33 43 13-0049	EA	Backless Straight Metal Grid Seats (Landscapeforms Presidio)	886.60	24.90
32 33 43 13-0050	EA	Backless Straight Metal Grid Seats With One Arm (Landscapeforms Presidio)	981.69	24.90
32 33 43 13-0051	EA	Backless Straight Metal Grid Seats With Two Arms (Landscapeforms Presidio)	1,076.78	24.90
32 33 43 13-0052	EA	Backless Angled Metal Grid Seats (Landscapeforms Presidio)	1,070.44	24.90
32 33 43 13-0053	EA	Backless Angled Metal Grid Seats With One Arm (Landscapeforms Presidio)	1,165.53	24.90
32 33 43 13-0054	EA	Backless Angled Metal Grid Seats With Two Arms (Landscapeforms Presidio)	1,260.62	24.90
32 33 43 13-0055	EA	Backed Straight Metal Grid Seats (Landscapeforms Presidio)	1,057.76	24.90
32 33 43 13-0056	EA	Backed Straight Metal Grid Seats With One Arm (Landscapeforms Presidio)	1,152.85	24.90
32 33 43 13-0057	EA	Backed Straight Metal Grid Seats With Two Arms (Landscapeforms Presidio)	1,247.94	24.90
32 33 43 13-0058	EA	Narrow-Backed Angled Metal Grid Seats (Landscapeforms Presidio)	1,292.31	24.90
32 33 43 13-0059	EA	Narrow-Backed Angled Metal Grid Seats With One Arm (Landscapeforms Presidio)	1,387.40	24.90
32 33 43 13-0060	EA	Narrow-Backed Angled Metal Grid Seats With Two Arms (Landscapeforms Presidio)	1,482.49	24.90
32 33 43 13-0061	EA	Wide-Backed Angled Metal Grid Seats (Landscapeforms Presidio)	1,292.31	24.90
32 33 43 13-0062	EA	Wide-Backed Angled Metal Grid Seats With One Arm (Landscapeforms Presidio)	1,387.40	24.90
32 33 43 13-0063	EA	Wide-Backed Angled Metal Grid Seats With Two Arms (Landscapeforms Presidio)	1,482.49	24.90
32 33 43 13-0064	EA	48" Backless Horizontal Strap Bench (Landscapeforms Scarborough)	1,784.03	99.60
32 33 43 13-0065	EA	72" Backless Horizontal Strap Bench (Landscapeforms Scarborough)	1,809.39	99.60
32 33 43 13-0066	EA	96" Backless Horizontal Strap Bench (Landscapeforms Scarborough)	2,196.09	99.60
32 33 43 13-0067	EA	48" Backless Woven Bench (Landscapeforms Scarborough)	2,658.86	99.60
32 33 43 13-0068	EA	72" Backless Woven Bench (Landscapeforms Scarborough)	3,134.31	99.60
32 33 43 13-0069	EA	96" Backless Woven Bench (Landscapeforms Scarborough)	3,584.40	99.60
32 33 43 13-0070	EA	24" Backed Horizontal Strap Bench (Landscapeforms Scarborough)	1,441.71	99.60
32 33 43 13-0071	EA	48" Backed Horizontal Strap Bench (Landscapeforms Scarborough)	1,910.82	99.60
32 33 43 13-0072	EA	72" Backed Horizontal Strap Bench (Landscapeforms Scarborough)	1,955.20	99.60
32 33 43 13-0073	EA	72" Backed Horizontal Strap Bench With Center Arm (Landscapeforms Scarborough)	2,246.80	99.60
32 33 43 13-0074	EA	96" Backed Horizontal Strap Bench (Landscapeforms Scarborough)	2,532.07	99.60
32 33 43 13-0075	EA	96" Backed Horizontal Strap Bench With Center Arm (Landscapeforms Scarborough)	2,830.02	99.60
32 33 43 13-0076	EA	96" Backed Horizontal Strap Bench With Two Intermediate Arms (Landscapeforms Scarborough)	3,121.63	99.60
32 33 43 13-0077	EA	24" Backed Woven Bench (Landscapeforms Scarborough)	2,532.07	99.60
32 33 43 13-0078	EA	48" Backed Woven Bench (Landscapeforms Scarborough)	3,058.23	99.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 13-0079	EA	72" Backed Woven Bench (Landscapeforms Scarborough)	3,571.72	99.60
32 33 43 13-0080	EA	72" Backed Woven Bench With Center Arm (Landscapeforms Scarborough)	3,869.66	99.60
32 33 43 13-0081	EA	96" Backed Woven Bench (Landscapeforms Scarborough)	4,503.59	99.60
32 33 43 13-0082	EA	96" Backed Woven Bench With Center Arm (Landscapeforms Scarborough)	4,795.20	99.60
32 33 43 13-0083	EA	96" Backed Woven Bench With Two Intermediate Arms (Landscapeforms Scarborough)	5,080.47	99.60
32 33 43 13-0084	EA	32" Backed Strap Or Perforated Bench (Landscapeforms Town Square)	1,220.29	87.16
32 33 43 13-0085	EA	49" Backed Strap Or Perforated Bench (Landscapeforms Town Square)	1,467.53	87.16
32 33 43 13-0086	EA	49" Backed Strap Or Perforated Bench With Divider (Landscapeforms Town Square)	1,600.65	87.16
32 33 43 13-0087	EA	70" Backed Strap Or Perforated Bench (Landscapeforms Town Square)	1,872.79	99.60
32 33 43 13-0088	EA	70" Backed Strap Or Perforated Bench With Two Dividers (Landscapeforms Town Square)	2,120.02	99.60
32 33 43 13-0089		**Benches (Columbia Cascade, TimberForm)** *(32 33 43 13)*		
32 33 43 13-0090		**Wood Benches (Columbia Cascade, TimberForm)** *(32 33 43 13-0089)*		
		Note: Includes powder coated steel frames.		
32 33 43 13-0091	EA	70" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-6-E)	899.16	49.81
32 33 43 13-0092	EA	94" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-8-E)	1,031.28	49.81
32 33 43 13-0093	EA	118" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-10-E)	1,321.90	49.81
32 33 43 13-0094	EA	70" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-6-P)	938.81	49.81
32 33 43 13-0095	EA	94" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-8-P)	1,070.91	49.81
32 33 43 13-0096	EA	118" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-10-P)	1,374.74	49.81
32 33 43 13-0097	EA	70" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-6-E)	1,374.74	49.81
32 33 43 13-0098	EA	94" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-8-E)	1,599.31	49.81
32 33 43 13-0099	EA	118" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-10-E)	2,061.65	49.81
32 33 43 13-0100	EA	70" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-6-P)	1,440.79	49.81
32 33 43 13-0101	EA	94" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-8-P)	1,665.36	49.81
32 33 43 13-0102	EA	118" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-10-P)	2,154.12	49.81
32 33 43 13-0103	EA	70" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-6-E)	2,656.10	49.81
32 33 43 13-0104	EA	94" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-8-E)	3,118.45	49.81
32 33 43 13-0105	EA	118" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-10-E)	4,082.78	49.81
32 33 43 13-0106	EA	70" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-6-P)	2,722.15	49.81
32 33 43 13-0107	EA	94" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-8-P)	3,184.50	49.81
32 33 43 13-0108	EA	118" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-10-P)	4,175.25	49.81
32 33 43 13-0109	EA	70" Length, Embedment Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-6-E)	1,044.49	49.81
32 33 43 13-0110	EA	94" Length, Embedment Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-8-E)	1,176.59	49.81
32 33 43 13-0111	EA	70" Length, Pedestal Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-6-P)	1,084.12	49.81
32 33 43 13-0112	EA	94" Length, Pedestal Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-8-P)	1,216.22	49.81
32 33 43 13-0113	EA	46" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-4-E)	1,744.62	49.81
32 33 43 13-0114	EA	70" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-6-E)	2,061.65	49.81
32 33 43 13-0115	EA	46" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-4-P)	1,850.30	49.81
32 33 43 13-0116	EA	70" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-6-P)	2,167.33	49.81
32 33 43 13-0117	EA	70" Length, Wall Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2045-6)	1,097.78	74.71
32 33 43 13-0118	EA	94" Length, Wall Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2045-8)	1,150.62	74.71
32 33 43 13-0119	EA	118" Length, Wall Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2045-10)	1,560.13	74.71
32 33 43 13-0120	EA	46" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-4-E)	846.34	49.81
32 33 43 13-0121	EA	70" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-6-E)	978.44	49.81
32 33 43 13-0122	EA	94" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-8-E)	1,110.54	49.81
32 33 43 13-0123	EA	118" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-10-E)	1,427.58	49.81
32 33 43 13-0124	EA	142" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-12-E)	1,559.68	49.81
32 33 43 13-0125	EA	46" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-4-P)	859.55	49.81
32 33 43 13-0126	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-6-P)	991.65	49.81
32 33 43 13-0127	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-8-P)	1,123.75	49.81
32 33 43 13-0128	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-10-P)	1,467.21	49.81
32 33 43 13-0129	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-12-P)	1,599.31	49.81
32 33 43 13-0130	EA	70" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-6-E)	1,454.00	49.81
32 33 43 13-0131	EA	94" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-8-E)	1,678.57	49.81
32 33 43 13-0132	EA	118" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-10-E)	2,167.33	49.81
32 33 43 13-0133	EA	142" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-12-E)	2,391.90	49.81
32 33 43 13-0134	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-6-P)	1,480.42	49.81
32 33 43 13-0135	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-8-P)	1,704.99	49.81
32 33 43 13-0136	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-10-P)	2,206.96	49.81
32 33 43 13-0137	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-12-P)	2,431.53	49.81
32 33 43 13-0138	EA	70" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-6-E)	1,454.00	49.81
32 33 43 13-0139	EA	82" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-7-E)	2,048.44	49.81
32 33 43 13-0140	EA	94" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-8-E)	1,823.88	49.81
32 33 43 13-0141	EA	118" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-10-E)	2,405.11	49.81
32 33 43 13-0142	EA	142" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-12-E)	2,629.68	49.81
32 33 43 13-0143	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-6-P)	1,665.36	49.81

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 13-0144	EA	82" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-7-P)	2,088.07	49.81
32 33 43 13-0145	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-8-P)	1,850.30	49.81
32 33 43 13-0146	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-10-P)	2,444.74	49.81
32 33 43 13-0147	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-12-P)	2,669.31	49.81
32 33 43 13-0148	EA	70" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2142-6)	1,533.71	74.71
32 33 43 13-0149	EA	94" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2142-8)	1,771.49	74.71
32 33 43 13-0150	EA	118" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2142-10)	2,273.46	74.71
32 33 43 13-0151	EA	70" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2143-6)	1,679.02	74.71
32 33 43 13-0152	EA	94" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2143-8)	1,916.80	74.71
32 33 43 13-0153	EA	118" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2143-10)	2,498.03	74.71

32 33 43 13-0154 Recycled Plastic Benches (Columbia Cascade, TimberForm) *(32 33 43 13-0089)*

Note: Includes powder coated steel frames.

32 33 43 13-0155	EA	70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-6-E)	1,229.43	49.81
32 33 43 13-0156	EA	94" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-8-E)	1,678.57	49.81
32 33 43 13-0157	EA	70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-6-P)	1,269.06	49.81
32 33 43 13-0158	EA	94" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-8-P)	1,718.20	49.81
32 33 43 13-0159	EA	46" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-4-E)	1,929.56	49.81
32 33 43 13-0160	EA	70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-6-E)	2,259.80	49.81
32 33 43 13-0161	EA	46" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-4-P)	2,035.23	49.81
32 33 43 13-0162	EA	70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-6-P)	2,365.48	49.81
32 33 43 13-0163	EA	70" Length, Wall Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2042-6)	1,229.88	74.71
32 33 43 13-0164	EA	94" Length, Wall Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2042-8)	1,480.87	74.71
32 33 43 13-0165	EA	118" Length, Wall Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2042-10)	1,745.07	74.71
32 33 43 13-0166	EA	70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-6-E)	1,004.84	49.81
32 33 43 13-0167	EA	94" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-8-E)	1,348.32	49.81
32 33 43 13-0168	EA	118" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-10-E)	1,612.52	49.81
32 33 43 13-0169	EA	70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-6-P)	1,044.49	49.81
32 33 43 13-0170	EA	94" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-8-P)	1,387.95	49.81
32 33 43 13-0171	EA	118" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-10-P)	1,665.36	49.81
32 33 43 13-0172	EA	70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-6-E)	1,599.31	49.81
32 33 43 13-0173	EA	94" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-8-E)	2,154.12	49.81
32 33 43 13-0174	EA	118" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-10-E)	2,616.47	49.81
32 33 43 13-0175	EA	70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-6-P)	1,665.36	49.81
32 33 43 13-0176	EA	94" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-8-P)	2,246.59	49.81
32 33 43 13-0177	EA	118" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-10-P)	2,708.94	49.81
32 33 43 13-0178	EA	70" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-6-E)	3,118.45	49.81
32 33 43 13-0179	EA	94" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-8-E)	4,294.14	49.81
32 33 43 13-0180	EA	118" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-10-E)	4,756.49	49.81
32 33 43 13-0181	EA	70" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-6-P)	3,184.50	49.81
32 33 43 13-0182	EA	94" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-8-P)	4,386.61	49.81
32 33 43 13-0183	EA	118" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-10-P)	4,848.96	49.81
32 33 43 13-0184	EA	70" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-6-E)	1,955.97	49.81
32 33 43 13-0185	EA	82" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-7-E)	2,722.15	49.81
32 33 43 13-0186	EA	94" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-8-E)	2,603.26	49.81
32 33 43 13-0187	EA	118" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-10-E)	2,986.35	49.81
32 33 43 13-0188	EA	142" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-12-E)	4,016.73	49.81
32 33 43 13-0189	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-6-P)	1,982.39	49.81
32 33 43 13-0190	EA	82" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-7-P)	2,761.78	49.81
32 33 43 13-0191	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-8-P)	2,642.89	49.81
32 33 43 13-0192	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-10-P)	3,025.98	49.81
32 33 43 13-0193	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-12-P)	4,082.78	49.81
32 33 43 13-0194	EA	70" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2154-6)	1,863.96	74.71
32 33 43 13-0195	EA	94" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2154-8)	2,511.24	74.71
32 33 43 13-0196	EA	118" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2154-10)	3,105.69	74.71

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 13-0197	EA	70" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2156-6)	2,088.52	74.71
32 33 43 13-0198	EA	94" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2156-8)	2,788.65	74.71
32 33 43 13-0199	EA	118" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2156-10)	3,066.06	74.71
32 33 43 13-0200	EA	46" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-4-E)	899.18	49.81
32 33 43 13-0201	EA	70" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-6-E)	1,176.59	49.81
32 33 43 13-0202	EA	94" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-8-E)	1,586.10	49.81
32 33 43 13-0203	EA	118" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-10-E)	1,863.51	49.81
32 33 43 13-0204	EA	142" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-12-E)	2,167.33	49.81
32 33 43 13-0205	EA	46" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-4-P)	925.60	49.81
32 33 43 13-0206	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-6-P)	1,203.01	49.81
32 33 43 13-0207	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-8-P)	1,625.73	49.81
32 33 43 13-0208	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-10-P)	1,903.14	49.81
32 33 43 13-0209	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-12-P)	2,220.17	49.81
32 33 43 13-0210	EA	70" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-6-E)	1,744.62	49.81
32 33 43 13-0211	EA	94" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-8-E)	2,391.90	49.81
32 33 43 13-0212	EA	118" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-10-E)	2,946.72	49.81
32 33 43 13-0213	EA	142" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-12-E)	3,316.60	49.81
32 33 43 13-0214	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-6-P)	1,771.04	49.81
32 33 43 13-0215	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-8-P)	2,431.53	49.81
32 33 43 13-0216	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-10-P)	2,986.35	49.81
32 33 43 13-0217	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-12-P)	3,369.44	49.81
32 33 43 13-0218		**Benches (Wabash Valley)** *(32 33 43 13)*		
32 33 43 13-0219		**Prestige/Profile Benches** *(32 33 43 13-0218)*		
32 33 43 13-0220	EA	6' Bench With Arms, Inground, Diamond Site Furniture (Wabash Valley PP411D)	753.30	46.52
32 33 43 13-0221	EA	6' Bench With Arms, Inground, Perforated Site Furniture (Wabash Valley PP411P)	829.01	46.52
32 33 43 13-0222		**Straight Benches** *(32 33 43 13-0218)*		
32 33 43 13-0223	EA	6' Signature Standard Inground Bench With Back (Wabash Valley SG303P)	1,020.00	69.72
32 33 43 13-0224	EA	6' Signature Standard Surface Mount Bench With Back (Wabash Valley SG306P)	1,035.70	69.72
32 33 43 13-0225	EA	8' Signature Standard Inground Bench With Back (Wabash Valley SG315P)	1,111.63	69.72
32 33 43 13-0226	EA	8' Signature Standard Inground Bench Without Back (Wabash Valley SG316P)	737.23	69.72
32 33 43 13-0227	EA	8' Signature Standard Surface Mount Bench With Back (Wabash Valley SG318P)	1,111.63	69.72
32 33 43 13-0228	EA	8' Signature Standard Surface Mount Bench Without Back (Wabash Valley SG319P)	737.23	69.72
32 33 43 13-0229	EA	Shelter With 6' Bench (Wabash Valley SH305P)	7,209.53	89.64
32 33 43 13-0230	EA	2-Seat With Back, Portable (Wabash Valley CL310)	1,497.18	46.52
32 33 43 13-0231	EA	2-Seat With Back, Surface Mount (Wabash Valley CL311D)	1,439.96	69.82
32 33 43 13-0232	EA	2-Seat With Back, Inground (Wabash Valley CL312D)	1,593.73	93.13
32 33 43 13-0233	EA	2-Seat Without Back, Portable (Wabash Valley CL315D)	1,289.23	46.52
32 33 43 13-0234	EA	2-Seat Without Back, Surface Mount (Wabash Valley CL316D)	1,232.00	69.82
32 33 43 13-0235	EA	2-Seat Without Back, Inground (Wabash Valley CL317D)	1,355.20	93.13
32 33 43 13-0236	EA	3-Seat With Back, Portable (Wabash Valley CL320D)	2,166.92	46.52
32 33 43 13-0237	EA	3-Seat With Back, Surface Mount (Wabash Valley CL321D)	2,131.10	69.82
32 33 43 13-0238	EA	3-Seat With Back, Inground (Wabash Valley CL322D)	2,245.12	93.13
32 33 43 13-0239	EA	3-Seat Without Back, Portable (Wabash Valley CL325D)	1,793.82	46.52
32 33 43 13-0240	EA	3-Seat Without Back, Surface Mount (Wabash Valley CL326D)	1,758.00	69.82
32 33 43 13-0241	EA	3-Seat Without Back, Inground (Wabash Valley CL327D)	1,875.08	93.13
32 33 43 13-0242		**Concave Benches** *(32 33 43 13-0218)*		
32 33 43 13-0243	EA	Benches, 15 Deg Concave With Back, Portable, CL405D	2,056.82	46.52
32 33 43 13-0244	EA	Benches, 15 Deg Concave With Back, Surface Mount, CL406D	2,008.77	69.82
32 33 43 13-0245	EA	Benches, 15 Deg Concave With Back, Inground, CL407D	2,125.85	93.13
32 33 43 13-0246	EA	Benches, 15 Deg Concave Without Back, Portable, CL415D	2,010.95	46.52
32 33 43 13-0247	EA	Benches, 15 Deg Concave Without Back, Surface Mount, CL416D	1,962.90	69.82
32 33 43 13-0248	EA	Benches, 15 Deg Concave Without Back, Inground, CL417D	2,079.98	93.13
32 33 43 13-0249		**Swings** *(32 33 43 13-0218)*		
32 33 43 13-0250	EA	4' Swing With Chain (Perforated Or Rib) SP300P	1,576.28	39.85
32 33 43 13-0251	EA	6' Swing With Chain (Perforated Or Rib) SP305P	1,845.95	39.85
32 33 43 13-0252	EA	Round Inground Post Package SP310N	769.98	93.13
32 33 43 13-0253	EA	4' Square Inground Post Package SP315N	1,694.33	119.53
32 33 43 13-0254	EA	6' Square Inground Post Package SP320N	1,835.72	119.53
32 33 43 13-0255		**Accessories** *(32 33 43 13-0218)*		

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 13-0256	EA	Mounting Plate Covers (Set Of 2), MC102N	66.93	6.97
32 33 43 13-0257	EA	Mounting Plate Covers (Set Of 3), MC103N	96.37	9.26
32 33 43 13-0258	EA	Mounting Plate Covers (Set Of 4), MC104	112.53	9.26
32 33 43 13-0259		Camden Series Benches *(32 33 43 13-0218)*		
32 33 43 13-0260	EA	6' Bench, With Back, Square Perforation, Portable/Surface Mount, CA1112C	1,526.45	69.72
32 33 43 13-0261	EA	6' Bench, With Back, Square Perforation, Inground, CA1111I	1,563.64	93.13
32 33 43 13-0262	EA	6' Bench, With Back, With Arms, Faux-Wood, Portable/Surface Mount, CA1112C	1,698.84	69.72
32 33 43 13-0263	EA	6' Bench, With Back, With Arms, Faux-Wood, Inground, CA1112I	1,740.23	93.13
32 33 43 13-0264	EA	6' Bench, With Back, With Arms, Rod, Portable/Surface Mount, CA1114C	1,904.87	69.72
32 33 43 13-0265	EA	6' Bench, With Back, With Arms, Rod, Inground, CA1114I	1,946.26	93.13
32 33 43 13-0266	EA	6' Bench, With Back, With Arms, Round Perforation, Portable/Surface Mount, CA1116C	1,503.32	69.72
32 33 43 13-0267	EA	6' Bench, With Back, With Arms, Round Perforation, Inground, CA1116I	1,542.61	93.13
32 33 43 13-0268	EA	6' Bench, With Back, With Arms, Horizontal Slat, Portable/Surface Mount, CA1119C	1,713.56	69.72
32 33 43 13-0269	EA	6' Bench, With Back, With Arms, Horizontal Slat, Inground, CA1116I	1,752.85	93.13
32 33 43 13-0270		Miscellaneous *(32 33 43 13-0218)*		
32 33 43 13-0271	EA	4' Bench With Back, Surface Mounted, Ribbed Or Perforated, Estate (Wabash ES500)	1,788.14	93.13
32 33 43 13-0272	EA	4' Bench Without Back, Surface Mounted, Ribbed Or Perforated, Estate (Wabash ES505)	1,488.27	69.72
32 33 43 13-0273	EA	6' Bench With Back, Surface Mounted, Ribbed Or Perforated, Estate (Wabash ES520)	2,091.33	93.13
32 33 43 13-0274	EA	6' Bench Without Back, Surface Mounted, Ribbed Or Perforated, Estate (Wabash ES525)	1,789.24	69.72
32 33 43 13-0275	EA	8' Bench With Back, Surface Mounted, Ribbed Or Perforated, Estate (Wabash ES527)	2,930.05	93.13
32 33 43 13-0276	EA	8' Bench Without Back, Surface Mounted, Ribbed Or Perforated, Estate (Wabash ES528)	2,473.06	69.72
32 33 43 13-0277		Benches, Concrete (Quick Crete) *(32 33 43 13)*		
32 33 43 13-0278	EA	84" Long, Concrete Park Bench With Back (Quick Crete Q1PS84B)	2,505.04	124.51
32 33 43 13-0279		Other Benches *(32 33 43 13)*		
32 33 43 13-0280	EA	6' Timberform #2118-6 Restoration Bench With Cast Iron Glossy Black Frames, Armrests, Purple Heart Wood Slats, S.J.S.U. Logo, Surface Mount	4,036.63	92.14
32 33 43 53		**Site Tables** *(32 33 43)*		
32 33 43 53-0001		Tables *(32 33 43 53)*		
32 33 43 53-0002		Tables (Wabash) *(32 33 43 53-0001)*		
32 33 43 53-0003	EA	Spyder ADA Round Table (Wabash SY203P)	2,645.97	89.64
32 33 43 53-0004	EA	Shelter With 6' Table (Wabash SH105P)	8,015.94	89.64
32 33 43 53-0005	EA	46" Round Table With Attached Chairs, Bench Seats, Solid Top With Square Perforation Seats, Portable/Surface Mount (Wabash CA2Q50C)	2,433.69	89.64
32 33 43 53-0006	EA	46" Round Table With Attached Chairs, Bench Seats, Solid Top With Square Perforation Seats, Inground (Wabash CA2Q50I)	2,609.96	99.60
32 33 43 53-0007		Tables (Landscapeforms) *(32 33 43 53-0001)*		
32 33 43 53-0008	EA	Plexus Companion Table For Backed Seat, Straight Runs	820.46	93.13
32 33 43 53-0009	EA	Companion Table For Narrow-Backed Seat, For 60 Degree Radius (Landscapeforms Plexus)	1,023.32	93.13
32 33 43 53-0010	EA	Companion Table For Narrow-Backed Seat, For 120 Degree Radius (Landscapeforms Plexus)	1,023.32	93.13
32 33 43 53-0011	EA	Companion Table For Wide-Backed Seat, For 120 Degree Radius (Landscapeforms Plexus)	1,023.32	93.13
32 33 43 53-0012	EA	6-Person Picnic Table (Landscapeforms Manistee)	3,067.62	93.13
32 33 43 53-0013	EA	4-Person Picnic Table (Landscapeforms Manistee)	2,726.82	93.13
32 33 43 53-0014	EA	2-Person Picnic Table (Landscapeforms Manistee)	2,414.41	93.13
32 33 43 53-0015	EA	Umbrella Stand For Picnic Table (Landscapeforms)	253.57	
32 33 43 53-0016	EA	32" x 72" Picnic Table (Landscapeforms Petoskey)	2,423.35	89.64
32 33 43 53-0017	EA	62" Backless Metal Rod Bench (Landscapeforms Petoskey)	1,281.41	69.72
32 33 43 53-0018	EA	29" Backless Metal Rod Bench (Landscapeforms Petoskey)	1,071.95	69.72
32 33 43 53-0019	EA	58" x 54" x 30" Wood Or PolySite Picnic Table With Benches (Landscapeforms Gretchen)	2,835.91	89.64
32 33 43 53-0020	EA	3 Seat Table, Backless, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	2,726.82	93.13
32 33 43 53-0021	EA	4 Seat Table, Backless, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	2,726.82	93.13
32 33 43 53-0022	EA	5 Seat Table, Backless, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	3,536.22	93.13
32 33 43 53-0023	EA	6 Seat Table, Backless, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	3,536.22	93.13
32 33 43 53-0024	EA	3 Seat Table, Backless, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	2,911.42	93.13
32 33 43 53-0025	EA	4 Seat Table, Backless, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	2,911.42	93.13
32 33 43 53-0026	EA	5 Seat Table, Backless, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,720.82	93.13
32 33 43 53-0027	EA	6 Seat Table, Backless, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,720.82	93.13
32 33 43 53-0028	EA	3 Seat Table, Backless, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	2,840.42	93.13
32 33 43 53-0029	EA	4 Seat Table, Backless, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	2,840.42	93.13
32 33 43 53-0030	EA	5 Seat Table, Backless, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	3,706.62	93.13
32 33 43 53-0031	EA	6 Seat Table, Backless, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	3,706.62	93.13
32 33 43 53-0032	EA	3 Seat Table, Backless, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,025.02	93.13
32 33 43 53-0033	EA	4 Seat Table, Backless, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,025.02	93.13
32 33 43 53-0034	EA	5 Seat Table, Backless, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,891.22	93.13
32 33 43 53-0035	EA	6 Seat Table, Backless, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,891.22	93.13
32 33 43 53-0036	EA	3 Seat Table, Backed, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	2,897.22	93.13
32 33 43 53-0037	EA	4 Seat Table, Backed, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	2,897.22	93.13
32 33 43 53-0038	EA	5 Seat Table, Backed, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	3,720.82	93.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 53-0039	EA	6 Seat Table, Backed, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	3,720.82	93.13
32 33 43 53-0040	EA	3 Seat Table, Backed, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,081.82	93.13
32 33 43 53-0041	EA	4 Seat Table, Backed, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,081.82	93.13
32 33 43 53-0042	EA	5 Seat Table, Backed, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,905.42	93.13
32 33 43 53-0043	EA	6 Seat Table, Backed, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,905.42	93.13
32 33 43 53-0044	EA	3 Seat Table, Backed, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	3,039.22	93.13
32 33 43 53-0045	EA	4 Seat Table, Backed, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	3,039.22	93.13
32 33 43 53-0046	EA	5 Seat Table, Backed, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	3,933.82	93.13
32 33 43 53-0047	EA	6 Seat Table, Backed, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	3,933.82	93.13
32 33 43 53-0048	EA	3 Seat Table, Backed, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,223.82	93.13
32 33 43 53-0049	EA	4 Seat Table, Backed, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,223.82	93.13
32 33 43 53-0050	EA	5 Seat Table, Backed, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	4,118.42	93.13
32 33 43 53-0051	EA	6 Seat Table, Backed, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	4,118.42	93.13
32 33 43 53-0052	EA	3 Seat Table, Backless, Grid Seats And Catena Top (Landscapeforms Carousel)	2,532.07	93.13
32 33 43 53-0053	EA	4 Seat Table, Backless, Grid Seats And Catena Top (Landscapeforms Carousel)	2,532.07	93.13
32 33 43 53-0054	EA	5 Seat Table, Backless, Grid Seats And Catena Top (Landscapeforms Carousel)	3,330.82	93.13
32 33 43 53-0055	EA	6 Seat Table, Backless, Grid Seats And Catena Top (Landscapeforms Carousel)	3,330.82	93.13
32 33 43 53-0056	EA	3 Seat Table, Backless, Grid Seats And Steelhead Top (Landscapeforms Carousel)	2,633.50	93.13
32 33 43 53-0057	EA	4 Seat Table, Backless, Grid Seats And Steelhead Top (Landscapeforms Carousel)	2,633.50	93.13
32 33 43 53-0058	EA	5 Seat Table, Backless, Grid Seats And Steelhead Top (Landscapeforms Carousel)	3,419.57	93.13
32 33 43 53-0059	EA	6 Seat Table, Backless, Grid Seats And Steelhead Top (Landscapeforms Carousel)	3,419.57	93.13
32 33 43 53-0060	EA	3 Seat Table, Backless, Perforated Seats And Catena Top (Landscapeforms Carousel)	2,646.18	93.13
32 33 43 53-0061	EA	4 Seat Table, Backless, Perforated Seats And Catena Top (Landscapeforms Carousel)	2,646.18	93.13
32 33 43 53-0062	EA	5 Seat Table, Backless, Perforated Seats And Catena Top (Landscapeforms Carousel)	3,482.97	93.13
32 33 43 53-0063	EA	6 Seat Table, Backless, Perforated Seats And Catena Top (Landscapeforms Carousel)	3,482.97	93.13
32 33 43 53-0064	EA	3 Seat Table, Backless, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	2,734.93	93.13
32 33 43 53-0065	EA	4 Seat Table, Backless, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	2,734.93	93.13
32 33 43 53-0066	EA	5 Seat Table, Backless, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	3,571.72	93.13
32 33 43 53-0067	EA	6 Seat Table, Backless, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	3,571.72	93.13
32 33 43 53-0068	EA	3 Seat Table, Backed, Grid Seats And Catena Top (Landscapeforms Carousel)	2,696.89	93.13
32 33 43 53-0069	EA	4 Seat Table, Backed, Grid Seats And Catena Top (Landscapeforms Carousel)	2,696.89	93.13
32 33 43 53-0070	EA	5 Seat Table, Backed, Grid Seats And Catena Top (Landscapeforms Carousel)	3,508.32	93.13
32 33 43 53-0071	EA	6 Seat Table, Backed, Grid Seats And Catena Top (Landscapeforms Carousel)	3,508.32	93.13
32 33 43 53-0072	EA	3 Seat Table, Backed, Grid Seats And Steelhead Top (Landscapeforms Carousel)	2,791.98	93.13
32 33 43 53-0073	EA	4 Seat Table, Backed, Grid Seats And Steelhead Top (Landscapeforms Carousel)	2,791.98	93.13
32 33 43 53-0074	EA	5 Seat Table, Backed, Grid Seats And Steelhead Top (Landscapeforms Carousel)	3,597.07	93.13
32 33 43 53-0075	EA	6 Seat Table, Backed, Grid Seats And Steelhead Top (Landscapeforms Carousel)	3,597.07	93.13
32 33 43 53-0076	EA	3 Seat Table, Backed, Perforated Seats And Catena Top (Landscapeforms Carousel)	2,855.38	93.13
32 33 43 53-0077	EA	4 Seat Table, Backed, Perforated Seats And Catena Top (Landscapeforms Carousel)	2,855.38	93.13
32 33 43 53-0078	EA	5 Seat Table, Backed, Perforated Seats And Catena Top (Landscapeforms Carousel)	3,755.56	93.13
32 33 43 53-0079	EA	6 Seat Table, Backed, Perforated Seats And Catena Top (Landscapeforms Carousel)	3,755.56	93.13
32 33 43 53-0080	EA	3 Seat Table, Backed, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	2,944.13	93.13
32 33 43 53-0081	EA	4 Seat Table, Backed, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	2,944.13	93.13
32 33 43 53-0082	EA	5 Seat Table, Backed, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	3,844.31	93.13
32 33 43 53-0083	EA	6 Seat Table, Backed, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	3,844.31	93.13
32 33 43 53-0084		Tables (Columbia Cascade Co. - TimberForm) *(32 33 43 53-0001)*		
32 33 43 53-0085	EA	Table With Four Chairs (Columbia Cascade Co. 2052-E)	4,896.23	116.34
32 33 43 53-0086	EA	Table With Four Chairs (Columbia Cascade Co. 2052-P)	5,975.58	116.34
32 33 43 53-0087	EA	Accessible Table With Three Chairs (Columbia Cascade Co. 2053-E)	4,131.69	116.34
32 33 43 53-0088	EA	Accessible Table With Three Chairs (Columbia Cascade Co. 2053-P)	5,151.08	116.34
32 33 43 53-0089	EA	Table With Four Seats (Columbia Cascade Co. 2054-E)	2,752.52	116.34
32 33 43 53-0090	EA	Table With Four Seats (Columbia Cascade Co. 2054-P)	2,992.37	116.34
32 33 43 53-0091	EA	Accessible Table With Three Seats (Columbia Cascade Co. 2055-E)	2,347.76	116.34
32 33 43 53-0092	EA	Accessible Table With Three Seats (Columbia Cascade Co. 2055-P)	2,557.63	116.34
32 33 43 53-0093	EA	Integral Table With Four Seats (Columbia Cascade Co. 2056-E)	3,067.33	116.34
32 33 43 53-0094	EA	Integral Table With Four Seats (Columbia Cascade Co. 2056-P)	3,277.20	116.34
32 33 43 53-0095	EA	Integral Table With Four Seats (Columbia Cascade Co. 2056-R)	4,956.19	116.34
32 33 43 53-0096	EA	Accessible Integral Table With Four Seats (Columbia Cascade Co. 2057-E)	2,722.54	116.34
32 33 43 53-0097	EA	Accessible Integral Table With Four Seats (Columbia Cascade Co. 2057-P)	2,932.41	116.34
32 33 43 53-0098	EA	Accessible Integral Table With Four Seats (Columbia Cascade Co. 2057-R)	4,611.40	116.34
32 33 43 53-0099	EA	Standard Picnic Table And Seats (Columbia Cascade Co. 2062)	3,382.14	116.34
32 33 43 53-0100	EA	Standard Picnic Table And Seats (Columbia Cascade Co. 2062-P)	3,622.00	116.34
32 33 43 53-0101	EA	Accessible Picnic Table And Seats (Columbia Cascade Co. 2063-E)	3,951.80	116.34
32 33 43 53-0102	EA	Accessible Picnic Table And Seats (Columbia Cascade Co. 2063-P)	4,191.65	116.34
32 33 43 53-0103	EA	Accessible Picnic Table And Benches (Columbia Cascade Co. 2072-E)	4,956.19	116.34
32 33 43 53-0104	EA	Accessible Picnic Table And Benches (Columbia Cascade Co. 2072-P)	5,196.05	116.34
32 33 43 53-0105	EA	Standard Picnic Table And Benches (Columbia Cascade Co. 2073-E)	4,956.19	116.34
32 33 43 53-0106	EA	Standard Picnic Table And Benches (Columbia Cascade Co. 2073-P)	5,196.05	116.34
32 33 43 53-0107	EA	Standard Picnic Table And Seats (Columbia Cascade Co. 2074-6)	1,163.96	46.52
32 33 43 53-0108	EA	Accessible Picnic Table And Seats (Columbia Cascade Co. 2075-6)	1,553.73	46.52
32 33 43 53-0109	EA	Gameboard (Columbia Cascade Co. 2095)	334.64	23.30
32 33 43 53-0110	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2162-6-E)	3,382.14	116.34
32 33 43 53-0111	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2162-8-E)	3,861.85	116.34
32 33 43 53-0112	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2162-6-P)	3,622.00	116.34
32 33 43 53-0113	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2162-8-P)	4,101.71	116.34
32 33 43 53-0114	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2163-6-E)	3,756.91	116.34
32 33 43 53-0115	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2163-8-E)	4,236.63	116.34
32 33 43 53-0116	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2163-6-P)	3,996.77	116.34
32 33 43 53-0117	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2163-8-P)	4,476.48	116.34

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 53-0118	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2164-6)	3,172.76	46.52
32 33 43 53-0119	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2164-8)	3,562.52	46.52
32 33 43 53-0120	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2165-6)	3,547.53	46.52
32 33 43 53-0121	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2165-8)	3,937.30	46.52
32 33 43 53-0122	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2638-6-E)	7,984.38	116.34
32 33 43 53-0123	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2638-6-P)	8,823.87	116.34
32 33 43 53-0124	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2639-6-E)	7,984.38	116.34
32 33 43 53-0125	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2639-6-P)	8,823.87	116.34
32 33 43 53-0126	EA	Round Table With Center Support (Columbia Cascade Co. 2902-0030-E)	1,972.98	116.34
32 33 43 53-0127	EA	Round Table With Center Support (Columbia Cascade Co. 2902-0036-E)	2,167.87	116.34
32 33 43 53-0128	EA	Round Table With Center Support (Columbia Cascade Co. 2902-0042-E)	2,362.75	116.34
32 33 43 53-0129	EA	Round Table With Center Support (Columbia Cascade Co. 2902-0030-P)	2,107.90	116.34
32 33 43 53-0130	EA	Round Table With Center Support (Columbia Cascade Co. 2902-0036-P)	2,302.79	116.34
32 33 43 53-0131	EA	Round Table With Center Support (Columbia Cascade Co. 2902-0042-P)	2,497.67	116.34
32 33 43 53-0132	EA	Square Table With Center Support (Columbia Cascade Co. 2902-3030-E)	1,928.01	116.34
32 33 43 53-0133	EA	Square Table With Center Support (Columbia Cascade Co. 2902-3636-E)	2,062.93	116.34
32 33 43 53-0134	EA	Square Table With Center Support (Columbia Cascade Co. 2902-4242-E)	2,197.85	116.34
32 33 43 53-0135	EA	Square Table With Center Support (Columbia Cascade Co. 2902-3030-P)	2,062.93	116.34
32 33 43 53-0136	EA	Square Table With Center Support (Columbia Cascade Co. 2902-3636-P)	2,197.85	116.34
32 33 43 53-0137	EA	Square Table With Center Support (Columbia Cascade Co. 2902-4242-P)	2,332.77	116.34
32 33 43 53-0138	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0030-E)	1,868.05	116.34
32 33 43 53-0139	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0036-E)	2,062.93	116.34
32 33 43 53-0140	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0042-E)	2,257.81	116.34
32 33 43 53-0141	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0030-P)	1,868.05	116.34
32 33 43 53-0142	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0036-P)	2,062.93	116.34
32 33 43 53-0143	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0042-P)	2,257.81	116.34
32 33 43 53-0144	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0030-L)	1,868.05	116.34
32 33 43 53-0145	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0036-L)	2,062.93	116.34
32 33 43 53-0146	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0042-L)	2,257.81	116.34
32 33 43 53-0147	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-3030-E)	1,778.10	116.34
32 33 43 53-0148	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-3636-E)	1,913.02	116.34
32 33 43 53-0149	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-4242-E)	2,047.94	116.34
32 33 43 53-0150	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-3030-P)	1,778.10	116.34
32 33 43 53-0151	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-3636-P)	1,913.02	116.34
32 33 43 53-0152	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-4242-P)	2,047.94	116.34
32 33 43 53-0153	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-3030-L)	1,778.10	116.34
32 33 43 53-0154	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-3636-L)	1,913.02	116.34
32 33 43 53-0155	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-4242-L)	2,047.94	116.34
32 33 43 53-0156	EA	Round Table With Center Support (Columbia Cascade Co. 2912-0030-E)	1,703.15	116.34
32 33 43 53-0157	EA	Round Table With Center Support (Columbia Cascade Co. 2912-0036-E)	1,898.03	116.34
32 33 43 53-0158	EA	Round Table With Center Support (Columbia Cascade Co. 2912-0042-E)	2,092.91	116.34
32 33 43 53-0159	EA	Round Table With Center Support (Columbia Cascade Co. 2912-0030-P)	1,838.07	116.34
32 33 43 53-0160	EA	Round Table With Center Support (Columbia Cascade Co. 2912-0036-P)	2,032.95	116.34
32 33 43 53-0161	EA	Round Table With Center Support (Columbia Cascade Co. 2912-0042-P)	2,227.83	116.34
32 33 43 53-0162	EA	Square Table With Center Support (Columbia Cascade Co. 2912-3030-E)	1,583.22	116.34
32 33 43 53-0163	EA	Square Table With Center Support (Columbia Cascade Co. 2912-3636-E)	1,703.15	116.34
32 33 43 53-0164	EA	Square Table With Center Support (Columbia Cascade Co. 2912-4242-E)	1,838.07	116.34
32 33 43 53-0165	EA	Square Table With Center Support (Columbia Cascade Co. 2912-3030-P)	1,703.15	116.34
32 33 43 53-0166	EA	Square Table With Center Support (Columbia Cascade Co. 2912-3636-P)	1,838.07	116.34
32 33 43 53-0167	EA	Square Table With Center Support (Columbia Cascade Co. 2912-4242-P)	1,972.98	116.34
32 33 43 53-0168	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0030-E)	1,793.09	116.34
32 33 43 53-0169	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0036-E)	1,987.98	116.34
32 33 43 53-0170	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0042-E)	2,182.86	116.34
32 33 43 53-0171	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0030-P)	1,793.09	116.34
32 33 43 53-0172	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0036-P)	1,987.98	116.34
32 33 43 53-0173	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0042-P)	2,182.86	116.34
32 33 43 53-0174	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0030-L)	1,793.09	116.34
32 33 43 53-0175	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0036-L)	1,987.98	116.34
32 33 43 53-0176	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0042-L)	2,182.86	116.34
32 33 43 53-0177	EA	Square Table With Four Legs (Columbia Cascade Co. 2915-3030-E)	1,688.16	116.34
32 33 43 53-0178	EA	Square Table With Four Legs (Columbia Cascade Co. 2915-3636-E)	1,823.08	116.34
32 33 43 53-0179	EA	Square Table With Four Legs (Columbia Cascade Co. 2915-4242-E)	1,957.99	116.34
32 33 43 53-0180	EA	Square Table With Four Legs (Columbia Cascade Co. 2915-3030-P)	1,688.16	116.34
32 33 43 53-0181	EA	Square Table With Four Legs (Columbia Cascade Co. 2915-3636-P)	1,823.08	116.34
32 33 43 53-0182	EA	Square Table With Four Legs (Columbia Cascade Co. 2915-4242-P)	1,957.99	116.34
32 33 43 53-0183	EA	Square Table With Four Legs (Columbia Cascade Co. 2915-3030-L)	1,688.16	116.34
32 33 43 53-0184	EA	Square Table With Four Legs (Columbia Cascade Co. 2915-3636-L)	1,823.08	116.34
32 33 43 53-0185	EA	Square Table With Four Legs (Columbia Cascade Co. 2915-4242-L)	1,957.99	116.34
32 33 43 53-0186	EA	Round Table With Center Support (Columbia Cascade Co. 2922-0030-E)	1,583.22	116.34
32 33 43 53-0187	EA	Round Table With Center Support (Columbia Cascade Co. 2922-0036-E)	1,643.18	116.34
32 33 43 53-0188	EA	Round Table With Center Support (Columbia Cascade Co. 2922-0042-E)	1,703.15	116.34
32 33 43 53-0189	EA	Round Table With Center Support (Columbia Cascade Co. 2922-0030-P)	1,718.14	116.34
32 33 43 53-0190	EA	Round Table With Center Support (Columbia Cascade Co. 2922-0036-P)	1,778.10	116.34
32 33 43 53-0191	EA	Round Table With Center Support (Columbia Cascade Co. 2922-0042-P)	1,838.07	116.34
32 33 43 53-0192	EA	Square Table With Center Support (Columbia Cascade Co. 2922-3030-E)	1,568.23	116.34
32 33 43 53-0193	EA	Square Table With Center Support (Columbia Cascade Co. 2922-3636-E)	1,613.20	116.34
32 33 43 53-0194	EA	Square Table With Center Support (Columbia Cascade Co. 2922-4242-E)	1,658.17	116.34
32 33 43 53-0195	EA	Square Table With Center Support (Columbia Cascade Co. 2922-3030-P)	1,703.15	116.34
32 33 43 53-0196	EA	Square Table With Center Support (Columbia Cascade Co. 2922-3636-P)	1,748.12	116.34
32 33 43 53-0197	EA	Square Table With Center Support (Columbia Cascade Co. 2922-4242-P)	1,793.09	116.34
32 33 43 53-0198	EA	Round Table With Four Legs (Columbia Cascade Co. 2925-0030-E)	1,613.20	116.34

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 53-0199	EA	Round Table With Four Legs (Columbia Cascade Co. 2925-0036-E)	1,673.16	116.34
32 33 43 53-0200	EA	Round Table With Four Legs (Columbia Cascade Co. 2925-0042-E)	1,733.13	116.34
32 33 43 53-0201	EA	Round Table With Four Legs (Columbia Cascade Co. 2925-0030-P)	1,613.20	116.34
32 33 43 53-0202	EA	Round Table With Four Legs (Columbia Cascade Co. 2925-0036-P)	1,673.16	116.34
32 33 43 53-0203	EA	Round Table With Four Legs (Columbia Cascade Co. 2925-0042-P)	1,733.13	116.34
32 33 43 53-0204	EA	Round Table With Four Legs (Columbia Cascade Co. 2925-0030-L)	1,613.20	116.34
32 33 43 53-0205	EA	Round Table With Four Legs (Columbia Cascade Co. 2925-0036-L)	1,673.16	116.34
32 33 43 53-0206	EA	Round Table With Four Legs (Columbia Cascade Co. 2925-0042-L)	1,733.13	116.34
32 33 43 53-0207	EA	Square Table With Four Legs (Columbia Cascade Co. 2925-3030-E)	1,613.20	116.34
32 33 43 53-0208	EA	Square Table With Four Legs (Columbia Cascade Co. 2925-3636-E)	1,658.17	116.34
32 33 43 53-0209	EA	Square Table With Four Legs (Columbia Cascade Co. 2925-4242-E)	1,703.15	116.34
32 33 43 53-0210	EA	Square Table With Four Legs (Columbia Cascade Co. 2925-3030-P)	1,613.20	116.34
32 33 43 53-0211	EA	Square Table With Four Legs (Columbia Cascade Co. 2925-3636-P)	1,658.17	116.34
32 33 43 53-0212	EA	Square Table With Four Legs (Columbia Cascade Co. 2925-4242-P)	1,703.15	116.34
32 33 43 53-0213	EA	Square Table With Four Legs (Columbia Cascade Co. 2925-3030-L)	1,613.20	116.34
32 33 43 53-0214	EA	Square Table With Four Legs (Columbia Cascade Co. 2925-3636-L)	1,658.17	116.34
32 33 43 53-0215	EA	Square Table With Four Legs (Columbia Cascade Co. 2925-4242-L)	1,703.15	116.34
32 33 43 53-0216	EA	Round Table With Center Support (Columbia Cascade Co. 2932-0030-E)	1,643.18	116.34
32 33 43 53-0217	EA	Round Table With Center Support (Columbia Cascade Co. 2932-0036-E)	1,703.15	116.34
32 33 43 53-0218	EA	Round Table With Center Support (Columbia Cascade Co. 2932-0042-E)	1,763.11	116.34
32 33 43 53-0219	EA	Round Table With Center Support (Columbia Cascade Co. 2932-0030-P)	1,778.10	116.34
32 33 43 53-0220	EA	Round Table With Center Support (Columbia Cascade Co. 2932-0036-P)	1,838.07	116.34
32 33 43 53-0221	EA	Round Table With Center Support (Columbia Cascade Co. 2932-0042-P)	1,898.03	116.34
32 33 43 53-0222	EA	Square Table With Center Support (Columbia Cascade Co. 2932-3030-E)	1,748.12	116.34
32 33 43 53-0223	EA	Square Table With Center Support (Columbia Cascade Co. 2932-3636-E)	1,793.09	116.34
32 33 43 53-0224	EA	Square Table With Center Support (Columbia Cascade Co. 2932-4242-E)	1,838.07	116.34
32 33 43 53-0225	EA	Square Table With Center Support (Columbia Cascade Co. 2932-3030-P)	1,883.04	116.34
32 33 43 53-0226	EA	Square Table With Center Support (Columbia Cascade Co. 2932-3636-P)	1,928.01	116.34
32 33 43 53-0227	EA	Square Table With Center Support (Columbia Cascade Co. 2932-4242-P)	1,972.98	116.34
32 33 43 53-0228	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0030-E)	1,718.14	116.34
32 33 43 53-0229	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0036-E)	1,778.10	116.34
32 33 43 53-0230	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0042-E)	1,838.07	116.34
32 33 43 53-0231	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0030-P)	1,718.14	116.34
32 33 43 53-0232	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0036-P)	1,778.10	116.34
32 33 43 53-0233	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0042-P)	1,838.07	116.34
32 33 43 53-0234	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0030-L)	1,718.14	116.34
32 33 43 53-0235	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0036-L)	1,778.10	116.34
32 33 43 53-0236	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0042-L)	1,838.07	116.34
32 33 43 53-0237	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-3030-E)	1,823.08	116.34
32 33 43 53-0238	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-3636-E)	1,868.05	116.34
32 33 43 53-0239	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-4242-E)	1,913.02	116.34
32 33 43 53-0240	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-3030-P)	1,823.08	116.34
32 33 43 53-0241	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-3636-P)	1,868.05	116.34
32 33 43 53-0242	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-4242-P)	1,913.02	116.34
32 33 43 53-0243	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-3030-L)	1,823.08	116.34
32 33 43 53-0244	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-3636-L)	1,868.05	116.34
32 33 43 53-0245	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-4242-L)	1,913.02	116.34
32 33 43 53-0246	EA	Square Table With Center Support (Columbia Cascade Co. 2942-3030-E)	1,388.34	116.34
32 33 43 53-0247	EA	Square Table With Center Support (Columbia Cascade Co. 2942-3636-E)	1,433.31	116.34
32 33 43 53-0248	EA	Square Table With Center Support (Columbia Cascade Co. 2942-4242-E)	1,478.28	116.34
32 33 43 53-0249	EA	Square Table With Center Support (Columbia Cascade Co. 2942-3030-P)	1,523.26	116.34
32 33 43 53-0250	EA	Square Table With Center Support (Columbia Cascade Co. 2942-3636-P)	1,568.23	116.34
32 33 43 53-0251	EA	Square Table With Center Support (Columbia Cascade Co. 2942-4242-P)	1,613.20	116.34
32 33 43 53-0252	EA	Round Table With Center Support (Columbia Cascade Co. 2962-0030-E)	1,643.18	116.34
32 33 43 53-0253	EA	Round Table With Center Support (Columbia Cascade Co. 2962-0036-E)	1,703.15	116.34
32 33 43 53-0254	EA	Round Table With Center Support (Columbia Cascade Co. 2962-0042-E)	1,763.11	116.34
32 33 43 53-0255	EA	Round Table With Center Support (Columbia Cascade Co. 2962-0030-P)	1,478.28	116.34
32 33 43 53-0256	EA	Round Table With Center Support (Columbia Cascade Co. 2962-0036-P)	1,538.25	116.34
32 33 43 53-0257	EA	Round Table With Center Support (Columbia Cascade Co. 2962-0042-P)	1,598.21	116.34
32 33 43 53-0258	EA	Square Table With Center Support (Columbia Cascade Co. 2962-3030-E)	1,358.35	116.34
32 33 43 53-0259	EA	Square Table With Center Support (Columbia Cascade Co. 2962-3636-E)	1,403.33	116.34
32 33 43 53-0260	EA	Square Table With Center Support (Columbia Cascade Co. 2962-4242-E)	1,448.30	116.34
32 33 43 53-0261	EA	Square Table With Center Support (Columbia Cascade Co. 2962-3030-P)	1,493.27	116.34
32 33 43 53-0262	EA	Square Table With Center Support (Columbia Cascade Co. 2962-3636-P)	1,538.25	116.34
32 33 43 53-0263	EA	Square Table With Center Support (Columbia Cascade Co. 2962-4242-P)	1,583.22	116.34
32 33 43 53-0264		**Picnic Tables** *(32 33 43 53)*		
32 33 43 53-0265		**Wooden Picnic Tables** *(32 33 43 53-0264)*		
32 33 43 53-0266	EA	6' Permanent Rectangular Redwood Table	920.00	74.71
32 33 43 53-0267		**Portable Picnic Tables** *(32 33 43 53-0264)*		
32 33 43 53-0268	EA	6' Wood Table With Aluminum Frame	1,467.63	49.81
32 33 43 53-0269	EA	6' Aluminum Table And Frame	2,128.75	49.81
32 33 43 53-0270	EA	8' Aluminum Table And Frame	2,540.17	62.26
32 33 43 53-0271	EA	6' Steel Table And Frame	1,323.98	49.81
32 33 43 53-0272	EA	8' Steel Table And Frame	1,516.28	62.26

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 53-0273		**Concrete Picnic Tables** *(32 33 43 53-0264)*		
32 33 43 53-0274	EA	72" Long x 72" Wide, Precast Concrete, One Piece, Rectangular Picnic Table With Two Integral Benches (Quikcrete QLBT72PT)	2,623.47	
32 33 43 53-0275	EA	96" Long x 72" Wide, Precast Concrete, One Piece, Rectangular Picnic Table With Two Integral Benches Note: Standard sealer	3,027.69	
32 33 43 53-0276	EA	102" Long x 72" Wide, Precast Concrete, One Piece, Rectangular Picnic Table With Two Integral Benches And Handicap Access On Two Ends Note: Standard sealer	3,037.37	
32 33 43 53-0277	EA	42" Diameter, Precast Concrete, Round Food Court Table Set With Four Benches Note: Includes table top, four benches and mounting hardware.	3,212.40	
32 33 43 53-0278		**Plastic Picnic Tables** *(32 33 43 53-0264)* Note: Manufactured from recycled plastic.		
32 33 43 53-0279		**Pedestal Tables - 4' Square, 2 Seats** *(32 33 43 53-0278)*		
32 33 43 53-0280	EA	3" x 4" Slats, Pedestal Table, 4' Square, 2 Seats	1,463.97	74.71
32 33 43 53-0281	EA	4" x 4" Slats, Pedestal Table, 4' Square, 2 Seats	1,603.60	74.71
32 33 43 53-0282		**Pedestal Tables - 4' Square, 4 Seats** *(32 33 43 53-0278)*		
32 33 43 53-0283	EA	3" x 4" Slats, Pedestal Table, 4' Square, 4 Seats	1,916.78	74.71
32 33 43 53-0284	EA	4" x 4" Slats, Pedestal Table, 4' Square, 4 Seats	2,104.29	74.71
32 33 43 53-0285		**Recycled Plastic Tables** *(32 33 43 53-0278)*		
32 33 43 53-0286	EA	6' Standard "Step-Over" Table, Recycled Plastic Lumber	2,508.55	74.71
32 33 43 53-0287	EA	6' " Walk-Through" Table, Recycled Plastic Lumber	2,090.38	74.71
32 33 43 53-0288	EA	7' Reinforced "Step-Over" Table, Recycled Plastic Lumber, ADA Ends	2,282.55	74.71
32 33 43 53-0289	EA	8' " Walk-Through" Table, Recycled Plastic Lumber, ADA Ends	2,134.96	74.71
32 33 43 53-0290	EA	8' Reinforced "Step-Over" Table, Recycled Plastic Lumber, ADA Ends	2,684.97	74.71
32 33 43 53-0291	EA	4' Youth Table, Recycled Plastic Lumber	1,070.80	59.77
32 33 53		**Site Grills** *(32 33)*		
32 33 53 00-0001		**Picnic Grills** *(32 33 53)*		
32 33 53 00-0002	EA	20" Wide x 14" Deep x 8-1/2" High Adjustable Grill Note: 11 gauge with galvanized steel post.	443.56	
32 33 53 00-0003	EA	20" Wide x 14" Deep x 8-1/2" High Adjustable Grill Note: 7 gauge with galvanized steel post.	474.56	
32 33 63		**Skate Board Deterrent** *(32 33)*		
32 33 63 00-0001		**Skate Stoppers** *(32 33 63)*		
32 33 63 00-0002	EA	Aluminum Architectural Series Pieces, Skate Stopper Note: Various shapes. Includes drilling and anchoring into suitable surface material.	66.98	
		For >59 To 99, Deduct	*-7.14*	
		For >99 To 249, Deduct	*-9.02*	
		For >249, Deduct	*-10.91*	
32 33 63 00-0003	EA	Aluminum Fixed Angle Series Pieces, Skate Stopper Note: Various shapes. Includes drilling and anchoring into suitable surface material.	70.89	
		For >59 To 99, Deduct	*-7.68*	
		For >99 To 249, Deduct	*-9.69*	
		For >249, Deduct	*-11.69*	
32 33 63 00-0004	EA	Aluminum Fixed Radius Series Pieces, Skate Stopper Note: Various shapes. Includes drilling and anchoring into suitable surface material.	50.32	
		For >59 To 99, Deduct	*-4.80*	
		For >99 To 249, Deduct	*-6.19*	
		For >249, Deduct	*-7.57*	
32 33 63 00-0005	EA	Aluminum Bench Clips, Skate Stopper Note: Various shapes. Includes drilling and anchoring into suitable surface material.	40.50	
		For >59 To 99, Deduct	*-3.43*	
		For >99 To 249, Deduct	*-4.52*	
		For >249, Deduct	*-5.61*	
32 33 63 00-0006	EA	Aluminum Curve Clips, Skate Stopper Note: Various shapes. Includes drilling and anchoring into suitable surface material.	44.17	
		For >59 To 99, Deduct	*-3.94*	
		For >99 To 249, Deduct	*-5.14*	
		For >249, Deduct	*-6.34*	
32 33 63 00-0007	EA	Aluminum Hand Rail, Skate Stopper Note: Various shapes. Includes drilling and anchoring into suitable surface material.	42.31	
		For >59 To 99, Deduct	*-3.68*	
		For >99 To 249, Deduct	*-4.83*	
		For >249, Deduct	*-5.97*	
32 33 63 00-0008	EA	Aluminum 2" x 3" x 0.25" Flat Cap, Skate Stopper Note: Includes drilling and anchoring into suitable surface material.	39.89	
		For >59 To 99, Deduct	*-3.34*	
		For >99 To 249, Deduct	*-4.42*	
		For >249, Deduct	*-5.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 63 00-0009	EA	Aluminum 6" Diameter x 0.25" Rumble Disc, Skate Stopper Note: Includes drilling and anchoring into suitable surface material.	54.89	
		For >59 To 99, Deduct	*-5.44*	
		For >99 To 249, Deduct	*-6.97*	
		For >249, Deduct	*-8.49*	
32 33 63 00-0010	EA	Aluminum 4" x 17" x 0.25" Flat Strap, Skate Stopper Note: Includes drilling and anchoring into suitable surface material.	99.87	
		For >59 To 99, Deduct	*-11.74*	
		For >99 To 249, Deduct	*-14.61*	
		For >249, Deduct	*-17.48*	

32 35 Screening Devices *(32 30)*

32 35 13 Screens and Louvers *(32 35)*

32 35 13 00-0001 Roof Screen System *(32 35 13)*

32 35 13 00-0002	SF	Roof Screen System Note: Includes panels with bolted connection wall or roof mounted support frames, inside an outside corners, and gates as necessary.	94.26	
32 35 13 00-0003	SF	Roof Screen System (Ruskin EV 700) Note: Includes panels with bolted connection wall or roof mounted support frames, inside an outside corners, and acessories as necessary.	95.80	

32 35 16 Sound Barriers *(32 35)*

32 35 16 00-0001 Acoustical K-Rail Mounted Sound Wall (Rental) *(32 35 16)*

32 35 16 00-0002	LF	Freight/Delivery And Installation Of Rented 16' High, Dual K-Rail Mounted STC-32 Sound Wall	52.53	
32 35 16 00-0003	EA	Freight/Delivery And Installation Of Rented 20' K-Rail For Dual K-Rail Mounted Sound Wall	292.82	
32 35 16 00-0004	LF	16' High, Dual K-Rail Mounted STC-32 Sound Wall, Material Rental Per Month Note: Includes rental material only per LF per Month.	32.13	
32 35 16 00-0005	EA	20' K-Rail For Dual K-Rail Mounted Sound Wall, Material Rental Per Each Note: Includes rental material only per each 20' section per Month.	124.95	
32 35 16 00-0006	LF	Freight/Return And Removal Of Rented 16' High, Dual K-Rail Mounted STC-32 Sound Wall	48.69	
32 35 16 00-0007	EA	Freight/Return And Removal Of Rented 20' K-Rail For Dual K-Rail Mounted Sound Wall	292.82	

32 35 16 00-0008 Acoustical K-Rail Mounted Sound Wall (Purchase) *(32 35 16)*

32 35 16 00-0009	LF	16' High, Dual K-Rail Mounted STC-32 Sound Wall (Purchase) Note: Includes freight/delivery, installation and material.	909.36	
32 35 16 00-0010	EA	20' K-Rail For Dual K-Rail Mounted Sound Wall (Purchase) Note: Includes freight/delivery, installation and material.	1,363.86	

32 39 Manufactured Site Specialties *(32 30)*

Note: Excludes coredrilling, augering, concrete footing and compaction See CSI section 02 41 19 13-0083 for concrete core drilling, 02 41 19 13-0221 for asphalt core drilling, 32 31 13 13-0002 for augering, 32 31 13 13-0019 for concrete footing, 32 31 13 13-0045 for compaction of earth.

32 39 13 Manufactured Metal Bollards *(32 39)*

32 39 13 00-0001 Metal Pipe Bollards *(32 39 13)*

Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill for post and post holes.

32 39 13 00-0002 Steel Pipe Bollard, Schedule 40 Pipe, Painted Or Powered Coated *(32 39 13 00-0001)*

32 39 13 00-0003	LF	4" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated	86.04	13.47
		For Galvanized Steel, Add	*10.05*	
		For 304 Stainless Steel, Add	*79.77*	
		For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	*131.80*	
		For Each Sleeve For Removable, Lockable Bollard (Includes Tamper Proof Screw), Add	*91.82*	
		For Schedule 80, Add	*11.56*	
		For Concrete Fill, Add Per LF Of Pipe Bollard	*10.64*	
32 39 13 00-0004	LF	6" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated	120.15	13.47
		For Galvanized Steel, Add	*15.84*	
		For 304 Stainless Steel, Add	*125.82*	
		For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	*131.80*	
		For Each Sleeve For Removable, Lockable Bollard (Includes Tamper Proof Screw), Add	*91.82*	
		For Schedule 80, Add	*16.68*	
		For Concrete Fill, Add Per LF Of Pipe Bollard	*14.98*	
32 39 13 00-0005	LF	8" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated	171.91	16.85
		For Galvanized Steel, Add	*23.50*	
		For 304 Stainless Steel, Add	*186.62*	
		For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	*172.68*	
		For Each Sleeve For Removable, Lockable Bollard, Add	*135.50*	
		For Schedule 80, Add	*24.10*	
		For Concrete Fill, Add Per LF Of Pipe Bollard	*20.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 39 13 00-0006	LF	10" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated	229.54	20.21
		For Galvanized Steel, Add	*32.15*	
		For 304 Stainless Steel, Add	*255.33*	
		For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	*199.64*	
		For Each Sleeve For Removable, Lockable Bollard, Add	*148.98*	
		For Schedule 80, Add	*32.41*	
		For Concrete Fill, Add Per LF Of Pipe Bollard	*24.46*	
32 39 13 00-0007	LF	12" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated	288.60	26.95
		For Galvanized Steel, Add	*39.90*	
		For 304 Stainless Steel, Add	*316.86*	
		For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	*274.56*	
		For Each Sleeve For Removable, Lockable Bollard, Add	*204.65*	
		For Schedule 80, Add	*40.60*	
		For Concrete Fill, Add Per LF Of Pipe Bollard	*28.53*	

32 39 23 Manufactured Concrete Bollards *(32 39)*

32 39 23 00-0001 Concrete Bollards *(32 39 23)*

Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill.

32 39 23 00-0002 Concrete Bollard, Exposed Aggregate *(32 39 23 00-0001)*

32 39 23 00-0003	EA	12" x 12" x 30" High Concrete Bollard, Light Media Blast Note: Surface mounted with anchor bolts embedded into grout pockets.	665.00	107.77
32 39 23 00-0004	EA	12" Diameter x 30" High Concrete Bollard, Light Media Blast Note: Surface mounted with anchor bolts embedded into grout pockets.	665.00	107.77

32 39 23 00-0005 Poured In Place Concrete Bollard With Powder Coated Steel Exterior *(32 39 23 00-0001)*

Note: Includes high visibility powder coated steel exterior with welded anchoring tabs for embedding in concrete. Excludes excavation and concrete foundation.

32 39 23 00-0006	EA	24" Exposed Height, 5-1/2" Diameter, Poured In Place Concrete Bollard With Powder Coated Steel Exterior	253.32	53.89
32 39 23 00-0007	EA	36" Exposed Height, 5-1/2" Diameter, Poured In Place Concrete Bollard With Powder Coated Steel Exterior	325.05	53.89
32 39 23 00-0008	EA	42" Exposed Height, 5-1/2" Diameter, Poured In Place Concrete Bollard With Powder Coated Steel Exterior	372.91	53.89
32 39 23 00-0009	EA	48" Exposed Height, 5-1/2" Diameter, Poured In Place Concrete Bollard With Powder Coated Steel Exterior	418.33	53.89

32 39 25 Manufactured Wood Bollards *(32 39)*

32 39 25 00-0001 Wood Bollards *(32 39 25)*

Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill.

32 39 25 00-0002 Wood Bollard, Pressure Treated Timber *(32 39 25 00-0001)*

32 39 25 00-0003	LF	4" x 4", Pressure Treated Wood Bollard	24.61	10.78
		For Each Sleeve For Removable, Lockable Bollard, Add	*90.12*	
32 39 25 00-0004	LF	6" x 6", Pressure Treated Wood Bollard	27.84	10.78
		For Each Sleeve For Removable, Lockable Bollard, Add	*90.12*	
32 39 25 00-0005	LF	8" x 8", Pressure Treated Wood Bollard	35.44	12.12
		For Each Sleeve For Removable, Lockable Bollard, Add	*133.68*	
32 39 25 00-0006	LF	10" x 10", Pressure Treated Wood Bollard	49.79	16.17
		For Each Sleeve For Removable, Lockable Bollard, Add	*149.86*	
32 39 25 00-0007	LF	12" x 12", Pressure Treated Wood Bollard	68.24	21.55
		For Each Sleeve For Removable, Lockable Bollard, Add	*207.29*	

32 39 27 Manufactured Plastic Bollards *(32 39)*

32 39 27 00-0001 Plastic Bollards *(32 39 27)*

See CSI section 32 31 13 13-0001 for augering and filling holes for bollards., 32 31 13 13-0018 for concrete fill.

32 39 27 00-0002 Recycled Plastic Bollards *(32 39 27 00-0001)*

32 39 27 00-0003	EA	6" x 6" x 33" Surface Mounted Recycled Plastic Bollard Note: Includes anchor bolts.	361.95	53.89
32 39 27 00-0004	EA	6" Diameter x 6' Steel Reinforced Recycled Plastic Bollard	588.22	53.89

32 39 27 00-0005 Plastic Bollard Covers *(32 39 27 00-0001)*

32 39 27 00-0006	EA	4" x 60", 1/8" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe	92.80	12.80
		For Reflective Tape, Add	*10.67*	
32 39 27 00-0007	EA	6" x 60", 1/8" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	100.36	14.08
		For Reflective Tape, Add	*10.67*	
32 39 27 00-0008	EA	3" x 60", 1/4" Thick LDPE Bollard Cover, Fits 3" To 3 1/2" Pipe	126.40	12.80
		For Reflective Tape, Add	*10.67*	
32 39 27 00-0009	EA	3-1/2" x 52", 1/4" Thick LDPE Bollard Cover, Fits 3 -1/2" To 4" Pipe	126.40	12.80
		For Reflective Tape, Add	*10.67*	
32 39 27 00-0010	EA	3-1/2" x 68", 1/4" Thick LDPE Bollard Cover, Fits 3-1/2" To 4" Pipe	142.09	12.80
		For Reflective Tape, Add	*10.67*	
32 39 27 00-0011	EA	4" x 52", 1/4" Thick LDPE Bollard Cover, Fits 4' To 4-1/2" Pipe	126.40	12.80
		For Reflective Tape, Add	*10.67*	
32 39 27 00-0012	EA	4" x 60", 1/4" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe	128.64	12.80
		For Reflective Tape, Add	*10.67*	
32 39 27 00-0013	EA	5" x 52", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe	126.40	12.80
		For Reflective Tape, Add	*10.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 39 27 00-0014	EA	5" x 60", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe	128.64	12.80
		For Reflective Tape, Add	*10.67*	
32 39 27 00-0015	EA	5" x 72", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe	180.18	12.80
		For Reflective Tape, Add	*10.67*	
32 39 27 00-0016	EA	6" x 52", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	128.96	14.08
		For Reflective Tape, Add	*10.67*	
32 39 27 00-0017	EA	6" x 65", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	164.81	14.08
		For Reflective Tape, Add	*10.67*	
32 39 27 00-0018	EA	6" x 84", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	187.74	14.08
		For Reflective Tape, Add	*10.67*	
32 39 27 00-0019	EA	7" x 56", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	158.41	15.36
		For Reflective Tape, Add	*10.67*	
32 39 27 00-0020	EA	8" x 52", 1/4" Thick LDPE Bollard Cover, Fits 7" To 7-5/16" Pipe	171.86	15.36
		For Reflective Tape, Add	*10.67*	
32 39 27 00-0021	EA	8" x 69", 1/4" Thick LDPE Bollard Cover, Fits 8" To 8-5/8" Pipe	171.86	15.36
		For Reflective Tape, Add	*10.67*	
32 39 27 00-0022	EA	10" x 69", 1/4" Thick LDPE Bollard Cover, Fits 10" To 11" Pipe	232.37	15.36
		For Reflective Tape, Add	*10.67*	

32 39 29 Manufactured Stone Bollards *(32 39)*

32 39 29 00-0001 Stone Bollards *(32 39 29)*

See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill.

32 39 29 00-0002 Granite Bollards *(32 39 29 00-0001)*

32 39 29 00-0003	EA	16" x 16" x 30" Granite Bollard, Smooth Matt Finish Note: Surface mounted with anchors embedded into grout pockets.	1,659.51	134.72
32 39 29 00-0004	EA	16" x 16" x 54" Granite Bollard, Smooth Matt Finish Note: Surface mounted with anchors embedded into grout pockets.	2,095.86	188.60
32 39 29 00-0005	EA	12" x 12" x 24" Granite Bollard, Rough Finish, Pyramid Top Note: Surface mounted with anchors embedded into grout pockets.	1,012.49	134.72
32 39 29 00-0006	EA	12" Diameter x 18" Granite Bollard, Smooth Matt Finish Note: Flat Top, surface mounted with anchors embedded into grout pockets.	1,529.80	107.77
32 39 29 00-0007	EA	24" x 24" x 20" Granite Bollard, Octagonal Cross Section Note: Smooth matt finish, flat top, surface mounted with anchors embedded into grout pockets.	2,300.67	107.77

32 39 43 Custom Manufactured Fencing *(32 39)*

32 39 43 00-0001 Custom Fabricated Fencing And Screens *(32 39 43)*

32 39 43 00-0002	EA	Custom Fabricated Barrier Fence Note: Includes 7 - 2" SQ. Tubular Steel Post, 4'-6" Height – Galvanized tubular steel post with final, 2" x 2", RAL 1028 Mellon Yellow & Powder coated finish with Post plate and bolts – Post plate with 3/8" Dia. holes and anchor bolts, 4 x 4, RAL 1028 Mellon Yellow & Galvanized finish; 17 rows @ 33' - 3/8" Thick Metal Wire Panel – Galvanized Metal Wire Panel, RAL 3000 Flame Red Color & Powder coated finish; 6 - 5' Diameter, Galvanized Perforated Metal Panel – 12 GA. Perforated Metal Panel with 3/8" Dia. holes at 9/16" O.C. and Hemmed Edges to be welded to wire frame, Gray and Powder coated finish; 2 - Galvanized Metal Strip – 1/8" thick x 1 ½" wide x 53" long, RAL 1028 Mellon Yellow & Powder coated finish. Includes shop drilling in posts and base plates, shop fabricated welding, and anchors.	106,632.42	

32 80 Irrigation *(32)*

32 84 Planting Irrigation *(32 80)*

32 84 13 Drip Irrigation *(32 84)*

32 84 13 00-0001 Drip Emitter Irrigation Devices *(32 84 13)*

32 84 13 00-0002 Drip Emitter Irrigation Valves *(32 84 13 00-0001)*

32 84 13 00-0003	EA	1/2" Air/Vacuum Relief Valve For Drip Emitter Irrigation Systems (Rain Bird® ARV050)	52.26	11.71
32 84 13 00-0004	EA	1", Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LFV100)	88.77	11.71
32 84 13 00-0005	EA	3/4", Anti-Siphon, Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LFV075)	86.23	11.71
32 84 13 00-0006	EA	3/4", Latching Solenoid, Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LFV075TBOS)	120.53	11.71

32 84 13 00-0007 Drip Emitter Irrigation Filters *(32 84 13 00-0001)*

32 84 13 00-0008	EA	3/4" Inlet/Outlet, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® QKCHK-075)	193.02	11.71
32 84 13 00-0009	EA	1" Inlet/Outlet, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® QKCHK-100)	194.91	11.71
32 84 13 00-0010	EA	3/4" Inlet/Outlet, Inline Wye Filter For Drip Emitter Irrigation Systems (Rain Bird® RBY075MPTX)	68.21	11.71
32 84 13 00-0011	EA	1" Inlet/Outlet, Inline Wye Filter For Drip Emitter Irrigation Systems (Rain Bird® RBY100MPTX)	69.72	11.71
32 84 13 00-0012	EA	1" Inlet/Outlet, Pressure Regulating, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® PRB-QCHK-100)	210.59	11.71
32 84 13 00-0013	EA	3/4" Inlet/Outlet, Pressure Regulating, Inline RBY Filter For Drip Emitter Irrigation Systems (Rain Bird® PRF075RBY)	90.92	11.71
32 84 13 00-0014	EA	1" Inlet/Outlet, Pressure Regulating, Inline RBY Filter For Drip Emitter Irrigation Systems (Rain Bird® PRF100RBY)	102.74	11.71

32 84 13 00-0015 Drip Emitter Irrigation Pressure Regulators *(32 84 13 00-0001)*

32 84 13 00-0016	EA	3/4", 6 To 300 GPH, 30 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-L30X-075)	66.68	11.71

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 13 00-0017	EA	3/4", 120 To 600 GPH, 30 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M30X-075)	66.68	11.71
32 84 13 00-0018	EA	3/4", 120 To 600 GPH, 40 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M40X-075)	66.68	11.71
32 84 13 00-0019	EA	1", 120 To 900 GPH, 40 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M40X-100)	79.11	11.71
32 84 13 00-0020		**Drip Emitter Irrigation Tubing** *(32 84 13 00-0001)*		
		Note: Includes surface installation and covering of tubing with existing pine straw, pine bark etc.		
32 84 13 00-0021	LF	1/4", Landscape Dripline With Extruded Non-Pressure Compensating Drip Emitters (Rain Bird® LDQ0806100)	4.68	1.64
32 84 13 00-0022	LF	1/2", Landscape Dripline With Extruded Pressure Compensating Drip Emitters (Rain Bird® XFD0612100)	4.12	1.87
32 84 13 00-0023	LF	1/4", UV-Resistant, Polyethylene, Distribution Tubing For Drip Emitter Irrigation Systems (Rain Bird® XQ100)	3.48	1.64
		For Shallow Trenching And Backfill By Hand, Add	*6.72*	
32 84 13 00-0024	LF	1/2", UV-Resistant, Polyethylene, Distribution Tubing For Drip Emitter Irrigation Systems (Rain Bird® XT700100)	4.22	1.87
		For Shallow Trenching And Backfill By Hand, Add	*7.28*	
32 84 13 00-0025		**Drip Emitter Irrigation Fittings** *(32 84 13 00-0001)*		
32 84 13 00-0026	EA	1/4", Barbed Coupling For Irrigation Tubing (Rain Bird® XBF1CONN)	3.16	
32 84 13 00-0027	EA	1/4", Barbed Elbow For Irrigation Tubing (Rain Bird® XBF2EL)	3.20	
32 84 13 00-0028	EA	1/4", Barbed Tee For Irrigation Tubing (Rain Bird® XBF3TEE)	3.27	
32 84 13 00-0029	EA	1/4", Self Piercing Barbed Coupling For Irrigation Tubing (Rain Bird® SPB025)	3.49	
32 84 13 00-0030	EA	1/4", Plug For Irrigation Tubing (Rain Bird® EMAGPX)	3.12	
32 84 13 00-0031	EA	17mm, Barbed Coupling For Irrigation Tubing (Rain Bird® XFFCOUP)	3.38	
		For Compression Fitting, Add	*0.45*	
32 84 13 00-0032	EA	17mm, Barbed Elbow For Irrigation Tubing (Rain Bird® XFF-ELBOW)	3.51	
		For Compression Fitting, Add	*0.58*	
32 84 13 00-0033	EA	17mm, Barbed Tee For Irrigation Tubing (Rain Bird® XFF-TEE)	3.57	
		For Compression Fitting, Add	*0.64*	
32 84 13 00-0034	EA	17mm, Barbed Male Adapter For Irrigation Tubing (Rain Bird® XFFMA050)	3.61	
		For Compression Fitting, Add	*0.68*	
32 84 13 00-0035	EA	17mm, Barbed Cross For Irrigation Tubing (Rain Bird® XFDCROSS)	3.88	
		For Compression Fitting, Add	*0.95*	
32 84 13 00-0036	EA	1/2", Plug For Irrigation Tubing (Rain Bird® MDCFCAP)	4.19	
32 84 13 00-0037	EA	12 Gauge, Galvanized Stake For Irrigation Tubing (Rain Bird® TDS050BEND)	2.06	
32 84 13 00-0038		**Drip Emitters** *(32 84 13 00-0001)*		
32 84 13 00-0039	EA	0.5 To 2 GPH, Single Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® XB20PC)	6.54	
32 84 13 00-0040	EA	5 To 24 GPH, Single Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® PC24)	7.75	
32 84 13 00-0041	EA	0.5 To 2 GPH, Six Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® XB056)	17.32	
32 84 13 00-0042		**Drip Emitter Irrigation Micro-Bubblers, Sprays And Misters** *(32 84 13 00-0001)*		
32 84 13 00-0043	EA	Adjustable Stream Bubbler With Spike For Drip Emitter Irrigation Systems (Rain Bird® SXB360SPYK)	25.28	10.53
32 84 13 00-0044	EA	Adjustable Micro Spray With Spike For Drip Emitter Irrigation Systems (Rain Bird® XS360TSPYK)	25.34	10.53
32 84 13 00-0045	EA	12" Height, Riser Assembly With Pressure Compensating Nozzle For Drip Emitter Irrigation Systems (Rain Bird® SQADP12 With SQFUL)	28.68	10.53
32 84 13 00-0046	EA	24" Height, Riser Assembly With Pressure Compensating Nozzle For Drip Emitter Irrigation Systems (Rain Bird® SQADP24 With SQFUL)	29.03	10.53
32 84 13 00-0047	EA	4" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP-400X With SQFUL) Note: Includes nozzle.	43.07	13.81
32 84 13 00-0048	EA	6" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP-600X With SQFUL) Note: Includes nozzle.	47.37	13.81
32 84 13 00-0049	EA	12" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP1200X With SQFUL) Note: Includes nozzle.	50.63	13.81
32 84 13 00-0050		**Subsurface Drip Emitter Irrigation Tubing (Rain Bird® XFS)** *(32 84 13 00-0001)*		
		Note: Brown or purple tubing. Includes layout, trenching 4" to 6", installing tubing and backfilling trench.		
32 84 13 00-0051	LF	0.536" ID, 0.634" OD, Subsurface Drip Emitter Irrigation Tubing (Rain Bird® XFS Copper Shield)	4.73	2.04
32 84 23		**Underground Sprinklers** *(32 84)*		
32 84 23 00-0001		**Sprinkler Heads** *(32 84 23)*		
32 84 23 00-0002		**Spray Sprinkler Heads** *(32 84 23 00-0001)*		
		Note: Includes plastic riser and case. Includes spray, variable arc or bubbler nozzle with partial or full circle coverage.		
32 84 23 00-0003	EA	2" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1802P)	37.56	12.93
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0004	EA	4" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1804P)	35.13	12.93
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0005	EA	6" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1806P)	44.16	12.93
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0006	EA	12" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1812P)	51.73	12.93
		For Rotary Nozzle, Add	*3.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0007	EA	4" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1804-SAM)	38.53	12.93
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0008	EA	6" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1806-SAM)	51.25	12.93
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0009	EA	12" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1812-SAM)	57.37	12.93
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0010	EA	4" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1804-PRS)	42.15	12.93
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0011	EA	6" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1806-PRS)	53.74	12.93
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0012	EA	12" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1812-PRS)	59.46	12.93
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0013	EA	4" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1804-SAM-PRS)	43.60	12.93
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0014	EA	6" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1806-SAM-PRS)	61.39	12.93
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0015	EA	12" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1812-SAM-PRS)	67.03	12.93
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0016	EA	Bubbler Head With Screen, 1/2" NPT (Rain Bird® 1300)	30.38	12.93
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0017	EA	Pressure Compensating Bubbler With Screen, 1/2" NPT (Rain Bird® 1400)	36.03	12.93
32 84 23 00-0018		**Gear-Drive, Rotary Sprinkler Heads** *(32 84 23 00-0001)*		
		Note: Maximum spacing is equivalent to maximum radius.		
32 84 23 00-0019		**1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Heads** *(32 84 23 00-0018)*		
		Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage.		
32 84 23 00-0020	EA	4" Pop-Up Height, 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 3504PC)	55.44	12.93
		For Non-Potable Cover, Add	*2.00*	
32 84 23 00-0021	EA	4" Pop-Up Height, 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 3504-PC-SAM)	57.45	12.93
		For Non-Potable Cover, Add	*2.00*	
32 84 23 00-0022		**3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Heads** *(32 84 23 00-0018)*		
		Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage.		
32 84 23 00-0023	EA	4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 5004-PLPC)	50.60	12.93
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0024	EA	6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 5006-PLPC)	72.35	12.93
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0025	EA	4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5004-PLPCS)	54.63	12.93
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0026	EA	6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5006-PLPCS)	75.57	12.93
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0027	EA	4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Pressure Regulator (Rain Bird® 5004+PCR)	56.24	12.93
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0028	EA	4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5004+FCSR)	59.46	12.93
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0029	EA	6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5006+PCSR)	80.40	12.93
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0030	EA	12" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5012+PCSR)	93.28	12.93
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0031	EA	Shrub Type, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5000S-PLPCS)	59.06	12.93
		For Non-Potable Cover, Add	*2.00*	
32 84 23 00-0032	EA	Shrub Type, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5000S+PCSR)	71.94	12.93
		For Non-Potable Cover, Add	*2.00*	
32 84 23 00-0033		**1" Inlet, Up To 65' Spacing, Gear-Drive, Rotary Sprinkler Heads** *(32 84 23 00-0018)*		
		Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.		
32 84 23 00-0034	EA	4" Pop-Up Height, 1" Inlet, Up To 65' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® F4PC)	102.54	12.93
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
		For Stainless Steel Riser And High Speed Rotor, Add	*59.26*	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0035		1" Inlet, Up To 80' Spacing, Gear-Drive, Rotary Sprinkler Heads *(32 84 23 00-0018)*		
		Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.		
32 84 23 00-0036	EA	5" Pop-Up Height, 1" Inlet, Up To 80' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 8005)	149.25	12.93
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0037		Impact-Drive Sprinkler Heads *(32 84 23 00-0001)*		
		Note: Includes partial or full circle coverage. Maximum spacing is equivalent to maximum radius.		
32 84 23 00-0038	EA	1/2" Inlet, Up To 45' Spacing, Pop-Up, Impact-Drive Rotary Sprinkler Head (Rain Bird® 2045A-08)	80.00	12.93
		For Non-Potable Cover, Add	*2.00*	
32 84 23 00-0039	EA	1/2" Inlet, Up To 45' Spacing, Riser Mounted, Plastic Body, Impact-Drive Sprinkler Head (Rain Bird® 2045-PJ08)	60.67	12.93
32 84 23 00-0040	EA	3/4" Inlet, Up To 51' Spacing, Riser Mounted, Brass/Bronze Body, Impact-Drive Sprinkler Head (Rain Bird® 35A-ADJ-TNTB)	125.06	12.93
32 84 23 00-0041		Electric Remote Control Irrigation Valves *(32 84 23)*		
32 84 23 00-0042		0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valves (Rain Bird® DV Series) *(32 84 23 00-0041)*		
		Note: 15 to 150 PSI.		
32 84 23 00-0043	EA	3/4", 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 75DV)	158.42	53.90
32 84 23 00-0044	EA	1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100DV)	158.42	53.90
32 84 23 00-0045	EA	1", 0.2 To 40 GPM, Slip-On, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100DVSS)	173.82	61.44
32 84 23 00-0046	EA	1", 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Angle Valve (Rain Bird® 100DVA)	160.03	53.90
32 84 23 00-0047		0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valves With Flow Control (Rain Bird® DVF Series) *(32 84 23 00-0041)*		
		Note: 15 to 150 PSI.		
32 84 23 00-0048	EA	1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVF)	160.03	53.90
32 84 23 00-0049	EA	1", 0.2 To 40 GPM, Slip-On, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVFSS)	176.24	61.44
32 84 23 00-0050	EA	1", 0.2 To 40 GPM, Male x Barb, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVFMB)	177.85	61.44
32 84 23 00-0051		0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves (Rain Bird® PEB Series) *(32 84 23 00-0041)*		
		Note: 20 to 200 PSI.		
32 84 23 00-0052	EA	1", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100PEB)	288.87	53.90
32 84 23 00-0053	EA	1-1/2", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 150PEB)	345.24	53.90
32 84 23 00-0054	EA	2", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 200PEB)	417.71	53.90
32 84 23 00-0055		5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves With Pressure Regulator (Rain Bird® PEB PRS-D Series) *(32 84 23 00-0041)*		
		Note: 20 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0056	EA	1", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 100PEB PRS-D)	424.63	60.58
32 84 23 00-0057	EA	1-1/2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 150PEB PRS-D)	481.00	60.58
32 84 23 00-0058	EA	2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 200PEB PRS-D)	553.47	60.58
32 84 23 00-0059		20 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves With Pressure Regulator And Scrubber Valve (Rain Bird® PESB PRS-D Series) *(32 84 23 00-0041)*		
		Note: 20 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0060	EA	1", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 100PESB PRS-D)	505.16	60.58
32 84 23 00-0061	EA	1-1/2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 150PESB PRS-D)	561.53	60.58
32 84 23 00-0062	EA	2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 200PESB PRS-D)	634.00	60.58
32 84 23 00-0063		0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves (Hunter IBV Series) *(32 84 23 00-0041)*		
		Note: 20 to 200 PSI operating range pressure.		
32 84 23 00-0064	EA	1", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-101G-B)	449.19	53.90
32 84 23 00-0065	EA	1-1/2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-151G-B)	708.34	53.90
32 84 23 00-0066	EA	2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-201G-B)	731.76	53.90
32 84 23 00-0067	EA	3", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-301G-B)	1,757.56	72.76

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0068		**5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves (Rain Bird® EFB-CP Series)** *(32 84 23 00-0041)*		
		Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0069	EA	1", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 100EFB-CP)	407.16	60.58
32 84 23 00-0070	EA	1-1/4", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 125EFB-CP)	484.22	60.58
32 84 23 00-0071	EA	1-1/2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 150EFB-CP)	567.89	60.58
32 84 23 00-0072	EA	2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 200EFB-CP)	678.05	60.58
32 84 23 00-0073		**0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves (Hunter IBV FS Series)** *(32 84 23 00-0041)*		
		Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0074	EA	1", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-101G-B-FS)	552.01	60.58
32 84 23 00-0075	EA	1-1/2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-151G-B-FS)	859.47	60.58
32 84 23 00-0076	EA	2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-201G-B-FS)	885.82	60.58
32 84 23 00-0077	EA	3", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-301G-B-FS)	1,890.20	60.58
32 84 23 00-0078		**0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV ACCU-SYNC Series)** *(32 84 23 00-0041)*		
		Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0079	EA	1", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-101G-B ACCU-SYNC-ADJ)	566.32	53.90
32 84 23 00-0080	EA	1-1/2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-151G-B ACCU-SYNC-ADJ)	825.47	53.90
32 84 23 00-0081	EA	2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-201G-B ACCU-SYNC-ADJ)	848.89	53.90
32 84 23 00-0082	EA	3", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-301G-B ACCU-SYNC-ADJ)	1,874.69	72.76
32 84 23 00-0083		**5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves With Pressure Regulator (Rain Bird® EFB-CP PRS-D Series)** *(32 84 23 00-0041)*		
		Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0084	EA	1", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 100EFB-CP PRS-D)	527.95	60.58
32 84 23 00-0085	EA	1-1/4", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 125EFB-CP PRS-D)	605.01	60.58
32 84 23 00-0086	EA	1-1/2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 150EFB-CP PRS-D)	688.68	60.58
32 84 23 00-0087	EA	2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 200EFB-CP PRS-D)	798.83	60.58
32 84 23 00-0088		**0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV FS ACCU-SYNC Series)** *(32 84 23 00-0041)*		
		Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0089	EA	1", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-101G-B-FS ACCU-SYNC-ADJ)	669.14	60.58
32 84 23 00-0090	EA	1-1/2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-151G-B-FS ACCU-SYNC-ADJ)	976.60	60.58
32 84 23 00-0091	EA	2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-201G-B-FS ACCU-SYNC-ADJ)	1,002.95	60.58
32 84 23 00-0092	EA	3", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-301G-B-FS ACCU-SYNC-ADJ)	2,007.32	60.58
32 84 23 00-0093		**Other Electric Remote Control Valves/Accessories** *(32 84 23 00-0041)*		
32 84 23 00-0094	EA	Pressure Regulator Module For Electric Remote Control Valves (Rain Bird® PRS-DIAL)	163.90	
32 84 23 00-0095		**Remote Control Valve Assemblies** *(32 84 23 00-0041)*		
		Note: Includes excavation and disposal of soil, installation of 6" minimum depth gravel or crushed rock, woven wire cloth, valve, fittings, valve box (Carson 1419-12), as detailed in the Caltrans Standard Plans 2010 page 224.		
32 84 23 00-0096	EA	1" Glass-Filled Nylon Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® PEB) And Box (Carson 1419-12)	588.53	134.74
32 84 23 00-0097	EA	1-1/2" Glass-Filled Nylon Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® PEB) And Box (Carson 1419-12)	644.90	134.74
32 84 23 00-0098	EA	2" Glass-Filled Nylon Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® PEB) And Box (Carson 1419-12)	717.37	134.74

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0099	EA	1" Glass-Filled Nylon Remote Control Scrubber Valve With Flow Control And Captured Solenoid (Rain Bird® PESB-R) And Box (Carson 1419-12) Note: Purple components for use with recycled water	669.06	134.74
32 84 23 00-0100	EA	1-1/2" Glass-Filled Nylon Remote Control Scrubber Valve With Flow Control And Captured Solenoid (Rain Bird® PESB-R) And Box (Carson 1419-12) Note: Purple components for use with recycled water	725.43	134.74
32 84 23 00-0101	EA	2" Glass-Filled Nylon Remote Control Scrubber Valve With Flow Control And Captured Solenoid (Rain Bird® PESB-R) And Box (Carson 1419-12) Note: Purple components for use with recycled water	797.90	134.74
32 84 23 00-0102	EA	1" Brass Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® EFB-CP-R) And Box (Carson 1419-12) Note: Purple components for use with recycled water	691.85	134.74
32 84 23 00-0103	EA	1-1/2" Brass Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® EFB-CP-R) And Box (Carson 1419-12) Note: Purple components for use with recycled water	852.58	134.74
32 84 23 00-0104	EA	2" Brass Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® EFB-CP-R) And Box (Carson 1419-12) Note: Purple components for use with recycled water	962.73	134.74
32 84 23 00-0105		**Irrigation Valve Boxes** *(32 84 23)* Note: Includes lid.		
32 84 23 00-0106	EA	6" Round Irrigation Valve Box With Lid (Rain Bird® PVB-6RND)	92.53	38.80
32 84 23 00-0107	EA	7" Round Irrigation Valve Box With Lid (Rain Bird® VB-7RND)	111.55	38.80
32 84 23 00-0108	EA	10" Round Irrigation Valve Box With Lid (Rain Bird® VB-10RND)	146.23	51.09
32 84 23 00-0109	EA	21.8" x 16.6" x 12" Depth, Rectangular Irrigation Valve Box With Lid (Rain Bird® VB-STD)	242.63	74.59
32 84 23 00-0110	EA	21.8" x 16.6" x 12" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-STDH)	247.95	74.59
32 84 23 00-0111	EA	26.3" x 19.8" x 12.1" Depth, Rectangular Irrigation Valve Box With Lid (Rain Bird® VB-JMB)	286.12	74.59
32 84 23 00-0112	EA	26.3" x 19.8" x 12.1" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-JMBH)	290.66	74.59
32 84 23 00-0113	EA	33.1" x 23.8" x 15" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-SPRH)	508.76	74.59
32 84 23 00-0114	EA	40.3" x 27.1" x 18" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-MAXH)	791.25	74.59
32 84 23 00-0115	EA	Number 5 CALTRANS Concrete Valve Box With Non-Traffic Rated Concrete Lid	493.97	149.31
	For 12" Extension, Add		*105.54*	
32 84 23 00-0116	EA	Number 5 CALTRANS Concrete Valve Box With Non-Traffic Rated Steel Lid	771.48	149.31
	For 12" Extension, Add		*105.54*	
32 84 23 00-0117	EA	12" x 17" x 12" Depth, Rectangular Irrigation Valve Box With Lid (Carson 1419-12)	198.42	64.68
32 84 23 00-0118	EA	15" x 21" x 12" Depth, Rectangular Irrigation Valve Box With Lid (Carson 1220-12)	288.52	74.59
32 84 23 00-0119	EA	10" Round Irrigation Valve Box With Lid (Carson 910-10)	152.35	51.09
32 84 23 00-0120		**Irrigation Controllers** *(32 84 23)*		
32 84 23 00-0121		**Irrigation Controllers** *(32 84 23 00-0120)*		
32 84 23 00-0122		**Irrigation Controllers (Rain Bird®)** *(32 84 23 00-0121)*		
32 84 23 00-0123		**Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP Series)** *(32 84 23 00-0122)*		
32 84 23 00-0124		**Four Program, Modular Irrigation Controllers (Rain Bird® ESP-ME Series)** *(32 84 23 00-0123)*		
32 84 23 00-0125		**Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-MEI Series)** *(32 84 23 00-0124)*		
32 84 23 00-0126	EA	4-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	458.95	39.85
32 84 23 00-0127	EA	7-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	640.61	39.85
32 84 23 00-0128	EA	10-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	822.29	39.85
32 84 23 00-0129	EA	13-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	1,003.95	39.85
32 84 23 00-0130	EA	16-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	1,145.79	39.85
32 84 23 00-0131	EA	19-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	1,332.45	39.85
32 84 23 00-0132	EA	22-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	1,519.10	39.85
32 84 23 00-0133		**Four Program, Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-ME Series)** *(32 84 23 00-0124)*		
32 84 23 00-0134	EA	4-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	541.33	39.85
32 84 23 00-0135	EA	7-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	722.98	39.85
32 84 23 00-0136	EA	10-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	904.66	39.85
32 84 23 00-0137	EA	13-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	1,086.33	39.85
32 84 23 00-0138	EA	16-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	1,228.17	39.85
32 84 23 00-0139	EA	19-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	1,414.82	39.85
32 84 23 00-0140	EA	22-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	1,601.47	39.85
32 84 23 00-0141		**Four Program, Modular Irrigation Controllers (Rain Bird® ESP-SMTE Series)** *(32 84 23 00-0123)*		
32 84 23 00-0142		**Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-SMTEI Series)** *(32 84 23 00-0141)*		
32 84 23 00-0143	EA	4-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	745.10	39.85
32 84 23 00-0144	EA	7-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	926.75	39.85
32 84 23 00-0145	EA	10-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	1,108.43	39.85
32 84 23 00-0146	EA	13-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	1,290.10	39.85

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0147	EA	16-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	1,431.94	39.85
32 84 23 00-0148	EA	19-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	1,618.59	39.85
32 84 23 00-0149	EA	22-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	1,805.24	39.85
32 84 23 00-0150		**Four Program, Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-SMTE Series)** *(32 84 23 00-0141)*		
32 84 23 00-0151	EA	4-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	806.82	39.85
32 84 23 00-0152	EA	7-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	988.48	39.85
32 84 23 00-0153	EA	10-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	1,170.16	39.85
32 84 23 00-0154	EA	13-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	1,351.82	39.85
32 84 23 00-0155	EA	16-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	1,493.66	39.85
32 84 23 00-0156	EA	19-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	1,680.32	39.85
32 84 23 00-0157	EA	22-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	1,866.96	39.85
32 84 23 00-0158		**Accessories For ESP-ME/MEI Irrigation Controllers** *(32 84 23 00-0123)*		
32 84 23 00-0159	EA	3-Station Expansion Module For ESP Series Irrigation Controllers (Rain Bird® ESP-SM3) Note: Use task for increasing capacity of existing ESP series irrigation controllers up to a maximum of 22-stations.	186.65	
32 84 23 00-0160	EA	6-Station Expansion Module For ESP Series Irrigation Controllers (Rain Bird® ESP-SM6) Note: Use task for increasing capacity of existing ESP series irrigation controllers up to a maximum of 22-stations.	356.13	
32 84 23 00-0161	EA	Smart Controller Upgrade Kit For ESP Series Irrigation Controllers (Rain Bird® ESPSMTEUPG)	522.03	
32 84 23 00-0162		**Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LX Series)** *(32 84 23 00-0122)*		
32 84 23 00-0163		**Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LX Basic Series)** *(32 84 23 00-0162)*		
32 84 23 00-0164	EA	12-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	1,097.69	39.85
32 84 23 00-0165	EA	16-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	1,327.17	39.85
32 84 23 00-0166	EA	20-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	1,560.64	39.85
32 84 23 00-0167	EA	24-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	1,790.10	39.85
32 84 23 00-0168	EA	28-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	2,023.57	39.85
32 84 23 00-0169	EA	32-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	2,253.05	39.85
32 84 23 00-0170	EA	36-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	2,486.51	39.85
32 84 23 00-0171	EA	40-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	2,715.98	39.85
32 84 23 00-0172	EA	44-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	2,949.46	39.85
32 84 23 00-0173	EA	48-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	3,178.93	39.85
32 84 23 00-0174		**Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LXME Series)** *(32 84 23 00-0162)*		
32 84 23 00-0175	EA	8-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	1,107.93	39.85
32 84 23 00-0176	EA	12-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	1,337.39	39.85
32 84 23 00-0177	EA	16-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	1,570.86	39.85
32 84 23 00-0178	EA	20-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	1,800.34	39.85
32 84 23 00-0179	EA	24-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	2,033.80	39.85
32 84 23 00-0180	EA	28-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	2,263.27	39.85
32 84 23 00-0181	EA	32-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	2,496.75	39.85
32 84 23 00-0182	EA	36-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	2,726.22	39.85
32 84 23 00-0183	EA	40-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	2,959.68	39.85
32 84 23 00-0184	EA	44-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	3,189.16	39.85
32 84 23 00-0185	EA	48-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	3,422.63	39.85
32 84 23 00-0186		**Accessories For ESP-LX/LXME Irrigation Controllers** *(32 84 23 00-0162)*		
32 84 23 00-0187	EA	Powder Coated Steel Wall Cabinet For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMM)	828.69	
32 84 23 00-0188	EA	Powder Coated Steel Cabinet And Pedestal For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMPED + LXMM) Note: Excludes concrete foundation.	1,927.06	
32 84 23 00-0189	EA	Stainless Steel Wall Cabinet For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMSS)	1,837.44	
32 84 23 00-0190	EA	Stainless Steel Cabinet And Pedestal For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMSSPED + LXMMSS) Note: Excludes concrete foundation.	4,084.39	
32 84 23 00-0191	EA	4-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM4) Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.	229.47	
32 84 23 00-0192	EA	8-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM8) Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.	462.95	
32 84 23 00-0193	EA	12-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM12) Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.	719.88	
32 84 23 00-0194	EA	Flow Smart Water Management Module For ESP-LXME Irrigation Controllers (Rain Bird® FSM-LXME)	269.44	

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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0195		Three Program, Battery-Operated, Buriable Irrigation Control Modules (Rain Bird® TBOS-II Series) *(32 84 23 00-0122)*		
32 84 23 00-0196		Three Program, Battery-Operated, Buriable Irrigation Control Modules (Rain Bird® TBOS-II Series) *(32 84 23 00-0195)*		
32 84 23 00-0197	EA	1-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series)	539.01	39.85
32 84 23 00-0198	EA	2-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series)	648.76	39.85
32 84 23 00-0199	EA	4-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series)	800.35	39.85
32 84 23 00-0200		Accessories For TBOS-II Series Irrigation Controllers *(32 84 23 00-0195)*		
32 84 23 00-0201	EA	Field Transmitter For TBOS-II Series Irrigation Controllers (Rain Bird® TBOS2FTUS)	699.13	
32 84 23 00-0202	EA	Potted Latching Solenoid For TBOS-II Series Irrigation Controllers (Rain Bird® TBOSPSOL)	133.71	29.88
32 84 23 00-0203		Accessories For Irrigation Controllers (Rain Bird®) *(32 84 23 00-0122)*		
32 84 23 00-0204	EA	Wired Rain Sensor For Irrigation Controllers (Rain Bird® RSDBEX)	185.45	29.88
32 84 23 00-0205	EA	Wireless Rain Sensor And Controller Interface For Irrigation Controllers (Rain Bird® WR2RC)	384.98	29.88
32 84 23 00-0206	EA	Wireless Rain/Freeze Sensor And Controller Interface For Irrigation Controllers (Rain Bird® WR2RFC)	408.95	29.88
32 84 23 00-0207	EA	Soil Moisture Sensor And Controller Interface For Irrigation Controllers (Rain Bird® SMRT-Y)	616.69	29.88
32 84 23 00-0208		Two-Wire Decoder Systems *(32 84 23 00-0120)*		
32 84 23 00-0209		Two-Wire Decoder Systems (Rain Bird®) *(32 84 23 00-0208)*		
32 84 23 00-0210		Controllers For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series) *(32 84 23 00-0209)* Note: Includes water resistant cabinet.		
32 84 23 00-0211	EA	50-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series)	3,224.52	39.85
32 84 23 00-0212	EA	125-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series)	4,540.99	39.85
32 84 23 00-0213	EA	200-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series)	5,857.47	39.85
32 84 23 00-0214		Field Decoders For Two-Wire Decoder Systems (Rain Bird®) *(32 84 23 00-0209)*		
32 84 23 00-0215	EA	One Individual Valve Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD101TURF)	391.57	39.85
32 84 23 00-0216	EA	One Pair Of Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD102TURF)	499.39	39.85
32 84 23 00-0217	EA	Two Pair Of Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD202TURF)	749.75	39.85
32 84 23 00-0218	EA	Up To Four Individual Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD401TURF)	919.09	39.85
32 84 23 00-0219	EA	Up To Six Individual Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD601TURF)	1,529.78	39.85
32 84 23 00-0220		Accessories For Two-Wire Decoder Systems (Rain Bird®) *(32 84 23 00-0209)*		
32 84 23 00-0221	EA	50-Station Replacement Base Module For ESP-LXD Series Two Wire Decoder Based Controllers (Rain Bird® MOD50-LXD)	2,385.71	
32 84 23 00-0222	EA	75-Station Expansion Module For ESP-LXD Series Two Wire Decoder Based Controllers (Rain Bird® SPLXDSM75)	1,316.47	
32 84 23 00-0223	EA	Line Surge Protection For ESP-LXD Series Two-Wire Decoder Systems (Rain Bird® LSP1TURF)	295.41	34.86
32 84 23 00-0224	EA	Sensor Decoder Interface For ESP-LXD Series Two-Wire Decoder Systems (Rain Bird® SD210TURF)	1,368.03	39.85
32 84 23 00-0225		Calsense Controllers *(32 84 23 00-0120)*		
32 84 23 00-0226		Irrigation Controllers *(32 84 23 00-0225)*		
32 84 23 00-0227	EA	6 Station ET-Driven Irrigation Controller (Calsense ET2000E-6)	2,898.86	99.60
32 84 23 00-0228	EA	8 Station ET-Driven Irrigation Controller (Calsense ET2000E-8)	3,739.94	112.05
32 84 23 00-0229	EA	12 Station ET-Driven Irrigation Controller (Calsense ET2000E-12)	5,133.50	124.51
32 84 23 00-0230	EA	16 Station ET-Driven Irrigation Controller (Calsense ET2000E-16)	5,648.32	124.51
32 84 23 00-0231	EA	24 Station ET-Driven Irrigation Controller (Calsense ET2000E-24)	6,677.73	136.96
32 84 23 00-0232	EA	32 Station ET-Driven Irrigation Controller (Calsense ET2000E-32)	8,058.94	136.96
32 84 23 00-0233	EA	40 Station ET-Driven Irrigation Controller (Calsense ET2000E-40)	9,126.04	149.41
32 84 23 00-0234	EA	48 Station ET-Driven Irrigation Controller (Calsense ET2000E-48)	10,218.46	149.41
32 84 23 00-0235	EA	Upgrade Existing Calsense Controller To ET2000E (Calsense ET2000E-UPGRADE)	2,953.35	49.81
32 84 23 00-0236	EA	Upgrade Existing Calsense Controller With 8 Additional Stations (Calsense STATION UPGRADE)	1,241.10	49.81
32 84 23 00-0237		Irrigation Controller Accessories *(32 84 23 00-0225)*		
32 84 23 00-0238	EA	Set Of 10 Keys For Calsense Controllers Or Enclosures (Calsense KEY-1)	120.54	
32 84 23 00-0239	EA	Spare Lock For Enclosures (Calsense PAD)	130.59	
32 84 23 00-0240	EA	Hardware And Software For Up To 4 Additional Light Circuits (Calsense L)	155.49	12.45
32 84 23 00-0241	EA	Transformer For Irrigation Controllers (Calsense TR-1)	225.16	49.81
32 84 23 00-0242	EA	AC Line Protection For Irrigation Controllers (Calsense TP-110)	614.42	49.81
32 84 23 00-0243	EA	Transient Protection Board For Irrigation Controller Stations (Calsense TP-1)	815.32	49.81
		For Outdoor Gray Powder Coated Stainless Steel Enclosure, Add	*368.79*	
32 84 23 00-0244		Sensors For Irrigation Controllers *(32 84 23 00-0225)*		
32 84 23 00-0245		Flow Sensors *(32 84 23 00-0244)*		
32 84 23 00-0246	EA	1-1/2" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 1.5)	1,430.17	74.71
		For Flow Meter Replacement Insert Only, Deduct	*-1,035.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0247	EA	2" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 2)	1,480.40	74.71
		For Flow Meter Replacement Insert Only, Deduct	*-1,085.79*	
32 84 23 00-0248	EA	3" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 3)	1,530.63	74.71
		For Flow Meter Replacement Insert Only, Deduct	*-1,136.02*	
32 84 23 00-0249	EA	1" Brass Tee Mounted Flow Meter (Calsense FM 1B)	1,693.43	99.60
		For Flow Meter Replacement Insert Only, Deduct	*-1,298.51*	
32 84 23 00-0250	EA	1-1/4" Brass Tee Mounted Flow Meter (Calsense FM 1.25B)	1,819.00	99.60
		For Flow Meter Replacement Insert Only, Deduct	*-1,424.08*	
32 84 23 00-0251	EA	1-1/2" Brass Tee Mounted Flow Meter (Calsense FM 1.5B)	1,869.22	99.60
		For Flow Meter Replacement Insert Only, Deduct	*-1,474.30*	
32 84 23 00-0252	EA	2" Brass Tee Mounted Flow Meter (Calsense FM 2B)	2,195.69	99.60
		For Flow Meter Replacement Insert Only, Deduct	*-1,672.59*	
32 84 23 00-0253	EA	2" Pipe Saddle Mounted Insertion Flow Meter (Calsense FMBX) Note: For 4" and larger pipe. Excludes pipe saddle.	1,706.83	49.81
		For Flow Meter Replacement Insert Only, Deduct	*-1,183.73*	

32 84 23 00-0254 Moisture Sensors *(32 84 23 00-0244)*

32 84 23 00-0255	EA	Soil Moisture Sensor (Calsense 1000-S)	602.08	37.35

32 84 23 00-0256 Weather Sensors *(32 84 23 00-0244)*

32 84 23 00-0257	EA	Wind Gage, Irrigation Weather Sensor (Calsense WG-1)	1,643.21	99.60
32 84 23 00-0258	EA	Tipping Rain Bucket, Irrigation Weather Sensor (Calsense RB-1)	1,892.65	199.21
32 84 23 00-0259	EA	ET Gage, Irrigation Weather Sensor (Calsense ETG)	3,751.86	149.41

32 84 23 00-0260 Weather Sensor Accessories *(32 84 23 00-0244)*

32 84 23 00-0261	EA	Ceramic Cup For ET Gage Weather Sensor (Calsense ETG-C)	1,104.12	
32 84 23 00-0262	EA	Removal And Replacement Of Circuit Board For ET Gage Weather Sensor (Calsense ETG-PCB)	2,083.53	
32 84 23 00-0263	EA	Vandal Resistant Mounting Base For ET Gage Enclosure (Calsense ETGE-BASE)	1,104.12	49.81
32 84 23 00-0264	EA	Vandal Resistant Stainless Steel Enclosure For ET Gage (Calsense ETGE)	2,548.55	49.81

32 84 23 00-0265 Antennas For Irrigation Controllers *(32 84 23 00-0225)*

Note: Excludes antenna cable.

32 84 23 00-0266	EA	Local Radio Dome Antenna (Calsense LR-DOME)	576.75	49.81
32 84 23 00-0267	EA	Local Radio Stick Antenna (Calsense LR-STICK)	840.43	49.81
32 84 23 00-0268	EA	Local Radio Yagi Antenna (Calsense LR-YAGI)	940.04	99.60
32 84 23 00-0269	EA	Local Radio And Calsense Radio, Remote Dome Antenna (Calsense LR-DOME-RR)	576.75	49.81
32 84 23 00-0270	EA	Local Radio And Calsense Radio, Enhanced Remote Dome Antenna (Calsense LR-DOME-RRE)	576.75	49.81
32 84 23 00-0271	EA	GPRS Stubby Antenna (Calsense GR-STUBBY)	576.75	49.81
32 84 23 00-0272	EA	GPRS Stick Antenna (Calsense GR-STICK)	840.43	49.81
32 84 23 00-0273	EA	Spread Spectrum Dome Antenna (Calsense SR-DOME)	576.75	49.81
32 84 23 00-0274	EA	Spread Spectrum Stick Antenna (Calsense SR-STICK)	840.43	49.81
32 84 23 00-0275	EA	Spread Spectrum Yagi Antenna (Calsense SR-YAGI)	940.04	99.60
32 84 23 00-0276	EA	Spread Spectrum And Calsense Radio, Remote Dome Antenna (Calsense SR-DOME-RR)	576.75	49.81
32 84 23 00-0277	EA	Spread Spectrum And Calsense Radio, Enhanced Remote Dome Antenna (Calsense SR-DOME-RRE)	576.75	49.81
32 84 23 00-0278	EA	Spread Spectrum Stubby Antenna (Calsense SR-STUBBY)	576.75	49.81
32 84 23 00-0279	EA	WiFi Stubby Antenna (Calsense WEN-STUBBY)	576.75	49.81
32 84 23 00-0280	LF	Antenna Cable With End Connectors (Calsense LMR-400-DB)	15.76	0.60
32 84 23 00-0281	EA	Surge Protection Device For Antenna (Calsense ANT-PROT)	577.18	24.90
32 84 23 00-0282	EA	5' High, Non-Penetrating, Antenna Tripod Mount (Calsense ANT-TRIP5)	940.89	49.81
32 84 23 00-0283	EA	3' Antenna Stand Off Mount For 3" Maximum Tower Leg (Calsense ANT-SOM)	816.17	
32 84 23 00-0284	EA	Local Radio Frequency Filter (Calsense LR-FILTER)	1,155.20	
32 84 23 00-0285	EA	Spread Spectrum Frequency Filter (Calsense SR-FILTER)	853.84	

32 84 23 00-0286 Pedestals And Enclosures For Irrigation Controllers *(32 84 23 00-0225)*

32 84 23 00-0287	EA	15 Amperes, Circuit Breaker With Enclosure For Irrigation Controllers (Calsense SSE-BREAKER)	526.11	74.71
32 84 23 00-0288	EA	Standard Gray Powder Coated Stainless Steel Controller Enclosure (Calsense C-BOX)	1,276.37	124.51
32 84 23 00-0289	EA	Indoor Wall Mount, Stainless Steel Back Panel (Calsense SSBP) Note: Includes GFI and receptacle.	1,418.03	49.81
32 84 23 00-0290	EA	Standard Gray Powder Coated Stainless Steel Pedestal (Calsense PD-1) Note: Includes factory installed transient protection board and AC line protection.	1,694.50	37.35
32 84 23 00-0291	EA	Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE) Note: Includes factory installed transient protection board and AC line protection.	5,312.48	37.35
32 84 23 00-0292	EA	Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-R) Note: Includes factory installed transient protection board, AC line protection and dome antenna.	6,001.38	37.35
32 84 23 00-0293	EA	Double-Wide Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-D) Note: Includes factory installed transient protection boards and AC line protection. Pre-wired for two controllers.	8,707.24	74.71
32 84 23 00-0294	EA	Double-Wide Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-D-R) Note: Includes factory installed transient protection boards, AC line protection and dome antenna. Pre-wired for two controllers.	9,126.74	74.71
32 84 23 00-0295	EA	Bolt Mounting Template For Heavy-Duty Stainless Steel Enclosures (Calsense SSE-CAM)	298.86	
32 84 23 00-0296	EA	Stainless Steel Fully Enclosed Riser For Calsense SSE Enclosures (Calsense SSE-PED)	966.22	

32 84 23 00-0297 Central Computer For Irrigation Control Systems *(32 84 23 00-0225)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0298	EA	Central Computer For Irrigation Control Systems (Calsense COMP-2) Note: Includes a minimum of 133 MHz Pentium, 32 Meg Ram, 1.2 GB hard drive, 14.4 modem and a printer. Excludes Command Center Water Management software.	6,697.47	
32 84 23 00-0299	EA	Command Center Water Management Software For Central Computer (Calsense COMM-1)	11,857.05	
32 84 23 00-0300	EA	Up To 5 Simultaneous Users Capacity, Calsense Advantage Client/Server Database Add-On (Calsense CS-5) Note: Package price for up to 5 users. Includes remote communication through internet connection.	2,275.73	
32 84 23 00-0301	EA	>5 To 10 Simultaneous Users Capacity, Calsense Advantage Client/Server Database Add-On (Calsense CS-10) Note: Package price for 6 to 10 users. Includes remote communication through internet connection.	4,481.73	
32 84 23 00-0302	EA	Data Logger With Phone Modem For Irrigation Control Systems (Calsense DL-2)	7,216.35	
32 84 23 00-0303	EA	GPRS Radio For Use At Central Computer (Calsense DTR-G)	4,314.87	

32 84 23 00-0304 Data Access Service *(32 84 23 00-0225)*

32 84 23 00-0305	EA	1 Month, Data Access Plan For Up To 2 Controllers (Calsense COMM-1MN) Note: For communication between GPRS unit and up to 2 controllers.	36.53	
32 84 23 00-0306	EA	1 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-1YR) Note: For communication between GPRS unit and up to 2 controllers.	399.52	
32 84 23 00-0307	EA	5 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-5YR) Note: For communication between GPRS unit and up to 2 controllers.	1,712.25	
32 84 23 00-0308	EA	1 Month, Data Access Plan For Up To 2 Controllers (Calsense COMM-1MN-M) Note: For communication between GPRS unit and multiple controllers.	148.40	
32 84 23 00-0309	EA	1 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-1YR-M) Note: For communication between GPRS unit and multiple controllers.	1,598.10	
32 84 23 00-0310	EA	5 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-5YR-M) Note: For communication between GPRS unit and multiple controllers.	6,849.00	

32 84 23 00-0311 Communication Options For Irrigation Controllers *(32 84 23 00-0225)*

32 84 23 00-0312	EA	FCC License Fee (Calsense)	243.87	
32 84 23 00-0313	EA	P.C.I.A. And/or A.P.C.O. Fee (Calsense) Note: Per frequency or frequency pair.	472.17	
32 84 23 00-0314	EA	Hardware Communication Option For Irrigation Controllers (Calsense M) Note: Allows multiple controllers to be chained together via a communications cable and share one phone line.	1,324.14	
32 84 23 00-0315	EA	Phone Line Communication Option For Irrigation Controllers (Calsense R)	1,392.63	
32 84 23 00-0316	EA	Ethernet Communication Option For Irrigation Controllers (Calsense EN)	1,392.63	
32 84 23 00-0317	EA	WiFi Communication Option For Irrigation Controllers (Calsense WEN)	2,853.75	
32 84 23 00-0318	EA	Local Radio Communication Option For Irrigation Controllers (Calsense LR)	3,629.97	
32 84 23 00-0319	EA	Spread Spectrum Radio Communication Option For Irrigation Controllers (Calsense SR)	3,629.97	
32 84 23 00-0320	EA	GPRS Radio Modem Communication Option For Irrigation Controllers (Calsense GR)	3,629.97	
32 84 23 00-0321	EA	Fiber Optic Modem Communication Option For Irrigation Controllers (Calsense FOM)	11,643.30	
32 84 23 00-0322	EA	Communication Hub For Irrigation Controllers (Calsense HUB) Note: Accepts up to two communication options. Excludes communication options.	4,484.54	

32 84 23 00-0323 Retrofit Options For Irrigation Controllers *(32 84 23 00-0225)*

32 84 23 00-0324 Weather Retrofits For Irrigation Controllers *(32 84 23 00-0323)*

32 84 23 00-0325	EA	Add One Flow Sensor Interface To An Existing Calsense Controller (Calsense F-RETRO)	1,777.60	
32 84 23 00-0326	EA	Add One ET Gage Interface To An Existing Calsense Controller (Calsense G-RETRO)	1,777.60	
32 84 23 00-0327	EA	Add One Tipping Rain Bucket Interface To An Existing Calsense Controller (Calsense RB-RETRO)	1,777.60	
32 84 23 00-0328	EA	Add One Wind Gage Interface To An Existing Calsense Controller (Calsense WG-RETRO)	1,777.60	

32 84 23 00-0329 Phone Communication Retrofits For Irrigation Controllers *(32 84 23 00-0323)*

32 84 23 00-0330	EA	Add The Ability To Chain To Another Calsense Controller With The Phone Line Communication Option And Share One Phone Line (Calsense M-RETRO)	1,868.92	
32 84 23 00-0331	EA	Add The Phone Line Communication Option To An Existing Calsense Controller (Calsense R-RETRO)	2,211.38	
32 84 23 00-0332	EA	Add The Phone Line Communication Option And The Ability To Chain To Another Calsense Controller And Share One Phone Line (Calsense MLR-RETRO)	3,546.93	

32 84 23 00-0333 Local Radio Communication Retrofits For Irrigation Controllers *(32 84 23 00-0323)*

32 84 23 00-0334	EA	Add The Ability To Chain To Another Calsense Controller With The Local Radio Communication Option And Share One Local Radio (Calsense ML-RETRO)	2,097.22	
32 84 23 00-0335	EA	Add The Local Radio Communication Option To An Existing Calsense Controller (Calsense LR-RETRO)	4,425.88	
32 84 23 00-0336	EA	Add The Local Radio Communication Option And The Ability To Chain To Another Calsense Controller And Share One Local Radio (Calsense MLR-RETRO)	5,750.02	

32 84 23 00-0337 Spread Spectrum Radio Communication Retrofits For Irrigation Controllers *(32 84 23 00-0323)*

32 84 23 00-0338	EA	Add The Ability To Chain To Another Calsense Controller With The Spread Spectrum Radio Communication Option And Share One Spread Spectrum Radio (Calsense MS-Retro)	2,097.22	
32 84 23 00-0339	EA	Add The Spread Spectrum Radio Communication Option To An Existing Calsense Controller (Calsense SR-RETRO)	4,425.88	
32 84 23 00-0340	EA	Add The Spread Spectrum Radio Communication Option And The Ability To Chain To Another Calsense Controller And Share One Spread Spectrum Radio (Calsense MSR-RETRO)	5,750.02	

32 84 23 00-0341 Ethernet Communication Retrofits For Irrigation Controllers *(32 84 23 00-0323)*

32 84 23 00-0342	EA	Add The Ability To Chain To Another Calsense Controller With The Ethernet Communication Option And Share One Ethernet Device (Calsense ME-Retro)	2,097.22	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0343	EA	Add The Ethernet Communication Option To An Existing Calsense Controller (Calsense EN-RETRO)	2,211.38	
32 84 23 00-0344	EA	Add The Ethernet Communication Option And The Ability To Chain To Another Calsense Controller And Share One Ethernet Device (Calsense MEN-RETRO)	3,546.93	
32 84 23 00-0345		**GPRS Radio Modem Communication Retrofits For Irrigation Controllers** *(32 84 23 00-0323)*		
32 84 23 00-0346	EA	Add The Ability To Chain To Another Calsense Controller With The GPRS Communication Option And Share One GPRS Modem (Calsense MG-RETRO)	2,097.22	
32 84 23 00-0347	EA	Add The GPRS Communication Option To An Existing Calsense Controller (Calsense GR-RETRO)	4,425.88	
32 84 23 00-0348	EA	Add The GPRS Communication Option And The Ability To Chain To Another Calsense Controller And Share One GPRS Modem (Calsense MGR-RETRO)	5,750.02	
32 84 23 00-0349		**Radio Remote Units For Irrigation Controllers** *(32 84 23 00-0225)*		
32 84 23 00-0350	EA	Enhanced Radio Remote Hand-Held Transmitter With Carry Case (Calsense RRe-TRAN)	2,108.64	
32 84 23 00-0351	EA	Calsense Integrated Radio Remote Receiver Board (Calsense RR/RRe) Note: Includes polyvinyl chloride (PVC) stick antenna. Excludes antenna cable.	452.03	
32 84 23 00-0352	EA	Wall Mount Charger For Hand-Held Transmitter (Calsense RRTRAN-CHG)	194.06	
32 84 23 00-0353	EA	Removal And Replacement Of Battery For Hand-Held Transmitter (Calsense RRTRAN-BAT)	344.52	
32 84 23 00-0354	EA	Polyvinyl Chloride (PVC) Stick Antenna For Radio Remote Receiver Board (Calsense RR-ANT) Note: Excludes antenna cable.	218.96	12.45
32 84 23 00-0355	EA	Whip Antenna For Radio Remote Receiver Board (Calsense RRe-WHIP) Note: Excludes antenna cable.	424.42	12.45
32 84 23 00-0356	EA	Dome Antenna For Radio Remote Receiver Board (Calsense RR-Dome/RRe-Dome) Note: Excludes antenna cable.	458.67	12.45
32 84 23 00-0357		**Hydro-Safe WeatherTrak Controllers** *(32 84 23 00-0120)*		
32 84 23 00-0358		**Front Entry Pedestal Irrigation Controllers** *(32 84 23 00-0357)* Note: HydroPoint WeatherTrak ETPro2 Commercial controller assembly in StrongBox SB-18SS enclosure.		
32 84 23 00-0359	EA	12 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS1-WTPRO2SC12S)	9,003.27	124.51
32 84 23 00-0360	EA	18 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS1-WTPRO2SC18S)	9,583.66	124.51
32 84 23 00-0361	EA	24 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS1-WTPRO2SC24S)	10,188.94	136.96
32 84 23 00-0362	EA	30 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS1-WTPRO2SC30S)	10,890.25	136.96
32 84 23 00-0363	EA	36 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS1-WTPRO2SC36S)	11,470.64	136.96
32 84 23 00-0364	EA	42 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS1-WTPRO2SC42S)	12,051.76	149.41
32 84 23 00-0365	EA	48 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS1-WTPRO2SC48S)	12,632.15	149.41
32 84 23 00-0366		**Back-to-Back Dual Irrigation Controllers** *(32 84 23 00-0357)* Note: HydroPoint WeatherTrak ETPro2 Dual back-to-back controller assembly in StrongBox SB-18DSS enclosure.		
32 84 23 00-0367	EA	12+18 Back-to-back Dual Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS5-WTPRO2SC1218S)	16,622.34	149.41
32 84 23 00-0368	EA	12+24 Back-to-back Dual Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS5-WTPRO2SC1224S)	17,178.55	149.41
32 84 23 00-0369	EA	12+36 Back-to-back Dual Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS5-WTPRO2SC1236S)	18,427.54	169.33
32 84 23 00-0370	EA	12+42 Back-to-back Dual Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS5-WTPRO2SC1242S)	19,080.48	169.33
32 84 23 00-0371	EA	18+24 Back-to-back Dual Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS5-WTPRO2SC1824S)	17,758.95	149.41
32 84 23 00-0372	EA	18+36 Back-to-back Dual Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS5-WTPRO2SC1836S)	19,080.48	169.33
32 84 23 00-0373	EA	18+42 Back-to-back Dual Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS5-WTPRO2SC1842S)	19,660.88	169.33
32 84 23 00-0374	EA	24+24 Back-to-back Dual Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS5-WTPRO2SC2424S)	18,379.18	169.33
32 84 23 00-0375	EA	24+36 Back-to-back Dual Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS5-WTPRO2SC2436S)	19,660.88	169.33
32 84 23 00-0376	EA	24+42 Back-to-back Dual Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS5-WTPRO2SC2442S)	20,256.94	189.26
32 84 23 00-0377	EA	36+36 Back-to-back Dual Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS5-WTPRO2SC3636S)	20,982.43	189.26
32 84 23 00-0378	EA	36+42 Back-to-back Dual Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS5-WTPRO2SC3642S)	21,538.63	189.26
32 84 23 00-0379	EA	42+42 Back-to-back Dual Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS5-WTPRO2SC4242S)	22,158.87	209.17
32 84 23 00-0380		**Wall Mount/Retrofit Mount Irrigation Controllers** *(32 84 23 00-0357)* Note: HydroPoint WeatherTrak ETPro2 wall mount / retrofit controller assembly.		
32 84 23 00-0381	EA	12 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS718-WTPRO2SC12S)	5,496.73	124.51
32 84 23 00-0382	EA	18 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS718-WTPRO2SC18S)	5,980.39	124.51
32 84 23 00-0383	EA	24 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS718-WTPRO2SC24S)	6,585.67	136.96
32 84 23 00-0384	EA	30 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS718-WTPRO2SC30S)	7,286.98	136.96
32 84 23 00-0385	EA	36 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS718-WTPRO2SC36S)	7,867.37	136.96
32 84 23 00-0386	EA	42 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS718-WTPRO2SC42S)	8,472.67	149.41
32 84 23 00-0387		**Top Mount Irrigation Controllers** *(32 84 23 00-0357)* Note: HydroPoint WeatherTrak ETPro2 stainless steel top mount controller assembly.		
32 84 23 00-0388	EA	12 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS16-WTPRO2SC12S)	9,583.66	124.51
32 84 23 00-0389	EA	18 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS16-WTPRO2SC18S)	10,164.05	124.51
32 84 23 00-0390	EA	24 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS16-WTPRO2SC24S)	10,793.51	136.96
32 84 23 00-0391	EA	30 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS16-WTPRO2SC30S)	11,470.64	136.96
32 84 23 00-0392	EA	36 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS16-WTPRO2SC36S)	12,051.03	136.96
32 84 23 00-0393	EA	42 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS16-WTPRO2SC42S)	12,656.33	149.41
32 84 23 00-0394	EA	48 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS16-WTPRO2SC48S)	13,212.54	149.41
32 84 23 00-0395		**Wall Mount Irrigation Controllers** *(32 84 23 00-0357)* Note: HydroPoint WeatherTrak ETPro2 stainless steel wall mount controller assembly.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0396	EA	12 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS7-WTPRO2SC12S)	7,092.81	124.51
32 84 23 00-0397	EA	18 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS7-WTPRO2SC18S)	7,673.20	124.51
32 84 23 00-0398	EA	24 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS7-WTPRO2SC24S)	8,278.48	136.96
32 84 23 00-0399	EA	30 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS7-WTPRO2SC30S)	8,979.79	136.96
32 84 23 00-0400	EA	36 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS7-WTPRO2SC36S)	9,560.18	136.96
32 84 23 00-0401	EA	42 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS7-WTPRO2SC42S)	10,165.48	149.41
32 84 23 00-0402	EA	48 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS7-WTPRO2SC48S)	10,721.69	149.41
32 84 23 00-0403		**Accessories** *(32 84 23 00-0357)*		
32 84 23 00-0404	EA	WeatherTRAK Central Internet Management Upgrade (HydroPoint WTEXB-PRO2-CIM)	2,634.97	
32 84 23 00-0405	EA	Central Pancake Antenna (HydroPoint ANT-GRPS-PC)	404.43	
32 84 23 00-0406	EA	Central Antenna Amplifier Kit (HydroPoint ANT-AMP-C-Kit)	3,312.10	
32 84 23 00-0407	EA	Central Antenna Amplifier Kit With YAGI Antenna (HydroPoint ANT-AMP-C-Yagi-Kit)	4,339.87	
32 84 23 00-0408	EA	6-Station Key - ET PRO2 Smart Water Manager Series (HydroPoint WTPRO2S-6STA-KEY)	823.38	
32 84 23 00-0409	EA	24-Station Output Board - ET PRO2 Smart Water Manager Series (HydroPoint WTPRO2S-STA-EXT-BRD)	1,208.18	
32 84 23 00-0410		**Satellite Irrigation Controllers (Rain Bird® ESP-SAT)** *(32 84 23 00-0120)* Note: Satellite controllers compatible with Maxi-Con Central Control. Includes link communication with SEMET at the controller and stainless steel cabinet. Excludes concrete pad.		
32 84 23 00-0411	EA	12 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP12SATLS)	4,945.17	224.12
32 84 23 00-0412	EA	24 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP24SATLS)	5,215.13	236.57
32 84 23 00-0413	EA	40 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP40SATLS)	7,244.14	249.02
32 84 23 00-0414		**LEIT Controllers** *(32 84 23 00-0120)*		
32 84 23 00-0415		**LEIT X Series Irrigation Controller** *(32 84 23 00-0414)*		
32 84 23 00-0416	EA	10 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series)	4,649.78	39.85
32 84 23 00-0417	EA	12 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series)	5,101.80	39.85
32 84 23 00-0418	EA	16 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series)	5,839.61	39.85
32 84 23 00-0419	EA	20 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series)	6,577.42	39.85
32 84 23 00-0420	EA	24 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series)	7,099.17	39.85
32 84 23 00-0421	EA	28 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series)	7,620.92	39.85
32 84 23 00-0422		**LEIT X Series Irrigation Controller Assembly** *(32 84 23 00-0414)* Note: Includes excavation and concrete for footing, 2" diameter galvanized steel pole (minimum 18" bury), 2" sweeps, controller, and number 5 concrete box with non-traffic rated lid per detail.		
32 84 23 00-0423	EA	10 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole	5,262.57	205.86
32 84 23 00-0424	EA	12 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole	5,714.60	205.86
32 84 23 00-0425	EA	16 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole	6,452.40	205.86
32 84 23 00-0426	EA	20 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole	7,190.22	205.86
32 84 23 00-0427	EA	24 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole	7,711.97	205.86
32 84 23 00-0428	EA	28 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole	8,233.72	205.86
32 84 23 00-0429		**Enclosure For LEIT Controller Assembly** *(32 84 23 00-0414)* Note: Includes mounting bolts to concrete foundation and installation of enclosure per detail.		
32 84 23 00-0430	EA	12" x 12" x 54" Milled Steel, #9 Expanded Metal, Painted Per Detail, Enclosure With Access Hatch Note: For LEIT Controller	3,546.80	267.33
32 84 23 00-0431		**Hunter Controllers** *(32 84 23 00-0120)*		
32 84 23 00-0432		**Hunter XC Hybrid Controller** *(32 84 23 00-0431)* Note: Operates DC latching solenoids with battery power or a plug in 24 VAC transformer. Includes 6 AA batteries, outdoor stainless steel enclosure and installation of controller in Irrigation Controller Enclosure.		
32 84 23 00-0433	EA	6 Station Hybrid Irrigation Controller With Stainless Steel Enclosure (Hunter XCH-600-SS)	771.66	99.60
32 84 23 00-0434	EA	12 Station Hybrid Irrigation Controller With Stainless Steel Enclosure (Hunter XCH-1200-SS)	981.80	124.51
32 84 23 00-0435		**DC Latching Solenoid** *(32 84 23 00-0120)*		
32 84 23 00-0436	EA	DC Latching Solenoid (Micro Power Solenoid) For Non-LEIT Controllers Note: As per manufacture of valve.	43.51	
32 84 23 00-0437	EA	DC Solenoid For LEIT Controllers (DIG S-305DC)	67.84	
32 84 23 00-0438		**Irrigation Controller Enclosure Cabinet** *(32 84 23 00-0120)* Note: Includes excavation, installation of concrete foundation, mounting bolts, sweeps, number 5 concrete pull box with non-traffic rated lid and installation of enclosure per detail.		
32 84 23 00-0439	EA	35" (H) x 18" (W) x 12" (D), 12 Gauge Cold Rolled Steel Irrigation Controller Enclosure Cabinet, Powdercoated (Tan)	3,431.74	547.47
32 84 23 00-0440	EA	35" (H) x 24" (W) x 12" (D), 12 Gauge Cold Rolled Steel Irrigation Controller Enclosure Cabinet, Powdercoated (Tan)	3,702.64	597.24
32 84 23 00-0441	EA	35" (H) x 36" (W) x 12" (D), 12 Gauge Cold Rolled Steel Irrigation Controller Enclosure Cabinet, Powdercoated (Tan)	4,091.03	647.00
32 84 23 00-0442	EA	35" (H) x 18" (W) x 12" (D), 0.125" 5052-H-32 Aluminum Irrigation Controller Enclosure Cabinet,	3,431.77	547.47
32 84 23 00-0443	EA	35" (H) x 24" (W) x 12" (D), 0.125" 5052-H-32 Aluminum Steel Irrigation Controller Enclosure Cabinet	3,702.64	597.24
32 84 23 00-0444	EA	35" (H) x 36" (W) x 12" (D), 0.125" 5052-H-32 Aluminum Steel Irrigation Controller Enclosure Cabinet	4,091.03	647.00
32 84 23 00-0445	EA	35" (H) x 18" (W) x 12" (D), Type 304 Stainless Steel Irrigation Controller Enclosure Cabinet	4,258.77	547.47

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0446	EA	35" (H) x 24" (W) x 12" (D), Type 304 Stainless Steel Irrigation Controller Enclosure Cabinet	4,633.01	597.24
32 84 23 00-0447	EA	35" (H) x 36" (W) x 12" (D), Type 304 Stainless Steel Irrigation Controller Enclosure Cabinet	5,021.40	647.00
32 84 23 00-0448		**Irrigation Valves** *(32 84 23)*		
32 84 23 00-0449		**Reduced Pressure Zone Valves With QT Shut-Offs** *(32 84 23 00-0448)* Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series).		
32 84 23 00-0450	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series)	909.85	44.48
32 84 23 00-0451	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	1,078.98	54.32
32 84 23 00-0452	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	1,637.61	63.21
32 84 23 00-0453	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	1,729.44	72.57
32 84 23 00-0454	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	2,072.44	93.64
32 84 23 00-0455		**Brass Quick-Coupling Irrigation Valves** *(32 84 23 00-0448)*		
32 84 23 00-0456	EA	3/4", 1-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 3RC)	189.30	38.80
		For Valve Key, Add	*59.19*	
32 84 23 00-0457	EA	3/4", 2-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 33DRC)	196.15	38.80
		For Locking Cover, Add	*25.00*	
		For Valve Key, Add	*59.19*	
32 84 23 00-0458	EA	1", 1-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 44RC)	271.44	38.80
		For Valve Key, Add	*151.39*	
32 84 23 00-0459	EA	1", 2-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 44LRC)	298.82	38.80
		For Valve Key, Add	*151.39*	
32 84 23 00-0460	EA	1", 1-Piece Brass Body, Non-Potable (Purple) Quick-Coupling Irrigation Valve (Rain Bird® 5NP)	285.93	38.80
32 84 23 00-0461	EA	1", 2-Piece Brass Body, Non-Potable (Purple) Quick-Coupling Irrigation Valve (Rain Bird® 44NP)	298.82	38.80
32 84 23 00-0462		**Anti-Siphon Pressure Type Vacuum Breaker** *(32 84 23 00-0448)* Note: Pressure: 15 to 150 PSI, temperature: 33 to 140 degrees Fahrenheit.		
32 84 23 00-0463	EA	3/4" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT)	311.62	32.77
32 84 23 00-0464	EA	1" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT)	448.86	37.45
32 84 23 00-0465	EA	1-1/4" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT)	820.14	43.31
32 84 23 00-0466	EA	1-1/2" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT)	999.45	47.99
32 84 23 00-0467	EA	2" Anti-Siphon Pressure Type Vacuum Breaker	1,005.84	58.53
32 84 23 00-0468		**Aluminum Cam And Groove Adapter** *(32 84 23 00-0448)*		
32 84 23 00-0469	EA	1-1/2" Type A Aluminum Cam And Groove Male Adapter x 1-1/2" NPT Female Pipe Thread	42.47	
32 84 23 00-0470	EA	2" Type A Aluminum Cam And Groove Male Adapter x 2" NPT Female Pipe Thread	44.86	
32 84 23 00-0471	EA	1-1/2" Type F Aluminum Cam And Groove Male Adapter x 1-1/2" NPT Male Pipe Thread	43.77	
32 84 23 00-0472	EA	2" Type F Aluminum Cam And Groove Male Adapter x 2" NPT Male Pipe Thread	47.30	
32 84 23 00-0473		**Manual Sprinkler Control Valves** *(32 84 23 00-0448)*		
32 84 23 00-0474	EA	3/4" Manual Sprinkler Control Valves, With Union	102.90	31.60
32 84 23 00-0475	EA	1" Manual Sprinkler Control Valves, With Union	125.44	33.95
32 84 23 00-0476	EA	1-1/4" Manual Sprinkler Control Valves, With Union	193.72	42.96
32 84 23 00-0477	EA	1-1/2" Manual Sprinkler Control Valves, With Union	229.84	49.52
32 84 23 00-0478	EA	2" Manual Sprinkler Control Valves, With Union	309.49	58.53
32 84 23 00-0479		**Irrigation Piping** *(32 84 23)*		
32 84 23 00-0480		**Irrigation Piping With Fittings, On Grade With Pipe Stabilizers** *(32 84 23 00-0479)* Note: Install stabilizers every 20', at change of direction and at sprinkler heads less than 12" tall.		
32 84 23 00-0481		**Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, On Grade With Pipe Stabilizers** *(32 84 23 00-0480)*		
32 84 23 00-0482	LF	1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	3.31	1.08
		For >1,000, Deduct	*-0.17*	
32 84 23 00-0483	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	4.04	1.35
		For >1,000, Deduct	*-0.20*	
32 84 23 00-0484	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	4.89	1.62
		For >1,000, Deduct	*-0.24*	
32 84 23 00-0485	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	6.49	2.04
		For >1,000, Deduct	*-0.32*	
32 84 23 00-0486	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	8.15	2.57
		For >1,000, Deduct	*-0.41*	
32 84 23 00-0487	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	10.48	2.99
		For >1,000, Deduct	*-0.52*	
32 84 23 00-0488	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	14.32	4.31
		For >1,000, Deduct	*-0.72*	
32 84 23 00-0489	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	18.77	5.39
		For >1,000, Deduct	*-0.94*	
32 84 23 00-0490	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	27.08	6.74
		For >1,000, Deduct	*-1.35*	

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LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 84 23 00-0491 Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, On Grade With Pipe Stabilizers *(32 84 23 00-0480)*

32 84 23 00-0492	LF	3/4" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers	3.78	1.35
		For >1,000, Deduct	*-0.19*	
32 84 23 00-0493	LF	1" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers	4.47	1.62
		For >1,000, Deduct	*-0.22*	
32 84 23 00-0494	LF	1-1/2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers	6.20	2.04
		For >1,000, Deduct	*-0.31*	
32 84 23 00-0495	LF	2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers	7.91	2.57
		For >1,000, Deduct	*-0.40*	
32 84 23 00-0496	LF	2-1/2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers	10.10	2.99
		For >1,000, Deduct	*-0.51*	
32 84 23 00-0497	LF	3" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	14.17	4.31
		For >1,000, Deduct	*-0.71*	
32 84 23 00-0498	LF	4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	19.56	5.39
		For >1,000, Deduct	*-0.98*	
32 84 23 00-0499	LF	6" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	32.05	6.74
		For >1,000, Deduct	*-1.60*	

32 84 23 00-0500 Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, On Grade With Pipe Stabilizers *(32 84 23 00-0480)*

32 84 23 00-0501	LF	3/4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	4.00	1.35
		For >1,000, Deduct	*-0.20*	
32 84 23 00-0502	LF	1" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	4.75	1.62
		For >1,000, Deduct	*-0.24*	
32 84 23 00-0503	LF	1-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	6.75	2.04
		For >1,000, Deduct	*-0.34*	
32 84 23 00-0504	LF	2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	8.82	2.57
		For >1,000, Deduct	*-0.44*	
32 84 23 00-0505	LF	2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	11.56	2.99
		For >1,000, Deduct	*-0.58*	
32 84 23 00-0506	LF	3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	14.32	4.31
		For >1,000, Deduct	*-0.72*	
32 84 23 00-0507	LF	4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	18.77	5.39
		For >1,000, Deduct	*-0.94*	
32 84 23 00-0508	LF	6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	27.56	6.74
		For >1,000, Deduct	*-1.38*	

32 84 23 00-0509 Irrigation Piping With Fittings, Trenching, Cover, Backfilled And Compacted

(32 84 23 00-0479)

Note: Install thrust blocks per Caltrans details for 3" piping and larger, upstream of remote control valve.

32 84 23 00-0510 Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 12" Of Cover, Backfilled And Compacted *(32 84 23 00-0509)*

32 84 23 00-0511	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	6.14	1.35
		For >1,000, Deduct	*-0.31*	
32 84 23 00-0512	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	7.00	1.62
		For >1,000, Deduct	*-0.35*	
32 84 23 00-0513	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	8.60	2.04
		For >1,000, Deduct	*-0.43*	
32 84 23 00-0514	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	10.26	2.57
		For >1,000, Deduct	*-0.51*	
32 84 23 00-0515	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	12.59	2.99
		For >1,000, Deduct	*-0.63*	
32 84 23 00-0516	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	16.42	4.31
		For >1,000, Deduct	*-0.82*	
32 84 23 00-0517	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	20.88	5.39
		For >1,000, Deduct	*-1.04*	
32 84 23 00-0518	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	29.18	6.74
		For >1,000, Deduct	*-1.46*	

32 84 23 00-0519 Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 18" Of Cover, Backfilled And Compacted *(32 84 23 00-0509)*

32 84 23 00-0520	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	6.39	1.35
		For >1,000, Deduct	*-0.32*	
32 84 23 00-0521	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	7.26	1.62
		For >1,000, Deduct	*-0.36*	
32 84 23 00-0522	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	8.85	2.04
		For >1,000, Deduct	*-0.44*	
32 84 23 00-0523	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	10.51	2.57
		For >1,000, Deduct	*-0.53*	
32 84 23 00-0524	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	12.85	2.99
		For >1,000, Deduct	*-0.64*	
32 84 23 00-0525	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	16.69	4.31
		For >1,000, Deduct	*-0.83*	
32 84 23 00-0526	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	21.14	5.39
		For >1,000, Deduct	*-1.06*	
32 84 23 00-0527	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	29.43	6.74
		For >1,000, Deduct	*-1.47*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 84 23 00-0528 Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 24" Of Cover, Backfilled And Compacted *(32 84 23 00-0509)*

32 84 23 00-0529	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	6.65	1.35
		For >1,000, Deduct	*-0.33*	
32 84 23 00-0530	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	7.52	1.62
		For >1,000, Deduct	*-0.38*	
32 84 23 00-0531	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	9.12	2.04
		For >1,000, Deduct	*-0.46*	
32 84 23 00-0532	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	10.77	2.57
		For >1,000, Deduct	*-0.54*	
32 84 23 00-0533	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	13.10	2.99
		For >1,000, Deduct	*-0.66*	
32 84 23 00-0534	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	16.94	4.31
		For >1,000, Deduct	*-0.85*	
32 84 23 00-0535	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	21.39	5.39
		For >1,000, Deduct	*-1.07*	
32 84 23 00-0536	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	29.69	6.74
		For >1,000, Deduct	*-1.48*	

32 84 23 00-0537 Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 12" Of Cover, Backfilled And Compacted *(32 84 23 00-0509)*

32 84 23 00-0538	LF	3/4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	6.01	1.35
		For >1,000, Deduct	*-0.30*	
32 84 23 00-0539	LF	1" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	6.78	1.62
		For >1,000, Deduct	*-0.34*	
32 84 23 00-0540	LF	1-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	8.62	2.04
		For >1,000, Deduct	*-0.43*	
32 84 23 00-0541	LF	2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	10.70	2.57
		For >1,000, Deduct	*-0.54*	
32 84 23 00-0542	LF	2-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	13.31	2.99
		For >1,000, Deduct	*-0.67*	
32 84 23 00-0543	LF	3" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	16.28	4.31
		For >1,000, Deduct	*-0.81*	
32 84 23 00-0544	LF	4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	21.67	5.39
		For >1,000, Deduct	*-1.08*	
32 84 23 00-0545	LF	6" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	34.16	6.74
		For >1,000, Deduct	*-1.71*	

32 84 23 00-0546 Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 18" Of Cover, Backfilled And Compacted *(32 84 23 00-0509)*

32 84 23 00-0547	LF	3/4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	6.26	1.35
		For >1,000, Deduct	*-0.31*	
32 84 23 00-0548	LF	1" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	7.04	1.62
		For >1,000, Deduct	*-0.35*	
32 84 23 00-0549	LF	1-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	8.87	2.04
		For >1,000, Deduct	*-0.44*	
32 84 23 00-0550	LF	2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	10.95	2.57
		For >1,000, Deduct	*-0.55*	
32 84 23 00-0551	LF	2-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	13.57	2.99
		For >1,000, Deduct	*-0.68*	
32 84 23 00-0552	LF	3" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	16.55	4.31
		For >1,000, Deduct	*-0.83*	
32 84 23 00-0553	LF	4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	21.93	5.39
		For >1,000, Deduct	*-1.10*	
32 84 23 00-0554	LF	6" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	34.41	6.74
		For >1,000, Deduct	*-1.72*	

32 84 23 00-0555 Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 24" Of Cover, Backfilled And Compacted *(32 84 23 00-0509)*

32 84 23 00-0556	LF	3/4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	6.52	1.35
		For >1,000, Deduct	*-0.33*	
32 84 23 00-0557	LF	1" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	7.30	1.62
		For >1,000, Deduct	*-0.37*	
32 84 23 00-0558	LF	1-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 124" Of Cover, Backfilled And Compacted	9.14	2.04
		For >1,000, Deduct	*-0.46*	
32 84 23 00-0559	LF	2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	11.21	2.57
		For >1,000, Deduct	*-0.56*	
32 84 23 00-0560	LF	2-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	13.82	2.99
		For >1,000, Deduct	*-0.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0561	LF	3" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	16.80	4.31
		For >1,000, Deduct	*-0.84*	
32 84 23 00-0562	LF	4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	22.18	5.39
		For >1,000, Deduct	*-1.11*	
32 84 23 00-0563	LF	6" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	34.67	6.74
		For >1,000, Deduct	*-1.73*	

32 84 23 00-0564 Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 12" Of Cover, Backfilled And Compacted *(32 84 23 00-0509)*

32 84 23 00-0565	LF	3/4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	6.10	1.35
		For >1,000, Deduct	*-0.31*	
32 84 23 00-0566	LF	1" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	6.86	1.62
		For >1,000, Deduct	*-0.34*	
32 84 23 00-0567	LF	1-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	8.85	2.04
		For >1,000, Deduct	*-0.44*	
32 84 23 00-0568	LF	2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	10.93	2.57
		For >1,000, Deduct	*-0.55*	
32 84 23 00-0569	LF	2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	13.68	2.99
		For >1,000, Deduct	*-0.68*	
32 84 23 00-0570	LF	3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	16.42	4.31
		For >1,000, Deduct	*-0.82*	
32 84 23 00-0571	LF	4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	20.88	5.39
		For >1,000, Deduct	*-1.04*	
32 84 23 00-0572	LF	6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	29.67	6.74
		For >1,000, Deduct	*-1.48*	

32 84 23 00-0573 Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 18" Of Cover, Backfilled And Compacted *(32 84 23 00-0509)*

32 84 23 00-0574	LF	3/4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	6.35	1.35
		For >1,000, Deduct	*-0.32*	
32 84 23 00-0575	LF	1" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	7.12	1.62
		For >1,000, Deduct	*-0.36*	
32 84 23 00-0576	LF	1-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	9.10	2.04
		For >1,000, Deduct	*-0.46*	
32 84 23 00-0577	LF	2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	11.18	2.57
		For >1,000, Deduct	*-0.56*	
32 84 23 00-0578	LF	2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	13.94	2.99
		For >1,000, Deduct	*-0.70*	
32 84 23 00-0579	LF	3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	16.69	4.31
		For >1,000, Deduct	*-0.83*	
32 84 23 00-0580	LF	4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	21.14	5.39
		For >1,000, Deduct	*-1.06*	
32 84 23 00-0581	LF	6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	29.92	6.74
		For >1,000, Deduct	*-1.50*	

32 84 23 00-0582 Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 24" Of Cover, Backfilled And Compacted *(32 84 23 00-0509)*

32 84 23 00-0583	LF	3/4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	6.61	1.35
		For >1,000, Deduct	*-0.33*	
32 84 23 00-0584	LF	1" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	7.38	1.62
		For >1,000, Deduct	*-0.37*	
32 84 23 00-0585	LF	1-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	9.37	2.04
		For >1,000, Deduct	*-0.47*	
32 84 23 00-0586	LF	2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	11.44	2.57
		For >1,000, Deduct	*-0.57*	
32 84 23 00-0587	LF	2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	14.19	2.99
		For >1,000, Deduct	*-0.71*	
32 84 23 00-0588	LF	3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	16.94	4.31
		For >1,000, Deduct	*-0.85*	
32 84 23 00-0589	LF	4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	21.39	5.39
		For >1,000, Deduct	*-1.07*	
32 84 23 00-0590	LF	6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	30.18	6.74
		For >1,000, Deduct	*-1.51*	

32 84 23 00-0591 Irrigation Riser Piping With Fittings *(32 84 23 00-0479)*

32 84 23 00-0592	EA	1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 6" Exposed, Type IV Note: Includes #4 steel reinforcing bar, stainless steel hose clamp	20.37	3.23

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0593	EA	3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 6" Exposed, Type IV Note: Includes #4 steel reinforcing bar, stainless steel hose clamp	21.83	4.04
32 84 23 00-0594	EA	1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 12" Exposed, Type IV Note: Includes #4 steel reinforcing bar, stainless steel hose clamp	21.69	3.78
32 84 23 00-0595	EA	3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 12" Exposed, Type IV Note: Includes #4 steel reinforcing bar, stainless steel hose clamp	23.50	4.71
32 84 23 00-0596	EA	1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 24" Exposed, Type I Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	43.55	5.66
32 84 23 00-0597	EA	3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 24" Exposed, Type I Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	46.10	7.07
32 84 23 00-0598	EA	1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 36" Exposed, Type I Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	51.08	7.27
32 84 23 00-0599	EA	3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 36" Exposed, Type I Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	54.36	9.10
32 84 23 00-0600	EA	1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 48" Exposed, Type I Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	58.61	8.89
32 84 23 00-0601	EA	3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 48" Exposed, Type I Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	62.63	11.12

32 84 23 00-0602 Irrigation Crossover Piping With Fittings *(32 84 23 00-0479)*

Note: Install per Caltrans details. Includes thrust blocks, HDPE sleeve pipe and fittings, 3" pvc irrigation piping and 1" electrical pvc conduit. Excludes #5 concrete irrigation pull boxes on ends, electrical control wiring. See CSI section 32 84 23 00-0105 for #5 concrete pull box, 32 84 23 00-0646 for irrigation wiring.

32 84 23 00-0603 Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 24" Open Trench *(32 84 23 00-0602)*

32 84 23 00-0604	LF	6" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation	39.07
		For >1,000, Deduct	*-1.95*
32 84 23 00-0605	LF	8" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation	54.94
		For >1,000, Deduct	*-2.75*
32 84 23 00-0606	LF	10" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation	75.47
		For >1,000, Deduct	*-3.77*
32 84 23 00-0607	LF	12" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation	99.46
		For >1,000, Deduct	*-4.97*

32 84 23 00-0608 Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 36" Open Trench *(32 84 23 00-0602)*

32 84 23 00-0609	LF	6" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation	39.84
		For >1,000, Deduct	*-1.99*
32 84 23 00-0610	LF	8" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation	55.80
		For >1,000, Deduct	*-2.79*
32 84 23 00-0611	LF	10" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation	76.42
		For >1,000, Deduct	*-3.82*
32 84 23 00-0612	LF	12" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation	100.49
		For >1,000, Deduct	*-5.02*

32 84 23 00-0613 Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 48" Open Trench *(32 84 23 00-0602)*

32 84 23 00-0614	LF	6" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 48" Open Trench Installation	40.62
		For >1,000, Deduct	*-2.03*
32 84 23 00-0615	LF	8" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation	56.66
		For >1,000, Deduct	*-2.83*
32 84 23 00-0616	LF	10" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation	77.37
		For >1,000, Deduct	*-3.87*
32 84 23 00-0617	LF	12" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation	101.52
		For >1,000, Deduct	*-5.08*

32 84 23 00-0618 Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), Directional Bore *(32 84 23 00-0602)*

32 84 23 00-0619	LF	6" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), Directional Bore Installation	100.35
		For >1,000, Deduct	*-5.02*
32 84 23 00-0620	LF	8" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), Directional Bore Installation	128.61
		For >1,000, Deduct	*-6.43*
32 84 23 00-0621	LF	10" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), Directional Bore Installation	155.24
		For >1,000, Deduct	*-7.76*
32 84 23 00-0622	LF	12" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), Directional Bore Installation	185.34
		For >1,000, Deduct	*-9.27*

32 84 23 00-0623 Below Ground Cam Adapter Assembly *(32 84 23 00-0479)*

Note: Includes minimum 6" depth gravel or crushed rock, woven wire cloth, jumbo valve box with 15" x 21.5" cover, 1-1/2" brass ball valve, 1-1/2" aluminum male cam adapter x female NPT, 1-1/2" PVC elbow, 2" PVC reducing tee, 30" PVC pipe

32 84 23 00-0624	EA	Below Ground Cam Adapter Assembly Note: Includes 6" depth gravel or crushed rock, woven wire cloth, jumbo valve box with 15" x 21.5" cover, 1-1/2" brass ball valve, 1-1/2" aluminum male cam adapter x female NPT, 1-1/2" PVC elbow, 2" PVC reducing tee, 30" PVC pipe.	735.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0625		**Above Ground Cam Adapter Assembly** *(32 84 23 00-0479)* Note: Includes concrete thrust block, 1-1/2" plastic ball valve, 1-1/2" aluminum male cam adapter x female NPT, 1-1/2" PVC elbow, 2" PVC reducing tee, 30" PVC pipe		
32 84 23 00-0626	EA	Above Ground Cam Adapter Assembly Note: Includes concrete thrust block, 1-1/2" plastic ball valve, 1-1/2" aluminum male cam adapter x female NPT, 1-1/2" PVC elbow, 2" PVC reducing tee, 30" PVC pipe.	452.53	
32 84 23 00-0627		**Thrust Block** *(32 84 23 00-0479)*		
32 84 23 00-0628	EA	Thrust Block For 1-1/2" Pipe Size And Smaller	39.23	
32 84 23 00-0629	EA	Thrust Block For 2" Pipe	67.45	
32 84 23 00-0630	EA	Thrust Block For 3" And 4" Pipe	95.66	
32 84 23 00-0631	EA	Thrust Block For 6" Pipe	152.85	
32 84 23 00-0632	EA	Thrust Block For 8" Pipe	217.74	
32 84 23 00-0633		**Irrigation Swing Joints** *(32 84 23)*		
32 84 23 00-0634	EA	3/4" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint (Rain Bird® TSJ12075)	72.43	21.46
32 84 23 00-0635	EA	1" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint (Rain Bird® TSJ12)	82.63	23.95
32 84 23 00-0636	EA	1" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint With 70 PSI Pressure Regulator (Rain Bird® TSJ100PRS)	114.85	23.95
32 84 23 00-0637	EA	1/2" Diameter, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type I Note: Consists of three threaded 90-degree elbows and 12" threaded pipe.	45.49	27.96
32 84 23 00-0638	EA	3/4" Diameter, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type I Note: Consists of three threaded 90-degree elbows and 12" threaded pipe.	60.80	37.30
32 84 23 00-0639	EA	1" Diameter, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type I Note: Consists of three threaded 90-degree elbows and 12" threaded pipe.	76.76	45.73
32 84 23 00-0640	EA	1/2" Diameter, 24" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRAN Type II Note: Consists of one threaded 90-degree elbow, one threaded x socket 90 degree elbow, one adapter and 24" threaded pipe.	64.51	28.40
32 84 23 00-0641	EA	3/4" Diameter, 24" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRAN Type II Note: Consists of one threaded 90-degree elbow, one threaded x socket 90 degree elbow, one adapter and 24" threaded pipe.	85.33	37.67
32 84 23 00-0642	EA	1" Diameter, 24" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRAN Type II Note: Consists of one threaded 90-degree elbow, one threaded x socket 90 degree elbow, one adapter and 24" threaded pipe.	105.14	46.19
32 84 23 00-0643	EA	1/2" Diameter, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type III Note: Consists of two street 90-degree elbows.	36.51	17.39
32 84 23 00-0644	EA	3/4" Diameter, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type III Note: Consists of two street 90-degree elbows.	48.82	23.19
32 84 23 00-0645	EA	1" Diameter, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type III Note: Consists of two street 90-degree elbows.	58.20	28.75
32 84 23 00-0646		**Irrigation Control Wire** *(32 84 23)* Note: Excludes excavation and backfill.		
32 84 23 00-0647		**18 AWG, Irrigation Control Wire, Buried In Trench** *(32 84 23 00-0646)*		
32 84 23 00-0648	CLF	1-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	53.46	16.17
32 84 23 00-0649	CLF	2-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	70.58	18.87
32 84 23 00-0650	CLF	3-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	81.25	21.56
32 84 23 00-0651	CLF	4-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	93.10	24.26
32 84 23 00-0652	CLF	5-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	106.11	26.95
32 84 23 00-0653	CLF	6-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	127.36	29.64
32 84 23 00-0654	CLF	7-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	147.70	32.33
32 84 23 00-0655	CLF	8-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	160.51	35.03
32 84 23 00-0656	CLF	9-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	176.39	37.72
32 84 23 00-0657	CLF	10-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	194.72	40.42
32 84 23 00-0658	CLF	11-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	201.25	43.11
32 84 23 00-0659	CLF	12-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	208.98	45.81
32 84 23 00-0660	CLF	13-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	220.45	48.50
32 84 23 00-0661		**16 AWG, Irrigation Control Wire, Buried In Trench** *(32 84 23 00-0646)*		
32 84 23 00-0662	CLF	1-Conductor, 16 AWG, Irrigation Control Wire, Buried In Trench	56.58	16.17
32 84 23 00-0663		**14 AWG, Irrigation Control Wire, Buried In Trench** *(32 84 23 00-0646)*		
32 84 23 00-0664	CLF	1-Conductor, 14 AWG, Irrigation Control Wire, Buried In Trench	56.59	16.17
32 84 23 00-0665		**12 AWG, Irrigation Control Wire, Buried In Trench** *(32 84 23 00-0646)*		
32 84 23 00-0666	CLF	1-Conductor, 12 AWG, Irrigation Control Wire, Buried In Trench	77.22	16.17
32 84 23 00-0667		**10 AWG, Irrigation Control Wire, Buried In Trench** *(32 84 23 00-0646)*		
32 84 23 00-0668	CLF	1-Conductor, 10 AWG, Irrigation Control Wire, Buried In Trench	103.37	16.17
32 84 23 00-0669		**Root Watering Systems** *(32 84 23)* Note: Includes swing assembly.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0670	EA	0.25 GPM Bubbler On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-1401)	119.95	21.56
		For Root Watering Sand Sock, Add	*5.63*	
32 84 23 00-0671	EA	0.25 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1401)	130.61	21.56
		For Root Watering Sand Sock, Add	*5.63*	
32 84 23 00-0672	EA	0.5 GPM Bubbler On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-1402)	119.95	21.56
		For Root Watering Sand Sock, Add	*5.63*	
32 84 23 00-0673	EA	0.5 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1402)	130.61	21.56
		For Root Watering Sand Sock, Add	*5.63*	
32 84 23 00-0674	EA	1 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1404)	130.61	21.56
		For Root Watering Sand Sock, Add	*5.63*	
32 84 23 00-0675	EA	0.25 GPM Bubbler On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-1401)	103.99	18.87
		For Root Watering Sand Sock, Add	*5.10*	
32 84 23 00-0676	EA	0.25 GPM Bubbler And Check Valve On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-C-1401)	114.22	18.87
		For Root Watering Sand Sock, Add	*5.10*	
32 84 23 00-0677	EA	0.5 GPM Bubbler On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-1402)	103.99	18.87
		For Root Watering Sand Sock, Add	*5.10*	
32 84 23 00-0678	EA	0.5 GPM Bubbler And Check Valve On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-C-1402)	114.22	18.87
		For Root Watering Sand Sock, Add	*5.10*	
32 84 23 00-0679	EA	0.25 GPM Bubbler On Riser, 10" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-S-B-1401)	67.58	16.17
		For Root Watering Sand Sock, Add	*4.56*	
32 84 23 00-0680	EA	0.25 GPM Bubbler And Check Valve On Riser, 10" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-S-B-C-1401)	77.33	16.17
		For Root Watering Sand Sock, Add	*4.56*	

32 90 Planting *(32)*

Note: Plant installation includes the initial watering only. The extended watering period for the establishment of lawns, plants and trees is addressed on a per plant per amount per occurrence basis as directed in the specification. cvs = cultivar or cultivated varities. See CSI section 32 01 90 26-0000 for additional "extended watering period" tasks.

32 91 Planting Preparation *(32 90)*

32 91 13 Soil Preparation *(32 91)*

32 91 13 16 Mulching *(32 91 13)*

32 91 13 16-0001 Mulch *(32 91 13 16)*

Note: Includes loading, delivery up to 15 miles and spreading. 1 CY = 108 SF of mulch spread 3" thick. See CSI section 01 74 19 00-0041 for hauling greater than 15 miles.

32 91 13 16-0002	CY	Pine Bark Nugget Mulch	111.98
		For >5 To 20, Deduct	*-9.50*
		For >20 To 50, Deduct	*-14.24*
		For >50, Deduct	*-19.84*
		For Work On Slopes >2.5:1, Add	*15.59*
32 91 13 16-0003	CY	Hardwood Bark Nugget Mulch	110.62
		For >5 To 20, Deduct	*-9.43*
		For >20 To 50, Deduct	*-14.14*
		For >50, Deduct	*-19.67*
		For Work On Slopes >2.5:1, Add	*15.59*
32 91 13 16-0004	CY	Pine Wood Chip Mulch	107.89
		For >5 To 20, Deduct	*-9.29*
		For >20 To 50, Deduct	*-13.94*
		For >50, Deduct	*-19.33*
		For Work On Slopes >2.5:1, Add	*15.59*
32 91 13 16-0005	CY	Hardwood Chip Mulch	113.34
		For >5 To 20, Deduct	*-9.56*
		For >20 To 50, Deduct	*-14.35*
		For >50, Deduct	*-20.01*
		For Work On Slopes >2.5:1, Add	*15.59*
32 91 13 16-0006	CY	Shredded Hardwood Mulch	113.34
		For >5 To 20, Deduct	*-9.56*
		For >20 To 50, Deduct	*-14.35*
		For >50, Deduct	*-20.01*
		For Work On Slopes >2.5:1, Add	*15.59*
32 91 13 16-0007	CY	Shredded Pine Mulch	101.09
		For >5 To 20, Deduct	*-8.95*
		For >20 To 50, Deduct	*-13.43*
		For >50, Deduct	*-18.48*
		For Work On Slopes >2.5:1, Add	*15.59*
32 91 13 16-0008	CY	Shredded Cedar Mulch	127.63
		For >5 To 20, Deduct	*-10.28*
		For >20 To 50, Deduct	*-15.42*
		For >50, Deduct	*-21.80*
		For Work On Slopes >2.5:1, Add	*15.59*
32 91 13 16-0009	CY	Shredded Cypress Mulch	125.59
		For >5 To 20, Deduct	*-10.18*
		For >20 To 50, Deduct	*-15.27*
		For >50, Deduct	*-21.55*
		For Work On Slopes >2.5:1, Add	*15.59*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91 13 16-0010	CY	Shredded Redwood Mulch	131.03	
		For >5 To 20, Deduct	*-10.45*	
		For >20 To 50, Deduct	*-15.67*	
		For >50, Deduct	*-22.23*	
		For Work On Slopes >2.5:1, Add	*15.59*	
32 91 13 16-0011	CY	Pea Gravel Mulch	127.38	
		For >5 To 20, Deduct	*-10.27*	
		For >20 To 50, Deduct	*-15.40*	
		For >50, Deduct	*-21.77*	
		For Work On Slopes >2.5:1, Add	*15.59*	
32 91 13 16-0012	CY	Chunk Recycled Tire Mulch	195.07	
		For >5 To 20, Deduct	*-14.74*	
		For >20 To 50, Deduct	*-22.11*	
		For >50, Deduct	*-31.87*	
		For Work On Slopes >2.5:1, Add	*19.96*	
32 91 13 16-0013	CY	Chunk Colored Recycled Tire Mulch	288.98	
		For >5 To 20, Deduct	*-19.44*	
		For >20 To 50, Deduct	*-29.16*	
		For >50, Deduct	*-43.61*	
		For Work On Slopes >2.5:1, Add	*19.96*	
32 91 13 16-0014	CY	Shredded Recycled Tire Mulch	290.34	
		For >5 To 20, Deduct	*-19.51*	
		For >20 To 50, Deduct	*-29.26*	
		For >50, Deduct	*-43.78*	
		For Work On Slopes >2.5:1, Add	*19.96*	
32 91 13 16-0015	CY	Shredded Colored Recycled Tire Mulch	478.18	
		For >5 To 20, Deduct	*-28.90*	
		For >20 To 50, Deduct	*-43.35*	
		For >50, Deduct	*-67.26*	
		For Work On Slopes >2.5:1, Add	*19.96*	
32 91 13 16-0016	EA	Pine Straw Mulch Bale Note: Covers 50 SF at a thickness of 2" to 4" forming a uniform mat through which none of the original ground surface can be seen.	9.15	
		For >100 To 250, Deduct	*-0.68*	
		For >250 To 500, Deduct	*-0.90*	
		For >500, Deduct	*-1.14*	
		For Work On Slopes >2.5:1, Add	*0.88*	
32 91 13 16-0017	EA	Wheat Straw Mulch Bale Note: Covers 350 SF forming a uniform mat through which 20 to 40% of the original ground surface can be seen.	8.89	
		For >100 To 250, Deduct	*-0.61*	
		For >250 To 500, Deduct	*-0.77*	
		For >500, Deduct	*-1.05*	
		For Work On Slopes >2.5:1, Add	*0.66*	
32 91 13 16-0018	CY	Stone/Gravel Mulch, Marble Chips	314.82	
		For >5 To 20, Deduct	*-19.64*	
		For >20 To 50, Deduct	*-29.46*	
		For >50, Deduct	*-45.20*	
		For Work On Slopes >2.5:1, Add	*15.59*	
32 91 13 16-0019	CY	Stone Mulch, Decomposed Granite Chips	139.94	
		For >5 To 20, Deduct	*-10.89*	
		For >20 To 50, Deduct	*-16.34*	
		For >50, Deduct	*-23.34*	
		For Work On Slopes >2.5:1, Add	*15.59*	

32 91 13 16-0020 Compost Soil Amendment (AgriService) *(32 91 13 16)*

Note: Includes loading, delivery up to 15 miles and spreading. See CSI section 01 74 19 00-0041 for hauling greater than 15 miles.

32 91 13 16-0021	CY	Humic Compost (OIM) Note: (Agri Service or Equal)	98.99	
		For Work On Slopes >2.5:1, Add	*15.59*	
		For >100 To 1,000, Deduct	*-16.64*	
		For >1,000, Deduct	*-25.49*	

32 91 13 26 Planting Beds *(32 91 13)*

Note: Not for use when installing trees and shrubs.

32 91 13 26-0001 Plant Bed Preparation *(32 91 13 26)*

Note: Not for use when installing trees and shrubs.

32 91 13 26-0002	SF	Up To 8" Deep, Prepare And Mix Plant Bed, By Machine Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	1.23	
		For Work On Slopes >2.5:1, Add	*0.25*	
32 91 13 26-0003	SF	>8" To 13" Deep, Prepare And Mix Plant Bed, By Machine Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	1.42	
		For Work On Slopes >2.5:1, Add	*0.28*	
32 91 13 26-0004	SF	>13" To 18" Deep, Prepare And Mix Plant Bed, By Machine Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	1.67	
		For Work On Slopes >2.5:1, Add	*0.33*	
32 91 13 26-0005	SF	Up To 8" Deep, Prepare And Mix Plant Bed By Hand Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	5.76	
		For Work On Slopes >2.5:1, Add	*1.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91 13 26-0006	SF	>8" To 13" Deep, Prepare And Mix Plant Bed By Hand Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	6.62	
		For Work On Slopes >2.5:1, Add	*1.32*	
32 91 13 26-0007	SF	>13" To 18" Deep, Prepare And Mix Plant Bed By Hand Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	7.78	
		For Work On Slopes >2.5:1, Add	*1.56*	

32 91 13 26-0008 Plant Bed Preparation With Humic Compost *(32 91 13 26)*

32 91 13 26-0009	SF	Prepare And Mix Plant Bed By Rototiller, Up To 8" Deep, Mixing Humic Compost (Mixed At Rate Of 3 CY Per 1,000 SF) Note: Includes loosening subgrade, removing rubbish, mixing humic compost and raking surface.	1.39	
		For Work On Slopes >2.5:1, Add	*0.27*	
		For >1,000 To 5,000, Deduct	*-0.20*	
		For >5,000 To 10,000, Deduct	*-0.33*	
		For >10,000 To 20,000, Deduct	*-0.67*	
		For >20,000, Deduct	*-0.94*	
32 91 13 26-0010	SF	Prepare And Mix Plant Bed By Rototiller, Up To 8" Deep, Mixing Humic Compost (Mixed At Rate Of 6 CY Per 1,000 SF) Note: Includes loosening subgrade, removing rubbish, mixing humic compost and raking surface.	1.73	
		For Work On Slopes >2.5:1, Add	*0.32*	
		For >1,000 To 5,000, Deduct	*-0.24*	
		For >5,000 To 10,000, Deduct	*-0.40*	
		For >10,000 To 20,000, Deduct	*-0.81*	
		For >20,000, Deduct	*-1.13*	
32 91 13 26-0011	SF	Prepare And Mix Plant Bed By Rototiller, Up To 8" Deep, Mixing Humic Compost (Mixed At Rate Of 9 CY Per 1,000 SF) Note: Includes loosening subgrade, removing rubbish, mixing humic compost and raking surface.	2.05	
		For Work On Slopes >2.5:1, Add	*0.37*	
		For >1,000 To 5,000, Deduct	*-0.28*	
		For >5,000 To 10,000, Deduct	*-0.47*	
		For >10,000 To 20,000, Deduct	*-0.94*	
		For >20,000, Deduct	*-1.32*	

32 91 13 26-0012 Planting Pit Preparation *(32 91 13 26)*

Note: Not for use when installing trees and shrubs.

32 91 13 26-0013	CY	Excavate Planting Pit By Hand, Sandy Soil Note: For use with existing planting pits.	99.60	
		For Work On Slopes >2.5:1, Add	*19.92*	
32 91 13 26-0014	CY	Excavate Planting Pit By Hand, Heavy Soil Note: For use with existing planting pits.	199.21	
		For Work On Slopes >2.5:1, Add	*39.84*	
32 91 13 26-0015	CY	Excavate Planting Pit By Machine, Sandy Soil Note: For use with existing planting pits.	14.99	
		For Work On Slopes >2.5:1, Add	*3.00*	
32 91 13 26-0016	CY	Excavate Planting Pit By Machine, Heavy Soil Note: For use with existing planting pits.	19.51	
		For Work On Slopes >2.5:1, Add	*3.90*	
32 91 13 26-0017	CY	Backfill Planting Pit By Hand With Topsoil From Stockpile	88.51	
		For Work On Slopes >2.5:1, Add	*17.70*	
32 91 13 26-0018	CY	Backfill Planting Pit By Hand With Contractor Furnished Planting Mix	113.55	
		For Work On Slopes >2.5:1, Add	*15.78*	
32 91 13 26-0019	CY	Backfill Planting Pit By Machine, With Topsoil From Stockpile	8.35	
		For Work On Slopes >2.5:1, Add	*1.67*	
32 91 13 26-0020	CY	Backfill Planting Pit By Machine, With Contractor Furnished Planting Mix	54.05	
		For Work On Slopes >2.5:1, Add	*3.88*	

32 91 13 26-0021 Weed Barrier *(32 91 13 26)*

32 91 13 26-0022	SY	Up To 3 Oz/SY Non-Woven, Polypropylene Weed Barrier	2.51	
		For Work On Slopes >2.5:1, Add	*0.16*	
32 91 13 26-0023	SY	4 Oz/SY Woven, Polypropylene Weed Barrier	3.39	
		For Work On Slopes >2.5:1, Add	*0.16*	
32 91 13 26-0024	SY	5 Oz/SY Woven, Needle Punched Polypropylene Weed Barrier	3.78	
		For Work On Slopes >2.5:1, Add	*0.16*	

32 91 13 33 Soil Conditioners *(32 91 13)*

32 91 13 33-0001 Spread Soil Conditioners *(32 91 13 33)*

32 91 13 33-0002	SY	Aluminum Sulfate 1 Lb./SY, Push Spreader	0.44	
32 91 13 33-0003	MSF	Aluminum Sulfate 110 Lb./MSF Tractor Spreader	40.88	
32 91 13 33-0004	MSF	Fertilizer, 20 Lb./MSF, Push Spreader	8.04	
32 91 13 33-0005	MSF	Fertilizer, 20 Lb./MSF, Tractor Spread	3.14	
32 91 13 33-0006	MSF	Fertilizer, 20 Lb./MSF, Truck Spread	5.60	
32 91 13 33-0007	SY	Pelletized Lime, 1 Lb./SY, Push Spreader	0.11	
32 91 13 33-0008	MSF	Pelitized Lime, 110 Lb./MSF, Tractor Spreader	7.84	
32 91 13 33-0009	SY	Perlite, 1" Deep, Push Spreader	3.72	
32 91 13 33-0010	MSF	Perlite, 1" Deep, Tractor Spreader	385.56	
32 91 13 33-0011	SY	Vermiculite, Push Spreader	3.45	
32 91 13 33-0012	MSF	Vermiculite, Tractor Spreader	376.63	

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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91 13 33-0013	SY	Humate Granular Soil Conditioner, 0.10 Lb./SY, Push Spreader	0.24	
32 91 13 33-0014	MSF	Humate Granular Soil Conditioner, 10 Lb./MSF, Tractor Spreader	21.05	

32 91 13 36 Lawn Bed Preparation *(32 91 13)*

32 91 13 36-0001 Lawn Bed Preparation *(32 91 13 36)*

32 91 13 36-0002	MSF	Rake Topsoil With Machine	94.53	
32 91 13 36-0003	MSF	Rake Topsoil By Hand	79.67	
32 91 13 36-0004	MSF	Screen Loam By Hand	53.12	
32 91 13 36-0005	SY	Roll Topsoil With Machine	1.21	
32 91 13 36-0006	SY	Roll Topsoil By Hand	3.56	
32 91 13 36-0007	MSF	Removal Of Rocks And Debris With Machine	11.18	
32 91 13 36-0008	MSF	Removal Of Rocks And Debris By Hand	35.21	
32 91 13 36-0009	MSF	Root Raking And Loading, No Boulders	58.50	
		For >45 to 225, Deduct	*-40.95*	
		For >225, Deduct	*-52.65*	
32 91 13 36-0010	MSF	Root Raking And Loading, With Boulders	97.51	
		For >45 to 225, Deduct	*-68.26*	
		For >225, Deduct	*-87.76*	
32 91 13 36-0011	MSF	Up To 6" Deep Tilling Topsoil With Tractor	5.20	
32 91 13 36-0012	MSF	>6" To 12" Deep Tilling Topsoil With Tractor	10.53	
		For Work On Slopes >2.5:1, Add	*2.11*	
32 91 13 36-0013	SY	Up To 2" Deep Tilling Topsoil With Rototiller	0.85	
32 91 13 36-0014	SY	>2" To 4" Deep Tilling Topsoil With Rototiller	1.01	
32 91 13 36-0015	SY	>4" To 6" Deep Tilling Topsoil With Rototiller	1.27	
32 91 13 36-0016	LF	"V" Cut Soil For Edge Of Planting Beds	1.41	

32 91 13 36-0017 Sod Removal *(32 91 13 36)*

32 91 13 36-0018	SY	Removal Of Sod By Hand	6.72	
		For Work On Slopes >2.5:1, Add	*1.34*	
32 91 13 36-0019	SY	Removal Of Sod With Machine	0.70	
		For Work On Slopes >2.5:1, Add	*0.14*	
32 91 13 36-0020	SY	Pile Sod By Hand	3.98	
		For Work On Slopes >2.5:1, Add	*0.80*	
32 91 13 36-0021	SY	Pile Sod With Machine	1.31	
		For Work On Slopes >2.5:1, Add	*0.26*	

32 91 19 Landscape Grading *(32 91)*

32 91 19 13 Topsoil Placement and Grading *(32 91 19)*

32 91 19 13-0001 Remove And Stockpile Topsoil On Site *(32 91 19 13)*

32 91 19 13-0002	CY	Removal Of Topsoil, 4" Deep Stockpile On Site	5.28	
32 91 19 13-0003	CY	Removal Of Topsoil, 6" Deep Stockpile On Site	5.23	

32 91 19 13-0004 Screening Topsoil *(32 91 19 13)*

32 91 19 13-0005	CY	Screen Topsoil With Vibrating Screen, Wet Material (Organic)	11.67	
32 91 19 13-0006	CY	Screen Topsoil With Vibrating Screen, Dry Material	7.78	

32 91 19 13-0007 Spreading Topsoil From Stockpile *(32 91 19 13)*

32 91 19 13-0008	CY	Spread Topsoil By Machine From Stockpile	8.90	
32 91 19 13-0009	CY	Spread Topsoil By Hand From Stockpile	76.03	

32 91 19 13-0010 Furnish And Place Imported Screened Topsoil *(32 91 19 13)*

Note: Includes delivery up to 15 miles from the closest approved source and spread by machine. Excludes hand spreading. See CSI section 01 74 19 00-0041 for hauling greater than 15 miles, 31 23 16 36-0030 for hand spreading.

32 91 19 13-0011	SY	Furnish And Place Imported Screened Topsoil, 2" Deep	3.41	
		For Unscreened, Deduct	*-0.36*	
32 91 19 13-0012	SY	Furnish And Place Imported Screened Topsoil, 4" Deep	6.47	
		For Unscreened, Deduct	*-0.73*	
32 91 19 13-0013	SY	Furnish And Place Imported Screened Topsoil, 6" Deep	9.28	
		For Unscreened, Deduct	*-1.09*	
32 91 19 13-0014	SY	Furnish And Place Imported Screened Topsoil, 9" Deep	13.27	
		For Unscreened, Deduct	*-1.63*	
32 91 19 13-0015	SY	Furnish And Place Imported Screened Topsoil, 12" Deep	17.26	
		For Unscreened, Deduct	*-2.18*	
32 91 19 13-0016	CY	Furnish And Place Imported Screened Topsoil, Over 12" Deep	46.65	
		For Unscreened, Deduct	*-6.54*	

32 91 19 13-0017 Scarify Soil For Planting Preparation *(32 91 19 13)*

Note: Ripped in multiple directions with 3" maximum clods.

32 91 19 13-0018	MSF	Up To 5,000 SF Scarify Up To 8" Soil With Machine	70.18	
32 91 19 13-0019	MSF	>5,000 To 20,000 SF Scarify Up To 8" Soil With Machine	49.11	
32 91 19 13-0020	MSF	>20,000 SF Scarify Up To 8" Soil With Machine	28.76	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 92 Turf and Grasses *(32 90)*

32 92 16 Plugging *(32 92)*

32 92 16 00-0001 Bermuda Or Centipede Plugging, 1" Deep *(32 92 16)*
Note: Includes fine grade and soil preparation.

32 92 16 00-0002 6" On Center Plugging *(32 92 16 00-0001)*

32 92 16 00-0003	MSF	Plugging By Hand, 6" On Center	255.42	
32 92 16 00-0004	MSF	Plugging By Walk Behind Planter, 6" On Center	33.67	
32 92 16 00-0005	MSF	Plugging By Towed Planter, 6" On Center	24.65	

32 92 16 00-0006 9" On Center Plugging *(32 92 16 00-0001)*

32 92 16 00-0007	MSF	Plugging By Hand, 9" On Center	195.99	
32 92 16 00-0008	MSF	Plugging By Walk Behind Planter, 9" On Center	26.44	
32 92 16 00-0009	MSF	Plugging By Towed Planter, 9" On Center	18.49	

32 92 16 00-0010 12" On Center Plugging *(32 92 16 00-0001)*

32 92 16 00-0011	MSF	Plugging By Hand, 12" On Center	165.26	
32 92 16 00-0012	MSF	Plugging By Walk Behind Planter, 12" On Center	17.97	
32 92 16 00-0013	MSF	Plugging By Towed Planter, 12" On Center	11.85	

32 92 19 Seeding *(32 92)*

32 92 19 13 Mechanical Seeding *(32 92 19)*
Note: Includes fertilizing, liming, mixing, seeding and initial watering.

32 92 19 13-0001 Tractor Spreader Mechanical Seeding *(32 92 19 13)*
Note: Excludes straw. See CSI section 32 91 13 16-0017 for wheat straw mulch.

32 92 19 13-0002	MSF	Common Bluegrass, Tractor Spreader Note: 4 LB/MSF spread rate.	49.20	
32 92 19 13-0003	MSF	Tall Fescue, Tractor Spreader Note: 5.5 LB/MSF spread rate.	39.05	
32 92 19 13-0004	MSF	Rye, Tractor Spreader Note: 10 LB/MSF spread rate.	39.76	
32 92 19 13-0005	MSF	Shade Mix, Tractor Spreader Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.	43.42	
32 92 19 13-0006	MSF	Turf Mix, Tractor Spreader Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.	46.05	
32 92 19 13-0007	MSF	Slope Mix, Tractor Spreader Note: 6 LB/MSF spread rate.	42.55	
32 92 19 13-0008	MSF	Utility Mix, Tractor Spreader Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.	38.18	
32 92 19 13-0009	MSF	Wild Flower Mix, Tractor Spreader Note: 0.10 LB/MSF spread rate.	29.94	
32 92 19 13-0010	MSF	Crown Vetch Mix, Tractor Spreader Note: 4 LB/MSF spread rate.	95.07	
32 92 19 13-0011	MSF	Athletic Mix, Tractor Spreader Note: 8 LB/MSF spread rate. Mixture of three varieties of drought resistant bluegrass, tall fescue and Kentucky bluegrass.	56.55	
32 92 19 13-0012	MSF	White Clover Mix, Tractor Spreader Note: 7 LB/MSF spread rate.	29.85	
32 92 19 13-0013	MSF	Ladino Clover Mix, Tractor Spreader Note: 7 LB/MSF spread rate.	33.36	
32 92 19 13-0014	MSF	Bermuda, Tractor Spreader Note: 10 LB/MSF spread rate.	48.21	

32 92 19 13-0015 Hydro Or Air Mechanical Seeding *(32 92 19 13)*

32 92 19 13-0016	MSF	Common Bluegrass, Hydro Or Air Seeding Note: 4 LB/MSF spread rate.	98.27	
		For Spot Areas Up To 1, Add	*103.11*	
		For >1 To 4, Add	*66.05*	
		For >4 To 7.5, Add	*44.63*	
		For >7.5 To 10, Add	*22.31*	
		For >45, Deduct	*-7.81*	
		For Tackifier, Add	*4.46*	
32 92 19 13-0017	MSF	Tall Fescue, Hydro Or Air Seeding Note: 5.5 LB/MSF spread rate.	104.39	
		For Spot Areas Up To 1, Add	*105.56*	
		For >1 To 4, Add	*67.28*	
		For >4 To 7.5, Add	*45.24*	
		For >7.5 To 10, Add	*22.62*	
		For >45, Deduct	*-8.12*	
		For Tackifier, Add	*4.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19 13-0018	MSF	Rye, Hydro Or Air Spread Note: 10 LB/MSF spread rate.	98.52	
		For Spot Areas Up To 1, Add	*103.21*	
		For >1 To 4, Add	*66.10*	
		For >4 To 7.5, Add	*44.65*	
		For >7.5 To 10, Add	*22.33*	
		For >45, Deduct	*-7.83*	
		For Tackifier, Add	*4.46*	
32 92 19 13-0019	MSF	Shade Mix, Hydro Or Air Seeding Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.	98.27	
		For Spot Areas Up To 1, Add	*103.11*	
		For >1 To 4, Add	*66.05*	
		For >4 To 7.5, Add	*44.63*	
		For >7.5 To 10, Add	*22.31*	
		For >45, Deduct	*-7.81*	
		For Tackifier, Add	*4.46*	
32 92 19 13-0020	MSF	Turf Mix, Hydro Or Air Seeding Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.	104.39	
		For Spot Areas Up To 1, Add	*105.56*	
		For >1 To 4, Add	*67.28*	
		For >4 To 7.5, Add	*45.24*	
		For >7.5 To 10, Add	*22.62*	
		For >45, Deduct	*-8.12*	
		For Tackifier, Add	*4.46*	
32 92 19 13-0021	MSF	Slope Mix, Hydro Or Air Seeding Note: 6 LB/MSF spread rate.	101.77	
		For Spot Areas Up To 1, Add	*104.51*	
		For >1 To 4, Add	*66.75*	
		For >4 To 7.5, Add	*44.98*	
		For >7.5 To 10, Add	*22.49*	
		For >45, Deduct	*-7.99*	
		For Tackifier, Add	*4.46*	
32 92 19 13-0022	MSF	Utility Mix, Hydro Or Air Seeding Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.	99.65	
		For Spot Areas Up To 1, Add	*103.66*	
		For >1 To 4, Add	*66.33*	
		For >4 To 7.5, Add	*44.77*	
		For >7.5 To 10, Add	*22.38*	
		For >45, Deduct	*-7.88*	
		For Tackifier, Add	*4.46*	
32 92 19 13-0023	MSF	Wild Flower Mix, Hydro Or Air Seeding Note: 0.10 LB/MSF spread rate.	92.83	
		For Spot Areas Up To 1, Add	*100.93*	
		For >1 To 4, Add	*64.97*	
		For >4 To 7.5, Add	*44.08*	
		For >7.5 To 10, Add	*22.04*	
		For >45, Deduct	*-7.54*	
		For Tackifier, Add	*4.46*	
32 92 19 13-0024	MSF	Crown Vetch Mix, Hydro Or Air Seeding Note: 4 LB/MSF spread rate.	154.29	
		For Spot Areas Up To 1, Add	*125.52*	
		For >1 To 4, Add	*77.26*	
		For >4 To 7.5, Add	*50.23*	
		For >7.5 To 10, Add	*25.11*	
		For >45, Deduct	*-10.61*	
		For Tackifier, Add	*4.46*	
32 92 19 13-0025	MSF	Athletic Mix, Hydro Or Air Seeding Note: 8 LB/MSF spread rate. Mixture of three varieties of drought resistant bluegrass, tall fescue and Kentucky bluegrass.	135.05	
		For Spot Areas Up To 1, Add	*117.82*	
		For >1 To 4, Add	*73.41*	
		For >4 To 7.5, Add	*48.31*	
		For >7.5 To 10, Add	*24.15*	
		For >45, Deduct	*-9.65*	
		For Tackifier, Add	*4.46*	
32 92 19 13-0026	MSF	White Clover Mix, Hydro Or Air Seeding Note: 7 LB/MSF spread rate.	84.52	
		For Spot Areas Up To 1, Add	*97.61*	
		For >1 To 4, Add	*63.30*	
		For >4 To 7.5, Add	*43.25*	
		For >7.5 To 10, Add	*21.63*	
		For >45, Deduct	*-7.13*	
		For Tackifier, Add	*4.46*	
32 92 19 13-0027	MSF	Ladino Clover Mix, Hydro Or Air Seeding Note: 7 LB/MSF spread rate.	94.76	
		For Spot Areas Up To 1, Add	*101.70*	
		For >1 To 4, Add	*65.35*	
		For >4 To 7.5, Add	*44.28*	
		For >7.5 To 10, Add	*22.14*	
		For >45, Deduct	*-7.64*	
		For Tackifier, Add	*4.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19 13-0028	MSF	60% Kentucky Bluegrass, 20% Creeping Red Fescue, 10% Red Top And 10% Domestic Rye, Hydro Or Air Spread	100.02	
		Note: 4 LB/MSF spread rate.		
		For Spot Areas Up To 1, Add	*103.81*	
		For >1 To 4, Add	*66.40*	
		For >4 To 7.5, Add	*44.80*	
		For >7.5 To 10, Add	*22.40*	
		For >45, Deduct	*-7.90*	
		For Tackifier, Add	*4.46*	
32 92 19 13-0029	MSF	2,500 Lb./Acre, High Performance - Flexible Growth Medium	126.73	
		Note: Applied with seed. Excludes seed.		
		For >45, Deduct	*-7.79*	
32 92 19 13-0030	MSF	3,000 Lb./Acre, High Performance - Flexible Growth Medium	147.73	
		Note: Applied with seed. Excludes seed.		
		For >45, Deduct	*-8.91*	
32 92 19 13-0031	MSF	3,500 Lb./Acre, High Performance - Flexible Growth Medium	168.81	
		Note: Applied with seed. Excludes seed.		
		For >45, Deduct	*-10.04*	
32 92 19 13-0032	MSF	4,000 Lb./Acre, High Performance - Flexible Growth Medium	189.94	
		Note: Applied with seed. Excludes seed.		
		For >45, Deduct	*-11.18*	
32 92 19 13-0033	MSF	4,500 Lb./Acre, High Performance - Flexible Growth Medium	211.16	
		Note: Applied with seed. Excludes seed.		
		For >45, Deduct	*-12.32*	
32 92 19 13-0034	MSF	Custom Mix (Landfill Closure), Hydro Or Air Seeding	123.18	
		Note: Mixture of varieties: 0.184 Lbs/MSF (8 Lbs/Acre) Vulpia Microstachys, 0.138 Lbs/MSF (6 Lbs/Acre) Poa Secunda, 0.23 Lbs/MSF (10 Lbs/Acre) Hordeum Californicum Prostrate, 0.138 Lbs/MSF (6 Lbs/Acre) Nassella Pulchra, 0.184 Lbs/MSF (8 Lbs/Acre) Elymus Glaucus Anderson, 0.023 Lbs/MSF (1 Lbs/Acre) Artemisia Californica, 0.046 Lbs/MSF (2 Lbs/Acre) Atriplex Semibaccata, and 0.023 Lbs/MSF (1 Lbs/Acre) Atriplex Polycarpa.		
		For Spot Areas Up To 1, Add	*113.07*	
		For >1 To 4, Add	*71.04*	
		For >4 To 7.5, Add	*47.12*	
		For >7.5 To 10, Add	*23.56*	
		For >45, Deduct	*-9.06*	
32 92 19 13-0035	ACR	Custom Mix (Landfill Closure), Hydro Or Air Seeding	5,108.51	
		Note: Mixture of varieties: 8 Lbs/Acre Vulpia Microstachys, 6 Lbs/Acre Poa Secunda, 10 Lbs/Acre Hordeum Californicum Prostrate, 6 Lbs/Acre Nassella Pulchra, 8 Lbs/Acre Elymus Glaucus Anderson, 1 Lbs/Acre Artemisia Californica, 2 Lbs/Acre Atriplex Semibaccata, and 1 Lbs/Acre Atriplex Polycarpa.		

32 92 19 19 Seeding by Hand *(32 92 19)*

Note: Includes fertilizing, liming, mixing, seeding and initial watering. See CSI section 32 91 13 16-0017 for wheat straw mulch.

32 92 19 19-0001 Push Spreader Or Hand Seeding *(32 92 19 19)*

Note: Excludes straw. See CSI section 32 91 13 16-0017 for wheat straw mulch.

32 92 19 19-0002	MSF	Common Bluegrass, Push Spreader Or Hand	123.75	
		Note: 4 LB/MSF spread rate.		
		For >5 To 20, Deduct	*-8.68*	
		For >20 To 45, Deduct	*-16.75*	
		For >45, Deduct	*-27.31*	
32 92 19 19-0003	MSF	Tall Fescue, Push Spreader Or Hand	113.60	
		Note: 5.5 LB/MSF spread rate.		
		For >5 To 20, Deduct	*-8.17*	
		For >20 To 45, Deduct	*-15.99*	
		For >45, Deduct	*-26.30*	
32 92 19 19-0004	MSF	Rye, Push Spreader Or Hand	114.31	
		Note: 10 LB/MSF spread rate.		
		For >5 To 20, Deduct	*-8.21*	
		For >20 To 45, Deduct	*-16.04*	
		For >45, Deduct	*-26.37*	
32 92 19 19-0005	MSF	Shade Mix, Push Spreader Or Hand	117.97	
		Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.		
		For >5 To 20, Deduct	*-8.39*	
		For >20 To 45, Deduct	*-16.32*	
		For >45, Deduct	*-26.74*	
32 92 19 19-0006	MSF	Turf Mix, Push Spreader Or Hand	120.60	
		Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.		
		For >5 To 20, Deduct	*-8.52*	
		For >20 To 45, Deduct	*-16.51*	
		For >45, Deduct	*-27.00*	
32 92 19 19-0007	MSF	Slope Mix, Push Spreader Or Hand	117.10	
		Note: 6 LB/MSF spread rate.		
		For >5 To 20, Deduct	*-8.34*	
		For >20 To 45, Deduct	*-16.25*	
		For >45, Deduct	*-26.65*	
32 92 19 19-0008	MSF	Utility Mix, Push Spreader Or Hand	112.73	
		Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.		
		For >5 To 20, Deduct	*-8.13*	
		For >20 To 45, Deduct	*-15.92*	
		For >45, Deduct	*-26.21*	
32 92 19 19-0009	MSF	Wild Flower Mix, Push Spreader Or Hand	104.49	
		Note: 0.10 LB/MSF spread rate.		
		For >5 To 20, Deduct	*-7.71*	
		For >20 To 45, Deduct	*-15.31*	
		For >45, Deduct	*-25.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19 19-0010	MSF	Crown Vetch Mix, Push Spreader Or Hand	169.62	
		Note: 4 LB/MSF spread rate.		
		For >5 To 20, Deduct	*-10.97*	
		For >20 To 45, Deduct	*-20.19*	
		For >45, Deduct	*-31.90*	
32 92 19 19-0011	MSF	Athletic Mix, Push Spreader Or Hand	131.10	
		Note: 8 LB/MSF spread rate. Mixture of drought resistant bluegrass, tall fescue and Kentucky bluegrass.		
		For >5 To 20, Deduct	*-9.04*	
		For >20 To 45, Deduct	*-17.30*	
		For >45, Deduct	*-28.05*	
32 92 19 19-0012	MSF	White Clover Mix, Push Spreader Or Hand	104.40	
		Note: 7 LB/MSF spread rate.		
		For >5 To 20, Deduct	*-7.71*	
		For >20 To 45, Deduct	*-15.30*	
		For >45, Deduct	*-25.38*	
32 92 19 19-0013	MSF	Ladino Clover Mix, Push Spreader Or Hand	107.91	
		Note: 7 LB/MSF spread rate.		
		For >5 To 20, Deduct	*-7.89*	
		For >20 To 45, Deduct	*-15.56*	
		For >45, Deduct	*-25.73*	
32 92 19 19-0014	MSF	100% Kentucky Bluegrass, Push Spreader Or Hand	125.41	
		Note: 3.3 LB/MSF spread rate.		
		For >5 To 20, Deduct	*-8.76*	
		For >20 To 45, Deduct	*-16.88*	
		For >45, Deduct	*-27.48*	
32 92 19 19-0015	MSF	70% Kentucky Bluegrass And 30% Fescue, Push Spreader Or Hand	120.60	
		Note: 3.3 LB/MSF spread rate.		
		For >5 To 20, Deduct	*-8.52*	
		For >20 To 45, Deduct	*-16.51*	
		For >45, Deduct	*-27.00*	
32 92 19 19-0016	MSF	50% Kentucky Bluegrass And 50% Fescue, Push Spreader Or Hand	117.10	
		Note: 3.3 LB/MSF spread rate.		
		For >5 To 20, Deduct	*-8.34*	
		For >20 To 45, Deduct	*-16.25*	
		For >45, Deduct	*-26.65*	
32 92 19 19-0017	MSF	50% Kentucky Bluegrass And 50% Perennial Rye, Push Spreader Or Hand	124.10	
		Note: 4.4 LB/MSF spread rate.		
		For >5 To 20, Deduct	*-8.69*	
		For >20 To 45, Deduct	*-16.78*	
		For >45, Deduct	*-27.35*	
32 92 19 19-0018	MSF	60% Kentucky Bluegrass, 20% Creeping Red Fescue, 10% Red Top And 10% Domestic Rye, Push Spreader Or Hand	118.85	
		Note: 3.3 LB/MSF spread rate.		
		For >5 To 20, Deduct	*-8.43*	
		For >20 To 45, Deduct	*-16.38*	
		For >45, Deduct	*-26.82*	
32 92 19 19-0019	MSF	40% Creeping Red Fescue, 30% Kentucky Bluegrass, 10% Red Top, And 20% Blue Tag Perennial Rye, Push Spreader Or Hand	120.60	
		Note: 3.3 LB/MSF spread rate.		
		For >5 To 20, Deduct	*-8.52*	
		For >20 To 45, Deduct	*-16.51*	
		For >45, Deduct	*-27.00*	
32 92 19 19-0020	MSF	Bermuda, Push Spreader Or Hand	122.76	
		Note: 10 LB/MSF spread rate.		
		For >5 To 20, Deduct	*-8.63*	
		For >20 To 45, Deduct	*-16.68*	
		For >45, Deduct	*-27.21*	

32 92 23 Sodding *(32 92)*

Note: Includes raking preparation, water thoroughly and allow surface to dry before planting, rolling of sod, sanding seams for (up to 16" wide by 24" long) squares or (up to 24" wide by 54" long) rolls and initial watering within 2 hours after planting.

32 92 23 00-0001 Bermuda Sod *(32 92 23)*

32 92 23 00-0002	MSF	Up To 1,000 SF, Bermuda Sod, Installed On Level Ground	1,680.53
32 92 23 00-0003	MSF	>1,000 To 4,000 SF, Bermuda Sod, Installed On Level Ground	1,420.99
32 92 23 00-0004	MSF	>4,000 To 8,000 SF, Bermuda Sod, Installed On Level Ground	1,209.76
32 92 23 00-0005	MSF	>8,000 SF, Bermuda Sod, Installed On Level Ground	1,061.07
32 92 23 00-0006	MSF	Up To 1,000 SF, Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes	2,071.91
32 92 23 00-0007	MSF	>1,000 To 4,000 SF, Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes	1,752.56
32 92 23 00-0008	MSF	>4,000 To 8,000 SF, Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes	1,438.51
32 92 23 00-0009	MSF	>8,000 SF, Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes	1,255.59

32 92 23 00-0010 Zoysia Sod *(32 92 23)*

32 92 23 00-0011	MSF	Up To 1,000 SF, Zoysia Sod, Installed On Level Ground	2,420.98
32 92 23 00-0012	MSF	>1,000 To 4,000 SF, Zoysia Sod, Installed On Level Ground	1,974.56
32 92 23 00-0013	MSF	>4,000 To 8,000 SF, Zoysia Sod, Installed On Level Ground	1,671.08
32 92 23 00-0014	MSF	>8,000 SF, Zoysia Sod, Installed On Level Ground	1,430.12
32 92 23 00-0015	MSF	Up To 1,000 SF, Zoysia Sod, Installed On Sloped (>1:6) Ground With Stakes	2,810.01
32 92 23 00-0016	MSF	>1,000 To 4,000 SF, Zoysia Sod, Installed On Sloped (>1:6) Ground With Stakes	2,306.13
32 92 23 00-0017	MSF	>4,000 To 8,000 SF, Zoysia Sod, Installed On Sloped (>1:6) Ground With Stakes	1,899.83
32 92 23 00-0018	MSF	>8,000 SF, Zoysia Sod, Installed On Sloped (>1:6) Ground With Stakes	1,624.64

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 92 23 00-0019 Tall Fescue Sod *(32 92 23)*

32 92 23 00-0020	MSF	Up To 1,000 SF, Tall Fescue Sod, Installed On Level Ground	2,386.81	
		For Hybrid Fescue "Marathon", Add	*156.97*	
32 92 23 00-0021	MSF	>1,000 To 4,000 SF, Tall Fescue Sod, Installed On Level Ground	1,948.94	
		For Hybrid Fescue "Marathon", Add	*118.28*	
32 92 23 00-0022	MSF	>4,000 To 8,000 SF, Tall Fescue Sod, Installed On Level Ground	1,649.72	
		For Hybrid Fescue "Marathon", Add	*98.93*	
32 92 23 00-0023	MSF	>8,000 SF, Tall Fescue Sod, Installed On Level Ground	1,413.04	
		For Hybrid Fescue "Marathon", Add	*79.59*	
32 92 23 00-0024	MSF	Up To 1,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes	2,775.84	
		For Hybrid Fescue "Marathon", Add	*156.97*	
32 92 23 00-0025	MSF	>1,000 To 4,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes	2,280.51	
		For Hybrid Fescue "Marathon", Add	*118.28*	
32 92 23 00-0026	MSF	>4,000 To 8,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes	1,878.47	
		For Hybrid Fescue "Marathon", Add	*98.93*	
32 92 23 00-0027	MSF	>8,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes	1,607.56	
		For Hybrid Fescue "Marathon", Add	*79.59*	

32 92 23 00-0028 Centipede Sod *(32 92 23)*

32 92 23 00-0029	MSF	Up To 1,000 SF, Centipede Sod, Installed On Level Ground	2,135.65	
32 92 23 00-0030	MSF	>1,000 To 4,000 SF, Centipede Sod, Installed On Level Ground	1,760.57	
32 92 23 00-0031	MSF	>4,000 To 8,000 SF, Centipede Sod, Installed On Level Ground	1,492.75	
32 92 23 00-0032	MSF	>8,000 SF, Centipede Sod, Installed On Level Ground	1,287.46	
32 92 23 00-0033	MSF	Up To 1,000 SF, Centipede Sod, Installed On Sloped (>1:6) Ground With Stakes	2,524.68	
32 92 23 00-0034	MSF	>1,000 To 4,000 SF, Centipede Sod, Installed On Sloped (>1:6) Ground With Stakes	2,092.14	
32 92 23 00-0035	MSF	>4,000 To 8,000 SF, Centipede Sod, Installed On Sloped (>1:6) Ground With Stakes	1,721.50	
32 92 23 00-0036	MSF	>8,000 SF, Centipede Sod, Installed On Sloped (>1:6) Ground With Stakes	1,481.98	

32 92 23 00-0037 Kentucky Blue Grass Sod *(32 92 23)*

32 92 23 00-0038	MSF	Up To 1,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground	2,035.04	
32 92 23 00-0039	MSF	>1,000 To 4,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground	1,685.11	
32 92 23 00-0040	MSF	>4,000 To 8,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground	1,429.86	
32 92 23 00-0041	MSF	>8,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground	1,237.15	
32 92 23 00-0042	MSF	Up To 1,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes	2,424.07	
32 92 23 00-0043	MSF	>1,000 To 4,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes	2,016.68	
32 92 23 00-0044	MSF	>4,000 To 8,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes	1,658.61	
32 92 23 00-0045	MSF	>8,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes	1,431.67	

32 92 23 00-0046 Ballfield Mix 2A Sod 10% Bermuda Shorts, 10% Barclay, 80% Turfstar *(32 92 23)*

32 92 23 00-0047	MSF	Up To 1,000 SF, Ballfield Mix 2A Sod, Installed On Level Ground	1,884.11	
32 92 23 00-0048	MSF	>1,000 To 4,000 SF, Ballfield Mix 2A Sod, Installed On Level Ground	1,571.91	
32 92 23 00-0049	MSF	>4,000 To 8,000 SF, Ballfield Mix 2A Sod, Installed On Level Ground	1,335.54	
32 92 23 00-0050	MSF	>8,000 SF, Ballfield Mix 2A Sod, Installed On Level Ground	1,161.69	
32 92 23 00-0051	MSF	Up To 1,000 SF, Ballfield Mix 2A Sod, Installed On Sloped (>1:6) Ground With Stakes	2,273.14	
32 92 23 00-0052	MSF	>1,000 To 4,000 SF, Ballfield Mix 2A Sod, Installed On Sloped (>1:6) Ground With Stakes	1,903.48	
32 92 23 00-0053	MSF	>4,000 To 8,000 SF, Ballfield Mix 2A Sod, Installed On Sloped (>1:6) Ground With Stakes	1,564.29	
32 92 23 00-0054	MSF	>8,000 SF, Ballfield Mix 2A Sod, Installed On Sloped (>1:6) Ground With Stakes	1,356.21	

32 92 23 00-0055 GN-1 Sod *(32 92 23)*

32 92 23 00-0056	MSF	Up To 1,000 SF, GN-1 Sod, Installed On Level Ground	2,406.54	
32 92 23 00-0057	MSF	>1,000 To 4,000 SF, GN-1 Sod, Installed On Level Ground	1,963.74	
32 92 23 00-0058	MSF	>4,000 To 8,000 SF, GN-1 Sod, Installed On Level Ground	1,662.06	
32 92 23 00-0059	MSF	>8,000 SF, GN-1 Sod, Installed On Level Ground	1,422.90	
32 92 23 00-0060	MSF	Up To 1,000 SF, GN-1 Sod, Installed On Sloped (>1:6) Ground With Stakes	2,795.57	
32 92 23 00-0061	MSF	>1,000 To 4,000 SF, GN-1 Sod, Installed On Sloped (>1:6) Ground With Stakes	2,295.31	
32 92 23 00-0062	MSF	>4,000 To 8,000 SF, GN-1 Sod, Installed On Sloped (>1:6) Ground With Stakes	1,890.81	
32 92 23 00-0063	MSF	>8,000 SF, GN-1 Sod, Installed On Sloped (>1:6) Ground With Stakes	1,617.42	

32 92 23 00-0064 Tifgreen Bermuda Sod *(32 92 23)*

32 92 23 00-0065	MSF	Up To 1,000 SF, Tifgreen Bermuda Sod, Installed On Level Ground	2,520.71	
32 92 23 00-0066	MSF	>1,000 To 4,000 SF, Tifgreen Bermuda Sod, Installed On Level Ground	2,049.36	
32 92 23 00-0067	MSF	>4,000 To 8,000 SF, Tifgreen Bermuda Sod, Installed On Level Ground	1,733.41	
32 92 23 00-0068	MSF	>8,000 SF, Tifgreen Bermuda Sod, Installed On Level Ground	1,479.98	
32 92 23 00-0069	MSF	Up To 1,000 SF, Tifgreen Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes	2,909.74	
32 92 23 00-0070	MSF	>1,000 To 4,000 SF, Tifgreen Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes	2,380.93	
32 92 23 00-0071	MSF	>4,000 To 8,000 SF, Tifgreen Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes	1,962.16	
32 92 23 00-0072	MSF	>8,000 SF, Tifgreen Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes	1,674.50	

32 93 Plants *(32 90)*

32 93 13 Ground Covers *(32 93)*

Note: Materials only. See CSI section 32 93 83 00-0062 for installation and planting of ground cover.

32 93 13 00-0001 Ornamental Grasses *(32 93 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 13 00-0002	EA	1 Gallon, Cortaderia selloana - Pampas Grass	34.95	
32 93 13 00-0003	EA	2 Gallon, Cortaderia selloana - Pampas Grass	64.60	
32 93 13 00-0004	EA	3 Gallon, Cortaderia selloana - Pampas Grass	117.41	
32 93 13 00-0005	EA	5 Gallon, Cortaderia selloana - Pampas Grass	213.69	
32 93 13 00-0006	EA	1 Gallon, Distichlis spicata - Saltgrass	11.56	
32 93 13 00-0007	EA	5 Gallon, Distichlis spicata - Saltgrass	30.25	
32 93 13 00-0008	EA	1 Quart, Imperata cylindrica - Japanese Blood Grass	26.75	
32 93 13 00-0009	EA	1 Gallon, Imperata cylindrica - Japanese Blood Grass	35.57	
32 93 13 00-0010	EA	2 Gallon, Imperata cylindrica - Japanese Blood Grass	38.07	
32 93 13 00-0011	EA	1 Quart, Koeleria glauca - Blue Hair Grass	26.68	
32 93 13 00-0012	EA	1 Gallon, Koeleria glauca - Blue Hair Grass	35.57	
32 93 13 00-0013	EA	3 Gallon, Koeleria glauca - Blue Hair Grass	86.06	
32 93 13 00-0014	EA	1 Gallon, Miscanthus sinensis 'Gracillimus' - Maiden Grass	33.77	
32 93 13 00-0015	EA	3 Gallon, Miscanthus sinensis 'Gracillimus' - Maiden Grass	43.77	
32 93 13 00-0016	EA	5 Gallon, Miscanthus sinensis 'Gracillimus' - Maiden Grass	83.68	
32 93 13 00-0017	EA	1 Gallon, Miscanthus sinensis 'Zebrinus' - Zebra Grass	31.35	
32 93 13 00-0018	EA	3 Gallon, Miscanthus sinensis 'Zebrinus' - Zebra Grass	49.28	
32 93 13 00-0019	EA	5 Gallon, Miscanthus sinensis 'Zebrinus' - Zebra Grass	84.34	
32 93 13 00-0020	EA	1 Gallon, Monathochloe littoralis - Shore Grass	14.46	
32 93 13 00-0021	EA	1 Quart, Pennisetum setaceum - Fountain Grass	29.18	
32 93 13 00-0022	EA	1 Gallon, Pennisetum setaceum - Fountain Grass	74.23	
32 93 13 00-0023	EA	3 Gallon, Pennisetum setaceum - Fountain Grass	97.86	
32 93 13 00-0024	EA	1 Gallon, Saccharum ravennae - Ravenna Grass	92.38	
32 93 13 00-0025	EA	3 Gallon, Saccharum ravennae - Ravenna Grass	103.78	
32 93 13 00-0026	EA	7 Gallon, Saccharum ravennae - Ravenna Grass	171.21	
32 93 13 00-0027	EA	1 Gallon, Spartina pectinata - Variegated Cord Grass	50.16	
32 93 13 00-0028	EA	2 Gallon, Spartina pectinata - Variegated Cord Grass	75.08	
32 93 13 00-0029	EA	1 Quart, Stipa gigantea - Giant Feather Grass	38.29	
32 93 13 00-0030	EA	1 Gallon, Stipa gigantea - Giant Feather Grass	53.36	
32 93 13 00-0031	EA	1 Gallon, Triglochin maritima - Arrow Grass	8.68	

32 93 13 00-0032 Ground Covers *(32 93 13)*

32 93 13 00-0033	EA	1 Gallon Agave Attenuata - Century Plant	12.72	
32 93 13 00-0034	EA	5 Gallon Agave Attenuata - Century Plant	34.30	
32 93 13 00-0035	EA	15 Gallon Agave Attenuata - Century Plant	113.42	
32 93 13 00-0036	EA	1 Gallon Ceanothus 'Carmel Creeper' - Wild Lilac	10.85	
32 93 13 00-0037	EA	5 Gallon Ceanothus 'Carmel Creeper' - Wild Lilac	30.21	
32 93 13 00-0038	EA	1 Gallon Ceanothus 'Yankee Point' - Wild Lilac	10.85	
32 93 13 00-0039	EA	5 Gallon Ceanothus 'Yankee Point' - Wild Lilac	28.22	
32 93 13 00-0040	EA	1 Gallon Dietes Vegata - Fortnight Lily	9.52	
32 93 13 00-0041	EA	5 Gallon Dietes Vegata - Fortnight Lily	23.46	
32 93 13 00-0042	EA	1 Gallon Juncus Patens ' Elk Blue' - California Gray Rush	17.68	
32 93 13 00-0043	EA	5 Gallon Juncus Patens ' Elk Blue' - California Gray Rush	46.45	
32 93 13 00-0044	EA	4" Pot Miscanthus 'Morning Light' - NCN	13.26	
32 93 13 00-0045	EA	20 Count Flat Miscanthus 'Morning Light' - NCN	195.54	
32 93 13 00-0046	EA	1 Gallon Nassella Tenuissima - Mexican Feather Grass	17.68	
32 93 13 00-0047	EA	1 Gallon Trachelospermum Jasminoides - Star Jasmine	9.61	
32 93 13 00-0048	EA	5 Gallon Trachelospermum Jasminoides - Star Jasmine	24.09	
32 93 13 00-0049	EA	1 Gallon Westringia Fruticosa - Coast Rosemary	9.52	
32 93 13 00-0050	EA	5 Gallon Westringia Fruticosa - Coast Rosemary	23.46	
32 93 13 00-0051	EA	15 Gallon Westringia Fruticosa - Coast Rosemary	96.27	
32 93 13 00-0052	EA	1 Quart Carex 'Bowles Golden' - Variegated Japanese Sedge	44.86	
32 93 13 00-0053	EA	1 Gallon Carex 'Bowles Golden' - Variegated Japanese Sedge	58.40	
32 93 13 00-0054	EA	2 Gallon Juniperus horizontalis 'Plumosa Compacta' - Andorra Creeping Juniper	73.91	
32 93 13 00-0055	EA	1 Quart Waldsteinia ternata - Barren Strawberry	12.69	
32 93 13 00-0056	EA	1 Gallon Waldsteinia ternata - Barren Strawberry	30.47	
32 93 13 00-0057	EA	1 Gallon Cotoneaster dammeri - Bearberry Cotoneaster	41.47	
32 93 13 00-0058	EA	2 Gallon Cotoneaster dammeri - Bearberry Cotoneaster	78.70	
32 93 13 00-0059	EA	5 Gallon Cotoneaster dammeri - Bearberry Cotoneaster	138.79	
32 93 13 00-0060	EA	1 Gallon Liriope muscari 'Big Blue' - Big Blue Liriope	14.20	
32 93 13 00-0061	EA	1 Gallon Distictis buccinatoria - Blood Red Trumpet Vine	26.24	
32 93 13 00-0062	EA	5 Gallon Distictis buccinatoria - Blood Red Trumpet Vine	92.25	
32 93 13 00-0063	EA	1 Gallon Juniperus horizontalis "Wiltoni' - Blue Rug Juniper	34.44	
32 93 13 00-0064	EA	4" Pot Parthenocissus tricuspidata - Boston Ivy	16.93	
32 93 13 00-0065	EA	1 Gallon Parthenocissus tricuspidata - Boston Ivy	38.59	
32 93 13 00-0066	EA	5 Gallon Parthenocissus tricuspidata - Boston Ivy	105.62	
32 93 13 00-0067	EA	3 Gallon Bougainvillea spectabilis - Bougainvillea	44.39	
32 93 13 00-0068	EA	1 Quart Iberis sempervirens - Candytuft	12.69	
32 93 13 00-0069	EA	1 Gallon Iberis sempervirens - Candytuft	30.47	
32 93 13 00-0070	EA	1 Gallon Gelsemium sempervirens - Carolina Jessamine	36.56	
32 93 13 00-0071	EA	5 Gallon Gelsemium sempervirens - Carolina Jessamine	132.02	
32 93 13 00-0072	EA	3" Pot Ajuga reptans - Carpet Bugle	7.62	
32 93 13 00-0073	EA	1 Quart Ajuga reptans - Carpet Bugle	12.69	
32 93 13 00-0074	EA	1 Gallon Ajuga reptans - Carpet Bugle	30.47	
32 93 13 00-0075	EA	24 Plant Flat Ajuga reptans - Carpet Bugle	131.17	
32 93 13 00-0076	EA	1 Gallon Macfadyena unguis-cati - Cat Claw Vine	30.47	
32 93 13 00-0077	EA	5 Gallon Macfadyena unguis-cati - Cat Claw Vine	132.02	
32 93 13 00-0078	EA	1 Gallon Wisteria sinensis - Chinese Wisteria Vine	39.78	
32 93 13 00-0079	EA	3 Gallon Wisteria sinensis - Chinese Wisteria Vine	88.02	
32 93 13 00-0080	EA	5 Gallon Wisteria sinensis - Chinese Wisteria Vine	132.02	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 13 00-0081	EA	1 Gallon Ranunculaceae - Clematis Varieties	43.73	
32 93 13 00-0082	EA	2 Gallon Ranunculaceae - Clematis Varieties	80.87	
32 93 13 00-0083	EA	1 Gallon Hydrangea petiolaris - Climbing Hydrangea	55.01	
32 93 13 00-0084	EA	2 Gallon Hydrangea petiolaris - Climbing Hydrangea	103.25	
32 93 13 00-0085	EA	5 Gallon Hydrangea petiolaris - Climbing Hydrangea	169.26	
32 93 13 00-0086	EA	4" Pot Lantana camera - Common Lantana	7.62	
32 93 13 00-0087	EA	1 Gallon Lantana camera - Common Lantana	22.00	
32 93 13 00-0088	EA	1 Gallon Gardenia jasminoides 'Radicans' - Creeping Gardenia	26.24	
32 93 13 00-0089	EA	5 Gallon Gardenia jasminoides 'Radicans' - Creeping Gardenia	86.32	
32 93 13 00-0090	EA	2 Quart Lysimachia nummularia - Creeping Jenny	12.69	
32 93 13 00-0091	EA	1 Gallon Lysimachia nummularia - Creeping Jenny	24.54	
32 93 13 00-0092	EA	2 Quart Liriope spicata - Creeping Lilytuft	22.00	
32 93 13 00-0093	EA	1 Gallon Liriope spicata - Creeping Lilytuft	39.78	
32 93 13 00-0094	EA	5 Gallon Liriope spicata - Creeping Lilytuft	83.78	
32 93 13 00-0095	EA	Bare Root Liriope spicata - Creeping Liriope	5.55	
32 93 13 00-0096	EA	3" Pot Rosmarinus officinalis 'Prostratus' - Creeping Rosemary	7.62	
32 93 13 00-0097	EA	1 Gallon Rosmarinus officinalis 'Prostratus' - Creeping Rosemary	30.47	
32 93 13 00-0098	EA	2-1/4" Pot Securigera varia - Crown Vetch	5.08	
32 93 13 00-0099	EA	50 Plant Flat Securigera varia - Crown Vetch	171.80	
32 93 13 00-0100	EA	1 Quart Senecio cineraria - Dusty Miller	12.69	
32 93 13 00-0101	EA	1 Gallon Senecio cineraria - Dusty Miller	30.47	
32 93 13 00-0102	EA	2 Gallon Aristolochia macrophylla - Dutchman's Pipe	105.79	
32 93 13 00-0103	EA	5 Gallon Aristolochia macrophylla - Dutchman's Pipe	193.80	
32 93 13 00-0104	EA	1 Gallon Ilex cornuta - Dwarf Holly	22.98	
32 93 13 00-0105	EA	3 Gallon Ilex cornuta - Dwarf Holly	49.26	
32 93 13 00-0106	EA	3 Gallon Rhaphiolepis umbellata 'Minor' - Dwarf Indian Hawthorn	49.26	
32 93 13 00-0107	EA	1 Gallon Tradescantia spathacea - Dwarf Oyster Plant	16.42	
32 93 13 00-0108	EA	2" To 3" Pot Hedera helix - English Ivy	7.62	
32 93 13 00-0109	EA	12" To 15" Runners Hedera helix - English Ivy	12.69	
32 93 13 00-0110	EA	1 Gallon Hedera helix - English Ivy	30.47	
32 93 13 00-0111	EA	50 Plant Flat Hedera helix - English Ivy	176.03	
32 93 13 00-0112	EA	4" Pot Lavandula angustifolia - English Lavender	11.00	
32 93 13 00-0113	EA	1 Quart Lavandula angustifolia - English Lavender	21.16	
32 93 13 00-0114	EA	1 Gallon Lavandula angustifolia - English Lavender	34.70	
32 93 13 00-0115	EA	1 Gallon Euonymus fortunei 'Kewensis' - Wintercreeper	33.01	
32 93 13 00-0116	EA	2 Gallon Euonymus fortunei 'Kewensis' - Wintercreeper	66.01	
32 93 13 00-0117	EA	1 Quart Arundo donax - Giant Reed	40.62	
32 93 13 00-0118	EA	1 Gallon Arundo donax - Giant Reed	58.40	
32 93 13 00-0119	EA	1 Gallon Lonicera x heckrottii - Gold Flame Honeysuckle	34.70	
32 93 13 00-0120	EA	2 Gallon Lonicera x heckrottii - Gold Flame Honeysuckle	66.01	
32 93 13 00-0121	EA	1 Quart Hakonechloa macra 'Aureola' - Golden Variegated Hakone Grass	44.86	
32 93 13 00-0122	EA	1 Gallon Hakonechloa macra 'Aureola' - Golden Variegated Hakone Grass	67.71	
32 93 13 00-0123	EA	3" Pot Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle	7.62	
32 93 13 00-0124	EA	1 Gallon Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle	34.70	
32 93 13 00-0125	EA	2 Gallon Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle	66.01	
32 93 13 00-0126	EA	1 Gallon Hardenbergia violacea - Happy Wanderer	30.47	
32 93 13 00-0127	EA	5 Gallon Hardenbergia violacea - Happy Wanderer	101.56	
32 93 13 00-0128	EA	3 Gallon Hibiscus, Assorted Colors	39.68	
32 93 13 00-0129	EA	1 Gallon Acorus gramineus - Japanese Sweet Flag	31.74	
32 93 13 00-0130	EA	1 Gallon Jasminum volubile - Wax Jasmine	15.99	
32 93 13 00-0131	EA	1 Gallon Jasminum volubile - Wax Jasmine	39.68	
32 93 13 00-0132	EA	1 Gallon Juniperus davurica 'Parsonii' - Parson's Juniper	19.94	
32 93 13 00-0133	EA	3 Gallon Juniperus davurica 'Parsonii' - Parson's Juniper	44.39	
32 93 13 00-0134	EA	1 Gallon Cissus antarctica - Kangaroo Vine	24.54	
32 93 13 00-0135	EA	5 Gallon Cissus antarctica - Kangaroo Vine	77.01	
32 93 13 00-0136	EA	1 Quart Stachys byzantina - Lamb's Ear	12.69	
32 93 13 00-0137	EA	1 Quart Stachys byzantina - Lamb's Ear	30.47	
32 93 13 00-0138	EA	1 Gallon Lantana spp. Various Colors	17.96	
32 93 13 00-0139	EA	1 Gallon Lantana sellowiana - Trailing Lantana	11.82	
32 93 13 00-0140	EA	1 Gallon Cocculus laurifolius - Laurel-leaf Snailseed	24.54	
32 93 13 00-0141	EA	5 Gallon Cocculus laurifolius - Laurel-leaf Snailseed	88.01	
32 93 13 00-0142	EA	1 Gallon Liriope Evergreen Giant, 6 To 8 Bibs Minimum	17.96	
32 93 13 00-0143	EA	1 Gallon Variegated Liriope Evergreen Giant, 6 To 8 Bibs Minimum	22.66	
32 93 13 00-0144	EA	3 Gallon Variegated Liriope Evergreen Giant, 6 To 8 Bibs Minimum	36.24	
32 93 13 00-0145	EA	1 Quart Moss Phlox, Creeping Phlox	12.69	
32 93 13 00-0146	EA	1 Gallon Moss Phlox, Creeping Phlox	30.47	
32 93 13 00-0147	EA	1 Gallon Nephrolepis exaltata - Common Boston Fern	15.99	
32 93 13 00-0148	EA	4" Pot Ophiopogon Japonicus - Mondo grass	7.62	
32 93 13 00-0149	EA	1 Gallon Ophiopogon Japonicus - Mondo grass	30.47	
32 93 13 00-0150	EA	5 Gallon Ophiopogon Japonicus - Mondo grass	70.24	
32 93 13 00-0151	EA	2' To 3' High Oregon Holly-Grape	35.17	
32 93 13 00-0152	EA	1 Gallon Pachysandra terminalis - Pachysandra	45.81	
32 93 13 00-0153	EA	2-1/4" Pot Vinca minor - Periwinkle	4.23	
32 93 13 00-0154	EA	4" Pot Vinca minor - Periwinkle	12.69	
32 93 13 00-0155	EA	Bare Root Vinca minor - Periwinkle	4.23	
32 93 13 00-0156	EA	1 Quart Nepeta mussinii - Persian Catmint	12.69	
32 93 13 00-0157	EA	1 Gallon Nepeta mussinii - Persian Catmint	26.24	
32 93 13 00-0158	EA	1 Gallon Coprosma kirkii - Prostrate Coprosma	21.16	
32 93 13 00-0159	EA	5 Gallon Coprosma kirkii - Prostrate Coprosma	77.01	
32 93 13 00-0160	EA	1 Gallon Juniperus Horizontalis - Prostrate Juniper	34.70	
32 93 13 00-0161	EA	3 Gallon Juniperus Horizontalis - Prostrate Juniper	74.47	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 13 00-0162	EA	5 Gallon Juniperus Horizontalis - Prostrate Juniper	110.02	
32 93 13 00-0163	EA	1 Quart Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper	30.22	
32 93 13 00-0164	EA	1 Gallon Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper	78.30	
32 93 13 00-0165	EA	24 Plant Flat Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper	131.17	
32 93 13 00-0166	EA	1 Gallon Tradescantia spathacea - Rhoeo Discolor "Dwarf"	15.99	
32 93 13 00-0167	EA	1 Quart Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue	17.77	
32 93 13 00-0168	EA	1 Gallon Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue	31.74	
32 93 13 00-0169	EA	2 Gallon Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue	49.51	
32 93 13 00-0170	EA	1 Gallon Hymenocallis latifolia - Spider Lily	19.70	
32 93 13 00-0171	EA	3 Gallon Hymenocallis latifolia - Spider Lily	52.54	
32 93 13 00-0172	EA	1 Quart Hypericum perforatum - St. John's Wort	12.69	
32 93 13 00-0173	EA	1 Gallon Hypericum perforatum - St. John's Wort	30.47	
32 93 13 00-0174	EA	5 Gallon Hypericum perforatum - St. John's Wort	78.70	
32 93 13 00-0175	EA	24" To 30" High Viburnum awabuki - Sweet Viburnum	107.11	
32 93 13 00-0176	EA	1 Gallon Campsis radicans - Trumpet Creeper	46.55	
32 93 13 00-0177	EA	2 Gallon Campsis radicans - Trumpet Creeper	70.24	
32 93 13 00-0178	EA	5 Gallon Campsis radicans - Trumpet Creeper	169.26	
32 93 13 00-0179	EA	2-1/4" Pot Vinca major - Variegated Greater Periwinkle	4.23	
32 93 13 00-0180	EA	4" Pot Vinca major - Variegated Greater Periwinkle	12.69	
32 93 13 00-0181	EA	Bare Root Vinca major - Variegated Greater Periwinkle	4.23	
32 93 13 00-0182	EA	1 Quart Carex hachijoensis - Variegated Japanese Sedge	22.85	
32 93 13 00-0183	EA	1 Gallon Carex hachijoensis - Variegated Japanese Sedge	31.74	
32 93 13 00-0184	EA	2 Gallon Carex hachijoensis - Variegated Japanese Sedge	49.51	
32 93 13 00-0185	EA	1 Gallon Liriope muscari 'Variegata' - Variegated Lilyturf	34.70	
32 93 13 00-0186	EA	2 Quart Verbena peruviana "St. Paul" - St. Paul Verbena	16.08	
32 93 13 00-0187	EA	1 Gallon Verbena peruviana "St. Paul" - St. Paul Verbena	24.54	
32 93 13 00-0188	EA	48 Plant Flat Vinca minor - Lesser Periwinkle	150.84	
32 93 13 00-0189	EA	3" Pot Parthenocissus quinquefolia - Virginia Creeper	7.62	
32 93 13 00-0190	EA	1 Gallon Parthenocissus quinquefolia - Virginia Creeper	39.78	
32 93 13 00-0191	EA	1 Gallon Jasminum polyanthum - Winter Jasmine	30.47	
32 93 13 00-0192	EA	2 Gallon Jasminum polyanthum - Winter Jasmine	60.93	
32 93 13 00-0193	EA	5 Gallon Jasminum polyanthum - Winter Jasmine	105.79	
32 93 13 00-0194	EA	1 Gallon Cistaceae - Wrinkleleaf Rock Rose	24.54	
32 93 13 00-0195	EA	5 Gallon Cistaceae - Wrinkleleaf Rock Rose	83.78	
32 93 13 00-0196	EA	1 Gallon Acmispon galaber - Common Deerweed	11.09	
32 93 13 00-0197	EA	1 Gallon Acacia redolens - Bank Catclaw	4.60	
32 93 13 00-0198	EA	5 Gallon Acacia redolens - Bank Catclaw	14.26	
32 93 13 00-0199	EA	15 Gallon Acacia redolens - Bank Catclaw	55.46	
32 93 13 00-0200	EA	1 Gallon Achillea filipendulina - Fernleaf Yarrow	6.81	
32 93 13 00-0201	EA	1 Gallon Achillea millefolium - Common Yarrow	6.18	
32 93 13 00-0202	EA	5 Gallon Achillea millefolium - Common Yarrow	19.02	
32 93 13 00-0203	EA	1 Gallon Achillea millefolium 'Paprika' - Red Yarrow	6.81	
32 93 13 00-0204	EA	1 Gallon Achillea 'Moonshine' - Yellow yarrow	6.81	
32 93 13 00-0205	EA	1 Gallon Agave americana - Century Plant	9.35	
32 93 13 00-0206	EA	5 Gallon Agave americana - Century Plant	25.36	
32 93 13 00-0207	EA	15 Gallon Agave americana - Century Plant	77.65	
32 93 13 00-0208	EA	24" Box Agave americana - Century Plant	277.32	
32 93 13 00-0209	EA	1 Gallon Agave vilmoriniana - Octopus Agave	9.35	
32 93 13 00-0210	EA	5 Gallon Agave vilmoriniana - Octopus Agave	25.36	
32 93 13 00-0211	EA	15 Gallon Agave vilmoriniana - Octopus Agave	77.65	
32 93 13 00-0212	EA	24" Box Agave vilmoriniana - Octopus Agave	277.32	
32 93 13 00-0213	EA	5 Gallon Nolina parryi - Giant Nolina	25.36	

32 93 23 Plants and Bulbs *(32 93)*

Note: Materials only. See CSI section 32 93 83 00-0062 for installation and planting of bulbs and annuals.

32 93 23 00-0001 Perennials *(32 93 23)*

32 93 23 00-0002	EA	2 Quart Assorted Daylilies	24.54	
32 93 23 00-0003	EA	1 Gallon Assorted Daylilies	34.70	
32 93 23 00-0004	EA	2 Gallon Assorted Daylilies	57.55	
32 93 23 00-0005	EA	1 Quart Azure Penstemon	12.69	
32 93 23 00-0006	EA	1 Gallon Azure Penstemon	31.74	
32 93 23 00-0007	EA	1 Quart Balloon Flower	12.69	
32 93 23 00-0008	EA	1 Gallon Balloon Flower	31.74	
32 93 23 00-0009	EA	1 Quart Black-eyed Susan	12.69	
32 93 23 00-0010	EA	1 Gallon Black-eyed Susan	31.74	
32 93 23 00-0011	EA	2 Gallon Black-eyed Susan	41.05	
32 93 23 00-0012	EA	1 Quart Blackberry Lily	12.69	
32 93 23 00-0013	EA	1 Gallon Blackberry Lily	31.74	
32 93 23 00-0014	EA	1 Quart Blank Flower	12.69	
32 93 23 00-0015	EA	1 Gallon Blank Flower	29.20	
32 93 23 00-0016	EA	2 Gallon Blank Flower	41.05	
32 93 23 00-0017	EA	1 Quart Blazing Star, Gayfeather	12.69	
32 93 23 00-0018	EA	1 Gallon Blazing Star, Gayfeather	31.74	
32 93 23 00-0019	EA	1 Quart Bloodred Geranium	21.58	
32 93 23 00-0020	EA	1 Gallon Bloodred Geranium	36.39	
32 93 23 00-0021	EA	1 Quart Blue Plumbago	12.69	
32 93 23 00-0022	EA	1 Gallon Blue Plumbago	31.74	
32 93 23 00-0023	EA	1 Quart Blue Star	22.85	
32 93 23 00-0024	EA	1 Gallon Blue Star	36.39	
32 93 23 00-0025	EA	1 Quart Cardinal Flower	12.69	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 23 00-0026	EA	1 Gallon Cardinal Flower	31.74	
32 93 23 00-0027	EA	4" Pot Columbine	7.62	
32 93 23 00-0028	EA	1 Quart Columbine	12.69	
32 93 23 00-0029	EA	1 Gallon Columbine	31.74	
32 93 23 00-0030	EA	1 Quart Common Globeflower	12.69	
32 93 23 00-0031	EA	1 Gallon Common Globeflower	31.74	
32 93 23 00-0032	EA	1 Quart Cottage Pink, Scotch Pink	12.69	
32 93 23 00-0033	EA	1 Quart Cottage Pink, Scotch Pink	31.74	
32 93 23 00-0034	EA	1 Gallon Astilbe 'Deutschland'	45.70	
32 93 23 00-0035	EA	1 Quart Diploid	16.08	
32 93 23 00-0036	EA	1 Gallon Diploid	36.39	
32 93 23 00-0037	EA	3 Gallon Diploid	62.63	
32 93 23 00-0038	EA	4" Pot Dune Sunflower	18.12	
32 93 23 00-0039	EA	1 Quart Evans Begonia	22.85	
32 93 23 00-0040	EA	1 Gallon Evans Begonia	41.05	
32 93 23 00-0041	EA	1 Quart False Dragonhead	12.69	
32 93 23 00-0042	EA	1 Gallon False Dragonhead	31.74	
32 93 23 00-0043	EA	1 Quart False Spirea	12.69	
32 93 23 00-0044	EA	1 Gallon False Spirea	41.05	
32 93 23 00-0045	EA	3 Gallon False Spirea	56.70	
32 93 23 00-0046	EA	2 Quart False Sunflower	20.31	
32 93 23 00-0047	EA	1 Gallon False Sunflower	31.74	
32 93 23 00-0048	EA	2 Gallon False Sunflower	41.05	
32 93 23 00-0049	EA	1 Gallon Foxglove	29.20	
32 93 23 00-0050	EA	2 Gallon Foxglove	41.05	
32 93 23 00-0051	EA	3 Gallon Foxglove	59.24	
32 93 23 00-0052	EA	1 Gallon Francee Hostas	51.39	
32 93 23 00-0053	EA	1 Quart Garden Phlox	12.69	
32 93 23 00-0054	EA	1 Gallon Garden Phlox	31.74	
32 93 23 00-0055	EA	2 Quart Golden Groundsel	27.08	
32 93 23 00-0056	EA	2 Gallon Golden Groundsel	54.59	
32 93 23 00-0057	EA	1 Quart Golden Star	12.69	
32 93 23 00-0058	EA	1 Gallon Golden Star	31.74	
32 93 23 00-0059	EA	1 Quart Goldenrod	12.69	
32 93 23 00-0060	EA	1 Gallon Goldenrod	31.74	
32 93 23 00-0061	EA	1 Gallon Happy Returns Daylillies	59.10	
32 93 23 00-0062	EA	4" Pot Hardy Aster, Michaelmas Daisy	7.62	
32 93 23 00-0063	EA	1 Quart Hardy Aster, Michaelmas Daisy	12.69	
32 93 23 00-0064	EA	1 Gallon Hardy Aster, Michaelmas Daisy	31.74	
32 93 23 00-0065	EA	1 Quart Hardy Chrysanthemum	11.01	
32 93 23 00-0066	EA	6" To 8" Pot Hardy Chrysanthemum	18.20	
32 93 23 00-0067	EA	1 Gallon Hardy Chrysanthemum	29.20	
32 93 23 00-0068	EA	1 Gallon Herbaceous Peony	45.28	
32 93 23 00-0069	EA	2 Gallon Herbaceous Peony	72.36	
32 93 23 00-0070	EA	3 Gallon Herbaceous Peony	95.21	
32 93 23 00-0071	EA	4" Pot Japanese Anemone	7.62	
32 93 23 00-0072	EA	1 Quart Japanese Anemone	22.85	
32 93 23 00-0073	EA	2 Gallon Japanese Anemone	41.05	
32 93 23 00-0074	EA	2" Pot Japanese Spurge	4.51	
32 93 23 00-0075	EA	6" Pot Japanese Spurge	6.77	
32 93 23 00-0076	EA	1 Gallon Japanese Spurge	29.15	
32 93 23 00-0077	EA	1 Quart Oriental Poppy	18.20	
32 93 23 00-0078	EA	1 Gallon Oriental Poppy	36.39	
32 93 23 00-0079	EA	48 Plant Flat Pachysandra terminalis	150.84	
32 93 23 00-0080	EA	1 Gallon Pacific Coast Iris	24.97	
32 93 23 00-0081	EA	3 Gallon Pacific Coast Iris	47.40	
32 93 23 00-0082	EA	1 Gallon Palace Purple Coral Bells	48.05	
32 93 23 00-0083	EA	4" Pot Perennial Salvia	7.62	
32 93 23 00-0084	EA	1 Quart Perennial Salvia	12.69	
32 93 23 00-0085	EA	1 Gallon Perennial Salvia	31.74	
32 93 23 00-0086	EA	1 Quart Pincushion Flower	12.69	
32 93 23 00-0087	EA	1 Gallon Pincushion Flower	31.74	
32 93 23 00-0088	EA	2 Quart Plantain Lily	24.54	
32 93 23 00-0089	EA	1 Gallon Plantain Lily	34.70	
32 93 23 00-0090	EA	2 Gallon Plantain Lily	57.55	
32 93 23 00-0091	EA	3 Gallon Plantain Lily	108.76	
32 93 23 00-0092	EA	2 Quart Purple Coneflower	22.85	
32 93 23 00-0093	EA	1 Gallon Purple Coneflower	31.74	
32 93 23 00-0094	EA	2 Gallon Purple Coneflower	41.05	
32 93 23 00-0095	EA	1 Quart Purple Loosestrife	12.69	
32 93 23 00-0096	EA	1 Gallon Purple Loosestrife	31.74	
32 93 23 00-0097	EA	1 Quart Rose Mallow	24.97	
32 93 23 00-0098	EA	2 Gallon Rose Mallow	45.28	
32 93 23 00-0099	EA	3 Gallon Rose Mallow	77.44	
32 93 23 00-0100	EA	1 Gallon Autumn Joy Sedum	48.39	
32 93 23 00-0101	EA	1 Quart Siberian Iris	21.58	
32 93 23 00-0102	EA	2 Gallon Siberian Iris	41.05	
32 93 23 00-0103	EA	3 Gallon Siberian Iris	56.70	
32 93 23 00-0104	EA	1 Quart Speedwell	12.69	
32 93 23 00-0105	EA	1 Gallon Speedwell	31.74	
32 93 23 00-0106	EA	1 Quart Tetraploid	31.74	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 23 00-0107	EA	1 Gallon Tetraploid	59.24	
32 93 23 00-0108	EA	3 Gallon Tetraploid	80.83	
32 93 23 00-0109	EA	1 Quart Threadleaf Coreopsis	12.69	
32 93 23 00-0110	EA	1 Gallon Threadleaf Coreopsis	31.74	
32 93 23 00-0111	EA	1 Quart Torch Lily	12.69	
32 93 23 00-0112	EA	1 Quart Bluebeard	22.85	
32 93 23 00-0113	EA	1 Gallon Bluebeard	33.86	
32 93 23 00-0114	EA	2 Gallon Bluebeard	49.51	
32 93 23 00-0115	EA	1 Gallon Anemopsis californica - Yerba Mansa	13.01	
32 93 23 00-0116	EA	1 Gallon Artemisia palmeri - San Diego Sagewort	11.56	
32 93 23 00-0117	EA	1 Gallon Arthrocnemum subterminale - Parish's Pickleweed	14.46	
32 93 23 00-0118	EA	1 Gallon Cressa truxillensis - Alkali Weed	14.46	
32 93 23 00-0119	EA	1 Gallon Frankenia salina - Alkali Heath	11.56	
32 93 23 00-0120	EA	4" Pot Jaumea carnosa - Salt Marsh Daisy	5.79	
32 93 23 00-0121	EA	1 Gallon Jaumea carnosa - Salt Marsh Daisy	11.58	
32 93 23 00-0122	EA	1 Gallon Juncus acutus - Spiny Rush	11.56	
32 93 23 00-0123	EA	5 Gallon Juncus acutus - Spiny Rush	30.25	
32 93 23 00-0124	EA	1 Gallon Limonium californicum - Sea Lavender	11.56	
32 93 23 00-0125	EA	1 Gallon Salicornia virginica - Deer Weed	11.56	
32 93 23 00-0126	EA	1 Gallon Suaeda esteroa - Sea Blite	14.46	
32 93 23 00-0127	EA	1 Gallon Suaeda taxifolia - Wooly Sea Blite	11.56	
32 93 23 00-0128		**Annuals** *(32 93 23)*		
32 93 23 00-0129	EA	2-1/2" Pot Annual Flowers	5.89	
32 93 23 00-0130	EA	3" Pot Annual Flowers	7.97	
32 93 23 00-0131	EA	4" Pot Annual Flowers	17.03	
32 93 23 00-0132	EA	5-1/2" Pot Annual Flowers	22.65	
32 93 23 00-0133	EA	6" Pot Annual Flowers	44.84	
32 93 23 00-0134	EA	8" Pot Annual Flowers	74.74	
32 93 23 00-0135	EA	36 Plant Flat Annual Flowers	97.84	
32 93 23 00-0136	EA	48 Plant Flat Annual Flowers	110.98	
32 93 23 00-0137		**Bulbs** *(32 93 23)*		
32 93 23 00-0138	EA	Top Size Allium giganteum - Giant Ornamental Onion	20.48	
32 93 23 00-0139	EA	Top Size Allium sphaerocephalum - Drumstick Ornamental Onion	1.18	
32 93 23 00-0140	EA	Top Size Crocus Hybrid	1.34	
32 93 23 00-0141	EA	Top Size Eranthis hyemalis - Winter Aconite	1.73	
32 93 23 00-0142	EA	Top Size Galanthus nivalis - Snowdrops	2.21	
32 93 23 00-0143	EA	Top Size Iris reticulata cvs - Dutch Iris	0.87	
32 93 23 00-0144	EA	Top Size Muscari armeniacum - Grape Hyacinth	1.02	
32 93 23 00-0145	EA	Top Size Muscari latifolium - Grape Hyacinth	1.18	
32 93 23 00-0146	EA	Narcissus 'Carlton' - Carlton Daffodil DNI	7.09	
32 93 23 00-0147	EA	Narcissus 'Dutch Master' - Dutch Master Daffodil DNI	3.39	
32 93 23 00-0148	EA	Narcissus 'February Gold' - February Gold Daffodil DNI	3.54	
32 93 23 00-0149	EA	Narcissus 'Ice Follies' - Ice Follies Daffodil DNI	3.54	
32 93 23 00-0150	EA	Narcissus 'Mount Hood' - Mount Hood Daffodil DNI	3.70	
32 93 23 00-0151	EA	Narcissus 'Papillon Blanc' - Papillon Blanc Daffodil DNI	3.94	
32 93 23 00-0152	EA	Narcissus 'Pipit' - Pipit Daffodil DNI	3.70	
32 93 23 00-0153	EA	Narcissus 'Salome' - Salome Daffodil DNI	3.47	
32 93 23 00-0154	EA	Narcissus 'Tete A Tete' - Tete A Tete Daffodil DNI	3.70	
32 93 23 00-0155	EA	Narcissus 'Thalia' - Thalia Daffodil DNI	3.70	
32 93 23 00-0156	EA	Top Size Scilla siberica - Siberian Squill	1.10	
32 93 23 00-0157	EA	Top Size Tulip 'Angelique' - Angelique Tulip	3.15	
32 93 23 00-0158	EA	Top Size Tulip 'Apeldoorn' - Apeldoorn Tulip	2.36	
32 93 23 00-0159	EA	Top Size Tulip 'Apricot Beauty' - Apricot Beauty Tulip	3.15	
32 93 23 00-0160	EA	Top Size Tulip 'Big Smile' - Big Smile Tulip	2.76	
32 93 23 00-0161	EA	Top Size Tulip 'Black Parrot' - Black Parrot Tulip	3.94	
32 93 23 00-0162	EA	Top Size Tulip 'Blue Heron' - Blue Heron Tulip	2.99	
32 93 23 00-0163	EA	Top Size Tulip 'Cardinal' - Cardinal Tulip	2.60	
32 93 23 00-0164	EA	Top Size Tulip 'Christmas Marvel' - Christmas Marvel Tulip	2.91	
32 93 23 00-0165	EA	Top Size Tulip clusiana - Species Tulip	2.91	
32 93 23 00-0166	EA	Top Size Tulip 'Elizabeth Arden' - Elizabeth Arden Tulip	2.91	
32 93 23 00-0167	EA	Top Size Tulip 'Golden Apledoorn' - Golden Apledoorn Tulip	2.36	
32 93 23 00-0168	EA	Top Size Tulip 'Golden Emperor' - Golden Emperor Tulip	2.28	
32 93 23 00-0169	EA	Top Size Tulip 'Halcro' - Halcro Tulip	2.36	
32 93 23 00-0170	EA	Top Size Tulip 'Ivory Floridale' - Ivory FloradaleTulip	3.94	
32 93 23 00-0171	EA	Top Size Tulip 'Orange Emperor' - Orange Emperor Tulip	2.36	
32 93 23 00-0172	EA	Top Size Tulip 'Passionale' - Passionale Tulip	3.15	
32 93 23 00-0173	EA	Top Size Tulip 'Peach Blossom' - Peach Blossom Tulip	3.39	
32 93 23 00-0174	EA	Top Size Tulip 'Peer Gynt' - Peer Gynt Tulip	3.54	
32 93 23 00-0175	EA	Top Size Tulip 'Pink Diamond' - Pink Diamond Tulip	2.84	
32 93 23 00-0176	EA	Top Size Tulip 'Pink Emperor' - Pink Emperor Tulip	2.68	
32 93 23 00-0177	EA	Top Size Tulip praetens 'Fusilier' - Praetens Fusilier Tulip	2.91	
32 93 23 00-0178	EA	Top Size Tulip 'Princeps' - Princeps Tulip	2.91	
32 93 23 00-0179	EA	Top Size Tulip 'Red Riding Hood' - Red Riding Hood Tulip	2.28	
32 93 23 00-0180	EA	Top Size Tulip saxatilis - Species Tulip	1.58	
32 93 23 00-0181	EA	Top Size Tulip 'Shirley - Shirley Tulip	2.36	
32 93 23 00-0182	EA	Top Size Tulip 'Spring Green' - Spring Green Tulip	3.07	
32 93 23 00-0183	EA	Top Size Tulip 'White Emperor' - White Emperor Tulip	2.36	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33		**Shrubs** *(32 93)* Note: (cvs = cultivar or cultivated varities) materials only. See CSI section 32 93 83 00-0038 for installation and planting of shurbs.		
32 93 33 00-0001		Shrubs *(32 93 33)*		
32 93 33 00-0002	EA	1 Gallon Abelia x grandiflora - Abelia	21.60	
32 93 33 00-0003	EA	3 Gallon Abelia x grandiflora - Abelia	43.99	
32 93 33 00-0004	EA	5 Gallon Abelia x grandiflora - Abelia	84.44	
32 93 33 00-0005	EA	3 Gallon Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	101.16	
32 93 33 00-0006	EA	18" Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	147.84	
32 93 33 00-0007	EA	24" Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	164.96	
32 93 33 00-0008	EA	30" Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	208.54	
32 93 33 00-0009	EA	36" Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	231.88	
32 93 33 00-0010	EA	18" Balled and Burlapped, Aesculus parviflora - Bottlebrush Buckeye	46.69	
32 93 33 00-0011	EA	24" Balled and Burlapped, Aesculus parviflora - Bottlebrush Buckeye	62.25	
32 93 33 00-0012	EA	30" Balled and Burlapped, Aesculus parviflora - Bottlebrush Buckeye	77.81	
32 93 33 00-0013	EA	36" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry	42.46	
32 93 33 00-0014	EA	42" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry	49.95	
32 93 33 00-0015	EA	48" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry	59.94	
32 93 33 00-0016	EA	60" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry	69.93	
32 93 33 00-0017	EA	72" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry	84.92	
32 93 33 00-0018	EA	36" Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry	41.21	
32 93 33 00-0019	EA	42" Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry	43.71	
32 93 33 00-0020	EA	48" Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry	46.21	
32 93 33 00-0021	EA	60" Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry	52.45	
32 93 33 00-0022	EA	36" Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry	41.84	
32 93 33 00-0023	EA	42" Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry	44.33	
32 93 33 00-0024	EA	48" Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry	46.83	
32 93 33 00-0025	EA	60" Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry	49.33	
32 93 33 00-0026	EA	1 Gallon Aspidistra elatior - Cast Iron Plant	8.59	
32 93 33 00-0027	EA	2 Gallon Aspidistra elatior - Cast Iron Plant	19.86	
32 93 33 00-0028	EA	1 Gallon Baccharis pilularis 'Pigeon Point' - Dwarf Coyote Brush	9.61	
32 93 33 00-0029	EA	5 Gallon Baccharis pilularis 'Pigeon Point' - Dwarf Coyote Brush	23.78	
32 93 33 00-0030	EA	1 Gallon Baccharis pilularis 'Twin Peaks' - Dwarf Coyote Brush	9.61	
32 93 33 00-0031	EA	5 Gallon Baccharis pilularis 'Twin Peaks' - Dwarf Coyote Brush	23.78	
32 93 33 00-0032	EA	1 Gallon Aucuba japonica "Variegata" - Gold Dust Plant	10.06	
32 93 33 00-0033	EA	3 Gallon Aucuba japonica "Variegata" - Gold Dust Plant	22.14	
32 93 33 00-0034	EA	5 Gallon Aucuba japonica "Variegata" - Gold Dust Plant	29.92	
32 93 33 00-0035	EA	1 Gallon Bauhinia purpurea - Orange-eye Butterfly Bush	10.73	
32 93 33 00-0036	EA	2 Gallon Bauhinia purpurea - Orange-eye Butterfly Bush	15.70	
32 93 33 00-0037	EA	15" To 18" Berberis - Northern Bayberry	44.81	
32 93 33 00-0038	EA	2' To 2-1/2' Berberis - Northern Bayberry	56.88	
32 93 33 00-0039	EA	2-1/2' To 3' Berberis - Northern Bayberry	79.69	
32 93 33 00-0040	EA	1 Gallon Berberis Buxifolia 'Nana' - Barberry	10.85	
32 93 33 00-0041	EA	5 Gallon Berberis Buxifolia 'Nana' - Barberry	26.15	
32 93 33 00-0042	EA	18" To 24" Berberis julianae - Dwarf Wintergreen Barberry	47.89	
32 93 33 00-0043	EA	2' To 2-1/2' Berberis julianae - Dwarf Wintergreen Barberry	61.31	
32 93 33 00-0044	EA	2-1/2' To 3' Berberis julianae - Dwarf Wintergreen Barberry	78.35	
32 93 33 00-0045	EA	1 Gallon Berberis thunbergii - Crimson Pygmy Barberry	12.88	
32 93 33 00-0046	EA	2 Gallon Berberis thunbergii - Crimson Pygmy Barberry	25.36	
32 93 33 00-0047	EA	3 Gallon Berberis thunbergii - Crimson Pygmy Barberry	30.99	
32 93 33 00-0048	EA	1 Gallon Berberis x mentorensis - Mentor Barberry	12.21	
32 93 33 00-0049	EA	5 Gallon Berberis x mentorensis - Mentor Barberry	34.48	
32 93 33 00-0050	EA	2' To 3' Berberis x mentorensis - Mentor Barberry	47.89	
32 93 33 00-0051	EA	3' To 4' Berberis x mentorensis - Mentor Barberry	73.92	
32 93 33 00-0052	EA	1 Gallon Buxus microphylla japonica - Japanese Boxwood	13.95	
32 93 33 00-0053	EA	5 Gallon Buxus microphylla japonica - Japanese Boxwood	37.43	
32 93 33 00-0054	EA	12" To 15" Buxus microphylla japonica - Japanese Boxwood	39.85	
32 93 33 00-0055	EA	15" To 18" Buxus microphylla japonica - Japanese Boxwood	51.25	
32 93 33 00-0056	EA	18" To 24" Buxus microphylla japonica - Japanese Boxwood	68.29	
32 93 33 00-0057	EA	24" To 30" Buxus microphylla japonica - Japanese Boxwood	102.50	
32 93 33 00-0058	EA	30" To 36" Buxus microphylla japonica - Japanese Boxwood	142.34	
32 93 33 00-0059	EA	12" To 15" Buxus sempervirens - Common Boxwood	39.85	
32 93 33 00-0060	EA	15" To 18" Buxus sempervirens - Common Boxwood	51.25	
32 93 33 00-0061	EA	18" To 24" Buxus sempervirens - Common Boxwood	68.29	
32 93 33 00-0062	EA	24" To 30" Buxus sempervirens - Common Boxwood	102.50	
32 93 33 00-0063	EA	2 Gallon Buxus Hybrid - Boxwood Cultivars	26.23	
32 93 33 00-0064	EA	5 Gallon Buxus Hybrid - Boxwood Cultivars	43.71	
32 93 33 00-0065	EA	5 Gallon Buxus microphylla & cvs - Little leaf Boxwood	114.89	
32 93 33 00-0066	EA	18" Balled and Burlapped, Buxus microphylla & cvs - Little leaf Boxwood	62.44	
32 93 33 00-0067	EA	24" Balled and Burlapped, Buxus microphylla & cvs - Little leaf Boxwood	84.92	
32 93 33 00-0068	EA	30" Balled and Burlapped, Buxus microphylla & cvs - Little leaf Boxwood	114.89	
32 93 33 00-0069	EA	1 Gallon Callistemon citrinus ' Little John' - Dwarf Bottle Bush	6.18	
32 93 33 00-0070	EA	5 Gallon Callistemon citrinus ' Little John' - Dwarf Bottle Bush	19.02	
32 93 33 00-0071	EA	15 Gallon Callistemon citrinus ' Little John' - Dwarf Bottle Bush	61.80	
32 93 33 00-0072	EA	5 Gallon Calycanthus floridus - Common Sweetshrub	41.21	
32 93 33 00-0073	EA	30" Balled and Burlapped, Calycanthus floridus - Common Sweetshrub	37.46	
32 93 33 00-0074	EA	36" Balled and Burlapped, Calycanthus floridus - Common Sweetshrub	49.95	
32 93 33 00-0075	EA	1 Gallon Camellia "Sasanqua" - Camellia	16.00	
32 93 33 00-0076	EA	3 Gallon Camellia "Sasanqua" - Camellia	34.13	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0077	EA	5 Gallon Camellia "Sasanqua" - Camellia	56.75	
32 93 33 00-0078	EA	7 Gallon Camellia "Sasanqua" - Camellia	84.50	
32 93 33 00-0079	EA	15 Gallon Camellia "Sasanqua" - Camellia	219.24	
32 93 33 00-0080	EA	1 Gallon Camellia japonica - Camellia	16.00	
32 93 33 00-0081	EA	3 Gallon Camellia japonica - Camellia	34.13	
32 93 33 00-0082	EA	5 Gallon Camellia japonica - Camellia	56.75	
32 93 33 00-0083	EA	5 Gallon Ceanothus americanus - New Jersey Tea	41.21	
32 93 33 00-0084	EA	1 Gallon Ceanothus Griseus Horizontalis 'Yankee Point' - Yankee Point Ceanothus	10.85	
32 93 33 00-0085	EA	5 Gallon Ceanothus Griseus Horizontalis 'Yankee Point' - Yankee Point Ceanothus	28.22	
32 93 33 00-0086	EA	5 Gallon Celastrus scandens - Bittersweet	41.21	
32 93 33 00-0087	EA	36" Balled and Burlapped, Celastrus scandens - Bittersweet	34.97	
32 93 33 00-0088	EA	5 Gallon Cephalanthus occidentalis - Buttonbush	41.21	
32 93 33 00-0089	EA	24" Balled and Burlapped, Cephalanthus occidentalis - Buttonbush	31.22	
32 93 33 00-0090	EA	30" Balled and Burlapped, Cephalanthus occidentalis - Buttonbush	34.97	
32 93 33 00-0091	EA	36" Balled and Burlapped, Cephalanthus occidentalis - Buttonbush	37.46	
32 93 33 00-0092	EA	18" To 24" Chaenomeles speciosa - Flowering Quince	35.95	
32 93 33 00-0093	EA	2' To 3' Chaenomeles speciosa - Flowering Quince	47.89	
32 93 33 00-0094	EA	3' To 4' Chaenomeles speciosa - Flowering Quince	73.92	
32 93 33 00-0095	EA	3 Gallon Clethra alnifolia & cvs - Summersweet Clethra	39.96	
32 93 33 00-0096	EA	18" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra	43.08	
32 93 33 00-0097	EA	24" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra	48.08	
32 93 33 00-0098	EA	30" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra	50.58	
32 93 33 00-0099	EA	36" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra	59.32	
32 93 33 00-0100	EA	1 Gallon Cistus Hybridus - White Rockrose	9.61	
32 93 33 00-0101	EA	5 Gallon Cistus Hybridus - White Rockrose	23.78	
32 93 33 00-0102	EA	1 Gallon Coleonema Pulchellum - Confetti Bush	9.61	
32 93 33 00-0103	EA	5 Gallon Coleonema Pulchellum - Confetti Bush	23.78	
32 93 33 00-0104	EA	15 Gallon Coleonema Pulchellum - Confetti Bush	111.33	
32 93 33 00-0105	EA	2' To 3' Cornus mas - Cornelian Cherry	56.88	
32 93 33 00-0106	EA	3' To 4' Cornus mas - Cornelian Cherry	71.10	
32 93 33 00-0107	EA	4' To 5' Cornus mas - Cornelian Cherry	91.10	
32 93 33 00-0108	EA	5' To 6' Cornus mas - Cornelian Cherry	125.17	
32 93 33 00-0109	EA	5 Gallon Cornus alba & cvs - Tartarian Dogwood	37.46	
32 93 33 00-0110	EA	36" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood	26.23	
32 93 33 00-0111	EA	48" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood	29.97	
32 93 33 00-0112	EA	60" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood	37.46	
32 93 33 00-0113	EA	72" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood	44.96	
32 93 33 00-0114	EA	36" Balled and Burlapped, Cornus amomum - Silky Dogwood	37.46	
32 93 33 00-0115	EA	5 Gallon Cornus obliqua - Blue Fruited Dogwood	41.21	
32 93 33 00-0116	EA	5 Gallon Cornus racemosa - Gray Dogwood	41.21	
32 93 33 00-0117	EA	36" Balled and Burlapped, Cornus racemosa - Gray Dogwood	37.46	
32 93 33 00-0118	EA	48" Balled and Burlapped, Cornus racemosa - Gray Dogwood	43.71	
32 93 33 00-0119	EA	60" Balled and Burlapped, Cornus racemosa - Gray Dogwood	47.46	
32 93 33 00-0120	EA	72" Balled and Burlapped, Cornus racemosa - Gray Dogwood	57.45	
32 93 33 00-0121	EA	36" Balled and Burlapped, Cornus sanguinea & cvs - Bloodtwig Dogwood	40.59	
32 93 33 00-0122	EA	48" Balled and Burlapped, Cornus sanguinea & cvs - Bloodtwig Dogwood	45.58	
32 93 33 00-0123	EA	60" Balled and Burlapped, Cornus sanguinea & cvs - Bloodtwig Dogwood	51.83	
32 93 33 00-0124	EA	24" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	32.47	
32 93 33 00-0125	EA	30" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	37.46	
32 93 33 00-0126	EA	36" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	39.96	
32 93 33 00-0127	EA	48" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	43.71	
32 93 33 00-0128	EA	60" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	48.70	
32 93 33 00-0129	EA	5 Gallon Corylus americana - American Filbert	38.71	
32 93 33 00-0130	EA	30" Balled and Burlapped, Corylus americana - American Filbert	43.71	
32 93 33 00-0131	EA	36" Balled and Burlapped, Corylus americana - American Filbert	46.83	
32 93 33 00-0132	EA	48" Balled and Burlapped, Corylus americana - American Filbert	50.58	
32 93 33 00-0133	EA	24" Balled and Burlapped, Corylus avellena - Contorted Hazelnut	124.88	
32 93 33 00-0134	EA	30" Balled and Burlapped, Corylus avellena - Contorted Hazelnut	162.35	
32 93 33 00-0135	EA	36" Balled and Burlapped, Corylus avellena - Contorted Hazelnut	174.84	
32 93 33 00-0136	EA	42" Balled and Burlapped, Corylus avellena - Contorted Hazelnut	224.79	
32 93 33 00-0137	EA	48" Balled and Burlapped, Corylus avellena - Contorted Hazelnut	274.74	
32 93 33 00-0138	EA	60" Balled and Burlapped, Corylus avellena - Contorted Hazelnut	312.21	
32 93 33 00-0139	EA	5' To 6' Cotinus coggygria - Smoke Tree	119.54	
32 93 33 00-0140	EA	6' To 8' Cotinus coggygria - Smoke Tree	179.24	
32 93 33 00-0141	EA	8' To 10' Cotinus coggygria - Smoke Tree	270.33	
32 93 33 00-0142	EA	5 Gallon Cotoneaster acutifolia & cvs - Peking Cotoneaster	31.22	
32 93 33 00-0143	EA	18" Balled and Burlapped, Cotoneaster acutifolia & cvs - Peking Cotoneaster	31.22	
32 93 33 00-0144	EA	24" Balled and Burlapped, Cotoneaster acutifolia & cvs - Peking Cotoneaster	32.47	
32 93 33 00-0145	EA	12" To 15" Spread Cotoneaster adpressus - Creeping Cotoneaster	29.92	
32 93 33 00-0146	EA	3 Gallon Cotoneaster apiculata & cvs - Cranberry Cotoneaster	32.47	
32 93 33 00-0147	EA	18" Balled and Burlapped, Cotoneaster apiculata & cvs - Cranberry Cotoneaster	31.22	
32 93 33 00-0148	EA	24" Balled and Burlapped, Cotoneaster apiculata & cvs - Cranberry Cotoneaster	32.47	
32 93 33 00-0149	EA	1 Gallon Cotoneaster divaricatus - Spreading Cotoneaster	12.88	
32 93 33 00-0150	EA	2' To 3' Cotoneaster divaricatus - Spreading Cotoneaster	39.85	
32 93 33 00-0151	EA	3' To 4' Cotoneaster divaricatus - Spreading Cotoneaster	53.80	
32 93 33 00-0152	EA	4' To 5' Cotoneaster divaricatus - Spreading Cotoneaster	91.09	
32 93 33 00-0153	EA	1 Gallon Cotoneaster glaucophyllus - Gray Leaf Cotoneaster	9.61	
32 93 33 00-0154	EA	5 Gallon Cotoneaster glaucophyllus - Gray Leaf Cotoneaster	23.78	
32 93 33 00-0155	EA	1 Gallon Cotoneaster horizontalis - Rockspray Cotoneaster	12.88	
32 93 33 00-0156	EA	2 Gallon Cotoneaster horizontalis - Rockspray Cotoneaster	25.36	
32 93 33 00-0157	EA	1 Gallon Cotoneaster lacteus - Red Clusterberry	9.61	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0158	EA	5 Gallon Cotoneaster lacteus - Red Clusterberry	23.78	
32 93 33 00-0159	EA	15 Gallon Cotoneaster lacteus - Red Clusterberry	94.38	
32 93 33 00-0160	EA	1 Gallon Dendromecon harfordii - Island Bush Poppy	15.85	
32 93 33 00-0161	EA	5 Gallon Dendromecon harfordii - Island Bush Poppy	39.62	
32 93 33 00-0162	EA	18" Balled and Burlapped, Deutzia gracilis - Slender Deutzia	31.85	
32 93 33 00-0163	EA	24" Balled and Burlapped, Deutzia gracilis - Slender Deutzia	34.97	
32 93 33 00-0164	EA	30" Balled and Burlapped, Deutzia gracilis - Slender Deutzia	44.96	
32 93 33 00-0165	EA	36" Balled and Burlapped, Deutzia gracilis - Slender Deutzia	52.45	
32 93 33 00-0166	EA	42" Balled and Burlapped, Deutzia gracilis - Slender Deutzia	59.94	
32 93 33 00-0167	EA	24" Balled and Burlapped, Diervilla sessilifolia - Southern Bush Honeysuckle	49.95	
32 93 33 00-0168	EA	30" Balled and Burlapped, Diervilla sessilifolia - Southern Bush Honeysuckle	59.94	
32 93 33 00-0169	EA	36" Balled and Burlapped, Diervilla sessilifolia - Southern Bush Honeysuckle	69.93	
32 93 33 00-0170	EA	2 Gallon Diervilla splendens - Splendens Bush Honeysuckle	18.73	
32 93 33 00-0171	EA	36" Balled and Burlapped, Diervilla splendens - Splendens Bush Honeysuckle	44.96	
32 93 33 00-0172	EA	48" Balled and Burlapped, Diervilla splendens - Splendens Bush Honeysuckle	59.94	
32 93 33 00-0173	EA	1 Gallon Elaeagnus - Silverberry	11.49	
32 93 33 00-0174	EA	3 Gallon Elaeagnus - Silverberry	22.98	
32 93 33 00-0175	EA	5 Gallon Elaeagnus - Silverberry	31.60	
32 93 33 00-0176	EA	3' To 4' Elaeagnus umbellata - Autumn Olive	37.30	
32 93 33 00-0177	EA	4' To 5' Elaeagnus umbellata - Autumn Olive	51.25	
32 93 33 00-0178	EA	5' To 6' Elaeagnus umbellata - Autumn Olive	61.31	
32 93 33 00-0179	EA	3' To 4' Elaeagnus angustiflolia - Russian Olive	59.70	
32 93 33 00-0180	EA	1 Gallon Euonymus - Gold Spot	10.73	
32 93 33 00-0181	EA	2 Gallon Euonymus - Gold Spot	22.54	
32 93 33 00-0182	EA	5 Gallon Euonymus - Gold Spot	30.99	
32 93 33 00-0183	EA	1 Gallon Euonymus alatus - Winged Euonymus	9.16	
32 93 33 00-0184	EA	3 Gallon Euonymus alatus - Winged Euonymus	26.43	
32 93 33 00-0185	EA	24" Balled and Burlapped, Euonymus alatus - Winged Euonymus	35.62	
32 93 33 00-0186	EA	30" Balled and Burlapped, Euonymus alatus - Winged Euonymus	44.52	
32 93 33 00-0187	EA	36" Balled and Burlapped, Euonymus alatus - Winged Euonymus	61.18	
32 93 33 00-0188	EA	42" Balled and Burlapped, Euonymus alatus - Winged Euonymus	75.54	
32 93 33 00-0189	EA	48" Balled and Burlapped, Euonymus alatus - Winged Euonymus	89.04	
32 93 33 00-0190	EA	54" Balled and Burlapped, Euonymus alatus - Winged Euonymus	114.89	
32 93 33 00-0191	EA	5 Gallon Euonymus alatus - Winged Euonymus	33.03	
32 93 33 00-0192	EA	60" Balled and Burlapped, Euonymus alatus - Winged Euonymus	143.62	
32 93 33 00-0193	EA	30" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus	56.20	
32 93 33 00-0194	EA	36" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus	66.81	
32 93 33 00-0195	EA	42" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus	87.42	
32 93 33 00-0196	EA	48" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus	104.90	
32 93 33 00-0197	EA	60" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus	129.88	
32 93 33 00-0198	EA	18" To 24" Euonymus alatus - Winged Burning Bush	39.85	
32 93 33 00-0199	EA	2' To 2-1/2' Euonymus alatus - Winged Burning Bush	46.96	
32 93 33 00-0200	EA	2-1/2' To 3' Euonymus alatus - Winged Burning Bush	64.13	
32 93 33 00-0201	EA	3' To 3-1/2' Euonymus alatus - Winged Burning Bush	76.87	
32 93 33 00-0202	EA	3-1/2 To 4' Euonymus alatus - Winged Burning Bush	96.73	
32 93 33 00-0203	EA	4' To 5' Euonymus alatus - Winged Burning Bush	136.57	
32 93 33 00-0204	EA	5' To 6' Euonymus alatus - Winged Burning Bush	170.78	
32 93 33 00-0205	EA	6' To 8' Euonymus alatus - Winged Burning Bush	199.23	
32 93 33 00-0206	EA	15" To 18" Euonymus alatus - Dwarf Winged Burning Bush	39.85	
32 93 33 00-0207	EA	18" To 24" Euonymus alatus - Dwarf Winged Burning Bush	45.48	
32 93 33 00-0208	EA	2' To 2-1/2' Euonymus alatus - Dwarf Winged Burning Bush	55.54	
32 93 33 00-0209	EA	2-1/2' To 3' Euonymus alatus - Dwarf Winged Burning Bush	78.35	
32 93 33 00-0210	EA	3' To 3-1/2' Euonymus alatus - Dwarf Winged Burning Bush	92.57	
32 93 33 00-0211	EA	3-1/2' To 4' Euonymus alatus - Dwarf Winged Burning Bush	110.95	
32 93 33 00-0212	EA	4' To 5' Euonymus alatus - Dwarf Winged Burning Bush	156.56	
32 93 33 00-0213	EA	5' To 6' Euonymus alatus - Dwarf Winged Burning Bush	185.00	
32 93 33 00-0214	EA	36" Balled and Burlapped, Euonymus atropurpurea - Eastern Wahoo	33.72	
32 93 33 00-0215	EA	1 Gallon Euonymus fortunei - Wintercreeper	12.88	
32 93 33 00-0216	EA	2 Gallon Euonymus fortunei - Wintercreeper	25.36	
32 93 33 00-0217	EA	3 Gallon Euonymus fortunei - Wintercreeper	30.99	
32 93 33 00-0218	EA	5 Gallon Euonymus fortunei - Wintercreeper	36.76	
32 93 33 00-0219	EA	2' To 3' Forsythia - Korean Forsythia	28.44	
32 93 33 00-0220	EA	3' To 4' Forsythia - Korean Forsythia	35.96	
32 93 33 00-0221	EA	4' To 5' Forsythia - Korean Forsythia	44.81	
32 93 33 00-0222	EA	30" Balled and Burlapped, Forsythia cvs - Forsythia cultivars	28.72	
32 93 33 00-0223	EA	36" Balled and Burlapped, Forsythia cvs - Forsythia cultivars	31.85	
32 93 33 00-0224	EA	48" Balled and Burlapped, Forsythia cvs - Forsythia cultivars	34.34	
32 93 33 00-0225	EA	18" Balled and Burlapped, Forsythia viridissima & cvs - Green Forsythia	29.97	
32 93 33 00-0226	EA	24" Balled and Burlapped, Forsythia viridissima & cvs - Green Forsythia	39.96	
32 93 33 00-0227	EA	24" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia	29.97	
32 93 33 00-0228	EA	30" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia	34.97	
32 93 33 00-0229	EA	36" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia	41.21	
32 93 33 00-0230	EA	42" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia	47.46	
32 93 33 00-0231	EA	48" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia	54.95	
32 93 33 00-0232	EA	2 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla	42.46	
32 93 33 00-0233	EA	3 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla	59.32	
32 93 33 00-0234	EA	5 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla	62.44	
32 93 33 00-0235	EA	15" Balled and Burlapped, Fothergilla gardenii & cvs - Dwarf Fothergilla	64.94	
32 93 33 00-0236	EA	18" Balled and Burlapped, Fothergilla gardenii & cvs - Dwarf Fothergilla	69.93	
32 93 33 00-0237	EA	24" Balled and Burlapped, Fothergilla gardenii & cvs - Dwarf Fothergilla	84.92	
32 93 33 00-0238	EA	24" Balled and Burlapped, Fothergilla major - Large Fothergilla	109.90	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0239	EA	30" Balled and Burlapped, Fothergilla major - Large Fothergilla	124.88	
32 93 33 00-0240	EA	1 Gallon Gardenia jasminoides - Cape Jasmine	9.26	
32 93 33 00-0241	EA	3 Gallon Gardenia jasminoides - Cape Jasmine	24.28	
32 93 33 00-0242	EA	5 Gallon Gardenia jasminoides - Cape Jasmine	30.99	
32 93 33 00-0243	EA	36" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel	87.42	
32 93 33 00-0244	EA	48" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel	142.37	
32 93 33 00-0245	EA	60" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel	179.83	
32 93 33 00-0246	EA	72" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel	274.74	
32 93 33 00-0247	EA	84" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel	312.21	
32 93 33 00-0248	EA	1 Gallon Hedychuium gartdnerum - Variegated Ginger	5.31	
32 93 33 00-0249	EA	3 Gallon Hedychuium gartdnerum - Variegated Ginger	18.67	
32 93 33 00-0250	EA	5 Gallon Hedychuium gartdnerum - Variegated Ginger	35.90	
32 93 33 00-0251	EA	1 Gallon Hibiscus rosa-sinensis - Hibiscus	13.61	
32 93 33 00-0252	EA	3 Gallon Hibiscus rosa-sinensis - Hibiscus	22.98	
32 93 33 00-0253	EA	5 Gallon Hibiscus rosa-sinensis - Hibiscus	34.75	
32 93 33 00-0254	EA	5 Gallon Hibiscus syriacus - Rose Of Sharon	35.96	
32 93 33 00-0255	EA	2' To 3' Hibiscus syriacus - Rose Of Sharon	30.59	
32 93 33 00-0256	EA	3' To 4' Hibiscus syriacus - Rose Of Sharon	41.32	
32 93 33 00-0257	EA	4' To 5' Hibiscus syriacus - Rose Of Sharon	59.70	
32 93 33 00-0258	EA	5' To 6' Hibiscus syriacus - Rose Of Sharon	82.51	
32 93 33 00-0259	EA	2 Gallon Hydrangea - Blue Hydrangea	25.36	
32 93 33 00-0260	EA	5 Gallon Hydrangea - Blue Hydrangea	35.69	
32 93 33 00-0261	EA	2' To 3' Hydrangea paniculata "Grandiflora" - Peegee Hydrangea	39.84	
32 93 33 00-0262	EA	3' To 4' Hydrangea paniculata "Grandiflora" - Peegee Hydrangea	45.48	
32 93 33 00-0263	EA	2 Gallon Hydrangea quercifloia - Oakleaf Hydrangea	25.36	
32 93 33 00-0264	EA	5 Gallon Hydrangea arborescens & cvs - Smooth Hydrangea	43.71	
32 93 33 00-0265	EA	30" Balled and Burlapped, Hydrangea arborescens & cvs - Smooth Hydrangea	47.46	
32 93 33 00-0266	EA	36" Balled and Burlapped, Hydrangea arborescens & cvs - Smooth Hydrangea	54.95	
32 93 33 00-0267	EA	4 Gallon Hydrangea macrophylla & cvs - Bigleaf Hydrangea	57.45	
32 93 33 00-0268	EA	18" Balled and Burlapped, Hydrangea macrophylla & cvs - Bigleaf Hydrangea	44.96	
32 93 33 00-0269	EA	24" Balled and Burlapped, Hydrangea macrophylla & cvs - Bigleaf Hydrangea	59.94	
32 93 33 00-0270	EA	3 Gallon Hydrangea paniculata & cvs - Panicle Hydrangea	26.23	
32 93 33 00-0271	EA	5 Gallon Hydrangea paniculata & cvs - Panicle Hydrangea	31.22	
32 93 33 00-0272	EA	18" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea	26.85	
32 93 33 00-0273	EA	24" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea	28.72	
32 93 33 00-0274	EA	30" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea	32.47	
32 93 33 00-0275	EA	36" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea	37.46	
32 93 33 00-0276	EA	48" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea	49.95	
32 93 33 00-0277	EA	18" Balled and Burlapped, Hydrangea quercifolia & cvs - Oakleaf Hydrangea	36.22	
32 93 33 00-0278	EA	24" Balled and Burlapped, Hydrangea quercifolia & cvs - Oakleaf Hydrangea	41.21	
32 93 33 00-0279	EA	30" Balled and Burlapped, Hydrangea quercifolia & cvs - Oakleaf Hydrangea	48.70	
32 93 33 00-0280	EA	2 Gallon Hypericum kalmianum - St. John's Wort	25.36	
32 93 33 00-0281	EA	3 Gallon Hypericum kalmianun - Kalm St. John's Wort	29.97	
32 93 33 00-0282	EA	24" Balled and Burlapped, Hypericum kalmianun - Kalm St. John's Wort	32.47	
32 93 33 00-0283	EA	1 Gallon Ilex "Carissa" - Holly	12.88	
32 93 33 00-0284	EA	2 Gallon Ilex "Carissa" - Holly	25.36	
32 93 33 00-0285	EA	5 Gallon Ilex "Carissa" - Holly	35.69	
32 93 33 00-0286	EA	18" To 24" Ilex - Gulftide Sweet Holly	34.21	
32 93 33 00-0287	EA	2' To 2-1/2' Ilex - Gulftide Sweet Holly	43.33	
32 93 33 00-0288	EA	2-1/2' To 3' Ilex - Gulftide Sweet Holly	56.21	
32 93 33 00-0289	EA	3' To 3-1/2' Ilex - Gulftide Sweet Holly	68.29	
32 93 33 00-0290	EA	3 Gallon Ilex cornuta - Dwarf Horned Holly	25.55	
32 93 33 00-0291	EA	1 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly	12.88	
32 93 33 00-0292	EA	2 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly	25.36	
32 93 33 00-0293	EA	5 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly	36.76	
32 93 33 00-0294	EA	1 Gallon Ilex crenata - Hellers Japanese Holly	12.88	
32 93 33 00-0295	EA	2 Gallon Ilex crenata - Hellers Japanese Holly	28.17	
32 93 33 00-0296	EA	3 Gallon Ilex crenata - Hellers Japanese Holly	36.76	
32 93 33 00-0297	EA	2 Gallon Ilex crenata - Hetzi Japanese Holly	28.17	
32 93 33 00-0298	EA	3 Gallon Ilex crenata - Hetzi Japanese Holly	33.94	
32 93 33 00-0299	EA	2' To 3' Ilex crenata - Hetzi Japanese Holly	68.29	
32 93 33 00-0300	EA	3' To 4' Ilex crenata - Hetzi Japanese Holly	91.09	
32 93 33 00-0301	EA	2' To 3' Ilex opaca - American Holly	91.09	
32 93 33 00-0302	EA	3' To 4' Ilex opaca - American Holly	150.79	
32 93 33 00-0303	EA	4' To 5' Ilex opaca - American Holly	193.46	
32 93 33 00-0304	EA	5' To 6' Ilex opaca - American Holly	233.30	
32 93 33 00-0305	EA	6' To 7' Ilex opaca - American Holly	327.21	
32 93 33 00-0306	EA	7' To 8' Ilex opaca - American Holly	455.33	
32 93 33 00-0307	EA	8' To 10' Ilex opaca - American Holly	654.42	
32 93 33 00-0308	EA	10' To 12' Ilex opaca - American Holly	995.99	
32 93 33 00-0309	EA	12' To 14' Ilex opaca - American Holly	1,209.30	
32 93 33 00-0310	EA	14' To 16' Ilex opaca - American Holly	1,493.85	
32 93 33 00-0311	EA	2' To 3' Ilex verticillata - Winterberry (Female)	91.09	
32 93 33 00-0312	EA	3' To 4' Ilex verticillata - Winterberry (Female)	119.54	
32 93 33 00-0313	EA	2' To 3' Ilex verticillata - Winterberry (Male)	73.92	
32 93 33 00-0314	EA	3' To 4' Ilex verticillata - Winterberry (Male)	102.50	
32 93 33 00-0315	EA	4' To 5' Ilex verticillata - Winterberry (Male)	119.54	
32 93 33 00-0316	EA	1 Gallon Ilex vomitoria - Yaupon Holly	12.08	
32 93 33 00-0317	EA	3 Gallon Ilex vomitoria - Yaupon Holly	24.28	
32 93 33 00-0318	EA	10 Gallon Ilex vomitoria - Yaupon Holly	85.32	
32 93 33 00-0319	EA	18" Balled and Burlapped, Ilex glabra compacta & cvs - Compact Inkberry Holly	38.71	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0320	EA	24" Balled and Burlapped, Ilex glabra compacta & cvs - Compact Inkberry Holly	43.71	
32 93 33 00-0321	EA	3 Gallon Ilex meserveae & cvs - Blue Holly	49.95	
32 93 33 00-0322	EA	18" Balled and Burlapped, Ilex meserveae & cvs - Blue Holly	46.21	
32 93 33 00-0323	EA	24" Balled and Burlapped, Ilex meservae & cvs - Blue Holly	56.20	
32 93 33 00-0324	EA	5 Gallon Ilex verticillata & cvs - Common Winterberry	41.21	
32 93 33 00-0325	EA	24" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	41.21	
32 93 33 00-0326	EA	30" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	43.71	
32 93 33 00-0327	EA	36" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	52.45	
32 93 33 00-0328	EA	42" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	58.69	
32 93 33 00-0329	EA	48" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	62.44	
32 93 33 00-0330	EA	60" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	79.92	
32 93 33 00-0331	EA	4' To 5' Ilex x attenuata "Foster" - Holly	147.98	
32 93 33 00-0332	EA	5' To 6' Ilex x attenuata "Foster" - Holly	196.27	
32 93 33 00-0333	EA	6' To 7' Ilex x attenuata "Foster" - Holly	175.61	
32 93 33 00-0334	EA	7' To 8' Ilex x attenuata "Foster" - Holly	341.43	
32 93 33 00-0335	EA	1 Gallon Jasimnum - Jasmine	3.30	
32 93 33 00-0336	EA	3 Gallon Jasimnum - Jasmine	12.93	
32 93 33 00-0337	EA	3 Gallon Jasimnum - Orange Jasmine	10.05	
32 93 33 00-0338	EA	4' - 5' Jasimnum - Orange Jasmine	114.89	
32 93 33 00-0339	EA	6' - 7' Jasimnum - Orange Jasmine	229.78	
32 93 33 00-0340	EA	8' - 10' Jasimnum - Orange Jasmine	310.21	
32 93 33 00-0341	EA	3 Gallon Juniperus chinesis cvs - Chinese Juniper	43.71	
32 93 33 00-0342	EA	5 Gallon Juniperus chinesis cvs - Chinese Juniper	48.70	
32 93 33 00-0343	EA	18" Balled and Burlapped, Juniperus chinesis cvs - Chinese Juniper	64.94	
32 93 33 00-0344	EA	24" Balled and Burlapped, Juniperus chinesis cvs - Chinese Juniper	84.92	
32 93 33 00-0345	EA	30" Balled and Burlapped, Juniperus chinesis cvs - Chinese Juniper	99.91	
32 93 33 00-0346	EA	36" Balled and Burlapped, Juniperus chinesis cvs - Chinese Juniper	134.87	
32 93 33 00-0347	EA	48" Balled and Burlapped, Juniperus chinesis cvs - Chinese Juniper	184.83	
32 93 33 00-0348	EA	1 Gallon Juniperus horizontalis cvs - Creeping Juniper	20.82	
32 93 33 00-0349	EA	3 Gallon Juniperus horizontalis cvs - Creeping Juniper	43.71	
32 93 33 00-0350	EA	5 Gallon Juniperus horizontalis cvs - Creeping Juniper	48.70	
32 93 33 00-0351	EA	15" Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper	52.45	
32 93 33 00-0352	EA	18" Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper	57.45	
32 93 33 00-0353	EA	24" Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper	69.93	
32 93 33 00-0354	EA	30" Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper	84.92	
32 93 33 00-0355	EA	3 Gallon Juniperus procumbens cvs - Japanese Garden Juniper	33.72	
32 93 33 00-0356	EA	18" Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper	39.96	
32 93 33 00-0357	EA	24" Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper	54.95	
32 93 33 00-0358	EA	30" Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper	69.93	
32 93 33 00-0359	EA	36" Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper	84.92	
32 93 33 00-0360	EA	3 Gallon Juniperus sabina cvs - Savin Juniper	31.22	
32 93 33 00-0361	EA	5 Gallon Juniperus sabina cvs - Savin Juniper	37.46	
32 93 33 00-0362	EA	4 Gallon Juniperus virginiana cvs - Red Cedar Juniper	32.47	
32 93 33 00-0363	EA	36" Balled and Burlapped, Juniperus virginiana cvs - Red Cedar Juniper	62.44	
32 93 33 00-0364	EA	48" Balled and Burlapped, Juniperus virginiana cvs - Red Cedar Juniper	97.41	
32 93 33 00-0365	EA	60" Balled and Burlapped, Juniperus virginiana cvs - Red Cedar Juniper	122.38	
32 93 33 00-0366	EA	15" To 18" Kalmia latifolia - Mountain Laurel	51.25	
32 93 33 00-0367	EA	18" To 24" Kalmia latifolia - Mountain Laurel	68.29	
32 93 33 00-0368	EA	2' To 3' Kalmia latifolia - Mountain Laurel	99.55	
32 93 33 00-0369	EA	4' To 5' Kalmia latifolia - Mountain Laurel	182.05	
32 93 33 00-0370	EA	5' To 6' Kalmia latifolia - Mountain Laurel	278.91	
32 93 33 00-0371	EA	6' To 8' Kalmia latifolia - Mountain Laurel	426.89	
32 93 33 00-0372	EA	1 Gallon Kerria japonica - Kerria	11.40	
32 93 33 00-0373	EA	5 Gallon Kerria japonica - Kerria	35.69	
32 93 33 00-0374	EA	24" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	36.22	
32 93 33 00-0375	EA	30" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	41.21	
32 93 33 00-0376	EA	36" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	44.96	
32 93 33 00-0377	EA	42" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	52.45	
32 93 33 00-0378	EA	48" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	59.94	
32 93 33 00-0379	EA	60" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	74.93	
32 93 33 00-0380	EA	1 Gallon Lagerstroemia indica - Crape Myrtle	8.59	
32 93 33 00-0381	EA	5 Gallon Lagerstroemia indica - Crape Myrtle	30.59	
32 93 33 00-0382	EA	3' To 4' Lagerstroemia indica - Crape Myrtle	42.66	
32 93 33 00-0383	EA	4' To 5' Lagerstroemia indica - Crape Myrtle	62.65	
32 93 33 00-0384	EA	5' To 6' Lagerstroemia indica - Crape Myrtle	99.55	
32 93 33 00-0385	EA	7' To 8' Lagerstroemia indica - Crape Myrtle	129.25	
32 93 33 00-0386	EA	9' To 10' Lagerstroemia indica - Crape Myrtle	172.34	
32 93 33 00-0387	EA	11' To 12' Lagerstroemia indica - Crape Myrtle	359.04	
32 93 33 00-0388	EA	1 Gallon Leucothoe axillaris - Coast Leucothoe	12.88	
32 93 33 00-0389	EA	2 Gallon Leucothoe axillaris - Coast Leucothoe	28.17	
32 93 33 00-0390	EA	3 Gallon Leucothoe axillaris - Coast Leucothoe	33.94	
32 93 33 00-0391	EA	1 Gallon Ligustrum lucidum - Glossy Privet	7.92	
32 93 33 00-0392	EA	5 Gallon Ligustrum lucidum - Glossy Privet	24.28	
32 93 33 00-0393	EA	15 Gallon Ligustrum lucidum - Glossy Privet	113.77	
32 93 33 00-0394	EA	1 Gallon Ligustrum sinense - Variegated Chinese Privet	7.92	
32 93 33 00-0395	EA	2 Gallon Ligustrum sinense - Variegated Chinese Privet	17.04	
32 93 33 00-0396	EA	3 Gallon Ligustrum sinense - Variegated Chinese Privet	22.14	
32 93 33 00-0397	EA	36" Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet	37.46	
32 93 33 00-0398	EA	48" Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet	54.95	
32 93 33 00-0399	EA	60" Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet	69.93	
32 93 33 00-0400	EA	72" Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet	79.92	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0401	EA	5 Gallon Lindera benzoin - Spicebush	41.21	
32 93 33 00-0402	EA	36" Balled and Burlapped, Lindera benzoin - Spicebush	34.97	
32 93 33 00-0403	EA	48" Balled and Burlapped, Lindera benzoin - Spicebush	42.46	
32 93 33 00-0404	EA	2' To 3' Lonicera fragrantissima - Winter Honeysuckle	68.29	
32 93 33 00-0405	EA	3' To 4' Lonicera fragrantissima - Winter Honeysuckle	82.51	
32 93 33 00-0406	EA	30" Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle	37.46	
32 93 33 00-0407	EA	36" Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle	44.96	
32 93 33 00-0408	EA	42" Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle	49.95	
32 93 33 00-0409	EA	48" Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle	54.95	
32 93 33 00-0410	EA	1 Gallon Myrica cerifera - Wax Myrtle	7.18	
32 93 33 00-0411	EA	4 Gallon Myrica cerifera - Wax Myrtle	22.98	
32 93 33 00-0412	EA	7 Gallon Myrica cerifera - Wax Myrtle	50.27	
32 93 33 00-0413	EA	10 Gallon Myrica cerifera - Wax Myrtle	74.68	
32 93 33 00-0414	EA	15 Gallon Myrica cerifera - Wax Myrtle	114.89	
32 93 33 00-0415	EA	45 Gallon Myrica cerifera - Wax Myrtle	344.68	
32 93 33 00-0416	EA	1' - 2' Myrica cerifera - Wax Myrtle	10.05	
32 93 33 00-0417	EA	3' - 4' Myrica cerifera - Wax Myrtle	34.47	
32 93 33 00-0418	EA	5' - 6' Myrica cerifera - Wax Myrtle	63.19	
32 93 33 00-0419	EA	7' - 8' Myrica cerifera - Wax Myrtle	86.17	
32 93 33 00-0420	EA	9' - 10' Myrica cerifera - Wax Myrtle	114.89	
32 93 33 00-0421	EA	11' - 12' Myrica cerifera - Wax Myrtle	175.21	
32 93 33 00-0422	EA	3 Gallon Myrica pensylvanica - Northern Bayberry	37.46	
32 93 33 00-0423	EA	24" Balled and Burlapped, Myrica pensylvanica - Northern Bayberry	61.19	
32 93 33 00-0424	EA	30" Balled and Burlapped, Myrica pensylvanica - Northern Bayberry	89.92	
32 93 33 00-0425	EA	36" Balled and Burlapped, Myrica pensylvanica - Northern Bayberry	107.40	
32 93 33 00-0426	EA	48" Balled and Burlapped, Myrica pensylvanica - Northern Bayberry	112.39	
32 93 33 00-0427	EA	1 Gallon Nandina domestica - Heavenly Bamboo	12.88	
32 93 33 00-0428	EA	2 Gallon Nandina domestica - Heavenly Bamboo	28.17	
32 93 33 00-0429	EA	5 Gallon Nandina domestica - Heavenly Bamboo	42.66	
32 93 33 00-0430	EA	1 Gallon Osmanthus fragrans - Fragrant Tea Olive	7.92	
32 93 33 00-0431	EA	3 Gallon Osmanthus fragrans - Fragrant Tea Olive	21.46	
32 93 33 00-0432	EA	1 Gallon Philadelphus - Evergreen Mockorange	11.00	
32 93 33 00-0433	EA	5 Gallon Philadelphus - Evergreen Mockorange	35.69	
32 93 33 00-0434	EA	36" Balled and Burlapped, Philadelphus x virginalis & cvs - Mockorange	37.46	
32 93 33 00-0435	EA	42" Balled and Burlapped, Philadelphus x virginalis & cvs - Mockorange	43.71	
32 93 33 00-0436	EA	48" Balled and Burlapped, Philadelphus x virginalis & cvs - Mockorange	49.95	
32 93 33 00-0437	EA	24" Balled and Burlapped, Physocarpos opulifolius 'Nana' - Dwarf Common Ninebark	37.46	
32 93 33 00-0438	EA	30" Balled and Burlapped, Physocarpos opulifolius 'Nana' - Dwarf Common Ninebark	43.71	
32 93 33 00-0439	EA	36" Balled and Burlapped, Physocarpos opulifolius 'Nana' - Dwarf Common Ninebark	49.95	
32 93 33 00-0440	EA	42" Balled and Burlapped, Physocarpos opulifolius 'Nana' - Dwarf Common Ninebark	62.44	
32 93 33 00-0441	EA	48" Balled and Burlapped, Physocarpos opulifolius 'Nana' - Dwarf Common Ninebark	74.93	
32 93 33 00-0442	EA	12" To 15" Spread Pieris - Mountain Andromeda	34.48	
32 93 33 00-0443	EA	15" To 18" Spread Pieris - Mountain Andromeda	73.92	
32 93 33 00-0444	EA	12" To 15" Pieris japonica - Japanese Andromeda	44.81	
32 93 33 00-0445	EA	15" To 18" Pieris japonica - Japanese Andromeda	51.25	
32 93 33 00-0446	EA	18" To 24" Pieris japonica - Japanese Andromeda	64.13	
32 93 33 00-0447	EA	2' To 2-1/2' Pieris japonica - Japanese Andromeda	91.09	
32 93 33 00-0448	EA	2-1/2' To 3' Pieris japonica - Japanese Andromeda	108.13	
32 93 33 00-0449	EA	24" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	38.91	
32 93 33 00-0450	EA	30" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	49.80	
32 93 33 00-0451	EA	36" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	59.92	
32 93 33 00-0452	EA	48" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	77.04	
32 93 33 00-0453	EA	60" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	92.60	
32 93 33 00-0454	EA	72" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	135.39	
32 93 33 00-0455	EA	30" Balled and Burlapped, Pinus mugo compacta - Dwarf Mugo Pine	84.04	
32 93 33 00-0456	EA	36" Balled and Burlapped, Pinus mugo compacta - Dwarf Mugo Pine	101.16	
32 93 33 00-0457	EA	48" Balled and Burlapped, Pinus mugo compacta - Dwarf Mugo Pine	134.62	
32 93 33 00-0458	EA	1 Gallon Pittosporum - Pittosporum	4.74	
32 93 33 00-0459	EA	3 Gallon Pittosporum - Pittosporum	12.21	
32 93 33 00-0460	EA	1 Gallon Pittosporum - Varigated Pittosporum	4.74	
32 93 33 00-0461	EA	3 Gallon Pittosporum - Varigated Pittosporum	12.21	
32 93 33 00-0462	EA	5 Gallon Pittosporum - Varigated Pittosporum	21.40	
32 93 33 00-0463	EA	1 Gallon Podocarpus macrophyllus - Yew Podocarpus	5.74	
32 93 33 00-0464	EA	3 Gallon Podocarpus macrophyllus - Yew Podocarpus	17.23	
32 93 33 00-0465	EA	2 Gallon Potentilla fruticosa & cvs - Bush Cinquefoil	21.23	
32 93 33 00-0466	EA	5 Gallon Potentilla fruticosa & cvs - Bush Cinquefoil	29.97	
32 93 33 00-0467	EA	18" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil	22.48	
32 93 33 00-0468	EA	24" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil	24.98	
32 93 33 00-0469	EA	30" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil	36.22	
32 93 33 00-0470	EA	36" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil	41.84	
32 93 33 00-0471	EA	1 Gallon Prunus caroliniana - Carolina Cherry Laurel	5.35	
32 93 33 00-0472	EA	5 Gallon Prunus caroliniana - Carolina Cherry Laurel	13.37	
32 93 33 00-0473	EA	15 Gallon Prunus caroliniana - Carolina Cherry Laurel	79.75	
32 93 33 00-0474	EA	15" To 18" Prunus laurocerasus - Cherry Laurel	20.40	
32 93 33 00-0475	EA	18" To 24" Prunus laurocerasus - Cherry Laurel	25.24	
32 93 33 00-0476	EA	24" To 30" Prunus laurocerasus - Cherry Laurel	32.85	
32 93 33 00-0477	EA	15" To 18" Prunus triloba - Double White Flowering Almond	18.22	
32 93 33 00-0478	EA	18" To 24" Prunus triloba - Double White Flowering Almond	23.32	
32 93 33 00-0479	EA	3' To 4' Prunus triloba - Double White Flowering Almond	37.20	
32 93 33 00-0480	EA	4' To 6' Prunus triloba - Double White Flowering Almond	74.48	
32 93 33 00-0481	EA	5 Gallon Prunus triloba - Pink Flowering Almond	22.40	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0482	EA	18" To 24" Prunus triloba - Pink Flowering Almond	25.16	
32 93 33 00-0483	EA	2' To 3' Prunus triloba - Pink Flowering Almond	29.26	
32 93 33 00-0484	EA	2' To 3' Prunus virginiana - Brilliant Chokeberry	19.90	
32 93 33 00-0485	EA	3' To 4' Prunus virginiana - Brilliant Chokeberry	24.41	
32 93 33 00-0486	EA	4' To 5' Prunus virginiana - Brilliant Chokeberry	29.26	
32 93 33 00-0487	EA	5' To 6' Prunus virginiana - Brilliant Chokeberry	33.52	
32 93 33 00-0488	EA	1 Gallon Punica granatum - Dwarf Pomegranate	8.45	
32 93 33 00-0489	EA	3 Gallon Punica granatum - Dwarf Pomegranate	24.95	
32 93 33 00-0490	EA	7 Gallon Punica granatum - Dwarf Pomegranate	51.25	
32 93 33 00-0491	EA	1 Gallon Pyracantha koidzumi "Santa Cruz" - Pyracantha	10.73	
32 93 33 00-0492	EA	5 Gallon Pyracantha koidzumi "Santa Cruz" - Pyracantha	35.69	
32 93 33 00-0493	EA	5 Gallon Espalier Pyracantha koidzumi "Santa Cruz" - Pyracantha	73.92	
32 93 33 00-0494	EA	1 Gallon Ralphiolepis indica - Indian Hawthorne	8.59	
32 93 33 00-0495	EA	2 Gallon Ralphiolepis indica - Indian Hawthorne	16.37	
32 93 33 00-0496	EA	5 Gallon Ralphiolepis indica - Indian Hawthorne	29.11	
32 93 33 00-0497	EA	1 Gallon Rhamnus californica - Coffeeberry	13.05	
32 93 33 00-0498	EA	5 Gallon Rhamnus californica - Coffeeberry	37.32	
32 93 33 00-0499	EA	15 Gallon Rhamnus californica - Coffeeberry	112.00	
32 93 33 00-0500	EA	4' To 5' Rhamnus frangula "Columnaris" - Tallhedge	65.47	
32 93 33 00-0501	EA	5' To 6' Rhamnus frangula "Columnaris" - Tallhedge	89.75	
32 93 33 00-0502	EA	6' To 8' Rhamnus frangula "Columnaris" - Tallhedge	116.72	
32 93 33 00-0503	EA	10' To 12' Rhamnus frangula "Columnaris" - Tallhedge	213.45	
32 93 33 00-0504	EA	1 Gallon Rhododendron - Azalea Evergreen Hybrids	13.95	
32 93 33 00-0505	EA	2 Gallon Rhododendron - Azalea Evergreen Hybrids	28.17	
32 93 33 00-0506	EA	3 Gallon Rhododendron - Azalea Evergreen Hybrids	36.76	
32 93 33 00-0507	EA	5 Gallon Rhododendron - Azalea Evergreen Hybrids	42.66	
32 93 33 00-0508	EA	15" To 18" Rhododendron - Azalea Evergreen Hybrids	49.91	
32 93 33 00-0509	EA	18" To 24" Rhododendron - Azalea Evergreen Hybrids	62.65	
32 93 33 00-0510	EA	2' To 2-1/2' Rhododendron - Azalea Evergreen Hybrids	91.09	
32 93 33 00-0511	EA	2-1/2' To 3' Rhododendron - Azalea Evergreen Hybrids	127.99	
32 93 33 00-0512	EA	1 Gallon Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	15.70	
32 93 33 00-0513	EA	2 Gallon Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	28.17	
32 93 33 00-0514	EA	15' To 18' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	48.43	
32 93 33 00-0515	EA	18" To 24" Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	62.65	
32 93 33 00-0516	EA	2' To 3' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	91.09	
32 93 33 00-0517	EA	3' To 4' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	133.76	
32 93 33 00-0518	EA	4' To 5' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	179.24	
32 93 33 00-0519	EA	5 Gallon Rhododendron - Boxleaf Azara	35.69	
32 93 33 00-0520	EA	15 Gallon Rhododendron - Boxleaf Azara	127.99	
32 93 33 00-0521	EA	15" To 18" Rhododendron - Carolina Rhododendron	40.38	
32 93 33 00-0522	EA	18" To 24" Rhododendron - Carolina Rhododendron	71.10	
32 93 33 00-0523	EA	24" To 30" Rhododendron - Carolina Rhododendron	105.31	
32 93 33 00-0524	EA	2' To 3' Rhododendron - Five-leafed Azalea	47.89	
32 93 33 00-0525	EA	3' To 4' Rhododendron - Five-leafed Azalea	62.65	
32 93 33 00-0526	EA	4' To 5' Rhododendron - Five-leafed Azalea	82.51	
32 93 33 00-0527	EA	15" To 18" Rhododendron - Ghent Azalea	47.89	
32 93 33 00-0528	EA	18" To 24" Rhododendron - Ghent Azalea	59.70	
32 93 33 00-0529	EA	2' To 3' Rhododendron - Ghent Azalea	96.73	
32 93 33 00-0530	EA	3' To 4' Rhododendron - Ghent Azalea	133.76	
32 93 33 00-0531	EA	4' To 5' Rhododendron - Ghent Azalea	179.24	
32 93 33 00-0532	EA	5' To 6' Rhododendron - Ghent Azalea	239.07	
32 93 33 00-0533	EA	1 Gallon Rhododendron - Hybrid Rhododendron	15.70	
32 93 33 00-0534	EA	2 Gallon Rhododendron - Hybrid Rhododendron	33.94	
32 93 33 00-0535	EA	3 Gallon Rhododendron - Hybrid Rhododendron	48.16	
32 93 33 00-0536	EA	5 Gallon Rhododendron - Hybrid Rhododendron	53.80	
32 93 33 00-0537	EA	15" To 18" Rhododendron - Hybrid Rhododendron	45.48	
32 93 33 00-0538	EA	18" To 24" Rhododendron - Hybrid Rhododendron	62.65	
32 93 33 00-0539	EA	24" To 30" Rhododendron - Hybrid Rhododendron	85.32	
32 93 33 00-0540	EA	30" To 36" Rhododendron - Hybrid Rhododendron	99.55	
32 93 33 00-0541	EA	36" To 42" Rhododendron - Hybrid Rhododendron	142.34	
32 93 33 00-0542	EA	42" To 48" Rhododendron - Hybrid Rhododendron	176.42	
32 93 33 00-0543	EA	15" To 18" Rhododendron - Pjm Rhododendron	51.25	
32 93 33 00-0544	EA	18" To 24" Rhododendron - Pjm Rhododendron	62.65	
32 93 33 00-0545	EA	2' To 2-1/2' Rhododendron - Pjm Rhododendron	91.09	
32 93 33 00-0546	EA	2-1/2 To 3' Rhododendron - Pjm Rhododendron	116.72	
32 93 33 00-0547	EA	3' To 3-1/2' Rhododendron - Pjm Rhododendron	142.34	
32 93 33 00-0548	EA	12" To 15" Rhododendron - Torch Azalea	39.85	
32 93 33 00-0549	EA	15" To 18" Rhododendron - Torch Azalea	47.89	
32 93 33 00-0550	EA	18" To 24" Rhododendron - Torch Azalea	59.70	
32 93 33 00-0551	EA	2' To 3' Rhododendron - Torch Azalea	99.55	
32 93 33 00-0552	EA	3 Gallon Rhododendron cvs - Lepidote Rhododendron	44.96	
32 93 33 00-0553	EA	5 Gallon Rhododendron cvs - Lepidote Rhododendron	54.95	
32 93 33 00-0554	EA	18" Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron	67.44	
32 93 33 00-0555	EA	24" Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron	84.92	
32 93 33 00-0556	EA	30" Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron	99.91	
32 93 33 00-0557	EA	36" Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron	119.89	
32 93 33 00-0558	EA	1 Gallon Rhus glabra - Dwarf Smooth Sumac	12.88	
32 93 33 00-0559	EA	5 Gallon Rhus glabra - Dwarf Smooth Sumac	35.69	
32 93 33 00-0560	EA	2 Gallon Rhus aromatica & cvs - Fragrant Sumac	29.97	
32 93 33 00-0561	EA	5 Gallon Rhus aromatica & cvs - Fragrant Sumac	41.21	
32 93 33 00-0562	EA	18" Balled and Burlapped, Rhus aromatica & cvs - Fragrant Sumac	47.46	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0563	EA	24" Balled and Burlapped, Rhus aromatica & cvs - Fragrant Sumac	62.44	
32 93 33 00-0564	EA	36" Balled and Burlapped, Rhus glabra - Smooth Sumac	37.46	
32 93 33 00-0565	EA	48" Balled and Burlapped, Rhus typhina & cvs - Staghorn Sumac	62.44	
32 93 33 00-0566	EA	72" Balled and Burlapped, Rhus typhina & cvs - Staghorn Sumac	99.91	
32 93 33 00-0567	EA	15" Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant	33.72	
32 93 33 00-0568	EA	18" Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant	38.71	
32 93 33 00-0569	EA	24" Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant	56.20	
32 93 33 00-0570	EA	30" Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant	74.93	
32 93 33 00-0571	EA	1 Gallon Rosa hybrids & cvs - Shrub Rose	20.61	
32 93 33 00-0572	EA	2 Gallon Rosa hybrids & cvs - Shrub Rose	24.98	
32 93 33 00-0573	EA	3 Gallon Rosa hybrids & cvs - Shrub Rose	31.22	
32 93 33 00-0574	EA	2 Gallon Rosa rugosa & cvs - Rugosa Rose	22.48	
32 93 33 00-0575	EA	3 Gallon Rosa rugosa & cvs - Rugosa Rose	28.72	
32 93 33 00-0576	EA	5 Gallon Sambucus canadensis - American Elder	41.21	
32 93 33 00-0577	EA	2 Gallon Sarcococca hookeriana humilis - Himalayan Sarcococca	18.51	
32 93 33 00-0578	EA	3 Gallon Sarcococca hookeriana humilis - Himalayan Sarcococca	27.10	
32 93 33 00-0579	EA	1 Gallon Sarcococca humilis - Fragrant Sarcococca	10.06	
32 93 33 00-0580	EA	5 Gallon Sarcococca humilis - Fragrant Sarcococca	26.30	
32 93 33 00-0581	EA	5 Gallon Senna artemisioides - Feathery Cassia	19.02	
32 93 33 00-0582	EA	15 Gallon Senna artemisioides - Feathery Cassia	75.67	
32 93 33 00-0583	EA	24" Box Senna artemisioides - Feathery Cassia	237.70	
32 93 33 00-0584	EA	1 Gallon Skimmia japonica - Japanese Skimmia	12.88	
32 93 33 00-0585	EA	2 Gallon Skimmia japonica - Japanese Skimmia	25.62	
32 93 33 00-0586	EA	5 Gallon Skimmia japonica - Japanese Skimmia	41.32	
32 93 33 00-0587	EA	3' To 4' Spiraea - Garland Spirea	59.70	
32 93 33 00-0588	EA	4' To 5' Spiraea - Garland Spirea	91.09	
32 93 33 00-0589	EA	5 Gallon Spiraea - Snowmound Spirea	35.69	
32 93 33 00-0590	EA	18" To 24" Spiraea - Snowmound Spirea	29.25	
32 93 33 00-0591	EA	2' To 3' Spiraea - Snowmound Spirea	41.32	
32 93 33 00-0592	EA	3' To 4' Spiraea - Snowmound Spirea	47.90	
32 93 33 00-0593	EA	4' To 5' Spiraea - Snowmound Spirea	82.51	
32 93 33 00-0594	EA	1 Gallon Spiraea japonica & cvs - Japanese Spirea	12.88	
32 93 33 00-0595	EA	2 Gallon Spiraea japonica & cvs - Japanese Spirea	25.36	
32 93 33 00-0596	EA	3 Gallon Spiraea japonica & cvs - Japanese Spirea	29.35	
32 93 33 00-0597	EA	5 Gallon Spiraea japonica & cvs - Japanese Spirea	31.85	
32 93 33 00-0598	EA	18" Balled and Burlapped, Spiraea japonica & cvs - Japanese Spirea	32.47	
32 93 33 00-0599	EA	24" Balled and Burlapped, Spiraea japonica & cvs - Japanese Spirea	37.46	
32 93 33 00-0600	EA	30" Balled and Burlapped, Spiraea japonica & cvs - Japanese Spirea	42.46	
32 93 33 00-0601	EA	36" Balled and Burlapped, Spiraea japonica & cvs - Japanese Spirea	49.33	
32 93 33 00-0602	EA	2 Gallon Spiraea nipponica & cvs - Nippon Spiraea	19.98	
32 93 33 00-0603	EA	5 Gallon Spiraea nipponica & cvs - Nippon Spiraea	29.97	
32 93 33 00-0604	EA	18" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spiraea	27.47	
32 93 33 00-0605	EA	24" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spiraea	32.47	
32 93 33 00-0606	EA	30" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spiraea	37.46	
32 93 33 00-0607	EA	36" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spiraea	42.46	
32 93 33 00-0608	EA	48" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spiraea	54.95	
32 93 33 00-0609	EA	1 Gallon Spiraea x bumalda & cvs - Bumalda Spirea	12.88	
32 93 33 00-0610	EA	2 Gallon Spiraea x bumalda & cvs - Bumalda Spirea	23.10	
32 93 33 00-0611	EA	4 Gallon Spiraea x bumalda & cvs - Bumalda Spirea	29.97	
32 93 33 00-0612	EA	18" Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spirea	26.23	
32 93 33 00-0613	EA	24" Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spirea	31.85	
32 93 33 00-0614	EA	30" Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spirea	37.46	
32 93 33 00-0615	EA	36" Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spirea	42.46	
32 93 33 00-0616	EA	5 Gallon Spiraea x vanhouttei & cvs - Vanhoutte Spirea	29.97	
32 93 33 00-0617	EA	18" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea	29.97	
32 93 33 00-0618	EA	24" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea	34.97	
32 93 33 00-0619	EA	30" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea	47.46	
32 93 33 00-0620	EA	36" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea	54.95	
32 93 33 00-0621	EA	42" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea	64.94	
32 93 33 00-0622	EA	5 Gallon Staphylea trifolia - Bladdernut	42.16	
32 93 33 00-0623	EA	2 Gallon Stephanandra incisa & cvs - Cutleaf Stephanadra	29.97	
32 93 33 00-0624	EA	5 Gallon Stephanandra incisa & cvs - Cutleaf Stephanadra	32.47	
32 93 33 00-0625	EA	24" Balled and Burlapped, Stephanandra incisa & cvs - Cutleaf Stephanadra	37.46	
32 93 33 00-0626	EA	30" Balled and Burlapped, Stephanandra incisa & cvs - Cutleaf Stephanadra	44.96	
32 93 33 00-0627	EA	2 Gallon Symphoricarpos albus - Common Snowberry	31.22	
32 93 33 00-0628	EA	5 Gallon Symphoricarpos albus - Common Snowberry	33.09	
32 93 33 00-0629	EA	24" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac	54.95	
32 93 33 00-0630	EA	30" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac	68.69	
32 93 33 00-0631	EA	36" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac	79.92	
32 93 33 00-0632	EA	42" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac	92.41	
32 93 33 00-0633	EA	18" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac	54.95	
32 93 33 00-0634	EA	24" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac	59.94	
32 93 33 00-0635	EA	30" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac	68.69	
32 93 33 00-0636	EA	36" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac	79.92	
32 93 33 00-0637	EA	42" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac	92.41	
32 93 33 00-0638	EA	60" Balled and Burlapped, Syringa villosa & cvs - Late Lilac	43.71	
32 93 33 00-0639	EA	72" Balled and Burlapped, Syringa villosa & cvs - Late Lilac	47.46	
32 93 33 00-0640	EA	36" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac	37.46	
32 93 33 00-0641	EA	42' Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac	42.46	
32 93 33 00-0642	EA	48" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac	47.46	
32 93 33 00-0643	EA	60" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac	54.95	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0644	EA	72" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac	67.44	
32 93 33 00-0645	EA	5 Gallon Syringa x chinensis & cvs - Chinese Lilac	31.22	
32 93 33 00-0646	EA	36" Balled and Burlapped, Syringa x hyacinthiflora & cvs - Hybrid Lilac	36.22	
32 93 33 00-0647	EA	48" Balled and Burlapped, Syringa x hyacinthiflora & cvs - Hybrid Lilac	47.46	
32 93 33 00-0648	EA	48" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew	198.56	
32 93 33 00-0649	EA	54" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew	222.29	
32 93 33 00-0650	EA	60" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew	244.77	
32 93 33 00-0651	EA	72" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew	294.72	
32 93 33 00-0652	EA	18" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	52.45	
32 93 33 00-0653	EA	24" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	68.69	
32 93 33 00-0654	EA	30" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	79.92	
32 93 33 00-0655	EA	36" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	87.42	
32 93 33 00-0656	EA	15" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew	52.45	
32 93 33 00-0657	EA	18" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew	68.69	
32 93 33 00-0658	EA	24" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew	81.17	
32 93 33 00-0659	EA	30" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew	96.16	
32 93 33 00-0660	EA	36" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew	144.86	
32 93 33 00-0661	EA	36" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	79.92	
32 93 33 00-0662	EA	48" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	107.40	
32 93 33 00-0663	EA	60" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	162.35	
32 93 33 00-0664	EA	72" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	237.28	
32 93 33 00-0665	EA	84" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	272.24	
32 93 33 00-0666	EA	96" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	315.95	
32 93 33 00-0667	EA	15" Balled and Burlapped, Thuja occidentalis cvs - Dwarf Arborvitae	34.97	
32 93 33 00-0668	EA	18" Balled and Burlapped, Thuja occidentalis cvs - Dwarf Arborvitae	48.70	
32 93 33 00-0669	EA	24" Balled and Burlapped, Thuja occidentalis cvs - Dwarf Arborvitae	68.69	
32 93 33 00-0670	EA	3' To 4' Viburnum dilatatum - Linden Viburnum	59.70	
32 93 33 00-0671	EA	4' To 5' Viburnum dilatatum - Linden Viburnum	91.10	
32 93 33 00-0672	EA	5' To 6' Viburnum dilatatum - Linden Viburnum	119.54	
32 93 33 00-0673	EA	1 Gallon Viburnum japonicum - Japanese Viburnum	7.24	
32 93 33 00-0674	EA	3 Gallon Viburnum japonicum - Japanese Viburnum	19.86	
32 93 33 00-0675	EA	5 Gallon Viburnum plicatum - Japanese Snowball	35.69	
32 93 33 00-0676	EA	5' To 6' Viburnum plicatum - Japanese Snowball	133.76	
32 93 33 00-0677	EA	2' To 3' Viburnum rhytidophyllum - Leatherleaf Viburnum	62.65	
32 93 33 00-0678	EA	3' To 4' Viburnum rhytidophyllum - Leatherleaf Viburnum	73.92	
32 93 33 00-0679	EA	4' To 5' Viburnum rhytidophyllum - Leatherleaf Viburnum	103.97	
32 93 33 00-0680	EA	30" Balled and Burlapped, Viburnum burkwoodii & cvs - Burkwood Viburnum	68.69	
32 93 33 00-0681	EA	36" Balled and Burlapped, Viburnum burkwoodii & cvs - Burkwood Viburnum	82.42	
32 93 33 00-0682	EA	24" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum	62.44	
32 93 33 00-0683	EA	30" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum	74.93	
32 93 33 00-0684	EA	36" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum	87.42	
32 93 33 00-0685	EA	42" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum	99.91	
32 93 33 00-0686	EA	36" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum	34.97	
32 93 33 00-0687	EA	42" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum	37.46	
32 93 33 00-0688	EA	48" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum	43.71	
32 93 33 00-0689	EA	60" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum	49.95	
32 93 33 00-0690	EA	72" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum	54.95	
32 93 33 00-0691	EA	30" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	33.72	
32 93 33 00-0692	EA	36" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	37.46	
32 93 33 00-0693	EA	42" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	47.46	
32 93 33 00-0694	EA	48" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	54.95	
32 93 33 00-0695	EA	60" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	74.93	
32 93 33 00-0696	EA	72" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	89.92	
32 93 33 00-0697	EA	36" Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	37.46	
32 93 33 00-0698	EA	48" Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	49.95	
32 93 33 00-0699	EA	5' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	62.44	
32 93 33 00-0700	EA	6' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	87.42	
32 93 33 00-0701	EA	7' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	124.88	
32 93 33 00-0702	EA	8' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	174.84	
32 93 33 00-0703	EA	9' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	224.79	
32 93 33 00-0704	EA	30" Balled and Burlapped, Viburnum plicatum tomentosum & cvs - Doublefile Viburnum	44.96	
32 93 33 00-0705	EA	36" Balled and Burlapped, Viburnum plicatum tomentosum & cvs - Doublefile Viburnum	49.95	
32 93 33 00-0706	EA	36" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	89.92	
32 93 33 00-0707	EA	48" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	137.37	
32 93 33 00-0708	EA	60" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	174.84	
32 93 33 00-0709	EA	72" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	212.30	
32 93 33 00-0710	EA	84" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	262.25	
32 93 33 00-0711	EA	96" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	312.21	
32 93 33 00-0712	EA	108" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	374.65	
32 93 33 00-0713	EA	120" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	437.09	
32 93 33 00-0714	EA	30" Balled and Burlapped, Viburnum sargenti & cvs - Sargent Viburnum	38.09	
32 93 33 00-0715	EA	36" Balled and Burlapped, Viburnum sargenti & cvs - Sargent Viburnum	41.84	
32 93 33 00-0716	EA	48" Balled and Burlapped, Viburnum sargenti & cvs - Sargent Viburnum	47.46	
32 93 33 00-0717	EA	60" Balled and Burlapped, Viburnum sargenti & cvs - Sargent Viburnum	54.95	
32 93 33 00-0718	EA	72" Balled and Burlapped, Viburnum sargenti & cvs - Sargent Viburnum	63.07	
32 93 33 00-0719	EA	18" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	36.22	
32 93 33 00-0720	EA	24" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	43.71	
32 93 33 00-0721	EA	30" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	52.45	
32 93 33 00-0722	EA	36" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	59.94	
32 93 33 00-0723	EA	42" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	72.43	
32 93 33 00-0724	EA	48" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	79.92	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0725	EA	30" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum	62.44	
32 93 33 00-0726	EA	36" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum	74.93	
32 93 33 00-0727	EA	42" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum	87.42	
32 93 33 00-0728	EA	48" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum	99.91	
32 93 33 00-0729	EA	60" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum	112.39	
32 93 33 00-0730	EA	30" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum	79.92	
32 93 33 00-0731	EA	36" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum	89.92	
32 93 33 00-0732	EA	42" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum	102.40	
32 93 33 00-0733	EA	48" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum	117.39	
32 93 33 00-0734	EA	2' To 3' Viburum opulus "Roseum" - Fragrant Snowball	73.92	
32 93 33 00-0735	EA	3' To 4' Viburum opulus "Roseum" - Fragrant Snowball	91.09	
32 93 33 00-0736	EA	4' To 5' Viburum opulus "Roseum" - Fragrant Snowball	133.76	
32 93 33 00-0737	EA	5 Gallon Weigela florida & cvs - Old Fashioned Weigela	41.21	
32 93 33 00-0738	EA	24" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela	37.46	
32 93 33 00-0739	EA	30" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela	42.46	
32 93 33 00-0740	EA	36" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela	47.46	
32 93 33 00-0741	EA	42" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela	54.95	
32 93 33 00-0742	EA	48" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela	62.44	
32 93 33 00-0743	EA	1 Gallon Xylosma congestum - Shiny Xylosma	8.59	
32 93 33 00-0744	EA	5 Gallon Xylosma congestum - Shiny Xylosma	24.28	
32 93 33 00-0745	EA	15 Gallon Xylosma congestum - Shiny Xylosma	106.79	
32 93 33 00-0746	EA	1 Gallon Yucca aloifolia - Spanish Bayonet	7.24	
32 93 33 00-0747	EA	3 Gallon Yucca aloifolia - Spanish Bayonet	19.18	
32 93 33 00-0748	EA	1 Gallon Yucca filamentosa - Adams Needle	10.06	
32 93 33 00-0749	EA	3 Gallon Yucca filamentosa - Adams Needle	19.59	
32 93 33 00-0750	EA	5 Gallon Yucca filamentosa - Adams Needle	30.99	
32 93 33 00-0751	EA	5 Gallon Border Forsythia - Goldenbells	34.48	
32 93 33 00-0752	EA	2' To 3' Border Forsythia - Goldenbells	28.44	
32 93 33 00-0753	EA	3' To 4' Border Forsythia - Goldenbells	35.95	
32 93 33 00-0754	EA	4' To 5' Border Forsythia - Goldenbells	44.81	
32 93 33 00-0755	EA	5' To 6' Border Forsythia - Goldenbells	53.80	
32 93 33 00-0756	EA	6' To 8' Border Forsythia - Goldenbells	73.92	
32 93 33 00-0757	EA	3' Juniperus chinensis - Columnar Chinese Juniper	73.24	
32 93 33 00-0758	EA	4' Juniperus chinensis - Columnar Chinese Juniper	100.53	
32 93 33 00-0759	EA	5' Juniperus chinensis - Columnar Chinese Juniper	157.98	
32 93 33 00-0760	EA	6' Juniperus chinensis - Columnar Chinese Juniper	183.83	
32 93 33 00-0761	EA	7' Juniperus chinensis - Columnar Chinese Juniper	241.27	
32 93 33 00-0762	EA	2 Gallon Chrysobalanus icaco - Cocoplum Red Tip	14.36	
32 93 33 00-0763	EA	3 Gallon Chrysobalanus icaco - Cocoplum Red Tip	20.11	
32 93 33 00-0764	EA	5 Gallon Chrysobalanus icaco - Cocoplum Red Tip	48.69	
32 93 33 00-0765	EA	2 Gallon Chrysobalanus icaco - Cocoplum Green Tip	14.36	
32 93 33 00-0766	EA	3 Gallon Chrysobalanus icaco - Cocoplum Green Tip	20.11	
32 93 33 00-0767	EA	Beile Poitvine Roses	57.45	
32 93 33 00-0768	EA	3 Gallon Bird Of Paradise	25.85	
32 93 33 00-0769	EA	5 Gallon Bird Of Paradise	40.21	
32 93 33 00-0770	EA	7 Gallon Bird Of Paradise	54.57	
32 93 33 00-0771	EA	10 Gallon Bird Of Paradise	109.15	
32 93 33 00-0772	EA	18" Bonica Roses	66.06	
32 93 33 00-0773	EA	1 Gallon Burmese Grape	11.49	
32 93 33 00-0774	EA	5 Gallon Burmese Grape	31.60	
32 93 33 00-0775	EA	15 Gallon Burmese Grape	117.76	
32 93 33 00-0776	EA	6" To 9" Canby Paxistima	22.98	
32 93 33 00-0777	EA	9" To 12" Canby Paxistima	28.72	
32 93 33 00-0778	EA	12" To 15" Canby Paxistima	37.34	
32 93 33 00-0779	EA	5 Gallon Chastetree	40.21	
32 93 33 00-0780	EA	3' Chinese Lilac	57.45	
32 93 33 00-0781	EA	4' Chinese Lilac	71.81	
32 93 33 00-0782	EA	5' Chinese Lilac	97.66	
32 93 33 00-0783	EA	1 Gallon Christmas Berry	14.36	
32 93 33 00-0784	EA	2 Gallon Christmas Berry	31.60	
32 93 33 00-0785	EA	5 Gallon Christmas Berry	45.96	
32 93 33 00-0786	EA	15 Gallon Christmas Berry	212.55	
32 93 33 00-0787	EA	1 Gallon Concha Wild Lilac	11.49	
32 93 33 00-0788	EA	5 Gallon Concha Wild Lilac	28.72	
32 93 33 00-0789	EA	1 Gallon Flower Carpet Roses	28.72	
32 93 33 00-0790	EA	3 Gallon Flower Carpet Roses	54.57	
32 93 33 00-0791	EA	Goldfinger Potentillas	45.96	
32 93 33 00-0792	EA	Green Mound Alpine Currents	57.45	
32 93 33 00-0793	EA	24" Gro-Low Sumacs	57.45	
32 93 33 00-0794	EA	3 Gallon Heliconia	25.85	
32 93 33 00-0795	EA	1' Ibolium Private	2.87	
32 93 33 00-0796	EA	2' Ibolium Private	11.49	
32 93 33 00-0797	EA	3' Ibolium Private	20.11	
32 93 33 00-0798	EA	5 Gallon Japanese Privit	31.60	
32 93 33 00-0799	EA	24" Spirea - Little Princess	60.32	
32 93 33 00-0800	EA	2' Longstalk Holly	57.45	
32 93 33 00-0801	EA	2-1/2' Longstalk Holly	77.55	
32 93 33 00-0802	EA	3' Longstalk Holly	97.66	
32 93 33 00-0803	EA	3-1/2' Longstalk Holly	109.15	
32 93 33 00-0804	EA	3 Gallon Low Dense Pyracantha	28.72	
32 93 33 00-0805	EA	1 Gallon Pacific Wax Myrtle	8.62	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0806	EA	5 Gallon Pacific Wax Myrtle	28.72	
32 93 33 00-0807	EA	1 Gallon Red Escallonia	8.62	
32 93 33 00-0808	EA	5 Gallon Red Escallonia	28.72	
32 93 33 00-0809	EA	15 Gallon Red Escallonia	117.76	
32 93 33 00-0810	EA	24" Smooth Hydrangeas	68.94	
32 93 33 00-0811	EA	15" To 18" Somerset Burkwood Daphne	45.96	
32 93 33 00-0812	EA	18" To 24" Somerset Burkwood Daphne	60.32	
32 93 33 00-0813	EA	1 Gallon Spring Bouquet Laurustinis	8.62	
32 93 33 00-0814	EA	5 Gallon Spring Bouquet Laurustinis	31.60	
32 93 33 00-0815	EA	15" To 18" Summersweet	34.47	
32 93 33 00-0816	EA	18" To 24" Summersweet	40.21	
32 93 33 00-0817	EA	2' Sweet Shrubs	45.96	
32 93 33 00-0818	EA	3' Sweet Shrubs	60.32	
32 93 33 00-0819	EA	1 Gallon Variegated Silverberry	8.62	
32 93 33 00-0820	EA	3 Gallon Variegated Silverberry	20.11	
32 93 33 00-0821	EA	15 Gallon Variegated Silverberry	117.76	
32 93 33 00-0822	EA	1 Gallon Variegated Winter Daphne	14.36	
32 93 33 00-0823	EA	5 Gallon Variegated Winter Daphne	45.96	
32 93 33 00-0824	EA	15 Gallon Variegated Winter Daphne	212.55	
32 93 33 00-0825	EA	2' To 3' Virginia Sweetspire	100.53	
32 93 33 00-0826	EA	1 Gallon Warminster Broom	14.36	
32 93 33 00-0827	EA	2 Gallon Warminster Broom	28.72	
32 93 33 00-0828	EA	5 Gallon Warminster Broom	40.21	

32 93 43 Trees *(32 93)*

Note: (cvs = cultivar or cultivated varities) materials only. See CSI section 32 93 83 00-0001 for installation and planting of trees.

32 93 43 00-0001 Deciduous Ornamental Trees *(32 93 43)*

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0002	EA	6' Clump Form Acer ginnala & cvs - Amur Maple	274.12	
32 93 43 00-0003	EA	7' Clump Form Acer ginnala & cvs - Amur Maple	335.03	
32 93 43 00-0004	EA	8' Clump Form Acer ginnala & cvs - Amur Maple	380.72	
32 93 43 00-0005	EA	10' Clump Form Acer ginnala & cvs - Amur Maple	441.63	
32 93 43 00-0006	EA	12' Clump Form Acer ginnala & cvs - Amur Maple	502.55	
32 93 43 00-0007	EA	14' Clump Form Acer ginnala & cvs - Amur Maple	593.92	
32 93 43 00-0008	EA	1-1/2" To 2" Caliper Acer griseum - Paperbark Maple	272.76	
32 93 43 00-0009	EA	2" To 2-1/2" Caliper Acer griseum - Paperbark Maple	974.64	
32 93 43 00-0010	EA	2-1/2" To 3" Caliper Acer griseum - Paperbark Maple	1,218.30	
32 93 43 00-0011	EA	5' Clump Form Acer griseum - Paperbark Maple	243.66	
32 93 43 00-0012	EA	1-1/2" Caliper Aesculus californica - California Buckeye	609.15	
32 93 43 00-0013	EA	2" Caliper Aesculus californica - California Buckeye	791.89	
32 93 43 00-0014	EA	2-1/2" Caliper Aesculus californica - California Buckeye	913.72	
32 93 43 00-0015	EA	3" Caliper Aesculus californica - California Buckeye	1,035.55	
32 93 43 00-0016	EA	3-1/2" Caliper Aesculus californica - California Buckeye	1,218.30	
32 93 43 00-0017	EA	6' Albizia julibrissin - Silk Tree	743.93	
32 93 43 00-0018	EA	8' Albizia julibrissin - Silk Tree	991.90	
32 93 43 00-0019	EA	10' Albizia julibrissin - Silk Tree	1,239.88	
32 93 43 00-0020	EA	12' Albizia julibrissin - Silk Tree	1,487.86	
32 93 43 00-0021	EA	36" Balled and Burlapped, Amelanchier alnifolia & cvs - Saskatoon Serviceberry	99.91	
32 93 43 00-0022	EA	48" Balled and Burlapped, Amelanchier alnifolia & cvs - Saskatoon Serviceberry	124.88	
32 93 43 00-0023	EA	60" Balled and Burlapped, Amelanchier alnifolia & cvs - Saskatoon Serviceberry	154.85	
32 93 43 00-0024	EA	60" Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry	124.88	
32 93 43 00-0025	EA	72" Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry	149.86	
32 93 43 00-0026	EA	7' Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry	174.84	
32 93 43 00-0027	EA	8' Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry	199.81	
32 93 43 00-0028	EA	5' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry	224.79	
32 93 43 00-0029	EA	6' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry	249.77	
32 93 43 00-0030	EA	7' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry	287.23	
32 93 43 00-0031	EA	8' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry	324.69	
32 93 43 00-0032	EA	9' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry	374.65	
32 93 43 00-0033	EA	1-1/2" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry	304.57	
32 93 43 00-0034	EA	2" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry	426.40	
32 93 43 00-0035	EA	2-1/2" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry	456.86	
32 93 43 00-0036	EA	3" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry	533.00	
32 93 43 00-0037	EA	6' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	380.72	
32 93 43 00-0038	EA	7' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	456.86	
32 93 43 00-0039	EA	8' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	533.00	
32 93 43 00-0040	EA	10' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	609.15	
32 93 43 00-0041	EA	12' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	685.29	
32 93 43 00-0042	EA	14' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	761.43	
32 93 43 00-0043	EA	7' Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry	287.23	
32 93 43 00-0044	EA	8' Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry	337.18	
32 93 43 00-0045	EA	9' Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry	387.14	
32 93 43 00-0046	EA	10' Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry	424.60	
32 93 43 00-0047	EA	30" Balled and Burlapped, Amelanchier stolonifera & cvs - Running Serviceberry	99.91	
32 93 43 00-0048	EA	48" Balled and Burlapped, Amelanchier stolonifera & cvs - Running Serviceberry	212.30	
32 93 43 00-0049	EA	60" Balled and Burlapped, Amelanchier stolonifera & cvs - Running Serviceberry	274.74	
32 93 43 00-0050	EA	2' To 4' Amelemchier - Juneberry	30.41	
32 93 43 00-0051	EA	4' To 5' Amelemchier - Juneberry	31.90	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0052	EA	5' To 6' Amelemchier - Juneberry	37.98	
32 93 43 00-0053	EA	6' To 8' Amelemchier - Juneberry	45.32	
32 93 43 00-0054	EA	15 Gallon Chilopsis linearis - Desert Willow	66.62	
32 93 43 00-0055	EA	24" Box Chilopsis linearis - Desert Willow	214.55	
32 93 43 00-0056	EA	36" Box Chilopsis linearis - Desert Willow	564.62	
32 93 43 00-0057	EA	15 Gallon Chionanthus retusus - Chinese Fringe Tree	66.62	
32 93 43 00-0058	EA	24" Box Chionanthus retusus - Chinese Fringe Tree	180.68	
32 93 43 00-0059	EA	36" Box Chionanthus retusus - Chinese Fringe Tree	621.08	
32 93 43 00-0060	EA	1-1/2" Caliper Arbutus menziesii - Madrona	539.08	
32 93 43 00-0061	EA	2" Caliper Arbutus menziesii - Madrona	700.80	
32 93 43 00-0062	EA	2-1/2" Caliper Arbutus menziesii - Madrona	808.62	
32 93 43 00-0063	EA	3" Caliper Arbutus menziesii - Madrona	916.43	
32 93 43 00-0064	EA	3-1/2" Caliper Arbutus menziesii - Madrona	1,078.16	
32 93 43 00-0065	EA	1 Gallon Arbutus 'Marina' - Marina Strawberry Tree	7.34	
32 93 43 00-0066	EA	5 Gallon Arbutus 'Marina' - Marina Strawberry Tree	27.67	
32 93 43 00-0067	EA	15 Gallon Arbutus 'Marina' - Marina Strawberry Tree	89.21	
32 93 43 00-0068	EA	24" Box Arbutus 'Marina' - Marina Strawberry Tree	214.55	
32 93 43 00-0069	EA	36" Box Arbutus 'Marina' - Marina Strawberry Tree	690.08	
32 93 43 00-0070	EA	1 Gallon Arbutus unedo - Strawberry Tree	6.78	
32 93 43 00-0071	EA	5 Gallon Arbutus unedo - Strawberry Tree	20.33	
32 93 43 00-0072	EA	15 Gallon Arbutus unedo - Strawberry Tree	89.21	
32 93 43 00-0073	EA	24" Box Arbutus unedo - Strawberry Tree	214.55	
32 93 43 00-0074	EA	36" Box Arbutus unedo - Strawberry Tree	621.08	
32 93 43 00-0075	EA	3' Clump Form Asimina triloba - Paw-Paw	213.20	
32 93 43 00-0076	EA	4' Clump Form Asimina triloba - Paw-Paw	243.66	
32 93 43 00-0077	EA	5' Clump Form Asimina triloba - Paw-Paw	335.03	
32 93 43 00-0078	EA	6' Brachychiton acerifolius - Flame Tree	743.93	
32 93 43 00-0079	EA	8' Brachychiton acerifolius - Flame Tree	991.90	
32 93 43 00-0080	EA	10' Brachychiton acerifolius - Flame Tree	1,239.88	
32 93 43 00-0081	EA	12' Brachychiton acerifolius - Flame Tree	1,487.86	
32 93 43 00-0082	EA	1 Gallon Callistemon salignus - White BottleBrush	3.95	
32 93 43 00-0083	EA	5 Gallon Callistemon salignus - White BottleBrush	11.29	
32 93 43 00-0084	EA	15 Gallon Callistemon salignus - White BottleBrush	44.04	
32 93 43 00-0085	EA	24" Box Callistemon salignus - White BottleBrush	180.68	
32 93 43 00-0086	EA	5 Gallon Calodendrum capense - Cape Chestnut	46.50	
32 93 43 00-0087	EA	15 Gallon Calodendrum capense - Cape Chestnut	185.98	
32 93 43 00-0088	EA	24" Box Calodendrum capense - Cape Chestnut	697.43	
32 93 43 00-0089	EA	1-1/2" Caliper Carpinus caroliniana - American Hornbeam Ironwood	456.86	
32 93 43 00-0090	EA	2" Caliper Carpinus caroliniana - American Hornbeam Ironwood	533.00	
32 93 43 00-0091	EA	2-1/2" Caliper Carpinus caroliniana - American Hornbeam Ironwood	685.29	
32 93 43 00-0092	EA	5' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	274.12	
32 93 43 00-0093	EA	6' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	335.03	
32 93 43 00-0094	EA	7' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	456.86	
32 93 43 00-0095	EA	8' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	533.00	
32 93 43 00-0096	EA	10' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	639.61	
32 93 43 00-0097	EA	12' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	776.66	
32 93 43 00-0098	EA	14' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	883.26	
32 93 43 00-0099	EA	8' Cassia leptophlia - Gold Medallion Tree	402.96	
32 93 43 00-0100	EA	10' Cassia leptophlia - Gold Medallion Tree	511.45	
32 93 43 00-0101	EA	12' Cassia leptophlia - Gold Medallion Tree	619.94	
32 93 43 00-0102	EA	5 Gallon Celtis Sinensis - Chinese Hackberry	45.48	
32 93 43 00-0103	EA	15 Gallon Celtis Sinensis - Chinese Hackberry	119.92	
32 93 43 00-0104	EA	24" Box Celtis Sinensis - Chinese Hackberry	392.82	
32 93 43 00-0105	EA	36" Box Celtis Sinensis - Chinese Hackberry	1,147.46	
32 93 43 00-0106	EA	15 Gallon Cercis canadensis - American Redbud, Eastern Redbud	89.21	
32 93 43 00-0107	EA	24" Box Cercis canadensis - American Redbud, Eastern Redbud	214.55	
32 93 43 00-0108	EA	36" Box Cercis canadensis - American Redbud, Eastern Redbud	564.62	
32 93 43 00-0109	EA	1 Gallon Cercis occidentalis - Western Redbud	7.34	
32 93 43 00-0110	EA	5 Gallon Cercis occidentalis - Western Redbud	27.67	
32 93 43 00-0111	EA	15 Gallon Cercis occidentalis - Western Redbud	89.21	
32 93 43 00-0112	EA	24" Box Cercis occidentalis - Western Redbud	214.55	
32 93 43 00-0113	EA	36" Box Cercis occidentalis - Western Redbud	621.08	
32 93 43 00-0114	EA	1 Gallon Chitalpa tashkentensis - Chitalpa	5.08	
32 93 43 00-0115	EA	5 Gallon Chitalpa tashkentensis - Chitalpa	15.81	
32 93 43 00-0116	EA	15 Gallon Chitalpa tashkentensis - Chitalpa	55.33	
32 93 43 00-0117	EA	24" Box Chitalpa tashkentensis - Chitalpa	180.68	
32 93 43 00-0118	EA	36" Box Chitalpa tashkentensis - Chitalpa	508.15	
32 93 43 00-0119	EA	5' To 6' Chaenomeles - Orange Quince	96.20	
32 93 43 00-0120	EA	6' To 8' Chaenomeles - Orange Quince	120.25	
32 93 43 00-0121	EA	1-1/2" Caliper Chilopsis linearis - Desert Willow	601.34	
32 93 43 00-0122	EA	2" Caliper Chilopsis linearis - Desert Willow	722.23	
32 93 43 00-0123	EA	2-1/2" Caliper Chilopsis linearis - Desert Willow	768.73	
32 93 43 00-0124	EA	3" Caliper Chilopsis linearis - Desert Willow	852.42	
32 93 43 00-0125	EA	5 Gallon Chionanthus retusus - Chinese Fringe Tree	31.00	
32 93 43 00-0126	EA	15 Gallon Chionanthus retusus - Chinese Fringe Tree	123.99	
32 93 43 00-0127	EA	24" Box Chionanthus retusus - Chinese Fringe Tree	619.94	
32 93 43 00-0128	EA	6' Chionanthus virginicus - White Fringe Tree	371.96	
32 93 43 00-0129	EA	8' Chionanthus virginicus - White Fringe Tree	490.36	
32 93 43 00-0130	EA	10' Chionanthus virginicus - White Fringe Tree	683.01	
32 93 43 00-0131	EA	5' Clump Form Chionanthus virginicus - White Fringetree	304.57	
32 93 43 00-0132	EA	6' Clump Form Chionanthus virginicus - White Fringetree	380.72	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0133	EA	7' Clump Form Chionanthus virginicus - White Fringetree	487.32	
32 93 43 00-0134	EA	4' To 5' Cornus - Pink Or Red Flowering Dogwood	109.94	
32 93 43 00-0135	EA	5' To 6' Cornus - Pink Or Red Flowering Dogwood	137.43	
32 93 43 00-0136	EA	6' To 7' Cornus - Pink Or Red Flowering Dogwood	192.40	
32 93 43 00-0137	EA	7' To 8' Cornus - Pink Or Red Flowering Dogwood	247.37	
32 93 43 00-0138	EA	4' To 5' Cornus - White Flowering Dogwood	73.30	
32 93 43 00-0139	EA	5' To 6' Cornus - White Flowering Dogwood	109.94	
32 93 43 00-0140	EA	6' To 7' Cornus - White Flowering Dogwood	153.92	
32 93 43 00-0141	EA	3' To 4' Cornus kousa - Japanese Dogwood	73.30	
32 93 43 00-0142	EA	4' To 5' Cornus kousa - Japanese Dogwood	84.29	
32 93 43 00-0143	EA	5' To 6' Cornus kousa - Japanese Dogwood	109.94	
32 93 43 00-0144	EA	6' To 8' Cornus kousa - Japanese Dogwood	161.25	
32 93 43 00-0145	EA	8' To 10' Cornus kousa - Japanese Dogwood	219.89	
32 93 43 00-0146	EA	1-1/2" Caliper Cornus alternifolia & cvs - Pagoda Dogwood	350.26	
32 93 43 00-0147	EA	2" Caliper Cornus alternifolia & cvs - Pagoda Dogwood	426.40	
32 93 43 00-0148	EA	4' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	167.52	
32 93 43 00-0149	EA	5' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	213.20	
32 93 43 00-0150	EA	6' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	243.66	
32 93 43 00-0151	EA	7' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	274.12	
32 93 43 00-0152	EA	8' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	335.03	
32 93 43 00-0153	EA	4' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	167.52	
32 93 43 00-0154	EA	5' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	213.20	
32 93 43 00-0155	EA	6' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	258.89	
32 93 43 00-0156	EA	7' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	304.57	
32 93 43 00-0157	EA	8' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	426.40	
32 93 43 00-0158	EA	1-1/2" Caliper Cornus mas & cvs - Corneliancherry Dogwood	380.72	
32 93 43 00-0159	EA	2" Caliper Cornus mas & cvs - Corneliancherry Dogwood	456.86	
32 93 43 00-0160	EA	2-1/2" Caliper Cornus mas & cvs - Corneliancherry Dogwood	533.00	
32 93 43 00-0161	EA	1-1/2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	304.57	
32 93 43 00-0162	EA	2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	380.72	
32 93 43 00-0163	EA	2-1/2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	472.09	
32 93 43 00-0164	EA	3" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	533.00	
32 93 43 00-0165	EA	3-1/2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	609.15	
32 93 43 00-0166	EA	4" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	685.29	
32 93 43 00-0167	EA	6' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	304.57	
32 93 43 00-0168	EA	7' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	365.49	
32 93 43 00-0169	EA	8' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	426.40	
32 93 43 00-0170	EA	10' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	533.00	
32 93 43 00-0171	EA	12' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	685.29	
32 93 43 00-0172	EA	5 Gallon Crataegus phaenopyrum - Washington Hawthorn	45.48	
32 93 43 00-0173	EA	15 Gallon Crataegus phaenopyrum - Washington Hawthorn	119.92	
32 93 43 00-0174	EA	24" Box Crataegus phaenopyrum - Washington Hawthorn	392.82	
32 93 43 00-0175	EA	36" Box Crataegus phaenopyrum - Washington Hawthorn	1,147.46	
32 93 43 00-0176	EA	1-1/2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	243.66	
32 93 43 00-0177	EA	2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	274.12	
32 93 43 00-0178	EA	2-1/2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	304.57	
32 93 43 00-0179	EA	3" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	350.26	
32 93 43 00-0180	EA	3-1/2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	456.86	
32 93 43 00-0181	EA	4" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	517.78	
32 93 43 00-0182	EA	6' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	213.20	
32 93 43 00-0183	EA	7' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	258.89	
32 93 43 00-0184	EA	8' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	304.57	
32 93 43 00-0185	EA	10' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	380.72	
32 93 43 00-0186	EA	12' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	472.09	
32 93 43 00-0187	EA	14' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	563.46	
32 93 43 00-0188	EA	16' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	654.83	
32 93 43 00-0189	EA	1-1/2" Caliper Crataegus viridis - Winter King Hawthorn	243.66	
32 93 43 00-0190	EA	2" Caliper Crataegus viridis - Winter King Hawthorn	274.12	
32 93 43 00-0191	EA	2-1/2" Caliper Crataegus viridis - Winter King Hawthorn	380.72	
32 93 43 00-0192	EA	3" Caliper Crataegus viridis - Winter King Hawthorn	502.55	
32 93 43 00-0193	EA	6' Clump Form Crataegus viridis - Winter King Hawthorn	228.43	
32 93 43 00-0194	EA	7' Clump Form Crataegus viridis - Winter King Hawthorn	304.57	
32 93 43 00-0195	EA	8' Clump Form Crataegus viridis - Winter King Hawthorn	380.72	
32 93 43 00-0196	EA	10' Clump Form Crataegus viridis - Winter King Hawthorn	456.86	
32 93 43 00-0197	EA	1 Gallon Eucalyptus ficifolia - Red-Flowering Gum	13.44	
32 93 43 00-0198	EA	5 Gallon Eucalyptus ficifolia - Red-Flowering Gum	37.22	
32 93 43 00-0199	EA	15 Gallon Eucalyptus ficifolia - Red-Flowering Gum	163.33	
32 93 43 00-0200	EA	24" Box Eucalyptus ficifolia - Red-Flowering Gum	392.82	
32 93 43 00-0201	EA	36" Box Eucalyptus ficifolia - Red-Flowering Gum	1,033.75	
32 93 43 00-0202	EA	15 Gallon Fraxinus velutina 'Raywood' - Fan-Tex Ash	101.31	
32 93 43 00-0203	EA	24" Box Fraxinus velutina 'Raywood' - Fan-Tex Ash	330.80	
32 93 43 00-0204	EA	36" Box Fraxinus velutina 'Raywood' - Fan-Tex Ash	878.69	
32 93 43 00-0205	EA	48" Box Fraxinus velutina 'Raywood' - Fan-Tex Ash	1,964.12	
32 93 43 00-0206	EA	15 Gallon Geijera parvifolia - Australian Willow	210.16	
32 93 43 00-0207	EA	24" Box Geijera parvifolia - Australian Willow	432.57	
32 93 43 00-0208	EA	30" Box Geijera parvifolia - Australian Willow	805.60	
32 93 43 00-0209	EA	36" Box Geijera parvifolia - Australian Willow	1,155.86	
32 93 43 00-0210	EA	5 Gallon Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	28.94	
32 93 43 00-0211	EA	15 Gallon Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	101.31	
32 93 43 00-0212	EA	24" Box Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	330.80	
32 93 43 00-0213	EA	36" Box Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	878.69	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0214	EA	48" Box Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	1,964.12	
32 93 43 00-0215	EA	5 Gallon Ginkgo biloba - Maidenhair Tree or Ginkgo	27.67	
32 93 43 00-0216	EA	15 Gallon Ginkgo biloba - Maidenhair Tree or Ginkgo	89.21	
32 93 43 00-0217	EA	24" Box Ginkgo biloba - Maidenhair Tree or Ginkgo	180.68	
32 93 43 00-0218	EA	36" Box Ginkgo biloba - Maidenhair Tree or Ginkgo	621.08	
32 93 43 00-0219	EA	1-1/2" Caliper Ginko Biloba - Maidenhair Tree	623.46	
32 93 43 00-0220	EA	2" Caliper Ginko Biloba - Maidenhair Tree	868.64	
32 93 43 00-0221	EA	2-1/2" Caliper Ginko Biloba - Maidenhair Tree	1,047.28	
32 93 43 00-0222	EA	3" Caliper Ginko Biloba - Maidenhair Tree	1,222.41	
32 93 43 00-0223	EA	3-1/2" Caliper Ginko Biloba - Maidenhair Tree	1,600.69	
32 93 43 00-0224	EA	4" Caliper Ginko Biloba - Maidenhair Tree	1,709.27	
32 93 43 00-0225	EA	4-1/2" Caliper Ginko Biloba - Maidenhair Tree	1,821.35	
32 93 43 00-0226	EA	24" Box Ginko Biloba - Maidenhair Tree	569.17	
32 93 43 00-0227	EA	4' Clump Form Hamamelis virginiana - Common Witchhazel	152.29	
32 93 43 00-0228	EA	5' Clump Form Hamamelis virginiana - Common Witchhazel	197.97	
32 93 43 00-0229	EA	6' Clump Form Hamamelis virginiana - Common Witchhazel	243.66	
32 93 43 00-0230	EA	7' Clump Form Hamamelis virginiana - Common Witchhazel	335.03	
32 93 43 00-0231	EA	8' Clump Form Hamamelis virginiana - Common Witchhazel	456.86	
32 93 43 00-0232	EA	1 Gallon Ilex Cassine - Casine Holly (Dahoon)	8.76	
32 93 43 00-0233	EA	5 Gallon Ilex Cassine - Casine Holly (Dahoon)	28.02	
32 93 43 00-0234	EA	4' To 5' Ilex Cassine - Casine Holly (Dahoon)	48.16	
32 93 43 00-0235	EA	6' To 7' Ilex Cassine - Casine Holly (Dahoon)	91.94	
32 93 43 00-0236	EA	8' To 9' Ilex Cassine - Casine Holly (Dahoon)	122.59	
32 93 43 00-0237	EA	10' To 12' Ilex Cassine - Casine Holly (Dahoon)	157.62	
32 93 43 00-0238	EA	1-1/2" Caliper Koelreuteria bipinnata - Chinese Flame Tree	371.96	
32 93 43 00-0239	EA	2" Caliper Koelreuteria bipinnata - Chinese Flame Tree	604.44	
32 93 43 00-0240	EA	2-1/2" Caliper Koelreuteria bipinnata - Chinese Flame Tree	743.93	
32 93 43 00-0241	EA	3" Caliper Koelreuteria bipinnata - Chinese Flame Tree	821.42	
32 93 43 00-0242	EA	24" Box Koelreuteria bipinnata - Chinese Flame Tree	362.66	
32 93 43 00-0243	EA	30" Box Koelreuteria bipinnata - Chinese Flame Tree	836.92	
32 93 43 00-0244	EA	36" Box Koelreuteria bipinnata - Chinese Flame Tree	1,309.62	
32 93 43 00-0245	EA	1-1/2" Cliber Koelreuteria paniculata - Golden Rain Tree	337.87	
32 93 43 00-0246	EA	2" Cliber Koelreuteria paniculata - Golden Rain Tree	548.65	
32 93 43 00-0247	EA	3" Cliber Koelreuteria paniculata - Golden Rain Tree	759.43	
32 93 43 00-0248	EA	4' To 5' Lagerstroemia indica - Crape Myrtle	224.17	
32 93 43 00-0249	EA	6' Lagerstroemia indica - Crape Myrtle	416.81	
32 93 43 00-0250	EA	8' Lagerstroemia indica - Crape Myrtle	430.82	
32 93 43 00-0251	EA	10' Lagerstroemia indica - Crape Myrtle	521.89	
32 93 43 00-0252	EA	24" Box Lagerstroemia indica - Crape Myrtle	409.80	
32 93 43 00-0253	EA	1 Gallon Handroanthus impetiginosus (Tabebuia avellanedae) - Pink Trumpet Tree	11.18	
32 93 43 00-0254	EA	5 Gallon Handroanthus impetiginosus (Tabebuia avellanedae) - Pink Trumpet Tree	27.67	
32 93 43 00-0255	EA	15 Gallon Handroanthus impetiginosus (Tabebuia avellanedae) - Pink Trumpet Tree	89.21	
32 93 43 00-0256	EA	1 Gallon Jacaranda mimosifolia - Jacaranda	7.34	
32 93 43 00-0257	EA	5 Gallon Jacaranda mimosifolia - Jacaranda	20.33	
32 93 43 00-0258	EA	15 Gallon Jacaranda mimosifolia - Jacaranda	55.33	
32 93 43 00-0259	EA	24" Box Jacaranda mimosifolia - Jacaranda	180.68	
32 93 43 00-0260	EA	36" Box Jacaranda mimosifolia - Jacaranda	508.15	
32 93 43 00-0261	EA	1 Gallon Koelreuteria bipinnata - Chinese Flame Tree	7.34	
32 93 43 00-0262	EA	5 Gallon Koelreuteria bipinnata - Chinese Flame Tree	20.33	
32 93 43 00-0263	EA	15 Gallon Koelreuteria bipinnata - Chinese Flame Tree	66.62	
32 93 43 00-0264	EA	5 Gallon Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	28.94	
32 93 43 00-0265	EA	15 Gallon Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	121.98	
32 93 43 00-0266	EA	24" Box Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	330.80	
32 93 43 00-0267	EA	36" Box Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	930.38	
32 93 43 00-0268	EA	48" Box Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	2,377.62	
32 93 43 00-0269	EA	5 Gallon Liquidambar styraciflua 'Festival' - Festival Sweetgum	28.94	
32 93 43 00-0270	EA	15 Gallon Liquidambar styraciflua 'Festival' - Festival Sweetgum	121.98	
32 93 43 00-0271	EA	24" Box Liquidambar styraciflua 'Festival' - Festival Sweetgum	330.80	
32 93 43 00-0272	EA	36" Box Liquidambar styraciflua 'Festival' - Festival Sweetgum	930.38	
32 93 43 00-0273	EA	48" Box Liquidambar styraciflua 'Festival' - Festival Sweetgum	2,377.62	
32 93 43 00-0274	EA	5 Gallon Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum	28.94	
32 93 43 00-0275	EA	15 Gallon Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum	121.98	
32 93 43 00-0276	EA	24" Box Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum	330.80	
32 93 43 00-0277	EA	36" Box Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum	930.38	
32 93 43 00-0278	EA	48" Box Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum	2,377.62	
32 93 43 00-0279	EA	15 Gallon Macadamia integrifolia - Smoothshell macadamia	169.38	
32 93 43 00-0280	EA	2' To 3' Magnolia Virginiana - Sweetbay Magnolia	57.72	
32 93 43 00-0281	EA	3' To 4' Magnolia Virginiana - Sweetbay Magnolia	86.58	
32 93 43 00-0282	EA	4' To 5' Magnolia Virginiana - Sweetbay Magnolia	108.23	
32 93 43 00-0283	EA	5' To 6' Magnolia Virginiana - Sweetbay Magnolia	134.80	
32 93 43 00-0284	EA	4' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	228.43	
32 93 43 00-0285	EA	5' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	304.57	
32 93 43 00-0286	EA	6' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	395.95	
32 93 43 00-0287	EA	7' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	441.63	
32 93 43 00-0288	EA	9' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	593.92	
32 93 43 00-0289	EA	8' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	533.00	
32 93 43 00-0290	EA	6' Magnolia grandiflora 'St. Mary's'	464.96	
32 93 43 00-0291	EA	8' Magnolia grandiflora 'St. Mary's'	821.42	
32 93 43 00-0292	EA	10' Magnolia grandiflora 'St. Mary's'	1,032.20	
32 93 43 00-0293	EA	12' Magnolia grandiflora 'St. Mary's'	1,239.88	
32 93 43 00-0294	EA	14' Magnolia grandiflora 'St. Mary's'	1,441.36	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0295	EA	16' Magnolia grandiflora 'St. Mary's'	1,704.84	
32 93 43 00-0296	EA	24" Box Magnolia grandiflora 'St. Mary's'	511.45	
32 93 43 00-0297	EA	6' Magnolia grandiflora - Southern Magnolia	229.38	
32 93 43 00-0298	EA	7' Magnolia grandiflora - Southern Magnolia	347.17	
32 93 43 00-0299	EA	8' Magnolia grandiflora - Southern Magnolia	486.65	
32 93 43 00-0300	EA	9' Magnolia grandiflora - Southern Magnolia	647.84	
32 93 43 00-0301	EA	10' Magnolia grandiflora - Southern Magnolia	985.70	
32 93 43 00-0302	EA	24" Box Magnolia grandiflora - Southern Magnolia	402.96	
32 93 43 00-0303	EA	4' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	228.43	
32 93 43 00-0304	EA	5' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	304.57	
32 93 43 00-0305	EA	6' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	395.95	
32 93 43 00-0306	EA	7' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	441.63	
32 93 43 00-0307	EA	8' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	533.00	
32 93 43 00-0308	EA	9' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	593.92	
32 93 43 00-0309	EA	4' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	228.43	
32 93 43 00-0310	EA	5' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	304.57	
32 93 43 00-0311	EA	6' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	395.95	
32 93 43 00-0312	EA	7' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	441.63	
32 93 43 00-0313	EA	8' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	533.00	
32 93 43 00-0314	EA	9' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	593.92	
32 93 43 00-0315	EA	4' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	228.43	
32 93 43 00-0316	EA	5' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	304.57	
32 93 43 00-0317	EA	6' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	395.95	
32 93 43 00-0318	EA	7' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	441.63	
32 93 43 00-0319	EA	8' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	533.00	
32 93 43 00-0320	EA	9' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	593.92	
32 93 43 00-0321	EA	4' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	228.43	
32 93 43 00-0322	EA	5' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	304.57	
32 93 43 00-0323	EA	6' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	395.95	
32 93 43 00-0324	EA	7' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	441.63	
32 93 43 00-0325	EA	8' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	533.00	
32 93 43 00-0326	EA	9' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	593.92	
32 93 43 00-0327	EA	5 Gallon Malus - Crabapple	61.84	
32 93 43 00-0328	EA	15 Gallon Malus - Crabapple	157.70	
32 93 43 00-0329	EA	20 Gallon Malus - Crabapple	185.53	
32 93 43 00-0330	EA	1-1/2" Caliper Malus cvs - Crabapple Varieties	182.74	
32 93 43 00-0331	EA	2" Caliper Malus cvs - Crabapple Varieties	243.66	
32 93 43 00-0332	EA	2-1/2" Caliper Malus cvs - Crabapple Varieties	304.57	
32 93 43 00-0333	EA	3" Caliper Malus cvs - Crabapple Varieties	365.49	
32 93 43 00-0334	EA	3-1/2" Caliper Malus cvs - Crabapple Varieties	426.40	
32 93 43 00-0335	EA	4" Caliper Malus cvs - Crabapple Varieties	487.32	
32 93 43 00-0336	EA	6' Clump Form Malus cvs - Crabapple Varieties	274.12	
32 93 43 00-0337	EA	7' Clump Form Malus cvs - Crabapple Varieties	304.57	
32 93 43 00-0338	EA	8' Clump Form Malus cvs - Crabapple Varieties	380.72	
32 93 43 00-0339	EA	10' Clump Form Malus cvs - Crabapple Varieties	426.40	
32 93 43 00-0340	EA	12' Clump Form Malus cvs - Crabapple Varieties	548.23	
32 93 43 00-0341	EA	1-1/2" Caliper Malus dwarf cvs - Dwarf Crabapple Cultivars	304.57	
32 93 43 00-0342	EA	2" Caliper Malus dwarf cvs - Dwarf Crabapple Cultivars	380.72	
32 93 43 00-0343	EA	4' Clump Form Malus dwarf cvs - Dwarf Crabapple	228.43	
32 93 43 00-0344	EA	5' Clump Form Malus dwarf cvs - Dwarf Crabapple	289.35	
32 93 43 00-0345	EA	6' Clump Form Malus dwarf cvs - Dwarf Crabapple	350.26	
32 93 43 00-0346	EA	7' Clump Form Malus dwarf cvs - Dwarf Crabapple	395.95	
32 93 43 00-0347	EA	8' Clump Form Malus dwarf cvs - Dwarf Crabapple	441.63	
32 93 43 00-0348	EA	9' Clump Form Malus dwarf cvs - Dwarf Crabapple	487.32	
32 93 43 00-0349	EA	1 Gallon Melaleuca saligna (Callistemon salignus) - White Bottle Brush	6.49	
32 93 43 00-0350	EA	5 Gallon Melaleuca saligna (Callistemon salignus) - White Bottle Brush	31.05	
32 93 43 00-0351	EA	15 Gallon Melaleuca saligna (Callistemon salignus) - White Bottle Brush	53.64	
32 93 43 00-0352	EA	15 Gallon Melia azedarach - China Berry	64.35	
32 93 43 00-0353	EA	24" Box Melia azedarach - China Berry	212.28	
32 93 43 00-0354	EA	4' To 5' Oxydendrum arboreum - Sourwood	139.72	
32 93 43 00-0355	EA	5' To 6' Oxydendrum arboreum - Sourwood	174.65	
32 93 43 00-0356	EA	6' To 7' Oxydendrum arboreum - Sourwood	209.58	
32 93 43 00-0357	EA	7' To 8' Oxydendrum arboreum - Sourwood	244.51	
32 93 43 00-0358	EA	1 Gallon Pittosporum undulatum - Victorian Box	12.97	
32 93 43 00-0359	EA	5 Gallon Pittosporum undulatum - Victorian Box	27.93	
32 93 43 00-0360	EA	15 Gallon Pittosporum undulatum - Victorian Box	157.58	
32 93 43 00-0361	EA	24" Box Pittosporum undulatum - Victorian Box	378.99	
32 93 43 00-0362	EA	36" Box Pittosporum undulatum - Victorian Box	1,097.08	
32 93 43 00-0363	EA	48" Box Pittosporum undulatum - Victorian Box	2,493.38	
32 93 43 00-0364	EA	5 Gallon Platanus Racemosa - California Sycamore	20.33	
32 93 43 00-0365	EA	15 Gallon Platanus Racemosa - California Sycamore	55.33	
32 93 43 00-0366	EA	24" Box Platanus Racemosa - California Sycamore	180.68	
32 93 43 00-0367	EA	36" Box Platanus Racemosa - California Sycamore	508.15	
32 93 43 00-0368	EA	1 Gallon Platanus racemosa, Multi Trunk - Western Sycamore	6.52	
32 93 43 00-0369	EA	5 Gallon Platanus racemosa, Multi Trunk - Western Sycamore	27.59	
32 93 43 00-0370	EA	20 Gallon Prunus subhirtella - Flowering Cherry	376.75	
32 93 43 00-0371	EA	1-1/2" To 2" Caliper Prunus subhirtella - Flowering Cherry	389.45	
32 93 43 00-0372	EA	2" To 2-1/2" Caliper Prunus subhirtella - Flowering Cherry	486.76	
32 93 43 00-0373	EA	3-1/2" To 4" Caliper Prunus subhirtella - Flowering Cherry	1,015.82	
32 93 43 00-0374	EA	3" To 3-1/2" Caliper Prunus subhirtella - Flowering Cherry	782.92	
32 93 43 00-0375	EA	4" To 5" Caliper Prunus subhirtella - Flowering Cherry	1,523.74	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0376	EA	4' To 6' Prunus - Pigeon Plum	154.04	
32 93 43 00-0377	EA	8' To 10' Prunus - Pigeon Plum	523.75	
32 93 43 00-0378	EA	10' To 12' Prunus - Pigeon Plum	665.47	
32 93 43 00-0379	EA	14' To 16' Prunus - Pigeon Plum	1,047.51	
32 93 43 00-0380	EA	5 Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	97.31	
32 93 43 00-0381	EA	15 Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	266.55	
32 93 43 00-0382	EA	20 Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	347.14	
32 93 43 00-0383	EA	5' To 6' Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	110.00	
32 93 43 00-0384	EA	6' To 8' Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	211.55	
32 93 43 00-0385	EA	1-1/2" To 2" Caliper Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	389.45	
32 93 43 00-0386	EA	2" To 2-1/2" Caliper Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	465.60	
32 93 43 00-0387	EA	1-1/2" To 1-3/4" Caliper Prunus subhirtella - Weeping Cherry	304.83	
32 93 43 00-0388	EA	1-1/4" To 1-1/2" Caliper Prunus subhirtella - Weeping Cherry	253.86	
32 93 43 00-0389	EA	1-3/4" To 2" Caliper Prunus subhirtella - Weeping Cherry	372.32	
32 93 43 00-0390	EA	2" To 2-1/2" Caliper Prunus subhirtella - Weeping Cherry	444.45	
32 93 43 00-0391	EA	2-1/2" To 3" Caliper Prunus subhirtella - Weeping Cherry	571.38	
32 93 43 00-0392	EA	6' To 8' Prunus yedoensis - Yoshino Cherry	220.21	
32 93 43 00-0393	EA	1-1/2" To 2" Caliper Prunus yedoensis - Yoshino Cherry	338.68	
32 93 43 00-0394	EA	2" To 2-1/2" Caliper Prunus yedoensis - Yoshino Cherry	414.63	
32 93 43 00-0395	EA	2-1/2" To 3" Caliper Prunus yedoensis - Yoshino Cherry	529.07	
32 93 43 00-0396	EA	15 Gallon Pyrus Calleryana x 'Aristocrat' - Flowering Pear	294.15	
32 93 43 00-0397	EA	20 Gallon Pyrus Calleryana x 'Aristocrat' - Flowering Pear	367.69	
32 93 43 00-0398	EA	1-1/2" To 2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	382.39	
32 93 43 00-0399	EA	2" To 2-1/2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	455.93	
32 93 43 00-0400	EA	2-1/2" To 3" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	617.71	
32 93 43 00-0401	EA	3" To 3-1/2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	808.91	
32 93 43 00-0402	EA	3-1/2" To 4" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	1,029.52	
32 93 43 00-0403	EA	15 Gallon Pyrus Calleryana x "Bradford" - Flowering Pear	294.15	
32 93 43 00-0404	EA	20 Gallon Pyrus Calleryana x "Bradford" - Flowering Pear	367.69	
32 93 43 00-0405	EA	1-1/2" To 2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	250.03	
32 93 43 00-0406	EA	2" To 2-1/2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	382.39	
32 93 43 00-0407	EA	2-1/2" To 3" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	455.53	
32 93 43 00-0408	EA	3" To 3-1/2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	617.71	
32 93 43 00-0409	EA	3-1/2" To 4" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	808.91	
32 93 43 00-0410	EA	5 Gallon Pyrus calleryana 'Chanticleer' - Chanticleer Flowering Pear	25.09	
32 93 43 00-0411	EA	15 Gallon Pyrus calleryana 'Chanticleer' - Chanticleer Flowering Pear	65.24	
32 93 43 00-0412	EA	24" Box Pyrus calleryana 'Chanticleer' - Chanticleer Flowering Pear	225.85	
32 93 43 00-0413	EA	36" Box Pyrus calleryana 'Chanticleer' - Chanticleer Flowering Pear	602.26	
32 93 43 00-0414	EA	1-1/2" Caliper Pyrus calleryana & cvs - Callery Pear	535.81	
32 93 43 00-0415	EA	2" Caliper Pyrus calleryana & cvs - Callery Pear	669.76	
32 93 43 00-0416	EA	2-1/2" Caliper Pyrus calleryana & cvs - Callery Pear	830.50	
32 93 43 00-0417	EA	3" Caliper Pyrus calleryana & cvs - Callery Pear	937.67	
32 93 43 00-0418	EA	3-1/2" Caliper Pyrus calleryana & cvs - Callery Pear	1,044.83	
32 93 43 00-0419	EA	4" Caliper Pyrus calleryana & cvs - Callery Pear	1,339.52	
32 93 43 00-0420	EA	5 Gallon Quercus kelloggii - California Black Oak	50.82	
32 93 43 00-0421	EA	15 Gallon Quercus kelloggii - California Black Oak	90.34	
32 93 43 00-0422	EA	1 Gallon Quercus lobata - Valley Oak	10.15	
32 93 43 00-0423	EA	5 Gallon Quercus lobata - Valley Oak	30.48	
32 93 43 00-0424	EA	15 Gallon Quercus lobata - Valley Oak	91.46	
32 93 43 00-0425	EA	1 Gallon Ribes aureum - Golden Current	5.70	
32 93 43 00-0426	EA	5 Gallon Ribes aureum - Golden Current	16.30	
32 93 43 00-0427	EA	1 Gallon Ribes sanguineum - Red Flowering Currant	5.70	
32 93 43 00-0428	EA	5 Gallon Ribes sanguineum - Red Flowering Currant	16.30	
32 93 43 00-0429	EA	1 Gallon Ribes viburnifolium - Evergreen Currant	5.70	
32 93 43 00-0430	EA	5 Gallon Ribes viburnifolium - Evergreen Currant	16.30	
32 93 43 00-0431	EA	1-3/4" Caliper Sophora japonica - Japanese Pagoda	407.20	
32 93 43 00-0432	EA	2" Caliper Sophora japonica - Japanese Pagoda	458.10	
32 93 43 00-0433	EA	2-1/2" Caliper Sophora japonica - Japanese Pagoda	534.45	
32 93 43 00-0434	EA	3" Caliper Sophora japonica - Japanese Pagoda	781.68	
32 93 43 00-0435	EA	3-1/2" Caliper Sophora japonica - Japanese Pagoda	1,181.60	
32 93 43 00-0436	EA	1-1/2" Caliper Sorbus alnifolia - Korean Mountainash	304.57	
32 93 43 00-0437	EA	2" Caliper Sorbus alnifolia - Korean Mountainash	380.72	
32 93 43 00-0438	EA	2-1/2" Caliper Sorbus alnifolia - Korean Mountainash	472.09	
32 93 43 00-0439	EA	3" Caliper Sorbus alnifolia - Korean Mountainash	578.69	
32 93 43 00-0440	EA	3-1/2" Caliper Sorbus alnifolia - Korean Mountainash	700.52	
32 93 43 00-0441	EA	4" Caliper Sorbus alnifolia - Korean Mountainash	837.58	
32 93 43 00-0442	EA	1-1/2" Caliper Syringa reticulata & cvs - Japanese Tree Lilac	395.95	
32 93 43 00-0443	EA	2" Caliper Syringa reticulata & cvs - Japanese Tree Lilac	426.40	
32 93 43 00-0444	EA	2-1/2" Caliper Syringa reticulata & cvs - Japanese Tree Lilac	517.78	
32 93 43 00-0445	EA	4' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	243.66	
32 93 43 00-0446	EA	5' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	289.35	
32 93 43 00-0447	EA	6' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	335.03	
32 93 43 00-0448	EA	7' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	380.72	
32 93 43 00-0449	EA	8' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	441.63	
32 93 43 00-0450	EA	10' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	563.46	
32 93 43 00-0451	EA	12' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	639.61	
32 93 43 00-0452	EA	14' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	730.98	
32 93 43 00-0453	EA	6' Prunus cerasifera - Purple Leaf Plum	241.78	
32 93 43 00-0454	EA	8' Prunus cerasifera - Purple Leaf Plum	278.97	
32 93 43 00-0455	EA	10' Prunus cerasifera - Purple Leaf Plum	359.57	
32 93 43 00-0456	EA	24" Box Prunus cerasifera - Purple Leaf Plum	382.81	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0457	EA	30" Box Prunus cerasifera - Purple Leaf Plum	774.92	
32 93 43 00-0458	EA	36" Box Prunus cerasifera - Purple Leaf Plum	1,188.74	
32 93 43 00-0459	EA	6' Pittosporum phillyraeoides - Willow Pittorporum	505.25	
32 93 43 00-0460	EA	8' Pittosporum phillyraeoides - Willow Pittorporum	722.23	
32 93 43 00-0461	EA	10' Pittosporum phillyraeoides - Willow Pittorporum	864.82	
32 93 43 00-0462	EA	12' Pittosporum phillyraeoides - Willow Pittorporum	1,115.89	
32 93 43 00-0463	EA	24" Box Sapium sebiferum - Chinese Tallow Tree	770.57	
32 93 43 00-0464	EA	15 Gallon Sapium sebiferum - Chinese Tallow Tree	210.16	
32 93 43 00-0465	EA	6' Stenocarpus sinuatus - Firewheel Tree	743.93	
32 93 43 00-0466	EA	8' Stenocarpus sinuatus - Firewheel Tree	991.90	
32 93 43 00-0467	EA	10" Stenocarpus sinuatus - Firewheel Tree	1,239.88	
32 93 43 00-0468	EA	12' Stenocarpus sinuatus - Firewheel Tree	1,487.86	
32 93 43 00-0469	EA	24" Box Handroanthus impetiginosus (Tabebuia avellanedae) - Pink Trumpet Tree	378.99	
32 93 43 00-0470	EA	36" Box Handroanthus impetiginosus (Tabebuia avellanedae) - Pink Trumpet Tree	1,097.08	
32 93 43 00-0471	EA	2-1/2" Cliber Koelreuteria paniculata - Golden Rain Tree	672.63	
32 93 43 00-0472	EA	1-1/2" Caliper Tipuana tipu - Tipu Tree	480.45	
32 93 43 00-0473	EA	2" Caliper Tipuana tipu - Tipu Tree	626.14	
32 93 43 00-0474	EA	2-1/2" Caliper Tipuana tipu - Tipu Tree	793.52	
32 93 43 00-0475	EA	3" Caliper Tipuana tipu - Tipu Tree	914.41	
32 93 43 00-0476	EA	3-1/2" Caliper Tipuana tipu - Tipu Tree	1,345.27	
32 93 43 00-0477	EA	4" Caliper Tipuana tipu - Tipu Tree	1,797.83	
32 93 43 00-0478	EA	1 Gallon Tipuana tipu - Tipu Tree	7.34	
32 93 43 00-0479	EA	5 Gallon Tipuana tipu - Tipu Tree	20.33	
32 93 43 00-0480	EA	15 Gallon Tipuana tipu - Tipu Tree	66.62	
32 93 43 00-0481	EA	24" Box Tipuana tipu - Tipu Tree	362.66	

32 93 43 00-0482 Deciduous Shade Trees *(32 93 43)*

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0483	EA	3-1/2" To 4" Caliper Acer palmatum - Bloodgood Japanese Maple	233.37	
32 93 43 00-0484	EA	4" To 4-1/2" Caliper Acer palmatum - Bloodgood Japanese Maple	286.07	
32 93 43 00-0485	EA	4-1/2" To 5" Caliper Acer palmatum - Bloodgood Japanese Maple	372.65	
32 93 43 00-0486	EA	5" To 6" Caliper Acer palmatum - Bloodgood Japanese Maple	483.06	
32 93 43 00-0487	EA	2' To 2-1/2' Acer palmatum - Japanese Maple	24.62	
32 93 43 00-0488	EA	4' To 5' Acer palmatum - Japanese Maple	51.69	
32 93 43 00-0489	EA	5' To 6' Acer palmatum - Japanese Maple	67.69	
32 93 43 00-0490	EA	6' To 7' Acer palmatum - Japanese Maple	123.07	
32 93 43 00-0491	EA	7' To 8' Acer palmatum - Japanese Maple	172.30	
32 93 43 00-0492	EA	8' To 10' Acer palmatum - Japanese Maple	221.53	
32 93 43 00-0493	EA	10' To 12' Acer palmatum - Japanese Maple	295.38	
32 93 43 00-0494	EA	2" Caliper Acer platanoides & cvs - Norway Maple	125.47	
32 93 43 00-0495	EA	2" Caliper Acer platanoides & cvs - Norway Maple	152.75	
32 93 43 00-0496	EA	3" Caliper Acer platanoides & cvs - Norway Maple	196.39	
32 93 43 00-0497	EA	3-1/2" Caliper Acer platanoides & cvs - Norway Maple	229.12	
32 93 43 00-0498	EA	4" Caliper Acer platanoides & cvs - Norway Maple	245.48	
32 93 43 00-0499	EA	4-1/2" Caliper Acer platanoides & cvs - Norway Maple	267.31	
32 93 43 00-0500	EA	5" Caliper Acer platanoides & cvs - Norway Maple	300.04	
32 93 43 00-0501	EA	2" Caliper Acer rubrum & cvs - Red Maple	120.01	
32 93 43 00-0502	EA	2-1/2" Caliper Acer rubrum & cvs - Red Maple	152.75	
32 93 43 00-0503	EA	3" Caliper Acer rubrum & cvs - Red Maple	196.39	
32 93 43 00-0504	EA	3-1/2" Caliper Acer rubrum & cvs - Red Maple	240.03	
32 93 43 00-0505	EA	4" Caliper Acer rubrum & cvs - Red Maple	272.76	
32 93 43 00-0506	EA	4-1/2" Caliper Acer rubrum & cvs - Red Maple	316.40	
32 93 43 00-0507	EA	5" Caliper Acer rubrum & cvs - Red Maple	354.59	
32 93 43 00-0508	EA	8' Clump Form Acer rubrum & cvs - Red Maple	147.29	
32 93 43 00-0509	EA	10' Clump Form Acer rubrum & cvs - Red Maple	196.39	
32 93 43 00-0510	EA	12' Clump Form Acer rubrum & cvs - Red Maple	229.12	
32 93 43 00-0511	EA	14' Clump Form Acer rubrum & cvs - Red Maple	261.85	
32 93 43 00-0512	EA	16' Clump Form Acer rubrum & cvs - Red Maple	294.58	
32 93 43 00-0513	EA	18' Clump Form Acer rubrum & cvs - Red Maple	327.31	
32 93 43 00-0514	EA	2" Caliper Acer saccharinum & cvs - Silver Maple	98.19	
32 93 43 00-0515	EA	2-1/2" Caliper Acer saccharinum & cvs - Silver Maple	130.93	
32 93 43 00-0516	EA	3" Caliper Acer saccharinum & cvs - Silver Maple	163.66	
32 93 43 00-0517	EA	3-1/2" Caliper Acer saccharinum & cvs - Silver Maple	196.39	
32 93 43 00-0518	EA	4" Caliper Acer saccharinum & cvs - Silver Maple	229.12	
32 93 43 00-0519	EA	4-1/2" Caliper Acer saccharinum & cvs - Silver Maple	261.85	
32 93 43 00-0520	EA	5" Caliper Acer saccharinum & cvs - Silver Maple	294.58	
32 93 43 00-0521	EA	2" Caliper Acer saccharum & cvs - Sugar Maple	120.01	
32 93 43 00-0522	EA	2-1/2" Caliper Acer saccharum & cvs - Sugar Maple	158.20	
32 93 43 00-0523	EA	3" Caliper Acer saccharum & cvs - Sugar Maple	190.93	
32 93 43 00-0524	EA	3-1/2" Caliper Acer saccharum & cvs - Sugar Maple	218.21	
32 93 43 00-0525	EA	4" Caliper Acer saccharum & cvs - Sugar Maple	256.40	
32 93 43 00-0526	EA	4-1/2" Caliper Acer saccharum & cvs - Sugar Maple	294.58	
32 93 43 00-0527	EA	5" Caliper Acer saccharum & cvs - Sugar Maple	327.31	
32 93 43 00-0528	EA	10' Clump Form Acer saccharum & cvs - Sugar Maple	218.21	
32 93 43 00-0529	EA	12' Clump Form Acer saccharum & cvs - Sugar Maple	256.40	
32 93 43 00-0530	EA	14' Clump Form Acer saccharum & cvs - Sugar Maple	300.04	
32 93 43 00-0531	EA	16' Clump Form Acer saccharum & cvs - Sugar Maple	332.77	
32 93 43 00-0532	EA	18' Clump Form Acer saccharum & cvs - Sugar Maple	403.69	
32 93 43 00-0533	EA	20' Clump Form Acer saccharum & cvs - Sugar Maple	436.42	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0534	EA	2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	136.38	
32 93 43 00-0535	EA	2-1/2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	169.11	
32 93 43 00-0536	EA	3" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	207.30	
32 93 43 00-0537	EA	3-1/2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	240.03	
32 93 43 00-0538	EA	4" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	261.85	
32 93 43 00-0539	EA	4-1/2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	289.13	
32 93 43 00-0540	EA	5" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	321.86	
32 93 43 00-0541	EA	10' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	196.39	
32 93 43 00-0542	EA	12' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	259.67	
32 93 43 00-0543	EA	14' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	302.22	
32 93 43 00-0544	EA	16' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	332.77	
32 93 43 00-0545	EA	18' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	403.69	
32 93 43 00-0546	EA	20' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	436.42	
32 93 43 00-0547	EA	2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	190.93	
32 93 43 00-0548	EA	2-1/2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	212.75	
32 93 43 00-0549	EA	3" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	240.03	
32 93 43 00-0550	EA	3-1/2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	272.76	
32 93 43 00-0551	EA	4" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	327.31	
32 93 43 00-0552	EA	2" Caliper Aesculus x carnea - Red Horsechestnut	190.93	
32 93 43 00-0553	EA	2-1/2" Caliper Aesculus x carnea - Red Horsechestnut	212.75	
32 93 43 00-0554	EA	3" Caliper Aesculus x carnea - Red Horsechestnut	240.03	
32 93 43 00-0555	EA	3-1/2" Caliper Aesculus x carnea - Red Horsechestnut	272.76	
32 93 43 00-0556	EA	4" Caliper Aesculus x carnea - Red Horsechestnut	327.31	
32 93 43 00-0557	EA	2" Caliper Alnus glutinosa - Common Alder, Black Alder	136.38	
32 93 43 00-0558	EA	2-1/2" Caliper Alnus glutinosa - Common Alder, Black Alder	158.20	
32 93 43 00-0559	EA	3" Caliper Alnus glutinosa - Common Alder, Black Alder	180.02	
32 93 43 00-0560	EA	3-1/2" Caliper Alnus glutinosa - Common Alder, Black Alder	207.30	
32 93 43 00-0561	EA	8' Clump Form Alnus glutinosa - Common Alder, Black Alder	141.84	
32 93 43 00-0562	EA	10' Clump Form Alnus glutinosa - Common Alder, Black Alder	174.57	
32 93 43 00-0563	EA	12' Clump Form Alnus glutinosa - Common Alder, Black Alder	196.39	
32 93 43 00-0564	EA	14' Clump Form Alnus glutinosa - Common Alder, Black Alder	218.21	
32 93 43 00-0565	EA	16' Clump Form Alnus glutinosa - Common Alder, Black Alder	245.48	
32 93 43 00-0566	EA	18' Clump Form Alnus glutinosa - Common Alder, Black Alder	272.76	
32 93 43 00-0567	EA	2" Caliper Betula nigra - River Birch	136.38	
32 93 43 00-0568	EA	2-1/2" Caliper Betula nigra - River Birch	154.44	
32 93 43 00-0569	EA	3" Caliper Betula nigra - River Birch	174.57	
32 93 43 00-0570	EA	3-1/2" Caliper Betula nigra - River Birch	218.21	
32 93 43 00-0571	EA	4" Caliper Betula nigra - River Birch	245.48	
32 93 43 00-0572	EA	4-1/2" Caliper Betula nigra - River Birch	272.76	
32 93 43 00-0573	EA	5" Caliper Betula nigra - River Birch	300.04	
32 93 43 00-0574	EA	8' Clump Form Betula nigra - River Birch	125.47	
32 93 43 00-0575	EA	10' Clump Form Betula nigra - River Birch	141.84	
32 93 43 00-0576	EA	12' Clump Form Betula nigra - River Birch	163.66	
32 93 43 00-0577	EA	14' Clump Form Betula nigra - River Birch	190.93	
32 93 43 00-0578	EA	16' Clump Form Betula nigra - River Birch	218.21	
32 93 43 00-0579	EA	12' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	163.66	
32 93 43 00-0580	EA	14' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	196.39	
32 93 43 00-0581	EA	16' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	229.12	
32 93 43 00-0582	EA	18' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	272.76	
32 93 43 00-0583	EA	20' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	283.67	
32 93 43 00-0584	EA	2" Caliper Carpinus betulus & cvs - European Hornbeam	218.21	
32 93 43 00-0585	EA	2-1/2" Caliper Carpinus betulus & cvs - European Hornbeam	245.48	
32 93 43 00-0586	EA	3" Caliper Carpinus betulus & cvs - European Hornbeam	283.67	
32 93 43 00-0587	EA	3-1/2" Caliper Carpinus betulus & cvs - European Hornbeam	343.68	
32 93 43 00-0588	EA	6' Clump Form Carpinus betulus & cvs - European Hornbeam	98.19	
32 93 43 00-0589	EA	7' Clump Form Carpinus betulus & cvs - European Hornbeam	136.38	
32 93 43 00-0590	EA	8' Clump Form Carpinus betulus & cvs - European Hornbeam	169.11	
32 93 43 00-0591	EA	2" Caliper Catalpa speciosa - Western Catalpa	120.01	
32 93 43 00-0592	EA	2-1/2" Caliper Catalpa speciosa - Western Catalpa	163.66	
32 93 43 00-0593	EA	3" Caliper Catalpa speciosa - Western Catalpa	212.75	
32 93 43 00-0594	EA	3-1/2" Caliper Catalpa speciosa - Western Catalpa	256.40	
32 93 43 00-0595	EA	4" Caliper Catalpa speciosa - Western Catalpa	294.58	
32 93 43 00-0596	EA	2" Caliper Celtis occidentalis & cvs - Common Hackberry	152.75	
32 93 43 00-0597	EA	2-1/2" Caliper Celtis occidentalis & cvs - Common Hackberry	174.57	
32 93 43 00-0598	EA	3" Caliper Celtis occidentalis & cvs - Common Hackberry	212.75	
32 93 43 00-0599	EA	3-1/2" Caliper Celtis occidentalis & cvs - Common Hackberry	250.94	
32 93 43 00-0600	EA	4" Caliper Celtis occidentalis & cvs - Common Hackberry	289.13	
32 93 43 00-0601	EA	4-1/2" Caliper Celtis occidentalis & cvs - Common Hackberry	327.31	
32 93 43 00-0602	EA	3" Caliper Cercidiphyllum japonicum - Katsuratree	190.93	
32 93 43 00-0603	EA	3-1/2" Caliper Cercidiphyllum japonicum - Katsuratree	218.21	
32 93 43 00-0604	EA	4" Caliper Cercidiphyllum japonicum - Katsuratree	256.40	
32 93 43 00-0605	EA	5" Caliper Cercidiphyllum japonicum - Katsuratree	305.49	
32 93 43 00-0606	EA	6' Clump Form Cercidiphyllum japonicum - Katsuratree	152.75	
32 93 43 00-0607	EA	7' Clump Form Cercidiphyllum japonicum - Katsuratree	180.02	
32 93 43 00-0608	EA	8' Clump Form Cercidiphyllum japonicum - Katsuratree	218.21	
32 93 43 00-0609	EA	10' Clump Form Cercidiphyllum japonicum - Katsuratree	272.76	
32 93 43 00-0610	EA	12' Clump Form Cercidiphyllum japonicum - Katsuratree	327.31	
32 93 43 00-0611	EA	2" Caliper Cladrastus lutea - American Yellowwood	272.76	
32 93 43 00-0612	EA	2-1/2" Caliper Cladrastus lutea - American Yellowwood	327.31	
32 93 43 00-0613	EA	3" Caliper Cladrastus lutea - American Yellowwood	381.87	
32 93 43 00-0614	EA	3-1/2" Caliper Cladrastus lutea - American Yellowwood	436.42	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0615	EA	2" Caliper Corylus colurna - Turkish Filbert	169.11	
32 93 43 00-0616	EA	2-1/2" Caliper Corylus colurna - Turkish Filbert	190.93	
32 93 43 00-0617	EA	3" Caliper Corylus colurna - Turkish Filbert	218.21	
32 93 43 00-0618	EA	3-1/2" Caliper Corylus colurna - Turkish Filbert	250.94	
32 93 43 00-0619	EA	4" Caliper Corylus colurna - Turkish Filbert	300.04	
32 93 43 00-0620	EA	4-1/2" Caliper Corylus colurna - Turkish Filbert	349.13	
32 93 43 00-0621	EA	5" Caliper Corylus colurna - Turkish Filbert	398.23	
32 93 43 00-0622	EA	8' Clump Form Corylus colurna - Turkish Filbert	152.75	
32 93 43 00-0623	EA	10' Clump Form Corylus colurna - Turkish Filbert	185.48	
32 93 43 00-0624	EA	12' Clump Form Corylus colurna - Turkish Filbert	218.21	
32 93 43 00-0625	EA	14' Clump Form Corylus colurna - Turkish Filbert	245.48	
32 93 43 00-0626	EA	16' Clump Form Corylus colurna - Turkish Filbert	272.76	
32 93 43 00-0627	EA	1-1/2" Caliper Diospyros - Persimmon	98.19	
32 93 43 00-0628	EA	2" Caliper Diospyros - Persimmon	120.01	
32 93 43 00-0629	EA	2-1/2" Caliper Diospyros - Persimmon	152.75	
32 93 43 00-0630	EA	3" Caliper Diospyros - Persimmon	190.93	
32 93 43 00-0631	EA	3-1/2" Caliper Diospyros - Persimmon	229.12	
32 93 43 00-0632	EA	1-1/2" Caliper Fagus grandifolia - American Beech	218.21	
32 93 43 00-0633	EA	2" Caliper Fagus grandifolia - American Beech	283.67	
32 93 43 00-0634	EA	2-1/2" Caliper Fagus grandifolia - American Beech	360.04	
32 93 43 00-0635	EA	3" Caliper Fagus grandifolia - American Beech	436.42	
32 93 43 00-0636	EA	3-1/2" Caliper Fagus grandifolia - American Beech	518.25	
32 93 43 00-0637	EA	2" Caliper Fagus sylvatica & cvs - European Beech	245.48	
32 93 43 00-0638	EA	2-1/2" Caliper Fagus sylvatica & cvs - European Beech	294.58	
32 93 43 00-0639	EA	3" Caliper Fagus sylvatica & cvs - European Beech	354.59	
32 93 43 00-0640	EA	3-1/2" Caliper Fagus sylvatica & cvs - European Beech	392.78	
32 93 43 00-0641	EA	4" Caliper Fagus sylvatica & cvs - European Beech	463.69	
32 93 43 00-0642	EA	4-1/2" Caliper Fagus sylvatica & cvs - European Beech	600.07	
32 93 43 00-0643	EA	5" Caliper Fagus sylvatica & cvs - European Beech	709.18	
32 93 43 00-0644	EA	2" Caliper Fraxinus americana & cvs - White Ash	136.38	
32 93 43 00-0645	EA	2-1/2" Caliper Fraxinus americana & cvs - White Ash	163.66	
32 93 43 00-0646	EA	3" Caliper Fraxinus americana & cvs - White Ash	207.30	
32 93 43 00-0647	EA	3-1/2" Caliper Fraxinus americana & cvs - White Ash	250.94	
32 93 43 00-0648	EA	4" Caliper Fraxinus americana & cvs - White Ash	294.58	
32 93 43 00-0649	EA	4-1/2" Caliper Fraxinus americana & cvs - White Ash	327.31	
32 93 43 00-0650	EA	5" Caliper Fraxinus americana & cvs - White Ash	381.87	
32 93 43 00-0651	EA	2" Caliper Fraxinus pennsylvanica & cvs - Green Ash	120.01	
32 93 43 00-0652	EA	2-1/2" Caliper Fraxinus pennsylvanica & cvs - Green Ash	141.84	
32 93 43 00-0653	EA	3" Caliper Fraxinus pennsylvanica & cvs - Green Ash	190.93	
32 93 43 00-0654	EA	3-1/2" Caliper Fraxinus pennsylvanica & cvs - Green Ash	229.12	
32 93 43 00-0655	EA	4" Caliper Fraxinus pennsylvanica & cvs - Green Ash	272.76	
32 93 43 00-0656	EA	4-1/2" Caliper Fraxinus pennsylvanica & cvs - Green Ash	294.58	
32 93 43 00-0657	EA	5" Caliper Fraxinus pennsylvanica & cvs - Green Ash	327.31	
32 93 43 00-0658	EA	1-1/2" Caliper Fraxinus quadrangulata - Blue Ash	163.66	
32 93 43 00-0659	EA	2" Caliper Fraxinus quadrangulata - Blue Ash	201.84	
32 93 43 00-0660	EA	2-1/2" Caliper Fraxinus quadrangulata - Blue Ash	245.48	
32 93 43 00-0661	EA	3" Caliper Fraxinus quadrangulata - Blue Ash	300.04	
32 93 43 00-0662	EA	3-1/2" Caliper Fraxinus quadrangulata - Blue Ash	354.59	
32 93 43 00-0663	EA	1-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	190.93	
32 93 43 00-0664	EA	2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	212.75	
32 93 43 00-0665	EA	2-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	240.03	
32 93 43 00-0666	EA	3" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	267.31	
32 93 43 00-0667	EA	3-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	300.04	
32 93 43 00-0668	EA	4" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	327.31	
32 93 43 00-0669	EA	4-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	490.97	
32 93 43 00-0670	EA	5" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	545.52	
32 93 43 00-0671	EA	2" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	130.93	
32 93 43 00-0672	EA	2-1/2" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	163.66	
32 93 43 00-0673	EA	3" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	196.39	
32 93 43 00-0674	EA	3-1/2" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	229.12	
32 93 43 00-0675	EA	4" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	261.85	
32 93 43 00-0676	EA	4-1/2" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	294.58	
32 93 43 00-0677	EA	5" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	349.13	
32 93 43 00-0678	EA	10' - 12' Bursera Simaruba - Gumbo Limbo	69.01	
32 93 43 00-0679	EA	12' - 14' Bursera Simaruba - Gumbo Limbo	81.56	
32 93 43 00-0680	EA	14' - 16' Bursera Simaruba - Gumbo Limbo	112.92	
32 93 43 00-0681	EA	17' - 18' Bursera Simaruba - Gumbo Limbo	146.80	
32 93 43 00-0682	EA	19' - 20' Bursera Simaruba - Gumbo Limbo	163.11	
32 93 43 00-0683	EA	21' - 22' Bursera Simaruba - Gumbo Limbo	193.22	
32 93 43 00-0684	EA	2" Caliper Gymnocladus dioicus - Kentucky Coffeetree	169.11	
32 93 43 00-0685	EA	2-1/2" Caliper Gymnocladus dioicus - Kentucky Coffeetree	207.30	
32 93 43 00-0686	EA	3" Caliper Gymnocladus dioicus - Kentucky Coffeetree	245.48	
32 93 43 00-0687	EA	3-1/2" Caliper Gymnocladus dioicus - Kentucky Coffeetree	289.13	
32 93 43 00-0688	EA	4" Caliper Gymnocladus dioicus - Kentucky Coffeetree	327.31	
32 93 43 00-0689	EA	4-1/2" Caliper Gymnocladus dioicus - Kentucky Coffeetree	365.50	
32 93 43 00-0690	EA	5" Caliper Gymnocladus dioicus - Kentucky Coffeetree	409.14	
32 93 43 00-0691	EA	1-1/2" To 2" Caliper Zelkova serrata - Japanese Keaki Tree	84.43	
32 93 43 00-0692	EA	2" To 2-1/2" Caliper Zelkova serrata - Japanese Keaki Tree	103.42	
32 93 43 00-0693	EA	2-1/2' To 3" Caliper Zelkova serrata - Japanese Keaki Tree	131.03	
32 93 43 00-0694	EA	1-1/2" Caliper Juglans cinerea - Butternut	130.93	
32 93 43 00-0695	EA	2" Caliper Juglans cinerea - Butternut	152.75	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0696	EA	2-1/2" Caliper Juglans cinerea - Butternut	190.93	
32 93 43 00-0697	EA	3" Caliper Juglans cinerea - Butternut	240.03	
32 93 43 00-0698	EA	3-1/2" Caliper Juglans cinerea - Butternut	294.58	
32 93 43 00-0699	EA	1-1/2" Caliper Juglans californica - California Walnut	130.93	
32 93 43 00-0700	EA	2" Caliper Juglans californica - California Walnut	152.75	
32 93 43 00-0701	EA	2-1/2" Caliper Juglans californica - California Walnut	190.93	
32 93 43 00-0702	EA	3" Caliper Juglans californica - California Walnut	240.03	
32 93 43 00-0703	EA	3-1/2" Caliper Juglans californica - California Walnut	294.58	
32 93 43 00-0704	EA	4" Caliper Juglans californica - California Walnut	354.59	
32 93 43 00-0705	EA	4-1/2" Caliper Juglans californica - California Walnut	409.14	
32 93 43 00-0706	EA	5" Caliper Juglans californica - California Walnut	463.69	
32 93 43 00-0707	EA	5 Gallon Koelreuteria Paniculata - Goldenrain Tree	14.77	
32 93 43 00-0708	EA	15 Gallon Koelreuteria Paniculata - Goldenrain Tree	36.92	
32 93 43 00-0709	EA	20 Gallon Koelreuteria Paniculata - Goldenrain Tree	73.84	
32 93 43 00-0710	EA	55 Gallon Koelreuteria Paniculata - Goldenrain Tree	96.00	
32 93 43 00-0711	EA	1-1/2" To 2" Caliper Koelreuteria Paniculata - Goldenrain Tree	70.15	
32 93 43 00-0712	EA	2" To 2-1/2" Caliper Koelreuteria Paniculata - Goldenrain Tree	84.92	
32 93 43 00-0713	EA	2-1/2" To 3" Caliper Koelreuteria Paniculata - Goldenrain Tree	118.15	
32 93 43 00-0714	EA	1-1/2" Caliper Liquidambar styraciflua - American Sweetgum	174.57	
32 93 43 00-0715	EA	2" Caliper Liquidambar styraciflua - American Sweetgum	218.21	
32 93 43 00-0716	EA	2-1/2" Caliper Liquidambar styraciflua - American Sweetgum	272.76	
32 93 43 00-0717	EA	3" Caliper Liquidambar styraciflua - American Sweetgum	327.31	
32 93 43 00-0718	EA	3-1/2" Caliper Liquidambar styraciflua - American Sweetgum	381.87	
32 93 43 00-0719	EA	1-1/2" Caliper Liriodendron tulipifera - Tulip Tree	174.57	
32 93 43 00-0720	EA	2" Caliper Liriodendron tulipifera - Tulip Tree	240.03	
32 93 43 00-0721	EA	2-1/2" Caliper Liriodendron tulipifera - Tulip Tree	283.67	
32 93 43 00-0722	EA	3" Caliper Liriodendron tulipifera - Tulip Tree	327.31	
32 93 43 00-0723	EA	3-1/2" Caliper Liriodendron tulipifera - Tulip Tree	370.95	
32 93 43 00-0724	EA	8' Clump Form Liriodendron tulipifera - Tulip Tree	130.93	
32 93 43 00-0725	EA	10' Clump Form Liriodendron tulipifera - Tulip Tree	234.57	
32 93 43 00-0726	EA	12' Clump Form Liriodendron tulipifera - Tulip Tree	283.67	
32 93 43 00-0727	EA	1-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	174.57	
32 93 43 00-0728	EA	2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	218.21	
32 93 43 00-0729	EA	2-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	272.76	
32 93 43 00-0730	EA	3" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	327.31	
32 93 43 00-0731	EA	3-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	381.87	
32 93 43 00-0732	EA	4' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	76.37	
32 93 43 00-0733	EA	5' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	87.28	
32 93 43 00-0734	EA	6' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	103.65	
32 93 43 00-0735	EA	7' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	130.93	
32 93 43 00-0736	EA	8' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	163.66	
32 93 43 00-0737	EA	2" Caliper Ostrya virginiana - American Hophornbeam	141.84	
32 93 43 00-0738	EA	2-1/2" Caliper Ostrya virginiana - American Hophornbeam	180.02	
32 93 43 00-0739	EA	3" Caliper Ostrya virginiana - American Hophornbeam	218.21	
32 93 43 00-0740	EA	3-1/2" Caliper Ostrya virginiana - American Hophornbeam	256.40	
32 93 43 00-0741	EA	4" Caliper Ostrya virginiana - American Hophornbeam	310.95	
32 93 43 00-0742	EA	2" Caliper Phellodendron amurense - Amur Corktree	109.10	
32 93 43 00-0743	EA	2-1/2" Caliper Phellodendron amurense - Amur Corktree	136.38	
32 93 43 00-0744	EA	3" Caliper Phellodendron amurense - Amur Corktree	163.66	
32 93 43 00-0745	EA	3-1/2" Caliper Phellodendron amurense - Amur Corktree	190.93	
32 93 43 00-0746	EA	4" Caliper Phellodendron amurense - Amur Corktree	218.21	
32 93 43 00-0747	EA	4-1/2" Caliper Phellodendron amurense - Amur Corktree	245.48	
32 93 43 00-0748	EA	5" Caliper Phellodendron amurense - Amur Corktree	272.76	
32 93 43 00-0749	EA	1-1/2" To 2" Caliper Platanus acerifolia "Bloodgold" - London Plane	325.74	
32 93 43 00-0750	EA	2" To 2-1/2" Caliper Platanus acerifolia "Bloodgold" - London Plane	581.43	
32 93 43 00-0751	EA	2-1/2" To 3" Caliper Platanus acerifolia "Bloodgold" - London Plane	851.13	
32 93 43 00-0752	EA	3" To 3-1/2" Caliper Platanus acerifolia "Bloodgold" - London Plane	1,057.79	
32 93 43 00-0753	EA	3-1/2" To 4" Caliper Platanus acerifolia "Bloodgold" - London Plane	1,369.52	
32 93 43 00-0754	EA	4" To 5" Caliper Platanus acerifolia "Bloodgold" - London Plane	1,558.66	
32 93 43 00-0755	EA	24" Box Platanus acerifolia "Bloodgold" - London Plane	409.80	
32 93 43 00-0756	EA	30" Box Platanus Occidentalis - Buttonwood Sycamore	237.00	
32 93 43 00-0757	EA	36" Box Platanus Occidentalis - Buttonwood Sycamore	344.73	
32 93 43 00-0758	EA	42" Box Platanus occidentalis - Buttonwood Sycamore	512.81	
32 93 43 00-0759	EA	1-1/2" To 2" Caliper Platanus occidentalis - Buttonwood Sycamore	79.30	
32 93 43 00-0760	EA	2" To 2-1/2" Caliper Platanus occidentalis - Buttonwood Sycamore	94.81	
32 93 43 00-0761	EA	2-1/2" To 3" Caliper Platanus occidentalis - Buttonwood Sycamore	129.27	
32 93 43 00-0762	EA	3" To 3-1/2" Caliper Platanus occidentalis - Buttonwood Sycamore	156.88	
32 93 43 00-0763	EA	8' To 10' Platanus occidentalis - Green Or Silver Buttonwood	65.24	
32 93 43 00-0764	EA	10' To 12' Platanus occidentalis - Green Or Silver Buttonwood	81.56	
32 93 43 00-0765	EA	12' To 14' Platanus occidentalis - Green Or Silver Buttonwood	144.29	
32 93 43 00-0766	EA	16' To 18' Platanus occidentalis - Green Or Silver Buttonwood	207.03	
32 93 43 00-0767	EA	2" Caliper Platanus x acerifolia & cvs - London Planetree	130.93	
32 93 43 00-0768	EA	2-1/2" Caliper Platanus x acerifolia & cvs - London Planetree	158.20	
32 93 43 00-0769	EA	3" Caliper Platanus x acerifolia & cvs - London Planetree	190.93	
32 93 43 00-0770	EA	3-1/2" Caliper Platanus x acerifolia & cvs - London Planetree	229.12	
32 93 43 00-0771	EA	4" Caliper Platanus x acerifolia & cvs - London Planetree	272.76	
32 93 43 00-0772	EA	2" Caliper Populus alba & cvs - White Poplar	130.93	
32 93 43 00-0773	EA	2-1/2" Caliper Populus alba & cvs - White Poplar	152.75	
32 93 43 00-0774	EA	3" Caliper Populus alba & cvs - White Poplar	174.57	
32 93 43 00-0775	EA	3-1/2" Caliper Populus alba & cvs - White Poplar	207.30	
32 93 43 00-0776	EA	4" Caliper Populus alba & cvs - White Poplar	229.12	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0777	EA	4-1/2" Caliper Populus alba & cvs - White Poplar	261.85	
32 93 43 00-0778	EA	2" Caliper Populus deltoides & cvs - Eastern Cottonwood	120.01	
32 93 43 00-0779	EA	2-1/2" Caliper Populus deltoides & cvs - Eastern Cottonwood	158.20	
32 93 43 00-0780	EA	3" Caliper Populus deltoides & cvs - Eastern Cottonwood	190.93	
32 93 43 00-0781	EA	3-1/2" Caliper Populus deltoides & cvs - Eastern Cottonwood	229.12	
32 93 43 00-0782	EA	4" Caliper Populus deltoides & cvs - Eastern Cottonwood	272.76	
32 93 43 00-0783	EA	1 Gallon Quercus agrifolia - Coast Live Oak	11.18	
32 93 43 00-0784	EA	5 Gallon Quercus agrifolia - Coast Live Oak	27.67	
32 93 43 00-0785	EA	15 Gallon Quercus agrifolia - Coast Live Oak	89.21	
32 93 43 00-0786	EA	24" Box Quercus agrifolia - Coast Live Oak	271.02	
32 93 43 00-0787	EA	6' To 8' Quercus acutissima - Sawtooth Oak	41.02	
32 93 43 00-0788	EA	8' To 10' Quercus acutissima - Sawtooth Oak	61.54	
32 93 43 00-0789	EA	10' To 12' Quercus acutissima - Sawtooth Oak	71.79	
32 93 43 00-0790	EA	1-1/2" To 2" Caliper Quercus acutissima - Sawtooth Oak	82.05	
32 93 43 00-0791	EA	2" To 2-1/2" Caliper Quercus acutissima - Sawtooth Oak	92.31	
32 93 43 00-0792	EA	3" To 3-1/2" Caliper Quercus virginiana - Live Oak	324.92	
32 93 43 00-0793	EA	3-1/2" To 4" Caliper Quercus virginiana - Live Oak	437.89	
32 93 43 00-0794	EA	4" To 4-1/2" Caliper Quercus virginiana - Live Oak	592.22	
32 93 43 00-0795	EA	4-1/2" To 5" Caliper Quercus virginiana - Live Oak	790.46	
32 93 43 00-0796	EA	5" To 5-1/2" Caliper Quercus virginiana - Live Oak	953.57	
32 93 43 00-0797	EA	5-1/2" To 6" Caliper Quercus virginiana - Live Oak	1,053.95	
32 93 43 00-0798	EA	6" To 6-1/2" Caliper Quercus virginiana - Live Oak	1,417.81	
32 93 43 00-0799	EA	6-1/2" To 7" Caliper Quercus Virginiana - Live Oak	1,781.67	
32 93 43 00-0800	EA	7" To 7-1/2" Caliper Quercus virginiana - Live Oak	2,145.54	
32 93 43 00-0801	EA	7-1/2" To 8" Caliper Quercus virginiana - Live Oak	2,603.50	
32 93 43 00-0802	EA	8" To 8-1/2" Caliper Quercus virginiana - Live Oak	3,061.47	
32 93 43 00-0803	EA	2" Caliper Quercus alba - White Oak	163.66	
32 93 43 00-0804	EA	2-1/2" Caliper Quercus alba - White Oak	190.93	
32 93 43 00-0805	EA	3" Caliper Quercus alba - White Oak	240.03	
32 93 43 00-0806	EA	3-1/2" Caliper Quercus alba - White Oak	300.04	
32 93 43 00-0807	EA	4" Caliper Quercus alba - White Oak	354.59	
32 93 43 00-0808	EA	4-1/2" Caliper Quercus alba - White Oak	436.42	
32 93 43 00-0809	EA	5" Caliper Quercus alba - White Oak	518.25	
32 93 43 00-0810	EA	2" Caliper Quercus bicolor - Swamp White Oak	190.93	
32 93 43 00-0811	EA	2-1/2" Caliper Quercus bicolor - Swamp White Oak	218.21	
32 93 43 00-0812	EA	3" Caliper Quercus bicolor - Swamp White Oak	250.94	
32 93 43 00-0813	EA	3-1/2" Caliper Quercus bicolor - Swamp White Oak	278.22	
32 93 43 00-0814	EA	4" Caliper Quercus bicolor - Swamp White Oak	316.40	
32 93 43 00-0815	EA	4-1/2" Caliper Quercus bicolor - Swamp White Oak	349.13	
32 93 43 00-0816	EA	5" Caliper Quercus bicolor - Swamp White Oak	392.78	
32 93 43 00-0817	EA	10' Clump Form Quercus bicolor - Swamp White Oak	272.76	
32 93 43 00-0818	EA	12' Clump Form Quercus bicolor - Swamp White Oak	327.31	
32 93 43 00-0819	EA	14' Clump Form Quercus bicolor - Swamp White Oak	381.87	
32 93 43 00-0820	EA	16' Clump Form Quercus bicolor - Swamp White Oak	436.42	
32 93 43 00-0821	EA	2" Caliper Quercus coccinea - Scarlet Oak	141.84	
32 93 43 00-0822	EA	2-1/2" Caliper Quercus coccinea - Scarlet Oak	180.02	
32 93 43 00-0823	EA	3" Caliper Quercus coccinea - Scarlet Oak	223.66	
32 93 43 00-0824	EA	3-1/2" Caliper Quercus coccinea - Scarlet Oak	272.76	
32 93 43 00-0825	EA	4" Caliper Quercus coccinea - Scarlet Oak	327.31	
32 93 43 00-0826	EA	4-1/2" Caliper Quercus coccinea - Scarlet Oak	387.32	
32 93 43 00-0827	EA	5" Caliper Quercus coccinea - Scarlet Oak	452.78	
32 93 43 00-0828	EA	1-1/2" Caliper Quercus imbricaria - Shingle Oak	141.84	
32 93 43 00-0829	EA	2" Caliper Quercus imbricaria - Shingle Oak	190.93	
32 93 43 00-0830	EA	2-1/2" Caliper Quercus imbricaria - Shingle Oak	256.40	
32 93 43 00-0831	EA	3" Caliper Quercus imbricaria - Shingle Oak	381.87	
32 93 43 00-0832	EA	3-1/2" Caliper Quercus imbricaria - Shingle Oak	518.25	
32 93 43 00-0833	EA	1-1/2" Caliper Quercus macrocarpa - Bur Oak	141.84	
32 93 43 00-0834	EA	2" Caliper Quercus macrocarpa - Bur Oak	169.11	
32 93 43 00-0835	EA	2-1/2" Caliper Quercus macrocarpa - Bur Oak	201.84	
32 93 43 00-0836	EA	3" Caliper Quercus macrocarpa - Bur Oak	245.48	
32 93 43 00-0837	EA	3-1/2" Caliper Quercus macrocarpa - Bur Oak	300.04	
32 93 43 00-0838	EA	4" Caliper Quercus macrocarpa - Bur Oak	354.59	
32 93 43 00-0839	EA	9' Clump Form Quercus macrocarpa - Bur Oak	327.31	
32 93 43 00-0840	EA	10' Clump Form Quercus macrocarpa - Bur Oak	381.87	
32 93 43 00-0841	EA	12' Clump Form Quercus macrocarpa - Bur Oak	436.42	
32 93 43 00-0842	EA	2" Caliper Quercus palustris - Pin Oak	120.01	
32 93 43 00-0843	EA	2-1/2" Caliper Quercus palustris - Pin Oak	163.66	
32 93 43 00-0844	EA	3" Caliper Quercus palustris - Pin Oak	212.75	
32 93 43 00-0845	EA	3-1/2" Caliper Quercus palustris - Pin Oak	245.48	
32 93 43 00-0846	EA	4" Caliper Quercus palustris - Pin Oak	283.67	
32 93 43 00-0847	EA	4-1/2" Caliper Quercus palustris - Pin Oak	321.86	
32 93 43 00-0848	EA	5" Caliper Quercus palustris - Pin Oak	354.59	
32 93 43 00-0849	EA	2" Caliper Quercus robur & cvs - English Oak	141.84	
32 93 43 00-0850	EA	2-1/2" Caliper Quercus robur & cvs - English Oak	174.57	
32 93 43 00-0851	EA	3" Caliper Quercus robur & cvs - English Oak	207.30	
32 93 43 00-0852	EA	3-1/2" Caliper Quercus robur & cvs - English Oak	245.48	
32 93 43 00-0853	EA	4" Caliper Quercus robur & cvs - English Oak	283.67	
32 93 43 00-0854	EA	4-1/2" Caliper Quercus robur & cvs - English Oak	327.31	
32 93 43 00-0855	EA	5" Caliper Quercus robur & cvs - English Oak	370.95	
32 93 43 00-0856	EA	2" Caliper Quercus rubra - Red Oak	163.66	
32 93 43 00-0857	EA	2-1/2" Caliper Quercus rubra - Red Oak	190.93	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0858	EA	3" Caliper Quercus rubra - Red Oak	229.12	
32 93 43 00-0859	EA	3-1/2" Caliper Quercus rubra - Red Oak	272.76	
32 93 43 00-0860	EA	4" Caliper Quercus rubra - Red Oak	327.31	
32 93 43 00-0861	EA	4-1/2" Caliper Quercus rubra - Red Oak	381.87	
32 93 43 00-0862	EA	5" Caliper Quercus rubra - Red Oak	436.42	
32 93 43 00-0863	EA	16' Clump Form Quercus rubra - Red Oak	354.59	
32 93 43 00-0864	EA	18' Clump Form Quercus rubra - Red Oak	425.51	
32 93 43 00-0865	EA	20' Clump Form Quercus rubra - Red Oak	474.60	
32 93 43 00-0866	EA	2" Caliper Quercus shumardii - Shumard Oak	185.48	
32 93 43 00-0867	EA	2-1/2" Caliper Quercus shumardii - Shumard Oak	234.57	
32 93 43 00-0868	EA	3" Caliper Quercus shumardii - Shumard Oak	272.76	
32 93 43 00-0869	EA	3-1/2" Caliper Quercus shumardii - Shumard Oak	327.31	
32 93 43 00-0870	EA	4" Caliper Quercus shumardii - Shumard Oak	381.87	
32 93 43 00-0871	EA	4-1/2" Caliper Quercus shumardii - Shumard Oak	436.42	
32 93 43 00-0872	EA	5" Caliper Quercus shumardii - Shumard Oak	490.97	
32 93 43 00-0873	EA	2" Caliper Quercus schuettii - Swamp Bur Oak	163.66	
32 93 43 00-0874	EA	2-1/2" Caliper Quercus schuettii - Swamp Bur Oak	196.39	
32 93 43 00-0875	EA	3" Caliper Quercus schuettii - Swamp Bur Oak	245.48	
32 93 43 00-0876	EA	3-1/2" Caliper Quercus schuettii - Swamp Bur Oak	300.04	
32 93 43 00-0877	EA	4" Caliper Quercus schuettii - Swamp Bur Oak	349.13	
32 93 43 00-0878	EA	4-1/2" Caliper Quercus schuettii - Swamp Bur Oak	392.78	
32 93 43 00-0879	EA	1-1/2" Caliper Quercus suber - Cork Oak	490.36	
32 93 43 00-0880	EA	2" Caliper Quercus suber - Cork Oak	679.50	
32 93 43 00-0881	EA	2-1/2" Caliper Quercus suber - Cork Oak	868.64	
32 93 43 00-0882	EA	3" Caliper Quercus suber - Cork Oak	1,085.81	
32 93 43 00-0883	EA	3-1/2" Caliper Quercus suber - Cork Oak	1,628.71	
32 93 43 00-0884	EA	4" Caliper Quercus suber - Cork Oak	2,101.56	
32 93 43 00-0885	EA	4-1/2" Caliper Quercus suber - Cork Oak	2,732.03	
32 93 43 00-0886	EA	1-1/2" Caliper Quercus ilex - Holly Oak	542.90	
32 93 43 00-0887	EA	2" Caliper Quercus ilex - Holly Oak	732.04	
32 93 43 00-0888	EA	2-1/2" Caliper Quercus ilex - Holly Oak	896.67	
32 93 43 00-0889	EA	3" Caliper Quercus ilex - Holly Oak	1,085.81	
32 93 43 00-0890	EA	3-1/2" Caliper Quercus ilex - Holly Oak	1,628.71	
32 93 43 00-0891	EA	4" Caliper Quercus ilex - Holly Oak	2,101.56	
32 93 43 00-0892	EA	24" Box Salix babylonica - Weeping Willow	137.89	
32 93 43 00-0893	EA	36" Box Salix babylonica - Weeping Willow	344.73	
32 93 43 00-0894	EA	1-1/2" To 2" Caliper Salix babylonica - Weeping Willow	79.30	
32 93 43 00-0895	EA	2" To 2-1/2" Caliper Salix babylonica - Weeping Willow	94.81	
32 93 43 00-0896	EA	2-1/2" To 3" Caliper Salix babylonica - Weeping Willow	103.42	
32 93 43 00-0897	EA	2" Caliper Salix alba & cvs - White Willow	87.28	
32 93 43 00-0898	EA	2-1/2" Caliper Salix alba & cvs - White Willow	103.65	
32 93 43 00-0899	EA	3" Caliper Salix alba & cvs - White Willow	136.38	
32 93 43 00-0900	EA	3-1/2" Caliper Salix alba & cvs - White Willow	163.66	
32 93 43 00-0901	EA	4" Caliper Salix alba & cvs - White Willow	196.39	
32 93 43 00-0902	EA	4-1/2" Caliper Salix alba & cvs - White Willow	229.12	
32 93 43 00-0903	EA	5" Caliper Salix alba & cvs - White Willow	261.85	
32 93 43 00-0904	EA	5' Clump Form Sassafras albidum - Common Sassafras	103.65	
32 93 43 00-0905	EA	6' Clump Form Sassafras albidum - Common Sassafras	125.47	
32 93 43 00-0906	EA	7' Clump Form Sassafras albidum - Common Sassafras	158.20	
32 93 43 00-0907	EA	8' Clump Form Sassafras albidum - Common Sassafras	180.02	
32 93 43 00-0908	EA	10' Clump Form Sassafras albidum - Common Sassafras	201.84	
32 93 43 00-0909	EA	12' Clump Form Sassafras albidum - Common Sassafras	245.48	
32 93 43 00-0910	EA	14' Clump Form Sassafras albidum - Common Sassafras	300.04	
32 93 43 00-0911	EA	16' Clump Form Sassafras albidum - Common Sassafras	354.59	
32 93 43 00-0912	EA	1-3/4" Caliper Sophora japonica - Chinese Scholar	180.68	
32 93 43 00-0913	EA	2" Caliper Sophora japonica - Chinese Scholar	200.75	
32 93 43 00-0914	EA	2-1/2" Caliper Sophora japonica - Chinese Scholar	269.76	
32 93 43 00-0915	EA	3" Caliper Sophora japonica - Chinese Scholar	351.32	
32 93 43 00-0916	EA	3-1/2" Caliper Sophora japonica - Chinese Scholar	407.78	
32 93 43 00-0917	EA	10' To 12' Swietenia Mahagoni - Mahogany	96.61	
32 93 43 00-0918	EA	12' To 14' Swietenia Mahagoni - Mahogany	112.92	
32 93 43 00-0919	EA	14' To 16' Swietenia Mahagoni - Mahogany	150.56	
32 93 43 00-0920	EA	16' To 18' Swietenia Mahagoni - Mahogany	169.38	
32 93 43 00-0921	EA	2" Caliper Taxodium distichum - Common Bald Cypress	136.38	
32 93 43 00-0922	EA	2-1/2" Caliper Taxodium distichum - Common Bald Cypress	158.20	
32 93 43 00-0923	EA	3" Caliper Taxodium distichum - Common Bald Cypress	190.93	
32 93 43 00-0924	EA	3-1/2" Caliper Taxodium distichum - Common Bald Cypress	218.21	
32 93 43 00-0925	EA	4" Caliper Taxodium distichum - Common Bald Cypress	240.03	
32 93 43 00-0926	EA	6' Clump Form Taxodium distichum - Common Bald Cypress	120.01	
32 93 43 00-0927	EA	7' Clump Form Taxodium distichum - Common Bald Cypress	136.38	
32 93 43 00-0928	EA	8' Clump Form Taxodium distichum - Common Bald Cypress	196.39	
32 93 43 00-0929	EA	10' Clump Form Taxodium distichum - Common Bald Cypress	218.21	
32 93 43 00-0930	EA	12' Clump Form Taxodium distichum - Common Bald Cypress	245.48	
32 93 43 00-0931	EA	14' Clump Form Taxodium distichum - Common Bald Cypress	283.67	
32 93 43 00-0932	EA	16' Clump Form Taxodium distichum - Common Bald Cypress	327.31	
32 93 43 00-0933	EA	2' Thuja occidentalis - American Arborviatae	18.70	
32 93 43 00-0934	EA	2-1/2' Thuja occidentalis - American Arborviatae	20.20	
32 93 43 00-0935	EA	3' Thuja occidentalis - American Arborviatae	28.86	
32 93 43 00-0936	EA	4' Thuja occidentalis - American Arborviatae	39.65	
32 93 43 00-0937	EA	5' Thuja occidentalis - American Arborviatae	55.21	
32 93 43 00-0938	EA	6' Thuja occidentalis - American Arborviatae	76.54	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0939	EA	7' Thuja occidentalis - American Arborviatae	92.85	
32 93 43 00-0940	EA	8' Thuja occidentalis - American Arborviatae	130.49	
32 93 43 00-0941	EA	2" Caliper Tilia americana & cvs - American Linden Basswood	136.38	
32 93 43 00-0942	EA	2-1/2" Caliper Tilia americana & cvs - American Linden Basswood	158.20	
32 93 43 00-0943	EA	3" Caliper Tilia americana & cvs - American Linden Basswood	201.84	
32 93 43 00-0944	EA	3-1/2" Caliper Tilia americana & cvs - American Linden Basswood	234.57	
32 93 43 00-0945	EA	4" Caliper Tilia americana & cvs - American Linden; Basswood	267.31	
32 93 43 00-0946	EA	4-1/2" Caliper Tilia americana & cvs - American Linden Basswood	300.04	
32 93 43 00-0947	EA	5" Caliper Tilia americana & cvs - American Linden Basswood	327.31	
32 93 43 00-0948	EA	10' Clump Form Tilia americana & cvs - American Linden Basswood	174.57	
32 93 43 00-0949	EA	12' Clump Form Tilia americana & cvs - American Linden Basswood	190.93	
32 93 43 00-0950	EA	14' Clump Form Tilia americana & cvs - American Linden Basswood	218.21	
32 93 43 00-0951	EA	16' Clump Form Tilia americana & cvs - American Linden Basswood	250.94	
32 93 43 00-0952	EA	2" Caliper Tilia cordata & cvs - Littleleaf Linden	137.20	
32 93 43 00-0953	EA	2-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden	165.73	
32 93 43 00-0954	EA	3" Caliper Tilia cordata & cvs - Littleleaf Linden	190.93	
32 93 43 00-0955	EA	3-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden	234.57	
32 93 43 00-0956	EA	4" Caliper Tilia cordata & cvs - Littleleaf Linden	267.31	
32 93 43 00-0957	EA	4-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden	300.04	
32 93 43 00-0958	EA	5" Caliper Tilia cordata & cvs - Littleleaf Linden	332.77	
32 93 43 00-0959	EA	2" Caliper Tilia tomentosa & cvs - Silver Linden	152.75	
32 93 43 00-0960	EA	2-1/2" Caliper Tilia tomentosa & cvs - Silver Linden	169.11	
32 93 43 00-0961	EA	3" Caliper Tilia tomentosa & cvs - Silver Linden	185.48	
32 93 43 00-0962	EA	3-1/2" Caliper Tilia tomentosa & cvs - Silver Linden	207.30	
32 93 43 00-0963	EA	4" Caliper Tilia tomentosa & cvs - Silver Linden	240.03	
32 93 43 00-0964	EA	4-1/2" Caliper Tilia tomentosa & cvs - Silver Linden	283.67	
32 93 43 00-0965	EA	5" Caliper Tilia tomentosa & cvs - Silver Linden	370.95	
32 93 43 00-0966	EA	2" Caliper Tilia x euchlora - Crimean Linden	152.75	
32 93 43 00-0967	EA	2-1/2" Caliper Tilia x euchlora - Crimean Linden	196.39	
32 93 43 00-0968	EA	3" Caliper Tilia x euchlora - Crimean Linden	240.03	
32 93 43 00-0969	EA	3-1/2" Caliper Tilia x euchlora - Crimean Linden	272.76	
32 93 43 00-0970	EA	4" Caliper Tilia x euchlora - Crimean Linden	305.49	
32 93 43 00-0971	EA	4-1/2" Caliper Tilia x euchlora - Crimean Linden	343.68	
32 93 43 00-0972	EA	5" Caliper Tilia x euchlora - Crimean Linden	370.95	
32 93 43 00-0973	EA	2" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	152.75	
32 93 43 00-0974	EA	2-1/2" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	174.57	
32 93 43 00-0975	EA	3" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	190.93	
32 93 43 00-0976	EA	3-1/2" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	207.30	
32 93 43 00-0977	EA	4" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	229.12	
32 93 43 00-0978	EA	4-1/2" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	272.76	
32 93 43 00-0979	EA	5" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	321.86	
32 93 43 00-0980	EA	2" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	174.57	
32 93 43 00-0981	EA	2-1/2" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	190.93	
32 93 43 00-0982	EA	3" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	207.30	
32 93 43 00-0983	EA	3-1/2" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	229.12	
32 93 43 00-0984	EA	4" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	272.76	
32 93 43 00-0985	EA	4-1/2" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	321.86	
32 93 43 00-0986	EA	5" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	370.95	
32 93 43 00-0987	EA	2" Caliper Ulmus x `Regal' - Regal Hybrid Elm	174.57	
32 93 43 00-0988	EA	2-1/2" Mary-Louise Parker Ulmus x `Regal' - Regal Hybrid Elm	190.93	
32 93 43 00-0989	EA	3" Caliper Ulmus x `Regal' - Regal Hybrid Elm	207.30	
32 93 43 00-0990	EA	3-1/2" Caliper Ulmus x `Regal' - Regal Hybrid Elm	229.12	
32 93 43 00-0991	EA	4" Caliper Ulmus x `Regal' - Regal Hybrid Elm	272.76	
32 93 43 00-0992	EA	4-1/2" Caliper Ulmus x `Regal' - Regal Hybrid Elm	321.86	
32 93 43 00-0993	EA	5" Caliper Ulmus x `Regal' - Regal Hybrid Elm	370.95	

32 93 43 00-0994 Evergreen Trees *(32 93 43)*

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0995	EA	6' Abies balsamea - Balsam Fir	133.40	
32 93 43 00-0996	EA	7' Abies balsamea - Balsam Fir	166.75	
32 93 43 00-0997	EA	8' Abies balsamea - Balsam Fir	200.10	
32 93 43 00-0998	EA	9' Abies balsamea - Balsam Fir	266.80	
32 93 43 00-0999	EA	10' Abies balsamea - Balsam Fir	333.50	
32 93 43 00-1000	EA	12' Abies balsamea - Balsam Fir	400.20	
32 93 43 00-1001	EA	6' Abies concolor - White Fir	193.43	
32 93 43 00-1002	EA	7' Abies concolor - White Fir	220.11	
32 93 43 00-1003	EA	8' Abies concolor - White Fir	260.13	
32 93 43 00-1004	EA	9' Abies concolor - White Fir	300.15	
32 93 43 00-1005	EA	10' Abies concolor - White Fir	353.51	
32 93 43 00-1006	EA	12' Abies concolor - White Fir	433.55	
32 93 43 00-1007	EA	14' Abies concolor - White Fir	533.60	
32 93 43 00-1008	EA	16' Abies concolor - White Fir	600.30	
32 93 43 00-1009	EA	6' Abies fraseri - Frasier Fir	133.40	
32 93 43 00-1010	EA	7' Abies fraseri - Frasier Fir	166.75	
32 93 43 00-1011	EA	8' Abies fraseri - Frasier Fir	200.10	
32 93 43 00-1012	EA	9' Abies fraseri - Frasier Fir	266.80	
32 93 43 00-1013	EA	10' Abies fraseri - Frasier Fir	333.50	
32 93 43 00-1014	EA	12' Abies fraseri - Frasier Fir	400.20	
32 93 43 00-1015	EA	5 Gallon Araucaria heterophylla (Araucaria excelsa) - Norfolk Island Pine, Star Pine	35.90	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-1016	EA	15 Gallon Araucaria heterophylla (Araucaria excelsa) - Norfolk Island Pine, Star Pine	249.34	
32 93 43 00-1017	EA	24" Box Araucaria heterophylla (Araucaria excelsa) - Norfolk Island Pine, Star Pine	498.68	
32 93 43 00-1018	EA	36" Box Araucaria heterophylla (Araucaria excelsa) - Norfolk Island Pine, Star Pine	1,196.82	
32 93 43 00-1019	EA	1 Gallon Bauhinia variegata (Bauhinia purpurea) - Purple Orchid Tree	7.34	
32 93 43 00-1020	EA	5 Gallon Bauhinia variegata (Bauhinia purpurea) - Purple Orchid Tree	27.67	
32 93 43 00-1021	EA	15 Gallon Bauhinia variegata (Bauhinia purpurea) - Purple Orchid Tree	89.21	
32 93 43 00-1022	EA	24" Box Bauhinia variegata (Bauhinia purpurea) - Purple Orchid Tree	214.55	
32 93 43 00-1023	EA	5 Gallon Bauhinia blakeana - Hong Kong Orchid Tree	20.33	
32 93 43 00-1024	EA	15 Gallon Bauhinia blakeana - Hong Kong Orchid Tree	89.21	
32 93 43 00-1025	EA	24" Box Bauhinia blakeana - Hong Kong Orchid Tree	214.55	
32 93 43 00-1026	EA	1 Gallon Callistemon viminalis - Weeping Bottlebrush	8.98	
32 93 43 00-1027	EA	5 Gallon Callistemon viminalis - Weeping Bottlebrush	27.93	
32 93 43 00-1028	EA	15 Gallon Callistemon viminalis - Weeping Bottlebrush	97.74	
32 93 43 00-1029	EA	24" Box Callistemon viminalis - Weeping Bottlebrush	319.15	
32 93 43 00-1030	EA	36" Box Callistemon viminalis - Weeping Bottlebrush	897.62	
32 93 43 00-1031	EA	2' To 3' Cedrus atlantica - Blue Atlas Cedar	24.03	
32 93 43 00-1032	EA	3' To 4' Cedrus atlantica - Blue Atlas Cedar	38.62	
32 93 43 00-1033	EA	4' To 5' Cedrus atlantica - Blue Atlas Cedar	57.38	
32 93 43 00-1034	EA	5' To 6' Cedrus atlantica - Blue Atlas Cedar	77.20	
32 93 43 00-1035	EA	7' To 8' Cedrus atlantica - Blue Atlas Cedar	109.60	
32 93 43 00-1036	EA	1 Gallon Cedrus deodara - Deodar Cedar	19.75	
32 93 43 00-1037	EA	5 Gallon Cedrus deodara - Deodar Cedar	35.90	
32 93 43 00-1038	EA	15 Gallon Cedrus deodara - Deodar Cedar	157.58	
32 93 43 00-1039	EA	24" Box Cedrus deodara - Deodar Cedar	498.68	
32 93 43 00-1040	EA	36" Box Cedrus deodara - Deodar Cedar	1,097.08	
32 93 43 00-1041	EA	6' Cedrus decurrens - Incese Cedar	111.99	
32 93 43 00-1042	EA	8' Cedrus decurrens - Incese Cedar	231.65	
32 93 43 00-1043	EA	10' Cedrus decurrens - Incese Cedar	306.82	
32 93 43 00-1044	EA	12' Cedrus decurrens - Incese Cedar	406.54	
32 93 43 00-1045	EA	6' To 8' Cedrus deodara - Indian Cedar	99.17	
32 93 43 00-1046	EA	8' To 10' Cedrus deodara - Indian Cedar	114.82	
32 93 43 00-1047	EA	10' To 12' Cedrus deodara - Indian Cedar	156.55	
32 93 43 00-1048	EA	12' To 14' Cedrus deodara - Indian Cedar	203.50	
32 93 43 00-1049	EA	14' To 16' Cedrus deodara - Indian Cedar	260.93	
32 93 43 00-1050	EA	5 Gallon Cedrus libani - Cedar of Lebanon	35.90	
32 93 43 00-1051	EA	15 Gallon Cedrus libani - Cedar of Lebanon	157.58	
32 93 43 00-1052	EA	24" Box Cedrus libani - Cedar of Lebanon	378.99	
32 93 43 00-1053	EA	36" Box Cedrus libani - Cedar of Lebanon	1,097.08	
32 93 43 00-1054	EA	15 Gallon Celtis australis - European Hackberry	129.66	
32 93 43 00-1055	EA	24" Box Celtis australis - European Hackberry	448.81	
32 93 43 00-1056	EA	15" To 18" Chamaecyparis obtusa - Compact Hinoki Cypress	31.00	
32 93 43 00-1057	EA	18" To 24" Chamaecyparis obtusa - Compact Hinoki Cypress	46.50	
32 93 43 00-1058	EA	2' To 3' Chamaecyparis obtusa - Compact Hinoki Cypress	72.33	
32 93 43 00-1059	EA	3' To 4' Chamaecyparis obtusa - Compact Hinoki Cypress	124.00	
32 93 43 00-1060	EA	4' To 5' Chamaecyparis pisifera - Sawara Cypress	37.57	
32 93 43 00-1061	EA	5' To 6' Chamaecyparis pisifera - Sawara Cypress	58.49	
32 93 43 00-1062	EA	6' To 7' Chamaecyparis pisifera - Sawara Cypress	73.03	
32 93 43 00-1063	EA	7' To 8' Chamaecyparis pisifera - Sawara Cypress	104.38	
32 93 43 00-1064	EA	1 Gallon Cinnamomum camphora - Camphor Tree	12.97	
32 93 43 00-1065	EA	5 Gallon Cinnamomum camphora - Camphor Tree	35.90	
32 93 43 00-1066	EA	15 Gallon Cinnamomum camphora - Camphor Tree	97.74	
32 93 43 00-1067	EA	24" Box Cinnamomum camphora - Camphor Tree	319.15	
32 93 43 00-1068	EA	36" Box Cinnamomum camphora - Camphor Tree	897.62	
32 93 43 00-1069	EA	1 Gallon Cleyera japonica - Japanese Cleyera	4.23	
32 93 43 00-1070	EA	3 Gallon Cleyera japonica - Japanese Cleyera	10.61	
32 93 43 00-1071	EA	7 Gallon Cleyera japonica - Japanese Cleyera	30.38	
32 93 43 00-1072	EA	5 Gallon Cupressocyparis leylandii - Leyland Cypress	17.05	
32 93 43 00-1073	EA	15 Gallon Cupressocyparis leylandii - Leyland Cypress	68.22	
32 93 43 00-1074	EA	4' To 5' Cupressocyparis leylandii - Leyland Cypress	29.85	
32 93 43 00-1075	EA	5' To 6' Cupressocyparis leylandii - Leyland Cypress	38.37	
32 93 43 00-1076	EA	6' To 7' Cupressocyparis leylandii - Leyland Cypress	59.69	
32 93 43 00-1077	EA	24" Box Cupressocyparis leylandii - Leyland Cypress	144.96	
32 93 43 00-1078	EA	1 Gallon Cupressus macrocarpa - Monterey Cypress	3.11	
32 93 43 00-1079	EA	5 Gallon Cupressus macrocarpa - Monterey Cypress	14.00	
32 93 43 00-1080	EA	15 Gallon Cupressus macrocarpa - Monterey Cypress	46.65	
32 93 43 00-1081	EA	5 Gallon Cupressus sempervirens - Italian Cypress	16.05	
32 93 43 00-1082	EA	15 Gallon Cupressus sempervirens - Italian Cypress	44.14	
32 93 43 00-1083	EA	1 Gallon Eriobotrya deflexa - Bronze Loquat	12.97	
32 93 43 00-1084	EA	5 Gallon Eriobotrya deflexa - Bronze Loquat	35.90	
32 93 43 00-1085	EA	15 Gallon Eriobotrya deflexa - Bronze Loquat	157.58	
32 93 43 00-1086	EA	24" Box Eriobotrya deflexa - Bronze Loquat	378.99	
32 93 43 00-1087	EA	36" Box Eriobotrya deflexa - Bronze Loquat	1,097.08	
32 93 43 00-1088	EA	1 Gallon Heteromeles arbutifolia - Toyon	12.97	
32 93 43 00-1089	EA	5 Gallon Heteromeles arbutifolia - Toyon	35.90	
32 93 43 00-1090	EA	15 Gallon Heteromeles arbutifolia - Toyon	119.66	
32 93 43 00-1091	EA	24" Box Heteromeles arbutifolia - Toyon	378.99	
32 93 43 00-1092	EA	1 Gallon Illicium anisatum - Anise Tree	4.59	
32 93 43 00-1093	EA	3 Gallon Illicium anisatum - Anise Tree	10.61	
32 93 43 00-1094	EA	1 Gallon Juniperus horizontalis "Bar Harbor' - Bar Harbor Juniper	4.72	
32 93 43 00-1095	EA	2 Gallon Juniperus horizontalis "Bar Harbor' - Bar Harbor Juniper	9.23	
32 93 43 00-1096	EA	3 Gallon Juniperus horizontalis "Bar Harbor' - Bar Harbor Juniper	11.44	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-1097	EA	5 Gallon Juniperus horizontalis "Bar Harbor' - Bar Harbor Juniper	13.44	
32 93 43 00-1098	EA	1 Gallon Juniperus - Blue Sargent Juniper	4.72	
32 93 43 00-1099	EA	2 Gallon Juniperus - Blue Sargent Juniper	9.23	
32 93 43 00-1100	EA	3 Gallon Juniperus - Blue Sargent Juniper	11.44	
32 93 43 00-1101	EA	5 Gallon Juniperus - Blue Sargent Juniper	13.44	
32 93 43 00-1102	EA	5 Gallon Juniperus - Compact Pfitzer Juniper	13.44	
32 93 43 00-1103	EA	15" To 18" Juniperus - Compact Pfitzer Juniper	14.55	
32 93 43 00-1104	EA	18" To 24" Juniperus - Compact Pfitzer Juniper	17.56	
32 93 43 00-1105	EA	2' To 2 1/2' Juniperus - Compact Pfitzer Juniper	26.08	
32 93 43 00-1106	EA	2-1/2' To 3' Juniperus - Compact Pfitzer Juniper	30.20	
32 93 43 00-1107	EA	5' To 6' Juniperus - Fairview Juniper	44.98	
32 93 43 00-1108	EA	1 Gallon Juniperus - Hollywood Juniper	6.02	
32 93 43 00-1109	EA	5 Gallon Juniperus - Hollywood Juniper	16.75	
32 93 43 00-1110	EA	15 Gallon Juniperus - Hollywood Juniper	71.03	
32 93 43 00-1111	EA	4' To 5' Juniperus - Hollywood Juniper	46.95	
32 93 43 00-1112	EA	5' To 6' Juniperus - Hollywood Juniper	60.49	
32 93 43 00-1113	EA	1 Gallon Juniperus - Parson's Juniper	4.72	
32 93 43 00-1114	EA	2 Gallon Juniperus - Parson's Juniper	9.33	
32 93 43 00-1115	EA	3 Gallon Juniperus - Parson's Juniper	11.54	
32 93 43 00-1116	EA	5 Gallon Juniperus - Parson's Juniper	13.64	
32 93 43 00-1117	EA	5 Gallon Juniperus - Skyrocket Juniper	16.85	
32 93 43 00-1118	EA	15 Gallon Juniperus - Skyrocket Juniper	71.73	
32 93 43 00-1119	EA	2' To 3' Juniperus - Skyrocket Juniper	25.28	
32 93 43 00-1120	EA	3' To 4' Juniperus - Skyrocket Juniper	35.81	
32 93 43 00-1121	EA	4' To 5' Juniperus - Skyrocket Juniper	47.45	
32 93 43 00-1122	EA	5' To 6' Juniperus - Skyrocket Juniper	61.20	
32 93 43 00-1123	EA	6' To 8' Juniperus - Skyrocket Juniper	79.05	
32 93 43 00-1124	EA	1 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	4.72	
32 93 43 00-1125	EA	2 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	9.28	
32 93 43 00-1126	EA	3 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	11.39	
32 93 43 00-1127	EA	5 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	13.49	
32 93 43 00-1128	EA	1 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	4.72	
32 93 43 00-1129	EA	2 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	9.28	
32 93 43 00-1130	EA	3 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	11.39	
32 93 43 00-1131	EA	5 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	13.49	
32 93 43 00-1132	EA	2' To 3' Juniperus virginiana - Eastern Red Cedar	25.28	
32 93 43 00-1133	EA	3' To 4' Juniperus virginiana - Eastern Red Cedar	35.81	
32 93 43 00-1134	EA	4' To 5' Juniperus virginiana - Eastern Red Cedar	47.45	
32 93 43 00-1135	EA	5' To 6' Juniperus virginiana - Eastern Red Cedar	61.20	
32 93 43 00-1136	EA	1 Gallon Laurus nobilis - Sweet Bay	8.98	
32 93 43 00-1137	EA	5 Gallon Laurus nobilis - Sweet Bay	27.93	
32 93 43 00-1138	EA	15 Gallon Laurus nobilis - Sweet Bay	97.74	
32 93 43 00-1139	EA	24" Box Laurus nobilis - Sweet Bay	319.15	
32 93 43 00-1140	EA	36" Box Laurus nobilis - Sweet Bay	1,097.08	
32 93 43 00-1141	EA	5 Gallon Lophostemon confertus (Tristania conferta) - Brisbane Box	27.93	
32 93 43 00-1142	EA	15 Gallon Lophostemon confertus (Tristania conferta) - Brisbane Box	97.74	
32 93 43 00-1143	EA	24" Box Lophostemon confertus (Tristania conferta) - Brisbane Box	319.15	
32 93 43 00-1144	EA	36" Box Lophostemon confertus (Tristania conferta) - Brisbane Box	897.62	
32 93 43 00-1145	EA	1 Gallon Lyonothamnus floribundus - Catalina Ironwood	19.75	
32 93 43 00-1146	EA	5 Gallon Lyonothamnus floribundus - Catalina Ironwood	48.87	
32 93 43 00-1147	EA	15 Gallon Lyonothamnus floribundus - Catalina Ironwood	249.34	
32 93 43 00-1148	EA	24" Box Lyonothamnus floribundus - Catalina Ironwood	498.68	
32 93 43 00-1149	EA	1 Gallon Lyonothamnus floribundus ssp. asplenifolius - Catalinia Ironwood	19.93	
32 93 43 00-1150	EA	5 Gallon Lyonothamnus floribundus ssp. asplenifolius - Catalinia Ironwood	59.82	
32 93 43 00-1151	EA	6' Melaleuca linariifolia - Flaxleaf Paperbark	322.16	
32 93 43 00-1152	EA	8' Melaleuca linariifolia - Flaxleaf Paperbark	429.55	
32 93 43 00-1153	EA	10' Melaleuca linariifolia - Flaxleaf Paperbark	536.94	
32 93 43 00-1154	EA	12' Melaleuca linariifolia - Flaxleaf Paperbark	644.32	
32 93 43 00-1155	EA	1 Gallon Melaleuca linariifolia - Flaxleaf Paperbark	8.97	
32 93 43 00-1156	EA	5 Gallon Melaleuca linariifolia - Flaxleaf Paperbark	27.92	
32 93 43 00-1157	EA	15 Gallon Melaleuca linariifolia - Flaxleaf Paperbark	97.72	
32 93 43 00-1158	EA	24" Box Melaleuca linariifolia - Flaxleaf Paperbark	319.09	
32 93 43 00-1159	EA	6' Melaleuca quinquenervia - Cajeput Tree	322.16	
32 93 43 00-1160	EA	8' Melaleuca quinquenervia - Cajeput Tree	429.55	
32 93 43 00-1161	EA	10' Melaleuca quinquenervia - Cajeput Tree	536.94	
32 93 43 00-1162	EA	12' Melaleuca quinquenervia - Cajeput Tree	644.32	
32 93 43 00-1163	EA	24" Box Melaleuca quinquenervia - Cajeput Tree	179.49	
32 93 43 00-1164	EA	30" Box Melaleuca quinquenervia - Cajeput Tree	452.56	
32 93 43 00-1165	EA	36" Box Melaleuca quinquenervia - Cajeput Tree	713.36	
32 93 43 00-1166	EA	4' Metrosideros excelsus - New Zealand Christmas Tree	95.11	
32 93 43 00-1167	EA	5' Metrosideros excelsus - New Zealand Christmas Tree	128.86	
32 93 43 00-1168	EA	6' Metrosideros excelsus - New Zealand Christmas Tree	219.38	
32 93 43 00-1169	EA	8' Metrosideros excelsus - New Zealand Christmas Tree	271.54	
32 93 43 00-1170	EA	24" Box Metrosideros excelsus - New Zealand Christmas Tree	180.68	
32 93 43 00-1171	EA	1 Gallon Photinia fraseri - Fraser's Photinia	8.98	
32 93 43 00-1172	EA	5 Gallon Photinia fraseri - Fraser's Photinia	77.79	
32 93 43 00-1173	EA	15 Gallon Photinia fraseri - Fraser's Photinia	117.69	
32 93 43 00-1174	EA	24" Box Photinia fraseri - Fraser's Photinia	378.99	
32 93 43 00-1175	EA	5' Picea abies & cvs - Norway Spruce	146.74	
32 93 43 00-1176	EA	6' Picea abies & cvs - Norway Spruce	166.75	
32 93 43 00-1177	EA	7' Picea abies & cvs - Norway Spruce	200.10	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-1178	EA	8' Picea abies & cvs - Norway Spruce	233.45	
32 93 43 00-1179	EA	9' Picea abies & cvs - Norway Spruce	313.49	
32 93 43 00-1180	EA	10' Picea abies & cvs - Norway Spruce	380.19	
32 93 43 00-1181	EA	12' Picea abies & cvs - Norway Spruce	466.90	
32 93 43 00-1182	EA	14' Picea abies & cvs - Norway Spruce	566.95	
32 93 43 00-1183	EA	6' Picea glauca - White Spruce	140.07	
32 93 43 00-1184	EA	7' Picea glauca - White Spruce	200.10	
32 93 43 00-1185	EA	8' Picea glauca - White Spruce	233.45	
32 93 43 00-1186	EA	9' Picea glauca - White Spruce	280.14	
32 93 43 00-1187	EA	10' Picea glauca - White Spruce	333.50	
32 93 43 00-1188	EA	12' Picea glauca - White Spruce	400.20	
32 93 43 00-1189	EA	4' Picea glauca densata - Black Hills Spruce	80.04	
32 93 43 00-1190	EA	5' Picea glauca densata - Black Hills Spruce	120.06	
32 93 43 00-1191	EA	6' Picea glauca densata - Black Hills Spruce	180.09	
32 93 43 00-1192	EA	7' Picea glauca densata - Black Hills Spruce	213.44	
32 93 43 00-1193	EA	8' Picea glauca densata - Black Hills Spruce	246.79	
32 93 43 00-1194	EA	9' Picea glauca densata - Black Hills Spruce	273.47	
32 93 43 00-1195	EA	10' Picea glauca densata - Black Hills Spruce	300.15	
32 93 43 00-1196	EA	1 Gallon Melaleuca citrina (Callistemon citrinus) - Lemon Bottlebrush	6.98	
32 93 43 00-1197	EA	5 Gallon Melaleuca citrina (Callistemon citrinus) - Lemon Bottlebrush	19.95	
32 93 43 00-1198	EA	15 Gallon Melaleuca citrina (Callistemon citrinus) - Lemon Bottlebrush	77.79	
32 93 43 00-1199	EA	24" Box Melaleuca citrina (Callistemon citrinus) - Lemon Bottlebrush	319.15	
32 93 43 00-1200	EA	36" Box Melaleuca citrina (Callistemon citrinus) - Lemon Bottlebrush	897.62	
32 93 43 00-1201	EA	1 Gallon Melaleuca viminalis (Callistemon viminalis) - Weeping Bottle Brush	8.98	
32 93 43 00-1202	EA	5 Gallon Melaleuca viminalis (Callistemon viminalis) - Weeping Bottle Brush	27.93	
32 93 43 00-1203	EA	15 Gallon Melaleuca viminalis (Callistemon viminalis) - Weeping Bottle Brush	97.74	
32 93 43 00-1204	EA	24" Box Melaleuca viminalis (Callistemon viminalis) - Weeping Bottle Brush	319.15	
32 93 43 00-1205	EA	36" Box Melaleuca viminalis (Callistemon viminalis) - Weeping Bottle Brush	897.62	
32 93 43 00-1206	EA	1 Gallon Metrosideros excelsa - New Zealand Christmas Tree	7.34	
32 93 43 00-1207	EA	5 Gallon Metrosideros excelsa - New Zealand Christmas Tree	27.67	
32 93 43 00-1208	EA	15 Gallon Metrosideros excelsa - New Zealand Christmas Tree	89.21	
32 93 43 00-1209	EA	24" Box Olea europaea 'Swan Hill' - Swan Hill Olive	498.68	
32 93 43 00-1210	EA	36" Box Olea europaea 'Swan Hill' - Swan Hill Olive	1,196.82	
32 93 43 00-1211	EA	6' Picea omorika & cvs - Serbian Spruce	180.09	
32 93 43 00-1212	EA	7' Picea omorika & cvs - Serbian Spruce	200.10	
32 93 43 00-1213	EA	8' Picea omorika & cvs - Serbian Spruce	240.12	
32 93 43 00-1214	EA	9' Picea omorika & cvs - Serbian Spruce	280.14	
32 93 43 00-1215	EA	10' Picea omorika & cvs - Serbian Spruce	320.16	
32 93 43 00-1216	EA	5' Picea pungens - Colorado Green Spruce	146.74	
32 93 43 00-1217	EA	6' Picea pungens - Colorado Green Spruce	186.76	
32 93 43 00-1218	EA	7' Picea pungens - Colorado Green Spruce	220.11	
32 93 43 00-1219	EA	8' Picea pungens - Colorado Green Spruce	253.46	
32 93 43 00-1220	EA	9' Picea pungens - Colorado Green Spruce	293.48	
32 93 43 00-1221	EA	10' Picea pungens - Colorado Green Spruce	553.61	
32 93 43 00-1222	EA	12' Picea pungens - Colorado Green Spruce	400.20	
32 93 43 00-1223	EA	14' Picea pungens - Colorado Green Spruce	466.90	
32 93 43 00-1224	EA	16' Picea pungens - Colorado Green Spruce	600.30	
32 93 43 00-1225	EA	5' Picea pungens glauca & cvs - Colorado Blue Spruce	146.74	
32 93 43 00-1226	EA	6' Picea pungens glauca & cvs - Colorado Blue Spruce	200.10	
32 93 43 00-1227	EA	7' Picea pungens glauca & cvs - Colorado Blue Spruce	233.45	
32 93 43 00-1228	EA	8' Picea pungens glauca & cvs - Colorado Blue Spruce	266.80	
32 93 43 00-1229	EA	9' Picea pungens glauca & cvs - Colorado Blue Spruce	300.15	
32 93 43 00-1230	EA	10' Picea pungens glauca & cvs - Colorado Blue Spruce	366.85	
32 93 43 00-1231	EA	12' Picea pungens glauca & cvs - Colorado Blue Spruce	466.90	
32 93 43 00-1232	EA	16' Picea pungens glauca & cvs - Colorado Blue Spruce	700.35	
32 93 43 00-1233	EA	6' Pinus canariensis - Canary Island Pine	368.18	
32 93 43 00-1234	EA	8' Pinus canariensis - Canary Island Pine	490.91	
32 93 43 00-1235	EA	10' Pinus canariensis - Canary Island Pine	613.64	
32 93 43 00-1236	EA	12' Pinus canariensis - Canary Island Pine	736.37	
32 93 43 00-1237	EA	1 Gallon Pinus canariensis - Canary Island Pine	12.97	
32 93 43 00-1238	EA	5 Gallon Pinus canariensis - Canary Island Pine	35.90	
32 93 43 00-1239	EA	15 Gallon Pinus canariensis - Canary Island Pine	117.69	
32 93 43 00-1240	EA	24" Box Pinus canariensis - Canary Island Pine	378.92	
32 93 43 00-1241	EA	1 Gallon Pinus eldarica - Eldarica Pine, Afghan Pine, Mondell Pine	8.98	
32 93 43 00-1242	EA	5 Gallon Pinus eldarica - Eldarica Pine, Afghan Pine, Mondell Pine	27.93	
32 93 43 00-1243	EA	15 Gallon Pinus eldarica - Eldarica Pine, Afghan Pine, Mondell Pine	97.74	
32 93 43 00-1244	EA	24" Box Pinus eldarica - Eldarica Pine, Afghan Pine, Mondell Pine	319.15	
32 93 43 00-1245	EA	36" Box Pinus eldarica - Eldarica Pine, Afghan Pine, Mondell Pine	897.62	
32 93 43 00-1246	EA	1 Gallon Pinus halepensis - Aleppo Pine	8.98	
32 93 43 00-1247	EA	5 Gallon Pinus halepensis - Aleppo Pine	27.93	
32 93 43 00-1248	EA	15 Gallon Pinus halepensis - Aleppo Pine	97.74	
32 93 43 00-1249	EA	24" Box Pinus halepensis - Aleppo Pine	319.15	
32 93 43 00-1250	EA	36" Box Pinus halepensis - Aleppo Pine	897.62	
32 93 43 00-1251	EA	1 Gallon Pinus muricata - Bishop Pine	19.93	
32 93 43 00-1252	EA	5 Gallon Pinus muricata - Bishop Pine	59.82	
32 93 43 00-1253	EA	15 Gallon Pinus patula - Jelecote Pine, Mexican Weeping Pine	129.66	
32 93 43 00-1254	EA	24" Box Pinus patula - Jelecote Pine, Mexican Weeping Pine	448.81	
32 93 43 00-1255	EA	6' Pinus pinea - Italian Stone Pine	368.18	
32 93 43 00-1256	EA	8' Pinus pinea - Italian Stone Pine	490.91	
32 93 43 00-1257	EA	10' Pinus pinea - Italian Stone Pine	613.64	
32 93 43 00-1258	EA	12' Pinus pinea - Italian Stone Pine	736.37	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-1259	EA	1 Gallon Pinus pinea - Italian Stone Pine	12.96	
32 93 43 00-1260	EA	5 Gallon Pinus pinea - Italian Stone Pine	35.90	
32 93 43 00-1261	EA	15 Gallon Pinus pinea - Italian Stone Pine	117.67	
32 93 43 00-1262	EA	24" Box Pinus pinea - Italian Stone Pine	319.09	
32 93 43 00-1263	EA	36" Box Pinus pinea - Italian Stone Pine	897.45	
32 93 43 00-1264	EA	2' Pinus strobus - Pyramidal White Pine	18.47	
32 93 43 00-1265	EA	3' Pinus strobus - Pyramidal White Pine	24.68	
32 93 43 00-1266	EA	4' Pinus strobus - Pyramidal White Pine	27.23	
32 93 43 00-1267	EA	5' Pinus strobus - Pyramidal White Pine	29.78	
32 93 43 00-1268	EA	6' Pinus strobus - Pyramidal White Pine	37.10	
32 93 43 00-1269	EA	7' Pinus strobus - Pyramidal White Pine	49.36	
32 93 43 00-1270	EA	8' Pinus strobus - Pyramidal White Pine	67.84	
32 93 43 00-1271	EA	10' Pinus strobus - Pyramidal White Pine	135.35	
32 93 43 00-1272	EA	12' Pinus strobus - Pyramidal White Pine	321.66	
32 93 43 00-1273	EA	14' Pinus strobus - Pyramidal White Pine	431.54	
32 93 43 00-1274	EA	16' Pinus strobus - Pyramidal White Pine	519.12	
32 93 43 00-1275	EA	2' Pinus strobus - White Pine	28.38	
32 93 43 00-1276	EA	3' Pinus strobus - White Pine	40.50	
32 93 43 00-1277	EA	4' Pinus strobus - White Pine	64.59	
32 93 43 00-1278	EA	5' Pinus strobus - White Pine	92.05	
32 93 43 00-1279	EA	6' Pinus strobus - White Pine	135.00	
32 93 43 00-1280	EA	7' Pinus strobus - White Pine	161.08	
32 93 43 00-1281	EA	8' Pinus strobus - White Pine	217.84	
32 93 43 00-1282	EA	10' Pinus strobus - White Pine	293.01	
32 93 43 00-1283	EA	12' Pinus strobus - White Pine	388.13	
32 93 43 00-1284	EA	14' Pinus strobus - White Pine	475.57	
32 93 43 00-1285	EA	16' Pinus strobus - White Pine	578.36	
32 93 43 00-1286	EA	3' Pinus sylvestris - Scotch Pine	43.82	
32 93 43 00-1287	EA	4' Pinus sylvestris - Scotch Pine	60.83	
32 93 43 00-1288	EA	5' Pinus sylvestris - Scotch Pine	85.38	
32 93 43 00-1289	EA	6' Pinus sylvestris - Scotch Pine	118.46	
32 93 43 00-1290	EA	7' Pinus sylvestris - Scotch Pine	145.14	
32 93 43 00-1291	EA	8' Pinus sylvestris - Scotch Pine	204.90	
32 93 43 00-1292	EA	9' Pinus sylvestris - Scotch Pine	260.13	
32 93 43 00-1293	EA	10' Pinus sylvestris - Scotch Pine	300.15	
32 93 43 00-1294	EA	12' Pinus sylvestris - Scotch Pine	353.51	
32 93 43 00-1295	EA	14' Pinus sylvestris - Scotch Pine	400.20	
32 93 43 00-1296	EA	16' Pinus sylvestris - Scotch Pine	466.90	
32 93 43 00-1297	EA	5' To 6' Pinus taeda - Loblolly Pine	19.07	
32 93 43 00-1298	EA	1 Gallon Pinus thunbergiana - Japanese Black Pine	4.72	
32 93 43 00-1299	EA	5 Gallon Pinus thunbergiana - Japanese Black Pine	16.75	
32 93 43 00-1300	EA	15 Gallon Pinus thunbergiana - Japanese Black Pine	54.27	
32 93 43 00-1301	EA	2' To 3' Pinus thunbergiana - Japanese Black Pine	22.97	
32 93 43 00-1302	EA	3' To 4' Pinus thunbergiana - Japanese Black Pine	29.19	
32 93 43 00-1303	EA	4' To 5' Pinus thunbergiana - Japanese Black Pine	43.84	
32 93 43 00-1304	EA	5' To 6' Pinus thunbergiana - Japanese Black Pine	85.57	
32 93 43 00-1305	EA	6' To 7' Pinus thunbergiana - Japanese Black Pine	96.01	
32 93 43 00-1306	EA	7' To 8' Pinus thunbergiana - Japanese Black Pine	119.98	
32 93 43 00-1307	EA	4' Pinus cembra - Swiss Stone Pine	113.39	
32 93 43 00-1308	EA	5' Pinus cembra - Swiss Stone Pine	140.07	
32 93 43 00-1309	EA	6' Pinus cembra - Swiss Stone Pine	173.42	
32 93 43 00-1310	EA	6' Pinus flexilis & cvs - Limber Pine	166.75	
32 93 43 00-1311	EA	7' Pinus flexilis & cvs - Limber Pine	193.43	
32 93 43 00-1312	EA	8' Pinus flexilis & cvs - Limber Pine	240.12	
32 93 43 00-1313	EA	9' Pinus flexilis & cvs - Limber Pine	293.48	
32 93 43 00-1314	EA	10' Pinus flexilis & cvs - Limber Pine	333.50	
32 93 43 00-1315	EA	1 Gallon Pinus mugo - Mugho Pine	6.22	
32 93 43 00-1316	EA	2 Gallon Pinus mugo - Mugho Pine	13.14	
32 93 43 00-1317	EA	3 Gallon Pinus mugo - Mugho Pine	16.45	
32 93 43 00-1318	EA	5 Gallon Pinus mugo - Mugho Pine	20.87	
32 93 43 00-1319	EA	12" To 15" Spread Pinus mugo - Mugho Pine	16.15	
32 93 43 00-1320	EA	15" To 18" Spread Pinus mugo - Mugho Pine	19.26	
32 93 43 00-1321	EA	18" To 24" Spread Pinus mugo - Mugho Pine	26.08	
32 93 43 00-1322	EA	2' To 2-1/2' Spread Pinus mugo - Mugho Pine	36.52	
32 93 43 00-1323	EA	2-1/2' To 3' Spread Pinus mugo - Mugho Pine	46.95	
32 93 43 00-1324	EA	3' To 3-1/2' Spread Pinus mugo - Mugho Pine	58.49	
32 93 43 00-1325	EA	3-1/2' To 4' Spread Pinus mugo - Mugho Pine	71.03	
32 93 43 00-1326	EA	6' Pinus nigra - Austrian Pine	166.75	
32 93 43 00-1327	EA	7' Pinus nigra - Austrian Pine	200.10	
32 93 43 00-1328	EA	8' Pinus nigra - Austrian Pine	260.13	
32 93 43 00-1329	EA	9' Pinus nigra - Austrian Pine	300.15	
32 93 43 00-1330	EA	10' Pinus nigra - Austrian Pine	353.51	
32 93 43 00-1331	EA	12' Pinus nigra - Austrian Pine	400.20	
32 93 43 00-1332	EA	14' Pinus nigra - Austrian Pine	446.89	
32 93 43 00-1333	EA	16' Pinus nigra - Austrian Pine	506.92	
32 93 43 00-1334	EA	5' Pinus peuce - Macedonian Pine	206.77	
32 93 43 00-1335	EA	6' Pinus peuce - Macedonian Pine	260.13	
32 93 43 00-1336	EA	7' Pinus peuce - Macedonian Pine	300.15	
32 93 43 00-1337	EA	8' Pinus peuce - Macedonian Pine	340.17	
32 93 43 00-1338	EA	9' Pinus peuce - Macedonian Pine	393.53	
32 93 43 00-1339	EA	1 Gallon Pinus torreyana - Torrey Pine	19.75	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-1340	EA	5 Gallon Pinus torreyana - Torrey Pine	48.87	
32 93 43 00-1341	EA	15 Gallon Pinus torreyana - Torrey Pine	157.58	
32 93 43 00-1342	EA	24" Box Pinus torreyana - Torrey Pine	378.99	
32 93 43 00-1343	EA	36" Box Pinus torreyana - Torrey Pine	1,097.08	
32 93 43 00-1344	EA	6' Pittosporum undulatum - Victorian Box	202.50	
32 93 43 00-1345	EA	8' Pittosporum undulatum - Victorian Box	320.63	
32 93 43 00-1346	EA	10' Pittosporum undulatum - Victorian Box	421.88	
32 93 43 00-1347	EA	1 Gallon Podocarpus - Chinese Podocarpus	3.11	
32 93 43 00-1348	EA	3 Gallon Podocarpus - Chinese Podocarpus	7.22	
32 93 43 00-1349	EA	7 Gallon Podocarpus - Chinese Podocarpus	20.87	
32 93 43 00-1350	EA	15 Gallon Podocarpus - Chinese Podocarpus	33.91	
32 93 43 00-1351	EA	4' To 5' Podocarpus - Chinese Podocarpus	52.17	
32 93 43 00-1352	EA	1 Gallon Rhus lancea - African Sumac	12.97	
32 93 43 00-1353	EA	5 Gallon Rhus lancea - African Sumac	35.90	
32 93 43 00-1354	EA	15 Gallon Rhus lancea - African Sumac	97.74	
32 93 43 00-1355	EA	6' Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine	383.52	
32 93 43 00-1356	EA	8' Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine	506.25	
32 93 43 00-1357	EA	10' Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine	644.32	
32 93 43 00-1358	EA	12' Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine	767.05	
32 93 43 00-1359	EA	24" Box Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine	179.49	
32 93 43 00-1360	EA	1 Gallon Podocarpus macrophyllus - Yew Pine	7.13	
32 93 43 00-1361	EA	3 Gallon Podocarpus macrophyllus - Yew Pine	16.72	
32 93 43 00-1362	EA	5 Gallon Podocarpus macrophyllus - Yew Pine	21.94	
32 93 43 00-1363	EA	15 Gallon Podocarpus macrophyllus - Yew Pine	95.11	
32 93 43 00-1364	EA	24" Box Podocarpus macrophyllus - Yew Pine	184.09	
32 93 43 00-1365	EA	5' Pseudotsuga menziesii - Douglas Fir	133.40	
32 93 43 00-1366	EA	6' Pseudotsuga menziesii - Douglas Fir	160.08	
32 93 43 00-1367	EA	7' Pseudotsuga menziesii - Douglas Fir	200.10	
32 93 43 00-1368	EA	8' Pseudotsuga menziesii - Douglas Fir	240.12	
32 93 43 00-1369	EA	9' Pseudotsuga menziesii - Douglas Fir	300.15	
32 93 43 00-1370	EA	10' Pseudotsuga menziesii - Douglas Fir	353.51	
32 93 43 00-1371	EA	12' Pseudotsuga menziesii - Douglas Fir	400.20	
32 93 43 00-1372	EA	15 Gallon Prosopis alba 'Colorado' - Argentine Mesquite	113.68	
32 93 43 00-1373	EA	24" Box Prosopis alba 'Colorado' - Argentine Mesquite	394.93	
32 93 43 00-1374	EA	15 Gallon Prosopis hybrid 'Phoenix' - Phoenix Mesquite	113.68	
32 93 43 00-1375	EA	24" Box Prosopis hybrid 'Phoenix' - Phoenix Mesquite	394.93	
32 93 43 00-1376	EA	1 Gallon Prunus ilicifolia ssp lyonii (Prunus lyonii) - Catalina Cherry	12.97	
32 93 43 00-1377	EA	5 Gallon Prunus ilicifolia ssp lyonii (Prunus lyonii) - Catalina Cherry	48.87	
32 93 43 00-1378	EA	15 Gallon Prunus ilicifolia ssp lyonii (Prunus lyonii) - Catalina Cherry	109.71	
32 93 43 00-1379	EA	24" Box Prunus ilicifolia ssp lyonii (Prunus lyonii) - Catalina Cherry	378.99	
32 93 43 00-1380	EA	24" Box Quercus engelmannii - Mesa Oak	478.73	
32 93 43 00-1381	EA	36" Box Quercus engelmannii - Mesa Oak	1,196.82	
32 93 43 00-1382	EA	5 Gallon Quillaja saponaria - Soapbark Tree	129.66	
32 93 43 00-1383	EA	15 Gallon Quillaja saponaria - Soapbark Tree	448.81	
32 93 43 00-1384	EA	24" Box Rhus lancea - African Sumac	189.46	
32 93 43 00-1385	EA	30" Box Rhus lancea - African Sumac	306.82	
32 93 43 00-1386	EA	8' Rhus lancea - African Sumac	460.23	
32 93 43 00-1387	EA	10' Rhus lancea - African Sumac	513.92	
32 93 43 00-1388	EA	12' Rhus lancea - African Sumac	613.64	
32 93 43 00-1389	EA	5' To 6' Sequoia sempervirens - Dawn Redwood	65.21	
32 93 43 00-1390	EA	6' To 8' Sequoia sempervirens - Dawn Redwood	88.03	
32 93 43 00-1391	EA	8' To 10' Sequoia sempervirens - Dawn Redwood	107.60	
32 93 43 00-1392	EA	3' To 4' Thuja occidentalis 'Wareana' - Siberian Arborvitae	12.57	
32 93 43 00-1393	EA	3' To 4' Thuja occidentalis ' Woodwadrii' - Woodward Arborvitae	23.54	
32 93 43 00-1394	EA	5' To 6' Taxodium distichum & cvs - Bald Cypress	46.35	
32 93 43 00-1395	EA	6' To 7' Taxodium distichum & cvs - Bald Cypress	57.94	
32 93 43 00-1396	EA	7' To 8' Taxodium distichum & cvs - Bald Cypress	71.63	
32 93 43 00-1397	EA	8' To 10' Taxodium distichum & cvs - Bald Cypress	90.64	
32 93 43 00-1398	EA	6' Tsuga canadensis - Northern Hemlock	133.40	
32 93 43 00-1399	EA	7' Tsuga canadensis - Northern Hemlock	166.75	
32 93 43 00-1400	EA	8' Tsuga canadensis - Northern Hemlock	226.78	
32 93 43 00-1401	EA	9' Tsuga canadensis - Northern Hemlock	266.80	
32 93 43 00-1402	EA	10' Tsuga canadensis - Northern Hemlock	300.15	
32 93 43 00-1403	EA	12' Tsuga canadensis - Northern Hemlock	333.50	
32 93 43 00-1404	EA	1 Gallon Tristania conferta - Brisbane Box	12.97	
32 93 43 00-1405	EA	5 Gallon Tristania conferta - Brisbane Box	35.90	
32 93 43 00-1406	EA	15 Gallon Tristania conferta - Brisbane Box	97.74	
32 93 43 00-1407	EA	24" Box Tristania conferta - Brisbane Box	319.15	
32 93 43 00-1408	EA	36" Box Tristania conferta - Brisbane Box	897.62	

32 93 43 00-1409 Palm And Subtropical Trees *(32 93 43)*

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-1410	EA	4' To 5' Acacia baileyana - Bailey Acacia	250.94	
32 93 43 00-1411	EA	6' Acacia baileyana - Bailey Acacia	301.13	
32 93 43 00-1412	EA	8' Acacia baileyana - Bailey Acacia	351.32	
32 93 43 00-1413	EA	10' Acacia baileyana - Bailey Acacia	439.14	
32 93 43 00-1414	EA	6' Agonis flexuosa - Peppermint Tree	150.56	
32 93 43 00-1415	EA	8' Agonis flexuosa - Peppermint Tree	188.20	
32 93 43 00-1416	EA	10' Agonis flexuosa - Peppermint Tree	225.85	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-1417	EA	24" Box Agonis flexuosa - Peppermint Tree	187.58	
32 93 43 00-1418	EA	4' To 5' Archontophoenix cunninghamiana - King Palm	102.64	
32 93 43 00-1419	EA	6' To 8' Archontophoenix cunninghamiana - King Palm	159.66	
32 93 43 00-1420	EA	8' To 10' Archontophoenix cunninghamiana - King Palm	205.28	
32 93 43 00-1421	EA	10' To 12' Archontophoenix cunninghamiana - King Palm	273.70	
32 93 43 00-1422	EA	4' To 5' Arecastrum romanzoffianum - Queen Palm	77.76	
32 93 43 00-1423	EA	6' To 8' Arecastrum romanzoffianum - Queen Palm	108.86	
32 93 43 00-1424	EA	8' To 10' Arecastrum romanzoffianum - Queen Palm	139.96	
32 93 43 00-1425	EA	10' To 12' Arecastrum romanzoffianum - Queen Palm	171.06	
32 93 43 00-1426	EA	12' To 14' Arecastrum romanzoffianum - Queen Palm	207.35	
32 93 43 00-1427	EA	14' To 16' Arecastrum romanzoffianum - Queen Palm	259.19	
32 93 43 00-1428	EA	4' To 5' Bauninia blakeana - Hong Kong Orchid	445.80	
32 93 43 00-1429	EA	6' Bauninia blakeana - Hong Kong Orchid	528.74	
32 93 43 00-1430	EA	8' Bauninia blakeana - Hong Kong Orchid	704.99	
32 93 43 00-1431	EA	10' Bauninia blakeana - Hong Kong Orchid	881.24	
32 93 43 00-1432	EA	6' Bauhinia purpurea - Purple Orchid Tree	559.84	
32 93 43 00-1433	EA	8' Bauhinia purpurea - Purple Orchid Tree	746.46	
32 93 43 00-1434	EA	10' Bauhinia purpurea - Purple Orchid Tree	933.08	
32 93 43 00-1435	EA	24" Box Bauhinia purpurea - Purple Orchid Tree	242.60	
32 93 43 00-1436	EA	6' Bauhinia variegata candida - White Orchid Tree	622.05	
32 93 43 00-1437	EA	8' Bauhinia variegata candida - White Orchid Tree	829.40	
32 93 43 00-1438	EA	10' Bauhinia variegata candida - White Orchid Tree	1,036.75	
32 93 43 00-1439	EA	6' Callistemon citrinus - Crimson or Lemon Bottle Brush	338.77	
32 93 43 00-1440	EA	8' Callistemon citrinus - Crimson or Lemon Bottle Brush	451.69	
32 93 43 00-1441	EA	10' Callistemon citrinus - Crimson or Lemon Bottle Brush	564.62	
32 93 43 00-1442	EA	6' Callistemon viminalis - Weeping Bottle Brush	338.77	
32 93 43 00-1443	EA	8' Callistemon viminalis - Weeping Bottle Brush	451.69	
32 93 43 00-1444	EA	10' Callistemon viminalis - Weeping Bottle Brush	564.62	
32 93 43 00-1445	EA	12' Callistemon viminalis - Weeping Bottle Brush	677.54	
32 93 43 00-1446	EA	3' To 4' Chamaedorea radicalis - Dwarf Bamboo Palm	217.72	
32 93 43 00-1447	EA	5' To 6' Chamaedorea radicalis - Dwarf Bamboo Palm	342.13	
32 93 43 00-1448	EA	3' To 4' Chamaerops humilis - European Fan Palm	186.62	
32 93 43 00-1449	EA	5' To 6' Chamaerops humilis - European Fan Palm	248.82	
32 93 43 00-1450	EA	7' To 8' Chamaerops humilis - European Fan Palm	580.58	
32 93 43 00-1451	EA	9' To 10' Chamaerops humilis - European Fan Palm	995.28	
32 93 43 00-1452	EA	6' To 7' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	145.14	
32 93 43 00-1453	EA	8' To 10' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	290.29	
32 93 43 00-1454	EA	10' To 12' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	373.23	
32 93 43 00-1455	EA	12' To 14' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	518.38	
32 93 43 00-1456	EA	12' To 16' Cocos nucifera - Coconut Palm	437.24	
32 93 43 00-1457	EA	6' Eriobotrya deflexa - Bronze Loquat	559.84	
32 93 43 00-1458	EA	8' Eriobotrya deflexa - Bronze Loquat	746.46	
32 93 43 00-1459	EA	10' Eriobotrya deflexa - Bronze Loquat	933.08	
32 93 43 00-1460	EA	6' Eucalyptus erythrocorys - Red Cap Gum	559.84	
32 93 43 00-1461	EA	8' Eucalyptus erythrocorys - Red Cap Gum	746.46	
32 93 43 00-1462	EA	10' Eucalyptus erythrocorys - Red Cap Gum	933.08	
32 93 43 00-1463	EA	6' Eucalyptus gunnii - Cider Gum	559.84	
32 93 43 00-1464	EA	8' Eucalyptus gunnii - Cider Gum	746.46	
32 93 43 00-1465	EA	10' Eucalyptus gunnii - Cider Gum	933.08	
32 93 43 00-1466	EA	6' Eucalyptus leucoxylon - White Ironbark	559.84	
32 93 43 00-1467	EA	8' Eucalyptus leucoxylon - White Ironbark	746.46	
32 93 43 00-1468	EA	10' Eucalyptus leucoxylon - White Ironbark	933.08	
32 93 43 00-1469	EA	12' Eucalyptus leucoxylon - White Ironbark	1,119.69	
32 93 43 00-1470	EA	6' Eucalyptus polyanthemos - Silver Dollar Gum	559.84	
32 93 43 00-1471	EA	8' Eucalyptus polyanthemos - Silver Dollar Gum	746.46	
32 93 43 00-1472	EA	10' Eucalyptus polyanthemos - Silver Dollar Gum	933.08	
32 93 43 00-1473	EA	6' Eucalyptus torquala - Coral Gum	559.84	
32 93 43 00-1474	EA	8' Eucalyptus torquala - Coral Gum	746.46	
32 93 43 00-1475	EA	10' Eucalyptus torquala - Coral Gum	933.08	
32 93 43 00-1476	EA	8' Fraxinus oxycarpa "Raywood" - Raywood Ash	351.32	
32 93 43 00-1477	EA	10' Fraxinus oxycarpa "Raywood" - Raywood Ash	476.79	
32 93 43 00-1478	EA	12' Fraxinus oxycarpa "Raywood" - Raywood Ash	589.71	
32 93 43 00-1479	EA	6' Jacarandra acutifolia - Jacaranda	559.84	
32 93 43 00-1480	EA	8' Jacarandra acutifolia - Jacaranda	746.46	
32 93 43 00-1481	EA	10' Jacarandra acutifolia - Jacaranda	933.08	
32 93 43 00-1482	EA	24" Box Jacarandra acutifolia - Jacaranda	242.60	
32 93 43 00-1483	EA	6' Olea europaea - Olive "Fruitless"	414.21	
32 93 43 00-1484	EA	8' Olea europaea - Olive "Fruitless"	552.28	
32 93 43 00-1485	EA	10' Olea europaea - Olive "Fruitless"	690.34	
32 93 43 00-1486	EA	12' Olea europaea - Olive "Fruitless"	828.41	
32 93 43 00-1487	EA	24" Box Olea europaea - Olive "Fruitless"	509.32	
32 93 43 00-1488	EA	5 Gallon Pistacia chinensis - Chinese Pistache	37.32	
32 93 43 00-1489	EA	15 Gallon Pistacia chinensis - Chinese Pistache	124.41	
32 93 43 00-1490	EA	24" Box Pistacia chinensis - Chinese Pistache	483.13	
32 93 43 00-1491	EA	36" Box Pistacia chinensis - Chinese Pistache	1,285.57	
32 93 43 00-1492	EA	48" Box Pistacia chinensis - Chinese Pistache	2,737.02	
32 93 43 00-1493	EA	5 Gallon Pyrus kawakamii - Evergreen Pear, Single	23.34	
32 93 43 00-1494	EA	15 Gallon Pyrus kawakamii - Evergreen Pear, Single	77.79	
32 93 43 00-1495	EA	24" Box Pyrus kawakamii - Evergreen Pear, Single	292.35	
32 93 43 00-1496	EA	30" Box Pyrus kawakamii - Evergreen Pear, Single	534.50	
32 93 43 00-1497	EA	36" Box Pyrus kawakamii - Evergreen Pear, Single	777.91	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-1498	EA	5 Gallon Pyrus kawakamii - Evergreen Pear, Multi	23.34	
32 93 43 00-1499	EA	15 Gallon Pyrus kawakamii - Evergreen Pear, Multi	82.81	
32 93 43 00-1500	EA	24" Box Pyrus kawakamii - Evergreen Pear, Multi	301.13	
32 93 43 00-1501	EA	30" Box Pyrus kawakamii - Evergreen Pear, Multi	534.50	
32 93 43 00-1502	EA	36" Box Pyrus kawakamii - Evergreen Pear, Multi	777.91	
32 93 43 00-1503	EA	4' To 5' Rhapis excelsa - Lady Palm	393.96	
32 93 43 00-1504	EA	6' To 7' Rhapis excelsa - Lady Palm	559.84	
32 93 43 00-1505	EA	8' To 9' Roystonea regia - Royal Palm	317.25	
32 93 43 00-1506	EA	10' To 11' Roystonea regia - Royal Palm	387.74	
32 93 43 00-1507	EA	12' To 13' Roystonea regia - Royal Palm	458.24	
32 93 43 00-1508	EA	14' To 15' Roystonea regia - Royal Palm	528.74	
32 93 43 00-1509	EA	16' To 17' Roystonea regia - Royal Palm	599.24	
32 93 43 00-1510	EA	18' To 19' Roystonea regia - Royal Palm	669.74	
32 93 43 00-1511	EA	20' To 21' Roystonea regia - Royal Palm	740.24	
32 93 43 00-1512	EA	10' To 16' Sabal palmetto - Cabbage Palm	160.33	
32 93 43 00-1513	EA	6' To 7' Thrinax morrisii - Key Thatch Palm	435.44	
32 93 43 00-1514	EA	8' To 9' Thrinax morrisii - Key Thatch Palm	559.84	
32 93 43 00-1515	EA	10' To 11' Thrinax morrisii - Key Thatch Palm	684.26	
32 93 43 00-1516	EA	9' Ptychosperma elegans - Alexander Palm, Solitaire Palm	155.51	
32 93 43 00-1517	EA	11' Ptychosperma elegans - Alexander Palm, Solitaire Palm	259.19	
32 93 43 00-1518	EA	15' Ptychosperma elegans - Alexander Palm, Solitaire Palm	393.96	
32 93 43 00-1519	EA	17' Ptychosperma elegans - Alexander Palm, Solitaire Palm	445.80	
32 93 43 00-1520	EA	20' Ptychosperma elegans - Alexander Palm, Solitaire Palm	518.38	
32 93 43 00-1521	EA	1 Gallon Washingtonia robusta - Mexican Fan Palm	9.30	
32 93 43 00-1522	EA	5 Gallon Washingtonia robusta - Mexican Fan Palm	28.94	
32 93 43 00-1523	EA	15 Gallon Washingtonia robusta - Mexican Fan Palm	101.31	
32 93 43 00-1524	EA	24" Box Washingtonia robusta - Mexican Fan Palm	330.80	
32 93 43 00-1525	EA	36" Box Washingtonia robusta - Mexican Fan Palm	878.69	
32 93 43 00-1526	EA	6' Washingtonia robusta - Mexican Fan Palm	559.84	
32 93 43 00-1527	EA	8' Washingtonia robusta - Mexican Fan Palm	746.46	
32 93 43 00-1528	EA	10' Washingtonia robusta - Mexican Fan Palm	933.08	
32 93 43 00-1529	EA	12' Washingtonia robusta - Mexican Fan Palm	1,119.69	
32 93 43 00-1530	EA	5 Gallon Phoenix roebelenii - Pygmy Date Palm	25.36	
32 93 43 00-1531	EA	7 Gallon Phoenix roebelenii - Pygmy Date Palm	61.80	
32 93 43 00-1532	EA	15 Gallon Phoenix roebelenii - Pygmy Date Palm	93.50	
32 93 43 00-1533	EA	24" Box Phoenix roebelenii - Pygmy Date Palm	277.32	

32 93 63 Specialty Plants *(32 93)*

32 93 63 00-0001 Specialty Plants In Place *(32 93 63)*

Note: Includes plant and placement for trees.

32 93 63 00-0002	EA	5 Gallon Trees	178.86
32 93 63 00-0003	EA	7 Gallon Trees	216.13
32 93 63 00-0004	EA	15 Gallon Trees	432.80
32 93 63 00-0005	EA	24" Box Container Trees	764.93
32 93 63 00-0006	EA	36" Box Container Trees	2,353.69
32 93 63 00-0007	EA	48" Box Container Trees	4,870.68
32 93 63 00-0008	EA	60" Box Container Trees	8,019.58
32 93 63 00-0009	EA	72" Box Container Trees	13,389.91

32 93 83 Planting of Trees, Shrubs and Ground Cover *(32 93)*

Note: Includes moving plant(s) from truck or staging site to planting site, excavation of hole, placing plant in hole, backfill and compaction. Use appropriate gallon, height or caliper size to match with description from plant section.

32 93 83 00-0001 Planting Trees *(32 93 83)*

Note: Excludes mulch. See CSI section 32 91 13 16-0001 for mulch.

32 93 83 00-0002	EA	3" To 5" Bare Root Seedlings Tree Planting	1.55
32 93 83 00-0003	EA	6" To 10" Bare Root Seedlings Tree Planting	2.49
32 93 83 00-0004	EA	11" To 16" Bare Root Seedlings Tree Planting	3.11
32 93 83 00-0005	EA	17" To 24" Bare Root Seedlings Tree Planting	4.98
32 93 83 00-0006	EA	1 Gallon Container Tree Planting	24.90
		For >10 To 25, Deduct	*-1.25*
		For >25 To 50, Deduct	*-3.11*
		For >50 To 100, Deduct	*-4.98*
		For >100, Deduct	*-7.47*
32 93 83 00-0007	EA	2 Gallon Container Tree Planting	34.86
		For >10 To 25, Deduct	*-1.74*
		For >25 To 50, Deduct	*-4.36*
		For >50 To 100, Deduct	*-6.97*
		For >100, Deduct	*-10.46*
32 93 83 00-0008	EA	3 Gallon Container Tree Planting	44.82
		For >10 To 25, Deduct	*-2.24*
		For >25 To 50, Deduct	*-5.60*
		For >50 To 100, Deduct	*-8.96*
		For >100, Deduct	*-13.45*
32 93 83 00-0009	EA	5 Gallon Container Tree Planting	74.71
		For >10 To 25, Deduct	*-3.74*
		For >25 To 50, Deduct	*-9.34*
		For >50 To 100, Deduct	*-14.94*
		For >100, Deduct	*-22.41*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0010	EA	7 Gallon Container Tree Planting	99.60	
		For >10 To 25, Deduct	*-4.98*	
		For >25 To 50, Deduct	*-12.45*	
		For >50 To 100, Deduct	*-19.92*	
		For >100, Deduct	*-29.88*	
32 93 83 00-0011	EA	10 Gallon Container Tree Planting	129.49	
		For >10 To 25, Deduct	*-6.47*	
		For >25 To 50, Deduct	*-16.19*	
		For >50 To 100, Deduct	*-25.90*	
		For >100, Deduct	*-38.85*	
32 93 83 00-0012	EA	15 Gallon Container Tree Planting	184.27	
		For >10 To 25, Deduct	*-9.21*	
		For >25 To 50, Deduct	*-23.03*	
		For >50 To 100, Deduct	*-36.85*	
		For >100, Deduct	*-55.28*	
32 93 83 00-0013	EA	20 Gallon Container Tree Planting	303.80	
		For >10 To 25, Deduct	*-15.19*	
		For >25 To 50, Deduct	*-37.98*	
		For >50 To 100, Deduct	*-60.76*	
		For >100, Deduct	*-91.14*	
32 93 83 00-0014	EA	25 Gallon Container Tree Planting	393.44	
		For >10 To 25, Deduct	*-19.67*	
		For >25 To 50, Deduct	*-49.18*	
		For >50 To 100, Deduct	*-78.69*	
		For >100, Deduct	*-118.03*	
32 93 83 00-0015	EA	30 Gallon Container Tree Planting	473.13	
		For >10 To 25, Deduct	*-23.66*	
		For >25 To 50, Deduct	*-59.14*	
		For >50 To 100, Deduct	*-94.63*	
		For >100, Deduct	*-141.94*	
32 93 83 00-0016	EA	45 Gallon Container Tree Planting	587.68	
		For >10 To 25, Deduct	*-29.38*	
		For >25 To 50, Deduct	*-73.46*	
		For >50 To 100, Deduct	*-117.54*	
		For >100, Deduct	*-176.30*	
32 93 83 00-0017	EA	65 Gallon Container Tree Planting	697.24	
		For >10 To 25, Deduct	*-34.86*	
		For >25 To 50, Deduct	*-87.16*	
		For >50 To 100, Deduct	*-139.45*	
		For >100, Deduct	*-209.17*	
32 93 83 00-0018	EA	24" Box Container Tree Planting	129.49	
		For >10 To 25, Deduct	*-6.47*	
		For >25 To 50, Deduct	*-16.19*	
		For >50 To 100, Deduct	*-25.90*	
		For >100, Deduct	*-38.85*	
32 93 83 00-0019	EA	36" Box Container Tree Planting	393.44	
		For >10 To 25, Deduct	*-19.67*	
		For >25 To 50, Deduct	*-49.18*	
		For >50 To 100, Deduct	*-78.69*	
		For >100, Deduct	*-118.03*	
32 93 83 00-0020	EA	48" Box Container Tree Planting	697.24	
		For >10 To 25, Deduct	*-34.86*	
		For >25 To 50, Deduct	*-87.16*	
		For >50 To 100, Deduct	*-139.45*	
		For >100, Deduct	*-209.17*	
32 93 83 00-0021	EA	60" Box Container Tree Planting	826.73	
		For >10 To 25, Deduct	*-41.34*	
		For >25 To 50, Deduct	*-103.34*	
		For >50 To 100, Deduct	*-165.35*	
		For >100, Deduct	*-248.02*	
32 93 83 00-0022	EA	72" Box Container Tree Planting	996.07	
		For >10 To 25, Deduct	*-49.80*	
		For >25 To 50, Deduct	*-124.51*	
		For >50 To 100, Deduct	*-199.21*	
		For >100, Deduct	*-298.82*	
32 93 83 00-0023	EA	6' Balled And Burlapped Tree Planting	249.02	
		For >10 To 25, Deduct	*-12.45*	
		For >25 To 50, Deduct	*-31.13*	
		For >50 To 100, Deduct	*-49.80*	
		For >100, Deduct	*-74.71*	
32 93 83 00-0024	EA	7' Balled And Burlapped Tree Planting	331.69	
		For >10 To 25, Deduct	*-16.58*	
		For >25 To 50, Deduct	*-41.46*	
		For >50 To 100, Deduct	*-66.34*	
		For >100, Deduct	*-99.51*	
32 93 83 00-0025	EA	8' Balled And Burlapped Tree Planting	373.53	
		For >10 To 25, Deduct	*-18.68*	
		For >25 To 50, Deduct	*-46.69*	
		For >50 To 100, Deduct	*-74.71*	
		For >100, Deduct	*-112.06*	
32 93 83 00-0026	EA	10' Balled And Burlapped Tree Planting	435.78	
		For >10 To 25, Deduct	*-21.79*	
		For >25 To 50, Deduct	*-54.47*	
		For >50 To 100, Deduct	*-87.16*	
		For >100, Deduct	*-130.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0027	EA	12' Balled And Burlapped Tree Planting	582.70	
		For >10 To 25, Deduct	*-29.14*	
		For >25 To 50, Deduct	*-72.84*	
		For >50 To 100, Deduct	*-116.54*	
		For >100, Deduct	*-174.81*	
32 93 83 00-0028	EA	14' Balled And Burlapped Tree Planting	667.37	
		For >10 To 25, Deduct	*-33.37*	
		For >25 To 50, Deduct	*-83.42*	
		For >50 To 100, Deduct	*-133.47*	
		For >100, Deduct	*-200.21*	
32 93 83 00-0029	EA	16' Balled And Burlapped Tree Planting	809.31	
		For >10 To 25, Deduct	*-40.47*	
		For >25 To 50, Deduct	*-101.16*	
		For >50 To 100, Deduct	*-161.86*	
		For >100, Deduct	*-242.79*	
32 93 83 00-0030	EA	18' Balled And Burlapped Tree Planting	971.17	
		For >10 To 25, Deduct	*-48.56*	
		For >25 To 50, Deduct	*-121.40*	
		For >50 To 100, Deduct	*-194.23*	
		For >100, Deduct	*-291.35*	
32 93 83 00-0031	EA	20' Balled And Burlapped Tree Planting	1,120.58	
		For >10 To 25, Deduct	*-56.03*	
		For >25 To 50, Deduct	*-140.07*	
		For >50 To 100, Deduct	*-224.12*	
		For >100, Deduct	*-336.17*	
32 93 83 00-0032	EA	1-1/2" Caliper Balled And Burlapped Tree Planting	373.53	
		For >10 To 25, Deduct	*-18.68*	
		For >25 To 50, Deduct	*-46.69*	
		For >50 To 100, Deduct	*-74.71*	
		For >100, Deduct	*-112.06*	
32 93 83 00-0033	EA	2" Caliper Balled And Burlapped Tree Planting	435.78	
		For >10 To 25, Deduct	*-21.79*	
		For >25 To 50, Deduct	*-54.47*	
		For >50 To 100, Deduct	*-87.16*	
		For >100, Deduct	*-130.73*	
32 93 83 00-0034	EA	2-1/2" Caliper Balled And Burlapped Tree Planting	585.19	
		For >10 To 25, Deduct	*-29.26*	
		For >25 To 50, Deduct	*-73.15*	
		For >50 To 100, Deduct	*-117.04*	
		For >100, Deduct	*-175.56*	
32 93 83 00-0035	EA	3" Caliper Balled And Burlapped Tree Planting	672.34	
		For >10 To 25, Deduct	*-33.62*	
		For >25 To 50, Deduct	*-84.04*	
		For >50 To 100, Deduct	*-134.47*	
		For >100, Deduct	*-201.70*	
32 93 83 00-0036	EA	3-1/2" Caliper Balled And Burlapped Tree Planting	747.05	
		For >10 To 25, Deduct	*-37.35*	
		For >25 To 50, Deduct	*-93.38*	
		For >50 To 100, Deduct	*-149.41*	
		For >100, Deduct	*-224.12*	
32 93 83 00-0037	EA	4" Caliper Balled And Burlapped Tree Planting	856.61	
		For >10 To 25, Deduct	*-42.83*	
		For >25 To 50, Deduct	*-107.08*	
		For >50 To 100, Deduct	*-171.32*	
		For >100, Deduct	*-256.98*	

32 93 83 00-0038 Planting Shrubs *(32 93 83)*

Note: Excludes mulch. See CSI section 32 91 13 16-0001 for mulch.

32 93 83 00-0039	EA	1 Gallon Container Shrub Planting	21.18	
		For >10 To 25, Deduct	*-1.06*	
		For >25 To 50, Deduct	*-2.65*	
		For >50 To 100, Deduct	*-4.24*	
		For >100, Deduct	*-6.35*	
32 93 83 00-0040	EA	2 Gallon Container Shrub Planting	29.88	
		For >10 To 25, Deduct	*-1.49*	
		For >25 To 50, Deduct	*-3.74*	
		For >50 To 100, Deduct	*-5.98*	
		For >100, Deduct	*-8.96*	
32 93 83 00-0041	EA	3 Gallon Container Shrub Planting	37.35	
		For >10 To 25, Deduct	*-1.87*	
		For >25 To 50, Deduct	*-4.67*	
		For >50 To 100, Deduct	*-7.47*	
		For >100, Deduct	*-11.21*	
32 93 83 00-0042	EA	4 Gallon Container Shrub Planting	49.81	
		For >10 To 25, Deduct	*-2.49*	
		For >25 To 50, Deduct	*-6.23*	
		For >50 To 100, Deduct	*-9.96*	
		For >100, Deduct	*-14.94*	
32 93 83 00-0043	EA	5 Gallon Container Shrub Planting	62.26	
		For >10 To 25, Deduct	*-3.11*	
		For >25 To 50, Deduct	*-7.78*	
		For >50 To 100, Deduct	*-12.45*	
		For >100, Deduct	*-18.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0044	EA	7 Gallon Container Shrub Planting	84.67	
		For >10 To 25, Deduct	*-4.23*	
		For >25 To 50, Deduct	*-10.58*	
		For >50 To 100, Deduct	*-16.93*	
		For >100, Deduct	*-25.40*	
32 93 83 00-0045	EA	10 Gallon Container Shrub Planting	112.05	
		For >10 To 25, Deduct	*-5.60*	
		For >25 To 50, Deduct	*-14.01*	
		For >50 To 100, Deduct	*-22.41*	
		For >100, Deduct	*-33.62*	
32 93 83 00-0046	EA	15 Gallon Container Shrub Planting	154.39	
		For >10 To 25, Deduct	*-7.72*	
		For >25 To 50, Deduct	*-19.30*	
		For >50 To 100, Deduct	*-30.88*	
		For >100, Deduct	*-46.32*	
32 93 83 00-0047	EA	20 Gallon Container Shrub Planting	258.98	
		For >10 To 25, Deduct	*-12.95*	
		For >25 To 50, Deduct	*-32.37*	
		For >50 To 100, Deduct	*-51.80*	
		For >100, Deduct	*-77.69*	
32 93 83 00-0048	EA	25 Gallon Container Shrub Planting	331.69	
		For >10 To 25, Deduct	*-16.58*	
		For >25 To 50, Deduct	*-41.46*	
		For >50 To 100, Deduct	*-66.34*	
		For >100, Deduct	*-99.51*	
32 93 83 00-0049	EA	15" Balled And Burlapped Shrub Planting	69.72	
		For >10 To 25, Deduct	*-3.49*	
		For >25 To 50, Deduct	*-8.72*	
		For >50 To 100, Deduct	*-13.94*	
		For >100, Deduct	*-20.92*	
32 93 83 00-0050	EA	18" Balled And Burlapped Shrub Planting	72.22	
		For >10 To 25, Deduct	*-3.61*	
		For >25 To 50, Deduct	*-9.03*	
		For >50 To 100, Deduct	*-14.44*	
		For >100, Deduct	*-21.67*	
32 93 83 00-0051	EA	24" Balled And Burlapped Shrub Planting	79.68	
		For >10 To 25, Deduct	*-3.98*	
		For >25 To 50, Deduct	*-9.96*	
		For >50 To 100, Deduct	*-15.94*	
		For >100, Deduct	*-23.90*	
32 93 83 00-0052	EA	30" Balled And Burlapped Shrub Planting	79.68	
		For >10 To 25, Deduct	*-3.98*	
		For >25 To 50, Deduct	*-9.96*	
		For >50 To 100, Deduct	*-15.94*	
		For >100, Deduct	*-23.90*	
32 93 83 00-0053	EA	36" Balled And Burlapped Shrub Planting	87.16	
		For >10 To 25, Deduct	*-4.36*	
		For >25 To 50, Deduct	*-10.90*	
		For >50 To 100, Deduct	*-17.43*	
		For >100, Deduct	*-26.15*	
32 93 83 00-0054	EA	42" Balled And Burlapped Shrub Planting	92.14	
		For >10 To 25, Deduct	*-4.61*	
		For >25 To 50, Deduct	*-11.52*	
		For >50 To 100, Deduct	*-18.43*	
		For >100, Deduct	*-27.64*	
32 93 83 00-0055	EA	48" Balled And Burlapped Shrub Planting	99.60	
		For >10 To 25, Deduct	*-4.98*	
		For >25 To 50, Deduct	*-12.45*	
		For >50 To 100, Deduct	*-19.92*	
		For >100, Deduct	*-29.88*	
32 93 83 00-0056	EA	5' Balled And Burlapped Shrub Planting	149.41	
		For >10 To 25, Deduct	*-7.47*	
		For >25 To 50, Deduct	*-18.68*	
		For >50 To 100, Deduct	*-29.88*	
		For >100, Deduct	*-44.82*	
32 93 83 00-0057	EA	6' Balled And Burlapped Shrub Planting	211.67	
		For >10 To 25, Deduct	*-10.58*	
		For >25 To 50, Deduct	*-26.46*	
		For >50 To 100, Deduct	*-42.33*	
		For >100, Deduct	*-63.50*	
32 93 83 00-0058	EA	7' Balled And Burlapped Shrub Planting	281.39	
		For >10 To 25, Deduct	*-14.07*	
		For >25 To 50, Deduct	*-35.17*	
		For >50 To 100, Deduct	*-56.28*	
		For >100, Deduct	*-84.42*	
32 93 83 00-0059	EA	8' Balled And Burlapped Shrub Planting	318.74	
		For >10 To 25, Deduct	*-15.94*	
		For >25 To 50, Deduct	*-39.84*	
		For >50 To 100, Deduct	*-63.75*	
		For >100, Deduct	*-95.62*	
32 93 83 00-0060	EA	9' Balled And Burlapped Shrub Planting	343.65	
		For >10 To 25, Deduct	*-17.18*	
		For >25 To 50, Deduct	*-42.96*	
		For >50 To 100, Deduct	*-68.73*	
		For >100, Deduct	*-103.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0061	EA	10' Balled And Burlapped Shrub Planting	373.53	
		For >10 To 25, Deduct	*-18.68*	
		For >25 To 50, Deduct	*-46.69*	
		For >50 To 100, Deduct	*-74.71*	
		For >100, Deduct	*-112.06*	

32 93 83 00-0062 Planting Groundcover, Vines, Perennials, Annuals And Bulbs *(32 93 83)*

See CSI section 32 91 13 16-0001 for mulch.

32 93 83 00-0063	EA	2-1/4" Diameter Potted Groundcover And Flower Planting	2.08	
		For >10 To 25, Deduct	*-0.10*	
		For >25 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.42*	
		For >100, Deduct	*-0.62*	
32 93 83 00-0064	EA	3" Diameter Potted Groundcover And Flower Planting	2.37	
		For >10 To 25, Deduct	*-0.12*	
		For >25 To 50, Deduct	*-0.30*	
		For >50 To 100, Deduct	*-0.47*	
		For >100, Deduct	*-0.71*	
32 93 83 00-0065	EA	4" Diameter Potted Groundcover And Flower Planting	2.77	
		For >10 To 25, Deduct	*-0.14*	
		For >25 To 50, Deduct	*-0.35*	
		For >50 To 100, Deduct	*-0.55*	
		For >100, Deduct	*-0.83*	
32 93 83 00-0066	EA	5-1/2" Diameter Potted Groundcover And Flower Planting	3.32	
		For >10 To 25, Deduct	*-0.17*	
		For >25 To 50, Deduct	*-0.42*	
		For >50 To 100, Deduct	*-0.66*	
		For >100, Deduct	*-1.00*	
32 93 83 00-0067	EA	6" Diameter Potted Groundcover And Flower Planting	4.15	
		For >10 To 25, Deduct	*-0.21*	
		For >25 To 50, Deduct	*-0.52*	
		For >50 To 100, Deduct	*-0.83*	
		For >100, Deduct	*-1.25*	
32 93 83 00-0068	EA	8" Diameter Potted Groundcover And Flower Planting	6.23	
		For >10 To 25, Deduct	*-0.31*	
		For >25 To 50, Deduct	*-0.78*	
		For >50 To 100, Deduct	*-1.25*	
		For >100, Deduct	*-1.87*	
32 93 83 00-0069	EA	1 Gallon Container Groundcover And Flower Planting	19.92	
		For >10 To 25, Deduct	*-1.00*	
		For >25 To 50, Deduct	*-2.49*	
		For >50 To 100, Deduct	*-3.98*	
		For >100, Deduct	*-5.98*	
32 93 83 00-0070	EA	2 Gallon Container Groundcover And Flower Planting	27.40	
		For >10 To 25, Deduct	*-1.37*	
		For >25 To 50, Deduct	*-3.43*	
		For >50 To 100, Deduct	*-5.48*	
		For >100, Deduct	*-8.22*	
32 93 83 00-0071	EA	3 Gallon Container Groundcover And Flower Planting	34.86	
		For >10 To 25, Deduct	*-1.74*	
		For >25 To 50, Deduct	*-4.36*	
		For >50 To 100, Deduct	*-6.97*	
		For >100, Deduct	*-10.46*	
32 93 83 00-0072	EA	4 Gallon Container Groundcover And Flower Planting	44.82	
		For >10 To 25, Deduct	*-2.24*	
		For >25 To 50, Deduct	*-5.60*	
		For >50 To 100, Deduct	*-8.96*	
		For >100, Deduct	*-13.45*	
32 93 83 00-0073	EA	5 Gallon Container Groundcover And Flower Planting	54.78	
		For >10 To 25, Deduct	*-2.74*	
		For >25 To 50, Deduct	*-6.85*	
		For >50 To 100, Deduct	*-10.96*	
		For >100, Deduct	*-16.43*	
32 93 83 00-0074	EA	7 Gallon Container Groundcover And Flower Planting	74.71	
		For >10 To 25, Deduct	*-3.74*	
		For >25 To 50, Deduct	*-9.34*	
		For >50 To 100, Deduct	*-14.94*	
		For >100, Deduct	*-22.41*	
32 93 83 00-0075	EA	Bulb Planting	1.24	
		For >10 To 25, Deduct	*-0.06*	
		For >25 To 50, Deduct	*-0.16*	
		For >50 To 100, Deduct	*-0.25*	
		For >100, Deduct	*-0.37*	
32 93 83 00-0076	EA	Flats Of 24 Groundcover And Flower Planting	34.86	
		For >10 To 25, Deduct	*-1.74*	
		For >25, Deduct	*-4.36*	
32 93 83 00-0077	EA	Flats Of 36 Groundcover And Flower Planting	49.45	
		For >10 To 25, Deduct	*-2.47*	
		For >25, Deduct	*-6.18*	
32 93 83 00-0078	EA	Flats Of 48 Groundcover And Flower Planting	65.83	
		For >10 To 25, Deduct	*-3.29*	
		For >25, Deduct	*-8.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 93 83 00-0079 **Tree Pits** *(32 93 83)*

Note: Costs given show the tree pit size accommodates the soil ball and the type of soil excavated includes excavation, bank run sand and gravel fill for drainage, imported mix planting soil, hand backfill, perforated drainage pipe for watering, and drainage fabric. Includes one layer of woven fabric to be applied before mulch is spread. Excludes additional soil conditioners or mulch. See CSI section 32 91 13 16-0000 for appropriate mulch or decorative topping, 32 91 13 16-0001 for appropriate mulch or decorative topping.

32 93 83 00-0080	EA	2' x 1-1/4' Deep Tree Pit	122.85	
32 93 83 00-0081	EA	2' x 2-1/2' Deep Tree Pit	184.23	
32 93 83 00-0082	EA	2-1/2' x 1-1/2' Deep Tree Pit	238.78	
32 93 83 00-0083	EA	2-1/2' x 3' Deep Tree Pit	358.08	
32 93 83 00-0084	EA	3' x 1-3/4' Deep Tree Pit	367.06	
32 93 83 00-0085	EA	3' x 3-1/2' Deep Tree Pit	547.53	
32 93 83 00-0086	EA	3-1/2' x 1-3/4' Deep Tree Pit	448.89	
32 93 83 00-0087	EA	3-1/2' x 3-1/2' Deep Tree Pit	672.33	
32 93 83 00-0088	EA	4' x 2' Deep Tree Pit	536.20	
32 93 83 00-0089	EA	4' x 4' Deep Tree Pit	803.83	
32 93 83 00-0090	EA	4-1/2' x 2' Deep Tree Pit	770.34	
32 93 83 00-0091	EA	4-1/2' x 4' Deep Tree Pit	1,157.98	
32 93 83 00-0092	EA	5' x 2-1/4' Deep Tree Pit	1,024.69	
32 93 83 00-0093	EA	5' x 4-1/2' Deep Tree Pit	1,525.45	
32 93 83 00-0094	EA	6' x 2-1/2' Deep Tree Pit	1,453.28	
32 93 83 00-0095	EA	6' x 5' Deep Tree Pit	2,176.43	
32 93 83 00-0096	EA	7' x 3' Deep Tree Pit	2,447.28	
32 93 83 00-0097	EA	7' x 6' Deep Tree Pit	3,692.02	
32 93 83 00-0098	EA	8' x 3-1/4' Deep Tree Pit	3,361.12	
32 93 83 00-0099	EA	8' x 6-1/2' Deep Tree Pit	5,039.39	

32 94 Planting Accessories *(32 90)*

32 94 13 Landscape Edging *(32 94)*

Note: Including stakes.

32 94 13 00-0001 **Landscape Edging** *(32 94 13)*

Note: Includes stakes.

32 94 13 00-0002	LF	6" Poly/Vinyl Landscape Edging With Non-Round Top	6.26	1.27
		For >2,000 To 5,000 LF, Deduct	*-0.37*	
		For >5,000 LF, Deduct	*-0.74*	
32 94 13 00-0003	LF	5" Polyethylene Landscape Edging With Round Top	3.71	1.27
		For >2,000 To 5,000 LF, Deduct	*-0.12*	
		For >5,000 LF, Deduct	*-0.23*	
32 94 13 00-0004	LF	5-1/2" Polyethylene Landscape Edging With Round Top	3.77	1.27
		For >2,000 To 5,000 LF, Deduct	*-0.12*	
		For >5,000 LF, Deduct	*-0.25*	
32 94 13 00-0005	LF	5" Polyethylene Landscape Edging With Corrugated Sides And Round Top	3.81	1.27
		For >2,000 To 5,000 LF, Deduct	*-0.13*	
		For >5,000 LF, Deduct	*-0.25*	
32 94 13 00-0006	LF	1/8" x 4", Mill Finish, Aluminum Alloy Landscape Edging	10.77	3.02
		For >1,000 LF, Deduct	*-1.19*	
32 94 13 00-0007	LF	1/8" x 4", Black Paint, Aluminum Alloy Landscape Edging	11.75	3.02
		For >1,000 LF, Deduct	*-1.43*	
32 94 13 00-0008	LF	1/8" x 4", Black Anodized, Aluminum Alloy Landscape Edging	11.82	3.02
		For >1,000 LF, Deduct	*-1.45*	
32 94 13 00-0009	LF	3/16" x 4", Mill Finish, Aluminum Alloy Landscape Edging	13.54	3.12
		For >1,000 LF, Deduct	*-1.84*	
32 94 13 00-0010	LF	3/16" x 4", Black Paint, Aluminum Alloy Landscape Edging	14.75	3.12
		For >1,000 LF, Deduct	*-2.14*	
32 94 13 00-0011	LF	3/16" x 4", Black Anodized, Aluminum Alloy Landscape Edging	14.73	3.12
		For >1,000 LF, Deduct	*-2.14*	
32 94 13 00-0012	LF	1/8" x 5-1/2", Mill Finish, Aluminum Alloy Landscape Edging	12.08	3.21
		For >1,000 LF, Deduct	*-1.43*	
32 94 13 00-0013	LF	1/8" x 5-1/2", Black Paint, Aluminum Alloy Landscape Edging	13.43	3.21
		For >1,000 LF, Deduct	*-1.77*	
32 94 13 00-0014	LF	1/8" x 5-1/2", Black Anodized, Aluminum Alloy Landscape Edging	13.56	3.21
		For >1,000 LF, Deduct	*-1.80*	
32 94 13 00-0015	LF	3/16" x 5-1/2", Mill Finish, Aluminum Alloy Landscape Edging	15.25	3.31
		For >1,000 LF, Deduct	*-2.18*	
32 94 13 00-0016	LF	3/16" x 5-1/2", Black Paint, Aluminum Alloy Landscape Edging	16.60	3.31
		For >1,000 LF, Deduct	*-2.52*	
32 94 13 00-0017	LF	3/16" x 5-1/2", Black Anodized, Aluminum Alloy Landscape Edging	16.71	3.31
		For >1,000 LF, Deduct	*-2.55*	
32 94 13 00-0018	LF	1/8" x 4" Powder Coated Steel Landscape Edging	11.46	3.12
		For >1,000 LF, Deduct	*-1.31*	
32 94 13 00-0019	LF	3/16" x 4" Powder Coated Steel Landscape Edging	13.44	3.12
		For >1,000 LF, Deduct	*-1.80*	
32 94 13 00-0020	LF	1/4" x 5" Powder Coated Steel Landscape Edging	18.76	3.12
		For >1,000 LF, Deduct	*-3.13*	
32 94 13 00-0021	LF	1/2" x 4", Recycled Plastic Landscape Edging (Bend-A-Board)	8.63	3.02
		For >1,000 LF, Deduct	*-0.65*	
32 94 13 00-0022	LF	1" x 4", Recycled Plastic Landscape Edging (Bend-A-Board)	9.81	3.02
		For >1,000 LF, Deduct	*-0.95*	
32 94 13 00-0023	LF	1" x 6", Recycled Plastic Landscape Edging (Bend-A-Board)	10.84	3.02
		For >1,000 LF, Deduct	*-1.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94 13 00-0024	LF	2" x 4", Recycled Plastic Landscape Edging (Bend-A-Board)	11.06	3.02
		For >1,000 LF, Deduct	*-1.26*	
32 94 13 00-0025		Concrete Band, Cast In Place *(32 94 13)*		
		Note: Includes delivered concrete, forms, rebar, chairs (where necessary), expansion joints, finish and curing.		
32 94 13 00-0026	LF	6" x 4" Concrete Band	18.19	9.11
		Note: Excludes base course.		
		For Up To 20, Add	*10.78*	
		For >20 To 50, Add	*6.11*	
		For >50 To 100, Add	*2.34*	
		For >500 To 1,000, Deduct	*-2.34*	
		For >1,000, Deduct	*-3.96*	
32 94 13 00-0027	LF	6" x 6" Concrete Band	21.60	10.72
		Note: Excludes base course.		
		For Up To 20, Add	*12.89*	
		For >20 To 50, Add	*7.30*	
		For >50 To 100, Add	*2.79*	
		For >500 To 1,000, Deduct	*-2.79*	
		For >1,000, Deduct	*-4.73*	
32 94 13 00-0028	LF	8" x 6" Concrete Band	24.85	123.24
		Note: Excludes base course.		
		For Up To 20, Add	*14.89*	
		For >20 To 50, Add	*8.43*	
		For >50 To 100, Add	*3.23*	
		For >500 To 1,000, Deduct	*-3.23*	
		For >1,000, Deduct	*-5.46*	
32 94 13 00-0029	LF	10" x 6" Concrete Band	27.53	133.95
		Note: Excludes base course.		
		For Up To 20, Add	*16.49*	
		For >20 To 50, Add	*9.34*	
		For >50 To 100, Add	*3.57*	
		For >500 To 1,000, Deduct	*-3.57*	
		For >1,000, Deduct	*-6.05*	
32 94 13 00-0030	LF	12" x 6" Concrete Band	28.63	13.93
		Note: Excludes base course.		
		For Up To 20, Add	*16.98*	
		For >20 To 50, Add	*9.61*	
		For >50 To 100, Add	*3.68*	
		For >500 To 1,000, Deduct	*-3.68*	
		For >1,000, Deduct	*-6.24*	
32 94 16		**Landscape Timbers** *(32 94)*		
32 94 16 00-0001	LF	1" x 4" Redwood Edging	5.40	1.78
32 94 16 00-0002	LF	2" x 4" Redwood Edging	7.41	2.68
32 94 16 00-0003	LF	4" x 6" Pressure Treated Hardwood	10.38	3.58
32 94 16 00-0004	LF	6" x 6" Pressure Treated Hardwood	13.53	4.48
32 94 16 00-0005	LF	6" x 8" Pressure Treated Hardwood	15.78	5.26
32 94 16 00-0006	LF	1" x 4" Pressure Treated Pine	4.12	1.78
32 94 16 00-0007	LF	2" x 4" Pressure Treated Pine	6.25	2.68
32 94 16 00-0008	LF	4" x 6" Pressure Treated Pine	9.87	3.46
32 94 16 00-0009	LF	6" x 6" Pressure Treated Pine	13.42	4.48
32 94 16 00-0010	LF	6" x 8" Pressure Treated Pine	16.42	5.26
32 94 16 00-0011	LF	6" x 8" Railroad Ties	15.23	4.89
32 94 16 00-0012	LF	7" x 9" Railroad Ties	18.33	6.14
32 94 23		**Plant Protection** *(32 94)*		
32 94 23 00-0001	SF	Tree Trunk Protection - Hardware Cloth 1/4" Mesh, 23 Gauge	2.78	
32 94 43		**Tree Grates** *(32 94)*		
32 94 43 00-0001		Tree Grates With Frames *(32 94 43)*		
32 94 43 00-0002		Round Cast Iron Tree Grates With Frames *(32 94 43 00-0001)*		
32 94 43 00-0003	EA	32" Diameter, 100 To 150 Lb., Cast Iron Tree Grate With Frame	1,084.78	63.94
		For >3 To 9, Deduct	*-71.77*	
		For >9, Deduct	*-148.32*	
32 94 43 00-0004	EA	36" Diameter, 125 To 175 Lb., Cast Iron Tree Grate With Frame	1,258.75	63.94
		For >3 To 9, Deduct	*-84.81*	
		For >9, Deduct	*-175.28*	
32 94 43 00-0005	EA	42" Diameter, 150 To 200 Lb., Cast Iron Tree Grate With Frame	1,518.85	85.26
		For >3 To 9, Deduct	*-101.12*	
		For >9, Deduct	*-208.99*	
32 94 43 00-0006	EA	48" Diameter, 200 To 250 Lb., Cast Iron Tree Grate With Frame	1,897.51	85.26
		For >3 To 9, Deduct	*-129.52*	
		For >9, Deduct	*-267.68*	
32 94 43 00-0007	EA	54" Diameter, 300 To 350 Lb., Cast Iron Tree Grate With Frame	2,433.93	106.58
		For >3 To 9, Deduct	*-166.56*	
		For >9, Deduct	*-344.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94 43 00-0008	EA	60" Diameter, Up To 350 Lb., Cast Iron Tree Grate With Frame	2,548.19	127.89
		For >3 To 9, Deduct	*-171.93*	
		For >9, Deduct	*-355.33*	
32 94 43 00-0009	EA	60" Diameter, >350 Lb., Cast Iron Tree Grate With Frame	2,811.71	127.89
		For >3 To 9, Deduct	*-191.70*	
		For >9, Deduct	*-396.17*	
32 94 43 00-0010	EA	72" Diameter, Up To 550 Lb., Cast Iron Tree Grate With Frame	3,739.57	181.18
		For >3 To 9, Deduct	*-253.29*	
		For >9, Deduct	*-523.47*	
32 94 43 00-0011	EA	72" Diameter, >500 To 550 Lb., Cast Iron Tree Grate With Frame	3,893.08	181.18
		For >3 To 9, Deduct	*-264.80*	
		For >9, Deduct	*-547.26*	
32 94 43 00-0012	EA	72" Diameter, >600 To 650 Lb., Cast Iron Tree Grate With Frame	4,021.01	181.18
		For >3 To 9, Deduct	*-274.40*	
		For >9, Deduct	*-567.09*	
32 94 43 00-0013	EA	72" Diameter, >650 To 700 Lb., Cast Iron Tree Grate With Frame	4,123.35	181.18
		For >3 To 9, Deduct	*-282.08*	
		For >9, Deduct	*-582.96*	
32 94 43 00-0014	EA	72" Diameter, >700 Lb., Cast Iron Tree Grate With Frame	4,200.10	181.18
		For >3 To 9, Deduct	*-287.83*	
		For >9, Deduct	*-594.85*	
32 94 43 00-0015	EA	93" Diameter, 950 To 1,000 Lb., Cast Iron Tree Grate With Frame	4,601.77	213.15
		For >3 To 9, Deduct	*-313.16*	
		For >9, Deduct	*-647.20*	

32 94 43 00-0016 Square Cast Iron Tree Grates With Frames *(32 94 43 00-0001)*

32 94 43 00-0017	EA	30" x 30", 75 To 125 Lb., Cast Iron Tree Grate With Frame	997.78	63.94
		For >3 To 9, Deduct	*-65.24*	
		For >9, Deduct	*-134.83*	
32 94 43 00-0018	EA	36" x 36", 100 To 150 Lb., Cast Iron Tree Grate With Frame	1,215.25	63.94
		For >3 To 9, Deduct	*-81.55*	
		For >9, Deduct	*-168.54*	
32 94 43 00-0019	EA	48" x 48", Up To 200 Lb., Cast Iron Tree Grate With Frame	1,799.42	106.58
		For >3 To 9, Deduct	*-118.97*	
		For >9, Deduct	*-245.87*	
32 94 43 00-0020	EA	48" x 48", >200 To 250 Lb., Cast Iron Tree Grate With Frame	2,132.03	106.58
		For >3 To 9, Deduct	*-143.92*	
		For >9, Deduct	*-297.43*	
32 94 43 00-0021	EA	48" x 48", >250 To 300 Lb., Cast Iron Tree Grate With Frame	2,439.05	106.58
		For >3 To 9, Deduct	*-166.94*	
		For >9, Deduct	*-345.01*	
32 94 43 00-0022	EA	48" x 48", >300 To 350 Lb., Cast Iron Tree Grate With Frame	2,720.48	106.58
		For >3 To 9, Deduct	*-188.05*	
		For >9, Deduct	*-388.64*	
32 94 43 00-0023	EA	48" x 48", >350 To 400 Lb., Cast Iron Tree Grate With Frame	2,976.33	106.58
		For >3 To 9, Deduct	*-207.24*	
		For >9, Deduct	*-428.29*	
32 94 43 00-0024	EA	48" x 48", >400 Lb., Cast Iron Tree Grate With Frame	3,206.59	106.58
		For >3 To 9, Deduct	*-224.51*	
		For >9, Deduct	*-463.98*	
32 94 43 00-0025	EA	60" x 60", Up To 400 Lb., Cast Iron Tree Grate With Frame	3,061.59	149.21
		For >3 To 9, Deduct	*-207.24*	
		For >9, Deduct	*-428.29*	
32 94 43 00-0026	EA	60" x 60", >400 To 450 Lb., Cast Iron Tree Grate With Frame	3,291.85	149.21
		For >3 To 9, Deduct	*-224.51*	
		For >9, Deduct	*-463.98*	
32 94 43 00-0027	EA	60" x 60", >450 To 500 Lb., Cast Iron Tree Grate With Frame	3,496.53	149.21
		For >3 To 9, Deduct	*-239.86*	
		For >9, Deduct	*-495.71*	
32 94 43 00-0028	EA	60" x 60", >500 To 550 Lb., Cast Iron Tree Grate With Frame	3,675.63	149.21
		For >3 To 9, Deduct	*-253.29*	
		For >9, Deduct	*-523.47*	
32 94 43 00-0029	EA	60" x 60", >550 To 600 Lb., Cast Iron Tree Grate With Frame	3,829.14	149.21
		For >3 To 9, Deduct	*-264.80*	
		For >9, Deduct	*-547.26*	
32 94 43 00-0030	EA	60" x 60", >600 Lb., Cast Iron Tree Grate With Frame	3,957.07	149.21
		For >3 To 9, Deduct	*-274.40*	
		For >9, Deduct	*-567.09*	
32 94 43 00-0031	EA	72" x 72", Up To 550 Lb., Cast Iron Tree Grate With Frame	3,739.57	181.18
		For >3 To 9, Deduct	*-253.29*	
		For >9, Deduct	*-523.47*	
32 94 43 00-0032	EA	72" x 72", >550 To 600 Lb., Cast Iron Tree Grate With Frame	3,893.08	181.18
		For >3 To 9, Deduct	*-264.80*	
		For >9, Deduct	*-547.26*	
32 94 43 00-0033	EA	72" x 72", >600 To 650 Lb., Cast Iron Tree Grate With Frame	4,021.01	181.18
		For >3 To 9, Deduct	*-274.40*	
		For >9, Deduct	*-567.09*	
32 94 43 00-0034	EA	72" x 72", >650 To 700 Lb., Cast Iron Tree Grate With Frame	4,123.35	181.18
		For >3 To 9, Deduct	*-282.08*	
		For >9, Deduct	*-582.96*	
32 94 43 00-0035	EA	72" x 72", >700 To 750 Lb., Cast Iron Tree Grate With Frame	4,200.10	181.18
		For >3 To 9, Deduct	*-287.83*	
		For >9, Deduct	*-594.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94 43 00-0036	EA	72" x 72", >750 To 800 Lb., Cast Iron Tree Grate With Frame	4,251.27	181.18
		For >3 To 9, Deduct	*-291.67*	
		For >9, Deduct	*-602.78*	
32 94 43 00-0037	EA	72" x 72", >800 To 850 Lb., Cast Iron Tree Grate With Frame	4,276.85	181.18
		For >3 To 9, Deduct	*-293.59*	
		For >9, Deduct	*-606.75*	
32 94 43 00-0038	EA	72" x 72", >850 Lb., Cast Iron Tree Grate With Frame	4,302.44	181.18
		For >3 To 9, Deduct	*-295.51*	
		For >9, Deduct	*-610.71*	

32 94 43 00-0039 Rectangular Cast Iron Tree Grates With Frames *(32 94 43 00-0001)*

32 94 43 00-0040	EA	36" x 48", 200 To 250 Lb., Cast Iron Tree Grate With Frame	1,897.51	85.26
		For >3 To 9, Deduct	*-129.52*	
		For >9, Deduct	*-267.68*	
32 94 43 00-0041	EA	36" x 60", 200 To 250 Lb., Cast Iron Tree Grate With Frame	1,935.88	85.26
		For >3 To 9, Deduct	*-132.40*	
		For >9, Deduct	*-273.63*	
32 94 43 00-0042	EA	36" x 72", 275 To 325 Lb., Cast Iron Tree Grate With Frame	2,364.85	106.58
		For >3 To 9, Deduct	*-161.38*	
		For >9, Deduct	*-333.51*	
32 94 43 00-0043	EA	48" x 72", Up To 350 Lb., Cast Iron Tree Grate With Frame	2,792.12	106.58
		For >3 To 9, Deduct	*-193.42*	
		For >9, Deduct	*-399.74*	
32 94 43 00-0044	EA	48" x 72", >350 Lb., Cast Iron Tree Grate With Frame	2,976.33	106.58
		For >3 To 9, Deduct	*-207.24*	
		For >9, Deduct	*-428.29*	
32 94 43 00-0045	EA	60" x 84", 700 To 750 Lb., Cast Iron Tree Grate With Frame	3,969.83	181.18
		For >3 To 9, Deduct	*-270.56*	
		For >9, Deduct	*-559.16*	

32 94 46 Tree Grids *(32 94)*

32 94 46 00-0001 Tree Wells *(32 94 46)*

32 94 46 00-0002	EA	Type 1, Case 1 Tree Well, 4'-1" x 4'-1" x 3" Permeable Concrete Cover Note: Includes saw cutting, concrete removal, excavation, 3" permeable concrete tree well cover, premolded joint filler, drywell pipes and 3" layer of crushed rock. Excludes tree, soil, tree planting, and water.	985.55	106.58
32 94 46 00-0003	EA	Type 1, Case 2 Tree Well, 2'-11" x 5'-6" x 3" Permeable Concrete Cover Note: Includes saw cutting, concrete removal, excavation, 3" permeable concrete tree well cover, premolded joint filler, drywell pipes and 3" layer of crushed rock. Excludes tree, soil, tree planting, and water.	959.36	85.26
32 94 46 00-0004	EA	Type 2, Case 1 Tree Well, 4'-1" x 4'-1" x 3" "Manhole" Brick Cover Note: Includes saw cutting, concrete removal, excavation, manhole brick tree well cover, premolded joint filler, redwood header, drywell pipes and 3" layer of crushed rock. Excludes tree, soil, tree planting, and water.	1,176.47	106.58
32 94 46 00-0005	EA	Type 2, Case 2 Tree Well, 2'-11" x 5'-6" x 3" "Manhole" Brick Cover Note: Includes saw cutting, concrete removal, excavation, manhole brick tree well cover, premolded joint filler, redwood header, drywell pipes and 3" layer of crushed rock. Excludes tree, soil, tree planting, and water.	1,147.29	85.26
32 94 46 00-0006	EA	Type 3, Case 1 Tree Well, 4'-1" x 4'-1" x 3" Hollow Concrete Block Cover Note: Includes saw cutting, concrete removal, excavation, hollow concrete block tree well cover, premolded joint filler, redwood header, drywell pipes and 3" layer of crushed rock. Excludes tree, soil, tree planting, and water.	1,074.44	106.58
32 94 46 00-0007	EA	Type 3, Tree Well, 3' x 18" Precast Permeable Concrete Note: Includes saw cutting, concrete removal, and precast permeable concrete tree well cover. Excludes excavation, tree, soil, tree planting, and water.	214.67	
32 94 46 00-0008	EA	Type 3, Tree Well, 4' x 24" Precast Permeable Concrete Note: Includes saw cutting, concrete removal, and precast permeable concrete tree well cover. Excludes excavation, tree, soil, tree planting, and water.	325.35	
32 94 46 00-0009	EA	Type 3, Tree Well, 3' x 3' Precast Permeable Concrete Note: Includes saw cutting, concrete removal, and precast permeable concrete tree well cover. Excludes excavation, tree, soil, tree planting, and water.	400.12	
32 94 46 00-0010	EA	Type 3, Tree Well, 4' x 4' Precast Permeable Concrete Note: Includes saw cutting, concrete removal, and precast permeable concrete tree well cover. Excludes excavation, tree, soil, tree planting, and water.	605.41	
32 94 46 00-0011	EA	Type 4 Tree Well, 5' x 5' Cast Iron Grate With Frame Note: Includes saw cutting, concrete removal, excavation, cast iron grate with frame, drywell pipes and 3" layer of crushed rock. Excludes tree, soil, tree planting, and water.	4,285.69	

32 94 49 Plant and Tree Accessories *(32 94)*

32 94 49 00-0001 Tree Guying *(32 94 49)*

32 94 49 00-0002 Tree Guying, Stakes *(32 94 49 00-0001)*

Note: Includes stakes, cross brace, double #12 gauge twisted wire and reinforced rubber hose tree wrap.

32 94 49 00-0003	EA	Tree Guying Up To 2" Caliper, 2 Stakes, Guy Wire And Wrap	26.27
32 94 49 00-0004	EA	Tree Guying 2" To 3" Caliper, 2 Stakes, Guy Wire And Wrap	47.44
32 94 49 00-0005	EA	Tree Guying 3" To 4" Caliper, 3 Stakes, Guy Wire And Wrap	81.53

32 94 49 00-0006 Tree Guying, Anchors *(32 94 49 00-0001)*

Note: Includes arrowhead anchor, cable, turnbuckles and wrap or reinforced rubber hose.

32 94 49 00-0007	EA	Tree Guying Up To 3" Caliper, 3" Anchors And Polypropylene Flat Rope	109.25
32 94 49 00-0008	EA	Tree Guying 3" To 6" Caliper, 4" Anchors And Polypropylene Flat Rope	147.24
32 94 49 00-0009	EA	Tree Guying 6" To 8" Caliper, 6" Anchors And Polypropylene Flat Rope	187.92
32 94 49 00-0010	EA	Tree Guying 8" And Up Caliper, 8" Anchors And Polypropylene Flat Rope	243.77

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 94 49 00-0011 Tree Wrap *(32 94 49)*

32 94 49 00-0012	EA	Tree Wrap, Up To 1" Caliper Applied Ground Level To First Branches Of Tree	7.54
32 94 49 00-0013	EA	Tree Wrap, 1" To 2" Caliper Applied Ground Level To First Branches Of Tree	12.55
32 94 49 00-0014	EA	Tree Wrap, >2" To 4" Caliper Applied Ground Level To First Branches Of Tree	24.89
32 94 49 00-0015	EA	Tree Wrap, >4" To 6" Caliper Applied Ground Level To First Branches Of Tree	38.56

32 94 49 00-0016 Tree Guards *(32 94 49)*

32 94 49 00-0017	EA	3' Preformed Plastic Tree Guard	12.86
32 94 49 00-0018	EA	2' Preformed Plastic Tree Guard	11.72

32 94 49 00-0019 Stake Out Tree And Shrub Locations *(32 94 49)*

Note: When no design available.

32 94 49 00-0020	EA	Stake Out Trees Or Shrubs	7.88

32 94 49 00-0021 Root Barriers *(32 94 49)*

32 94 49 00-0022	EA	12" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner	13.29
32 94 49 00-0023	EA	18" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner	18.83
32 94 49 00-0024	EA	24" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner	22.25
32 94 49 00-0025	EA	36" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner	41.71
32 94 49 00-0026	EA	48" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner	57.64

32 94 49 00-0027 Silva Cells *(32 94 49)*

Note: Excludes excavation, earthwork, crushed aggregate base, backfill, compaction, planting soil, tree and mulch. See CSI section 31 23 16 36-0001 for excavation, 31 23 16 36-0016 for backfill, 31 23 16 36-0020 for compaction, 32 11 16 16-0000 for crushed aggregate base, 32 91 13 16-0001 for mulch, 32 91 19 13-0010 for planting soil.

32 94 49 00-0028	EA	48" x 24" x 30.9" High Silva Cell 2 - 2x System (DeepRoot SC2-2X) Note: Includes one SC2 base, one SC2 deck and six 2X posts.	402.73
32 94 49 00-0029	EA	10" Long x 19/64" Diameter Galvanized Timber Spikes (DeepRoot SC Spike)	3.12
32 94 49 00-0030	EA	25" Long Cable/Zip Ties (DeepRoot SC2-Cable ties)	0.96
32 94 49 00-0031	SF	Bi/Uniaxial GeoGrid, Miragrid 2XT/ SG150 (DeepRoot SC2-GG 12-150)	0.73
32 94 49 00-0032	SF	Woven PP Geotextile Fabric (DeepRoot GT-570)	0.81
32 94 49 00-0033	EA	Strong Back, Silva Cell 2 (DeepRoot SC2-SB)	116.08
32 94 49 00-0034	LF	18" x 2' Universal Tree Root Guide (DeepRoot UB 18-2)	13.25

32 96 Transplanting *(32 90)*

See CSI section 32 94 49 00-0001 for guying.

32 96 33 Shrub Transplanting *(32 96)*

Note: Includes digging up, moving on site, digging new hole and replanting.

32 96 33 00-0001 Moving Shrubs On Site, Relocate *(32 96 33)*

Note: Includes digging up, moving on site, digging new hole and replanting. See CSI section 32 94 49 00-0001 for guying.

32 96 33 00-0002	EA	Up To 18" Root Ball, Move Shrubs On Site	85.04
		For >25 To 50, Deduct	*-8.50*
		For >50, Deduct	*-12.76*
32 96 33 00-0003	EA	>18" To 24" Root Ball, Move Shrubs On Site	115.05
		For >25 To 50, Deduct	*-11.51*
		For >50, Deduct	*-17.26*
32 96 33 00-0004	EA	>24" To 30" Root Ball, Move Shrubs On Site	195.07
		For >25 To 50, Deduct	*-19.51*
		For >50, Deduct	*-29.26*
32 96 33 00-0005	EA	>30" To 36" Root Ball, Move Shrubs On Site	300.12
		For >25 To 50, Deduct	*-30.01*
		For >50, Deduct	*-45.02*

32 96 43 Tree Transplanting *(32 96)*

Note: Includes digging up, moving on site, digging new hole and replanting.

32 96 43 00-0001 Moving Trees On Site, Relocate *(32 96 43)*

Note: Includes digging up, moving on site, digging new hole and replanting. Excludes crane where necessary for trees over 20' tall. See CSI section 01 22 23 00-0969 for crane lifting equipment, 32 94 49 00-0001 for guying.

32 96 43 00-0002	EA	Up To 24" Root Ball, Move Trees On Site	317.92
		For >5 To 10, Deduct	*-15.90*
		For >10 To 20, Deduct	*-31.79*
		For >20, Deduct	*-47.69*
32 96 43 00-0003	EA	>24" To 30" Root Ball, Move Trees On Site	436.01
		For >5 To 10, Deduct	*-21.80*
		For >10 To 20, Deduct	*-43.60*
		For >20, Deduct	*-65.40*
32 96 43 00-0004	EA	>30" To 36" Root Ball, Move Trees On Site	706.49
		For >5 To 10, Deduct	*-35.32*
		For >10 To 20, Deduct	*-70.65*
		For >20, Deduct	*-105.97*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 96 43 00-0005	EA	>36" To 48" Root Ball, Move Trees On Site	1,173.87	
		For >5 To 10, Deduct	*-58.69*	
		For >10 To 20, Deduct	*-117.39*	
		For >20, Deduct	*-176.08*	
32 96 43 00-0006	EA	>48" To 60" Root Ball, Move Trees On Site	1,907.53	
		For >5 To 10, Deduct	*-95.38*	
		For >10 To 20, Deduct	*-190.75*	
		For >20, Deduct	*-286.13*	
32 96 43 00-0007	EA	>60" To 72" Root Ball, Move Trees On Site	2,461.34	
		For >5 To 10, Deduct	*-123.07*	
		For >10 To 20, Deduct	*-246.13*	
		For >20, Deduct	*-369.20*	
32 96 43 00-0008	EA	>72" To 84" Root Ball, Move Trees On Site	3,179.22	
		For >5 To 10, Deduct	*-158.96*	
		For >10 To 20, Deduct	*-317.92*	
		For >20, Deduct	*-476.88*	
32 96 43 00-0009	EA	>84" To 96" Root Ball, Move Trees On Site	3,815.06	
		For >5 To 10, Deduct	*-190.75*	
		For >10 To 20, Deduct	*-381.51*	
		For >20, Deduct	*-572.26*	
32 96 43 00-0010	EA	>96" To 120" Root Ball, Move Trees On Site	4,335.30	
		For >5 To 10, Deduct	*-216.77*	
		For >10 To 20, Deduct	*-433.53*	
		For >20, Deduct	*-650.30*	

END OF SECTION 32

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 Utilities

Note: Buried plastic pipe and conduit includes detectable tracer wire

33 01 Operation and Maintenance of Utilities *(33)*

33 01 10 Operation and Maintenance of Water Utilities *(33 01)*

33 01 10 54 Cleaning of Water Utility Piping *(33 01 10)*

See CSI section 33 01 30 41-0012 for cleaning of water lines.

33 01 10 58 Disinfection of Water Utility Piping Systems *(33 01 10)*

33 01 10 58-0001 Water Main Disinfection/Sterilization *(33 01 10 58)*

Note: Gas chlorination. Continuous or plug method.

33 01 10 58-0002	EA	Setting Up And Removing Equipment For Water Main Disinfection/Sterilization, Gas Chlorination Method	1,123.36
33 01 10 58-0003	EA	Re-Set Up/Move Equipment For Water Main Disinfection/Sterilization, Gas Chlorination Method	561.68
33 01 10 58-0004	LF	Up To 4" Diameter Pipe Water Main Disinfection/Sterilization	0.42
		For >250 To 500, Deduct	*-0.02*
		For >500 To 1,000, Deduct	*-0.04*
		For >1,000 To 2,000, Deduct	*-0.06*
		For >2,000 To 5,000, Deduct	*-0.08*
		For >5,000, Deduct	*-0.11*
33 01 10 58-0005	LF	6" Diameter Pipe Water Main Disinfection/Sterilization	0.65
		For >250 To 500, Deduct	*-0.03*
		For >500 To 1,000, Deduct	*-0.07*
		For >1,000 To 2,000, Deduct	*-0.10*
		For >2,000 To 5,000, Deduct	*-0.13*
		For >5,000, Deduct	*-0.16*
33 01 10 58-0006	LF	8" Diameter Pipe Water Main Disinfection/Sterilization	0.85
		For >250 To 500, Deduct	*-0.04*
		For >500 To 1,000, Deduct	*-0.09*
		For >1,000 To 2,000, Deduct	*-0.13*
		For >2,000 To 5,000, Deduct	*-0.17*
		For >5,000, Deduct	*-0.21*
33 01 10 58-0007	LF	10" Diameter Pipe Water Main Disinfection/Sterilization	0.99
		For >250 To 500, Deduct	*-0.05*
		For >500 To 1,000, Deduct	*-0.10*
		For >1,000 To 2,000, Deduct	*-0.15*
		For >2,000 To 5,000, Deduct	*-0.20*
		For >5,000, Deduct	*-0.25*
33 01 10 58-0008	LF	12" Diameter Pipe Water Main Disinfection/Sterilization	1.29
		For >250 To 500, Deduct	*-0.06*
		For >500 To 1,000, Deduct	*-0.13*
		For >1,000 To 2,000, Deduct	*-0.19*
		For >2,000 To 5,000, Deduct	*-0.26*
		For >5,000, Deduct	*-0.32*
33 01 10 58-0009	LF	>12" To 16" Diameter Pipe Water Main Disinfection/Sterilization	1.47
		For >250 To 500, Deduct	*-0.07*
		For >500 To 1,000, Deduct	*-0.15*
		For >1,000 To 2,000, Deduct	*-0.22*
		For >2,000 To 5,000, Deduct	*-0.29*
		For >5,000, Deduct	*-0.37*
33 01 10 58-0010	LF	>16" To 24" Diameter Pipe Water Main Disinfection/Sterilization	1.68
		For >250 To 500, Deduct	*-0.08*
		For >500 To 1,000, Deduct	*-0.17*
		For >1,000 To 2,000, Deduct	*-0.25*
		For >2,000 To 5,000, Deduct	*-0.34*
		For >5,000, Deduct	*-0.42*
33 01 10 58-0011	LF	>24" To 30" Diameter Pipe Water Main Disinfection/Sterilization	1.98
		For >250 To 500, Deduct	*-0.10*
		For >500 To 1,000, Deduct	*-0.20*
		For >1,000 To 2,000, Deduct	*-0.30*
		For >2,000 To 5,000, Deduct	*-0.40*
		For >5,000, Deduct	*-0.50*
33 01 10 58-0012	LF	>30" To 42" Diameter Pipe Water Main Disinfection/Sterilization	2.55
		For >250 To 500, Deduct	*-0.13*
		For >500 To 1,000, Deduct	*-0.26*
		For >1,000 To 2,000, Deduct	*-0.38*
		For >2,000 To 5,000, Deduct	*-0.51*
		For >5,000, Deduct	*-0.64*
33 01 10 58-0013	LF	>42" To 60" Diameter Pipe Water Main Disinfection/Sterilization	3.75
		For >250 To 500, Deduct	*-0.19*
		For >500 To 1,000, Deduct	*-0.38*
		For >1,000 To 2,000, Deduct	*-0.56*
		For >2,000 To 5,000, Deduct	*-0.75*
		For >5,000, Deduct	*-0.94*
33 01 10 58-0014	LF	>60" Diameter Pipe Water Main Disinfection/Sterilization	5.18
		For >250 To 500, Deduct	*-0.26*
		For >500 To 1,000, Deduct	*-0.52*
		For >1,000 To 2,000, Deduct	*-0.78*
		For >2,000 To 5,000, Deduct	*-1.04*
		For >5,000, Deduct	*-1.30*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 01 10 71 Relining Water Utilities Pipelines *(33 01 10)*

See CSI section 33 01 30 71-0000 for relining water pipelines.

33 01 10 71-0001 Relining Underground Water Pipelines *(33 01 10 71)*

Note: Excludes costs for CCTV inspection, pipe cleaning, pavement; temporary and permanent, emergency after hour response for owners' backups.

33 01 10 71-0002 Relining Underground Water Pipelines Set-Up And Reinsertion *(33 01 10 71-0001)*

33 01 10 71-0003	EA	Initial Set Up And Final Equipment Removal For Relining Underground Water Pipelines	5,425.46
33 01 10 71-0004	EA	Move And Reset Up At Different Access/Location	2,170.19

33 01 10 71-0005 Lining Pipe With Cement *(33 01 10 71-0001)*

33 01 10 71-0006	LF	Up To 500', 4" Pipe, 1/8" Pipe Lining With Cement	65.25
		For 3/16" Thickness, Add	*1.31*
		For 1/4" Thickness, Add	*2.62*
33 01 10 71-0007	LF	>500' To 1,000', 4" Pipe, 1/8" Pipe Lining With Cement	58.18
		For 3/16" Thickness, Add	*1.31*
		For 1/4" Thickness, Add	*2.62*
33 01 10 71-0008	LF	>1,000' To 5,000', 4" Pipe, 1/8" Pipe Lining With Cement	48.70
		For 3/16" Thickness, Add	*1.31*
		For 1/4" Thickness, Add	*2.62*
33 01 10 71-0009	LF	>5,000', 4" Pipe, 1/8" Pipe Lining With Cement	36.80
		For 3/16" Thickness, Add	*1.31*
		For 1/4" Thickness, Add	*2.62*
33 01 10 71-0010	LF	Up To 500', 6" Pipe, 1/8" Pipe Lining With Cement	68.18
		For 3/16" Thickness, Add	*1.96*
		For 1/4" Thickness, Add	*3.92*
33 01 10 71-0011	LF	>500' To 1,000', 6" Pipe, 1/8" Pipe Lining With Cement	60.83
		For 3/16" Thickness, Add	*1.96*
		For 1/4" Thickness, Add	*3.92*
33 01 10 71-0012	LF	>1,000' To 5,000', 6" Pipe, 1/8" Pipe Lining With Cement	51.03
		For 3/16" Thickness, Add	*1.96*
		For 1/4" Thickness, Add	*3.92*
33 01 10 71-0013	LF	>5,000', 6" Pipe, 1/8" Pipe Lining With Cement	38.97
		For 3/16" Thickness, Add	*1.96*
		For 1/4" Thickness, Add	*3.92*
33 01 10 71-0014	LF	Up To 500', 8" Pipe, 1/8" Pipe Lining With Cement	71.00
		For 3/16" Thickness, Add	*2.61*
		For 1/4" Thickness, Add	*5.22*
33 01 10 71-0015	LF	>500' To 1,000', 8" Pipe, 1/8" Pipe Lining With Cement	63.49
		For 3/16" Thickness, Add	*2.61*
		For 1/4" Thickness, Add	*5.22*
33 01 10 71-0016	LF	>1,000' To 5,000', 8" Pipe, 1/8" Pipe Lining With Cement	53.36
		For 3/16" Thickness, Add	*2.61*
		For 1/4" Thickness, Add	*5.22*
33 01 10 71-0017	LF	>5,000', 8" Pipe, 1/8" Pipe Lining With Cement	41.13
		For 3/16" Thickness, Add	*2.61*
		For 1/4" Thickness, Add	*5.22*
33 01 10 71-0018	LF	Up To 500', 10" Pipe, 1/8" Pipe Lining With Cement	73.24
		For 3/16" Thickness, Add	*3.28*
		For 1/4" Thickness, Add	*6.55*
33 01 10 71-0019	LF	>500' To 1,000', 10" Pipe, 1/8" Pipe Lining With Cement	65.62
		For 3/16" Thickness, Add	*3.28*
		For 1/4" Thickness, Add	*6.55*
33 01 10 71-0020	LF	>1,000' To 5,000', 10" Pipe, 1/8" Pipe Lining With Cement	55.33
		For 3/16" Thickness, Add	*3.28*
		For 1/4" Thickness, Add	*6.55*
33 01 10 71-0021	LF	>5,000', 10" Pipe, 1/8" Pipe Lining With Cement	43.33
		For 3/16" Thickness, Add	*3.28*
		For 1/4" Thickness, Add	*6.55*
33 01 10 71-0022	LF	Up To 500', 12" Pipe, 1/8" Pipe Lining With Cement	79.36
		For 3/16" Thickness, Add	*3.93*
		For 1/4" Thickness, Add	*7.85*
33 01 10 71-0023	LF	>500' To 1,000', 12" Pipe, 1/8" Pipe Lining With Cement	71.25
		For 3/16" Thickness, Add	*3.93*
		For 1/4" Thickness, Add	*7.85*
33 01 10 71-0024	LF	>1,000' To 5,000', 12" Pipe, 1/8" Pipe Lining With Cement	60.31
		For 3/16" Thickness, Add	*3.93*
		For 1/4" Thickness, Add	*7.85*
33 01 10 71-0025	LF	>5,000', 12" Pipe, 1/8" Pipe Lining With Cement	47.33
		For 3/16" Thickness, Add	*3.93*
		For 1/4" Thickness, Add	*7.85*
33 01 10 71-0026	LF	Up To 500', >12" To 16" Pipe, 3/16" Pipe Lining With Cement	86.77
		For 1/4" Thickness, Add	*4.37*
		For 5/16" Thickness, Add	*8.73*
33 01 10 71-0027	LF	>500' To 1,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement	78.36
		For 1/4" Thickness, Add	*4.37*
		For 5/16" Thickness, Add	*8.73*
33 01 10 71-0028	LF	>1,000' To 5,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement	66.98
		For 1/4" Thickness, Add	*4.37*
		For 5/16" Thickness, Add	*8.73*
33 01 10 71-0029	LF	>5,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement	54.53
		For 1/4" Thickness, Add	*4.37*
		For 5/16" Thickness, Add	*8.73*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 10 71-0030	LF	Up To 500', >16" To 20" Pipe, 3/16" Pipe Lining With Cement	91.52	
		For 1/4" Thickness, Add	*5.23*	
		For 5/16" Thickness, Add	*10.46*	
33 01 10 71-0031	LF	>500' To 1,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement	82.86	
		For 1/4" Thickness, Add	*5.23*	
		For 5/16" Thickness, Add	*10.46*	
33 01 10 71-0032	LF	>1,000' To 5,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement	71.07	
		For 1/4" Thickness, Add	*5.23*	
		For 5/16" Thickness, Add	*10.46*	
33 01 10 71-0033	LF	>5,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement	59.29	
		For 1/4" Thickness, Add	*5.23*	
		For 5/16" Thickness, Add	*10.46*	
33 01 10 71-0034	LF	Up To 500', >20" To 22" Pipe, 3/16" Pipe Lining With Cement	97.30	
		For 1/4" Thickness, Add	*6.11*	
		For 5/16" Thickness, Add	*12.21*	
33 01 10 71-0035	LF	>500' To 1,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement	88.33	
		For 1/4" Thickness, Add	*6.11*	
		For 5/16" Thickness, Add	*12.21*	
33 01 10 71-0036	LF	>1,000' To 5,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement	75.98	
		For 1/4" Thickness, Add	*6.11*	
		For 5/16" Thickness, Add	*12.21*	
33 01 10 71-0037	LF	>5,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement	64.95	
		For 1/4" Thickness, Add	*6.11*	
		For 5/16" Thickness, Add	*12.21*	
33 01 10 71-0038	LF	Up To 500', 24" Pipe, 3/16" Pipe Lining With Cement	103.15	
		For 1/4" Thickness, Add	*6.98*	
		For 5/16" Thickness, Add	*13.96*	
33 01 10 71-0039	LF	>500' To 1,000', 24" Pipe, 3/16" Pipe Lining With Cement	93.82	
		For 1/4" Thickness, Add	*6.98*	
		For 5/16" Thickness, Add	*13.96*	
33 01 10 71-0040	LF	>1,000' To 5,000', 24" Pipe, 3/16" Pipe Lining With Cement	81.09	
		For 1/4" Thickness, Add	*6.98*	
		For 5/16" Thickness, Add	*13.96*	
33 01 10 71-0041	LF	>5,000', 24" Pipe, 3/16" Pipe Lining With Cement	70.81	
		For 1/4" Thickness, Add	*6.98*	
		For 5/16" Thickness, Add	*13.96*	
33 01 10 71-0042	LF	Up To 500', 30" Pipe, 3/16" Pipe Lining With Cement	111.52	
		For 1/4" Thickness, Add	*8.72*	
		For 5/16" Thickness, Add	*17.45*	
33 01 10 71-0043	LF	>500' To 1,000', 30" Pipe, 3/16" Pipe Lining With Cement	101.65	
		For 1/4" Thickness, Add	*8.72*	
		For 5/16" Thickness, Add	*17.45*	
33 01 10 71-0044	LF	>1,000' To 5,000', 30" Pipe, 3/16" Pipe Lining With Cement	88.15	
		For 1/4" Thickness, Add	*8.72*	
		For 5/16" Thickness, Add	*17.45*	
33 01 10 71-0045	LF	>5,000', 30" Pipe, 3/16" Pipe Lining With Cement	77.77	
		For 1/4" Thickness, Add	*8.72*	
		For 5/16" Thickness, Add	*17.45*	
33 01 10 71-0046	LF	Up To 500', 36" Pipe, 3/16" Pipe Lining With Cement	119.79	
		For 1/4" Thickness, Add	*10.47*	
		For 5/16" Thickness, Add	*20.94*	
33 01 10 71-0047	LF	500' To 1,000', 36" Pipe, 3/16" Pipe Lining With Cement	109.48	
		For 1/4" Thickness, Add	*10.47*	
		For 5/16" Thickness, Add	*20.94*	
33 01 10 71-0048	LF	>1,000' To 5,000', 36" Pipe, 3/16" Pipe Lining With Cement	95.24	
		For 1/4" Thickness, Add	*10.47*	
		For 5/16" Thickness, Add	*20.94*	
33 01 10 71-0049	LF	>5,000', 36" Pipe, 3/16" Pipe Lining With Cement	84.74	
		For 1/4" Thickness, Add	*10.47*	
		For 5/16" Thickness, Add	*20.94*	
33 01 10 71-0050	LF	Up To 500', 42" Pipe, 1/4" Pipe Lining With Cement	151.57	
		For 3/8" Thickness, Add	*27.48*	
		For 7/16" Thickness, Add	*41.22*	
33 01 10 71-0051	LF	>500' To 1,000', 42" Pipe, 1/4" Pipe Lining With Cement	140.33	
		For 3/8" Thickness, Add	*27.48*	
		For 7/16" Thickness, Add	*41.22*	
33 01 10 71-0052	LF	>1,000' To 5,000', 42" Pipe, 1/4" Pipe Lining With Cement	124.84	
		For 3/8" Thickness, Add	*27.48*	
		For 7/16" Thickness, Add	*41.22*	
33 01 10 71-0053	LF	>5,000', 42" Pipe, 1/4" Pipe Lining With Cement	114.02	
		For 3/8" Thickness, Add	*27.48*	
		For 7/16" Thickness, Add	*41.22*	
33 01 10 71-0054	LF	Up To 500', 48" Pipe, 1/4" Pipe Lining With Cement	167.51	
		For 3/8" Thickness, Add	*31.40*	
		For 7/16" Thickness, Add	*47.10*	
33 01 10 71-0055	LF	>500' To 1,000', 48" Pipe, 1/4" Pipe Lining With Cement	155.50	
		For 3/8" Thickness, Add	*31.40*	
		For 7/16" Thickness, Add	*47.10*	
33 01 10 71-0056	LF	>1,000' To 5,000', 48" Pipe, 1/4" Pipe Lining With Cement	138.85	
		For 3/8" Thickness, Add	*31.40*	
		For 7/16" Thickness, Add	*47.10*	
33 01 10 71-0057	LF	>5,000', 48" Pipe, 1/4" Pipe Lining With Cement	127.81	
		For 3/8" Thickness, Add	*31.40*	
		For 7/16" Thickness, Add	*47.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 10 71-0058	LF	Up To 500', 54" Pipe, 1/4" Pipe Lining With Cement	177.31	
		For 3/8" Thickness, Add	*35.33*	
		For 7/16" Thickness, Add	*52.99*	
33 01 10 71-0059	LF	>500' To 1,000', 54" Pipe, 1/4" Pipe Lining With Cement	165.03	
		For 3/8" Thickness, Add	*35.33*	
		For 7/16" Thickness, Add	*52.99*	
33 01 10 71-0060	LF	>1,000' To 5,000', 54" Pipe, 1/4" Pipe Lining With Cement	148.00	
		For 3/8" Thickness, Add	*35.33*	
		For 7/16" Thickness, Add	*52.99*	
33 01 10 71-0061	LF	>5,000', 54" Pipe, 1/4" Pipe Lining With Cement	137.40	
		For 3/8" Thickness, Add	*35.33*	
		For 7/16" Thickness, Add	*52.99*	
33 01 10 71-0062	LF	Up To 500', 60" Pipe, 1/4" Pipe Lining With Cement	187.13	
		For 3/8" Thickness, Add	*39.26*	
		For 7/16" Thickness, Add	*58.89*	
33 01 10 71-0063	LF	>500' To 1,000', 60" Pipe, 1/4" Pipe Lining With Cement	174.63	
		For 3/8" Thickness, Add	*39.26*	
		For 7/16" Thickness, Add	*58.89*	
33 01 10 71-0064	LF	>1,000' To 5,000', 60" Pipe, 1/4" Pipe Lining With Cement	157.28	
		For 3/8" Thickness, Add	*39.26*	
		For 7/16" Thickness, Add	*58.89*	
33 01 10 71-0065	LF	>5,000', 60" Pipe, 1/4" Pipe Lining With Cement	147.00	
		For 3/8" Thickness, Add	*39.26*	
		For 7/16" Thickness, Add	*58.89*	
33 01 10 71-0066	LF	Up To 500', 66" Pipe, 1/4" Pipe Lining With Cement	197.25	
		For 3/8" Thickness, Add	*43.19*	
		For 7/16" Thickness, Add	*64.78*	
33 01 10 71-0067	LF	>500' To 1,000', 66" Pipe, 1/4" Pipe Lining With Cement	184.48	
		For 3/8" Thickness, Add	*43.19*	
		For 7/16" Thickness, Add	*64.78*	
33 01 10 71-0068	LF	>1,000' To 5,000', 66" Pipe, 1/4" Pipe Lining With Cement	166.85	
		For 3/8" Thickness, Add	*43.19*	
		For 7/16" Thickness, Add	*64.78*	
33 01 10 71-0069	LF	>5,000', 66" Pipe, 1/4" Pipe Lining With Cement	157.33	
		For 3/8" Thickness, Add	*43.19*	
		For 7/16" Thickness, Add	*64.78*	
33 01 10 71-0070	LF	Up To 500', 72" Pipe, 1/4" Pipe Lining With Cement	207.81	
		For 3/8" Thickness, Add	*47.11*	
		For 7/16" Thickness, Add	*70.67*	
33 01 10 71-0071	LF	>500' To 1,000', 72" Pipe, 1/4" Pipe Lining With Cement	194.83	
		For 3/8" Thickness, Add	*47.11*	
		For 7/16" Thickness, Add	*70.67*	
33 01 10 71-0072	LF	>1,000' To 5,000', 72" Pipe, 1/4" Pipe Lining With Cement	176.76	
		For 3/8" Thickness, Add	*47.11*	
		For 7/16" Thickness, Add	*70.67*	
33 01 10 71-0073	LF	>5,000', 72" Pipe, 1/4" Pipe Lining With Cement	167.78	
		For 3/8" Thickness, Add	*47.11*	
		For 7/16" Thickness, Add	*70.67*	

33 01 10 71-0074 Lining Pipe With Epoxy *(33 01 10 71-0001)*

33 01 10 71-0075	LF	Up To 500', 4" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	61.05
33 01 10 71-0076	LF	>500' To 1,000', 4" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	54.55
33 01 10 71-0077	LF	>1,000' To 5,000', 4" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	45.81
33 01 10 71-0078	LF	>5,000', 4" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	41.45
33 01 10 71-0079	LF	Up To 500', 6" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	64.22
33 01 10 71-0080	LF	>500' To 1,000', 6" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	57.48
33 01 10 71-0081	LF	>1,000' To 5,000', 6" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	48.46
33 01 10 71-0082	LF	>5,000', 6" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	43.92
33 01 10 71-0083	LF	Up To 500', 8" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	67.32
33 01 10 71-0084	LF	>500' To 1,000', 8" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	60.43
33 01 10 71-0085	LF	>1,000' To 5,000', 8" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	51.09
33 01 10 71-0086	LF	>5,000', 8" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	46.50
33 01 10 71-0087	LF	Up To 500', 10" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	64.30
33 01 10 71-0088	LF	>500' To 1,000', 10" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	62.87
33 01 10 71-0089	LF	>1,000' To 5,000', 10" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	53.43
33 01 10 71-0090	LF	>5,000', 10" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	48.74
33 01 10 71-0091	LF	Up To 500', 12" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	76.02
33 01 10 71-0092	LF	>500' To 1,000', 12" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	68.56
33 01 10 71-0093	LF	>1,000' To 5,000', 12" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	58.49
33 01 10 71-0094	LF	>5,000', 12" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	53.41
33 01 10 71-0095	LF	Up To 500', >12" To 16" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	80.61
33 01 10 71-0096	LF	>500' To 1,000', >12" To 16" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	72.85
33 01 10 71-0097	LF	>1,000' To 5,000', >12" To 16" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	62.38
33 01 10 71-0098	LF	>5,000', >12" To 16" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	57.09
33 01 10 71-0099	LF	Up To 500', >16" To 20" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	85.09
33 01 10 71-0100	LF	>500' To 1,000', >16" To 20" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	77.13
33 01 10 71-0101	LF	1,000' To 5,000', >16" To 20" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	66.30
33 01 10 71-0102	LF	>5,000', >16" To 20" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	60.82
33 01 10 71-0103	LF	Up To 500', >20" To 22" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	90.59
33 01 10 71-0104	LF	>500' To 1,000', >20" To 22" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	82.31
33 01 10 71-0105	LF	>1,000' To 5,000', >20" To 22" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	70.96
33 01 10 71-0106	LF	>5,000', >20" To 22" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	65.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 10 71-0107	LF	Up To 500', 24" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	96.10	
33 01 10 71-0108	LF	>500' To 1,000', 24" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	87.52	
33 01 10 71-0109	LF	>1,000' To 5,000', 24" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	75.80	
33 01 10 71-0110	LF	>5,000', 24" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	69.94	
33 01 10 71-0111	LF	Up To 500', 30" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	104.11	
33 01 10 71-0112	LF	>500' To 1,000', 30" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	95.01	
33 01 10 71-0113	LF	>1,000' To 5,000', 30" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	82.62	
33 01 10 71-0114	LF	>5,000', 30" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	76.34	
33 01 10 71-0115	LF	Up To 500', 36" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	112.02	
33 01 10 71-0116	LF	>500' To 1,000', 36" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	102.53	
33 01 10 71-0117	LF	>1,000' To 5,000', 36" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	89.43	
33 01 10 71-0118	LF	>5,000', 36" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	82.93	
33 01 10 71-0119	LF	Up To 500', 42" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	124.70	
33 01 10 71-0120	LF	>500' To 1,000', 42" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	114.36	
33 01 10 71-0121	LF	>1,000' To 5,000', 42" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	100.12	
33 01 10 71-0122	LF	>5,000', 42" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	93.07	
33 01 10 71-0123	LF	Up To 500', 48" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	137.31	
33 01 10 71-0124	LF	>500' To 1,000', 48" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	126.24	
33 01 10 71-0125	LF	>1,000' To 5,000', 48" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	110.94	
33 01 10 71-0126	LF	>5,000', 48" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	103.37	
33 01 10 71-0127	LF	Up To 500', 54" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	144.20	
33 01 10 71-0128	LF	>500' To 1,000', 54" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	132.90	
33 01 10 71-0129	LF	>1,000' To 5,000', 54" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	117.23	
33 01 10 71-0130	LF	>5,000', 54" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	109.46	
33 01 10 71-0131	LF	Up To 500', 60" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	151.07	
33 01 10 71-0132	LF	>500' To 1,000', 60" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	139.59	
33 01 10 71-0133	LF	>1,000' To 5,000', 60" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	123.61	
33 01 10 71-0134	LF	>5,000', 60" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	115.35	

33 01 10 71-0135 Water House Connection *(33 01 10 71-0001)*

33 01 10 71-0136	EA	Blow Out Line To Water House Connection After Lining	56.17	

33 01 10 71-0137 Lining Pipe With Resin Impregnated CIPP/ Cured In-Place Pipe Structural Potable Watermain Lining *(33 01 10 71)*

Note: CIPP/ Cured in-place pipe lining excludes the following: excavation of access pits, excavation for temporary water connections for services between 1" to 12" diameter, temporary bypass, CCTV inspection, pipe cleaning, pressure testing, any water main appurtenances and required water main connections, reinstating service connecgtions, soft and hard restorations, emergency after hours response for residents. All Excluded Items require additional payment. To comply with this specification: the CIPP lining must: (i) be NSF 61 approved for use in potable / drinking water and meet standards of a Class IV structural liner; (ii) be fully structural liner according to the AWWA M28 Manual or ASTM F1216-09, ASTM F1743-08, ASTM F2994-18 or ASTM F2019-03(2009) and sized properly to ensure tight fit between liner and host pipe; (iii) be able to be hot-tapped (live tapped); (iv) require no additional seals or fittings to achieve adhesion to the host main; (v) have an internal design pressure of 150psi; (vi) the water service connections shall be reinstated from inside of the line pipe, using a mechanical robot equipped with a camera and activated by an operator using a remote control and television unit; (vii) the inside diameter of the watermain to be lined shall be accurately measured thoughout the length of the lining run using a suitable device such as a laser measuring device that will travel along the inside of the exisitng watermain and the final installed liner shall leave no gap or annular space between the liner and the watermain at any location around the perimeter of the watermain along the full length; (viii) the service shall be opened to the full pre-existing flow opening size, including the removal of any resin slugging in or up the service connection that will impede flow; and (ix) after opening the connections, the lined watermain shall be flushed clean, disinfected and restored to service. (x) the general contractor (or installer) must have a minimum of five-years of potable CIPP lining experience and have previously installed a minimum of 100,000 ft of potable CIPP lining in compliance with the preceding items (i)-(ix). If unable to reinstate a service connection from the inside, a suitable excavation will be required to access the main stop and to disconnect the existing copper pipe and reconnect the copper piping with the Contract Administrator's approved fittings. See CSI section 31 23 16 00-0000 for excavation, 33 01 10 54-0000 for watermain pipe cleaning.

33 01 10 71-0138 Relining Underground Pipelines Set-Up And Reinsertion For CIPP *(33 01 10 71-0137)*

33 01 10 71-0139	EA	Initial Set Up And Final Equipment Removal For Relining 4" To 12" Watermain Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,627.64	
33 01 10 71-0140	EA	Initial Set Up And Final Equipment Removal For Relining > 12" To 24" Watermain Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,712.74	
33 01 10 71-0141	EA	Move And Reset Up At Different Access/Location For Relining 4" To 12" Watermain Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	813.82	
33 01 10 71-0142	EA	Move And Reset Up At Different Access/Location For Relining >12" To 24" Watermain Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,356.36	

33 01 10 71-0143 CIPP Structural Potable Watermain Lining *(33 01 10 71-0137)*

33 01 10 71-0144	LF	6mm Lining 4" Watermain Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	34.32	
		For >10 To 25, Add	*26.90*	
		For >25 To 50, Add	*17.45*	
		For >50 To 100, Add	*8.72*	
		For >500 To 1,000, Deduct	*-1.13*	
		For >1,000 To 2,000, Deduct	*-2.06*	
		For >2,000 To 5,000, Deduct	*-3.20*	
		For >5,000, Deduct	*-5.06*	
		For 7.5mm Liner Thickness, Add	*6.46*	
		For 9mm Liner Thickness, Add	*12.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 10 71-0145	LF	6mm Lining 6" Watermain Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	48.51	
		For >10 To 25, Add	*31.05*	
		For >25 To 50, Add	*20.64*	
		For >50 To 100, Add	*10.32*	
		For >500 To 1,000, Deduct	*-1.43*	
		For >1,000 To 2,000, Deduct	*-2.66*	
		For >2,000 To 5,000, Deduct	*-4.09*	
		For >5,000, Deduct	*-6.53*	
		For 7.5mm Liner Thickness, Add	*9.90*	
		For 9mm Liner Thickness, Add	*19.75*	
33 01 10 71-0146	LF	6mm Lining 8" Watermain Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	63.10	
		For >10 To 25, Add	*36.23*	
		For >25 To 50, Add	*24.44*	
		For >50 To 100, Add	*12.22*	
		For >500 To 1,000, Deduct	*-1.76*	
		For >1,000 To 2,000, Deduct	*-3.30*	
		For >2,000 To 5,000, Deduct	*-5.06*	
		For >5,000, Deduct	*-8.13*	
		For 7.5mm Liner Thickness, Add	*13.34*	
		For 9mm Liner Thickness, Add	*26.61*	
33 01 10 71-0147	LF	6mm Lining 10" Watermain Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	77.82	
		For >10 To 25, Add	*41.73*	
		For >25 To 50, Add	*28.43*	
		For >50 To 100, Add	*14.22*	
		For >500 To 1,000, Deduct	*-2.10*	
		For >1,000 To 2,000, Deduct	*-3.95*	
		For >2,000 To 5,000, Deduct	*-6.06*	
		For >5,000, Deduct	*-9.76*	
		For 7.5mm Liner Thickness, Add	*16.77*	
		For 9mm Liner Thickness, Add	*33.46*	
33 01 10 71-0148	LF	6mm Lining 12" Watermain Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	92.69	
		For >10 To 25, Add	*47.59*	
		For >25 To 50, Add	*32.64*	
		For >50 To 100, Add	*16.32*	
		For >500 To 1,000, Deduct	*-2.45*	
		For >1,000 To 2,000, Deduct	*-4.63*	
		For >2,000 To 5,000, Deduct	*-7.08*	
		For >5,000, Deduct	*-11.44*	
		For 7.5mm Liner Thickness, Add	*20.21*	
		For 9mm Liner Thickness, Add	*40.31*	
33 01 10 71-0149	LF	6mm Lining 14" Watermain Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	108.10	
		For >10 To 25, Add	*54.81*	
		For >25 To 50, Add	*37.68*	
		For >50 To 100, Add	*18.84*	
		For >500 To 1,000, Deduct	*-2.84*	
		For >1,000 To 2,000, Deduct	*-5.37*	
		For >2,000 To 5,000, Deduct	*-8.22*	
		For >5,000, Deduct	*-13.28*	
		For 7.5mm Liner Thickness, Add	*23.64*	
		For 9mm Liner Thickness, Add	*47.17*	
		For 10.5mm Liner Thickness, Add	*70.57*	
		For 12mm Liner Thickness, Add	*93.85*	
		For 13.5mm Liner Thickness, Add	*117.02*	
		For 15mm Liner Thickness, Add	*140.06*	
33 01 10 71-0150	LF	6mm Lining 16" Watermain Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	122.82	
		For >10 To 25, Add	*60.32*	
		For >25 To 50, Add	*41.67*	
		For >50 To 100, Add	*20.84*	
		For >500 To 1,000, Deduct	*-3.18*	
		For >1,000 To 2,000, Deduct	*-6.03*	
		For >2,000 To 5,000, Deduct	*-9.21*	
		For >5,000, Deduct	*-14.91*	
		For 7.5mm Liner Thickness, Add	*27.08*	
		For 9mm Liner Thickness, Add	*54.02*	
		For 10.5mm Liner Thickness, Add	*80.82*	
		For 12mm Liner Thickness, Add	*107.49*	
		For 13.5mm Liner Thickness, Add	*134.02*	
		For 15mm Liner Thickness, Add	*160.41*	
33 01 10 71-0151	LF	6mm Lining 18" Watermain Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	139.17	
		For >10 To 25, Add	*69.89*	
		For >25 To 50, Add	*48.11*	
		For >50 To 100, Add	*24.06*	
		For >500 To 1,000, Deduct	*-3.64*	
		For >1,000 To 2,000, Deduct	*-6.89*	
		For >2,000 To 5,000, Deduct	*-10.53*	
		For >5,000, Deduct	*-17.04*	
		For 7.5mm Liner Thickness, Add	*30.51*	
		For 9mm Liner Thickness, Add	*60.87*	
		For 10.5mm Liner Thickness, Add	*91.07*	
		For 12mm Liner Thickness, Add	*121.12*	
		For 13.5mm Liner Thickness, Add	*151.01*	
		For 15mm Liner Thickness, Add	*180.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 10 71-0152	LF	6mm Lining 20" Watermain Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	154.58	
		For >10 To 25, Add	*77.10*	
		For >25 To 50, Add	*53.13*	
		For >50 To 100, Add	*26.57*	
		For >500 To 1,000, Deduct	*-4.03*	
		For >1,000 To 2,000, Deduct	*-7.64*	
		For >2,000 To 5,000, Deduct	*-11.67*	
		For >5,000, Deduct	*-18.88*	
		For 7.5mm Liner Thickness, Add	*33.95*	
		For 9mm Liner Thickness, Add	*67.73*	
		For 10.5mm Liner Thickness, Add	*101.33*	
		For 12mm Liner Thickness, Add	*134.77*	
		For 13.5mm Liner Thickness, Add	*168.03*	
		For 15mm Liner Thickness, Add	*201.12*	
33 01 10 71-0153	LF	6mm Lining 24" Watermain Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	184.98	
		For >10 To 25, Add	*90.50*	
		For >25 To 50, Add	*62.57*	
		For >50 To 100, Add	*31.28*	
		For >500 To 1,000, Deduct	*-4.78*	
		For >1,000 To 2,000, Deduct	*-9.07*	
		For >2,000 To 5,000, Deduct	*-13.85*	
		For >5,000, Deduct	*-22.43*	
		For 7.5mm Liner Thickness, Add	*40.82*	
		For 9mm Liner Thickness, Add	*81.43*	
		For 10.5mm Liner Thickness, Add	*121.83*	
		For 12mm Liner Thickness, Add	*162.04*	
		For 13.5mm Liner Thickness, Add	*202.03*	
		For 15mm Liner Thickness, Add	*241.82*	
		For 16.5mm Liner Thickness, Add	*281.39*	
		For 18mm Liner Thickness, Add	*320.77*	
		For 19.5mm Liner Thickness, Add	*359.95*	
		For 21mm Liner Thickness, Add	*398.91*	
		For 22.5mm Liner Thickness, Add	*437.67*	
		For 24mm Liner Thickness, Add	*476.23*	
		For 27mm Liner Thickness, Add	*552.71*	
33 01 10 71-0154	EA	4" Watermain Pipe Reinstate Service Connection	304.31	
33 01 10 71-0155	EA	6" Watermain Pipe Reinstate Service Connection	337.70	
33 01 10 71-0156	EA	8" Watermain Pipe Reinstate Service Connection	408.27	
33 01 10 71-0157	EA	10" Watermain Pipe Reinstate Service Connection	460.27	
33 01 10 71-0158	EA	12" Watermain Pipe Reinstate Service Connection	512.26	
33 01 10 71-0159	EA	16" Watermain Pipe Reinstate Service Connection	606.94	
33 01 10 71-0160	EA	18" Watermain Pipe Reinstate Service Connection	701.60	
33 01 10 71-0161	EA	20" Watermain Pipe Reinstate Service Connection	796.28	
33 01 10 71-0162	EA	24" Watermain Pipe Reinstate Service Connection	924.35	
33 01 10 71-0163	LF	Up To 14" Diameter, Pressure Testing CIPP Lined Watermain	11.69	
33 01 10 71-0164	LF	>14" To 20" Diameter, Pressure Testing CIPP Lined Watermain	13.35	
33 01 10 71-0165	LF	>20" To 24" Diameter, Pressure Testing CIPP Lined Watermain	16.70	
33 01 10 71-0166	LF	Up To 12" Diameter CCTV Pre/Post CIPP Lining Video Inspection	3.38	
		For >500 To 1,000, Deduct	*-0.34*	
		For >1,000 To 5,000, Deduct	*-0.85*	
		For >5,000, Deduct	*-1.18*	
33 01 10 71-0167	LF	>12" To 24" Diameter CCTV Pre/Post CIPP Lining Video Inspection	4.23	
		For >500 To 1,000, Deduct	*-0.42*	
		For >1,000 To 5,000, Deduct	*-1.06*	
		For >5,000, Deduct	*-1.48*	

33 01 10 71-0168 Potable Temporary Above Ground Watermain *(33 01 10 71-0137)*

33 01 10 71-0169	LF	2" Temporary Bypass Watermain Piping Note: Includes removal after use.	6.76	
		For >500 To 1,000, Deduct	*-0.45*	
		For >1,000 To 5,000, Deduct	*-0.90*	
		For >5,000, Deduct	*-1.50*	
33 01 10 71-0170	LF	4" Temporary Bypass Watermain Piping Note: Includes removal after use.	8.59	
		For >500 To 1,000, Deduct	*-0.58*	
		For >1,000 To 5,000, Deduct	*-1.16*	
		For >5,000, Deduct	*-1.93*	
33 01 10 71-0171	LF	6" Temporary Bypass Watermain Piping Note: Includes removal after use.	10.80	
		For >500 To 1,000, Deduct	*-0.67*	
		For >1,000 To 5,000, Deduct	*-1.35*	
		For >5,000, Deduct	*-2.25*	
33 01 10 71-0172	EA	Up To 1" Diameter, Temporary Bypass Service Connection	35.89	
33 01 10 71-0173	EA	>1" To 2" Diameter, Temporary Bypass Service Connection	59.29	
33 01 10 71-0174	EA	>2" To 4" Diameter, Temporary Bypass Service Connection	113.18	
33 01 10 71-0175	EA	>4" To 6" Diameter, Temporary Bypass Service Connection	137.18	
33 01 10 71-0176	EA	>6" To 12" Diameter, Temporary Bypass Service Connection	377.27	
33 01 10 71-0177	LF	Excavation For Temporary Water Connections For Services Between 1" To 12" Diameter	4.45	
		For Up To 20, Add	*4.45*	
		For >20 To 50, Add	*3.34*	
		For >50 To 250, Add	*1.78*	
		For >250 To 500, Add	*0.67*	
		For >1,000, Deduct	*-0.67*	
33 01 10 71-0178	LF	GPS Mapping (XYZ Plan and Profile)	4.09	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 01 20 Operation and Maintenance of Wells *(33 01)*

33 01 20 00-0001 Pull Submersible Well Pumps For Repair *(33 01 20)*
Note: Includes cleaning.

33 01 20 00-0002	EA	Up To 100' Depth, Pull Submersible Well Pumps For Repair Note: Includes reinstallation after repair.	95.48
33 01 20 00-0003	EA	>100 To 200' Depth, Pull Submersible Well Pumps For Repair Note: Includes reinstallation after repair.	127.31
33 01 20 00-0004	EA	>200 To 300' Depth, Pull Submersible Well Pumps For Repair Note: Includes reinstallation after repair.	165.49
33 01 20 00-0005	EA	>300 To 400' Depth, Pull Submersible Well Pumps For Repair Note: Includes reinstallation after repair.	216.41
33 01 20 00-0006	EA	>400 To 500' Depth, Pull Submersible Well Pumps For Repair Note: Includes reinstallation after repair.	267.33
33 01 20 00-0007	EA	>500 To 600' Depth, Pull Submersible Well Pumps For Repair Note: Includes reinstallation after repair.	305.52

33 01 30 Operation and Maintenance of Sewer Utilities *(33 01)*

33 01 30 11 Television Inspection Of Pipelines *(33 01 30)*
Note: Rotating head color camera. Includes all log records and color video tape, DVD or CD.

33 01 30 11-0001 Remote Visual Inspection (RVI) Of Pipe Interior And Culverts *(33 01 30 11)*
Note: "Distance From Truck" modifiers are used for backyards, fields, hillsides, wooded areas and canyons.

33 01 30 11-0002 Video Camera Set-up *(33 01 30 11-0001)*
Note: A "push camera" is a straight view camera at the end of a rigid push rod for 1" to 12" diameter pipes for distances up to 300 feet. Crawlers are generally remotely operated vehicles (ROVs) for longer distances (over 300') and for larger diameters (4" and larger).

33 01 30 11-0003	EA	Initial Set Up For "Push Camera" Video Camera Inspection, 1" To 12" Diameter Pipe Or Culvert	947.62
33 01 30 11-0004	EA	Initial Set Up For "Crawler" Video Camera Inspection, 4" To 30" Diameter Pipe Or Culvert	1,895.24
33 01 30 11-0005	EA	Initial Set Up For "Crawler" Video Camera Inspection, >30" Diameter Pipe Or Culvert	2,842.86
33 01 30 11-0006	EA	Re-Set Up/Move For "Push Camera" Video Camera Inspection, 1" To 12" Diameter Pipe Or Culvert	473.81
33 01 30 11-0007	EA	Re-Set Up/Move For "Crawler" Video Camera Inspection, 4" And Larger Diameter Pipe Or Culvert	947.62

33 01 30 11-0008 Video Camera Planning And Analysis Inspection *(33 01 30 11-0001)*
Note: For pipe interior and culverts. Includes all set-up and pre-cleaning sufficient for CCTV pipe inspection.

33 01 30 11-0009	LF	4" To 6" Diameter Pipe Inspection, Planning/Analysis Phase Note: CCTV inspection of pipe interior.	2.40
		For >500 To 1,000, Deduct	*-0.24*
		For >1,000 To 5,000, Deduct	*-0.60*
		For >5,000, Deduct	*-0.84*
		For Inspection Not Requiring Pre-cleaning, Deduct	*-0.36*
		5' To 50' From Truck To Manhole Distance, Add	*0.78*
		>50' To 100' From Truck To Manhole Distance, Add	*1.18*
		>100' To 400' From Truck To Manhole Distance, Add	*1.58*
		>400' To 600' From Truck To Manhole Distance, Add	*2.36*
33 01 30 11-0010	LF	>6" To 12" Diameter Pipe Inspection, Planning/Analysis Phase Note: CCTV inspection of pipe interior.	3.21
		For >500 To 1,000, Deduct	*-0.32*
		For >1,000 To 5,000, Deduct	*-0.80*
		For >5,000, Deduct	*-1.12*
		For Inspection Not Requiring Pre-cleaning, Deduct	*-0.48*
		5' To 50' From Truck To Manhole Distance, Add	*0.78*
		>50' To 100' From Truck To Manhole Distance, Add	*1.18*
		>100' To 400' From Truck To Manhole Distance, Add	*1.58*
		>400' To 600' From Truck To Manhole Distance, Add	*2.36*
33 01 30 11-0011	LF	>12" To 21" Diameter Pipe Inspection, Planning/Analysis Phase Note: CCTV inspection of pipe interior.	4.00
		For >500 To 1,000, Deduct	*-0.40*
		For >1,000 To 5,000, Deduct	*-1.00*
		For >5,000, Deduct	*-1.40*
		For Inspection Not Requiring Pre-cleaning, Deduct	*-0.60*
		5' To 50' From Truck To Manhole Distance, Add	*0.78*
		>50' To 100' From Truck To Manhole Distance, Add	*1.18*
		>100' To 400' From Truck To Manhole Distance, Add	*1.58*
		>400' To 600' From Truck To Manhole Distance, Add	*2.36*
33 01 30 11-0012	LF	>21" To 30" Diameter Pipe Inspection, Planning/Analysis Phase Note: CCTV inspection of pipe interior.	5.34
		For >500 To 1,000, Deduct	*-0.53*
		For >1,000 To 5,000, Deduct	*-1.34*
		For >5,000, Deduct	*-1.87*
		For Inspection Not Requiring Pre-cleaning, Deduct	*-0.80*
		5' To 50' From Truck To Manhole Distance, Add	*0.78*
		>50' To 100' From Truck To Manhole Distance, Add	*1.18*
		>100' To 400' From Truck To Manhole Distance, Add	*1.58*
		>400' To 600' From Truck To Manhole Distance, Add	*2.36*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 11-0013	LF	>30" To 42" Diameter Pipe Inspection, Planning/Analysis Phase	7.51	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-0.75*	
		For >1,000 To 5,000, Deduct	*-1.88*	
		For >5,000, Deduct	*-2.63*	
		For Inspection Not Requiring Pre-cleaning, Deduct	*-1.13*	
		5' To 50' From Truck To Manhole Distance, Add	*0.78*	
		>50' To 100' From Truck To Manhole Distance, Add	*1.18*	
		>100' To 400' From Truck To Manhole Distance, Add	*1.58*	
		>400' To 600' From Truck To Manhole Distance, Add	*2.36*	
33 01 30 11-0014	LF	>42" To 60" Diameter Pipe Inspection, Planning/Analysis Phase	10.01	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-1.00*	
		For >1,000 To 5,000, Deduct	*-2.50*	
		For >5,000, Deduct	*-3.50*	
		For Inspection Not Requiring Pre-cleaning, Deduct	*-1.50*	
		5' To 50' From Truck To Manhole Distance, Add	*0.78*	
		>50' To 100' From Truck To Manhole Distance, Add	*1.18*	
		>100' To 400' From Truck To Manhole Distance, Add	*1.58*	
		>400' To 600' From Truck To Manhole Distance, Add	*2.36*	
33 01 30 11-0015	LF	>60" To 72" Diameter Pipe Inspection, Planning/Analysis Phase	14.14	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-1.41*	
		For >1,000 To 5,000, Deduct	*-3.54*	
		For >5,000, Deduct	*-4.95*	
		For Inspection Not Requiring Pre-cleaning, Deduct	*-2.12*	
		5' To 50' From Truck To Manhole Distance, Add	*0.78*	
		>50' To 100' From Truck To Manhole Distance, Add	*1.18*	
		>100' To 400' From Truck To Manhole Distance, Add	*1.58*	
		>400' To 600' From Truck To Manhole Distance, Add	*2.36*	
33 01 30 11-0016	LF	>72" To 84" Diameter Pipe Inspection, Planning/Analysis Phase	20.02	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-2.00*	
		For >1,000 To 5,000, Deduct	*-5.01*	
		For >5,000, Deduct	*-7.01*	
		For Inspection Not Requiring Pre-cleaning, Deduct	*-3.00*	
		5' To 50' From Truck To Manhole Distance, Add	*0.78*	
		>50' To 100' From Truck To Manhole Distance, Add	*1.18*	
		>100' To 400' From Truck To Manhole Distance, Add	*1.58*	
		>400' To 600' From Truck To Manhole Distance, Add	*2.36*	
33 01 30 11-0017		**Video Camera Pre-Rehab For Pipe Interior And Culverts** *(33 01 30 11-0001)*		
		Note: Includes all set-up.		
33 01 30 11-0018	LF	4" To 6" Diameter Pipe Inspection, Pre-Rehabilitation Phase	3.56	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-0.36*	
		For >1,000 To 5,000, Deduct	*-0.89*	
		For >5,000, Deduct	*-1.25*	
		5' To 50' From Truck To Manhole Distance, Add	*0.78*	
		>50' To 100' From Truck To Manhole Distance, Add	*1.18*	
		>100' To 400' From Truck To Manhole Distance, Add	*1.58*	
		>400' To 600' From Truck To Manhole Distance, Add	*2.36*	
33 01 30 11-0019	LF	>6" To 12" Diameter Pipe Inspection, Pre-Rehabilitation Phase	4.73	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-0.47*	
		For >1,000 To 5,000, Deduct	*-1.18*	
		For >5,000, Deduct	*-1.66*	
		5' To 50' From Truck To Manhole Distance, Add	*0.78*	
		>50' To 100' From Truck To Manhole Distance, Add	*1.18*	
		>100' To 400' From Truck To Manhole Distance, Add	*1.58*	
		>400' To 600' From Truck To Manhole Distance, Add	*2.36*	
33 01 30 11-0020	LF	>12" To 21" Diameter Pipe Inspection, Pre-Rehabilitation Phase	5.92	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-0.59*	
		For >1,000 To 5,000, Deduct	*-1.48*	
		For >5,000, Deduct	*-2.07*	
		5' To 50' From Truck To Manhole Distance, Add	*0.78*	
		>50' To 100' From Truck To Manhole Distance, Add	*1.18*	
		>100' To 400' From Truck To Manhole Distance, Add	*1.58*	
		>400' To 600' From Truck To Manhole Distance, Add	*2.36*	
33 01 30 11-0021	LF	>21" To 30" Diameter Pipe Inspection, Pre-Rehabilitation Phase	7.90	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-0.79*	
		For >1,000 To 5,000, Deduct	*-1.98*	
		For >5,000, Deduct	*-2.77*	
		5' To 50' From Truck To Manhole Distance, Add	*0.78*	
		>50' To 100' From Truck To Manhole Distance, Add	*1.18*	
		>100' To 400' From Truck To Manhole Distance, Add	*1.58*	
		>400' To 600' From Truck To Manhole Distance, Add	*2.36*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 11-0022	LF	>30" To 42" Diameter Pipe Inspection, Pre-Rehabilitation Phase	11.11	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-1.11*	
		For >1,000 To 5,000, Deduct	*-2.78*	
		For >5,000, Deduct	*-3.89*	
		5' To 50' From Truck To Manhole Distance, Add	*0.78*	
		>50' To 100' From Truck To Manhole Distance, Add	*1.18*	
		>100' To 400' From Truck To Manhole Distance, Add	*1.58*	
		>400' To 600' From Truck To Manhole Distance, Add	*2.36*	
33 01 30 11-0023	LF	>42" To 60" Diameter Pipe Inspection, Pre-Rehabilitation Phase	14.81	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-1.48*	
		For >1,000 To 5,000, Deduct	*-3.70*	
		For >5,000, Deduct	*-5.18*	
		5' To 50' From Truck To Manhole Distance, Add	*0.78*	
		>50' To 100' From Truck To Manhole Distance, Add	*1.18*	
		>100' To 400' From Truck To Manhole Distance, Add	*1.58*	
		>400' To 600' From Truck To Manhole Distance, Add	*2.36*	
33 01 30 11-0024	LF	>60" To 72" Diameter Pipe Inspection, Pre-Rehabilitation Phase	20.90	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-2.09*	
		For >1,000 To 5,000, Deduct	*-5.23*	
		For >5,000, Deduct	*-7.32*	
		5' To 50' From Truck To Manhole Distance, Add	*0.78*	
		>50' To 100' From Truck To Manhole Distance, Add	*1.18*	
		>100' To 400' From Truck To Manhole Distance, Add	*1.58*	
		>400' To 600' From Truck To Manhole Distance, Add	*2.36*	
33 01 30 11-0025	LF	>72" To 84" Diameter Pipe Inspection, Pre-Rehabilitation Phase	29.61	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-2.96*	
		For >1,000 To 5,000, Deduct	*-7.40*	
		For >5,000, Deduct	*-10.36*	
		5' To 50' From Truck To Manhole Distance, Add	*0.78*	
		>50' To 100' From Truck To Manhole Distance, Add	*1.18*	
		>100' To 400' From Truck To Manhole Distance, Add	*1.58*	
		>400' To 600' From Truck To Manhole Distance, Add	*2.36*	
33 01 30 11-0026		Video Camera Post-Rehab For Pipe Interior And Culverts *(33 01 30 11-0001)*		
		Note: Includes all set-up.		
33 01 30 11-0027	LF	4" To 6" Diameter Pipe Inspection, Post-Rehabilitation Phase	2.54	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-0.25*	
		For >1,000 To 5,000, Deduct	*-0.64*	
		For >5,000, Deduct	*-0.89*	
		5' To 50' From Truck To Manhole Distance, Add	*0.78*	
		>50' To 100' From Truck To Manhole Distance, Add	*1.18*	
		>100' To 400' From Truck To Manhole Distance, Add	*1.58*	
		>400' To 600' From Truck To Manhole Distance, Add	*2.36*	
33 01 30 11-0028	LF	>6" To 12" Diameter Pipe Inspection, Post-Rehabilitation Phase	3.38	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-0.34*	
		For >1,000 To 5,000, Deduct	*-0.85*	
		For >5,000, Deduct	*-1.18*	
		5' To 50' From Truck To Manhole Distance, Add	*0.78*	
		>50' To 100' From Truck To Manhole Distance, Add	*1.18*	
		>100' To 400' From Truck To Manhole Distance, Add	*1.58*	
		>400' To 600' From Truck To Manhole Distance, Add	*2.36*	
33 01 30 11-0029	LF	>12" To 21" Diameter Pipe Inspection, Post-Rehabilitation Phase	4.23	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-0.42*	
		For >1,000 To 5,000, Deduct	*-1.06*	
		For >5,000, Deduct	*-1.48*	
		5' To 50' From Truck To Manhole Distance, Add	*0.78*	
		>50' To 100' From Truck To Manhole Distance, Add	*1.18*	
		>100' To 400' From Truck To Manhole Distance, Add	*1.58*	
		>400' To 600' From Truck To Manhole Distance, Add	*2.36*	
33 01 30 11-0030	LF	>21" To 30" Diameter Pipe Inspection, Post-Rehabilitation Phase	5.64	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-0.56*	
		For >1,000 To 5,000, Deduct	*-1.41*	
		For >5,000, Deduct	*-1.97*	
		5' To 50' From Truck To Manhole Distance, Add	*0.78*	
		>50' To 100' From Truck To Manhole Distance, Add	*1.18*	
		>100' To 400' From Truck To Manhole Distance, Add	*1.58*	
		>400' To 600' From Truck To Manhole Distance, Add	*2.36*	
33 01 30 11-0031	LF	>30" To 42" Diameter Pipe Inspection, Post-Rehabilitation Phase	7.93	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-0.79*	
		For >1,000 To 5,000, Deduct	*-1.98*	
		For >5,000, Deduct	*-2.78*	
		5' To 50' From Truck To Manhole Distance, Add	*0.78*	
		>50' To 100' From Truck To Manhole Distance, Add	*1.18*	
		>100' To 400' From Truck To Manhole Distance, Add	*1.58*	
		>400' To 600' From Truck To Manhole Distance, Add	*2.36*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 11-0032	LF	>42" To 60" Diameter Pipe Inspection, Post-Rehabilitation Phase	10.58	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-1.06*	
		For >1,000 To 5,000, Deduct	*-2.65*	
		For >5,000, Deduct	*-3.70*	
		5' To 50' From Truck To Manhole Distance, Add	*0.78*	
		>50' To 100' From Truck To Manhole Distance, Add	*1.18*	
		>100' To 400' From Truck To Manhole Distance, Add	*1.58*	
		>400' To 600' From Truck To Manhole Distance, Add	*2.36*	
33 01 30 11-0033	LF	>60" To 72" Diameter Pipe Inspection, Post-Rehabilitation Phase	14.93	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-1.49*	
		For >1,000 To 5,000, Deduct	*-3.73*	
		For >5,000, Deduct	*-5.23*	
		5' To 50' From Truck To Manhole Distance, Add	*0.78*	
		>50' To 100' From Truck To Manhole Distance, Add	*1.18*	
		>100' To 400' From Truck To Manhole Distance, Add	*1.58*	
		>400' To 600' From Truck To Manhole Distance, Add	*2.36*	
33 01 30 11-0034	LF	>72" To 84" Diameter Pipe Inspection, Post-Rehabilitation Phase	21.15	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-2.12*	
		For >1,000 To 5,000, Deduct	*-5.29*	
		For >5,000, Deduct	*-7.40*	
		5' To 50' From Truck To Manhole Distance, Add	*0.78*	
		>50' To 100' From Truck To Manhole Distance, Add	*1.18*	
		>100' To 400' From Truck To Manhole Distance, Add	*1.58*	
		>400' To 600' From Truck To Manhole Distance, Add	*2.36*	

33 01 30 41 Cleaning of Sewers *(33 01 30)*

33 01 30 41-0001 Pipe Line Cleaning And Flushing *(33 01 30 41)*

Note: Includes flushing. Owner provided water. See CSI section 33 01 30 89-0001 for bypass pumping and piping.

33 01 30 41-0002 Pipe Line Cleaning *(33 01 30 41-0001)*

Note: Includes removal of all debris/waste. Excludes disposal.

33 01 30 41-0003 Hydro Jet Set-up And Reinsertion *(33 01 30 41-0002)*

Note: Includes mobilization delivery, set-up, clean-up after use and return.

33 01 30 41-0004	EA	Initial Set Up And Final Equipment Removal For Up To 8" Jet Cleaning	1,482.41
33 01 30 41-0005	EA	Initial Set Up And Final Equipment Removal For >8" To 12" Jet Cleaning	2,223.62
33 01 30 41-0006	EA	Initial Set Up And Final Equipment Removal For >12" To 30" Jet Cleaning	2,964.83
33 01 30 41-0007	EA	Initial Set Up And Final Equipment Removal For >30" Jet Cleaning	3,953.10
33 01 30 41-0008	EA	Move And Reset Up At Different Access/Location For Up To 8" Jet Cleaning	370.60
33 01 30 41-0009	EA	Move And Reset Up At Different Access/Location For >8" To 12" Jet Cleaning	555.91
33 01 30 41-0010	EA	Move And Reset Up At Different Access/Location For >12" To 30" Jet Cleaning	741.21
33 01 30 41-0011	EA	Move And Reset Up At Different Access/Location For >30" Jet Cleaning	926.51

33 01 30 41-0012 Hydro Jet Cleaning Of Sewer And Water Pipelines *(33 01 30 41-0002)*

33 01 30 41-0013	LF	Up To 4" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	3.98	
		For >250 To 500, Deduct	*-0.20*	
		For >500 To 1,000, Deduct	*-0.40*	
		For >1,000 To 2,000, Deduct	*-0.60*	
		For >2,000 To 5,000, Deduct	*-0.80*	
		For >5,000, Deduct	*-1.00*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*2.99*	
33 01 30 41-0014	LF	6" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	4.58	
		For >250 To 500, Deduct	*-0.23*	
		For >500 To 1,000, Deduct	*-0.46*	
		For >1,000 To 2,000, Deduct	*-0.69*	
		For >2,000 To 5,000, Deduct	*-0.92*	
		For >5,000, Deduct	*-1.15*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*3.44*	
33 01 30 41-0015	LF	8" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	5.37	
		For >250 To 500, Deduct	*-0.27*	
		For >500 To 1,000, Deduct	*-0.54*	
		For >1,000 To 2,000, Deduct	*-0.81*	
		For >2,000 To 5,000, Deduct	*-1.07*	
		For >5,000, Deduct	*-1.34*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*4.03*	
33 01 30 41-0016	LF	10" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	6.64	
		For >250 To 500, Deduct	*-0.33*	
		For >500 To 1,000, Deduct	*-0.66*	
		For >1,000 To 2,000, Deduct	*-1.00*	
		For >2,000 To 5,000, Deduct	*-1.33*	
		For >5,000, Deduct	*-1.66*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*4.98*	
33 01 30 41-0017	LF	12" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	7.54	
		For >250 To 500, Deduct	*-0.38*	
		For >500 To 1,000, Deduct	*-0.75*	
		For >1,000 To 2,000, Deduct	*-1.13*	
		For >2,000 To 5,000, Deduct	*-1.51*	
		For >5,000, Deduct	*-1.89*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*5.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0018	LF	>12" To 16" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	8.70	
		For >250 To 500, Deduct	*-0.44*	
		For >500 To 1,000, Deduct	*-0.87*	
		For >1,000 To 2,000, Deduct	*-1.31*	
		For >2,000 To 5,000, Deduct	*-1.74*	
		For >5,000, Deduct	*-2.18*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*6.53*	
33 01 30 41-0019	LF	>16" To 24" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	10.47	
		For >250 To 500, Deduct	*-0.52*	
		For >500 To 1,000, Deduct	*-1.05*	
		For >1,000 To 2,000, Deduct	*-1.57*	
		For >2,000 To 5,000, Deduct	*-2.09*	
		For >5,000, Deduct	*-2.62*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*7.85*	
33 01 30 41-0020	LF	>24" To 30" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	11.88	
		For >250 To 500, Deduct	*-0.59*	
		For >500 To 1,000, Deduct	*-1.19*	
		For >1,000 To 2,000, Deduct	*-1.78*	
		For >2,000 To 5,000, Deduct	*-2.38*	
		For >5,000, Deduct	*-2.97*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*8.91*	
33 01 30 41-0021	LF	>30" To 42" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	14.04	
		For >250 To 500, Deduct	*-0.70*	
		For >500 To 1,000, Deduct	*-1.40*	
		For >1,000 To 2,000, Deduct	*-2.11*	
		For >2,000 To 5,000, Deduct	*-2.81*	
		For >5,000, Deduct	*-3.51*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*10.53*	
33 01 30 41-0022	LF	>42" To 60" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	17.64	
		For >250 To 500, Deduct	*-0.88*	
		For >500 To 1,000, Deduct	*-1.76*	
		For >1,000 To 2,000, Deduct	*-2.65*	
		For >2,000 To 5,000, Deduct	*-3.53*	
		For >5,000, Deduct	*-4.41*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*13.23*	
33 01 30 41-0023	LF	>60" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	20.59	
		For >250 To 500, Deduct	*-1.03*	
		For >500 To 1,000, Deduct	*-2.06*	
		For >1,000 To 2,000, Deduct	*-3.09*	
		For >2,000 To 5,000, Deduct	*-4.12*	
		For >5,000, Deduct	*-5.15*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*15.44*	

33 01 30 41-0024 Flushing Of Storm Water Pipelines *(33 01 30 41-0002)*

Note: To remove silt and small debris from storm drainage pipes. Excludes disposal.

33 01 30 41-0025	LF	12" To 16" Diameter Pipe Line Flushing	1.61	
		For >250 To 500, Deduct	*-0.08*	
		For >500 To 1,000, Deduct	*-0.16*	
		For >1,000 To 2,000, Deduct	*-0.24*	
		For >2,000 To 5,000, Deduct	*-0.32*	
		For >5,000, Deduct	*-0.40*	
33 01 30 41-0026	LF	>16" To 24" Diameter Pipe Line Flushing	1.85	
		For >250 To 500, Deduct	*-0.09*	
		For >500 To 1,000, Deduct	*-0.19*	
		For >1,000 To 2,000, Deduct	*-0.28*	
		For >2,000 To 5,000, Deduct	*-0.37*	
		For >5,000, Deduct	*-0.46*	
33 01 30 41-0027	LF	>24" To 30" Diameter Pipe Line Flushing	2.17	
		For >250 To 500, Deduct	*-0.11*	
		For >500 To 1,000, Deduct	*-0.22*	
		For >1,000 To 2,000, Deduct	*-0.33*	
		For >2,000 To 5,000, Deduct	*-0.43*	
		For >5,000, Deduct	*-0.54*	
33 01 30 41-0028	LF	>30" To 42" Diameter Pipe Line Flushing	2.49	
		For >250 To 500, Deduct	*-0.12*	
		For >500 To 1,000, Deduct	*-0.25*	
		For >1,000 To 2,000, Deduct	*-0.37*	
		For >2,000 To 5,000, Deduct	*-0.50*	
		For >5,000, Deduct	*-0.62*	
33 01 30 41-0029	LF	>42" To 60" Diameter Pipe Line Flushing	3.32	
		For >250 To 500, Deduct	*-0.17*	
		For >500 To 1,000, Deduct	*-0.33*	
		For >1,000 To 2,000, Deduct	*-0.50*	
		For >2,000 To 5,000, Deduct	*-0.66*	
		For >5,000, Deduct	*-0.83*	

33 01 30 41-0030 Hydro Jet Cleaning Of Culverts *(33 01 30 41-0002)*

33 01 30 41-0031	LF	Jet Cleaning Of Culvert, 0-250 LF	18.44	
		For >250 To 500, Deduct	*-0.92*	
		For >500 To 1,000, Deduct	*-1.84*	
		For >1,000 To 2,000, Deduct	*-2.77*	
		For >2,000 To 5,000, Deduct	*-3.69*	
		For >5,000, Deduct	*-4.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0032		**Pipe Line Cleaning, Mechanical Method** *(33 01 30 41-0001)*		
		Note: Power winching buckets, scrapers, scooters, porcupines, brushes and other debris removing equipment. Includes removal of all debris/waste. Excludes disposal.		
33 01 30 41-0033	EA	Initial Set Up And Final Equipment Removal For Mechanical Cleaning	1,348.02	
33 01 30 41-0034	EA	Move And Reset Up At Different Access/Location	449.34	
33 01 30 41-0035	LF	Up To 4" Diameter Pipe Line Cleaning, Mechanical Method	7.80	
		For >250 To 500, Deduct	*-0.37*	
		For >500 To 1,000, Deduct	*-0.75*	
		For >1,000 To 2,000, Deduct	*-1.12*	
		For >2,000 To 5,000, Deduct	*-1.50*	
		For >5,000, Deduct	*-1.87*	
33 01 30 41-0036	LF	6" Diameter Pipe Line Cleaning, Mechanical Method	10.25	
		For >250 To 500, Deduct	*-0.48*	
		For >500 To 1,000, Deduct	*-0.96*	
		For >1,000 To 2,000, Deduct	*-1.44*	
		For >2,000 To 5,000, Deduct	*-1.93*	
		For >5,000, Deduct	*-2.41*	
33 01 30 41-0037	LF	8" Diameter Pipe Line Cleaning, Mechanical Method	12.01	
		For >250 To 500, Deduct	*-0.56*	
		For >500 To 1,000, Deduct	*-1.12*	
		For >1,000 To 2,000, Deduct	*-1.69*	
		For >2,000 To 5,000, Deduct	*-2.25*	
		For >5,000, Deduct	*-2.81*	
33 01 30 41-0038	LF	10" Diameter Pipe Line Cleaning, Mechanical Method	13.90	
		For >250 To 500, Deduct	*-0.65*	
		For >500 To 1,000, Deduct	*-1.30*	
		For >1,000 To 2,000, Deduct	*-1.95*	
		For >2,000 To 5,000, Deduct	*-2.59*	
		For >5,000, Deduct	*-3.24*	
33 01 30 41-0039	LF	12" Diameter Pipe Line Cleaning, Mechanical Method	15.12	
		For >250 To 500, Deduct	*-0.70*	
		For >500 To 1,000, Deduct	*-1.40*	
		For >1,000 To 2,000, Deduct	*-2.11*	
		For >2,000 To 5,000, Deduct	*-2.81*	
		For >5,000, Deduct	*-3.51*	
33 01 30 41-0040	LF	>12" To 16" Diameter Pipe Line Cleaning, Mechanical Method	17.44	
		For >250 To 500, Deduct	*-0.80*	
		For >500 To 1,000, Deduct	*-1.61*	
		For >1,000 To 2,000, Deduct	*-2.41*	
		For >2,000 To 5,000, Deduct	*-3.21*	
		For >5,000, Deduct	*-4.01*	
33 01 30 41-0041	LF	>16" To 24" Diameter Pipe Line Cleaning, Mechanical Method	21.99	
		For >250 To 500, Deduct	*-0.99*	
		For >500 To 1,000, Deduct	*-1.98*	
		For >1,000 To 2,000, Deduct	*-2.97*	
		For >2,000 To 5,000, Deduct	*-3.96*	
		For >5,000, Deduct	*-4.96*	
33 01 30 41-0042	LF	>24" To 30" Diameter Pipe Line Cleaning, Mechanical Method	25.20	
		For >250 To 500, Deduct	*-1.11*	
		For >500 To 1,000, Deduct	*-2.21*	
		For >1,000 To 2,000, Deduct	*-3.32*	
		For >2,000 To 5,000, Deduct	*-4.42*	
		For >5,000, Deduct	*-5.53*	
33 01 30 41-0043	LF	>30" To 42" Diameter Pipe Line Cleaning, Mechanical Method	29.30	
		For >250 To 500, Deduct	*-1.27*	
		For >500 To 1,000, Deduct	*-2.54*	
		For >1,000 To 2,000, Deduct	*-3.81*	
		For >2,000 To 5,000, Deduct	*-5.09*	
		For >5,000, Deduct	*-6.36*	
33 01 30 41-0044	LF	>42 To 60" Diameter Pipe Line Cleaning, Mechanical Method	38.35	
		For >250 To 500, Deduct	*-1.69*	
		For >500 To 1,000, Deduct	*-3.37*	
		For >1,000 To 2,000, Deduct	*-5.06*	
		For >2,000 To 5,000, Deduct	*-6.74*	
		For >5,000, Deduct	*-8.43*	
33 01 30 41-0045	LF	>60" Diameter Pipe Line Cleaning, Mechanical Method	43.64	
		For >250 To 500, Deduct	*-1.87*	
		For >500 To 1,000, Deduct	*-3.74*	
		For >1,000 To 2,000, Deduct	*-5.62*	
		For >2,000 To 5,000, Deduct	*-7.49*	
		For >5,000, Deduct	*-9.36*	
33 01 30 41-0046		**Pipe Line Auguring/Rod Out Pipe** *(33 01 30 41-0001)*		
33 01 30 41-0047	EA	Initial Set Up And Final Equipment Removal For Auguring	1,348.02	
33 01 30 41-0048	EA	Move And Reset Up At Different Location	449.34	
33 01 30 41-0049	LF	Up To 4" Diameter Pipe Line Auguring/Rod Out	4.49	
		For >250 To 500, Deduct	*-0.22*	
		For >500 To 1,000, Deduct	*-0.45*	
		For >1,000 To 2,000, Deduct	*-0.67*	
		For >2,000 To 5,000, Deduct	*-0.90*	
		For >5,000, Deduct	*-1.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0050	LF	6" Diameter Pipe Line Auguring/Rod Out	5.81	
		For >250 To 500, Deduct	*-0.29*	
		For >500 To 1,000, Deduct	*-0.58*	
		For >1,000 To 2,000, Deduct	*-0.87*	
		For >2,000 To 5,000, Deduct	*-1.16*	
		For >5,000, Deduct	*-1.45*	
33 01 30 41-0051	LF	8" Diameter Pipe Line Auguring/Rod Out	6.74	
		For >250 To 500, Deduct	*-0.34*	
		For >500 To 1,000, Deduct	*-0.67*	
		For >1,000 To 2,000, Deduct	*-1.01*	
		For >2,000 To 5,000, Deduct	*-1.35*	
		For >5,000, Deduct	*-1.69*	
33 01 30 41-0052	LF	10" Diameter Pipe Line Auguring/Rod Out	7.84	
		For >250 To 500, Deduct	*-0.39*	
		For >500 To 1,000, Deduct	*-0.78*	
		For >1,000 To 2,000, Deduct	*-1.18*	
		For >2,000 To 5,000, Deduct	*-1.57*	
		For >5,000, Deduct	*-1.96*	
33 01 30 41-0053	LF	12" Diameter Pipe Line Auguring/Rod Out	8.42	
		For >250 To 500, Deduct	*-0.42*	
		For >500 To 1,000, Deduct	*-0.84*	
		For >1,000 To 2,000, Deduct	*-1.26*	
		For >2,000 To 5,000, Deduct	*-1.68*	
		For >5,000, Deduct	*-2.11*	
33 01 30 41-0054	LF	>12" To 16" Diameter Pipe Line Auguring/Rod Out	9.63	
		For >250 To 500, Deduct	*-0.48*	
		For >500 To 1,000, Deduct	*-0.96*	
		For >1,000 To 2,000, Deduct	*-1.44*	
		For >2,000 To 5,000, Deduct	*-1.93*	
		For >5,000, Deduct	*-2.41*	
33 01 30 41-0055	LF	>16" To 24" Diameter Pipe Line Auguring/Rod Out	11.82	
		For >250 To 500, Deduct	*-0.59*	
		For >500 To 1,000, Deduct	*-1.18*	
		For >1,000 To 2,000, Deduct	*-1.77*	
		For >2,000 To 5,000, Deduct	*-2.36*	
		For >5,000, Deduct	*-2.96*	
33 01 30 41-0056	LF	>24" To 30" Diameter Pipe Line Auguring/Rod Out	13.22	
		For >250 To 500, Deduct	*-0.66*	
		For >500 To 1,000, Deduct	*-1.32*	
		For >1,000 To 2,000, Deduct	*-1.98*	
		For >2,000 To 5,000, Deduct	*-2.64*	
		For >5,000, Deduct	*-3.31*	
33 01 30 41-0057	LF	>30" To 42" Diameter Pipe Line Auguring/Rod Out	15.31	
		For >250 To 500, Deduct	*-0.77*	
		For >500 To 1,000, Deduct	*-1.53*	
		For >1,000 To 2,000, Deduct	*-2.30*	
		For >2,000 To 5,000, Deduct	*-3.06*	
		For >5,000, Deduct	*-3.83*	
33 01 30 41-0058	LF	>42 To 60" Diameter Pipe Line Auguring/Rod Out	21.06	
		For >250 To 500, Deduct	*-1.05*	
		For >500 To 1,000, Deduct	*-2.11*	
		For >1,000 To 2,000, Deduct	*-3.16*	
		For >2,000 To 5,000, Deduct	*-4.21*	
		For >5,000, Deduct	*-5.27*	
33 01 30 41-0059	LF	>60" Diameter Pipe Line Auguring/Rod Out	22.46	
		For >250 To 500, Deduct	*-1.12*	
		For >500 To 1,000, Deduct	*-2.25*	
		For >1,000 To 2,000, Deduct	*-3.37*	
		For >2,000 To 5,000, Deduct	*-4.49*	
		For >5,000, Deduct	*-5.62*	

33 01 30 42 Cleaning of Manholes *(33 01 30)*

33 01 30 42-0001 Structure Cleaning And Flushing *(33 01 30 42)*

Note: Includes flushing. Owner provided water.

33 01 30 42-0002 Rod Out Structures And Other Hand Operations *(33 01 30 42-0001)*

33 01 30 42-0003	EA	Rod Out Waste Water Drain	54.09	
33 01 30 42-0004	EA	Rod Out Sewer Catch Basin	108.18	
33 01 30 42-0005	EA	Up To 6" Diameter Pipe, Rod Out Blockage	21.63	
33 01 30 42-0006	EA	8" Diameter Pipe, Rod Out Blockage	23.80	
33 01 30 42-0007	EA	10" Diameter Pipe, Rod Out Blockage	27.05	
33 01 30 42-0008	EA	12" Diameter Pipe, Rod Out Blockage	31.37	
33 01 30 42-0009	EA	>12" To 16" Diameter Pipe, Rod Out Blockage	36.78	
33 01 30 42-0010	EA	>16" To 24" Diameter Pipe, Rod Out Blockage	43.27	
33 01 30 42-0011	EA	>24" To 30" Diameter Pipe, Rod Out Blockage	50.85	
33 01 30 42-0012	EA	>30" To 42" Diameter Pipe, Rod Out Blockage	58.41	
33 01 30 42-0013	EA	>42" To 60" Diameter Pipe, Rod Out Blockage	68.15	
33 01 30 42-0014	EA	>60" Diameter Pipe, Rod Out Blockage	81.13	
33 01 30 42-0015	EA	Clean Out Debris From Entrance To Inlet Structure	270.45	
33 01 30 42-0016	EA	3' To 4' Diameter, Clean Out Blocked Manhole By Hand	996.07	
		For >10 To 100, Deduct	*-149.41*	
		For >100 To 250, Deduct	*-224.12*	
		For >250, Deduct	*-298.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 42-0017	EA	5' To 6' Diameter, Clean Out Blocked Manhole By Hand	1,195.28	
		For >10 To 100, Deduct	*-179.29*	
		For >100 To 250, Deduct	*-268.94*	
		For >250, Deduct	*-358.58*	
33 01 30 42-0018	EA	Clean Out Blocked Catch Basin By Hand	597.64	
		For >10 To 100, Deduct	*-89.65*	
		For >100 To 250, Deduct	*-134.47*	
		For >250, Deduct	*-179.29*	

33 01 30 42-0019 Cleaning Manholes And Drainage Structures With Jet/Vacuum *(33 01 30 42-0001)*

Note: Includes the removal of debris with high pressure water jetting and vacuum equipment and cleaning of grate. Excludes hardened concrete debris and disposal of material.

33 01 30 42-0020	EA	Jet/Vacuum Clean 1 To 2 Catch Basins Or Manholes	294.77	
33 01 30 42-0021	EA	Jet/Vacuum Clean 3 To 10 Catch Basins Or Manholes	274.12	
33 01 30 42-0022	EA	Jet/Vacuum Clean 11 To 25 Catch Basins Or Manholes	253.47	
33 01 30 42-0023	EA	Jet/Vacuum Clean 26 To 100 Catch Basins Or Manholes	232.81	
33 01 30 42-0024	EA	Jet/Vacuum Clean 101 To 250 Catch Basins Or Manholes	212.16	
33 01 30 42-0025	EA	Jet/Vacuum Clean >250 Catch Basins Or Manholes	191.51	

33 01 30 43 Removal of Protruding Service Connection *(33 01 30)*

33 01 30 43-0001 Trim Protruding Service Taps *(33 01 30 43)*

33 01 30 43-0002	EA	Trim Protruding Service Tap, 4", Robotic	737.17	
33 01 30 43-0003	EA	Trim Protruding Service Tap, 6", Robotic	810.88	
33 01 30 43-0004	EA	Trim Protruding Service Tap, 8", Robotic	884.60	

33 01 30 51 Maintenance of Utilities *(33 01 30)*

33 01 30 51-0001 Pipe Repair *(33 01 30 51)*

Note: Excludes excavation and backfill where required See CSI section 31 23 00 00-0000 for excavation and backfill.

33 01 30 51-0002 Pipe Repair Clamp, Full Circle, Single Band *(33 01 30 51-0001)*

Note: Repair clamps for asbestos cement pipe, cast iron soil pipe, non-reinforced concrete pipe, PVC pipe, vitrified clay pipe, gray iron pipe and ductile iron pipe.

33 01 30 51-0003	EA	2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	128.36	
		For Stainless Steel Nuts And Bolts, Add	*20.64*	
33 01 30 51-0004	EA	2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	182.05	
		For Stainless Steel Nuts And Bolts, Add	*31.10*	
33 01 30 51-0005	EA	2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	210.18	
		For Stainless Steel Nuts And Bolts, Add	*36.63*	
33 01 30 51-0006	EA	2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	239.39	
		For Stainless Steel Nuts And Bolts, Add	*42.14*	
33 01 30 51-0007	EA	2-1/2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	138.42	
		For Stainless Steel Nuts And Bolts, Add	*22.41*	
33 01 30 51-0008	EA	2-1/2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	193.47	
		For Stainless Steel Nuts And Bolts, Add	*33.19*	
33 01 30 51-0009	EA	2-1/2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	221.62	
		For Stainless Steel Nuts And Bolts, Add	*38.59*	
33 01 30 51-0010	EA	2-1/2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	256.00	
		For Stainless Steel Nuts And Bolts, Add	*45.15*	
33 01 30 51-0011	EA	3" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	148.76	
		For Stainless Steel Nuts And Bolts, Add	*24.52*	
33 01 30 51-0012	EA	3" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	201.20	
		For Stainless Steel Nuts And Bolts, Add	*34.70*	
33 01 30 51-0013	EA	3" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	232.49	
		For Stainless Steel Nuts And Bolts, Add	*40.68*	
33 01 30 51-0014	EA	3" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	270.87	
		For Stainless Steel Nuts And Bolts, Add	*48.30*	
33 01 30 51-0015	EA	4" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	167.55	
		For Stainless Steel Nuts And Bolts, Add	*27.88*	
33 01 30 51-0016	EA	4" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	221.15	
		For Stainless Steel Nuts And Bolts, Add	*37.53*	
33 01 30 51-0017	EA	4" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	268.15	
		For Stainless Steel Nuts And Bolts, Add	*45.68*	
33 01 30 51-0018	EA	4" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	323.04	
		For Stainless Steel Nuts And Bolts, Add	*55.11*	
33 01 30 51-0019	EA	4" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	421.95	
		For Stainless Steel Nuts And Bolts, Add	*74.02*	
33 01 30 51-0020	EA	4" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	524.76	
		For Stainless Steel Nuts And Bolts, Add	*92.93*	
33 01 30 51-0021	EA	4" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	640.07	
		For Stainless Steel Nuts And Bolts, Add	*113.99*	
33 01 30 51-0022	EA	6" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	196.94	
		For Stainless Steel Nuts And Bolts, Add	*32.90*	
33 01 30 51-0023	EA	6" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	261.40	
		For Stainless Steel Nuts And Bolts, Add	*44.63*	
33 01 30 51-0024	EA	6" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	309.65	
		For Stainless Steel Nuts And Bolts, Add	*52.62*	
33 01 30 51-0025	EA	6" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	362.89	
		For Stainless Steel Nuts And Bolts, Add	*61.15*	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0026	EA	6" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		501.68	
		For Stainless Steel Nuts And Bolts, Add		*88.61*	
33 01 30 51-0027	EA	6" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		609.93	
		For Stainless Steel Nuts And Bolts, Add		*108.06*	
33 01 30 51-0028	EA	6" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		728.49	
		For Stainless Steel Nuts And Bolts, Add		*129.12*	
33 01 30 51-0029	EA	8" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		257.36	
		For Stainless Steel Nuts And Bolts, Add		*39.36*	
33 01 30 51-0030	EA	8" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		334.23	
		For Stainless Steel Nuts And Bolts, Add		*52.08*	
33 01 30 51-0031	EA	8" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		403.37	
		For Stainless Steel Nuts And Bolts, Add		*63.02*	
33 01 30 51-0032	EA	8" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		481.75	
		For Stainless Steel Nuts And Bolts, Add		*75.10*	
33 01 30 51-0033	EA	8" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		638.84	
		For Stainless Steel Nuts And Bolts, Add		*104.04*	
33 01 30 51-0034	EA	8" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		764.07	
		For Stainless Steel Nuts And Bolts, Add		*124.41*	
33 01 30 51-0035	EA	8" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		905.07	
		For Stainless Steel Nuts And Bolts, Add		*146.43*	
33 01 30 51-0036	EA	10" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		300.98	
		For Stainless Steel Nuts And Bolts, Add		*47.90*	
33 01 30 51-0037	EA	10" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		403.97	
		For Stainless Steel Nuts And Bolts, Add		*66.26*	
33 01 30 51-0038	EA	10" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		475.89	
		For Stainless Steel Nuts And Bolts, Add		*77.47*	
33 01 30 51-0039	EA	10" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		583.71	
		For Stainless Steel Nuts And Bolts, Add		*95.82*	
33 01 30 51-0040	EA	10" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		765.59	
		For Stainless Steel Nuts And Bolts, Add		*129.97*	
33 01 30 51-0041	EA	10" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		871.97	
		For Stainless Steel Nuts And Bolts, Add		*145.27*	
33 01 30 51-0042	EA	10" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		1,121.08	
		For Stainless Steel Nuts And Bolts, Add		*191.65*	
33 01 30 51-0043	EA	12" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		342.71	
		For Stainless Steel Nuts And Bolts, Add		*54.03*	
33 01 30 51-0044	EA	12" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		447.18	
		For Stainless Steel Nuts And Bolts, Add		*71.86*	
33 01 30 51-0045	EA	12" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		539.76	
		For Stainless Steel Nuts And Bolts, Add		*86.96*	
33 01 30 51-0046	EA	12" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		663.83	
		For Stainless Steel Nuts And Bolts, Add		*108.06*	
33 01 30 51-0047	EA	12" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		853.37	
		For Stainless Steel Nuts And Bolts, Add		*142.72*	
33 01 30 51-0048	EA	12" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		1,003.83	
		For Stainless Steel Nuts And Bolts, Add		*166.67*	
33 01 30 51-0049	EA	12" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		1,274.82	
		For Stainless Steel Nuts And Bolts, Add		*216.11*	

33 01 30 51-0050 Pipe Repair Clamp, Full Circle, Double Bands *(33 01 30 51-0001)*

Note: Repair clamps for reinforced concrete pipe, gray iron pipe and ductile iron pipe.

33 01 30 51-0051	EA	14.38" To 15.13" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)		758.05	
		For Stainless Steel Nuts And Bolts, Add		*207.89*	
33 01 30 51-0052	EA	14.38" To 15.13" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)		1,073.81	
		For Stainless Steel Nuts And Bolts, Add		*300.12*	
33 01 30 51-0053	EA	14.38" To 15.13" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)		1,445.51	
		For Stainless Steel Nuts And Bolts, Add		*407.00*	
33 01 30 51-0054	EA	14.38" To 15.13" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)		2,127.05	
		For Stainless Steel Nuts And Bolts, Add		*613.43*	
33 01 30 51-0055	EA	15.07" To 15.82" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)		795.68	
		For Stainless Steel Nuts And Bolts, Add		*218.12*	
33 01 30 51-0056	EA	15.07" To 15.82" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)		1,124.11	
		For Stainless Steel Nuts And Bolts, Add		*314.03*	
33 01 30 51-0057	EA	15.07" To 15.82" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)		1,509.56	
		For Stainless Steel Nuts And Bolts, Add		*424.56*	
33 01 30 51-0058	EA	15.07" To 15.82" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)		2,229.82	
		For Stainless Steel Nuts And Bolts, Add		*642.70*	
33 01 30 51-0059	EA	15.92" To 16.67" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)		816.17	
		For Stainless Steel Nuts And Bolts, Add		*222.53*	
33 01 30 51-0060	EA	15.92" To 16.67" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)		1,151.05	
		For Stainless Steel Nuts And Bolts, Add		*319.90*	
33 01 30 51-0061	EA	15.92" To 16.67" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)		1,549.43	
		For Stainless Steel Nuts And Bolts, Add		*434.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0062	EA	15.92" To 16.67" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,286.87	
		For Stainless Steel Nuts And Bolts, Add	*656.60*	
33 01 30 51-0063	EA	16.56" To 17.31" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	837.71	
		For Stainless Steel Nuts And Bolts, Add	*226.92*	
33 01 30 51-0064	EA	16.56" To 17.31" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,181.75	
		For Stainless Steel Nuts And Bolts, Add	*326.48*	
33 01 30 51-0065	EA	16.56" To 17.31" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,588.19	
		For Stainless Steel Nuts And Bolts, Add	*442.13*	
33 01 30 51-0066	EA	16.56" To 17.31" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,343.98	
		For Stainless Steel Nuts And Bolts, Add	*669.79*	
33 01 30 51-0067	EA	17.15" To 17.90" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	857.13	
		For Stainless Steel Nuts And Bolts, Add	*230.58*	
33 01 30 51-0068	EA	17.15" To 17.90" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,208.11	
		For Stainless Steel Nuts And Bolts, Add	*331.60*	
33 01 30 51-0069	EA	17.15" To 17.90" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,626.94	
		For Stainless Steel Nuts And Bolts, Add	*450.18*	
33 01 30 51-0070	EA	17.15" To 17.90" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,395.70	
		For Stainless Steel Nuts And Bolts, Add	*680.76*	
33 01 30 51-0071	EA	17.82" To 18.57" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	875.45	
		For Stainless Steel Nuts And Bolts, Add	*234.25*	
33 01 30 51-0072	EA	17.82" To 18.57" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,235.05	
		For Stainless Steel Nuts And Bolts, Add	*337.45*	
33 01 30 51-0073	EA	17.82" To 18.57" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,661.44	
		For Stainless Steel Nuts And Bolts, Add	*457.50*	
33 01 30 51-0074	EA	17.82" To 18.57" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,429.04	
		For Stainless Steel Nuts And Bolts, Add	*686.25*	
33 01 30 51-0075	EA	18.46" To 19.21" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	896.40	
		For Stainless Steel Nuts And Bolts, Add	*238.81*	
33 01 30 51-0076	EA	18.46" To 19.21" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,266.81	
		For Stainless Steel Nuts And Bolts, Add	*344.77*	
33 01 30 51-0077	EA	18.46" To 19.21" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,698.02	
		For Stainless Steel Nuts And Bolts, Add	*465.55*	
33 01 30 51-0078	EA	18.46" To 19.21" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,502.30	
		For Stainless Steel Nuts And Bolts, Add	*705.65*	

33 01 30 51-0079 Repair Couplings and Fittings *(33 01 30 51-0001)*

33 01 30 51-0080 Couplings And Fittings For Copper Pipe, Compression *(33 01 30 51-0079)*

Note: Includes gaskets. Dresser style 88.

33 01 30 51-0081 Copper Compression Repair Couplings *(33 01 30 51-0080)*

33 01 30 51-0082	EA	1/2" Copper Compression Repair Coupling	86.81
33 01 30 51-0083	EA	3/4" Copper Compression Repair Coupling	100.89
33 01 30 51-0084	EA	1" Copper Compression Repair Coupling	118.64
33 01 30 51-0085	EA	1-1/4" Copper Compression Repair Coupling	133.38
33 01 30 51-0086	EA	1-1/2" Copper Compression Repair Coupling	207.40

33 01 30 51-0087 Copper Compression Repair Fitting, 90 Degree Elbows *(33 01 30 51-0080)*

33 01 30 51-0088	EA	1/2" Copper Compression Repair 90 Degree Elbow	104.86
33 01 30 51-0089	EA	1" Copper Compression Repair 90 Degree Elbow	121.22
33 01 30 51-0090	EA	1-1/2" Copper Compression Repair 90 Degree Elbow	248.43
33 01 30 51-0091	EA	1" IPS x 1" CTS 90 Degree Plain End Street Elbow	97.05
33 01 30 51-0092	EA	3/4" IPS x 3/4" CTS 90 Degree Threaded End Street Elbow	87.37
33 01 30 51-0093	EA	1" IPS x 1" CTS 90 Degree Threaded End Street Elbow	102.28
33 01 30 51-0094	EA	1-1/4" IPS x 1" CTS 90 Degree Threaded End Street Elbow	126.86

33 01 30 51-0095 Copper Compression Repair Fitting, Tees *(33 01 30 51-0080)*

33 01 30 51-0096	EA	1/2" Copper Compression Repair Tee	193.26
33 01 30 51-0097	EA	3/4" Copper Compression Repair Tee	148.12
33 01 30 51-0098	EA	1" Copper Compression Repair Tee	176.08
33 01 30 51-0099	EA	1" F x 1" M x 1" CTS Street Tee	144.09

33 01 30 51-0100 Copper Compression Repair Fitting, Male Adapters *(33 01 30 51-0080)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0101	EA	3/4" M x 1/2" CTS Male Adapter	90.90	
33 01 30 51-0102	EA	3/4" M x 3/4" CTS Male Adapter	72.51	
33 01 30 51-0103	EA	1" M x 1" CTS Male Adapter	82.32	
33 01 30 51-0104	EA	1-1/4" M x 1" CTS Male Adapter	99.74	
33 01 30 51-0105	EA	1-1/4" M x 1-1/4" CTS Male Adapter	120.04	
33 01 30 51-0106	EA	1-1/2" M x 1" CTS Male Adapter	130.74	

33 01 30 51-0107 Copper Compression Repair Fitting, Female Adapters *(33 01 30 51-0080)*

33 01 30 51-0108	EA	3/4" M x 3/4" CTS Female Adapter	106.79	
33 01 30 51-0109	EA	1" M x 1" CTS Female Adapter	112.71	

33 01 30 51-0110 Couplings For Steel Pipe *(33 01 30 51-0079)*

Note: Includes Buna S gasket. Dresser style 38

33 01 30 51-0111	EA	1/2" Coupling, 3-1/2" Middle Ring With Buna S Gasket	72.73	
33 01 30 51-0112	EA	3/4" Coupling, 5" Middle Ring With Buna S Gasket	89.33	
33 01 30 51-0113	EA	1" Coupling, 5" Middle Ring With Buna S Gasket	101.75	
33 01 30 51-0114	EA	1-1/2" Coupling, 5" Middle Ring With Buna S Gasket	120.20	
33 01 30 51-0115	EA	2" Coupling, 4" Middle Ring With Buna S Gasket	148.69	
33 01 30 51-0116	EA	2" Coupling, 5" Middle Ring With Buna S Gasket	202.20	
33 01 30 51-0117	EA	2" Coupling, 7" Middle Ring With Buna S Gasket	188.88	
33 01 30 51-0118	EA	3" Coupling, 4" Middle Ring With Buna S Gasket	244.85	
33 01 30 51-0119	EA	3" Coupling, 5" Middle Ring With Buna S Gasket	252.91	
33 01 30 51-0120	EA	3" Coupling, 7" Middle Ring With Buna S Gasket	260.97	
33 01 30 51-0121	EA	4" Coupling, 4" Middle Ring With Buna S Gasket	281.21	
33 01 30 51-0122	EA	4" Coupling, 5" Middle Ring With Buna S Gasket	294.89	
33 01 30 51-0123	EA	4" Coupling, 7" Middle Ring With Buna S Gasket	312.03	
33 01 30 51-0124	EA	5" Coupling, 4" Middle Ring With Buna S Gasket	366.65	
33 01 30 51-0125	EA	5" Coupling, 5" Middle Ring With Buna S Gasket	372.05	
33 01 30 51-0126	EA	5" Coupling, 7" Middle Ring With Buna S Gasket	391.71	
33 01 30 51-0127	EA	6" Coupling, 4" Middle Ring With Buna S Gasket	388.39	
33 01 30 51-0128	EA	6" Coupling, 5" Middle Ring With Buna S Gasket	403.00	
33 01 30 51-0129	EA	6" Coupling, 7" Middle Ring With Buna S Gasket	421.65	
33 01 30 51-0130	EA	8" Coupling, 4" Middle Ring With Buna S Gasket	452.69	
33 01 30 51-0131	EA	8" Coupling, 5" Middle Ring With Buna S Gasket	474.28	
33 01 30 51-0132	EA	8" Coupling, 7" Middle Ring With Buna S Gasket	492.01	
33 01 30 51-0133	EA	10" Coupling, 5" Middle Ring With Buna S Gasket	562.48	
33 01 30 51-0134	EA	10" Coupling, 7" Middle Ring With Buna S Gasket	664.43	
33 01 30 51-0135	EA	12" Coupling, 5" Middle Ring With Buna S Gasket	639.61	
33 01 30 51-0136	EA	12" Coupling, 7" Middle Ring With Buna S Gasket	855.72	
33 01 30 51-0137	EA	14" Coupling, 7" Middle Ring With Buna S Gasket	992.95	
33 01 30 51-0138	EA	16" Coupling, 7" Middle Ring With Buna S Gasket	1,193.97	
33 01 30 51-0139	EA	18" Coupling, 7" Middle Ring With Buna S Gasket	1,314.95	
33 01 30 51-0140	EA	20" Coupling, 7" Middle Ring With Buna S Gasket	1,419.83	
33 01 30 51-0141	EA	22" Coupling, 7" Middle Ring With Buna S Gasket	1,794.68	
33 01 30 51-0142	EA	24" Coupling, 7" Middle Ring With Buna S Gasket	1,887.47	

33 01 30 51-0143 Couplings For Steel Pipe *(33 01 30 51-0079)*

Note: Includes Buna S gasket, protected. Dresser style 38.

33 01 30 51-0144	EA	1/2" Coupling, 3-1/2" Middle Ring With Buna S Gasket, Protected	75.04	
33 01 30 51-0145	EA	3/4" Coupling, 5" Middle Ring With Buna S Gasket, Protected	89.01	
33 01 30 51-0146	EA	1" Coupling, 5" Middle Ring With Buna S Gasket, Protected	101.61	
33 01 30 51-0147	EA	1-1/2" Coupling, 5" Middle Ring With Buna S Gasket, Protected	119.13	
33 01 30 51-0148	EA	2" Coupling, 4" Middle Ring With Buna S Gasket, Protected	179.43	
33 01 30 51-0149	EA	2" Coupling, 5" Middle Ring With Buna S Gasket, Protected	175.20	
33 01 30 51-0150	EA	2" Coupling, 7" Middle Ring With Buna S Gasket, Protected	177.32	
33 01 30 51-0151	EA	3" Coupling, 4" Middle Ring With Buna S Gasket, Protected	260.97	
33 01 30 51-0152	EA	3" Coupling, 5" Middle Ring With Buna S Gasket, Protected	269.03	
33 01 30 51-0153	EA	3" Coupling, 7" Middle Ring With Buna S Gasket, Protected	277.09	
33 01 30 51-0154	EA	4" Coupling, 4" Middle Ring With Buna S Gasket, Protected	303.17	
33 01 30 51-0155	EA	4" Coupling, 5" Middle Ring With Buna S Gasket, Protected	288.96	
33 01 30 51-0156	EA	4" Coupling, 7" Middle Ring With Buna S Gasket, Protected	296.44	
33 01 30 51-0157	EA	5" Coupling, 4" Middle Ring With Buna S Gasket, Protected	394.94	
33 01 30 51-0158	EA	5" Coupling, 5" Middle Ring With Buna S Gasket, Protected	398.88	
33 01 30 51-0159	EA	5" Coupling, 7" Middle Ring With Buna S Gasket, Protected	581.70	
33 01 30 51-0160	EA	6" Coupling, 4" Middle Ring With Buna S Gasket, Protected	397.03	
33 01 30 51-0161	EA	6" Coupling, 5" Middle Ring With Buna S Gasket, Protected	418.01	
33 01 30 51-0162	EA	6" Coupling, 7" Middle Ring With Buna S Gasket, Protected	426.11	
33 01 30 51-0163	EA	8" Coupling, 4" Middle Ring With Buna S Gasket, Protected	499.57	
33 01 30 51-0164	EA	8" Coupling, 5" Middle Ring With Buna S Gasket, Protected	507.53	
33 01 30 51-0165	EA	8" Coupling, 7" Middle Ring With Buna S Gasket, Protected	520.36	
33 01 30 51-0166	EA	10" Coupling, 5" Middle Ring With Buna S Gasket, Protected	581.83	
33 01 30 51-0167	EA	10" Coupling, 7" Middle Ring With Buna S Gasket, Protected	684.58	
33 01 30 51-0168	EA	12" Coupling, 5" Middle Ring With Buna S Gasket, Protected	659.76	
33 01 30 51-0169	EA	12" Coupling, 7" Middle Ring With Buna S Gasket, Protected	875.43	
33 01 30 51-0170	EA	14" Coupling, 7" Middle Ring With Buna S Gasket, Protected	1,013.10	
33 01 30 51-0171	EA	16" Coupling, 7" Middle Ring With Buna S Gasket, Protected	1,224.19	
33 01 30 51-0172	EA	18" Coupling, 7" Middle Ring With Buna S Gasket, Protected	1,355.25	
33 01 30 51-0173	EA	20" Coupling, 7" Middle Ring With Buna S Gasket, Protected	1,460.12	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0174	EA	22" Coupling, 7" Middle Ring With Buna S Gasket, Protected	1,834.98	
33 01 30 51-0175	EA	24" Coupling, 7" Middle Ring With Buna S Gasket, Protected	1,927.76	
33 01 30 51-0176		**Couplings For Steel Pipe** *(33 01 30 51-0079)*		
		Note: Includes Buna N gasket, protected. Dresser style 38.		
33 01 30 51-0177	EA	1/2" Coupling, 3-1/2" Middle Ring With Buna N Gasket, Protected	89.37	
33 01 30 51-0178	EA	3/4" Coupling, 5" Middle Ring With Buna N Gasket, Protected	103.59	
33 01 30 51-0179	EA	1" Coupling, 5" Middle Ring With Buna N Gasket, Protected	118.72	
33 01 30 51-0180	EA	1-1/2" Coupling, 5" Middle Ring With Buna N Gasket, Protected	141.35	
33 01 30 51-0181	EA	2" Coupling, 4" Middle Ring With Buna N Gasket, Protected	179.43	
33 01 30 51-0182	EA	2" Coupling, 5" Middle Ring With Buna N Gasket, Protected	215.42	
33 01 30 51-0183	EA	2" Coupling, 7" Middle Ring With Buna N Gasket, Protected	227.39	
33 01 30 51-0184	EA	3" Coupling, 4" Middle Ring With Buna N Gasket, Protected	260.97	
33 01 30 51-0185	EA	3" Coupling, 5" Middle Ring With Buna N Gasket, Protected	269.03	
33 01 30 51-0186	EA	3" Coupling, 7" Middle Ring With Buna N Gasket, Protected	277.09	
33 01 30 51-0187	EA	4" Coupling, 4" Middle Ring With Buna N Gasket, Protected	303.17	
33 01 30 51-0188	EA	4" Coupling, 5" Middle Ring With Buna N Gasket, Protected	331.90	
33 01 30 51-0189	EA	4" Coupling, 7" Middle Ring With Buna N Gasket, Protected	342.82	
33 01 30 51-0190	EA	5" Coupling, 4" Middle Ring With Buna N Gasket, Protected	394.94	
33 01 30 51-0191	EA	5" Coupling, 5" Middle Ring With Buna N Gasket, Protected	398.88	
33 01 30 51-0192	EA	5" Coupling, 7" Middle Ring With Buna N Gasket, Protected	445.02	
33 01 30 51-0193	EA	6" Coupling, 4" Middle Ring With Buna N Gasket, Protected	397.03	
33 01 30 51-0194	EA	6" Coupling, 5" Middle Ring With Buna N Gasket, Protected	418.01	
33 01 30 51-0195	EA	6" Coupling, 7" Middle Ring With Buna N Gasket, Protected	426.11	
33 01 30 51-0196	EA	8" Coupling, 4" Middle Ring With Buna N Gasket, Protected	499.57	
33 01 30 51-0197	EA	8" Coupling, 5" Middle Ring With Buna N Gasket, Protected	507.53	
33 01 30 51-0198	EA	8" Coupling, 7" Middle Ring With Buna N Gasket, Protected	520.36	
33 01 30 51-0199	EA	10" Coupling, 5" Middle Ring With Buna N Gasket, Protected	581.83	
33 01 30 51-0200	EA	10" Coupling, 7" Middle Ring With Buna N Gasket, Protected	684.58	
33 01 30 51-0201	EA	12" Coupling, 5" Middle Ring With Buna N Gasket, Protected	659.76	
33 01 30 51-0202	EA	12" Coupling, 7" Middle Ring With Buna N Gasket, Protected	875.43	
33 01 30 51-0203	EA	14" Coupling, 7" Middle Ring With Buna N Gasket, Protected	1,013.10	
33 01 30 51-0204	EA	16" Coupling, 7" Middle Ring With Buna N Gasket, Protected	1,193.97	
33 01 30 51-0205	EA	18" Coupling, 7" Middle Ring With Buna N Gasket, Protected	1,355.25	
33 01 30 51-0206	EA	20" Coupling, 7" Middle Ring With Buna N Gasket, Protected	1,460.12	
33 01 30 51-0207	EA	22" Coupling, 7" Middle Ring With Buna N Gasket, Protected	1,834.98	
33 01 30 51-0208	EA	24" Coupling, 7" Middle Ring With Buna N Gasket, Protected	1,927.76	
33 01 30 51-0209		**Couplings For Steel Pipe** *(33 01 30 51-0079)*		
		Note: Includes high temperature carded glass gasket, protected. Dresser style 38.		
33 01 30 51-0210	EA	3/4" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	154.15	
33 01 30 51-0211	EA	1" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	164.94	
33 01 30 51-0212	EA	1-1/2" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	169.54	
33 01 30 51-0213	EA	2" Coupling, 4" Middle Ring With High Temp Carded Glass Gasket	264.66	
33 01 30 51-0214	EA	2" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	286.70	
33 01 30 51-0215	EA	2" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	297.93	
33 01 30 51-0216	EA	3" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	338.64	
33 01 30 51-0217	EA	3" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	336.10	
33 01 30 51-0218	EA	4" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	372.20	
33 01 30 51-0219	EA	4" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	383.12	
33 01 30 51-0220	EA	5" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	524.00	
33 01 30 51-0221	EA	5" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	538.49	
33 01 30 51-0222	EA	6" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	554.73	
33 01 30 51-0223	EA	6" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	564.34	
33 01 30 51-0224	EA	8" Coupling, 4" Middle Ring With High Temp Carded Glass Gasket	568.70	
33 01 30 51-0225	EA	8" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	712.90	
33 01 30 51-0226	EA	8" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	771.71	
33 01 30 51-0227	EA	10" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	782.48	
33 01 30 51-0228	EA	10" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	782.28	
33 01 30 51-0229	EA	12" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	1,002.96	
33 01 30 51-0230	EA	12" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	1,047.25	
33 01 30 51-0231	EA	14" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	1,215.47	
33 01 30 51-0232	EA	16" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	1,536.13	
33 01 30 51-0233	EA	18" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	1,492.26	
33 01 30 51-0234	EA	20" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	1,667.65	
33 01 30 51-0235	EA	22" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	1,808.79	
33 01 30 51-0236	EA	24" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	1,968.06	
33 01 30 51-0237		**Couplings And Fittings For Steel Pipe, Cast Body, Compression** *(33 01 30 51-0079)*		
		Note: Includes gaskets. Dresser style 90.		
33 01 30 51-0238		**Couplings For Steel Pipe, Cast Body (Compression)** *(33 01 30 51-0237)*		
		Note: Includes gaskets.		
33 01 30 51-0239	EA	1/2" Coupling, Cast Body (Compression), 5" Middle Ring	75.37	
33 01 30 51-0240	EA	3/4" Coupling, Cast Body (Compression), 5" Middle Ring	74.84	
33 01 30 51-0241	EA	1" Coupling, Cast Body (Compression), 5" Middle Ring	83.90	
33 01 30 51-0242	EA	1-1/4" Coupling, Cast Body (Compression), 5" Middle Ring	93.06	
33 01 30 51-0243	EA	1-1/2" Coupling, Cast Body (Compression), 5" Middle Ring	114.85	
33 01 30 51-0244	EA	2" Coupling, Cast Body (Compression), 5" Middle Ring	139.99	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0245	EA	1/2" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	77.68	
33 01 30 51-0246	EA	3/4" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	77.40	
33 01 30 51-0247	EA	1" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	84.28	
33 01 30 51-0248	EA	1-1/4" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	94.25	
33 01 30 51-0249	EA	1-1/2" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	118.74	
33 01 30 51-0250	EA	2" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	141.71	
33 01 30 51-0251	EA	3/4" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	154.39	
33 01 30 51-0252	EA	1" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	180.65	
33 01 30 51-0253	EA	1-1/4" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	186.79	
33 01 30 51-0254	EA	1-1/2" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	208.38	
33 01 30 51-0255	EA	2" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	253.85	

33 01 30 51-0256 Reducing Couplings For Steel Pipe (Compression) *(33 01 30 51-0237)*

Note: Includes armored gaskets.

33 01 30 51-0257	EA	3/4" x 1/2" Reducing Coupling (Compression)	82.58	
33 01 30 51-0258	EA	1" x 3/4" Reducing Coupling (Compression)	86.42	
33 01 30 51-0259	EA	1-1/4" x 3/4" Reducing Coupling (Compression)	97.29	
33 01 30 51-0260	EA	1-1/4" x 1" Reducing Coupling (Compression)	101.56	
33 01 30 51-0261	EA	1-1/2" x 3/4" Reducing Coupling (Compression)	204.10	
33 01 30 51-0262	EA	1-1/2" x 1" Reducing Coupling (Compression)	121.48	
33 01 30 51-0263	EA	1-1/2" x 1-1/4" Reducing Coupling (Compression)	122.08	
33 01 30 51-0264	EA	2" x 3/4" Reducing Coupling (Compression)	243.68	
33 01 30 51-0265	EA	2" x 1" Reducing Coupling (Compression)	219.94	
33 01 30 51-0266	EA	2" x 1-1/4" Reducing Coupling (Compression)	163.47	
33 01 30 51-0267	EA	2" x 1-1/2" Reducing Coupling (Compression)	162.84	

33 01 30 51-0268 Steel Compression Repair Fittings, Elbows *(33 01 30 51-0237)*

Note: Includes armored gaskets.

33 01 30 51-0269	EA	1" 45 Degree Elbow (Compression)	140.90	
33 01 30 51-0270	EA	1-1/4" 45 Degree Elbow (Compression)	145.70	
33 01 30 51-0271	EA	1-1/2" 45 Degree Elbow (Compression)	188.75	
33 01 30 51-0272	EA	2" 45 Degree Elbow (Compression)	239.24	
33 01 30 51-0273	EA	3/4" 90 Degree Elbow (Compression)	92.43	
33 01 30 51-0274	EA	1" 90 Degree Elbow (Compression)	94.66	
33 01 30 51-0275	EA	1-1/4" 90 Degree Elbow (Compression)	111.17	
33 01 30 51-0276	EA	1-1/2" 90 Degree Elbow (Compression)	160.75	
33 01 30 51-0277	EA	2" 90 Degree Elbow (Compression)	174.49	
33 01 30 51-0278	EA	3/4" Plain End 90 Degree Street Elbow (Compression)	92.75	
33 01 30 51-0279	EA	1" Plain End 90 Degree Street Elbow (Compression)	79.27	
33 01 30 51-0280	EA	1-1/4" Plain End 90 Degree Street Elbow (Compression)	89.39	
33 01 30 51-0281	EA	1-1/2" Plain End 90 Degree Street Elbow (Compression)	113.26	
33 01 30 51-0282	EA	2" Plain End 90 Degree Street Elbow (Compression)	147.63	
33 01 30 51-0283	EA	3/4" Threaded End 90 Degree Street Elbow (Compression)	96.10	
33 01 30 51-0284	EA	1" Threaded End 90 Degree Street Elbow (Compression)	85.53	
33 01 30 51-0285	EA	1-1/4" Threaded End 90 Degree Street Elbow (Compression)	112.66	
33 01 30 51-0286	EA	1-1/2" Threaded End 90 Degree Street Elbow (Compression)	135.46	
33 01 30 51-0287	EA	2" Threaded End 90 Degree Street Elbow (Compression)	195.12	

33 01 30 51-0288 Steel Compression Repair Fittings, Tees *(33 01 30 51-0237)*

Note: Includes armored gaskets.

33 01 30 51-0289	EA	3/4" Street Tee (Compression)	98.27	
33 01 30 51-0290	EA	1" Street Tee (Compression)	115.81	
33 01 30 51-0291	EA	1-1/4" Street Tee (Compression)	115.07	
33 01 30 51-0292	EA	1-1/2" Street Tee (Compression)	131.24	
33 01 30 51-0293	EA	2" Street Tee (Compression)	205.21	
33 01 30 51-0294	EA	1-1/4" x 1-1/4" x 1" Reducing Street Tee (Compression)	113.86	
33 01 30 51-0295	EA	1-1/4" x 1" x 1-1/4" Reducing Street Tee (Compression)	119.93	
33 01 30 51-0296	EA	1-1/2" x 1-1/2" x 1" Reducing Street Tee (Compression)	150.24	
33 01 30 51-0297	EA	1-1/2" x 1-1/2" x 1-1/4" Reducing Street Tee (Compression)	177.64	
33 01 30 51-0298	EA	1-1/2" x 1" x 1-1/2" Reducing Street Tee (Compression)	178.85	
33 01 30 51-0299	EA	1-1/2" x 1-1/4" x 1-1/2" Reducing Street Tee (Compression)	147.66	
33 01 30 51-0300	EA	2" x 1-1/4" x 2" Reducing Street Tee (Compression)	199.28	
33 01 30 51-0301	EA	2" x 1-1/2" x 2" Reducing Street Tee (Compression)	229.73	
33 01 30 51-0302	EA	3/4" Welding Street Tee (Compression)	189.60	
33 01 30 51-0303	EA	1" Welding Street Tee (Compression)	188.10	
33 01 30 51-0304	EA	1-1/4" Welding Street Tee (Compression)	200.74	
33 01 30 51-0305	EA	1-1/2" Welding Street Tee (Compression)	240.83	
33 01 30 51-0306	EA	2" Welding Street Tee (Compression)	327.44	
33 01 30 51-0307	EA	3/4" Regular Tee (Compression)	136.47	
33 01 30 51-0308	EA	1" Regular Tee (Compression)	246.06	
33 01 30 51-0309	EA	1-1/4" Regular Tee (Compression)	258.58	
33 01 30 51-0310	EA	1-1/2" Regular Tee (Compression)	274.75	
33 01 30 51-0311	EA	2" Regular Tee (Compression)	302.78	
33 01 30 51-0312	EA	2" x 2" x 1-1/4" Regular Reducing Tee (Compression)	297.91	

33 01 30 51-0313 Steel Compression Repair Fittings, Male Adapters *(33 01 30 51-0237)*

Note: Includes armored gaskets.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0314	EA	3/4" Male Adapter (Compression)	92.15	
33 01 30 51-0315	EA	1" Male Adapter (Compression)	102.25	
33 01 30 51-0316	EA	1-1/4" Male Adapter (Compression)	134.90	
33 01 30 51-0317	EA	1-1/2" Male Adapter (Compression)	151.01	
33 01 30 51-0318	EA	2" Male Adapter (Compression)	169.39	
33 01 30 51-0319	EA	1" x 1-1/4" Male Adapter (Compression)	134.12	
33 01 30 51-0320		Steel Compression Repair Fittings, Line Caps *(33 01 30 51-0237)*		
		Note: Includes armored gaskets.		
33 01 30 51-0321	EA	3/4" Line Caps (Compression)	49.82	
33 01 30 51-0322	EA	1" Line Caps (Compression)	58.00	
33 01 30 51-0323	EA	1-1/4" Line Caps (Compression)	66.31	
33 01 30 51-0324	EA	1-1/2" Line Caps (Compression)	77.62	
33 01 30 51-0325	EA	2" Line Caps (Compression)	96.10	
33 01 30 51-0326		Grind Offset Joint *(33 01 30 51-0001)*		
33 01 30 51-0327	EA	6" To 10", Grind Drop Offset Joint	442.30	
33 01 30 51-0328	EA	>10" To 15", Grind Drop Offset Joint	589.73	
33 01 30 51-0329	EA	>15" To 24", Grind Drop Offset Joint	737.17	
33 01 30 51-0330	EA	>24" To 30", Grind Drop Offset Joint	884.60	
33 01 30 51-0331		Pipe Plugging *(33 01 30 51-0001)*		
33 01 30 51-0332		Gravity Bladder Type, Temporary Pipe Plugging *(33 01 30 51-0331)*		
		Note: Includes insertion of expandable bladder device into pipe, expanding to block flow and removal.		
33 01 30 51-0333	EA	3/4" Bladder Type, Temporary Pipe Plug	82.77	
33 01 30 51-0334	EA	1" Bladder Type, Temporary Pipe Plug	88.51	
33 01 30 51-0335	EA	1-1/4" Bladder Type, Temporary Pipe Plug	95.30	
33 01 30 51-0336	EA	1-1/2" Bladder Type, Temporary Pipe Plug	101.68	
33 01 30 51-0337	EA	2" Bladder Type, Temporary Pipe Plug	107.83	
33 01 30 51-0338	EA	2-1/2" Bladder Type, Temporary Pipe Plug	114.61	
33 01 30 51-0339	EA	3" Bladder Type, Temporary Pipe Plug	122.93	
33 01 30 51-0340	EA	4" Bladder Type, Temporary Pipe Plug	135.14	
33 01 30 51-0341	EA	5" Bladder Type, Temporary Pipe Plug	146.52	
33 01 30 51-0342	EA	6" Bladder Type, Temporary Pipe Plug	163.55	
33 01 30 51-0343	EA	8" Bladder Type, Temporary Pipe Plug	181.49	
33 01 30 51-0344	EA	10" Bladder Type, Temporary Pipe Plug	210.43	
33 01 30 51-0345	EA	12" Bladder Type, Temporary Pipe Plug	244.21	
33 01 30 51-0346	EA	14" Bladder Type, Temporary Pipe Plug	291.02	
33 01 30 51-0347	EA	16" Bladder Type, Temporary Pipe Plug	350.77	
33 01 30 51-0348	EA	18" Bladder Type, Temporary Pipe Plug	422.52	
33 01 30 51-0349	EA	20" Bladder Type, Temporary Pipe Plug	502.08	
33 01 30 51-0350	EA	24" Bladder Type, Temporary Pipe Plug	579.06	
33 01 30 51-0351		Hydra Stop, Hot Tapping Of Pressure Pipe *(33 01 30 51-0331)*		
		Note: Includes flanged or threaded lateral outlet, cutting and tapping pipe, insertion of expandable bladder device into pipe, expanding to block flow, and removal of bladder/cutting device.		
33 01 30 51-0352	EA	2" Hydra Stop, Line Stopper	2,867.28	
33 01 30 51-0353	EA	2-1/2" Hydra Stop, Line Stopper	3,597.90	
33 01 30 51-0354	EA	3" Hydra Stop, Line Stopper	4,411.28	
33 01 30 51-0355	EA	4" Hydra Stop, Line Stopper	5,320.68	
33 01 30 51-0356	EA	5" Hydra Stop, Line Stopper	5,995.53	
33 01 30 51-0357	EA	6" Hydra Stop, Line Stopper	7,069.34	
33 01 30 51-0358	EA	8" Hydra Stop, Line Stopper	7,744.21	
33 01 30 51-0359	EA	10" Hydra Stop, Line Stopper	8,817.97	
33 01 30 51-0360	EA	12" Hydra Stop, Line Stopper	9,891.78	
33 01 30 51-0361	EA	14" Hydra Stop, Line Stopper	11,034.54	
33 01 30 51-0362	EA	16" Hydra Stop, Line Stopper	12,591.24	
33 01 30 51-0363	EA	18" Hydra Stop, Line Stopper	14,354.86	
33 01 30 51-0364	EA	20" Hydra Stop, Line Stopper	17,084.10	
33 01 30 51-0365		Aluminum Expansion Plugs *(33 01 30 51-0331)*		
		Note: For use with PVC, clay Or cast iron drainage pipe.		
33 01 30 51-0366	EA	3" Pipe Aluminum Expansion Plug	78.57	
33 01 30 51-0367	EA	4" Pipe Aluminum Expansion Plug	114.09	
33 01 30 51-0368	EA	5" Pipe Aluminum Expansion Plug	128.69	
33 01 30 51-0369	EA	6" Pipe Aluminum Expansion Plug	196.82	
33 01 30 51-0370	EA	8" Pipe Aluminum Expansion Plug	202.12	
33 01 30 51-0371	EA	10" Pipe Aluminum Expansion Plug	253.49	
33 01 30 51-0372	EA	12" Pipe Aluminum Expansion Plug	343.97	
33 01 30 51-0373	EA	14" Pipe Aluminum Expansion Plug	557.81	
33 01 30 51-0374	EA	15" Pipe Aluminum Expansion Plug	604.35	
33 01 30 51-0375		Pipe Repair Clamp, Stainless Steel, 3" Long *(33 01 30 51-0001)*		
33 01 30 51-0376	EA	1/2" Diameter Pipe Clamp, Stainless Steel, 3" Long	164.54	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0377	EA	3/4" Diameter Pipe Clamp, Stainless Steel, 3" Long	165.09	
33 01 30 51-0378	EA	1" Diameter Pipe Clamp, Stainless Steel, 3" Long	166.48	
33 01 30 51-0379	EA	1-1/4" Diameter Pipe Clamp, Stainless Steel, 3" Long	167.87	
33 01 30 51-0380	EA	1-1/2" Diameter Pipe Clamp, Stainless Steel, 3" Long	168.57	
33 01 30 51-0381	EA	2" Diameter Pipe Clamp, Stainless Steel, 3" Long	170.65	
33 01 30 51-0382	EA	2-1/2" Diameter Pipe Clamp, Stainless Steel, 3" Long	172.74	
33 01 30 51-0383	EA	3" Diameter Pipe Clamp, Stainless Steel, 3" Long	175.52	
33 01 30 51-0384	EA	4" Diameter Pipe Clamp, Stainless Steel, 3" Long	302.16	
33 01 30 51-0385	EA	6" Diameter Pipe Clamp, Stainless Steel, 3" Long	311.19	
33 01 30 51-0386	EA	8" Diameter Pipe Clamp, Stainless Steel, 3" Long	317.45	
33 01 30 51-0387	EA	10" Diameter Pipe Clamp, Stainless Steel, 3" Long	383.50	
33 01 30 51-0388	EA	12" Diameter Pipe Clamp, Stainless Steel, 3" Long	391.84	
33 01 30 51-0389	EA	14" Diameter Pipe Clamp, Stainless Steel, 3" Long	397.40	
33 01 30 51-0390	EA	16" Diameter Pipe Clamp, Stainless Steel, 3" Long	405.75	
33 01 30 51-0391	EA	18" Diameter Pipe Clamp, Stainless Steel, 3" Long	414.09	
33 01 30 51-0392	EA	20" Diameter Pipe Clamp, Stainless Steel, 3" Long	425.21	
33 01 30 51-0393	EA	24" Diameter Pipe Clamp, Stainless Steel, 3" Long	444.68	
33 01 30 51-0394		PolySeal Pipe Coupler *(33 01 30 51-0001)*		
33 01 30 51-0395	EA	18" Diameter Pipe, PolySeal Repair Couplers (MarMac)	342.38	
33 01 30 51-0396	EA	24" Diameter Pipe, PolySeal Repair Couplers (MarMac)	386.43	

33 01 30 63 Sewer and Pipe Joint Sealing *(33 01 30)*

33 01 30 63-0001		Joint Air Test *(33 01 30 63)*		
33 01 30 63-0002	EA	4" To 8", Joint Air Test	100.17	
33 01 30 63-0003	EA	10" To 15", Joint Air Test	116.86	
33 01 30 63-0004	EA	>15" To 21", Joint Air Test	133.55	
33 01 30 63-0005	EA	>21" To 24", Joint Air Test	166.94	
33 01 30 63-0006	EA	>24" To 27", Joint Air Test	200.33	
33 01 30 63-0007	EA	>27" To 36", Joint Air Test	233.72	
33 01 30 63-0008		Joint Seal And Joint Air Retest *(33 01 30 63)* Note: Includes grout.		
33 01 30 63-0009	EA	4" Joint Seal And Joint Air Retest Note: Includes up to 1 gallon of grout.	304.31	
33 01 30 63-0010	EA	6" Joint Seal And Joint Air Retest Note: Includes 1 gallon of grout.	337.70	
33 01 30 63-0011	EA	8" Joint Seal And Joint Air Retest Note: Includes 2 gallons of grout.	408.27	
33 01 30 63-0012	EA	10" Joint Seal And Joint Air Retest Note: Includes 2.5 gallons of grout.	460.27	
33 01 30 63-0013	EA	12" Joint Seal And Joint Air Retest Note: Includes 3 gallons of grout.	512.26	
33 01 30 63-0014	EA	15" Joint Seal And Joint Air Retest Note: Includes 3.75 gallons of grout.	606.94	
33 01 30 63-0015	EA	18" Joint Seal And Joint Air Retest Note: Includes 4.5 gallons of grout.	701.60	
33 01 30 63-0016	EA	21" Joint Seal And Joint Air Retest Note: Includes 5.25 gallons of grout.	796.28	
33 01 30 63-0017	EA	24" Joint Seal And Joint Air Retest Note: Includes 6 gallons of grout.	924.35	
33 01 30 63-0018	EA	27" Joint Seal And Joint Air Retest Note: Includes 6.75 gallons of grout.	1,052.41	
33 01 30 63-0019	EA	30" Joint Seal And Joint Air Retest Note: Includes 7.5 gallons of grout.	1,213.85	
33 01 30 63-0020	EA	36" Joint Seal And Joint Air Retest Note: Includes 9 gallons of grout.	1,403.22	
33 01 30 63-0021	GAL	Extra Grout Per Joint Note: For extra grout per joint required over listed amount.	170.75	

33 01 30 71 Relining Sewers *(33 01 30)*

33 01 30 71-0001		Relining Underground Pipelines *(33 01 30 71)* Note: Excludes CCTV inspection, sewer cleaning, pavement both temporary and permanent, emergency after hour response for owners' backups. See CSI section 01 22 20 00-0000 for hourly rates for after hours response for homeowners backups, 32 01 17 63-0000 for temporary pavement, 32 12 16 00-0000 for permanent pavement, 33 01 30 11-0000 for CCTV Inspection, 33 01 30 41-0002 for sewer cleaning.		
33 01 30 71-0002		Lining Pipe, Spray Applied With Structural Polyurethane *(33 01 30 71-0001)* Note: Two part structural polyurethane.		
33 01 30 71-0003		Mobilization And Setup For Spray Applied Structural Polyurethane Lining *(33 01 30 71-0002)*		
33 01 30 71-0004	EA	Initial Set Up And Final Equipment Removal For Spray Applied Structural Polyurethane Lining	2,076.12	
33 01 30 71-0005		Lining Pipe, Spray Applied With 100 mil Structural Polyurethane *(33 01 30 71-0002)* Note: Two part structural polyurethane.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0006	LF	36" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	62.89	
		For Up To 75, Add	*13.70*	
		For >75 To 150, Add	*6.29*	
		For >500 To 1,000, Deduct	*-1.71*	
		For >1,000 To 2,000, Deduct	*-3.30*	
		For >2,000 To 5,000, Deduct	*-5.12*	
		For >5,000, Deduct	*-7.41*	
33 01 30 71-0007	LF	42" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	73.35	
		For Up To 75, Add	*15.98*	
		For >75 To 150, Add	*7.34*	
		For >500 To 1,000, Deduct	*-1.99*	
		For >1,000 To 2,000, Deduct	*-3.85*	
		For >2,000 To 5,000, Deduct	*-5.97*	
		For >5,000, Deduct	*-8.64*	
33 01 30 71-0008	LF	48" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	83.84	
		For Up To 75, Add	*18.26*	
		For >75 To 150, Add	*8.38*	
		For >500 To 1,000, Deduct	*-2.27*	
		For >1,000 To 2,000, Deduct	*-4.40*	
		For >2,000 To 5,000, Deduct	*-6.82*	
		For >5,000, Deduct	*-9.88*	
33 01 30 71-0009	LF	54" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	94.32	
		For Up To 75, Add	*20.54*	
		For >75 To 150, Add	*9.43*	
		For >500 To 1,000, Deduct	*-2.56*	
		For >1,000 To 2,000, Deduct	*-4.95*	
		For >2,000 To 5,000, Deduct	*-7.67*	
		For >5,000, Deduct	*-11.11*	
33 01 30 71-0010	LF	60" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	104.81	
		For Up To 75, Add	*22.83*	
		For >75 To 150, Add	*10.48*	
		For >500 To 1,000, Deduct	*-2.84*	
		For >1,000 To 2,000, Deduct	*-5.50*	
		For >2,000 To 5,000, Deduct	*-8.53*	
		For >5,000, Deduct	*-12.35*	
33 01 30 71-0011	LF	66" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	115.28	
		For Up To 75, Add	*25.11*	
		For >75 To 150, Add	*11.53*	
		For >500 To 1,000, Deduct	*-3.13*	
		For >1,000 To 2,000, Deduct	*-6.05*	
		For >2,000 To 5,000, Deduct	*-9.38*	
		For >5,000, Deduct	*-13.58*	
33 01 30 71-0012	LF	72" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	125.76	
		For Up To 75, Add	*27.39*	
		For >75 To 150, Add	*12.58*	
		For >500 To 1,000, Deduct	*-3.41*	
		For >1,000 To 2,000, Deduct	*-6.60*	
		For >2,000 To 5,000, Deduct	*-10.23*	
		For >5,000, Deduct	*-14.82*	
33 01 30 71-0013	LF	78" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	136.24	
		For Up To 75, Add	*29.67*	
		For >75 To 150, Add	*13.62*	
		For >500 To 1,000, Deduct	*-3.70*	
		For >1,000 To 2,000, Deduct	*-7.15*	
		For >2,000 To 5,000, Deduct	*-11.09*	
		For >5,000, Deduct	*-16.05*	
33 01 30 71-0014	LF	84" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	146.73	
		For Up To 75, Add	*31.96*	
		For >75 To 150, Add	*14.67*	
		For >500 To 1,000, Deduct	*-3.98*	
		For >1,000 To 2,000, Deduct	*-7.70*	
		For >2,000 To 5,000, Deduct	*-11.94*	
		For >5,000, Deduct	*-17.29*	
33 01 30 71-0015	LF	90" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	157.20	
		For Up To 75, Add	*34.24*	
		For >75 To 150, Add	*15.72*	
		For >500 To 1,000, Deduct	*-4.26*	
		For >1,000 To 2,000, Deduct	*-8.25*	
		For >2,000 To 5,000, Deduct	*-12.79*	
		For >5,000, Deduct	*-18.52*	
33 01 30 71-0016	LF	96" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	167.68	
		For Up To 75, Add	*36.52*	
		For >75 To 150, Add	*16.77*	
		For >500 To 1,000, Deduct	*-4.55*	
		For >1,000 To 2,000, Deduct	*-8.80*	
		For >2,000 To 5,000, Deduct	*-13.64*	
		For >5,000, Deduct	*-19.75*	
33 01 30 71-0017	LF	102" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	178.17	
		For Up To 75, Add	*38.81*	
		For >75 To 150, Add	*17.82*	
		For >500 To 1,000, Deduct	*-4.83*	
		For >1,000 To 2,000, Deduct	*-9.35*	
		For >2,000 To 5,000, Deduct	*-14.50*	
		For >5,000, Deduct	*-20.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0018	LF	108" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	188.65	
		For Up To 75, Add	*41.09*	
		For >75 To 150, Add	*18.87*	
		For >500 To 1,000, Deduct	*-5.12*	
		For >1,000 To 2,000, Deduct	*-9.90*	
		For >2,000 To 5,000, Deduct	*-15.35*	
		For >5,000, Deduct	*-22.22*	
33 01 30 71-0019	LF	114" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	199.13	
		For Up To 75, Add	*43.37*	
		For >75 To 150, Add	*19.91*	
		For >500 To 1,000, Deduct	*-5.40*	
		For >1,000 To 2,000, Deduct	*-10.45*	
		For >2,000 To 5,000, Deduct	*-16.20*	
		For >5,000, Deduct	*-23.46*	
33 01 30 71-0020	LF	120" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	209.61	
		For Up To 75, Add	*45.65*	
		For >75 To 150, Add	*20.96*	
		For >500 To 1,000, Deduct	*-5.69*	
		For >1,000 To 2,000, Deduct	*-11.00*	
		For >2,000 To 5,000, Deduct	*-17.06*	
		For >5,000, Deduct	*-24.69*	
33 01 30 71-0021	SF	Structure Lining, Spray Applied With 100 mil Structural Polyurethane	6.68	

33 01 30 71-0022 Lining Pipe, Spray Applied With 150 mil Structural Polyurethane *(33 01 30 71-0002)*

Note: Two part structural polyurethane.

33 01 30 71-0023	LF	36" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	84.35	
		For Up To 75, Add	*18.05*	
		For >75 To 150, Add	*8.44*	
		For >500 To 1,000, Deduct	*-2.16*	
		For >1,000 To 2,000, Deduct	*-4.20*	
		For >2,000 To 5,000, Deduct	*-6.48*	
		For >5,000, Deduct	*-9.61*	
33 01 30 71-0024	LF	42" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	98.39	
		For Up To 75, Add	*21.05*	
		For >75 To 150, Add	*9.84*	
		For >500 To 1,000, Deduct	*-2.52*	
		For >1,000 To 2,000, Deduct	*-4.90*	
		For >2,000 To 5,000, Deduct	*-7.55*	
		For >5,000, Deduct	*-11.21*	
33 01 30 71-0025	LF	48" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	112.45	
		For Up To 75, Add	*24.06*	
		For >75 To 150, Add	*11.25*	
		For >500 To 1,000, Deduct	*-2.88*	
		For >1,000 To 2,000, Deduct	*-5.60*	
		For >2,000 To 5,000, Deduct	*-8.63*	
		For >5,000, Deduct	*-12.82*	
33 01 30 71-0026	LF	54" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	126.51	
		For Up To 75, Add	*27.07*	
		For >75 To 150, Add	*12.65*	
		For >500 To 1,000, Deduct	*-3.24*	
		For >1,000 To 2,000, Deduct	*-6.30*	
		For >2,000 To 5,000, Deduct	*-9.71*	
		For >5,000, Deduct	*-14.42*	
33 01 30 71-0027	LF	60" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	140.57	
		For Up To 75, Add	*30.08*	
		For >75 To 150, Add	*14.06*	
		For >500 To 1,000, Deduct	*-3.60*	
		For >1,000 To 2,000, Deduct	*-7.00*	
		For >2,000 To 5,000, Deduct	*-10.79*	
		For >5,000, Deduct	*-16.02*	
33 01 30 71-0028	LF	66" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	154.62	
		For Up To 75, Add	*33.08*	
		For >75 To 150, Add	*15.46*	
		For >500 To 1,000, Deduct	*-3.96*	
		For >1,000 To 2,000, Deduct	*-7.70*	
		For >2,000 To 5,000, Deduct	*-11.87*	
		For >5,000, Deduct	*-17.62*	
33 01 30 71-0029	LF	72" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	168.69	
		For Up To 75, Add	*36.10*	
		For >75 To 150, Add	*16.87*	
		For >500 To 1,000, Deduct	*-4.32*	
		For >1,000 To 2,000, Deduct	*-8.40*	
		For >2,000 To 5,000, Deduct	*-12.95*	
		For >5,000, Deduct	*-19.23*	
33 01 30 71-0030	LF	78" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	182.73	
		For Up To 75, Add	*39.10*	
		For >75 To 150, Add	*18.27*	
		For >500 To 1,000, Deduct	*-4.68*	
		For >1,000 To 2,000, Deduct	*-9.10*	
		For >2,000 To 5,000, Deduct	*-14.03*	
		For >5,000, Deduct	*-20.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0031	LF	84" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	196.80	
		For Up To 75, Add	*42.11*	
		For >75 To 150, Add	*19.68*	
		For >500 To 1,000, Deduct	*-5.04*	
		For >1,000 To 2,000, Deduct	*-9.80*	
		For >2,000 To 5,000, Deduct	*-15.11*	
		For >5,000, Deduct	*-22.43*	
33 01 30 71-0032	LF	90" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	210.85	
		For Up To 75, Add	*45.12*	
		For >75 To 150, Add	*21.09*	
		For >500 To 1,000, Deduct	*-5.40*	
		For >1,000 To 2,000, Deduct	*-10.50*	
		For >2,000 To 5,000, Deduct	*-16.19*	
		For >5,000, Deduct	*-24.03*	
33 01 30 71-0033	LF	96" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	224.91	
		For Up To 75, Add	*48.13*	
		For >75 To 150, Add	*22.49*	
		For >500 To 1,000, Deduct	*-5.76*	
		For >1,000 To 2,000, Deduct	*-11.20*	
		For >2,000 To 5,000, Deduct	*-17.27*	
		For >5,000, Deduct	*-25.63*	
33 01 30 71-0034	LF	102" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	238.97	
		For Up To 75, Add	*51.13*	
		For >75 To 150, Add	*23.90*	
		For >500 To 1,000, Deduct	*-6.12*	
		For >1,000 To 2,000, Deduct	*-11.90*	
		For >2,000 To 5,000, Deduct	*-18.35*	
		For >5,000, Deduct	*-27.24*	
33 01 30 71-0035	LF	108" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	253.03	
		For Up To 75, Add	*54.14*	
		For >75 To 150, Add	*25.30*	
		For >500 To 1,000, Deduct	*-6.48*	
		For >1,000 To 2,000, Deduct	*-12.60*	
		For >2,000 To 5,000, Deduct	*-19.43*	
		For >5,000, Deduct	*-28.84*	
33 01 30 71-0036	LF	114" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	267.08	
		For Up To 75, Add	*57.15*	
		For >75 To 150, Add	*26.71*	
		For >500 To 1,000, Deduct	*-6.83*	
		For >1,000 To 2,000, Deduct	*-13.30*	
		For >2,000 To 5,000, Deduct	*-20.50*	
		For >5,000, Deduct	*-30.44*	
33 01 30 71-0037	LF	120" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	281.14	
		For Up To 75, Add	*60.16*	
		For >75 To 150, Add	*28.11*	
		For >500 To 1,000, Deduct	*-7.19*	
		For >1,000 To 2,000, Deduct	*-14.00*	
		For >2,000 To 5,000, Deduct	*-21.58*	
		For >5,000, Deduct	*-32.04*	
33 01 30 71-0038	SF	Structure Lining, Spray Applied With 150 mil Structural Polyurethane	8.95	

33 01 30 71-0039 Lining Pipe, Spray Applied With 200 mil Structural Polyurethane *(33 01 30 71-0002)*

Note: Two part structural polyurethane.

33 01 30 71-0040	LF	36" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	105.78	
		For Up To 75, Add	*22.40*	
		For >75 To 150, Add	*10.58*	
		For >500 To 1,000, Deduct	*-2.61*	
		For >1,000 To 2,000, Deduct	*-5.10*	
		For >2,000 To 5,000, Deduct	*-7.84*	
		For >5,000, Deduct	*-11.82*	
33 01 30 71-0041	LF	42" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	123.42	
		For Up To 75, Add	*26.13*	
		For >75 To 150, Add	*12.34*	
		For >500 To 1,000, Deduct	*-3.05*	
		For >1,000 To 2,000, Deduct	*-5.95*	
		For >2,000 To 5,000, Deduct	*-9.14*	
		For >5,000, Deduct	*-13.79*	
33 01 30 71-0042	LF	48" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	141.05	
		For Up To 75, Add	*29.86*	
		For >75 To 150, Add	*14.11*	
		For >500 To 1,000, Deduct	*-3.48*	
		For >1,000 To 2,000, Deduct	*-6.80*	
		For >2,000 To 5,000, Deduct	*-10.45*	
		For >5,000, Deduct	*-15.76*	
33 01 30 71-0043	LF	54" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	158.68	
		For Up To 75, Add	*33.60*	
		For >75 To 150, Add	*15.87*	
		For >500 To 1,000, Deduct	*-3.92*	
		For >1,000 To 2,000, Deduct	*-7.65*	
		For >2,000 To 5,000, Deduct	*-11.75*	
		For >5,000, Deduct	*-17.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0044	LF	60" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	176.32	
		For Up To 75, Add	*37.33*	
		For >75 To 150, Add	*17.63*	
		For >500 To 1,000, Deduct	*-4.35*	
		For >1,000 To 2,000, Deduct	*-8.50*	
		For >2,000 To 5,000, Deduct	*-13.06*	
		For >5,000, Deduct	*-19.70*	
33 01 30 71-0045	LF	66" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	193.94	
		For Up To 75, Add	*41.06*	
		For >75 To 150, Add	*19.39*	
		For >500 To 1,000, Deduct	*-4.79*	
		For >1,000 To 2,000, Deduct	*-9.35*	
		For >2,000 To 5,000, Deduct	*-14.37*	
		For >5,000, Deduct	*-21.67*	
33 01 30 71-0046	LF	72" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	211.58	
		For Up To 75, Add	*44.80*	
		For >75 To 150, Add	*21.16*	
		For >500 To 1,000, Deduct	*-5.22*	
		For >1,000 To 2,000, Deduct	*-10.20*	
		For >2,000 To 5,000, Deduct	*-15.67*	
		For >5,000, Deduct	*-23.64*	
33 01 30 71-0047	LF	78" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	229.20	
		For Up To 75, Add	*48.53*	
		For >75 To 150, Add	*22.92*	
		For >500 To 1,000, Deduct	*-5.66*	
		For >1,000 To 2,000, Deduct	*-11.05*	
		For >2,000 To 5,000, Deduct	*-16.98*	
		For >5,000, Deduct	*-25.61*	
33 01 30 71-0048	LF	84" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	246.84	
		For Up To 75, Add	*52.26*	
		For >75 To 150, Add	*24.68*	
		For >500 To 1,000, Deduct	*-6.09*	
		For >1,000 To 2,000, Deduct	*-11.90*	
		For >2,000 To 5,000, Deduct	*-18.28*	
		For >5,000, Deduct	*-27.58*	
33 01 30 71-0049	LF	90" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	264.47	
		For Up To 75, Add	*56.00*	
		For >75 To 150, Add	*26.45*	
		For >500 To 1,000, Deduct	*-6.53*	
		For >1,000 To 2,000, Deduct	*-12.75*	
		For >2,000 To 5,000, Deduct	*-19.59*	
		For >5,000, Deduct	*-29.55*	
33 01 30 71-0050	LF	96" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	282.10	
		For Up To 75, Add	*59.73*	
		For >75 To 150, Add	*28.21*	
		For >500 To 1,000, Deduct	*-6.97*	
		For >1,000 To 2,000, Deduct	*-13.60*	
		For >2,000 To 5,000, Deduct	*-20.90*	
		For >5,000, Deduct	*-31.52*	
33 01 30 71-0051	LF	102" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	299.73	
		For Up To 75, Add	*63.46*	
		For >75 To 150, Add	*29.97*	
		For >500 To 1,000, Deduct	*-7.40*	
		For >1,000 To 2,000, Deduct	*-14.45*	
		For >2,000 To 5,000, Deduct	*-22.20*	
		For >5,000, Deduct	*-33.49*	
33 01 30 71-0052	LF	108" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	317.36	
		For Up To 75, Add	*67.19*	
		For >75 To 150, Add	*31.74*	
		For >500 To 1,000, Deduct	*-7.84*	
		For >1,000 To 2,000, Deduct	*-15.30*	
		For >2,000 To 5,000, Deduct	*-23.51*	
		For >5,000, Deduct	*-35.46*	
33 01 30 71-0053	LF	114" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	335.00	
		For Up To 75, Add	*70.93*	
		For >75 To 150, Add	*33.50*	
		For >500 To 1,000, Deduct	*-8.27*	
		For >1,000 To 2,000, Deduct	*-16.15*	
		For >2,000 To 5,000, Deduct	*-24.81*	
		For >5,000, Deduct	*-37.43*	
33 01 30 71-0054	LF	120" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	352.62	
		For Up To 75, Add	*74.66*	
		For >75 To 150, Add	*35.26*	
		For >500 To 1,000, Deduct	*-8.71*	
		For >1,000 To 2,000, Deduct	*-17.00*	
		For >2,000 To 5,000, Deduct	*-26.12*	
		For >5,000, Deduct	*-39.40*	
33 01 30 71-0055	SF	Structure Lining, Spray Applied With 200 mil Structural Polyurethane	11.23	

33 01 30 71-0056 Lining Pipe, Spray Applied With 250 mil Structural Polyurethane *(33 01 30 71-0002)*

Note: Two part structural polyurethane.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0057	LF	36" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	127.33	
		For Up To 75, Add	*26.77*	
		For >75 To 150, Add	*12.73*	
		For >500 To 1,000, Deduct	*-3.07*	
		For >1,000 To 2,000, Deduct	*-6.01*	
		For >2,000 To 5,000, Deduct	*-9.21*	
		For >5,000, Deduct	*-14.04*	
33 01 30 71-0058	LF	42" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	148.57	
		For Up To 75, Add	*31.24*	
		For >75 To 150, Add	*14.86*	
		For >500 To 1,000, Deduct	*-3.58*	
		For >1,000 To 2,000, Deduct	*-7.01*	
		For >2,000 To 5,000, Deduct	*-10.74*	
		For >5,000, Deduct	*-16.38*	
33 01 30 71-0059	LF	48" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	169.78	
		For Up To 75, Add	*35.70*	
		For >75 To 150, Add	*16.98*	
		For >500 To 1,000, Deduct	*-4.09*	
		For >1,000 To 2,000, Deduct	*-8.01*	
		For >2,000 To 5,000, Deduct	*-12.28*	
		For >5,000, Deduct	*-18.72*	
33 01 30 71-0060	LF	54" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	191.01	
		For Up To 75, Add	*40.16*	
		For >75 To 150, Add	*19.10*	
		For >500 To 1,000, Deduct	*-4.60*	
		For >1,000 To 2,000, Deduct	*-9.01*	
		For >2,000 To 5,000, Deduct	*-13.81*	
		For >5,000, Deduct	*-21.06*	
33 01 30 71-0061	LF	60" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	212.22	
		For Up To 75, Add	*44.62*	
		For >75 To 150, Add	*21.22*	
		For >500 To 1,000, Deduct	*-5.12*	
		For >1,000 To 2,000, Deduct	*-10.01*	
		For >2,000 To 5,000, Deduct	*-15.35*	
		For >5,000, Deduct	*-23.40*	
33 01 30 71-0062	LF	66" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	233.45	
		For Up To 75, Add	*49.08*	
		For >75 To 150, Add	*23.35*	
		For >500 To 1,000, Deduct	*-5.63*	
		For >1,000 To 2,000, Deduct	*-11.01*	
		For >2,000 To 5,000, Deduct	*-16.88*	
		For >5,000, Deduct	*-25.74*	
33 01 30 71-0063	LF	72" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	254.68	
		For Up To 75, Add	*53.55*	
		For >75 To 150, Add	*25.47*	
		For >500 To 1,000, Deduct	*-6.14*	
		For >1,000 To 2,000, Deduct	*-12.02*	
		For >2,000 To 5,000, Deduct	*-18.42*	
		For >5,000, Deduct	*-28.08*	
33 01 30 71-0064	LF	78" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	275.89	
		For Up To 75, Add	*58.01*	
		For >75 To 150, Add	*27.59*	
		For >500 To 1,000, Deduct	*-6.65*	
		For >1,000 To 2,000, Deduct	*-13.02*	
		For >2,000 To 5,000, Deduct	*-19.95*	
		For >5,000, Deduct	*-30.42*	
33 01 30 71-0065	LF	84" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	297.12	
		For Up To 75, Add	*62.47*	
		For >75 To 150, Add	*29.71*	
		For >500 To 1,000, Deduct	*-7.16*	
		For >1,000 To 2,000, Deduct	*-14.02*	
		For >2,000 To 5,000, Deduct	*-21.48*	
		For >5,000, Deduct	*-32.76*	
33 01 30 71-0066	LF	90" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	318.34	
		For Up To 75, Add	*66.93*	
		For >75 To 150, Add	*31.83*	
		For >500 To 1,000, Deduct	*-7.67*	
		For >1,000 To 2,000, Deduct	*-15.02*	
		For >2,000 To 5,000, Deduct	*-23.02*	
		For >5,000, Deduct	*-35.10*	
33 01 30 71-0067	LF	96" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	339.57	
		For Up To 75, Add	*71.40*	
		For >75 To 150, Add	*33.96*	
		For >500 To 1,000, Deduct	*-8.18*	
		For >1,000 To 2,000, Deduct	*-16.02*	
		For >2,000 To 5,000, Deduct	*-24.55*	
		For >5,000, Deduct	*-37.44*	
33 01 30 71-0068	LF	102" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	360.78	
		For Up To 75, Add	*75.86*	
		For >75 To 150, Add	*36.08*	
		For >500 To 1,000, Deduct	*-8.70*	
		For >1,000 To 2,000, Deduct	*-17.02*	
		For >2,000 To 5,000, Deduct	*-26.09*	
		For >5,000, Deduct	*-39.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0069	LF	108" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	382.01	
		For Up To 75, Add	*80.32*	
		For >75 To 150, Add	*38.20*	
		For >500 To 1,000, Deduct	*-9.21*	
		For >1,000 To 2,000, Deduct	*-18.02*	
		For >2,000 To 5,000, Deduct	*-27.62*	
		For >5,000, Deduct	*-42.12*	
33 01 30 71-0070	LF	114" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	403.23	
		For Up To 75, Add	*84.78*	
		For >75 To 150, Add	*40.32*	
		For >500 To 1,000, Deduct	*-9.72*	
		For >1,000 To 2,000, Deduct	*-19.02*	
		For >2,000 To 5,000, Deduct	*-29.16*	
		For >5,000, Deduct	*-44.46*	
33 01 30 71-0071	LF	120" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	424.46	
		For Up To 75, Add	*89.25*	
		For >75 To 150, Add	*42.45*	
		For >500 To 1,000, Deduct	*-10.23*	
		For >1,000 To 2,000, Deduct	*-20.03*	
		For >2,000 To 5,000, Deduct	*-30.69*	
		For >5,000, Deduct	*-46.80*	
33 01 30 71-0072	SF	Structure Lining, Spray Applied With 250 mil Structural Polyurethane	13.51	

33 01 30 71-0073 Lining Pipe, Spray Applied With 300 mil Structural Polyurethane *(33 01 30 71-0002)*

Note: Two part structural polyurethane.

33 01 30 71-0074	LF	36" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	149.03	
		For Up To 75, Add	*31.18*	
		For >75 To 150, Add	*14.90*	
		For >500 To 1,000, Deduct	*-3.53*	
		For >1,000 To 2,000, Deduct	*-6.92*	
		For >2,000 To 5,000, Deduct	*-10.59*	
		For >5,000, Deduct	*-16.28*	
33 01 30 71-0075	LF	42" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	173.87	
		For Up To 75, Add	*36.38*	
		For >75 To 150, Add	*17.39*	
		For >500 To 1,000, Deduct	*-4.12*	
		For >1,000 To 2,000, Deduct	*-8.08*	
		For >2,000 To 5,000, Deduct	*-12.36*	
		For >5,000, Deduct	*-18.99*	
33 01 30 71-0076	LF	48" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	198.72	
		For Up To 75, Add	*41.58*	
		For >75 To 150, Add	*19.87*	
		For >500 To 1,000, Deduct	*-4.71*	
		For >1,000 To 2,000, Deduct	*-9.23*	
		For >2,000 To 5,000, Deduct	*-14.12*	
		For >5,000, Deduct	*-21.71*	
33 01 30 71-0077	LF	54" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	223.54	
		For Up To 75, Add	*46.77*	
		For >75 To 150, Add	*22.35*	
		For >500 To 1,000, Deduct	*-5.30*	
		For >1,000 To 2,000, Deduct	*-10.39*	
		For >2,000 To 5,000, Deduct	*-15.89*	
		For >5,000, Deduct	*-24.42*	
33 01 30 71-0078	LF	60" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	248.39	
		For Up To 75, Add	*51.97*	
		For >75 To 150, Add	*24.84*	
		For >500 To 1,000, Deduct	*-5.88*	
		For >1,000 To 2,000, Deduct	*-11.54*	
		For >2,000 To 5,000, Deduct	*-17.65*	
		For >5,000, Deduct	*-27.13*	
33 01 30 71-0079	LF	66" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	273.22	
		For Up To 75, Add	*57.16*	
		For >75 To 150, Add	*27.32*	
		For >500 To 1,000, Deduct	*-6.47*	
		For >1,000 To 2,000, Deduct	*-12.69*	
		For >2,000 To 5,000, Deduct	*-19.42*	
		For >5,000, Deduct	*-29.84*	
33 01 30 71-0080	LF	72" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	298.06	
		For Up To 75, Add	*62.36*	
		For >75 To 150, Add	*29.81*	
		For >500 To 1,000, Deduct	*-7.06*	
		For >1,000 To 2,000, Deduct	*-13.85*	
		For >2,000 To 5,000, Deduct	*-21.18*	
		For >5,000, Deduct	*-32.56*	
33 01 30 71-0081	LF	78" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	322.91	
		For Up To 75, Add	*67.56*	
		For >75 To 150, Add	*32.29*	
		For >500 To 1,000, Deduct	*-7.65*	
		For >1,000 To 2,000, Deduct	*-15.00*	
		For >2,000 To 5,000, Deduct	*-22.95*	
		For >5,000, Deduct	*-35.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0082	LF	84" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	347.73	
		For Up To 75, Add	*72.75*	
		For >75 To 150, Add	*34.77*	
		For >500 To 1,000, Deduct	*-8.24*	
		For >1,000 To 2,000, Deduct	*-16.15*	
		For >2,000 To 5,000, Deduct	*-24.71*	
		For >5,000, Deduct	*-37.98*	
33 01 30 71-0083	LF	90" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	372.58	
		For Up To 75, Add	*77.95*	
		For >75 To 150, Add	*37.26*	
		For >500 To 1,000, Deduct	*-8.83*	
		For >1,000 To 2,000, Deduct	*-17.31*	
		For >2,000 To 5,000, Deduct	*-26.48*	
		For >5,000, Deduct	*-40.70*	
33 01 30 71-0084	LF	96" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	397.42	
		For Up To 75, Add	*83.15*	
		For >75 To 150, Add	*39.74*	
		For >500 To 1,000, Deduct	*-9.41*	
		For >1,000 To 2,000, Deduct	*-18.46*	
		For >2,000 To 5,000, Deduct	*-28.24*	
		For >5,000, Deduct	*-43.41*	
33 01 30 71-0085	LF	102" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	422.26	
		For Up To 75, Add	*88.35*	
		For >75 To 150, Add	*42.23*	
		For >500 To 1,000, Deduct	*-10.00*	
		For >1,000 To 2,000, Deduct	*-19.62*	
		For >2,000 To 5,000, Deduct	*-30.01*	
		For >5,000, Deduct	*-46.12*	
33 01 30 71-0086	LF	108" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	447.09	
		For Up To 75, Add	*93.54*	
		For >75 To 150, Add	*44.71*	
		For >500 To 1,000, Deduct	*-10.59*	
		For >1,000 To 2,000, Deduct	*-20.77*	
		For >2,000 To 5,000, Deduct	*-31.77*	
		For >5,000, Deduct	*-48.83*	
33 01 30 71-0087	LF	114" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	471.93	
		For Up To 75, Add	*98.74*	
		For >75 To 150, Add	*47.19*	
		For >500 To 1,000, Deduct	*-11.18*	
		For >1,000 To 2,000, Deduct	*-21.92*	
		For >2,000 To 5,000, Deduct	*-33.54*	
		For >5,000, Deduct	*-51.55*	
33 01 30 71-0088	LF	120" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	496.77	
		For Up To 75, Add	*103.94*	
		For >75 To 150, Add	*49.68*	
		For >500 To 1,000, Deduct	*-11.77*	
		For >1,000 To 2,000, Deduct	*-23.08*	
		For >2,000 To 5,000, Deduct	*-35.31*	
		For >5,000, Deduct	*-54.26*	
33 01 30 71-0089	SF	Structure Lining, Spray Applied With 300 mil Structural Polyurethane	15.82	

33 01 30 71-0090 Lining Pipe, Spray Applied With 400 mil Structural Polyurethane *(33 01 30 71-0002)*

Note: Two part structural polyurethane.

33 01 30 71-0091	LF	36" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	192.50	
		For Up To 75, Add	*40.03*	
		For >75 To 150, Add	*19.25*	
		For >500 To 1,000, Deduct	*-4.46*	
		For >1,000 To 2,000, Deduct	*-8.77*	
		For >2,000 To 5,000, Deduct	*-13.38*	
		For >5,000, Deduct	*-20.78*	
33 01 30 71-0092	LF	42" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	224.59	
		For Up To 75, Add	*46.70*	
		For >75 To 150, Add	*22.46*	
		For >500 To 1,000, Deduct	*-5.20*	
		For >1,000 To 2,000, Deduct	*-10.23*	
		For >2,000 To 5,000, Deduct	*-15.61*	
		For >5,000, Deduct	*-24.24*	
33 01 30 71-0093	LF	48" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	256.66	
		For Up To 75, Add	*53.37*	
		For >75 To 150, Add	*25.67*	
		For >500 To 1,000, Deduct	*-5.95*	
		For >1,000 To 2,000, Deduct	*-11.69*	
		For >2,000 To 5,000, Deduct	*-17.84*	
		For >5,000, Deduct	*-27.70*	
33 01 30 71-0094	LF	54" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	288.75	
		For Up To 75, Add	*60.04*	
		For >75 To 150, Add	*28.88*	
		For >500 To 1,000, Deduct	*-6.69*	
		For >1,000 To 2,000, Deduct	*-13.15*	
		For >2,000 To 5,000, Deduct	*-20.07*	
		For >5,000, Deduct	*-31.17*	

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LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0095	LF	60" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	320.83	
		For Up To 75, Add	*66.71*	
		For >75 To 150, Add	*32.08*	
		For >500 To 1,000, Deduct	*-7.44*	
		For >1,000 To 2,000, Deduct	*-14.62*	
		For >2,000 To 5,000, Deduct	*-22.31*	
		For >5,000, Deduct	*-34.63*	
33 01 30 71-0096	LF	66" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	352.92	
		For Up To 75, Add	*73.39*	
		For >75 To 150, Add	*35.29*	
		For >500 To 1,000, Deduct	*-8.18*	
		For >1,000 To 2,000, Deduct	*-16.08*	
		For >2,000 To 5,000, Deduct	*-24.54*	
		For >5,000, Deduct	*-38.09*	
33 01 30 71-0097	LF	72" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	384.99	
		For Up To 75, Add	*80.05*	
		For >75 To 150, Add	*38.50*	
		For >500 To 1,000, Deduct	*-8.92*	
		For >1,000 To 2,000, Deduct	*-17.54*	
		For >2,000 To 5,000, Deduct	*-26.77*	
		For >5,000, Deduct	*-41.55*	
33 01 30 71-0098	LF	78" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	417.07	
		For Up To 75, Add	*86.72*	
		For >75 To 150, Add	*41.71*	
		For >500 To 1,000, Deduct	*-9.67*	
		For >1,000 To 2,000, Deduct	*-19.00*	
		For >2,000 To 5,000, Deduct	*-29.00*	
		For >5,000, Deduct	*-45.02*	
33 01 30 71-0099	LF	84" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	449.16	
		For Up To 75, Add	*93.40*	
		For >75 To 150, Add	*44.92*	
		For >500 To 1,000, Deduct	*-10.41*	
		For >1,000 To 2,000, Deduct	*-20.46*	
		For >2,000 To 5,000, Deduct	*-31.23*	
		For >5,000, Deduct	*-48.48*	
33 01 30 71-0100	LF	90" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	481.25	
		For Up To 75, Add	*100.07*	
		For >75 To 150, Add	*48.13*	
		For >500 To 1,000, Deduct	*-11.15*	
		For >1,000 To 2,000, Deduct	*-21.92*	
		For >2,000 To 5,000, Deduct	*-33.46*	
		For >5,000, Deduct	*-51.94*	
33 01 30 71-0101	LF	96" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	513.33	
		For Up To 75, Add	*106.74*	
		For >75 To 150, Add	*51.33*	
		For >500 To 1,000, Deduct	*-11.90*	
		For >1,000 To 2,000, Deduct	*-23.38*	
		For >2,000 To 5,000, Deduct	*-35.69*	
		For >5,000, Deduct	*-55.41*	
33 01 30 71-0102	LF	102" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	545.42	
		For Up To 75, Add	*113.41*	
		For >75 To 150, Add	*54.54*	
		For >500 To 1,000, Deduct	*-12.64*	
		For >1,000 To 2,000, Deduct	*-24.85*	
		For >2,000 To 5,000, Deduct	*-37.92*	
		For >5,000, Deduct	*-58.87*	
33 01 30 71-0103	LF	108" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	577.49	
		For Up To 75, Add	*120.08*	
		For >75 To 150, Add	*57.75*	
		For >500 To 1,000, Deduct	*-13.38*	
		For >1,000 To 2,000, Deduct	*-26.31*	
		For >2,000 To 5,000, Deduct	*-40.15*	
		For >5,000, Deduct	*-62.33*	
33 01 30 71-0104	LF	114" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	609.57	
		For Up To 75, Add	*126.75*	
		For >75 To 150, Add	*60.96*	
		For >500 To 1,000, Deduct	*-14.13*	
		For >1,000 To 2,000, Deduct	*-27.77*	
		For >2,000 To 5,000, Deduct	*-42.38*	
		For >5,000, Deduct	*-65.79*	
33 01 30 71-0105	LF	120" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	641.65	
		For Up To 75, Add	*133.42*	
		For >75 To 150, Add	*64.17*	
		For >500 To 1,000, Deduct	*-14.87*	
		For >1,000 To 2,000, Deduct	*-29.23*	
		For >2,000 To 5,000, Deduct	*-44.61*	
		For >5,000, Deduct	*-69.26*	
33 01 30 71-0106	SF	Structure Lining, Spray Applied With 400 mil Structural Polyurethane	20.42	

33 01 30 71-0107 Lining Pipe, Spray Applied With 500 mil Structural Polyurethane *(33 01 30 71-0002)*

Note: Two part structural polyurethane.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0108	LF	36" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	236.37	
		For Up To 75, Add	*48.97*	
		For >75 To 150, Add	*23.64*	
		For >500 To 1,000, Deduct	*-5.41*	
		For >1,000 To 2,000, Deduct	*-10.64*	
		For >2,000 To 5,000, Deduct	*-16.22*	
		For >5,000, Deduct	*-25.33*	
33 01 30 71-0109	LF	42" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	275.77	
		For Up To 75, Add	*57.13*	
		For >75 To 150, Add	*27.58*	
		For >500 To 1,000, Deduct	*-6.31*	
		For >1,000 To 2,000, Deduct	*-12.42*	
		For >2,000 To 5,000, Deduct	*-18.92*	
		For >5,000, Deduct	*-29.56*	
33 01 30 71-0110	LF	48" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	315.17	
		For Up To 75, Add	*65.30*	
		For >75 To 150, Add	*31.52*	
		For >500 To 1,000, Deduct	*-7.21*	
		For >1,000 To 2,000, Deduct	*-14.19*	
		For >2,000 To 5,000, Deduct	*-21.63*	
		For >5,000, Deduct	*-33.78*	
33 01 30 71-0111	LF	54" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	354.57	
		For Up To 75, Add	*73.46*	
		For >75 To 150, Add	*35.46*	
		For >500 To 1,000, Deduct	*-8.11*	
		For >1,000 To 2,000, Deduct	*-15.97*	
		For >2,000 To 5,000, Deduct	*-24.33*	
		For >5,000, Deduct	*-38.00*	
33 01 30 71-0112	LF	60" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	393.96	
		For Up To 75, Add	*81.62*	
		For >75 To 150, Add	*39.40*	
		For >500 To 1,000, Deduct	*-9.01*	
		For >1,000 To 2,000, Deduct	*-17.74*	
		For >2,000 To 5,000, Deduct	*-27.03*	
		For >5,000, Deduct	*-42.22*	
33 01 30 71-0113	LF	66" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	433.36	
		For Up To 75, Add	*89.78*	
		For >75 To 150, Add	*43.34*	
		For >500 To 1,000, Deduct	*-9.91*	
		For >1,000 To 2,000, Deduct	*-19.51*	
		For >2,000 To 5,000, Deduct	*-29.74*	
		For >5,000, Deduct	*-46.45*	
33 01 30 71-0114	LF	72" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	472.76	
		For Up To 75, Add	*97.95*	
		For >75 To 150, Add	*47.28*	
		For >500 To 1,000, Deduct	*-10.81*	
		For >1,000 To 2,000, Deduct	*-21.29*	
		For >2,000 To 5,000, Deduct	*-32.44*	
		For >5,000, Deduct	*-50.67*	
33 01 30 71-0115	LF	78" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	512.15	
		For Up To 75, Add	*106.11*	
		For >75 To 150, Add	*51.22*	
		For >500 To 1,000, Deduct	*-11.71*	
		For >1,000 To 2,000, Deduct	*-23.06*	
		For >2,000 To 5,000, Deduct	*-35.14*	
		For >5,000, Deduct	*-54.89*	
33 01 30 71-0116	LF	84" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	551.55	
		For Up To 75, Add	*114.27*	
		For >75 To 150, Add	*55.16*	
		For >500 To 1,000, Deduct	*-12.62*	
		For >1,000 To 2,000, Deduct	*-24.83*	
		For >2,000 To 5,000, Deduct	*-37.85*	
		For >5,000, Deduct	*-59.12*	
33 01 30 71-0117	LF	90" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	590.94	
		For Up To 75, Add	*122.43*	
		For >75 To 150, Add	*59.09*	
		For >500 To 1,000, Deduct	*-13.52*	
		For >1,000 To 2,000, Deduct	*-26.61*	
		For >2,000 To 5,000, Deduct	*-40.55*	
		For >5,000, Deduct	*-63.34*	
33 01 30 71-0118	LF	96" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	630.33	
		For Up To 75, Add	*130.59*	
		For >75 To 150, Add	*63.03*	
		For >500 To 1,000, Deduct	*-14.42*	
		For >1,000 To 2,000, Deduct	*-28.38*	
		For >2,000 To 5,000, Deduct	*-43.25*	
		For >5,000, Deduct	*-67.56*	
33 01 30 71-0119	LF	102" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	669.74	
		For Up To 75, Add	*138.76*	
		For >75 To 150, Add	*66.97*	
		For >500 To 1,000, Deduct	*-15.32*	
		For >1,000 To 2,000, Deduct	*-30.16*	
		For >2,000 To 5,000, Deduct	*-45.96*	
		For >5,000, Deduct	*-71.78*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0120	LF	108" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	709.13	
		For Up To 75, Add	*146.92*	
		For >75 To 150, Add	*70.91*	
		For >500 To 1,000, Deduct	*-16.22*	
		For >1,000 To 2,000, Deduct	*-31.93*	
		For >2,000 To 5,000, Deduct	*-48.66*	
		For >5,000, Deduct	*-76.00*	
33 01 30 71-0121	LF	114" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	748.53	
		For Up To 75, Add	*155.08*	
		For >75 To 150, Add	*74.85*	
		For >500 To 1,000, Deduct	*-17.12*	
		For >1,000 To 2,000, Deduct	*-33.70*	
		For >2,000 To 5,000, Deduct	*-51.36*	
		For >5,000, Deduct	*-80.23*	
33 01 30 71-0122	LF	120" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	787.93	
		For Up To 75, Add	*163.24*	
		For >75 To 150, Add	*78.79*	
		For >500 To 1,000, Deduct	*-18.02*	
		For >1,000 To 2,000, Deduct	*-35.48*	
		For >2,000 To 5,000, Deduct	*-54.06*	
		For >5,000, Deduct	*-84.45*	
33 01 30 71-0123	SF	Structure Lining, Spray Applied With 500 mil Structural Polyurethane	25.08	

33 01 30 72 Cured-in-Place Pipe Lining *(33 01 30)*

33 01 30 72-0001 Cured-In-Place Pipe (CIPP) Relining Underground Pipelines *(33 01 30 72)*

Note: Excludes CCTV inspection and sewer cleaning. See CSI section 33 01 30 11-0000 for CCTV inspection, 33 01 30 41-0002 for sewer cleaning.

33 01 30 72-0002 Cured In-Place Pipe (CIPP) Lining Set-Up And Reinsertion *(33 01 30 72-0001)*

33 01 30 72-0003	EA	Initial Set Up And Final Equipment Removal For Relining Up To 12" Underground Pipelines Cured In-Place Pipe (CIPP)	1,627.64
33 01 30 72-0004	EA	Initial Set Up And Final Equipment Removal For Relining >12" To 24" Underground Pipelines Cured In-Place Pipe (CIPP)	2,712.74
33 01 30 72-0005	EA	Initial Set Up And Final Equipment Removal For Relining >24" To 48" Underground Pipelines Cured In-Place Pipe (CIPP)	4,069.10
33 01 30 72-0006	EA	Initial Set Up And Final Equipment Removal For Relining > 48" Underground Pipelines Cured In-Place Pipe (CIPP)	5,425.46
33 01 30 72-0007	EA	Move And Reset Up At Different Access/Location For Relining Up To 12" Underground Pipelines Cured In-Place Pipe (CIPP)	813.82
33 01 30 72-0008	EA	Move And Reset Up At Different Access/Location For Relining >12" To 24" Underground Pipelines Cured In-Place Pipe (CIPP)	1,356.36
33 01 30 72-0009	EA	Move And Reset Up At Different Access/Location For Relining >24" To 48" Underground Pipelines Cured In-Place Pipe (CIPP)	1,695.45
33 01 30 72-0010	EA	Move And Reset Up At Different Access/Location For Relining > 48" Underground Pipelines Cured In-Place Pipe (CIPP)	2,170.19
33 01 30 72-0011	EA	Mixing Truck And Refrigeration For Relining Up To 12" Underground Pipelines Cured In-Place Pipe (CIPP) Note: Need to mix wet material in bag prior to installation.	1,356.36
33 01 30 72-0012	EA	Mixing Truck And Refrigeration For Relining >12" To 24" Underground Pipelines Cured In-Place Pipe (CIPP) Note: Need to mix wet material in bag prior to installation.	3,255.28
33 01 30 72-0013	EA	Mixing Truck And Refrigeration For Relining >24" To 48" Underground Pipelines Cured In-Place Pipe (CIPP) Note: Need to mix wet material in bag prior to installation.	5,425.46
33 01 30 72-0014	EA	Mixing Truck And Refrigeration For Relining >48" Underground Pipelines Cured In-Place Pipe (CIPP) Note: Need to mix wet material in bag prior to installation.	8,138.20

33 01 30 72-0015 Lining Pipe With Polyester Resin Impregnated Cured In-Place Pipe (CIPP)

(33 01 30 72-0001)

Note: Cured in-place thermosetting resin pipe and resin impregnated tube. Excludes video camera inspection, culvert cleaning and grouting. Use round equivalent pipe sizes for elliptical, oval or arched pipe.

33 01 30 72-0016 4.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0017	LF	4.5mm Lining 2" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	23.75
		For Vinlyester Resin, Add	*6.66*
		For Epoxy Resin, Add	*0.78*
		For Up To >10, Add	*47.48*
		For >10 To 25, Add	*37.98*
		For >25 To 50, Add	*23.26*
		For >50 To 100, Add	*11.63*
		For >500 To 1,000, Deduct	*-1.54*
		For >1,000 To 2,000, Deduct	*-2.49*
		For >2,000 To 5,000, Deduct	*-4.70*
		For >5,000, Deduct	*-7.60*
33 01 30 72-0018	LF	4.5mm Lining 3" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	28.97
		For Vinlyester Resin, Add	*10.31*
		For Epoxy Resin, Add	*1.22*
		For Up To >10, Add	*50.09*
		For >10 To 25, Add	*39.28*
		For >25 To 50, Add	*24.31*
		For >50 To 100, Add	*12.15*
		For >500 To 1,000, Deduct	*-1.80*
		For >1,000 To 2,000, Deduct	*-2.88*
		For >2,000 To 5,000, Deduct	*-5.33*
		For >5,000, Deduct	*-8.64*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0019	LF	4.5mm Lining 4" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	34.19	
		For Vinlyester Resin, Add	*13.97*	
		For Epoxy Resin, Add	*1.65*	
		For Up To >10, Add	*52.70*	
		For >10 To 25, Add	*40.59*	
		For >25 To 50, Add	*25.35*	
		For >50 To 100, Add	*12.68*	
		For >500 To 1,000, Deduct	*-2.07*	
		For >1,000 To 2,000, Deduct	*-3.28*	
		For >2,000 To 5,000, Deduct	*-5.95*	
		For >5,000, Deduct	*-9.69*	
33 01 30 72-0020	LF	4.5mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	45.98	
		For Vinlyester Resin, Add	*21.27*	
		For Epoxy Resin, Add	*2.51*	
		For Up To >10, Add	*61.99*	
		For >10 To 25, Add	*46.60*	
		For >25 To 50, Add	*29.48*	
		For >50 To 100, Add	*14.74*	
		For >500 To 1,000, Deduct	*-2.69*	
		For >1,000 To 2,000, Deduct	*-4.23*	
		For >2,000 To 5,000, Deduct	*-7.55*	
		For >5,000, Deduct	*-12.32*	
33 01 30 72-0021	LF	4.5mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	57.78	
		For Vinlyester Resin, Add	*28.57*	
		For Epoxy Resin, Add	*3.37*	
		For Up To >10, Add	*71.29*	
		For >10 To 25, Add	*52.61*	
		For >25 To 50, Add	*33.60*	
		For >50 To 100, Add	*16.80*	
		For >500 To 1,000, Deduct	*-3.31*	
		For >1,000 To 2,000, Deduct	*-5.18*	
		For >2,000 To 5,000, Deduct	*-9.14*	
		For >5,000, Deduct	*-14.95*	

33 01 30 72-0022 6mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0023	LF	6mm Lining 3" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	33.47	
		For Vinlyester Resin, Add	*13.46*	
		For Epoxy Resin, Add	*1.59*	
		For Up To >10, Add	*52.34*	
		For >10 To 25, Add	*40.41*	
		For >25 To 50, Add	*25.21*	
		For >50 To 100, Add	*12.60*	
		For >500 To 1,000, Deduct	*-2.03*	
		For >1,000 To 2,000, Deduct	*-3.22*	
		For >2,000 To 5,000, Deduct	*-5.87*	
		For >5,000, Deduct	*-9.54*	
33 01 30 72-0024	LF	6mm Lining 4" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	40.42	
		For Vinlyester Resin, Add	*18.33*	
		For Epoxy Resin, Add	*2.16*	
		For Up To >10, Add	*55.81*	
		For >10 To 25, Add	*42.15*	
		For >25 To 50, Add	*26.60*	
		For >50 To 100, Add	*13.30*	
		For >500 To 1,000, Deduct	*-2.38*	
		For >1,000 To 2,000, Deduct	*-3.74*	
		For >2,000 To 5,000, Deduct	*-6.70*	
		For >5,000, Deduct	*-10.93*	
33 01 30 72-0025	LF	6mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	55.70	
		For Vinlyester Resin, Add	*28.07*	
		For Epoxy Resin, Add	*3.31*	
		For Up To >10, Add	*66.85*	
		For >10 To 25, Add	*49.03*	
		For >25 To 50, Add	*31.42*	
		For >50 To 100, Add	*15.71*	
		For >500 To 1,000, Deduct	*-3.18*	
		For >1,000 To 2,000, Deduct	*-4.96*	
		For >2,000 To 5,000, Deduct	*-8.71*	
		For >5,000, Deduct	*-14.26*	
33 01 30 72-0026	LF	6mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	70.97	
		For Vinlyester Resin, Add	*37.81*	
		For Epoxy Resin, Add	*4.46*	
		For Up To >10, Add	*77.89*	
		For >10 To 25, Add	*55.90*	
		For >25 To 50, Add	*36.24*	
		For >50 To 100, Add	*18.12*	
		For >500 To 1,000, Deduct	*-3.97*	
		For >1,000 To 2,000, Deduct	*-6.17*	
		For >2,000 To 5,000, Deduct	*-10.72*	
		For >5,000, Deduct	*-17.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0027	LF	6mm Lining 10" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	86.37	
		For Vinlyester Resin, Add	*47.54*	
		For Epoxy Resin, Add	*5.60*	
		For Up To >10, Add	*89.31*	
		For >10 To 25, Add	*63.11*	
		For >25 To 50, Add	*41.26*	
		For >50 To 100, Add	*20.63*	
		For >500 To 1,000, Deduct	*-4.78*	
		For >1,000 To 2,000, Deduct	*-7.40*	
		For >2,000 To 5,000, Deduct	*-12.76*	
		For >5,000, Deduct	*-20.96*	
33 01 30 72-0028	LF	6mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	102.19	
		For Vinlyester Resin, Add	*57.29*	
		For Epoxy Resin, Add	*6.75*	
		For Up To >10, Add	*101.97*	
		For >10 To 25, Add	*71.34*	
		For >25 To 50, Add	*46.89*	
		For >50 To 100, Add	*23.45*	
		For >500 To 1,000, Deduct	*-5.62*	
		For >1,000 To 2,000, Deduct	*-8.68*	
		For >2,000 To 5,000, Deduct	*-14.91*	
		For >5,000, Deduct	*-24.51*	

33 01 30 72-0029 7.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0030	LF	7.5mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	65.20	
		For Vinlyester Resin, Add	*34.72*	
		For Epoxy Resin, Add	*4.09*	
		For Up To >10, Add	*71.60*	
		For >10 To 25, Add	*51.40*	
		For >25 To 50, Add	*33.32*	
		For >50 To 100, Add	*16.66*	
		For >500 To 1,000, Deduct	*-3.65*	
		For >1,000 To 2,000, Deduct	*-5.67*	
		For >2,000 To 5,000, Deduct	*-9.85*	
		For >5,000, Deduct	*-16.16*	
33 01 30 72-0031	LF	7.5mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	83.96	
		For Vinlyester Resin, Add	*46.90*	
		For Epoxy Resin, Add	*5.53*	
		For Up To >10, Add	*84.38*	
		For >10 To 25, Add	*59.15*	
		For >25 To 50, Add	*38.84*	
		For >50 To 100, Add	*19.42*	
		For >500 To 1,000, Deduct	*-4.62*	
		For >1,000 To 2,000, Deduct	*-7.15*	
		For >2,000 To 5,000, Deduct	*-12.28*	
		For >5,000, Deduct	*-20.18*	
33 01 30 72-0032	LF	7.5mm Lining 10" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	102.84	
		For Vinlyester Resin, Add	*59.07*	
		For Epoxy Resin, Add	*6.96*	
		For Up To >10, Add	*97.55*	
		For >10 To 25, Add	*67.22*	
		For >25 To 50, Add	*44.55*	
		For >50 To 100, Add	*22.28*	
		For >500 To 1,000, Deduct	*-5.60*	
		For >1,000 To 2,000, Deduct	*-8.64*	
		For >2,000 To 5,000, Deduct	*-14.74*	
		For >5,000, Deduct	*-24.26*	
33 01 30 72-0033	LF	7.5mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	122.13	
		For Vinlyester Resin, Add	*71.25*	
		For Epoxy Resin, Add	*8.40*	
		For Up To >10, Add	*111.94*	
		For >10 To 25, Add	*76.32*	
		For >25 To 50, Add	*50.88*	
		For >50 To 100, Add	*25.44*	
		For >500 To 1,000, Deduct	*-6.62*	
		For >1,000 To 2,000, Deduct	*-10.18*	
		For >2,000 To 5,000, Deduct	*-17.30*	
		For >5,000, Deduct	*-28.50*	
33 01 30 72-0034	LF	7.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	150.93	
		For Vinlyester Resin, Add	*89.51*	
		For Epoxy Resin, Add	*10.55*	
		For Up To >10, Add	*133.12*	
		For >10 To 25, Add	*89.62*	
		For >25 To 50, Add	*60.16*	
		For >50 To 100, Add	*30.08*	
		For >500 To 1,000, Deduct	*-8.12*	
		For >1,000 To 2,000, Deduct	*-12.47*	
		For >2,000 To 5,000, Deduct	*-21.11*	
		For >5,000, Deduct	*-34.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0035	LF	7.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	180.00	
		For Vinlyester Resin, Add	*107.77*	
		For Epoxy Resin, Add	*12.70*	
		For Up To >10, Add	*155.13*	
		For >10 To 25, Add	*103.61*	
		For >25 To 50, Add	*69.87*	
		For >50 To 100, Add	*34.93*	
		For >500 To 1,000, Deduct	*-9.65*	
		For >1,000 To 2,000, Deduct	*-14.80*	
		For >2,000 To 5,000, Deduct	*-24.99*	
		For >5,000, Deduct	*-41.21*	
33 01 30 72-0036		9mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*		
33 01 30 72-0037	LF	9mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	74.51	
		For Vinlyester Resin, Add	*41.24*	
		For Epoxy Resin, Add	*4.86*	
		For Up To >10, Add	*76.26*	
		For >10 To 25, Add	*53.73*	
		For >25 To 50, Add	*35.18*	
		For >50 To 100, Add	*17.59*	
		For >500 To 1,000, Deduct	*-4.12*	
		For >1,000 To 2,000, Deduct	*-6.37*	
		For >2,000 To 5,000, Deduct	*-10.97*	
		For >5,000, Deduct	*-18.02*	
33 01 30 72-0038	LF	9mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	96.74	
		For Vinlyester Resin, Add	*55.85*	
		For Epoxy Resin, Add	*6.58*	
		For Up To >10, Add	*90.77*	
		For >10 To 25, Add	*62.35*	
		For >25 To 50, Add	*41.40*	
		For >50 To 100, Add	*20.70*	
		For >500 To 1,000, Deduct	*-5.26*	
		For >1,000 To 2,000, Deduct	*-8.10*	
		For >2,000 To 5,000, Deduct	*-13.81*	
		For >5,000, Deduct	*-22.74*	
33 01 30 72-0039	LF	9mm Lining 10" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	119.11	
		For Vinlyester Resin, Add	*70.46*	
		For Epoxy Resin, Add	*8.30*	
		For Up To >10, Add	*105.68*	
		For >10 To 25, Add	*71.29*	
		For >25 To 50, Add	*47.81*	
		For >50 To 100, Add	*23.90*	
		For >500 To 1,000, Deduct	*-6.42*	
		For >1,000 To 2,000, Deduct	*-9.86*	
		For >2,000 To 5,000, Deduct	*-16.69*	
		For >5,000, Deduct	*-27.51*	
33 01 30 72-0040	LF	9mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	141.87	
		For Vinlyester Resin, Add	*85.06*	
		For Epoxy Resin, Add	*10.03*	
		For Up To >10, Add	*121.81*	
		For >10 To 25, Add	*81.26*	
		For >25 To 50, Add	*54.83*	
		For >50 To 100, Add	*27.41*	
		For >500 To 1,000, Deduct	*-7.60*	
		For >1,000 To 2,000, Deduct	*-11.66*	
		For >2,000 To 5,000, Deduct	*-19.67*	
		For >5,000, Deduct	*-32.44*	
33 01 30 72-0041	LF	9mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	175.89	
		For Vinlyester Resin, Add	*106.98*	
		For Epoxy Resin, Add	*12.61*	
		For Up To >10, Add	*145.60*	
		For >10 To 25, Add	*95.86*	
		For >25 To 50, Add	*65.16*	
		For >50 To 100, Add	*32.58*	
		For >500 To 1,000, Deduct	*-9.37*	
		For >1,000 To 2,000, Deduct	*-14.34*	
		For >2,000 To 5,000, Deduct	*-24.10*	
		For >5,000, Deduct	*-39.79*	
33 01 30 72-0042	LF	9mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	210.18	
		For Vinlyester Resin, Add	*128.89*	
		For Epoxy Resin, Add	*15.19*	
		For Up To >10, Add	*170.22*	
		For >10 To 25, Add	*111.16*	
		For >25 To 50, Add	*75.90*	
		For >50 To 100, Add	*37.95*	
		For >500 To 1,000, Deduct	*-11.16*	
		For >1,000 To 2,000, Deduct	*-17.07*	
		For >2,000 To 5,000, Deduct	*-28.61*	
		For >5,000, Deduct	*-47.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0043	LF	9mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	243.64	
		For Vinlyester Resin, Add	*150.80*	
		For Epoxy Resin, Add	*17.77*	
		For Up To >10, Add	*192.35*	
		For >10 To 25, Add	*124.38*	
		For >25 To 50, Add	*85.40*	
		For >50 To 100, Add	*42.70*	
		For >500 To 1,000, Deduct	*-12.89*	
		For >1,000 To 2,000, Deduct	*-19.68*	
		For >2,000 To 5,000, Deduct	*-32.90*	
		For >5,000, Deduct	*-54.37*	
33 01 30 72-0044	LF	9mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	277.53	
		For Vinlyester Resin, Add	*172.72*	
		For Epoxy Resin, Add	*20.36*	
		For Up To >10, Add	*215.74*	
		For >10 To 25, Add	*138.66*	
		For >25 To 50, Add	*95.53*	
		For >50 To 100, Add	*47.77*	
		For >500 To 1,000, Deduct	*-14.65*	
		For >1,000 To 2,000, Deduct	*-22.35*	
		For >2,000 To 5,000, Deduct	*-37.31*	
		For >5,000, Deduct	*-61.66*	

33 01 30 72-0045 10.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0046	LF	10.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	200.64	
		For Vinlyester Resin, Add	*124.31*	
		For Epoxy Resin, Add	*14.65*	
		For Up To >10, Add	*157.97*	
		For >10 To 25, Add	*102.05*	
		For >25 To 50, Add	*70.11*	
		For >50 To 100, Add	*35.05*	
		For >500 To 1,000, Deduct	*-10.61*	
		For >1,000 To 2,000, Deduct	*-16.20*	
		For >2,000 To 5,000, Deduct	*-27.07*	
		For >5,000, Deduct	*-44.74*	
33 01 30 72-0047	LF	10.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	240.15	
		For Vinlyester Resin, Add	*149.87*	
		For Epoxy Resin, Add	*17.66*	
		For Up To >10, Add	*185.20*	
		For >10 To 25, Add	*118.65*	
		For >25 To 50, Add	*81.90*	
		For >50 To 100, Add	*40.95*	
		For >500 To 1,000, Deduct	*-12.66*	
		For >1,000 To 2,000, Deduct	*-19.31*	
		For >2,000 To 5,000, Deduct	*-32.20*	
		For >5,000, Deduct	*-53.24*	
33 01 30 72-0048	LF	10.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	278.84	
		For Vinlyester Resin, Add	*175.44*	
		For Epoxy Resin, Add	*20.68*	
		For Up To >10, Add	*209.95*	
		For >10 To 25, Add	*133.18*	
		For >25 To 50, Add	*92.44*	
		For >50 To 100, Add	*46.22*	
		For >500 To 1,000, Deduct	*-14.65*	
		For >1,000 To 2,000, Deduct	*-22.32*	
		For >2,000 To 5,000, Deduct	*-37.13*	
		For >5,000, Deduct	*-61.41*	
33 01 30 72-0049	LF	10.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	317.94	
		For Vinlyester Resin, Add	*201.01*	
		For Epoxy Resin, Add	*23.69*	
		For Up To >10, Add	*235.95*	
		For >10 To 25, Add	*148.76*	
		For >25 To 50, Add	*103.62*	
		For >50 To 100, Add	*51.81*	
		For >500 To 1,000, Deduct	*-16.67*	
		For >1,000 To 2,000, Deduct	*-25.39*	
		For >2,000 To 5,000, Deduct	*-42.16*	
		For >5,000, Deduct	*-69.75*	
33 01 30 72-0050	LF	10.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	357.58	
		For Vinlyester Resin, Add	*226.57*	
		For Epoxy Resin, Add	*26.70*	
		For Up To >10, Add	*263.57*	
		For >10 To 25, Add	*165.69*	
		For >25 To 50, Add	*115.60*	
		For >50 To 100, Add	*57.80*	
		For >500 To 1,000, Deduct	*-18.73*	
		For >1,000 To 2,000, Deduct	*-28.51*	
		For >2,000 To 5,000, Deduct	*-47.32*	
		For >5,000, Deduct	*-78.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0051	LF	10.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	397.89	
		For Vinlyester Resin, Add	*252.13*	
		For Epoxy Resin, Add	*29.72*	
		For Up To >10, Add	*293.20*	
		For >10 To 25, Add	*184.30*	
		For >25 To 50, Add	*128.59*	
		For >50 To 100, Add	*64.29*	
		For >500 To 1,000, Deduct	*-20.84*	
		For >1,000 To 2,000, Deduct	*-31.73*	
		For >2,000 To 5,000, Deduct	*-52.65*	
		For >5,000, Deduct	*-87.12*	
33 01 30 72-0052	LF	10.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	475.68	
		For Vinlyester Resin, Add	*303.26*	
		For Epoxy Resin, Add	*35.74*	
		For Up To >10, Add	*343.97*	
		For >10 To 25, Add	*214.43*	
		For >25 To 50, Add	*150.32*	
		For >50 To 100, Add	*75.16*	
		For >500 To 1,000, Deduct	*-24.85*	
		For >1,000 To 2,000, Deduct	*-37.80*	
		For >2,000 To 5,000, Deduct	*-62.60*	
		For >5,000, Deduct	*-103.63*	

33 01 30 72-0053 12mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0054	LF	12mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	225.18	
		For Vinlyester Resin, Add	*141.48*	
		For Epoxy Resin, Add	*16.67*	
		For Up To >10, Add	*170.24*	
		For >10 To 25, Add	*108.18*	
		For >25 To 50, Add	*75.01*	
		For >50 To 100, Add	*37.51*	
		For >500 To 1,000, Deduct	*-11.84*	
		For >1,000 To 2,000, Deduct	*-18.04*	
		For >2,000 To 5,000, Deduct	*-30.02*	
		For >5,000, Deduct	*-49.65*	
33 01 30 72-0055	LF	12mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	269.92	
		For Vinlyester Resin, Add	*170.71*	
		For Epoxy Resin, Add	*20.12*	
		For Up To >10, Add	*200.09*	
		For >10 To 25, Add	*126.09*	
		For >25 To 50, Add	*87.85*	
		For >50 To 100, Add	*43.92*	
		For >500 To 1,000, Deduct	*-14.15*	
		For >1,000 To 2,000, Deduct	*-21.55*	
		For >2,000 To 5,000, Deduct	*-35.78*	
		For >5,000, Deduct	*-59.19*	
33 01 30 72-0056	LF	12mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	313.82	
		For Vinlyester Resin, Add	*199.93*	
		For Epoxy Resin, Add	*23.56*	
		For Up To >10, Add	*227.44*	
		For >10 To 25, Add	*141.93*	
		For >25 To 50, Add	*99.44*	
		For >50 To 100, Add	*49.72*	
		For >500 To 1,000, Deduct	*-16.40*	
		For >1,000 To 2,000, Deduct	*-24.95*	
		For >2,000 To 5,000, Deduct	*-41.33*	
		For >5,000, Deduct	*-68.41*	
33 01 30 72-0057	LF	12mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	358.14	
		For Vinlyester Resin, Add	*229.15*	
		For Epoxy Resin, Add	*27.01*	
		For Up To >10, Add	*256.05*	
		For >10 To 25, Add	*158.81*	
		For >25 To 50, Add	*111.66*	
		For >50 To 100, Add	*55.83*	
		For >500 To 1,000, Deduct	*-18.68*	
		For >1,000 To 2,000, Deduct	*-28.40*	
		For >2,000 To 5,000, Deduct	*-46.98*	
		For >5,000, Deduct	*-77.79*	
33 01 30 72-0058	LF	12mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	402.99	
		For Vinlyester Resin, Add	*258.36*	
		For Epoxy Resin, Add	*30.45*	
		For Up To >10, Add	*286.27*	
		For >10 To 25, Add	*177.05*	
		For >25 To 50, Add	*124.68*	
		For >50 To 100, Add	*62.34*	
		For >500 To 1,000, Deduct	*-21.00*	
		For >1,000 To 2,000, Deduct	*-31.92*	
		For >2,000 To 5,000, Deduct	*-52.77*	
		For >5,000, Deduct	*-87.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0059	LF	12mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	448.52	
		For Vinlyester Resin, Add	*287.57*	
		For Epoxy Resin, Add	*33.89*	
		For Up To >10, Add	*318.51*	
		For >10 To 25, Add	*196.96*	
		For >25 To 50, Add	*138.71*	
		For >50 To 100, Add	*69.36*	
		For >500 To 1,000, Deduct	*-23.37*	
		For >1,000 To 2,000, Deduct	*-35.52*	
		For >2,000 To 5,000, Deduct	*-58.72*	
		For >5,000, Deduct	*-97.24*	
33 01 30 72-0060	LF	12mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	536.76	
		For Vinlyester Resin, Add	*346.02*	
		For Epoxy Resin, Add	*40.78*	
		For Up To >10, Add	*374.51*	
		For >10 To 25, Add	*229.70*	
		For >25 To 50, Add	*162.54*	
		For >50 To 100, Add	*81.27*	
		For >500 To 1,000, Deduct	*-27.90*	
		For >1,000 To 2,000, Deduct	*-42.38*	
		For >2,000 To 5,000, Deduct	*-69.93*	
		For >5,000, Deduct	*-115.84*	
33 01 30 72-0061	LF	12mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	626.20	
		For Vinlyester Resin, Add	*404.45*	
		For Epoxy Resin, Add	*47.67*	
		For Up To >10, Add	*434.15*	
		For >10 To 25, Add	*265.50*	
		For >25 To 50, Add	*188.19*	
		For >50 To 100, Add	*94.09*	
		For >500 To 1,000, Deduct	*-32.52*	
		For >1,000 To 2,000, Deduct	*-49.39*	
		For >2,000 To 5,000, Deduct	*-81.44*	
		For >5,000, Deduct	*-134.92*	
33 01 30 72-0062	LF	12mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	717.82	
		For Vinlyester Resin, Add	*462.88*	
		For Epoxy Resin, Add	*54.55*	
		For Up To >10, Add	*500.31*	
		For >10 To 25, Add	*306.72*	
		For >25 To 50, Add	*217.09*	
		For >50 To 100, Add	*108.55*	
		For >500 To 1,000, Deduct	*-37.31*	
		For >1,000 To 2,000, Deduct	*-56.66*	
		For >2,000 To 5,000, Deduct	*-93.49*	
		For >5,000, Deduct	*-154.88*	

33 01 30 72-0063 13.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0064	LF	13.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	249.52	
		For Vinlyester Resin, Add	*158.52*	
		For Epoxy Resin, Add	*18.68*	
		For Up To >10, Add	*182.41*	
		For >10 To 25, Add	*114.27*	
		For >25 To 50, Add	*79.88*	
		For >50 To 100, Add	*39.94*	
		For >500 To 1,000, Deduct	*-13.05*	
		For >1,000 To 2,000, Deduct	*-19.87*	
		For >2,000 To 5,000, Deduct	*-32.94*	
		For >5,000, Deduct	*-54.52*	
33 01 30 72-0065	LF	13.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	299.48	
		For Vinlyester Resin, Add	*191.40*	
		For Epoxy Resin, Add	*22.56*	
		For Up To >10, Add	*214.87*	
		For >10 To 25, Add	*133.48*	
		For >25 To 50, Add	*93.76*	
		For >50 To 100, Add	*46.88*	
		For >500 To 1,000, Deduct	*-15.63*	
		For >1,000 To 2,000, Deduct	*-23.76*	
		For >2,000 To 5,000, Deduct	*-39.32*	
		For >5,000, Deduct	*-65.11*	
33 01 30 72-0066	LF	13.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	348.60	
		For Vinlyester Resin, Add	*224.27*	
		For Epoxy Resin, Add	*26.43*	
		For Up To >10, Add	*244.83*	
		For >10 To 25, Add	*150.62*	
		For >25 To 50, Add	*106.39*	
		For >50 To 100, Add	*53.20*	
		For >500 To 1,000, Deduct	*-18.14*	
		For >1,000 To 2,000, Deduct	*-27.56*	
		For >2,000 To 5,000, Deduct	*-45.50*	
		For >5,000, Deduct	*-75.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0067	LF	13.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	398.13	
		For Vinlyester Resin, Add	*257.14*	
		For Epoxy Resin, Add	*30.31*	
		For Up To >10, Add	*276.04*	
		For >10 To 25, Add	*168.81*	
		For >25 To 50, Add	*119.65*	
		For >50 To 100, Add	*59.83*	
		For >500 To 1,000, Deduct	*-20.68*	
		For >1,000 To 2,000, Deduct	*-31.40*	
		For >2,000 To 5,000, Deduct	*-51.78*	
		For >5,000, Deduct	*-85.78*	
33 01 30 72-0068	LF	13.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	448.21	
		For Vinlyester Resin, Add	*290.01*	
		For Epoxy Resin, Add	*34.18*	
		For Up To >10, Add	*308.88*	
		For >10 To 25, Add	*188.35*	
		For >25 To 50, Add	*133.73*	
		For >50 To 100, Add	*66.86*	
		For >500 To 1,000, Deduct	*-23.26*	
		For >1,000 To 2,000, Deduct	*-35.31*	
		For >2,000 To 5,000, Deduct	*-58.19*	
		For >5,000, Deduct	*-96.42*	
33 01 30 72-0069	LF	13.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	498.96	
		For Vinlyester Resin, Add	*322.88*	
		For Epoxy Resin, Add	*38.05*	
		For Up To >10, Add	*343.73*	
		For >10 To 25, Add	*209.57*	
		For >25 To 50, Add	*148.80*	
		For >50 To 100, Add	*74.40*	
		For >500 To 1,000, Deduct	*-25.89*	
		For >1,000 To 2,000, Deduct	*-39.31*	
		For >2,000 To 5,000, Deduct	*-64.78*	
		For >5,000, Deduct	*-107.33*	
33 01 30 72-0070	LF	13.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	597.62	
		For Vinlyester Resin, Add	*388.62*	
		For Epoxy Resin, Add	*45.80*	
		For Up To >10, Add	*404.94*	
		For >10 To 25, Add	*244.92*	
		For >25 To 50, Add	*174.71*	
		For >50 To 100, Add	*87.35*	
		For >500 To 1,000, Deduct	*-30.94*	
		For >1,000 To 2,000, Deduct	*-46.94*	
		For >2,000 To 5,000, Deduct	*-77.23*	
		For >5,000, Deduct	*-128.01*	
33 01 30 72-0071	LF	13.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	697.50	
		For Vinlyester Resin, Add	*454.36*	
		For Epoxy Resin, Add	*53.55*	
		For Up To >10, Add	*469.80*	
		For >10 To 25, Add	*283.32*	
		For >25 To 50, Add	*202.45*	
		For >50 To 100, Add	*101.22*	
		For >500 To 1,000, Deduct	*-36.09*	
		For >1,000 To 2,000, Deduct	*-54.73*	
		For >2,000 To 5,000, Deduct	*-89.99*	
		For >5,000, Deduct	*-149.18*	
33 01 30 72-0072	LF	13.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	799.56	
		For Vinlyester Resin, Add	*520.10*	
		For Epoxy Resin, Add	*61.30*	
		For Up To >10, Add	*541.18*	
		For >10 To 25, Add	*327.15*	
		For >25 To 50, Add	*233.44*	
		For >50 To 100, Add	*116.72*	
		For >500 To 1,000, Deduct	*-41.39*	
		For >1,000 To 2,000, Deduct	*-62.80*	
		For >2,000 To 5,000, Deduct	*-103.30*	
		For >5,000, Deduct	*-171.22*	

33 01 30 72-0073 15mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0074	LF	15mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	273.66	
		For Vinlyester Resin, Add	*175.42*	
		For Epoxy Resin, Add	*20.67*	
		For Up To >10, Add	*194.48*	
		For >10 To 25, Add	*120.30*	
		For >25 To 50, Add	*84.71*	
		For >50 To 100, Add	*42.36*	
		For >500 To 1,000, Deduct	*-14.26*	
		For >1,000 To 2,000, Deduct	*-21.68*	
		For >2,000 To 5,000, Deduct	*-35.84*	
		For >5,000, Deduct	*-59.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0075	LF	15mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	328.83	
		For Vinlyester Resin, Add	*211.95*	
		For Epoxy Resin, Add	*24.98*	
		For Up To >10, Add	*229.54*	
		For >10 To 25, Add	*140.82*	
		For >25 To 50, Add	*99.63*	
		For >50 To 100, Add	*49.82*	
		For >500 To 1,000, Deduct	*-17.09*	
		For >1,000 To 2,000, Deduct	*-25.96*	
		For >2,000 To 5,000, Deduct	*-42.85*	
		For >5,000, Deduct	*-70.98*	
33 01 30 72-0076	LF	15mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	383.16	
		For Vinlyester Resin, Add	*248.47*	
		For Epoxy Resin, Add	*29.28*	
		For Up To >10, Add	*262.11*	
		For >10 To 25, Add	*159.26*	
		For >25 To 50, Add	*113.31*	
		For >50 To 100, Add	*56.65*	
		For >500 To 1,000, Deduct	*-19.86*	
		For >1,000 To 2,000, Deduct	*-30.15*	
		For >2,000 To 5,000, Deduct	*-49.65*	
		For >5,000, Deduct	*-82.27*	
33 01 30 72-0077	LF	15mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	437.92	
		For Vinlyester Resin, Add	*284.99*	
		For Epoxy Resin, Add	*33.59*	
		For Up To >10, Add	*295.94*	
		For >10 To 25, Add	*178.76*	
		For >25 To 50, Add	*127.61*	
		For >50 To 100, Add	*63.81*	
		For >500 To 1,000, Deduct	*-22.67*	
		For >1,000 To 2,000, Deduct	*-34.38*	
		For >2,000 To 5,000, Deduct	*-56.55*	
		For >5,000, Deduct	*-93.74*	
33 01 30 72-0078	LF	15mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	493.21	
		For Vinlyester Resin, Add	*321.51*	
		For Epoxy Resin, Add	*37.89*	
		For Up To >10, Add	*331.38*	
		For >10 To 25, Add	*199.60*	
		For >25 To 50, Add	*142.73*	
		For >50 To 100, Add	*71.36*	
		For >500 To 1,000, Deduct	*-25.51*	
		For >1,000 To 2,000, Deduct	*-38.69*	
		For >2,000 To 5,000, Deduct	*-63.59*	
		For >5,000, Deduct	*-105.42*	
33 01 30 72-0079	LF	15mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	549.18	
		For Vinlyester Resin, Add	*358.04*	
		For Epoxy Resin, Add	*42.20*	
		For Up To >10, Add	*368.84*	
		For >10 To 25, Add	*222.12*	
		For >25 To 50, Add	*158.85*	
		For >50 To 100, Add	*79.42*	
		For >500 To 1,000, Deduct	*-28.40*	
		For >1,000 To 2,000, Deduct	*-43.07*	
		For >2,000 To 5,000, Deduct	*-70.80*	
		For >5,000, Deduct	*-117.38*	
33 01 30 72-0080	LF	15mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	658.28	
		For Vinlyester Resin, Add	*431.08*	
		For Epoxy Resin, Add	*50.81*	
		For Up To >10, Add	*435.27*	
		For >10 To 25, Add	*260.08*	
		For >25 To 50, Add	*186.84*	
		For >50 To 100, Add	*93.42*	
		For >500 To 1,000, Deduct	*-33.98*	
		For >1,000 To 2,000, Deduct	*-51.49*	
		For >2,000 To 5,000, Deduct	*-84.51*	
		For >5,000, Deduct	*-140.15*	
33 01 30 72-0081	LF	15mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	768.60	
		For Vinlyester Resin, Add	*504.13*	
		For Epoxy Resin, Add	*59.41*	
		For Up To >10, Add	*505.35*	
		For >10 To 25, Add	*301.10*	
		For >25 To 50, Add	*216.67*	
		For >50 To 100, Add	*108.33*	
		For >500 To 1,000, Deduct	*-39.64*	
		For >1,000 To 2,000, Deduct	*-60.07*	
		For >2,000 To 5,000, Deduct	*-98.53*	
		For >5,000, Deduct	*-163.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0082	LF	15mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	881.09	
		For Vinlyester Resin, Add	*577.17*	
		For Epoxy Resin, Add	*68.02*	
		For Up To >10, Add	*581.95*	
		For >10 To 25, Add	*347.53*	
		For >25 To 50, Add	*249.75*	
		For >50 To 100, Add	*124.87*	
		For >500 To 1,000, Deduct	*-45.47*	
		For >1,000 To 2,000, Deduct	*-68.91*	
		For >2,000 To 5,000, Deduct	*-113.08*	
		For >5,000, Deduct	*-187.53*	

33 01 30 72-0083 16.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0084	LF	16.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	357.97	
		For Vinlyester Resin, Add	*232.34*	
		For Epoxy Resin, Add	*27.38*	
		For Up To >10, Add	*244.11*	
		For >10 To 25, Add	*148.11*	
		For >25 To 50, Add	*105.46*	
		For >50 To 100, Add	*52.73*	
		For >500 To 1,000, Deduct	*-18.55*	
		For >1,000 To 2,000, Deduct	*-28.15*	
		For >2,000 To 5,000, Deduct	*-46.34*	
		For >5,000, Deduct	*-76.80*	
33 01 30 72-0085	LF	16.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	417.53	
		For Vinlyester Resin, Add	*272.52*	
		For Epoxy Resin, Add	*32.12*	
		For Up To >10, Add	*279.29*	
		For >10 To 25, Add	*167.86*	
		For >25 To 50, Add	*120.18*	
		For >50 To 100, Add	*60.09*	
		For >500 To 1,000, Deduct	*-21.58*	
		For >1,000 To 2,000, Deduct	*-32.73*	
		For >2,000 To 5,000, Deduct	*-53.77*	
		For >5,000, Deduct	*-89.15*	
33 01 30 72-0086	LF	16.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	477.50	
		For Vinlyester Resin, Add	*312.70*	
		For Epoxy Resin, Add	*36.85*	
		For Up To >10, Add	*315.73*	
		For >10 To 25, Add	*188.65*	
		For >25 To 50, Add	*135.53*	
		For >50 To 100, Add	*67.76*	
		For >500 To 1,000, Deduct	*-24.64*	
		For >1,000 To 2,000, Deduct	*-37.35*	
		For >2,000 To 5,000, Deduct	*-61.30*	
		For >5,000, Deduct	*-101.66*	
33 01 30 72-0087	LF	16.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	538.01	
		For Vinlyester Resin, Add	*352.87*	
		For Epoxy Resin, Add	*41.59*	
		For Up To >10, Add	*353.78*	
		For >10 To 25, Add	*210.80*	
		For >25 To 50, Add	*151.69*	
		For >50 To 100, Add	*75.84*	
		For >500 To 1,000, Deduct	*-27.75*	
		For >1,000 To 2,000, Deduct	*-42.05*	
		For >2,000 To 5,000, Deduct	*-68.97*	
		For >5,000, Deduct	*-114.38*	
33 01 30 72-0088	LF	16.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	599.20	
		For Vinlyester Resin, Add	*393.05*	
		For Epoxy Resin, Add	*46.32*	
		For Up To >10, Add	*393.85*	
		For >10 To 25, Add	*234.63*	
		For >25 To 50, Add	*168.85*	
		For >50 To 100, Add	*84.43*	
		For >500 To 1,000, Deduct	*-30.90*	
		For >1,000 To 2,000, Deduct	*-46.83*	
		For >2,000 To 5,000, Deduct	*-76.81*	
		For >5,000, Deduct	*-127.38*	
33 01 30 72-0089	LF	16.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	718.73	
		For Vinlyester Resin, Add	*473.40*	
		For Epoxy Resin, Add	*55.79*	
		For Up To >10, Add	*465.49*	
		For >10 To 25, Add	*275.20*	
		For >25 To 50, Add	*198.93*	
		For >50 To 100, Add	*99.47*	
		For >500 To 1,000, Deduct	*-37.00*	
		For >1,000 To 2,000, Deduct	*-56.03*	
		For >2,000 To 5,000, Deduct	*-91.77*	
		For >5,000, Deduct	*-152.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0090	LF	16.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	839.48	
		For Vinlyester Resin, Add	*553.74*	
		For Epoxy Resin, Add	*65.26*	
		For Up To >10, Add	*540.79*	
		For >10 To 25, Add	*318.82*	
		For >25 To 50, Add	*230.84*	
		For >50 To 100, Add	*115.42*	
		For >500 To 1,000, Deduct	*-43.18*	
		For >1,000 To 2,000, Deduct	*-65.38*	
		For >2,000 To 5,000, Deduct	*-107.03*	
		For >5,000, Deduct	*-177.58*	
33 01 30 72-0091	LF	16.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	962.41	
		For Vinlyester Resin, Add	*634.10*	
		For Epoxy Resin, Add	*74.73*	
		For Up To >10, Add	*622.61*	
		For >10 To 25, Add	*367.86*	
		For >25 To 50, Add	*266.01*	
		For >50 To 100, Add	*133.01*	
		For >500 To 1,000, Deduct	*-49.53*	
		For >1,000 To 2,000, Deduct	*-75.01*	
		For >2,000 To 5,000, Deduct	*-122.84*	
		For >5,000, Deduct	*-203.79*	
33 01 30 72-0092	LF	16.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,084.38	
		For Vinlyester Resin, Add	*714.44*	
		For Epoxy Resin, Add	*84.20*	
		For Up To >10, Add	*701.57*	
		For >10 To 25, Add	*414.53*	
		For >25 To 50, Add	*299.75*	
		For >50 To 100, Add	*149.88*	
		For >500 To 1,000, Deduct	*-55.81*	
		For >1,000 To 2,000, Deduct	*-84.52*	
		For >2,000 To 5,000, Deduct	*-138.41*	
		For >5,000, Deduct	*-229.63*	

33 01 30 72-0093 18mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0094	LF	18mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	387.60	
		For Vinlyester Resin, Add	*252.61*	
		For Epoxy Resin, Add	*29.77*	
		For Up To >10, Add	*260.63*	
		For >10 To 25, Add	*157.04*	
		For >25 To 50, Add	*112.27*	
		For >50 To 100, Add	*56.13*	
		For >500 To 1,000, Deduct	*-20.05*	
		For >1,000 To 2,000, Deduct	*-30.41*	
		For >2,000 To 5,000, Deduct	*-49.99*	
		For >5,000, Deduct	*-82.87*	
33 01 30 72-0095	LF	18mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	452.51	
		For Vinlyester Resin, Add	*296.44*	
		For Epoxy Resin, Add	*34.94*	
		For Up To >10, Add	*298.83*	
		For >10 To 25, Add	*178.45*	
		For >25 To 50, Add	*128.24*	
		For >50 To 100, Add	*64.12*	
		For >500 To 1,000, Deduct	*-23.35*	
		For >1,000 To 2,000, Deduct	*-35.39*	
		For >2,000 To 5,000, Deduct	*-58.08*	
		For >5,000, Deduct	*-96.31*	
33 01 30 72-0096	LF	18mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	517.69	
		For Vinlyester Resin, Add	*340.26*	
		For Epoxy Resin, Add	*40.10*	
		For Up To >10, Add	*337.85*	
		For >10 To 25, Add	*200.52*	
		For >25 To 50, Add	*144.62*	
		For >50 To 100, Add	*72.31*	
		For >500 To 1,000, Deduct	*-26.67*	
		For >1,000 To 2,000, Deduct	*-40.41*	
		For >2,000 To 5,000, Deduct	*-66.23*	
		For >5,000, Deduct	*-109.86*	
33 01 30 72-0097	LF	18mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	583.56	
		For Vinlyester Resin, Add	*384.09*	
		For Epoxy Resin, Add	*45.27*	
		For Up To >10, Add	*378.93*	
		For >10 To 25, Add	*224.33*	
		For >25 To 50, Add	*162.03*	
		For >50 To 100, Add	*81.02*	
		For >500 To 1,000, Deduct	*-30.05*	
		For >1,000 To 2,000, Deduct	*-45.51*	
		For >2,000 To 5,000, Deduct	*-74.56*	
		For >5,000, Deduct	*-123.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0098	LF	18mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	649.96	
		For Vinlyester Resin, Add	*427.91*	
		For Epoxy Resin, Add	*50.43*	
		For Up To >10, Add	*421.63*	
		For >10 To 25, Add	*249.48*	
		For >25 To 50, Add	*180.25*	
		For >50 To 100, Add	*90.13*	
		For >500 To 1,000, Deduct	*-33.46*	
		For >1,000 To 2,000, Deduct	*-50.68*	
		For >2,000 To 5,000, Deduct	*-83.02*	
		For >5,000, Deduct	*-137.72*	
33 01 30 72-0099	LF	18mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	781.02	
		For Vinlyester Resin, Add	*515.57*	
		For Epoxy Resin, Add	*60.76*	
		For Up To >10, Add	*501.74*	
		For >10 To 25, Add	*295.36*	
		For >25 To 50, Add	*214.04*	
		For >50 To 100, Add	*107.02*	
		For >500 To 1,000, Deduct	*-40.16*	
		For >1,000 To 2,000, Deduct	*-60.80*	
		For >2,000 To 5,000, Deduct	*-99.51*	
		For >5,000, Deduct	*-165.10*	
33 01 30 72-0100	LF	18mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	912.62	
		For Vinlyester Resin, Add	*603.23*	
		For Epoxy Resin, Add	*71.09*	
		For Up To >10, Add	*583.49*	
		For >10 To 25, Add	*342.61*	
		For >25 To 50, Add	*248.66*	
		For >50 To 100, Add	*124.33*	
		For >500 To 1,000, Deduct	*-46.90*	
		For >1,000 To 2,000, Deduct	*-70.99*	
		For >2,000 To 5,000, Deduct	*-116.13*	
		For >5,000, Deduct	*-192.70*	
33 01 30 72-0101	LF	18mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,046.38	
		For Vinlyester Resin, Add	*690.88*	
		For Epoxy Resin, Add	*81.43*	
		For Up To >10, Add	*671.72*	
		For >10 To 25, Add	*395.27*	
		For >25 To 50, Add	*286.51*	
		For >50 To 100, Add	*143.25*	
		For >500 To 1,000, Deduct	*-53.80*	
		For >1,000 To 2,000, Deduct	*-81.45*	
		For >2,000 To 5,000, Deduct	*-133.29*	
		For >5,000, Deduct	*-221.16*	
33 01 30 72-0102	LF	18mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,179.19	
		For Vinlyester Resin, Add	*778.53*	
		For Epoxy Resin, Add	*91.76*	
		For Up To >10, Add	*757.10*	
		For >10 To 25, Add	*445.55*	
		For >25 To 50, Add	*322.94*	
		For >50 To 100, Add	*161.47*	
		For >500 To 1,000, Deduct	*-60.63*	
		For >1,000 To 2,000, Deduct	*-91.79*	
		For >2,000 To 5,000, Deduct	*-150.21*	
		For >5,000, Deduct	*-249.24*	
33 01 30 72-0103	LF	18mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,311.86	
		For Vinlyester Resin, Add	*866.18*	
		For Epoxy Resin, Add	*102.09*	
		For Up To >10, Add	*842.08*	
		For >10 To 25, Add	*495.50*	
		For >25 To 50, Add	*359.17*	
		For >50 To 100, Add	*179.59*	
		For >500 To 1,000, Deduct	*-67.45*	
		For >1,000 To 2,000, Deduct	*-102.11*	
		For >2,000 To 5,000, Deduct	*-167.10*	
		For >5,000, Deduct	*-277.26*	
33 01 30 72-0104	LF	18mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,445.10	
		For Vinlyester Resin, Add	*953.84*	
		For Epoxy Resin, Add	*112.42*	
		For Up To >10, Add	*928.73*	
		For >10 To 25, Add	*546.83*	
		For >25 To 50, Add	*396.23*	
		For >50 To 100, Add	*198.12*	
		For >500 To 1,000, Deduct	*-74.32*	
		For >1,000 To 2,000, Deduct	*-112.51*	
		For >2,000 To 5,000, Deduct	*-184.13*	
		For >5,000, Deduct	*-305.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0105	LF	18mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,577.90	
		For Vinlyester Resin, Add	*1,041.49*	
		For Epoxy Resin, Add	*122.75*	
		For Up To >10, Add	*1,014.10*	
		For >10 To 25, Add	*597.11*	
		For >25 To 50, Add	*432.66*	
		For >50 To 100, Add	*216.33*	
		For >500 To 1,000, Deduct	*-81.15*	
		For >1,000 To 2,000, Deduct	*-122.85*	
		For >2,000 To 5,000, Deduct	*-201.06*	
		For >5,000, Deduct	*-333.59*	

33 01 30 72-0106 19.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0107	LF	19.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	417.42	
		For Vinlyester Resin, Add	*272.73*	
		For Epoxy Resin, Add	*32.14*	
		For Up To >10, Add	*278.24*	
		For >10 To 25, Add	*166.93*	
		For >25 To 50, Add	*119.64*	
		For >50 To 100, Add	*59.82*	
		For >500 To 1,000, Deduct	*-21.57*	
		For >1,000 To 2,000, Deduct	*-32.70*	
		For >2,000 To 5,000, Deduct	*-53.71*	
		For >5,000, Deduct	*-89.05*	
33 01 30 72-0108	LF	19.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	487.56	
		For Vinlyester Resin, Add	*320.21*	
		For Epoxy Resin, Add	*37.74*	
		For Up To >10, Add	*319.08*	
		For >10 To 25, Add	*189.66*	
		For >25 To 50, Add	*136.67*	
		For >50 To 100, Add	*68.33*	
		For >500 To 1,000, Deduct	*-25.13*	
		For >1,000 To 2,000, Deduct	*-38.07*	
		For >2,000 To 5,000, Deduct	*-62.42*	
		For >5,000, Deduct	*-103.54*	
33 01 30 72-0109	LF	19.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	558.09	
		For Vinlyester Resin, Add	*367.68*	
		For Epoxy Resin, Add	*43.33*	
		For Up To >10, Add	*361.12*	
		For >10 To 25, Add	*213.39*	
		For >25 To 50, Add	*154.30*	
		For >50 To 100, Add	*77.15*	
		For >500 To 1,000, Deduct	*-28.73*	
		For >1,000 To 2,000, Deduct	*-43.50*	
		For >2,000 To 5,000, Deduct	*-71.24*	
		For >5,000, Deduct	*-118.18*	
33 01 30 72-0110	LF	19.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	628.90	
		For Vinlyester Resin, Add	*415.16*	
		For Epoxy Resin, Add	*48.93*	
		For Up To >10, Add	*403.98*	
		For >10 To 25, Add	*237.80*	
		For >25 To 50, Add	*172.33*	
		For >50 To 100, Add	*86.17*	
		For >500 To 1,000, Deduct	*-32.34*	
		For >1,000 To 2,000, Deduct	*-48.96*	
		For >2,000 To 5,000, Deduct	*-80.12*	
		For >5,000, Deduct	*-132.94*	
33 01 30 72-0111	LF	19.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	700.80	
		For Vinlyester Resin, Add	*462.64*	
		For Epoxy Resin, Add	*54.53*	
		For Up To >10, Add	*450.10*	
		For >10 To 25, Add	*264.93*	
		For >25 To 50, Add	*192.00*	
		For >50 To 100, Add	*96.00*	
		For >500 To 1,000, Deduct	*-36.04*	
		For >1,000 To 2,000, Deduct	*-54.55*	
		For >2,000 To 5,000, Deduct	*-89.28*	
		For >5,000, Deduct	*-148.14*	
33 01 30 72-0112	LF	19.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	843.50	
		For Vinlyester Resin, Add	*557.60*	
		For Epoxy Resin, Add	*65.72*	
		For Up To >10, Add	*539.08*	
		For >10 To 25, Add	*316.47*	
		For >25 To 50, Add	*229.71*	
		For >50 To 100, Add	*114.85*	
		For >500 To 1,000, Deduct	*-43.35*	
		For >1,000 To 2,000, Deduct	*-65.61*	
		For >2,000 To 5,000, Deduct	*-107.32*	
		For >5,000, Deduct	*-178.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0113	LF	19.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	986.61	
		For Vinlyester Resin, Add	*652.55*	
		For Epoxy Resin, Add	*76.91*	
		For Up To >10, Add	*629.28*	
		For >10 To 25, Add	*369.03*	
		For >25 To 50, Add	*268.03*	
		For >50 To 100, Add	*134.01*	
		For >500 To 1,000, Deduct	*-50.69*	
		For >1,000 To 2,000, Deduct	*-76.72*	
		For >2,000 To 5,000, Deduct	*-125.46*	
		For >5,000, Deduct	*-208.20*	
33 01 30 72-0114	LF	19.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,130.68	
		For Vinlyester Resin, Add	*747.52*	
		For Epoxy Resin, Add	*88.10*	
		For Up To >10, Add	*722.34*	
		For >10 To 25, Add	*423.97*	
		For >25 To 50, Add	*307.78*	
		For >50 To 100, Add	*153.89*	
		For >500 To 1,000, Deduct	*-58.10*	
		For >1,000 To 2,000, Deduct	*-87.94*	
		For >2,000 To 5,000, Deduct	*-143.85*	
		For >5,000, Deduct	*-238.70*	
33 01 30 72-0115	LF	19.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,274.33	
		For Vinlyester Resin, Add	*842.47*	
		For Epoxy Resin, Add	*99.29*	
		For Up To >10, Add	*814.17*	
		For >10 To 25, Add	*477.88*	
		For >25 To 50, Add	*346.91*	
		For >50 To 100, Add	*173.45*	
		For >500 To 1,000, Deduct	*-65.49*	
		For >1,000 To 2,000, Deduct	*-99.11*	
		For >2,000 To 5,000, Deduct	*-162.12*	
		For >5,000, Deduct	*-269.03*	
33 01 30 72-0116	LF	19.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,417.99	
		For Vinlyester Resin, Add	*937.43*	
		For Epoxy Resin, Add	*110.48*	
		For Up To >10, Add	*906.02*	
		For >10 To 25, Add	*531.82*	
		For >25 To 50, Add	*386.05*	
		For >50 To 100, Add	*193.03*	
		For >500 To 1,000, Deduct	*-72.87*	
		For >1,000 To 2,000, Deduct	*-110.29*	
		For >2,000 To 5,000, Deduct	*-180.40*	
		For >5,000, Deduct	*-299.36*	
33 01 30 72-0117	LF	19.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,563.27	
		For Vinlyester Resin, Add	*1,032.39*	
		For Epoxy Resin, Add	*121.67*	
		For Up To >10, Add	*1,002.71*	
		For >10 To 25, Add	*589.79*	
		For >25 To 50, Add	*427.61*	
		For >50 To 100, Add	*213.81*	
		For >500 To 1,000, Deduct	*-80.37*	
		For >1,000 To 2,000, Deduct	*-121.67*	
		For >2,000 To 5,000, Deduct	*-199.09*	
		For >5,000, Deduct	*-330.34*	
33 01 30 72-0118	LF	19.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,707.06	
		For Vinlyester Resin, Add	*1,127.34*	
		For Epoxy Resin, Add	*132.87*	
		For Up To >10, Add	*1,094.96*	
		For >10 To 25, Add	*644.05*	
		For >25 To 50, Add	*466.95*	
		For >50 To 100, Add	*233.48*	
		For >500 To 1,000, Deduct	*-87.77*	
		For >1,000 To 2,000, Deduct	*-132.86*	
		For >2,000 To 5,000, Deduct	*-217.40*	
		For >5,000, Deduct	*-360.73*	

33 01 30 72-0119 21mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0120	LF	21mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	446.89	
		For Vinlyester Resin, Add	*292.69*	
		For Epoxy Resin, Add	*34.50*	
		For Up To >10, Add	*295.35*	
		For >10 To 25, Add	*176.43*	
		For >25 To 50, Add	*126.77*	
		For >50 To 100, Add	*63.38*	
		For >500 To 1,000, Deduct	*-23.06*	
		For >1,000 To 2,000, Deduct	*-34.95*	
		For >2,000 To 5,000, Deduct	*-57.37*	
		For >5,000, Deduct	*-95.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0121	LF	21mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	522.38	
		For Vinlyester Resin, Add	*343.83*	
		For Epoxy Resin, Add	*40.52*	
		For Up To >10, Add	*339.19*	
		For >10 To 25, Add	*200.80*	
		For >25 To 50, Add	*145.04*	
		For >50 To 100, Add	*72.52*	
		For >500 To 1,000, Deduct	*-26.90*	
		For >1,000 To 2,000, Deduct	*-40.74*	
		For >2,000 To 5,000, Deduct	*-66.74*	
		For >5,000, Deduct	*-110.72*	
33 01 30 72-0122	LF	21mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	598.28	
		For Vinlyester Resin, Add	*394.96*	
		For Epoxy Resin, Add	*46.55*	
		For Up To >10, Add	*384.27*	
		For >10 To 25, Add	*226.18*	
		For >25 To 50, Add	*163.92*	
		For >50 To 100, Add	*81.96*	
		For >500 To 1,000, Deduct	*-30.77*	
		For >1,000 To 2,000, Deduct	*-46.57*	
		For >2,000 To 5,000, Deduct	*-76.22*	
		For >5,000, Deduct	*-126.47*	
33 01 30 72-0123	LF	21mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	674.03	
		For Vinlyester Resin, Add	*446.09*	
		For Epoxy Resin, Add	*52.57*	
		For Up To >10, Add	*428.92*	
		For >10 To 25, Add	*251.22*	
		For >25 To 50, Add	*182.59*	
		For >50 To 100, Add	*91.30*	
		For >500 To 1,000, Deduct	*-34.62*	
		For >1,000 To 2,000, Deduct	*-52.39*	
		For >2,000 To 5,000, Deduct	*-85.66*	
		For >5,000, Deduct	*-142.16*	
33 01 30 72-0124	LF	21mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	751.28	
		For Vinlyester Resin, Add	*497.22*	
		For Epoxy Resin, Add	*58.60*	
		For Up To >10, Add	*478.04*	
		For >10 To 25, Add	*279.98*	
		For >25 To 50, Add	*203.50*	
		For >50 To 100, Add	*101.75*	
		For >500 To 1,000, Deduct	*-38.59*	
		For >1,000 To 2,000, Deduct	*-58.39*	
		For >2,000 To 5,000, Deduct	*-95.48*	
		For >5,000, Deduct	*-158.45*	
33 01 30 72-0125	LF	21mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	905.78	
		For Vinlyester Resin, Add	*599.49*	
		For Epoxy Resin, Add	*70.65*	
		For Up To >10, Add	*576.32*	
		For >10 To 25, Add	*337.53*	
		For >25 To 50, Add	*245.34*	
		For >50 To 100, Add	*122.67*	
		For >500 To 1,000, Deduct	*-46.52*	
		For >1,000 To 2,000, Deduct	*-70.40*	
		For >2,000 To 5,000, Deduct	*-115.11*	
		For >5,000, Deduct	*-191.03*	
33 01 30 72-0126	LF	21mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,060.28	
		For Vinlyester Resin, Add	*701.75*	
		For Epoxy Resin, Add	*82.71*	
		For Up To >10, Add	*674.59*	
		For >10 To 25, Add	*395.08*	
		For >25 To 50, Add	*287.17*	
		For >50 To 100, Add	*143.59*	
		For >500 To 1,000, Deduct	*-54.46*	
		For >1,000 To 2,000, Deduct	*-82.41*	
		For >2,000 To 5,000, Deduct	*-134.75*	
		For >5,000, Deduct	*-223.61*	
33 01 30 72-0127	LF	21mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,214.77	
		For Vinlyester Resin, Add	*804.01*	
		For Epoxy Resin, Add	*94.76*	
		For Up To >10, Add	*772.86*	
		For >10 To 25, Add	*452.62*	
		For >25 To 50, Add	*329.00*	
		For >50 To 100, Add	*164.50*	
		For >500 To 1,000, Deduct	*-62.39*	
		For >1,000 To 2,000, Deduct	*-94.42*	
		For >2,000 To 5,000, Deduct	*-154.38*	
		For >5,000, Deduct	*-256.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0128	LF	21mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,369.27	
		For Vinlyester Resin, Add	*906.27*	
		For Epoxy Resin, Add	*106.81*	
		For Up To >10, Add	*871.14*	
		For >10 To 25, Add	*510.17*	
		For >25 To 50, Add	*370.83*	
		For >50 To 100, Add	*185.42*	
		For >500 To 1,000, Deduct	*-70.33*	
		For >1,000 To 2,000, Deduct	*-106.43*	
		For >2,000 To 5,000, Deduct	*-174.01*	
		For >5,000, Deduct	*-288.77*	
33 01 30 72-0129	LF	21mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,523.77	
		For Vinlyester Resin, Add	*1,008.53*	
		For Epoxy Resin, Add	*118.86*	
		For Up To >10, Add	*969.41*	
		For >10 To 25, Add	*567.72*	
		For >25 To 50, Add	*412.67*	
		For >50 To 100, Add	*206.33*	
		For >500 To 1,000, Deduct	*-78.26*	
		For >1,000 To 2,000, Deduct	*-118.43*	
		For >2,000 To 5,000, Deduct	*-193.64*	
		For >5,000, Deduct	*-321.36*	
33 01 30 72-0130	LF	21mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,681.27	
		For Vinlyester Resin, Add	*1,110.80*	
		For Epoxy Resin, Add	*130.92*	
		For Up To >10, Add	*1,076.66*	
		For >10 To 25, Add	*632.74*	
		For >25 To 50, Add	*458.99*	
		For >50 To 100, Add	*229.49*	
		For >500 To 1,000, Deduct	*-86.42*	
		For >1,000 To 2,000, Deduct	*-130.82*	
		For >2,000 To 5,000, Deduct	*-214.03*	
		For >5,000, Deduct	*-355.14*	
33 01 30 72-0131	LF	21mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,836.04	
		For Vinlyester Resin, Add	*1,213.07*	
		For Epoxy Resin, Add	*142.97*	
		For Up To >10, Add	*1,175.75*	
		For >10 To 25, Add	*690.96*	
		For >25 To 50, Add	*501.23*	
		For >50 To 100, Add	*250.61*	
		For >500 To 1,000, Deduct	*-94.38*	
		For >1,000 To 2,000, Deduct	*-142.86*	
		For >2,000 To 5,000, Deduct	*-233.73*	
		For >5,000, Deduct	*-387.83*	

33 01 30 72-0132 22.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0133	LF	22.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	476.04	
		For Vinlyester Resin, Add	*312.53*	
		For Epoxy Resin, Add	*36.83*	
		For Up To >10, Add	*311.95*	
		For >10 To 25, Add	*185.54*	
		For >25 To 50, Add	*133.65*	
		For >50 To 100, Add	*66.82*	
		For >500 To 1,000, Deduct	*-24.54*	
		For >1,000 To 2,000, Deduct	*-37.18*	
		For >2,000 To 5,000, Deduct	*-60.97*	
		For >5,000, Deduct	*-101.12*	
33 01 30 72-0134	LF	22.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	556.74	
		For Vinlyester Resin, Add	*367.31*	
		For Epoxy Resin, Add	*43.29*	
		For Up To >10, Add	*358.40*	
		For >10 To 25, Add	*211.21*	
		For >25 To 50, Add	*152.96*	
		For >50 To 100, Add	*76.48*	
		For >500 To 1,000, Deduct	*-28.64*	
		For >1,000 To 2,000, Deduct	*-43.36*	
		For >2,000 To 5,000, Deduct	*-70.97*	
		For >5,000, Deduct	*-117.75*	
33 01 30 72-0135	LF	22.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	638.26	
		For Vinlyester Resin, Add	*422.09*	
		For Epoxy Resin, Add	*49.75*	
		For Up To >10, Add	*407.31*	
		For >10 To 25, Add	*238.92*	
		For >25 To 50, Add	*173.50*	
		For >50 To 100, Add	*86.75*	
		For >500 To 1,000, Deduct	*-32.79*	
		For >1,000 To 2,000, Deduct	*-49.63*	
		For >2,000 To 5,000, Deduct	*-81.18*	
		For >5,000, Deduct	*-134.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0136	LF	22.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	720.18	
		For Vinlyester Resin, Add	*476.88*	
		For Epoxy Resin, Add	*56.20*	
		For Up To >10, Add	*457.42*	
		For >10 To 25, Add	*267.64*	
		For >25 To 50, Add	*194.65*	
		For >50 To 100, Add	*97.32*	
		For >500 To 1,000, Deduct	*-36.98*	
		For >1,000 To 2,000, Deduct	*-55.96*	
		For >2,000 To 5,000, Deduct	*-91.48*	
		For >5,000, Deduct	*-151.82*	
33 01 30 72-0137	LF	22.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	802.91	
		For Vinlyester Resin, Add	*531.66*	
		For Epoxy Resin, Add	*62.66*	
		For Up To >10, Add	*509.96*	
		For >10 To 25, Add	*298.38*	
		For >25 To 50, Add	*217.00*	
		For >50 To 100, Add	*108.50*	
		For >500 To 1,000, Deduct	*-41.23*	
		For >1,000 To 2,000, Deduct	*-62.39*	
		For >2,000 To 5,000, Deduct	*-101.99*	
		For >5,000, Deduct	*-169.26*	
33 01 30 72-0138	LF	22.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	968.39	
		For Vinlyester Resin, Add	*641.22*	
		For Epoxy Resin, Add	*75.57*	
		For Up To >10, Add	*615.10*	
		For >10 To 25, Add	*359.91*	
		For >25 To 50, Add	*261.75*	
		For >50 To 100, Add	*130.87*	
		For >500 To 1,000, Deduct	*-49.73*	
		For >1,000 To 2,000, Deduct	*-75.25*	
		For >2,000 To 5,000, Deduct	*-123.01*	
		For >5,000, Deduct	*-204.15*	
33 01 30 72-0139	LF	22.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,133.86	
		For Vinlyester Resin, Add	*750.79*	
		For Epoxy Resin, Add	*88.49*	
		For Up To >10, Add	*720.18*	
		For >10 To 25, Add	*421.39*	
		For >25 To 50, Add	*306.46*	
		For >50 To 100, Add	*153.23*	
		For >500 To 1,000, Deduct	*-58.23*	
		For >1,000 To 2,000, Deduct	*-88.10*	
		For >2,000 To 5,000, Deduct	*-144.03*	
		For >5,000, Deduct	*-239.03*	
33 01 30 72-0140	LF	22.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,299.34	
		For Vinlyester Resin, Add	*860.36*	
		For Epoxy Resin, Add	*101.40*	
		For Up To >10, Add	*825.32*	
		For >10 To 25, Add	*482.92*	
		For >25 To 50, Add	*351.21*	
		For >50 To 100, Add	*175.60*	
		For >500 To 1,000, Deduct	*-66.72*	
		For >1,000 To 2,000, Deduct	*-100.96*	
		For >2,000 To 5,000, Deduct	*-165.05*	
		For >5,000, Deduct	*-273.92*	
33 01 30 72-0141	LF	22.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,464.82	
		For Vinlyester Resin, Add	*969.93*	
		For Epoxy Resin, Add	*114.31*	
		For Up To >10, Add	*930.44*	
		For >10 To 25, Add	*544.43*	
		For >25 To 50, Add	*395.94*	
		For >50 To 100, Add	*197.97*	
		For >500 To 1,000, Deduct	*-75.22*	
		For >1,000 To 2,000, Deduct	*-113.82*	
		For >2,000 To 5,000, Deduct	*-186.08*	
		For >5,000, Deduct	*-308.81*	
33 01 30 72-0142	LF	22.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,630.30	
		For Vinlyester Resin, Add	*1,079.49*	
		For Epoxy Resin, Add	*127.23*	
		For Up To >10, Add	*1,035.58*	
		For >10 To 25, Add	*605.96*	
		For >25 To 50, Add	*440.68*	
		For >50 To 100, Add	*220.34*	
		For >500 To 1,000, Deduct	*-83.72*	
		For >1,000 To 2,000, Deduct	*-126.68*	
		For >2,000 To 5,000, Deduct	*-207.10*	
		For >5,000, Deduct	*-343.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0143	LF	22.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,798.90	
		For Vinlyester Resin, Add	*1,189.06*	
		For Epoxy Resin, Add	*140.14*	
		For Up To >10, Add	*1,150.05*	
		For >10 To 25, Add	*675.27*	
		For >25 To 50, Add	*490.09*	
		For >50 To 100, Add	*245.05*	
		For >500 To 1,000, Deduct	*-92.45*	
		For >1,000 To 2,000, Deduct	*-139.93*	
		For >2,000 To 5,000, Deduct	*-228.90*	
		For >5,000, Deduct	*-379.83*	
33 01 30 72-0144	LF	22.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,964.64	
		For Vinlyester Resin, Add	*1,298.63*	
		For Epoxy Resin, Add	*153.05*	
		For Up To >10, Add	*1,255.97*	
		For >10 To 25, Add	*737.45*	
		For >25 To 50, Add	*535.23*	
		For >50 To 100, Add	*267.61*	
		For >500 To 1,000, Deduct	*-100.97*	
		For >1,000 To 2,000, Deduct	*-152.82*	
		For >2,000 To 5,000, Deduct	*-249.99*	
		For >5,000, Deduct	*-414.82*	

33 01 30 72-0145 24mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0146	LF	24mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	504.82	
		For Vinlyester Resin, Add	*332.21*	
		For Epoxy Resin, Add	*39.15*	
		For Up To >10, Add	*328.01*	
		For >10 To 25, Add	*194.25*	
		For >25 To 50, Add	*140.28*	
		For >50 To 100, Add	*70.14*	
		For >500 To 1,000, Deduct	*-26.00*	
		For >1,000 To 2,000, Deduct	*-39.37*	
		For >2,000 To 5,000, Deduct	*-64.51*	
		For >5,000, Deduct	*-107.01*	
33 01 30 72-0147	LF	24mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	590.76	
		For Vinlyester Resin, Add	*390.65*	
		For Epoxy Resin, Add	*46.04*	
		For Up To >10, Add	*377.11*	
		For >10 To 25, Add	*221.24*	
		For >25 To 50, Add	*160.65*	
		For >50 To 100, Add	*80.32*	
		For >500 To 1,000, Deduct	*-30.36*	
		For >1,000 To 2,000, Deduct	*-45.94*	
		For >2,000 To 5,000, Deduct	*-75.14*	
		For >5,000, Deduct	*-124.69*	
33 01 30 72-0148	LF	24mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	677.89	
		For Vinlyester Resin, Add	*449.08*	
		For Epoxy Resin, Add	*52.93*	
		For Up To >10, Add	*429.82*	
		For >10 To 25, Add	*251.26*	
		For >25 To 50, Add	*182.83*	
		For >50 To 100, Add	*91.42*	
		For >500 To 1,000, Deduct	*-34.80*	
		For >1,000 To 2,000, Deduct	*-52.66*	
		For >2,000 To 5,000, Deduct	*-86.07*	
		For >5,000, Deduct	*-142.85*	
33 01 30 72-0149	LF	24mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	766.12	
		For Vinlyester Resin, Add	*507.51*	
		For Epoxy Resin, Add	*59.81*	
		For Up To >10, Add	*485.81*	
		For >10 To 25, Add	*284.01*	
		For >25 To 50, Add	*206.65*	
		For >50 To 100, Add	*103.33*	
		For >500 To 1,000, Deduct	*-39.33*	
		For >1,000 To 2,000, Deduct	*-59.51*	
		For >2,000 To 5,000, Deduct	*-97.28*	
		For >5,000, Deduct	*-161.44*	
33 01 30 72-0150	LF	24mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	854.35	
		For Vinlyester Resin, Add	*565.96*	
		For Epoxy Resin, Add	*66.70*	
		For Up To >10, Add	*541.78*	
		For >10 To 25, Add	*316.73*	
		For >25 To 50, Add	*230.46*	
		For >50 To 100, Add	*115.23*	
		For >500 To 1,000, Deduct	*-43.86*	
		For >1,000 To 2,000, Deduct	*-66.37*	
		For >2,000 To 5,000, Deduct	*-108.48*	
		For >5,000, Deduct	*-180.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0151	LF	24mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,030.81	
		For Vinlyester Resin, Add	*682.83*	
		For Epoxy Resin, Add	*80.48*	
		For Up To >10, Add	*653.76*	
		For >10 To 25, Add	*382.22*	
		For >25 To 50, Add	*278.10*	
		For >50 To 100, Add	*139.05*	
		For >500 To 1,000, Deduct	*-52.92*	
		For >1,000 To 2,000, Deduct	*-80.08*	
		For >2,000 To 5,000, Deduct	*-130.89*	
		For >5,000, Deduct	*-217.23*	
33 01 30 72-0152	LF	24mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,254.14	
		For Vinlyester Resin, Add	*832.62*	
		For Epoxy Resin, Add	*98.13*	
		For Up To >10, Add	*788.80*	
		For >10 To 25, Add	*459.09*	
		For >25 To 50, Add	*334.93*	
		For >50 To 100, Add	*167.46*	
		For >500 To 1,000, Deduct	*-64.32*	
		For >1,000 To 2,000, Deduct	*-97.30*	
		For >2,000 To 5,000, Deduct	*-158.91*	
		For >5,000, Deduct	*-263.77*	
33 01 30 72-0153	LF	24mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,383.57	
		For Vinlyester Resin, Add	*916.57*	
		For Epoxy Resin, Add	*108.02*	
		For Up To >10, Add	*877.26*	
		For >10 To 25, Add	*512.82*	
		For >25 To 50, Add	*373.16*	
		For >50 To 100, Add	*186.58*	
		For >500 To 1,000, Deduct	*-71.03*	
		For >1,000 To 2,000, Deduct	*-107.48*	
		For >2,000 To 5,000, Deduct	*-175.67*	
		For >5,000, Deduct	*-291.55*	
33 01 30 72-0154	LF	24mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,560.02	
		For Vinlyester Resin, Add	*1,033.44*	
		For Epoxy Resin, Add	*121.80*	
		For Up To >10, Add	*989.21*	
		For >10 To 25, Add	*578.29*	
		For >25 To 50, Add	*420.79*	
		For >50 To 100, Add	*210.39*	
		For >500 To 1,000, Deduct	*-80.09*	
		For >1,000 To 2,000, Deduct	*-121.19*	
		For >2,000 To 5,000, Deduct	*-198.08*	
		For >5,000, Deduct	*-328.74*	
33 01 30 72-0155	LF	24mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,736.48	
		For Vinlyester Resin, Add	*1,150.31*	
		For Epoxy Resin, Add	*135.57*	
		For Up To >10, Add	*1,101.19*	
		For >10 To 25, Add	*643.78*	
		For >25 To 50, Add	*468.43*	
		For >50 To 100, Add	*234.22*	
		For >500 To 1,000, Deduct	*-89.15*	
		For >1,000 To 2,000, Deduct	*-134.90*	
		For >2,000 To 5,000, Deduct	*-220.49*	
		For >5,000, Deduct	*-365.93*	
33 01 30 72-0156	LF	24mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,916.20	
		For Vinlyester Resin, Add	*1,267.18*	
		For Epoxy Resin, Add	*149.35*	
		For Up To >10, Add	*1,222.95*	
		For >10 To 25, Add	*717.42*	
		For >25 To 50, Add	*520.96*	
		For >50 To 100, Add	*260.48*	
		For >500 To 1,000, Deduct	*-98.46*	
		For >1,000 To 2,000, Deduct	*-149.01*	
		For >2,000 To 5,000, Deduct	*-243.72*	
		For >5,000, Deduct	*-404.43*	
33 01 30 72-0157	LF	24mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,092.92	
		For Vinlyester Resin, Add	*1,384.05*	
		For Epoxy Resin, Add	*163.12*	
		For Up To >10, Add	*1,335.71*	
		For >10 To 25, Add	*783.56*	
		For >25 To 50, Add	*568.99*	
		For >50 To 100, Add	*284.50*	
		For >500 To 1,000, Deduct	*-107.54*	
		For >1,000 To 2,000, Deduct	*-162.75*	
		For >2,000 To 5,000, Deduct	*-266.19*	
		For >5,000, Deduct	*-441.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0158	LF	24mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,269.65	
		For Vinlyester Resin, Add	*1,500.93*	
		For Epoxy Resin, Add	*176.89*	
		For Up To >10, Add	*1,448.50*	
		For >10 To 25, Add	*849.72*	
		For >25 To 50, Add	*617.04*	
		For >50 To 100, Add	*308.52*	
		For >500 To 1,000, Deduct	*-116.62*	
		For >1,000 To 2,000, Deduct	*-176.50*	
		For >2,000 To 5,000, Deduct	*-288.67*	
		For >5,000, Deduct	*-479.02*	
33 01 30 72-0159	LF	24mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,446.37	
		For Vinlyester Resin, Add	*1,617.80*	
		For Epoxy Resin, Add	*190.67*	
		For Up To >10, Add	*1,561.26*	
		For >10 To 25, Add	*915.86*	
		For >25 To 50, Add	*665.07*	
		For >50 To 100, Add	*332.54*	
		For >500 To 1,000, Deduct	*-125.70*	
		For >1,000 To 2,000, Deduct	*-190.24*	
		For >2,000 To 5,000, Deduct	*-311.14*	
		For >5,000, Deduct	*-516.32*	

33 01 30 72-0160 25.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0161	LF	25.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	624.97	
		For Vinlyester Resin, Add	*413.84*	
		For Epoxy Resin, Add	*48.77*	
		For Up To >10, Add	*396.91*	
		For >10 To 25, Add	*232.23*	
		For >25 To 50, Add	*168.90*	
		For >50 To 100, Add	*84.45*	
		For >500 To 1,000, Deduct	*-32.09*	
		For >1,000 To 2,000, Deduct	*-48.56*	
		For >2,000 To 5,000, Deduct	*-79.39*	
		For >5,000, Deduct	*-131.75*	
33 01 30 72-0162	LF	25.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	718.14	
		For Vinlyester Resin, Add	*475.92*	
		For Epoxy Resin, Add	*56.09*	
		For Up To >10, Add	*454.70*	
		For >10 To 25, Add	*265.60*	
		For >25 To 50, Add	*193.35*	
		For >50 To 100, Add	*96.68*	
		For >500 To 1,000, Deduct	*-36.86*	
		For >1,000 To 2,000, Deduct	*-55.77*	
		For >2,000 To 5,000, Deduct	*-91.15*	
		For >5,000, Deduct	*-151.28*	
33 01 30 72-0163	LF	25.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	811.86	
		For Vinlyester Resin, Add	*538.01*	
		For Epoxy Resin, Add	*63.41*	
		For Up To >10, Add	*514.11*	
		For >10 To 25, Add	*300.32*	
		For >25 To 50, Add	*218.62*	
		For >50 To 100, Add	*109.31*	
		For >500 To 1,000, Deduct	*-41.67*	
		For >1,000 To 2,000, Deduct	*-63.05*	
		For >2,000 To 5,000, Deduct	*-103.05*	
		For >5,000, Deduct	*-171.03*	
33 01 30 72-0164	LF	25.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	905.44	
		For Vinlyester Resin, Add	*600.10*	
		For Epoxy Resin, Add	*70.73*	
		For Up To >10, Add	*573.10*	
		For >10 To 25, Add	*334.70*	
		For >25 To 50, Add	*243.68*	
		For >50 To 100, Add	*121.84*	
		For >500 To 1,000, Deduct	*-46.48*	
		For >1,000 To 2,000, Deduct	*-70.32*	
		For >2,000 To 5,000, Deduct	*-114.91*	
		For >5,000, Deduct	*-190.72*	
33 01 30 72-0165	LF	25.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,092.87	
		For Vinlyester Resin, Add	*724.28*	
		For Epoxy Resin, Add	*85.36*	
		For Up To >10, Add	*691.91*	
		For >10 To 25, Add	*404.15*	
		For >25 To 50, Add	*294.22*	
		For >50 To 100, Add	*147.11*	
		For >500 To 1,000, Deduct	*-56.10*	
		For >1,000 To 2,000, Deduct	*-84.87*	
		For >2,000 To 5,000, Deduct	*-138.71*	
		For >5,000, Deduct	*-230.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0166	LF	25.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,280.17	
		For Vinlyester Resin, Add	*848.46*	
		For Epoxy Resin, Add	*100.00*	
		For Up To >10, Add	*810.31*	
		For >10 To 25, Add	*473.25*	
		For >25 To 50, Add	*344.55*	
		For >50 To 100, Add	*172.28*	
		For >500 To 1,000, Deduct	*-65.71*	
		For >1,000 To 2,000, Deduct	*-99.42*	
		For >2,000 To 5,000, Deduct	*-162.47*	
		For >5,000, Deduct	*-269.65*	
33 01 30 72-0167	LF	25.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,467.61	
		For Vinlyester Resin, Add	*972.64*	
		For Epoxy Resin, Add	*114.63*	
		For Up To >10, Add	*929.13*	
		For >10 To 25, Add	*542.70*	
		For >25 To 50, Add	*395.09*	
		For >50 To 100, Add	*197.55*	
		For >500 To 1,000, Deduct	*-75.33*	
		For >1,000 To 2,000, Deduct	*-113.98*	
		For >2,000 To 5,000, Deduct	*-186.27*	
		For >5,000, Deduct	*-309.15*	
33 01 30 72-0168	LF	25.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,654.90	
		For Vinlyester Resin, Add	*1,096.81*	
		For Epoxy Resin, Add	*129.27*	
		For Up To >10, Add	*1,047.53*	
		For >10 To 25, Add	*611.79*	
		For >25 To 50, Add	*445.42*	
		For >50 To 100, Add	*222.71*	
		For >500 To 1,000, Deduct	*-84.95*	
		For >1,000 To 2,000, Deduct	*-128.52*	
		For >2,000 To 5,000, Deduct	*-210.03*	
		For >5,000, Deduct	*-348.59*	
33 01 30 72-0169	LF	25.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,842.32	
		For Vinlyester Resin, Add	*1,220.98*	
		For Epoxy Resin, Add	*143.90*	
		For Up To >10, Add	*1,166.31*	
		For >10 To 25, Add	*681.22*	
		For >25 To 50, Add	*495.94*	
		For >50 To 100, Add	*247.97*	
		For >500 To 1,000, Deduct	*-94.57*	
		For >1,000 To 2,000, Deduct	*-143.08*	
		For >2,000 To 5,000, Deduct	*-233.83*	
		For >5,000, Deduct	*-388.08*	
33 01 30 72-0170	LF	25.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,034.10	
		For Vinlyester Resin, Add	*1,345.16*	
		For Epoxy Resin, Add	*158.54*	
		For Up To >10, Add	*1,298.15*	
		For >10 To 25, Add	*761.52*	
		For >25 To 50, Add	*552.99*	
		For >50 To 100, Add	*276.50*	
		For >500 To 1,000, Deduct	*-104.52*	
		For >1,000 To 2,000, Deduct	*-158.18*	
		For >2,000 To 5,000, Deduct	*-258.71*	
		For >5,000, Deduct	*-429.31*	
33 01 30 72-0171	LF	25.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,221.93	
		For Vinlyester Resin, Add	*1,469.34*	
		For Epoxy Resin, Add	*173.17*	
		For Up To >10, Add	*1,418.17*	
		For >10 To 25, Add	*831.96*	
		For >25 To 50, Add	*604.13*	
		For >50 To 100, Add	*302.07*	
		For >500 To 1,000, Deduct	*-114.17*	
		For >1,000 To 2,000, Deduct	*-172.79*	
		For >2,000 To 5,000, Deduct	*-282.61*	
		For >5,000, Deduct	*-468.96*	
33 01 30 72-0172	LF	25.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,409.63	
		For Vinlyester Resin, Add	*1,593.51*	
		For Epoxy Resin, Add	*187.81*	
		For Up To >10, Add	*1,537.79*	
		For >10 To 25, Add	*902.09*	
		For >25 To 50, Add	*655.07*	
		For >50 To 100, Add	*327.54*	
		For >500 To 1,000, Deduct	*-123.81*	
		For >1,000 To 2,000, Deduct	*-187.38*	
		For >2,000 To 5,000, Deduct	*-306.47*	
		For >5,000, Deduct	*-508.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0173	LF	25.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,597.48	
		For Vinlyester Resin, Add	*1,717.69*	
		For Epoxy Resin, Add	*202.44*	
		For Up To >10, Add	*1,657.84*	
		For >10 To 25, Add	*972.56*	
		For >25 To 50, Add	*706.23*	
		For >50 To 100, Add	*353.11*	
		For >500 To 1,000, Deduct	*-133.47*	
		For >1,000 To 2,000, Deduct	*-201.99*	
		For >2,000 To 5,000, Deduct	*-330.37*	
		For >5,000, Deduct	*-548.22*	

33 01 30 72-0174 27mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0175	LF	27mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	658.85	
		For Vinlyester Resin, Add	*436.88*	
		For Epoxy Resin, Add	*51.49*	
		For Up To >10, Add	*416.25*	
		For >10 To 25, Add	*242.86*	
		For >25 To 50, Add	*176.92*	
		For >50 To 100, Add	*88.46*	
		For >500 To 1,000, Deduct	*-33.81*	
		For >1,000 To 2,000, Deduct	*-51.15*	
		For >2,000 To 5,000, Deduct	*-83.58*	
		For >5,000, Deduct	*-138.72*	
33 01 30 72-0176	LF	27mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	758.05	
		For Vinlyester Resin, Add	*502.63*	
		For Epoxy Resin, Add	*59.24*	
		For Up To >10, Add	*479.05*	
		For >10 To 25, Add	*279.54*	
		For >25 To 50, Add	*203.62*	
		For >50 To 100, Add	*101.81*	
		For >500 To 1,000, Deduct	*-38.90*	
		For >1,000 To 2,000, Deduct	*-58.85*	
		For >2,000 To 5,000, Deduct	*-96.17*	
		For >5,000, Deduct	*-159.61*	
33 01 30 72-0177	LF	27mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	857.26	
		For Vinlyester Resin, Add	*568.37*	
		For Epoxy Resin, Add	*66.99*	
		For Up To >10, Add	*541.88*	
		For >10 To 25, Add	*316.24*	
		For >25 To 50, Add	*230.34*	
		For >50 To 100, Add	*115.17*	
		For >500 To 1,000, Deduct	*-44.00*	
		For >1,000 To 2,000, Deduct	*-66.56*	
		For >2,000 To 5,000, Deduct	*-108.76*	
		For >5,000, Deduct	*-180.51*	
33 01 30 72-0178	LF	27mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	956.32	
		For Vinlyester Resin, Add	*634.11*	
		For Epoxy Resin, Add	*74.73*	
		For Up To >10, Add	*604.29*	
		For >10 To 25, Add	*352.59*	
		For >25 To 50, Add	*256.85*	
		For >50 To 100, Add	*128.42*	
		For >500 To 1,000, Deduct	*-49.08*	
		For >1,000 To 2,000, Deduct	*-74.25*	
		For >2,000 To 5,000, Deduct	*-121.32*	
		For >5,000, Deduct	*-201.35*	
33 01 30 72-0179	LF	27mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,154.60	
		For Vinlyester Resin, Add	*765.59*	
		For Epoxy Resin, Add	*90.23*	
		For Up To >10, Add	*729.55*	
		For >10 To 25, Add	*425.68*	
		For >25 To 50, Add	*310.09*	
		For >50 To 100, Add	*155.05*	
		For >500 To 1,000, Deduct	*-59.25*	
		For >1,000 To 2,000, Deduct	*-89.64*	
		For >2,000 To 5,000, Deduct	*-146.47*	
		For >5,000, Deduct	*-243.10*	
33 01 30 72-0180	LF	27mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,353.01	
		For Vinlyester Resin, Add	*897.07*	
		For Epoxy Resin, Add	*105.73*	
		For Up To >10, Add	*855.21*	
		For >10 To 25, Add	*499.08*	
		For >25 To 50, Add	*363.53*	
		For >50 To 100, Add	*181.76*	
		For >500 To 1,000, Deduct	*-69.44*	
		For >1,000 To 2,000, Deduct	*-105.05*	
		For >2,000 To 5,000, Deduct	*-171.65*	
		For >5,000, Deduct	*-284.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0181	LF	27mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,551.28	
		For Vinlyester Resin, Add	*1,028.55*	
		For Epoxy Resin, Add	*121.22*	
		For Up To >10, Add	*980.44*	
		For >10 To 25, Add	*572.14*	
		For >25 To 50, Add	*416.75*	
		For >50 To 100, Add	*208.38*	
		For >500 To 1,000, Deduct	*-79.61*	
		For >1,000 To 2,000, Deduct	*-120.44*	
		For >2,000 To 5,000, Deduct	*-196.80*	
		For >5,000, Deduct	*-326.64*	
33 01 30 72-0182	LF	27mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,749.56	
		For Vinlyester Resin, Add	*1,160.03*	
		For Epoxy Resin, Add	*136.72*	
		For Up To >10, Add	*1,105.71*	
		For >10 To 25, Add	*645.22*	
		For >25 To 50, Add	*469.99*	
		For >50 To 100, Add	*235.00*	
		For >500 To 1,000, Deduct	*-89.79*	
		For >1,000 To 2,000, Deduct	*-135.84*	
		For >2,000 To 5,000, Deduct	*-221.96*	
		For >5,000, Deduct	*-368.39*	
33 01 30 72-0183	LF	27mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,947.82	
		For Vinlyester Resin, Add	*1,291.51*	
		For Epoxy Resin, Add	*152.21*	
		For Up To >10, Add	*1,230.94*	
		For >10 To 25, Add	*718.28*	
		For >25 To 50, Add	*523.22*	
		For >50 To 100, Add	*261.61*	
		For >500 To 1,000, Deduct	*-99.96*	
		For >1,000 To 2,000, Deduct	*-151.23*	
		For >2,000 To 5,000, Deduct	*-247.10*	
		For >5,000, Deduct	*-410.13*	
33 01 30 72-0184	LF	27mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,151.80	
		For Vinlyester Resin, Add	*1,423.00*	
		For Epoxy Resin, Add	*167.71*	
		For Up To >10, Add	*1,373.28*	
		For >10 To 25, Add	*805.59*	
		For >25 To 50, Add	*585.00*	
		For >50 To 100, Add	*292.50*	
		For >500 To 1,000, Deduct	*-110.56*	
		For >1,000 To 2,000, Deduct	*-167.33*	
		For >2,000 To 5,000, Deduct	*-273.68*	
		For >5,000, Deduct	*-454.15*	
33 01 30 72-0185	LF	27mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,350.62	
		For Vinlyester Resin, Add	*1,554.48*	
		For Epoxy Resin, Add	*183.21*	
		For Up To >10, Add	*1,500.16*	
		For >10 To 25, Add	*880.02*	
		For >25 To 50, Add	*639.05*	
		For >50 To 100, Add	*319.52*	
		For >500 To 1,000, Deduct	*-120.78*	
		For >1,000 To 2,000, Deduct	*-182.79*	
		For >2,000 To 5,000, Deduct	*-298.97*	
		For >5,000, Deduct	*-496.11*	
33 01 30 72-0186	LF	27mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,549.43	
		For Vinlyester Resin, Add	*1,685.95*	
		For Epoxy Resin, Add	*198.70*	
		For Up To >10, Add	*1,627.04*	
		For >10 To 25, Add	*954.45*	
		For >25 To 50, Add	*693.10*	
		For >50 To 100, Add	*346.55*	
		For >500 To 1,000, Deduct	*-130.99*	
		For >1,000 To 2,000, Deduct	*-198.25*	
		For >2,000 To 5,000, Deduct	*-324.25*	
		For >5,000, Deduct	*-538.07*	
33 01 30 72-0187	LF	27mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,748.25	
		For Vinlyester Resin, Add	*1,817.43*	
		For Epoxy Resin, Add	*214.20*	
		For Up To >10, Add	*1,753.93*	
		For >10 To 25, Add	*1,028.88*	
		For >25 To 50, Add	*747.15*	
		For >50 To 100, Add	*373.57*	
		For >500 To 1,000, Deduct	*-141.21*	
		For >1,000 To 2,000, Deduct	*-213.71*	
		For >2,000 To 5,000, Deduct	*-349.54*	
		For >5,000, Deduct	*-580.03*	

33 01 30 72-0188 28.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0189	LF	28.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	797.49	
		For Vinlyester Resin, Add	*529.19*	
		For Epoxy Resin, Add	*62.37*	
		For Up To >10, Add	*502.52*	
		For >10 To 25, Add	*292.77*	
		For >25 To 50, Add	*213.46*	
		For >50 To 100, Add	*106.73*	
		For >500 To 1,000, Deduct	*-40.91*	
		For >1,000 To 2,000, Deduct	*-61.89*	
		For >2,000 To 5,000, Deduct	*-101.10*	
		For >5,000, Deduct	*-167.80*	
33 01 30 72-0190	LF	28.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	902.17	
		For Vinlyester Resin, Add	*598.58*	
		For Epoxy Resin, Add	*70.55*	
		For Up To >10, Add	*568.74*	
		For >10 To 25, Add	*331.43*	
		For >25 To 50, Add	*241.61*	
		For >50 To 100, Add	*120.81*	
		For >500 To 1,000, Deduct	*-46.29*	
		For >1,000 To 2,000, Deduct	*-70.02*	
		For >2,000 To 5,000, Deduct	*-114.38*	
		For >5,000, Deduct	*-189.85*	
33 01 30 72-0191	LF	28.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,006.73	
		For Vinlyester Resin, Add	*667.97*	
		For Epoxy Resin, Add	*78.72*	
		For Up To >10, Add	*634.59*	
		For >10 To 25, Add	*369.79*	
		For >25 To 50, Add	*269.58*	
		For >50 To 100, Add	*134.79*	
		For >500 To 1,000, Deduct	*-51.65*	
		For >1,000 To 2,000, Deduct	*-78.13*	
		For >2,000 To 5,000, Deduct	*-127.63*	
		For >5,000, Deduct	*-211.84*	
33 01 30 72-0192	LF	28.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,274.45	
		For Vinlyester Resin, Add	*847.78*	
		For Epoxy Resin, Add	*99.92*	
		For Up To >10, Add	*795.58*	
		For >10 To 25, Add	*461.13*	
		For >25 To 50, Add	*337.23*	
		For >50 To 100, Add	*168.62*	
		For >500 To 1,000, Deduct	*-65.31*	
		For >1,000 To 2,000, Deduct	*-98.75*	
		For >2,000 To 5,000, Deduct	*-161.17*	
		For >5,000, Deduct	*-267.56*	
33 01 30 72-0193	LF	28.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,425.10	
		For Vinlyester Resin, Add	*945.54*	
		For Epoxy Resin, Add	*111.44*	
		For Up To >10, Add	*898.38*	
		For >10 To 25, Add	*523.52*	
		For >25 To 50, Add	*381.65*	
		For >50 To 100, Add	*190.82*	
		For >500 To 1,000, Deduct	*-73.11*	
		For >1,000 To 2,000, Deduct	*-110.60*	
		For >2,000 To 5,000, Deduct	*-180.67*	
		For >5,000, Deduct	*-299.89*	
33 01 30 72-0194	LF	28.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,634.22	
		For Vinlyester Resin, Add	*1,084.33*	
		For Epoxy Resin, Add	*127.80*	
		For Up To >10, Add	*1,030.06*	
		For >10 To 25, Add	*600.21*	
		For >25 To 50, Add	*437.58*	
		For >50 To 100, Add	*218.79*	
		For >500 To 1,000, Deduct	*-83.84*	
		For >1,000 To 2,000, Deduct	*-126.83*	
		For >2,000 To 5,000, Deduct	*-207.18*	
		For >5,000, Deduct	*-343.88*	
33 01 30 72-0195	LF	28.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,843.33	
		For Vinlyester Resin, Add	*1,223.11*	
		For Epoxy Resin, Add	*144.15*	
		For Up To >10, Add	*1,161.74*	
		For >10 To 25, Add	*676.90*	
		For >25 To 50, Add	*493.51*	
		For >50 To 100, Add	*246.75*	
		For >500 To 1,000, Deduct	*-94.57*	
		For >1,000 To 2,000, Deduct	*-143.05*	
		For >2,000 To 5,000, Deduct	*-233.68*	
		For >5,000, Deduct	*-387.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0196	LF	28.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,052.45	
		For Vinlyester Resin, Add	*1,361.90*	
		For Epoxy Resin, Add	*160.51*	
		For Up To >10, Add	*1,293.43*	
		For >10 To 25, Add	*753.59*	
		For >25 To 50, Add	*549.43*	
		For >50 To 100, Add	*274.72*	
		For >500 To 1,000, Deduct	*-105.29*	
		For >1,000 To 2,000, Deduct	*-159.28*	
		For >2,000 To 5,000, Deduct	*-260.19*	
		For >5,000, Deduct	*-431.87*	
33 01 30 72-0197	LF	28.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,267.53	
		For Vinlyester Resin, Add	*1,500.68*	
		For Epoxy Resin, Add	*176.87*	
		For Up To >10, Add	*1,443.02*	
		For >10 To 25, Add	*845.21*	
		For >25 To 50, Add	*614.32*	
		For >50 To 100, Add	*307.16*	
		For >500 To 1,000, Deduct	*-116.47*	
		For >1,000 To 2,000, Deduct	*-176.25*	
		For >2,000 To 5,000, Deduct	*-288.18*	
		For >5,000, Deduct	*-478.25*	
33 01 30 72-0198	LF	28.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,477.18	
		For Vinlyester Resin, Add	*1,639.46*	
		For Epoxy Resin, Add	*193.22*	
		For Up To >10, Add	*1,576.32*	
		For >10 To 25, Add	*923.25*	
		For >25 To 50, Add	*671.05*	
		For >50 To 100, Add	*335.53*	
		For >500 To 1,000, Deduct	*-127.24*	
		For >1,000 To 2,000, Deduct	*-192.54*	
		For >2,000 To 5,000, Deduct	*-314.82*	
		For >5,000, Deduct	*-522.45*	
33 01 30 72-0199	LF	28.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,686.98	
		For Vinlyester Resin, Add	*1,778.25*	
		For Epoxy Resin, Add	*209.58*	
		For Up To >10, Add	*1,710.04*	
		For >10 To 25, Add	*1,001.64*	
		For >25 To 50, Add	*728.00*	
		For >50 To 100, Add	*364.00*	
		For >500 To 1,000, Deduct	*-138.01*	
		For >1,000 To 2,000, Deduct	*-208.85*	
		For >2,000 To 5,000, Deduct	*-341.50*	
		For >5,000, Deduct	*-566.72*	
33 01 30 72-0200	LF	28.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,896.64	
		For Vinlyester Resin, Add	*1,917.03*	
		For Epoxy Resin, Add	*225.94*	
		For Up To >10, Add	*1,843.37*	
		For >10 To 25, Add	*1,079.71*	
		For >25 To 50, Add	*784.75*	
		For >50 To 100, Add	*392.38*	
		For >500 To 1,000, Deduct	*-148.78*	
		For >1,000 To 2,000, Deduct	*-225.15*	
		For >2,000 To 5,000, Deduct	*-368.14*	
		For >5,000, Deduct	*-610.93*	

33 01 30 72-0201 30mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0202	LF	30mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	836.71	
		For Vinlyester Resin, Add	*555.60*	
		For Epoxy Resin, Add	*65.48*	
		For Up To >10, Add	*525.83*	
		For >10 To 25, Add	*305.91*	
		For >25 To 50, Add	*223.23*	
		For >50 To 100, Add	*111.61*	
		For >500 To 1,000, Deduct	*-42.91*	
		For >1,000 To 2,000, Deduct	*-64.90*	
		For >2,000 To 5,000, Deduct	*-105.99*	
		For >5,000, Deduct	*-175.94*	
33 01 30 72-0203	LF	30mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	946.76	
		For Vinlyester Resin, Add	*628.65*	
		For Epoxy Resin, Add	*74.09*	
		For Up To >10, Add	*595.11*	
		For >10 To 25, Add	*346.24*	
		For >25 To 50, Add	*252.65*	
		For >50 To 100, Add	*126.32*	
		For >500 To 1,000, Deduct	*-48.56*	
		For >1,000 To 2,000, Deduct	*-73.44*	
		For >2,000 To 5,000, Deduct	*-119.94*	
		For >5,000, Deduct	*-199.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0204	LF	30mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,056.80	
		For Vinlyester Resin, Add	*701.69*	
		For Epoxy Resin, Add	*82.70*	
		For Up To >10, Add	*664.38*	
		For >10 To 25, Add	*386.58*	
		For >25 To 50, Add	*282.07*	
		For >50 To 100, Add	*141.03*	
		For >500 To 1,000, Deduct	*-54.20*	
		For >1,000 To 2,000, Deduct	*-81.98*	
		For >2,000 To 5,000, Deduct	*-133.89*	
		For >5,000, Deduct	*-222.24*	
33 01 30 72-0205	LF	30mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,276.76	
		For Vinlyester Resin, Add	*847.78*	
		For Epoxy Resin, Add	*99.92*	
		For Up To >10, Add	*802.51*	
		For >10 To 25, Add	*466.90*	
		For >25 To 50, Add	*340.70*	
		For >50 To 100, Add	*170.35*	
		For >500 To 1,000, Deduct	*-65.48*	
		For >1,000 To 2,000, Deduct	*-99.04*	
		For >2,000 To 5,000, Deduct	*-161.75*	
		For >5,000, Deduct	*-268.48*	
33 01 30 72-0206	LF	30mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,496.85	
		For Vinlyester Resin, Add	*993.87*	
		For Epoxy Resin, Add	*117.13*	
		For Up To >10, Add	*941.03*	
		For >10 To 25, Add	*547.55*	
		For >25 To 50, Add	*399.52*	
		For >50 To 100, Add	*199.76*	
		For >500 To 1,000, Deduct	*-76.77*	
		For >1,000 To 2,000, Deduct	*-116.12*	
		For >2,000 To 5,000, Deduct	*-189.64*	
		For >5,000, Deduct	*-314.78*	
33 01 30 72-0207	LF	30mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,716.81	
		For Vinlyester Resin, Add	*1,139.96*	
		For Epoxy Resin, Add	*134.35*	
		For Up To >10, Add	*1,079.16*	
		For >10 To 25, Add	*627.88*	
		For >25 To 50, Add	*458.15*	
		For >50 To 100, Add	*229.08*	
		For >500 To 1,000, Deduct	*-88.05*	
		For >1,000 To 2,000, Deduct	*-133.18*	
		For >2,000 To 5,000, Deduct	*-217.50*	
		For >5,000, Deduct	*-361.02*	
33 01 30 72-0208	LF	30mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,936.91	
		For Vinlyester Resin, Add	*1,286.05*	
		For Epoxy Resin, Add	*151.57*	
		For Up To >10, Add	*1,217.71*	
		For >10 To 25, Add	*708.55*	
		For >25 To 50, Add	*516.99*	
		For >50 To 100, Add	*258.50*	
		For >500 To 1,000, Deduct	*-99.34*	
		For >1,000 To 2,000, Deduct	*-150.25*	
		For >2,000 To 5,000, Deduct	*-245.39*	
		For >5,000, Deduct	*-407.32*	
33 01 30 72-0209	LF	30mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,156.86	
		For Vinlyester Resin, Add	*1,432.14*	
		For Epoxy Resin, Add	*168.79*	
		For Up To >10, Add	*1,355.81*	
		For >10 To 25, Add	*788.85*	
		For >25 To 50, Add	*575.61*	
		For >50 To 100, Add	*287.80*	
		For >500 To 1,000, Deduct	*-110.62*	
		For >1,000 To 2,000, Deduct	*-167.31*	
		For >2,000 To 5,000, Deduct	*-273.25*	
		For >5,000, Deduct	*-453.56*	
33 01 30 72-0210	LF	30mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,383.06	
		For Vinlyester Resin, Add	*1,578.23*	
		For Epoxy Resin, Add	*186.01*	
		For Up To >10, Add	*1,512.66*	
		For >10 To 25, Add	*884.78*	
		For >25 To 50, Add	*643.60*	
		For >50 To 100, Add	*321.80*	
		For >500 To 1,000, Deduct	*-122.36*	
		For >1,000 To 2,000, Deduct	*-185.15*	
		For >2,000 To 5,000, Deduct	*-302.67*	
		For >5,000, Deduct	*-502.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0211	LF	30mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,603.56	
		For Vinlyester Resin, Add	*1,724.32*	
		For Epoxy Resin, Add	*203.22*	
		For Up To >10, Add	*1,652.41*	
		For >10 To 25, Add	*966.45*	
		For >25 To 50, Add	*703.04*	
		For >50 To 100, Add	*351.52*	
		For >500 To 1,000, Deduct	*-133.68*	
		For >1,000 To 2,000, Deduct	*-202.28*	
		For >2,000 To 5,000, Deduct	*-330.66*	
		For >5,000, Deduct	*-548.76*	
33 01 30 72-0212	LF	30mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,824.19	
		For Vinlyester Resin, Add	*1,870.41*	
		For Epoxy Resin, Add	*220.44*	
		For Up To >10, Add	*1,792.55*	
		For >10 To 25, Add	*1,048.45*	
		For >25 To 50, Add	*762.67*	
		For >50 To 100, Add	*381.34*	
		For >500 To 1,000, Deduct	*-145.01*	
		For >1,000 To 2,000, Deduct	*-219.42*	
		For >2,000 To 5,000, Deduct	*-358.69*	
		For >5,000, Deduct	*-595.27*	
33 01 30 72-0213	LF	30mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,044.83	
		For Vinlyester Resin, Add	*2,016.50*	
		For Epoxy Resin, Add	*237.66*	
		For Up To >10, Add	*1,932.72*	
		For >10 To 25, Add	*1,130.48*	
		For >25 To 50, Add	*822.32*	
		For >50 To 100, Add	*411.16*	
		For >500 To 1,000, Deduct	*-156.34*	
		For >1,000 To 2,000, Deduct	*-236.57*	
		For >2,000 To 5,000, Deduct	*-386.72*	
		For >5,000, Deduct	*-641.79*	
33 01 30 72-0214	LF	30mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,265.33	
		For Vinlyester Resin, Add	*2,162.59*	
		For Epoxy Resin, Add	*254.88*	
		For Up To >10, Add	*2,072.47*	
		For >10 To 25, Add	*1,212.15*	
		For >25 To 50, Add	*881.76*	
		For >50 To 100, Add	*440.88*	
		For >500 To 1,000, Deduct	*-167.66*	
		For >1,000 To 2,000, Deduct	*-253.70*	
		For >2,000 To 5,000, Deduct	*-414.71*	
		For >5,000, Deduct	*-688.25*	
33 01 30 72-0215	LF	30mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,485.96	
		For Vinlyester Resin, Add	*2,308.68*	
		For Epoxy Resin, Add	*272.09*	
		For Up To >10, Add	*2,212.61*	
		For >10 To 25, Add	*1,294.15*	
		For >25 To 50, Add	*941.40*	
		For >50 To 100, Add	*470.70*	
		For >500 To 1,000, Deduct	*-178.99*	
		For >1,000 To 2,000, Deduct	*-270.84*	
		For >2,000 To 5,000, Deduct	*-442.74*	
		For >5,000, Deduct	*-734.76*	

33 01 30 72-0216 31.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0217	LF	31.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	875.74	
		For Vinlyester Resin, Add	*581.88*	
		For Epoxy Resin, Add	*68.58*	
		For Up To >10, Add	*549.10*	
		For >10 To 25, Add	*319.04*	
		For >25 To 50, Add	*232.99*	
		For >50 To 100, Add	*116.49*	
		For >500 To 1,000, Deduct	*-44.90*	
		For >1,000 To 2,000, Deduct	*-67.91*	
		For >2,000 To 5,000, Deduct	*-110.87*	
		For >5,000, Deduct	*-184.05*	
33 01 30 72-0218	LF	31.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	991.13	
		For Vinlyester Resin, Add	*658.57*	
		For Epoxy Resin, Add	*77.62*	
		For Up To >10, Add	*621.37*	
		For >10 To 25, Add	*361.00*	
		For >25 To 50, Add	*263.64*	
		For >50 To 100, Add	*131.82*	
		For >500 To 1,000, Deduct	*-50.81*	
		For >1,000 To 2,000, Deduct	*-76.85*	
		For >2,000 To 5,000, Deduct	*-125.48*	
		For >5,000, Deduct	*-208.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0219	LF	31.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,106.52	
		For Vinlyester Resin, Add	*735.26*	
		For Epoxy Resin, Add	*86.66*	
		For Up To >10, Add	*693.64*	
		For >10 To 25, Add	*402.97*	
		For >25 To 50, Add	*294.30*	
		For >50 To 100, Add	*147.15*	
		For >500 To 1,000, Deduct	*-56.73*	
		For >1,000 To 2,000, Deduct	*-85.80*	
		For >2,000 To 5,000, Deduct	*-140.08*	
		For >5,000, Deduct	*-232.53*	
33 01 30 72-0220	LF	31.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,337.47	
		For Vinlyester Resin, Add	*888.66*	
		For Epoxy Resin, Add	*104.73*	
		For Up To >10, Add	*838.64*	
		For >10 To 25, Add	*487.28*	
		For >25 To 50, Add	*355.84*	
		For >50 To 100, Add	*177.92*	
		For >500 To 1,000, Deduct	*-68.57*	
		For >1,000 To 2,000, Deduct	*-103.71*	
		For >2,000 To 5,000, Deduct	*-169.33*	
		For >5,000, Deduct	*-281.09*	
33 01 30 72-0221	LF	31.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,568.26	
		For Vinlyester Resin, Add	*1,042.06*	
		For Epoxy Resin, Add	*122.81*	
		For Up To >10, Add	*983.16*	
		For >10 To 25, Add	*571.19*	
		For >25 To 50, Add	*417.15*	
		For >50 To 100, Add	*208.57*	
		For >500 To 1,000, Deduct	*-80.40*	
		For >1,000 To 2,000, Deduct	*-121.60*	
		For >2,000 To 5,000, Deduct	*-198.54*	
		For >5,000, Deduct	*-329.57*	
33 01 30 72-0222	LF	31.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,799.20	
		For Vinlyester Resin, Add	*1,195.45*	
		For Epoxy Resin, Add	*140.89*	
		For Up To >10, Add	*1,128.15*	
		For >10 To 25, Add	*655.50*	
		For >25 To 50, Add	*478.69*	
		For >50 To 100, Add	*239.34*	
		For >500 To 1,000, Deduct	*-92.25*	
		For >1,000 To 2,000, Deduct	*-139.51*	
		For >2,000 To 5,000, Deduct	*-227.79*	
		For >5,000, Deduct	*-378.12*	
33 01 30 72-0223	LF	31.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,030.00	
		For Vinlyester Resin, Add	*1,348.84*	
		For Epoxy Resin, Add	*158.97*	
		For Up To >10, Add	*1,272.73*	
		For >10 To 25, Add	*739.45*	
		For >25 To 50, Add	*540.02*	
		For >50 To 100, Add	*270.01*	
		For >500 To 1,000, Deduct	*-104.08*	
		For >1,000 To 2,000, Deduct	*-157.40*	
		For >2,000 To 5,000, Deduct	*-257.00*	
		For >5,000, Deduct	*-426.62*	
33 01 30 72-0224	LF	31.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,260.79	
		For Vinlyester Resin, Add	*1,502.24*	
		For Epoxy Resin, Add	*177.05*	
		For Up To >10, Add	*1,417.25*	
		For >10 To 25, Add	*823.36*	
		For >25 To 50, Add	*601.32*	
		For >50 To 100, Add	*300.66*	
		For >500 To 1,000, Deduct	*-115.91*	
		For >1,000 To 2,000, Deduct	*-175.30*	
		For >2,000 To 5,000, Deduct	*-286.21*	
		For >5,000, Deduct	*-475.11*	
33 01 30 72-0225	LF	31.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,498.12	
		For Vinlyester Resin, Add	*1,655.63*	
		For Epoxy Resin, Add	*195.13*	
		For Up To >10, Add	*1,581.39*	
		For >10 To 25, Add	*923.62*	
		For >25 To 50, Add	*672.43*	
		For >50 To 100, Add	*336.22*	
		For >500 To 1,000, Deduct	*-128.23*	
		For >1,000 To 2,000, Deduct	*-194.01*	
		For >2,000 To 5,000, Deduct	*-317.06*	
		For >5,000, Deduct	*-526.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0226	LF	31.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,747.37	
		For Vinlyester Resin, Add	*1,821.38*	
		For Epoxy Resin, Add	*214.66*	
		For Up To >10, Add	*1,737.19*	
		For >10 To 25, Add	*1,013.99*	
		For >25 To 50, Add	*738.49*	
		For >50 To 100, Add	*369.25*	
		For >500 To 1,000, Deduct	*-141.00*	
		For >1,000 To 2,000, Deduct	*-213.32*	
		For >2,000 To 5,000, Deduct	*-348.59*	
		For >5,000, Deduct	*-578.55*	
33 01 30 72-0227	LF	31.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,960.92	
		For Vinlyester Resin, Add	*1,962.42*	
		For Epoxy Resin, Add	*231.28*	
		For Up To >10, Add	*1,874.14*	
		For >10 To 25, Add	*1,094.54*	
		For >25 To 50, Add	*796.90*	
		For >50 To 100, Add	*398.45*	
		For >500 To 1,000, Deduct	*-151.98*	
		For >1,000 To 2,000, Deduct	*-229.94*	
		For >2,000 To 5,000, Deduct	*-375.78*	
		For >5,000, Deduct	*-623.68*	
33 01 30 72-0228	LF	31.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,192.41	
		For Vinlyester Resin, Add	*2,115.81*	
		For Epoxy Resin, Add	*249.36*	
		For Up To >10, Add	*2,020.76*	
		For >10 To 25, Add	*1,180.20*	
		For >25 To 50, Add	*859.25*	
		For >50 To 100, Add	*429.62*	
		For >500 To 1,000, Deduct	*-163.87*	
		For >1,000 To 2,000, Deduct	*-247.92*	
		For >2,000 To 5,000, Deduct	*-405.17*	
		For >5,000, Deduct	*-672.45*	
33 01 30 72-0229	LF	31.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,423.74	
		For Vinlyester Resin, Add	*2,269.20*	
		For Epoxy Resin, Add	*267.44*	
		For Up To >10, Add	*2,166.92*	
		For >10 To 25, Add	*1,265.48*	
		For >25 To 50, Add	*921.37*	
		For >50 To 100, Add	*460.69*	
		For >500 To 1,000, Deduct	*-175.74*	
		For >1,000 To 2,000, Deduct	*-265.88*	
		For >2,000 To 5,000, Deduct	*-434.51*	
		For >5,000, Deduct	*-721.15*	
33 01 30 72-0230	LF	31.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,655.22	
		For Vinlyester Resin, Add	*2,422.60*	
		For Epoxy Resin, Add	*285.52*	
		For Up To >10, Add	*2,313.54*	
		For >10 To 25, Add	*1,351.14*	
		For >25 To 50, Add	*983.73*	
		For >50 To 100, Add	*491.86*	
		For >500 To 1,000, Deduct	*-187.62*	
		For >1,000 To 2,000, Deduct	*-283.86*	
		For >2,000 To 5,000, Deduct	*-463.89*	
		For >5,000, Deduct	*-769.92*	

33 01 30 72-0231 33mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0232	LF	33mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	914.41	
		For Vinlyester Resin, Add	*608.00*	
		For Epoxy Resin, Add	*71.66*	
		For Up To >10, Add	*571.81*	
		For >10 To 25, Add	*331.74*	
		For >25 To 50, Add	*242.47*	
		For >50 To 100, Add	*121.24*	
		For >500 To 1,000, Deduct	*-46.87*	
		For >1,000 To 2,000, Deduct	*-70.87*	
		For >2,000 To 5,000, Deduct	*-115.69*	
		For >5,000, Deduct	*-192.05*	
33 01 30 72-0233	LF	33mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,035.30	
		For Vinlyester Resin, Add	*688.35*	
		For Epoxy Resin, Add	*81.13*	
		For Up To >10, Add	*647.53*	
		For >10 To 25, Add	*375.71*	
		For >25 To 50, Add	*274.60*	
		For >50 To 100, Add	*137.30*	
		For >500 To 1,000, Deduct	*-53.06*	
		For >1,000 To 2,000, Deduct	*-80.25*	
		For >2,000 To 5,000, Deduct	*-130.99*	
		For >5,000, Deduct	*-217.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0234	LF	33mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,156.05	
		For Vinlyester Resin, Add	*768.70*	
		For Epoxy Resin, Add	*90.60*	
		For Up To >10, Add	*722.80*	
		For >10 To 25, Add	*419.31*	
		For >25 To 50, Add	*306.49*	
		For >50 To 100, Add	*153.25*	
		For >500 To 1,000, Deduct	*-59.25*	
		For >1,000 To 2,000, Deduct	*-89.60*	
		For >2,000 To 5,000, Deduct	*-146.25*	
		For >5,000, Deduct	*-242.79*	
33 01 30 72-0235	LF	33mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,397.83	
		For Vinlyester Resin, Add	*929.40*	
		For Epoxy Resin, Add	*109.54*	
		For Up To >10, Add	*874.22*	
		For >10 To 25, Add	*507.23*	
		For >25 To 50, Add	*370.72*	
		For >50 To 100, Add	*185.36*	
		For >500 To 1,000, Deduct	*-71.64*	
		For >1,000 To 2,000, Deduct	*-108.34*	
		For >2,000 To 5,000, Deduct	*-176.86*	
		For >5,000, Deduct	*-293.59*	
33 01 30 72-0236	LF	33mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,639.47	
		For Vinlyester Resin, Add	*1,090.09*	
		For Epoxy Resin, Add	*128.47*	
		For Up To >10, Add	*1,025.24*	
		For >10 To 25, Add	*594.82*	
		For >25 To 50, Add	*434.75*	
		For >50 To 100, Add	*217.38*	
		For >500 To 1,000, Deduct	*-84.03*	
		For >1,000 To 2,000, Deduct	*-127.07*	
		For >2,000 To 5,000, Deduct	*-207.42*	
		For >5,000, Deduct	*-344.33*	
33 01 30 72-0237	LF	33mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,881.26	
		For Vinlyester Resin, Add	*1,250.80*	
		For Epoxy Resin, Add	*147.42*	
		For Up To >10, Add	*1,176.66*	
		For >10 To 25, Add	*682.74*	
		For >25 To 50, Add	*498.99*	
		For >50 To 100, Add	*249.49*	
		For >500 To 1,000, Deduct	*-96.42*	
		For >1,000 To 2,000, Deduct	*-145.82*	
		For >2,000 To 5,000, Deduct	*-238.02*	
		For >5,000, Deduct	*-395.13*	
33 01 30 72-0238	LF	33mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,122.89	
		For Vinlyester Resin, Add	*1,411.49*	
		For Epoxy Resin, Add	*166.35*	
		For Up To >10, Add	*1,327.65*	
		For >10 To 25, Add	*770.30*	
		For >25 To 50, Add	*563.00*	
		For >50 To 100, Add	*281.50*	
		For >500 To 1,000, Deduct	*-108.81*	
		For >1,000 To 2,000, Deduct	*-164.54*	
		For >2,000 To 5,000, Deduct	*-268.59*	
		For >5,000, Deduct	*-445.87*	
33 01 30 72-0239	LF	33mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,364.54	
		For Vinlyester Resin, Add	*1,572.19*	
		For Epoxy Resin, Add	*185.29*	
		For Up To >10, Add	*1,478.65*	
		For >10 To 25, Add	*857.87*	
		For >25 To 50, Add	*627.02*	
		For >50 To 100, Add	*313.51*	
		For >500 To 1,000, Deduct	*-121.19*	
		For >1,000 To 2,000, Deduct	*-183.27*	
		For >2,000 To 5,000, Deduct	*-299.16*	
		For >5,000, Deduct	*-496.62*	
33 01 30 72-0240	LF	33mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,612.81	
		For Vinlyester Resin, Add	*1,732.89*	
		For Epoxy Resin, Add	*204.23*	
		For Up To >10, Add	*1,649.56*	
		For >10 To 25, Add	*962.04*	
		For >25 To 50, Add	*701.00*	
		For >50 To 100, Add	*350.50*	
		For >500 To 1,000, Deduct	*-134.07*	
		For >1,000 To 2,000, Deduct	*-202.82*	
		For >2,000 To 5,000, Deduct	*-331.38*	
		For >5,000, Deduct	*-550.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0241	LF	33mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,855.54	
		For Vinlyester Resin, Add	*1,893.58*	
		For Epoxy Resin, Add	*223.17*	
		For Up To >10, Add	*1,803.82*	
		For >10 To 25, Add	*1,052.33*	
		For >25 To 50, Add	*766.65*	
		For >50 To 100, Add	*383.33*	
		For >500 To 1,000, Deduct	*-146.54*	
		For >1,000 To 2,000, Deduct	*-221.69*	
		For >2,000 To 5,000, Deduct	*-362.22*	
		For >5,000, Deduct	*-601.19*	
33 01 30 72-0242	LF	33mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,097.32	
		For Vinlyester Resin, Add	*2,054.28*	
		For Epoxy Resin, Add	*242.11*	
		For Up To >10, Add	*1,955.24*	
		For >10 To 25, Add	*1,140.25*	
		For >25 To 50, Add	*830.88*	
		For >50 To 100, Add	*415.44*	
		For >500 To 1,000, Deduct	*-158.93*	
		For >1,000 To 2,000, Deduct	*-240.43*	
		For >2,000 To 5,000, Deduct	*-392.82*	
		For >5,000, Deduct	*-651.99*	
33 01 30 72-0243	LF	33mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,339.64	
		For Vinlyester Resin, Add	*2,214.98*	
		For Epoxy Resin, Add	*261.05*	
		For Up To >10, Add	*2,108.27*	
		For >10 To 25, Add	*1,229.52*	
		For >25 To 50, Add	*895.92*	
		For >50 To 100, Add	*447.96*	
		For >500 To 1,000, Deduct	*-171.37*	
		For >1,000 To 2,000, Deduct	*-259.24*	
		For >2,000 To 5,000, Deduct	*-423.56*	
		For >5,000, Deduct	*-703.00*	
33 01 30 72-0244	LF	33mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,581.96	
		For Vinlyester Resin, Add	*2,375.68*	
		For Epoxy Resin, Add	*279.99*	
		For Up To >10, Add	*2,261.31*	
		For >10 To 25, Add	*1,318.78*	
		For >25 To 50, Add	*960.96*	
		For >50 To 100, Add	*480.48*	
		For >500 To 1,000, Deduct	*-183.80*	
		For >1,000 To 2,000, Deduct	*-278.05*	
		For >2,000 To 5,000, Deduct	*-454.29*	
		For >5,000, Deduct	*-754.02*	
33 01 30 72-0245	LF	33mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,824.28	
		For Vinlyester Resin, Add	*2,536.38*	
		For Epoxy Resin, Add	*298.93*	
		For Up To >10, Add	*2,414.34*	
		For >10 To 25, Add	*1,408.05*	
		For >25 To 50, Add	*1,026.00*	
		For >50 To 100, Add	*513.00*	
		For >500 To 1,000, Deduct	*-196.24*	
		For >1,000 To 2,000, Deduct	*-296.87*	
		For >2,000 To 5,000, Deduct	*-485.03*	
		For >5,000, Deduct	*-805.03*	

33 01 30 72-0246 34.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0247	LF	34.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,078.86	
		For Vinlyester Resin, Add	*717.98*	
		For Epoxy Resin, Add	*84.62*	
		For Up To >10, Add	*672.36*	
		For >10 To 25, Add	*389.35*	
		For >25 To 50, Add	*284.89*	
		For >50 To 100, Add	*142.45*	
		For >500 To 1,000, Deduct	*-55.27*	
		For >1,000 To 2,000, Deduct	*-83.57*	
		For >2,000 To 5,000, Deduct	*-136.38*	
		For >5,000, Deduct	*-226.41*	
33 01 30 72-0248	LF	34.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,205.10	
		For Vinlyester Resin, Add	*801.98*	
		For Epoxy Resin, Add	*94.52*	
		For Up To >10, Add	*751.08*	
		For >10 To 25, Add	*434.95*	
		For >25 To 50, Add	*318.25*	
		For >50 To 100, Add	*159.13*	
		For >500 To 1,000, Deduct	*-61.74*	
		For >1,000 To 2,000, Deduct	*-93.35*	
		For >2,000 To 5,000, Deduct	*-152.34*	
		For >5,000, Deduct	*-252.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0249	LF	34.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,457.59	
		For Vinlyester Resin, Add	*969.99*	
		For Epoxy Resin, Add	*114.32*	
		For Up To >10, Add	*908.52*	
		For >10 To 25, Add	*526.15*	
		For >25 To 50, Add	*384.98*	
		For >50 To 100, Add	*192.49*	
		For >500 To 1,000, Deduct	*-74.68*	
		For >1,000 To 2,000, Deduct	*-112.91*	
		For >2,000 To 5,000, Deduct	*-184.26*	
		For >5,000, Deduct	*-305.90*	
33 01 30 72-0250	LF	34.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,709.93	
		For Vinlyester Resin, Add	*1,137.99*	
		For Epoxy Resin, Add	*134.12*	
		For Up To >10, Add	*1,065.54*	
		For >10 To 25, Add	*617.00*	
		For >25 To 50, Add	*451.49*	
		For >50 To 100, Add	*225.74*	
		For >500 To 1,000, Deduct	*-87.60*	
		For >1,000 To 2,000, Deduct	*-132.46*	
		For >2,000 To 5,000, Deduct	*-216.14*	
		For >5,000, Deduct	*-358.83*	
33 01 30 72-0251	LF	34.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,962.41	
		For Vinlyester Resin, Add	*1,305.99*	
		For Epoxy Resin, Add	*153.92*	
		For Up To >10, Add	*1,222.98*	
		For >10 To 25, Add	*708.20*	
		For >25 To 50, Add	*518.21*	
		For >50 To 100, Add	*259.10*	
		For >500 To 1,000, Deduct	*-100.54*	
		For >1,000 To 2,000, Deduct	*-152.02*	
		For >2,000 To 5,000, Deduct	*-248.06*	
		For >5,000, Deduct	*-411.82*	
33 01 30 72-0252	LF	34.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,214.76	
		For Vinlyester Resin, Add	*1,474.00*	
		For Epoxy Resin, Add	*173.72*	
		For Up To >10, Add	*1,380.01*	
		For >10 To 25, Add	*799.05*	
		For >25 To 50, Add	*584.72*	
		For >50 To 100, Add	*292.36*	
		For >500 To 1,000, Deduct	*-113.46*	
		For >1,000 To 2,000, Deduct	*-171.56*	
		For >2,000 To 5,000, Deduct	*-279.95*	
		For >5,000, Deduct	*-464.76*	
33 01 30 72-0253	LF	34.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,467.24	
		For Vinlyester Resin, Add	*1,642.00*	
		For Epoxy Resin, Add	*193.52*	
		For Up To >10, Add	*1,537.45*	
		For >10 To 25, Add	*890.25*	
		For >25 To 50, Add	*651.44*	
		For >50 To 100, Add	*325.72*	
		For >500 To 1,000, Deduct	*-126.40*	
		For >1,000 To 2,000, Deduct	*-191.12*	
		For >2,000 To 5,000, Deduct	*-311.87*	
		For >5,000, Deduct	*-517.75*	
33 01 30 72-0254	LF	34.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,726.36	
		For Vinlyester Resin, Add	*1,810.00*	
		For Epoxy Resin, Add	*213.32*	
		For Up To >10, Add	*1,714.81*	
		For >10 To 25, Add	*998.05*	
		For >25 To 50, Add	*728.12*	
		For >50 To 100, Add	*364.06*	
		For >500 To 1,000, Deduct	*-139.83*	
		For >1,000 To 2,000, Deduct	*-211.51*	
		For >2,000 To 5,000, Deduct	*-345.45*	
		For >5,000, Deduct	*-573.40*	
33 01 30 72-0255	LF	34.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,979.66	
		For Vinlyester Resin, Add	*1,978.00*	
		For Epoxy Resin, Add	*233.12*	
		For Up To >10, Add	*1,874.71*	
		For >10 To 25, Add	*1,091.30*	
		For >25 To 50, Add	*796.07*	
		For >50 To 100, Add	*398.03*	
		For >500 To 1,000, Deduct	*-152.83*	
		For >1,000 To 2,000, Deduct	*-231.17*	
		For >2,000 To 5,000, Deduct	*-377.57*	
		For >5,000, Deduct	*-626.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0256	LF	34.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,230.25	
		For Vinlyester Resin, Add	*2,146.00*	
		For Epoxy Resin, Add	*252.92*	
		For Up To >10, Add	*2,026.45*	
		For >10 To 25, Add	*1,177.76*	
		For >25 To 50, Add	*859.94*	
		For >50 To 100, Add	*429.97*	
		For >500 To 1,000, Deduct	*-165.63*	
		For >1,000 To 2,000, Deduct	*-250.50*	
		For >2,000 To 5,000, Deduct	*-409.02*	
		For >5,000, Deduct	*-678.96*	
33 01 30 72-0257	LF	34.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,485.58	
		For Vinlyester Resin, Add	*2,314.01*	
		For Epoxy Resin, Add	*272.72*	
		For Up To >10, Add	*2,192.42*	
		For >10 To 25, Add	*1,276.06*	
		For >25 To 50, Add	*930.92*	
		For >50 To 100, Add	*465.46*	
		For >500 To 1,000, Deduct	*-178.78*	
		For >1,000 To 2,000, Deduct	*-270.41*	
		For >2,000 To 5,000, Deduct	*-441.65*	
		For >5,000, Deduct	*-733.09*	
33 01 30 72-0258	LF	34.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,738.60	
		For Vinlyester Resin, Add	*2,482.01*	
		For Epoxy Resin, Add	*292.52*	
		For Up To >10, Add	*2,351.48*	
		For >10 To 25, Add	*1,368.61*	
		For >25 To 50, Add	*998.45*	
		For >50 To 100, Add	*499.23*	
		For >500 To 1,000, Deduct	*-191.75*	
		For >1,000 To 2,000, Deduct	*-290.04*	
		For >2,000 To 5,000, Deduct	*-473.71*	
		For >5,000, Deduct	*-786.29*	
33 01 30 72-0259	LF	34.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,991.63	
		For Vinlyester Resin, Add	*2,650.01*	
		For Epoxy Resin, Add	*312.32*	
		For Up To >10, Add	*2,510.57*	
		For >10 To 25, Add	*1,461.18*	
		For >25 To 50, Add	*1,066.00*	
		For >50 To 100, Add	*533.00*	
		For >500 To 1,000, Deduct	*-204.73*	
		For >1,000 To 2,000, Deduct	*-309.67*	
		For >2,000 To 5,000, Deduct	*-505.76*	
		For >5,000, Deduct	*-839.51*	

33 01 30 72-0260 36mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0261	LF	36mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,122.21	
		For Vinlyester Resin, Add	*747.47*	
		For Epoxy Resin, Add	*88.10*	
		For Up To >10, Add	*697.08*	
		For >10 To 25, Add	*402.93*	
		For >25 To 50, Add	*295.15*	
		For >50 To 100, Add	*147.57*	
		For >500 To 1,000, Deduct	*-57.47*	
		For >1,000 To 2,000, Deduct	*-86.89*	
		For >2,000 To 5,000, Deduct	*-141.74*	
		For >5,000, Deduct	*-235.32*	
33 01 30 72-0262	LF	36mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,253.79	
		For Vinlyester Resin, Add	*835.12*	
		For Epoxy Resin, Add	*98.42*	
		For Up To >10, Add	*778.80*	
		For >10 To 25, Add	*450.16*	
		For >25 To 50, Add	*329.75*	
		For >50 To 100, Add	*164.87*	
		For >500 To 1,000, Deduct	*-64.21*	
		For >1,000 To 2,000, Deduct	*-97.07*	
		For >2,000 To 5,000, Deduct	*-158.35*	
		For >5,000, Deduct	*-262.91*	
33 01 30 72-0263	LF	36mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,516.99	
		For Vinlyester Resin, Add	*1,010.44*	
		For Epoxy Resin, Add	*119.09*	
		For Up To >10, Add	*942.27*	
		For >10 To 25, Add	*544.65*	
		For >25 To 50, Add	*398.96*	
		For >50 To 100, Add	*199.48*	
		For >500 To 1,000, Deduct	*-77.69*	
		For >1,000 To 2,000, Deduct	*-117.45*	
		For >2,000 To 5,000, Deduct	*-191.60*	
		For >5,000, Deduct	*-318.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0264	LF	36mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,780.19	
		For Vinlyester Resin, Add	*1,185.74*	
		For Epoxy Resin, Add	*139.75*	
		For Up To >10, Add	*1,105.77*	
		For >10 To 25, Add	*639.16*	
		For >25 To 50, Add	*468.19*	
		For >50 To 100, Add	*234.09*	
		For >500 To 1,000, Deduct	*-91.17*	
		For >1,000 To 2,000, Deduct	*-137.83*	
		For >2,000 To 5,000, Deduct	*-224.84*	
		For >5,000, Deduct	*-373.29*	
33 01 30 72-0265	LF	36mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,043.24	
		For Vinlyester Resin, Add	*1,361.05*	
		For Epoxy Resin, Add	*160.41*	
		For Up To >10, Add	*1,268.82*	
		For >10 To 25, Add	*733.29*	
		For >25 To 50, Add	*537.19*	
		For >50 To 100, Add	*268.60*	
		For >500 To 1,000, Deduct	*-104.63*	
		For >1,000 To 2,000, Deduct	*-158.19*	
		For >2,000 To 5,000, Deduct	*-258.04*	
		For >5,000, Deduct	*-428.42*	
33 01 30 72-0266	LF	36mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,306.42	
		For Vinlyester Resin, Add	*1,536.35*	
		For Epoxy Resin, Add	*181.07*	
		For Up To >10, Add	*1,432.29*	
		For >10 To 25, Add	*827.77*	
		For >25 To 50, Add	*606.40*	
		For >50 To 100, Add	*303.20*	
		For >500 To 1,000, Deduct	*-118.11*	
		For >1,000 To 2,000, Deduct	*-178.56*	
		For >2,000 To 5,000, Deduct	*-291.28*	
		For >5,000, Deduct	*-483.61*	
33 01 30 72-0267	LF	36mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,569.61	
		For Vinlyester Resin, Add	*1,711.66*	
		For Epoxy Resin, Add	*201.73*	
		For Up To >10, Add	*1,595.76*	
		For >10 To 25, Add	*922.26*	
		For >25 To 50, Add	*675.62*	
		For >50 To 100, Add	*337.81*	
		For >500 To 1,000, Deduct	*-131.59*	
		For >1,000 To 2,000, Deduct	*-198.94*	
		For >2,000 To 5,000, Deduct	*-324.52*	
		For >5,000, Deduct	*-538.80*	
33 01 30 72-0268	LF	36mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,839.71	
		For Vinlyester Resin, Add	*1,886.97*	
		For Epoxy Resin, Add	*222.39*	
		For Up To >10, Add	*1,779.96*	
		For >10 To 25, Add	*1,034.02*	
		For >25 To 50, Add	*755.19*	
		For >50 To 100, Add	*377.60*	
		For >500 To 1,000, Deduct	*-145.59*	
		For >1,000 To 2,000, Deduct	*-220.18*	
		For >2,000 To 5,000, Deduct	*-359.49*	
		For >5,000, Deduct	*-596.75*	
33 01 30 72-0269	LF	36mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,103.58	
		For Vinlyester Resin, Add	*2,062.28*	
		For Epoxy Resin, Add	*243.05*	
		For Up To >10, Add	*1,945.47*	
		For >10 To 25, Add	*1,130.20*	
		For >25 To 50, Add	*825.43*	
		For >50 To 100, Add	*412.71*	
		For >500 To 1,000, Deduct	*-159.12*	
		For >1,000 To 2,000, Deduct	*-240.64*	
		For >2,000 To 5,000, Deduct	*-392.90*	
		For >5,000, Deduct	*-652.21*	
33 01 30 72-0270	LF	36mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,362.84	
		For Vinlyester Resin, Add	*2,237.59*	
		For Epoxy Resin, Add	*263.72*	
		For Up To >10, Add	*2,097.15*	
		For >10 To 25, Add	*1,214.86*	
		For >25 To 50, Add	*888.75*	
		For >50 To 100, Add	*444.37*	
		For >500 To 1,000, Deduct	*-172.30*	
		For >1,000 To 2,000, Deduct	*-260.53*	
		For >2,000 To 5,000, Deduct	*-425.16*	
		For >5,000, Deduct	*-705.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0271	LF	36mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,631.19	
		For Vinlyester Resin, Add	*2,412.89*	
		For Epoxy Resin, Add	*284.38*	
		For Up To >10, Add	*2,276.10*	
		For >10 To 25, Add	*1,322.25*	
		For >25 To 50, Add	*965.70*	
		For >50 To 100, Add	*482.85*	
		For >500 To 1,000, Deduct	*-186.16*	
		For >1,000 To 2,000, Deduct	*-281.55*	
		For >2,000 To 5,000, Deduct	*-459.69*	
		For >5,000, Deduct	*-763.08*	
33 01 30 72-0272	LF	36mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,895.05	
		For Vinlyester Resin, Add	*2,588.20*	
		For Epoxy Resin, Add	*305.04*	
		For Up To >10, Add	*2,441.58*	
		For >10 To 25, Add	*1,418.41*	
		For >25 To 50, Add	*1,035.92*	
		For >50 To 100, Add	*517.96*	
		For >500 To 1,000, Deduct	*-199.69*	
		For >1,000 To 2,000, Deduct	*-302.01*	
		For >2,000 To 5,000, Deduct	*-493.10*	
		For >5,000, Deduct	*-818.53*	
33 01 30 72-0273	LF	36mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,158.92	
		For Vinlyester Resin, Add	*2,763.51*	
		For Epoxy Resin, Add	*325.70*	
		For Up To >10, Add	*2,607.09*	
		For >10 To 25, Add	*1,514.59*	
		For >25 To 50, Add	*1,106.15*	
		For >50 To 100, Add	*553.07*	
		For >500 To 1,000, Deduct	*-213.22*	
		For >1,000 To 2,000, Deduct	*-322.47*	
		For >2,000 To 5,000, Deduct	*-526.51*	
		For >5,000, Deduct	*-873.99*	
33 01 30 72-0274	LF	36mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,422.66	
		For Vinlyester Resin, Add	*2,938.82*	
		For Epoxy Resin, Add	*346.36*	
		For Up To >10, Add	*2,772.21*	
		For >10 To 25, Add	*1,610.45*	
		For >25 To 50, Add	*1,176.19*	
		For >50 To 100, Add	*588.09*	
		For >500 To 1,000, Deduct	*-226.74*	
		For >1,000 To 2,000, Deduct	*-342.92*	
		For >2,000 To 5,000, Deduct	*-559.88*	
		For >5,000, Deduct	*-929.40*	
33 01 30 72-0275	LF	36mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,686.52	
		For Vinlyester Resin, Add	*3,114.13*	
		For Epoxy Resin, Add	*367.02*	
		For Up To >10, Add	*2,937.69*	
		For >10 To 25, Add	*1,706.61*	
		For >25 To 50, Add	*1,246.41*	
		For >50 To 100, Add	*623.20*	
		For >500 To 1,000, Deduct	*-240.27*	
		For >1,000 To 2,000, Deduct	*-363.38*	
		For >2,000 To 5,000, Deduct	*-593.29*	
		For >5,000, Deduct	*-984.86*	

33 01 30 72-0276 37.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0277	LF	37.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,302.16	
		For Vinlyester Resin, Add	*868.13*	
		For Epoxy Resin, Add	*102.31*	
		For Up To >10, Add	*806.03*	
		For >10 To 25, Add	*465.00*	
		For >25 To 50, Add	*341.01*	
		For >50 To 100, Add	*170.50*	
		For >500 To 1,000, Deduct	*-66.66*	
		For >1,000 To 2,000, Deduct	*-100.76*	
		For >2,000 To 5,000, Deduct	*-164.32*	
		For >5,000, Deduct	*-272.83*	
33 01 30 72-0278	LF	37.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,576.06	
		For Vinlyester Resin, Add	*1,050.74*	
		For Epoxy Resin, Add	*123.84*	
		For Up To >10, Add	*975.56*	
		For >10 To 25, Add	*562.79*	
		For >25 To 50, Add	*412.73*	
		For >50 To 100, Add	*206.36*	
		For >500 To 1,000, Deduct	*-80.68*	
		For >1,000 To 2,000, Deduct	*-121.96*	
		For >2,000 To 5,000, Deduct	*-198.88*	
		For >5,000, Deduct	*-330.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0279	LF	37.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,849.96	
		For Vinlyester Resin, Add	*1,233.35*	
		For Epoxy Resin, Add	*145.36*	
		For Up To >10, Add	*1,145.06*	
		For >10 To 25, Add	*660.56*	
		For >25 To 50, Add	*484.43*	
		For >50 To 100, Add	*242.22*	
		For >500 To 1,000, Deduct	*-94.70*	
		For >1,000 To 2,000, Deduct	*-143.15*	
		For >2,000 To 5,000, Deduct	*-233.44*	
		For >5,000, Deduct	*-387.60*	
33 01 30 72-0280	LF	37.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,123.85	
		For Vinlyester Resin, Add	*1,415.96*	
		For Epoxy Resin, Add	*166.88*	
		For Up To >10, Add	*1,314.55*	
		For >10 To 25, Add	*758.33*	
		For >25 To 50, Add	*556.14*	
		For >50 To 100, Add	*278.07*	
		For >500 To 1,000, Deduct	*-108.72*	
		For >1,000 To 2,000, Deduct	*-164.34*	
		For >2,000 To 5,000, Deduct	*-268.00*	
		For >5,000, Deduct	*-444.98*	
33 01 30 72-0281	LF	37.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,397.75	
		For Vinlyester Resin, Add	*1,598.58*	
		For Epoxy Resin, Add	*188.40*	
		For Up To >10, Add	*1,484.05*	
		For >10 To 25, Add	*856.10*	
		For >25 To 50, Add	*627.84*	
		For >50 To 100, Add	*313.92*	
		For >500 To 1,000, Deduct	*-122.74*	
		For >1,000 To 2,000, Deduct	*-185.53*	
		For >2,000 To 5,000, Deduct	*-302.56*	
		For >5,000, Deduct	*-502.36*	
33 01 30 72-0282	LF	37.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,671.64	
		For Vinlyester Resin, Add	*1,781.19*	
		For Epoxy Resin, Add	*209.93*	
		For Up To >10, Add	*1,653.55*	
		For >10 To 25, Add	*953.86*	
		For >25 To 50, Add	*699.55*	
		For >50 To 100, Add	*349.77*	
		For >500 To 1,000, Deduct	*-136.76*	
		For >1,000 To 2,000, Deduct	*-206.73*	
		For >2,000 To 5,000, Deduct	*-337.12*	
		For >5,000, Deduct	*-559.75*	
33 01 30 72-0283	LF	37.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,952.59	
		For Vinlyester Resin, Add	*1,963.79*	
		For Epoxy Resin, Add	*231.45*	
		For Up To >10, Add	*1,844.22*	
		For >10 To 25, Add	*1,069.28*	
		For >25 To 50, Add	*781.84*	
		For >50 To 100, Add	*390.92*	
		For >500 To 1,000, Deduct	*-151.31*	
		For >1,000 To 2,000, Deduct	*-228.80*	
		For >2,000 To 5,000, Deduct	*-373.44*	
		For >5,000, Deduct	*-619.95*	
33 01 30 72-0284	LF	37.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,227.15	
		For Vinlyester Resin, Add	*2,146.40*	
		For Epoxy Resin, Add	*252.97*	
		For Up To >10, Add	*2,015.73*	
		For >10 To 25, Add	*1,168.72*	
		For >25 To 50, Add	*854.55*	
		For >50 To 100, Add	*427.27*	
		For >500 To 1,000, Deduct	*-165.38*	
		For >1,000 To 2,000, Deduct	*-250.08*	
		For >2,000 To 5,000, Deduct	*-408.17*	
		For >5,000, Deduct	*-677.60*	
33 01 30 72-0285	LF	37.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,499.43	
		For Vinlyester Resin, Add	*2,329.02*	
		For Epoxy Resin, Add	*274.49*	
		For Up To >10, Add	*2,180.37*	
		For >10 To 25, Add	*1,262.44*	
		For >25 To 50, Add	*923.82*	
		For >50 To 100, Add	*461.91*	
		For >500 To 1,000, Deduct	*-179.28*	
		For >1,000 To 2,000, Deduct	*-271.07*	
		For >2,000 To 5,000, Deduct	*-442.33*	
		For >5,000, Deduct	*-734.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0286	LF	37.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,776.31	
		For Vinlyester Resin, Add	*2,511.64*	
		For Epoxy Resin, Add	*296.01*	
		For Up To >10, Add	*2,358.81*	
		For >10 To 25, Add	*1,367.66*	
		For >25 To 50, Add	*1,000.00*	
		For >50 To 100, Add	*500.00*	
		For >500 To 1,000, Deduct	*-193.52*	
		For >1,000 To 2,000, Deduct	*-292.64*	
		For >2,000 To 5,000, Deduct	*-477.63*	
		For >5,000, Deduct	*-792.91*	
33 01 30 72-0287	LF	37.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,050.89	
		For Vinlyester Resin, Add	*2,694.24*	
		For Epoxy Resin, Add	*317.54*	
		For Up To >10, Add	*2,530.37*	
		For >10 To 25, Add	*1,467.16*	
		For >25 To 50, Add	*1,072.74*	
		For >50 To 100, Add	*536.37*	
		For >500 To 1,000, Deduct	*-207.59*	
		For >1,000 To 2,000, Deduct	*-313.92*	
		For >2,000 To 5,000, Deduct	*-512.36*	
		For >5,000, Deduct	*-850.57*	
33 01 30 72-0288	LF	37.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,325.32	
		For Vinlyester Resin, Add	*2,876.85*	
		For Epoxy Resin, Add	*339.06*	
		For Up To >10, Add	*2,701.49*	
		For >10 To 25, Add	*1,566.27*	
		For >25 To 50, Add	*1,145.25*	
		For >50 To 100, Add	*572.63*	
		For >500 To 1,000, Deduct	*-221.65*	
		For >1,000 To 2,000, Deduct	*-335.18*	
		For >2,000 To 5,000, Deduct	*-547.06*	
		For >5,000, Deduct	*-908.17*	
33 01 30 72-0289	LF	37.5mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,599.89	
		For Vinlyester Resin, Add	*3,059.47*	
		For Epoxy Resin, Add	*360.58*	
		For Up To >10, Add	*2,873.00*	
		For >10 To 25, Add	*1,665.72*	
		For >25 To 50, Add	*1,217.96*	
		For >50 To 100, Add	*608.98*	
		For >500 To 1,000, Deduct	*-235.73*	
		For >1,000 To 2,000, Deduct	*-356.45*	
		For >2,000 To 5,000, Deduct	*-581.79*	
		For >5,000, Deduct	*-965.82*	
33 01 30 72-0290	LF	37.5mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,874.46	
		For Vinlyester Resin, Add	*3,242.08*	
		For Epoxy Resin, Add	*382.10*	
		For Up To >10, Add	*3,044.53*	
		For >10 To 25, Add	*1,765.19*	
		For >25 To 50, Add	*1,290.69*	
		For >50 To 100, Add	*645.34*	
		For >500 To 1,000, Deduct	*-249.80*	
		For >1,000 To 2,000, Deduct	*-377.73*	
		For >2,000 To 5,000, Deduct	*-616.51*	
		For >5,000, Deduct	*-1,023.48*	

33 01 30 72-0291 39mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0292	LF	39mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,634.92	
		For Vinlyester Resin, Add	*1,090.89*	
		For Epoxy Resin, Add	*128.57*	
		For Up To >10, Add	*1,008.71*	
		For >10 To 25, Add	*580.86*	
		For >25 To 50, Add	*426.43*	
		For >50 To 100, Add	*213.22*	
		For >500 To 1,000, Deduct	*-83.66*	
		For >1,000 To 2,000, Deduct	*-126.44*	
		For >2,000 To 5,000, Deduct	*-206.14*	
		For >5,000, Deduct	*-342.28*	
33 01 30 72-0293	LF	39mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,919.52	
		For Vinlyester Resin, Add	*1,280.81*	
		For Epoxy Resin, Add	*150.95*	
		For Up To >10, Add	*1,184.24*	
		For >10 To 25, Add	*681.91*	
		For >25 To 50, Add	*500.63*	
		For >50 To 100, Add	*250.32*	
		For >500 To 1,000, Deduct	*-98.22*	
		For >1,000 To 2,000, Deduct	*-148.45*	
		For >2,000 To 5,000, Deduct	*-242.02*	
		For >5,000, Deduct	*-401.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0294	LF	39mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,204.14	
		For Vinlyester Resin, Add	*1,470.74*	
		For Epoxy Resin, Add	*173.34*	
		For Up To >10, Add	*1,359.80*	
		For >10 To 25, Add	*782.99*	
		For >25 To 50, Add	*574.85*	
		For >50 To 100, Add	*287.42*	
		For >500 To 1,000, Deduct	*-112.78*	
		For >1,000 To 2,000, Deduct	*-170.47*	
		For >2,000 To 5,000, Deduct	*-277.90*	
		For >5,000, Deduct	*-461.45*	
33 01 30 72-0295	LF	39mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,488.73	
		For Vinlyester Resin, Add	*1,660.65*	
		For Epoxy Resin, Add	*195.72*	
		For Up To >10, Add	*1,535.32*	
		For >10 To 25, Add	*884.04*	
		For >25 To 50, Add	*649.04*	
		For >50 To 100, Add	*324.52*	
		For >500 To 1,000, Deduct	*-127.35*	
		For >1,000 To 2,000, Deduct	*-192.47*	
		For >2,000 To 5,000, Deduct	*-313.78*	
		For >5,000, Deduct	*-521.02*	
33 01 30 72-0296	LF	39mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,773.46	
		For Vinlyester Resin, Add	*1,850.56*	
		For Epoxy Resin, Add	*218.10*	
		For Up To >10, Add	*1,711.23*	
		For >10 To 25, Add	*985.42*	
		For >25 To 50, Add	*723.43*	
		For >50 To 100, Add	*361.72*	
		For >500 To 1,000, Deduct	*-141.92*	
		For >1,000 To 2,000, Deduct	*-214.50*	
		For >2,000 To 5,000, Deduct	*-349.69*	
		For >5,000, Deduct	*-580.65*	
33 01 30 72-0297	LF	39mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,065.12	
		For Vinlyester Resin, Add	*2,040.48*	
		For Epoxy Resin, Add	*240.49*	
		For Up To >10, Add	*1,907.94*	
		For >10 To 25, Add	*1,104.12*	
		For >25 To 50, Add	*808.22*	
		For >50 To 100, Add	*404.11*	
		For >500 To 1,000, Deduct	*-157.01*	
		For >1,000 To 2,000, Deduct	*-237.39*	
		For >2,000 To 5,000, Deduct	*-387.33*	
		For >5,000, Deduct	*-643.05*	
33 01 30 72-0298	LF	39mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,350.40	
		For Vinlyester Resin, Add	*2,230.40*	
		For Epoxy Resin, Add	*262.87*	
		For Up To >10, Add	*2,085.50*	
		For >10 To 25, Add	*1,206.87*	
		For >25 To 50, Add	*883.44*	
		For >50 To 100, Add	*441.72*	
		For >500 To 1,000, Deduct	*-171.62*	
		For >1,000 To 2,000, Deduct	*-259.49*	
		For >2,000 To 5,000, Deduct	*-423.38*	
		For >5,000, Deduct	*-702.90*	
33 01 30 72-0299	LF	39mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,635.68	
		For Vinlyester Resin, Add	*2,420.31*	
		For Epoxy Resin, Add	*285.25*	
		For Up To >10, Add	*2,263.07*	
		For >10 To 25, Add	*1,309.62*	
		For >25 To 50, Add	*958.65*	
		For >50 To 100, Add	*479.33*	
		For >500 To 1,000, Deduct	*-186.24*	
		For >1,000 To 2,000, Deduct	*-281.58*	
		For >2,000 To 5,000, Deduct	*-459.43*	
		For >5,000, Deduct	*-762.75*	
33 01 30 72-0300	LF	39mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,921.10	
		For Vinlyester Resin, Add	*2,610.23*	
		For Epoxy Resin, Add	*307.63*	
		For Up To >10, Add	*2,441.05*	
		For >10 To 25, Add	*1,412.73*	
		For >25 To 50, Add	*1,034.08*	
		For >50 To 100, Add	*517.04*	
		For >500 To 1,000, Deduct	*-200.86*	
		For >1,000 To 2,000, Deduct	*-303.69*	
		For >2,000 To 5,000, Deduct	*-495.52*	
		For >5,000, Deduct	*-822.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0301	LF	39mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,206.37	
		For Vinlyester Resin, Add	*2,800.15*	
		For Epoxy Resin, Add	*330.02*	
		For Up To >10, Add	*2,618.59*	
		For >10 To 25, Add	*1,515.45*	
		For >25 To 50, Add	*1,109.28*	
		For >50 To 100, Add	*554.64*	
		For >500 To 1,000, Deduct	*-215.47*	
		For >1,000 To 2,000, Deduct	*-325.79*	
		For >2,000 To 5,000, Deduct	*-531.57*	
		For >5,000, Deduct	*-882.51*	
33 01 30 72-0302	LF	39mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,491.66	
		For Vinlyester Resin, Add	*2,990.06*	
		For Epoxy Resin, Add	*352.40*	
		For Up To >10, Add	*2,796.18*	
		For >10 To 25, Add	*1,618.23*	
		For >25 To 50, Add	*1,184.51*	
		For >50 To 100, Add	*592.26*	
		For >500 To 1,000, Deduct	*-230.09*	
		For >1,000 To 2,000, Deduct	*-347.88*	
		For >2,000 To 5,000, Deduct	*-567.62*	
		For >5,000, Deduct	*-942.36*	
33 01 30 72-0303	LF	39mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,776.93	
		For Vinlyester Resin, Add	*3,179.97*	
		For Epoxy Resin, Add	*374.78*	
		For Up To >10, Add	*2,973.74*	
		For >10 To 25, Add	*1,720.98*	
		For >25 To 50, Add	*1,259.73*	
		For >50 To 100, Add	*629.86*	
		For >500 To 1,000, Deduct	*-244.70*	
		For >1,000 To 2,000, Deduct	*-369.98*	
		For >2,000 To 5,000, Deduct	*-603.67*	
		For >5,000, Deduct	*-1,002.21*	
33 01 30 72-0304	LF	39mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	5,062.21	
		For Vinlyester Resin, Add	*3,369.89*	
		For Epoxy Resin, Add	*397.17*	
		For Up To >10, Add	*3,151.31*	
		For >10 To 25, Add	*1,823.73*	
		For >25 To 50, Add	*1,334.95*	
		For >50 To 100, Add	*667.47*	
		For >500 To 1,000, Deduct	*-259.31*	
		For >1,000 To 2,000, Deduct	*-392.07*	
		For >2,000 To 5,000, Deduct	*-639.72*	
		For >5,000, Deduct	*-1,062.06*	
33 01 30 72-0305	LF	39mm Lining 114" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	5,347.49	
		For Vinlyester Resin, Add	*3,559.81*	
		For Epoxy Resin, Add	*419.55*	
		For Up To >10, Add	*3,328.87*	
		For >10 To 25, Add	*1,926.49*	
		For >25 To 50, Add	*1,410.16*	
		For >50 To 100, Add	*705.08*	
		For >500 To 1,000, Deduct	*-273.93*	
		For >1,000 To 2,000, Deduct	*-414.16*	
		For >2,000 To 5,000, Deduct	*-675.77*	
		For >5,000, Deduct	*-1,121.91*	
33 01 30 72-0306	LF	39mm Lining 120" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	5,632.77	
		For Vinlyester Resin, Add	*3,749.73*	
		For Epoxy Resin, Add	*441.93*	
		For Up To >10, Add	*3,506.44*	
		For >10 To 25, Add	*2,029.24*	
		For >25 To 50, Add	*1,485.38*	
		For >50 To 100, Add	*742.69*	
		For >500 To 1,000, Deduct	*-288.54*	
		For >1,000 To 2,000, Deduct	*-436.26*	
		For >2,000 To 5,000, Deduct	*-711.82*	
		For >5,000, Deduct	*-1,181.76*	

33 01 30 72-0307 40.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0308	LF	40.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,988.76	
		For Vinlyester Resin, Add	*1,328.14*	
		For Epoxy Resin, Add	*156.53*	
		For Up To >10, Add	*1,222.93*	
		For >10 To 25, Add	*702.89*	
		For >25 To 50, Add	*516.60*	
		For >50 To 100, Add	*258.30*	
		For >500 To 1,000, Deduct	*-101.72*	
		For >1,000 To 2,000, Deduct	*-153.73*	
		For >2,000 To 5,000, Deduct	*-250.54*	
		For >5,000, Deduct	*-416.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0309	LF	40.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,284.06	
		For Vinlyester Resin, Add	*1,525.36*	
		For Epoxy Resin, Add	*179.77*	
		For Up To >10, Add	*1,404.48*	
		For >10 To 25, Add	*807.22*	
		For >25 To 50, Add	*593.29*	
		For >50 To 100, Add	*296.64*	
		For >500 To 1,000, Deduct	*-116.83*	
		For >1,000 To 2,000, Deduct	*-176.55*	
		For >2,000 To 5,000, Deduct	*-287.73*	
		For >5,000, Deduct	*-477.81*	
33 01 30 72-0310	LF	40.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,579.38	
		For Vinlyester Resin, Add	*1,722.58*	
		For Epoxy Resin, Add	*203.02*	
		For Up To >10, Add	*1,586.07*	
		For >10 To 25, Add	*911.58*	
		For >25 To 50, Add	*669.99*	
		For >50 To 100, Add	*335.00*	
		For >500 To 1,000, Deduct	*-131.93*	
		For >1,000 To 2,000, Deduct	*-199.38*	
		For >2,000 To 5,000, Deduct	*-324.94*	
		For >5,000, Deduct	*-539.59*	
33 01 30 72-0311	LF	40.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,874.68	
		For Vinlyester Resin, Add	*1,919.80*	
		For Epoxy Resin, Add	*226.26*	
		For Up To >10, Add	*1,767.62*	
		For >10 To 25, Add	*1,015.92*	
		For >25 To 50, Add	*746.68*	
		For >50 To 100, Add	*373.34*	
		For >500 To 1,000, Deduct	*-147.04*	
		For >1,000 To 2,000, Deduct	*-222.21*	
		For >2,000 To 5,000, Deduct	*-362.14*	
		For >5,000, Deduct	*-601.36*	
33 01 30 72-0312	LF	40.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,177.31	
		For Vinlyester Resin, Add	*2,117.02*	
		For Epoxy Resin, Add	*249.51*	
		For Up To >10, Add	*1,971.16*	
		For >10 To 25, Add	*1,138.58*	
		For >25 To 50, Add	*834.36*	
		For >50 To 100, Add	*417.18*	
		For >500 To 1,000, Deduct	*-162.69*	
		For >1,000 To 2,000, Deduct	*-245.95*	
		For >2,000 To 5,000, Deduct	*-401.17*	
		For >5,000, Deduct	*-666.06*	
33 01 30 72-0313	LF	40.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,473.29	
		For Vinlyester Resin, Add	*2,314.24*	
		For Epoxy Resin, Add	*272.75*	
		For Up To >10, Add	*2,154.75*	
		For >10 To 25, Add	*1,244.61*	
		For >25 To 50, Add	*912.07*	
		For >50 To 100, Add	*456.04*	
		For >500 To 1,000, Deduct	*-177.85*	
		For >1,000 To 2,000, Deduct	*-268.86*	
		For >2,000 To 5,000, Deduct	*-438.54*	
		For >5,000, Deduct	*-728.11*	
33 01 30 72-0314	LF	40.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,769.28	
		For Vinlyester Resin, Add	*2,511.46*	
		For Epoxy Resin, Add	*295.99*	
		For Up To >10, Add	*2,338.34*	
		For >10 To 25, Add	*1,350.65*	
		For >25 To 50, Add	*989.78*	
		For >50 To 100, Add	*494.89*	
		For >500 To 1,000, Deduct	*-193.00*	
		For >1,000 To 2,000, Deduct	*-291.77*	
		For >2,000 To 5,000, Deduct	*-475.91*	
		For >5,000, Deduct	*-790.15*	
33 01 30 72-0315	LF	40.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,065.26	
		For Vinlyester Resin, Add	*2,708.68*	
		For Epoxy Resin, Add	*319.24*	
		For Up To >10, Add	*2,521.93*	
		For >10 To 25, Add	*1,456.69*	
		For >25 To 50, Add	*1,067.49*	
		For >50 To 100, Add	*533.74*	
		For >500 To 1,000, Deduct	*-208.16*	
		For >1,000 To 2,000, Deduct	*-314.68*	
		For >2,000 To 5,000, Deduct	*-513.27*	
		For >5,000, Deduct	*-852.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0316	LF	40.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,361.26	
		For Vinlyester Resin, Add	*2,905.90*	
		For Epoxy Resin, Add	*342.48*	
		For Up To >10, Add	*2,705.56*	
		For >10 To 25, Add	*1,562.75*	
		For >25 To 50, Add	*1,145.21*	
		For >50 To 100, Add	*572.61*	
		For >500 To 1,000, Deduct	*-223.31*	
		For >1,000 To 2,000, Deduct	*-337.59*	
		For >2,000 To 5,000, Deduct	*-550.65*	
		For >5,000, Deduct	*-914.25*	
33 01 30 72-0317	LF	40.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,657.24	
		For Vinlyester Resin, Add	*3,103.12*	
		For Epoxy Resin, Add	*365.72*	
		For Up To >10, Add	*2,889.15*	
		For >10 To 25, Add	*1,668.78*	
		For >25 To 50, Add	*1,222.92*	
		For >50 To 100, Add	*611.46*	
		For >500 To 1,000, Deduct	*-238.47*	
		For >1,000 To 2,000, Deduct	*-360.50*	
		For >2,000 To 5,000, Deduct	*-588.02*	
		For >5,000, Deduct	*-976.29*	
33 01 30 72-0318	LF	40.5mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,953.22	
		For Vinlyester Resin, Add	*3,300.34*	
		For Epoxy Resin, Add	*388.97*	
		For Up To >10, Add	*3,072.74*	
		For >10 To 25, Add	*1,774.82*	
		For >25 To 50, Add	*1,300.63*	
		For >50 To 100, Add	*650.31*	
		For >500 To 1,000, Deduct	*-253.62*	
		For >1,000 To 2,000, Deduct	*-383.41*	
		For >2,000 To 5,000, Deduct	*-625.38*	
		For >5,000, Deduct	*-1,038.33*	
33 01 30 72-0319	LF	40.5mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	5,249.21	
		For Vinlyester Resin, Add	*3,497.56*	
		For Epoxy Resin, Add	*412.21*	
		For Up To >10, Add	*3,256.33*	
		For >10 To 25, Add	*1,880.86*	
		For >25 To 50, Add	*1,378.34*	
		For >50 To 100, Add	*689.17*	
		For >500 To 1,000, Deduct	*-268.78*	
		For >1,000 To 2,000, Deduct	*-406.33*	
		For >2,000 To 5,000, Deduct	*-662.75*	
		For >5,000, Deduct	*-1,100.38*	
33 01 30 72-0320	LF	40.5mm Lining 114" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	5,545.20	
		For Vinlyester Resin, Add	*3,694.78*	
		For Epoxy Resin, Add	*435.46*	
		For Up To >10, Add	*3,439.95*	
		For >10 To 25, Add	*1,986.92*	
		For >25 To 50, Add	*1,456.06*	
		For >50 To 100, Add	*728.03*	
		For >500 To 1,000, Deduct	*-283.93*	
		For >1,000 To 2,000, Deduct	*-429.24*	
		For >2,000 To 5,000, Deduct	*-700.13*	
		For >5,000, Deduct	*-1,162.43*	
33 01 30 72-0321	LF	40.5mm Lining 120" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	5,841.19	
		For Vinlyester Resin, Add	*3,892.01*	
		For Epoxy Resin, Add	*458.70*	
		For Up To >10, Add	*3,623.55*	
		For >10 To 25, Add	*2,092.95*	
		For >25 To 50, Add	*1,533.77*	
		For >50 To 100, Add	*766.89*	
		For >500 To 1,000, Deduct	*-299.09*	
		For >1,000 To 2,000, Deduct	*-452.15*	
		For >2,000 To 5,000, Deduct	*-737.50*	
		For >5,000, Deduct	*-1,224.47*	

33 01 30 72-0322 42mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0323	LF	42mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,363.65	
		For Vinlyester Resin, Add	*1,579.84*	
		For Epoxy Resin, Add	*186.20*	
		For Up To >10, Add	*1,448.68*	
		For >10 To 25, Add	*831.08*	
		For >25 To 50, Add	*611.49*	
		For >50 To 100, Add	*305.75*	
		For >500 To 1,000, Deduct	*-120.85*	
		For >1,000 To 2,000, Deduct	*-182.61*	
		For >2,000 To 5,000, Deduct	*-297.51*	
		For >5,000, Deduct	*-494.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0324	LF	42mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,669.67	
		For Vinlyester Resin, Add	*1,784.36*	
		For Epoxy Resin, Add	*210.30*	
		For Up To >10, Add	*1,636.29*	
		For >10 To 25, Add	*938.72*	
		For >25 To 50, Add	*690.69*	
		For >50 To 100, Add	*345.34*	
		For >500 To 1,000, Deduct	*-136.50*	
		For >1,000 To 2,000, Deduct	*-206.25*	
		For >2,000 To 5,000, Deduct	*-336.04*	
		For >5,000, Deduct	*-558.05*	
33 01 30 72-0325	LF	42mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,975.68	
		For Vinlyester Resin, Add	*1,988.89*	
		For Epoxy Resin, Add	*234.40*	
		For Up To >10, Add	*1,823.87*	
		For >10 To 25, Add	*1,046.34*	
		For >25 To 50, Add	*769.87*	
		For >50 To 100, Add	*384.93*	
		For >500 To 1,000, Deduct	*-152.14*	
		For >1,000 To 2,000, Deduct	*-229.90*	
		For >2,000 To 5,000, Deduct	*-374.55*	
		For >5,000, Deduct	*-622.02*	
33 01 30 72-0326	LF	42mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,289.15	
		For Vinlyester Resin, Add	*2,193.41*	
		For Epoxy Resin, Add	*258.51*	
		For Up To >10, Add	*2,033.85*	
		For >10 To 25, Add	*1,172.64*	
		For >25 To 50, Add	*860.25*	
		For >50 To 100, Add	*430.13*	
		For >500 To 1,000, Deduct	*-168.35*	
		For >1,000 To 2,000, Deduct	*-254.47*	
		For >2,000 To 5,000, Deduct	*-414.94*	
		For >5,000, Deduct	*-688.97*	
33 01 30 72-0327	LF	42mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,595.86	
		For Vinlyester Resin, Add	*2,397.94*	
		For Epoxy Resin, Add	*282.61*	
		For Up To >10, Add	*2,223.51*	
		For >10 To 25, Add	*1,281.98*	
		For >25 To 50, Add	*940.47*	
		For >50 To 100, Add	*470.24*	
		For >500 To 1,000, Deduct	*-184.05*	
		For >1,000 To 2,000, Deduct	*-278.20*	
		For >2,000 To 5,000, Deduct	*-453.63*	
		For >5,000, Deduct	*-753.22*	
33 01 30 72-0328	LF	42mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,902.54	
		For Vinlyester Resin, Add	*2,602.46*	
		For Epoxy Resin, Add	*306.72*	
		For Up To >10, Add	*2,413.12*	
		For >10 To 25, Add	*1,391.30*	
		For >25 To 50, Add	*1,020.67*	
		For >50 To 100, Add	*510.34*	
		For >500 To 1,000, Deduct	*-199.75*	
		For >1,000 To 2,000, Deduct	*-301.93*	
		For >2,000 To 5,000, Deduct	*-492.32*	
		For >5,000, Deduct	*-817.46*	
33 01 30 72-0329	LF	42mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,209.23	
		For Vinlyester Resin, Add	*2,806.99*	
		For Epoxy Resin, Add	*330.82*	
		For Up To >10, Add	*2,602.74*	
		For >10 To 25, Add	*1,500.62*	
		For >25 To 50, Add	*1,100.87*	
		For >50 To 100, Add	*550.44*	
		For >500 To 1,000, Deduct	*-215.44*	
		For >1,000 To 2,000, Deduct	*-325.65*	
		For >2,000 To 5,000, Deduct	*-531.01*	
		For >5,000, Deduct	*-881.70*	
33 01 30 72-0330	LF	42mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,515.92	
		For Vinlyester Resin, Add	*3,011.51*	
		For Epoxy Resin, Add	*354.93*	
		For Up To >10, Add	*2,792.36*	
		For >10 To 25, Add	*1,609.94*	
		For >25 To 50, Add	*1,181.07*	
		For >50 To 100, Add	*590.54*	
		For >500 To 1,000, Deduct	*-231.14*	
		For >1,000 To 2,000, Deduct	*-349.38*	
		For >2,000 To 5,000, Deduct	*-569.70*	
		For >5,000, Deduct	*-945.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0331	LF	42mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,822.62	
		For Vinlyester Resin, Add	*3,216.04*	
		For Epoxy Resin, Add	*379.03*	
		For Up To >10, Add	*2,982.01*	
		For >10 To 25, Add	*1,719.29*	
		For >25 To 50, Add	*1,261.29*	
		For >50 To 100, Add	*630.64*	
		For >500 To 1,000, Deduct	*-246.84*	
		For >1,000 To 2,000, Deduct	*-373.11*	
		For >2,000 To 5,000, Deduct	*-608.39*	
		For >5,000, Deduct	*-1,010.18*	
33 01 30 72-0332	LF	42mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	5,129.31	
		For Vinlyester Resin, Add	*3,420.56*	
		For Epoxy Resin, Add	*403.14*	
		For Up To >10, Add	*3,171.63*	
		For >10 To 25, Add	*1,828.61*	
		For >25 To 50, Add	*1,341.49*	
		For >50 To 100, Add	*670.74*	
		For >500 To 1,000, Deduct	*-262.54*	
		For >1,000 To 2,000, Deduct	*-396.84*	
		For >2,000 To 5,000, Deduct	*-647.08*	
		For >5,000, Deduct	*-1,074.42*	
33 01 30 72-0333	LF	42mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	5,436.00	
		For Vinlyester Resin, Add	*3,625.09*	
		For Epoxy Resin, Add	*427.24*	
		For Up To >10, Add	*3,361.25*	
		For >10 To 25, Add	*1,937.93*	
		For >25 To 50, Add	*1,421.69*	
		For >50 To 100, Add	*710.85*	
		For >500 To 1,000, Deduct	*-278.23*	
		For >1,000 To 2,000, Deduct	*-420.57*	
		For >2,000 To 5,000, Deduct	*-685.77*	
		For >5,000, Deduct	*-1,138.66*	
33 01 30 72-0334	LF	42mm Lining 114" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	5,742.69	
		For Vinlyester Resin, Add	*3,829.62*	
		For Epoxy Resin, Add	*451.35*	
		For Up To >10, Add	*3,550.87*	
		For >10 To 25, Add	*2,047.25*	
		For >25 To 50, Add	*1,501.89*	
		For >50 To 100, Add	*750.95*	
		For >500 To 1,000, Deduct	*-293.93*	
		For >1,000 To 2,000, Deduct	*-444.29*	
		For >2,000 To 5,000, Deduct	*-724.46*	
		For >5,000, Deduct	*-1,202.90*	
33 01 30 72-0335	LF	42mm Lining 120" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	6,049.39	
		For Vinlyester Resin, Add	*4,034.14*	
		For Epoxy Resin, Add	*475.45*	
		For Up To >10, Add	*3,740.52*	
		For >10 To 25, Add	*2,156.59*	
		For >25 To 50, Add	*1,582.11*	
		For >50 To 100, Add	*791.05*	
		For >500 To 1,000, Deduct	*-309.63*	
		For >1,000 To 2,000, Deduct	*-468.02*	
		For >2,000 To 5,000, Deduct	*-763.15*	
		For >5,000, Deduct	*-1,267.14*	

33 01 30 74 Cured-in-Place Lateral Lining *(33 01 30)*

33 01 30 74-0001 Laterals; Cutting, Grouting And Reinstatement *(33 01 30 74)*

33 01 30 74-0002 Lateral Reinstatement/Reconnection *(33 01 30 74-0001)*

33 01 30 74-0003	EA	Cut Liner For Laterals, Up To 4" (Robotic)	545.51
33 01 30 74-0004	EA	Cut Liner For Laterals, 6" (Robotic)	589.73
33 01 30 74-0005	EA	Cut Liner For Laterals, 8" (Robotic)	626.59
33 01 30 74-0006	EA	Cut Liner For Laterals, 10" (Robotic)	663.45
33 01 30 74-0007	EA	Cut Liner For Laterals, 12" (Robotic)	700.30

33 01 30 74-0008 Grout Lateral Service *(33 01 30 74-0001)*

33 01 30 74-0009 Grout Lateral Service - Bladder *(33 01 30 74-0008)*

33 01 30 74-0010	EA	Grout Up To 4" Lateral Service - Bladder	571.42
33 01 30 74-0011	EA	Grout 6" Lateral Service - Bladder	656.79
33 01 30 74-0012	EA	Grout 8" Lateral Service - Bladder	742.17

33 01 30 74-0013 Grout Lateral Service - Robotic Trowel Application *(33 01 30 74-0008)*

33 01 30 74-0014	EA	Grout 3" To 6" Lateral Service - Robotic Trowel Application	623.40
33 01 30 74-0015	EA	Grout 8" To 12" Lateral Service - Robotic Trowel Application	675.39

33 01 30 74-0016 Lateral T-Liner *(33 01 30 74-0001)*

Note: As manufactured by LMK.

33 01 30 74-0017	EA	Up To 4" Lateral T-Liner	783.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 74-0018	EA	6" Lateral T-Liner	880.48	
33 01 30 74-0019	EA	8" Lateral T-Liner	1,025.03	

33 01 30 74-0020 Lining Lateral Pipe *(33 01 30 74-0001)*

33 01 30 74-0021 Lining Lateral Pipe *(33 01 30 74-0020)*

33 01 30 74-0022	LF	6mm Lining 3" Lateral Pipe With Cured In-Place Pipe (CIPP)	40.59	
		For 7.5mm, Add	*4.56*	
		For 9 mm, Add	*9.02*	
33 01 30 74-0023	LF	6mm Lining 4" Lateral Pipe With Cured In-Place Pipe (CIPP)	48.56	
		For 7.5mm, Add	*6.21*	
		For 9 mm, Add	*12.28*	
33 01 30 74-0024	LF	6mm Lining 6" Lateral Pipe With Cured In-Place Pipe (CIPP)	63.50	
		For 7.5mm, Add	*9.51*	
		For 9 mm, Add	*18.81*	

33 01 30 74-0025 Lining Manhole Drop *(33 01 30 74-0020)*

33 01 30 74-0026	EA	Manhole Drop Section Lining	872.67	

33 01 30 79 Fold-and-Form Pipe Lining *(33 01 30)*

33 01 30 79-0001 Form and Fold Relining Underground Pipelines *(33 01 30 79)*

Note: Excludes CCTV inspection and sewer cleaning. See CSI section 33 01 30 11-0000 for CCTV inspection, 33 01 30 41-0002 for sewer cleaning.

33 01 30 79-0002 Fold-And-Form Relining Underground Pipelines Set-Up And Reinsertion *(33 01 30 79-0001)*

33 01 30 79-0003	EA	Initial Set Up And Final Equipment Removal For Fold-And-Form Relining Underground Pipelines	5,425.46	
33 01 30 79-0004	EA	Move And Reset Up At Different Access/Location For Fold-And-Form Relining Underground Pipelines	2,170.19	

33 01 30 79-0005 Form And Fold Polyethylene (PE) Pipeliner *(33 01 30 79-0001)*

33 01 30 79-0006	LF	4" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	42.65	
		For DR 26 Pipe Liner, Add	*7.76*	
		For Up To 75, Add	*23.65*	
		For > 75 To 150, Add	*11.82*	
		For Up To 75, Add	*23.65*	
		For >75 To 150, Add	*11.82*	
		For >500 To 1,000, Deduct	*-0.87*	
		For >1,000 To 2,000, Deduct	*-1.74*	
		For >2,000, Deduct	*-3.49*	
33 01 30 79-0007	LF	6" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	54.67	
		For DR 26 Pipe Liner, Add	*10.54*	
		For DR 35 Pipe Liner, Deduct	*-5.27*	
		For Up To 75, Add	*27.21*	
		For > 75 To 150, Add	*13.61*	
		For Up To 75, Add	*27.21*	
		For >75 To 150, Add	*13.61*	
		For >500 To 1,000, Deduct	*-0.94*	
		For >1,000 To 2,000, Deduct	*-1.88*	
		For >2,000, Deduct	*-3.76*	
33 01 30 79-0008	LF	8" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	56.49	
		For DR 26 Pipe Liner, Add	*10.73*	
		For DR 35 Pipe Liner, Deduct	*-5.37*	
		For Up To 75, Add	*28.93*	
		For > 75 To 150, Add	*14.46*	
		For Up To 75, Add	*28.93*	
		For >75 To 150, Add	*14.46*	
		For >500 To 1,000, Deduct	*-1.02*	
		For >1,000 To 2,000, Deduct	*-2.03*	
		For >2,000, Deduct	*-4.07*	
33 01 30 79-0009	LF	10" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	79.19	
		For DR 26 Pipe Liner, Add	*16.10*	
		For DR 35 Pipe Liner, Deduct	*-8.05*	
		For DR 41 Pipe Liner, Deduct	*-16.10*	
		For Up To 75, Add	*35.08*	
		For > 75 To 150, Add	*17.54*	
		For Up To 75, Add	*35.08*	
		For >75 To 150, Add	*17.54*	
		For >500 To 1,000, Deduct	*-1.11*	
		For >1,000 To 2,000, Deduct	*-2.22*	
		For >2,000, Deduct	*-4.44*	
33 01 30 79-0010	LF	12" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	110.52	
		For DR 26 Pipe Liner, Add	*23.56*	
		For DR 35 Pipe Liner, Deduct	*-11.78*	
		For DR 41 Pipe Liner, Deduct	*-23.56*	
		For Up To 75, Add	*43.27*	
		For > 75 To 150, Add	*21.63*	
		For Up To 75, Add	*43.27*	
		For >75 To 150, Add	*21.63*	
		For >500 To 1,000, Deduct	*-1.22*	
		For >1,000 To 2,000, Deduct	*-2.44*	
		For >2,000, Deduct	*-4.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0011	LF	15" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	151.18	
		For DR 35 Pipe Liner, Deduct	*-16.59*	
		For DR 41 Pipe Liner, Deduct	*-33.17*	
		For Up To 75, Add	*54.29*	
		For > 75 To 150, Add	*27.14*	
		For Up To 75, Add	*54.29*	
		For >75 To 150, Add	*27.14*	
		For >500 To 1,000, Deduct	*-1.39*	
		For >1,000 To 2,000, Deduct	*-2.78*	
		For >2,000, Deduct	*-5.55*	
33 01 30 79-0012	LF	18" Diameter Form and Fold Polyethylene Pipeliner, DR 35	213.25	
		For DR 41 Pipe Liner, Deduct	*-19.24*	
		For DR 50 Pipe Liner, Deduct	*-38.48*	
		For Up To 75, Add	*69.77*	
		For > 75 To 150, Add	*34.88*	
		For Up To 75, Add	*69.77*	
		For >75 To 150, Add	*34.88*	
		For >500 To 1,000, Deduct	*-1.56*	
		For >1,000 To 2,000, Deduct	*-3.13*	
		For >2,000, Deduct	*-6.26*	
33 01 30 79-0013	LF	21" Diameter Form and Fold Polyethylene Pipeliner, DR 47	241.15	
		For DR 50 Pipe Liner, Deduct	*-32.78*	
		For DR 55 Pipe Liner, Deduct	*-54.64*	
		For Up To 75, Add	*77.62*	
		For > 75 To 150, Add	*38.81*	
		For Up To 75, Add	*77.62*	
		For >75 To 150, Add	*38.81*	
		For >500 To 1,000, Deduct	*-1.70*	
		For >1,000 To 2,000, Deduct	*-3.39*	
		For >2,000, Deduct	*-6.78*	
33 01 30 79-0014	LF	24" Diameter Form and Fold Polyethylene Pipeliner, DR 55	293.94	
		For DR 60 Pipe Liner, Deduct	*-40.39*	
		For Up To 75, Add	*90.86*	
		For > 75 To 150, Add	*45.43*	
		For Up To 75, Add	*90.86*	
		For >75 To 150, Add	*45.43*	
		For >500 To 1,000, Deduct	*-1.85*	
		For >1,000 To 2,000, Deduct	*-3.70*	
		For >2,000, Deduct	*-7.40*	

33 01 30 79-0015 Form And Fold Polyvinyl Chloride (PVC) Pipeliner *(33 01 30 79-0001)*

33 01 30 79-0016	LF	4" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	45.58	
		For Up To 75, Add	*24.24*	
		For > 75 To 150, Add	*12.12*	
		For Up To 75, Add	*24.24*	
		For >75 To 150, Add	*12.12*	
		For >500 To 1,000, Deduct	*-0.87*	
		For >1,000 To 2,000, Deduct	*-1.74*	
		For >2,000, Deduct	*-3.49*	
		For DR 26 Pipe Liner, Add	*8.49*	
33 01 30 79-0017	LF	6" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	54.67	
		For Up To 75, Add	*27.21*	
		For > 75 To 150, Add	*13.61*	
		For Up To 75, Add	*27.21*	
		For >75 To 150, Add	*13.61*	
		For >500 To 1,000, Deduct	*-0.94*	
		For >1,000 To 2,000, Deduct	*-1.88*	
		For >2,000, Deduct	*-3.76*	
		For DR 26 Pipe Liner, Add	*10.54*	
		For DR 35 Pipe Liner, Deduct	*-5.27*	
33 01 30 79-0018	LF	8" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	60.39	
		For Up To 75, Add	*29.71*	
		For > 75 To 150, Add	*14.85*	
		For Up To 75, Add	*29.71*	
		For >75 To 150, Add	*14.85*	
		For >500 To 1,000, Deduct	*-1.02*	
		For >1,000 To 2,000, Deduct	*-2.03*	
		For >2,000, Deduct	*-4.07*	
		For DR 26 Pipe Liner, Add	*11.71*	
		For DR 35 Pipe Liner, Deduct	*-5.85*	
33 01 30 79-0019	LF	10" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	85.04	
		For Up To 75, Add	*36.25*	
		For > 75 To 150, Add	*18.12*	
		For Up To 75, Add	*36.25*	
		For >75 To 150, Add	*18.12*	
		For >500 To 1,000, Deduct	*-1.11*	
		For >1,000 To 2,000, Deduct	*-2.22*	
		For >2,000, Deduct	*-4.44*	
		For DR 26 Pipe Liner, Add	*17.56*	
		For DR 35 Pipe Liner, Deduct	*-8.78*	
		For DR 41 Pipe Liner, Deduct	*-17.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0020	LF	12" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	119.31	
		For Up To 75, Add	*45.03*	
		For > 75 To 150, Add	*22.51*	
		For Up To 75, Add	*45.03*	
		For >75 To 150, Add	*22.51*	
		For >500 To 1,000, Deduct	*-1.22*	
		For >1,000 To 2,000, Deduct	*-2.44*	
		For >2,000, Deduct	*-4.88*	
		For DR 26 Pipe Liner, Add	*25.76*	
		For DR 35 Pipe Liner, Deduct	*-12.88*	
		For DR 41 Pipe Liner, Deduct	*-25.76*	
33 01 30 79-0021	LF	15" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	163.67	
		For Up To 75, Add	*56.78*	
		For > 75 To 150, Add	*28.39*	
		For Up To 75, Add	*56.78*	
		For >75 To 150, Add	*28.39*	
		For >500 To 1,000, Deduct	*-1.39*	
		For >1,000 To 2,000, Deduct	*-2.78*	
		For >2,000, Deduct	*-5.55*	
		For DR 35 Pipe Liner, Deduct	*-18.15*	
		For DR 41 Pipe Liner, Deduct	*-36.29*	
33 01 30 79-0022	LF	18" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 35	231.59	
		For Up To 75, Add	*73.44*	
		For > 75 To 150, Add	*36.72*	
		For Up To 75, Add	*73.44*	
		For >75 To 150, Add	*36.72*	
		For >500 To 1,000, Deduct	*-1.56*	
		For >1,000 To 2,000, Deduct	*-3.13*	
		For >2,000, Deduct	*-6.26*	
		For DR 41 Pipe Liner, Deduct	*-21.07*	
		For DR 50 Pipe Liner, Deduct	*-42.15*	
33 01 30 79-0023	LF	21" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 47	261.44	
		For Up To 75, Add	*81.68*	
		For > 75 To 150, Add	*40.84*	
		For Up To 75, Add	*81.68*	
		For >75 To 150, Add	*40.84*	
		For >500 To 1,000, Deduct	*-1.70*	
		For >1,000 To 2,000, Deduct	*-3.39*	
		For >2,000, Deduct	*-6.78*	
		For DR 50 Pipe Liner, Deduct	*-35.82*	
		For DR 55 Pipe Liner, Deduct	*-59.71*	
33 01 30 79-0024	LF	24" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 55	319.70	
		For Up To 75, Add	*96.01*	
		For > 75 To 150, Add	*48.01*	
		For Up To 75, Add	*96.01*	
		For >75 To 150, Add	*48.01*	
		For >500 To 1,000, Deduct	*-1.85*	
		For >1,000 To 2,000, Deduct	*-3.70*	
		For >2,000, Deduct	*-7.40*	
		For DR 60 Pipe Liner, Deduct	*-44.25*	

33 01 30 81 Manhole Rehabilitation *(33 01 30)*

33 01 30 81-0001 Restoration And Rehabilitation Of Manholes *(33 01 30 81)*

Note: Work is in confined spaces.

33 01 30 81-0002 Inspection And Ventilation System Set-up *(33 01 30 81-0001)*

33 01 30 81-0003	EA	Inspect Manhole	188.71
33 01 30 81-0004	EA	36" to 60" Diameter, Up To 2600', Installation And Maintenance Of Ventilation System Note: For internal inspection and repair of water mains.	15,486.34
33 01 30 81-0005	EA	>60" to 108" Diameter, Up To 2600', Installation And Maintenance Of Ventilation System Note: For internal inspection and repair of water mains	21,935.58

33 01 30 81-0006 Manhole Seals *(33 01 30 81-0001)*

33 01 30 81-0007 Internal Manhole Chimney Seals *(33 01 30 81-0006)*

Note: Cretex.

33 01 30 81-0008	EA	20" Internal Manhole Chimney Seal	583.24
33 01 30 81-0009	EA	22" Internal Manhole Chimney Seal	614.76
33 01 30 81-0010	EA	24" Internal Manhole Chimney Seal	630.53
33 01 30 81-0011	EA	26" Internal Manhole Chimney Seal	725.10
33 01 30 81-0012	EA	28" Internal Manhole Chimney Seal	819.69
33 01 30 81-0013	EA	30" Internal Manhole Chimney Seal	914.27
33 01 30 81-0014	EA	36" Internal Manhole Chimney Seal	1,103.42

33 01 30 81-0015 External Manhole Encapsulation *(33 01 30 81-0006)*

Note: Wrapidseal.

33 01 30 81-0016	EA	24" External Manhole Encapsulation	851.21
33 01 30 81-0017	EA	30" External Manhole Encapsulation	898.50
33 01 30 81-0018	EA	36" External Manhole Encapsulation	961.56
33 01 30 81-0019	EA	42" External Manhole Encapsulation	1,040.37
33 01 30 81-0020	EA	48" External Manhole Encapsulation	1,150.72
33 01 30 81-0021	EA	54" External Manhole Encapsulation	1,276.81

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 81-0022	EA	60" External Manhole Encapsulation	1,434.45	
33 01 30 81-0023		**Manhole Crack Repair** *(33 01 30 81-0001)*		
		Note: Includes removing loose materials and cleaning.		
33 01 30 81-0024	LF	Up To 1/4" Wide, Epoxy Grout Injection, Manhole Crack Repair	60.60	
33 01 30 81-0025	LF	>1/4" To 1/2" Wide, Epoxy Grout Injection, Manhole Crack Repair	81.60	
33 01 30 81-0026	LF	Up To 1/4" Wide, Urethane Grout Injection, Manhole Crack Repair	57.77	
33 01 30 81-0027	LF	>1/4" To 1/2" Wide, Urethane Grout Injection, Manhole Crack Repair	78.33	
33 01 30 81-0028		**Manhole Patching** *(33 01 30 81-0001)*		
		Note: Includes removing loose materials and cleaning.		
33 01 30 81-0029	SF	Up To 1/4" Thick, Cementitious Grout, Manhole Patching	18.10	
33 01 30 81-0030	SF	Up To 1/4" Thick, Epoxy Grout, Manhole Patching	41.67	
33 01 30 81-0031		**Manhole Joint Restoration** *(33 01 30 81-0001)*		
		Note: Includes drilling holes at joints, fill joints with grout.		
33 01 30 81-0032	EA	3' Diameter Joint Restoration, Grout Fill Per Each Manhole	2,472.01	
		Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
		For Grouting Each Additional Manhole Joint Section, Add	*237.67*	
33 01 30 81-0033	EA	3-1/2' Diameter Joint Restoration, Grout Fill Per Each Manhole	2,885.76	
		Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
		For Grouting Each Additional Manhole Joint Section, Add	*264.78*	
33 01 30 81-0034	EA	4' Diameter Joint Restoration, Grout Fill Per Each Manhole	3,296.00	
		Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
		For Grouting Each Additional Manhole Joint Section, Add	*291.89*	
33 01 30 81-0035	EA	5' Diameter Joint Restoration, Grout Fill Per Each Manhole	3,918.43	
		Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
		For Grouting Each Additional Manhole Joint Section, Add	*305.45*	
33 01 30 81-0036	EA	6' Diameter Joint Restoration, Grout Fill Per Each Manhole	4,539.09	
		Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
		For Grouting Each Additional Manhole Joint Section, Add	*319.01*	
33 01 30 81-0037		**Step Installation In Existing Manholes** *(33 01 30 81-0001)*		
		Note: Including drilling in existing concrete manhole, step and grout. Demolition cost includes removal of old step and patching holes.		
33 01 30 81-0038	EA	Drill And Grout 8" x 9" Cast Iron Manhole Steps	146.19	25.43
33 01 30 81-0039	EA	Drill And Grout Galvanized Steel Manhole Step	126.62	25.43
33 01 30 81-0040	EA	Bolt On Galvanized Steel Manhole Step	133.88	25.43
33 01 30 81-0041	EA	Drill And Grout Aluminum Manhole Step	156.21	25.43
33 01 30 81-0042	EA	Drill And Insert Polypropylene Manhole Step	76.87	20.35
33 01 30 81-0043		**Invert Restoration** *(33 01 30 81-0001)*		
		Note: Includes removal of existing defective material and installation of new material.		
33 01 30 81-0044		**Concrete Invert Restoration** *(33 01 30 81-0043)*		
33 01 30 81-0045	EA	2' Diameter, Concrete Invert Restoration	375.63	
33 01 30 81-0046	EA	3' Diameter, Concrete Invert Restoration	422.81	
33 01 30 81-0047	EA	4' Diameter, Concrete Invert Restoration	469.99	
33 01 30 81-0048	EA	5' Diameter, Concrete Invert Restoration	517.16	
33 01 30 81-0049	EA	6' Diameter, Concrete Invert Restoration	658.70	
33 01 30 81-0050	SF	Square Or Rectangular, Concrete Invert Restoration	37.38	
33 01 30 81-0051		**Brick Invert Restoration** *(33 01 30 81-0043)*		
33 01 30 81-0052	EA	2' Diameter, Brick Invert Restoration	605.80	
33 01 30 81-0053	EA	3' Diameter, Brick Invert Restoration	652.98	
33 01 30 81-0054	EA	4' Diameter, Brick Invert Restoration	700.16	
33 01 30 81-0055	EA	5' Diameter, Brick Invert Restoration	747.34	
33 01 30 81-0056	EA	6' Diameter, Brick Invert Restoration	794.52	
33 01 30 81-0057	SF	Square Or Rectangular, Brick Invert Restoration	52.40	
33 01 30 81-0058		**Repair In-Kind Of Drainage Structures** *(33 01 30 81)*		
		Note: For brick, concrete or concrete block catch basins, inlets, manholes, and other drainage structures. Includes replacing bricks or concrete blocks, concrete repair, sealing and repairing joints, excavation, backfilling, pavement removal, restoration of pavement and all tasks to perform interior and/or exterior repair in-kind. Sizes are inside dimensions. For other sizes, use closest size.		
33 01 30 81-0059	VLF	2' Diameter, Repair In-Kind Drainage Structure	853.50	
33 01 30 81-0060	VLF	3' Diameter, Repair In-Kind Drainage Structure	1,280.25	
33 01 30 81-0061	VLF	4' Diameter, Repair In-Kind Drainage Structure	1,707.12	
33 01 30 81-0062	VLF	5' Diameter, Repair In-Kind Drainage Structure	2,133.75	
33 01 30 81-0063	VLF	6' Diameter, Repair In-Kind Drainage Structure	2,560.51	
33 01 30 81-0064	VLF	2' x 2', Repair In-Kind Drainage Structure	1,087.26	
33 01 30 81-0065	VLF	2' x 3', Repair In-Kind Drainage Structure	1,359.08	
33 01 30 81-0066	VLF	2' x 4', Repair In-Kind Drainage Structure	1,630.90	
33 01 30 81-0067	VLF	3' x 4', Repair In-Kind Drainage Structure	1,902.71	
33 01 30 81-0068	VLF	4' x 4', Repair In-Kind Drainage Structure	2,174.53	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 81-0069	VLF	4' x 5', Repair In-Kind Drainage Structure	2,446.35	
33 01 30 81-0070	VLF	4' x 6', Repair In-Kind Drainage Structure	2,718.16	
33 01 30 81-0071	VLF	4' x 8', Repair In-Kind Drainage Structure	3,261.79	
33 01 30 81-0072	VLF	>32 GSF, Repair In-Kind Drainage Structure	3,805.43	

33 01 30 82 Epoxy Lining for Concrete Manholes *(33 01 30)*

33 01 30 82-0001 Epoxy Manhole Restoration, Interior *(33 01 30 82)*

33 01 30 82-0002	VLF	60 Mil Epoxy Restoration Of 3' Diameter Manhole Interior	368.26
		For 80 Mil Material, Add	*43.96*
		For 100 Mil Material, Add	*87.92*
		For 125 Mil Material, Add	*137.16*
		For 150 Mil Material, Add	*186.39*
		For 200 Mil Material, Add	*269.61*
		For 2 To 5 Manholes, Deduct	*-26.04*
		For 6 To 10 Manholes, Deduct	*-42.87*
		For >10 Manholes, Deduct	*-85.74*
33 01 30 82-0003	VLF	60 Mil Epoxy Restoration Of 3-1/2' Diameter Manhole Interior	446.66
		For 80 Mil Material, Add	*52.58*
		For 100 Mil Material, Add	*105.16*
		For 125 Mil Material, Add	*163.90*
		For 150 Mil Material, Add	*222.64*
		For 200 Mil Material, Add	*321.48*
		For 2 To 5 Manholes, Deduct	*-31.65*
		For 6 To 10 Manholes, Deduct	*-52.14*
		For >10 Manholes, Deduct	*-104.28*
33 01 30 82-0004	VLF	60 Mil Epoxy Restoration Of 4' Diameter Manhole Interior	491.01
		For 80 Mil Material, Add	*58.61*
		For 100 Mil Material, Add	*117.23*
		For 125 Mil Material, Add	*182.87*
		For 150 Mil Material, Add	*248.51*
		For 200 Mil Material, Add	*359.46*
		For 2 To 5 Manholes, Deduct	*-34.72*
		For 6 To 10 Manholes, Deduct	*-57.16*
		For >10 Manholes, Deduct	*-114.32*
33 01 30 82-0005	VLF	60 Mil Epoxy Restoration Of 5' Diameter Manhole Interior	613.84
		For 80 Mil Material, Add	*73.29*
		For 100 Mil Material, Add	*146.58*
		For 125 Mil Material, Add	*228.67*
		For 150 Mil Material, Add	*310.75*
		For 200 Mil Material, Add	*449.50*
		For 2 To 5 Manholes, Deduct	*-43.40*
		For 6 To 10 Manholes, Deduct	*-71.46*
		For >10 Manholes, Deduct	*-142.91*
33 01 30 82-0006	VLF	60 Mil Epoxy Restoration Of 6' Diameter Manhole Interior	736.59
		For 80 Mil Material, Add	*87.94*
		For 100 Mil Material, Add	*175.89*
		For 125 Mil Material, Add	*274.38*
		For 150 Mil Material, Add	*372.87*
		For 200 Mil Material, Add	*539.36*
		For 2 To 5 Manholes, Deduct	*-52.08*
		For 6 To 10 Manholes, Deduct	*-85.74*
		For >10 Manholes, Deduct	*-171.49*

33 01 30 83 Lining for Concrete Manholes *(33 01 30)*

33 01 30 83-0001 Manhole Lining *(33 01 30 83)*

Note: Includes power washing and cleaning of manhole interiors.

33 01 30 83-0002 Cementitious Manhole Restoration, Interior *(33 01 30 83-0001)*

33 01 30 83-0003	VLF	1/2" Cementitious Restoration On 3' Diameter Manhole Interior	156.94
		For Each Additional 1/2" Thick Material, Add	*38.22*
		For 2 To 5 Manholes, Deduct	*-11.07*
		For 6 To 10 Manholes, Deduct	*-18.21*
		For >10 Manholes, Deduct	*-36.42*
33 01 30 83-0004	VLF	1/2" Cementitious Restoration On 3-1/2' Diameter Manhole Interior	181.96
		For Each Additional 1/2" Thick Material, Add	*44.48*
		For 2 To 5 Manholes, Deduct	*-12.83*
		For 6 To 10 Manholes, Deduct	*-21.10*
		For >10 Manholes, Deduct	*-42.21*
33 01 30 83-0005	VLF	1/2" Cementitious Restoration On 4' Diameter Manhole Interior	206.98
		For Each Additional 1/2" Thick Material, Add	*50.73*
		For 2 To 5 Manholes, Deduct	*-14.59*
		For 6 To 10 Manholes, Deduct	*-24.00*
		For >10 Manholes, Deduct	*-47.99*
33 01 30 83-0006	VLF	1/2" Cementitious Restoration On 5' Diameter Manhole Interior	243.71
		For Each Additional 1/2" Thick Material, Add	*62.09*
		For 2 To 5 Manholes, Deduct	*-17.10*
		For 6 To 10 Manholes, Deduct	*-28.11*
		For >10 Manholes, Deduct	*-56.21*
33 01 30 83-0007	VLF	1/2" Cementitious Restoration On 6' Diameter Manhole Interior	266.43
		For Each Additional 1/2" Thick Material, Add	*71.70*
		For 2 To 5 Manholes, Deduct	*-18.57*
		For 6 To 10 Manholes, Deduct	*-30.49*
		For >10 Manholes, Deduct	*-60.98*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 83-0008		**Polyurethane Manhole Restoration, Interior** *(33 01 30 83-0001)*		
33 01 30 83-0009	VLF	60 Mil Polyurethane Restoration Of 3' Diameter Manhole Interior	327.09	
		For 80 Mil Material, Add	*30.24*	
		For 100 Mil Material, Add	*60.48*	
		For 125 Mil Material, Add	*92.56*	
		For 150 Mil Material, Add	*124.64*	
		For 200 Mil Material, Add	*173.54*	
		For 2 To 5 Manholes, Deduct	*-23.98*	
		For 6 To 10 Manholes, Deduct	*-39.78*	
		For >10 Manholes, Deduct	*-79.56*	
33 01 30 83-0010	VLF	60 Mil Polyurethane Restoration Of 3-1/2' Diameter Manhole Interior	398.56	
		For 80 Mil Material, Add	*36.55*	
		For 100 Mil Material, Add	*73.10*	
		For 125 Mil Material, Add	*111.80*	
		For 150 Mil Material, Add	*150.49*	
		For 200 Mil Material, Add	*209.25*	
		For 2 To 5 Manholes, Deduct	*-29.25*	
		For 6 To 10 Manholes, Deduct	*-48.53*	
		For >10 Manholes, Deduct	*-97.06*	
33 01 30 83-0011	VLF	60 Mil Polyurethane Restoration Of 4' Diameter Manhole Interior	436.12	
		For 80 Mil Material, Add	*40.32*	
		For 100 Mil Material, Add	*80.63*	
		For 125 Mil Material, Add	*123.40*	
		For 150 Mil Material, Add	*166.18*	
		For 200 Mil Material, Add	*231.38*	
		For 2 To 5 Manholes, Deduct	*-31.97*	
		For 6 To 10 Manholes, Deduct	*-53.04*	
		For >10 Manholes, Deduct	*-106.09*	
33 01 30 83-0012	VLF	60 Mil Polyurethane Restoration Of 5' Diameter Manhole Interior	545.15	
		For 80 Mil Material, Add	*50.40*	
		For 100 Mil Material, Add	*100.79*	
		For 125 Mil Material, Add	*154.25*	
		For 150 Mil Material, Add	*207.72*	
		For 200 Mil Material, Add	*289.23*	
		For 2 To 5 Manholes, Deduct	*-39.97*	
		For 6 To 10 Manholes, Deduct	*-66.30*	
		For >10 Manholes, Deduct	*-132.61*	
33 01 30 83-0013	VLF	60 Mil Polyurethane Restoration Of 6' Diameter Manhole Interior	654.18	
		For 80 Mil Material, Add	*60.47*	
		For 100 Mil Material, Add	*120.95*	
		For 125 Mil Material, Add	*185.10*	
		For 150 Mil Material, Add	*249.26*	
		For 200 Mil Material, Add	*347.07*	
		For 2 To 5 Manholes, Deduct	*-47.96*	
		For 6 To 10 Manholes, Deduct	*-79.56*	
		For >10 Manholes, Deduct	*-159.13*	
33 01 30 83-0014		**Multiplexx™ PVCP Cured-In-Place (CIP) Lining Manhole Restoration, Interior** *(33 01 30 83-0001)*		
33 01 30 83-0015	VLF	3' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	579.68	
		For 2 To 5 Manholes, Deduct	*-33.56*	
		For 6 To 10 Manholes, Deduct	*-52.63*	
		For >10 Manholes, Deduct	*-105.26*	
33 01 30 83-0016	VLF	3-1/2' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	709.92	
		For 2 To 5 Manholes, Deduct	*-41.09*	
		For 6 To 10 Manholes, Deduct	*-64.43*	
		For >10 Manholes, Deduct	*-128.87*	
33 01 30 83-0017	VLF	4' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	837.37	
		For 2 To 5 Manholes, Deduct	*-47.97*	
		For 6 To 10 Manholes, Deduct	*-75.01*	
		For >10 Manholes, Deduct	*-150.02*	
33 01 30 83-0018	VLF	5' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	1,050.16	
		For 2 To 5 Manholes, Deduct	*-60.14*	
		For 6 To 10 Manholes, Deduct	*-94.02*	
		For >10 Manholes, Deduct	*-188.04*	
33 01 30 83-0019	VLF	6' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	1,262.96	
		For 2 To 5 Manholes, Deduct	*-72.30*	
		For 6 To 10 Manholes, Deduct	*-113.03*	
		For >10 Manholes, Deduct	*-226.07*	
33 01 30 86		**Manhole Rim Adjustment** *(33 01 30)*		
33 01 30 86-0001		Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Risers *(33 01 30 86)*		
33 01 30 86-0002		Up To 6" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Risers *(33 01 30 86-0001)*		
33 01 30 86-0003	EA	Up To 2" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	421.57	
33 01 30 86-0004	EA	>2" To 3" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	474.65	
33 01 30 86-0005	EA	>3" To 4" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	522.83	
33 01 30 86-0006	EA	>4" To 5" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	577.42	
33 01 30 86-0007	EA	>5" To 6" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	621.70	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 86-0008		**Up To 6" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser** *(33 01 30 86-0001)*			
33 01 30 86-0009	EA	Up To 2" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser		496.81	
33 01 30 86-0010	EA	>2 To 3" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser		541.74	
33 01 30 86-0011	EA	>3" To 4" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser		598.31	
33 01 30 86-0012	EA	>4" To 5" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser		652.90	
33 01 30 86-0013	EA	>5" To 6" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser		705.53	
33 01 30 86-0014		**Up To 6" Rise, >32-1/2" To 36" Diameter, Adjustable Or Solid Manhole Risers** *(33 01 30 86-0001)*			
33 01 30 86-0015	EA	Up To 4" Rise, >32-1/2" To 36" Diameter, Solid Manhole Risers		569.53	
33 01 30 86-0016	EA	>4" To 5" Rise, >32-1/2" To 36" Diameter, Solid Manhole Risers		601.98	
33 01 30 86-0017	EA	>5" To 6" Rise, >32-1/2" To 36" Diameter, Solid Manhole Risers		636.76	
33 01 30 86-0018		**>6" To 12" Rise, >32-1/2" To 36" Diameter, Solid, Cast Iron, Manhole Cover Risers** *(33 01 30 86-0001)*			
33 01 30 86-0019	EA	>6" To 6-1/2" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser		693.56	
33 01 30 86-0020	EA	7" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser		754.56	
33 01 30 86-0021	EA	7-1/2" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser		816.54	
33 01 30 86-0022	EA	8" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser		865.72	
33 01 30 86-0023	EA	9" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser		941.08	
33 01 30 86-0024	EA	10" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser		1,009.45	
33 01 30 86-0025	EA	11" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser		1,076.35	
33 01 30 86-0026	EA	12" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser		1,144.67	
33 01 30 86-0027		**>12" Rise, Solid Manhole Risers** *(33 01 30 86)*			
33 01 30 86-0028		**Precast Concrete Manhole Riser** *(33 01 30 86-0027)*			
33 01 30 86-0029	VLF	Up To 26" Diameter Precast Concrete Manhole Riser		117.34	
33 01 30 86-0030	VLF	>26" To 36" Diameter Precast Concrete Manhole Riser		140.37	
33 01 30 86-0031	VLF	>36" To 48" Diameter Precast Concrete Manhole Riser		191.20	
33 01 30 86-0032	VLF	>48" To 60" Diameter Precast Concrete Manhole Riser		387.80	
33 01 30 86-0033	VLF	>60" To 72" Diameter Precast Concrete Manhole Riser		568.44	
33 01 30 89		**By-Pass Piping and Pumping of Water and Sewer Utilities** *(33 01 30)*			
33 01 30 89-0001		**Set-Up By-Pass Pumping Unit** *(33 01 30 89)* Note: Excludes pump and hose rental. See CSI section 01 22 23 00-1140 for pump rental, 01 22 23 00-1183 for suction hose, 01 22 23 00-1202 for discharge hose.			
33 01 30 89-0002	EA	Set-up By-Pass Pumping Unit		2,009.95	
33 01 30 89-0003	EA	Re-Set Up/Move By-Pass Pumping Unit		1,004.98	
33 01 30 89-0004		**By-Pass Pumping** *(33 01 30 89)* Note: Excludes pump rental. See CSI section 01 22 23 00-1140 for pump rental.			
33 01 30 89-0005	DAY	Maintain And Operate By-Pass Pumping Unit		502.49	
33 01 30 89-0006	WK	Maintain And Operate By-Pass Pumping Unit		2,512.44	
33 01 30 89-0007	MO	Maintain And Operate By-Pass Pumping Unit		10,552.24	
33 01 30 89-0008		**Temporary Bypass And Service Lines** *(33 01 30 89)* Note: Laid on ground, includes fittings and connections. Remove after use.			
33 01 30 89-0009		**Temporary Water Service Lines** *(33 01 30 89-0008)* Note: Laid on ground, includes fittings, connection to building water service, and chlorination prior to each use. Remove after use.			
33 01 30 89-0010	LF	1/2" Temporary Service Hose With Fittings Note: Includes removal after use.		2.94	
33 01 30 89-0011	LF	3/4" Temporary Service Hose With Fittings Note: Includes removal after use.		3.73	
33 01 30 89-0012	LF	1" Temporary Service Hose With Fittings Note: Includes removal after use.		4.33	
33 01 30 89-0013	LF	1-1/2" Temporary Service Hose With Fittings Note: Includes removal after use.		5.18	
33 01 30 89-0014	LF	2" Temporary Service Hose With Fittings Note: Includes removal after use.		6.36	
33 01 30 89-0015	EA	Temporary Service Valve Assembly At Fire Hydrant Note: Includes removal after use.		323.37	
33 01 30 89-0016		**Temporary Bypass Water Main Lines** *(33 01 30 89-0008)* Note: Laid on ground, includes fittings, connections to mains and chlorination prior to each use. Remove after use.			

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 89-0017	LF	2" Temporary Bypass Water Main Pipe With Fittings Note: Includes removal after use.	6.76	
		For >500 To 1,000, Deduct	*-0.45*	
		For >1,000 To 5,000, Deduct	*-0.90*	
		For >5,000, Deduct	*-1.50*	
33 01 30 89-0018	LF	4" Temporary Bypass Water Main Pipe With Fittings Note: Includes removal after use.	11.13	
		For >500 To 1,000, Deduct	*-0.58*	
		For >1,000 To 5,000, Deduct	*-1.16*	
		For >5,000, Deduct	*-1.93*	
33 01 30 89-0019	LF	6" Temporary Bypass Water Main Pipe With Fittings Note: Includes removal after use.	16.04	
		For >500 To 1,000, Deduct	*-0.67*	
		For >1,000 To 5,000, Deduct	*-1.35*	
		For >5,000, Deduct	*-2.25*	
33 01 30 89-0020	LF	8" Temporary Bypass Water Main Pipe With Fittings Note: Includes removal after use.	20.27	
		For >500 To 1,000, Deduct	*-0.81*	
		For >1,000 To 5,000, Deduct	*-1.62*	
		For >5,000, Deduct	*-2.70*	

33 01 30 89-0021 Piping Protection For Temporary Water Line *(33 01 30 89-0008)*

33 01 30 89-0022	LF	Cold Mix For Temporary Pipe Note: Install along each side of pipe edge. Unit of measure "LF" is for length of pipe and includes both sides of pipe.	3.62

33 01 30 89-0023 Drill Meter Cover For Temporary Water Line *(33 01 30 89-0008)*

33 01 30 89-0024	EA	Drill Meter Cover For Temporary Bypass Pipe	18.73

33 01 30 89-0025 Temporary By-Pass Plug *(33 01 30 89)*

33 01 30 89-0026	EA	8" To 16" Temporary By-Pass Plug	820.45
33 01 30 89-0027	EA	12" To 24" Temporary By-Pass Plug	1,288.31
33 01 30 89-0028	EA	15" To 30" Temporary By-Pass Plug	2,127.80
33 01 30 89-0029	EA	20" To 40" Temporary By-Pass Plug	2,610.64
33 01 30 89-0030	EA	24" To 28" Temporary By-Pass Plug	3,517.32

33 01 34 Operation and Maintenance of Onsite Wastewater Disposal Systems *(33 01)*

33 01 34 13 Septic Tank Solids Removal *(33 01 34)*

33 01 34 13-0001 Pump Out Septic Tanks *(33 01 34 13)*

33 01 34 13-0002	GAL	Pump Out Septic Tank And Dispose	0.70

33 01 40 Operation and Maintenance of Stormwater Utilities *(33 01)*

33 01 40 00-0001 Solid Wall High-Density Polyethylene (HDPE) Culvert Slip-Lining System *(33 01 40)*

Note: Snap-Tite slip-lining system. Excludes culvert cleaning and grouting. See CSI section 33 01 30 41-0024 for culvert cleaning.

33 01 40 00-0002	LF	6.625" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	28.40
		For Profile Wall (Corrugated), Deduct	*-4.53*
33 01 40 00-0003	LF	8.625" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	42.66
		For Profile Wall (Corrugated), Deduct	*-7.10*
33 01 40 00-0004	LF	10.75" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	39.84
		For Profile Wall (Corrugated), Deduct	*-6.30*
33 01 40 00-0005	LF	12.75" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	52.71
		For Profile Wall (Corrugated), Deduct	*-8.51*
33 01 40 00-0006	LF	14" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	60.20
		For Profile Wall (Corrugated), Deduct	*-9.53*
33 01 40 00-0007	LF	16" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	72.74
		For Profile Wall (Corrugated), Deduct	*-11.87*
33 01 40 00-0008	LF	18" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	91.43
		For Profile Wall (Corrugated), Deduct	*-14.94*
33 01 40 00-0009	LF	20" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	112.32
		For Profile Wall (Corrugated), Deduct	*-18.64*
33 01 40 00-0010	LF	22" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	129.59
		For Profile Wall (Corrugated), Deduct	*-21.62*
33 01 40 00-0011	LF	24" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	148.39
		For Profile Wall (Corrugated), Deduct	*-24.90*
33 01 40 00-0012	LF	26" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	169.44
		For Profile Wall (Corrugated), Deduct	*-28.63*
33 01 40 00-0013	LF	28" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	191.24
		For Profile Wall (Corrugated), Deduct	*-32.52*
33 01 40 00-0014	LF	30" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	221.70
		For Profile Wall (Corrugated), Deduct	*-38.13*
33 01 40 00-0015	LF	32" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	253.65
		For Profile Wall (Corrugated), Deduct	*-44.04*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 40 00-0016	LF	34" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	280.47	
		For Profile Wall (Corrugated), Deduct	*-48.93*	
33 01 40 00-0017	LF	36" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	307.29	
		For Profile Wall (Corrugated), Deduct	*-53.82*	
33 01 40 00-0018	LF	39.37" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	351.54	
		For Profile Wall (Corrugated), Deduct	*-62.19*	
33 01 40 00-0019	LF	42" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	395.78	
		For Profile Wall (Corrugated), Deduct	*-70.56*	
33 01 40 00-0020	LF	48" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	510.10	
		For Profile Wall (Corrugated), Deduct	*-92.94*	
33 01 40 00-0021	LF	54" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	622.93	
		For Profile Wall (Corrugated), Deduct	*-115.03*	
33 01 40 00-0022	LF	57" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	690.42	
		For Profile Wall (Corrugated), Deduct	*-128.05*	
33 01 40 00-0023	LF	60" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	757.26	
		For Profile Wall (Corrugated), Deduct	*-140.94*	
33 01 40 00-0024	LF	63" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	825.40	
		For Profile Wall (Corrugated), Deduct	*-154.09*	
33 01 40 00-0025	LF	66" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	926.99	
		For Profile Wall (Corrugated), Deduct	*-173.70*	
33 01 40 00-0026	LF	72" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	984.20	
		For Profile Wall (Corrugated), Deduct	*-184.18*	
33 01 40 00-0027	LF	78" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	1,046.29	
		For Profile Wall (Corrugated), Deduct	*-195.41*	
33 01 40 00-0028	LF	84" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	1,135.74	
		For Profile Wall (Corrugated), Deduct	*-212.34*	
33 01 40 00-0029	LF	90" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	1,162.23	
		For Profile Wall (Corrugated), Deduct	*-216.68*	
33 01 40 00-0030	LF	96" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	1,177.65	
		For Profile Wall (Corrugated), Deduct	*-218.57*	
33 01 40 00-0031	LF	16.5 x 23" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	149.70	
		For Profile Wall (Corrugated), Deduct	*-25.12*	
33 01 40 00-0032	LF	17" x 26" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	167.65	
		For Profile Wall (Corrugated), Deduct	*-27.81*	
33 01 40 00-0033	LF	18" x 29" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	184.95	
33 01 40 00-0034	LF	19" x 32" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	213.58	
		For Profile Wall (Corrugated), Deduct	*-35.73*	
33 01 40 00-0035	LF	21" x 33.5" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	234.33	
		For Profile Wall (Corrugated), Deduct	*-39.24*	
33 01 40 00-0036	LF	22.5 x 36" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	262.90	
		For Profile Wall (Corrugated), Deduct	*-44.32*	
33 01 40 00-0037	LF	26" x 37" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	293.03	
		For Profile Wall (Corrugated), Deduct	*-49.71*	
33 01 40 00-0038	LF	30" x 41" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	351.24	
		For Profile Wall (Corrugated), Deduct	*-60.08*	
33 01 40 00-0039	LF	31" x 46" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	394.81	
33 01 40 00-0040	LF	34" x 48.5" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	437.26	
		For Profile Wall (Corrugated), Deduct	*-76.02*	
33 01 40 00-0041	LF	39" x 55.5" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	541.71	
		For Profile Wall (Corrugated), Deduct	*-96.27*	
33 01 40 00-0042	LF	43" x 63" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	650.70	
		For Profile Wall (Corrugated), Deduct	*-117.44*	
33 01 40 00-0043	LF	48" x 75" Outside Daimeter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	833.29	
		For Profile Wall (Corrugated), Deduct	*-153.95*	
33 01 40 00-0044	LF	52" x 72.5" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	842.83	
		For Profile Wall (Corrugated), Deduct	*-153.95*	
33 01 40 00-0045	LF	58" x 67.5" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	842.83	
		For Profile Wall (Corrugated), Deduct	*-153.95*	

33 01 70 Operation and Maintenance of Electrical Utilities *(33 01)*

33 01 70 51 Electrical Utility Visual Inspection *(33 01 70)*

33 01 70 51-0001 Video Camera Inspection Of Gas Piping and Electrical Duct *(33 01 70 51)*

33 01 70 51-0002 Video Camera Set-up *(33 01 70 51-0001)*

33 01 70 51-0003	EA	Up To 12" Diameter, Initial Set Up For Video Inspection, Gas Pipe Or Electrical Duct	284.28
33 01 70 51-0004	EA	>12" To 48" Diameter, Initial Set Up For Video Inspection, Gas Pipe	319.83
33 01 70 51-0005	EA	Up To 12" Diameter, Re-Set Up/Move For Video Inspection, Gas Pipe Or Electrical Duct	71.07
33 01 70 51-0006	EA	>12" To 48" Diameter, Re-Set Up/Move For Video Inspection, Gas Pipe	106.61

33 01 70 51-0007 Video Camera Inspection Of Gas Pipe Or Electrical Duct *(33 01 70 51-0001)*

33 01 70 51-0008	LF	Up To 12" Diameter, Video Inspection, Gas Pipe Or Electrical Duct	1.10	
		For >1,000 To 5,000, Deduct	*-0.06*	
		For >5,000, Deduct	*-0.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 70 51-0009	LF	>12" To 48" Diameter, Video Inspection, Gas Pipe	1.69	
		For >1,000 To 5,000, Deduct	*-0.08*	
		For >5,000, Deduct	*-0.17*	

33 01 70 72 Cured-in-Place Conduit Lining *(33 01 70)*

33 01 70 72-0001 Lining Conduit With Cured In-Place (CIP) Liner *(33 01 70 72)*

Note: Cured in-place thermosetting resin pipe and resin impregnated tube. Excludes video camera inspection and cleaning.

33 01 70 72-0002 2mm Thick Cured In-Place Conduit Lining *(33 01 70 72-0001)*

33 01 70 72-0003	LF	1-1/2" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	7.64	
		For Up To >10, Add	*14.67*	
		For >10 To 25, Add	*11.68*	
		For >25 To 50, Add	*7.17*	
		For >50 To 100, Add	*3.59*	
		For >500 To 1,000, Deduct	*-0.49*	
		For >1,000 To 2,000, Deduct	*-0.79*	
		For >2,000 To 5,000, Deduct	*-1.48*	
		For >5,000, Deduct	*-2.40*	
33 01 70 72-0004	LF	2" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	9.35	
		For Up To >10, Add	*16.90*	
		For >10 To 25, Add	*13.34*	
		For >25 To 50, Add	*8.23*	
		For >50 To 100, Add	*4.11*	
		For >500 To 1,000, Deduct	*-0.59*	
		For >1,000 To 2,000, Deduct	*-0.95*	
		For >2,000 To 5,000, Deduct	*-1.76*	
		For >5,000, Deduct	*-2.85*	
33 01 70 72-0005	LF	2-1/2" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	11.71	
		For Up To >10, Add	*21.11*	
		For >10 To 25, Add	*16.65*	
		For >25 To 50, Add	*10.27*	
		For >50 To 100, Add	*5.14*	
		For >500 To 1,000, Deduct	*-0.74*	
		For >1,000 To 2,000, Deduct	*-1.18*	
		For >2,000 To 5,000, Deduct	*-2.20*	
		For >5,000, Deduct	*-3.56*	
33 01 70 72-0006	LF	3" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	13.83	
		For Up To >10, Add	*24.57*	
		For >10 To 25, Add	*19.34*	
		For >25 To 50, Add	*11.94*	
		For >50 To 100, Add	*5.97*	
		For >500 To 1,000, Deduct	*-0.87*	
		For >1,000 To 2,000, Deduct	*-1.39*	
		For >2,000 To 5,000, Deduct	*-2.58*	
		For >5,000, Deduct	*-4.18*	
33 01 70 72-0007	LF	3-1/2" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	15.53	
		For Up To >10, Add	*26.77*	
		For >10 To 25, Add	*20.98*	
		For >25 To 50, Add	*12.99*	
		For >50 To 100, Add	*6.49*	
		For >500 To 1,000, Deduct	*-0.97*	
		For >1,000 To 2,000, Deduct	*-1.54*	
		For >2,000 To 5,000, Deduct	*-2.85*	
		For >5,000, Deduct	*-4.63*	
33 01 70 72-0008	LF	4" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	17.50	
		For Up To >10, Add	*29.78*	
		For >10 To 25, Add	*23.30*	
		For >25 To 50, Add	*14.43*	
		For >50 To 100, Add	*7.22*	
		For >500 To 1,000, Deduct	*-1.09*	
		For >1,000 To 2,000, Deduct	*-1.73*	
		For >2,000 To 5,000, Deduct	*-3.19*	
		For >5,000, Deduct	*-5.18*	
33 01 70 72-0009	LF	5" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	20.63	
		For Up To >10, Add	*33.37*	
		For >10 To 25, Add	*25.90*	
		For >25 To 50, Add	*16.11*	
		For >50 To 100, Add	*8.06*	
		For >500 To 1,000, Deduct	*-1.26*	
		For >1,000 To 2,000, Deduct	*-2.01*	
		For >2,000 To 5,000, Deduct	*-3.67*	
		For >5,000, Deduct	*-5.97*	
33 01 70 72-0010	LF	6" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	23.77	
		For Up To >10, Add	*36.99*	
		For >10 To 25, Add	*28.53*	
		For >25 To 50, Add	*17.81*	
		For >50 To 100, Add	*8.90*	
		For >500 To 1,000, Deduct	*-1.44*	
		For >1,000 To 2,000, Deduct	*-2.28*	
		For >2,000 To 5,000, Deduct	*-4.16*	
		For >5,000, Deduct	*-6.76*	

33 01 70 72-0011 3mm Thick Cured In-Place Conduit Lining *(33 01 70 72-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 70 72-0012	LF	1-1/2" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	9.42	
		For Up To >10, Add	*16.24*	
		For >10 To 25, Add	*12.73*	
		For >25 To 50, Add	*7.88*	
		For >50 To 100, Add	*3.94*	
		For >500 To 1,000, Deduct	*-0.59*	
		For >1,000 To 2,000, Deduct	*-0.94*	
		For >2,000 To 5,000, Deduct	*-1.73*	
		For >5,000, Deduct	*-2.81*	
33 01 70 72-0013	LF	2" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	12.25	
		For Up To >10, Add	*20.38*	
		For >10 To 25, Add	*15.89*	
		For >25 To 50, Add	*9.86*	
		For >50 To 100, Add	*4.93*	
		For >500 To 1,000, Deduct	*-0.76*	
		For >1,000 To 2,000, Deduct	*-1.20*	
		For >2,000 To 5,000, Deduct	*-2.21*	
		For >5,000, Deduct	*-3.59*	
33 01 70 72-0014	LF	2-1/2" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	15.07	
		For Up To >10, Add	*24.49*	
		For >10 To 25, Add	*19.02*	
		For >25 To 50, Add	*11.83*	
		For >50 To 100, Add	*5.91*	
		For >500 To 1,000, Deduct	*-0.92*	
		For >1,000 To 2,000, Deduct	*-1.47*	
		For >2,000 To 5,000, Deduct	*-2.69*	
		For >5,000, Deduct	*-4.37*	
33 01 70 72-0015	LF	3" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	17.62	
		For Up To >10, Add	*27.81*	
		For >10 To 25, Add	*21.51*	
		For >25 To 50, Add	*13.40*	
		For >50 To 100, Add	*6.70*	
		For >500 To 1,000, Deduct	*-1.07*	
		For >1,000 To 2,000, Deduct	*-1.70*	
		For >2,000 To 5,000, Deduct	*-3.10*	
		For >5,000, Deduct	*-5.04*	
33 01 70 72-0016	LF	3-1/2" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	20.04	
		For Up To >10, Add	*30.72*	
		For >10 To 25, Add	*23.64*	
		For >25 To 50, Add	*14.77*	
		For >50 To 100, Add	*7.39*	
		For >500 To 1,000, Deduct	*-1.21*	
		For >1,000 To 2,000, Deduct	*-1.92*	
		For >2,000 To 5,000, Deduct	*-3.48*	
		For >5,000, Deduct	*-5.66*	
33 01 70 72-0017	LF	4" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	22.59	
		For Up To >10, Add	*34.02*	
		For >10 To 25, Add	*26.10*	
		For >25 To 50, Add	*16.34*	
		For >50 To 100, Add	*8.17*	
		For >500 To 1,000, Deduct	*-1.36*	
		For >1,000 To 2,000, Deduct	*-2.15*	
		For >2,000 To 5,000, Deduct	*-3.89*	
		For >5,000, Deduct	*-6.34*	
33 01 70 72-0018	LF	5" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	27.56	
		For Up To >10, Add	*40.23*	
		For >10 To 25, Add	*30.70*	
		For >25 To 50, Add	*19.27*	
		For >50 To 100, Add	*9.63*	
		For >500 To 1,000, Deduct	*-1.64*	
		For >1,000 To 2,000, Deduct	*-2.60*	
		For >2,000 To 5,000, Deduct	*-4.68*	
		For >5,000, Deduct	*-7.63*	
33 01 70 72-0019	LF	6" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	32.13	
		For Up To >10, Add	*45.24*	
		For >10 To 25, Add	*34.29*	
		For >25 To 50, Add	*21.60*	
		For >50 To 100, Add	*10.80*	
		For >500 To 1,000, Deduct	*-1.90*	
		For >1,000 To 2,000, Deduct	*-2.99*	
		For >2,000 To 5,000, Deduct	*-5.37*	
		For >5,000, Deduct	*-8.76*	

33 05 Common Work Results for Utilities *(33)*

33 05 05 Buried Piping Installation *(33 05)*

33 05 05 43 Mandrel Testing *(33 05 05)*

33 05 05 43-0001 Pipe Line Deflection Testing (Mandrel) On Existing Pipe *(33 05 05 43)*

33 05 05 43-0002	EA	Initial Set Up And Final Equipment Removal For Deflection Testing (Mandrel)	646.74
33 05 05 43-0003	EA	Move And Reset Up At Different Access/Location For Deflection Testing (Mandrel)	323.37

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 05 43-0004	LF	Up To 4" Diameter Pipe Line Deflection Testing (Mandrel)	1.03	
		For >100 To 200, Deduct	*-0.05*	
		For >200 To 400, Deduct	*-0.10*	
		For >400, Deduct	*-0.16*	
33 05 05 43-0005	LF	6" Diameter Pipe Line Deflection Testing (Mandrel)	1.55	
		For >100 To 200, Deduct	*-0.07*	
		For >200 To 400, Deduct	*-0.13*	
		For >400, Deduct	*-0.20*	
33 05 05 43-0006	LF	8" Diameter Pipe Line Deflection Testing (Mandrel)	1.85	
		For >100 To 200, Deduct	*-0.08*	
		For >200 To 400, Deduct	*-0.15*	
		For >400, Deduct	*-0.24*	
33 05 05 43-0007	LF	10" Diameter Pipe Line Deflection Testing (Mandrel)	2.17	
		For >100 To 200, Deduct	*-0.09*	
		For >200 To 400, Deduct	*-0.17*	
		For >400, Deduct	*-0.27*	
33 05 05 43-0008	LF	12" Diameter Pipe Line Deflection Testing (Mandrel)	2.43	
		For >100 To 200, Deduct	*-0.10*	
		For >200 To 400, Deduct	*-0.19*	
		For >400, Deduct	*-0.30*	
33 05 05 43-0009	LF	>12" To 15" Diameter Pipe Line Deflection Testing (Mandrel)	2.55	
		For >100 To 200, Deduct	*-0.11*	
		For >200 To 400, Deduct	*-0.21*	
		For >400, Deduct	*-0.32*	
33 05 05 43-0010	LF	>15" To 24" Diameter Pipe Line Deflection Testing (Mandrel)	2.70	
		For >100 To 200, Deduct	*-0.12*	
		For >200 To 400, Deduct	*-0.23*	
		For >400, Deduct	*-0.36*	
33 05 05 43-0011	LF	>24" To 30" Diameter Pipe Line Deflection Testing (Mandrel)	2.96	
		For >100 To 200, Deduct	*-0.14*	
		For >200 To 400, Deduct	*-0.26*	
		For >400, Deduct	*-0.41*	
33 05 05 43-0012	LF	>30" To 42" Diameter Pipe Line Deflection Testing (Mandrel)	3.51	
		For >100 To 200, Deduct	*-0.18*	
		For >200 To 400, Deduct	*-0.34*	
		For >400, Deduct	*-0.53*	
33 05 05 43-0013	LF	>42" To 48" Diameter Pipe Line Deflection Testing (Mandrel)	4.67	
		For >100 To 200, Deduct	*-0.27*	
		For >200 To 400, Deduct	*-0.50*	
		For >400, Deduct	*-0.79*	
33 05 05 43-0014	LF	>48" To 60" Diameter Pipe Line Deflection Testing (Mandrel)	5.94	
		For >100 To 200, Deduct	*-0.36*	
		For >200 To 400, Deduct	*-0.68*	
		For >400, Deduct	*-1.07*	

33 05 07 Trenchless Installation of Utility Piping *(33 05)*

33 05 07 13 Utility Directional Drilling *(33 05 07)*

33 05 07 13-0001 Horizontal Augering *(33 05 07 13)*

Note: Excludes starting or receiving pits, dewatering, cost of casing pipe or spoils removal. See CSI section 31 23 16 36-0000 for excavation and backfill of starting or receiving pits, 33 05 07 24-0001 for casing pipe.

33 05 07 13-0002	LF	Up To 2" Diameter Horizontal Hand Augering	29.50
33 05 07 13-0003	LF	3" Diameter Horizontal Hand Augering	35.60
33 05 07 13-0004	LF	4" Diameter Horizontal Hand Augering	48.83
33 05 07 13-0005	LF	6" Diameter Horizontal Hand Augering	63.07
33 05 07 13-0006	LF	8" Diameter Horizontal Augering	108.52
33 05 07 13-0007	LF	10" Diameter Horizontal Augering	158.31
33 05 07 13-0008	LF	12" Diameter Horizontal Augering	190.24
33 05 07 13-0009	LF	16" Diameter Horizontal Augering	227.26
33 05 07 13-0010	LF	20" Diameter Horizontal Augering	393.23
33 05 07 13-0011	LF	24" Diameter Horizontal Augering	485.21
33 05 07 13-0012	LF	30" Diameter Horizontal Augering	598.48
33 05 07 13-0013	LF	36" Diameter Horizontal Augering	683.77
33 05 07 13-0014	LF	42" Diameter Horizontal Augering	850.51
33 05 07 13-0015	LF	48" Diameter Horizontal Augering	916.43
33 05 07 13-0016	LF	54" Diameter Horizontal Augering	996.67
33 05 07 13-0017	LF	60" Diameter Horizontal Augering	1,044.89
33 05 07 13-0018	EA	8" To 20" Horizontal Augering Minimum Set-up Charge Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	4,596.21
33 05 07 13-0019	EA	>20" To 36" Horizontal Augering Minimum Set-up Charge Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	6,152.58
33 05 07 13-0020	EA	>36" Horizontal Augering Minimum Set-up Charge Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	8,682.38

33 05 07 13-0021 Horizontal Directional Boring *(33 05 07 13)*

Note: Excludes receiving pits or dewatering or cost of casing pipe. See CSI section 31 23 16 36-0000 for excavation and backfill of starting or receiving pits, 33 05 07 24-0001 for casing pipe.

33 05 07 13-0022	LF	Up To 1-1/2" Diameter Directional Boring For Horizontal Pipe, Underground	15.08
		For Horizontal Boring Through Rock, Add	*10.56*

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 07 13-0023		LF	2" Diameter Directional Boring For Horizontal Pipe, Underground	22.61	
			For Horizontal Boring Through Rock, Add	*15.83*	
33 05 07 13-0024		LF	2-1/2" Diameter Directional Boring For Horizontal Pipe, Underground	31.41	
			For Horizontal Boring Through Rock, Add	*21.99*	
33 05 07 13-0025		LF	3" Diameter Directional Boring For Horizontal Pipe, Underground	38.95	
			For Horizontal Boring Through Rock, Add	*27.27*	
33 05 07 13-0026		LF	4" Diameter Directional Boring For Horizontal Pipe, Underground	46.49	
			For Horizontal Boring Through Rock, Add	*32.54*	
33 05 07 13-0027		LF	5" Diameter Directional Boring For Horizontal Pipe, Underground	54.03	
			For Horizontal Boring Through Rock, Add	*37.82*	
33 05 07 13-0028		LF	6" Diameter Directional Boring For Horizontal Pipe, Underground	62.82	
			For Horizontal Boring Through Rock, Add	*43.97*	
33 05 07 13-0029		LF	8" Diameter Directional Boring For Horizontal Pipe, Underground	76.61	
			For Horizontal Boring Through Rock, Add	*53.63*	
33 05 07 13-0030		LF	10" Diameter Directional Boring For Horizontal Pipe, Underground	82.99	
			For Horizontal Boring Through Rock, Add	*58.09*	
33 05 07 13-0031		LF	12" Diameter Directional Boring For Horizontal Pipe, Underground	89.38	
			For Horizontal Boring Through Rock, Add	*62.57*	
33 05 07 13-0032		LF	18" Diameter Directional Boring For Horizontal Pipe, Underground	185.13	
			For Horizontal Boring Through Rock, Add	*129.59*	
33 05 07 13-0033		LF	24" Diameter Directional Boring For Horizontal Pipe, Underground	286.66	
			For Horizontal Boring Through Rock, Add	*200.66*	
33 05 07 13-0034		LF	30" Diameter Directional Boring For Horizontal Pipe, Underground	436.97	
			For Horizontal Boring Through Rock, Add	*305.88*	
33 05 07 13-0035		LF	36" Diameter Directional Boring For Horizontal Pipe, Underground	699.15	
			For Horizontal Boring Through Rock, Add	*489.41*	
33 05 07 13-0036		EA	Up To 6" Horizontal Directional Boring Minimum Set-up Charge Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	4,020.47	
33 05 07 13-0037		EA	>6" To 18" Horizontal Directional Boring Minimum Set-up Charge Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	4,596.21	
33 05 07 13-0038		EA	>18" To 36" Horizontal Directional Boring Minimum Set-up Charge Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	6,152.58	

33 05 07 23 Utility Boring and Jacking *(33 05 07)*

33 05 07 23-0001 Horizontal Jacking *(33 05 07 23)*

Note: Includes cost of steel casing pipe, excludes dewatering and excavation for jacking pit or receiving pit. See CSI section 31 23 16 36-0000 for excavation and backfill of starting or receiving pits.

33 05 07 23-0002		LF	Up To 2" Diameter Horizontal Jacking	79.36	
			For Horizontal Jacking Through Rock, Add	*32.64*	
33 05 07 23-0003		LF	3" Diameter Horizontal Jacking	94.95	
			For Horizontal Jacking Through Rock, Add	*39.39*	
33 05 07 23-0004		LF	4" Diameter Horizontal Jacking	127.75	
			For Horizontal Jacking Through Rock, Add	*54.02*	
33 05 07 23-0005		LF	6" Diameter Horizontal Jacking	165.14	
			For Horizontal Jacking Through Rock, Add	*69.78*	
33 05 07 23-0006		LF	8" Diameter Horizontal Jacking	222.94	
			For Horizontal Jacking Through Rock, Add	*95.66*	
33 05 07 23-0007		LF	10" Diameter Horizontal Jacking	327.32	
			For Horizontal Jacking Through Rock, Add	*139.56*	
33 05 07 23-0008		LF	12" Diameter Horizontal Jacking	394.30	
			For Horizontal Jacking Through Rock, Add	*167.70*	
33 05 07 23-0009		LF	16" Diameter Horizontal Jacking	470.69	
			For Horizontal Jacking Through Rock, Add	*200.34*	
33 05 07 23-0010		LF	20" Diameter Horizontal Jacking	708.08	
			For Horizontal Jacking Through Rock, Add	*347.77*	
33 05 07 23-0011		LF	24" Diameter Horizontal Jacking	1,301.45	
			For Horizontal Jacking Through Rock, Add	*390.29*	
33 05 07 23-0012		LF	30" Diameter Horizontal Jacking	1,491.88	
			For Horizontal Jacking Through Rock, Add	*481.94*	
33 05 07 23-0013		LF	36" Diameter Horizontal Jacking	1,679.88	
			For Horizontal Jacking Through Rock, Add	*551.05*	
33 05 07 23-0014		LF	42" Diameter Horizontal Jacking	1,802.27	
			For Horizontal Jacking Through Rock, Add	*595.06*	
33 05 07 23-0015		LF	48" Diameter Horizontal Jacking	1,957.40	
			For Horizontal Jacking Through Rock, Add	*641.17*	
33 05 07 23-0016		LF	54" Diameter Horizontal Jacking	2,082.65	
			For Horizontal Jacking Through Rock, Add	*697.80*	
33 05 07 23-0017		EA	Up To 6" Horizontal Jacking Minimum Set-up Charge Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	4,020.47	
33 05 07 23-0018		EA	>6" To 20" Horizontal Jacking Minimum Set-up Charge Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	4,596.21	
33 05 07 23-0019		EA	>20" To 36" Horizontal Jacking Minimum Set-up Charge Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	6,152.58	
33 05 07 23-0020		EA	>36" Horizontal Jacking Minimum Set-up Charge Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	8,682.38	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 05 07 24 Casing Piping for Utility Jacking *(33 05 07)*

33 05 07 24-0001 Casing Pipe *(33 05 07 24)*
Note: Casing pipe is pulled back from hook on boring auger through slurry. Costs are installed costs. Excludes boring.

33 05 07 24-0002 Steel Pipe *(33 05 07 24-0001)*

33 05 07 24-0003	LF	1-1/2" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	28.55
33 05 07 24-0004	LF	2" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	30.18
33 05 07 24-0005	LF	2-1/2" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	32.71
33 05 07 24-0006	LF	3" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	35.27
33 05 07 24-0007	LF	4" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	45.14
33 05 07 24-0008	LF	5" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	51.30
33 05 07 24-0009	LF	6" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	57.45

33 05 07 24-0010 Polyethylene Pipe *(33 05 07 24-0001)*
Note: Includes detectable tracer wire.

33 05 07 24-0011	LF	3/4" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	6.51
33 05 07 24-0012	LF	1" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	7.14
33 05 07 24-0013	LF	1-1/4" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	7.74
33 05 07 24-0014	LF	1-1/2" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	8.27
33 05 07 24-0015	LF	2" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	8.85
33 05 07 24-0016	LF	2-1/2" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	9.48
33 05 07 24-0017	LF	3" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	10.12
33 05 07 24-0018	LF	4" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	12.34
33 05 07 24-0019	LF	5" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	13.71
33 05 07 24-0020	LF	6" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	15.08
33 05 07 24-0021	LF	8" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	19.78
33 05 07 24-0022	LF	10" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	27.10

33 05 09 Piping Specials for Utilities *(33 05)*

33 05 09 23 Adapters for Utility Piping *(33 05 09)*
See CSI section 33 14 13 53-0222 for ductile iron body adapters, 33 14 13 53-0229 for steel body adapters.

33 05 09 33 Thrust Restraint for Utility Piping *(33 05 09)*
See CSI section 33 14 13 13-0615 for mechanical restraints, 33 14 13 13-0651 for flanged restraints, 33 14 13 13-1258 for slip-on restraints, 33 14 13 13-1274 for slip-on restraint harnesses.

33 05 16 Cast-Iron Utility Pipe *(33 05)*
See CSI section 22 13 16 00-0019 for cast iron utility piping.

33 05 17 Copper Utility Pipe and Tubing *(33 05)*
See CSI section 33 14 13 39-0000 for copper utility piping.

33 05 19 Ductile-Iron Utility Pipe *(33 05)*
See CSI section 33 14 13 13-0000 for ductile iron utility piping.

33 05 24 Steel Utility Pipe *(33 05)*

33 05 24 23 Steel Pipe for Water Service *(33 05 24)*
See CSI section 33 14 13 26-0000 for galvanized steel utility piping, 33 14 13 36-0000 for steel utility piping.

33 05 27 Corrugated Metal Utility Pipe *(33 05)*

33 05 27 13 Corrugated Metal Culvert Pipe *(33 05 27)*
See CSI section 33 42 11 00-0500 for corrugated metal culvert pipe.

33 05 27 23 Corrugated Metal Slotted Pipe *(33 05 27)*
See CSI section 33 41 16 13-0085 for corrugated metal slotted pipe.

33 05 27 33 Corrugated Metal Culvert Arch Pipe *(33 05 27)*
See CSI section 33 42 11 00-0844 for corrugated metal culvert arch pipe.

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MINOR
CSI UOM DESCRIPTION — TOTAL DIRECT UNIT COST — DEMOLITION UNIT COST

33 05 31 Thermoplastic Utility Pipe *(33 05)*

33 05 31 11 Polyvinyl Chloride Gravity Sewer Pipe *(33 05 31)*
See CSI section 33 31 11 00-0000 for polyvinyl chloride gravity sewer pipe.

33 05 31 13 Polyvinyl Chloride Pressure Pipe *(33 05 31)*
See CSI section 33 14 13 23-0001 for polyvinyl chloride pressure pipe.

33 05 31 16 Polyvinyl Chloride Pressure Pipe for Water Transmission and Distribution (AWWA C900 and AWWA C905) *(33 05 31)*
See CSI section 33 14 13 23-0171 for AWWA C900 and 905 polyvinyl chloride pressure pipe.

33 05 33 Polyethylene Utility Pipe *(33 05)*

33 05 33 13 Corrugated-Wall, Smooth Interior HDPE Gravity Pipe *(33 05 33)*
See CSI section 33 42 11 00-0241 for corrugated-wall smooth interior HDPE gravity pipe.

33 05 33 23 Polyethylene Pressure Pipe and Tubing (AWWA C901 and AWWA C906) *(33 05 33)*
See CSI section 33 14 13 23-0426 for AWWA C906 high-density polyethylene pipe.

33 05 33 33 Corrugated, Perforated HDPE Drainage Pipe *(33 05 33)*
See CSI section 33 42 11 00-0263 for corrugated perforated HDPE drainage pipe.

33 05 33 36 Corrugated, Non-Perforated HDPE Drainage Pipe *(33 05 33)*
See CSI section 33 41 16 13-0002 for corrugated non-perforated HDPE drainage pipe.

33 05 33 53 HDPE Gas Utility Pipe *(33 05 33)*
See CSI section 33 52 16 26-0001 for high-density polyethylene gas utility pipe.

33 05 33 56 Medium-Density Polyethylene Gas Utility Pipe *(33 05 33)*
See CSI section 33 52 16 23-0000 for Medium-Density Polyethylene Gas Utility Pipe.

33 05 33 63 HDPE Communication Duct *(33 05 33)*

33 05 33 63-0001 ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine *(33 05 33 63)*
Note: Excludes boring.

33 05 33 63-0002	LF	1" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	3.83	
		For Up To 250, Add	*0.13*	
		For >250 To 500, Add	*0.08*	
33 05 33 63-0003	LF	1-1/4" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	4.30	
		For Up To 250, Add	*0.15*	
		For >250 To 500, Add	*0.10*	
33 05 33 63-0004	LF	1-1/2" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	4.66	
		For Up To 250, Add	*0.18*	
		For >250 To 500, Add	*0.12*	
33 05 33 63-0005	LF	2" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	5.12	
		For Up To 250, Add	*0.21*	
		For >250 To 500, Add	*0.14*	
33 05 33 63-0006	LF	3" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	6.94	
		For Up To 250, Add	*0.44*	
		For >250 To 500, Add	*0.29*	
33 05 33 63-0007	LF	4" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	8.82	
		For Up To 250, Add	*0.67*	
		For >250 To 500, Add	*0.45*	
33 05 33 63-0008	LF	1" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	3.92	
		For Up To 250, Add	*0.14*	
		For >250 To 500, Add	*0.09*	
33 05 33 63-0009	LF	1-1/4" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	4.46	
		For Up To 250, Add	*0.18*	
		For >250 To 500, Add	*0.12*	
33 05 33 63-0010	LF	1-1/2" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	4.79	
		For Up To 250, Add	*0.20*	
		For >250 To 500, Add	*0.13*	
33 05 33 63-0011	LF	2" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	5.46	
		For Up To 250, Add	*0.26*	
		For >250 To 500, Add	*0.17*	
33 05 33 63-0012	LF	3" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	7.69	
		For Up To 250, Add	*0.55*	
		For >250 To 500, Add	*0.37*	
33 05 33 63-0013	LF	4" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	9.76	
		For Up To 250, Add	*0.81*	
		For >250 To 500, Add	*0.54*	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 05 39 Concrete Pipe *(33 05)*

33 05 39 13 Prestressed Concrete Pressure Pipe, Steel-Cylinder Type (AWWA C301) *(33 05 39)*

See CSI section 33 42 11 00-0094 for prestressed concrete pressure pipe.

33 05 39 41 Reinforced Concrete Pipe for Sewers and Culverts *(33 05 39)*

See CSI section 33 42 11 00-0001 for reinforced concrete pipe.

33 05 39 46 Reinforced Concrete Elliptical Pipe for Sewers and Culverts *(33 05 39)*

See CSI section 33 42 11 00-0019 for reinforced concrete elliptical pipe.

33 05 41 Vitrified Clay Utility Pipe *(33 05)*

See CSI section 33 42 11 00-0367 for vitrified clay piping.

33 05 61 Concrete Manholes *(33 05)*

33 05 61 00-0001 Manholes *(33 05 61)*

33 05 61 00-0002 Precast Concrete Manholes *(33 05 61 00-0001)*

Note: Includes base, riser(s), reducer and openings. Excludes excavation, aggregate, backfill and frame/cover.
See CSI section 33 05 84 00-0002 for top slabs.

33 05 61 00-0003 3' Diameter, Precast Concrete Manholes *(33 05 61 00-0002)*

33 05 61 00-0004	EA	4' Deep, 3' Diameter, Precast Concrete Manhole	1,786.17	322.81
		For Bitumastic Coating, Add	*82.02*	
		For Epoxy Coating, Add	*156.73*	
33 05 61 00-0005	EA	6' Deep, 3' Diameter, Precast Concrete Manhole	2,434.81	463.68
		For Bitumastic Coating, Add	*123.03*	
		For Epoxy Coating, Add	*235.10*	
33 05 61 00-0006	EA	8' Deep, 3' Diameter, Precast Concrete Manhole	3,283.01	704.32
		For Bitumastic Coating, Add	*164.04*	
		For Epoxy Coating, Add	*313.46*	
33 05 61 00-0007	VLF	Riser For 3' Diameter, Precast Concrete Manhole Note: For depths greater than 8'.	347.80	82.17
		For Bitumastic Coating, Add	*20.50*	
		For Epoxy Coating, Add	*39.18*	
33 05 61 00-0008	VLF	Drop Collar For 3' Diameter, Precast Concrete Manhole	374.71	82.17
33 05 61 00-0009	EA	Drop Base For 3' Diameter, Precast Concrete Manhole	598.67	82.17
33 05 61 00-0010	EA	Extended Base Slab For 3' Diameter, Precast Concrete Manhole	478.40	82.17
33 05 61 00-0011	EA	Precast Channel For 3' Diameter, Precast Concrete Manhole	683.24	82.17

33 05 61 00-0012 4' Diameter, Precast Concrete Manholes *(33 05 61 00-0002)*

33 05 61 00-0013	EA	4' Deep, 4' Diameter, Precast Concrete Manhole	2,661.31	369.77
		For Bitumastic Coating, Add	*82.02*	
		For Epoxy Coating, Add	*156.73*	
33 05 61 00-0014	EA	6' Deep, 4' Diameter, Precast Concrete Manhole	3,550.92	504.76
		For Bitumastic Coating, Add	*123.03*	
		For Epoxy Coating, Add	*235.10*	
33 05 61 00-0015	EA	8' Deep, 4' Diameter, Precast Concrete Manhole	4,676.27	763.01
		For Bitumastic Coating, Add	*164.04*	
		For Epoxy Coating, Add	*313.46*	
33 05 61 00-0016	VLF	Riser For 4' Diameter, Precast Concrete Manhole Note: For depths greater than 8'.	499.08	96.85
		For Bitumastic Coating, Add	*20.50*	
		For Epoxy Coating, Add	*39.18*	
33 05 61 00-0017	VLF	Drop Collar For 4' Diameter, Precast Concrete Manhole	544.32	96.85
33 05 61 00-0018	EA	Drop Base For 4' Diameter, Precast Concrete Manhole	920.71	96.85
33 05 61 00-0019	EA	Extended Base Slab For 4' Diameter, Precast Concrete Manhole	718.58	96.85
33 05 61 00-0020	EA	Precast Channel For 4' Diameter, Precast Concrete Manhole	1,062.88	96.85

33 05 61 00-0021 5' Diameter, Precast Concrete Manholes *(33 05 61 00-0002)*

33 05 61 00-0022	EA	4' Deep, 5' Diameter, Precast Concrete Manhole	5,033.30	410.85
		For Bitumastic Coating, Add	*105.68*	
		For Epoxy Coating, Add	*252.67*	
33 05 61 00-0023	EA	6' Deep, 5' Diameter, Precast Concrete Manhole	6,701.64	563.45
		For Bitumastic Coating, Add	*158.51*	
		For Epoxy Coating, Add	*379.00*	
33 05 61 00-0024	EA	8' Deep, 5' Diameter, Precast Concrete Manhole	8,631.26	845.18
		For Bitumastic Coating, Add	*211.35*	
		For Epoxy Coating, Add	*505.33*	
33 05 61 00-0025	VLF	Riser For 5' Diameter, Precast Concrete Manhole Note: For depths greater than 8'.	894.71	105.65
		For Bitumastic Coating, Add	*26.42*	
		For Epoxy Coating, Add	*63.17*	

33 05 61 00-0026 6' Diameter, Precast Concrete Manholes *(33 05 61 00-0002)*

33 05 61 00-0027	EA	4' Deep, 6' Diameter, Precast Concrete Manhole	6,765.12	457.81
		For Bitumastic Coating, Add	*120.98*	
		For Epoxy Coating, Add	*295.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 61 00-0028	EA	6' Deep, 6' Diameter, Precast Concrete Manhole	8,807.76	622.15
		For Bitumastic Coating, Add	*181.48*	
		For Epoxy Coating, Add	*443.71*	
33 05 61 00-0029	EA	8' Deep, 6' Diameter, Precast Concrete Manhole	11,142.96	939.09
		For Bitumastic Coating, Add	*241.97*	
		For Epoxy Coating, Add	*591.61*	
33 05 61 00-0030	VLF	Riser For 6' Diameter, Precast Concrete Manhole	1,088.12	117.38
		Note: For depths greater than 8'.		
		For Bitumastic Coating, Add	*30.25*	
		For Epoxy Coating, Add	*73.95*	
33 05 61 00-0031		**7' Diameter, Precast Concrete Manholes** *(33 05 61 00-0002)*		
33 05 61 00-0032	EA	4' Deep, 7' Diameter, Precast Concrete Manhole	10,691.93	504.76
		For Bitumastic Coating, Add	*257.28*	
		For Epoxy Coating, Add	*516.90*	
33 05 61 00-0033	EA	6' Deep, 7' Diameter, Precast Concrete Manhole	13,821.86	688.47
		For Bitumastic Coating, Add	*385.91*	
		For Epoxy Coating, Add	*775.35*	
33 05 61 00-0034	EA	8' Deep, 7' Diameter, Precast Concrete Manhole	17,273.43	1,033.00
		For Bitumastic Coating, Add	*514.55*	
		For Epoxy Coating, Add	*1,033.80*	
33 05 61 00-0035	VLF	Riser For 7' Diameter, Precast Concrete Manhole	1,639.50	129.12
		Note: For depths greater than 8'.		
		For Bitumastic Coating, Add	*64.32*	
		For Epoxy Coating, Add	*129.22*	
33 05 61 00-0036		**8' Diameter, Precast Concrete Manholes** *(33 05 61 00-0002)*		
33 05 61 00-0037	EA	4' Deep, 8' Diameter, Precast Concrete Manhole	15,491.73	581.07
		For Bitumastic Coating, Add	*304.16*	
		For Epoxy Coating, Add	*630.05*	
33 05 61 00-0038	EA	6' Deep, 8' Diameter, Precast Concrete Manhole	20,082.46	792.36
		For Bitumastic Coating, Add	*456.23*	
		For Epoxy Coating, Add	*945.08*	
33 05 61 00-0039	EA	8' Deep, 8' Diameter, Precast Concrete Manhole	25,042.94	1,188.54
		For Bitumastic Coating, Add	*608.31*	
		For Epoxy Coating, Add	*1,260.11*	
33 05 61 00-0040	VLF	Riser For 8' Diameter, Precast Concrete Manhole	2,377.53	146.73
		Note: For depths greater than 8'.		
		For Bitumastic Coating, Add	*76.04*	
		For Epoxy Coating, Add	*157.51*	
33 05 61 00-0041		**10' Diameter, Precast Concrete Manholes** *(33 05 61 00-0002)*		
33 05 61 00-0042	EA	4' Deep, 10' Diameter, Precast Concrete Manhole	24,003.86	667.93
		For Bitumastic Coating, Add	*537.77*	
		For Epoxy Coating, Add	*1,065.80*	
33 05 61 00-0043	EA	6' Deep, 10' Diameter, Precast Concrete Manhole	30,334.70	910.92
		For Bitumastic Coating, Add	*806.66*	
		For Epoxy Coating, Add	*1,598.71*	
33 05 61 00-0044	EA	8' Deep, 10' Diameter, Precast Concrete Manhole	37,089.28	1,366.38
		For Bitumastic Coating, Add	*1,075.55*	
		For Epoxy Coating, Add	*2,131.61*	
33 05 61 00-0045	VLF	Riser For 10' Diameter, Precast Concrete Manhole	3,259.03	169.04
		Note: For depths greater than 8'.		
		For Bitumastic Coating, Add	*134.44*	
		For Epoxy Coating, Add	*266.45*	
33 05 61 00-0046		**12' Diameter, Precast Concrete Manholes** *(33 05 61 00-0002)*		
33 05 61 00-0047	EA	4' Deep, 12' Diameter, Precast Concrete Manhole	34,132.89	767.71
		For Bitumastic Coating, Add	*644.84*	
		For Epoxy Coating, Add	*1,289.77*	
33 05 61 00-0048	EA	6' Deep, 12' Diameter, Precast Concrete Manhole	43,080.36	1,048.26
		For Bitumastic Coating, Add	*967.26*	
		For Epoxy Coating, Add	*1,934.65*	
33 05 61 00-0049	EA	8' Deep, 12' Diameter, Precast Concrete Manhole	52,516.15	1,571.80
		For Bitumastic Coating, Add	*1,289.68*	
		For Epoxy Coating, Add	*2,579.53*	
33 05 61 00-0050	VLF	Riser For 12' Diameter, Precast Concrete Manhole	4,582.31	193.69
		Note: For depths greater than 8'.		
		For Bitumastic Coating, Add	*161.21*	
		For Epoxy Coating, Add	*322.44*	

33 05 63 Concrete Vaults and Chambers *(33 05)*

33 05 63 00-0001 Underground Utility Vaults And Structures *(33 05 63)*
See CSI section 33 05 61 00-0001 for manholes, 33 05 81 00-0006 for frames and covers.

33 05 63 00-0002 Precast Concrete Underground Utility Vault *(33 05 63 00-0001)*
Note: Sizes given are for inside dimensions.

33 05 63 00-0003 6' High Precast Concrete Underground Utility Vault *(33 05 63 00-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0004	EA	4' x 4' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	3,669.83	
33 05 63 00-0005	EA	4' x 6' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	4,783.67	
33 05 63 00-0006	EA	5' x 10' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	7,891.95	
33 05 63 00-0007	EA	5' x 12' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	9,112.53	
33 05 63 00-0008	EA	6' x 6' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	6,113.31	
33 05 63 00-0009	EA	6' x 8' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	7,441.74	
33 05 63 00-0010	EA	6' x 10' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,771.38	
33 05 63 00-0011	EA	6' x 12' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	12,672.98	
33 05 63 00-0012	EA	6' x 14' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	12,672.98	
33 05 63 00-0013	EA	6' x 16' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	15,957.26	
33 05 63 00-0014	EA	8' x 8' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,987.21	
33 05 63 00-0015	EA	8' x 10' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	10,531.50	
33 05 63 00-0016	EA	8' x 12' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	15,053.88	
33 05 63 00-0017	EA	8' x 14' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	16,943.08	

33 05 63 00-0018 7' High Precast Concrete Underground Utility Vault *(33 05 63 00-0002)*

33 05 63 00-0019	EA	4' x 4' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	4,160.05	
33 05 63 00-0020	EA	4' x 6' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	5,401.69	
33 05 63 00-0021	EA	4' x 8' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	6,451.74	
33 05 63 00-0022	EA	5' x 10' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,584.79	
33 05 63 00-0023	EA	5' x 12' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	9,898.51	
33 05 63 00-0024	EA	6' x 6' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	6,865.50	
33 05 63 00-0025	EA	6' x 8' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,089.20	
33 05 63 00-0026	EA	6' x 10' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	9,793.16	
33 05 63 00-0027	EA	6' x 12' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	13,781.48	
33 05 63 00-0028	EA	6' x 16' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	17,312.23	
33 05 63 00-0029	EA	8' x 8' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	9,726.59	
33 05 63 00-0030	EA	8' x 10' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	11,362.88	
33 05 63 00-0031	EA	8' x 12' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	16,286.29	
33 05 63 00-0032	EA	8' x 14' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	18,296.87	
33 05 63 00-0033	EA	10' x 10' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	16,531.87	

33 05 63 00-0034 8' High Precast Concrete Underground Utility Vault *(33 05 63 00-0002)*

33 05 63 00-0035	EA	4' x 4' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	4,409.23	
33 05 63 00-0036	EA	4' x 6' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	5,708.21	
33 05 63 00-0037	EA	5' x 10' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	9,277.61	
33 05 63 00-0038	EA	5' x 12' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	10,683.31	
33 05 63 00-0039	EA	6' x 6' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	7,221.82	
33 05 63 00-0040	EA	6' x 8' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,735.44	
33 05 63 00-0041	EA	6' x 10' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	10,249.07	
33 05 63 00-0042	EA	6' x 12' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	14,889.95	
33 05 63 00-0043	EA	6' x 16' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	18,667.26	
33 05 63 00-0044	EA	8' x 8' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	10,464.83	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0045	EA	8' x 10' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	12,194.25	
33 05 63 00-0046	EA	8' x 12' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	17,517.44	
33 05 63 00-0047	EA	8' x 14' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	19,651.90	
33 05 63 00-0048	EA	10' x 10' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	17,763.91	
33 05 63 00-0049		10' High Precast Concrete Underground Utility Vault *(33 05 63 00-0002)*		
33 05 63 00-0050	EA	6' x 6' x 10' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	7,776.10	
33 05 63 00-0051	EA	6' x 8' x 10' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	9,381.67	
33 05 63 00-0052	EA	10' x 10' x 10' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	18,995.00	
33 05 63 00-0053		12' High Precast Concrete Underground Utility Vault *(33 05 63 00-0002)*		
33 05 63 00-0054	EA	6' x 6' x 12' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,330.36	
33 05 63 00-0055	EA	6' x 8' x 12' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	10,029.10	
33 05 63 00-0056		Meter Pit *(33 05 63 00-0001)*		
33 05 63 00-0057		Precast Concrete Meter Pit *(33 05 63 00-0056)*		
33 05 63 00-0058	EA	4' x 4' x 4' Deep Precast Concrete Meter Pit	3,721.21	
33 05 63 00-0059	EA	4' x 4' x 6' Deep Precast Concrete Meter Pit	5,049.62	
33 05 63 00-0060	EA	4' x 4' x 8' Deep Precast Concrete Meter Pit	6,345.38	
33 05 63 00-0061	EA	4' x 4' x 10' Deep Precast Concrete Meter Pit	7,865.00	
33 05 63 00-0062	EA	4' x 4' x 15' Deep Precast Concrete Meter Pit	10,881.28	
33 05 63 00-0063	EA	6' x 6' x 4' Deep Precast Concrete Meter Pit	5,646.34	
33 05 63 00-0064	EA	6' x 6' x 6' Deep Precast Concrete Meter Pit	7,865.00	
33 05 63 00-0065	EA	6' x 6' x 8' Deep Precast Concrete Meter Pit	10,138.77	
33 05 63 00-0066	EA	6' x 6' x 10' Deep Precast Concrete Meter Pit	12,648.25	
33 05 63 00-0067	EA	6' x 6' x 15' Deep Precast Concrete Meter Pit	18,011.12	
33 05 63 00-0068		Handhole Or Pull Box Enclosures *(33 05 63 00-0001)*		
33 05 63 00-0069		Polymer Concrete Handhole Enclosures *(33 05 63 00-0068)*		
33 05 63 00-0070		Polymer Concrete Handhole Enclosures *(33 05 63 00-0069)* Note: Excludes cover See CSI section 33 05 63 00-0290 for covers.		
33 05 63 00-0071		Flared Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0070)*		
33 05 63 00-0072		Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0071)*		
33 05 63 00-0073	EA	12" x 12", 24" Depth, 15,000 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	400.31	26.89
33 05 63 00-0074	EA	10" x 15", 18" Depth, 15,000 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	339.21	59.72
33 05 63 00-0075	EA	13" x 24", 18" Depth, 15,000 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	518.18	89.59
33 05 63 00-0076	EA	17" x 30", 18" Depth, 15,000 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	604.88	89.59
33 05 63 00-0077	EA	13" x 24", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	576.23	89.59
33 05 63 00-0078	EA	13" x 24", 26" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	701.28	89.59
33 05 63 00-0079	EA	17" x 30", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	682.41	89.59
33 05 63 00-0080	EA	17" x 30", 26" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	935.62	89.59
33 05 63 00-0081	EA	27" Round, 36" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,330.27	119.45
33 05 63 00-0082	EA	27" Round, 48" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,875.20	119.45
33 05 63 00-0083	EA	24" x 36", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,197.88	164.24
33 05 63 00-0084	EA	24" x 36", 26" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,368.53	164.24
33 05 63 00-0085	EA	24" x 36", 48" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	2,256.28	164.24
33 05 63 00-0086	EA	39" Round, 18" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,278.52	179.17
33 05 63 00-0087	EA	39" Round, 24" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,837.50	179.17
33 05 63 00-0088	EA	39" Round, 36" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	2,294.62	179.17

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0089	EA	39" Round, 48" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	3,375.79	179.17
33 05 63 00-0090	EA	30" x 48", 24" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,830.25	267.33
33 05 63 00-0091	EA	30" x 48", 48" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	2,671.55	267.33
33 05 63 00-0092		Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0071)*		
33 05 63 00-0093	EA	12" x 12", 24" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	513.58	26.89
33 05 63 00-0094	EA	13" x 24", 18" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	653.08	89.59
33 05 63 00-0095	EA	17" x 30", 18" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	792.65	89.59
33 05 63 00-0096	EA	13" x 24", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	730.18	89.59
33 05 63 00-0097	EA	13" x 24", 26" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	837.05	89.59
33 05 63 00-0098	EA	17" x 30", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	865.08	89.59
33 05 63 00-0099	EA	17" x 30", 26" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,119.86	89.59
33 05 63 00-0100	EA	24" x 36", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,484.75	164.24
33 05 63 00-0101	EA	24" x 36", 26" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,655.40	164.24
33 05 63 00-0102	EA	24" x 36", 48" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	2,543.18	164.24
33 05 63 00-0103	EA	30" x 48", 24" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	2,165.48	267.33
33 05 63 00-0104	EA	30" x 48", 48" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	3,013.18	267.33
33 05 63 00-0105		Straight Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0070)*		
33 05 63 00-0106		Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0105)*		
33 05 63 00-0107	EA	5" x 16", 12" Depth, 5,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	659.34	26.89
33 05 63 00-0108	EA	10" x 12", 15" Depth, 5,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	556.82	26.89
33 05 63 00-0109	EA	13" x 24", 12" Depth, 5,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	442.52	89.59
33 05 63 00-0110	EA	17" x 30", 12" Depth, 5,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	503.01	89.59
33 05 63 00-0111	EA	6" x 8", 6" Depth, 15,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	151.86	26.89
33 05 63 00-0112	EA	12" x 12", 12" Depth, 15,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	237.59	26.89
33 05 63 00-0113	EA	8" x 18", 7" Depth, 15,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	386.39	26.89
33 05 63 00-0114	EA	8" x 18", 8" Depth, 15,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	404.40	26.89
33 05 63 00-0115	EA	11" x 18", 12" Depth, 15,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	332.93	59.72
33 05 63 00-0116	EA	11" x 18", 18" Depth, 15,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	360.55	59.72
33 05 63 00-0117	EA	8" x 8", 12" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	233.91	26.89
33 05 63 00-0118	EA	8" x 8", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	267.65	26.89
33 05 63 00-0119	EA	11" x 18", 12" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	357.68	59.72
33 05 63 00-0120	EA	11" x 18", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	404.12	59.72
33 05 63 00-0121	EA	11" x 20", 12" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	374.06	59.72
33 05 63 00-0122	EA	13" x 24", 12" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	445.33	89.59
33 05 63 00-0123	EA	13" x 24", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	490.88	89.59
33 05 63 00-0124	EA	17" x 30", 12" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	524.76	89.59
33 05 63 00-0125	EA	17" x 30", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	575.77	89.59
33 05 63 00-0126	EA	17" x 30", 22" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	677.51	89.59
33 05 63 00-0127	EA	17" x 30", 24" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	739.22	89.59
33 05 63 00-0128	EA	17" x 30", 28" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	806.75	89.59
33 05 63 00-0129	EA	17" x 30", 30" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	849.21	89.59
33 05 63 00-0130	EA	24" x 24", 24" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,010.17	119.45
33 05 63 00-0131	EA	24" x 36", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,013.02	164.24

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0132	EA	24" x 36", 24" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,308.77	164.24
33 05 63 00-0133	EA	24" x 36", 30" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,581.86	164.24
33 05 63 00-0134	EA	24" x 36", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,754.32	164.24
33 05 63 00-0135	EA	24" x 36", 42" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,925.87	164.24
33 05 63 00-0136	EA	36" x 36", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,158.47	267.33
33 05 63 00-0137	EA	30" x 48", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,553.88	267.33
33 05 63 00-0138	EA	30" x 48", 24" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,772.92	267.33
33 05 63 00-0139	EA	30" x 48", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,191.77	267.33
33 05 63 00-0140	EA	30" x 60", 21" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,187.47	267.33
33 05 63 00-0141	EA	30" x 60", 30" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,343.82	267.33
33 05 63 00-0142	EA	30" x 60", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,644.50	267.33
33 05 63 00-0143	EA	36" x 60", 19" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,422.61	286.43
33 05 63 00-0144	EA	36" x 60", 24" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,634.90	286.43
33 05 63 00-0145	EA	36" x 60", 31" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,905.93	286.43
33 05 63 00-0146	EA	36" x 60", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,014.38	286.43
33 05 63 00-0147	EA	48" x 48", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,052.08	286.43
33 05 63 00-0148	EA	48" x 48", 48" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,465.05	286.43
33 05 63 00-0149	EA	36" x 72", 21" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,663.04	286.43
33 05 63 00-0150	EA	36" x 72", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,533.21	286.43
33 05 63 00-0151	EA	48" x 72", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,980.99	305.52
33 05 63 00-0152	EA	48" x 72", 48" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	4,927.77	305.52
33 05 63 00-0153	EA	48" x 96", 48" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	6,338.76	305.52
33 05 63 00-0154		**Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures** *(33 05 63 00-0105)*		
33 05 63 00-0155	EA	13" x 24", 12" Depth, 5,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	599.57	89.59
33 05 63 00-0156	EA	17" x 30", 12" Depth, 5,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	689.31	89.59
33 05 63 00-0157	EA	6" x 8", 6" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	259.42	26.89
33 05 63 00-0158	EA	12" x 12", 12" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	376.59	26.89
33 05 63 00-0159	EA	8" x 18", 7" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	506.11	26.89
33 05 63 00-0160	EA	8" x 18", 8" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	524.14	26.89
33 05 63 00-0161	EA	10" x 15", 18" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	450.86	59.72
33 05 63 00-0162	EA	11" x 18", 12" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	470.08	59.72
33 05 63 00-0163	EA	11" x 18", 18" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	495.78	59.72
33 05 63 00-0164	EA	8" x 8", 12" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	351.19	26.89
33 05 63 00-0165	EA	8" x 8", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	415.69	26.89
33 05 63 00-0166	EA	11" x 18", 12" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	495.16	59.72
33 05 63 00-0167	EA	11" x 18", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	541.60	59.72
33 05 63 00-0168	EA	11" x 20", 12" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	513.00	59.72
33 05 63 00-0169	EA	13" x 24", 12" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	598.71	89.59
33 05 63 00-0170	EA	13" x 24", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	644.82	89.59
33 05 63 00-0171	EA	17" x 30", 12" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	707.78	89.59
33 05 63 00-0172	EA	17" x 30", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	758.47	89.59

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0173	EA	17" x 30", 22" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	859.91	89.59
33 05 63 00-0174	EA	17" x 30", 24" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	921.89	89.59
33 05 63 00-0175	EA	17" x 30", 28" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	989.13	89.59
33 05 63 00-0176	EA	17" x 30", 30" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,031.89	89.59
33 05 63 00-0177	EA	24" x 24", 24" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,262.51	119.45
33 05 63 00-0178	EA	24" x 36", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,299.91	164.24
33 05 63 00-0179	EA	24" x 36", 24" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,595.32	164.24
33 05 63 00-0180	EA	24" x 36", 30" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,868.11	164.24
33 05 63 00-0181	EA	24" x 36", 36" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,040.30	164.24
33 05 63 00-0182	EA	24" x 36", 42" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,212.41	164.24
33 05 63 00-0183	EA	30" x 48", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,885.95	267.33
33 05 63 00-0184	EA	30" x 48", 24" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,105.31	267.33
33 05 63 00-0185	EA	30" x 48", 36" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,523.84	267.33

33 05 63 00-0186 Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0105)*

33 05 63 00-0187	EA	13" x 24", 12" Depth, 5,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	549.42	89.59
33 05 63 00-0188	EA	17" x 30", 12" Depth, 5,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	641.65	89.59
33 05 63 00-0189	EA	6" x 8", 6" Depth, 15,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	190.86	26.89
33 05 63 00-0190	EA	12" x 12", 12" Depth, 15,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	316.39	26.89
33 05 63 00-0191	EA	8" x 18", 7" Depth, 15,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	456.01	26.89
33 05 63 00-0192	EA	8" x 18", 8" Depth, 15,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	474.37	26.89
33 05 63 00-0193	EA	11" x 18", 12" Depth, 15,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	417.88	59.72
33 05 63 00-0194	EA	11" x 18", 18" Depth, 15,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	471.33	59.72
33 05 63 00-0195	EA	8" x 8", 18" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	276.42	26.89
33 05 63 00-0196	EA	11" x 18", 12" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	444.14	59.72
33 05 63 00-0197	EA	11" x 18", 18" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	510.73	59.72
33 05 63 00-0198	EA	11" x 20", 12" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	461.45	59.72
33 05 63 00-0199	EA	13" x 24", 12" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	591.64	89.59
33 05 63 00-0200	EA	13" x 24", 18" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	682.68	89.59
33 05 63 00-0201	EA	17" x 30", 12" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	712.95	89.59
33 05 63 00-0202	EA	17" x 30", 18" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	785.04	89.59
33 05 63 00-0203	EA	17" x 30", 22" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	851.35	89.59
33 05 63 00-0204	EA	17" x 30", 24" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	913.96	89.59
33 05 63 00-0205	EA	17" x 30", 28" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,026.06	89.59
33 05 63 00-0206	EA	17" x 30", 30" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,041.69	89.59
33 05 63 00-0207	EA	24" x 24", 24" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,282.07	119.45
33 05 63 00-0208	EA	24" x 36", 18" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,325.26	164.24
33 05 63 00-0209	EA	24" x 36", 24" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,651.50	164.24
33 05 63 00-0210	EA	24" x 36", 30" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,974.15	164.24
33 05 63 00-0211	EA	24" x 36", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,188.45	164.24
33 05 63 00-0212	EA	24" x 36", 42" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,402.75	164.24
33 05 63 00-0213	EA	36" x 36", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,557.74	267.33
33 05 63 00-0214	EA	30" x 48", 18" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,953.18	267.33
33 05 63 00-0215	EA	30" x 48", 24" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,189.31	267.33

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0216	EA	30" x 48", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,607.87	267.33
33 05 63 00-0217	EA	30" x 60", 21" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,792.49	267.33
33 05 63 00-0218	EA	30" x 60", 30" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,850.30	267.33
33 05 63 00-0219	EA	30" x 60", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,411.16	267.33
33 05 63 00-0220	EA	36" x 60", 19" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,156.55	286.43
33 05 63 00-0221	EA	36" x 60", 24" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,266.24	286.43
33 05 63 00-0222	EA	36" x 60", 31" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,577.40	286.43
33 05 63 00-0223	EA	36" x 60", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,812.91	286.43
33 05 63 00-0224	EA	36" x 72", 21" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,498.12	286.43
33 05 63 00-0225	EA	36" x 72", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	4,340.37	286.43
33 05 63 00-0226	EA	48" x 48", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,760.35	286.43
33 05 63 00-0227	EA	48" x 48", 48" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	4,138.26	286.43
33 05 63 00-0228	EA	48" x 72", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	5,020.48	305.52
33 05 63 00-0229	EA	48" x 72", 48" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	5,967.64	305.52
33 05 63 00-0230	EA	48" x 96", 48" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	8,069.55	305.52
33 05 63 00-0231		**Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures** *(33 05 63 00-0105)*		
33 05 63 00-0232	EA	13" x 24", 12" Depth, 5,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	706.45	89.59
33 05 63 00-0233	EA	17" x 30", 12" Depth, 5,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	828.31	89.59
33 05 63 00-0234	EA	6" x 8", 6" Depth, 15,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	297.55	26.89
33 05 63 00-0235	EA	12" x 12", 12" Depth, 15,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	455.12	26.89
33 05 63 00-0236	EA	8" x 18", 7" Depth, 15,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	575.48	26.89
33 05 63 00-0237	EA	8" x 18", 8" Depth, 15,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	594.08	26.89
33 05 63 00-0238	EA	11" x 18", 12" Depth, 15,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	555.36	59.72
33 05 63 00-0239	EA	11" x 18", 18" Depth, 15,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	608.48	59.72
33 05 63 00-0240	EA	8" x 8", 18" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	428.88	26.89
33 05 63 00-0241	EA	11" x 18", 12" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	581.00	59.72
33 05 63 00-0242	EA	11" x 18", 18" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	647.59	59.72
33 05 63 00-0243	EA	11" x 20", 12" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	561.15	59.72
33 05 63 00-0244	EA	13" x 24", 12" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	745.64	89.59
33 05 63 00-0245	EA	13" x 24", 18" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	836.68	89.59
33 05 63 00-0246	EA	17" x 30", 12" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	895.63	89.59
33 05 63 00-0247	EA	17" x 30", 18" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	967.74	89.59
33 05 63 00-0248	EA	17" x 30", 22" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,034.03	89.59
33 05 63 00-0249	EA	17" x 30", 24" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,096.66	89.59
33 05 63 00-0250	EA	17" x 30", 28" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,208.79	89.59
33 05 63 00-0251	EA	17" x 30", 30" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,224.36	89.59
33 05 63 00-0252	EA	24" x 24", 24" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,534.09	119.45
33 05 63 00-0253	EA	24" x 36", 18" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,612.13	164.24
33 05 63 00-0254	EA	24" x 36", 24" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,938.08	164.24
33 05 63 00-0255	EA	24" x 36", 30" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,260.37	164.24
33 05 63 00-0256	EA	24" x 36", 36" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,474.83	164.24

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0257	EA	24" x 36", 42" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,689.30	164.24
33 05 63 00-0258	EA	30" x 48", 18" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,285.55	267.33
33 05 63 00-0259	EA	30" x 48", 24" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,522.00	267.33
33 05 63 00-0260	EA	30" x 48", 36" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,940.26	267.33
33 05 63 00-0261		**Footed, Straight Sides, Polymer Concrete Handhole Enclosures** *(33 05 63 00-0105)*		
33 05 63 00-0262	EA	17" x 30", 12" Depth, 5,000 Lb. Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	587.71	89.59
33 05 63 00-0263	EA	11" x 18", 12" Depth, 15,000 Lb. Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	397.08	59.72
33 05 63 00-0264	EA	11" x 18", 18" Depth, 15,000 Lb. Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	448.42	59.72
33 05 63 00-0265	EA	13" x 24", 12" Depth, 15,000 Lb. Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	521.07	89.59
33 05 63 00-0266	EA	11" x 18", 12" Depth, 22,500 Lb. Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	413.90	59.72
33 05 63 00-0267	EA	11" x 18", 18" Depth, 22,500 Lb. Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	463.07	59.72
33 05 63 00-0268		**Polymer Concrete Handhole Enclosure Extensions** *(33 05 63 00-0069)*		
		Note: Excludes bases See CSI section 33 05 63 00-0070 for bases.		
33 05 63 00-0269	EA	13" x 24", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	425.49	89.59
33 05 63 00-0270	EA	17" x 30", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	478.99	89.59
33 05 63 00-0271	EA	24" x 24", 6" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	547.07	119.45
33 05 63 00-0272	EA	24" x 24", 12" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	599.60	119.45
33 05 63 00-0273	EA	24" x 36", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	706.67	164.24
33 05 63 00-0274	EA	36" x 36", 12" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	1,242.26	267.33
33 05 63 00-0275	EA	30" x 48", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	1,184.83	267.33
33 05 63 00-0276	EA	30" x 48", 11" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	1,197.36	267.33
33 05 63 00-0277	EA	36" x 60", 12" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	1,629.09	286.43
33 05 63 00-0278	EA	48" x 72", 12" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	2,613.70	305.52
33 05 63 00-0279	EA	48" x 96", 12" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	3,448.00	305.52
33 05 63 00-0280	EA	13" x 24", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	706.24	89.59
33 05 63 00-0281	EA	17" x 30", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	738.92	89.59
33 05 63 00-0282	EA	24" x 24", 6" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	786.55	119.45
33 05 63 00-0283	EA	24" x 24", 12" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	839.65	119.45
33 05 63 00-0284	EA	24" x 36", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	969.34	164.24
33 05 63 00-0285	EA	30" x 48", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	1,556.02	267.33
33 05 63 00-0286	EA	13" x 24", 3" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	546.45	89.59
33 05 63 00-0287	EA	17" x 30", 3" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	610.92	89.59
33 05 63 00-0288	EA	24" x 36", 4" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	799.18	164.24
33 05 63 00-0289	EA	36" x 60", 3" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	1,567.60	286.43
33 05 63 00-0290		**Polymer Concrete Handhole Enclosure Covers** *(33 05 63 00-0069)*		
33 05 63 00-0291		**Polymer Concrete Handhole Enclosure Covers** *(33 05 63 00-0290)*		
33 05 63 00-0292	EA	5" x 16", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	154.88	11.96
33 05 63 00-0293	EA	10" x 12", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	156.94	11.96
33 05 63 00-0294	EA	12" x 12", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	145.16	11.96
33 05 63 00-0295	EA	8" x 18", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	157.34	11.96
33 05 63 00-0296	EA	11" x 18", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	158.91	11.94
33 05 63 00-0297	EA	13" x 24", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	182.90	11.94
33 05 63 00-0298	EA	17" x 30", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	212.57	11.94
33 05 63 00-0299	EA	30" x 59", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,407.99	34.37
33 05 63 00-0300	EA	30" x 60", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,231.03	34.37
33 05 63 00-0301	EA	36" x 60", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,847.40	34.37
33 05 63 00-0302	EA	48" x 48", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,868.41	34.37
33 05 63 00-0303	EA	36" x 72", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	2,117.81	34.37
33 05 63 00-0304	EA	48" x 72", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	2,308.31	34.37
33 05 63 00-0305	EA	48" x 96", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	3,714.77	34.37
33 05 63 00-0306	EA	10" x 15", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	132.07	11.94

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0307	EA	11" x 18", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	190.97	11.94
33 05 63 00-0308	EA	11" x 20", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	193.70	11.94
33 05 63 00-0309	EA	13" x 24", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	244.74	11.94
33 05 63 00-0310	EA	13" x 24", 8,000 Lb. Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover	183.65	11.94
33 05 63 00-0311	EA	17" x 30", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	290.26	11.94
33 05 63 00-0312	EA	17" x 30", 8,000 Lb. Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover	227.03	11.94
33 05 63 00-0313	EA	27" Round, 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	470.15	11.94
33 05 63 00-0314	EA	24" x 24", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	409.45	17.92
33 05 63 00-0315	EA	24" x 36", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	514.68	17.92
33 05 63 00-0316	EA	39" Round, 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	664.09	20.90
33 05 63 00-0317	EA	36" x 36", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	932.63	26.73
33 05 63 00-0318	EA	30" x 48", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	968.32	50.92
33 05 63 00-0319	EA	11" x 18", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	247.80	11.94
33 05 63 00-0320	EA	13" x 24", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	355.04	11.94
33 05 63 00-0321	EA	17" x 30", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	404.54	11.94
33 05 63 00-0322	EA	27" Round, 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	675.32	11.94
33 05 63 00-0323	EA	24" x 24", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	554.10	17.92
33 05 63 00-0324	EA	39" Round, 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	939.62	20.90
33 05 63 00-0325	EA	36" x 36", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,231.09	26.73
33 05 63 00-0326	EA	30" x 59", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,661.69	34.37
33 05 63 00-0327	EA	30" x 60", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,476.29	34.37
33 05 63 00-0328	EA	36" x 60", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	2,065.87	34.37
33 05 63 00-0329	EA	48" x 48", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	2,692.90	34.37
33 05 63 00-0330	EA	36" x 72", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	2,578.52	34.37
33 05 63 00-0331	EA	48" x 72", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	3,918.97	34.37
33 05 63 00-0332	EA	48" x 96", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	6,058.46	34.37
33 05 63 00-0333	EA	11" x 18", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	327.25	11.94
33 05 63 00-0334	EA	11" x 20", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	358.23	11.94
33 05 63 00-0335	EA	13" x 24", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	472.96	11.94
33 05 63 00-0336	EA	17" x 30", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	539.55	11.94
33 05 63 00-0337	EA	27" Round, 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	935.52	11.94
33 05 63 00-0338	EA	24" x 24", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	676.72	17.92
33 05 63 00-0339	EA	24" x 36", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	927.41	17.92
33 05 63 00-0340	EA	39" Round, 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,440.22	20.90
33 05 63 00-0341	EA	36" x 36", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,646.56	26.73
33 05 63 00-0342	EA	30" x 48", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,712.20	50.92
33 05 63 00-0343	EA	30" x 60", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,980.90	34.37
33 05 63 00-0344	EA	36" x 60", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	2,769.18	34.37
33 05 63 00-0345	EA	48" x 48", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	3,877.95	34.37
33 05 63 00-0346	EA	36" x 72", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	3,459.50	34.37
33 05 63 00-0347	EA	48" x 72", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	5,739.28	34.37
33 05 63 00-0348	EA	48" x 96", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	8,863.76	34.37

33 05 63 00-0349 Polymer Concrete Handhole Enclosure Covers With Gaskets *(33 05 63 00-0290)*

33 05 63 00-0350	EA	12" x 12", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	178.47	11.96
33 05 63 00-0351	EA	8" x 18", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	188.84	11.96
33 05 63 00-0352	EA	11" x 18", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	192.21	11.94
33 05 63 00-0353	EA	13" x 24", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	193.48	11.94
33 05 63 00-0354	EA	17" x 30", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	223.89	11.94
33 05 63 00-0355	EA	10" x 15", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	141.63	11.94
33 05 63 00-0356	EA	11" x 18", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	200.77	11.94
33 05 63 00-0357	EA	11" x 20", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	202.66	11.94
33 05 63 00-0358	EA	13" x 24", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	254.84	11.94
33 05 63 00-0359	EA	13" x 24", 8,000 Lb. Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover With Gasket	194.65	11.94
33 05 63 00-0360	EA	17" x 30", 8,000 Lb. Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover With Gasket	238.65	11.94
33 05 63 00-0361	EA	17" x 30", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	300.96	11.94
33 05 63 00-0362	EA	24" x 24", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	416.63	17.92
33 05 63 00-0363	EA	24" x 36", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	525.70	17.92
33 05 63 00-0364	EA	30" x 48", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	979.64	50.92
33 05 63 00-0365	EA	6" x 8", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	117.32	11.96
33 05 63 00-0366	EA	8" x 8", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	185.59	11.96
33 05 63 00-0367	EA	8" x 18", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	206.87	11.96
33 05 63 00-0368	EA	12" x 12", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	197.42	11.96
33 05 63 00-0369	EA	10" x 15", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	161.96	11.94
33 05 63 00-0370	EA	11" x 18", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	257.58	11.94
33 05 63 00-0371	EA	11" x 20", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	279.68	11.94
33 05 63 00-0372	EA	13" x 24", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	365.43	11.94
33 05 63 00-0373	EA	17" x 30", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	415.83	11.94
33 05 63 00-0374	EA	24" x 24", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	564.20	17.92
33 05 63 00-0375	EA	24" x 36", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	705.91	17.92
33 05 63 00-0376	EA	30" x 48", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	1,292.75	50.92

33 05 63 00-0377 Polymer Concrete Handhole Enclosure Covers Without Bolts *(33 05 63 00-0290)*

33 05 63 00-0378	EA	6" x 9", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	93.84	11.96
33 05 63 00-0379	EA	7" x 13", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	112.20	11.96
33 05 63 00-0380	EA	12" x 12", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	136.93	11.96
33 05 63 00-0381	EA	8" x 18", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	147.92	11.96

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0382	EA	11" x 18", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	147.61	11.94
33 05 63 00-0383	EA	13" x 24", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	175.77	11.94
33 05 63 00-0384	EA	17" x 30", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	203.45	11.94
33 05 63 00-0385	EA	24" x 36", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	496.64	17.92
33 05 63 00-0386	EA	30" x 48", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	927.11	50.92
33 05 63 00-0387	EA	30" x 59", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,392.53	34.37
33 05 63 00-0388	EA	30" x 60", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,213.57	34.37
33 05 63 00-0389	EA	48" x 48", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,818.67	34.37
33 05 63 00-0390	EA	36" x 60", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,754.68	34.37
33 05 63 00-0391	EA	36" x 72", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	2,101.13	34.37
33 05 63 00-0392	EA	48" x 72", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	2,246.67	34.37
33 05 63 00-0393	EA	48" x 96", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	3,596.33	34.37
33 05 63 00-0394	EA	10" x 15", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	126.84	11.94
33 05 63 00-0395	EA	10" x 16", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	123.78	11.94
33 05 63 00-0396	EA	11" x 20", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	184.36	11.94
33 05 63 00-0397	EA	11" x 21", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	202.91	11.94
33 05 63 00-0398	EA	13" x 24", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	230.09	11.94
33 05 63 00-0399	EA	13" x 24", 8,000 Lb. Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover Without Bolts	174.18	11.94
33 05 63 00-0400	EA	18" x 19", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	194.65	11.94
33 05 63 00-0401	EA	17" x 30", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	277.43	11.94
33 05 63 00-0402	EA	24" x 24", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	401.14	17.92
33 05 63 00-0403	EA	20" x 42", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	502.36	17.92
33 05 63 00-0404	EA	24" x 36", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	496.34	17.92
33 05 63 00-0405	EA	36" x 36", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	895.05	26.73
33 05 63 00-0406	EA	30" x 48", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	927.11	30.55

33 05 63 00-0407 Overlapping, Polymer Concrete Handhole Enclosure Covers *(33 05 63 00-0290)*

33 05 63 00-0408	EA	30" x 60", 5,000 Lb. Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,450.18	34.37
33 05 63 00-0409	EA	36" x 60", 5,000 Lb. Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	2,103.27	34.37
33 05 63 00-0410	EA	30" x 48", 8,000 Lb. Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,216.36	50.92
33 05 63 00-0411	EA	30" x 48", 15,000 Lb. Design Load, Heavy-Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,615.04	50.92
33 05 63 00-0412	EA	30" x 60", 15,000 Lb. Design Load, Heavy-Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,724.41	34.37
33 05 63 00-0413	EA	36" x 60", 15,000 Lb. Design Load, Heavy-Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	2,352.96	34.37

33 05 63 00-0414 Split, Polymer Concrete Handhole Enclosure Covers *(33 05 63 00-0290)*

33 05 63 00-0415	EA	24" x 36", 8,000 Lb. Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	564.39	17.92
33 05 63 00-0416	EA	36" x 36", 8,000 Lb. Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	1,050.26	26.73
33 05 63 00-0417	EA	30" x 48", 8,000 Lb. Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	1,097.57	50.92
33 05 63 00-0418	EA	6" x 8", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	88.73	11.96
33 05 63 00-0419	EA	8" x 8", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	148.90	11.96
33 05 63 00-0420	EA	12" x 12", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	164.11	11.96
33 05 63 00-0421	EA	8" x 18", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	174.19	11.96
33 05 63 00-0422	EA	10" x 15", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	152.49	11.94
33 05 63 00-0423	EA	11" x 20", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	270.71	11.94
33 05 63 00-0424	EA	24" x 36", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	757.68	17.92
33 05 63 00-0425	EA	36" x 36", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	1,398.85	26.73
33 05 63 00-0426	EA	30" x 48", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	1,465.38	50.92

33 05 63 00-0427 Precast Concrete Handholes With Steel Cover *(33 05 63 00-0068)*

Note: 8000 To 12000 pound traffic rated top. Includes cover stamped with utility (Electrical, Sewer, Water, Etc.).

33 05 63 00-0428	EA	12" x 12" x 12" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	1,035.29	250.48
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*18.00*	
33 05 63 00-0429	EA	12" x 24" x 21" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	1,770.48	375.72
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*109.48*	
33 05 63 00-0430	EA	18" x 30" x 18" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	2,116.06	500.96
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*192.32*	
33 05 63 00-0431	EA	24" x 24" x 24" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	2,211.14	500.96
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*243.29*	
33 05 63 00-0432	EA	24" x 24" x 30" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	2,574.87	626.21
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*293.19*	
33 05 63 00-0433	EA	30" x 36" x 30" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	2,732.46	626.21
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*321.64*	
33 05 63 00-0434	EA	36" x 36" x 48" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	3,137.93	751.44
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*376.00*	
33 05 63 00-0435	EA	48" x 48" x 48" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	3,593.96	876.68
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*523.70*	
33 05 63 00-0436	EA	48" x 72" x 36" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	3,606.74	751.44
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*565.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0437	EA	54" x 38" x 24" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	3,647.06	751.44
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*395.12*	
33 05 63 00-0438	EA	6" Diameter Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	777.08	250.48
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*15.00*	
33 05 63 00-0439	EA	9" Diameter Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	924.63	281.79
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*15.00*	
33 05 63 00-0440	EA	12" Diameter Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	1,157.06	313.10
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*15.00*	

33 05 81 Metallic Castings for Utility Structures *(33 05)*

33 05 81 00-0001 Manhole Accessories *(33 05 81)*

33 05 81 00-0002 Steps For Cast-In-Place Manholes *(33 05 81 00-0001)*

See CSI section 33 01 30 81-0037 for installation of steps in existing manholes.

33 05 81 00-0003	EA	Cast Iron Manhole Step For New Manholes	88.53	
33 05 81 00-0004	EA	Galvanized Steel Manhole Step For New Manholes	68.95	
33 05 81 00-0005	EA	Aluminum Manhole Step For New Manholes	98.55	

33 05 81 00-0006 Manhole Covers And Frames *(33 05 81)*

Note: Includes moisture-tight masonry joints and waterproof grouting.

33 05 81 00-0007 Regular Manhole Covers And Frames *(33 05 81 00-0006)*

33 05 81 00-0008	EA	18" Square, Gray Iron, Manhole Cover With Frame	3,509.82	100.95
		For Ductile Iron Castings, Add	*2,243.23*	
33 05 81 00-0009	EA	18" Diameter, Gray Iron, Manhole Cover With Frame	1,860.72	100.95
		For Ductile Iron Castings, Add	*1,088.86*	
33 05 81 00-0010	EA	22" Diameter, Gray Iron, Manhole Cover With Frame	1,991.00	105.65
		For Ductile Iron Castings, Add	*1,171.84*	
33 05 81 00-0011	EA	24" Diameter, Gray Iron, Manhole Cover With Frame	2,150.67	117.38
		For Ductile Iron Castings, Add	*1,258.95*	
33 05 81 00-0012	EA	24" Square, Gray Iron, Manhole Cover With Frame	3,516.20	130.30
		For Ductile Iron Castings, Add	*2,187.44*	
33 05 81 00-0013	EA	26" Diameter, Gray Iron, Manhole Cover With Frame	2,903.31	140.87
		For Ductile Iron Castings, Add	*1,735.33*	
33 05 81 00-0014	EA	30" Diameter, Gray Iron, Manhole Cover With Frame	3,030.99	146.73
		For Ductile Iron Castings, Add	*1,813.56*	
33 05 81 00-0015	EA	36" Diameter, Gray Iron, Manhole Cover With Frame	2,740.66	150.25
		For Ductile Iron Castings, Add	*1,602.11*	

33 05 81 00-0016 Watertight Type Manhole Covers And Frames *(33 05 81 00-0006)*

33 05 81 00-0017	EA	20" Diameter, Gray Iron, Watertight Manhole Cover With Frame	3,870.47	83.35
		For Ductile Iron Castings, Add	*2,477.10*	
33 05 81 00-0018	EA	22" Diameter, Gray Iron, Watertight Manhole Cover With Frame	3,909.38	83.35
		For Ductile Iron Castings, Add	*2,485.22*	
33 05 81 00-0019	EA	24" Diameter, Gray Iron, Watertight Manhole Cover With Frame	3,965.01	97.43
		For Ductile Iron Castings, Add	*2,501.60*	
33 05 81 00-0020	EA	26" Diameter, Gray Iron, Watertight Manhole Cover With Frame	4,757.98	109.17
		For Ductile Iron Castings, Add	*3,033.60*	
33 05 81 00-0021	EA	30" Diameter, Gray Iron, Watertight Manhole Cover With Frame	5,556.21	111.52
		For Ductile Iron Castings, Add	*3,581.21*	
33 05 81 00-0022	EA	32" Diameter, Gray Iron, Watertight Manhole Cover With Frame	5,863.08	113.86
		For Ductile Iron Castings, Add	*3,791.99*	
33 05 81 00-0023	EA	36" Diameter, Gray Iron, Watertight Manhole Cover With Frame	6,137.34	117.38
		For Ductile Iron Castings, Add	*3,979.79*	

33 05 81 00-0024 Aluminum Manhole Covers And Frames *(33 05 81 00-0006)*

33 05 81 00-0025	EA	12" Square Aluminum Manhole Cover With Frame	1,238.03	31.52
33 05 81 00-0026	EA	18" Square Aluminum Manhole Cover With Frame	2,278.75	34.90
33 05 81 00-0027	EA	24" Square Aluminum Manhole Cover With Frame	3,275.11	40.53

33 05 81 00-0028 Removal And Reinstallation Of Manhole Cover And Frame *(33 05 81 00-0006)*

Note: Includes surrounding asphalt removal and repair. Excludes saw cutting.

33 05 81 00-0029	EA	Removal And Reinstallation Of Manhole Cover And Frame	470.65	

33 05 83 Non-Metallic Accessories for Utility Structures *(33 05)*

33 05 83 00-0001 Manhole Accessories *(33 05 83)*

33 05 83 00-0002 Steps For Cast-In-Place Manholes *(33 05 83 00-0001)*

See CSI section 33 01 30 81-0037 for installation of steps in existing manholes.

33 05 83 00-0003	EA	Polypropylene Manhole Step For New Manholes	52.32	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 83 00-0004		**Rainguard Inflow Protectors** *(33 05 83)*		
33 05 83 00-0005	EA	18" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	151.12	25.43
33 05 83 00-0006	EA	22" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	175.33	25.43
33 05 83 00-0007	EA	24" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	209.62	30.52
33 05 83 00-0008	EA	26" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	224.92	30.52
33 05 83 00-0009	EA	30" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	279.36	35.60
33 05 83 00-0010	EA	32" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	298.14	35.60

33 05 84 Accessories for Utility Structures *(33 05)*

See CSI section 22 13 19 26-0044 for oil interceptors, 22 13 23 00-0000 for sediment interceptors, 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 05 84 00-0001 Manhole Accessories *(33 05 84)*

33 05 84 00-0002 Precast Concrete Manhole Tops *(33 05 84 00-0001)*

33 05 84 00-0003 Precast Concrete Manhole Slab Tops *(33 05 84 00-0002)*

33 05 84 00-0004	EA	3' Diameter x 8" Thick Precast Manhole Top Slab	642.87	88.04
33 05 84 00-0005	EA	4' Diameter x 8" Thick Precast Manhole Top Slab	898.11	95.09
33 05 84 00-0006	EA	5' Diameter x 8" Thick Precast Manhole Top Slab	1,214.25	102.13
33 05 84 00-0007	EA	6' Diameter x 8" Thick Precast Manhole Top Slab	1,453.50	109.17
33 05 84 00-0008	EA	7' Diameter x 8" Thick Precast Manhole Top Slab	2,211.42	117.38
33 05 84 00-0009	EA	8' Diameter x 10" Thick Precast Manhole Top Slab	2,951.30	126.19
33 05 84 00-0010	EA	10' Diameter x 12" Thick Precast Manhole Top Slab	5,025.24	134.99
33 05 84 00-0011	EA	12' Diameter x 12" Thick Precast Manhole Top Slab	7,129.78	145.27

33 05 84 00-0012 Precast Concrete Manhole Cone Tops *(33 05 84 00-0002)*

33 05 84 00-0013	EA	3' Diameter x 8" Thick Precast Manhole Top Cone	1,021.62	110.05
33 05 84 00-0014	EA	3'-6" Diameter x 8" Thick Precast Manhole Top Cone	1,136.13	114.45
33 05 84 00-0015	EA	4' Diameter x 8" Thick Precast Manhole Top Cone	1,250.66	118.86
33 05 84 00-0016	EA	5' Diameter x 8" Thick Precast Manhole Top Cone	1,473.79	126.19
33 05 84 00-0017	EA	6' Diameter x 8" Thick Precast Manhole Top Cone	1,702.83	134.99
33 05 84 00-0018	EA	7' Diameter x 8" Thick Precast Manhole Top Cone	2,695.93	143.80
33 05 84 00-0019	EA	8' Diameter x 10" Thick Precast Manhole Top Cone	3,385.10	158.47

33 05 84 00-0020 Precast Concrete Manhole Reducer Slabs *(33 05 84 00-0002)*

33 05 84 00-0021	EA	5' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	1,334.10	102.13
33 05 84 00-0022	EA	6' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	1,716.77	109.17
33 05 84 00-0023	EA	7' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	2,264.61	109.17
33 05 84 00-0024	EA	8' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	3,580.93	109.17
33 05 84 00-0025	EA	10' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	4,604.99	109.17
33 05 84 00-0026	EA	12' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	6,667.15	109.17

33 05 84 00-0027 Pipe To Manhole Connector *(33 05 84 00-0001)*

33 05 84 00-0028 Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connectors *(33 05 84 00-0027)*

33 05 84 00-0029	EA	4" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	95.41	
33 05 84 00-0030	EA	6" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	144.09	
33 05 84 00-0031	EA	8" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	162.27	
33 05 84 00-0032	EA	10" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	251.08	
33 05 84 00-0033	EA	12" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	353.19	
33 05 84 00-0034	EA	15" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	465.33	
33 05 84 00-0035	EA	18" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	851.32	
33 05 84 00-0036	EA	21" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	1,185.45	
33 05 84 00-0037	EA	24" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	1,885.53	
33 05 84 00-0038	EA	27" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	2,215.40	

33 05 84 00-0039 Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout *(33 05 84 00-0027)*

Note: Fernco CMA.

33 05 84 00-0040	EA	4" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	120.83	
33 05 84 00-0041	EA	6" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	167.82	
33 05 84 00-0042	EA	8" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	212.06	
33 05 84 00-0043	EA	10" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	256.08	
33 05 84 00-0044	EA	12" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	297.08	

33 05 84 00-0045 Brick And Grout Pipe To Manhole Connector *(33 05 84 00-0027)*

33 05 84 00-0046	EA	Seal Gap Between Pipe And Structure With Brick And Grout	267.22	

33 05 84 00-0047 Inverts For Manholes *(33 05 84 00-0001)*

33 05 84 00-0048	EA	Single Channel Concrete Invert For Manholes	430.70	
33 05 84 00-0049	EA	Double Channel Concrete Invert For Manholes	621.03	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 84 00-0050	EA	Triple Channel Concrete Invert For Manholes	836.46	
33 05 84 00-0051	EA	Quad Channel Concrete Invert For Manholes	1,051.82	
33 05 84 00-0052	EA	Single Channel Brick Invert For Manholes	631.82	
33 05 84 00-0053	EA	Double Channel Brick Invert For Manholes	945.86	
33 05 84 00-0054	EA	Triple Channel Brick Invert For Manholes	1,265.27	
33 05 84 00-0055	EA	Quad Channel Brick Invert For Manholes	1,581.11	

33 05 84 00-0056 Protective Coating For New Manholes *(33 05 84 00-0001)*

33 05 84 00-0057 Polyurethane Protective Coating For New Manholes *(33 05 84 00-0056)*

33 05 84 00-0058	VLF	60 Mil Polyurethane Coating Of 3' Diameter Manhole Interior	215.76	
		For 80 Mil Material, Add	*32.52*	
		For 100 Mil Material, Add	*65.05*	
		For 125 Mil Material, Add	*102.84*	
		For 150 Mil Material, Add	*140.64*	
		For 200 Mil Material, Add	*208.61*	
		For 2 To 5 Manholes, Deduct	*-14.60*	
		For 6 To 10 Manholes, Deduct	*-23.81*	
		For >10 Manholes, Deduct	*-47.61*	
33 05 84 00-0059	VLF	60 Mil Polyurethane Coating Of 3-1/2' Diameter Manhole Interior	260.27	
		For 80 Mil Material, Add	*38.60*	
		For 100 Mil Material, Add	*77.21*	
		For 125 Mil Material, Add	*121.97*	
		For 150 Mil Material, Add	*166.73*	
		For 200 Mil Material, Add	*246.92*	
		For 2 To 5 Manholes, Deduct	*-17.67*	
		For 6 To 10 Manholes, Deduct	*-28.84*	
		For >10 Manholes, Deduct	*-57.68*	
33 05 84 00-0060	VLF	60 Mil Polyurethane Coating Of 4' Diameter Manhole Interior	287.68	
		For 80 Mil Material, Add	*43.36*	
		For 100 Mil Material, Add	*86.73*	
		For 125 Mil Material, Add	*137.12*	
		For 150 Mil Material, Add	*187.51*	
		For 200 Mil Material, Add	*278.13*	
		For 2 To 5 Manholes, Deduct	*-19.47*	
		For 6 To 10 Manholes, Deduct	*-31.74*	
		For >10 Manholes, Deduct	*-63.49*	
33 05 84 00-0061	VLF	60 Mil Polyurethane Coating Of 5' Diameter Manhole Interior	359.67	
		For 80 Mil Material, Add	*54.23*	
		For 100 Mil Material, Add	*108.46*	
		For 125 Mil Material, Add	*171.48*	
		For 150 Mil Material, Add	*234.50*	
		For 200 Mil Material, Add	*347.83*	
		For 2 To 5 Manholes, Deduct	*-24.34*	
		For 6 To 10 Manholes, Deduct	*-39.68*	
		For >10 Manholes, Deduct	*-79.37*	
33 05 84 00-0062	VLF	60 Mil Polyurethane Coating Of 6' Diameter Manhole Interior	418.03	
		For 80 Mil Material, Add	*64.05*	
		For 100 Mil Material, Add	*128.10*	
		For 125 Mil Material, Add	*202.70*	
		For 150 Mil Material, Add	*277.31*	
		For 200 Mil Material, Add	*411.93*	
		For 2 To 5 Manholes, Deduct	*-28.19*	
		For 6 To 10 Manholes, Deduct	*-45.92*	
		For >10 Manholes, Deduct	*-91.85*	

33 05 84 00-0063 Polyvinyl Chloride (PVC) Liner *(33 05 84 00-0056)*

Note: For new manholes and shop applied.

33 05 84 00-0064	VLF	3' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	297.43
33 05 84 00-0065	VLF	3-1/2' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	364.59
33 05 84 00-0066	VLF	4' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	444.92
33 05 84 00-0067	VLF	5' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	558.74
33 05 84 00-0068	VLF	6' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	672.56
33 05 84 00-0069	SF	Polyvinyl Chloride (PVC) Liner At Structures	52.33

33 05 84 00-0070 Concrete Grade Extensions/Grade Rings *(33 05 84 00-0001)*

33 05 84 00-0071 18" Diameter, Concrete Grade Extensions/Grade Rings *(33 05 84 00-0070)*

33 05 84 00-0072	EA	4" Rise, 18" Diameter, Concrete Grade Extensions/Grade Rings	96.39
33 05 84 00-0073	EA	6" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring	105.11
33 05 84 00-0074	EA	8" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring	113.82
33 05 84 00-0075	EA	10" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring	122.54

33 05 84 00-0076 24" Diameter, Concrete Grade Extensions/Grade Rings *(33 05 84 00-0070)*

33 05 84 00-0077	EA	4" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	108.22
33 05 84 00-0078	EA	6" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	118.12
33 05 84 00-0079	EA	8" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	128.02
33 05 84 00-0080	EA	10" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	137.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 84 00-0081		**30" Diameter, Concrete Grade Extensions/Grade Rings** *(33 05 84 00-0070)*		
33 05 84 00-0082	EA	4" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	119.77	
33 05 84 00-0083	EA	6" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	130.81	
33 05 84 00-0084	EA	8" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	141.86	
33 05 84 00-0085	EA	10" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	152.90	
33 05 84 00-0086		**Bentonite Collar** *(33 05 84 00-0001)*		
33 05 84 00-0087		**Bentonite Collar At Manhole Connections** *(33 05 84 00-0086)*		
33 05 84 00-0088	EA	Up To 12" Pipe, Bentonite Collar At Manhole Connection	151.33	
33 05 84 00-0089	EA	>12" To 21", Bentonite Collar At Manhole Connection	239.61	
33 05 84 00-0090	EA	>21" To 30" Pipe, Bentonite Collar At Manhole Connection	378.62	
33 05 84 00-0091	EA	>30" To 36" Pipe, Bentonite Collar At Manhole Connection	883.76	
33 05 84 00-0092	EA	>36" To 48" Pipe, Bentonite Collar At Manhole Connection	1,386.84	
33 05 84 00-0093	EA	>48" To 60" Pipe, Bentonite Collar At Manhole Connection	2,520.94	
33 05 84 00-0094		**Waste Water Collection System Taps** *(33 05 84)* Note: For tapping existing structures only. Includes grout.		
33 05 84 00-0095		**Brick Manhole Taps** *(33 05 84 00-0094)*		
33 05 84 00-0096	EA	4" Tap In 6" Brick Manhole	589.46	
33 05 84 00-0097	EA	6" Tap In 6" Brick Manhole	659.05	
33 05 84 00-0098	EA	8" Tap In 6" Brick Manhole	727.41	
33 05 84 00-0099	EA	10" Tap In 6" Brick Manhole	795.63	
33 05 84 00-0100	EA	12" Tap In 6" Brick Manhole	876.94	
33 05 84 00-0101	EA	15" Tap In 6" Brick Manhole	945.02	
33 05 84 00-0102		**Precast Concrete Manhole Tap** *(33 05 84 00-0094)*		
33 05 84 00-0103	EA	4" Tap In Existing Precast Concrete Manhole	869.55	
33 05 84 00-0104	EA	6" Tap In Existing Precast Concrete Manhole	973.94	
33 05 84 00-0105	EA	8" Tap In Existing Precast Concrete Manhole	1,089.35	
33 05 84 00-0106	EA	10" Tap In Existing Precast Concrete Manhole	1,191.67	
33 05 84 00-0107	EA	12" Tap In Existing Precast Concrete Manhole	1,293.80	
33 05 84 00-0108	EA	15" Tap In Existing Precast Concrete Manhole	1,398.40	
33 05 84 00-0109	EA	18" Tap In Existing Precast Concrete Manhole	1,610.47	
33 05 84 00-0110	EA	24" Tap In Existing Precast Concrete Manhole	2,070.84	

33 05 97 Identification and Signage for Utilities *(33 05)*

33 05 97 23 Utility Identification Warning Tape *(33 05 97)*

33 05 97 23-0001		**Non-Detectable Utility Warning Tape** *(33 05 97 23)* Note: Labor installation is included with pipe and excavation.		
33 05 97 23-0002	CLF	3" Non-Detectable Utility Warning Tape	8.72	
33 05 97 23-0003	CLF	6" Non-Detectable Utility Warning Tape	12.19	
33 05 97 23-0004		**Detectable Utility Warning Tape** *(33 05 97 23)* Note: Labor installation is included with pipe and excavation.		
33 05 97 23-0005	CLF	2" Detectable Utility Warning Tape	8.83	
33 05 97 23-0006	CLF	3" Detectable Utility Warning Tape	11.98	
33 05 97 23-0007	CLF	6" Detectable Utility Warning Tape	19.05	

33 10 Water Utilities *(33)*

33 11 Groundwater Sources *(33 10)*

33 11 13 Potable Water Supply Wells *(33 11)*

33 11 13 00-0001		**Drill And Test Water Well** *(33 11 13)*		
33 11 13 00-0002		**Drill Hole** *(33 11 13 00-0001)* Note: Excludes loading and hauling of spoils.		
33 11 13 00-0003		**Mobilization And Demobilization** *(33 11 13 00-0002)*		
33 11 13 00-0004	EA	Up To 12" Diameter, Well Drilling Mobilization And Demobilization	1,074.78	
33 11 13 00-0005	EA	>12" To 24" Diameter, Well Drilling Mobilization And Demobilization	1,328.19	
33 11 13 00-0006	EA	>24" To 36" Diameter, Well Drilling Mobilization And Demobilization	1,992.29	
33 11 13 00-0007		**Drill Hole In Normal Soil, Sand, Gravel, O.B.** *(33 11 13 00-0002)* Note: Excludes well casing, gravel or materials.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0008	LF	Up To 6" Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	25.74	
		For >100 To 250, Add	*0.64*	
		For >250 To 400, Add	*1.29*	
		For >400 To 600, Add	*1.93*	
		For >600 To 750, Add	*2.57*	
		For >750, Add	*3.22*	
33 11 13 00-0009	LF	8" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	30.55	
		For >100 To 250, Add	*0.76*	
		For >250 To 400, Add	*1.53*	
		For >400 To 600, Add	*2.29*	
		For >600 To 750, Add	*3.06*	
		For >750, Add	*3.82*	
33 11 13 00-0010	LF	10" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	40.84	
		For >100 To 250, Add	*1.02*	
		For >250 To 400, Add	*2.04*	
		For >400 To 600, Add	*3.06*	
		For >600 To 750, Add	*4.08*	
		For >750, Add	*5.11*	
33 11 13 00-0011	LF	12" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	63.92	
		For >100 To 250, Add	*1.60*	
		For >250 To 400, Add	*3.20*	
		For >400 To 600, Add	*4.79*	
		For >600 To 750, Add	*6.39*	
		For >750, Add	*7.99*	
33 11 13 00-0012	LF	14" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	91.97	
		For >100 To 250, Add	*2.30*	
		For >250 To 400, Add	*4.60*	
		For >400 To 600, Add	*6.90*	
		For >600 To 750, Add	*9.20*	
		For >750, Add	*11.50*	
33 11 13 00-0013	LF	16" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	120.20	
		For >100 To 250, Add	*3.01*	
		For >250 To 400, Add	*6.01*	
		For >400 To 600, Add	*9.02*	
		For >600 To 750, Add	*12.02*	
		For >750, Add	*15.03*	
33 11 13 00-0014	LF	18" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	142.78	
		For >100 To 250, Add	*3.57*	
		For >250 To 400, Add	*7.14*	
		For >400 To 600, Add	*10.71*	
		For >600 To 750, Add	*14.28*	
		For >750, Add	*17.85*	
33 11 13 00-0015	LF	20" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	166.02	
		For >100 To 250, Add	*4.15*	
		For >250 To 400, Add	*8.30*	
		For >400 To 600, Add	*12.45*	
		For >600 To 750, Add	*16.60*	
		For >750, Add	*20.75*	
33 11 13 00-0016	LF	22" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	195.07	
		For >100 To 250, Add	*4.88*	
		For >250 To 400, Add	*9.75*	
		For >400 To 600, Add	*14.63*	
		For >600 To 750, Add	*19.51*	
		For >750, Add	*24.38*	
33 11 13 00-0017	LF	24" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	229.95	
		For >100 To 250, Add	*5.75*	
		For >250 To 400, Add	*11.50*	
		For >400 To 600, Add	*17.25*	
		For >600 To 750, Add	*23.00*	
		For >750, Add	*28.74*	
33 11 13 00-0018	LF	26" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	248.53	
		For >100 To 250, Add	*6.21*	
		For >250 To 400, Add	*12.43*	
		For >400 To 600, Add	*18.64*	
		For >600 To 750, Add	*24.85*	
		For >750, Add	*31.07*	
33 11 13 00-0019	LF	28" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	273.44	
		For >100 To 250, Add	*6.84*	
		For >250 To 400, Add	*13.67*	
		For >400 To 600, Add	*20.51*	
		For >600 To 750, Add	*27.34*	
		For >750, Add	*34.18*	
33 11 13 00-0020	LF	30" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	299.51	
		For >100 To 250, Add	*7.49*	
		For >250 To 400, Add	*14.98*	
		For >400 To 600, Add	*22.46*	
		For >600 To 750, Add	*29.95*	
		For >750, Add	*37.44*	
33 11 13 00-0021	LF	36" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	372.56	
		For >100 To 250, Add	*9.31*	
		For >250 To 400, Add	*18.63*	
		For >400 To 600, Add	*27.94*	
		For >600 To 750, Add	*37.26*	
		For >750, Add	*46.57*	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0022		Drill Hole In Sedimentary Rock *(33 11 13 00-0002)*		
33 11 13 00-0023	LF	6" Water Well Hole Drilled In Sedimentary Rock	52.46	
		For >100 To 250, Add	*1.31*	
		For >250 To 400, Add	*2.62*	
		For >400 To 600, Add	*3.93*	
		For >600 To 750, Add	*5.25*	
		For >750, Add	*6.56*	
33 11 13 00-0024	LF	8" Water Well Hole Drilled In Sedimentary Rock	61.10	
		For >100 To 250, Add	*1.53*	
		For >250 To 400, Add	*3.06*	
		For >400 To 600, Add	*4.58*	
		For >600 To 750, Add	*6.11*	
		For >750, Add	*7.64*	
33 11 13 00-0025	LF	10" Water Well Hole Drilled In Sedimentary Rock	97.83	
		For >100 To 250, Add	*2.45*	
		For >250 To 400, Add	*4.89*	
		For >400 To 600, Add	*7.34*	
		For >600 To 750, Add	*9.78*	
		For >750, Add	*12.23*	
33 11 13 00-0026	LF	12" Water Well Hole Drilled In Sedimentary Rock	127.91	
		For >100 To 250, Add	*3.20*	
		For >250 To 400, Add	*6.40*	
		For >400 To 600, Add	*9.59*	
		For >600 To 750, Add	*12.79*	
		For >750, Add	*15.99*	
33 11 13 00-0027	LF	14" Water Well Hole Drilled In Sedimentary Rock	184.09	
		For >100 To 250, Add	*4.60*	
		For >250 To 400, Add	*9.20*	
		For >400 To 600, Add	*13.81*	
		For >600 To 750, Add	*18.41*	
		For >750, Add	*23.01*	
33 11 13 00-0028	LF	16" Water Well Hole Drilled In Sedimentary Rock	240.27	
		For >100 To 250, Add	*6.01*	
		For >250 To 400, Add	*12.01*	
		For >400 To 600, Add	*18.02*	
		For >600 To 750, Add	*24.03*	
		For >750, Add	*30.03*	
33 11 13 00-0029	LF	18" Water Well Hole Drilled In Sedimentary Rock	285.69	
		For >100 To 250, Add	*7.14*	
		For >250 To 400, Add	*14.28*	
		For >400 To 600, Add	*21.43*	
		For >600 To 750, Add	*28.57*	
		For >750, Add	*35.71*	
33 11 13 00-0030	LF	20" Water Well Hole Drilled In Sedimentary Rock	331.52	
		For >100 To 250, Add	*8.29*	
		For >250 To 400, Add	*16.58*	
		For >400 To 600, Add	*24.86*	
		For >600 To 750, Add	*33.15*	
		For >750, Add	*41.44*	
33 11 13 00-0031	LF	22" Water Well Hole Drilled In Sedimentary Rock	390.49	
		For >100 To 250, Add	*9.76*	
		For >250 To 400, Add	*19.52*	
		For >400 To 600, Add	*29.29*	
		For >600 To 750, Add	*39.05*	
		For >750, Add	*48.81*	
33 11 13 00-0032	LF	24" Water Well Hole Drilled In Sedimentary Rock	451.05	
		For >100 To 250, Add	*11.28*	
		For >250 To 400, Add	*22.55*	
		For >400 To 600, Add	*33.83*	
		For >600 To 750, Add	*45.11*	
		For >750, Add	*56.38*	
33 11 13 00-0033	LF	26" Water Well Hole Drilled In Sedimentary Rock	497.08	
		For >100 To 250, Add	*12.43*	
		For >250 To 400, Add	*24.85*	
		For >400 To 600, Add	*37.28*	
		For >600 To 750, Add	*49.71*	
		For >750, Add	*62.14*	
33 11 13 00-0034	LF	28" Water Well Hole Drilled In Sedimentary Rock	546.89	
		For >100 To 250, Add	*13.67*	
		For >250 To 400, Add	*27.34*	
		For >400 To 600, Add	*41.02*	
		For >600 To 750, Add	*54.69*	
		For >750, Add	*68.36*	
33 11 13 00-0035	LF	30" Water Well Hole Drilled In Sedimentary Rock	599.01	
		For >100 To 250, Add	*14.98*	
		For >250 To 400, Add	*29.95*	
		For >400 To 600, Add	*44.93*	
		For >600 To 750, Add	*59.90*	
		For >750, Add	*74.88*	
33 11 13 00-0036	LF	36" Water Well Hole Drilled In Sedimentary Rock	745.12	
		For >100 To 250, Add	*18.63*	
		For >250 To 400, Add	*37.26*	
		For >400 To 600, Add	*55.88*	
		For >600 To 750, Add	*74.51*	
		For >750, Add	*93.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 11 13 00-0037 Drill Hole In Crystalline Rock *(33 11 13 00-0002)*

33 11 13 00-0038	LF	6" Water Well Hole Drilled In Crystalline Rock	107.92	
		For >100 To 250, Add	*2.70*	
		For >250 To 400, Add	*5.40*	
		For >400 To 600, Add	*8.09*	
		For >600 To 750, Add	*10.79*	
		For >750, Add	*13.49*	
33 11 13 00-0039	LF	8" Water Well Hole Drilled In Crystalline Rock	124.52	
		For >100 To 250, Add	*3.11*	
		For >250 To 400, Add	*6.23*	
		For >400 To 600, Add	*9.34*	
		For >600 To 750, Add	*12.45*	
		For >750, Add	*15.57*	
33 11 13 00-0040	LF	10" Water Well Hole Drilled In Crystalline Rock	142.78	
		For >100 To 250, Add	*3.57*	
		For >250 To 400, Add	*7.14*	
		For >400 To 600, Add	*10.71*	
		For >600 To 750, Add	*14.28*	
		For >750, Add	*17.85*	
33 11 13 00-0041	LF	12" Water Well Hole Drilled In Crystalline Rock	180.97	
		For >100 To 250, Add	*4.52*	
		For >250 To 400, Add	*9.05*	
		For >400 To 600, Add	*13.57*	
		For >600 To 750, Add	*18.10*	
		For >750, Add	*22.62*	
33 11 13 00-0042	LF	14" Water Well Hole Drilled In Crystalline Rock	234.09	
		For >100 To 250, Add	*5.85*	
		For >250 To 400, Add	*11.70*	
		For >400 To 600, Add	*17.56*	
		For >600 To 750, Add	*23.41*	
		For >750, Add	*29.26*	
33 11 13 00-0043	LF	16" Water Well Hole Drilled In Crystalline Rock	340.35	
		For >100 To 250, Add	*8.51*	
		For >250 To 400, Add	*17.02*	
		For >400 To 600, Add	*25.53*	
		For >600 To 750, Add	*34.04*	
		For >750, Add	*42.54*	
33 11 13 00-0044	LF	18" Water Well Hole Drilled In Crystalline Rock	405.10	
		For >100 To 250, Add	*10.13*	
		For >250 To 400, Add	*20.26*	
		For >400 To 600, Add	*30.38*	
		For >600 To 750, Add	*40.51*	
		For >750, Add	*50.64*	
33 11 13 00-0045	LF	20" Water Well Hole Drilled In Crystalline Rock	469.85	
		For >100 To 250, Add	*11.75*	
		For >250 To 400, Add	*23.49*	
		For >400 To 600, Add	*35.24*	
		For >600 To 750, Add	*46.99*	
		For >750, Add	*58.73*	
33 11 13 00-0046	LF	22" Water Well Hole Drilled In Crystalline Rock	552.86	
		For >100 To 250, Add	*13.82*	
		For >250 To 400, Add	*27.64*	
		For >400 To 600, Add	*41.46*	
		For >600 To 750, Add	*55.29*	
		For >750, Add	*69.11*	
33 11 13 00-0047	LF	24" Water Well Hole Drilled In Crystalline Rock	639.19	
		For >100 To 250, Add	*15.98*	
		For >250 To 400, Add	*31.96*	
		For >400 To 600, Add	*47.94*	
		For >600 To 750, Add	*63.92*	
		For >750, Add	*79.90*	

33 11 13 00-0048 Furnish And Install Casing *(33 11 13 00-0001)*

Note: Excludes drilling of hole.

33 11 13 00-0049 Steel Well Casing *(33 11 13 00-0048)*

33 11 13 00-0050	LF	6" Diameter, Steel Well Casing, Flush	50.47	
		For >100 To 250, Deduct	*-1.51*	
		For >250 To 400, Deduct	*-2.77*	
		For >400 To 600, Deduct	*-4.16*	
		For >600 To 750, Deduct	*-5.54*	
		For >750, Deduct	*-7.25*	
33 11 13 00-0051	LF	8" Diameter, Steel Well Casing, Flush	62.75	
		For >100 To 250, Deduct	*-1.88*	
		For >250 To 400, Deduct	*-3.45*	
		For >400 To 600, Deduct	*-5.17*	
		For >600 To 750, Deduct	*-6.90*	
		For >750, Deduct	*-9.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0052	LF	10" Diameter, Steel Well Casing, Flush	93.02	
		For >100 To 250, Deduct	*-2.70*	
		For >250 To 400, Deduct	*-5.02*	
		For >400 To 600, Deduct	*-7.54*	
		For >600 To 750, Deduct	*-10.05*	
		For >750, Deduct	*-13.05*	
33 11 13 00-0053	LF	12" Diameter, Steel Well Casing, Flush	156.28	
		For >100 To 250, Deduct	*-4.36*	
		For >250 To 400, Deduct	*-8.26*	
		For >400 To 600, Deduct	*-12.39*	
		For >600 To 750, Deduct	*-16.52*	
		For >750, Deduct	*-21.24*	
33 11 13 00-0054	LF	14" Diameter, Steel Well Casing, Flush	175.13	
		For >100 To 250, Deduct	*-5.00*	
		For >250 To 400, Deduct	*-9.38*	
		For >400 To 600, Deduct	*-14.07*	
		For >600 To 750, Deduct	*-18.76*	
		For >750, Deduct	*-24.25*	
33 11 13 00-0055	LF	16" Diameter, Steel Well Casing, Flush	205.56	
		For >100 To 250, Deduct	*-5.91*	
		For >250 To 400, Deduct	*-11.05*	
		For >400 To 600, Deduct	*-16.57*	
		For >600 To 750, Deduct	*-22.10*	
		For >750, Deduct	*-28.63*	
33 11 13 00-0056	LF	18" Diameter, Steel Well Casing, Flush	234.44	
		For >100 To 250, Deduct	*-6.83*	
		For >250 To 400, Deduct	*-12.69*	
		For >400 To 600, Deduct	*-19.04*	
		For >600 To 750, Deduct	*-25.39*	
		For >750, Deduct	*-32.99*	
33 11 13 00-0057	LF	20" Diameter, Steel Well Casing, Flush	267.18	
		For >100 To 250, Deduct	*-7.87*	
		For >250 To 400, Deduct	*-14.55*	
		For >400 To 600, Deduct	*-21.83*	
		For >600 To 750, Deduct	*-29.11*	
		For >750, Deduct	*-37.94*	
33 11 13 00-0058	LF	24" Diameter, Steel Well Casing, Flush	312.33	
		For >100 To 250, Deduct	*-9.15*	
		For >250 To 400, Deduct	*-16.96*	
		For >400 To 600, Deduct	*-25.44*	
		For >600 To 750, Deduct	*-33.92*	
		For >750, Deduct	*-44.15*	
33 11 13 00-0059	LB	Steel Well Casing, Furnish And Install	1.63	
		For >100 To 250, Deduct	*-0.06*	
		For >250 To 400, Deduct	*-0.10*	
		For >400 To 600, Deduct	*-0.15*	
		For >600 To 750, Deduct	*-0.20*	
		For >750, Deduct	*-0.27*	

33 11 13 00-0060 Stainless Steel Well Casing, Flush Threaded *(33 11 13 00-0048)*

33 11 13 00-0061	LF	6" Diameter, Stainless Steel Well Casing, Flush	76.65	
		For >100 To 250, Deduct	*-2.17*	
		For >250 To 400, Deduct	*-4.08*	
		For >400 To 600, Deduct	*-6.12*	
		For >600 To 750, Deduct	*-8.16*	
		For >750, Deduct	*-10.53*	
33 11 13 00-0062	LF	8" Diameter, Stainless Steel Well Casing, Flush	114.57	
		For >100 To 250, Deduct	*-3.18*	
		For >250 To 400, Deduct	*-6.04*	
		For >400 To 600, Deduct	*-9.06*	
		For >600 To 750, Deduct	*-12.08*	
		For >750, Deduct	*-15.50*	
33 11 13 00-0063	LF	10" Diameter, Stainless Steel Well Casing, Flush	159.75	
		For >100 To 250, Deduct	*-4.39*	
		For >250 To 400, Deduct	*-8.39*	
		For >400 To 600, Deduct	*-12.58*	
		For >600 To 750, Deduct	*-16.77*	
		For >750, Deduct	*-21.48*	
33 11 13 00-0064	LF	12" Diameter, Stainless Steel Well Casing, Flush	185.87	
		For >100 To 250, Deduct	*-5.12*	
		For >250 To 400, Deduct	*-9.77*	
		For >400 To 600, Deduct	*-14.65*	
		For >600 To 750, Deduct	*-19.53*	
		For >750, Deduct	*-25.03*	

33 11 13 00-0065 Stainless Steel Well Casing, Welded Ring *(33 11 13 00-0048)*

33 11 13 00-0066	LF	10" Diameter, Stainless Steel Well Casing, Welded	171.70	
		For >100 To 250, Deduct	*-4.99*	
		For >250 To 400, Deduct	*-9.28*	
		For >400 To 600, Deduct	*-13.92*	
		For >600 To 750, Deduct	*-18.56*	
		For >750, Deduct	*-24.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0067	LF	12" Diameter, Stainless Steel Well Casing, Welded	198.82	
		For >100 To 250, Deduct	*-5.77*	
		For >250 To 400, Deduct	*-10.74*	
		For >400 To 600, Deduct	*-16.11*	
		For >600 To 750, Deduct	*-21.48*	
		For >750, Deduct	*-27.88*	
33 11 13 00-0068	LF	14" Diameter, Stainless Steel Well Casing, Welded	238.39	
		For >100 To 250, Deduct	*-6.86*	
		For >250 To 400, Deduct	*-12.82*	
		For >400 To 600, Deduct	*-19.22*	
		For >600 To 750, Deduct	*-25.63*	
		For >750, Deduct	*-33.20*	
33 11 13 00-0069	LF	16" Diameter, Stainless Steel Well Casing, Welded	272.91	
		For >100 To 250, Deduct	*-7.84*	
		For >250 To 400, Deduct	*-14.67*	
		For >400 To 600, Deduct	*-22.00*	
		For >600 To 750, Deduct	*-29.33*	
		For >750, Deduct	*-37.99*	
33 11 13 00-0070	LF	18" Diameter, Stainless Steel Well Casing, Welded	301.74	
		For >100 To 250, Deduct	*-8.71*	
		For >250 To 400, Deduct	*-16.26*	
		For >400 To 600, Deduct	*-24.39*	
		For >600 To 750, Deduct	*-32.51*	
		For >750, Deduct	*-42.16*	
33 11 13 00-0071	LF	20" Diameter, Stainless Steel Well Casing, Welded	394.18	
		For >100 To 250, Deduct	*-11.25*	
		For >250 To 400, Deduct	*-21.10*	
		For >400 To 600, Deduct	*-31.65*	
		For >600 To 750, Deduct	*-42.21*	
		For >750, Deduct	*-54.57*	
33 11 13 00-0072	LF	24" Diameter, Stainless Steel Well Casing, Welded	518.52	
		For >100 To 250, Deduct	*-14.70*	
		For >250 To 400, Deduct	*-27.67*	
		For >400 To 600, Deduct	*-41.50*	
		For >600 To 750, Deduct	*-55.34*	
		For >750, Deduct	*-71.43*	

33 11 13 00-0073 Polyvinyl Chloride (PVC) Well Casing, Schedule 80 *(33 11 13 00-0048)*

33 11 13 00-0074	LF	6" Polyvinyl Chloride (PVC) Well Casing	54.23	
		For >100 To 250, Deduct	*-1.56*	
		For >250 To 400, Deduct	*-2.91*	
		For >400 To 600, Deduct	*-4.37*	
		For >600 To 750, Deduct	*-5.82*	
		For >750, Deduct	*-7.54*	
33 11 13 00-0075	LF	8" Polyvinyl Chloride (PVC) Well Casing	86.13	
		For >100 To 250, Deduct	*-2.46*	
		For >250 To 400, Deduct	*-4.62*	
		For >400 To 600, Deduct	*-6.93*	
		For >600 To 750, Deduct	*-9.24*	
		For >750, Deduct	*-11.95*	
33 11 13 00-0076	LF	10" Polyvinyl Chloride (PVC) Well Casing	130.17	
		For >100 To 250, Deduct	*-3.73*	
		For >250 To 400, Deduct	*-6.98*	
		For >400 To 600, Deduct	*-10.47*	
		For >600 To 750, Deduct	*-13.96*	
		For >750, Deduct	*-18.07*	
33 11 13 00-0077	LF	12" Polyvinyl Chloride (PVC) Well Casing	153.56	
		For >100 To 250, Deduct	*-4.41*	
		For >250 To 400, Deduct	*-8.25*	
		For >400 To 600, Deduct	*-12.38*	
		For >600 To 750, Deduct	*-16.50*	
		For >750, Deduct	*-21.37*	

33 11 13 00-0078 Furnish And Install Well Screen Assembly *(33 11 13 00-0001)*

33 11 13 00-0079 Stainless Steel Well Screen *(33 11 13 00-0078)*

33 11 13 00-0080	LF	2" Stainless Steel Well Screen	25.31	1.99
		For >100 To 250, Deduct	*-0.89*	
		For >250 To 400, Deduct	*-1.52*	
		For >400 To 600, Deduct	*-2.28*	
		For >600 To 750, Deduct	*-3.04*	
		For >750, Deduct	*-4.13*	
33 11 13 00-0081	LF	3" Stainless Steel Well Screen	39.12	1.99
		For >100 To 250, Deduct	*-1.25*	
		For >250 To 400, Deduct	*-2.23*	
		For >400 To 600, Deduct	*-3.35*	
		For >600 To 750, Deduct	*-4.46*	
		For >750, Deduct	*-5.94*	
33 11 13 00-0082	LF	4" Stainless Steel Well Screen	49.17	2.99
		For >100 To 250, Deduct	*-1.58*	
		For >250 To 400, Deduct	*-2.81*	
		For >400 To 600, Deduct	*-4.21*	
		For >600 To 750, Deduct	*-5.61*	
		For >750, Deduct	*-7.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0083	LF	5" Stainless Steel Well Screen	61.95	2.99
		For >100 To 250, Deduct	*-1.96*	
		For >250 To 400, Deduct	*-3.51*	
		For >400 To 600, Deduct	*-5.27*	
		For >600 To 750, Deduct	*-7.02*	
		For >750, Deduct	*-9.32*	
33 11 13 00-0084	LF	6" Stainless Steel Well Screen	74.75	3.98
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 400, Deduct	*-4.29*	
		For >400 To 600, Deduct	*-6.44*	
		For >600 To 750, Deduct	*-8.58*	
		For >750, Deduct	*-11.45*	
33 11 13 00-0085	LF	8" Stainless Steel Well Screen	97.44	4.98
		For >100 To 250, Deduct	*-3.14*	
		For >250 To 400, Deduct	*-5.58*	
		For >400 To 600, Deduct	*-8.37*	
		For >600 To 750, Deduct	*-11.16*	
		For >750, Deduct	*-14.87*	
33 11 13 00-0086	LF	10" Stainless Steel Well Screen	124.10	7.97
		For >100 To 250, Deduct	*-4.06*	
		For >250 To 400, Deduct	*-7.16*	
		For >400 To 600, Deduct	*-10.74*	
		For >600 To 750, Deduct	*-14.32*	
		For >750, Deduct	*-19.14*	
33 11 13 00-0087	LF	12" Stainless Steel Well Screen	145.56	9.95
		For >100 To 250, Deduct	*-4.75*	
		For >250 To 400, Deduct	*-8.39*	
		For >400 To 600, Deduct	*-12.59*	
		For >600 To 750, Deduct	*-16.79*	
		For >750, Deduct	*-22.43*	
33 11 13 00-0088	LF	14" Stainless Steel Well Screen	160.27	10.95
		For >100 To 250, Deduct	*-5.29*	
		For >250 To 400, Deduct	*-9.30*	
		For >400 To 600, Deduct	*-13.95*	
		For >600 To 750, Deduct	*-18.59*	
		For >750, Deduct	*-24.91*	
33 11 13 00-0089	LF	16" Stainless Steel Well Screen	173.91	12.94
		For >100 To 250, Deduct	*-5.79*	
		For >250 To 400, Deduct	*-10.14*	
		For >400 To 600, Deduct	*-15.21*	
		For >600 To 750, Deduct	*-20.28*	
		For >750, Deduct	*-27.22*	
33 11 13 00-0090	LF	18" Stainless Steel Well Screen	209.11	14.93
		For >100 To 250, Deduct	*-7.01*	
		For >250 To 400, Deduct	*-12.23*	
		For >400 To 600, Deduct	*-18.35*	
		For >600 To 750, Deduct	*-24.47*	
		For >750, Deduct	*-32.89*	
33 11 13 00-0091	LF	20" Stainless Steel Well Screen	263.67	18.91
		For >100 To 250, Deduct	*-8.83*	
		For >250 To 400, Deduct	*-15.42*	
		For >400 To 600, Deduct	*-23.13*	
		For >600 To 750, Deduct	*-30.83*	
		For >750, Deduct	*-41.45*	
33 11 13 00-0092	LF	24" Stainless Steel Well Screen	342.28	24.88
		For >100 To 250, Deduct	*-11.48*	
		For >250 To 400, Deduct	*-20.04*	
		For >400 To 600, Deduct	*-30.06*	
		For >600 To 750, Deduct	*-40.08*	
		For >750, Deduct	*-53.91*	
33 11 13 00-0093	LF	26" Stainless Steel Well Screen	394.23	28.87
		For >100 To 250, Deduct	*-13.17*	
		For >250 To 400, Deduct	*-23.03*	
		For >400 To 600, Deduct	*-34.54*	
		For >600 To 750, Deduct	*-46.06*	
		For >750, Deduct	*-61.89*	

33 11 13 00-0094 Slotted Polyvinyl Chloride (PVC) Well Screen, Schedule 40 *(33 11 13 00-0078)*

33 11 13 00-0095	LF	1-1/4" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	16.09	
		For >100 To 250, Deduct	*-0.57*	
		For >250 To 400, Deduct	*-0.98*	
		For >400 To 600, Deduct	*-1.46*	
		For >600 To 750, Deduct	*-1.95*	
		For >750, Deduct	*-2.66*	
		For Schedule 80, Add	*3.68*	
33 11 13 00-0096	LF	1-1/2" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	18.39	
		For >100 To 250, Deduct	*-0.64*	
		For >250 To 400, Deduct	*-1.10*	
		For >400 To 600, Deduct	*-1.65*	
		For >600 To 750, Deduct	*-2.21*	
		For >750, Deduct	*-3.00*	
		For Schedule 80, Add	*4.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0097	LF	2" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	26.01	
		For >100 To 250, Deduct	*-0.98*	
		For >250 To 400, Deduct	*-1.63*	
		For >400 To 600, Deduct	*-2.44*	
		For >600 To 750, Deduct	*-3.26*	
		For >750, Deduct	*-4.50*	
		For Schedule 80, Add	*5.16*	
33 11 13 00-0098	LF	3" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	38.10	
		For >100 To 250, Deduct	*-1.31*	
		For >250 To 400, Deduct	*-2.26*	
		For >400 To 600, Deduct	*-3.39*	
		For >600 To 750, Deduct	*-4.52*	
		For >750, Deduct	*-6.11*	
		For Schedule 80, Add	*9.58*	
33 11 13 00-0099	LF	4" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	47.93	
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 400, Deduct	*-2.84*	
		For >400 To 600, Deduct	*-4.27*	
		For >600 To 750, Deduct	*-5.69*	
		For >750, Deduct	*-7.69*	
		For Schedule 80, Add	*12.00*	
33 11 13 00-0100	LF	5" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	59.99	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 400, Deduct	*-3.53*	
		For >400 To 600, Deduct	*-5.30*	
		For >600 To 750, Deduct	*-7.07*	
		For >750, Deduct	*-9.53*	
		For Schedule 80, Add	*15.46*	
33 11 13 00-0101	LF	6" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	66.17	
		For >100 To 250, Deduct	*-2.37*	
		For >250 To 400, Deduct	*-4.02*	
		For >400 To 600, Deduct	*-6.03*	
		For >600 To 750, Deduct	*-8.04*	
		For >750, Deduct	*-10.97*	
		For Schedule 80, Add	*15.10*	
33 11 13 00-0102	LF	8" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	95.29	
		For >100 To 250, Deduct	*-3.29*	
		For >250 To 400, Deduct	*-5.67*	
		For >400 To 600, Deduct	*-8.51*	
		For >600 To 750, Deduct	*-11.35*	
		For >750, Deduct	*-15.37*	
		For Schedule 80, Add	*23.57*	

33 11 13 00-0103 Furnish And Install Gravel Pack Material *(33 11 13 00-0001)*

Note: Quantity is based on 3" space between wall and the casing or well screen.

33 11 13 00-0104 Artificial Gravel Pack *(33 11 13 00-0103)*

Note: Excludes casing.

33 11 13 00-0105	LF	Artificial Gravel Pack, 6" Casing, 2" Screen	19.64	
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 400, Deduct	*-1.27*	
		For >400 To 600, Deduct	*-1.90*	
		For >600 To 750, Deduct	*-2.54*	
		For >750, Deduct	*-3.54*	
33 11 13 00-0106	LF	Artificial Gravel Pack, 8" Casing, 2" Screen	29.13	
		For >100 To 250, Deduct	*-1.18*	
		For >250 To 400, Deduct	*-1.91*	
		For >400 To 600, Deduct	*-2.86*	
		For >600 To 750, Deduct	*-3.81*	
		For >750, Deduct	*-5.35*	
33 11 13 00-0107	LF	Artificial Gravel Pack, 10" Casing, 2" Screen	40.82	
		For >100 To 250, Deduct	*-1.69*	
		For >250 To 400, Deduct	*-2.71*	
		For >400 To 600, Deduct	*-4.06*	
		For >600 To 750, Deduct	*-5.42*	
		For >750, Deduct	*-7.64*	
33 11 13 00-0108	LF	Artificial Gravel Pack, 12" Casing, 2" Screen	52.18	
		For >100 To 250, Deduct	*-2.13*	
		For >250 To 400, Deduct	*-3.44*	
		For >400 To 600, Deduct	*-5.16*	
		For >600 To 750, Deduct	*-6.88*	
		For >750, Deduct	*-9.68*	
33 11 13 00-0109	LF	Artificial Gravel Pack, 14" Casing, 2" Screen	64.17	
		For >100 To 250, Deduct	*-2.60*	
		For >250 To 400, Deduct	*-4.20*	
		For >400 To 600, Deduct	*-6.30*	
		For >600 To 750, Deduct	*-8.40*	
		For >750, Deduct	*-11.79*	
33 11 13 00-0110	LF	Artificial Gravel Pack, 16" Casing, 2" Screen	82.74	
		For >100 To 250, Deduct	*-3.29*	
		For >250 To 400, Deduct	*-5.36*	
		For >400 To 600, Deduct	*-8.04*	
		For >600 To 750, Deduct	*-10.72*	
		For >750, Deduct	*-14.99*	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0111	LF	Artificial Gravel Pack, 18" Casing, 2" Screen	94.76	
		For >100 To 250, Deduct	*-3.75*	
		For >250 To 400, Deduct	*-6.12*	
		For >400 To 600, Deduct	*-9.18*	
		For >600 To 750, Deduct	*-12.24*	
		For >750, Deduct	*-17.10*	
33 11 13 00-0112	LF	Artificial Gravel Pack, 20" Casing, 2" Screen	112.81	
		For >100 To 250, Deduct	*-4.51*	
		For >250 To 400, Deduct	*-7.33*	
		For >400 To 600, Deduct	*-10.99*	
		For >600 To 750, Deduct	*-14.66*	
		For >750, Deduct	*-20.52*	
33 11 13 00-0113	LF	Artificial Gravel Pack, 24" Casing, 2" Screen	127.78	
		For >100 To 250, Deduct	*-5.13*	
		For >250 To 400, Deduct	*-8.33*	
		For >400 To 600, Deduct	*-12.49*	
		For >600 To 750, Deduct	*-16.65*	
		For >750, Deduct	*-23.34*	
33 11 13 00-0114	LF	Artificial Gravel Pack, 26" Casing, 2" Screen	137.32	
		For >100 To 250, Deduct	*-5.46*	
		For >250 To 400, Deduct	*-8.89*	
		For >400 To 600, Deduct	*-13.34*	
		For >600 To 750, Deduct	*-17.78*	
		For >750, Deduct	*-24.86*	
33 11 13 00-0115	LF	Artificial Gravel Pack, 30" Casing, 2" Screen	164.17	
		For >100 To 250, Deduct	*-6.59*	
		For >250 To 400, Deduct	*-10.70*	
		For >400 To 600, Deduct	*-16.05*	
		For >600 To 750, Deduct	*-21.40*	
		For >750, Deduct	*-29.98*	
33 11 13 00-0116	LF	Artificial Gravel Pack, 36" Casing, 2" Screen	190.80	
		For >100 To 250, Deduct	*-7.81*	
		For >250 To 400, Deduct	*-12.58*	
		For >400 To 600, Deduct	*-18.87*	
		For >600 To 750, Deduct	*-25.15*	
		For >750, Deduct	*-35.39*	

33 11 13 00-0117 Develop Well *(33 11 13 00-0001)*

Note: Pump out drilled well to remove debris and fine material remaining from the drilling process. Excludes disposal.

33 11 13 00-0118	HR	Develop Well	462.77	

33 11 13 00-0119 Pump Test *(33 11 13 00-0001)*

Note: To determine water level and GPM flow rate.

33 11 13 00-0120	HR	Pump Test Well	409.10	

33 11 13 00-0121 Test Well *(33 11 13 00-0001)*

33 11 13 00-0122	VLF	2-1/2" Diameter Test Well	107.10	

33 11 13 00-0123 Surface Seal, Concrete Filled *(33 11 13)*

33 11 13 00-0124	SF	Surface Seal Well, Concrete Filled	35.24	

33 11 13 00-0125 Other Water Well *(33 11 13)*

33 11 13 00-0126	SF	Patch Hole In Well Casing	106.49	
33 11 13 00-0127	SF	1/2" Pressure Grout Well	2.67	
33 11 13 00-0128	SF	1" Pressure Grout Well	4.32	
33 11 13 00-0129	CF	Sediment Removal In Well Casing For Existing Well	6.23	

33 11 13 00-0130 Sterilization Of Well *(33 11 13)*

33 11 13 00-0131	EA	Well Sterilization, Chlorine	1,775.81	

33 11 13 00-0132 Submersible Well Pumps *(33 11 13)*

Note: Includes pump end, motor and control box.

33 11 13 00-0133 4" Submersible Well Pumps *(33 11 13 00-0132)*

33 11 13 00-0134 Powder Coated Case And Cast Iron Ends *(33 11 13 00-0133)*

33 11 13 00-0135	EA	1/2 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends	1,431.12	501.55
33 11 13 00-0136	EA	3/4 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends	1,630.41	555.90
33 11 13 00-0137	EA	1 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends	1,809.63	617.67

33 11 13 00-0138 Stainless Steel Case And Ends *(33 11 13 00-0133)*

33 11 13 00-0139	EA	1/2 HP Submersible Well Pump, 4" Diameter Stainless Steel	1,604.00	494.14
33 11 13 00-0140	EA	3/4 HP Submersible Well Pump, 4" Diameter Stainless Steel	1,828.19	555.90
33 11 13 00-0141	EA	1 HP Submersible Well Pump, 4" Diameter Stainless Steel	2,048.82	617.67

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0142	EA	1-1/2 HP Submersible Well Pump, 4" Diameter Stainless Steel	2,342.86	679.44
33 11 13 00-0143	EA	2 HP Submersible Well Pump, 4" Diameter Stainless Steel	2,647.56	741.20
33 11 13 00-0144	EA	3 HP Submersible Well Pump, 4" Diameter Stainless Steel	3,249.85	864.74
33 11 13 00-0145	EA	5 HP Submersible Well Pump, 4" Diameter Stainless Steel	4,073.59	988.27
33 11 13 00-0146		6" Submersible Well Pumps *(33 11 13 00-0132)*		
33 11 13 00-0147	EA	5 HP Submersible Well Pump, 6" Diameter Stainless Steel	4,000.54	1,235.34
33 11 13 00-0148	EA	7.5 HP Submersible Well Pump, 6" Diameter Stainless Steel	4,604.02	1,358.87
33 11 13 00-0149	EA	10 HP Submersible Well Pump, 6" Diameter Stainless Steel	5,230.01	1,482.41
33 11 13 00-0150	EA	15 HP Submersible Well Pump, 6" Diameter Stainless Steel	6,326.06	1,729.47

33 14 Water Utility Transmission and Distribution *(33 10)*

33 14 11 Water Utility Transmission Piping *(33 14)*

See CSI section 33 14 13 00-0000 for water utility transmission piping.

33 14 13 Public Water Utility Distribution Piping *(33 14)*

Note: Piping includes hydrostatic testing, disinfecting and warning tape. Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 14 13 13 Ductile Iron Public Water Utility Distribution Piping *(33 14 13)*

33 14 13 13-0001 Ductile Iron Piping *(33 14 13 13)*

33 14 13 13-0002 Mechanical Joint Ductile Iron Piping *(33 14 13 13-0001)*

Note: Cement lining and bituminous coating shall conform to ANSI A21.4. Fittings are C153. See CSI section 33 14 13 13-0570 for bolts and gaskets.

33 14 13 13-0003 Mechanical Joint Ductile Iron Pipe *(33 14 13 13-0002)*

Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D.

33 14 13 13-0004	LF	3", Class 51, Mechanical Joint Ductile Iron Pipe	92.32	13.84
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*49.96*	
		For Cement Mortar Lining (CML), Add	*7.14*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*38.54*	
		For Fusion Bonded Epoxy Lining (206N), Add	*12.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*5.35*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-4.62*	
		For Class 52, Add	*21.59*	
		For Class 53, Add	*39.03*	
		For Class 54, Add	*55.75*	
		For Class 55, Add	*64.01*	
		For Class 56, Add	*72.12*	
33 14 13 13-0005	LF	4", Class 50, Mechanical Joint Ductile Iron Pipe	100.74	14.73
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*54.89*	
		For Cement Mortar Lining (CML), Add	*7.84*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*42.34*	
		For Fusion Bonded Epoxy Lining (206N), Add	*14.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*5.88*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-5.04*	
		For Class 51, Add	*10.97*	
		For Class 52, Add	*23.70*	
		For Class 53, Add	*42.86*	
		For Class 54, Add	*61.21*	
		For Class 55, Add	*70.28*	
		For Class 56, Add	*79.18*	
33 14 13 13-0006	LF	6", Class 50, Mechanical Joint Ductile Iron Pipe	108.49	15.46
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*59.58*	
		For Cement Mortar Lining (CML), Add	*8.51*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*45.96*	
		For Fusion Bonded Epoxy Lining (206N), Add	*15.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.38*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-5.42*	
		For Class 51, Add	*11.89*	
		For Class 52, Add	*25.70*	
		For Class 53, Add	*46.49*	
		For Class 54, Add	*66.40*	
		For Class 55, Add	*76.24*	
		For Class 56, Add	*85.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0007	LF	8", Class 50, Mechanical Joint Ductile Iron Pipe	133.23	16.08
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*76.22*	
		For Cement Mortar Lining (CML), Add	*10.89*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*58.80*	
		For Fusion Bonded Epoxy Lining (206N), Add	*19.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.17*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-6.66*	
		For Class 51, Add	*15.14*	
		For Class 52, Add	*32.74*	
		For Class 53, Add	*59.26*	
		For Class 54, Add	*84.66*	
		For Class 55, Add	*97.17*	
		For Class 56, Add	*109.45*	
33 14 13 13-0008	LF	10", Class 50, Mechanical Joint Ductile Iron Pipe	176.22	22.81
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*84.99*	
		For Cement Mortar Lining (CML), Add	*14.17*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*70.83*	
		For Fusion Bonded Epoxy Lining (206N), Add	*25.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*10.62*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-8.81*	
		For Class 51, Add	*19.74*	
		For Class 52, Add	*42.67*	
		For Class 53, Add	*77.21*	
		For Class 54, Add	*110.29*	
		For Class 55, Add	*126.60*	
		For Class 56, Add	*142.61*	
33 14 13 13-0009	LF	12", Class 50, Mechanical Joint Ductile Iron Pipe	219.32	25.35
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*90.46*	
		For Cement Mortar Lining (CML), Add	*18.09*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*72.36*	
		For Fusion Bonded Epoxy Lining (206N), Add	*32.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*13.57*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-10.97*	
		For Class 51, Add	*25.14*	
		For Class 52, Add	*54.35*	
		For Class 53, Add	*98.39*	
		For Class 54, Add	*140.57*	
		For Class 55, Add	*161.33*	
		For Class 56, Add	*181.71*	
33 14 13 13-0010	LF	14", Class 50, Mechanical Joint Ductile Iron Pipe	267.56	28.46
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*98.71*	
		For Cement Mortar Lining (CML), Add	*22.44*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*76.28*	
		For Fusion Bonded Epoxy Lining (206N), Add	*40.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*16.83*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-13.38*	
		For Class 51, Add	*31.12*	
		For Class 52, Add	*67.29*	
		For Class 53, Add	*121.85*	
		For Class 54, Add	*174.10*	
		For Class 55, Add	*199.79*	
		For Class 56, Add	*225.01*	
33 14 13 13-0011	LF	16", Class 50, Mechanical Joint Ductile Iron Pipe	300.89	32.60
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*103.12*	
		For Cement Mortar Lining (CML), Add	*25.15*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*77.97*	
		For Fusion Bonded Epoxy Lining (206N), Add	*45.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*18.86*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-15.04*	
		For Class 51, Add	*34.90*	
		For Class 52, Add	*75.46*	
		For Class 53, Add	*136.64*	
		For Class 54, Add	*195.23*	
		For Class 55, Add	*224.04*	
		For Class 56, Add	*252.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0012	LF	18", Class 50, Mechanical Joint Ductile Iron Pipe	380.17	38.03
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*132.25*	
		For Cement Mortar Lining (CML), Add	*32.26*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*99.99*	
		For Fusion Bonded Epoxy Lining (206N), Add	*58.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*24.19*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-19.01*	
		For Class 51, Add	*44.69*	
		For Class 52, Add	*96.63*	
		For Class 53, Add	*175.02*	
		For Class 54, Add	*250.09*	
		For Class 55, Add	*286.97*	
		For Class 56, Add	*323.17*	
33 14 13 13-0013	LF	20", Class 50, Mechanical Joint Ductile Iron Pipe	424.36	45.62
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*134.98*	
		For Cement Mortar Lining (CML), Add	*35.52*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*99.46*	
		For Fusion Bonded Epoxy Lining (206N), Add	*63.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*26.64*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-21.22*	
		For Class 51, Add	*49.28*	
		For Class 52, Add	*106.55*	
		For Class 53, Add	*192.96*	
		For Class 54, Add	*275.70*	
		For Class 55, Add	*316.38*	
		For Class 56, Add	*356.32*	
33 14 13 13-0014	LF	24", Class 50, Mechanical Joint Ductile Iron Pipe	563.16	57.04
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*147.79*	
		For Cement Mortar Lining (CML), Add	*47.67*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*100.12*	
		For Fusion Bonded Epoxy Lining (206N), Add	*85.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*35.76*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-28.16*	
		For Class 51, Add	*66.06*	
		For Class 52, Add	*142.85*	
		For Class 53, Add	*258.73*	
		For Class 54, Add	*369.69*	
		For Class 55, Add	*424.22*	
		For Class 56, Add	*477.74*	
33 14 13 13-0015	LF	30", Class 50, Mechanical Joint Ductile Iron Pipe	764.46	61.41
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*208.41*	
		For Cement Mortar Lining (CML), Add	*67.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*121.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*50.42*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-38.22*	
		For Class 51, Add	*92.78*	
		For Class 52, Add	*200.69*	
		For Class 53, Add	*363.73*	
		For Class 54, Add	*519.84*	
		For Class 55, Add	*596.36*	
		For Class 56, Add	*671.46*	
33 14 13 13-0016	LF	36", Class 50, Mechanical Joint Ductile Iron Pipe	938.59	65.22
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*260.60*	
		For Cement Mortar Lining (CML), Add	*84.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*151.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*63.05*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-46.93*	
		For Class 51, Add	*115.80*	
		For Class 52, Add	*250.52*	
		For Class 53, Add	*454.18*	
		For Class 54, Add	*649.17*	
		For Class 55, Add	*744.63*	
		For Class 56, Add	*838.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0017	LF	42", Class 50, Mechanical Joint Ductile Iron Pipe	1,186.61	69.02
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*335.71*	
		For Cement Mortar Lining (CML), Add	*108.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*194.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*81.22*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-59.33*	
		For Class 51, Add	*148.90*	
		For Class 52, Add	*322.16*	
		For Class 53, Add	*584.23*	
		For Class 54, Add	*835.13*	
		For Class 55, Add	*957.83*	
		For Class 56, Add	*1,078.24*	
33 14 13 13-0018	LF	48", Class 50, Mechanical Joint Ductile Iron Pipe	1,489.76	72.94
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*427.89*	
		For Cement Mortar Lining (CML), Add	*138.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*248.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*103.52*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-74.49*	
		For Class 51, Add	*189.50*	
		For Class 52, Add	*410.06*	
		For Class 53, Add	*743.81*	
		For Class 54, Add	*1,063.33*	
		For Class 55, Add	*1,219.43*	
		For Class 56, Add	*1,372.64*	

33 14 13 13-0019 Mechanical Joint Ductile Iron 90 Degree Elbow *(33 14 13 13-0002)*

33 14 13 13-0020	EA	3" Mechanical Joint Ductile Iron 90 Degree Elbow	199.76	43.71
		For Cement Mortar Lining (CML), Add	*13.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*24.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*10.01*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0021	EA	4" Mechanical Joint Ductile Iron 90 Degree Elbow	224.45	52.24
		For Cement Mortar Lining (CML), Add	*14.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*26.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*10.90*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0022	EA	6" Mechanical Joint Ductile Iron 90 Degree Elbow	354.50	77.21
		For Cement Mortar Lining (CML), Add	*23.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*42.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*17.82*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0023	EA	8" Mechanical Joint Ductile Iron 90 Degree Elbow	484.40	91.57
		For Cement Mortar Lining (CML), Add	*34.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*62.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*25.92*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0024	EA	10" Mechanical Joint Ductile Iron 90 Degree Elbow	703.06	101.17
		For Cement Mortar Lining (CML), Add	*54.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*98.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*41.24*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0025	EA	12" Mechanical Joint Ductile Iron 90 Degree Elbow	920.02	118.68
		For Cement Mortar Lining (CML), Add	*74.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*133.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*55.52*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0026	EA	14" Mechanical Joint Ductile Iron 90 Degree Elbow	1,440.65	133.08
		For Cement Mortar Lining (CML), Add	*123.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*223.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*92.93*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0027	EA	16" Mechanical Joint Ductile Iron 90 Degree Elbow	1,913.25	152.09
		For Cement Mortar Lining (CML), Add	*168.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*302.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*126.21*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0028	EA	18" Mechanical Joint Ductile Iron 90 Degree Elbow	2,349.01	212.93
		For Cement Mortar Lining (CML), Add	*202.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*364.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*151.98*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0029	EA	20" Mechanical Joint Ductile Iron 90 Degree Elbow	3,228.87	266.16
		For Cement Mortar Lining (CML), Add	*282.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*508.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*211.92*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0030	EA	24" Mechanical Joint Ductile Iron 90 Degree Elbow	4,754.89	354.42
		For Cement Mortar Lining (CML), Add	*421.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*759.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*316.34*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0031	EA	30" Mechanical Joint Ductile Iron 90 Degree Elbow	7,344.63	380.23
		For Cement Mortar Lining (CML), Add	*676.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,218.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*507.64*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0032	EA	36" Mechanical Joint Ductile Iron 90 Degree Elbow	11,179.88	394.74
		For Cement Mortar Lining (CML), Add	*1,058.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,904.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*793.64*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0033	EA	42" Mechanical Joint Ductile Iron 90 Degree Elbow	18,836.95	456.27
		For Cement Mortar Lining (CML), Add	*1,814.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,266.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,360.92*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0034	EA	48" Mechanical Joint Ductile Iron 90 Degree Elbow	24,930.93	485.43
		For Cement Mortar Lining (CML), Add	*2,419.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,355.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,814.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0035		Mechanical Joint Ductile Iron 45 Degree Elbow *(33 14 13 13-0002)*		
33 14 13 13-0036	EA	3" Mechanical Joint Ductile Iron 45 Degree Elbow	186.02	43.71
		For Cement Mortar Lining (CML), Add	*11.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*21.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.98*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0037	EA	4" Mechanical Joint Ductile Iron 45 Degree Elbow	198.92	52.24
		For Cement Mortar Lining (CML), Add	*11.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*21.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.98*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0038	EA	6" Mechanical Joint Ductile Iron 45 Degree Elbow	309.33	77.21
		For Cement Mortar Lining (CML), Add	*19.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*34.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*14.43*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0039	EA	8" Mechanical Joint Ductile Iron 45 Degree Elbow	419.60	91.57
		For Cement Mortar Lining (CML), Add	*28.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*50.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*21.06*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0040	EA	10" Mechanical Joint Ductile Iron 45 Degree Elbow	563.64	101.17
		For Cement Mortar Lining (CML), Add	*41.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*73.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*30.78*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0041	EA	12" Mechanical Joint Ductile Iron 45 Degree Elbow	792.38	118.68
		For Cement Mortar Lining (CML), Add	*61.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*110.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*45.95*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0042	EA	14" Mechanical Joint Ductile Iron 45 Degree Elbow	1,165.75	133.08
		For Cement Mortar Lining (CML), Add	*96.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*173.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*72.31*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0043	EA	16" Mechanical Joint Ductile Iron 45 Degree Elbow	1,432.16	152.09
		For Cement Mortar Lining (CML), Add	*120.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*216.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*90.13*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0044	EA	18" Mechanical Joint Ductile Iron 45 Degree Elbow	2,046.61	212.93
		For Cement Mortar Lining (CML), Add	*172.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*310.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*129.30*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0045	EA	20" Mechanical Joint Ductile Iron 45 Degree Elbow	2,245.11	266.16
		For Cement Mortar Lining (CML), Add	*184.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*331.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*138.14*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0046	EA	24" Mechanical Joint Ductile Iron 45 Degree Elbow	3,335.21	354.42
		For Cement Mortar Lining (CML), Add	*279.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*503.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*209.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0047	EA	30" Mechanical Joint Ductile Iron 45 Degree Elbow	6,260.72	380.23
		For Cement Mortar Lining (CML), Add	*568.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,023.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*426.35*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0048	EA	36" Mechanical Joint Ductile Iron 45 Degree Elbow	8,909.96	394.74
		For Cement Mortar Lining (CML), Add	*831.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,496.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*623.39*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0049	EA	42" Mechanical Joint Ductile Iron 45 Degree Elbow	13,462.57	456.27
		For Cement Mortar Lining (CML), Add	*1,277.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,298.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*957.84*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0050	EA	48" Mechanical Joint Ductile Iron 45 Degree Elbow	17,471.21	485.43
		For Cement Mortar Lining (CML), Add	*1,673.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,012.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,255.18*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0051		**Mechanical Joint Ductile Iron 22-1/2 Degree Elbow** *(33 14 13 13-0002)*		
33 14 13 13-0052	EA	3" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	160.49	43.71
		For Cement Mortar Lining (CML), Add	*9.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*16.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*7.07*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0053	EA	4" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	193.03	52.24
		For Cement Mortar Lining (CML), Add	*11.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*20.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.54*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0054	EA	6" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	293.62	77.21
		For Cement Mortar Lining (CML), Add	*17.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*31.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*13.25*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0055	EA	8" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	413.71	91.57
		For Cement Mortar Lining (CML), Add	*27.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*49.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*20.62*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0056	EA	10" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	561.68	101.17
		For Cement Mortar Lining (CML), Add	*40.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*73.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*30.63*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0057	EA	12" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	715.80	118.68
		For Cement Mortar Lining (CML), Add	*53.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*96.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*40.20*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0058	EA	14" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,177.53	133.08
		For Cement Mortar Lining (CML), Add	*97.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*175.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*73.19*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0059	EA	16" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,383.07	152.09
		For Cement Mortar Lining (CML), Add	*115.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*207.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*86.45*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0060	EA	18" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,738.33	212.93
		For Cement Mortar Lining (CML), Add	*141.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*254.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*106.18*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0061	EA	20" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	2,327.58	266.16
		For Cement Mortar Lining (CML), Add	*192.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*346.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*144.32*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0062	EA	24" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	3,119.21	354.42
		For Cement Mortar Lining (CML), Add	*258.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*464.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*193.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0063	EA	30" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	5,339.79	380.23
		For Cement Mortar Lining (CML), Add	*476.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*857.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*357.28*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0064	EA	36" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	7,580.60	394.74
		For Cement Mortar Lining (CML), Add	*698.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,256.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*523.69*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0065	EA	42" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	11,233.89	456.27
		For Cement Mortar Lining (CML), Add	*1,054.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,897.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*790.69*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0066	EA	48" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	14,462.98	485.43
		For Cement Mortar Lining (CML), Add	*1,372.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,470.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,029.56*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0067		**Mechanical Joint Ductile Iron 11-1/4 Degree Elbow** *(33 14 13 13-0002)*		
33 14 13 13-0068	EA	3" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	160.49	43.71
		For Cement Mortar Lining (CML), Add	*9.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*16.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*7.07*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0069	EA	4" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	187.14	52.24
		For Cement Mortar Lining (CML), Add	*10.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*19.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.10*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0070	EA	6" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	299.51	77.21
		For Cement Mortar Lining (CML), Add	*18.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*32.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*13.70*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0071	EA	8" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	388.19	91.57
		For Cement Mortar Lining (CML), Add	*24.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*44.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*18.70*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0072	EA	10" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	557.75	101.17
		For Cement Mortar Lining (CML), Add	*40.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*72.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*30.34*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0073	EA	12" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	682.42	118.68
		For Cement Mortar Lining (CML), Add	*50.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*90.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*37.70*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0074	EA	14" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,314.98	133.08
		For Cement Mortar Lining (CML), Add	*111.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*200.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*83.50*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0075	EA	16" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,449.84	152.09
		For Cement Mortar Lining (CML), Add	*121.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*219.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*91.46*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0076	EA	18" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	2,111.41	212.93
		For Cement Mortar Lining (CML), Add	*178.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*321.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*134.16*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0077	EA	20" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	2,215.65	266.16
		For Cement Mortar Lining (CML), Add	*181.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*326.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*135.93*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0078	EA	24" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	2,954.27	354.42
		For Cement Mortar Lining (CML), Add	*241.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*435.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*181.29*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0079	EA	30" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	5,426.19	380.23
		For Cement Mortar Lining (CML), Add	*485.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*873.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*363.76*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0080	EA	36" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	7,227.15	394.74
		For Cement Mortar Lining (CML), Add	*662.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,193.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*497.18*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0081	EA	42" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	10,752.81	456.27
		For Cement Mortar Lining (CML), Add	*1,006.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,811.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*754.61*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0082	EA	48" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	14,368.72	485.43
		For Cement Mortar Lining (CML), Add	*1,363.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,453.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,022.50*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0083		**Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow** *(33 14 13 13-0002)*		
33 14 13 13-0084	EA	3" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	205.66	43.71
		For Cement Mortar Lining (CML), Add	*13.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*25.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*10.46*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0085	EA	4" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	251.94	52.24
		For Cement Mortar Lining (CML), Add	*17.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*31.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*12.96*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0086	EA	6" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	403.59	77.21
		For Cement Mortar Lining (CML), Add	*28.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*51.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*21.50*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0087	EA	8" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	549.20	91.57
		For Cement Mortar Lining (CML), Add	*41.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*73.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*30.78*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0088	EA	10" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	797.31	101.17
		For Cement Mortar Lining (CML), Add	*64.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*115.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*48.30*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0089	EA	12" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,022.12	118.68
		For Cement Mortar Lining (CML), Add	*84.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*151.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*63.18*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0090	EA	14" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,768.57	133.08
		For Cement Mortar Lining (CML), Add	*156.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*282.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*117.52*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0091	EA	16" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	2,712.43	152.09
		For Cement Mortar Lining (CML), Add	*248.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*446.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*186.15*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0092	EA	18" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	3,142.30	212.93
		For Cement Mortar Lining (CML), Add	*281.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*507.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*211.48*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0093	EA	20" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	4,273.51	266.16
		For Cement Mortar Lining (CML), Add	*387.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*696.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*290.27*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0094	EA	24" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	5,186.88	354.42
		For Cement Mortar Lining (CML), Add	*464.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*836.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*348.74*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0095	EA	30" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	9,732.37	380.23
		For Cement Mortar Lining (CML), Add	*915.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,648.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*686.72*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0096	EA	36" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	17,471.25	394.74
		For Cement Mortar Lining (CML), Add	*1,687.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,037.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,265.49*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0097		Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow *(33 14 13 13-0002)*		
33 14 13 13-0098	EA	3" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	187.98	43.71
		For Cement Mortar Lining (CML), Add	*12.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*21.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.13*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0099	EA	4" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	204.81	52.24
		For Cement Mortar Lining (CML), Add	*12.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*22.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.43*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0100	EA	6" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	330.93	77.21
		For Cement Mortar Lining (CML), Add	*21.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*38.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*16.05*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0101	EA	8" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	482.44	91.57
		For Cement Mortar Lining (CML), Add	*34.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*61.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*25.77*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0102	EA	10" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	663.79	101.17
		For Cement Mortar Lining (CML), Add	*51.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*91.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*38.29*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0103	EA	12" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	906.27	118.68
		For Cement Mortar Lining (CML), Add	*72.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*130.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*54.49*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0104	EA	14" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	1,562.39	133.08
		For Cement Mortar Lining (CML), Add	*136.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*244.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*102.06*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0105	EA	16" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	2,388.44	152.09
		For Cement Mortar Lining (CML), Add	*215.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*388.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*161.85*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0106	EA	18" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	2,814.38	212.93
		For Cement Mortar Lining (CML), Add	*249.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*448.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*186.89*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0107	EA	20" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	3,656.94	266.16
		For Cement Mortar Lining (CML), Add	*325.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*585.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*244.03*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0108	EA	24" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	4,591.91	354.42
		For Cement Mortar Lining (CML), Add	*405.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*729.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*304.11*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0109	EA	30" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	8,540.46	380.23
		For Cement Mortar Lining (CML), Add	*796.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,433.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*597.33*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0110	EA	36" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	15,277.91	394.74
		For Cement Mortar Lining (CML), Add	*1,467.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,642.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,100.99*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0111 Mechanical Joint x Plain End (MJxPE) Ductile Iron 22-1/2 Degree Elbow *(33 14 13 13-0002)*

33 14 13 13-0112	EA	3" Mechanical Joint x Plain End (MJxPE) Ductile Iron 22-1/2 Degree Elbow	186.16	43.71
		For Cement Mortar Lining (CML), Add	*11.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*21.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.99*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0113	EA	4" Mechanical Joint x Plain End (MJxPE) Ductile Iron 22-1/2 Degree Elbow	202.30	52.24
		For Cement Mortar Lining (CML), Add	*12.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*22.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.24*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0114	EA	6" Mechanical Joint x Plain End (MJxPE) Ductile Iron 22-1/2 Degree Elbow	326.65	77.21
		For Cement Mortar Lining (CML), Add	*20.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*37.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*15.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0115	EA	8" Mechanical Joint x Plain End (MJxPE) Ductile Iron 22-1/2 Degree Elbow	473.85	91.57
		For Cement Mortar Lining (CML), Add	*33.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*60.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*25.13*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0116	EA	10" Mechanical Joint x Plain End (MJxPE) Ductile Iron 22-1/2 Degree Elbow	651.02	101.17
		For Cement Mortar Lining (CML), Add	*49.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*89.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*37.33*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0117	EA	12" Mechanical Joint x Plain End (MJxPE) Ductile Iron 22-1/2 Degree Elbow	869.95	118.68
		For Cement Mortar Lining (CML), Add	*69.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*124.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*51.77*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0118	EA	14" Mechanical Joint x Plain End (MJxPE) Ductile Iron 22-1/2 Degree Elbow	1,473.94	133.08
		For Cement Mortar Lining (CML), Add	*127.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*229.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*95.42*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0119	EA	16" Mechanical Joint x Plain End (MJxPE) Ductile Iron 22-1/2 Degree Elbow	2,226.59	152.09
		For Cement Mortar Lining (CML), Add	*199.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*359.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*149.71*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0120	EA	18" Mechanical Joint x Plain End (MJxPE) Ductile Iron 22-1/2 Degree Elbow	2,627.49	212.93
		For Cement Mortar Lining (CML), Add	*230.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*414.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*172.87*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0121	EA	20" Mechanical Joint x Plain End (MJxPE) Ductile Iron 22-1/2 Degree Elbow	3,331.57	266.16
		For Cement Mortar Lining (CML), Add	*292.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*527.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*219.62*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0122	EA	24" Mechanical Joint x Plain End (MJxPE) Ductile Iron 22-1/2 Degree Elbow	4,186.43	354.42
		For Cement Mortar Lining (CML), Add	*364.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*656.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*273.70*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0123	EA	30" Mechanical Joint x Plain End (MJxPE) Ductile Iron 22-1/2 Degree Elbow	7,345.81	380.23
		For Cement Mortar Lining (CML), Add	*676.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,218.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*507.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0124	EA	36" Mechanical Joint x Plain End (MJxPE) Ductile Iron 22-1/2 Degree Elbow	12,341.94	394.74
		For Cement Mortar Lining (CML), Add	*1,174.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,113.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*880.79*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0125 Mechanical Joint x Plain End (MJxPE) Ductile Iron 11-1/4 Degree Elbow *(33 14 13 13-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0126	EA	3" Mechanical Joint x Plain End (MJxPE) Ductile Iron 11-1/4 Degree Elbow	184.94	43.71
		For Cement Mortar Lining (CML), Add	*11.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*21.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.90*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0127	EA	4" Mechanical Joint x Plain End (MJxPE) Ductile Iron 11-1/4 Degree Elbow	201.04	52.24
		For Cement Mortar Lining (CML), Add	*12.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*21.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.14*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0128	EA	6" Mechanical Joint x Plain End (MJxPE) Ductile Iron 11-1/4 Degree Elbow	324.51	77.21
		For Cement Mortar Lining (CML), Add	*20.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*37.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*15.57*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0129	EA	8" Mechanical Joint x Plain End (MJxPE) Ductile Iron 11-1/4 Degree Elbow	470.41	91.57
		For Cement Mortar Lining (CML), Add	*33.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*59.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*24.87*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0130	EA	10" Mechanical Joint x Plain End (MJxPE) Ductile Iron 11-1/4 Degree Elbow	645.92	101.17
		For Cement Mortar Lining (CML), Add	*49.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*88.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*36.95*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0131	EA	12" Mechanical Joint x Plain End (MJxPE) Ductile Iron 11-1/4 Degree Elbow	862.68	118.68
		For Cement Mortar Lining (CML), Add	*68.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*122.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*51.22*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0132	EA	14" Mechanical Joint x Plain End (MJxPE) Ductile Iron 11-1/4 Degree Elbow	1,460.34	133.08
		For Cement Mortar Lining (CML), Add	*125.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*226.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*94.40*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0133	EA	16" Mechanical Joint x Plain End (MJxPE) Ductile Iron 11-1/4 Degree Elbow	2,205.01	152.09
		For Cement Mortar Lining (CML), Add	*197.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*355.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*148.09*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0134	EA	18" Mechanical Joint x Plain End (MJxPE) Ductile Iron 11-1/4 Degree Elbow	2,602.57	212.93
		For Cement Mortar Lining (CML), Add	*228.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*410.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*171.00*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0135	EA	20" Mechanical Joint x Plain End (MJxPE) Ductile Iron 11-1/4 Degree Elbow	3,299.03	266.16
		For Cement Mortar Lining (CML), Add	*289.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*521.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*217.18*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0136	EA	24" Mechanical Joint x Plain End (MJxPE) Ductile Iron 11-1/4 Degree Elbow	4,145.88	354.42
		For Cement Mortar Lining (CML), Add	*360.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*649.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*270.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0137	EA	30" Mechanical Joint x Plain End (MJxPE) Ductile Iron 11-1/4 Degree Elbow	7,266.16	380.23
		For Cement Mortar Lining (CML), Add	*669.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,204.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*501.75*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0138	EA	36" Mechanical Joint x Plain End (MJxPE) Ductile Iron 11-1/4 Degree Elbow	12,195.14	394.74
		For Cement Mortar Lining (CML), Add	*1,159.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,087.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*869.78*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0139		**Mechanical Joint Ductile Iron Tee** *(33 14 13 13-0002)*		
33 14 13 13-0140	EA	3" x 3" Mechanical Joint Ductile Iron Tee	327.15	65.58
		For Cement Mortar Lining (CML), Add	*22.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*41.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*17.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0141	EA	4" x 3" Mechanical Joint Ductile Iron Tee	338.83	73.29
		For Cement Mortar Lining (CML), Add	*22.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*41.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*17.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0142	EA	4" x 4" Mechanical Joint Ductile Iron Tee	307.37	77.21
		For Cement Mortar Lining (CML), Add	*19.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*34.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*14.29*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0143	EA	6" x 3" Mechanical Joint Ductile Iron Tee	410.46	97.24
		For Cement Mortar Lining (CML), Add	*26.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*47.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*19.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0144	EA	6" x 4" Mechanical Joint Ductile Iron Tee	473.48	101.27
		For Cement Mortar Lining (CML), Add	*32.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*57.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*24.01*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0145	EA	6" x 6" Mechanical Joint Ductile Iron Tee	515.31	113.36
		For Cement Mortar Lining (CML), Add	*34.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*61.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*25.77*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0146	EA	8" x 4" Mechanical Joint Ductile Iron Tee	548.92	117.34
		For Cement Mortar Lining (CML), Add	*37.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*66.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*27.83*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0147	EA	8" x 6" Mechanical Joint Ductile Iron Tee	624.12	129.41
		For Cement Mortar Lining (CML), Add	*42.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*77.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*32.10*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0148	EA	8" x 8" Mechanical Joint Ductile Iron Tee	724.67	137.48
		For Cement Mortar Lining (CML), Add	*51.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*92.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*38.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0149	EA	10" x 4" Mechanical Joint Ductile Iron Tee	759.93	125.73
		For Cement Mortar Lining (CML), Add	*56.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*102.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*42.71*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0150	EA	10" x 6" Mechanical Joint Ductile Iron Tee	759.55	137.13
		For Cement Mortar Lining (CML), Add	*55.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*99.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*41.38*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0151	EA	10" x 8" Mechanical Joint Ductile Iron Tee	865.33	144.74
		For Cement Mortar Lining (CML), Add	*64.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*116.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*48.45*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0152	EA	10" x 10" Mechanical Joint Ductile Iron Tee	968.75	152.09
		For Cement Mortar Lining (CML), Add	*73.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*132.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*55.37*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0153	EA	12" x 4" Mechanical Joint Ductile Iron Tee	910.62	140.94
		For Cement Mortar Lining (CML), Add	*69.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*125.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*52.28*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0154	EA	12" x 6" Mechanical Joint Ductile Iron Tee	1,035.89	152.34
		For Cement Mortar Lining (CML), Add	*80.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*144.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*60.38*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0155	EA	12" x 8" Mechanical Joint Ductile Iron Tee	1,277.16	159.95
		For Cement Mortar Lining (CML), Add	*103.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*186.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*77.61*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0156	EA	12" x 10" Mechanical Joint Ductile Iron Tee	1,368.79	167.30
		For Cement Mortar Lining (CML), Add	*111.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*200.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*83.65*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0157	EA	12" x 12" Mechanical Joint Ductile Iron Tee	1,295.89	174.91
		For Cement Mortar Lining (CML), Add	*103.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*185.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*77.32*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0158	EA	14" x 6" Mechanical Joint Ductile Iron Tee	1,384.27	177.51
		For Cement Mortar Lining (CML), Add	*111.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*200.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*83.65*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0159	EA	14" x 8" Mechanical Joint Ductile Iron Tee	1,543.08	185.13
		For Cement Mortar Lining (CML), Add	*126.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*227.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*94.69*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0160	EA	14" x 10" Mechanical Joint Ductile Iron Tee	1,978.34	192.47
		For Cement Mortar Lining (CML), Add	*168.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*303.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*126.50*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0161	EA	14" x 12" Mechanical Joint Ductile Iron Tee	2,115.53	200.07
		For Cement Mortar Lining (CML), Add	*181.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*326.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*135.93*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0162	EA	14" x 14" Mechanical Joint Ductile Iron Tee	2,038.39	212.70
		For Cement Mortar Lining (CML), Add	*171.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*308.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*128.71*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0163	EA	16" x 6" Mechanical Joint Ductile Iron Tee	1,761.82	212.92
		For Cement Mortar Lining (CML), Add	*143.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*259.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*107.95*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0164	EA	16" x 8" Mechanical Joint Ductile Iron Tee	1,897.18	220.53
		For Cement Mortar Lining (CML), Add	*156.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*281.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*117.23*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0165	EA	16" x 10" Mechanical Joint Ductile Iron Tee	2,214.62	227.87
		For Cement Mortar Lining (CML), Add	*186.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*336.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*140.20*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0166	EA	16" x 12" Mechanical Joint Ductile Iron Tee	2,426.42	235.48
		For Cement Mortar Lining (CML), Add	*206.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*372.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*155.22*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0167	EA	16" x 14" Mechanical Joint Ductile Iron Tee	2,926.58	248.07
		For Cement Mortar Lining (CML), Add	*255.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*459.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*191.30*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0168	EA	16" x 16" Mechanical Joint Ductile Iron Tee	2,760.96	265.81
		For Cement Mortar Lining (CML), Add	*235.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*424.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*176.87*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0169	EA	18" x 6" Mechanical Joint Ductile Iron Tee	2,451.09	272.50
		For Cement Mortar Lining (CML), Add	*203.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*366.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*152.87*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0170	EA	18" x 8" Mechanical Joint Ductile Iron Tee	2,631.49	280.10
		For Cement Mortar Lining (CML), Add	*220.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*397.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*165.53*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0171	EA	18" x 10" Mechanical Joint Ductile Iron Tee	2,850.77	287.46
		For Cement Mortar Lining (CML), Add	*241.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*434.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*181.14*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0172	EA	18" x 12" Mechanical Joint Ductile Iron Tee	3,068.47	295.06
		For Cement Mortar Lining (CML), Add	*262.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*471.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*196.61*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0173	EA	18" x 14" Mechanical Joint Ductile Iron Tee	3,156.26	307.64
		For Cement Mortar Lining (CML), Add	*269.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*484.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*201.76*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0174	EA	18" x 16" Mechanical Joint Ductile Iron Tee	3,369.62	325.35
		For Cement Mortar Lining (CML), Add	*287.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*517.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*215.75*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0175	EA	18" x 18" Mechanical Joint Ductile Iron Tee	3,950.82	355.11
		For Cement Mortar Lining (CML), Add	*341.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*614.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*255.96*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0176	EA	20" x 6" Mechanical Joint Ductile Iron Tee	2,885.54	390.76
		For Cement Mortar Lining (CML), Add	*229.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*412.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*172.01*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0177	EA	20" x 8" Mechanical Joint Ductile Iron Tee	2,948.14	398.38
		For Cement Mortar Lining (CML), Add	*234.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*422.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*175.84*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0178	EA	20" x 10" Mechanical Joint Ductile Iron Tee	3,216.49	405.72
		For Cement Mortar Lining (CML), Add	*260.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*468.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*195.13*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0179	EA	20" x 12" Mechanical Joint Ductile Iron Tee	3,483.29	413.32
		For Cement Mortar Lining (CML), Add	*285.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*514.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*214.28*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0180	EA	20" x 14" Mechanical Joint Ductile Iron Tee	3,523.96	425.91
		For Cement Mortar Lining (CML), Add	*287.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*518.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*215.90*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0181	EA	20" x 16" Mechanical Joint Ductile Iron Tee	3,574.35	443.61
		For Cement Mortar Lining (CML), Add	*290.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*522.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*217.67*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0182	EA	20" x 18" Mechanical Joint Ductile Iron Tee	4,507.02	473.40
		For Cement Mortar Lining (CML), Add	*378.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*682.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*284.23*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0183	EA	20" x 20" Mechanical Joint Ductile Iron Tee	3,952.56	532.55
		For Cement Mortar Lining (CML), Add	*314.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*566.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*235.93*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0184	EA	24" x 6" Mechanical Joint Ductile Iron Tee	3,529.56	508.67
		For Cement Mortar Lining (CML), Add	*275.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*496.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*206.91*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0185	EA	24" x 8" Mechanical Joint Ductile Iron Tee	3,576.44	517.00
		For Cement Mortar Lining (CML), Add	*279.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*502.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*209.57*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0186	EA	24" x 10" Mechanical Joint Ductile Iron Tee	3,948.88	523.62
		For Cement Mortar Lining (CML), Add	*315.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*567.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*236.66*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0187	EA	24" x 12" Mechanical Joint Ductile Iron Tee	4,048.75	531.23
		For Cement Mortar Lining (CML), Add	*324.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*583.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*243.29*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0188	EA	24" x 14" Mechanical Joint Ductile Iron Tee	4,566.56	543.81
		For Cement Mortar Lining (CML), Add	*374.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*673.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*280.70*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0189	EA	24" x 16" Mechanical Joint Ductile Iron Tee	4,937.03	561.50
		For Cement Mortar Lining (CML), Add	*408.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*735.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*306.47*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0190	EA	24" x 18" Mechanical Joint Ductile Iron Tee	5,618.37	591.31
		For Cement Mortar Lining (CML), Add	*472.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*850.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*354.18*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0191	EA	24" x 20" Mechanical Joint Ductile Iron Tee	6,228.32	650.43
		For Cement Mortar Lining (CML), Add	*524.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*943.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*393.21*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0192	EA	24" x 24" Mechanical Joint Ductile Iron Tee	5,744.27	709.41
		For Cement Mortar Lining (CML), Add	*466.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*840.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*350.21*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0193	EA	30" x 8" Mechanical Joint Ductile Iron Tee	6,177.51	600.06
		For Cement Mortar Lining (CML), Add	*526.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*948.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*395.13*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0194	EA	30" x 10" Mechanical Joint Ductile Iron Tee	6,512.63	607.40
		For Cement Mortar Lining (CML), Add	*559.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,006.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*419.42*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0195	EA	30" x 12" Mechanical Joint Ductile Iron Tee	6,848.16	615.01
		For Cement Mortar Lining (CML), Add	*591.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,064.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*443.72*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0196	EA	30" x 14" Mechanical Joint Ductile Iron Tee	7,326.71	627.60
		For Cement Mortar Lining (CML), Add	*637.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,147.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*478.19*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0197	EA	30" x 16" Mechanical Joint Ductile Iron Tee	7,844.43	835.01
		For Cement Mortar Lining (CML), Add	*686.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,236.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*515.00*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0198	EA	30" x 18" Mechanical Joint Ductile Iron Tee	8,054.51	675.08
		For Cement Mortar Lining (CML), Add	*703.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,265.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*527.37*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0199	EA	30" x 20" Mechanical Joint Ductile Iron Tee	8,373.84	734.22
		For Cement Mortar Lining (CML), Add	*726.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,307.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*544.60*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0200	EA	30" x 24" Mechanical Joint Ductile Iron Tee	8,795.01	793.17
		For Cement Mortar Lining (CML), Add	*759.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,366.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*569.49*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0201	EA	30" x 30" Mechanical Joint Ductile Iron Tee	11,053.79	835.01
		For Cement Mortar Lining (CML), Add	*978.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,761.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*734.14*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0202	EA	30" x 6" Mechanical Joint Ductile Iron Tee	6,464.45	592.45
		For Cement Mortar Lining (CML), Add	*556.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,002.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*417.51*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0203	EA	36" x 8" Mechanical Joint Ductile Iron Tee	7,563.08	665.66
		For Cement Mortar Lining (CML), Add	*655.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,179.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*491.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0204	EA	36" x 10" Mechanical Joint Ductile Iron Tee	8,426.41	673.00
		For Cement Mortar Lining (CML), Add	*740.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,333.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*555.50*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0205	EA	36" x 12" Mechanical Joint Ductile Iron Tee	8,893.48	680.61
		For Cement Mortar Lining (CML), Add	*786.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,415.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*589.67*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0206	EA	36" x 14" Mechanical Joint Ductile Iron Tee	9,228.69	693.19
		For Cement Mortar Lining (CML), Add	*817.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,472.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*613.38*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0207	EA	36" x 16" Mechanical Joint Ductile Iron Tee	9,567.73	710.91
		For Cement Mortar Lining (CML), Add	*849.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,528.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*636.80*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0208	EA	36" x 18" Mechanical Joint Ductile Iron Tee	10,217.65	740.69
		For Cement Mortar Lining (CML), Add	*909.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,637.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*682.16*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0209	EA	36" x 20" Mechanical Joint Ductile Iron Tee	10,914.00	799.82
		For Cement Mortar Lining (CML), Add	*970.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,746.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*727.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0210	EA	36" x 24" Mechanical Joint Ductile Iron Tee	12,079.37	858.76
		For Cement Mortar Lining (CML), Add	*1,077.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,940.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*808.37*	
		Note: ANSI/AWWA C151/A21.51		

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LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0211	EA	36" x 30" Mechanical Joint Ductile Iron Tee	13,362.24	933.52
		For Cement Mortar Lining (CML), Add	*1,199.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,159.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*899.82*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0212	EA	36" x 36" Mechanical Joint Ductile Iron Tee	15,620.99	933.52
		For Cement Mortar Lining (CML), Add	*1,420.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,557.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,065.50*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0213	EA	42" x 12" Mechanical Joint Ductile Iron Tee	17,612.45	717.27
		For Cement Mortar Lining (CML), Add	*1,652.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,974.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,239.42*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0214	EA	42" x 14" Mechanical Joint Ductile Iron Tee	17,965.33	729.87
		For Cement Mortar Lining (CML), Add	*1,685.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,034.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,264.46*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0215	EA	42" x 16" Mechanical Joint Ductile Iron Tee	19,977.35	747.56
		For Cement Mortar Lining (CML), Add	*1,884.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,392.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,413.35*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0216	EA	42" x 18" Mechanical Joint Ductile Iron Tee	18,667.61	777.35
		For Cement Mortar Lining (CML), Add	*1,748.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,148.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,311.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0217	EA	42" x 20" Mechanical Joint Ductile Iron Tee	18,757.20	836.49
		For Cement Mortar Lining (CML), Add	*1,748.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,148.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,311.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0218	EA	42" x 24" Mechanical Joint Ductile Iron Tee	19,166.58	895.44
		For Cement Mortar Lining (CML), Add	*1,780.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,205.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,335.74*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0219	EA	42" x 30" Mechanical Joint Ductile Iron Tee	23,267.21	937.33
		For Cement Mortar Lining (CML), Add	*2,184.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,932.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,638.53*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0220	EA	42" x 36" Mechanical Joint Ductile Iron Tee	24,233.91	970.14
		For Cement Mortar Lining (CML), Add	*2,276.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,097.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,707.30*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0221	EA	42" x 42" Mechanical Joint Ductile Iron Tee	25,642.10	988.49
		For Cement Mortar Lining (CML), Add	*2,414.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,346.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,810.83*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0222	EA	48" x 12" Mechanical Joint Ductile Iron Tee	20,762.23	775.72
		For Cement Mortar Lining (CML), Add	*1,958.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,525.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,469.02*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0223	EA	48" x 14" Mechanical Joint Ductile Iron Tee	21,134.75	788.30
		For Cement Mortar Lining (CML), Add	*1,994.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,589.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,495.53*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0224	EA	48" x 16" Mechanical Joint Ductile Iron Tee	21,662.30	806.01
		For Cement Mortar Lining (CML), Add	*2,044.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,679.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,533.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0225	EA	48" x 18" Mechanical Joint Ductile Iron Tee	22,206.18	835.79
		For Cement Mortar Lining (CML), Add	*2,093.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,769.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,570.49*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0226	EA	48" x 20" Mechanical Joint Ductile Iron Tee	22,796.50	894.92
		For Cement Mortar Lining (CML), Add	*2,144.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,859.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,608.04*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0227	EA	48" x 24" Mechanical Joint Ductile Iron Tee	22,952.57	953.87
		For Cement Mortar Lining (CML), Add	*2,150.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,871.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,613.05*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0228	EA	48" x 30" Mechanical Joint Ductile Iron Tee	27,962.36	995.76
		For Cement Mortar Lining (CML), Add	*2,645.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,761.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,984.02*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0229	EA	48" x 36" Mechanical Joint Ductile Iron Tee	31,899.98	1,028.57
		For Cement Mortar Lining (CML), Add	*3,034.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,461.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,275.62*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0230	EA	48" x 42" Mechanical Joint Ductile Iron Tee	33,467.23	1,046.90
		For Cement Mortar Lining (CML), Add	*3,188.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,738.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,391.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0231	EA	48" x 48" Mechanical Joint Ductile Iron Tee	34,024.00	1,076.16
		For Cement Mortar Lining (CML), Add	*3,239.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,830.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,429.51*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0232 Mechanical Joint Ductile Iron Wye (Laterals) *(33 14 13 13-0002)*

33 14 13 13-0233	EA	4" x 3" Mechanical Joint Ductile Iron Wye (Lateral)	277.96	73.29
		For Cement Mortar Lining (CML), Add	*16.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*30.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*12.52*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0234	EA	4" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	429.10	77.15
		For Cement Mortar Lining (CML), Add	*31.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*56.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*23.42*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0235	EA	6" x 3" Mechanical Joint Ductile Iron Wye (Lateral)	410.46	97.24
		For Cement Mortar Lining (CML), Add	*26.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*47.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*19.73*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0236	EA	6" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	475.44	101.27
		For Cement Mortar Lining (CML), Add	*32.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*57.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*24.15*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0237	EA	6" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	642.94	113.31
		For Cement Mortar Lining (CML), Add	*47.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*84.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*35.34*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0238	EA	8" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	827.75	117.34
		For Cement Mortar Lining (CML), Add	*65.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*116.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*48.75*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0239	EA	8" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	739.98	129.41
		For Cement Mortar Lining (CML), Add	*54.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*97.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*40.79*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0240	EA	8" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	895.50	137.43
		For Cement Mortar Lining (CML), Add	*68.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*123.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*51.54*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0241	EA	10" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	1,284.22	125.73
		For Cement Mortar Lining (CML), Add	*109.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*196.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*82.03*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0242	EA	10" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	1,358.45	137.13
		For Cement Mortar Lining (CML), Add	*115.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*207.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*86.30*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0243	EA	10" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	1,562.41	144.74
		For Cement Mortar Lining (CML), Add	*134.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*241.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*100.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0244	EA	10" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	1,760.08	152.09
		For Cement Mortar Lining (CML), Add	*152.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*275.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*114.72*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0245	EA	12" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	1,641.08	140.94
		For Cement Mortar Lining (CML), Add	*142.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*256.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*107.07*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0246	EA	12" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	1,856.67	152.34
		For Cement Mortar Lining (CML), Add	*162.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*292.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*121.94*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0247	EA	12" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	2,239.32	159.95
		For Cement Mortar Lining (CML), Add	*199.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*359.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*149.77*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0248	EA	12" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	2,303.47	167.30
		For Cement Mortar Lining (CML), Add	*205.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*369.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*153.75*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0249	EA	12" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	2,085.26	174.89
		For Cement Mortar Lining (CML), Add	*182.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*327.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*136.52*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0250	EA	14" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	2,460.33	177.51
		For Cement Mortar Lining (CML), Add	*219.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*394.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*164.35*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0251	EA	14" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	2,817.46	185.13
		For Cement Mortar Lining (CML), Add	*253.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*456.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*190.27*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0252	EA	14" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	3,682.75	192.47
		For Cement Mortar Lining (CML), Add	*339.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*610.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*254.34*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0253	EA	14" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	3,945.61	200.07
		For Cement Mortar Lining (CML), Add	*364.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*655.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*273.19*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0254	EA	14" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	3,854.72	212.66
		For Cement Mortar Lining (CML), Add	*353.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*635.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*264.94*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0255	EA	16" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	2,525.77	212.92
		For Cement Mortar Lining (CML), Add	*220.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*396.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*165.24*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0256	EA	16" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	2,780.80	220.53
		For Cement Mortar Lining (CML), Add	*244.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*440.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*183.50*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0257	EA	16" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	3,280.85	227.87
		For Cement Mortar Lining (CML), Add	*293.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*528.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*220.17*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0258	EA	16" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	3,671.35	235.48
		For Cement Mortar Lining (CML), Add	*331.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*596.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*248.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0259	EA	16" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	4,597.60	248.07
		For Cement Mortar Lining (CML), Add	*422.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*759.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*316.63*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0260	EA	16" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	4,432.00	265.77
		For Cement Mortar Lining (CML), Add	*402.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*725.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*302.20*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0261	EA	18" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	3,980.73	272.50
		For Cement Mortar Lining (CML), Add	*356.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*642.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*267.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0262	EA	18" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	4,286.80	280.10
		For Cement Mortar Lining (CML), Add	*386.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*695.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*289.68*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0263	EA	18" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	4,582.66	287.46
		For Cement Mortar Lining (CML), Add	*414.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*746.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*311.03*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0264	EA	18" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	4,904.43	295.06
		For Cement Mortar Lining (CML), Add	*445.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*802.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*334.30*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0265	EA	18" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	4,958.85	307.64
		For Cement Mortar Lining (CML), Add	*449.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*808.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*336.95*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0266	EA	18" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	5,009.23	325.35
		For Cement Mortar Lining (CML), Add	*451.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*812.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*338.72*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0267	EA	18" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	4,579.18	355.14
		For Cement Mortar Lining (CML), Add	*404.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*727.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*303.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0268	EA	20" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	4,719.55	390.76
		For Cement Mortar Lining (CML), Add	*412.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*742.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*309.56*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0269	EA	20" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	4,823.38	398.38
		For Cement Mortar Lining (CML), Add	*421.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*759.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*316.48*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0270	EA	20" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	5,297.91	405.72
		For Cement Mortar Lining (CML), Add	*468.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*842.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*351.24*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0271	EA	20" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	5,768.92	413.32
		For Cement Mortar Lining (CML), Add	*514.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*925.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*385.70*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0272	EA	20" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	5,827.26	425.91
		For Cement Mortar Lining (CML), Add	*518.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*932.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*388.65*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0273	EA	20" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	5,895.33	443.61
		For Cement Mortar Lining (CML), Add	*522.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*940.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*391.74*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0274	EA	20" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	6,831.92	473.40
		For Cement Mortar Lining (CML), Add	*611.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,100.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*458.60*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0275	EA	20" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	6,469.89	532.53
		For Cement Mortar Lining (CML), Add	*566.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,019.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*424.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0276	EA	24" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	5,736.64	508.67
		For Cement Mortar Lining (CML), Add	*496.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*893.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*372.45*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0277	EA	24" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	5,811.02	516.27
		For Cement Mortar Lining (CML), Add	*502.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*905.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*377.16*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0278	EA	24" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	6,472.10	523.62
		For Cement Mortar Lining (CML), Add	*567.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,022.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*425.90*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0279	EA	24" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	6,774.22	531.23
		For Cement Mortar Lining (CML), Add	*596.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,074.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*447.70*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0280	EA	24" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	7,822.21	543.81
		For Cement Mortar Lining (CML), Add	*699.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,259.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*524.87*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0281	EA	24" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	8,691.43	561.50
		For Cement Mortar Lining (CML), Add	*784.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,411.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*588.05*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0282	EA	24" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	9,726.22	591.31
		For Cement Mortar Lining (CML), Add	*883.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,589.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*662.27*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0283	EA	24" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	10,685.69	650.43
		For Cement Mortar Lining (CML), Add	*970.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,746.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*727.51*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0284	EA	24" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	9,479.04	709.38
		For Cement Mortar Lining (CML), Add	*840.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,512.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*630.32*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0285	EA	30" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	11,852.56	592.45
		For Cement Mortar Lining (CML), Add	*1,095.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,971.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*821.62*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0286	EA	30" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	13,289.67	600.06
		For Cement Mortar Lining (CML), Add	*1,238.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,228.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*928.54*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0287	EA	30" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	14,062.67	607.40
		For Cement Mortar Lining (CML), Add	*1,314.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,365.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*985.68*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0288	EA	30" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	14,836.08	615.01
		For Cement Mortar Lining (CML), Add	*1,390.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,502.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,042.82*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0289	EA	30" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	15,933.17	627.60
		For Cement Mortar Lining (CML), Add	*1,498.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,696.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,123.67*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0290	EA	30" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	17,114.58	645.29
		For Cement Mortar Lining (CML), Add	*1,613.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,904.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,210.26*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0291	EA	30" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	17,546.55	675.08
		For Cement Mortar Lining (CML), Add	*1,652.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,974.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,239.28*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0292	EA	30" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	18,176.13	734.22
		For Cement Mortar Lining (CML), Add	*1,706.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,071.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,279.78*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0293	EA	30" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	19,045.00	793.17
		For Cement Mortar Lining (CML), Add	*1,784.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,211.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,338.24*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0294	EA	30" x 30" Mechanical Joint Ductile Iron Wye (Lateral)	20,642.04	835.06
		For Cement Mortar Lining (CML), Add	*1,937.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,487.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,453.26*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0295	EA	36" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	22,652.43	680.61
		For Cement Mortar Lining (CML), Add	*2,162.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,891.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,621.59*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0296	EA	36" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	23,541.37	693.19
		For Cement Mortar Lining (CML), Add	*2,249.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,048.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,686.83*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0297	EA	36" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	24,426.29	710.91
		For Cement Mortar Lining (CML), Add	*2,334.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,202.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,751.19*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0298	EA	36" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	26,134.59	740.69
		For Cement Mortar Lining (CML), Add	*2,501.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,502.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,875.93*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0299	EA	36" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	27,893.25	799.82
		For Cement Mortar Lining (CML), Add	*2,668.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,802.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,001.11*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0300	EA	36" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	30,941.71	858.76
		For Cement Mortar Lining (CML), Add	*2,964.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,335.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,223.04*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0301	EA	36" x 30" Mechanical Joint Ductile Iron Wye (Lateral)	34,663.37	900.66
		For Cement Mortar Lining (CML), Add	*3,329.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,993.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,497.40*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0302	EA	36" x 36" Mechanical Joint Ductile Iron Wye (Lateral)	41,371.64	933.47
		For Cement Mortar Lining (CML), Add	*3,995.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*7,192.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,996.80*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0303	EA	42" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	36,404.07	836.49
		For Cement Mortar Lining (CML), Add	*3,513.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*6,324.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,635.25*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0304	EA	42" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	37,312.21	895.44
		For Cement Mortar Lining (CML), Add	*3,595.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*6,471.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,696.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0305	EA	42" x 30" Mechanical Joint Ductile Iron Wye (Lateral)	39,857.67	937.33
		For Cement Mortar Lining (CML), Add	*3,843.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*6,918.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,882.81*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0306	EA	42" x 36" Mechanical Joint Ductile Iron Wye (Lateral)	45,582.17	970.14
		For Cement Mortar Lining (CML), Add	*4,411.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*7,940.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3,308.42*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0307	EA	42" x 42" Mechanical Joint Ductile Iron Wye (Lateral)	53,766.75	988.48
		For Cement Mortar Lining (CML), Add	*5,226.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*9,408.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3,920.18*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0308	EA	48" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	35,911.38	894.92
		For Cement Mortar Lining (CML), Add	*3,455.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*6,219.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,591.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0309	EA	48" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	40,674.06	953.87
		For Cement Mortar Lining (CML), Add	*3,922.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*7,061.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,942.16*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0310	EA	48" x 30" Mechanical Joint Ductile Iron Wye (Lateral)	43,351.09	995.76
		For Cement Mortar Lining (CML), Add	*4,184.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*7,531.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3,138.18*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0311	EA	48" x 36" Mechanical Joint Ductile Iron Wye (Lateral)	49,419.22	1,028.57
		For Cement Mortar Lining (CML), Add	*4,786.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*8,614.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3,589.56*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0312	EA	48" x 42" Mechanical Joint Ductile Iron Wye (Lateral)	64,625.63	1,046.90
		For Cement Mortar Lining (CML), Add	*6,303.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*11,347.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4,727.96*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0313	EA	48" x 48" Mechanical Joint Ductile Iron Wye (Lateral)	70,953.41	1,076.12
		For Cement Mortar Lining (CML), Add	*6,932.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*12,478.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*5,199.22*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0314 Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee *(33 14 13 13-0002)*

33 14 13 13-0315	EA	6" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	568.33	113.36
		For Cement Mortar Lining (CML), Add	*39.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*71.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*29.75*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*29.75*	
33 14 13 13-0316	EA	8" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	675.18	129.41
		For Cement Mortar Lining (CML), Add	*47.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*86.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*35.93*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*35.93*	
33 14 13 13-0317	EA	10" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	1,024.64	137.13
		For Cement Mortar Lining (CML), Add	*81.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*147.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*61.26*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*61.26*	
33 14 13 13-0318	EA	12" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	1,151.74	152.34
		For Cement Mortar Lining (CML), Add	*92.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*165.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*69.07*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*69.07*	
33 14 13 13-0319	EA	14" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	1,572.78	177.51
		For Cement Mortar Lining (CML), Add	*130.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*234.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*97.79*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*97.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0320	EA	16" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	2,009.34	212.92
		For Cement Mortar Lining (CML), Add	*168.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*303.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*126.50*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*126.50*	
33 14 13 13-0321	EA	18" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	2,466.80	272.50
		For Cement Mortar Lining (CML), Add	*205.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*369.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*154.04*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*154.04*	
33 14 13 13-0322	EA	20" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	3,456.95	390.76
		For Cement Mortar Lining (CML), Add	*286.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*515.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*214.87*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*214.87*	
33 14 13 13-0323	EA	24" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	4,016.97	508.67
		For Cement Mortar Lining (CML), Add	*328.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*590.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*246.24*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*246.24*	
33 14 13 13-0324	EA	30" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	7,870.38	592.45
		For Cement Mortar Lining (CML), Add	*697.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,255.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*522.96*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*522.96*	

33 14 13 13-0325 Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee *(33 14 13 13-0002)*

33 14 13 13-0326	EA	6" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee	509.42	113.36
		Note: Includes swivel gland.		
		For Cement Mortar Lining (CML), Add	*33.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*60.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*25.33*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*25.33*	
33 14 13 13-0327	EA	8" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee	596.63	129.41
		Note: Includes swivel gland.		
		For Cement Mortar Lining (CML), Add	*40.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*72.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*30.04*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*30.04*	
33 14 13 13-0328	EA	10" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee	851.84	137.13
		Note: Includes swivel gland.		
		For Cement Mortar Lining (CML), Add	*64.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*115.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*48.30*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*48.30*	
33 14 13 13-0329	EA	12" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee	1,055.52	152.34
		Note: Includes swivel gland.		
		For Cement Mortar Lining (CML), Add	*82.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*148.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*61.85*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*61.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0330	EA	14" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee	1,329.29	177.51
		Note: Includes swivel gland.		
		For Cement Mortar Lining (CML), Add	*106.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*190.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*79.53*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*79.53*	
33 14 13 13-0331	EA	16" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee	1,679.46	212.92
		Note: Includes swivel gland.		
		For Cement Mortar Lining (CML), Add	*135.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*244.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*101.76*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*101.76*	
33 14 13 13-0332	EA	18" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee	2,170.29	272.50
		Note: Includes swivel gland.		
		For Cement Mortar Lining (CML), Add	*175.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*316.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*131.81*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*131.81*	
33 14 13 13-0333	EA	20" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee	2,363.23	390.76
		Note: Includes swivel gland.		
		For Cement Mortar Lining (CML), Add	*177.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*318.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*132.84*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*132.84*	
33 14 13 13-0334	EA	24" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee	3,284.55	508.67
		Note: Includes swivel gland.		
		For Cement Mortar Lining (CML), Add	*255.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*459.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*191.30*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*191.30*	

33 14 13 13-0335 Mechanical Joint Ductile Iron Cross *(33 14 13 13-0002)*

33 14 13 13-0336	EA	3" x 3" Mechanical Joint Ductile Iron Cross	385.79	87.44
		For Cement Mortar Lining (CML), Add	*25.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*45.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*19.00*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0337	EA	4" x 3" Mechanical Joint Ductile Iron Cross	468.16	95.15
		For Cement Mortar Lining (CML), Add	*32.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*58.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*24.30*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0338	EA	4" x 4" Mechanical Joint Ductile Iron Cross	556.53	96.44
		For Cement Mortar Lining (CML), Add	*41.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*73.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*30.78*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0339	EA	6" x 3" Mechanical Joint Ductile Iron Cross	663.76	119.21
		For Cement Mortar Lining (CML), Add	*48.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*86.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*36.23*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0340	EA	6" x 4" Mechanical Joint Ductile Iron Cross	642.53	128.59
		For Cement Mortar Lining (CML), Add	*44.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*80.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*33.58*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0341	EA	6" x 6" Mechanical Joint Ductile Iron Cross	746.21	160.73
		For Cement Mortar Lining (CML), Add	*50.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*90.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*37.70*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0342	EA	8" x 4" Mechanical Joint Ductile Iron Cross	658.86	140.65
		For Cement Mortar Lining (CML), Add	*44.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*80.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*33.43*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0343	EA	8" x 6" Mechanical Joint Ductile Iron Cross	782.17	172.80
		For Cement Mortar Lining (CML), Add	*52.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*93.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*39.03*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0344	EA	8" x 8" Mechanical Joint Ductile Iron Cross	827.94	184.85
		For Cement Mortar Lining (CML), Add	*54.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*98.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*41.09*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0345	EA	10" x 4" Mechanical Joint Ductile Iron Cross	804.02	147.04
		For Cement Mortar Lining (CML), Add	*58.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*104.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*43.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0346	EA	10" x 6" Mechanical Joint Ductile Iron Cross	920.80	177.46
		For Cement Mortar Lining (CML), Add	*65.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*117.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*48.89*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0347	EA	10" x 8" Mechanical Joint Ductile Iron Cross	1,095.17	188.88
		For Cement Mortar Lining (CML), Add	*80.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*145.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*60.68*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0348	EA	10" x 10" Mechanical Joint Ductile Iron Cross	1,185.04	202.79
		For Cement Mortar Lining (CML), Add	*87.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*157.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*65.83*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0349	EA	12 x 4" Mechanical Joint Ductile Iron Cross	976.36	159.70
		For Cement Mortar Lining (CML), Add	*73.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*132.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*55.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0350	EA	12" x 6" Mechanical Joint Ductile Iron Cross	1,134.36	190.11
		For Cement Mortar Lining (CML), Add	*84.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*152.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*63.47*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0351	EA	12" x 8" Mechanical Joint Ductile Iron Cross	1,640.60	201.54
		For Cement Mortar Lining (CML), Add	*133.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*240.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*100.14*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0352	EA	12" x 10" Mechanical Joint Ductile Iron Cross	1,661.74	215.49
		For Cement Mortar Lining (CML), Add	*133.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*240.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*100.14*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0353	EA	12" x 12" Mechanical Joint Ductile Iron Cross	1,887.09	228.14
		For Cement Mortar Lining (CML), Add	*154.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*277.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*115.61*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0354	EA	14" x 6" Mechanical Joint Ductile Iron Cross	1,934.86	209.11
		For Cement Mortar Lining (CML), Add	*161.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*291.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*121.35*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0355	EA	14" x 8" Mechanical Joint Ductile Iron Cross	2,278.11	220.53
		For Cement Mortar Lining (CML), Add	*194.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*349.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*145.80*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0356	EA	14" x 10" Mechanical Joint Ductile Iron Cross	2,338.53	234.48
		For Cement Mortar Lining (CML), Add	*198.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*356.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*148.74*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0357	EA	14" x 12" Mechanical Joint Ductile Iron Cross	2,467.66	247.14
		For Cement Mortar Lining (CML), Add	*209.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*376.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*156.99*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0358	EA	14" x 14" Mechanical Joint Ductile Iron Cross	2,730.12	266.16
		For Cement Mortar Lining (CML), Add	*232.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*418.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*174.52*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0359	EA	16" x 6" Mechanical Joint Ductile Iron Cross	2,212.75	235.72
		For Cement Mortar Lining (CML), Add	*185.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*334.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*139.17*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0360	EA	16" x 8" Mechanical Joint Ductile Iron Cross	2,518.70	247.14
		For Cement Mortar Lining (CML), Add	*214.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*385.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*160.82*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0361	EA	16" x 10" Mechanical Joint Ductile Iron Cross	3,016.18	261.08
		For Cement Mortar Lining (CML), Add	*262.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*471.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*196.55*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0362	EA	16" x 12" Mechanical Joint Ductile Iron Cross	3,362.13	273.74
		For Cement Mortar Lining (CML), Add	*294.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*530.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*221.05*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0363	EA	16" x 14" Mechanical Joint Ductile Iron Cross	4,062.47	292.74
		For Cement Mortar Lining (CML), Add	*361.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*651.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*271.42*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0364	EA	16" x 16" Mechanical Joint Ductile Iron Cross	4,756.64	319.39
		For Cement Mortar Lining (CML), Add	*427.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*769.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*320.46*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0365	EA	18" x 6" Mechanical Joint Ductile Iron Cross	3,664.21	278.73
		For Cement Mortar Lining (CML), Add	*324.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*583.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*243.14*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0366	EA	18" x 8" Mechanical Joint Ductile Iron Cross	3,873.96	290.15
		For Cement Mortar Lining (CML), Add	*343.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*618.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*257.58*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0367	EA	18" x 10" Mechanical Joint Ductile Iron Cross	4,056.10	304.09
		For Cement Mortar Lining (CML), Add	*359.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*647.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*269.65*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0368	EA	18" x 12" Mechanical Joint Ductile Iron Cross	4,397.30	316.76
		For Cement Mortar Lining (CML), Add	*391.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*705.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*293.80*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0369	EA	18" x 14" Mechanical Joint Ductile Iron Cross	5,131.02	335.75
		For Cement Mortar Lining (CML), Add	*462.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*832.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*346.67*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0370	EA	18" x 16" Mechanical Joint Ductile Iron Cross	5,461.95	362.35
		For Cement Mortar Lining (CML), Add	*491.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*884.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*368.47*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0371	EA	18" x 18" Mechanical Joint Ductile Iron Cross	5,719.54	405.35
		For Cement Mortar Lining (CML), Add	*510.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*918.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*382.90*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0372	EA	20" x 6" Mechanical Joint Ductile Iron Cross	4,606.32	349.72
		For Cement Mortar Lining (CML), Add	*407.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*733.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*305.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0373	EA	20" x 8" Mechanical Joint Ductile Iron Cross	4,818.02	361.14
		For Cement Mortar Lining (CML), Add	*427.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*768.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*320.31*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0374	EA	20" x 10" Mechanical Joint Ductile Iron Cross	4,966.78	375.09
		For Cement Mortar Lining (CML), Add	*439.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*791.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*329.88*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0375	EA	20" x 12" Mechanical Joint Ductile Iron Cross	5,306.03	387.74
		For Cement Mortar Lining (CML), Add	*471.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*849.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*353.89*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0376	EA	20" x 14" Mechanical Joint Ductile Iron Cross	5,399.61	406.75
		For Cement Mortar Lining (CML), Add	*478.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*861.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*358.75*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0377	EA	20" x 16" Mechanical Joint Ductile Iron Cross	6,531.68	433.35
		For Cement Mortar Lining (CML), Add	*587.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,057.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*440.63*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0378	EA	20" x 18" Mechanical Joint Ductile Iron Cross	6,789.27	476.36
		For Cement Mortar Lining (CML), Add	*606.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,092.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*455.06*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0379	EA	20" x 20" Mechanical Joint Ductile Iron Cross	7,346.51	547.30
		For Cement Mortar Lining (CML), Add	*651.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,173.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*488.79*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0380	EA	24" x 6" Mechanical Joint Ductile Iron Cross	6,280.72	437.48
		For Cement Mortar Lining (CML), Add	*561.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,011.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*421.34*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0381	EA	24" x 8" Mechanical Joint Ductile Iron Cross	6,427.96	448.91
		For Cement Mortar Lining (CML), Add	*574.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,034.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*431.06*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0382	EA	24" x 10" Mechanical Joint Ductile Iron Cross	6,672.59	462.85
		For Cement Mortar Lining (CML), Add	*597.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,074.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*447.85*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0383	EA	24" x 12" Mechanical Joint Ductile Iron Cross	6,884.21	475.50
		For Cement Mortar Lining (CML), Add	*616.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,109.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*462.28*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0384	EA	24" x 14" Mechanical Joint Ductile Iron Cross	7,009.21	494.51
		For Cement Mortar Lining (CML), Add	*626.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,126.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*469.50*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0385	EA	24" x 16" Mechanical Joint Ductile Iron Cross	7,275.32	521.11
		For Cement Mortar Lining (CML), Add	*648.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,167.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*486.43*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0386	EA	24" x 18" Mechanical Joint Ductile Iron Cross	9,620.23	564.12
		For Cement Mortar Lining (CML), Add	*876.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,577.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*657.41*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0387	EA	24" x 20" Mechanical Joint Ductile Iron Cross	10,144.08	635.11
		For Cement Mortar Lining (CML), Add	*918.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,652.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*688.63*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0388	EA	24" x 24" Mechanical Joint Ductile Iron Cross	11,176.37	722.90
		For Cement Mortar Lining (CML), Add	*1,008.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,814.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*756.08*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0389	EA	30" x 8" Mechanical Joint Ductile Iron Cross	12,016.94	581.69
		For Cement Mortar Lining (CML), Add	*1,113.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,004.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*835.17*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0390	EA	30" x 10" Mechanical Joint Ductile Iron Cross	12,256.03	595.64
		For Cement Mortar Lining (CML), Add	*1,135.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,043.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*851.52*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0391	EA	30" x 12" Mechanical Joint Ductile Iron Cross	12,491.21	608.30
		For Cement Mortar Lining (CML), Add	*1,156.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,082.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*867.71*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0392	EA	30" x 14" Mechanical Joint Ductile Iron Cross	12,769.37	627.31
		For Cement Mortar Lining (CML), Add	*1,181.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,127.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*886.42*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0393	EA	30" x 16" Mechanical Joint Ductile Iron Cross	13,088.50	653.90
		For Cement Mortar Lining (CML), Add	*1,209.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,177.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*907.33*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0394	EA	30" x 18" Mechanical Joint Ductile Iron Cross	13,463.92	696.91
		For Cement Mortar Lining (CML), Add	*1,240.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,233.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*930.60*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0395	EA	30" x 20" Mechanical Joint Ductile Iron Cross	13,942.61	767.91
		For Cement Mortar Lining (CML), Add	*1,277.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,300.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*958.43*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0396	EA	30" x 24" Mechanical Joint Ductile Iron Cross	17,926.20	855.67
		For Cement Mortar Lining (CML), Add	*1,662.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,993.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,247.23*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0397	EA	30" x 30" Mechanical Joint Ductile Iron Cross	20,613.32	988.49
		For Cement Mortar Lining (CML), Add	*1,911.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,440.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,433.67*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0398	EA	36" x 8" Mechanical Joint Ductile Iron Cross	16,776.26	630.65
		For Cement Mortar Lining (CML), Add	*1,582.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,847.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,186.55*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0399	EA	36" x 10" Mechanical Joint Ductile Iron Cross	17,013.38	644.59
		For Cement Mortar Lining (CML), Add	*1,603.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,886.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,202.75*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0400	EA	36" x 12" Mechanical Joint Ductile Iron Cross	17,217.14	657.26
		For Cement Mortar Lining (CML), Add	*1,622.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,919.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,216.60*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0401	EA	36" x 14" Mechanical Joint Ductile Iron Cross	17,461.92	676.25
		For Cement Mortar Lining (CML), Add	*1,643.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,958.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,232.80*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0402	EA	36" x 16" Mechanical Joint Ductile Iron Cross	17,749.64	702.86
		For Cement Mortar Lining (CML), Add	*1,668.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,003.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,251.35*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0403	EA	36" x 18" Mechanical Joint Ductile Iron Cross	18,091.68	745.86
		For Cement Mortar Lining (CML), Add	*1,696.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,053.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,272.12*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0404	EA	36" x 20" Mechanical Joint Ductile Iron Cross	18,538.95	816.86
		For Cement Mortar Lining (CML), Add	*1,730.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,114.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,297.60*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0405	EA	36" x 24" Mechanical Joint Ductile Iron Cross	19,319.91	904.63
		For Cement Mortar Lining (CML), Add	*1,794.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,230.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,346.20*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0406	EA	36" x 30" Mechanical Joint Ductile Iron Cross	26,028.49	1,037.41
		For Cement Mortar Lining (CML), Add	*2,445.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,402.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,834.25*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0407	EA	36" x 36" Mechanical Joint Ductile Iron Cross	28,600.36	1,086.42
		For Cement Mortar Lining (CML), Add	*2,695.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,851.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,021.58*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0408	EA	42" x 12" Mechanical Joint Ductile Iron Cross	22,522.48	685.55
		For Cement Mortar Lining (CML), Add	*2,148.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,867.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,611.28*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0409	EA	42" x 14" Mechanical Joint Ductile Iron Cross	25,468.68	704.56
		For Cement Mortar Lining (CML), Add	*2,440.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,392.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,830.09*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0410	EA	42" x 16" Mechanical Joint Ductile Iron Cross	23,033.37	731.16
		For Cement Mortar Lining (CML), Add	*2,192.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,946.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,644.42*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0411	EA	42" x 18" Mechanical Joint Ductile Iron Cross	23,336.14	774.17
		For Cement Mortar Lining (CML), Add	*2,216.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,989.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,662.24*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0412	EA	42" x 20" Mechanical Joint Ductile Iron Cross	23,767.71	845.17
		For Cement Mortar Lining (CML), Add	*2,248.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,047.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,686.54*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0413	EA	42" x 24" Mechanical Joint Ductile Iron Cross	24,491.71	932.92
		For Cement Mortar Lining (CML), Add	*2,307.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,154.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,730.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0414	EA	42" x 30" Mechanical Joint Ductile Iron Cross	31,361.31	1,065.72
		For Cement Mortar Lining (CML), Add	*2,974.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,354.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,230.99*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0415	EA	42" x 36" Mechanical Joint Ductile Iron Cross	40,968.75	1,114.67
		For Cement Mortar Lining (CML), Add	*3,927.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*7,070.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,945.99*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0416	EA	42" x 42" Mechanical Joint Ductile Iron Cross	43,902.05	1,143.00
		For Cement Mortar Lining (CML), Add	*4,217.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*7,590.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3,162.77*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0417	EA	48" x 12" Mechanical Joint Ductile Iron Cross	30,454.85	797.93
		For Cement Mortar Lining (CML), Add	*2,924.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,264.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,193.44*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0418	EA	48" x 14" Mechanical Joint Ductile Iron Cross	30,660.37	816.94
		For Cement Mortar Lining (CML), Add	*2,942.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,296.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,206.69*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0419	EA	48" x 16" Mechanical Joint Ductile Iron Cross	30,936.30	843.54
		For Cement Mortar Lining (CML), Add	*2,965.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,338.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,224.37*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0420	EA	48" x 18" Mechanical Joint Ductile Iron Cross	31,237.10	886.55
		For Cement Mortar Lining (CML), Add	*2,989.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,380.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,242.04*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0421	EA	48" x 20" Mechanical Joint Ductile Iron Cross	31,641.18	957.54
		For Cement Mortar Lining (CML), Add	*3,019.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,434.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,264.28*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0422	EA	48" x 24" Mechanical Joint Ductile Iron Cross	32,333.77	1,045.30
		For Cement Mortar Lining (CML), Add	*3,075.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,535.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,306.25*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0423	EA	48" x 30" Mechanical Joint Ductile Iron Cross	34,217.79	1,178.10
		For Cement Mortar Lining (CML), Add	*3,243.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,837.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,432.46*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0424	EA	48" x 36" Mechanical Joint Ductile Iron Cross	41,934.28	1,227.05
		For Cement Mortar Lining (CML), Add	*4,007.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*7,213.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3,005.63*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0425	EA	48" x 42" Mechanical Joint Ductile Iron Cross	53,929.61	1,255.36
		For Cement Mortar Lining (CML), Add	*5,202.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*9,364.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3,902.07*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0426	EA	48" x 48" Mechanical Joint Ductile Iron Cross	57,434.06	1,367.67
		For Cement Mortar Lining (CML), Add	*5,536.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*9,965.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4,152.13*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0427		**Mechanical Joint x Mechanical Joint Ductile Iron Reducers** *(33 14 13 13-0002)*		
33 14 13 13-0428	EA	4" x 3" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	185.98	47.58
		For Cement Mortar Lining (CML), Add	*11.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*20.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.54*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0429	EA	6" x 3" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	216.02	59.63
		For Cement Mortar Lining (CML), Add	*12.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*22.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.43*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0430	EA	6" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	233.65	63.49
		For Cement Mortar Lining (CML), Add	*13.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*24.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*10.31*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0431	EA	8" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	297.00	71.54
		For Cement Mortar Lining (CML), Add	*18.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*33.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*14.14*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0432	EA	8" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	326.93	83.58
		For Cement Mortar Lining (CML), Add	*20.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*36.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*15.02*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0433	EA	10" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	359.13	75.03
		For Cement Mortar Lining (CML), Add	*24.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*44.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*18.41*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0434	EA	10" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	390.16	86.44
		For Cement Mortar Lining (CML), Add	*25.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*46.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*19.44*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0435	EA	10" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	427.21	94.04
		For Cement Mortar Lining (CML), Add	*28.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*51.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*21.35*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0436	EA	12" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	435.45	82.64
		For Cement Mortar Lining (CML), Add	*31.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*55.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*23.27*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0437	EA	12" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	484.15	94.04
		For Cement Mortar Lining (CML), Add	*34.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*61.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*25.63*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0438	EA	12" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	505.50	101.65
		For Cement Mortar Lining (CML), Add	*35.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*63.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*26.36*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0439	EA	12" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	553.94	109.00
		For Cement Mortar Lining (CML), Add	*38.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*69.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*29.16*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0440	EA	14" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	919.51	106.63
		For Cement Mortar Lining (CML), Add	*75.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*136.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*56.85*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0441	EA	14" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	891.76	114.24
		For Cement Mortar Lining (CML), Add	*71.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*129.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*53.90*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0442	EA	14" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	796.85	121.58
		For Cement Mortar Lining (CML), Add	*61.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*110.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*45.95*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0443	EA	14" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	837.84	129.18
		For Cement Mortar Lining (CML), Add	*64.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*115.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*48.16*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0444	EA	16" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,079.85	124.32
		For Cement Mortar Lining (CML), Add	*89.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*160.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*66.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0445	EA	16" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,058.00	131.94
		For Cement Mortar Lining (CML), Add	*85.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*154.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*64.36*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0446	EA	16" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,037.72	139.29
		For Cement Mortar Lining (CML), Add	*82.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*148.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*62.00*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0447	EA	16" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,125.82	146.89
		For Cement Mortar Lining (CML), Add	*90.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*162.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*67.74*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0448	EA	16" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,252.88	159.48
		For Cement Mortar Lining (CML), Add	*101.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*182.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*75.84*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0449	EA	18" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,346.62	161.72
		For Cement Mortar Lining (CML), Add	*110.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*198.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*82.62*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0450	EA	18" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,510.91	169.08
		For Cement Mortar Lining (CML), Add	*125.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*225.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*94.11*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0451	EA	18" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,455.67	176.68
		For Cement Mortar Lining (CML), Add	*118.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*213.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*89.10*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0452	EA	18" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,543.47	189.26
		For Cement Mortar Lining (CML), Add	*125.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*226.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*94.25*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0453	EA	18" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,625.27	206.97
		For Cement Mortar Lining (CML), Add	*131.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*236.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*98.38*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0454	EA	20" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,901.59	220.87
		For Cement Mortar Lining (CML), Add	*156.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*282.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*117.52*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0455	EA	20" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,822.40	228.20
		For Cement Mortar Lining (CML), Add	*147.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*265.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*110.75*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0456	EA	20" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,678.79	235.81
		For Cement Mortar Lining (CML), Add	*132.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*237.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*99.11*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0457	EA	20" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,688.04	248.39
		For Cement Mortar Lining (CML), Add	*131.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*236.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*98.38*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0458	EA	20" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,742.36	266.11
		For Cement Mortar Lining (CML), Add	*133.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*241.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*100.44*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0459	EA	20" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,091.84	295.89
		For Cement Mortar Lining (CML), Add	*164.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*295.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*123.26*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0460	EA	24" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,471.08	294.76
		For Cement Mortar Lining (CML), Add	*202.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*364.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*151.84*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0461	EA	24" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,541.21	307.35
		For Cement Mortar Lining (CML), Add	*207.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*373.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*155.66*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0462	EA	24" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,595.52	325.05
		For Cement Mortar Lining (CML), Add	*210.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*378.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*157.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0463	EA	24" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,548.37	354.84
		For Cement Mortar Lining (CML), Add	*201.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*361.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*150.80*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0464	EA	24" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,117.07	413.98
		For Cement Mortar Lining (CML), Add	*248.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*448.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*186.74*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0465	EA	30" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,121.35	366.95
		For Cement Mortar Lining (CML), Add	*456.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*821.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*342.40*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0466	EA	30" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,347.13	396.73
		For Cement Mortar Lining (CML), Add	*474.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*854.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*355.95*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0467	EA	30" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,173.61	455.87
		For Cement Mortar Lining (CML), Add	*448.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*806.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*336.22*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0468	EA	30" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,048.89	514.82
		For Cement Mortar Lining (CML), Add	*426.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*768.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*320.17*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0469	EA	36" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	7,685.65	488.67
		For Cement Mortar Lining (CML), Add	*694.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,250.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*520.89*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0470	EA	36" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	6,343.51	547.62
		For Cement Mortar Lining (CML), Add	*551.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*992.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*413.53*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0471	EA	36" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	6,890.02	589.51
		For Cement Mortar Lining (CML), Add	*599.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,079.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*449.76*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0472	EA	42" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	10,011.60	418.08
		For Cement Mortar Lining (CML), Add	*937.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,688.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*703.36*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0473	EA	42" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	9,970.34	447.86
		For Cement Mortar Lining (CML), Add	*929.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,672.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*696.88*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0474	EA	42" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	10,028.52	507.00
		For Cement Mortar Lining (CML), Add	*926.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,666.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*694.53*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0475	EA	42" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	11,191.93	565.96
		For Cement Mortar Lining (CML), Add	*1,033.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,860.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*775.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0476	EA	42" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	9,217.18	607.84
		For Cement Mortar Lining (CML), Add	*829.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,493.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*622.22*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0477	EA	42" x 36" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	9,647.82	640.64
		For Cement Mortar Lining (CML), Add	*867.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,561.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*650.79*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0478	EA	48" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	13,500.03	447.30
		For Cement Mortar Lining (CML), Add	*1,282.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,308.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*961.67*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0479	EA	48" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	13,085.68	477.09
		For Cement Mortar Lining (CML), Add	*1,236.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,225.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*927.21*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0480	EA	48" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	12,468.38	536.21
		For Cement Mortar Lining (CML), Add	*1,165.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,098.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*874.19*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0481	EA	48" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	12,854.19	595.16
		For Cement Mortar Lining (CML), Add	*1,195.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,151.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*896.43*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0482	EA	48" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	15,366.29	637.06
		For Cement Mortar Lining (CML), Add	*1,440.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,592.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,080.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0483	EA	48" x 36" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	13,450.41	669.86
		For Cement Mortar Lining (CML), Add	*1,243.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,238.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*932.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0484	EA	48" x 42" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	14,770.25	688.19
		For Cement Mortar Lining (CML), Add	*1,372.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,470.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,029.56*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0485		**Mechanical Joint x Plain End Ductile Iron Offsets** *(33 14 13 13-0002)*		
33 14 13 13-0486	EA	4" Diameter x 6" Mechanical Joint x Plain End Offset, Ductile Iron	879.86	176.81
		For Cement Mortar Lining (CML), Add	*61.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*45.90*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0487	EA	4" Diameter x 12" Mechanical Joint x Plain End Offset, Ductile Iron	904.45	176.81
		For Cement Mortar Lining (CML), Add	*63.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*47.74*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0488	EA	6" Diameter x 6" Mechanical Joint x Plain End Offset, Ductile Iron	1,088.26	221.00
		For Cement Mortar Lining (CML), Add	*75.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*56.51*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0489	EA	6" Diameter x 12" Mechanical Joint x Plain End Offset, Ductile Iron	1,189.67	221.00
		For Cement Mortar Lining (CML), Add	*85.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*64.11*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0490	EA	6" Diameter x 18" Mechanical Joint x Plain End Offset, Ductile Iron	1,316.99	221.00
		For Cement Mortar Lining (CML), Add	*98.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*73.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0491	EA	8" Diameter x 6" Mechanical Joint x Plain End Offset, Ductile Iron	1,383.01	252.55
		For Cement Mortar Lining (CML), Add	*100.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*75.02*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0492	EA	8" Diameter x 12" Mechanical Joint x Plain End Offset, Ductile Iron	1,637.78	252.55
		For Cement Mortar Lining (CML), Add	*125.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*94.13*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0493	EA	8" Diameter x 18" Mechanical Joint x Plain End Offset, Ductile Iron	1,748.95	252.55
		For Cement Mortar Lining (CML), Add	*136.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*102.47*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0494	EA	10" Diameter x 6" Mechanical Joint x Plain End Offset, Ductile Iron	1,812.73	294.68
		For Cement Mortar Lining (CML), Add	*136.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*102.47*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0495	EA	10" Diameter x 12" Mechanical Joint x Plain End Offset, Ductile Iron	2,174.29	294.68
		For Cement Mortar Lining (CML), Add	*172.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*129.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0496	EA	10" Diameter x 18" Mechanical Joint x Plain End Offset, Ductile Iron	2,484.35	294.68
		For Cement Mortar Lining (CML), Add	*203.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*152.84*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0497	EA	12" Diameter x 6" Mechanical Joint x Plain End Offset, Ductile Iron	2,578.63	321.47
		For Cement Mortar Lining (CML), Add	*209.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*156.87*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0498	EA	12" Diameter x 12" Mechanical Joint x Plain End Offset, Ductile Iron	2,851.45	321.47
		For Cement Mortar Lining (CML), Add	*236.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*177.33*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0499	EA	12" Diameter x 18" Mechanical Joint x Plain End Offset, Ductile Iron	3,379.07	321.47
		For Cement Mortar Lining (CML), Add	*289.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*216.90*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0500	EA	14" Diameter x 6" Mechanical Joint x Plain End Offset, Ductile Iron	4,246.02	353.61
		For Cement Mortar Lining (CML), Add	*371.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*278.27*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0501	EA	14" Diameter x 12" Mechanical Joint x Plain End Offset, Ductile Iron	5,337.27	353.61
		For Cement Mortar Lining (CML), Add	*480.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*360.11*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0502	EA	14" Diameter x 18" Mechanical Joint x Plain End Offset, Ductile Iron	3,127.49	353.61
		For Cement Mortar Lining (CML), Add	*259.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*194.38*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0503	EA	16" Diameter x 6" Mechanical Joint x Plain End Offset, Ductile Iron	2,595.94	392.94
		For Cement Mortar Lining (CML), Add	*200.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*150.05*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0504	EA	16" Diameter x 12" Mechanical Joint x Plain End Offset, Ductile Iron	3,232.50	392.94
		For Cement Mortar Lining (CML), Add	*263.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*197.79*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0505	EA	16" Diameter x 18" Mechanical Joint x Plain End Offset, Ductile Iron	3,732.66	392.94
		For Cement Mortar Lining (CML), Add	*313.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*235.30*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0506 Mechanical Joint Ductile Iron Caps *(33 14 13 13-0002)*

33 14 13 13-0507	EA	3" Mechanical Joint Ductile Iron Caps	203.26	100.46
		For Cement Mortar Lining (CML), Add	*5.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*9.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3.83*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0508	EA	4" Mechanical Joint Ductile Iron Caps	231.61	117.87
		For Cement Mortar Lining (CML), Add	*5.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*9.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3.98*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0509	EA	6" Mechanical Joint Ductile Iron Caps	317.49	147.34
		For Cement Mortar Lining (CML), Add	*9.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*16.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*7.07*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0510	EA	8" Mechanical Joint Ductile Iron Caps	412.23	168.41
		For Cement Mortar Lining (CML), Add	*15.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*28.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*11.78*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0511	EA	10" Mechanical Joint Ductile Iron Caps	582.39	253.48
		For Cement Mortar Lining (CML), Add	*19.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*35.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*14.87*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0512	EA	12" Mechanical Joint Ductile Iron Caps	715.48	276.54
		For Cement Mortar Lining (CML), Add	*29.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*53.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*22.24*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0513	EA	14" Mechanical Joint Ductile Iron Caps	910.54	304.19
		For Cement Mortar Lining (CML), Add	*44.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*80.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*33.72*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0514	EA	16" Mechanical Joint Ductile Iron Caps	1,114.92	337.94
		For Cement Mortar Lining (CML), Add	*60.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*108.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*45.21*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0515	EA	18" Mechanical Joint Ductile Iron Caps	1,312.45	380.23
		For Cement Mortar Lining (CML), Add	*73.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*132.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*55.23*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0516	EA	20" Mechanical Joint Ductile Iron Caps	1,610.75	434.50
		For Cement Mortar Lining (CML), Add	*95.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*171.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*71.43*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0517	EA	24" Mechanical Joint Ductile Iron Caps	2,075.90	506.98
		For Cement Mortar Lining (CML), Add	*130.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*235.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*98.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0518	EA	30" Mechanical Joint Ductile Iron Caps	3,912.33	608.37
		For Cement Mortar Lining (CML), Add	*299.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*538.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*224.29*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0519	EA	36" Mechanical Joint Ductile Iron Caps	6,591.38	760.46
		For Cement Mortar Lining (CML), Add	*543.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*979.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*407.94*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0520	EA	42" Mechanical Joint Ductile Iron Caps	9,631.74	912.55
		For Cement Mortar Lining (CML), Add	*824.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,484.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*618.68*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0521	EA	48" Mechanical Joint Ductile Iron Caps	11,476.02	1,013.94
		For Cement Mortar Lining (CML), Add	*993.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,789.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*745.48*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0522		**Mechanical Joint Ductile Iron Plug** *(33 14 13 13-0002)*		
33 14 13 13-0523	EA	3" Mechanical Joint Ductile Iron Plug	211.12	100.46
		For Cement Mortar Lining (CML), Add	*5.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*10.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4.42*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0524	EA	4" Mechanical Joint Ductile Iron Plug	243.39	117.87
		For Cement Mortar Lining (CML), Add	*6.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*11.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0525	EA	6" Mechanical Joint Ductile Iron Plug	348.91	147.34
		For Cement Mortar Lining (CML), Add	*12.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*22.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.43*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0526	EA	8" Mechanical Joint Ductile Iron Plug	443.65	168.41
		For Cement Mortar Lining (CML), Add	*18.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*33.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*14.14*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0527	EA	10" Mechanical Joint Ductile Iron Plug	710.03	253.48
		For Cement Mortar Lining (CML), Add	*32.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*58.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*24.45*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0528	EA	12" Mechanical Joint Ductile Iron Plug	750.83	276.54
		For Cement Mortar Lining (CML), Add	*33.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*59.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*24.89*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0529	EA	14" Mechanical Joint Ductile Iron Plug	1,136.36	304.19
		For Cement Mortar Lining (CML), Add	*67.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*121.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*50.66*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0530	EA	16" Mechanical Joint Ductile Iron Plug	598.49	337.94
		For Cement Mortar Lining (CML), Add	*8.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*15.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.48*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0531	EA	18" Mechanical Joint Ductile Iron Plug	1,648.23	380.23
		For Cement Mortar Lining (CML), Add	*107.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*192.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*80.41*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0532	EA	20" Mechanical Joint Ductile Iron Plug	2,068.26	434.50
		For Cement Mortar Lining (CML), Add	*140.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*253.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*105.74*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0533	EA	24" Mechanical Joint Ductile Iron Plug	2,723.89	506.98
		For Cement Mortar Lining (CML), Add	*195.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*352.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*146.68*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0534	EA	30" Mechanical Joint Ductile Iron Plug	4,803.81	608.37
		For Cement Mortar Lining (CML), Add	*388.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*698.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*291.15*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0535	EA	36" Mechanical Joint Ductile Iron Plug	7,149.04	760.46
		For Cement Mortar Lining (CML), Add	*599.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,079.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*449.76*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0536	EA	42" Mechanical Joint Ductile Iron Plug	9,702.43	912.55
		For Cement Mortar Lining (CML), Add	*831.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,497.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*623.98*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0537	EA	48" Mechanical Joint Ductile Iron Plug	12,626.69	1,013.94
		For Cement Mortar Lining (CML), Add	*1,109.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,996.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*831.78*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0538		Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters *(33 14 13 13-0002)*		
33 14 13 13-0539	EA	3" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	358.99	152.70
		For Cement Mortar Lining (CML), Add	*12.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*22.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.57*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0540	EA	4" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	405.34	176.81
		For Cement Mortar Lining (CML), Add	*13.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*24.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*10.31*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0541	EA	6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	525.33	221.00
		For Cement Mortar Lining (CML), Add	*19.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*34.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*14.29*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0542	EA	8" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	671.35	252.55
		For Cement Mortar Lining (CML), Add	*28.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*51.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*21.65*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0543	EA	10" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,078.78	380.23
		For Cement Mortar Lining (CML), Add	*50.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*90.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*37.70*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0544	EA	12" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,272.54	414.80
		For Cement Mortar Lining (CML), Add	*64.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*115.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*48.30*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0545	EA	14" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,714.36	456.27
		For Cement Mortar Lining (CML), Add	*102.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*184.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*76.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0546	EA	16" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,936.48	506.98
		For Cement Mortar Lining (CML), Add	*116.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*210.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*87.63*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0547	EA	18" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	2,651.03	570.34
		For Cement Mortar Lining (CML), Add	*178.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*321.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*134.02*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0548	EA	20" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	3,116.15	651.80
		For Cement Mortar Lining (CML), Add	*212.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*383.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*159.64*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0549	EA	24" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	3,773.62	760.46
		For Cement Mortar Lining (CML), Add	*262.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*471.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*196.61*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0550	EA	30" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	6,207.23	912.55
		For Cement Mortar Lining (CML), Add	*482.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*868.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*361.84*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0551	EA	36" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	8,642.16	1,140.69
		For Cement Mortar Lining (CML), Add	*691.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,244.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*518.54*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0552	EA	42" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	11,614.53	1,303.61
		For Cement Mortar Lining (CML), Add	*963.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,735.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*722.95*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0553	EA	48" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	14,376.63	1,520.92
		For Cement Mortar Lining (CML), Add	*1,207.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,173.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*905.42*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0554		**Mechanical Joint Ductile Iron Long Sleeves** *(33 14 13 13-0002)*		
33 14 13 13-0555	EA	3" Mechanical Joint Ductile Iron Long Sleeves	339.36	152.70
		For Cement Mortar Lining (CML), Add	*10.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*19.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.10*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0556	EA	4" Mechanical Joint Ductile Iron Long Sleeves	395.52	176.81
		For Cement Mortar Lining (CML), Add	*12.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*22.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.57*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0557	EA	6" Mechanical Joint Ductile Iron Long Sleeves	548.89	221.00
		For Cement Mortar Lining (CML), Add	*21.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*38.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*16.05*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0558	EA	8" Mechanical Joint Ductile Iron Long Sleeves	734.18	252.55
		For Cement Mortar Lining (CML), Add	*35.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*63.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*26.36*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0559	EA	10" Mechanical Joint Ductile Iron Long Sleeves	994.35	380.23
		For Cement Mortar Lining (CML), Add	*41.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*75.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*31.37*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0560	EA	12" Mechanical Joint Ductile Iron Long Sleeves	1,194.00	414.80
		For Cement Mortar Lining (CML), Add	*56.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*101.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*42.41*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0561	EA	14" Mechanical Joint Ductile Iron Long Sleeves	1,545.49	456.27
		For Cement Mortar Lining (CML), Add	*85.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*153.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*64.06*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0562	EA	16" Mechanical Joint Ductile Iron Long Sleeves	1,850.08	506.98
		For Cement Mortar Lining (CML), Add	*108.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*194.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*81.15*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0563	EA	18" Mechanical Joint Ductile Iron Long Sleeves	2,248.49	570.34
		For Cement Mortar Lining (CML), Add	*138.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*249.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*103.83*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0564	EA	20" Mechanical Joint Ductile Iron Long Sleeves	2,658.63	651.80
		For Cement Mortar Lining (CML), Add	*167.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*300.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*125.33*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0565	EA	24" Mechanical Joint Ductile Iron Long Sleeves	3,353.41	760.46
		For Cement Mortar Lining (CML), Add	*220.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*396.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*165.09*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0566	EA	30" Mechanical Joint Ductile Iron Long Sleeves	5,993.19	912.55
		For Cement Mortar Lining (CML), Add	*461.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*829.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*345.79*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0567	EA	36" Mechanical Joint Ductile Iron Long Sleeves	8,202.31	1,140.69
		For Cement Mortar Lining (CML), Add	*647.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,165.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*485.55*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0568	EA	42" Mechanical Joint Ductile Iron Long Sleeves	10,632.45	1,302.12
		For Cement Mortar Lining (CML), Add	*865.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,558.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*649.46*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0569	EA	48" Mechanical Joint Ductile Iron Long Sleeves	14,468.92	1,520.92
		For Cement Mortar Lining (CML), Add	*1,216.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,189.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*912.34*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0570 Mechanical Joint Ductile Iron Gland Packs *(33 14 13 13-0002)*

Note: Includes ductile iron retainer gland, gasket, break off torque bolts and all nuts.

33 14 13 13-0571 Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts *(33 14 13 13-0570)*

Note: Labor installation is included with pipe fittings or valves.

33 14 13 13-0572	EA	3" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	39.27
33 14 13 13-0573	EA	4" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes four (4) 3/4" diameter plain finish bolts with nut.	34.14
33 14 13 13-0574	EA	6" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish bolts with nut.	41.25
33 14 13 13-0575	EA	8" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish bolts with nut.	48.36
33 14 13 13-0576	EA	10" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish bolts with nut.	66.85
33 14 13 13-0577	EA	12" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish bolts with nut.	71.12
33 14 13 13-0578	EA	14" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes ten (10) 3/4" diameter plain finish bolts with nut.	116.64
33 14 13 13-0579	EA	16" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish bolts with nut.	123.75
33 14 13 13-0580	EA	18" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish bolts with nut.	165.00
33 14 13 13-0581	EA	20" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes fourteen (14) 3/4" diameter plain finish bolts with nut.	213.36
33 14 13 13-0582	EA	24" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes sixteen (16) 3/4" diameter plain finish bolts with nut.	297.28
33 14 13 13-0583	EA	30" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty (20) 1" diameter plain finish bolts with nut.	709.78
33 14 13 13-0584	EA	36" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty-four (24) 1" diameter plain finish bolts with nut.	1,530.50
33 14 13 13-0585	EA	42" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty-eight (28) 1-1/4" diameter plain finish bolts with nut.	2,234.59
33 14 13 13-0586	EA	48" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes thirty-two (32) 1-1/4" diameter plain finish bolts with nut.	2,742.39

33 14 13 13-0587 Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts *(33 14 13 13-0570)*

Note: Labor installation is included with pipe fittings or valves.

33 14 13 13-0588	EA	3" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts	66.76
33 14 13 13-0589	EA	4" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes four (4) 3/4" diameter plain finish bolts with nut.	48.36
33 14 13 13-0590	EA	6" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish bolts with nut.	61.16
33 14 13 13-0591	EA	8" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish bolts with nut.	66.85
33 14 13 13-0592	EA	10" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish bolts with nut.	92.46
33 14 13 13-0593	EA	12" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish bolts with nut.	96.72
33 14 13 13-0594	EA	14" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes ten (10) 3/4" diameter plain finish bolts with nut.	146.51
33 14 13 13-0595	EA	16" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish bolts with nut.	160.73
33 14 13 13-0596	EA	18" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish bolts with nut.	213.36
33 14 13 13-0597	EA	20" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes fourteen (14) 3/4" diameter plain finish bolts with nut.	275.95
33 14 13 13-0598	EA	24" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes sixteen (16) 3/4" diameter plain finish bolts with nut.	385.47

33 14 13 13-0599 Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts *(33 14 13 13-0570)*

Note: Labor installation is included with pipe fittings or valves.

33 14 13 13-0600	EA	3" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	43.20
33 14 13 13-0601	EA	4" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes four (4) 3/4" diameter plain finish bolts with nut.	36.98

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0602	EA	6" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish bolts with nut.	44.09	
33 14 13 13-0603	EA	8" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish bolts with nut.	52.63	
33 14 13 13-0604	EA	10" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish bolts with nut.	72.54	
33 14 13 13-0605	EA	12" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish bolts with nut.	76.81	
33 14 13 13-0606	EA	14" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes ten (10) 3/4" diameter plain finish bolts with nut.	126.59	
33 14 13 13-0607	EA	16" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish bolts with nut.	133.71	
33 14 13 13-0608	EA	18" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish bolts with nut.	180.64	
33 14 13 13-0609	EA	20" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes fourteen (14) 3/4" diameter plain finish bolts with nut.	231.85	
33 14 13 13-0610	EA	24" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes sixteen (16) 3/4" diameter plain finish bolts with nut.	324.31	
33 14 13 13-0611	EA	30" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty (20) 1" diameter plain finish bolts with nut.	776.63	
33 14 13 13-0612	EA	36" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty-four (24) 1" diameter plain finish bolts with nut.	1,721.10	
33 14 13 13-0613	EA	42" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty-eight (28) 1-1/4" diameter plain finish bolts with nut.	2,492.04	
33 14 13 13-0614	EA	48" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes thirty-two (32) 1-1/4" diameter plain finish bolts with nut.	3,066.69	

33 14 13 13-0615 Mechanical Joint Restraints With Accessories For Ductile Iron Pipe (MEGALUG® 1100DEC Series) *(33 14 13 13-0002)*

Note: Includes ductile iron retainer gland, gasket, break off torque bolts and all nuts and bolts. Excludes pipe and fitting.

33 14 13 13-0616	EA	3" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1103DSC)	212.45	76.59
33 14 13 13-0617	EA	4" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1104DEC)	242.16	90.72
33 14 13 13-0618	EA	6" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1106DEC)	300.41	112.27
33 14 13 13-0619	EA	8" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1108DEC)	375.34	131.03
33 14 13 13-0620	EA	10" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1110DEC)	540.80	190.11
33 14 13 13-0621	EA	12" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1112DEC)	668.03	217.31
33 14 13 13-0622	EA	14" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1114DEC)	779.32	233.90
33 14 13 13-0623	EA	16" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1116DEC)	963.02	253.48
33 14 13 13-0624	EA	18" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1118DEC)	1,237.30	304.19
33 14 13 13-0625	EA	20" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1120DEC)	1,462.00	337.82
33 14 13 13-0626	EA	24" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1124DEC)	1,902.29	389.79
33 14 13 13-0627	EA	30" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1130DEC)	3,714.90	467.45
33 14 13 13-0628	EA	36" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1136DEC)	4,586.93	584.97
33 14 13 13-0629	EA	42" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1142DEC)	6,783.82	674.97
33 14 13 13-0630	EA	48" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1148DEC)	8,687.16	868.07

33 14 13 13-0631 Mechanical Joint Ductile Iron Force Balanced Flexible Expansion Joint (FLEX-TEND®) *(33 14 13 13-0002)*

33 14 13 13-0632	EA	3" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	4,636.75	62.69
		For Flanged End, Add	*1,294.40*	
33 14 13 13-0633	EA	4" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	4,827.05	78.35
		For Flanged End, Add	*1,341.87*	
33 14 13 13-0634	EA	6" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	7,004.29	115.80
		For Flanged End, Add	*1,946.77*	
33 14 13 13-0635	EA	8" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	9,520.11	137.36
		For Flanged End, Add	*2,653.89*	
33 14 13 13-0636	EA	10" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	12,001.03	151.74
		For Flanged End, Add	*3,354.78*	
33 14 13 13-0637	EA	12" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	16,008.89	178.01
		For Flanged End, Add	*4,485.69*	
33 14 13 13-0638	EA	14" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	19,722.68	199.62
		For Flanged End, Add	*5,534.77*	
33 14 13 13-0639	EA	16" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	23,333.57	228.14
		For Flanged End, Add	*6,551.55*	
33 14 13 13-0640	EA	18" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	26,301.21	319.39
		For Flanged End, Add	*7,357.93*	
33 14 13 13-0641	EA	20" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	35,385.97	399.24
		For Flanged End, Add	*9,912.60*	
33 14 13 13-0642	EA	24" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	49,033.19	532.32
		For Flanged End, Add	*13,744.60*	
33 14 13 13-0643	EA	30" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	82,326.32	570.34
		For Flanged End, Add	*23,216.72*	

33 14 13 13-0644 Set Screw Flange Adapter For Ductile Iron Pipe (E-Z Flange 1000DSM Series) *(33 14 13 13-0002)*

Note: Includes machined bolts and gasket.

33 14 13 13-0645	EA	3" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1003DSM)	210.89	76.59
33 14 13 13-0646	EA	4" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1004DSM)	271.02	90.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0647	EA	6" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1006DSM)	350.46	112.27
33 14 13 13-0648	EA	8" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1008DSM)	399.87	131.03
33 14 13 13-0649	EA	10" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1010DSM)	703.54	200.91
33 14 13 13-0650	EA	12" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1012DSM)	796.13	229.65

33 14 13 13-0651 Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 2100 Series) *(33 14 13 13-0002)*

Note: Includes nuts, bolts and gasket.

33 14 13 13-0652	EA	3" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210300))	308.93	76.59
33 14 13 13-0653	EA	4" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210400)	384.45	90.72
33 14 13 13-0654	EA	6" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210600)	532.84	112.27
33 14 13 13-0655	EA	8" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210800)	771.76	131.03
33 14 13 13-0656	EA	10" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211000)	1,117.60	200.91
33 14 13 13-0657	EA	12" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211200)	1,390.43	229.65
33 14 13 13-0658	EA	14" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211400)	2,147.02	247.19
33 14 13 13-0659	EA	16" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211600)	3,012.38	267.89
33 14 13 13-0660	EA	18" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211800)	3,406.42	321.47
33 14 13 13-0661	EA	20" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 212000)	3,762.75	357.02
33 14 13 13-0662	EA	24" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 212400)	4,552.90	411.94
33 14 13 13-0663	EA	30" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 213000)	5,859.14	494.02
33 14 13 13-0664	EA	36" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 213600)	8,756.57	618.22
33 14 13 13-0665	EA	42" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 214200)	22,879.73	713.31
33 14 13 13-0666	EA	48" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 214800)	29,305.49	917.39

33 14 13 13-0667 Mechanical Joint x Restrained Plain End Ductile Iron Flexible Ball Joint *(33 14 13 13-0002)*

Note: All internal surfaces (wetted parts) shall be lined with a minimum of 15 mils of fusion bonded epoxy conforming to the applicable requirements of ANSI/AWWA C213. Sealing gaskets shall be constructed of EPDM. The coating shall meet ANSI/NSF-61. Exterior surfaces shall be coated with a minimum of 6 mils of fusion bonded epoxy conforming to the applicable requirements of ANSI/AWWA C116/A21.16.

33 14 13 13-0668	EA	4" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	1,307.22	117.87
33 14 13 13-0669	EA	6" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	2,079.38	147.34
33 14 13 13-0670	EA	8" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	2,758.80	168.41
33 14 13 13-0671	EA	10" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	3,808.93	253.48
33 14 13 13-0672	EA	12" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	4,984.08	276.54
33 14 13 13-0673	EA	14" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	5,773.50	304.19
33 14 13 13-0674	EA	16" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	6,417.47	337.94
33 14 13 13-0675	EA	18" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	9,187.27	380.23
33 14 13 13-0676	EA	20" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	9,384.32	434.50
33 14 13 13-0677	EA	24" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	16,412.26	506.98
33 14 13 13-0678	EA	30" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	57,520.31	608.37
33 14 13 13-0679	EA	36" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	81,674.10	760.46

33 14 13 13-0680 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Piping *(33 14 13 13-0001)*

See CSI section 33 14 13 13-0570 for bolts and gaskets.

33 14 13 13-0681 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow *(33 14 13 13-0680)*

33 14 13 13-0682	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	484.49	43.71
33 14 13 13-0683	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	579.87	52.36
33 14 13 13-0684	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	900.37	76.71
33 14 13 13-0685	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	1,232.54	91.33
33 14 13 13-0686	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	1,692.71	101.40
33 14 13 13-0687	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	2,147.27	118.68
33 14 13 13-0688	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	3,056.70	133.65
33 14 13 13-0689	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	3,709.94	152.09
33 14 13 13-0690	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	4,479.52	213.16
33 14 13 13-0691	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	5,583.23	266.16
33 14 13 13-0692	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	7,896.65	354.88
33 14 13 13-0693	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	12,665.99	380.23
33 14 13 13-0694	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	18,674.94	395.20
33 14 13 13-0695	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	30,791.34	456.27
33 14 13 13-0696	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	40,292.17	485.08

33 14 13 13-0697 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow *(33 14 13 13-0680)*

33 14 13 13-0698	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	462.89	43.71
33 14 13 13-0699	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	542.56	52.36
33 14 13 13-0700	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	835.57	76.71
33 14 13 13-0701	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,132.39	91.33
33 14 13 13-0702	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,480.64	101.40
33 14 13 13-0703	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,956.80	118.68
33 14 13 13-0704	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	2,648.28	133.65
33 14 13 13-0705	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	3,171.91	152.09
33 14 13 13-0706	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	3,747.10	213.16
33 14 13 13-0707	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	4,548.41	266.16

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0708	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	5,993.92	354.88
33 14 13 13-0709	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	11,061.72	380.23
33 14 13 13-0710	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	15,311.29	395.20
33 14 13 13-0711	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	22,768.07	456.27
33 14 13 13-0712	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	29,158.56	485.08
33 14 13 13-0713		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow** *(33 14 13 13-0680)*		
33 14 13 13-0714	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	358.82	43.71
33 14 13 13-0715	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	536.67	52.36
33 14 13 13-0716	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	812.00	76.71
33 14 13 13-0717	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,124.54	91.33
33 14 13 13-0718	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,478.68	101.40
33 14 13 13-0719	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,842.91	118.68
33 14 13 13-0720	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	2,663.98	133.65
33 14 13 13-0721	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	3,101.22	152.09
33 14 13 13-0722	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	3,729.43	213.16
33 14 13 13-0723	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	4,711.39	266.16
33 14 13 13-0724	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	5,864.33	354.88
33 14 13 13-0725	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	9,838.40	380.23
33 14 13 13-0726	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	13,445.87	395.20
33 14 13 13-0727	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	19,255.19	456.27
33 14 13 13-0728	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	24,667.81	485.08
33 14 13 13-0729		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow** *(33 14 13 13-0680)*		
33 14 13 13-0730	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	358.82	43.71
33 14 13 13-0731	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	644.67	52.36
33 14 13 13-0732	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	819.86	76.71
33 14 13 13-0733	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,089.19	91.33
33 14 13 13-0734	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,474.75	101.40
33 14 13 13-0735	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,789.89	118.68
33 14 13 13-0736	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	2,870.16	133.65
33 14 13 13-0737	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	3,197.44	152.09
33 14 13 13-0738	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	4,287.09	213.16
33 14 13 13-0739	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	4,542.52	266.16
33 14 13 13-0740	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	5,866.29	354.88
33 14 13 13-0741	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	9,968.00	380.23
33 14 13 13-0742	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	13,074.75	395.20
33 14 13 13-0743	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	18,725.02	456.27
33 14 13 13-0744	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	24,526.43	485.08
33 14 13 13-0745		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow** *(33 14 13 13-0680)*		
33 14 13 13-0746	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	423.62	43.71
33 14 13 13-0747	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	625.03	52.36
33 14 13 13-0748	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	974.98	76.71
33 14 13 13-0749	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,326.79	91.33
33 14 13 13-0750	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,830.16	101.40
33 14 13 13-0751	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	2,298.46	118.68
33 14 13 13-0752	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	4,142.58	133.65
33 14 13 13-0753	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	6,472.72	152.09
33 14 13 13-0754	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	7,391.54	213.16
33 14 13 13-0755	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	8,516.85	266.16
33 14 13 13-0756	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	9,200.48	354.88
33 14 13 13-0757		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow** *(33 14 13 13-0680)*		
33 14 13 13-0758	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	423.62	43.71
33 14 13 13-0759	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	550.40	52.36
33 14 13 13-0760	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	867.00	76.71
33 14 13 13-0761	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	1,228.61	91.33

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0762	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	1,631.84	101.40
33 14 13 13-0763	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	2,125.67	118.68
33 14 13 13-0764	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	2,836.77	133.65
33 14 13 13-0765	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	3,409.51	152.09
33 14 13 13-0766	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	6,390.09	213.16
33 14 13 13-0767	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	6,698.55	266.16
33 14 13 13-0768	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	6,965.91	354.88

33 14 13 13-0769 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee *(33 14 13 13-0680)*

33 14 13 13-0770	EA	3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	596.16	65.58
33 14 13 13-0771	EA	4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	650.06	73.93
33 14 13 13-0772	EA	4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	686.34	76.71
33 14 13 13-0773	EA	6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	979.91	97.24
33 14 13 13-0774	EA	6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,062.56	101.06
33 14 13 13-0775	EA	6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,120.10	113.24
33 14 13 13-0776	EA	8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,304.91	116.89
33 14 13 13-0777	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,411.53	129.07
33 14 13 13-0778	EA	8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,553.31	137.60
33 14 13 13-0779	EA	10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,755.48	125.59
33 14 13 13-0780	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,751.17	137.11
33 14 13 13-0781	EA	10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,898.19	145.18
33 14 13 13-0782	EA	10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,048.73	152.09
33 14 13 13-0783	EA	12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,114.30	140.57
33 14 13 13-0784	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,131.57	152.09
33 14 13 13-0785	EA	12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,306.08	160.16
33 14 13 13-0786	EA	12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,660.84	167.07
33 14 13 13-0787	EA	12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,666.48	175.14
33 14 13 13-0788	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,023.88	177.44
33 14 13 13-0789	EA	14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,273.02	185.51
33 14 13 13-0790	EA	14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,977.29	192.42
33 14 13 13-0791	EA	14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	4,198.91	200.48
33 14 13 13-0792	EA	14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,886.13	213.16
33 14 13 13-0793	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,617.42	213.16
33 14 13 13-0794	EA	16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,813.65	220.07
33 14 13 13-0795	EA	16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	4,580.76	228.14
33 14 13 13-0796	EA	16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	4,293.81	235.05
33 14 13 13-0797	EA	16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,610.82	247.72
33 14 13 13-0798	EA	16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,070.16	266.16
33 14 13 13-0799	EA	18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	4,750.46	273.08
33 14 13 13-0800	EA	18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,011.37	279.98
33 14 13 13-0801	EA	18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,342.58	286.90
33 14 13 13-0802	EA	18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,648.64	294.97
33 14 13 13-0803	EA	18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,803.19	307.64
33 14 13 13-0804	EA	18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,201.14	324.93
33 14 13 13-0805	EA	18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,923.71	354.88
33 14 13 13-0806	EA	20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,450.01	390.60
33 14 13 13-0807	EA	20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,542.05	398.66
33 14 13 13-0808	EA	20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,095.13	405.58
33 14 13 13-0809	EA	20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,397.27	413.65
33 14 13 13-0810	EA	20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,459.54	426.31
33 14 13 13-0811	EA	20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,374.44	443.60
33 14 13 13-0812	EA	20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	8,163.24	473.56
33 14 13 13-0813	EA	20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,941.16	532.32
33 14 13 13-0814	EA	24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,610.45	508.13
33 14 13 13-0815	EA	24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,673.04	517.34
33 14 13 13-0816	EA	24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,794.13	523.10
33 14 13 13-0817	EA	24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,974.51	531.17
33 14 13 13-0818	EA	24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	7,941.99	543.84
33 14 13 13-0819	EA	24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	8,284.97	561.13
33 14 13 13-0820	EA	24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	10,211.23	591.09
33 14 13 13-0821	EA	24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	10,536.46	651.00
33 14 13 13-0822	EA	24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	9,869.79	709.77
33 14 13 13-0823	EA	30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	11,614.97	592.24
33 14 13 13-0824	EA	30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	11,053.13	600.30
33 14 13 13-0825	EA	30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	11,686.72	607.21
33 14 13 13-0826	EA	30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	12,322.67	615.28
33 14 13 13-0827	EA	30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	13,225.36	627.95
33 14 13 13-0828	EA	30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	14,198.64	835.35
33 14 13 13-0829	EA	30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	14,129.89	675.20
33 14 13 13-0830	EA	30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	14,103.63	733.96
33 14 13 13-0831	EA	30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	14,689.74	792.72
33 14 13 13-0832	EA	30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	17,553.30	835.35

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0833	EA	36" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	11,979.21	665.98
33 14 13 13-0834	EA	36" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	13,415.92	672.89
33 14 13 13-0835	EA	36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	14,191.28	680.96
33 14 13 13-0836	EA	36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	14,738.56	693.63
33 14 13 13-0837	EA	36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	15,287.69	710.92
33 14 13 13-0838	EA	36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	16,346.04	740.88
33 14 13 13-0839	EA	36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	17,450.82	799.64
33 14 13 13-0840	EA	36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	19,340.76	858.40
33 14 13 13-0841	EA	36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	21,854.81	933.29
33 14 13 13-0842	EA	36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	25,199.43	933.29
33 14 13 13-0843	EA	42" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	28,753.91	717.82
33 14 13 13-0844	EA	42" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	29,332.61	729.35
33 14 13 13-0845	EA	42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	32,269.49	747.78
33 14 13 13-0846	EA	42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	36,795.56	777.74
33 14 13 13-0847	EA	42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	36,885.15	836.50
33 14 13 13-0848	EA	42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	30,474.95	895.27
33 14 13 13-0849	EA	42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	31,015.58	937.90
33 14 13 13-0850	EA	42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	38,460.20	970.16
33 14 13 13-0851	EA	42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	40,545.83	988.60
33 14 13 13-0852	EA	48" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	33,543.30	775.43
33 14 13 13-0853	EA	48" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	34,145.56	788.11
33 14 13 13-0854	EA	48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	35,001.03	806.54
33 14 13 13-0855	EA	48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	35,868.91	835.35
33 14 13 13-0856	EA	48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	36,787.15	895.27
33 14 13 13-0857	EA	48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	36,986.42	954.03
33 14 13 13-0858	EA	48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	39,718.43	995.51
33 14 13 13-0859	EA	48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	31,899.98	1,028.93
33 14 13 13-0860	EA	48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	40,049.22	1,047.36
33 14 13 13-0861	EA	48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	53,416.50	1,076.16

33 14 13 13-0862 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Laterals) *(33 14 13 13-0680)*

33 14 13 13-0863	EA	3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	668.71	73.29
33 14 13 13-0864	EA	4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	737.44	73.29
33 14 13 13-0865	EA	4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	866.99	76.71
33 14 13 13-0866	EA	6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	954.38	97.24
33 14 13 13-0867	EA	6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,066.48	101.06
33 14 13 13-0868	EA	6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,306.64	113.24
33 14 13 13-0869	EA	8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,723.15	116.89
33 14 13 13-0870	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,584.33	129.07
33 14 13 13-0871	EA	8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,783.05	137.60
33 14 13 13-0872	EA	10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,538.96	125.59
33 14 13 13-0873	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,642.64	137.11
33 14 13 13-0874	EA	10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,958.53	145.18
33 14 13 13-0875	EA	10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,230.82	152.09
33 14 13 13-0876	EA	12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,102.00	140.57
33 14 13 13-0877	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,519.84	152.09
33 14 13 13-0878	EA	12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,171.50	160.16
33 14 13 13-0879	EA	12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,172.82	167.07
33 14 13 13-0880	EA	12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,844.64	175.14
33 14 13 13-0881	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,579.05	177.44
33 14 13 13-0882	EA	14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	5,270.00	185.51
33 14 13 13-0883	EA	14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,960.00	192.42
33 14 13 13-0884	EA	14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,466.34	200.48
33 14 13 13-0885	EA	14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,269.42	213.16
33 14 13 13-0886	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,758.38	213.16
33 14 13 13-0887	EA	16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	5,260.82	220.07
33 14 13 13-0888	EA	16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,255.71	228.14
33 14 13 13-0889	EA	16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,453.77	235.05
33 14 13 13-0890	EA	16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,008.37	247.72
33 14 13 13-0891	EA	16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,563.94	266.16
33 14 13 13-0892	EA	18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,753.33	273.08
33 14 13 13-0893	EA	18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,289.15	279.98
33 14 13 13-0894	EA	18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,806.89	286.90
33 14 13 13-0895	EA	18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,368.22	294.97
33 14 13 13-0896	EA	18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,450.13	307.64
33 14 13 13-0897	EA	18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,541.75	324.93
33 14 13 13-0898	EA	18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,720.94	354.88
33 14 13 13-0899	EA	20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,928.07	390.60
33 14 13 13-0900	EA	20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,102.59	398.66
33 14 13 13-0901	EA	20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,938.42	405.58
33 14 13 13-0902	EA	20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,766.81	413.65
33 14 13 13-0903	EA	20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,854.60	426.31
33 14 13 13-0904	EA	20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,956.05	443.60
33 14 13 13-0905	EA	20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	11,583.83	473.56
33 14 13 13-0906	EA	20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	10,872.28	532.32
33 14 13 13-0907	EA	24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,597.08	508.13
33 14 13 13-0908	EA	24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,720.55	516.19
33 14 13 13-0909	EA	24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	10,886.27	523.10
33 14 13 13-0910	EA	24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	11,414.21	531.17

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0911	EA	24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	13,261.38	543.84
33 14 13 13-0912	EA	24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	14,786.45	561.13
33 14 13 13-0913	EA	24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	16,589.00	591.09
33 14 13 13-0914	EA	24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	18,225.92	651.00
33 14 13 13-0915	EA	24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	16,011.94	709.77
33 14 13 13-0916	EA	30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	20,368.70	592.24
33 14 13 13-0917	EA	30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	22,913.27	600.30
33 14 13 13-0918	EA	30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	24,277.32	607.21
33 14 13 13-0919	EA	30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	25,643.74	615.28
33 14 13 13-0920	EA	30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	27,579.28	627.95
33 14 13 13-0921	EA	30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	29,658.06	645.24
33 14 13 13-0922	EA	30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	30,390.46	675.20
33 14 13 13-0923	EA	30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	31,440.25	733.96
33 14 13 13-0924	EA	30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	32,913.91	792.72
33 14 13 13-0925	EA	30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	35,702.86	835.35
33 14 13 13-0926	EA	36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	39,458.88	680.96
33 14 13 13-0927	EA	36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	41,023.31	693.63
33 14 13 13-0928	EA	36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	42,575.84	710.92
33 14 13 13-0929	EA	36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	45,576.19	740.88
33 14 13 13-0930	EA	36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	48,632.79	799.64
33 14 13 13-0931	EA	36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	53,980.63	858.40
33 14 13 13-0932	EA	36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	60,545.58	901.03
33 14 13 13-0933	EA	36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	72,429.90	933.29
33 14 13 13-0934	EA	42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	63,715.78	836.50
33 14 13 13-0935	EA	42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	65,260.13	895.27
33 14 13 13-0936	EA	42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	69,733.84	937.90
33 14 13 13-0937	EA	42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	79,870.56	970.16
33 14 13 13-0938	EA	42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	94,395.60	988.60
33 14 13 13-0939	EA	48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	62,771.47	895.27
33 14 13 13-0940	EA	48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	71,166.81	954.03
33 14 13 13-0941	EA	48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	75,874.20	995.51
33 14 13 13-0942	EA	48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	86,621.58	1,028.93
33 14 13 13-0943	EA	48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	113,625.31	1,047.36
33 14 13 13-0944	EA	48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	124,836.56	1,076.16

33 14 13 13-0945 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee *(33 14 13 13-0680)*

33 14 13 13-0946	EA	6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	1,192.75	113.24
33 14 13 13-0947	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	1,486.15	129.07
33 14 13 13-0948	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	2,143.89	137.11
33 14 13 13-0949	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	2,469.31	152.09
33 14 13 13-0950	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	3,273.26	177.44
33 14 13 13-0951	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	3,988.65	213.16
33 14 13 13-0952	EA	18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	4,701.37	273.08
33 14 13 13-0953	EA	20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	6,312.03	390.60
33 14 13 13-0954	EA	24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	7,357.05	508.13
33 14 13 13-0955	EA	30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	13,458.79	592.24

33 14 13 13-0956 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross *(33 14 13 13-0680)*

33 14 13 13-0957	EA	3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	660.70	87.44
33 14 13 13-0958	EA	4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	829.47	95.15
33 14 13 13-0959	EA	4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,043.51	96.20
33 14 13 13-0960	EA	6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,101.64	119.25
33 14 13 13-0961	EA	6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,292.48	129.07
33 14 13 13-0962	EA	6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,421.69	160.73
33 14 13 13-0963	EA	8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,371.64	141.25
33 14 13 13-0964	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,614.74	172.91
33 14 13 13-0965	EA	8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,593.75	185.08
33 14 13 13-0966	EA	10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,616.95	147.48
33 14 13 13-0967	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,808.34	177.44
33 14 13 13-0968	EA	10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,155.52	188.97
33 14 13 13-0969	EA	10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,335.71	202.79
33 14 13 13-0970	EA	12 x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,087.75	160.16
33 14 13 13-0971	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,414.63	190.11
33 14 13 13-0972	EA	12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,622.40	201.64
33 14 13 13-0973	EA	12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,065.71	215.47
33 14 13 13-0974	EA	12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,507.06	228.14
33 14 13 13-0975	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,635.33	208.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0976	EA	14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,320.26	220.07
33 14 13 13-0977	EA	14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,421.91	235.05
33 14 13 13-0978	EA	14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,666.89	246.58
33 14 13 13-0979	EA	14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	5,174.80	266.16
33 14 13 13-0980	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,068.35	236.20
33 14 13 13-0981	EA	16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,662.95	246.58
33 14 13 13-0982	EA	16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	5,636.43	261.55
33 14 13 13-0983	EA	16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	6,309.50	274.23
33 14 13 13-0984	EA	16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	7,679.43	292.66
33 14 13 13-0985	EA	16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	8,010.33	319.16
33 14 13 13-0986	EA	18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	7,071.06	278.83
33 14 13 13-0987	EA	18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	7,483.05	290.36
33 14 13 13-0988	EA	18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	7,834.07	304.19
33 14 13 13-0989	EA	18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	8,514.97	316.86
33 14 13 13-0990	EA	18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,988.97	335.29
33 14 13 13-0991	EA	18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	10,624.25	361.80
33 14 13 13-0992	EA	18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	11,084.10	405.58
33 14 13 13-0993	EA	20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	8,890.90	350.27
33 14 13 13-0994	EA	20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,306.81	360.65
33 14 13 13-0995	EA	20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,589.10	375.62
33 14 13 13-0996	EA	20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	10,264.12	388.30
33 14 13 13-0997	EA	20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	10,426.43	406.73
33 14 13 13-0998	EA	20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,705.24	433.23
33 14 13 13-0999	EA	20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	13,165.08	475.87
33 14 13 13-1000	EA	20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	14,195.55	547.30
33 14 13 13-1001	EA	24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,185.26	437.84
33 14 13 13-1002	EA	24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,467.99	449.37
33 14 13 13-1003	EA	24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,948.25	463.19
33 14 13 13-1004	EA	24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	13,362.13	475.87
33 14 13 13-1005	EA	24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	13,587.27	494.30
33 14 13 13-1006	EA	24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	14,090.98	520.80
33 14 13 13-1007	EA	24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	18,831.48	564.59
33 14 13 13-1008	EA	24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	19,793.21	634.87
33 14 13 13-1009	EA	24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	21,771.96	722.43
33 14 13 13-1010	EA	30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	18,942.55	581.87
33 14 13 13-1011	EA	30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	19,317.13	595.70
33 14 13 13-1012	EA	30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	19,685.84	608.37
33 14 13 13-1013	EA	30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	20,119.12	626.80
33 14 13 13-1014	EA	30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	20,613.01	654.46
33 14 13 13-1015	EA	30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	21,180.87	697.09
33 14 13 13-1016	EA	30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	21,889.30	767.38
33 14 13 13-1017	EA	30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	28,268.48	856.10
33 14 13 13-1018	EA	30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	32,500.96	988.60
33 14 13 13-1019	EA	36" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	26,615.85	630.26
33 14 13 13-1020	EA	36" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	26,986.51	644.09
33 14 13 13-1021	EA	36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	27,306.12	656.76
33 14 13 13-1022	EA	36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	27,684.42	676.35
33 14 13 13-1023	EA	36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	28,125.30	702.85
33 14 13 13-1024	EA	36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	28,640.14	745.48
33 14 13 13-1025	EA	36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	29,299.48	816.92
33 14 13 13-1026	EA	36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	30,482.97	904.49
33 14 13 13-1027	EA	36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	41,238.53	1,036.99
33 14 13 13-1028	EA	36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	45,363.60	1,086.54
33 14 13 13-1029	EA	42" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	35,882.81	685.56
33 14 13 13-1030	EA	42" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	36,628.31	704.00
33 14 13 13-1031	EA	42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	37,055.44	731.66
33 14 13 13-1032	EA	42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	37,644.90	774.28
33 14 13 13-1033	EA	42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	38,710.70	845.72
33 14 13 13-1034	EA	42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	40,989.88	933.29
33 14 13 13-1035	EA	42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	49,860.38	1,065.79
33 14 13 13-1036	EA	42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	65,397.90	1,114.19
33 14 13 13-1037	EA	42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	70,127.91	1,143.00
33 14 13 13-1038	EA	48" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	48,643.68	798.49
33 14 13 13-1039	EA	48" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	48,959.16	816.92
33 14 13 13-1040	EA	48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	49,380.40	843.42
33 14 13 13-1041	EA	48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	49,828.46	886.05
33 14 13 13-1042	EA	48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	50,417.12	957.49
33 14 13 13-1043	EA	48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	51,457.27	1,045.05
33 14 13 13-1044	EA	48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	54,387.89	1,177.56
33 14 13 13-1045	EA	48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	66,858.26	1,227.11
33 14 13 13-1046	EA	48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	86,285.81	1,255.91
33 14 13 13-1047	EA	48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	91,863.82	1,367.67

33 14 13 13-1048 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducers *(33 14 13 13-0680)*

33 14 13 13-1049	EA	4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	474.63	47.58
33 14 13 13-1050	EA	6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	665.68	59.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1051	EA	6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	732.41	63.32
33 14 13 13-1052	EA	8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	964.62	71.84
33 14 13 13-1053	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,000.44	84.02
33 14 13 13-1054	EA	10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,183.84	74.89
33 14 13 13-1055	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,236.47	86.42
33 14 13 13-1056	EA	10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,285.31	94.48
33 14 13 13-1057	EA	12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,370.12	82.96
33 14 13 13-1058	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,515.04	94.48
33 14 13 13-1059	EA	12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,538.36	101.40
33 14 13 13-1060	EA	12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,606.43	109.46
33 14 13 13-1061	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,382.39	107.15
33 14 13 13-1062	EA	14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,393.91	114.07
33 14 13 13-1063	EA	14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,077.12	122.14
33 14 13 13-1064	EA	14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,118.10	129.05
33 14 13 13-1065	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,856.91	124.44
33 14 13 13-1066	EA	16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,768.30	132.50
33 14 13 13-1067	EA	16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,594.85	139.42
33 14 13 13-1068	EA	16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,561.21	146.33
33 14 13 13-1069	EA	16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,898.38	159.01
33 14 13 13-1070	EA	18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,098.15	161.30
33 14 13 13-1071	EA	18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,498.07	169.37
33 14 13 13-1072	EA	18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,336.80	176.29
33 14 13 13-1073	EA	18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,996.01	188.97
33 14 13 13-1074	EA	18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,486.77	207.40
33 14 13 13-1075	EA	20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	4,124.39	221.22
33 14 13 13-1076	EA	20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	4,155.15	228.14
33 14 13 13-1077	EA	20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,766.10	236.20
33 14 13 13-1078	EA	20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,759.64	248.87
33 14 13 13-1079	EA	20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,660.79	266.16
33 14 13 13-1080	EA	20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	4,336.24	296.12
33 14 13 13-1081	EA	24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,190.67	294.97
33 14 13 13-1082	EA	24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,264.72	307.64
33 14 13 13-1083	EA	24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,354.37	324.93
33 14 13 13-1084	EA	24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,262.06	354.88
33 14 13 13-1085	EA	24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	6,068.37	413.65
33 14 13 13-1086	EA	30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	9,521.78	366.40
33 14 13 13-1087	EA	30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	9,922.32	396.36
33 14 13 13-1088	EA	30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	9,536.73	456.27
33 14 13 13-1089	EA	30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	8,043.38	515.04
33 14 13 13-1090	EA	36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	12,557.34	488.54
33 14 13 13-1091	EA	36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	11,643.27	547.30
33 14 13 13-1092	EA	36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	12,429.34	589.93

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1093	EA	42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	18,673.04	418.26
33 14 13 13-1094	EA	42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	18,553.23	448.21
33 14 13 13-1095	EA	42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	18,581.96	506.98
33 14 13 13-1096	EA	42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	19,297.67	565.74
33 14 13 13-1097	EA	42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	15,724.55	608.37
33 14 13 13-1098	EA	42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	16,453.66	640.63
33 14 13 13-1099	EA	48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	23,557.59	447.06
33 14 13 13-1100	EA	48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	22,781.93	477.02
33 14 13 13-1101	EA	48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	21,610.90	535.78
33 14 13 13-1102	EA	48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	22,228.42	595.70
33 14 13 13-1103	EA	48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	26,660.92	637.17
33 14 13 13-1104	EA	48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	23,019.03	669.43
33 14 13 13-1105	EA	48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	25,332.45	687.87

33 14 13 13-1106 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps *(33 14 13 13-0680)*

33 14 13 13-1107	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	421.22	100.46
33 14 13 13-1108	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	508.47	118.12
33 14 13 13-1109	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	749.48	147.34
33 14 13 13-1110	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	1,011.13	168.04
33 14 13 13-1111	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	1,336.42	253.48
33 14 13 13-1112	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	1,695.32	276.54
33 14 13 13-1113	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	1,929.65	304.19
33 14 13 13-1114	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	2,355.91	337.59
33 14 13 13-1115	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	2,763.55	380.23
33 14 13 13-1116	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	3,338.71	434.38
33 14 13 13-1117	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	4,292.80	506.98
33 14 13 13-1118	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	7,863.10	608.37
33 14 13 13-1119	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	12,945.59	760.46
33 14 13 13-1120	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	18,701.61	912.55
33 14 13 13-1121	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	22,285.64	1,013.94

33 14 13 13-1122 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug *(33 14 13 13-0680)*

33 14 13 13-1123	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	423.19	100.46
33 14 13 13-1124	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	528.11	118.12
33 14 13 13-1125	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	800.54	147.34
33 14 13 13-1126	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	1,062.18	168.04
33 14 13 13-1127	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	1,628.99	253.48
33 14 13 13-1128	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	1,762.08	276.54
33 14 13 13-1129	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	2,355.75	304.19
33 14 13 13-1130	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	2,848.77	337.59
33 14 13 13-1131	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	3,393.87	380.23
33 14 13 13-1132	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	4,190.92	434.38
33 14 13 13-1133	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	5,506.31	506.98
33 14 13 13-1134	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	9,540.01	608.37
33 14 13 13-1135	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	13,988.26	760.46
33 14 13 13-1136	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	18,833.17	912.55
33 14 13 13-1137	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	25,075.92	1,013.94

33 14 13 13-1138 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters *(33 14 13 13-0680)*

33 14 13 13-1139	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	571.06	152.70
33 14 13 13-1140	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	760.75	176.56
33 14 13 13-1141	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,051.57	221.62
33 14 13 13-1142	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,390.03	252.06
33 14 13 13-1143	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	2,044.87	380.23
33 14 13 13-1144	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	2,450.70	414.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1145	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	3,224.36	456.27
33 14 13 13-1146	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	3,662.49	506.98
33 14 13 13-1147	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	4,826.69	570.34
33 14 13 13-1148	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	5,600.11	652.16
33 14 13 13-1149	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	6,785.78	760.46
33 14 13 13-1150	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	10,739.21	912.55
33 14 13 13-1151	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	14,631.14	1,140.69
33 14 13 13-1152	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	19,963.77	1,303.15
33 14 13 13-1153	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	24,834.77	1,520.92
33 14 13 13-1154		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves** *(33 14 13 13-0680)*		
33 14 13 13-1155	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	594.63	152.70
33 14 13 13-1156	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	731.30	176.56
33 14 13 13-1157	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	1,084.96	221.62
33 14 13 13-1158	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	1,480.35	252.06
33 14 13 13-1159	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	1,919.20	380.23
33 14 13 13-1160	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	2,332.88	414.80
33 14 13 13-1161	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	2,973.02	456.27
33 14 13 13-1162	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	3,528.96	506.98
33 14 13 13-1163	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	4,221.91	570.34
33 14 13 13-1164	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	4,918.74	652.16
33 14 13 13-1165	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	6,161.35	760.46
33 14 13 13-1166	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	10,415.22	912.55
33 14 13 13-1167	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	13,549.19	1,140.69
33 14 13 13-1168	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	17,679.81	1,302.00
33 14 13 13-1169	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	26,356.56	1,520.92
33 14 13 13-1170		**Push-On Joint Ductile Iron Piping And Gaskets** *(33 14 13 13-0001)*		
33 14 13 13-1171		**Push-On Joint Ductile Iron Pipe** *(33 14 13 13-1170)*		
		Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D.		
33 14 13 13-1172	LF	4", Class 50, Push-On Joint Ductile Iron Pipe	36.35	10.05
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*14.79*	
		For Cement Mortar Lining (CML), Add	*2.11*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*11.41*	
		For Fusion Bonded Epoxy Lining (206N), Add	*3.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1.58*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-1.82*	
		For Class 51, Add	*3.07*	
		For Class 52, Add	*6.62*	
		For Class 53, Add	*11.89*	
		For Class 54, Add	*16.96*	
		For Class 55, Add	*19.51*	
		For Class 56, Add	*22.03*	
		For Restrained Joint Pipe, Add	*10.04*	
33 14 13 13-1173	LF	6", Class 50, Push-On Joint Ductile Iron Pipe	39.87	11.09
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*16.23*	
		For Cement Mortar Lining (CML), Add	*2.32*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*12.52*	
		For Fusion Bonded Epoxy Lining (206N), Add	*4.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1.74*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-1.99*	
		For Class 51, Add	*3.37*	
		For Class 52, Add	*7.26*	
		For Class 53, Add	*13.05*	
		For Class 54, Add	*18.61*	
		For Class 55, Add	*21.41*	
		For Class 56, Add	*24.17*	
		For Restrained Joint Pipe, Add	*11.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1174	LF	8", Class 50, Push-On Joint Ductile Iron Pipe	49.97	12.18
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*22.19*	
		For Cement Mortar Lining (CML), Add	*3.17*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*17.12*	
		For Fusion Bonded Epoxy Lining (206N), Add	*5.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2.38*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-2.50*	
		For Class 51, Add	*4.55*	
		For Class 52, Add	*9.81*	
		For Class 53, Add	*17.67*	
		For Class 54, Add	*25.21*	
		For Class 55, Add	*28.99*	
		For Class 56, Add	*32.71*	
		For Restrained Joint Pipe, Add	*15.06*	
33 14 13 13-1175	LF	10", Class 50, Push-On Joint Ductile Iron Pipe	70.65	17.17
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*26.83*	
		For Cement Mortar Lining (CML), Add	*4.47*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*22.36*	
		For Fusion Bonded Epoxy Lining (206N), Add	*8.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3.35*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-3.53*	
		For Class 51, Add	*6.42*	
		For Class 52, Add	*13.85*	
		For Class 53, Add	*24.94*	
		For Class 54, Add	*35.57*	
		For Class 55, Add	*40.91*	
		For Class 56, Add	*46.15*	
		For Restrained Joint Pipe, Add	*21.24*	
33 14 13 13-1176	LF	12", Class 50, Push-On Joint Ductile Iron Pipe	82.12	19.01
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*26.66*	
		For Cement Mortar Lining (CML), Add	*5.33*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*21.32*	
		For Fusion Bonded Epoxy Lining (206N), Add	*9.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4.00*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-4.11*	
		For Class 51, Add	*7.63*	
		For Class 52, Add	*16.45*	
		For Class 53, Add	*29.65*	
		For Class 54, Add	*42.30*	
		For Class 55, Add	*48.63*	
		For Class 56, Add	*54.86*	
		For Restrained Joint Pipe, Add	*25.32*	
33 14 13 13-1177	LF	14", Class 50, Push-On Joint Ductile Iron Pipe	100.33	21.43
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*29.90*	
		For Cement Mortar Lining (CML), Add	*6.80*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*23.11*	
		For Fusion Bonded Epoxy Lining (206N), Add	*12.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*5.10*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-5.02*	
		For Class 51, Add	*9.67*	
		For Class 52, Add	*20.86*	
		For Class 53, Add	*37.63*	
		For Class 54, Add	*53.70*	
		For Class 55, Add	*61.73*	
		For Class 56, Add	*69.61*	
		For Restrained Joint Pipe, Add	*32.28*	
33 14 13 13-1178	LF	16", Class 50, Push-On Joint Ductile Iron Pipe	119.03	24.43
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*33.64*	
		For Cement Mortar Lining (CML), Add	*8.21*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*25.44*	
		For Fusion Bonded Epoxy Lining (206N), Add	*14.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.15*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-5.95*	
		For Class 51, Add	*11.65*	
		For Class 52, Add	*25.14*	
		For Class 53, Add	*45.36*	
		For Class 54, Add	*64.73*	
		For Class 55, Add	*74.39*	
		For Class 56, Add	*83.88*	
		For Restrained Joint Pipe, Add	*38.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1179	LF	18", Class 50, Push-On Joint Ductile Iron Pipe	138.50	28.57
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*39.07*	
		For Cement Mortar Lining (CML), Add	*9.53*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*29.54*	
		For Fusion Bonded Epoxy Lining (206N), Add	*17.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*7.15*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-6.93*	
		For Class 51, Add	*13.53*	
		For Class 52, Add	*29.20*	
		For Class 53, Add	*52.69*	
		For Class 54, Add	*75.19*	
		For Class 55, Add	*86.41*	
		For Class 56, Add	*97.43*	
		For Restrained Joint Pipe, Add	*45.26*	
33 14 13 13-1180	LF	20", Class 50, Push-On Joint Ductile Iron Pipe	159.64	34.22
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*40.96*	
		For Cement Mortar Lining (CML), Add	*10.78*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*30.18*	
		For Fusion Bonded Epoxy Lining (206N), Add	*19.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.08*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-7.98*	
		For Class 51, Add	*15.34*	
		For Class 52, Add	*33.11*	
		For Class 53, Add	*59.71*	
		For Class 54, Add	*85.20*	
		For Class 55, Add	*97.93*	
		For Class 56, Add	*110.44*	
		For Restrained Joint Pipe, Add	*51.20*	
33 14 13 13-1181	LF	24", Class 50, Push-On Joint Ductile Iron Pipe	202.01	42.75
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*42.51*	
		For Cement Mortar Lining (CML), Add	*13.71*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*28.80*	
		For Fusion Bonded Epoxy Lining (206N), Add	*24.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*10.29*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-10.10*	
		For Class 51, Add	*19.50*	
		For Class 52, Add	*42.09*	
		For Class 53, Add	*75.93*	
		For Class 54, Add	*108.35*	
		For Class 55, Add	*124.53*	
		For Class 56, Add	*140.43*	
		For Restrained Joint Pipe, Add	*65.14*	
33 14 13 13-1182	LF	30", Class 50, Push-On Joint Ductile Iron Pipe	239.83	45.62
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*52.91*	
		For Cement Mortar Lining (CML), Add	*17.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*30.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*12.80*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-11.99*	
		For Class 51, Add	*24.13*	
		For Class 52, Add	*52.10*	
		For Class 53, Add	*94.07*	
		For Class 54, Add	*134.27*	
		For Class 55, Add	*154.27*	
		For Class 56, Add	*173.91*	
33 14 13 13-1183	LF	36", Class 50, Push-On Joint Ductile Iron Pipe	298.22	48.51
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*69.66*	
		For Cement Mortar Lining (CML), Add	*22.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*40.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*16.85*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-14.91*	
		For Class 51, Add	*31.55*	
		For Class 52, Add	*68.15*	
		For Class 53, Add	*123.18*	
		For Class 54, Add	*175.89*	
		For Class 55, Add	*202.00*	
		For Class 56, Add	*227.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1184	LF	42", Class 50, Push-On Joint Ductile Iron Pipe	364.32	51.39
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*88.83*	
		For Cement Mortar Lining (CML), Add	*28.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*51.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*21.49*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-18.22*	
		For Class 51, Add	*40.03*	
		For Class 52, Add	*86.50*	
		For Class 53, Add	*156.47*	
		For Class 54, Add	*223.49*	
		For Class 55, Add	*256.59*	
		For Class 56, Add	*289.08*	
33 14 13 13-1185	LF	48", Class 50, Push-On Joint Ductile Iron Pipe	439.37	54.15
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*110.74*	
		For Cement Mortar Lining (CML), Add	*35.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*64.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*26.79*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-21.97*	
		For Class 51, Add	*49.71*	
		For Class 52, Add	*107.47*	
		For Class 53, Add	*194.51*	
		For Class 54, Add	*277.87*	
		For Class 55, Add	*318.94*	
		For Class 56, Add	*359.26*	
33 14 13 13-1186	LF	54", Class 50, Push-On Joint Ductile Iron Pipe	558.28	57.04
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*146.28*	
		For Cement Mortar Lining (CML), Add	*47.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*84.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*35.39*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-27.91*	
		For Class 51, Add	*65.39*	
		For Class 52, Add	*141.41*	
		For Class 53, Add	*256.11*	
		For Class 54, Add	*365.95*	
		For Class 55, Add	*419.93*	
		For Class 56, Add	*472.92*	

33 14 13 13-1187 Push-On Joint Ductile Iron 90 Degree Elbow *(33 14 13 13-1170)*

33 14 13 13-1188	EA	4" 90 Degree Elbow, Push-On Joint Ductile Iron	297.04	39.20
		For Cement Mortar Lining (CML), Add	*23.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*42.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*17.82*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*142.57*	
33 14 13 13-1189	EA	6" 90 Degree Elbow, Push-On Joint Ductile Iron	430.21	57.84
		For Cement Mortar Lining (CML), Add	*34.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*61.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*25.69*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*205.52*	
33 14 13 13-1190	EA	8" 90 Degree Elbow, Push-On Joint Ductile Iron	579.24	68.67
		For Cement Mortar Lining (CML), Add	*47.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*85.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*35.63*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*285.08*	
33 14 13 13-1191	EA	10" 90 Degree Elbow, Push-On Joint Ductile Iron	875.09	75.81
		For Cement Mortar Lining (CML), Add	*71.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*129.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*53.87*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*430.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1192	EA	12" 90 Degree Elbow, Push-On Joint Ductile Iron	1,134.15	88.95
		For Cement Mortar Lining (CML), Add	*95.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*171.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*71.27*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*570.19*	
33 14 13 13-1193	EA	14" 90 Degree Elbow, Push-On Joint Ductile Iron	2,290.47	99.79
		For Cement Mortar Lining (CML), Add	*208.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*375.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*156.31*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*1,250.50*	
33 14 13 13-1194	EA	16" 90 Degree Elbow, Push-On Joint Ductile Iron	2,588.60	114.07
		For Cement Mortar Lining (CML), Add	*235.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*423.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*176.47*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*1,411.75*	
33 14 13 13-1195	EA	18" 90 Degree Elbow, Push-On Joint Ductile Iron	4,043.06	159.70
		For Cement Mortar Lining (CML), Add	*371.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*668.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*278.48*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*2,227.87*	
33 14 13 13-1196	EA	20" 90 Degree Elbow, Push-On Joint Ductile Iron	4,538.57	201.30
		For Cement Mortar Lining (CML), Add	*413.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*744.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*310.20*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*2,481.62*	
33 14 13 13-1197	EA	24" 90 Degree Elbow, Push-On Joint Ductile Iron	5,666.93	251.64
		For Cement Mortar Lining (CML), Add	*516.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*929.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*387.28*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*3,098.26*	

33 14 13 13-1198 Push-On Joint Ductile Iron 45 Degree Elbow *(33 14 13 13-1170)*

33 14 13 13-1199	EA	4" 45 Degree Elbow, Push-On Joint Ductile Iron	243.00	39.20
		For Cement Mortar Lining (CML), Add	*18.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*33.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*13.77*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*110.15*	
33 14 13 13-1200	EA	6" 45 Degree Elbow, Push-On Joint Ductile Iron	357.55	57.84
		For Cement Mortar Lining (CML), Add	*26.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*48.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*20.24*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*161.93*	
33 14 13 13-1201	EA	8" 45 Degree Elbow, Push-On Joint Ductile Iron	501.07	68.67
		For Cement Mortar Lining (CML), Add	*39.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*71.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*29.77*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*238.18*	
33 14 13 13-1202	EA	10" 45 Degree Elbow, Push-On Joint Ductile Iron	767.17	75.81
		For Cement Mortar Lining (CML), Add	*61.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*109.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*45.78*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*366.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1203	EA	12" 45 Degree Elbow, Push-On Joint Ductile Iron	996.62	88.95
		For Cement Mortar Lining (CML), Add	*81.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*146.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*60.96*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*487.67*	
33 14 13 13-1204	EA	14" 45 Degree Elbow, Push-On Joint Ductile Iron	1,431.74	99.79
		For Cement Mortar Lining (CML), Add	*122.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*220.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*91.91*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*735.26*	
33 14 13 13-1205	EA	16" 45 Degree Elbow, Push-On Joint Ductile Iron	2,138.96	114.07
		For Cement Mortar Lining (CML), Add	*190.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*342.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*142.75*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*1,141.96*	
33 14 13 13-1206	EA	18" 45 Degree Elbow, Push-On Joint Ductile Iron	2,443.44	159.70
		For Cement Mortar Lining (CML), Add	*211.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*380.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*158.51*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*1,268.10*	
33 14 13 13-1207	EA	20" 45 Degree Elbow, Push-On Joint Ductile Iron	3,443.38	201.30
		For Cement Mortar Lining (CML), Add	*304.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*547.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*228.06*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*1,824.50*	
33 14 13 13-1208	EA	24" 45 Degree Elbow, Push-On Joint Ductile Iron	4,272.03	251.64
		For Cement Mortar Lining (CML), Add	*376.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*678.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*282.66*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*2,261.32*	
33 14 13 13-1209		**Push-On Joint Ductile Iron 22-1/2 Degree Elbow** *(33 14 13 13-1170)*		
33 14 13 13-1210	EA	4" 22-1/2 Degree Elbow, Push-On Joint Ductile Iron	233.83	39.20
		For Cement Mortar Lining (CML), Add	*17.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*31.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*13.08*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*104.65*	
33 14 13 13-1211	EA	6" 22-1/2 Degree Elbow, Push-On Joint Ductile Iron	344.06	57.84
		For Cement Mortar Lining (CML), Add	*25.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*46.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*19.23*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*153.83*	
33 14 13 13-1212	EA	8" 22-1/2 Degree Elbow, Push-On Joint Ductile Iron	481.22	68.67
		For Cement Mortar Lining (CML), Add	*37.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*67.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*28.28*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*226.27*	
33 14 13 13-1213	EA	10" 22-1/2 Degree Elbow, Push-On Joint Ductile Iron	736.65	75.81
		For Cement Mortar Lining (CML), Add	*57.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*104.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*43.49*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*347.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1214	EA	12" 22-1/2 Degree Elbow, Push-On Joint Ductile Iron	955.98	88.95
		For Cement Mortar Lining (CML), Add	*77.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*138.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*57.91*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*463.29*	
33 14 13 13-1215	EA	14" 22-1/2 Degree Elbow, Push-On Joint Ductile Iron	1,370.47	99.79
		For Cement Mortar Lining (CML), Add	*116.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*209.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*87.31*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*698.50*	
33 14 13 13-1216	EA	16" 22-1/2 Degree Elbow, Push-On Joint Ductile Iron	2,043.80	114.07
		For Cement Mortar Lining (CML), Add	*180.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*325.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*135.61*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*1,084.87*	
33 14 13 13-1217	EA	18" 22-1/2 Degree Elbow, Push-On Joint Ductile Iron	2,337.76	159.70
		For Cement Mortar Lining (CML), Add	*200.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*361.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*150.59*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*1,204.69*	
33 14 13 13-1218	EA	20" 22-1/2 Degree Elbow, Push-On Joint Ductile Iron	3,291.34	201.30
		For Cement Mortar Lining (CML), Add	*288.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*519.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*216.66*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*1,733.28*	
33 14 13 13-1219	EA	24" 22-1/2 Degree Elbow, Push-On Joint Ductile Iron	4,083.59	251.64
		For Cement Mortar Lining (CML), Add	*358.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*644.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*268.53*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*2,148.25*	
33 14 13 13-1220		**Push-On Joint Ductile Iron 11-1/4 Degree Elbow** *(33 14 13 13-1170)*		
33 14 13 13-1221	EA	4" 11-1/4 Degree Elbow, Push-On Joint Ductile Iron	233.83	39.20
		For Cement Mortar Lining (CML), Add	*17.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*31.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*13.08*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*104.65*	
33 14 13 13-1222	EA	6" 11-1/4 Degree Elbow, Push-On Joint Ductile Iron	344.06	57.84
		For Cement Mortar Lining (CML), Add	*25.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*46.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*19.23*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*153.83*	
33 14 13 13-1223	EA	8" 11-1/4 Degree Elbow, Push-On Joint Ductile Iron	481.22	68.67
		For Cement Mortar Lining (CML), Add	*37.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*67.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*28.28*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*226.27*	
33 14 13 13-1224	EA	10" 11-1/4 Degree Elbow, Push-On Joint Ductile Iron	736.65	75.81
		For Cement Mortar Lining (CML), Add	*57.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*104.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*43.49*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*347.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1225	EA	12" 11-1/4 Degree Elbow, Push-On Joint Ductile Iron	955.98	88.95
		For Cement Mortar Lining (CML), Add	*77.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*138.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*57.91*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*463.29*	
33 14 13 13-1226	EA	14" 11-1/4 Degree Elbow, Push-On Joint Ductile Iron	1,370.47	99.79
		For Cement Mortar Lining (CML), Add	*116.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*209.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*87.31*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*698.50*	
33 14 13 13-1227	EA	16" 11-1/4 Degree Elbow, Push-On Joint Ductile Iron	2,043.80	114.07
		For Cement Mortar Lining (CML), Add	*180.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*325.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*135.61*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*1,084.87*	
33 14 13 13-1228	EA	18" 11-1/4 Degree Elbow, Push-On Joint Ductile Iron	2,337.76	159.70
		For Cement Mortar Lining (CML), Add	*200.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*361.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*150.59*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*1,204.69*	
33 14 13 13-1229	EA	20" 11-1/4 Degree Elbow, Push-On Joint Ductile Iron	3,291.34	201.30
		For Cement Mortar Lining (CML), Add	*288.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*519.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*216.66*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*1,733.28*	
33 14 13 13-1230	EA	24" 11-1/4 Degree Elbow, Push-On Joint Ductile Iron	4,083.59	251.64
		For Cement Mortar Lining (CML), Add	*358.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*644.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*268.53*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*2,148.25*	
33 14 13 13-1231		**Push-On Joint Ductile Iron Tee** *(33 14 13 13-1170)*		
33 14 13 13-1232	EA	4" Tee, Push-On Joint Ductile Iron	455.09	57.84
		For Cement Mortar Lining (CML), Add	*36.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*66.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*27.56*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*220.45*	
33 14 13 13-1233	EA	6" Tee, Push-On Joint Ductile Iron	631.59	85.00
		For Cement Mortar Lining (CML), Add	*50.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*90.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*37.71*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*301.66*	
33 14 13 13-1234	EA	8" Tee, Push-On Joint Ductile Iron	868.98	103.02
		For Cement Mortar Lining (CML), Add	*71.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*128.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*53.46*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*427.65*	
33 14 13 13-1235	EA	10" Tee, Push-On Joint Ductile Iron	1,294.39	115.22
		For Cement Mortar Lining (CML), Add	*112.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*201.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*84.12*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*672.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1236	EA	12" Tee, Push-On Joint Ductile Iron	1,616.02	132.85
		For Cement Mortar Lining (CML), Add	*141.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*254.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*106.08*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*848.63*	
33 14 13 13-1237	EA	14" Tee, Push-On Joint Ductile Iron	2,627.80	159.70
		For Cement Mortar Lining (CML), Add	*238.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*429.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*178.94*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*1,431.50*	
33 14 13 13-1238	EA	16" Tee, Push-On Joint Ductile Iron	3,812.63	199.68
		For Cement Mortar Lining (CML), Add	*351.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*631.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*263.26*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*2,106.11*	
33 14 13 13-1239	EA	18" Tee, Push-On Joint Ductile Iron	4,784.96	266.39
		For Cement Mortar Lining (CML), Add	*438.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*788.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*328.60*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*2,628.80*	
33 14 13 13-1240	EA	20" Tee, Push-On Joint Ductile Iron	5,633.55	325.04
		For Cement Mortar Lining (CML), Add	*514.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*925.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*385.58*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*3,084.66*	
33 14 13 13-1241	EA	24" Tee, Push-On Joint Ductile Iron	7,387.54	406.27
		For Cement Mortar Lining (CML), Add	*677.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,218.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*507.90*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*4,063.22*	

33 14 13 13-1242 Flanged End x Push-On Joint Ductile Iron Adapters *(33 14 13 13-1170)*

33 14 13 13-1243	EA	4" Flanged End x Push-On Joint Adapter, Ductile Iron	457.50	136.02
		For Cement Mortar Lining (CML), Add	*25.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*45.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*18.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1244	EA	6" Flanged End x Push-On Joint Adapter, Ductile Iron	559.90	168.41
		For Cement Mortar Lining (CML), Add	*30.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*54.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*22.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1245	EA	8" Flanged End x Push-On Joint Adapter, Ductile Iron	735.76	196.41
		For Cement Mortar Lining (CML), Add	*43.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*78.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*32.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1246	EA	10" Flanged End x Push-On Joint Adapter, Ductile Iron	1,003.51	285.18
		For Cement Mortar Lining (CML), Add	*57.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*102.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*42.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1247	EA	12" Flanged End x Push-On Joint Adapter, Ductile Iron	1,217.61	325.96
		For Cement Mortar Lining (CML), Add	*72.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*130.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*54.29*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1248	EA	14" Flanged End x Push-On Joint Adapter, Ductile Iron	1,407.99	350.96
		For Cement Mortar Lining (CML), Add	*87.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*157.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*65.72*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1249	EA	16" Flanged End x Push-On Joint Adapter, Ductile Iron	1,680.87	380.23
		For Cement Mortar Lining (CML), Add	*110.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*198.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*82.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1250	EA	18" Flanged End x Push-On Joint Adapter, Ductile Iron	1,986.56	456.27
		For Cement Mortar Lining (CML), Add	*129.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*233.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*97.14*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1251	EA	20" Flanged End x Push-On Joint Adapter, Ductile Iron	2,311.01	506.98
		For Cement Mortar Lining (CML), Add	*154.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*277.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*115.72*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1252	EA	24" Flanged End x Push-On Joint Adapter, Ductile Iron	2,905.38	584.97
		For Cement Mortar Lining (CML), Add	*201.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*363.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*151.43*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1253	EA	30" Flanged End x Push-On Joint Adapter, Ductile Iron	4,687.22	701.93
		For Cement Mortar Lining (CML), Add	*362.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*652.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*271.77*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1254	EA	36" Flanged End x Push-On Joint Adapter, Ductile Iron	6,499.79	877.40
		For Cement Mortar Lining (CML), Add	*517.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*930.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*387.77*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1255	EA	42" Flanged End x Push-On Joint Adapter, Ductile Iron	8,231.17	1,013.94
		For Cement Mortar Lining (CML), Add	*669.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,205.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*502.12*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1256	EA	48" Flanged End x Push-On Joint Adapter, Ductile Iron	10,504.03	1,303.61
		For Cement Mortar Lining (CML), Add	*852.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,535.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*639.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1257	EA	54" Flanged End x Push-On Joint Adapter, Ductile Iron	12,772.16	1,521.26
		For Cement Mortar Lining (CML), Add	*1,046.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,884.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*785.03*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-1258 Push-On Joint Ductile Iron Pipe And Fitting Restraints *(33 14 13 13-1170)*

Note: Includes ductile iron follower gland, restraint ring and all nuts and bolts. Excludes pipe and fitting.

33 14 13 13-1259	EA	4" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	58.28	21.17
33 14 13 13-1260	EA	6" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	75.87	27.62
33 14 13 13-1261	EA	8" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	98.57	28.19
33 14 13 13-1262	EA	10" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	117.48	29.95
33 14 13 13-1263	EA	12" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	140.35	33.26
33 14 13 13-1264	EA	14" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	178.39	37.42
33 14 13 13-1265	EA	16" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	210.81	42.77
33 14 13 13-1266	EA	18" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	238.10	46.35
33 14 13 13-1267	EA	20" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	277.24	55.60
33 14 13 13-1268	EA	24" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	335.63	57.75
33 14 13 13-1269	EA	30" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	433.27	64.16
33 14 13 13-1270	EA	36" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	569.43	69.50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1271	EA	42" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	705.94	76.04
33 14 13 13-1272	EA	48" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	834.14	85.55
33 14 13 13-1273	EA	54" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	1,160.06	92.77

33 14 13 13-1274 Push-On Joint Ductile Iron Bell Restraint Harness (MEGALUG® 1700 Series) *(33 14 13 13-1170)*

33 14 13 13-1275	EA	4" Bell Restraint Harness, Ductile Iron (MEGALUG® 170400)	249.85	77.78
33 14 13 13-1276	EA	6" Bell Restraint Harness, Ductile Iron (MEGALUG® 170600)	329.84	94.94
33 14 13 13-1277	EA	8" Bell Restraint Harness, Ductile Iron (MEGALUG® 170800)	424.81	115.80
33 14 13 13-1278	EA	10" Bell Restraint Harness, Ductile Iron (MEGALUG® 17100)	640.87	141.26
33 14 13 13-1279	EA	12" Bell Restraint Harness, Ductile Iron (MEGALUG® 171200)	794.96	172.26
33 14 13 13-1280	EA	14" Bell Restraint Harness, Ductile Iron (MEGALUG® 171400)	1,372.27	210.17
33 14 13 13-1281	EA	16" Bell Restraint Harness, Ductile Iron (MEGALUG® 171600)	1,566.31	256.48
33 14 13 13-1282	EA	18" Bell Restraint Harness, Ductile Iron (MEGALUG® 171800)	1,777.63	312.83
33 14 13 13-1283	EA	20" Bell Restraint Harness, Ductile Iron (MEGALUG® 172000)	2,417.36	381.72
33 14 13 13-1284	EA	24" Bell Restraint Harness, Ductile Iron (MEGALUG® 172400)	3,083.64	465.61
33 14 13 13-1285	EA	30" Bell Restraint Harness, Ductile Iron (MEGALUG® 173000)	5,327.25	568.16
33 14 13 13-1286	EA	36" Bell Restraint Harness, Ductile Iron (MEGALUG® 173600)	7,561.01	693.06
33 14 13 13-1287	EA	42" Bell Restraint Harness, Ductile Iron (MEGALUG® 174200)	13,743.45	845.60
33 14 13 13-1288	EA	48" Bell Restraint Harness, Ductile Iron (MEGALUG® 174800)	17,781.08	1,031.57

33 14 13 13-1289 Ductile Iron Pipe Repair *(33 14 13 13-0001)*

See CSI section 33 14 13 13-0002 for mechanical joint fittings.

33 14 13 13-1290 Ductile Iron Pipe Repair *(33 14 13 13-1289)*

Note: Includes two transition sleeves, mechanical joint ductile iron sleeve and 16' of ductile iron pipe.

33 14 13 13-1291	EA	30" Diameter Mechanical Ductile Iron Push Joint	4,395.56	
33 14 13 13-1292	EA	36" Diameter Mechanical Ductile Iron Push Joint	5,621.44	
33 14 13 13-1293	EA	42" Diameter Mechanical Ductile Iron Push Joint	7,231.28	
33 14 13 13-1294	EA	48" Diameter Mechanical Ductile Iron Push Joint	9,110.42	
33 14 13 13-1295	EA	54" Diameter Mechanical Ductile Iron Push Joint	13,325.71	

33 14 13 13-1296 WEKO Seals *(33 14 13 13-1289)*

Note: Internal joint seal.

33 14 13 13-1297	EA	16" WEKO Internal Joint Seal	2,607.63	204.40
		For Extra Wide Seals, Add	*85.49*	
33 14 13 13-1298	EA	18" WEKO Internal Joint Seal	2,779.33	215.83
		For Extra Wide Seals, Add	*86.36*	
33 14 13 13-1299	EA	20" WEKO Internal Joint Seal	2,950.85	227.27
		For Extra Wide Seals, Add	*87.22*	
33 14 13 13-1300	EA	24" WEKO Internal Joint Seal	3,123.21	245.45
		For Extra Wide Seals, Add	*88.60*	
33 14 13 13-1301	EA	30" WEKO Internal Joint Seal	3,217.29	263.62
		For Extra Wide Seals, Add	*89.97*	
33 14 13 13-1302	EA	36" WEKO Internal Joint Seal	3,369.12	286.36
		For Extra Wide Seals, Add	*91.69*	
33 14 13 13-1303	EA	42" WEKO Internal Joint Seal	3,586.56	313.63
		For Extra Wide Seals, Add	*93.76*	
33 14 13 13-1304	EA	48" WEKO Internal Joint Seal	3,875.36	336.35
		For Extra Wide Seals, Add	*95.48*	
33 14 13 13-1305	EA	54" WEKO Internal Joint Seal	4,016.43	354.54
		For Extra Wide Seals, Add	*96.86*	
33 14 13 13-1306	EA	60" WEKO Internal Joint Seal	4,179.07	381.81
		For Extra Wide Seals, Add	*98.93*	

33 14 13 23 Plastic Public Water Utility Distribution Piping *(33 14 13)*

Note: Includes detectable tracer wire.

33 14 13 23-0001 Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Piping *(33 14 13 23)*

33 14 13 23-0002 Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe *(33 14 13 23-0001)*

33 14 13 23-0003	LF	3/4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	2.54	0.88
		For >1,000, Deduct	*-0.13*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.05*	
33 14 13 23-0004	LF	1" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	2.83	0.94
		For >1,000, Deduct	*-0.14*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.07*	
33 14 13 23-0005	LF	1-1/4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	3.31	1.03
		For >1,000, Deduct	*-0.17*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.11*	
33 14 13 23-0006	LF	1-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	3.85	1.14
		For >1,000, Deduct	*-0.19*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.15*	
33 14 13 23-0007	LF	2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	5.06	1.28
		For >1,000, Deduct	*-0.25*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.28*	
33 14 13 23-0008	LF	2-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	6.59	1.45
		For >1,000, Deduct	*-0.33*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.45*	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0009	LF	3" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	8.21	1.65
		For >1,000, Deduct	*-0.41*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.61*	
33 14 13 23-0010	LF	4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	11.73	2.04
		For >1,000, Deduct	*-0.59*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*1.00*	
33 14 13 23-0011	LF	6" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	20.96	2.59
		For >1,000, Deduct	*-1.05*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*2.17*	
33 14 13 23-0012	LF	8" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	33.19	3.46
		For >1,000, Deduct	*-1.66*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*3.68*	
33 14 13 23-0013	LF	10" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	49.73	4.63
		For >1,000, Deduct	*-2.49*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*5.72*	
33 14 13 23-0014	LF	12" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	69.33	6.23
		For >1,000, Deduct	*-3.47*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*8.06*	
33 14 13 23-0015		**90 Degree Elbows, Class 200, SDR 21 Polyvinyl Chloride (PVC)** *(33 14 13 23-0001)*		
33 14 13 23-0016	EA	3/4", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	26.70	10.52
33 14 13 23-0017	EA	1", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	33.78	13.15
33 14 13 23-0018	EA	1-1/4", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	42.61	16.43
33 14 13 23-0019	EA	1-1/2", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	66.57	18.18
33 14 13 23-0020	EA	2", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	71.82	20.38
33 14 13 23-0021	EA	2-1/2", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	85.36	23.11
33 14 13 23-0022	EA	3", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	97.28	26.56
33 14 13 23-0023	EA	4", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	136.33	32.61
33 14 13 23-0024	EA	6", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	198.05	41.43
33 14 13 23-0025	EA	8", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	324.70	54.39
33 14 13 23-0026	EA	10", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	397.44	72.76
33 14 13 23-0027	EA	12", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	524.85	97.94
33 14 13 23-0028		**45 Degree Elbows, Class 200, SDR 21 Polyvinyl Chloride (PVC)** *(33 14 13 23-0001)*		
33 14 13 23-0029	EA	3/4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	27.26	10.52
33 14 13 23-0030	EA	1" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	34.19	13.15
33 14 13 23-0031	EA	1-1/4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	42.85	16.43
33 14 13 23-0032	EA	1-1/2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	59.15	18.18
33 14 13 23-0033	EA	2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	72.51	20.38
33 14 13 23-0034	EA	2-1/2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	88.16	23.11
33 14 13 23-0035	EA	3" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	96.09	26.56
33 14 13 23-0036	EA	4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	133.78	32.61
33 14 13 23-0037	EA	6" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	192.90	41.43
33 14 13 23-0038	EA	8" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	314.90	54.39
33 14 13 23-0039	EA	10" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	356.81	72.76
33 14 13 23-0040	EA	12" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	468.61	97.94
33 14 13 23-0041		**Tees Or Wyes, Class 200, SDR 21 Polyvinyl Chloride (PVC)** *(33 14 13 23-0001)*		
33 14 13 23-0042	EA	3/4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	40.01	15.77
33 14 13 23-0043	EA	1" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	50.53	19.83
33 14 13 23-0044	EA	1-1/4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	63.41	24.76
33 14 13 23-0045	EA	1-1/2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	90.74	27.39
33 14 13 23-0046	EA	2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	103.52	30.45
33 14 13 23-0047	EA	2-1/2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	120.81	34.73
33 14 13 23-0048	EA	3" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	149.06	39.72
33 14 13 23-0049	EA	4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	196.92	48.97
33 14 13 23-0050	EA	6" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	332.57	62.25
33 14 13 23-0051	EA	8" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	502.16	81.59
33 14 13 23-0052	EA	10" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	578.57	111.10
33 14 13 23-0053	EA	12" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	719.11	149.51
33 14 13 23-0054		**Couplings, Class 200, SDR 21 Polyvinyl Chloride (PVC)** *(33 14 13 23-0001)*		
33 14 13 23-0055	EA	3/4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	17.88	7.02
33 14 13 23-0056	EA	1" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	24.17	9.43
33 14 13 23-0057	EA	1-1/4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	32.36	12.38
33 14 13 23-0058	EA	1-1/2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	46.54	13.70
33 14 13 23-0059	EA	2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	51.26	15.23
33 14 13 23-0060	EA	2-1/2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	58.29	17.31
33 14 13 23-0061	EA	3" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	68.35	19.86
33 14 13 23-0062	EA	4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	94.74	24.43
33 14 13 23-0063	EA	6" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	136.70	31.12
33 14 13 23-0064	EA	8" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	236.29	40.79
33 14 13 23-0065	EA	10" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	273.35	55.60
33 14 13 23-0066	EA	12" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	346.70	74.75
33 14 13 23-0067		**Schedule 40 Polyvinyl Chloride (PVC) Pipe And Fittings** *(33 14 13 23)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0068		**Schedule 40 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0067)*		
33 14 13 23-0069	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe	2.83	0.88
		For >1,000, Deduct	*-0.14*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.10*	
33 14 13 23-0070	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Pipe	3.37	0.94
		For >1,000, Deduct	*-0.17*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.15*	
33 14 13 23-0071	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe	4.36	1.14
		For >1,000, Deduct	*-0.22*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.23*	
33 14 13 23-0072	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Pipe	5.25	1.28
		For >1,000, Deduct	*-0.26*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.31*	
33 14 13 23-0073	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe	6.89	1.45
		For >1,000, Deduct	*-0.34*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.49*	
33 14 13 23-0074	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Pipe	8.40	1.65
		For >1,000, Deduct	*-0.42*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.64*	
33 14 13 23-0075	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Pipe	11.22	2.04
		For >1,000, Deduct	*-0.56*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.92*	
33 14 13 23-0076	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Pipe	17.17	2.59
		For >1,000, Deduct	*-0.86*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*1.60*	
33 14 13 23-0077		**Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows** *(33 14 13 23-0067)*		
33 14 13 23-0078	EA	3/4" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	26.90	10.52
33 14 13 23-0079	EA	1" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	33.90	13.15
33 14 13 23-0080	EA	1-1/2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	47.20	18.18
33 14 13 23-0081	EA	2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	53.42	20.38
33 14 13 23-0082	EA	2-1/2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	64.70	23.11
33 14 13 23-0083	EA	3" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	74.67	26.56
33 14 13 23-0084	EA	4" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	98.48	32.61
33 14 13 23-0085	EA	6" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	157.52	41.43
33 14 13 23-0086		**Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows** *(33 14 13 23-0067)*		
33 14 13 23-0087	EA	3/4" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	26.85	10.52
33 14 13 23-0088	EA	1" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	33.85	13.15
33 14 13 23-0089	EA	1-1/2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	47.22	18.18
33 14 13 23-0090	EA	2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	53.23	20.38
33 14 13 23-0091	EA	2-1/2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	64.17	23.11
33 14 13 23-0092	EA	3" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	74.05	26.56
33 14 13 23-0093	EA	4" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	97.23	32.61
33 14 13 23-0094	EA	6" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	153.54	41.43
33 14 13 23-0095		**Schedule 40 Polyvinyl Chloride (PVC) Tees Or Wyes** *(33 14 13 23-0067)*		
33 14 13 23-0096	EA	3/4" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	40.22	15.77
33 14 13 23-0097	EA	1" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	50.70	19.83
33 14 13 23-0098	EA	1-1/2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	70.56	27.39
33 14 13 23-0099	EA	2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	79.45	30.45
33 14 13 23-0100	EA	2-1/2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	97.34	34.73
33 14 13 23-0101	EA	3" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	114.54	39.72
33 14 13 23-0102	EA	4" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	142.63	48.97
33 14 13 23-0103	EA	6" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	240.10	62.25
33 14 13 23-0104		**Schedule 40 Polyvinyl Chloride (PVC) Couplings** *(33 14 13 23-0067)*		
33 14 13 23-0105	EA	3/4" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	17.98	7.02
33 14 13 23-0106	EA	1" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	24.25	9.43
33 14 13 23-0107	EA	1-1/2" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	35.15	13.70
33 14 13 23-0108	EA	2" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	39.71	15.23
33 14 13 23-0109	EA	2-1/2" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	46.82	17.31
33 14 13 23-0110	EA	3" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	55.06	19.86
33 14 13 23-0111	EA	4" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	68.28	24.43
33 14 13 23-0112	EA	6" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	102.30	31.12
33 14 13 23-0113		**Crosses, Schedule 40 Polyvinyl Chloride (PVC)** *(33 14 13 23-0067)*		
33 14 13 23-0114	EA	3/4" Cross, Schedule 40 Polyvinyl Chloride (PVC)	53.81	21.04
33 14 13 23-0115	EA	1" Cross, Schedule 40 Polyvinyl Chloride (PVC)	67.52	26.40
33 14 13 23-0116	EA	1-1/2" Cross, Schedule 40 Polyvinyl Chloride (PVC)	94.06	36.49
33 14 13 23-0117	EA	2" Cross, Schedule 40 Polyvinyl Chloride (PVC)	105.92	40.65
33 14 13 23-0118	EA	2-1/2" Cross, Schedule 40 Polyvinyl Chloride (PVC)	129.74	46.24
33 14 13 23-0119	EA	3" Cross, Schedule 40 Polyvinyl Chloride (PVC)	152.63	53.01
33 14 13 23-0120	EA	4" Cross, Schedule 40 Polyvinyl Chloride (PVC)	190.05	65.22
33 14 13 23-0121	EA	6" Cross, Schedule 40 Polyvinyl Chloride (PVC)	319.64	82.96

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0122		**Schedule 80 Polyvinyl Chloride (PVC) Pipe And Fittings** *(33 14 13 23)*		
33 14 13 23-0123		**Schedule 80 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0122)*		
33 14 13 23-0124	LF	1" Schedule 80 Polyvinyl Chloride (PVC) Pipe	3.69	0.94
		For >1,000, Deduct	*-0.18*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.20*	
33 14 13 23-0125	LF	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe	4.99	1.14
		For >1,000, Deduct	*-0.25*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.32*	
33 14 13 23-0126	LF	2" Schedule 80 Polyvinyl Chloride (PVC) Pipe	6.30	1.28
		For >1,000, Deduct	*-0.32*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.47*	
33 14 13 23-0127	LF	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe	8.25	1.45
		For >1,000, Deduct	*-0.41*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.70*	
33 14 13 23-0128	LF	3" Schedule 80 Polyvinyl Chloride (PVC) Pipe	10.32	1.65
		For >1,000, Deduct	*-0.52*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.93*	
33 14 13 23-0129	LF	4" Schedule 80 Polyvinyl Chloride (PVC) Pipe	14.14	2.04
		For >1,000, Deduct	*-0.71*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*1.36*	
33 14 13 23-0130	LF	6" Schedule 80 Polyvinyl Chloride (PVC) Pipe	23.69	2.59
		For >1,000, Deduct	*-1.18*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*2.58*	
33 14 13 23-0131		**Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows** *(33 14 13 23-0122)*		
33 14 13 23-0132	EA	1" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	35.52	13.15
33 14 13 23-0133	EA	1-1/2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	47.20	18.18
33 14 13 23-0134	EA	2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	55.04	20.38
33 14 13 23-0135	EA	2-1/2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	68.14	23.11
33 14 13 23-0136	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	77.87	26.56
33 14 13 23-0137	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	99.25	32.61
33 14 13 23-0138	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	153.88	41.43
33 14 13 23-0139		**Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows** *(33 14 13 23-0122)*		
33 14 13 23-0140	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	42.17	13.15
33 14 13 23-0141	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	53.60	18.18
33 14 13 23-0142	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	61.20	20.38
33 14 13 23-0143	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	79.69	23.11
33 14 13 23-0144	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	92.90	26.56
33 14 13 23-0145	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	129.48	32.61
33 14 13 23-0146	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	151.85	41.43
33 14 13 23-0147		**Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes** *(33 14 13 23-0122)*		
33 14 13 23-0148	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	54.10	19.83
33 14 13 23-0149	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	80.89	27.39
33 14 13 23-0150	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	91.77	30.45
33 14 13 23-0151	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	103.87	34.73
33 14 13 23-0152	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	120.78	39.72
33 14 13 23-0153	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	147.12	48.97
33 14 13 23-0154	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	239.94	62.25
33 14 13 23-0155		**Schedule 80 Polyvinyl Chloride (PVC) Couplings** *(33 14 13 23-0122)*		
33 14 13 23-0156	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Coupling	26.68	9.43
33 14 13 23-0157	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	39.33	13.70
33 14 13 23-0158	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	43.64	15.23
33 14 13 23-0159	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	56.91	17.31
33 14 13 23-0160	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Coupling	65.23	19.86
33 14 13 23-0161	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Coupling	80.64	24.43
33 14 13 23-0162	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Coupling	119.56	31.12
33 14 13 23-0163		**Crosses, Schedule 80 Polyvinyl Chloride (PVC)** *(33 14 13 23-0122)*		
33 14 13 23-0164	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Cross	72.04	26.40
33 14 13 23-0165	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross	107.78	36.49
33 14 13 23-0166	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Cross	122.27	40.65
33 14 13 23-0167	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross	138.40	46.24
33 14 13 23-0168	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Cross	160.91	53.01
33 14 13 23-0169	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Cross	196.02	65.22
33 14 13 23-0170	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Cross	319.43	82.96
33 14 13 23-0171		**AWWA C900/C905 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23)* Note: Includes hub on one end of pipe. C900 is available in blue, white, purple or green.		
33 14 13 23-0172		**AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0171)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0173	LF	4" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	11.48	4.10
33 14 13 23-0174	LF	6" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	16.62	4.98
33 14 13 23-0175	LF	8" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	22.70	5.60
33 14 13 23-0176	LF	10" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	29.79	6.22
33 14 13 23-0177	LF	12" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	38.50	6.97
33 14 13 23-0178		**AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0171)*		
33 14 13 23-0179	LF	4" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	12.66	4.10
33 14 13 23-0180	LF	6" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	19.06	4.98
33 14 13 23-0181	LF	8" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	26.79	5.60
33 14 13 23-0182	LF	10" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	36.16	6.22
33 14 13 23-0183	LF	12" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	47.40	6.97
33 14 13 23-0184		**AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0171)*		
33 14 13 23-0185	LF	4" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	13.81	4.10
33 14 13 23-0186	LF	6" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	21.47	4.98
33 14 13 23-0187	LF	8" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	30.89	5.60
33 14 13 23-0188	LF	10" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	42.39	6.22
33 14 13 23-0189	LF	12" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	56.30	6.97
33 14 13 23-0190		**AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0171)*		
33 14 13 23-0191	LF	18" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	60.40	10.45
33 14 13 23-0192	LF	20" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	73.64	12.43
33 14 13 23-0193	LF	24" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	98.70	14.93
33 14 13 23-0194	LF	30" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	142.44	17.41
33 14 13 23-0195	LF	36" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	196.44	19.90
33 14 13 23-0196	LF	42" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	248.75	21.14
33 14 13 23-0197	LF	48" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	314.89	22.77
33 14 13 23-0198		**AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0171)*		
33 14 13 23-0199	LF	14" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	44.60	7.84
33 14 13 23-0200	LF	16" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	55.89	8.71
33 14 13 23-0201	LF	18" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	69.30	10.45
33 14 13 23-0202	LF	20" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	85.20	12.43
33 14 13 23-0203	LF	24" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	116.53	14.93
33 14 13 23-0204	LF	30" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	168.02	17.41
33 14 13 23-0205	LF	36" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	230.70	19.90
33 14 13 23-0206	LF	42" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	305.73	21.14
33 14 13 23-0207	LF	48" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	388.81	22.77
33 14 13 23-0208		**AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0171)*		
33 14 13 23-0209	LF	14" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	51.45	7.84
33 14 13 23-0210	LF	16" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	65.41	8.71
33 14 13 23-0211	LF	18" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	81.12	10.45
33 14 13 23-0212	LF	20" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	100.53	12.43
33 14 13 23-0213	LF	24" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	138.55	14.93
33 14 13 23-0214	LF	30" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	201.09	17.41
33 14 13 23-0215	LF	36" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	278.98	19.90
33 14 13 23-0216	LF	42" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	362.92	21.14
33 14 13 23-0217	LF	48" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	463.44	22.77
33 14 13 23-0218		**AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0171)*		
33 14 13 23-0219	LF	14" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	63.17	7.84
33 14 13 23-0220	LF	16" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	79.32	8.71
33 14 13 23-0221	LF	18" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	99.03	10.45
33 14 13 23-0222	LF	20" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	122.17	12.43
33 14 13 23-0223	LF	24" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	169.74	14.93
33 14 13 23-0224	LF	30" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	250.05	17.41
33 14 13 23-0225	LF	36" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	354.25	19.90
33 14 13 23-0226	LF	42" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	473.31	21.14
33 14 13 23-0227	LF	48" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	611.58	22.77
33 14 13 23-0228		**AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0171)*		
33 14 13 23-0229	LF	14" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	71.97	7.84
33 14 13 23-0230	LF	16" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	90.78	8.71
33 14 13 23-0231	LF	18" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	113.48	10.45
33 14 13 23-0232	LF	20" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	140.16	12.43
33 14 13 23-0233	LF	24" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	195.63	14.93
33 14 13 23-0234	LF	30" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	289.87	17.41
33 14 13 23-0235	LF	36" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	412.42	19.90
33 14 13 23-0236	LF	42" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	553.04	21.14

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0237		**AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0171)*		
33 14 13 23-0238	LF	14" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	80.55	7.84
33 14 13 23-0239	LF	16" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	101.92	8.71
33 14 13 23-0240	LF	18" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	127.52	10.45
33 14 13 23-0241	LF	20" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	157.66	12.43
33 14 13 23-0242	LF	24" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	220.80	14.93
33 14 13 23-0243	LF	30" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	328.61	17.41
33 14 13 23-0244	LF	36" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	469.02	19.90
33 14 13 23-0245		**AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) Fittings** *(33 14 13 23)*		
		Note: Includes rubber gaskets.		
33 14 13 23-0246		**90 Degree Elbows, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)** *(33 14 13 23-0245)*		
33 14 13 23-0247	EA	4" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	214.69	13.15
		For DR 25, Deduct	*-11.30*	
33 14 13 23-0248	EA	6" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	440.80	14.79
		For DR 25, Deduct	*-24.67*	
33 14 13 23-0249	EA	8" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	662.74	16.43
		For DR 25, Deduct	*-37.79*	
33 14 13 23-0250	EA	10" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,011.70	25.96
		For DR 25, Deduct	*-57.59*	
33 14 13 23-0251	EA	12" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,315.49	43.27
		For DR 25, Deduct	*-73.74*	
33 14 13 23-0252	EA	14" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,976.83	54.09
		For DR 25, Deduct	*-112.12*	
33 14 13 23-0253	EA	16" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,359.05	64.91
		For DR 25, Deduct	*-133.75*	
33 14 13 23-0254	EA	18" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,051.00	86.54
		For DR 25, Deduct	*-232.67*	
33 14 13 23-0255	EA	20" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,986.73	108.18
		For DR 25, Deduct	*-286.22*	
33 14 13 23-0256	EA	24" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	8,281.88	146.04
		For DR 25, Deduct	*-479.39*	
33 14 13 23-0257		**45 Degree Elbows, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)** *(33 14 13 23-0245)*		
33 14 13 23-0258	EA	4" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	190.08	13.15
		For DR 25, Deduct	*-9.83*	
33 14 13 23-0259	EA	6" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	329.25	14.79
		For DR 25, Deduct	*-17.98*	
33 14 13 23-0260	EA	8" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	417.47	16.43
		For DR 25, Deduct	*-23.08*	
33 14 13 23-0261	EA	10" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	589.90	25.96
		For DR 25, Deduct	*-32.28*	
33 14 13 23-0262	EA	12" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	787.68	43.27
		For DR 25, Deduct	*-42.07*	
33 14 13 23-0263	EA	14" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,517.71	54.09
		For DR 25, Deduct	*-84.57*	
33 14 13 23-0264	EA	16" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,924.10	64.91
		For DR 25, Deduct	*-107.66*	
33 14 13 23-0265	EA	18" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,323.80	86.54
		For DR 25, Deduct	*-189.04*	
33 14 13 23-0266	EA	20" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,128.24	108.18
		For DR 25, Deduct	*-234.71*	
33 14 13 23-0267	EA	24" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,826.53	146.04
		For DR 25, Deduct	*-332.07*	
33 14 13 23-0268		**22-1/2 Degree Elbows, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)** *(33 14 13 23-0245)*		
33 14 13 23-0269	EA	4" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	187.09	13.15
		For DR 25, Deduct	*-9.65*	
33 14 13 23-0270	EA	6" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	329.25	14.79
		For DR 25, Deduct	*-17.98*	
33 14 13 23-0271	EA	8" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	417.47	16.43
		For DR 25, Deduct	*-23.08*	
33 14 13 23-0272	EA	10" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	589.92	25.96
		For DR 25, Deduct	*-32.28*	
33 14 13 23-0273	EA	12" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	787.68	43.27
		For DR 25, Deduct	*-42.07*	
33 14 13 23-0274	EA	14" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,513.36	51.93
		For DR 25, Deduct	*-84.57*	
33 14 13 23-0275	EA	16" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,924.08	64.91
		For DR 25, Deduct	*-107.66*	
33 14 13 23-0276	EA	18" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,323.80	86.54
		For DR 25, Deduct	*-189.04*	
33 14 13 23-0277	EA	20" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,128.24	108.18
		For DR 25, Deduct	*-234.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0278	EA	24" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,826.53	146.04
		For DR 25, Deduct	*-332.07*	

33 14 13 23-0279 11-1/4 Degree Elbows, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) *(33 14 13 23-0245)*

33 14 13 23-0280	EA	4" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	165.07	13.15
		For DR 25, Deduct	*-8.33*	
33 14 13 23-0281	EA	6" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	329.25	14.79
		For DR 25, Deduct	*-17.98*	
33 14 13 23-0282	EA	8" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	417.47	16.43
		For DR 25, Deduct	*-23.08*	
33 14 13 23-0283	EA	10" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	589.92	25.96
		For DR 25, Deduct	*-32.28*	
33 14 13 23-0284	EA	12" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	787.68	43.27
		For DR 25, Deduct	*-42.07*	
33 14 13 23-0285	EA	14" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,513.36	51.93
		For DR 25, Deduct	*-84.57*	
33 14 13 23-0286	EA	16" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,924.08	64.91
		For DR 25, Deduct	*-107.66*	
33 14 13 23-0287	EA	18" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,323.80	86.54
		For DR 25, Deduct	*-189.04*	
33 14 13 23-0288	EA	20" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,128.24	108.18
		For DR 25, Deduct	*-234.71*	
33 14 13 23-0289	EA	24" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,826.53	146.04
		For DR 25, Deduct	*-332.07*	

33 14 13 23-0290 Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) *(33 14 13 23-0245)*

33 14 13 23-0291	EA	4" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	255.24	14.79
		For DR 25, Deduct	*-13.54*	
33 14 13 23-0292	EA	6" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	494.18	16.43
		For DR 25, Deduct	*-27.68*	
33 14 13 23-0293	EA	8" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	690.06	18.63
		For DR 25, Deduct	*-39.17*	
33 14 13 23-0294	EA	10" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,423.02	32.45
		For DR 25, Deduct	*-81.49*	
33 14 13 23-0295	EA	12" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,733.98	64.91
		For DR 25, Deduct	*-96.25*	
33 14 13 23-0296	EA	14" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,135.74	81.13
		For DR 25, Deduct	*-178.41*	
33 14 13 23-0297	EA	16" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,884.28	97.36
		For DR 25, Deduct	*-221.37*	
33 14 13 23-0298	EA	18" Tee, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,900.26	129.81
		For DR 25, Deduct	*-278.44*	
33 14 13 23-0299	EA	20" Tee, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,883.87	162.27
		For DR 25, Deduct	*-333.56*	
33 14 13 23-0300	EA	24" Tee, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	8,085.28	110.34
		For DR 25, Deduct	*-471.88*	

33 14 13 23-0301 Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) *(33 14 13 23-0245)*

33 14 13 23-0302	EA	6" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	491.56	21.36
		For DR 25, Deduct	*-26.93*	
33 14 13 23-0303	EA	8" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	669.24	23.01
		For DR 25, Deduct	*-37.39*	
33 14 13 23-0304	EA	8" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	685.97	23.83
		For DR 25, Deduct	*-38.30*	
33 14 13 23-0305	EA	10" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	889.64	32.45
		For DR 25, Deduct	*-49.48*	
33 14 13 23-0306	EA	10" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,206.09	33.26
		For DR 25, Deduct	*-68.37*	
33 14 13 23-0307	EA	10" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,290.41	34.08
		For DR 25, Deduct	*-73.34*	
33 14 13 23-0308	EA	12" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,366.52	49.76
		For DR 25, Deduct	*-76.02*	
33 14 13 23-0309	EA	12" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,569.38	50.58
		For DR 25, Deduct	*-88.09*	
33 14 13 23-0310	EA	12" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,665.19	51.38
		For DR 25, Deduct	*-93.75*	
33 14 13 23-0311	EA	12" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,696.13	56.25
		For DR 25, Deduct	*-95.02*	
33 14 13 23-0312	EA	14" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,578.96	58.41
		For DR 25, Deduct	*-147.73*	
33 14 13 23-0313	EA	14" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,682.87	59.23
		For DR 25, Deduct	*-153.86*	
33 14 13 23-0314	EA	14" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,787.04	60.04
		For DR 25, Deduct	*-160.02*	
33 14 13 23-0315	EA	14" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,898.71	64.91
		For DR 25, Deduct	*-166.13*	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0316	EA	14" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,018.37	73.56
		For DR 25, Deduct	*-172.28*	
33 14 13 23-0317	EA	16" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,218.62	71.40
		For DR 25, Deduct	*-184.55*	
33 14 13 23-0318	EA	16" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,320.87	71.40
		For DR 25, Deduct	*-190.68*	
33 14 13 23-0319	EA	16" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,424.80	72.21
		For DR 25, Deduct	*-196.82*	
33 14 13 23-0320	EA	16" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,528.72	73.03
		For DR 25, Deduct	*-202.96*	
33 14 13 23-0321	EA	16" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,658.02	86.54
		For DR 25, Deduct	*-209.10*	
33 14 13 23-0322	EA	16" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,768.96	90.87
		For DR 25, Deduct	*-215.23*	
33 14 13 23-0323	EA	18" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,977.14	93.03
		For DR 25, Deduct	*-227.46*	
33 14 13 23-0324	EA	18" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,081.77	93.84
		For DR 25, Deduct	*-233.64*	
33 14 13 23-0325	EA	18" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,185.68	94.66
		For DR 25, Deduct	*-239.78*	
33 14 13 23-0326	EA	18" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,297.70	99.53
		For DR 25, Deduct	*-245.92*	
33 14 13 23-0327	EA	18" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,417.25	108.18
		For DR 25, Deduct	*-252.05*	
33 14 13 23-0328	EA	18" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,527.50	112.51
		For DR 25, Deduct	*-258.15*	
33 14 13 23-0329	EA	18" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,667.47	118.99
		For DR 25, Deduct	*-265.77*	
33 14 13 23-0330	EA	20" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,044.63	114.67
		For DR 25, Deduct	*-288.92*	
33 14 13 23-0331	EA	20" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,220.91	115.48
		For DR 25, Deduct	*-299.40*	
33 14 13 23-0332	EA	20" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,290.24	116.29
		For DR 25, Deduct	*-303.46*	
33 14 13 23-0333	EA	20" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,367.77	121.16
		For DR 25, Deduct	*-307.53*	
33 14 13 23-0334	EA	20" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,452.82	129.81
		For DR 25, Deduct	*-311.59*	
33 14 13 23-0335	EA	20" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,571.28	134.14
		For DR 25, Deduct	*-318.18*	
33 14 13 23-0336	EA	20" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,694.11	140.63
		For DR 25, Deduct	*-324.77*	
33 14 13 23-0337	EA	20" x 18" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,788.98	151.46
		For DR 25, Deduct	*-329.16*	
33 14 13 23-0338	EA	24" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,937.64	152.53
		For DR 25, Deduct	*-337.95*	
33 14 13 23-0339	EA	24" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	6,012.54	153.34
		For DR 25, Deduct	*-342.35*	
33 14 13 23-0340	EA	24" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	6,087.43	154.16
		For DR 25, Deduct	*-346.75*	
33 14 13 23-0341	EA	24" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	6,395.08	159.02
		For DR 25, Deduct	*-364.62*	
33 14 13 23-0342	EA	24" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	6,710.28	167.68
		For DR 25, Deduct	*-382.50*	
33 14 13 23-0343	EA	24" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	7,016.87	172.01
		For DR 25, Deduct	*-400.37*	
33 14 13 23-0344	EA	24" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	7,327.79	178.49
		For DR 25, Deduct	*-418.25*	
33 14 13 23-0345	EA	24" x 18" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	7,647.36	189.31
		For DR 25, Deduct	*-436.12*	
33 14 13 23-0346	EA	24" x 20" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	7,966.90	200.14
		For DR 25, Deduct	*-454.00*	

33 14 13 23-0347 Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) *(33 14 13 23-0245)*

33 14 13 23-0348	EA	4" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	353.46	26.29
		For DR 25, Deduct	*-18.05*	
33 14 13 23-0349	EA	6" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	636.60	29.58
		For DR 25, Deduct	*-34.65*	
33 14 13 23-0350	EA	8" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	882.14	32.86
		For DR 25, Deduct	*-48.98*	
33 14 13 23-0351	EA	10" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,800.77	51.93
		For DR 25, Deduct	*-101.82*	
33 14 13 23-0352	EA	12" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,135.43	64.91
		For DR 25, Deduct	*-120.34*	
33 14 13 23-0353	EA	14" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,890.14	86.54
		For DR 25, Deduct	*-223.02*	
33 14 13 23-0354	EA	16" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,827.56	108.18
		For DR 25, Deduct	*-276.68*	
33 14 13 23-0355	EA	18" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	6,147.84	173.09
		For DR 25, Deduct	*-348.10*	
33 14 13 23-0356	EA	20" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	7,381.99	216.36
		For DR 25, Deduct	*-416.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0357	EA	24" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	10,414.32	292.08
		For DR 25, Deduct	*-589.81*	

33 14 13 23-0358 Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) *(33 14 13 23-0245)*

33 14 13 23-0359	EA	6" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	617.36	27.94
		For DR 25, Deduct	*-33.69*	
33 14 13 23-0360	EA	8" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	839.16	29.58
		For DR 25, Deduct	*-46.80*	
33 14 13 23-0361	EA	8" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	860.52	31.22
		For DR 25, Deduct	*-47.88*	
33 14 13 23-0362	EA	10" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,290.88	38.95
		For DR 25, Deduct	*-72.78*	
33 14 13 23-0363	EA	10" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,505.76	40.57
		For DR 25, Deduct	*-85.48*	
33 14 13 23-0364	EA	10" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,654.41	42.19
		For DR 25, Deduct	*-94.20*	
33 14 13 23-0365	EA	12" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,696.76	56.25
		For DR 25, Deduct	*-95.06*	
33 14 13 23-0366	EA	12" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,950.96	57.88
		For DR 25, Deduct	*-110.11*	
33 14 13 23-0367	EA	12" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,071.97	59.50
		For DR 25, Deduct	*-117.18*	
33 14 13 23-0368	EA	12" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,117.83	69.23
		For DR 25, Deduct	*-118.76*	
33 14 13 23-0369	EA	14" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,207.45	64.91
		For DR 25, Deduct	*-184.66*	
33 14 13 23-0370	EA	14" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,338.18	66.53
		For DR 25, Deduct	*-192.31*	
33 14 13 23-0371	EA	14" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,470.31	68.15
		For DR 25, Deduct	*-200.04*	
33 14 13 23-0372	EA	14" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,618.12	77.89
		For DR 25, Deduct	*-207.74*	
33 14 13 23-0373	EA	14" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,780.11	95.20
		For DR 25, Deduct	*-215.38*	
33 14 13 23-0374	EA	16" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,999.95	77.89
		For DR 25, Deduct	*-230.65*	
33 14 13 23-0375	EA	16" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,132.39	79.51
		For DR 25, Deduct	*-238.40*	
33 14 13 23-0376	EA	16" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,263.42	81.13
		For DR 25, Deduct	*-246.07*	
33 14 13 23-0377	EA	16" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,411.12	90.87
		For DR 25, Deduct	*-253.76*	
33 14 13 23-0378	EA	16" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,482.05	108.18
		For DR 25, Deduct	*-255.94*	
33 14 13 23-0379	EA	16" x 14" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,718.08	116.83
		For DR 25, Deduct	*-269.06*	
33 14 13 23-0380	EA	18" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,938.54	99.53
		For DR 25, Deduct	*-284.37*	
33 14 13 23-0381	EA	18" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,070.66	101.15
		For DR 25, Deduct	*-292.10*	
33 14 13 23-0382	EA	18" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,201.89	102.77
		For DR 25, Deduct	*-299.78*	
33 14 13 23-0383	EA	18" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,347.68	112.51
		For DR 25, Deduct	*-307.36*	
33 14 13 23-0384	EA	18" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,511.19	129.81
		For DR 25, Deduct	*-315.09*	
33 14 13 23-0385	EA	18" x 14" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,655.88	138.47
		For DR 25, Deduct	*-322.74*	
33 14 13 23-0386	EA	18" x 16" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,840.36	151.46
		For DR 25, Deduct	*-332.25*	
33 14 13 23-0387	EA	20" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	6,262.04	121.16
		For DR 25, Deduct	*-361.18*	
33 14 13 23-0388	EA	20" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	6,483.24	122.78
		For DR 25, Deduct	*-374.26*	
33 14 13 23-0389	EA	20" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	6,571.76	124.41
		For DR 25, Deduct	*-379.38*	
33 14 13 23-0390	EA	20" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	6,675.58	134.14
		For DR 25, Deduct	*-384.44*	
33 14 13 23-0391	EA	20" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	6,794.57	151.46
		For DR 25, Deduct	*-389.50*	
33 14 13 23-0392	EA	20" x 14" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	6,948.20	160.11
		For DR 25, Deduct	*-397.68*	
33 14 13 23-0393	EA	20" x 16" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	7,113.22	173.09
		For DR 25, Deduct	*-406.02*	
33 14 13 23-0394	EA	20" x 18" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	7,247.78	194.72
		For DR 25, Deduct	*-411.50*	
33 14 13 23-0395	EA	24" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	7,318.10	159.02
		For DR 25, Deduct	*-420.00*	
33 14 13 23-0396	EA	24" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	7,454.06	160.64
		For DR 25, Deduct	*-427.97*	
33 14 13 23-0397	EA	24" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	7,549.24	162.27
		For DR 25, Deduct	*-433.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0398	EA	24" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	7,940.70	172.01
		For DR 25, Deduct	*-455.80*	
33 14 13 23-0399	EA	24" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	8,347.42	189.31
		For DR 25, Deduct	*-478.13*	
33 14 13 23-0400	EA	24" x 14" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	8,736.75	197.97
		For DR 25, Deduct	*-500.45*	
33 14 13 23-0401	EA	24" x 16" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	9,136.34	210.95
		For DR 25, Deduct	*-522.87*	
33 14 13 23-0402	EA	24" x 18" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	9,550.86	232.59
		For DR 25, Deduct	*-545.14*	
33 14 13 23-0403	EA	24" x 20" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	9,966.96	254.22
		For DR 25, Deduct	*-567.51*	

33 14 13 23-0404 Couplings, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) *(33 14 13 23-0245)*

33 14 13 23-0405	EA	4" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	127.75	13.15
		For DR 25, Deduct	*-6.09*	
33 14 13 23-0406	EA	6" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	239.00	14.79
		For DR 25, Deduct	*-12.57*	
33 14 13 23-0407	EA	8" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	287.80	16.43
		For DR 25, Deduct	*-15.30*	
33 14 13 23-0408	EA	10" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	408.54	25.96
		For DR 25, Deduct	*-21.40*	
33 14 13 23-0409	EA	12" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	650.87	32.45
		For DR 25, Deduct	*-35.16*	
33 14 13 23-0410	EA	14" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,130.68	43.27
		For DR 25, Deduct	*-62.65*	
33 14 13 23-0411	EA	16" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,339.10	54.09
		For DR 25, Deduct	*-73.85*	
33 14 13 23-0412	EA	18" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,210.64	86.54
		For DR 25, Deduct	*-182.25*	
33 14 13 23-0413	EA	20" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,598.09	108.18
		For DR 25, Deduct	*-202.90*	
33 14 13 23-0414	EA	24" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,066.90	146.04
		For DR 25, Deduct	*-286.49*	

33 14 13 23-0415 Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) *(33 14 13 23-0245)*

33 14 13 23-0416	EA	4" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	158.64	13.15
		For DR 25, Deduct	*-7.94*	
33 14 13 23-0417	EA	6" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	215.81	14.79
		For DR 25, Deduct	*-11.17*	
33 14 13 23-0418	EA	8" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	314.20	16.43
		For DR 25, Deduct	*-16.88*	
33 14 13 23-0419	EA	10" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	429.13	25.96
		For DR 25, Deduct	*-22.63*	
33 14 13 23-0420	EA	12" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	687.50	43.27
		For DR 25, Deduct	*-36.06*	
33 14 13 23-0421	EA	14" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,831.98	51.93
		For DR 25, Deduct	*-103.69*	
33 14 13 23-0422	EA	16" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,480.47	64.91
		For DR 25, Deduct	*-141.04*	
33 14 13 23-0423	EA	18" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,055.57	86.54
		For DR 25, Deduct	*-172.95*	
33 14 13 23-0424	EA	20" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,650.03	108.18
		For DR 25, Deduct	*-206.02*	
33 14 13 23-0425	EA	24" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,958.54	146.04
		For DR 25, Deduct	*-279.99*	

33 14 13 23-0426 AWWA C906, High-Density Polyethylene (HDPE) Pressure Piping *(33 14 13 23)*

Note: ASTM D3350 pipe, ASTM D2657 heat fusion.

33 14 13 23-0427 High-Density Polyethylene (HDPE) Pressure Pipe *(33 14 13 23-0426)*

33 14 13 23-0428	LF	3" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	8.59	3.23
		For SDR 19, Add	*0.19*	
		For SDR 17, Add	*0.46*	
		For SDR 15.5, Add	*0.67*	
		For SDR 13.5, Add	*1.05*	
		For SDR 11, Add	*1.68*	
33 14 13 23-0429	LF	4" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	9.77	4.10
		For SDR 26, Deduct	*-0.29*	
		For SDR 19, Add	*0.14*	
		For SDR 17, Add	*0.35*	
		For SDR 15.5, Add	*0.51*	
		For SDR 13.5, Add	*0.79*	
		For SDR 11, Add	*1.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0430	LF	6" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	13.33	4.98
		For SDR 26, Deduct	*-0.62*	
		For SDR 19, Add	*0.30*	
		For SDR 17, Add	*0.75*	
		For SDR 15.5, Add	*1.10*	
		For SDR 13.5, Add	*1.72*	
		For SDR 11, Add	*2.76*	
33 14 13 23-0431	LF	8" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	16.92	5.60
		For SDR 26, Deduct	*-1.05*	
		For SDR 19, Add	*0.52*	
		For SDR 17, Add	*1.27*	
		For SDR 15.5, Add	*1.86*	
		For SDR 13.5, Add	*2.91*	
		For SDR 11, Add	*4.68*	
33 14 13 23-0432	LF	10" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	21.34	6.22
		For SDR 26, Deduct	*-1.63*	
		For SDR 19, Add	*0.80*	
		For SDR 17, Add	*1.98*	
		For SDR 15.5, Add	*2.90*	
		For SDR 13.5, Add	*4.53*	
		For SDR 11, Add	*7.28*	
33 14 13 23-0433	LF	12" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	26.66	6.97
		For SDR 26, Deduct	*-2.36*	
		For SDR 19, Add	*1.16*	
		For SDR 17, Add	*2.86*	
		For SDR 15.5, Add	*4.18*	
		For SDR 13.5, Add	*6.53*	
		For SDR 11, Add	*10.50*	
33 14 13 23-0434	LF	14" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	30.66	7.84
		For SDR 26, Deduct	*-2.77*	
		For SDR 19, Add	*1.36*	
		For SDR 17, Add	*3.36*	
		For SDR 15.5, Add	*4.92*	
		For SDR 13.5, Add	*7.67*	
		For SDR 11, Add	*12.35*	
33 14 13 23-0435	LF	16" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	37.15	8.71
		For SDR 26, Deduct	*-3.62*	
		For SDR 19, Add	*1.78*	
		For SDR 17, Add	*4.39*	
		For SDR 15.5, Add	*6.42*	
		For SDR 13.5, Add	*10.03*	
		For SDR 11, Add	*16.14*	
33 14 13 23-0436	LF	18" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	45.89	10.45
		For SDR 26, Deduct	*-4.57*	
		For SDR 19, Add	*2.24*	
		For SDR 17, Add	*5.54*	
		For SDR 15.5, Add	*8.12*	
		For SDR 13.5, Add	*12.67*	
		For SDR 11, Add	*20.39*	
33 14 13 23-0437	LF	20" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	91.23	12.43
		For SDR 26, Deduct	*-12.16*	
		For SDR 19, Add	*5.97*	
		For SDR 17, Add	*14.74*	
		For SDR 15.5, Add	*21.59*	
		For SDR 13.5, Add	*33.70*	
		For SDR 11, Add	*54.24*	
33 14 13 23-0438	LF	24" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	74.23	14.93
		For SDR 26, Deduct	*-8.13*	
		For SDR 19, Add	*3.99*	
		For SDR 17, Add	*9.86*	
		For SDR 15.5, Add	*14.44*	
		For SDR 13.5, Add	*22.54*	
		For SDR 11, Add	*36.28*	

33 14 13 23-0439 90 Degree Elbows, High-Density Polyethylene (HDPE) Pressure Piping *(33 14 13 23-0426)*

33 14 13 23-0440	EA	3" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	62.41	16.43
		For SDR 26, Deduct	*-2.40*	
		For SDR 19, Add	*1.18*	
		For SDR 17, Add	*2.91*	
		For SDR 15.5, Add	*4.27*	
		For SDR 13.5, Add	*6.66*	
		For SDR 11, Add	*10.72*	
33 14 13 23-0441	EA	4" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	70.40	18.27
		For SDR 26, Deduct	*-2.86*	
		For SDR 19, Add	*1.41*	
		For SDR 17, Add	*3.47*	
		For SDR 15.5, Add	*5.08*	
		For SDR 13.5, Add	*7.93*	
		For SDR 11, Add	*12.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0442	EA	6" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	104.11	20.88
		For SDR 26, Deduct	*-7.61*	
		For SDR 19, Add	*3.74*	
		For SDR 17, Add	*9.23*	
		For SDR 15.5, Add	*13.52*	
		For SDR 13.5, Add	*21.10*	
		For SDR 11, Add	*33.96*	
33 14 13 23-0443	EA	8" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	159.90	24.37
		For SDR 26, Deduct	*-15.92*	
		For SDR 19, Add	*7.81*	
		For SDR 17, Add	*19.29*	
		For SDR 15.5, Add	*28.25*	
		For SDR 13.5, Add	*44.10*	
		For SDR 11, Add	*70.98*	
33 14 13 23-0444	EA	10" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	242.32	32.54
		For SDR 26, Deduct	*-26.57*	
		For SDR 19, Add	*13.04*	
		For SDR 17, Add	*32.20*	
		For SDR 15.5, Add	*47.16*	
		For SDR 13.5, Add	*73.61*	
		For SDR 11, Add	*118.48*	
33 14 13 23-0445	EA	12" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	358.26	48.70
		For SDR 26, Deduct	*-38.90*	
		For SDR 19, Add	*19.10*	
		For SDR 17, Add	*47.16*	
		For SDR 15.5, Add	*69.06*	
		For SDR 13.5, Add	*107.79*	
		For SDR 11, Add	*173.50*	
33 14 13 23-0446	EA	14" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	447.87	64.99
		For SDR 26, Deduct	*-46.37*	
		For SDR 19, Add	*22.77*	
		For SDR 17, Add	*56.22*	
		For SDR 15.5, Add	*82.33*	
		For SDR 13.5, Add	*128.50*	
		For SDR 11, Add	*206.83*	
33 14 13 23-0447	EA	16" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	595.04	97.39
		For SDR 26, Deduct	*-55.53*	
		For SDR 19, Add	*27.27*	
		For SDR 17, Add	*67.32*	
		For SDR 15.5, Add	*98.59*	
		For SDR 13.5, Add	*153.88*	
		For SDR 11, Add	*247.68*	
33 14 13 23-0448	EA	18" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	740.99	109.56
		For SDR 26, Deduct	*-75.57*	
		For SDR 19, Add	*37.11*	
		For SDR 17, Add	*91.61*	
		For SDR 15.5, Add	*134.16*	
		For SDR 13.5, Add	*209.41*	
		For SDR 11, Add	*337.06*	
33 14 13 23-0449	EA	20" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	996.86	124.34
		For SDR 26, Deduct	*-113.65*	
		For SDR 19, Add	*55.80*	
		For SDR 17, Add	*137.76*	
		For SDR 15.5, Add	*201.75*	
		For SDR 13.5, Add	*314.90*	
		For SDR 11, Add	*506.85*	
33 14 13 23-0450	EA	24" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	1,265.94	146.15
		For SDR 26, Deduct	*-151.72*	
		For SDR 19, Add	*74.49*	
		For SDR 17, Add	*183.92*	
		For SDR 15.5, Add	*269.34*	
		For SDR 13.5, Add	*420.39*	
		For SDR 11, Add	*676.65*	

33 14 13 23-0451 Tees, High-Density Polyethylene (HDPE) Pressure Piping *(33 14 13 23-0426)*

33 14 13 23-0452	EA	3" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	68.63	17.20
		For SDR 26, Deduct	*-3.14*	
		For SDR 19, Add	*1.54*	
		For SDR 17, Add	*3.81*	
		For SDR 15.5, Add	*5.58*	
		For SDR 13.5, Add	*8.71*	
		For SDR 11, Add	*14.01*	
33 14 13 23-0453	EA	4" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	78.58	19.48
		For SDR 26, Deduct	*-3.70*	
		For SDR 19, Add	*1.82*	
		For SDR 17, Add	*4.48*	
		For SDR 15.5, Add	*6.57*	
		For SDR 13.5, Add	*10.25*	
		For SDR 11, Add	*16.50*	
33 14 13 23-0454	EA	6" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	120.13	22.49
		For SDR 26, Deduct	*-9.67*	
		For SDR 19, Add	*4.75*	
		For SDR 17, Add	*11.72*	
		For SDR 15.5, Add	*17.16*	
		For SDR 13.5, Add	*26.79*	
		For SDR 11, Add	*43.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0455	EA	8" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	213.46	26.57
		For SDR 26, Deduct	*-24.53*	
		For SDR 19, Add	*12.04*	
		For SDR 17, Add	*29.73*	
		For SDR 15.5, Add	*43.54*	
		For SDR 13.5, Add	*67.96*	
		For SDR 11, Add	*109.39*	
33 14 13 23-0456	EA	10" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	293.17	39.00
		For SDR 26, Deduct	*-32.31*	
		For SDR 19, Add	*15.87*	
		For SDR 17, Add	*39.17*	
		For SDR 15.5, Add	*57.36*	
		For SDR 13.5, Add	*89.54*	
		For SDR 11, Add	*144.12*	
33 14 13 23-0457	EA	12" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	416.04	58.51
		For SDR 26, Deduct	*-44.12*	
		For SDR 19, Add	*21.66*	
		For SDR 17, Add	*53.49*	
		For SDR 15.5, Add	*78.33*	
		For SDR 13.5, Add	*122.26*	
		For SDR 11, Add	*196.78*	
33 14 13 23-0458	EA	14" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	502.30	73.08
		For SDR 26, Deduct	*-51.91*	
		For SDR 19, Add	*25.49*	
		For SDR 17, Add	*62.92*	
		For SDR 15.5, Add	*92.15*	
		For SDR 13.5, Add	*143.83*	
		For SDR 11, Add	*231.51*	
33 14 13 23-0459	EA	16" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	665.12	109.56
		For SDR 26, Deduct	*-61.64*	
		For SDR 19, Add	*30.27*	
		For SDR 17, Add	*74.72*	
		For SDR 15.5, Add	*109.43*	
		For SDR 13.5, Add	*170.80*	
		For SDR 11, Add	*274.92*	
33 14 13 23-0460	EA	18" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	850.11	127.63
		For SDR 26, Deduct	*-85.65*	
		For SDR 19, Add	*42.05*	
		For SDR 17, Add	*103.83*	
		For SDR 15.5, Add	*152.05*	
		For SDR 13.5, Add	*237.33*	
		For SDR 11, Add	*381.99*	
33 14 13 23-0461	EA	20" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	1,177.70	150.75
		For SDR 26, Deduct	*-132.04*	
		For SDR 19, Add	*64.83*	
		For SDR 17, Add	*160.07*	
		For SDR 15.5, Add	*234.41*	
		For SDR 13.5, Add	*365.88*	
		For SDR 11, Add	*588.90*	
33 14 13 23-0462	EA	24" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	1,521.27	182.74
		For SDR 26, Deduct	*-178.44*	
		For SDR 19, Add	*87.61*	
		For SDR 17, Add	*216.31*	
		For SDR 15.5, Add	*316.77*	
		For SDR 13.5, Add	*494.43*	
		For SDR 11, Add	*795.82*	
33 14 13 23-0463		AWWA C909 Oriented Polyvinyl Chloride (PVCO) Pipe *(33 14 13 23)*		
		Note: Includes hub on one end of pipe.		
33 14 13 23-0464		AWWA C909, DR 18, PC 235 Oriented Polyvinyl Chloride (PVCO) Pipe *(33 14 13 23-0463)*		
33 14 13 23-0465	LF	6" AWWA C909, DR 18, PC 235 Oriented Polyvinyl Chloride (PVCO) Pipe	19.06	4.98
33 14 13 23-0466	LF	8" AWWA C909, DR 18, PC 235 Oriented Polyvinyl Chloride (PVCO) Pipe	26.79	5.60
33 14 13 23-0467	LF	10" AWWA C909, DR 18, PC 235 Oriented Polyvinyl Chloride (PVCO) Pipe	36.16	6.22
33 14 13 23-0468	LF	12" AWWA C909, DR 18, PC 235 Oriented Polyvinyl Chloride (PVCO) Pipe	47.40	6.97
33 14 13 23-0469		Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pipe And Fittings *(33 14 13 23)*		
33 14 13 23-0470		Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe *(33 14 13 23-0469)*		
33 14 13 23-0471	LF	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	58.56	3.37
33 14 13 23-0472	LF	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	83.48	3.62
33 14 13 23-0473	LF	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	112.82	4.21
33 14 13 23-0474	LF	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	153.70	5.39
33 14 13 23-0475	LF	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	175.85	6.57
33 14 13 23-0476		Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows *(33 14 13 23-0469)*		
33 14 13 23-0477	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	741.69	48.94
33 14 13 23-0478	EA	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	1,561.97	82.05
33 14 13 23-0479	EA	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	2,721.81	89.56
33 14 13 23-0480	EA	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	6,456.36	96.90
33 14 13 23-0481	EA	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	8,743.92	104.24

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0482		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows** *(33 14 13 23-0469)*		
33 14 13 23-0483	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	1,042.01	48.94
33 14 13 23-0484	EA	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	1,259.00	82.05
33 14 13 23-0485	EA	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	1,703.62	89.56
33 14 13 23-0486	EA	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	3,337.66	96.90
33 14 13 23-0487	EA	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	4,778.60	104.24
33 14 13 23-0488		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tees** *(33 14 13 23-0469)*		
33 14 13 23-0489	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	1,439.78	78.30
33 14 13 23-0490	EA	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	2,122.64	117.02
33 14 13 23-0491	EA	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	2,809.67	124.80
33 14 13 23-0492	EA	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	6,855.58	132.14
33 14 13 23-0493	EA	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	9,670.42	139.47
33 14 13 23-0494		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tees** *(33 14 13 23-0469)*		
33 14 13 23-0495	EA	8" x 8" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	1,415.29	74.38
33 14 13 23-0496	EA	10" x 10" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	1,540.30	105.60
33 14 13 23-0497	EA	10" x 10" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	1,758.28	111.17
33 14 13 23-0498	EA	12" x 12" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	1,996.27	106.99
33 14 13 23-0499	EA	12" x 12" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	2,216.94	112.63
33 14 13 23-0500	EA	12" x 12" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	2,530.03	118.55
33 14 13 23-0501	EA	14" x 14" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	4,930.20	107.63
33 14 13 23-0502	EA	14" x 14" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	5,311.97	113.30
33 14 13 23-0503	EA	14" x 14" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	5,798.59	119.25
33 14 13 23-0504	EA	14" x 14" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	6,360.87	125.53
33 14 13 23-0505	EA	16" x 16" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	5,990.25	107.92
33 14 13 23-0506	EA	16" x 16" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	6,678.63	113.60
33 14 13 23-0507	EA	16" x 16" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	7,220.64	119.58
33 14 13 23-0508	EA	16" x 16" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	8,056.52	125.87
33 14 13 23-0509	EA	16" x 16" x 14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	8,932.51	132.50
33 14 13 23-0510		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wyes** *(33 14 13 23-0469)*		
33 14 13 23-0511	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wye	1,454.17	78.30
33 14 13 23-0512	EA	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wye	2,454.35	117.02
33 14 13 23-0513	EA	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wye	3,323.10	124.80
33 14 13 23-0514	EA	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wye	10,799.16	132.14
33 14 13 23-0515	EA	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wye	13,479.96	139.47
33 14 13 23-0516		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wyes** *(33 14 13 23-0469)*		
33 14 13 23-0517	EA	8" x 8" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	1,265.68	74.38
33 14 13 23-0518	EA	10" x 10" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	1,762.04	105.60
33 14 13 23-0519	EA	10" x 10" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	2,041.95	111.17
33 14 13 23-0520	EA	12" x 12" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	2,353.38	106.99
33 14 13 23-0521	EA	12" x 12" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	2,483.24	112.63
33 14 13 23-0522	EA	12" x 12" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	3,007.06	118.55
33 14 13 23-0523	EA	14" x 14" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	5,198.67	107.63
33 14 13 23-0524	EA	14" x 14" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	5,615.78	113.30
33 14 13 23-0525	EA	14" x 14" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	6,810.09	125.53
33 14 13 23-0526	EA	16" x 16" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	6,216.18	107.92
33 14 13 23-0527	EA	16" x 16" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	7,188.66	113.60
33 14 13 23-0528	EA	16" x 16" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	8,058.80	119.58
33 14 13 23-0529	EA	16" x 16" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	8,730.60	125.87
33 14 13 23-0530	EA	16" x 16" x 14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	10,918.22	132.50
33 14 13 23-0531		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings** *(33 14 13 23-0469)*		
33 14 13 23-0532	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling	672.93	48.94
33 14 13 23-0533	EA	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling	911.14	82.05
33 14 13 23-0534	EA	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling	1,264.30	89.56
33 14 13 23-0535	EA	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling	2,519.23	96.90
33 14 13 23-0536	EA	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling	3,757.08	104.24
33 14 13 23-0537		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Couplings** *(33 14 13 23-0469)*		
33 14 13 23-0538	EA	8" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	917.46	46.49
33 14 13 23-0539	EA	10" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	673.54	44.16
33 14 13 23-0540	EA	10" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	932.75	77.95
33 14 13 23-0541	EA	12" x 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	1,812.96	74.05
33 14 13 23-0542	EA	12" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	1,689.82	70.35
33 14 13 23-0543	EA	12" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	1,325.63	66.83
33 14 13 23-0544	EA	12" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	830.48	85.07
33 14 13 23-0545	EA	14" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	2,433.96	80.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0546	EA	14" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	2,050.10	76.78
33 14 13 23-0547	EA	14" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	1,772.74	72.93
33 14 13 23-0548	EA	14" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	1,621.39	92.04
33 14 13 23-0549	EA	16" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	3,214.94	87.44
33 14 13 23-0550	EA	16" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	3,632.49	83.07
33 14 13 23-0551	EA	16" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	3,477.78	78.92
33 14 13 23-0552	EA	16" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	3,296.53	74.97
33 14 13 23-0553	EA	16" x 14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	3,009.86	99.03
33 14 13 23-0554		Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Couplings *(33 14 13 23-0469)*		
33 14 13 23-0555	EA	8" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	807.90	83.07
33 14 13 23-0556	EA	10" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	1,429.04	78.92
33 14 13 23-0557	EA	10" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	1,082.23	78.92
33 14 13 23-0558	EA	12" x 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	2,775.26	74.97
33 14 13 23-0559	EA	12" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	1,869.05	71.22
33 14 13 23-0560	EA	12" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	1,781.91	67.66
33 14 13 23-0561	EA	12" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	1,630.70	74.97
33 14 13 23-0562	EA	14" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	2,977.48	71.22
33 14 13 23-0563	EA	14" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	2,913.93	67.66
33 14 13 23-0564	EA	14" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	2,117.25	64.28
33 14 13 23-0565	EA	14" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	1,964.32	71.22
33 14 13 23-0566	EA	16" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	5,282.44	67.66
33 14 13 23-0567	EA	16" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	5,104.56	64.28
33 14 13 23-0568	EA	16" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	5,005.78	61.07
33 14 13 23-0569	EA	16" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	4,807.37	58.01
33 14 13 23-0570	EA	16" x 14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	4,524.63	94.07
33 14 13 23-0571		Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flanges *(33 14 13 23-0469)*		
33 14 13 23-0572	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flange	894.73	48.94
33 14 13 23-0573	EA	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flange	2,064.54	82.05
33 14 13 23-0574	EA	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flange	3,013.99	89.56
33 14 13 23-0575	EA	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flange	3,386.21	96.90
33 14 13 23-0576	EA	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flange	4,190.59	104.24
33 14 13 23-0577	EA	8" Ethylene Propylene Diene Monomer (EPDM) Flange Gasket	28.15	
33 14 13 23-0578	EA	10" Ethylene Propylene Diene Monomer (EPDM) Flange Gasket	36.68	
33 14 13 23-0579	EA	12" Ethylene Propylene Diene Monomer (EPDM) Flange Gasket	50.48	
33 14 13 23-0580	EA	14" Ethylene Propylene Diene Monomer (EPDM) Flange Gasket	107.98	
33 14 13 23-0581	EA	16" Ethylene Propylene Diene Monomer (EPDM) Flange Gasket	191.57	
33 14 13 23-0582	EA	Zinc Coated Flange Hardware Kit	179.88	
33 14 13 26		**Galvanized Steel Public Water Utility Distribution Piping** *(33 14 13)*		
		See CSI section 22 11 16 00-0013 for galvanized steel pipe.		
33 14 13 36		**Steel Public Water Utility Distribution Piping** *(33 14 13)*		
33 14 13 36-0001		Steel Piping *(33 14 13 36)*		
33 14 13 36-0002		Welded, Plain End, Uncoated Steel Piping *(33 14 13 36-0001)* Note: ASTM A252 steel pipe. See CSI section 33 14 13 43-0001 for pipe coatings, 33 14 13 43-0064 for pipe linings.		
33 14 13 36-0003		Up To 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Piping *(33 14 13 36-0002)*		
33 14 13 36-0004	LF	4" Diameter, 15/64" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	74.31	22.00
		For <100, Add	*8.79*	
		For >1,000, Deduct	*-3.72*	
33 14 13 36-0005	LF	6" Diameter, 9/32" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	109.82	29.25
		For <100, Add	*11.29*	
		For >1,000, Deduct	*-5.49*	
33 14 13 36-0006	LF	8" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	107.93	29.25
		For <100, Add	*12.05*	
		For >1,000, Deduct	*-5.40*	
33 14 13 36-0007	LF	8" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	128.18	29.25
		For <100, Add	*13.06*	
		For >1,000, Deduct	*-6.41*	
33 14 13 36-0008	LF	10" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	127.99	31.92
		For <100, Add	*13.65*	
		For >1,000, Deduct	*-6.40*	
33 14 13 36-0009	LF	10" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	153.59	31.92
		For <100, Add	*14.93*	
		For >1,000, Deduct	*-7.68*	
33 14 13 36-0010	LF	12" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	154.18	33.45
		For <100, Add	*15.31*	
		For >1,000, Deduct	*-7.71*	
33 14 13 36-0011	LF	12" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	174.09	33.45
		For <100, Add	*16.30*	
		For >1,000, Deduct	*-8.70*	
33 14 13 36-0012	LF	14" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	186.27	36.96
		For <100, Add	*17.71*	
		For >1,000, Deduct	*-9.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36-0013	LF	14" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	202.18	36.96
		For <100, Add	*18.51*	
		For >1,000, Deduct	*-10.11*	
33 14 13 36-0014	LF	16" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	197.67	39.02
		For <100, Add	*18.75*	
		For >1,000, Deduct	*-9.88*	
33 14 13 36-0015	LF	16" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	209.95	39.02
		For <100, Add	*19.36*	
		For >1,000, Deduct	*-10.50*	
33 14 13 36-0016	LF	18" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	244.31	43.89
		For <100, Add	*22.19*	
		For >1,000, Deduct	*-12.22*	
33 14 13 36-0017	LF	20" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	264.44	43.89
		For <100, Add	*23.20*	
		For >1,000, Deduct	*-13.22*	
33 14 13 36-0018		**5/16" To 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Piping** *(33 14 13 36-0002)*		
33 14 13 36-0019	LF	12" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	209.24	55.10
		For <100, Add	*19.12*	
		For >1,000, Deduct	*-10.46*	
33 14 13 36-0020	LF	14" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	248.08	60.61
		For <100, Add	*21.97*	
		For >1,000, Deduct	*-12.40*	
33 14 13 36-0021	LF	16" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	275.40	63.36
		For <100, Add	*23.87*	
		For >1,000, Deduct	*-13.77*	
33 14 13 36-0022	LF	18" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	310.67	71.62
		For <100, Add	*26.90*	
		For >1,000, Deduct	*-15.53*	
33 14 13 36-0023	LF	18" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	324.32	71.62
		For <100, Add	*27.58*	
		For >1,000, Deduct	*-16.22*	
33 14 13 36-0024	LF	20" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	336.95	71.62
		For <100, Add	*28.21*	
		For >1,000, Deduct	*-16.85*	
33 14 13 36-0025	LF	20" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	351.51	71.62
		For <100, Add	*28.94*	
		For >1,000, Deduct	*-17.58*	
33 14 13 36-0026	LF	24" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	407.38	82.64
		For <100, Add	*33.36*	
		For >1,000, Deduct	*-20.37*	
33 14 13 36-0027	LF	24" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	452.43	82.64
		For <100, Add	*35.61*	
		For >1,000, Deduct	*-22.62*	
33 14 13 36-0028	LF	24" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	563.00	82.64
		For <100, Add	*41.14*	
		For >1,000, Deduct	*-28.15*	
33 14 13 36-0029	LF	30" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	505.99	96.41
		For <100, Add	*40.45*	
		For >1,000, Deduct	*-25.30*	
33 14 13 36-0030	LF	30" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	524.42	96.41
		For <100, Add	*41.37*	
		For >1,000, Deduct	*-26.22*	
33 14 13 36-0031	LF	30" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	698.24	96.41
		For <100, Add	*50.06*	
		For >1,000, Deduct	*-34.91*	
33 14 13 36-0032	LF	36" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	601.55	96.41
		For <100, Add	*45.23*	
		For >1,000, Deduct	*-30.08*	
33 14 13 36-0033	LF	36" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	705.46	115.70
		For <100, Add	*53.45*	
		For >1,000, Deduct	*-35.27*	
33 14 13 36-0034	LF	36" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	840.27	115.70
		For <100, Add	*60.19*	
		For >1,000, Deduct	*-42.01*	
33 14 13 36-0035	LF	36" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	806.60	115.70
		For <100, Add	*58.51*	
		For >1,000, Deduct	*-40.33*	
33 14 13 36-0036	LF	42" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	1,232.44	129.47
		For <100, Add	*81.82*	
		For >1,000, Deduct	*-61.62*	
33 14 13 36-0037	LF	42" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	751.70	129.47
		For <100, Add	*57.79*	
		For >1,000, Deduct	*-37.59*	
33 14 13 36-0038	LF	48" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	1,413.09	146.00
		For <100, Add	*93.38*	
		For >1,000, Deduct	*-70.65*	
33 14 13 36-0039	LF	48" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	824.96	146.00
		For <100, Add	*63.97*	
		For >1,000, Deduct	*-41.25*	
33 14 13 36-0040	LF	54" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	1,481.38	165.29
		For <100, Add	*100.04*	
		For >1,000, Deduct	*-74.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36-0041	LF	54" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	1,634.95	165.29
		For <100, Add	*107.72*	
		For >1,000, Deduct	*-81.75*	
33 14 13 36-0042	LF	60" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	1,828.77	192.83
		For <100, Add	*121.74*	
		For >1,000, Deduct	*-91.44*	
33 14 13 36-0043	LF	66" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	1,282.73	192.83
		For <100, Add	*94.44*	
		For >1,000, Deduct	*-64.14*	
33 14 13 36-0044	LF	72" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	1,426.22	157.97
		For <100, Add	*118.70*	
		For >1,000, Deduct	*-71.31*	
33 14 13 36-0045	LF	78" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	2,659.36	157.97
		For <100, Add	*180.36*	
		For >1,000, Deduct	*-132.97*	

33 14 13 36-0046 5/8" To 3/4" Wall Thickness Welded, Plain End, Uncoated Steel Piping *(33 14 13 36-0002)*

33 14 13 36-0047	LF	42" Diameter, 5/8" Wall Thickness Welded Plain End Uncoated Steel Pipe	1,545.28	129.47
		For <100, Add	*97.46*	
		For >1,000, Deduct	*-77.26*	
33 14 13 36-0048	LF	48" Diameter, 5/8" Wall Thickness Welded Plain End Uncoated Steel Pipe	1,766.88	146.00
		For <100, Add	*111.07*	
		For >1,000, Deduct	*-88.34*	
33 14 13 36-0049	LF	54" Diameter, 5/8" Wall Thickness Welded Plain End Uncoated Steel Pipe	1,993.29	165.29
		For <100, Add	*125.64*	
		For >1,000, Deduct	*-99.66*	
33 14 13 36-0050	LF	60" Diameter, 5/8" Wall Thickness Welded Plain End Uncoated Steel Pipe	2,226.93	192.83
		For <100, Add	*141.65*	
		For >1,000, Deduct	*-111.35*	
33 14 13 36-0051	LF	60" Diameter, 3/4" Wall Thickness Welded Plain End Uncoated Steel Pipe	2,636.46	192.83
		For <100, Add	*162.13*	
		For >1,000, Deduct	*-131.82*	
33 14 13 36-0052	LF	66" Diameter, 5/8" Wall Thickness Welded Plain End Uncoated Steel Pipe	2,431.69	192.83
		For <100, Add	*151.89*	
		For >1,000, Deduct	*-121.58*	
33 14 13 36-0053	LF	66" Diameter, 3/4" Wall Thickness Welded Plain End Uncoated Steel Pipe	2,875.35	192.83
		For <100, Add	*174.07*	
		For >1,000, Deduct	*-143.77*	
33 14 13 36-0054	LF	72" Diameter, 5/8" Wall Thickness Welded Plain End Uncoated Steel Pipe	2,761.74	157.97
		For <100, Add	*185.48*	
		For >1,000, Deduct	*-138.09*	
33 14 13 36-0055	LF	72" Diameter, 3/4" Wall Thickness Welded Plain End Uncoated Steel Pipe	3,228.15	157.97
		For <100, Add	*208.80*	
		For >1,000, Deduct	*-161.41*	
33 14 13 36-0056	LF	78" Diameter, 5/8" Wall Thickness Welded Plain End Uncoated Steel Pipe	3,250.91	157.97
		For <100, Add	*209.94*	
		For >1,000, Deduct	*-162.55*	
33 14 13 36-0057	LF	78" Diameter, 3/4" Wall Thickness Welded Plain End Uncoated Steel Pipe	3,842.45	157.97
		For <100, Add	*239.51*	
		For >1,000, Deduct	*-192.12*	
33 14 13 36-0058	LF	84" Diameter, 5/8" Wall Thickness Welded Plain End Uncoated Steel Pipe	3,501.18	157.97
		For <100, Add	*222.45*	
		For >1,000, Deduct	*-175.06*	
33 14 13 36-0059	LF	84" Diameter, 3/4" Wall Thickness Welded Plain End Uncoated Steel Pipe	4,126.85	157.97
		For <100, Add	*253.73*	
		For >1,000, Deduct	*-206.34*	
33 14 13 36-0060	LF	90" Diameter, 5/8" Wall Thickness Welded Plain End Uncoated Steel Pipe	3,614.93	157.97
		For <100, Add	*228.14*	
		For >1,000, Deduct	*-180.75*	
33 14 13 36-0061	LF	90" Diameter, 3/4" Wall Thickness Welded Plain End Uncoated Steel Pipe	4,412.66	170.04
		For <100, Add	*271.65*	
		For >1,000, Deduct	*-220.63*	
33 14 13 36-0062	LF	96" Diameter, 5/8" Wall Thickness Welded Plain End Uncoated Steel Pipe	3,614.93	157.97
		For <100, Add	*228.14*	
		For >1,000, Deduct	*-180.75*	
33 14 13 36-0063	LF	96" Diameter, 3/4" Wall Thickness Welded Plain End Uncoated Steel Pipe	4,679.77	170.04
		For <100, Add	*285.00*	
		For >1,000, Deduct	*-233.99*	
33 14 13 36-0064	LF	102" Diameter, 3/4" Wall Thickness Welded Plain End Uncoated Steel Pipe	4,953.13	170.04
		For <100, Add	*298.67*	
		For >1,000, Deduct	*-247.66*	
33 14 13 36-0065	LF	108" Diameter, 3/4" Wall Thickness Welded Plain End Uncoated Steel Pipe	5,226.49	170.04
		For <100, Add	*312.34*	
		For >1,000, Deduct	*-261.32*	
33 14 13 36-0066	LF	114" Diameter, 3/4" Wall Thickness Welded Plain End Uncoated Steel Pipe	5,499.86	170.04
		For <100, Add	*326.01*	
		For >1,000, Deduct	*-274.99*	
33 14 13 36-0067	LF	120" Diameter, 3/4" Wall Thickness Welded Plain End Uncoated Steel Pipe	6,064.98	172.33
		For <100, Add	*398.03*	
		For >1,000, Deduct	*-303.25*	
33 14 13 36-0068	LF	126" Diameter, 3/4" Wall Thickness Welded Plain End Uncoated Steel Pipe	6,338.34	172.33
		For <100, Add	*411.70*	
		For >1,000, Deduct	*-316.92*	

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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36-0069		7/8" To 1-1/4" Wall Thickness Welded, Plain End, Uncoated Steel Piping *(33 14 13 36-0002)*		
33 14 13 36-0070	LF	72" Diameter, 7/8" Wall Thickness Welded Plain End Uncoated Steel Pipe	2,747.57	157.97
		For <100, Add	*184.77*	
		For >1,000, Deduct	*-137.38*	
33 14 13 36-0071	LF	78" Diameter, 7/8" Wall Thickness Welded Plain End Uncoated Steel Pipe	2,952.67	157.97
		For <100, Add	*195.02*	
		For >1,000, Deduct	*-147.63*	
33 14 13 36-0072	LF	84" Diameter, 7/8" Wall Thickness Welded Plain End Uncoated Steel Pipe	4,756.43	157.97
		For <100, Add	*285.21*	
		For >1,000, Deduct	*-237.82*	
33 14 13 36-0073	LF	84" Diameter, 1" Wall Thickness Welded Plain End Uncoated Steel Pipe	5,427.69	170.04
		For <100, Add	*322.40*	
		For >1,000, Deduct	*-271.38*	
33 14 13 36-0074	LF	90" Diameter, 7/8" Wall Thickness Welded Plain End Uncoated Steel Pipe	5,101.17	170.04
		For <100, Add	*306.07*	
		For >1,000, Deduct	*-255.06*	
33 14 13 36-0075	LF	90" Diameter, 1" Wall Thickness Welded Plain End Uncoated Steel Pipe	5,770.68	170.04
		For <100, Add	*339.55*	
		For >1,000, Deduct	*-288.53*	
33 14 13 36-0076	LF	96" Diameter, 7/8" Wall Thickness Welded Plain End Uncoated Steel Pipe	5,421.63	170.04
		For <100, Add	*322.10*	
		For >1,000, Deduct	*-271.08*	
33 14 13 36-0077	LF	96" Diameter, 1" Wall Thickness Welded Plain End Uncoated Steel Pipe	6,163.96	182.05
		For <100, Add	*362.81*	
		For >1,000, Deduct	*-308.20*	
33 14 13 36-0078	LF	102" Diameter, 7/8" Wall Thickness Welded Plain End Uncoated Steel Pipe	5,742.21	170.04
		For <100, Add	*338.13*	
		For >1,000, Deduct	*-287.11*	
33 14 13 36-0079	LF	102" Diameter, 1" Wall Thickness Welded Plain End Uncoated Steel Pipe	6,530.26	182.05
		For <100, Add	*381.13*	
		For >1,000, Deduct	*-326.51*	
33 14 13 36-0080	LF	102" Diameter, 1-1/8" Wall Thickness Welded Plain End Uncoated Steel Pipe	7,608.58	340.10
		For <100, Add	*482.46*	
		For >1,000, Deduct	*-380.43*	
33 14 13 36-0081	LF	108" Diameter, 7/8" Wall Thickness Welded Plain End Uncoated Steel Pipe	6,062.67	170.04
		For <100, Add	*354.15*	
		For >1,000, Deduct	*-303.13*	
33 14 13 36-0082	LF	108" Diameter, 1" Wall Thickness Welded Plain End Uncoated Steel Pipe	6,896.57	182.05
		For <100, Add	*399.44*	
		For >1,000, Deduct	*-344.83*	
33 14 13 36-0083	LF	108" Diameter, 1-1/8" Wall Thickness Welded Plain End Uncoated Steel Pipe	8,020.61	340.10
		For <100, Add	*503.06*	
		For >1,000, Deduct	*-401.03*	
33 14 13 36-0084	LF	114" Diameter, 7/8" Wall Thickness Welded Plain End Uncoated Steel Pipe	6,383.24	170.04
		For <100, Add	*370.18*	
		For >1,000, Deduct	*-319.16*	
33 14 13 36-0085	LF	114" Diameter, 1" Wall Thickness Welded Plain End Uncoated Steel Pipe	7,262.88	182.05
		For <100, Add	*417.76*	
		For >1,000, Deduct	*-363.14*	
33 14 13 36-0086	LF	114" Diameter, 1-1/8" Wall Thickness Welded Plain End Uncoated Steel Pipe	8,432.77	340.10
		For <100, Add	*523.67*	
		For >1,000, Deduct	*-421.64*	
33 14 13 36-0087	LF	120" Diameter, 7/8" Wall Thickness Welded Plain End Uncoated Steel Pipe	6,995.47	315.93
		For <100, Add	*444.55*	
		For >1,000, Deduct	*-349.77*	
33 14 13 36-0088	LF	120" Diameter, 1" Wall Thickness Welded Plain End Uncoated Steel Pipe	7,896.94	315.93
		For <100, Add	*489.63*	
		For >1,000, Deduct	*-394.85*	
33 14 13 36-0089	LF	120" Diameter, 1-1/8" Wall Thickness Welded Plain End Uncoated Steel Pipe	8,844.80	340.10
		For <100, Add	*544.27*	
		For >1,000, Deduct	*-442.24*	
33 14 13 36-0090	LF	126" Diameter, 7/8" Wall Thickness Welded Plain End Uncoated Steel Pipe	7,316.04	315.93
		For <100, Add	*460.58*	
		For >1,000, Deduct	*-365.80*	
33 14 13 36-0091	LF	126" Diameter, 1" Wall Thickness Welded Plain End Uncoated Steel Pipe	8,311.58	340.10
		For <100, Add	*517.61*	
		For >1,000, Deduct	*-415.58*	
33 14 13 36-0092	LF	126" Diameter, 1-1/8" Wall Thickness Welded Plain End Uncoated Steel Pipe	9,256.96	340.10
		For <100, Add	*564.88*	
		For >1,000, Deduct	*-462.85*	
33 14 13 36-0093	LF	132" Diameter, 7/8" Wall Thickness Welded Plain End Uncoated Steel Pipe	7,636.50	315.93
		For <100, Add	*476.60*	
		For >1,000, Deduct	*-381.83*	
33 14 13 36-0094	LF	132" Diameter, 1" Wall Thickness Welded Plain End Uncoated Steel Pipe	8,629.55	315.93
		For <100, Add	*526.26*	
		For >1,000, Deduct	*-431.48*	
33 14 13 36-0095	LF	132" Diameter, 1-1/8" Wall Thickness Welded Plain End Uncoated Steel Pipe	9,668.99	340.10
		For <100, Add	*585.48*	
		For >1,000, Deduct	*-483.45*	
33 14 13 36-0096	LF	132" Diameter, 1-1/4" Wall Thickness Welded Plain End Uncoated Steel Pipe	11,338.45	680.19
		For <100, Add	*770.98*	
		For >1,000, Deduct	*-566.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36-0097	LF	138" Diameter, 7/8" Wall Thickness Welded Plain End Uncoated Steel Pipe	7,957.08	315.93
		For <100, Add	*492.63*	
		For >1,000, Deduct	*-397.85*	
33 14 13 36-0098	LF	138" Diameter, 1" Wall Thickness Welded Plain End Uncoated Steel Pipe	8,995.86	315.93
		For <100, Add	*544.57*	
		For >1,000, Deduct	*-449.79*	
33 14 13 36-0099	LF	138" Diameter, 1-1/8" Wall Thickness Welded Plain End Uncoated Steel Pipe	10,081.15	340.10
		For <100, Add	*606.09*	
		For >1,000, Deduct	*-504.06*	
33 14 13 36-0100	LF	138" Diameter, 1-1/4" Wall Thickness Welded Plain End Uncoated Steel Pipe	11,796.34	680.19
		For <100, Add	*793.87*	
		For >1,000, Deduct	*-589.82*	
33 14 13 36-0101	LF	144" Diameter, 7/8" Wall Thickness Welded Plain End Uncoated Steel Pipe	8,277.54	315.93
		For <100, Add	*508.66*	
		For >1,000, Deduct	*-413.88*	
33 14 13 36-0102	LF	144" Diameter, 1" Wall Thickness Welded Plain End Uncoated Steel Pipe	9,362.17	315.93
		For <100, Add	*562.89*	
		For >1,000, Deduct	*-468.11*	
33 14 13 36-0103	LF	144" Diameter, 1-1/8" Wall Thickness Welded Plain End Uncoated Steel Pipe	10,493.18	340.10
		For <100, Add	*626.69*	
		For >1,000, Deduct	*-524.66*	
33 14 13 36-0104	LF	144" Diameter, 1-1/4" Wall Thickness Welded Plain End Uncoated Steel Pipe	12,254.22	680.19
		For <100, Add	*816.77*	
		For >1,000, Deduct	*-612.71*	

33 14 13 36-0105 Flexible Couplings (Dresser Style 38) *(33 14 13 36-0001)*

33 14 13 36-0106	EA	2" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe	158.04	28.02
		For 7" Length, Add	*10.41*	
33 14 13 36-0107	EA	3" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe	216.52	53.90
		For 7" Length, Add	*10.87*	
33 14 13 36-0108	EA	4" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe	287.98	71.15
		For 7" Length, Add	*14.43*	
33 14 13 36-0109	EA	6" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe	467.04	107.79
		For 7" Length, Add	*25.15*	
33 14 13 36-0110	EA	8" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe	618.64	135.81
		For 7" Length, Add	*34.92*	
33 14 13 36-0111	EA	10" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe	889.62	172.83
		For 7" Length, Add	*54.40*	
33 14 13 36-0112	EA	12" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe	1,046.18	216.62
		For 7" Length, Add	*61.41*	
33 14 13 36-0113	EA	14" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	1,128.27	230.44
		For 10" Length, Add	*40.04*	
33 14 13 36-0114	EA	16" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	1,189.06	247.72
		For 10" Length, Add	*41.72*	
33 14 13 36-0115	EA	18" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	1,307.98	265.01
		For 10" Length, Add	*46.68*	
33 14 13 36-0116	EA	20" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	1,427.56	299.58
		For 10" Length, Add	*51.09*	
33 14 13 36-0117	EA	24" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	1,843.52	316.86
		For 10" Length, Add	*72.59*	
33 14 13 36-0118	EA	30" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	2,241.11	345.66
		For 10" Length, Add	*92.99*	
33 14 13 36-0119	EA	36" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	2,643.00	388.87
		For 10" Length, Add	*111.92*	
33 14 13 36-0120	EA	42" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	3,066.32	437.84
		For 10" Length, Add	*132.13*	
33 14 13 36-0121	EA	48" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	3,565.63	504.09
		For 10" Length, Add	*153.45*	
33 14 13 36-0122	EA	54" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	3,939.38	576.10
		For 10" Length, Add	*167.23*	
33 14 13 36-0123	EA	60" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	4,484.71	720.13
		For 10" Length, Add	*182.67*	
33 14 13 36-0124	EA	66" Diameter x 10" Length, Dresser Coupling For Plain End Welded Steel Pipe	5,137.24	875.68
		For 12" Length, Add	*170.45*	
33 14 13 36-0125	EA	72" Diameter x 10" Length, Dresser Coupling For Plain End Welded Steel Pipe	6,116.90	1,036.99
		For 12" Length, Add	*202.15*	

33 14 13 36-0126 Welded, Plain End, Cement Mortar Lined And Coated *(33 14 13 36-0001)*

Note: Pipe manufacture shall be in accordance with AWWA C200, ANSI/ASTM A 139, API 5 L, or API 5 LX

33 14 13 36-0127	LF	4" Diameter, Schedule 10 (0.12" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated	70.38	22.00
33 14 13 36-0128	LF	4" Diameter, Schedule 40 (0.237" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated	89.80	22.00
33 14 13 36-0129	LF	6" Diameter, Schedule 10 (0.134" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated	92.60	29.25
33 14 13 36-0130	LF	6" Diameter, Schedule 40 (0.28" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated	128.92	29.25
33 14 13 36-0131	LF	8" Diameter, Schedule 20 (0.25" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated	151.96	29.25
33 14 13 36-0132	LF	8" Diameter, Schedule 40 (0.322" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated	173.76	29.25
33 14 13 36-0133	LF	10" Diameter, Schedule 10 (0.165" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated	155.77	31.92
33 14 13 36-0134	LF	10" Diameter, Schedule 20 (0.25" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated	181.37	31.92
33 14 13 36-0135	LF	10" Diameter, Schedule 40 (0.365" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated	187.96	31.92
33 14 13 36-0136	LF	12" Diameter, Schedule 10 (0.18" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated	186.43	33.45
33 14 13 36-0137	LF	12" Diameter, Schedule 20 (0.25" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated	206.34	33.45
33 14 13 36-0138	LF	12" Diameter, Standard Weight (0.375" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated	264.74	33.45
33 14 13 36-0139	LF	14" Diameter, Schedule 10 (0.25" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated	239.92	36.96

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36-0140	LF	14" Diameter, Schedule 20 (0.312" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated	278.03	36.96
33 14 13 36-0141	LF	14" Diameter, Standard Weight (0.375" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated	314.89	36.96
33 14 13 36-0142	LF	16" Diameter, Schedule 10 (0.25" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated	252.83	39.02
33 14 13 36-0143	LF	16" Diameter, Schedule 20 (0.312" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated	310.05	39.02
33 14 13 36-0144	LF	16" Diameter, Standard Weight (0.375" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated	351.66	39.02
33 14 13 36-0145	LF	18" Diameter, Schedule 10 (0.25" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated	292.68	43.89
33 14 13 36-0146	LF	18" Diameter, Schedule 20 (0.312" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated	349.78	43.89
33 14 13 36-0147	LF	18" Diameter, Standard Weight (0.375" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated	363.43	43.89
33 14 13 36-0148	LF	20" Diameter, Schedule 10 (0.25" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated	321.83	46.18
33 14 13 36-0149	LF	20" Diameter, Schedule 20 (0.312" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated	385.08	46.18
33 14 13 36-0150	LF	20" Diameter, Standard Weight (0.375" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated	385.08	46.18
33 14 13 36-0151	LF	24" Diameter, Schedule 10 (0.25" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated	460.26	49.45
33 14 13 36-0152	LF	24" Diameter, Standard Weight (0.375" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated	505.30	49.45
33 14 13 36-0153	LF	30" Diameter, Schedule 10 (0.312" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated	573.86	58.27
33 14 13 36-0154	LF	30" Diameter, Standard Weight (0.375" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated	592.29	58.27

33 14 13 36-0155 Welded, Bell and Spigot, Cement Mortar Lined And Coated *(33 14 13 36-0001)*

Note: Pipe manufacture shall be in accordance with AWWA C200, ANSI/ASTM A 139, API 5 L, or API 5 LX

33 14 13 36-0156	LF	4" Diameter, Schedule 10 (0.12" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated	70.90	22.00
33 14 13 36-0157	LF	4" Diameter, Schedule 40 (0.237" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated	90.81	22.00
33 14 13 36-0158	LF	6" Diameter, Schedule 10 (0.134" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated	93.45	29.25
33 14 13 36-0159	LF	6" Diameter, Schedule 40 (0.28" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated	130.68	29.25
33 14 13 36-0160	LF	8" Diameter, Schedule 10 (0.148" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated	133.30	29.25
33 14 13 36-0161	LF	8" Diameter, Schedule 20 (0.25" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated	154.05	29.25
33 14 13 36-0162	LF	8" Diameter, Schedule 40 (0.322" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated	175.43	29.25
33 14 13 36-0163	LF	10" Diameter, Schedule 10 (0.165" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated	156.07	31.92
33 14 13 36-0164	LF	10" Diameter, Schedule 20 (0.25" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated	183.77	31.92
33 14 13 36-0165	LF	10" Diameter, Schedule 40 (0.365" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated	190.08	31.92
33 14 13 36-0166	LF	12" Diameter, Schedule 10 (0.18" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated	189.02	33.45
33 14 13 36-0167	LF	12" Diameter, Schedule 20 (0.25" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated	209.42	33.45
33 14 13 36-0168	LF	12" Diameter, Standard Weight (0.375" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated	265.04	33.45
33 14 13 36-0169	LF	12" Diameter, Schdeule 40 (0.406" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated	280.10	33.45
33 14 13 36-0170	LF	14" Diameter, Schedule 10 (0.25" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated	227.27	36.96
33 14 13 36-0171	LF	14" Diameter, Schedule 20 (0.312" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated	282.64	36.96
33 14 13 36-0172	LF	14" Diameter, Standard Weight (0.375" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated	315.26	36.96
33 14 13 36-0173	LF	14" Diameter, Schedule 40 (0.438" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated	352.47	36.96
33 14 13 36-0174	LF	16" Diameter, Schedule 10 (0.25" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated	256.60	39.02
33 14 13 36-0175	LF	16" Diameter, Schedule 20 (0.312" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated	315.25	39.02
33 14 13 36-0176	LF	16" Diameter, Standard Weight (0.375" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated	352.08	39.02
33 14 13 36-0177	LF	16" Diameter, Schedule 40 (0.500" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated	435.44	39.02
33 14 13 36-0178	LF	18" Diameter, Schedule 10 (0.25" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated	297.12	43.89
33 14 13 36-0179	LF	18" Diameter, Schedule 20 (0.312" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated	355.66	43.89
33 14 13 36-0180	LF	18" Diameter, Standard Weight (0.375" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated	355.66	43.89
33 14 13 36-0181	LF	18" Diameter, Schedule 40 (0.562" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated	475.73	43.89
33 14 13 36-0182	LF	20" Diameter, Schedule 10 (0.25" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated	326.78	46.18
33 14 13 36-0183	LF	20" Diameter, Schedule 20 (0.312" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated	391.61	46.18
33 14 13 36-0184	LF	20" Diameter, Standard Weight (0.375" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated	406.54	46.18
33 14 13 36-0185	LF	20" Diameter, Schedule 40 (0.594" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated	571.60	46.18
33 14 13 36-0186	LF	24" Diameter, Schedule 10 (0.25" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated	468.28	49.45
33 14 13 36-0187	LF	24" Diameter, Standard Weight (0.375" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated	514.45	49.45
33 14 13 36-0188	LF	24" Diameter, Schedule 40 (0.687" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated	826.45	49.45
33 14 13 36-0189	LF	30" Diameter, Schedule 10 (0.312" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated	583.98	58.27
33 14 13 36-0190	LF	30" Diameter, Standard Weight (0.375" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated	602.87	58.27

33 14 13 36-0191 Plain End Steel Pipe Fittings, Standard Wall Thickness *(33 14 13 36-0001)*

See CSI section 33 14 13 36-0396 for flanged end fittings.

33 14 13 36-0192 90 Degree Elbows, Standard Wall Thickness, Steel *(33 14 13 36-0191)*

33 14 13 36-0193	EA	4" Diameter, 90 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	380.87	211.82
33 14 13 36-0194	EA	6" Diameter, 90 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	660.67	349.65
33 14 13 36-0195	EA	8" Diameter, 90 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	985.85	491.46
33 14 13 36-0196	EA	10" Diameter, 90 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	1,286.96	561.59
33 14 13 36-0197	EA	12" Diameter, 90 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	1,746.96	734.84
33 14 13 36-0198	EA	14" Diameter, 90 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	2,175.16	868.55
33 14 13 36-0199	EA	16" Diameter, 90 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	2,708.09	1,014.24
33 14 13 36-0200	EA	18" Diameter, 90 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	3,225.66	1,131.03
33 14 13 36-0201	EA	20" Diameter, 90 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	4,115.84	1,268.14
33 14 13 36-0202	EA	24" Diameter, 90 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	4,882.83	1,310.45

33 14 13 36-0203 45 Degree Elbows, Standard Wall Thickness, Steel *(33 14 13 36-0191)*

33 14 13 36-0204	EA	4" Diameter, 45 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	367.97	211.82
33 14 13 36-0205	EA	6" Diameter, 45 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	628.94	349.65

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36-0206	EA	8" Diameter, 45 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	926.97	491.46
33 14 13 36-0207	EA	10" Diameter, 45 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	1,178.87	561.59
33 14 13 36-0208	EA	12" Diameter, 45 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	1,590.23	734.84
33 14 13 36-0209	EA	14" Diameter, 45 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	1,963.02	868.55
33 14 13 36-0210	EA	16" Diameter, 45 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	2,417.72	1,014.24
33 14 13 36-0211	EA	18" Diameter, 45 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	2,851.94	1,131.03
33 14 13 36-0212	EA	20" Diameter, 45 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	3,566.55	1,268.14
33 14 13 36-0213	EA	24" Diameter, 45 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	4,164.97	1,310.45
33 14 13 36-0214		**22.5 Degree Elbows, Standard Wall Thickness, Steel** *(33 14 13 36-0191)*		
33 14 13 36-0215	EA	4" Diameter, 22.5 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	363.29	211.82
33 14 13 36-0216	EA	6" Diameter, 22.5 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	617.98	349.65
33 14 13 36-0217	EA	8" Diameter, 22.5 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	906.29	491.46
33 14 13 36-0218	EA	10" Diameter, 22.5 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	1,144.07	561.59
33 14 13 36-0219	EA	12" Diameter, 22.5 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	1,539.76	734.84
33 14 13 36-0220	EA	14" Diameter, 22.5 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	1,894.30	868.55
33 14 13 36-0221	EA	16" Diameter, 22.5 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	2,324.15	1,014.24
33 14 13 36-0222	EA	18" Diameter, 22.5 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	2,731.48	1,131.03
33 14 13 36-0223	EA	20" Diameter, 22.5 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	3,392.12	1,268.14
33 14 13 36-0224	EA	24" Diameter, 22.5 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	3,906.24	1,310.45
33 14 13 36-0225		**11.25 Degree Elbows, Standard Wall Thickness, Steel** *(33 14 13 36-0191)*		
33 14 13 36-0226	EA	4" Diameter, 11.25 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	365.38	211.82
33 14 13 36-0227	EA	6" Diameter, 11.25 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	623.13	349.65
33 14 13 36-0228	EA	8" Diameter, 11.25 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	915.85	491.46
33 14 13 36-0229	EA	10" Diameter, 11.25 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	1,161.62	561.59
33 14 13 36-0230	EA	12" Diameter, 11.25 Degree Elbow, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	1,565.21	734.84
33 14 13 36-0231		**Tees, Standard Wall Thickness, Steel** *(33 14 13 36-0191)*		
33 14 13 36-0232	EA	4"x4"x4" Tees, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	588.24	317.73
33 14 13 36-0233	EA	6"x6"x6" Tees, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	977.39	524.35
33 14 13 36-0234	EA	8"x8"x8" Tees, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	1,451.65	737.14
33 14 13 36-0235	EA	10"x10"x10" Tees, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	1,833.62	842.44
33 14 13 36-0236	EA	12"x12"x12" Tees, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	2,511.54	1,102.26
33 14 13 36-0237	EA	14"x14"x14" Tees, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	3,311.14	1,302.96
33 14 13 36-0238	EA	16"x16"x16" Tees, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	3,934.15	1,521.42
33 14 13 36-0239	EA	18"x18"x18" Tees, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	5,181.48	1,696.54
33 14 13 36-0240	EA	20"x20"x20" Tees, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	6,857.46	1,902.26
33 14 13 36-0241	EA	24"x24"x24" Tees, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	7,891.71	1,965.62
33 14 13 36-0242	EA	30"x30"x30" Tees, Standard Wall Thickness, Plain End, Cement Mortar Lined And Coated	11,098.72	2,314.42
33 14 13 36-0243		**Concentric Reducers, Standard Wall Thickness, Steel** *(33 14 13 36-0191)*		
33 14 13 36-0244	EA	6" x 4", Concentric Reducer, Steel, Standard Wall Thickness, Plain Ends, Class 150, Cement Mortar Lined And Coated	579.97	349.65
33 14 13 36-0245	EA	8" x 4", Concentric Reducer, Steel, Standard Wall Thickness, Plain Ends, Class 150, Cement Mortar Lined And Coated	829.13	491.46
33 14 13 36-0246	EA	8" x 6", Concentric Reducer, Steel, Standard Wall Thickness, Plain Ends, Class 150, Cement Mortar Lined And Coated	814.38	491.46
33 14 13 36-0247	EA	10" x 8", Concentric Reducer, Steel, Standard Wall Thickness, Plain Ends, Class 150, Cement Mortar Lined And Coated	980.69	561.59
33 14 13 36-0248	EA	12" x 4", Concentric Reducer, Steel, Standard Wall Thickness, Plain Ends, Class 150, Cement Mortar Lined And Coated	1,502.92	734.84
33 14 13 36-0249	EA	12" x 6", Concentric Reducer, Steel, Standard Wall Thickness, Plain Ends, Class 150, Cement Mortar Lined And Coated	1,306.67	734.84
33 14 13 36-0250	EA	12" x 8", Concentric Reducer, Steel, Standard Wall Thickness, Plain Ends, Class 150, Cement Mortar Lined And Coated	1,299.98	734.84
33 14 13 36-0251	EA	12" x 10", Concentric Reducer, Steel, Standard Wall Thickness, Plain Ends, Class 150, Cement Mortar Lined And Coated	1,281.49	734.84
33 14 13 36-0252		**Reducing Tees, Standard Wall Thickness, Steel** *(33 14 13 36-0191)*		
33 14 13 36-0253	EA	6"x6"x4", Reducing Tee, Steel, Standard Wall Thickness, Plain Ends, Class 150, Cement Mortar Lined And Coated	978.10	524.35
33 14 13 36-0254	EA	8"x8"x6", Reducing Tee, Steel, Standard Wall Thickness, Plain Ends, Class 150, Cement Mortar Lined And Coated	1,453.00	737.14
33 14 13 36-0255	EA	10"x10"x 8" Reducing Tees, Steel, Standard Wall Thickness, Plain Ends, Class 150, Cement Mortar Lined And Coated	1,835.90	842.44
33 14 13 36-0256	EA	12"x12"x6" Reducing Tees, Steel, Standard Wall Thickness, Plain Ends, Class 150, Cement Mortar Lined And Coated	2,515.00	1,102.26
33 14 13 36-0257		**Slip-on Flanges, Steel, Class 150** *(33 14 13 36-0191)*		
33 14 13 36-0258	EA	4" Slip-on Flange, Steel, Class 150	201.61	105.91
33 14 13 36-0259	EA	6" Slip-on Flange, Steel, Class 150	328.07	174.82
33 14 13 36-0260	EA	8" Slip-on Flange, Steel, Class 150	468.72	245.68
33 14 13 36-0261	EA	10" Slip-on Flange, Steel, Class 150	594.20	280.86
33 14 13 36-0262	EA	12" Slip-on Flange, Steel, Class 150	824.13	367.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36-0263	EA	14" Slip-on Flange, Steel, Class 150	1,050.48	434.28
33 14 13 36-0264	EA	16" Slip-on Flange, Steel, Class 150	1,297.97	507.18
33 14 13 36-0265	EA	18" Slip-on Flange, Steel, Class 150	1,450.56	565.46
33 14 13 36-0266	EA	20" Slip-on Flange, Steel, Class 150	1,635.83	634.13
33 14 13 36-0267	EA	24" Slip-on Flange, Steel, Class 150	1,752.19	655.16
33 14 13 36-0268	EA	30" Slip-on Flange, Steel, Class 150	2,311.46	771.47
33 14 13 36-0269		**Slip-on Flanges, Steel, Class 300** *(33 14 13 36-0191)*		
33 14 13 36-0270	EA	4" Slip-on Flange, Steel, Class 300	233.75	105.91
33 14 13 36-0271	EA	6" Slip-on Flange, Steel, Class 300	377.53	174.82
33 14 13 36-0272	EA	8" Slip-on Flange, Steel, Class 300	543.97	245.68
33 14 13 36-0273	EA	10" Slip-on Flange, Steel, Class 300	724.11	280.86
33 14 13 36-0274	EA	12" Slip-on Flange, Steel, Class 300	1,029.11	367.42
33 14 13 36-0275	EA	14" Slip-on Flange, Steel, Class 300	1,349.96	434.28
33 14 13 36-0276	EA	16" Slip-on Flange, Steel, Class 300	1,701.18	507.18
33 14 13 36-0277	EA	18" Slip-on Flange, Steel, Class 300	1,902.66	565.46
33 14 13 36-0278	EA	20" Slip-on Flange, Steel, Class 300	2,149.71	634.13
33 14 13 36-0279	EA	24" Slip-on Flange, Steel, Class 300	2,329.59	655.16
33 14 13 36-0280	EA	30" Slip-on Flange, Steel, Class 300	3,235.29	771.47
33 14 13 36-0281		**Blind Flanges, Steel, Class 150** *(33 14 13 36-0191)*		
33 14 13 36-0282	EA	4" Blind Flange, Steel, Class 150	209.30	105.91
33 14 13 36-0283	EA	6" Blind Flange, Steel, Class 150	338.73	174.82
33 14 13 36-0284	EA	8" Blind Flange, Steel, Class 150	489.90	245.68
33 14 13 36-0285	EA	10" Blind Flange, Steel, Class 150	658.27	280.86
33 14 13 36-0286	EA	12" Blind Flange, Steel, Class 150	886.69	367.42
33 14 13 36-0287	EA	14" Blind Flange, Steel, Class 150	1,342.70	434.28
33 14 13 36-0288	EA	16" Blind Flange, Steel, Class 150	1,489.25	507.18
33 14 13 36-0289	EA	18" Blind Flange, Steel, Class 150	1,639.44	565.46
33 14 13 36-0290	EA	20" Blind Flange, Steel, Class 150	2,034.60	634.13
33 14 13 36-0291	EA	24" Blind Flange, Steel, Class 150	2,534.19	655.16
33 14 13 36-0292	EA	30" Blind Flange, Steel, Class 150	3,577.57	771.47
33 14 13 36-0293		**Blind Flanges, Steel, Class 300** *(33 14 13 36-0191)*		
33 14 13 36-0294	EA	4" Blind Flange, Steel, Class 300	247.22	105.91
33 14 13 36-0295	EA	6" Blind Flange, Steel, Class 300	396.18	174.82
33 14 13 36-0296	EA	8" Blind Flange, Steel, Class 300	581.03	245.68
33 14 13 36-0297	EA	10" Blind Flange, Steel, Class 300	836.24	280.86
33 14 13 36-0298	EA	12" Blind Flange, Steel, Class 300	1,138.58	367.42
33 14 13 36-0299	EA	14" Blind Flange, Steel, Class 300	1,861.34	434.28
33 14 13 36-0300	EA	16" Blind Flange, Steel, Class 300	2,035.93	507.18
33 14 13 36-0301	EA	18" Blind Flange, Steel, Class 300	2,233.20	565.46
33 14 13 36-0302	EA	20" Blind Flange, Steel, Class 300	2,847.56	634.13
33 14 13 36-0303	EA	24" Blind Flange, Steel, Class 300	3,698.08	655.16
33 14 13 36-0304	EA	30" Blind Flange, Steel, Class 300	5,393.24	771.47
33 14 13 36-0305		**Screw Flanges, Steel, Class 150** *(33 14 13 36-0191)*		
33 14 13 36-0306	EA	4" Diameter, Screw Flange, Steel, Class 150	203.23	105.91
33 14 13 36-0307	EA	6" Diameter, Screw Flange, Steel, Class 150	330.56	174.82
33 14 13 36-0308	EA	8" Diameter, Screw Flange, Steel, Class 150	475.56	245.68
33 14 13 36-0309	EA	10" Diameter, Screw Flange, Steel, Class 150	577.58	280.86
33 14 13 36-0310	EA	12" Diameter, Screw Flange, Steel, Class 150	779.17	367.42
33 14 13 36-0311		**Screw Flanges, Steel, Class 300** *(33 14 13 36-0191)*		
33 14 13 36-0312	EA	4" Diameter, Screw Flange, Steel, Class 300	240.79	105.91
33 14 13 36-0313	EA	6" Diameter, Screw Flange, Steel, Class 300	388.35	174.82
33 14 13 36-0314	EA	8" Diameter, Screw Flange, Steel, Class 300	566.06	245.68
33 14 13 36-0315	EA	10" Diameter, Screw Flange, Steel, Class 300	709.82	280.86
33 14 13 36-0316	EA	12" Diameter, Screw Flange, Steel, Class 300	971.98	367.42
33 14 13 36-0317		**Steel Flange Gaskets** *(33 14 13 36-0191)*		
33 14 13 36-0318		**1/16" Thick Cloth-Inserted Rubber Flange Gasket, Class 150 (Tripac)** *(33 14 13 36-0317)*		
		Note: Labor installation is included with pipe fittings or valves.		
33 14 13 36-0319	EA	4" Cloth-Inserted Rubber Flange Gasket, 1/16" Thick, Class 150 (Tripac)	2.85	
33 14 13 36-0320	EA	6" Cloth-Inserted Rubber Flange Gasket, 1/16" Thick, Class 150 (Tripac)	4.48	
33 14 13 36-0321	EA	8" Cloth-Inserted Rubber Flange Gasket, 1/16" Thick, Class 150 (Tripac)	5.98	
33 14 13 36-0322	EA	10" Cloth-Inserted Rubber Flange Gasket, 1/16" Thick, Class 150 (Tripac)	9.22	
33 14 13 36-0323	EA	12" Cloth-Inserted Rubber Flange Gasket, 1/16" Thick, Class 150 (Tripac)	12.05	
33 14 13 36-0324	EA	14" Cloth-Inserted Rubber Flange Gasket, 1/16" Thick, Class 150 (Tripac)	13.82	
33 14 13 36-0325	EA	16" Cloth-Inserted Rubber Flange Gasket, 1/16" Thick, Class 150 (Tripac)	17.21	
33 14 13 36-0326	EA	18" Cloth-Inserted Rubber Flange Gasket, 1/16" Thick, Class 150 (Tripac)	19.56	
33 14 13 36-0327	EA	20" Cloth-Inserted Rubber Flange Gasket, 1/16" Thick, Class 150 (Tripac)	25.27	
33 14 13 36-0328	EA	24" Cloth-Inserted Rubber Flange Gasket, 1/16" Thick, Class 150 (Tripac)	31.03	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36-0329	EA	30" Cloth-Inserted Rubber Flange Gasket, 1/16" Thick, Class 150 (Tripac)	47.11	

33 14 13 36-0330 1/8" Thick Cloth-Inserted Rubber Flange Gasket, Class 250 (Tripac) *(33 14 13 36-0317)*

Note: Labor installation is included with pipe fittings or valves.

33 14 13 36-0331	EA	4" Cloth-Inserted Rubber Flange Gasket, 1/8" Thick, Class 250 (Tripac)	8.74	
33 14 13 36-0332	EA	6" Cloth-Inserted Rubber Flange Gasket, 1/8" Thick, Class 250 (Tripac)	16.34	
33 14 13 36-0333	EA	8" Cloth-Inserted Rubber Flange Gasket, 1/8" Thick, Class 250 (Tripac)	23.16	
33 14 13 36-0334	EA	10" Cloth-Inserted Rubber Flange Gasket, 1/8" Thick, Class 250 (Tripac)	29.47	
33 14 13 36-0335	EA	12" Cloth-Inserted Rubber Flange Gasket, 1/8" Thick, Class 250 (Tripac)	35.66	
33 14 13 36-0336	EA	14" Cloth-Inserted Rubber Flange Gasket, 1/8" Thick, Class 250 (Tripac)	44.31	
33 14 13 36-0337	EA	16" Cloth-Inserted Rubber Flange Gasket, 1/8" Thick, Class 250 (Tripac)	52.63	
33 14 13 36-0338	EA	18" Cloth-Inserted Rubber Flange Gasket, 1/8" Thick, Class 250 (Tripac)	72.58	
33 14 13 36-0339	EA	20" Cloth-Inserted Rubber Flange Gasket, 1/8" Thick, Class 250 (Tripac)	81.62	
33 14 13 36-0340	EA	24" Cloth-Inserted Rubber Flange Gasket, 1/8" Thick, Class 250 (Tripac)	113.44	
33 14 13 36-0341	EA	30" Cloth-Inserted Rubber Flange Gasket, 1/8" Thick, Class 250 (Tripac)	200.29	

33 14 13 36-0342 1/8" Thick Insulating Gasket Type E (PSI) *(33 14 13 36-0317)*

Note: Labor installation is included with pipe fittings or valves.

33 14 13 36-0343	EA	1" Insulating Gasket Type E, 1/8" Thick (PSI)	4.70	
33 14 13 36-0344	EA	1-1/4" Insulating Gasket Type E, 1/8" Thick (PSI)	5.21	
33 14 13 36-0345	EA	1-1/2" Insulating Gasket Type E, 1/8" Thick (PSI)	5.82	
33 14 13 36-0346	EA	2" Insulating Gasket Type E, 1/8" Thick (PSI)	9.69	
33 14 13 36-0347	EA	2-1/2" Insulating Gasket Type E, 1/8" Thick (PSI)	9.69	
33 14 13 36-0348	EA	3" Insulating Gasket Type E, 1/8" Thick (PSI)	9.97	
33 14 13 36-0349	EA	4" Insulating Gasket Type E, 1/8" Thick (PSI)	12.88	
33 14 13 36-0350	EA	6" Insulating Gasket Type E, 1/8" Thick (PSI)	16.92	
33 14 13 36-0351	EA	8" Insulating Gasket Type E, 1/8" Thick (PSI)	23.93	
33 14 13 36-0352	EA	10" Insulating Gasket Type E, 1/8" Thick (PSI)	31.53	
33 14 13 36-0353	EA	12" Insulating Gasket Type E, 1/8" Thick (PSI)	43.46	

33 14 13 36-0354 Steel Flange Bolt Packs *(33 14 13 36-0191)*

33 14 13 36-0355 Class 150, Steel Flange Bolt Packs *(33 14 13 36-0354)*

Note: Includes plain finish A307B bolts, A563 heavy hex nut and two structural washers. Labor installation is included with pipe fittings or valves.

33 14 13 36-0356	EA	1" Pipe Diameter, Class 150, Steel Flange Bolt Pack	13.02	
		For Zinc Plated, Add	*3.65*	
		For Hot Dip Galvanized, Add	*5.21*	
		For Advanced Fluoropolymer (Blue Coating), Add	*9.11*	
33 14 13 36-0357	EA	1-1/4" Pipe Diameter, Class 150, Steel Flange Bolt Pack	14.61	
		For Zinc Plated, Add	*4.09*	
		For Hot Dip Galvanized, Add	*5.84*	
		For Advanced Fluoropolymer (Blue Coating), Add	*10.23*	
33 14 13 36-0358	EA	1-1/2" Pipe Diameter, Class 150, Steel Flange Bolt Pack	14.61	
		For Zinc Plated, Add	*4.09*	
		For Hot Dip Galvanized, Add	*5.84*	
		For Advanced Fluoropolymer (Blue Coating), Add	*10.23*	
33 14 13 36-0359	EA	2" Pipe Diameter, Class 150, Steel Flange Bolt Pack	18.83	
		For Zinc Plated, Add	*5.27*	
		For Hot Dip Galvanized, Add	*7.53*	
		For Advanced Fluoropolymer (Blue Coating), Add	*13.18*	
33 14 13 36-0360	EA	2-1/2" Pipe Diameter, Class 150, Steel Flange Bolt Pack	18.95	
		For Zinc Plated, Add	*5.31*	
		For Hot Dip Galvanized, Add	*7.58*	
		For Advanced Fluoropolymer (Blue Coating), Add	*13.27*	
33 14 13 36-0361	EA	3" Pipe Diameter, Class 150, Steel Flange Bolt Pack	18.95	
		For Zinc Plated, Add	*5.31*	
		For Hot Dip Galvanized, Add	*7.58*	
		For Advanced Fluoropolymer (Blue Coating), Add	*13.27*	
33 14 13 36-0362	EA	4" Pipe Diameter, Class 150, Steel Flange Bolt Pack	44.25	
		For Zinc Plated, Add	*12.39*	
		For Hot Dip Galvanized, Add	*17.70*	
		For Advanced Fluoropolymer (Blue Coating), Add	*30.98*	
33 14 13 36-0363	EA	5" Pipe Diameter, Class 150, Steel Flange Bolt Pack	63.39	
		For Zinc Plated, Add	*17.75*	
		For Hot Dip Galvanized, Add	*25.36*	
		For Advanced Fluoropolymer (Blue Coating), Add	*44.37*	
33 14 13 36-0364	EA	6" Pipe Diameter, Class 150, Steel Flange Bolt Pack	68.27	
		For Zinc Plated, Add	*19.12*	
		For Hot Dip Galvanized, Add	*27.31*	
		For Advanced Fluoropolymer (Blue Coating), Add	*47.79*	
33 14 13 36-0365	EA	8" Pipe Diameter, Class 150, Steel Flange Bolt Pack	74.13	
		For Zinc Plated, Add	*20.76*	
		For Hot Dip Galvanized, Add	*29.65*	
		For Advanced Fluoropolymer (Blue Coating), Add	*51.89*	
33 14 13 36-0366	EA	10" Pipe Diameter, Class 150, Steel Flange Bolt Pack	166.52	
		For Zinc Plated, Add	*46.63*	
		For Hot Dip Galvanized, Add	*66.61*	
		For Advanced Fluoropolymer (Blue Coating), Add	*116.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36-0367	EA	12" Pipe Diameter, Class 150, Steel Flange Bolt Pack	167.98	
		For Zinc Plated, Add	*47.03*	
		For Hot Dip Galvanized, Add	*67.19*	
		For Advanced Fluoropolymer (Blue Coating), Add	*117.59*	
33 14 13 36-0368	EA	14" Pipe Diameter, Class 150, Steel Flange Bolt Pack	188.20	
		For Zinc Plated, Add	*52.70*	
		For Hot Dip Galvanized, Add	*75.28*	
		For Advanced Fluoropolymer (Blue Coating), Add	*131.74*	
33 14 13 36-0369	EA	16" Pipe Diameter, Class 150, Steel Flange Bolt Pack	316.39	
		For Zinc Plated, Add	*88.59*	
		For Hot Dip Galvanized, Add	*126.56*	
		For Advanced Fluoropolymer (Blue Coating), Add	*221.47*	
33 14 13 36-0370	EA	18" Pipe Diameter, Class 150, Steel Flange Bolt Pack	459.63	
		For Zinc Plated, Add	*128.70*	
		For Hot Dip Galvanized, Add	*183.85*	
		For Advanced Fluoropolymer (Blue Coating), Add	*321.74*	
33 14 13 36-0371	EA	20" Pipe Diameter, Class 150, Steel Flange Bolt Pack	580.34	
		For Zinc Plated, Add	*162.50*	
		For Hot Dip Galvanized, Add	*232.14*	
		For Advanced Fluoropolymer (Blue Coating), Add	*406.24*	
33 14 13 36-0372	EA	22" Pipe Diameter, Class 150, Steel Flange Bolt Pack	830.36	
		For Zinc Plated, Add	*232.50*	
		For Hot Dip Galvanized, Add	*332.14*	
		For Advanced Fluoropolymer (Blue Coating), Add	*581.25*	
33 14 13 36-0373	EA	24" Pipe Diameter, Class 150, Steel Flange Bolt Pack	830.36	
		For Zinc Plated, Add	*232.50*	
		For Hot Dip Galvanized, Add	*332.14*	
		For Advanced Fluoropolymer (Blue Coating), Add	*581.25*	
33 14 13 36-0374	EA	30" Pipe Diameter, Class 150, Steel Flange Bolt Pack	1,312.09	
		For Zinc Plated, Add	*367.39*	
		For Hot Dip Galvanized, Add	*524.84*	
		For Advanced Fluoropolymer (Blue Coating), Add	*918.46*	
33 14 13 36-0375	EA	36" Pipe Diameter, Class 150 Steel Flange, Bolt Set Note: Includes thirty-two (32) 1-1/2" diameter plain finish bolts with washers and nut.	1,871.73	
		For Zinc Plated, Add	*524.08*	
		For Hot Dip Galvanized, Add	*748.69*	
		For Advanced Fluoropolymer (Blue Coating), Add	*1,310.21*	

33 14 13 36-0376 Class 300, Steel Flange Bolt Packs *(33 14 13 36-0354)*

Note: Includes plain finish A307B bolts, A563 heavy hex nut and two structural washers. Labor installation is included with pipe fittings or valves.

33 14 13 36-0377	EA	1" Pipe Diameter, Class 300, Steel Flange Bolt Pack	18.95	
		For Zinc Plated, Add	*5.31*	
		For Hot Dip Galvanized, Add	*7.58*	
		For Advanced Fluoropolymer (Blue Coating), Add	*13.27*	
33 14 13 36-0378	EA	1-1/4" Pipe Diameter, Class 300, Steel Flange Bolt Pack	18.95	
		For Zinc Plated, Add	*5.31*	
		For Hot Dip Galvanized, Add	*7.58*	
		For Advanced Fluoropolymer (Blue Coating), Add	*13.27*	
33 14 13 36-0379	EA	1-1/2" Pipe Diameter, Class 300, Steel Flange Bolt Pack	21.21	
		For Zinc Plated, Add	*5.94*	
		For Hot Dip Galvanized, Add	*8.48*	
		For Advanced Fluoropolymer (Blue Coating), Add	*14.85*	
33 14 13 36-0380	EA	2" Pipe Diameter, Class 300, Steel Flange Bolt Pack	42.41	
		For Zinc Plated, Add	*11.87*	
		For Hot Dip Galvanized, Add	*16.96*	
		For Advanced Fluoropolymer (Blue Coating), Add	*29.69*	
33 14 13 36-0381	EA	2-1/2" Pipe Diameter, Class 300, Steel Flange Bolt Pack	68.27	
		For Zinc Plated, Add	*19.12*	
		For Hot Dip Galvanized, Add	*27.31*	
		For Advanced Fluoropolymer (Blue Coating), Add	*47.79*	
33 14 13 36-0382	EA	3" Pipe Diameter, Class 300, Steel Flange Bolt Pack	74.13	
		For Zinc Plated, Add	*20.76*	
		For Hot Dip Galvanized, Add	*29.65*	
		For Advanced Fluoropolymer (Blue Coating), Add	*51.89*	
33 14 13 36-0383	EA	3-1/2" Pipe Diameter, Class 300, Steel Flange Bolt Pack	74.13	
		For Zinc Plated, Add	*20.76*	
		For Hot Dip Galvanized, Add	*29.65*	
		For Advanced Fluoropolymer (Blue Coating), Add	*51.89*	
33 14 13 36-0384	EA	4" Pipe Diameter, Class 300, Steel Flange Bolt Pack	75.48	
		For Zinc Plated, Add	*21.13*	
		For Hot Dip Galvanized, Add	*30.19*	
		For Advanced Fluoropolymer (Blue Coating), Add	*52.84*	
33 14 13 36-0385	EA	5" Pipe Diameter, Class 300, Steel Flange Bolt Pack	76.70	
		For Zinc Plated, Add	*21.48*	
		For Hot Dip Galvanized, Add	*30.68*	
		For Advanced Fluoropolymer (Blue Coating), Add	*53.69*	
33 14 13 36-0386	EA	6" Pipe Diameter, Class 300, Steel Flange Bolt Pack	115.05	
		For Zinc Plated, Add	*32.21*	
		For Hot Dip Galvanized, Add	*46.02*	
		For Advanced Fluoropolymer (Blue Coating), Add	*80.54*	
33 14 13 36-0387	EA	8" Pipe Diameter, Class 300, Steel Flange Bolt Pack	179.89	
		For Zinc Plated, Add	*50.37*	
		For Hot Dip Galvanized, Add	*71.96*	
		For Advanced Fluoropolymer (Blue Coating), Add	*125.92*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36-0388		EA	10" Pipe Diameter, Class 300, Steel Flange Bolt Pack	337.39	
			For Zinc Plated, Add	*94.47*	
			For Hot Dip Galvanized, Add	*134.96*	
			For Advanced Fluoropolymer (Blue Coating), Add	*236.17*	
33 14 13 36-0389		EA	12" Pipe Diameter, Class 300, Steel Flange Bolt Pack	491.13	
			For Zinc Plated, Add	*137.52*	
			For Hot Dip Galvanized, Add	*196.45*	
			For Advanced Fluoropolymer (Blue Coating), Add	*343.79*	
33 14 13 36-0390		EA	14" Pipe Diameter, Class 300, Steel Flange Bolt Pack	674.97	
			For Zinc Plated, Add	*188.99*	
			For Hot Dip Galvanized, Add	*269.99*	
			For Advanced Fluoropolymer (Blue Coating), Add	*472.48*	
33 14 13 36-0391		EA	16" Pipe Diameter, Class 300, Steel Flange Bolt Pack	937.21	
			For Zinc Plated, Add	*262.42*	
			For Hot Dip Galvanized, Add	*374.88*	
			For Advanced Fluoropolymer (Blue Coating), Add	*656.05*	
33 14 13 36-0392		EA	18" Pipe Diameter, Class 300, Steel Flange Bolt Pack	1,200.48	
			For Zinc Plated, Add	*336.13*	
			For Hot Dip Galvanized, Add	*480.19*	
			For Advanced Fluoropolymer (Blue Coating), Add	*840.34*	
33 14 13 36-0393		EA	20" Pipe Diameter, Class 300, Steel Flange Bolt Pack	1,271.19	
			For Zinc Plated, Add	*355.93*	
			For Hot Dip Galvanized, Add	*508.48*	
			For Advanced Fluoropolymer (Blue Coating), Add	*889.83*	
33 14 13 36-0394		EA	24" Pipe Diameter, Class 300, Steel Flange Bolt Pack	1,605.28	
			For Zinc Plated, Add	*449.48*	
			For Hot Dip Galvanized, Add	*642.11*	
			For Advanced Fluoropolymer (Blue Coating), Add	*1,123.70*	
33 14 13 36-0395		EA	30" Pipe Diameter, Class 300, Steel Flange Bolt Pack	2,507.08	
			For Zinc Plated, Add	*701.98*	
			For Hot Dip Galvanized, Add	*1,002.83*	
			For Advanced Fluoropolymer (Blue Coating), Add	*1,754.96*	

33 14 13 36-0396 Flanged Steel Pipe Fittings, Standard Wall Thickness *(33 14 13 36-0001)*

See CSI section 33 14 13 36-0355 for bolt pack.

33 14 13 36-0397 Flanged 90 Degree Elbows, Standard Wall Thickness, Steel *(33 14 13 36-0396)*

33 14 13 36-0398		EA	4" Diameter, 90 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	479.71	211.82
			For Class 300, Add	*120.76*	
33 14 13 36-0399		EA	6" Diameter, 90 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	812.76	349.65
			For Class 300, Add	*215.05*	
33 14 13 36-0400		EA	8" Diameter, 90 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,224.02	491.46
			For Class 300, Add	*362.99*	
33 14 13 36-0401		EA	10" Diameter, 90 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,634.96	561.59
			For Class 300, Add	*590.79*	
33 14 13 36-0402		EA	12" Diameter, 90 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	2,254.38	734.84
			For Class 300, Add	*858.78*	

33 14 13 36-0403 Flanged 45 Degree Elbows, Standard Wall Thickness, Steel *(33 14 13 36-0396)*

33 14 13 36-0404		EA	4" Diameter, 45 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	466.81	211.82
			For Class 300, Add	*111.15*	
33 14 13 36-0405		EA	6" Diameter, 45 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	781.03	349.65
			For Class 300, Add	*191.41*	
33 14 13 36-0406		EA	8" Diameter, 45 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,210.08	491.46
			For Class 300, Add	*352.61*	
33 14 13 36-0407		EA	10" Diameter, 45 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,526.87	561.59
			For Class 300, Add	*510.26*	
33 14 13 36-0408		EA	12" Diameter, 45 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	2,097.65	734.84
			For Class 300, Add	*742.01*	

33 14 13 36-0409 Flanged 22.5 Degree Elbows, Standard Wall Thickness, Steel *(33 14 13 36-0396)*

33 14 13 36-0410		EA	4" Diameter, 22.5 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	462.13	211.82
			For Class 300, Add	*107.67*	
33 14 13 36-0411		EA	6" Diameter, 22.5 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	770.07	349.65
			For Class 300, Add	*183.25*	
33 14 13 36-0412		EA	8" Diameter, 22.5 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,144.46	491.46
			For Class 300, Add	*303.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36-0413	EA	10" Diameter, 22.5 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,492.07	561.59
		For Class 300, Add	*484.33*	
33 14 13 36-0414	EA	12" Diameter, 22.5 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	2,047.18	734.84
		For Class 300, Add	*704.41*	

33 14 13 36-0415 Flanged 11.25 Degree Elbows, Standard Wall Thickness, Steel *(33 14 13 36-0396)*

33 14 13 36-0416	EA	4" Diameter, 11.25 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	464.23	211.82
		For Class 300, Add	*109.23*	
33 14 13 36-0417	EA	6" Diameter, 11.25 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	775.22	349.65
		For Class 300, Add	*187.08*	
33 14 13 36-0418	EA	8" Diameter, 11.25 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,154.02	491.46
		For Class 300, Add	*310.84*	
33 14 13 36-0419	EA	10" Diameter, 11.25 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,509.62	561.59
		For Class 300, Add	*497.41*	
33 14 13 36-0420	EA	12" Diameter, 11.25 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	2,072.62	734.84
		For Class 300, Add	*723.37*	

33 14 13 36-0421 Flanged Tees, Standard Wall Thickness, Steel *(33 14 13 36-0396)*

33 14 13 36-0422	EA	4"x4"x4", Tee, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	736.51	317.73
		For Class 300, Add	*193.81*	
33 14 13 36-0423	EA	6"x6"x6", Tee, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,205.52	524.35
		For Class 300, Add	*312.38*	
33 14 13 36-0424	EA	8"x8"x8", Tee, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,808.91	737.14
		For Class 300, Add	*524.29*	
33 14 13 36-0425	EA	10"x10"x10" Tees, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	2,355.62	842.44
		For Class 300, Add	*814.05*	
33 14 13 36-0426	EA	12"x12"x12" Tees, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	3,272.66	1,102.26
		For Class 300, Add	*1,207.03*	

33 14 13 36-0427 Flanged Reducing Tees, Standard Wall Thickness, Steel *(33 14 13 36-0396)*

33 14 13 36-0428	EA	6"x6"x4", Reducing Tee, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,179.61	524.35
		For Class 300, Add	*293.08*	
33 14 13 36-0429	EA	8"x8"x6", Reducing Tee, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,767.22	737.14
		For Class 300, Add	*493.23*	
33 14 13 36-0430	EA	10"x10"x 8" Reducing Tees, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	2,302.99	842.44
		For Class 300, Add	*774.84*	
33 14 13 36-0431	EA	12"x12"x6" Reducing Tees, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	3,098.46	1,102.26
		For Class 300, Add	*1,077.26*	

33 14 13 36-0432 Flanged Eccentric Reducers, Standard Wall Thickness, Steel *(33 14 13 36-0396)*

33 14 13 36-0433	EA	6" x 4", Eccentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	727.73	349.65
		For Class 300, Add	*151.70*	
33 14 13 36-0434	EA	8" x 4", Eccentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,074.81	491.46
		For Class 300, Add	*251.83*	
33 14 13 36-0435	EA	8" x 6", Eccentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,036.50	491.46
		For Class 300, Add	*223.29*	
33 14 13 36-0436	EA	10" x 8", Eccentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,276.65	561.59
		For Class 300, Add	*323.84*	
33 14 13 36-0437	EA	12" x 4", Eccentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,618.91	734.84
		For Class 300, Add	*385.35*	
33 14 13 36-0438	EA	12" x 6", Eccentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,893.47	734.84
		For Class 300, Add	*589.90*	
33 14 13 36-0439	EA	12" x 8", Eccentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,782.36	734.84
		For Class 300, Add	*507.12*	
33 14 13 36-0440	EA	12" x 10", Eccentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,746.07	734.84
		For Class 300, Add	*480.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36-0441		**Flanged Concentric Reducers, Standard Wall Thickness, Steel** *(33 14 13 36-0396)*		
33 14 13 36-0442	EA	6" x 4", Concentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	705.43	349.65
		For Class 300, Add	*135.09*	
33 14 13 36-0443	EA	8" x 4", Concentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	997.64	491.46
		For Class 300, Add	*194.34*	
33 14 13 36-0444	EA	8" x 6", Concentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,009.51	491.46
		For Class 300, Add	*203.18*	
33 14 13 36-0445	EA	10" x 8", Concentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,273.78	561.59
		For Class 300, Add	*321.71*	
33 14 13 36-0446	EA	12" x 4", Concentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,806.05	734.84
		For Class 300, Add	*524.77*	
33 14 13 36-0447	EA	12" x 6", Concentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,636.42	734.84
		For Class 300, Add	*398.40*	
33 14 13 36-0448	EA	12" x 8", Concentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,672.77	734.84
		For Class 300, Add	*425.48*	
33 14 13 36-0449	EA	12" x 10", Concentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,709.20	734.84
		For Class 300, Add	*452.62*	
33 14 13 36-0450		**Flanged Crosses, Standard Wall Thickness, Steel** *(33 14 13 36-0396)*		
33 14 13 36-0451	EA	8" x 8" x 8" x 8", Crosses, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Coated	2,442.47	979.31
		For Class 300, Add	*724.37*	
33 14 13 36-0452	EA	12" x 12" x 12" x 12", Crosses, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Coated	4,457.86	1,467.75
		For Class 300, Add	*1,680.00*	
33 14 13 36-0453		**Grooved-Joint Pipe, Cement Mortar Lined And Epoxy Coated** *(33 14 13 36)*		
		Note: Excludes fittings, elbow, tee, reducer fitting or couplings.		
33 14 13 36-0454	LF	3" Diameter, Schedule 40, AGS, Cement Mortar Lined And Epoxy Coated	74.59	25.63
33 14 13 36-0455	LF	4" Diameter, Schedule 40, AGS, Cement Mortar Lined And Epoxy Coated	92.63	28.54
33 14 13 36-0456	LF	6" Diameter, Schedule 40, AGS, Cement Mortar Lined And Epoxy Coated	162.21	50.05
33 14 13 36-0457	LF	8" Diameter, Schedule 40, AGS, Cement Mortar Lined And Epoxy Coated	214.71	56.71
33 14 13 36-0458	LF	10" Diameter, Schedule 40, AGS, Cement Mortar Lined And Epoxy Coated	284.18	67.71
33 14 13 36-0459	LF	12" Diameter, Schedule 40, AGS, Cement Mortar Lined And Epoxy Coated	343.53	77.74
33 14 13 36-0460		**Grooved-Joint Pipe Fittings** *(33 14 13 36)*		
33 14 13 36-0461		**90 Degree Grooved Elbow** *(33 14 13 36-0460)*		
33 14 13 36-0462	EA	3" 90 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated	179.61	38.93
33 14 13 36-0463	EA	4" 90 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated	210.29	51.39
33 14 13 36-0464	EA	6" 90 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated	478.31	84.03
33 14 13 36-0465	EA	8" 90 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated	882.43	99.99
33 14 13 36-0466	EA	10" 90 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated	1,312.46	116.67
33 14 13 36-0467	EA	12" 90 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated	2,018.38	140.01
33 14 13 36-0468		**45 Degree Grooved Elbow** *(33 14 13 36-0460)*		
33 14 13 36-0469	EA	3" 45 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated	179.56	38.93
33 14 13 36-0470	EA	4" 45 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated	210.29	51.39
33 14 13 36-0471	EA	6" 45 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated	478.31	84.03
33 14 13 36-0472	EA	8" 45 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated	882.43	99.99
33 14 13 36-0473	EA	10" 45 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated	1,312.46	116.67
33 14 13 36-0474	EA	12" 45 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated	2,018.38	140.01
33 14 13 36-0475		**22.5 Degree Grooved Elbow** *(33 14 13 36-0460)*		
33 14 13 36-0476	EA	3" 22.5 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated	166.29	38.93
33 14 13 36-0477	EA	4" 22.5 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated	219.67	51.39
33 14 13 36-0478	EA	6" 22.5 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated	505.35	84.03
33 14 13 36-0479	EA	8" 22.5 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated	934.88	99.99
33 14 13 36-0480	EA	10" 22.5 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated	1,254.58	116.67
33 14 13 36-0481	EA	12" 22.5 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated	1,665.84	140.01
33 14 13 36-0482		**11.25 Degree Grooved Elbow** *(33 14 13 36-0460)*		
33 14 13 36-0483	EA	3" 11.25 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated	166.28	38.93
33 14 13 36-0484	EA	4" 11.25 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated	219.66	51.39
33 14 13 36-0485	EA	6" 11.25 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated	505.33	84.03
33 14 13 36-0486	EA	8" 11.25 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated	934.84	99.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36-0487	EA	10" 11.25 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated	1,254.52	116.67
33 14 13 36-0488	EA	12" 11.25 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated	1,665.77	140.01

33 14 13 36-0489 Grooved Couplings *(33 14 13 36-0460)*

33 14 13 36-0490	EA	3" Coupling, Steel, AGS, Schedule 40	53.31	19.22
33 14 13 36-0491	EA	4" Coupling, Steel, AGS, Schedule 40	78.11	25.63
33 14 13 36-0492	EA	6" Coupling, Steel, AGS, Schedule 40	134.74	41.95
33 14 13 36-0493	EA	8" Coupling, Steel, AGS, Schedule 40	191.95	50.05
33 14 13 36-0494	EA	10" Coupling, Steel, AGS, Schedule 40	284.39	59.96
33 14 13 36-0495	EA	12" Coupling, Steel, AGS, Schedule 40	319.77	65.65

33 14 13 39 Copper Public Water Utility Distribution Piping *(33 14 13)*

33 14 13 39-0001 Type L Copper Water Distribution Piping *(33 14 13 39)*

33 14 13 39-0002	LF	1/2" Type L Copper Water Distribution Pipe	8.24	2.08
33 14 13 39-0003	LF	3/4" Type L Copper Water Distribution Pipe	10.55	2.34
33 14 13 39-0004	LF	1" Type L Copper Water Distribution Pipe	14.04	2.60
33 14 13 39-0005	LF	1-1/4" Type L Copper Water Distribution Pipe	17.67	3.12
33 14 13 39-0006	LF	1-1/2" Type L Copper Water Distribution Pipe	21.86	4.17
33 14 13 39-0007	LF	2" Type L Copper Water Distribution Pipe	32.28	5.20
33 14 13 39-0008	LF	2-1/2" Type L Copper Water Distribution Pipe	40.55	6.25
33 14 13 39-0009	LF	3" Type L Copper Water Distribution Pipe	51.20	6.87
33 14 13 39-0010	LF	3-1/2" Type L Copper Water Distribution Pipe	68.71	8.64
33 14 13 39-0011	LF	4" Type L Copper Water Distribution Pipe	90.91	10.92
33 14 13 39-0012	LF	5" Type L Copper Water Distribution Pipe	148.03	13.64
33 14 13 39-0013	LF	6" Type L Copper Water Distribution Pipe	191.67	16.45
33 14 13 39-0014	LF	8" Type L Copper Water Distribution Pipe	334.07	18.42

33 14 13 39-0015 Type K Copper Water Distribution Piping *(33 14 13 39)*

33 14 13 39-0016	LF	1/2" Type K Copper Water Distribution Pipe	8.82	2.08
33 14 13 39-0017	LF	3/4" Type K Copper Water Distribution Pipe	12.62	2.34
33 14 13 39-0018	LF	1" Type K Copper Water Distribution Pipe	16.10	2.60
33 14 13 39-0019	LF	1-1/4" Type K Copper Water Distribution Pipe	18.94	3.12
33 14 13 39-0020	LF	1-1/2" Type K Copper Water Distribution Pipe	23.75	4.17
33 14 13 39-0021	LF	2" Type K Copper Water Distribution Pipe	34.81	5.20
33 14 13 39-0022	LF	2-1/2" Type K Copper Water Distribution Pipe	47.58	6.25
33 14 13 39-0023	LF	3" Type K Copper Water Distribution Pipe	61.74	6.87
33 14 13 39-0024	LF	3-1/2" Type K Copper Water Distribution Pipe	81.10	8.64
33 14 13 39-0025	LF	4" Type K Copper Water Distribution Pipe	109.71	10.92
33 14 13 39-0026	LF	5" Type K Copper Water Distribution Pipe	186.93	13.64
33 14 13 39-0027	LF	6" Type K Copper Water Distribution Pipe	261.62	16.45
33 14 13 39-0028	LF	8" Type K Copper Water Distribution Pipe	463.15	18.42

33 14 13 39-0029 Copper Flare x Female Copper Flare Service Fitting Coupling *(33 14 13 39)*

Note: Mueller H-15405

33 14 13 39-0030	EA	3/4" Copper Flare x Female Copper Flare Service Fitting Coupling	37.74
33 14 13 39-0031	EA	1" Copper Flare x Female Copper Flare Service Fitting Coupling	53.25
33 14 13 39-0032	EA	1-1/2" Copper Flare x Female Copper Flare Service Fitting Coupling	125.24
33 14 13 39-0033	EA	2" Copper Flare x Female Copper Flare Service Fitting Coupling	159.48

33 14 13 39-0034 Copper Flare x Female Iron Pipe Service Fitting Coupling *(33 14 13 39)*

Note: Mueller H-15450

33 14 13 39-0035	EA	1/2" Copper Flare x Female Iron Pipe Service Fitting Coupling	43.04
33 14 13 39-0036	EA	3/4" Copper Flare x Female Iron Pipe Service Fitting Coupling	37.91
33 14 13 39-0037	EA	1" Copper Flare x Female Iron Pipe Service Fitting Coupling	51.88
33 14 13 39-0038	EA	1-1/4" Copper Flare x Female Iron Pipe Service Fitting Coupling	75.90
33 14 13 39-0039	EA	1-1/2" Copper Flare x Female Iron Pipe Service Fitting Coupling	97.70
33 14 13 39-0040	EA	2" Copper Flare x Female Iron Pipe Service Fitting Coupling	154.66

33 14 13 39-0041 Copper Flare x Male Iron Pipe Service Fitting Coupling *(33 14 13 39)*

Note: Mueller H-15425

33 14 13 39-0042	EA	1/2" Copper Flare x Male Iron Pipe Service Fitting Coupling	37.45
33 14 13 39-0043	EA	3/4" Copper Flare x Male Iron Pipe Service Fitting Coupling	38.00
33 14 13 39-0044	EA	1" Copper Flare x Male Iron Pipe Service Fitting Coupling	50.68
33 14 13 39-0045	EA	1-1/4" Copper Flare x Male Iron Pipe Service Fitting Coupling	75.90
33 14 13 39-0046	EA	1-1/2" Copper Flare x Male Iron Pipe Service Fitting Coupling	102.06
33 14 13 39-0047	EA	2" Copper Flare x Male Iron Pipe Service Fitting Coupling	160.07

33 14 13 39-0048 Brass Fittings *(33 14 13 39)*

33 14 13 39-0049 Brass Compression Reducer Coupling *(33 14 13 39-0048)*

33 14 13 39-0050	EA	3/4" x 1" Brass Compression Reducer Coupling	50.38	15.81
33 14 13 39-0051	EA	1" x 3/4" Brass Compression Reducer Coupling	39.35	15.81
33 14 13 39-0052	EA	1-1/2" x 1" Brass Compression Reducer Coupling	84.16	23.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 39-0053	EA	2" x 1-1/2" Brass Compression Reducer Coupling	104.14	30.44
33 14 13 39-0054		**Copper Compression x Male NPT Brass Coupling** *(33 14 13 39-0048)*		
		Note: A. Y. McDonald 74753Q		
33 14 13 39-0055	EA	3/4" Copper Compression x Male NPT Brass Coupling	52.27	17.56
33 14 13 39-0056	EA	3/4" x 1" Copper Compression x Male NPT Brass Coupling	59.71	20.49
33 14 13 39-0057	EA	1" Copper Compression x Male NPT Brass Coupling	61.31	20.49
33 14 13 39-0058	EA	1" x 3/4" Copper Compression x Male NPT Brass Coupling	59.98	20.49
33 14 13 39-0059	EA	1-1/4" Copper Compression x Male NPT Brass Coupling	82.39	23.41
33 14 13 39-0060	EA	1-1/4" x 1" Copper Compression x Male NPT Brass Coupling	79.98	23.41
33 14 13 39-0061	EA	1-1/2" Copper Compression x Male NPT Brass Coupling	109.45	29.27
33 14 13 39-0062	EA	2" Copper Compression x Male NPT Brass Coupling	144.46	35.12
33 14 13 39-0063		**Brass Nipples** *(33 14 13 39-0048)*		
33 14 13 39-0064	EA	3/4" x 6" Long Brass Nipple	36.63	7.32
33 14 13 39-0065	EA	1" x 6" Long Brass Nipple	47.87	7.90
33 14 13 39-0066	EA	1-1/2" x 6" Long Brass Nipple	73.33	8.49
33 14 13 39-0067		**Brass "H" Style Meter Insetters** *(33 14 13 39-0048)*		
33 14 13 39-0068	EA	5/8" x 3/4" Compression End, Brass "H" Style Meter Insetters	282.74	32.33
33 14 13 39-0069	EA	5/8" x 3/4" Threaded End, Brass "H" Style Meter Insetters	178.94	32.33
33 14 13 39-0070		**Meter Setters - Resetter, Brass** *(33 14 13 39-0048)*		
33 14 13 39-0071	EA	1" Meter, 10" High Brass Meter Setter - Resetter	759.95	32.33
		Note: Male meter thread, bottom inlet/outlet, angle ball valve, top inlet/outlet with meter nuts.		
33 14 13 43		**Public Water Utility Distribution Piping Coatings and Wraps** *(33 14 13)*		
33 14 13 43-0001		**Pipe Coatings** *(33 14 13 43)*		
33 14 13 43-0002		**Epoxy Wrap And Pipe Coating** *(33 14 13 43-0001)*		
		Note: Applied at fabrication shop.		
33 14 13 43-0003	LF	4" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	2.28	
33 14 13 43-0004	LF	6" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	2.81	
33 14 13 43-0005	LF	8" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	3.51	
33 14 13 43-0006	LF	10" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	4.18	
33 14 13 43-0007	LF	12" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	4.94	
33 14 13 43-0008	LF	14" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	6.56	
33 14 13 43-0009	LF	16" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	7.48	
33 14 13 43-0010	LF	18" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	7.87	
33 14 13 43-0011	LF	20" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	8.47	
33 14 13 43-0012	LF	24" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	9.87	
33 14 13 43-0013	LF	30" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	12.96	
33 14 13 43-0014	LF	36" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	20.48	
33 14 13 43-0015	LF	42" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	44.14	
33 14 13 43-0016	LF	48" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	50.45	
33 14 13 43-0017	LF	54" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	56.76	
33 14 13 43-0018	LF	60" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	63.06	
33 14 13 43-0019	LF	66" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	69.37	
33 14 13 43-0020	LF	72" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	75.64	
33 14 13 43-0021	LF	78" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	81.98	
33 14 13 43-0022	LF	84" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	88.29	
33 14 13 43-0023	LF	90" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	94.59	
33 14 13 43-0024	LF	96" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	100.90	
33 14 13 43-0025	LF	102" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	107.17	
33 14 13 43-0026	LF	108" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	113.54	
33 14 13 43-0027	LF	114" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	119.75	
33 14 13 43-0028	LF	120" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	126.12	
33 14 13 43-0029	LF	126" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	132.49	
33 14 13 43-0030	LF	132" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	138.54	
33 14 13 43-0031	LF	138" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	144.91	
33 14 13 43-0032	LF	144" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	151.28	
33 14 13 43-0033		**Cement Coating With Fiberglass Or Wire Mesh Reinforcing** *(33 14 13 43-0001)*		
		Note: Applied at fabrication shop. Thickness ranging between 1" and 2".		
33 14 13 43-0034	LF	4" Diameter Cement Coated Pipe 1" To 2" Mesh	9.27	
		Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0035	LF	6" Diameter Cement Coated Pipe 1" To 2" Mesh	11.41	
		Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0036	LF	8" Diameter Cement Coated Pipe 1" To 2" Mesh	14.27	
		Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0037	LF	10" Diameter Cement Coated Pipe 1" To 2" Mesh	15.89	
		Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0038	LF	12" Diameter Cement Coated Pipe 1" To 2" Mesh	17.95	
		Note: Reinforcing applied at fabrication shop.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 43-0039	LF	14" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	21.01	
33 14 13 43-0040	LF	16" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	23.86	
33 14 13 43-0041	LF	18" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	26.92	
33 14 13 43-0042	LF	20" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	29.92	
33 14 13 43-0043	LF	24" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	35.90	
33 14 13 43-0044	LF	30" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	44.87	
33 14 13 43-0045	LF	36" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	53.84	
33 14 13 43-0046	LF	42" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	62.82	
33 14 13 43-0047	LF	48" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	71.79	
33 14 13 43-0048	LF	54" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	80.77	
33 14 13 43-0049	LF	60" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	89.74	
33 14 13 43-0050	LF	66" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	98.71	
33 14 13 43-0051	LF	72" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	107.69	
33 14 13 43-0052	LF	78" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	116.66	

33 14 13 43-0053 Epoxy Wrap And Fitting Coating *(33 14 13 43-0001)*

Note: Applied at fabrication shop.

33 14 13 43-0054	EA	4" Outside Diameter, Epoxy Wrap And Fitting Coating	10.38	
		For 1/2" Thick, Add	*0.53*	
33 14 13 43-0055	EA	6" Outside Diameter, Epoxy Wrap And Fitting Coating	13.19	
		For 1/2" Thick, Add	*0.70*	
33 14 13 43-0056	EA	8" Outside Diameter, Epoxy Wrap And Fitting Coating	19.08	
		For 1/2" Thick, Add	*0.91*	
33 14 13 43-0057	EA	10" Outside Diameter, Epoxy Wrap And Fitting Coating	31.84	
		For 1/2" Thick, Add	*1.34*	
33 14 13 43-0058	EA	12" Outside Diameter, Epoxy Wrap And Fitting Coating	48.57	
		For 1/2" Thick, Add	*1.97*	
33 14 13 43-0059	EA	14" Outside Diameter, Epoxy Wrap And Fitting Coating	76.04	
		For 1/2" Thick, Add	*3.02*	
33 14 13 43-0060	EA	16" Outside Diameter, Epoxy Wrap And Fitting Coating	116.21	
		For 1/2" Thick, Add	*3.89*	
33 14 13 43-0061	EA	18" Outside Diameter, Epoxy Wrap And Fitting Coating	157.11	
		For 1/2" Thick, Add	*4.01*	
33 14 13 43-0062	EA	20" Outside Diameter, Epoxy Wrap And Fitting Coating	213.58	
		For 1/2" Thick, Add	*4.80*	
33 14 13 43-0063	EA	24" Outside Diameter, Epoxy Wrap And Fitting Coating	310.39	
		For 1/2" Thick, Add	*6.71*	

33 14 13 43-0064 Cement Pipe Lining *(33 14 13 43)*

33 14 13 43-0065 Cement Pipe Lining *(33 14 13 43-0064)*

Note: Shop applied.

33 14 13 43-0066	LF	4" Outside Diameter, 1/4" Thick Cement Pipe Lining	13.92	
		For 1/2" Thick, Add	*1.24*	
33 14 13 43-0067	LF	6" Outside Diameter, 1/4" Thick Cement Pipe Lining	17.29	
		For 1/2" Thick, Add	*1.52*	
33 14 13 43-0068	LF	8" Outside Diameter, 1/4" Thick Cement Pipe Lining	21.12	
		For 1/2" Thick, Add	*1.90*	
33 14 13 43-0069	LF	10" Outside Diameter, 1/4" Thick Cement Pipe Lining	27.37	
		For 1/2" Thick, Add	*2.38*	
33 14 13 43-0070	LF	12" Outside Diameter, 1/4" Thick Cement Pipe Lining	33.65	
		For 1/2" Thick, Add	*2.86*	
33 14 13 43-0071	LF	14" Outside Diameter, 1/4" Thick Cement Pipe Lining	42.86	
		For 1/2" Thick, Add	*3.35*	
33 14 13 43-0072	LF	16" Outside Diameter, 1/4" Thick Cement Pipe Lining	55.29	
		For 1/2" Thick, Add	*3.80*	
33 14 13 43-0073	LF	18" Outside Diameter, 5/16" Thick Cement Pipe Lining	65.95	
		For 1/2" Thick, Add	*3.65*	
33 14 13 43-0074	LF	20" Outside Diameter, 5/16" Thick Cement Pipe Lining	79.47	
		For 1/2" Thick, Add	*4.05*	
33 14 13 43-0075	LF	24" Outside Diameter, 5/16" Thick Cement Pipe Lining	96.32	
		For 1/2" Thick, Add	*4.86*	
33 14 13 43-0076	LF	30" Outside Diameter, 5/16" Thick Cement Pipe Lining	116.05	
		For 1/2" Thick, Add	*6.08*	
33 14 13 43-0077	LF	36" Outside Diameter, 5/16" Thick Cement Pipe Lining	139.65	
		For 1/2" Thick, Add	*7.29*	
33 14 13 43-0078	LF	42" Outside Diameter, 3/8" Thick Cement Pipe Lining	162.96	
		For 1/2" Thick, Add	*6.26*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 43-0079	LF	48" Outside Diameter, 3/8" Thick Cement Pipe Lining	186.17	
		For 1/2" Thick, Add	*7.15*	
33 14 13 43-0080	LF	54" Outside Diameter, 3/8" Thick Cement Pipe Lining	209.48	
		For 1/2" Thick, Add	*8.04*	
33 14 13 43-0081	LF	60" Outside Diameter, 3/8" Thick Cement Pipe Lining	232.78	
		For 1/2" Thick, Add	*8.94*	
33 14 13 43-0082	LF	66" Outside Diameter, 7/16" Thick Cement Pipe Lining	255.99	
		For 1/2" Thick, Add	*5.24*	
33 14 13 43-0083	LF	72" Outside Diameter, 7/16" Thick Cement Pipe Lining	279.31	
		For 1/2" Thick, Add	*5.72*	
33 14 13 43-0084	LF	78" Outside Diameter, 7/16" Thick Cement Pipe Lining	302.61	
		For 1/2" Thick, Add	*6.20*	

33 14 13 43-0085 Cement Fitting Lining *(33 14 13 43-0064)*

Note: Shop applied.

33 14 13 43-0086	EA	4" Outside Diameter, 1/4" Thick Cement Fitting Lining	14.87	
		For 1/2" Thick, Add	*1.43*	
33 14 13 43-0087	EA	6" Outside Diameter, 1/4" Thick Cement Fitting Lining	19.19	
		For 1/2" Thick, Add	*1.90*	
33 14 13 43-0088	EA	8" Outside Diameter, 1/4" Thick Cement Fitting Lining	26.87	
		For 1/2" Thick, Add	*2.47*	
33 14 13 43-0089	EA	10" Outside Diameter, 1/4" Thick Cement Fitting Lining	44.17	
		For 1/2" Thick, Add	*3.80*	
33 14 13 43-0090	EA	12" Outside Diameter, 1/4" Thick Cement Fitting Lining	67.30	
		For 1/2" Thick, Add	*5.72*	
33 14 13 43-0091	EA	14" Outside Diameter, 1/4" Thick Cement Fitting Lining	99.44	
		For 1/2" Thick, Add	*7.70*	
33 14 13 43-0092	EA	16" Outside Diameter, 1/4" Thick Cement Fitting Lining	146.18	
		For 1/2" Thick, Add	*9.89*	
33 14 13 43-0093	EA	18" Outside Diameter, 5/16" Thick Cement Fittings Lining	197.86	
		For 1/2" Thick, Add	*10.94*	
33 14 13 43-0094	EA	20" Outside Diameter, 5/16" Thick Cement Fitting Lining	264.76	
		For 1/2" Thick, Add	*13.50*	
33 14 13 43-0095	EA	24" Outside Diameter, 5/16" Thick Cement Fitting Lining	385.30	
		For 1/2" Thick, Add	*19.45*	

33 14 13 43-0096 8 Mil Polyethylene Encasement Tubing *(33 14 13 43)*

Note: ANSI/AWWA C105/A21.5-99 section 4.2.

33 14 13 43-0097	LF	3" To 8" Diameter, 8 Mil Polyethylene Encasement Tubing	1.19
33 14 13 43-0098	LF	10" To 12" Diameter, 8 Mil Polyethylene Encasement Tubing	1.96
33 14 13 43-0099	LF	14" To 16" Diameter, 8 Mil Polyethylene Encasement Tubing	2.42
33 14 13 43-0100	LF	18" To 20" Diameter, 8 Mil Polyethylene Encasement Tubing	3.06
33 14 13 43-0101	LF	24" Diameter, 8 Mil Polyethylene Encasement Tubing	4.21
33 14 13 43-0102	LF	30" Diameter, 8 Mil Polyethylene Encasement Tubing	5.43
33 14 13 43-0103	LF	36" To 42" Diameter, 8 Mil Polyethylene Encasement Tubing	6.90
33 14 13 43-0104	LF	48" Diameter, 8 Mil Polyethylene Encasement Tubing	8.23
33 14 13 43-0105	LF	54" Diameter, 8 Mil Polyethylene Encasement Tubing	9.78
33 14 13 43-0106	LF	60" Diameter, 8 Mil Polyethylene Encasement Tubing	10.76

33 14 13 43-0107 Enecon Polymeric Pipe Wrap *(33 14 13 43)*

Note: 1/4" thick polymeric wrap with three layers of integrated reinforcement. Includes minimal surface preparation.

33 14 13 43-0108	LF	6" Diameter Pipe, Enecon Polymeric Pipe Wrap	434.94	
		Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement.		
		For abrasive pipe blasting and/or mechanical preparation (grinding), Add	*173.98*	
		For <10', Add	*434.94*	
33 14 13 43-0109	LF	8" Diameter Pipe, Enecon Polymeric Pipe Wrap	588.46	
		Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement.		
		For abrasive pipe blasting and/or mechanical preparation (grinding), Add	*235.38*	
		For <10', Add	*588.46*	
33 14 13 43-0110	LF	10" Diameter Pipe, Enecon Polymeric Pipe Wrap	716.38	
		Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement.		
		For abrasive pipe blasting and/or mechanical preparation (grinding), Add	*286.55*	
		For <10', Add	*716.38*	
33 14 13 43-0111	LF	12" Diameter Pipe, Enecon Polymeric Pipe Wrap	844.30	
		Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement.		
		For abrasive pipe blasting and/or mechanical preparation (grinding), Add	*337.72*	
		For <10', Add	*844.30*	
33 14 13 43-0112	LF	14" Diameter Pipe, Enecon Polymeric Pipe Wrap	921.06	
		Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement.		
		For abrasive pipe blasting and/or mechanical preparation (grinding), Add	*368.42*	
		For <10', Add	*921.06*	
33 14 13 43-0113	LF	16" Diameter Pipe, Enecon Polymeric Pipe Wrap	1,048.98	
		Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement.		
		For abrasive pipe blasting and/or mechanical preparation (grinding), Add	*419.59*	
		For <10', Add	*1,048.98*	
33 14 13 43-0114	LF	18" Diameter Pipe, Enecon Polymeric Pipe Wrap	1,202.50	
		Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement.		
		For abrasive pipe blasting and/or mechanical preparation (grinding), Add	*481.00*	
		For <10', Add	*1,202.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 43-0115	LF	20" Diameter Pipe, Enecon Polymeric Pipe Wrap Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement.	1,343.21	
		For abrasive pipe blasting and/or mechanical preparation (grinding), Add	*537.28*	
		For <10', Add	*1,343.21*	
33 14 13 43-0116	LF	22" Diameter Pipe, Enecon Polymeric Pipe Wrap Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement.	1,471.14	
		For abrasive pipe blasting and/or mechanical preparation (grinding), Add	*588.46*	
33 14 13 43-0117	LF	24" Diameter Pipe, Enecon Polymeric Pipe Wrap Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement	1,599.06	
		For abrasive pipe blasting and/or mechanical preparation (grinding), Add	*639.62*	
33 14 13 43-0118	LF	26" Diameter Pipe, Enecon Polymeric Pipe Wrap Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement.	1,739.78	
		For abrasive pipe blasting and/or mechanical preparation (grinding), Add	*695.91*	
33 14 13 43-0119	LF	28" Diameter Pipe, Enecon Polymeric Pipe Wrap Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement.	1,867.70	
		For abrasive pipe blasting and/or mechanical preparation (grinding), Add	*747.08*	
33 14 13 43-0120	LF	30" Diameter Pipe, Enecon Polymeric Pipe Wrap Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement.	2,021.22	
		For abrasive pipe blasting and/or mechanical preparation (grinding), Add	*606.37*	
33 14 13 43-0121	LF	32" Diameter Pipe, Enecon Polymeric Pipe Wrap Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement.	2,123.56	
		For abrasive pipe blasting and/or mechanical preparation (grinding), Add	*637.07*	
33 14 13 43-0122	LF	34" Diameter Pipe, Enecon Polymeric Pipe Wrap Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement.	2,277.06	
		For abrasive pipe blasting and/or mechanical preparation (grinding), Add	*683.12*	
33 14 13 43-0123	LF	36" Diameter Pipe, Enecon Polymeric Pipe Wrap Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement.	2,404.99	
		For abrasive pipe blasting and/or mechanical preparation (grinding), Add	*721.50*	
33 14 13 43-0124	LF	42" Diameter Pipe, Enecon Polymeric Pipe Wrap Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement.	2,814.35	
		For abrasive pipe blasting and/or mechanical preparation (grinding), Add	*844.31*	
33 14 13 43-0125	LF	48" Diameter Pipe, Enecon Polymeric Pipe Wrap Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement.	3,223.71	
		For abrasive pipe blasting and/or mechanical preparation (grinding), Add	*967.11*	
33 14 13 43-0126	LF	60" Diameter Pipe, Enecon Polymeric Pipe Wrap Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement.	3,991.26	
		For abrasive pipe blasting and/or mechanical preparation (grinding), Add	*1,197.38*	
33 14 13 43-0127	LF	96" Diameter Pipe, Enecon Polymeric Pipe Wrap Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement.	6,396.25	
		For abrasive pipe blasting and/or mechanical preparation (grinding), Add	*1,918.88*	

33 14 13 53 Public Water Utility Distribution Piping Saddles And Adapters *(33 14 13)*

33 14 13 53-0001 Double Stud Stainless Steel Service Saddles *(33 14 13 53)*

Note: 1/2" listed taps are compression, 3/4" to 2" are either compression or NPT.

33 14 13 53-0002	EA	4" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	266.95
33 14 13 53-0003	EA	4" Diameter x 1-1/4" Or 1-1/2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	372.38
33 14 13 53-0004	EA	4" Diameter x 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	384.96
33 14 13 53-0005	EA	6" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	318.66
33 14 13 53-0006	EA	6" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	399.56
33 14 13 53-0007	EA	8" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	333.17
33 14 13 53-0008	EA	8" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	418.52
33 14 13 53-0009	EA	10" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	374.60
33 14 13 53-0010	EA	10" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	440.91
33 14 13 53-0011	EA	12" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	390.80
33 14 13 53-0012	EA	12" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	452.26

33 14 13 53-0013 Double Bale Epoxy Coated Ductile Iron Body Service Saddles *(33 14 13 53)*

Note: Electro-galvanized steel bales. 5/8" listed taps are compression. 3/4" to 2" are either compression or NPT. 2-1/2", 3" or 4" are NPT.

33 14 13 53-0014	EA	1-1/4" To 1-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	225.28
33 14 13 53-0015	EA	2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	225.43
33 14 13 53-0016	EA	2" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	239.87
33 14 13 53-0017	EA	2-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	229.04
33 14 13 53-0018	EA	3" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	245.03
33 14 13 53-0019	EA	3" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	270.59
33 14 13 53-0020	EA	3" Diameter x 2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	287.73
33 14 13 53-0021	EA	4" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	263.49
33 14 13 53-0022	EA	4" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	289.26
33 14 13 53-0023	EA	4" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	304.00
33 14 13 53-0024	EA	5" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	278.05
33 14 13 53-0025	EA	5" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	304.62
33 14 13 53-0026	EA	5" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	319.30
33 14 13 53-0027	EA	6" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	293.09
33 14 13 53-0028	EA	6" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	318.92
33 14 13 53-0029	EA	6" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	333.41
33 14 13 53-0030	EA	6" Diameter x 3" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	482.13
33 14 13 53-0031	EA	6" Diameter x 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	494.70
33 14 13 53-0032	EA	8" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	317.00
33 14 13 53-0033	EA	8" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	348.06
33 14 13 53-0034	EA	8" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	361.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 53-0035	EA	8" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	569.37	
33 14 13 53-0036	EA	10" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	353.94	
33 14 13 53-0037	EA	10" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	391.07	
33 14 13 53-0038	EA	10" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	634.53	
33 14 13 53-0039	EA	12" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	384.46	
33 14 13 53-0040	EA	12" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	423.68	
33 14 13 53-0041	EA	12" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	438.96	
33 14 13 53-0042	EA	12" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	706.84	
33 14 13 53-0043	EA	14" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	446.81	
33 14 13 53-0044	EA	14" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	477.68	
33 14 13 53-0045	EA	14" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	513.75	
33 14 13 53-0046	EA	14" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	865.20	
33 14 13 53-0047	EA	15" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	459.37	
33 14 13 53-0048	EA	15" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	521.37	
33 14 13 53-0049	EA	15" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	543.04	
33 14 13 53-0050	EA	15" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	929.16	
33 14 13 53-0051	EA	16" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	479.94	
33 14 13 53-0052	EA	16" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	544.18	
33 14 13 53-0053	EA	16" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	566.41	
33 14 13 53-0054	EA	16" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	966.81	
33 14 13 53-0055	EA	18" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	530.03	
33 14 13 53-0056	EA	18" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	611.36	
33 14 13 53-0057	EA	20" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	602.16	
33 14 13 53-0058	EA	20" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	665.93	
33 14 13 53-0059	EA	24" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	628.74	
33 14 13 53-0060	EA	24" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	708.63	

33 14 13 53-0061 Double Bale Bronze Service Saddles *(33 14 13 53)*

33 14 13 53-0062	EA	4" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	309.04	
33 14 13 53-0063	EA	4" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	337.46	
33 14 13 53-0064	EA	6" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	351.11	
33 14 13 53-0065	EA	6" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	379.80	
33 14 13 53-0066	EA	8" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	390.41	
33 14 13 53-0067	EA	8" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	410.30	
33 14 13 53-0068	EA	10" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	379.57	
33 14 13 53-0069	EA	10" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	403.48	
33 14 13 53-0070	EA	12" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	478.14	
33 14 13 53-0071	EA	12" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	516.48	
33 14 13 53-0072	EA	14" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	711.81	
33 14 13 53-0073	EA	14" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	802.63	
33 14 13 53-0074	EA	16" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	826.52	
33 14 13 53-0075	EA	16" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	921.15	

33 14 13 53-0076 Stainless Steel Double Straps, Bronze Body Service Saddle *(33 14 13 53)*

Note: Taps are compression or NPT.

33 14 13 53-0077	EA	4" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	324.11	
33 14 13 53-0078	EA	4" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	356.48	
33 14 13 53-0079	EA	6" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	368.91	
33 14 13 53-0080	EA	6" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	400.13	
33 14 13 53-0081	EA	8" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	412.41	
33 14 13 53-0082	EA	8" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	433.48	
33 14 13 53-0083	EA	10" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	463.44	
33 14 13 53-0084	EA	10" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	495.63	
33 14 13 53-0085	EA	12" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	498.30	
33 14 13 53-0086	EA	12" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	539.24	
33 14 13 53-0087	EA	14" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	761.77	
33 14 13 53-0088	EA	14" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	873.28	
33 14 13 53-0089	EA	16" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	885.80	
33 14 13 53-0090	EA	16" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	964.17	
33 14 13 53-0091	EA	18" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,924.75	
33 14 13 53-0092	EA	18" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,924.75	
33 14 13 53-0093	EA	20" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,997.13	
33 14 13 53-0094	EA	20" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,997.13	
33 14 13 53-0095	EA	24" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	2,143.84	
33 14 13 53-0096	EA	24" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	2,143.84	

33 14 13 53-0097 Ductile Iron Mechanical Joint Tapping Sleeve *(33 14 13 53)*

33 14 13 53-0098	EA	4" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,430.53	
33 14 13 53-0099	EA	6" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,728.12	
33 14 13 53-0100	EA	8" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,064.62	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 53-0101	EA	8" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,183.30	
33 14 13 53-0102	EA	10" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,299.45	
33 14 13 53-0103	EA	10" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,464.95	
33 14 13 53-0104	EA	10" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,536.78	
33 14 13 53-0105	EA	12" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,488.04	
33 14 13 53-0106	EA	12" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,652.88	
33 14 13 53-0107	EA	12" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	4,052.46	
33 14 13 53-0108	EA	12" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	4,154.97	
33 14 13 53-0109	EA	14" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,914.86	
33 14 13 53-0110	EA	14" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,100.93	
33 14 13 53-0111	EA	14" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,185.41	
33 14 13 53-0112	EA	14" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,222.57	
33 14 13 53-0113	EA	14" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,487.31	
33 14 13 53-0114	EA	16" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,477.80	
33 14 13 53-0115	EA	16" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,502.96	
33 14 13 53-0116	EA	16" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,710.72	
33 14 13 53-0117	EA	16" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,760.83	
33 14 13 53-0118	EA	16" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,815.84	
33 14 13 53-0119	EA	16" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	11,945.17	
33 14 13 53-0120	EA	16" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,198.75	
33 14 13 53-0121	EA	18" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,388.51	
33 14 13 53-0122	EA	18" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,855.80	
33 14 13 53-0123	EA	18" Diameter x 8", 10", 12" Or 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,991.46	
33 14 13 53-0124	EA	18" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	11,397.33	
33 14 13 53-0125	EA	20" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,739.93	
33 14 13 53-0126	EA	20" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,387.52	
33 14 13 53-0127	EA	20" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,566.67	
33 14 13 53-0128	EA	20" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,637.51	
33 14 13 53-0129	EA	20" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,984.62	
33 14 13 53-0130	EA	20" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	13,468.49	
33 14 13 53-0131	EA	20" Diameter x 16", 18" Or 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	13,733.89	
33 14 13 53-0132	EA	24" Diameter x 4", 6" Or 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	11,761.66	
33 14 13 53-0133	EA	24" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	11,925.26	
33 14 13 53-0134	EA	24" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	11,972.79	
33 14 13 53-0135	EA	24" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	16,541.15	
33 14 13 53-0136	EA	24" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	16,755.40	
33 14 13 53-0137	EA	24" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	16,805.69	
33 14 13 53-0138	EA	24" Diameter x 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	17,265.84	
33 14 13 53-0139	EA	24" Diameter x 24" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	17,485.98	

33 14 13 53-0140 Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve *(33 14 13 53)*

33 14 13 53-0141	EA	4" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,178.66	
33 14 13 53-0142	EA	6" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,254.30	
33 14 13 53-0143	EA	6" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,370.26	
33 14 13 53-0144	EA	8" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,412.00	
33 14 13 53-0145	EA	8" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,470.41	
33 14 13 53-0146	EA	8" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,685.92	
33 14 13 53-0147	EA	10" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,542.35	
33 14 13 53-0148	EA	10" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,599.27	
33 14 13 53-0149	EA	10" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,788.86	
33 14 13 53-0150	EA	10" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,459.71	
33 14 13 53-0151	EA	12" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,735.83	
33 14 13 53-0152	EA	12" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,818.74	
33 14 13 53-0153	EA	12" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,005.32	
33 14 13 53-0154	EA	12" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,606.43	
33 14 13 53-0155	EA	12" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,840.07	
33 14 13 53-0156	EA	14" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,276.17	
33 14 13 53-0157	EA	14" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,344.96	
33 14 13 53-0158	EA	14" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,743.95	
33 14 13 53-0159	EA	14" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,238.34	
33 14 13 53-0160	EA	14" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,560.24	
33 14 13 53-0161	EA	16" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,700.91	
33 14 13 53-0162	EA	16" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,771.89	
33 14 13 53-0163	EA	16" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,036.43	
33 14 13 53-0164	EA	16" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,743.02	
33 14 13 53-0165	EA	16" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,910.93	
33 14 13 53-0166	EA	18" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,868.06	
33 14 13 53-0167	EA	18" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,995.67	
33 14 13 53-0168	EA	18" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,172.50	
33 14 13 53-0169	EA	18" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,003.73	
33 14 13 53-0170	EA	18" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,171.45	
33 14 13 53-0171	EA	20" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,457.90	
33 14 13 53-0172	EA	20" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,528.73	
33 14 13 53-0173	EA	20" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,924.04	
33 14 13 53-0174	EA	20" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,591.66	
33 14 13 53-0175	EA	20" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,875.63	
33 14 13 53-0176	EA	24" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,734.13	
33 14 13 53-0177	EA	24" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,887.93	
33 14 13 53-0178	EA	24" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,095.17	
33 14 13 53-0179	EA	24" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	5,042.23	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 53-0180	EA	24" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	5,217.05	
33 14 13 53-0181		**Stainless Steel Flange, Stainless Steel Tapping Sleeve** *(33 14 13 53)*		
33 14 13 53-0182	EA	4" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,359.71	
33 14 13 53-0183	EA	6" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,482.97	
33 14 13 53-0184	EA	6" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,569.52	
33 14 13 53-0185	EA	8" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,603.28	
33 14 13 53-0186	EA	8" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,702.77	
33 14 13 53-0187	EA	8" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,997.64	
33 14 13 53-0188	EA	10" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,838.48	
33 14 13 53-0189	EA	10" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,948.69	
33 14 13 53-0190	EA	10" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,213.11	
33 14 13 53-0191	EA	10" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,976.91	
33 14 13 53-0192	EA	12" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,099.37	
33 14 13 53-0193	EA	12" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,249.16	
33 14 13 53-0194	EA	12" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,598.08	
33 14 13 53-0195	EA	12" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,052.32	
33 14 13 53-0196	EA	12" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,399.88	
33 14 13 53-0197	EA	14" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,395.95	
33 14 13 53-0198	EA	14" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,579.42	
33 14 13 53-0199	EA	14" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,972.15	
33 14 13 53-0200	EA	14" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,426.83	
33 14 13 53-0201	EA	14" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,667.86	
33 14 13 53-0202	EA	16" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,918.49	
33 14 13 53-0203	EA	16" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,168.87	
33 14 13 53-0204	EA	16" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,359.95	
33 14 13 53-0205	EA	16" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,848.74	
33 14 13 53-0206	EA	16" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,180.70	
33 14 13 53-0207	EA	18" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,219.25	
33 14 13 53-0208	EA	18" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,592.88	
33 14 13 53-0209	EA	18" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,792.26	
33 14 13 53-0210	EA	18" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,221.91	
33 14 13 53-0211	EA	18" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,789.97	
33 14 13 53-0212	EA	20" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,478.64	
33 14 13 53-0213	EA	20" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,851.31	
33 14 13 53-0214	EA	20" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,013.52	
33 14 13 53-0215	EA	20" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,812.05	
33 14 13 53-0216	EA	20" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	5,257.04	
33 14 13 53-0217	EA	24" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,117.14	
33 14 13 53-0218	EA	24" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,171.20	
33 14 13 53-0219	EA	24" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,365.47	
33 14 13 53-0220	EA	24" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	5,318.39	
33 14 13 53-0221	EA	24" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	5,827.55	
33 14 13 53-0222		**Ductile Iron Body, Flanged Coupling Adapter** *(33 14 13 53)*		
33 14 13 53-0223	EA	3" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	335.34	63.03
33 14 13 53-0224	EA	4" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	420.19	79.47
33 14 13 53-0225	EA	6" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	552.90	109.62
33 14 13 53-0226	EA	8" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	715.57	128.81
33 14 13 53-0227	EA	10" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	1,119.57	145.25
33 14 13 53-0228	EA	12" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	1,250.88	164.43
33 14 13 53-0229		**Steel Body, Flanged Coupling Adapter** *(33 14 13 53)*		
33 14 13 53-0230	EA	3" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	487.20	63.03
33 14 13 53-0231	EA	4" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	576.45	79.47
33 14 13 53-0232	EA	6" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	769.96	109.62
33 14 13 53-0233	EA	8" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	941.48	128.81
33 14 13 53-0234	EA	10" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,148.55	145.25
33 14 13 53-0235	EA	12" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,338.03	164.43
33 14 13 53-0236	EA	14" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,588.61	180.88
33 14 13 53-0237	EA	16" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,880.23	197.32
33 14 13 53-0238	EA	18" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	2,219.32	217.05
33 14 13 53-0239	EA	20" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	2,621.32	238.75
33 14 13 53-0240		**Steel Body, Flanged-Lock Restrained Coupling Adapters** *(33 14 13 53)*		
33 14 13 53-0241	EA	4" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	430.35	79.47
33 14 13 53-0242	EA	6" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	577.97	109.62
33 14 13 53-0243	EA	8" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	640.55	128.81
33 14 13 53-0244	EA	10" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	932.01	145.25
33 14 13 53-0245	EA	12" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,185.49	164.43
33 14 13 53-0246	EA	14" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,329.38	180.88
33 14 13 53-0247	EA	16" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,561.51	197.32
33 14 13 53-0248	EA	18" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,752.04	217.05
33 14 13 53-0249	EA	20" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	2,103.92	238.75
33 14 13 53-0250	EA	24" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	2,532.52	262.65
33 14 13 53-0251	EA	30" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	5,255.01	288.85

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 53-0252	EA	36" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	7,086.61	317.78
33 14 13 53-0253		**Ductile Iron Body, Omni Coupling System** *(33 14 13 53)*		
33 14 13 53-0254	EA	2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	152.79	43.84
33 14 13 53-0255	EA	2-1/2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	188.31	52.07
33 14 13 53-0256	EA	3" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	233.01	63.03
33 14 13 53-0257	EA	4" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	292.63	79.47
33 14 13 53-0258	EA	6" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	390.71	109.62
33 14 13 53-0259	EA	8" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	474.35	128.81
33 14 13 53-0260	EA	10" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	591.43	145.25
33 14 13 53-0261	EA	12" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	691.22	164.43
33 14 13 53-0262	EA	14" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	967.93	180.88
33 14 13 53-0263	EA	16" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	1,205.30	197.32
33 14 13 53-0264		**Fabricated Coupling (Smith-Blair 411)** *(33 14 13 53)*		
33 14 13 53-0265	EA	4" Steel Fabricated Coupling	503.24	176.56
33 14 13 53-0266	EA	6" Steel Fabricated Coupling	669.24	220.40
33 14 13 53-0267	EA	8" Steel Fabricated Coupling	776.80	252.06
33 14 13 53-0268	EA	10" Steel Fabricated Coupling	1,093.05	401.84
33 14 13 53-0269	EA	12" Steel Fabricated Coupling	1,237.43	438.36
33 14 13 53-0270	EA	14" Steel Fabricated Coupling	1,550.91	482.20
33 14 13 53-0271	EA	16" Steel Fabricated Coupling	1,874.08	535.77
33 14 13 53-0272	EA	18" Steel Fabricated Coupling	2,020.47	602.75
33 14 13 53-0273	EA	20" Steel Fabricated Coupling	2,392.71	687.99
33 14 13 53-0274	EA	24" Steel Fabricated Coupling	2,903.02	803.67
33 14 13 53-0275	EA	30" Steel Fabricated Coupling	4,023.58	964.40
33 14 13 53-0276	EA	36" Steel Fabricated Coupling	5,135.23	1,205.51
33 14 13 53-0277	EA	42" Steel Fabricated Coupling	5,935.05	1,375.97
33 14 13 53-0278	EA	48" Steel Fabricated Coupling	6,990.20	1,607.33
33 14 13 53-0279		**Transition Coupling (Smith-Blair 413)** *(33 14 13 53)*		
33 14 13 53-0280	EA	4" Steel Transition Coupling	640.84	176.56
33 14 13 53-0281	EA	6" Steel Transition Coupling	891.81	220.40
33 14 13 53-0282	EA	8" Steel Transition Coupling	1,020.63	252.06
33 14 13 53-0283	EA	10" Steel Transition Coupling	1,433.53	401.84
33 14 13 53-0284	EA	12" Steel Transition Coupling	1,690.08	438.36
33 14 13 53-0285	EA	14" Steel Transition Coupling	1,913.95	482.20
33 14 13 53-0286	EA	16" Steel Transition Coupling	2,307.82	535.77
33 14 13 53-0287	EA	18" Steel Transition Coupling	2,917.74	602.75
33 14 13 53-0288	EA	20" Steel Transition Coupling	3,131.97	687.99
33 14 13 53-0289	EA	24" Steel Transition Coupling	3,785.28	803.67
33 14 13 53-0290	EA	30" Steel Transition Coupling	5,042.09	964.40
33 14 13 53-0291	EA	36" Steel Transition Coupling	6,000.30	1,205.51
33 14 13 53-0292	EA	42" Steel Transition Coupling	7,161.28	1,375.97
33 14 13 53-0293	EA	48" Steel Transition Coupling	8,006.39	1,607.33

33 14 19 Valves and Hydrants for Water Utility Service *(33 14)*

Note: Flanged valves excludes bolt and gasket set. Excludes excavation and backfill. See CSI section 23 21 13 23-0713 for bolt and gasket sets.

33 14 19 00-0001 Accessories For Valves *(33 14 19)*

33 14 19 00-0002	EA	1' Valve Extension Stem	109.39	
		For Each Additional LF, Add	*8.75*	
33 14 19 00-0003	EA	Up to 80" Long Indicator Post Telescoping Barrel Assembly Note: Excludes valve.	1,691.59	107.79
33 14 19 00-0004	EA	>80" To 114" Long Indicator Post Telescoping Barrel Assembly Note: Excludes valve.	1,919.26	118.57
33 14 19 00-0005	EA	Adjust Water Valve Box To Grade	107.79	

33 14 19 00-0006 Water Utility Distribution Valves *(33 14 19)*

33 14 19 00-0007 Angle Valves *(33 14 19 00-0006)*

Note: For connecting meters to water service.

33 14 19 00-0008 Threaded, Class 150, Bronze Angle Valve *(33 14 19 00-0007)*

Note: Nibco T-335Y

33 14 19 00-0009	EA	1/2" Threaded, Class 150, Bronze Angle Valve	104.49	18.73
33 14 19 00-0010	EA	3/4" Threaded, Class 150, Bronze Angle Valve	140.93	25.17
33 14 19 00-0011	EA	1" Threaded, Class 150, Bronze Angle Valve	189.78	31.02
33 14 19 00-0012	EA	1-1/4" Threaded, Class 150, Bronze Angle Valve	244.34	38.98
33 14 19 00-0013	EA	1-1/2" Threaded, Class 150, Bronze Angle Valve	305.06	45.06
33 14 19 00-0014	EA	2" Threaded, Class 150, Bronze Angle Valve	454.90	52.68
33 14 19 00-0015	EA	2-1/2" Threaded, Class 150, Bronze Angle Valve	728.42	71.90
33 14 19 00-0016	EA	3" Threaded, Class 150, Bronze Angle Valve	1,105.37	83.00

33 14 19 00-0017 Butterfly Valves *(33 14 19 00-0006)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0018		**Lug Type Flanged, Cast Iron Disc, Butterfly Valves** *(33 14 19 00-0017)* Note: ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, 304 Stainless Steel Pin		
33 14 19 00-0019	EA	3" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,3,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified)	2,125.99	199.00
33 14 19 00-0020	EA	3" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,3,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified)	2,380.24	199.00
33 14 19 00-0021	EA	4" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,4,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified)	2,387.10	307.97
33 14 19 00-0022	EA	4" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,4,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified)	2,639.18	307.97
33 14 19 00-0023	EA	6" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,6,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified)	2,758.46	380.02
33 14 19 00-0024	EA	6" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,6,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified)	3,010.54	380.02
33 14 19 00-0025	EA	8" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,8,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified)	3,115.28	485.58
33 14 19 00-0026	EA	8" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,8,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified)	3,365.91	485.58
33 14 19 00-0027	EA	10" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,10,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified)	3,907.27	591.14
33 14 19 00-0028	EA	10" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,10,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8)	3,907.27	591.14
33 14 19 00-0029	EA	12" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,12,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified)	4,471.09	716.51
33 14 19 00-0030	EA	12" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,12,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified)	4,723.16	716.51
33 14 19 00-0031	EA	14" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,14,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD12 Modified)	6,001.86	1,017.44
33 14 19 00-0032	EA	14" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,14,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW12 Modified)	6,661.03	1,017.44
33 14 19 00-0033	EA	16" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,16,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD16 Modified)	6,993.94	1,119.19
33 14 19 00-0034	EA	16" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,16,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW20 Modified)	7,802.32	1,119.19
33 14 19 00-0035	EA	18" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,18,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD24 Modified)	8,774.92	1,241.28
33 14 19 00-0036	EA	18" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,1BAW,18,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW24 Modified)	9,631.11	1,241.28
33 14 19 00-0037	EA	20" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,20,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD24 Modified)	10,057.13	1,398.99
33 14 19 00-0038	EA	20" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,20,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW24 Modified)	10,911.87	1,398.99
33 14 19 00-0039		**Lug Type Flanged, Ductile Iron Disc, Butterfly Valves** *(33 14 19 00-0017)* Note: ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, 304 Stainless Steel Pin		
33 14 19 00-0040	EA	24" Chainwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S2*GS-12A-CW20 Modified)	17,270.74	1,716.94
33 14 19 00-0041	EA	24" Cylinder Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S2*GS-12-PC10 Modified)	27,867.91	1,716.94
33 14 19 00-0042	EA	24" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S2*GS-12A-HD20 Modified)	17,218.37	1,716.94
33 14 19 00-0043	EA	30" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,30,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR3L-HD24 Modified)	28,294.09	2,717.75
33 14 19 00-0044	EA	36" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,36,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR3L-HD24 Modified)	56,059.75	3,623.67

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0045	EA	42" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,42,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR3L-HD32 Modified)	66,212.69	5,435.51
33 14 19 00-0046	EA	48" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,48,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR4L-HD24 Modified)	84,004.14	6,794.38
33 14 19 00-0047	EA	54" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,54,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR6L-HD24 Modified)	117,456.65	8,153.25
33 14 19 00-0048	EA	60" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,60,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR6L-HD36 Modified)	147,209.39	9,783.90
33 14 19 00-0049	EA	72" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,72,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR8L-HD36 Modified)	211,379.14	11,740.68
33 14 19 00-0050	LF	3/16" Link, 316 Stainless Steel Chain For Use With DeZurik Chainwheel	19.00	
33 14 19 00-0051	EA	316 Stainless Steel Closing Link For Use With DeZurik Chainwheel Note: One required per valve.	10.00	

33 14 19 00-0052 Lug Type Flanged, Butterfly Valve, Cast Iron Body, Cast Iron Disc With 316 Stainless Steel Edge *(33 14 19 00-0017)*

Note: AWWA C-504.

33 14 19 00-0053 Aboveground Service *(33 14 19 00-0052)*

33 14 19 00-0054 Valve *(33 14 19 00-0053)*

33 14 19 00-0055	EA	3" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Lever, AWWA C504	1,983.58	183.25
33 14 19 00-0056	EA	4" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Lever, AWWA C504	2,154.55	307.20
33 14 19 00-0057	EA	6" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504	2,849.81	380.02
33 14 19 00-0058	EA	8" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504	3,349.63	485.58
33 14 19 00-0059	EA	10" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504	4,845.78	591.14
33 14 19 00-0060	EA	12" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504	5,115.04	717.80
33 14 19 00-0061	EA	14" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504	8,273.41	1,017.44
33 14 19 00-0062	EA	16" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504	9,658.75	1,119.19
33 14 19 00-0063	EA	18" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504	11,956.47	1,030.26
33 14 19 00-0064	EA	20" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504	14,316.21	1,161.15
33 14 19 00-0065	EA	24" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504	19,737.98	1,425.06

33 14 19 00-0066 Valve With 120 Volt AC Electric Motor Operator *(33 14 19 00-0053)*

33 14 19 00-0067	EA	3" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Lever, AWWA C504, With 120 Volt AC Electric Motor Operator	14,498.52	183.25
33 14 19 00-0068	EA	4" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Lever, AWWA C504, With 120 Volt AC Electric Motor Operator	14,689.95	307.20
33 14 19 00-0069	EA	6" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With 120 Volt AC Electric Motor Operator	14,807.28	380.02
33 14 19 00-0070	EA	8" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With 120 Volt AC Electric Motor Operator	15,261.07	485.58
33 14 19 00-0071	EA	10" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With 120 Volt AC Electric Motor Operator	16,066.78	591.14
33 14 19 00-0072	EA	12" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With 120 Volt AC Electric Motor Operator	18,427.82	717.80
33 14 19 00-0073	EA	14" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With 120 Volt AC Electric Motor Operator	19,780.81	1,017.44
33 14 19 00-0074	EA	16" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With 120 Volt AC Electric Motor Operator	21,575.30	1,119.19
33 14 19 00-0075	EA	18" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With 120 Volt AC Electric Motor Operator	30,621.86	1,241.28
33 14 19 00-0076	EA	20" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With 120 Volt AC Electric Motor Operator	33,580.76	1,398.99

33 14 19 00-0077 Valve With Pneumatic Or Hydraulic Motor Operator *(33 14 19 00-0053)*

33 14 19 00-0078	EA	3" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Lever, AWWA C504, With Pneumatic Or Hydraulic Operator	6,279.68	183.25
33 14 19 00-0079	EA	4" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Lever, AWWA C504, With Pneumatic Or Hydraulic Operator	6,471.11	307.20
33 14 19 00-0080	EA	6" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With Pneumatic Or Hydraulic Operator	6,746.98	380.02
33 14 19 00-0081	EA	8" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With Pneumatic Or Hydraulic Operator	7,195.66	485.58
33 14 19 00-0082	EA	10" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With Pneumatic Or Hydraulic Operator	9,883.47	591.14
33 14 19 00-0083	EA	12" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With Pneumatic Or Hydraulic Operator	10,582.33	717.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0084	EA	14" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With Pneumatic Or Hydraulic Operator	11,725.63	1,017.44
33 14 19 00-0085	EA	16" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With Pneumatic Or Hydraulic Operator	13,172.34	1,119.19
33 14 19 00-0086	EA	18" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With Pneumatic Or Hydraulic Operator	14,209.75	1,241.28
33 14 19 00-0087	EA	20" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With Pneumatic Or Hydraulic Operator	20,385.60	1,398.99
33 14 19 00-0088	EA	24" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With Pneumatic Or Hydraulic Operator	33,500.83	1,425.06
33 14 19 00-0089		**Buried Service** *(33 14 19 00-0052)*		
33 14 19 00-0090	EA	4" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Lever, AWWA C504, Buried Service	3,893.45	307.20
33 14 19 00-0091	EA	6" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, Buried Service	4,138.64	380.02
33 14 19 00-0092	EA	8" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, Buried Service	5,543.71	485.58
33 14 19 00-0093	EA	10" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, Buried Service	8,298.00	591.14
33 14 19 00-0094	EA	12" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, Buried Service	8,669.55	717.80
33 14 19 00-0095	EA	14" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, Buried Service	14,057.80	1,017.44
33 14 19 00-0096	EA	16" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, Buried Service	16,609.22	1,119.19
33 14 19 00-0097	EA	18" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, Buried Service	21,047.70	1,241.28
33 14 19 00-0098	EA	20" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, Buried Service	24,712.39	1,398.99
33 14 19 00-0099	EA	24" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, Buried Service	35,676.17	1,716.94
33 14 19 00-0100		**Ductile Iron, Flanged End, Short-Body Type, Class 150, Butterfly Valves (Henry Pratt, Mueller)** *(33 14 19 00-0017)* Note: Shall confrom to AWWA C504		
33 14 19 00-0101	EA	6" Ductile Iron, Flanged End, Short-Body Type, 150 PSI, Butterfly Valve	1,345.01	388.05
33 14 19 00-0102	EA	8" Ductile Iron, Flanged End, Short-Body Type, 150 PSI, Butterfly Valve	1,715.63	485.58
33 14 19 00-0103	EA	10" Ductile Iron, Flanged End, Short-Body Type, 150 PSI, Butterfly Valve	2,272.52	591.14
33 14 19 00-0104	EA	12" Ductile Iron, Flanged End, Short-Body Type, 150 PSI, Butterfly Valve	2,732.92	717.80
33 14 19 00-0105	EA	14" Ductile Iron, Flanged End, Short-Body Type, 150 PSI, Butterfly Valve	4,277.96	1,017.44
33 14 19 00-0106	EA	16" Ductile Iron, Flanged End, Short-Body Type, 150 PSI, Butterfly Valve	4,975.85	1,119.19
33 14 19 00-0107	EA	18" Ductile Iron, Flanged End, Short-Body Type, 150 PSI, Butterfly Valve	5,568.71	1,241.28
33 14 19 00-0108	EA	20" Ductile Iron, Flanged End, Short-Body Type, 150 PSI, Butterfly Valve	7,160.57	1,398.99
33 14 19 00-0109	EA	24" Ductile Iron, Flanged End, Short-Body Type, 150 PSI, Butterfly Valve	9,650.10	1,716.94
33 14 19 00-0110	EA	30" Ductile Iron, Flanged End, Short-Body Type, 150 PSI, Butterfly Valve	16,988.20	2,717.75
33 14 19 00-0111		**Ductile Iron, Flanged End, Short-Body Type, Class 250, Butterfly Valves (Henry Pratt, Mueller)** *(33 14 19 00-0017)* Note: Shall confrom to AWWA C504		
33 14 19 00-0112	EA	6" Ductile Iron, Flanged End, Short-Body Type, 250 PSI, Butterfly Valve	3,243.94	388.05
33 14 19 00-0113	EA	8" Ductile Iron, Flanged End, Short-Body Type, 250 PSI, Butterfly Valve	3,671.88	485.58
33 14 19 00-0114	EA	10" Ductile Iron, Flanged End, Short-Body Type, 250 PSI, Butterfly Valve	4,176.07	591.14
33 14 19 00-0115	EA	12" Ductile Iron, Flanged End, Short-Body Type, 250 PSI, Butterfly Valve	5,168.36	717.80
33 14 19 00-0116	EA	14" Ductile Iron, Flanged End, Short-Body Type, 250 PSI, Butterfly Valve	6,460.08	1,017.44
33 14 19 00-0117	EA	16" Ductile Iron, Flanged End, Short-Body Type, 250 PSI, Butterfly Valve	6,816.16	1,119.19
33 14 19 00-0118	EA	18" Ductile Iron, Flanged End, Short-Body Type, 250 PSI, Butterfly Valve	9,030.71	1,241.28
33 14 19 00-0119	EA	20" Ductile Iron, Flanged End, Short-Body Type, 250 PSI, Butterfly Valve	13,193.09	1,398.99
33 14 19 00-0120	EA	24" Ductile Iron, Flanged End, Short-Body Type, 250 PSI, Butterfly Valve	19,538.44	1,716.94
33 14 19 00-0121	EA	30" Ductile Iron, Flanged End, Short-Body Type, 250 PSI, Butterfly Valve	25,719.08	2,717.75
33 14 19 00-0122		**Check Valves** *(33 14 19 00-0006)*		
33 14 19 00-0123		**Flanged, Swing Type Gravity Operated Check Valves** *(33 14 19 00-0122)* Note: AWWA C508. Bronze disc facing. Mueller A-2600-6.		
33 14 19 00-0124	EA	2-1/2" Flanged, Swing Type Gravity Operated Check Valve	1,798.68	156.29
33 14 19 00-0125	EA	3" Flanged, Swing Type Gravity Operated Check Valve	1,832.04	183.25
33 14 19 00-0126	EA	4" Flanged, Swing Type Gravity Operated Check Valve	2,439.02	231.75
33 14 19 00-0127	EA	4" x 6" Flanged, Swing Type Gravity Operated Check Valve	3,531.28	348.70
33 14 19 00-0128	EA	4" x 8" Flanged, Swing Type Gravity Operated Check Valve	3,645.24	389.44
33 14 19 00-0129	EA	6" Flanged, Swing Type Gravity Operated Check Valve	3,460.30	388.05
33 14 19 00-0130	EA	6" x 8" Flanged, Swing Type Gravity Operated Check Valve	4,578.35	441.09
33 14 19 00-0131	EA	6" x 10" Flanged, Swing Type Gravity Operated Check Valve	4,751.20	495.84
33 14 19 00-0132	EA	8" Flanged, Swing Type Gravity Operated Check Valve	4,968.25	495.84
33 14 19 00-0133	EA	10" Flanged, Swing Type Gravity Operated Check Valve	8,563.81	603.63
33 14 19 00-0134	EA	12" Flanged, Swing Type Gravity Operated Check Valve	13,129.74	452.72
33 14 19 00-0135	EA	14" Flanged, Swing Type Gravity Operated Check Valve	18,561.80	1,017.44
33 14 19 00-0136	EA	16" Flanged, Swing Type Gravity Operated Check Valve	24,832.51	1,119.19

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0137	EA	18" Flanged, Swing Type Gravity Operated Check Valve	36,259.26	1,241.28
33 14 19 00-0138	EA	20" Flanged, Swing Type Gravity Operated Check Valve	42,243.58	1,398.99
33 14 19 00-0139		**Threaded, Bronze, Swing Type Check Valves** *(33 14 19 00-0122)*		
		Note: Class 125. Watts WCV-2, Nibco T-413.		
33 14 19 00-0140	EA	1/4" Threaded, Bronze, Swing Type Check Valve	52.15	18.85
33 14 19 00-0141	EA	3/8" Threaded, Bronze, Swing Type Check Valve	53.93	18.85
33 14 19 00-0142	EA	1/2" Threaded, Bronze, Swing Type Check Valve	50.96	18.85
33 14 19 00-0143	EA	3/4" Threaded, Bronze, Swing Type Check Valve	67.74	25.46
33 14 19 00-0144	EA	1" Threaded, Bronze, Swing Type Check Valve	78.97	30.79
33 14 19 00-0145	EA	1-1/4" Threaded, Bronze, Swing Type Check Valve	111.34	38.98
33 14 19 00-0146	EA	1-1/2" Threaded, Bronze, Swing Type Check Valve	135.52	45.06
33 14 19 00-0147	EA	2" Threaded, Bronze, Swing Type Check Valve	176.65	52.68
33 14 19 00-0148	EA	2-1/2" Threaded, Bronze, Swing Type Check Valve	262.37	71.90
33 14 19 00-0149		**Flanged, Rubber Flapper Swing Check Valve (APCO CRF)** *(33 14 19 00-0122)*		
33 14 19 00-0150	EA	2-1/2" Flanged, Rubber Flapper Swing Check Valve	5,518.09	156.29
33 14 19 00-0151	EA	3" Flanged, Rubber Flapper Swing Check Valve	5,786.93	183.25
33 14 19 00-0152	EA	4" Flanged, Rubber Flapper Swing Check Valve	6,864.55	231.75
33 14 19 00-0153	EA	6" Flanged, Rubber Flapper Swing Check Valve	7,645.75	388.05
33 14 19 00-0154	EA	8" Flanged, Rubber Flapper Swing Check Valve	9,941.43	495.84
33 14 19 00-0155	EA	10" Flanged, Rubber Flapper Swing Check Valve	13,942.04	603.63
33 14 19 00-0156	EA	12" Flanged, Rubber Flapper Swing Check Valve	24,642.99	452.72
33 14 19 00-0157	EA	14" Flanged, Rubber Flapper Swing Check Valve	28,212.03	1,017.44
33 14 19 00-0158	EA	16" Flanged, Rubber Flapper Swing Check Valve	36,063.33	1,119.19
33 14 19 00-0159	EA	18" Flanged, Rubber Flapper Swing Check Valve	53,359.79	1,241.28
33 14 19 00-0160	EA	20" Flanged, Rubber Flapper Swing Check Valve	59,679.65	1,398.99
33 14 19 00-0161		**Combination Air Release Valves** *(33 14 19 00-0006)*		
33 14 19 00-0162	EA	1" Combination Air Release Valve	627.82	22.63
33 14 19 00-0163	EA	2" Combination Air Release Valve	1,013.07	38.80
33 14 19 00-0164		**Corporation Stop And Curb Valve** *(33 14 19 00-0006)*		
		Note: AWWA C800		
33 14 19 00-0165		**Ball Corporation Valves** *(33 14 19 00-0164)*		
		Note: Mueller B-25000.		
33 14 19 00-0166	EA	3/4" Ball Corporation Valve (Mueller B-25000)	81.91	22.63
33 14 19 00-0167	EA	1" Ball Corporation Valve (Mueller B-25000)	102.78	28.02
33 14 19 00-0168	EA	1-1/2" Ball Corporation Valve (Mueller B-25000)	181.79	40.96
33 14 19 00-0169	EA	2" Ball Corporation Valve (Mueller B-25000)	270.65	48.50
33 14 19 00-0170		**Ground Key Corporation Valves** *(33 14 19 00-0164)*		
		Note: Mueller B-15000.		
33 14 19 00-0171	EA	1/2" Ground Key Corporation Valve	62.13	19.40
33 14 19 00-0172	EA	3/4" Ground Key Corporation Valve	68.91	22.63
33 14 19 00-0173	EA	1" Ground Key Corporation Valve	93.21	28.02
33 14 19 00-0174	EA	1-1/4" Ground Key Corporation Valve	168.66	34.49
33 14 19 00-0175	EA	1-1/2" Ground Key Corporation Valve	177.01	40.96
33 14 19 00-0176	EA	2" Ground Key Corporation Valve	270.59	48.50
33 14 19 00-0177		**Ball Curb Valves** *(33 14 19 00-0164)*		
		Note: Mueller B-25204.		
33 14 19 00-0178	EA	3/4" Ball Curb Valve	97.85	22.63
33 14 19 00-0179	EA	1" Ball Curb Valve	129.76	28.02
33 14 19 00-0180	EA	1-1/2" Ball Curb Valve	244.24	40.96
33 14 19 00-0181	EA	2" Ball Curb Valve	362.10	48.50
33 14 19 00-0182		**O Ring Seal Curb Valves** *(33 14 19 00-0164)*		
		Note: Mueller H-15204.		
33 14 19 00-0183	EA	3/4" O Ring Seal Curb Valve	97.85	22.63
33 14 19 00-0184	EA	1" O Ring Seal Curb Valve	137.00	28.02
33 14 19 00-0185	EA	1-1/4" O Ring Seal Curb Valve	183.04	34.49
33 14 19 00-0186	EA	1-1/2" O Ring Seal Curb Valve	244.24	40.96
33 14 19 00-0187	EA	2" O Ring Seal Curb Valve	362.02	48.50
33 14 19 00-0188		**Corporation Stops** *(33 14 19 00-0164)*		
33 14 19 00-0189	EA	1" Bronze Corporatopn Stop, Flare x MIP (Mueller B-24025N)	186.99	30.44
33 14 19 00-0190	EA	1-1/2" Bronze Corporatopn Stop, Flare x MIP (Mueller B-24025N)	399.64	44.48
33 14 19 00-0191	EA	2" Bronze Corporatopn Stop, Flare x MIP (Mueller B-24025N)	626.78	52.68
33 14 19 00-0192	EA	1" Bronze Corporatopn Stop, Compression x MIP (Mueller B-25028N)	194.02	30.44
33 14 19 00-0193	EA	1-1/2" Bronze Corporatopn Stop, Compression x MIP (Mueller B-25028N)	396.05	44.48
33 14 19 00-0194	EA	2" Bronze Corporatopn Stop, Compression x MIP (Mueller B-25028N)	620.24	52.68

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0195	EA	1" Bronze Corporatopn Stop, MIP x MIP (Mueller B-20013N)	193.00	30.44
33 14 19 00-0196	EA	1-1/2" Bronze Corporatopn Stop, MIP x MIP (Mueller B-22969N)	347.67	44.48
33 14 19 00-0197	EA	2" Bronze Corporatopn Stop, MIP x MIP (Mueller B-22969N)	553.62	52.68
33 14 19 00-0198		Gate Valve, AWWA C500 And C509 *(33 14 19 00-0006)*		
33 14 19 00-0199		Gate Valve, Flanged *(33 14 19 00-0198)*		
		Note: Mueller A-2380-6.		
33 14 19 00-0200	EA	2" Gate Valve, Flanged	1,083.88	143.68
33 14 19 00-0201	EA	2-1/2" Gate Valve, Flanged	1,275.68	156.29
33 14 19 00-0202	EA	3" Gate Valve, Flanged	1,510.65	183.25
33 14 19 00-0203	EA	4" Gate Valve, Flanged	1,891.01	229.59
33 14 19 00-0204	EA	6" Gate Valve, Flanged	2,400.85	388.05
33 14 19 00-0205	EA	8" Gate Valve, Flanged	3,607.00	495.84
33 14 19 00-0206	EA	10" Gate Valve, Flanged	5,507.65	603.63
33 14 19 00-0207	EA	12" Gate Valve, Flanged	6,644.16	452.72
33 14 19 00-0208	EA	14" Gate Valve, Flanged	14,977.32	1,017.44
33 14 19 00-0209	EA	16" Gate Valve, Flanged	19,713.61	1,119.19
33 14 19 00-0210	EA	18" Gate Valve, Flanged	31,529.46	1,241.28
33 14 19 00-0211	EA	20" Gate Valve, Flanged	37,752.73	1,398.99
33 14 19 00-0212		Resilient Wedge Gate Valve, Flanged *(33 14 19 00-0198)*		
		Note: Mueller A-2360-6.		
33 14 19 00-0213	EA	2" Resilient Wedge Gate Valve, Flanged	1,032.73	143.68
33 14 19 00-0214	EA	2-1/2" Resilient Wedge Gate Valve, Flanged	1,214.56	156.29
33 14 19 00-0215	EA	3" Resilient Wedge Gate Valve, Flanged	1,438.13	183.25
33 14 19 00-0216	EA	4" Resilient Wedge Gate Valve, Flanged	1,809.94	229.59
33 14 19 00-0217	EA	6" Resilient Wedge Gate Valve, Flanged	2,292.48	388.05
33 14 19 00-0218	EA	8" Resilient Wedge Gate Valve, Flanged	3,437.72	495.84
33 14 19 00-0219	EA	10" Resilient Wedge Gate Valve, Flanged	5,238.63	603.63
33 14 19 00-0220	EA	12" Resilient Wedge Gate Valve, Flanged	6,319.35	452.72
33 14 19 00-0221		Gate Valve, Mechanical Joint *(33 14 19 00-0198)*		
		Note: Mueller A-2380-20.		
33 14 19 00-0222	EA	2" Gate Valve, Mechanical Joint	1,261.22	114.80
33 14 19 00-0223	EA	2-1/2" Gate Valve, Mechanical Joint	1,346.69	143.90
33 14 19 00-0224	EA	3" Gate Valve, Mechanical Joint	1,698.87	174.08
33 14 19 00-0225	EA	4" Gate Valve, Mechanical Joint	2,004.19	229.59
33 14 19 00-0226	EA	6" Gate Valve, Mechanical Joint	2,538.89	269.48
33 14 19 00-0227	EA	8" Gate Valve, Mechanical Joint	3,758.09	323.37
33 14 19 00-0228	EA	10" Gate Valve, Mechanical Joint	5,589.73	377.27
33 14 19 00-0229	EA	12" Gate Valve, Mechanical Joint	7,016.95	452.72
33 14 19 00-0230	EA	14" Gate Valve, Mechanical Joint	15,968.63	623.18
33 14 19 00-0231	EA	16" Gate Valve, Mechanical Joint	20,755.20	699.49
33 14 19 00-0232	EA	18" Gate Valve, Mechanical Joint	33,392.16	775.80
33 14 19 00-0233	EA	20" Gate Valve, Mechanical Joint	39,765.75	874.36
33 14 19 00-0234		Resilient Wedge Gate Valve, Mechanical Joint *(33 14 19 00-0198)*		
		Note: Mueller A-2360-20.		
33 14 19 00-0235	EA	2" Resilient Wedge Gate Valve, Mechanical Joint	1,202.81	114.80
33 14 19 00-0236	EA	3" Resilient Wedge Gate Valve, Mechanical Joint	1,622.41	174.08
33 14 19 00-0237	EA	4" Resilient Wedge Gate Valve, Mechanical Joint	1,916.73	229.59
33 14 19 00-0238	EA	6" Resilient Wedge Gate Valve, Mechanical Joint	2,425.70	269.48
33 14 19 00-0239	EA	8" Resilient Wedge Gate Valve, Mechanical Joint	3,582.00	323.37
33 14 19 00-0240	EA	10" Resilient Wedge Gate Valve, Mechanical Joint	5,316.06	377.27
33 14 19 00-0241	EA	12" Resilient Wedge Gate Valve, Mechanical Joint	6,670.96	452.72
33 14 19 00-0242		Resilient Wedge Gate Valve, Mechanical Joint X Flange Joint *(33 14 19 00-0198)*		
		Note: Mueller A-2361.		
33 14 19 00-0243	EA	14" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	10,587.17	1,017.44
33 14 19 00-0244	EA	16" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	11,505.56	1,119.19
33 14 19 00-0245	EA	18" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	18,091.58	1,241.28
33 14 19 00-0246	EA	20" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	21,618.17	1,398.99
33 14 19 00-0247	EA	24" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	30,786.80	1,716.94
33 14 19 00-0248		Gate Valve, Threaded, WW-V-51 Class A, Type 1 *(33 14 19 00-0198)*		
		Note: NIBCO T-113.		
33 14 19 00-0249	EA	1/4" Gate Valve, Bronze, Threaded	61.00	18.85
33 14 19 00-0250	EA	3/8" Gate Valve, Bronze, Threaded	62.78	18.85
33 14 19 00-0251	EA	1/2" Gate Valve, Bronze, Threaded	62.12	18.85
33 14 19 00-0252	EA	3/4" Gate Valve, Bronze, Threaded	79.92	25.46
33 14 19 00-0253	EA	1" Gate Valve, Bronze, Threaded	98.58	30.79
33 14 19 00-0254	EA	1-1/4" Gate Valve, Bronze, Threaded	134.18	38.98
33 14 19 00-0255	EA	1-1/2" Gate Valve, Bronze, Threaded	155.71	45.06
33 14 19 00-0256	EA	2" Gate Valve, Bronze, Threaded	189.03	52.68
33 14 19 00-0257	EA	2-1/2" Gate Valve, Bronze, Threaded	366.16	71.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0258	EA	3" Gate Valve, Bronze, Threaded	439.11	82.46
33 14 19 00-0259		**Cast Iron Body, Gate Valve, Epoxy Lined, Flanged, 200 Lb. With Non-Rising Stem** *(33 14 19 00-0198)* Note: Resilient Wedge, Non-rising Stem, 200 PSI, ANSI/AWWA C509, C550 and C111/A21.11 (Jenkins G-700, 701).		
33 14 19 00-0260	EA	2" Gate Valve, Cast Iron Body, Epoxy Lined, Epoxy Or Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	623.42	156.04
33 14 19 00-0261	EA	2-1/2" Gate Valve, Cast Iron Body, Epoxy Lined, Epoxy Or Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	645.28	156.29
33 14 19 00-0262	EA	3" Gate Valve, Cast Iron Body, Epoxy Lined, Epoxy Or Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	727.48	183.25
33 14 19 00-0263	EA	4" Gate Valve, Cast Iron Body, Epoxy Lined, Epoxy Or Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	925.92	307.20
33 14 19 00-0264	EA	5" Gate Valve, Cast Iron Body, Epoxy Lined, Epoxy Or Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	1,168.45	342.01
33 14 19 00-0265	EA	6" Gate Valve, Cast Iron Body, Epoxy Lined, Epoxy Or Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	1,429.80	380.02
33 14 19 00-0266	EA	8" Gate Valve, Cast Iron Body, Epoxy Lined, Epoxy Or Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	2,113.02	485.58
33 14 19 00-0267	EA	10" Gate Valve, Cast Iron Body, Epoxy Lined, Epoxy Or Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	2,989.26	591.14
33 14 19 00-0268	EA	12" Gate Valve, Cast Iron Body, Epoxy Lined, Epoxy Or Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	3,519.35	717.80
33 14 19 00-0269		**Cast Iron Body, Gate Valve, Epoxy Coated With Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem** *(33 14 19 00-0198)* Note: Resilient Wedge, OS&Y, 200 PSI, ANSI/AWWA C509, C550 and C111/A21.11.		
33 14 19 00-0270	EA	2-1/2" Gate Valve, Cast Iron Body, Epoxy Coated With Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	1,019.40	156.29
33 14 19 00-0271	EA	3" Gate Valve, Cast Iron Body, Epoxy Coated With Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	1,134.59	183.25
33 14 19 00-0272	EA	4" Gate Valve, Cast Iron Body, Epoxy Coated With Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	1,576.63	307.20
33 14 19 00-0273	EA	6" Gate Valve, Cast Iron Body, Epoxy Coated With Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	2,409.97	380.02
33 14 19 00-0274	EA	8" Gate Valve, Cast Iron Body, Epoxy Coated With Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	3,876.42	485.58
33 14 19 00-0275	EA	10" Gate Valve, Cast Iron Body, Epoxy Coated With Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	5,924.92	591.14
33 14 19 00-0276	EA	12" Gate Valve, Cast Iron Body, Epoxy Coated With Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	9,707.77	717.80
33 14 19 00-0277		**Ductile Body With Epoxy Coated Interior, Resilient Wedge Gate Valve** *(33 14 19 00-0198)*		
33 14 19 00-0278	EA	4", 250 PSI, Ductile Body With Epoxy Coated Interior, Resilient Wedge Gate Valve	1,396.82	229.59
33 14 19 00-0279	EA	6", 250 PSI, Ductile Body With Epoxy Coated Interior, Resilient Wedge Gate Valve	1,792.38	269.48
33 14 19 00-0280	EA	8", 250 PSI, Ductile Body With Epoxy Coated Interior, Resilient Wedge Gate Valve	2,605.46	323.37
33 14 19 00-0281	EA	10", 250 PSI, Ductile Body With Epoxy Coated Interior, Resilient Wedge Gate Valve	3,867.15	377.27
33 14 19 00-0282	EA	12", 250 PSI, Ductile Body With Epoxy Coated Interior, Resilient Wedge Gate Valve	4,663.47	452.72
33 14 19 00-0283	EA	14", 250 PSI, Ductile Body With Epoxy Coated Interior, Resilient Wedge Gate Valve	17,858.83	699.49
33 14 19 00-0284	EA	16", 250 PSI, Ductile Body With Epoxy Coated Interior, Resilient Wedge Gate Valve	19,418.64	1,119.19
33 14 19 00-0285		**Ductile Iron Body, Gate Valve (J & S Valve)** *(33 14 19 00-0198)*		
33 14 19 00-0286	EA	3" Non-Rising Stem (NRS), Flanged X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-5.6603.5)	1,071.36	174.62
33 14 19 00-0287	EA	3" Non-Rising Stem (NRS), Tapping Raised Face Flanged X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6603T.5)	1,071.36	174.62
33 14 19 00-0288	EA	4" Non-Rising Stem (NRS), Flanged X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-5.6604.5)	1,485.73	229.59
33 14 19 00-0289	EA	4" Non-Rising Stem (NRS), Tapping Raised Face Flanged X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6604T)	1,485.73	229.59
33 14 19 00-0290	EA	6" Non-Rising Stem (NRS), Flanged X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-5.6606.5)	1,882.90	269.48
33 14 19 00-0291	EA	6" Non-Rising Stem (NRS), Tapping Raised Face Flanged X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6606T)	1,882.90	269.48
33 14 19 00-0292	EA	8" Non-Rising Stem (NRS), Flanged X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-5.6608.5)	2,868.58	323.37
33 14 19 00-0293	EA	8" Non-Rising Stem (NRS), Tapping Raised Face Flanged X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6608T)	2,868.58	323.37
33 14 19 00-0294	EA	10" Non-Rising Stem (NRS), Flanged X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-5.6610.5)	4,173.68	377.27
33 14 19 00-0295	EA	10" Non-Rising Stem (NRS), Tapping Raised Face Flanged X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6610T)	4,173.68	377.27
33 14 19 00-0296	EA	12" Non-Rising Stem (NRS), Flanged X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-5.6612.5)	5,329.05	452.72
33 14 19 00-0297	EA	12" Non-Rising Stem (NRS), Tapping Raised Face Flanged X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV- 6612T)	5,329.05	452.72
33 14 19 00-0298	EA	3" Non-Rising Stem (NRS), Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-5.6803.5)	972.26	199.00
33 14 19 00-0299	EA	4" Non-Rising Stem (NRS), Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-5.6804.5)	1,525.20	249.33

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0300	EA	6" Non-Rising Stem (NRS), Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-5.6806.5)	1,929.23	292.64
33 14 19 00-0301	EA	8" Non-Rising Stem (NRS), Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-5.6808.5)	2,924.17	351.17
33 14 19 00-0302	EA	10" Non-Rising Stem (NRS), Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-5.6810.5)	4,238.54	409.69
33 14 19 00-0303	EA	12" Non-Rising Stem (NRS), Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-5.6812.5)	5,406.86	491.64
33 14 19 00-0304	EA	3" Non-Rising Stem (NRS), Mechanical Joint x Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-5.6903.5)	952.55	183.25
33 14 19 00-0305	EA	4" Non-Rising Stem (NRS), Mechanical Joint x Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-5.6904.5)	1,485.73	229.59
33 14 19 00-0306	EA	6" Non-Rising Stem (NRS), Mechanical Joint x Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-5.6906.5)	1,882.90	269.48
33 14 19 00-0307	EA	8" Non-Rising Stem (NRS), Mechanical Joint x Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-5.6908.5)	2,868.58	323.37
33 14 19 00-0308	EA	10" Non-Rising Stem (NRS), Mechanical Joint x Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-5.6910.5)	4,173.68	377.27
33 14 19 00-0309	EA	12" Non-Rising Stem (NRS), Mechanical Joint x Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-5.6912.5)	5,329.05	452.72
33 14 19 00-0310	EA	2" Threaded, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6302)	829.62	52.68
33 14 19 00-0311	EA	2-1/2" Threaded, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-6302.5)	879.27	78.43
33 14 19 00-0312	EA	3" Threaded, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6303)	903.29	90.13
33 14 19 00-0313	EA	4" Non-Rising Stem (NRS), Push On X Flange, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6404)	1,411.52	307.20
33 14 19 00-0314	EA	6" Non-Rising Stem (NRS), Push On X Flange, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6406)	1,820.67	380.02
33 14 19 00-0315	EA	8" Non-Rising Stem (NRS), Push On X Flange, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6408)	2,825.04	485.58
33 14 19 00-0316	EA	10" Non-Rising Stem (NRS), Push On X Flange, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6410)	4,158.07	591.14
33 14 19 00-0317	EA	12" Non-Rising Stem (NRS), Push On X Flange, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6412)	5,319.26	717.80
33 14 19 00-0318	EA	4" Non-Rising Stem (NRS), Push On X Push On, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut, (J & S Valve GV-6504)	1,403.54	300.85
33 14 19 00-0319	EA	6" Non-Rising Stem (NRS), Push On X Push On, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut, (J & S Valve GV-6506)	1,820.67	380.02
33 14 19 00-0320	EA	8" Non-Rising Stem (NRS), Push On X Push On, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut, (J & S Valve GV-6508)	2,825.04	485.58
33 14 19 00-0321	EA	10" Non-Rising Stem (NRS), Push On X Push On, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut, (J & S Valve GV-6510)	4,158.07	591.14
33 14 19 00-0322	EA	12" Non-Rising Stem (NRS), Push On X Push On, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut, (J & S Valve GV-6512)	5,319.26	717.80
33 14 19 00-0323	EA	2" Non-Rising Stem (NRS), Flange X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6602)	677.24	155.68
33 14 19 00-0324	EA	3" Non-Rising Stem (NRS), Flange X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6603)	972.26	199.00
33 14 19 00-0325	EA	3" Non-Rising Stem (NRS), Tapping Raised Face Flange X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6603T)	952.55	183.25
33 14 19 00-0326	EA	4" Non-Rising Stem (NRS), Flange x Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6604)	1,485.73	229.59
33 14 19 00-0327	EA	4" Non-Rising Stem (NRS), Tapping Raised Face Flange X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6604T)	1,485.73	229.59
33 14 19 00-0328	EA	6" Non-Rising Stem (NRS), Flange X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6606)	1,882.90	269.48
33 14 19 00-0329	EA	6" Non-Rising Stem (NRS), Tapping Raised Face Flange X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6606T)	1,882.90	269.48
33 14 19 00-0330	EA	8" Non-Rising Stem (NRS), Flange X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6608)	2,868.58	323.37
33 14 19 00-0331	EA	8" Non-Rising Stem (NRS), Tapping Raised Face Flange X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6608T)	2,868.58	323.37
33 14 19 00-0332	EA	10" Non-Rising Stem (NRS), Flange X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6610)	4,173.68	377.27
33 14 19 00-0333	EA	10" Non-Rising Stem (NRS), Tapping Raised Face Flange X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6610T)	4,173.68	377.27
33 14 19 00-0334	EA	12" Non-Rising Stem (NRS), Flange X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6612)	5,329.05	452.72
33 14 19 00-0335	EA	12" Non-Rising Stem (NRS), Tapping Raised Face Flange X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6612T)	5,329.05	452.72
33 14 19 00-0336	EA	14" Non-Rising Stem (NRS), Flange X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6614)	12,810.92	1,017.44
33 14 19 00-0337	EA	16" Non-Rising Stem (NRS), Flange X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6616)	17,345.64	1,119.19
33 14 19 00-0338	EA	18" Non-Rising Stem (NRS), Flange X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With Bevel Gear And 2" Nut (J & S Valve GV-6618)	29,349.42	1,241.28
33 14 19 00-0339	EA	20" Non-Rising Stem (NRS), Flange X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With Bevel Gear And 2" Nut (J & S Valve GV-6620)	35,747.35	1,398.99
33 14 19 00-0340	EA	24" Non-Rising Stem (NRS), Flange X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With Bevel Gear And 2" Nut (J & S Valve GV-6624)	46,245.53	1,716.94
33 14 19 00-0341	EA	2" Outside Stem And Yoke, Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-6702)	978.57	155.68
33 14 19 00-0342	EA	2-1/2" Outside Stem And Yoke, Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-6702.5)	1,044.51	169.73

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0343	EA	3" Outside Stem And Yoke, Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-6703)	1,080.74	199.00
33 14 19 00-0344	EA	4" Outside Stem And Yoke, Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-6704)	1,608.27	229.59
33 14 19 00-0345	EA	5" Outside Stem And Yoke, Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-6705)	2,346.04	247.92
33 14 19 00-0346	EA	6" Outside Stem And Yoke, Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-6706)	2,389.15	269.48
33 14 19 00-0347	EA	8" Outside Stem And Yoke, Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-6708)	3,165.90	323.37
33 14 19 00-0348	EA	10" Outside Stem And Yoke, Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-6710)	5,188.17	377.27
33 14 19 00-0349	EA	12" Outside Stem And Yoke, Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-6712)	5,708.73	452.72
33 14 19 00-0350	EA	14" Outside Stem And Yoke, Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-6714)	14,474.29	1,017.44
33 14 19 00-0351	EA	16" Outside Stem And Yoke, Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-6716)	19,718.15	1,119.19
33 14 19 00-0352	EA	18" Outside Stem And Yoke, Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Bevel Gear And Handwheel (J & S Valve GV-6718)	31,406.54	1,241.28
33 14 19 00-0353	EA	20" Outside Stem And Yoke, Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Bevel Gear And Handwheel (J & S Valve GV-6720)	40,735.45	1,398.99
33 14 19 00-0354	EA	24" Outside Stem And Yoke, Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Bevel Gear And Handwheel (J & S Valve GV-6724)	52,816.64	1,716.94
33 14 19 00-0355	EA	2-1/2" Non-Rising Stem (NRS), Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-6802.5)	743.18	169.73
33 14 19 00-0356	EA	3" Non-Rising Stem (NRS), Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-6803)	972.26	199.00
33 14 19 00-0357	EA	4" Non-Rising Stem (NRS), Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-6804)	1,485.73	229.59
33 14 19 00-0358	EA	5" Non-Rising Stem (NRS), Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-6805)	1,839.79	247.92
33 14 19 00-0359	EA	6" Non-Rising Stem (NRS), Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-6806)	1,882.90	269.48
33 14 19 00-0360	EA	8" Non-Rising Stem (NRS), Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-6808)	2,868.58	323.37
33 14 19 00-0361	EA	10" Non-Rising Stem (NRS), Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-6810)	4,173.68	377.27
33 14 19 00-0362	EA	12" Non-Rising Stem (NRS), Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-6812)	5,329.05	452.72
33 14 19 00-0363	EA	14" Non-Rising Stem (NRS), Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-6814)	12,810.92	1,017.44
33 14 19 00-0364	EA	16" Non-Rising Stem (NRS), Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Handwheel (J & S Valve GV-6816)	17,345.64	1,119.19
33 14 19 00-0365	EA	18" Non-Rising Stem (NRS), Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Bevel Gear And Handwheel (J & S Valve GV-6818)	29,349.42	1,241.28
33 14 19 00-0366	EA	20" Non-Rising Stem (NRS), Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Bevel Gear And Handwheel (J & S Valve GV-6820)	35,747.35	1,398.99
33 14 19 00-0367	EA	24" Non-Rising Stem (NRS), Flanged, Resilient Seated, Ductile Iron Body, Gate Valve With Bevel Gear And Handwheel (J & S Valve GV-6824)	46,245.53	1,716.94
33 14 19 00-0368	EA	2" Non-Rising Stem (NRS), Mechanical Joint X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6902)	677.24	155.68
33 14 19 00-0369	EA	2-1/2" Non-Rising Stem (NRS), Mechanical Joint X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6902.5)	743.18	169.73
33 14 19 00-0370	EA	3" Non-Rising Stem (NRS), Mechanical Joint X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6903)	972.26	199.00
33 14 19 00-0371	EA	4" Non-Rising Stem (NRS), Mechanical Joint X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6904)	1,485.73	229.59
33 14 19 00-0372	EA	6" Non-Rising Stem (NRS), Mechanical Joint X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6906)	1,882.90	269.48
33 14 19 00-0373	EA	8" Non-Rising Stem (NRS), Mechanical Joint X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6908)	2,868.58	323.37
33 14 19 00-0374	EA	10" Non-Rising Stem (NRS), Mechanical Joint X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6910)	4,173.68	377.27
33 14 19 00-0375	EA	12" Non-Rising Stem (NRS), Mechanical Joint X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6912)	5,329.05	452.72
33 14 19 00-0376	EA	14" Non-Rising Stem (NRS), Mechanical Joint X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6914)	12,810.92	1,017.44
33 14 19 00-0377	EA	16" Non-Rising Stem (NRS), Mechanical Joint X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve GV-6916)	17,345.64	1,119.19
33 14 19 00-0378	EA	18" Non-Rising Stem (NRS), Mechanical Joint X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With Bevel Gear And 2" Nut (J & S Valve GV-6918)	29,349.42	1,241.28
33 14 19 00-0379	EA	20" Non-Rising Stem (NRS), Mechanical Joint X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With Bevel Gear And 2" Nut (J & S Valve GV-6920)	35,747.35	1,398.99
33 14 19 00-0380	EA	24" Non-Rising Stem (NRS), Mechanical Joint X Mechanical Joint, Resilient Seated, Ductile Iron Body, Gate Valve With Bevel Gear And 2" Nut (J & S Valve GV-6924)	46,245.53	1,716.94
33 14 19 00-0381	EA	2" Outside Stem And Yoke, Metal Seated, Ductile Iron Body, Gate Valve With Handwheel (J&S Valve MSGV-3702)	1,066.96	155.68
33 14 19 00-0382	EA	3" Outside Stem And Yoke, Metal Seated, Ductile Iron Body, Gate Valve With Handwheel (J&S Valve MSGV-3703)	1,364.00	199.00
33 14 19 00-0383	EA	4" Outside Stem And Yoke, Metal Seated, Ductile Iron Body, Gate Valve With Handwheel (J&S Valve MSGV-3704)	2,038.18	229.59
33 14 19 00-0384	EA	6" Outside Stem And Yoke, Metal Seated, Ductile Iron Body, Gate Valve With Handwheel (J&S Valve MSGV-3706)	2,632.22	269.48

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0385	EA	8" Outside Stem And Yoke, Metal Seated, Ductile Iron Body, Gate Valve With Handwheel (J&S Valve MSGV-3708)	4,381.29	323.37
33 14 19 00-0386	EA	10" Outside Stem And Yoke, Metal Seated, Ductile Iron Body, Gate Valve With Handwheel (J&S Valve MSGV-3710)	6,660.70	377.27
33 14 19 00-0387	EA	12" Outside Stem And Yoke, Metal Seated, Ductile Iron Body, Gate Valve With Handwheel (J&S Valve MSGV-3712)	8,468.96	452.72
33 14 19 00-0388	EA	14" Outside Stem And Yoke, Metal Seated, Ductile Iron Body, Gate Valve With Handwheel (J&S Valve MSGV-3714)	23,289.34	1,017.44
33 14 19 00-0389	EA	16" Outside Stem And Yoke, Metal Seated, Ductile Iron Body, Gate Valve With Handwheel (J&S Valve MSGV-3716)	31,946.32	1,119.19
33 14 19 00-0390	EA	18" Outside Stem And Yoke, Rotary Tribo-Electrostatic Seperator (RTS), By-Pass, Metal Seated, Ductile Iron Body, Gate Valve With Bevel Gear And Handwheel (J&S Valve MSGV-3718)	49,994.89	1,241.28
33 14 19 00-0391	EA	20" Outside Stem And Yoke, Rotary Tribo-Electrostatic Seperator (RTS), By-Pass, Metal Seated, Ductile Iron Body, Gate Valve With Bevel Gear And Handwheel (J&S Valve MSGV-3720)	65,501.17	1,398.99
33 14 19 00-0392	EA	24" Outside Stem And Yoke, Rotary Tribo-Electrostatic Seperator (RTS), By-Pass, Metal Seated, Ductile Iron Body, Gate Valve With Bevel Gear And Handwheel (J&S Valve MSGV-3724)	89,133.54	1,716.94
33 14 19 00-0393	EA	2" Non-Rising Stem (NRS), Flanged, Metal Seated, Ductile Iron Body, Flange, Gate Valve With Handwheel (J&S Valve MSGV-3802)	1,034.82	155.68
33 14 19 00-0394	EA	2-1/2" Non-Rising Stem (NRS), Flanged, Metal Seated, Ductile Iron Body, Flange, Gate Valve With Handwheel (J&S Valve MSGV-3802.5)	1,265.49	169.73
33 14 19 00-0395	EA	3" Non-Rising Stem (NRS), Flanged, Metal Seated, Ductile Iron Body, Flange, Gate Valve With Handwheel (J&S Valve MSGV-3803)	1,301.72	199.00
33 14 19 00-0396	EA	4" Non-Rising Stem (NRS), Flanged, Metal Seated, Ductile Iron Body, Flange, Gate Valve With Handwheel (J&S Valve MSGV-3804)	1,947.77	229.59
33 14 19 00-0397	EA	6" Non-Rising Stem (NRS), Flanged, Metal Seated, Ductile Iron Body, Flange, Gate Valve With Handwheel (J&S Valve MSGV-3806)	2,513.70	269.48
33 14 19 00-0398	EA	8" Non-Rising Stem (NRS), Flanged, Metal Seated, Ductile Iron Body, Flange, Gate Valve With Handwheel (J&S Valve MSGV-3808)	4,170.35	323.37
33 14 19 00-0399	EA	10" Non-Rising Stem (NRS), Flanged, Metal Seated, Ductile Iron Body, Flange, Gate Valve With Handwheel (J&S Valve MSGV-3810)	6,327.22	377.27
33 14 19 00-0400	EA	12" Non-Rising Stem (NRS), Flanged, Metal Seated, Ductile Iron Body, Flange, Gate Valve With Handwheel (J&S Valve MSGV-3812)	8,045.08	452.72
33 14 19 00-0401	EA	14"Non-Rising Stem (NRS), Flanged, Metal Seated, Ductile Iron Body, Flange, Gate Valve With Handwheel (J&S Valve MSGV-3814)	22,045.83	1,017.44
33 14 19 00-0402	EA	16" Non-Rising Stem (NRS), Flanged, Metal Seated, Ductile Iron Body, Flange, Gate Valve With Handwheel (J&S Valve MSGV-3816)	31,735.39	1,119.19
33 14 19 00-0403	EA	18" Non-Rising Stem (NRS), Flanged, Metal Seated Gate Valve, Ductile Iron Body, Gate Valve With Bevel Gear, Handwheel, Rotary Tribo-Electrostatic Seperator (RTS), And 3" By-Pass With Handwheel (J & S Valve MSGV-3818)	48,771.47	1,241.28
33 14 19 00-0404	EA	20" Non-Rising Stem (NRS), Flanged, Metal Seated Gate Valve, Ductile Iron Body, Gate Valve With Bevel Gear, Handwheel, Rotary Tribo-Electrostatic Seperator (RTS), And 3" By-Pass With Handwheel (J & S Valve MSGV-3820)	63,411.92	1,398.99
33 14 19 00-0405	EA	24" Non-Rising Stem (NRS), Flanged, Metal Seated Gate Valve, Ductile Iron Body, Gate Valve With Bevel Gear, Handwheel, Rotary Tribo-Electrostatic Seperator (RTS), And 3" By-Pass With Handwheel (J & S Valve MSGV-3824)	85,728.45	1,716.94
33 14 19 00-0406	EA	3" Non-Rising Stem (NRS), Mechanical Joint X Mechanical Joint, Metal Seated, Gate Valve, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve MSGV-3903)	1,301.72	199.00
33 14 19 00-0407	EA	4" Non-Rising Stem (NRS), Mechanical Joint X Mechanical Joint, Metal Seated, Gate Valve, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve MSGV-3904)	1,947.77	229.59
33 14 19 00-0408	EA	6" Non-Rising Stem (NRS), Mechanical Joint X Mechanical Joint, Metal Seated, Gate Valve, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve MSGV-3906)	2,513.70	269.48
33 14 19 00-0409	EA	8" Non-Rising Stem (NRS), Mechanical Joint X Mechanical Joint, Metal Seated, Gate Valve, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve MSGV-3908)	4,170.35	323.37
33 14 19 00-0410	EA	10" Non-Rising Stem (NRS), Mechanical Joint X Mechanical Joint, Metal Seated, Gate Valve, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve MSGV-3910)	6,327.22	377.27
33 14 19 00-0411	EA	12" Non-Rising Stem (NRS), Mechanical Joint X Mechanical Joint, Metal Seated, Gate Valve, Ductile Iron Body, Gate Valve With 2" Nut (J & S Valve MSGV-3912)	8,045.08	452.72

33 14 19 00-0412 Plug Valves *(33 14 19 00-0006)*

33 14 19 00-0413 Ductile Iron Body, Plug Valve (J & S Valve) *(33 14 19 00-0412)*

33 14 19 00-0414	EA	3" Stainless Steel, Flanged, Metal Seated, 316 To Nitronic 60 Stainless Steel Seating, Ductile Iron Body, Plug Valve With Worm Gear And Handwheel (J&S Valve PV-4803)	1,601.43	183.25
33 14 19 00-0415	EA	4" Stainless Steel, Flanged, Metal Seated, 316 To Nitronic 60 Stainless Steel Seating, Ductile Iron Body, Plug Valve With Worm Gear And Handwheel (J&S Valve PV-4804)	1,869.55	307.20
33 14 19 00-0416	EA	6" Stainless Steel, Flanged, Metal Seated, 316 To Nitronic 60 Stainless Steel Seating, Ductile Iron Body, Plug Valve With Worm Gear And Handwheel (J&S Valve PV-4806)	2,565.98	380.02
33 14 19 00-0417	EA	8" Stainless Steel, Flanged, Metal Seated, 316 To Nitronic 60 Stainless Steel Seating, Ductile Iron Body, Plug Valve With Worm Gear And Handwheel (J&S Valve PV-4808)	3,929.91	485.58
33 14 19 00-0418	EA	10" Stainless Steel, Flanged, Metal Seated, 316 To Nitronic 60 Stainless Steel Seating, Ductile Iron Body, Plug Valve With Worm Gear And Handwheel (J&S Valve PV-4810)	6,657.14	591.14
33 14 19 00-0419	EA	12" Stainless Steel, Flanged, Metal Seated, 316 To Nitronic 60 Stainless Steel Seating, Ductile Iron Body, Plug Valve With Worm Gear And Handwheel (J&S Valve PV-4812)	9,234.59	717.80
33 14 19 00-0420	EA	14" Stainless Steel, Flanged, Metal Seated, 316 To Nitronic 60 Stainless Steel Seating, Ductile Iron Body, Plug Valve With Worm Gear And Handwheel (J&S Valve PV-4814)	14,516.48	1,017.44
33 14 19 00-0421	EA	16"Stainless Steel, Flanged, Metal Seated, 316 To Nitronic 60 Stainless Steel Seating, Ductile Iron Body, Plug Valve With Worm Gear And Handwheel (J&S Valve PV-4816)	19,621.72	1,119.19
33 14 19 00-0422	EA	18" Stainless Steel, Flanged, Metal Seated, 316 To Nitronic 60 Stainless Steel Seating, Ductile Iron Body, Plug Valve With Worm Gear And Handwheel (J&S Valve PV-4818)	28,825.10	1,241.28
33 14 19 00-0423	EA	20" Stainless Steel, Flanged, Metal Seated, 316 To Nitronic 60 Stainless Steel Seating, Ductile Iron Body, Plug Valve With Worm Gear And Handwheel (J&S Valve PV-4820)	41,916.69	1,398.99
33 14 19 00-0424	EA	24" Stainless Steel, Flanged, Metal Seated, 316 To Nitronic 60 Stainless Steel Seating, Ductile Iron Body, Plug Valve With Worm Gear And Handwheel (J&S Valve PV-4824)	69,699.44	1,716.94

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0425	EA	30" Stainless Steel, Flanged, Metal Seated, 316 To Nitronic 60 Stainless Steel Seating, Ductile Iron Body, Plug Valve With Worm Gear And Handwheel (J&S Valve PV-4830)	133,340.70	2,797.97
33 14 19 00-0426	EA	36" Stainless Steel, Flanged, Metal Seated, 316 To Nitronic 60 Stainless Steel Seating, Ductile Iron Body, Plug Valve With Worm Gear And Handwheel (J&S Valve PV-4836)	168,083.28	3,815.41
33 14 19 00-0427		**Globe Valve, AWWA** *(33 14 19 00-0006)*		
33 14 19 00-0428		**Globe Valve, Threaded, WW-V-51 Class B, Type 1** *(33 14 19 00-0427)* Note: NIBCO T-235.		
33 14 19 00-0429	EA	1/8" Globe Valve, Threaded	86.63	18.85
33 14 19 00-0430	EA	1/4" Globe Valve, Threaded	83.02	18.85
33 14 19 00-0431	EA	3/8" Globe Valve, Threaded	84.80	18.85
33 14 19 00-0432	EA	1/2" Globe Valve, Threaded	86.63	18.85
33 14 19 00-0433	EA	3/4" Globe Valve, Threaded	117.64	25.46
33 14 19 00-0434	EA	1" Globe Valve, Threaded	165.37	30.79
33 14 19 00-0435	EA	1-1/4" Globe Valve, Threaded	242.14	38.98
33 14 19 00-0436	EA	1-1/2" Globe Valve, Threaded	289.16	45.06
33 14 19 00-0437	EA	2" Globe Valve, Threaded	404.05	52.68
33 14 19 00-0438	EA	2-1/2" Globe Valve, Threaded	743.21	71.90
33 14 19 00-0439	EA	3" Globe Valve, Threaded	1,018.46	82.89
33 14 19 00-0440		**Tapping Valve, AWWA C500 And C509** *(33 14 19 00-0006)*		
33 14 19 00-0441		**Tapping Valve, AWWA C500 And C509** *(33 14 19 00-0440)* Note: Flanged inlet X mechanical joint, Mueller H-667.		
33 14 19 00-0442	EA	2" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	1,571.38	143.68
33 14 19 00-0443	EA	3" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	2,025.77	183.25
33 14 19 00-0444	EA	4" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	2,388.59	229.59
33 14 19 00-0445	EA	6" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	3,161.21	388.05
33 14 19 00-0446	EA	8" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	4,582.17	495.84
33 14 19 00-0447	EA	10" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	6,692.71	603.63
33 14 19 00-0448	EA	12" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	9,981.06	452.72
33 14 19 00-0449	EA	14" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	18,409.64	1,017.44
33 14 19 00-0450	EA	16" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	23,348.15	1,119.19
33 14 19 00-0451	EA	18" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	37,974.12	1,241.28
33 14 19 00-0452		**Ball Meter Valves** *(33 14 19 00-0006)*		
33 14 19 00-0453	EA	3/4" Ball Meter Valve (Ford B43-342W) Note: 1" service line size. Pack joint for copper or plastic tubing inlet by meter swivel nut.	141.01	29.27
33 14 19 00-0454	EA	1" Ball Meter Valve (Ford B43-444W) Note: 1" service line size. Pack joint for copper or plastic tubing inlet by meter swivel nut.	153.21	31.02
33 14 19 00-0455	EA	1-1/2" Ball Meter Valve (Ford BF43-666W) Note: 1-1/2" service line size. Pack joint for copper or plastic tubing inlet by meter flange.	293.03	52.68
33 14 19 00-0456	EA	2" Ball Meter Valve (Ford BF43-777W) Note: 2" service line size. Pack joint for copper or plastic tubing inlet by meter flange.	410.06	53.26
33 14 19 00-0457	EA	3/4" Threaded Ball Meter Valve (Mueller B-20200)	143.90	29.27
33 14 19 00-0458	EA	1" Threaded Ball Meter Valve (Mueller B-20200)	192.39	31.02
33 14 19 00-0459	EA	1-1/2" Threaded Ball Meter Valve (Mueller B-20200)	347.36	52.68
33 14 19 00-0460	EA	2" Threaded Ball Meter Valve (Mueller B-20200)	458.78	53.26
33 14 19 00-0461	EA	3/4", 150 PSI, Ball Valve (Ford B13-332W)	178.66	29.27
33 14 19 00-0462	EA	1", 150 PSI, Ball Valve (Ford B13-444W)	291.17	31.02
33 14 19 00-0463	EA	1-1/2", 150 PSI, Ball Valve (Ford B13-666W)	669.71	52.68
33 14 19 00-0464	EA	2", 150 PSI, Ball Valve (Ford B13-777W)	909.70	53.26
33 14 19 00-0465	EA	1" Bronze Angle Meter Stop With 90 Degree Lock Wing, Compression x Outlet Swivel Meter Nut (Mueller B-2458N)	314.56	35.12
33 14 19 00-0466	EA	1" Bronze Angle Meter Stop With 90 Degree Lock Wing, Flare x Outlet Swivel Meter Nut (Mueller B-2455N	306.39	35.12
33 14 19 00-0467	EA	2" Bronze Angle Meter Stop With 90 Degree Lock Wing, Compression x Outlet Meter Flange (Mueller B-24276N	757.15	53.84
33 14 19 00-0468	EA	1" Bronze Angle Meter Stop With 90 Degree Lock Wing, Flare x Outlet Meter Flange (Mueller B-24277N)	306.39	35.12
33 14 19 00-0469	EA	3/4" Bronze Shut-Off Valve, Inlet Swivel Meter Nut x Outlet FIP Thread, Lockable Tabs With Lever Handle (Mueller B-24351)	182.97	25.75
33 14 19 00-0470	EA	1" Bronze Shut-Off Valve, Inlet Swivel Meter Nut x Outlet FIP Thread, Lockable Tabs With Lever Handle (Mueller B-24351)	258.32	30.44
33 14 19 00-0471	EA	1-1/2" Bronze Shut-Off Valve, Inlet Meter Flange x Outlet FIP Thread, Lockable Tabs With Lever Handle (Mueller B-24337)	431.81	44.48
33 14 19 00-0472	EA	2" Bronze Shut-Off Valve, Inlet Meter Flange x Outlet FIP Thread, Lockable Tabs With Lever Handle (Mueller B-24337)	699.19	52.68
33 14 19 00-0473		**Yokes And Angles** *(33 14 19 00-0006)*		
33 14 19 00-0474		**Yoke, Meter** *(33 14 19 00-0473)*		
33 14 19 00-0475	EA	Yoke, Meter, 5/8"	55.15	17.56
33 14 19 00-0476	EA	Yoke, Meter, 3/4"	62.53	19.31
33 14 19 00-0477	EA	Yoke, Meter, 1"	81.79	22.24
33 14 19 00-0478		**Angles And Ells** *(33 14 19 00-0473)*		
33 14 19 00-0479	EA	1-1/2" Flanged Angle, ELL	136.80	12.29
33 14 19 00-0480	EA	ELL, Yoke, With Female I.P.T.	40.82	10.53

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0481		Air Release and Vacuum Combination Valves *(33 14 19 00-0006)*		
33 14 19 00-0482		Air Release and Vacuum Combination Valves, Ductile Iron Body (APCo or Crispin) *(33 14 19 00-0481)*		
33 14 19 00-0483	EA	1" Threaded, Air Release and Vacuum Combination Valves, Ductile Iron Body	701.25	22.63
33 14 19 00-0484	EA	1-1/2" Threaded, Air Release and Vacuum Combination Valves, Ductile Iron Body	885.98	31.26
33 14 19 00-0485	EA	2" Threaded, Air Release and Vacuum Combination Valves, Ductile Iron Body	1,069.64	39.34
33 14 19 00-0486	EA	2-1/2" Threaded, Air Release and Vacuum Combination Valves, Ductile Iron Body	1,426.73	53.90
33 14 19 00-0487	EA	3" Threaded, Air Release and Vacuum Combination Valves, Ductile Iron Body	1,778.98	65.76
33 14 19 00-0488	EA	4" Flanged, Air Release and Vacuum Combination Valves, Ductile Iron Body	2,733.36	179.58
33 14 19 00-0489	EA	6" Flanged, Air Release and Vacuum Combination Valves, Ductile Iron Body	3,420.15	194.72
33 14 19 00-0490		Air Release and Vacuum Combination Valves, Ductile Iron Body (A.R.I. Flow Control Accessories, Ltd., D-040-C "Barak") *(33 14 19 00-0481)*		
33 14 19 00-0491	EA	1" Threaded, Air Release and Vacuum Combination Valves, Ductile Iron Body (A.R.I. Flow Control Accessories D-040-C "Barak")	359.30	22.63
33 14 19 00-0492	EA	1-1/2" Threaded, Air Release and Vacuum Combination Valves, Ductile Iron Body (A.R.I. Flow Control Accessories D-040-C "Barak")	594.28	31.26
33 14 19 00-0493	EA	2" Threaded, Air Release and Vacuum Combination Valves, Ductile Iron Body (A.R.I. Flow Control Accessories D-040-C "Barak")	828.18	38.80
33 14 19 00-0494	EA	2-1/2" Threaded, Air Release and Vacuum Combination Valves, Ductile Iron Body (A.R.I. Flow Control Accessories D-040-C "Barak")	1,209.21	53.90
33 14 19 00-0495	EA	3" Threaded, Air Release and Vacuum Combination Valves, Ductile Iron Body (A.R.I. Flow Control Accessories D-040-C "Barak")	1,584.88	65.76
33 14 19 00-0496		Pressure Reducing Valves *(33 14 19 00-0006)*		
33 14 19 00-0497		Pressure Reducing Valves, Ductile Iron Body (Cla-Val Model 100-42 700 Series Roll Seal) *(33 14 19 00-0496)*		
33 14 19 00-0498	EA	2" Pressure Reducing Valves, Ductile Iron Body (Cal-Val Model 100-42 700 Series Roll Seal)	2,345.47	114.80
33 14 19 00-0499	EA	2-1/2" Pressure Reducing Valves, Ductile Iron Body (Cal-Val Model 100-42 700 Series Roll Seal)	2,700.50	143.90
33 14 19 00-0500	EA	3" Pressure Reducing Valves, Ductile Iron Body (Cal-Val Model 100-42 700 Series Roll Seal)	3,057.67	172.47
33 14 19 00-0501	EA	4" Pressure Reducing Valves, Ductile Iron Body (Cal-Val Model 100-42 700 Series Roll Seal)	4,882.61	229.59
33 14 19 00-0502	EA	6" Pressure Reducing Valves, Ductile Iron Body (Cal-Val Model 100-42 700 Series Roll Seal)	7,307.16	269.48
33 14 19 00-0503	EA	8" Pressure Reducing Valves, Ductile Iron Body (Cal-Val Model 100-42 700 Series Roll Seal)	12,445.05	323.37
33 14 19 00-0504	EA	10" Pressure Reducing Valves, Ductile Iron Body (Cal-Val Model 100-42 700 Series Roll Seal)	23,299.73	377.27
33 14 19 00-0505	EA	12" Pressure Reducing Valves, Ductile Iron Body (Cal-Val Model 100-42 700 Series Roll Seal)	29,193.50	452.72
33 14 19 00-0506		Pressure Reducing Valves (Cla-Val Model 90-01) *(33 14 19 00-0496)*		
33 14 19 00-0507	EA	1-1/4" Threaded, Pressure Reducing Valve (Cal-Val 90-01)	1,662.49	38.98
33 14 19 00-0508	EA	1-1/2" Threaded, Pressure Reducing Valve (Cal-Val 90-01)	1,674.49	45.06
33 14 19 00-0509	EA	2" Threaded, Pressure Reducing Valve (Cal-Val 90-01)	1,985.91	52.68
33 14 19 00-0510	EA	2-1/2" Threaded, Pressure Reducing Valve (Cal-Val 90-01)	2,326.68	71.90
33 14 19 00-0511	EA	3" Threaded, Pressure Reducing Valve (Cal-Val 90-01)	2,575.64	80.85
33 14 19 00-0512	EA	1-1/2" Flanged, Pressure Reducing Valve (Cal-Val 90-01)	3,452.25	90.98
33 14 19 00-0513	EA	2" Flanged, Pressure Reducing Valve (Cal-Val 90-01)	3,960.45	114.80
33 14 19 00-0514	EA	2-1/2" Flanged, Pressure Reducing Valve (Cal-Val 90-01)	4,140.56	143.90
33 14 19 00-0515	EA	3" Flanged, Pressure Reducing Valve (Cal-Val 90-01)	4,260.46	172.47
33 14 19 00-0516	EA	4" Flanged, Pressure Reducing Valve (Cal-Val 90-01)	5,133.15	229.59
33 14 19 00-0517	EA	6" Flanged, Pressure Reducing Valve (Cal-Val 90-01)	8,226.05	269.48
33 14 19 00-0518	EA	8" Flanged, Pressure Reducing Valve (Cal-Val 90-01)	11,346.98	323.37
33 14 19 00-0519		Booster Pump Control Valves *(33 14 19 00-0006)*		
33 14 19 00-0520		Pump Control Valves, Ductile Iron Body (Cla-Val Model 60-08/660-08) *(33 14 19 00-0519)*		
33 14 19 00-0521	EA	2" Pump Control Valves, Ductile Iron Body (Cal-Val Model 60-08/660-08)	7,917.11	114.80
33 14 19 00-0522	EA	2-1/2" Pump Control Valves, Ductile Iron Body (Cal-Val Model 60-08/660-08)	8,582.92	143.90
33 14 19 00-0523	EA	3" Pump Control Valves, Ductile Iron Body (Cal-Val Model 60-08/660-08)	9,250.87	172.47
33 14 19 00-0524	EA	4" Pump Control Valves, Ductile Iron Body (Cal-Val Model 60-08/660-08)	10,874.83	229.59
33 14 19 00-0525	EA	6" Pump Control Valves, Ductile Iron Body (Cal-Val Model 60-08/660-08)	13,351.48	269.48
33 14 19 00-0526	EA	8" Pump Control Valves, Ductile Iron Body (Cal-Val Model 60-08/660-08)	18,947.16	323.37
33 14 19 00-0527	EA	10" Pump Control Valves, Ductile Iron Body (Cal-Val Model 60-08/660-08)	24,743.82	377.27
33 14 19 00-0528	EA	12" Pump Control Valves, Ductile Iron Body (Cal-Val Model 60-08/660-08)	39,947.83	452.72
33 14 19 00-0529	EA	14" Pump Control Valves, Ductile Iron Body (Cal-Val Model 60-08/660-08)	65,018.69	623.18
33 14 19 00-0530	EA	16" Pump Control Valves, Ductile Iron Body (Cal-Val Model 60-08/660-08)	74,544.84	699.49
33 14 19 00-0531	EA	18" Pump Control Valves, Ductile Iron Body (Cal-Val Model 60-08/660-08)	57,430.54	775.80
33 14 19 00-0532	EA	20" Pump Control Valves, Ductile Iron Body (Cal-Val Model 60-08/660-08)	59,020.82	874.36
33 14 19 00-0533		Water Service Meter Accessories *(33 14 19 00-0006)*		
33 14 19 00-0534	EA	Bronge Meter Flange With Gasket For 1-1/2" And 2" Meters (AY McDonald 610F)	186.21	30.44
33 14 19 00-0535	EA	3/4" Bronze Ball Valve, FIP x Meter Swivel, With Locking Tabs (A.Y. McDonald 76101W)	203.05	24.59
33 14 19 00-0536	EA	1" Bronze BallValve, FIP x Meter Swivel, With Locking Tabs (A.Y. McDonald 76101W)	305.28	30.44
33 14 19 00-0537	EA	1-1/2" Bronze BallValve, FIP x Meter Swivel, With Locking Tabs (A.Y. McDonald 76101W)	478.06	44.48

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0538	EA	2" Bronze BallValve, FIP x Meter Swivel, With Locking Tabs (A.Y. McDonald 76101W)	741.70	52.68
33 14 19 00-0539		**Fire Hydrants** *(33 14 19)*		
		Note: Breakaway type. See CSI section 32 17 23 23-0000 for raised pavement marker.		
33 14 19 00-0540		**Three Way, Standard (Traditional) Model Fire Hydrant** *(33 14 19 00-0539)*		
		Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0541	EA	1-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,732.65	295.56
33 14 19 00-0542	EA	2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,802.32	295.56
33 14 19 00-0543	EA	2-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,872.18	295.56
33 14 19 00-0544	EA	3' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,962.82	316.68
33 14 19 00-0545	EA	3-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,032.56	316.68
33 14 19 00-0546	EA	4' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,128.76	343.07
33 14 19 00-0547	EA	4-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,198.40	343.07
33 14 19 00-0548	EA	5' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,294.62	369.46
33 14 19 00-0549	EA	5-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,364.36	369.46
33 14 19 00-0550	EA	6' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,460.38	395.85
33 14 19 00-0551	EA	6-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,556.49	422.24
33 14 19 00-0552	EA	7' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,678.88	475.02
33 14 19 00-0553	EA	1-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,796.23	295.56
33 14 19 00-0554	EA	2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,886.65	295.56
33 14 19 00-0555	EA	2-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,976.85	295.56
33 14 19 00-0556	EA	3' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,088.17	316.68
33 14 19 00-0557	EA	3-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,178.37	316.68
33 14 19 00-0558	EA	4' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,295.29	343.07
33 14 19 00-0559	EA	4-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,385.38	343.07
33 14 19 00-0560	EA	5' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,502.06	369.46
33 14 19 00-0561	EA	5-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,592.23	369.46
33 14 19 00-0562	EA	6' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,708.66	395.85
33 14 19 00-0563	EA	6-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,825.48	422.24
33 14 19 00-0564	EA	7' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,968.30	475.02
33 14 19 00-0565		**Two Way, Standard (Traditional) Model Fire Hydrant** *(33 14 19 00-0539)*		
		Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0566	EA	1-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,350.19	295.56
33 14 19 00-0567	EA	2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,419.62	295.56
33 14 19 00-0568	EA	2-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,489.45	295.56
33 14 19 00-0569	EA	3' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,580.38	316.68
33 14 19 00-0570	EA	3-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,649.90	316.68
33 14 19 00-0571	EA	4' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,745.95	343.07
33 14 19 00-0572	EA	4-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,815.69	343.07
33 14 19 00-0573	EA	5' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,911.98	369.46
33 14 19 00-0574	EA	5-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,981.57	369.46
33 14 19 00-0575	EA	6' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,077.97	395.85
33 14 19 00-0576	EA	6-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,173.63	422.24
33 14 19 00-0577	EA	7' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,296.18	475.02
33 14 19 00-0578	EA	1-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,448.41	295.56
33 14 19 00-0579	EA	2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,538.63	295.56
33 14 19 00-0580	EA	2-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,628.72	295.56
33 14 19 00-0581	EA	3' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,740.26	316.68
33 14 19 00-0582	EA	3-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,830.23	316.68
33 14 19 00-0583	EA	4' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,947.00	343.07
33 14 19 00-0584	EA	4-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,037.02	343.07
33 14 19 00-0585	EA	5' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,153.99	369.46
33 14 19 00-0586	EA	5-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,243.96	369.46
33 14 19 00-0587	EA	6' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,360.71	395.85
33 14 19 00-0588	EA	6-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,477.07	422.24
33 14 19 00-0589	EA	7' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,620.39	475.02
33 14 19 00-0590		**Three Way, Modern Model Fire Hydrant** *(33 14 19 00-0539)*		
		Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0591	EA	1-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	3,895.26	295.56
33 14 19 00-0592	EA	2' Burial Section, Three Way, Modern Type Fire Hydrant	3,985.34	295.56
33 14 19 00-0593	EA	2-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	4,075.70	295.56
33 14 19 00-0594	EA	3' Burial Section, Three Way, Modern Type Fire Hydrant	4,187.06	316.68
33 14 19 00-0595	EA	3-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	4,277.21	316.68
33 14 19 00-0596	EA	4' Burial Section, Three Way, Modern Type Fire Hydrant	4,393.80	343.07
33 14 19 00-0597	EA	4-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	4,484.07	343.07
33 14 19 00-0598	EA	5' Burial Section, Three Way, Modern Type Fire Hydrant	4,600.68	369.46
33 14 19 00-0599	EA	5-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	4,690.86	369.46
33 14 19 00-0600	EA	6' Burial Section, Three Way, Modern Type Fire Hydrant	4,807.44	369.46
33 14 19 00-0601	EA	6-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	4,924.30	422.24
33 14 19 00-0602	EA	7' Burial Section, Three Way, Modern Type Fire Hydrant	5,066.18	422.24
33 14 19 00-0603		**Two Way, Modern Model Fire Hydrant** *(33 14 19 00-0539)*		
		Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0604	EA	1-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	2,765.67	295.56
33 14 19 00-0605	EA	2' Burial Section, Two Way, Modern Type Fire Hydrant	2,834.22	295.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0606	EA	2-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	2,903.54	295.56
33 14 19 00-0607	EA	3' Burial Section, Two Way, Modern Type Fire Hydrant	2,992.41	316.68
33 14 19 00-0608	EA	3-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	3,060.95	316.68
33 14 19 00-0609	EA	4' Burial Section, Two Way, Modern Type Fire Hydrant	3,155.87	343.07
33 14 19 00-0610	EA	4-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	3,224.38	343.07
33 14 19 00-0611	EA	5' Burial Section, Two Way, Modern Type Fire Hydrant	3,319.39	369.46
33 14 19 00-0612	EA	5-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	3,387.73	369.46
33 14 19 00-0613	EA	6' Burial Section, Two Way, Modern Type Fire Hydrant	3,482.67	395.85
33 14 19 00-0614	EA	6-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	3,577.69	422.24
33 14 19 00-0615	EA	7' Burial Section, Two Way, Modern Type Fire Hydrant	3,698.15	475.02
33 14 19 00-0616		**Safetop Model With Breakable Section** *(33 14 19 00-0539)*		
		Note: Prices listed are for mechanical joint. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0617	EA	4" Safetop Model Fire Hydrant Breakable With 5' Burial Section	2,777.39	211.12
33 14 19 00-0618	EA	6" Safetop Model Fire Hydrant Breakable With 5' Burial Section	2,969.69	237.51
33 14 19 00-0619	EA	8" Safetop Model Fire Hydrant Breakable With 5' Burial Section	3,237.60	263.90
33 14 19 00-0620		**Fire Hydrant Extension Kits** *(33 14 19 00-0539)*		
33 14 19 00-0621	EA	6" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	574.05	26.39
33 14 19 00-0622	EA	12" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	681.68	32.98
33 14 19 00-0623	EA	18" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	742.66	39.59
33 14 19 00-0624	EA	24" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	843.23	48.82
33 14 19 00-0625	EA	30" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,278.79	50.80
33 14 19 00-0626	EA	36" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,366.18	52.78
33 14 19 00-0627	EA	42" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,386.52	55.42
33 14 19 00-0628	EA	48" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,464.26	59.37
33 14 19 00-0629	EA	54" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,612.92	71.26
33 14 19 00-0630	EA	60" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,699.57	85.76
33 14 19 00-0631	EA	6" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	638.66	29.56
33 14 19 00-0632	EA	12" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	755.80	35.89
33 14 19 00-0633	EA	18" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	866.87	43.28
33 14 19 00-0634	EA	24" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	967.85	53.84
33 14 19 00-0635	EA	30" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,329.47	55.95
33 14 19 00-0636	EA	36" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,417.94	58.06
33 14 19 00-0637	EA	42" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,478.50	61.23
33 14 19 00-0638	EA	48" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,730.74	65.45
33 14 19 00-0639	EA	54" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,895.22	78.11
33 14 19 00-0640	EA	60" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,988.51	93.95
33 14 19 00-0641		**Removal And Reinstallation Of Standard Fire Hydrant** *(33 14 19 00-0539)*		
		Note: Includes all necessary fittings for resetting, storage and cleaning. Excludes excavation, backfill and thrust blocking around fire hydrant.		
33 14 19 00-0642	EA	Up To 5' Burial Section, Removal And Reinstallation Of Fire Hydrant	844.48	
33 14 19 00-0643	EA	>5' Burial Section, Removal And Reinstallation Of Fire Hydrant	1,231.53	
33 14 19 00-0644	EA	Reset Fire Hydrant Upper Barrel Note: Includes Safety Repair Kit	1,375.82	
33 14 19 00-0645		**Hydrant Head Replacement** *(33 14 19 00-0539)*		
33 14 19 00-0646	EA	4" x 2-1/2" Bronze Hydrant Head Only With 2-1/2" Dome Cap (James Jones J-3708)	5,080.29	422.24
33 14 19 00-0647		**Insertion Valves** *(33 14 19)*		
33 14 19 00-0648	EA	4" Diameter x 16" Length, 150 PSI, Stainless Steel Bolt-On Sleeve And Nozzel, Carbon Steel Flange, Insertion Valve (Hydra-Stop Insta-Valve Complete Fittings) Note: Bolt-On sleeve for cast/ductile iron, steel, A.C. or P.V.C. Pipe	4,146.59	196.18
33 14 19 00-0649	EA	6" Diameter x 16" Length, 150 PSI, Stainless Steel Bolt-On Sleeve And Nozzel, Carbon Steel Flange, Insertion Valve (Hydra-Stop Insta-Valve Complete Fittings) Note: Bolt-On sleeve for cast/ductile iron, steel, A.C. or P.V.C. Pipe	4,626.81	215.58
33 14 19 00-0650	EA	8" Diameter x 20" Length, 150 PSI, Stainless Steel Bolt-On Sleeve And Nozzel, Carbon Steel Flange, Insertion Valve (Hydra-Stop Insta-Valve Complete Fittings) Note: Bolt-On sleeve for cast/ductile iron, steel, A.C. or P.V.C. Pipe	5,390.86	323.37
33 14 19 00-0651	EA	10" Diameter x 20" Length, 150 PSI, Stainless Steel Bolt-On Sleeve And Nozzel, Carbon Steel Flange, Insertion Valve (Hydra-Stop Insta-Valve Complete Fittings) Note: Bolt-On sleeve for cast/ductile iron, steel, A.C. or P.V.C. Pipe	8,293.79	377.27
33 14 19 00-0652	EA	12" Diameter x 24" Length, 150 PSI, Stainless Steel Bolt-On Sleeve And Nozzel, Carbon Steel Flange, Insertion Valve (Hydra-Stop Insta-Valve Complete Fittings) Note: Bolt-On sleeve for cast/ductile iron, steel, A.C. or P.V.C. Pipe	10,078.89	458.11
33 14 19 00-0653		**Yard Hydrants** *(33 14 19)*		
		Note: With 3/4" hose thread outlet.		
33 14 19 00-0654	EA	2' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet	379.65	35.12
33 14 19 00-0655	EA	4' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet	408.49	35.12
33 14 19 00-0656	EA	6' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet	437.32	35.12
33 14 19 00-0657	EA	2' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	348.00	44.48
33 14 19 00-0658	EA	4' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	365.20	44.48
33 14 19 00-0659	EA	6' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	382.39	44.48

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0660		**Sanitary Yard Hydrants** *(33 14 19)* Note: With 3/4" hose thread outlet.		
33 14 19 00-0661	EA	2' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	1,740.39	73.16
33 14 19 00-0662	EA	4' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	1,830.50	73.16
33 14 19 00-0663	EA	6' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	1,920.61	73.16
33 14 19 00-0664		**Flushing Hydrants** *(33 14 19)*		
33 14 19 00-0665	EA	2" Inlet x 2-1/2" Outlet Steel Flushing Hydrant, 3' Bury Depth	885.17	45.06
33 14 23		**Enclosures for Water Utility Piping and Valves** *(33 14)* Note: Excludes excavation and backfill. See CSI section 22 11 19 00-0477 for Enclosures.		
33 14 23 00-0001		**Roadway Utility Box** *(33 14 23)*		
33 14 23 00-0002		**Utility Box** *(33 14 23 00-0001)* Note: Christy Concrete Products.		
33 14 23 00-0003		**B3 Utility Box, 9-3/8" x 15-1/2"** *(33 14 23 00-0002)*		
33 14 23 00-0004	EA	9-3/8" x 15-1/2" Precast Concrete Utility Box	121.40	53.36
33 14 23 00-0005	EA	Cast Iron Lid For 9-3/8" x 15-1/2" Utility Box	124.64	5.93
33 14 23 00-0006	EA	Reinforced Concrete Lid For 9-3/8" x 15-1/2" Utility Box	51.53	5.93
33 14 23 00-0007	EA	Steel Checkered Plate Cover For 9-3/8" x 15-1/2" Utility Box	273.27	5.93
33 14 23 00-0008	EA	12-1/8" x 18-5/8" Reinforced Concrete Slab For 9-3/8" x 15-1/2" Utility Box	72.70	11.86
33 14 23 00-0009	EA	3" High Reinforced Concrete Base For 9-3/8" x 15-1/2" Utility Box	105.00	11.86
33 14 23 00-0010		**B9 Utility Box, 10-1/4" x 17-1/4"** *(33 14 23 00-0002)*		
33 14 23 00-0011	EA	10-1/4" x 17-1/4" Precast Concrete Utility Box	146.95	71.15
33 14 23 00-0012	EA	Cast Iron Lid For 10-1/4" x 17-1/4" Utility Box	145.99	7.11
33 14 23 00-0013	EA	Reinforced Concrete Lid For 10-1/4" x 17-1/4" Utility Box	57.14	7.11
33 14 23 00-0014	EA	Steel Checkered Plate Cover For 10-1/4" x 17-1/4" Utility Box	286.72	5.93
33 14 23 00-0015	EA	13" x 19-3/4" Reinforced Concrete Slab For 10-1/4" x 17-1/4" Utility Box	81.58	11.86
33 14 23 00-0016	EA	5-3/4" High Reinforced Concrete Base For 10-1/4" x 17-1/4" Utility Box	109.07	17.79
33 14 23 00-0017	EA	12" High Reinforced Concrete Extension For 10-1/4" x 17-1/4" Utility Box	128.07	32.61
33 14 23 00-0018		**B12 Utility Box, 12" x 20"** *(33 14 23 00-0002)*		
33 14 23 00-0019	EA	12" x 20" Precast Concrete Utility Box	161.60	77.07
33 14 23 00-0020	EA	Cast Iron Lid For 12" x 20" Utility Box	263.26	8.89
33 14 23 00-0021	EA	Reinforced Concrete Lid For 12" x 20" Utility Box	76.40	11.86
33 14 23 00-0022	EA	Steel Checkered Plate Cover For 12" x 20" Utility Box	385.23	11.86
33 14 23 00-0023	EA	12" High Reinforced Concrete Extension For 12" x 20" Utility Box	167.10	41.50
33 14 23 00-0024		**B16 Utility Box, 12" x 22-1/4"** *(33 14 23 00-0002)*		
33 14 23 00-0025	EA	12" x 22-1/4" Precast Concrete Utility Box	185.94	90.11
33 14 23 00-0026	EA	Cast Iron Lid For 12" x 22-1/4" Utility Box	297.28	11.86
33 14 23 00-0027	EA	Reinforced Concrete Lid For 12" x 22-1/4" Utility Box	94.71	11.86
33 14 23 00-0028	EA	Steel Checkered Plate Cover For 12" x 22-1/4" Utility Box	387.42	11.86
33 14 23 00-0029	EA	16" x 27" Reinforced Concrete Slab For 12" x 22-1/4" Utility Box	132.64	20.16
33 14 23 00-0030	EA	12" High Reinforced Concrete Extension For 12" x 22-1/4" Utility Box	170.14	41.50
33 14 23 00-0031		**B30 Utility Box, 13-1/4" x 24"** *(33 14 23 00-0002)*		
33 14 23 00-0032	EA	13-1/4" x 24" Precast Concrete Utility Box (Christy B30BOX)	224.10	106.72
33 14 23 00-0033	EA	Reinforced Concrete Lid For 13-1/4" x 24" Utility Box (Christy B30D)	127.26	18.98
33 14 23 00-0034	EA	Steel Checkered Plate Cover For 13-1/4" x 24" Utility Box (Christy B30-61G)	478.87	15.42
33 14 23 00-0035	EA	16" x 27" Reinforced Concrete Slab For 13-1/4" x 24" Utility Box (Christy B30SL)	132.64	20.16
33 14 23 00-0036	EA	5-1/2" High Reinforced Concrete Base For 13-1/4" x 24" Utility Box (Christy B30BA)	202.95	33.21
33 14 23 00-0037	EA	6" High Reinforced Concrete Extension For 13-1/4" x 24" Utility Box (Christy B30X6)	158.85	22.53
33 14 23 00-0038	EA	12" High Reinforced Concrete Extension For 13-1/4" x 24" Utility Box (Christy B30X12)	220.51	53.36
33 14 23 00-0039		**B36 Utility Box, 17-1/4" x 30"** *(33 14 23 00-0002)*		
33 14 23 00-0040	EA	17-1/4" x 30" Precast Concrete Utility Box (Christy B36BOX)	293.09	135.18
33 14 23 00-0041	EA	Reinforced Concrete Lid For 17-1/4" x 30" Utility Box (Christy B36D)	207.18	32.61
33 14 23 00-0042	EA	Steel Checkered Plate Cover For 17-1/4" x 30" Utility Box (Christy B36-61D)	599.95	22.53
33 14 23 00-0043	EA	20" x 34" Reinforced Concrete Slab For 17-1/4" x 30" Utility Box (Christy B36SL)	185.30	42.69
33 14 23 00-0044	EA	6" High Reinforced Concrete Base For 17-1/4" x 30" Utility Box (Christy B36BA)	316.17	47.43
33 14 23 00-0045	EA	12" High Reinforced Concrete Extension For 17-1/4" x 30" Utility Box (Christy B36X12)	294.68	68.77
33 14 23 00-0046		**B40 Utility Box, 24-1/2" x 36"** *(33 14 23 00-0002)*		
33 14 23 00-0047	EA	24-1/2" x 36" Precast Concrete Utility Box	610.13	208.70
33 14 23 00-0048	EA	Reinforced Concrete Lid For 24-1/2" x 36" Utility Box	568.12	78.26
33 14 23 00-0049	EA	Steel Checkered Plate Cover For 24-1/2" x 36" Utility Box	851.91	34.38
33 14 23 00-0050	EA	30" x 40" Reinforced Concrete Slab For 24-1/2" x 36" Utility Box	463.51	73.52

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 23 00-0051	EA	10" High Reinforced Concrete Extension For 24-1/2" x 36" Utility Box	491.86	77.07
33 14 23 00-0052		**B48 Utility Box, 30-1/4" x 48-1/4"** *(33 14 23 00-0002)*		
33 14 23 00-0053	EA	30-1/4" x 48-1/4" Precast Concrete Utility Box	769.07	237.15
33 14 23 00-0054	EA	1 Piece Reinforced Concrete Lid For 30-1/4" x 48-1/4" Utility Box	780.85	129.24
33 14 23 00-0055	EA	2 Piece Reinforced Concrete Lid For 30-1/4" x 48-1/4" Utility Box	988.10	129.24
33 14 23 00-0056	EA	2 Piece Steel Checkered Plate Cover For 30-1/4" x 48-1/4" Utility Box	1,348.19	59.29
33 14 23 00-0057	EA	36" x 53" Reinforced Concrete Slab For 30-1/4" x 48-1/4" Utility Box	668.00	160.08
33 14 23 00-0058	EA	10" High Reinforced Concrete Extension For 30-1/4" x 48-1/4" Utility Box	606.60	107.90
33 14 23 00-0059		**B65 Utility Box, 15" x 26-1/2"** *(33 14 23 00-0002)*		
33 14 23 00-0060	EA	15" x 26-1/2" Precast Concrete Utility Box	202.99	135.18
33 14 23 00-0061	EA	Reinforced Concrete Lid For 15" x 26-1/2" Utility Box	125.25	32.61
33 14 23 00-0062	EA	Steel Checkered Plate Cover For 15" x 26-1/2" Utility Box	387.33	22.53
33 14 23 00-0063	EA	20" x 34" Reinforced Concrete Slab For 15" x 26-1/2" Utility Box	185.30	42.69
33 14 23 00-0064	EA	6" High Reinforced Concrete Base For 15" x 26-1/2" Utility Box	316.17	47.43
33 14 23 00-0065	EA	12" High Reinforced Concrete Extension For 15" x 26-1/2" Utility Box	219.47	68.77
33 14 23 00-0066		**Roadway Or Curb Valve Boxes** *(33 14 23)* See CSI section 22 05 19 00-0000 for metering.		
33 14 23 00-0067		**Round Head, Cast Iron Service, Roadway Or Valve Boxes** *(33 14 23 00-0066)*		
33 14 23 00-0068	EA	36" To 48" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box Note: Includes cover, top section and bottom section.	230.12	14.23
33 14 23 00-0069	EA	36" To 54" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box Note: Includes cover, top section and bottom section.	267.44	14.23
33 14 23 00-0070	EA	42" To 60" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box Note: Includes cover, top section and bottom section.	269.16	14.23
33 14 23 00-0071	EA	9" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	69.06	7.11
33 14 23 00-0072	EA	16" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	78.94	7.11
33 14 23 00-0073	EA	24" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	93.81	7.11
33 14 23 00-0074	EA	36" To 48" High, Screw Type, 4-1/4" Shaft, Round Head, Cast Iron Roadway Box Note: Includes cover, top section and bottom section.	347.17	17.79
33 14 23 00-0075	EA	45" To 54" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box Note: Includes cover, top section, bottom section and #6 round base.	601.52	24.90
33 14 23 00-0076	EA	45" To 66" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box Note: Includes cover, top section, bottom section and #6 round base.	671.12	24.90
33 14 23 00-0077	EA	24" To 36" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box Note: Includes cover, top section and bottom section.	360.97	17.79
33 14 23 00-0078	EA	36" To 48" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box Note: Includes cover, top section and bottom section.	377.60	17.79
33 14 23 00-0079	EA	24" To 36" High, Two Piece, Slip Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box Note: Includes cover, top section and bottom section.	364.90	17.79
33 14 23 00-0080	EA	12" Extension For Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box	132.22	7.11
33 14 23 00-0081	EA	18" To 24" High Round Head Cast Iron Roadway Or Curb Valve Boxes	222.21	29.27
33 14 23 00-0082	EA	22" To 28" High Round Head Cast Iron Roadway Or Curb Valve Boxes	229.77	30.44
33 14 23 00-0083	EA	30" To 36" High Round Head Cast Iron Roadway Or Curb Valve Boxes	255.77	31.60
33 14 23 00-0084	EA	36" To 48" High Round Head Cast Iron Roadway Or Curb Valve Box	351.46	33.37
33 14 23 00-0085	EA	48" To 60" High Round Head Cast Iron Roadway Or Curb Valve Boxes	423.81	35.12
33 14 23 00-0086	EA	18" Cast Iron Service Box Extension Section	99.34	
33 14 23 00-0087		**Plastic Roadway Grade Water Meter Box And Cover** *(33 14 23 00-0066)*		
33 14 23 00-0088	EA	12" Wide x 16" Long x 16" Deep Plastic Meter Box And Cover	353.01	40.97
33 14 23 00-0089	EA	9-3/4" Wide x 19-1/4" Long x 16" Deep Oval Plastic Meter Box And Cover	266.14	29.27
33 14 23 00-0090	EA	Cast Iron Lid For Plastic Meter Box	80.58	
33 14 23 00-0091		**Traffic Valve Box And Lid** *(33 14 23 00-0066)*		
33 14 23 00-0092	EA	10-3/8" ID x 12" Traffic Valve Box And 11" OD Cast Iron Lid (Christy G-5)	222.41	
33 14 23 00-0093	EA	14-1/2" ID x 12" Traffic Valve Box And 13-1/4" OD Cast Iron Lid (Christy G-12)	733.52	
33 14 23 00-0094		**Service Meter Boxes (Brooks)** *(33 14 23)*		
33 14 23 00-0095	EA	12" x 20", Precast Service Meter Box With Concrete Cover, Exposed To Traffic (Brooks #37-1 PC)	198.78	59.72
33 14 23 00-0096	EA	12" x 20", Precast Service Meter Box, Concrete Cover With Cast Iron Reading Lid, Exposed To Traffic (Brooks #37-S)	152.14	11.94
33 14 23 00-0097	EA	12" x 20", Precast Service Meter Box With Cast Iron Hinged Cover, Exposed To Traffic (Brooks #37-H4S)	157.40	11.94
33 14 23 00-0098	EA	17" x 30", Precast Service Meter Box With Concrete Cover, Exposed To Traffic (Brooks 66-1 PC)	366.25	89.59
33 14 23 00-0099	EA	17" x 30", Precast Service Meter Box With Concrete Cover With Cast Iron Reading Lid, Exposed To Traffic (Brooks 66-S)	319.44	14.93
33 14 23 00-0100		**Polyethylene Above Ground Enclosure** *(33 14 23)*		
33 14 23 00-0101	EA	14" x 24" Polyethylene Above Ground Enclosure For 2" Air/Vacuum Valve	898.33	97.01
33 14 23 00-0102	EA	18" x 30" Polyethylene Above Ground Enclosure For 4" Air/Vacuum Valve	1,049.57	129.35
33 14 23 00-0103	EA	24" x 36" Polyethylene Above Ground Enclosure For 6" To 8" Air/Vacuum Valve	1,267.92	155.21

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 23 00-0104		Service Meter Boxes (Armorcast) *(33 14 23)*		
		Note: Water meter boxes shall be polymer, rectangular in shape, with rounded corners and beveled edges throughout with a slot provided in the bottom of each end of the box for the water service pipe and the house lateral. Boxes shall have a polymer cover with AMR slot. Meter boxes are likely to be subjected to traffic loads, traffic rated boxes and covers shall have AASHTO load Traffic ratings of 20K.		
33 14 23 00-0105	EA	13" x 24" x 12" Polymer Concrete Meter Box (ARMORCAST - #A6001946PCX12)	287.14	
33 14 23 00-0106	EA	17" x 30" x 12" Polymer Concrete Meter Box (ARMORCAST - #A6001640PCX12)	306.98	
33 14 23 00-0107	EA	13" x 24" Polymer Concrete Meter Box Cover With AMR Slot And Hinged Reading Lid (ARMORCAST - #A6001866R-H9)	113.80	
33 14 23 00-0108	EA	13" x 24" Polymer Concrete Meter Box Cover With Hinged Reading Lid (ARMORCAST - #A6001866R)	117.96	
33 14 23 00-0109	EA	17" x 30" Polymer Concrete Meter Box Cover With AMR Slot And Hinged Reading Lid (ARMORCAST - #A6001643R-H9)	150.67	
33 14 23 00-0110	EA	17" x 30" Polymer Concrete Meter Box Cover With Hinged Reading Lid (ARMORCAST - #A6001643R)	155.45	
33 14 23 00-0111	EA	12" x 20" Polymer Concrete Meter Box Cover With Hinged Reading Lid (ARMORCAST - #A6000484R)	81.08	
33 14 23 00-0112	EA	12" x 20" Polymer Concrete Meter Box Cover Only With No Hinged Reading Lid (ARMORCAST - #A6000482)	50.71	

33 16 Water Utility Storage Tanks *(33 10)*

33 16 23 Ground-Level Steel Water Storage Tanks *(33 16)*

See CSI section 23 13 23 16-0000 for aboveground steel storage tanks.

33 19 Water Utility Metering Equipment *(33 10)*

33 19 11 Water Utility Metering *(33 19)*

33 19 11 00-0001		High Pressure Water Meter with AMR Transmitter *(33 19 11)*		
33 19 11 00-0002	EA	3" Diameter, High Pressure Water Meter with AMR Transmitter (Hendey)	2,146.30	183.25

33 19 13 Positive Displacement Water Meters *(33 19)*

33 19 13 23 Nutating Disc Water Meters *(33 19 13)*

33 19 13 23-0001		Bronze Disk Type Water Service Meters *(33 19 13 23)*		
33 19 13 23-0002	EA	5/8" Diameter, 0 To 20 GPM, Screwed, Disk Type, Bronze Water Supply Meter	329.73	60.87
33 19 13 23-0003	EA	3/4" Diameter, 0 To 30 GPM, Screwed, Disk Type, Bronze Water Supply Meter	414.84	72.57
33 19 13 23-0004	EA	1" Diameter, 0 To 50 GPM, Screwed, Disk Type, Bronze Water Supply Meter	558.44	83.11
33 19 13 23-0005	EA	1-1/2" Diameter, 0 To 100 GPM, Screwed, Disk Type, Bronze Water Supply Meter	1,089.97	124.08
33 19 13 23-0006	EA	2" Diameter, 0 To 160 GPM, Screwed, Disk Type, Bronze Water Supply Meter	1,477.43	161.53
33 19 13 23-0007		Magnetic Driven, Positive Displacement Type Water Service Meters *(33 19 13 23)*		
33 19 13 23-0008	EA	5/8" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max. (Neptune T10 E-Coder/R900i)	595.85	60.87
		For Owner Furnished Material, Deduct	*-534.24*	
33 19 13 23-0009	EA	3/4" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max.(Neptune T10 E-Coder/R900i)	679.19	72.57
		For Owner Furnished Material, Deduct	*-606.03*	
33 19 13 23-0010	EA	1" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max.(Neptune T10 E-Coder/R900i)	1,013.50	83.11
		For Owner Furnished Material, Deduct	*-929.88*	
33 19 13 23-0011	EA	1-1/2" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max.(Neptune T10 E-Coder/R900i)	1,716.66	124.08
		For Owner Furnished Material, Deduct	*-1,592.14*	
33 19 13 23-0012	EA	2" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max.(Neptune T10 E-Coder/R900i)	2,124.55	161.53
		For Owner Furnished Material, Deduct	*-1,961.97*	
33 19 13 23-0013	EA	Electronic Transmitter	484.54	29.27
		Note: For use with transmitting meter valve.		
		For Owner Furnished Material, Deduct	*-455.27*	

33 19 16 Velocity-Type Water Meters *(33 19)*

33 19 16 13 Single-Jet Water Meters *(33 19 16)*

33 19 16 13-0001		Small/Large Spectrum Water Service Meter *(33 19 16 13)*		
		Note: Metron-Farnier.		
33 19 16 13-0002	EA	1-1/2" Diameter, 0 - 100 GPM, Flanged, Spectrum Water Meter	1,881.01	122.91
		Note: Metron-Farnier #Spectrum 50.		
33 19 16 13-0003	EA	2" Diameter, 0 - 125 GPM, Flanged, Spectrum Water Meter	2,697.30	156.04
		Note: Metron-Farnier #Spectrum 88.		
33 19 16 13-0004	EA	2" Diameter, 0 - 185 GPM, Flanged, Spectrum Water Meter	3,260.17	156.04
		Note: Metron-Farnier #Spectrum 130.		
33 19 16 13-0005	EA	3" Diameter, 0 - 320 GPM, Flanged, Spectrum Water Meter	4,368.04	183.25
		Note: Metron-Farnier #Spectrum 175.		
33 19 16 13-0006	EA	3" Diameter, 0 - 520 GPM, Flanged, Spectrum Water Meter	4,539.46	183.25
		Note: Metron-Farnier #Spectrum 260.		
33 19 16 13-0007	EA	4" Diameter, 0 - 520 GPM, Flanged, Spectrum Water Meter	6,332.08	286.73
		Note: Metron-Farnier #Spectrum 260.		
33 19 16 13-0008	EA	4" Diameter, 0 - 750 GPM, Flanged, Spectrum Water Meter	10,464.05	286.73
		Note: Metron-Farnier #Spectrum 440.		
33 19 16 13-0009	EA	6" Diameter, 0 - 750 GPM, Flanged, Spectrum Water Meter	13,126.45	388.05
		Note: Metron-Farnier #Spectrum 440.		
33 19 16 13-0010	EA	8" Diameter, 0 - 750 GPM, Flanged, Spectrum Water Meter	16,314.30	495.84
		Note: Metron-Farnier #Spectrum 440.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 19 16 23		**Turbine Water Meters** *(33 19 16)*		
33 19 16 23-0001		Flanged Turbine Water Service Meter *(33 19 16 23)*		
33 19 16 23-0002		Vertical Turbine Meters *(33 19 16 23-0001)*		
33 19 16 23-0003	EA	1-1/2" Diameter, 0 - 100 GPM Vertical Turbine Meter, Flanged	1,307.91	113.18
33 19 16 23-0004	EA	2" Diameter, 0 - 160 GPM Vertical Turbine Meter, Flanged	1,841.83	143.68
33 19 16 23-0005	EA	3" Diameter, 0 - 350 GPM Vertical Turbine Meter, Flanged	3,399.43	183.25
33 19 16 23-0006	EA	4" Diameter, 0 - 650 GPM Vertical Turbine Meter, Flanged	5,063.41	286.73
33 19 16 23-0007	EA	6" Diameter, 0 - 1,300 GPM Vertical Turbine Meter, Flanged	9,668.05	388.05
33 19 16 23-0008		Horizontal Turbine Meters *(33 19 16 23-0001)*		
33 19 16 23-0009	EA	1-1/2" Diameter, 0 - 120 GPM Horizontal Turbine Meter, Flanged	2,085.30	113.18
33 19 16 23-0010	EA	2" Diameter, 0 - 160 GPM Horizontal Turbine Meter, Flanged	2,951.65	143.68
33 19 16 23-0011	EA	3" Diameter, 0 - 600 GPM Horizontal Turbine Meter, Flanged	3,844.38	183.25
33 19 16 23-0012	EA	4" Diameter, 0 - 1,000 GPM Horizontal Turbine Meter, Flanged	5,651.57	286.73
33 19 16 23-0013	EA	6" Diameter, 0 - 2,000 GPM Horizontal Turbine Meter, Flanged	11,810.98	388.05
33 19 16 23-0014	EA	8" Diameter, 0 - 3,500 GPM Horizontal Turbine Meter, Flanged	15,813.09	495.84
33 19 16 23-0015	EA	10" Diameter, 0 - 5,500 GPM Horizontal Turbine Meter, Flanged	22,140.56	603.63
33 19 16 23-0016	EA	12" Diameter, 0 - 6,600 GPM Horizontal Turbine Meter, Flanged	26,554.72	951.79
33 19 19		**Compound Water Meters** *(33 19)*		
33 19 19 00-0001		Flanged Compound Type Water Service Meter *(33 19 19)*		
33 19 19 00-0002	EA	2" Diameter, 0 To 160 GPM, Flanged And Bronze, Compound Type Water Service Meter	5,616.26	143.68
33 19 19 00-0003	EA	3" Diameter, 0 To 320 GPM, Flanged And Bronze, Compound Type Water Service Meter	6,764.71	183.25
33 19 19 00-0004	EA	4" Diameter, 0 To 500 GPM, Flanged And Bronze, Compound Type Water Service Meter	11,195.58	286.73
33 19 19 00-0005	EA	6" Diameter, 0 To 1,000 GPM, Flanged And Bronze, Compound Type Water Service Meter	15,667.24	388.05
33 19 19 00-0006	EA	8" Diameter, 0 To 1,600 GPM, Flanged And Bronze, Compound Type Water Service Meter	32,429.78	495.84
33 19 19 00-0007	EA	10" Diameter, 0 To 2,500 GPM, Flanged And Bronze, Compound Type Water Service Meter	55,721.71	603.63
33 19 23		**Magnetic Water Meters** *(33 19)*		
33 19 23 00-0001		Flanged Electromagnetic Flow (EMF) Water Meter *(33 19 23)*		
33 19 23 00-0002	EA	2" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG)	8,988.85	143.68
33 19 23 00-0003	EA	3" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG)	12,659.99	183.25
33 19 23 00-0004	EA	4" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG)	14,521.59	286.73
33 19 26		**Ultrasonic Water Meters** *(33 19)*		
33 19 26 00-0001		Ultrasonic Water Service Meters (Mastermeter Octive) *(33 19 26)*		
33 19 26 00-0002	EA	3" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Octive)	4,519.56	183.25
33 19 26 00-0003	EA	4" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Octive)	5,197.17	286.73
33 19 26 00-0004	EA	6" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Octive)	7,653.07	388.05
33 19 26 00-0005	EA	8" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Octive)	11,034.14	495.84

33 30 Sanitary Sewerage Utilities *(33)*

33 31 Sanitary Sewerage Piping *(33 30)*

33 31 11 Public Sanitary Sewerage Gravity Piping *(33 31)*

Note: Piping includes hydrostatic testing, disinfecting and warning tape. Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 31 11 00-0001		Cast Iron Service Saddles With U Bolt *(33 31 11)*		
33 31 11 00-0002	EA	2" Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt	124.98	
33 31 11 00-0003	EA	3" Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt	125.69	
33 31 11 00-0004	EA	3" Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt	138.26	
33 31 11 00-0005	EA	4" Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt	133.94	
33 31 11 00-0006	EA	4" Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt	151.33	
33 31 11 00-0007	EA	4" Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt	170.48	
33 31 11 00-0008	EA	4" Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt	202.04	
33 31 11 00-0009	EA	6" Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt	171.35	
33 31 11 00-0010	EA	6" Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt	187.32	
33 31 11 00-0011	EA	6" Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt	215.95	
33 31 11 00-0012	EA	4" Diameter x 1-1/2" Tapped Wye Cast Iron Service Saddle With U Bolt	137.91	
33 31 11 00-0013	EA	4" Diameter x 2" Tapped Wye Cast Iron Service Saddle With U Bolt	150.48	
33 31 11 00-0014	EA	4" Diameter x 3" Hub Wye Cast Iron Service Saddle With U Bolt	179.76	
33 31 11 00-0015	EA	4" Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt	213.44	
33 31 11 00-0016	EA	6" Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt	230.15	
33 31 11 00-0017		Plastic Sewer And Drain Piping *(33 31 11)*		

Note: Includes detectable tracer wire.

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0018		**Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe** *(33 31 11 00-0017)*		
33 31 11 00-0019	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	11.07	4.49
33 31 11 00-0020	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	13.45	5.30
33 31 11 00-0021	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	18.69	6.42
33 31 11 00-0022	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	23.41	7.49
33 31 11 00-0023	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	32.13	8.71
33 31 11 00-0024	LF	8" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	43.18	10.13
33 31 11 00-0025	LF	10" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	59.22	10.49
33 31 11 00-0026	LF	12" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	77.96	10.86
33 31 11 00-0027		**Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe** *(33 31 11 00-0017)* Note: D-2729 PVC pipe.		
33 31 11 00-0028	LF	3" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	14.34	6.42
33 31 11 00-0029	LF	4" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	16.86	7.49
33 31 11 00-0030	LF	6" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	21.11	8.71
33 31 11 00-0031		**Polyvinyl Chloride (PVC) Sewer And Drain Fittings** *(33 31 11 00-0017)*		
33 31 11 00-0032		**1/4 Bends, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0031)*		
33 31 11 00-0033	EA	1-1/2" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	30.53	14.57
33 31 11 00-0034	EA	2" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	39.22	18.84
33 31 11 00-0035	EA	3" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	72.21	25.31
33 31 11 00-0036	EA	4" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	116.38	29.25
33 31 11 00-0037	EA	6" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	498.54	38.02
33 31 11 00-0038	EA	8" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	832.89	51.17
33 31 11 00-0039	EA	10" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	1,099.24	68.14
33 31 11 00-0040		**1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0031)*		
33 31 11 00-0041	EA	1-1/2" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	32.53	14.57
33 31 11 00-0042	EA	2" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	39.05	18.84
33 31 11 00-0043	EA	3" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	69.21	25.31
33 31 11 00-0044	EA	4" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	101.70	29.25
33 31 11 00-0045	EA	6" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	461.18	38.02
33 31 11 00-0046	EA	8" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	746.06	51.17
33 31 11 00-0047	EA	10" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	843.81	68.14
33 31 11 00-0048	EA	12" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	1,258.81	90.76
33 31 11 00-0049		**Long Sweep 1/4 Bends, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0031)*		
33 31 11 00-0050	EA	1-1/2" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	54.88	14.36
33 31 11 00-0051	EA	2" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	53.23	18.84
33 31 11 00-0052	EA	3" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	108.23	25.31
33 31 11 00-0053	EA	4" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	182.43	29.25
33 31 11 00-0054	EA	6" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	370.96	38.02
33 31 11 00-0055	EA	8" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	665.23	51.17
33 31 11 00-0056	EA	10" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	1,096.23	68.14
33 31 11 00-0057	EA	12" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	1,667.32	90.76
33 31 11 00-0058		**1/16 Bends, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0031)*		
33 31 11 00-0059	EA	1-1/2" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	36.80	14.57
33 31 11 00-0060	EA	2" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	43.40	18.84
33 31 11 00-0061	EA	3" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	81.68	25.31
33 31 11 00-0062	EA	4" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	124.85	29.25
33 31 11 00-0063	EA	6" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	622.82	38.02
33 31 11 00-0064	EA	8" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	1,013.81	51.17
33 31 11 00-0065	EA	10" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	1,140.44	68.14
33 31 11 00-0066	EA	12" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	1,159.95	90.76
33 31 11 00-0067		**Reducers, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0031)*		
33 31 11 00-0068	EA	2" x 1-1/2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	42.33	16.63
33 31 11 00-0069	EA	3" x 1-1/2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	85.16	19.85
33 31 11 00-0070	EA	3" x 2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	79.22	21.89
33 31 11 00-0071	EA	4" x 2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	127.66	23.92
33 31 11 00-0072	EA	4" x 3" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	136.66	27.15
33 31 11 00-0073	EA	6" x 4" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	439.55	33.60
33 31 11 00-0074	EA	8" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	945.33	44.55
33 31 11 00-0075	EA	10" x 4" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	199.76	48.65
33 31 11 00-0076	EA	10" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	277.33	53.06
33 31 11 00-0077	EA	10" x 8" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	259.07	59.59
33 31 11 00-0078	EA	12" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	975.33	64.41
33 31 11 00-0079	EA	12" x 8" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	1,029.00	70.94
33 31 11 00-0080	EA	12" x 10" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	1,087.91	79.45

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0081		**Sanitary Tees, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0031)*		
33 31 11 00-0082	EA	1-1/2" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	48.50	22.02
33 31 11 00-0083	EA	2" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	64.83	28.49
33 31 11 00-0084	EA	3" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	115.45	37.58
33 31 11 00-0085	EA	4" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	182.54	46.67
33 31 11 00-0086	EA	6" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	731.50	51.17
33 31 11 00-0087	EA	8" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	948.76	68.14
33 31 11 00-0088		**Wyes, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0031)*		
33 31 11 00-0089	EA	1-1/2" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	64.01	22.02
33 31 11 00-0090	EA	2" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	73.84	28.49
33 31 11 00-0091	EA	3" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	126.96	37.58
33 31 11 00-0092	EA	4" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	201.38	46.67
33 31 11 00-0093	EA	6" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	660.79	51.17
33 31 11 00-0094	EA	8" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	814.43	68.14
33 31 11 00-0095	EA	10" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	1,070.85	90.93
33 31 11 00-0096	EA	12" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	1,699.91	121.35
33 31 11 00-0097		**Reducing Wyes, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0031)*		
33 31 11 00-0098	EA	2" x 1-1/2" x 1-1/2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	88.36	22.02
33 31 11 00-0099	EA	2" x 2" x 1" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	97.52	28.49
33 31 11 00-0100	EA	3" x 3" x 2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	110.95	37.58
33 31 11 00-0101	EA	4" x 4" x 2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	175.53	46.67
33 31 11 00-0102	EA	4" x 4" x 3" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	193.21	46.67
33 31 11 00-0103		**Double Wyes, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0031)*		
33 31 11 00-0104	EA	1-1/2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	108.69	28.49
33 31 11 00-0105	EA	2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	141.30	37.58
33 31 11 00-0106	EA	3" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	295.36	50.72
33 31 11 00-0107	EA	4" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	536.68	61.35
33 31 11 00-0108	EA	2" x 2" x 1-1/2" x 1-1/2 Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	133.96	37.58
33 31 11 00-0109	EA	3" x 3" x 2" x 2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	239.32	50.72
33 31 11 00-0110	EA	4" x 4" x 3" x 3" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	444.12	61.35
33 31 11 00-0111		**Combination Wye And 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0031)*		
33 31 11 00-0112	EA	1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	83.36	22.02
33 31 11 00-0113	EA	2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	104.02	28.49
33 31 11 00-0114	EA	3" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	217.68	37.58
33 31 11 00-0115	EA	4" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	404.85	46.67
33 31 11 00-0116	EA	2" x 2" x 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	169.74	28.49
33 31 11 00-0117	EA	3" x 3" x 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	277.20	37.58
33 31 11 00-0118	EA	3" x 3" x 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	194.40	37.58
33 31 11 00-0119	EA	4" x 4" x 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	376.95	46.67
33 31 11 00-0120	EA	4" x 4" x 3" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	402.47	46.67
33 31 11 00-0121		**Double Combination Wye And 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0031)*		
33 31 11 00-0122	EA	1-1/2" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	123.71	28.49
33 31 11 00-0123	EA	2" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	142.97	37.58
33 31 11 00-0124	EA	3" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	226.47	50.72
33 31 11 00-0125	EA	4" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	884.59	61.35
33 31 11 00-0126	EA	6" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	2,979.21	67.92
33 31 11 00-0127		**Cleanout Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0031)*		
33 31 11 00-0128	EA	4" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain	670.17	119.72
33 31 11 00-0129	EA	6" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain	1,657.13	154.46
33 31 11 00-0130	EA	8" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain	2,101.35	217.65
33 31 11 00-0131	EA	10" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain	2,879.25	350.12
33 31 11 00-0132		**Couplings, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0031)*		
33 31 11 00-0133	EA	1-1/2" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	29.47	14.57
33 31 11 00-0134	EA	2" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	36.55	18.73
33 31 11 00-0135	EA	3" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	59.43	25.09
33 31 11 00-0136	EA	4" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	79.56	29.25
33 31 11 00-0137	EA	6" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	254.23	38.02
33 31 11 00-0138	EA	8" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	646.25	51.17
33 31 11 00-0139	EA	10" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	984.85	68.14
33 31 11 00-0140	EA	12" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	1,639.72	90.76

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0141		**Adapters, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0031)*		
33 31 11 00-0142	EA	4" Male, Plastic Pipe x Malleable Iron Pipe Adapter, Drain And Sewer Fitting	134.87	75.67
33 31 11 00-0143	EA	2" x 3" x 3" Downspout Adapter, Drain And Sewer Fitting	93.52	57.56
33 31 11 00-0144	EA	2" x 3" x 4" Downspout Adapter, Drain And Sewer Fitting	96.65	57.56
33 31 11 00-0145	EA	3" x 4" x 4" Downspout Adapter, Drain And Sewer Fitting	104.94	57.56
33 31 11 00-0146	EA	4" Hub, Cast Iron Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting	137.14	75.67
33 31 11 00-0147	EA	4" Spigot, Clay Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting	130.51	75.67
33 31 11 00-0148	EA	4" Spigot, Fiberglass Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting	119.62	75.67
33 31 11 00-0149	EA	4" Drain Grate, Drain And Sewer Fitting	66.45	38.91
33 31 11 00-0150		**Caps, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0031)*		
33 31 11 00-0151	EA	3" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting	42.52	15.66
33 31 11 00-0152	EA	4" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting	72.33	19.50
33 31 11 00-0153	EA	6" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting	140.84	25.20
33 31 11 00-0154		**Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain** *(33 31 11 00-0031)*		
33 31 11 00-0155	EA	1-1/2" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	25.65	14.57
33 31 11 00-0156	EA	2" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	33.43	18.84
33 31 11 00-0157	EA	3" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	50.34	25.31
33 31 11 00-0158	EA	4" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	67.51	29.25
33 31 11 00-0159	EA	6" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	119.60	38.02
33 31 11 00-0160	EA	8" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	479.32	51.17
33 31 11 00-0161		**Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe** *(33 31 11 00-0017)* Note: ASTM 3034.		
33 31 11 00-0162	LF	4" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	19.17	7.49
		For SDR 26, Add	*0.82*	
33 31 11 00-0163	LF	6" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	25.42	8.71
		For SDR 26, Add	*1.57*	
33 31 11 00-0164	LF	8" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	33.86	10.13
		For SDR 26, Add	*2.67*	
33 31 11 00-0165	LF	10" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	41.37	10.49
		For SDR 26, Add	*4.00*	
33 31 11 00-0166	LF	12" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	50.43	10.86
		For SDR 26, Add	*5.63*	
33 31 11 00-0167	LF	15" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	65.57	11.24
		For SDR 26, Add	*8.45*	
33 31 11 00-0168	LF	18" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	82.88	11.65
33 31 11 00-0169	LF	21" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	107.45	12.65
33 31 11 00-0170	LF	24" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	130.18	13.65
33 31 11 00-0171	LF	27" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	161.80	16.01
33 31 11 00-0172		**Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe** *(33 31 11 00-0017)* Note: ASTM 3034.		
33 31 11 00-0173	LF	4" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe	18.49	7.49
		For SDR 26, Add	*0.69*	
33 31 11 00-0174	LF	6" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe	24.47	8.71
		For SDR 26, Add	*1.38*	
33 31 11 00-0175	LF	8" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe	32.57	10.13
		For SDR 26, Add	*2.41*	
33 31 11 00-0176		**Gasketed SDR 35 Polyvinyl Chloride (PVC) Fittings** *(33 31 11 00-0017)* Note: ASTM 3034.		
33 31 11 00-0177		**1/4 Bends, Gasketed SDR 35 Polyvinyl Chloride (PVC)** *(33 31 11 00-0176)*		
33 31 11 00-0178	EA	4" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	89.37	27.41
		For SDR 26, Add	*4.19*	
33 31 11 00-0179	EA	6" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	133.47	31.87
		For SDR 26, Add	*7.71*	
33 31 11 00-0180	EA	8" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	282.79	36.11
		For SDR 26, Add	*21.34*	
33 31 11 00-0181	EA	10" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	818.36	42.49
		For SDR 26, Add	*71.76*	
33 31 11 00-0182	EA	12" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,057.58	54.18
		For SDR 26, Add	*92.86*	
33 31 11 00-0183		**1/8 Bends, Gasketed SDR 35 Polyvinyl Chloride (PVC)** *(33 31 11 00-0176)*		
33 31 11 00-0184	EA	4" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	80.39	27.41
		For SDR 26, Add	*3.33*	
33 31 11 00-0185	EA	6" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	123.57	31.87
		For SDR 26, Add	*6.76*	
33 31 11 00-0186	EA	8" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	257.75	36.11
		For SDR 26, Add	*18.93*	
33 31 11 00-0187	EA	10" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	582.65	42.49
		For SDR 26, Add	*49.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0188	EA	12" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	833.46	54.18
		For SDR 26, Add	*71.34*	
33 31 11 00-0189	EA	15" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,791.59	76.48
		For SDR 26, Add	*159.76*	
33 31 11 00-0190	EA	18" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	2,844.09	108.35
33 31 11 00-0191	EA	21" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	4,749.90	143.40
33 31 11 00-0192	EA	24" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	6,477.09	191.20
33 31 11 00-0193		**Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)** *(33 31 11 00-0176)*		
33 31 11 00-0194	EA	4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	135.32	41.11
		For SDR 26, Add	*6.41*	
33 31 11 00-0195	EA	6" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	220.55	45.57
		For SDR 26, Add	*13.88*	
33 31 11 00-0196	EA	6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	248.29	47.80
		For SDR 26, Add	*16.19*	
33 31 11 00-0197	EA	8" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	274.45	50.03
		For SDR 26, Add	*18.34*	
33 31 11 00-0198	EA	8" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	314.95	52.26
		For SDR 26, Add	*21.87*	
33 31 11 00-0199	EA	8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	609.27	54.49
		For SDR 26, Add	*49.77*	
33 31 11 00-0200	EA	10" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	782.19	55.77
		For SDR 26, Add	*66.17*	
33 31 11 00-0201	EA	10" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	887.18	58.43
		For SDR 26, Add	*75.83*	
33 31 11 00-0202	EA	10" x 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,313.41	60.65
		For SDR 26, Add	*116.39*	
33 31 11 00-0203	EA	10" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,713.91	63.73
		For SDR 26, Add	*154.34*	
33 31 11 00-0204	EA	12" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	962.54	67.88
		For SDR 26, Add	*81.54*	
33 31 11 00-0205	EA	12" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,022.10	70.11
		For SDR 26, Add	*86.90*	
33 31 11 00-0206	EA	12" x 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,462.11	72.34
		For SDR 26, Add	*128.79*	
33 31 11 00-0207	EA	12" x 10" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	2,112.82	75.42
		For SDR 26, Add	*190.77*	
33 31 11 00-0208	EA	12" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	2,381.51	81.26
		For SDR 26, Add	*215.62*	
33 31 11 00-0209		**Wyes, Gasketed SDR 35 Polyvinyl Chloride (PVC)** *(33 31 11 00-0176)*		
33 31 11 00-0210	EA	4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	128.35	41.11
		For SDR 26, Add	*5.74*	
33 31 11 00-0211	EA	6" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	197.33	45.57
		For SDR 26, Add	*11.65*	
33 31 11 00-0212	EA	6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	217.10	47.80
		For SDR 26, Add	*13.19*	
33 31 11 00-0213	EA	8" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	264.49	50.03
33 31 11 00-0214	EA	8" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	303.07	52.26
33 31 11 00-0215	EA	8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	467.37	54.49
33 31 11 00-0216	EA	10" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	714.78	56.20
33 31 11 00-0217	EA	10" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	728.99	58.43
33 31 11 00-0218	EA	10" x 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,100.43	60.65
33 31 11 00-0219	EA	10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,218.12	63.73
33 31 11 00-0220	EA	12" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	906.33	67.88
33 31 11 00-0221	EA	12" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	934.77	70.11
33 31 11 00-0222	EA	12" x 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,342.42	72.34
33 31 11 00-0223	EA	12" x 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,619.16	75.42
33 31 11 00-0224	EA	12" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,690.26	81.26
33 31 11 00-0225	EA	15" x 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	2,083.39	97.73
33 31 11 00-0226	EA	15" x 12" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	2,312.04	103.57
33 31 11 00-0227	EA	15" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	2,892.64	114.72
33 31 11 00-0228		**Couplings, Gasketed SDR 35 Polyvinyl Chloride (PVC)** *(33 31 11 00-0176)*		
33 31 11 00-0229	EA	4" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	88.58	27.41
		For SDR 26, Add	*4.12*	
33 31 11 00-0230	EA	6" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	138.76	31.87
		For SDR 26, Add	*8.22*	
33 31 11 00-0231	EA	8" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	206.02	36.32
		For SDR 26, Add	*13.97*	
33 31 11 00-0232	EA	10" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	393.70	42.49
		For SDR 26, Add	*30.99*	
33 31 11 00-0233	EA	12" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	559.41	54.18
		For SDR 26, Add	*45.04*	
33 31 11 00-0234	EA	15" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,098.06	76.48
		For SDR 26, Add	*93.18*	
33 31 11 00-0235	EA	18" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	2,069.96	108.35
33 31 11 00-0236	EA	21" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	3,458.97	143.40
33 31 11 00-0237	EA	24" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	5,009.45	191.20

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 31 11 00-0238 Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC) *(33 31 11 00-0176)*

33 31 11 00-0239	EA	6" x 4" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	172.51	29.64
		For SDR 26, Add	*11.82*	
33 31 11 00-0240	EA	8" x 4" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	248.57	31.87
		For SDR 26, Add	*18.76*	
33 31 11 00-0241	EA	8" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	262.07	34.09
		For SDR 26, Add	*19.70*	
33 31 11 00-0242	EA	10" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	595.54	37.18
		For SDR 26, Add	*51.23*	
33 31 11 00-0243	EA	10" x 8" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	684.89	39.41
		For SDR 26, Add	*59.45*	
33 31 11 00-0244	EA	12" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	765.39	43.02
		For SDR 26, Add	*66.59*	
33 31 11 00-0245	EA	12" x 8" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	879.00	45.25
		For SDR 26, Add	*77.14*	
33 31 11 00-0246	EA	12" x 10" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,008.34	48.33
		For SDR 26, Add	*89.07*	
33 31 11 00-0247	EA	15" x 12" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,519.10	65.32
		For SDR 26, Add	*135.38*	

33 31 11 00-0248 Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC) *(33 31 11 00-0176)*

33 31 11 00-0249	EA	6" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	141.78	
		For SDR 26, Add	*8.51*	
33 31 11 00-0250	EA	8" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	187.78	
		For SDR 26, Add	*11.91*	
33 31 11 00-0251	EA	8" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	192.08	
		For SDR 26, Add	*12.32*	
33 31 11 00-0252	EA	10" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	320.35	
		For SDR 26, Add	*23.62*	
33 31 11 00-0253	EA	10" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	338.35	
		For SDR 26, Add	*25.34*	
33 31 11 00-0254	EA	10" x 8" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	648.09	
		For SDR 26, Add	*55.08*	
33 31 11 00-0255	EA	12" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	364.46	
		For SDR 26, Add	*26.32*	
33 31 11 00-0256	EA	12" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	398.21	
		For SDR 26, Add	*29.56*	
33 31 11 00-0257	EA	12" x 8" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	898.27	
		For SDR 26, Add	*77.57*	
33 31 11 00-0258	EA	12" x 10" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	1,060.78	
		For SDR 26, Add	*93.17*	
33 31 11 00-0259	EA	15" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	416.39	
		For SDR 26, Add	*27.74*	
33 31 11 00-0260	EA	15" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	445.84	
		For SDR 26, Add	*30.56*	

33 31 11 00-0261 Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC) *(33 31 11 00-0176)*

33 31 11 00-0262	EA	6" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	151.86	
		For SDR 26, Add	*9.48*	
33 31 11 00-0263	EA	8" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	187.78	
		For SDR 26, Add	*11.91*	
33 31 11 00-0264	EA	8" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	205.80	
		For SDR 26, Add	*13.64*	
33 31 11 00-0265	EA	10" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	293.64	
		For SDR 26, Add	*21.05*	
33 31 11 00-0266	EA	10" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	336.20	
		For SDR 26, Add	*25.14*	
33 31 11 00-0267	EA	10" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	513.65	
		For SDR 26, Add	*42.17*	
33 31 11 00-0268	EA	12" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	362.32	
		For SDR 26, Add	*26.11*	
33 31 11 00-0269	EA	12" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	396.17	
		For SDR 26, Add	*29.36*	
33 31 11 00-0270	EA	12" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	597.26	
		For SDR 26, Add	*48.67*	
33 31 11 00-0271	EA	12" x 10" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	728.50	
		For SDR 26, Add	*61.27*	
33 31 11 00-0272	EA	15" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	415.06	
		For SDR 26, Add	*27.61*	
33 31 11 00-0273	EA	15" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	435.86	
		For SDR 26, Add	*29.61*	
33 31 11 00-0274	EA	15" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	733.19	
		For SDR 26, Add	*58.15*	
33 31 11 00-0275	EA	15" x 10" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	812.38	
		For SDR 26, Add	*65.75*	
33 31 11 00-0276	EA	15" x 12" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	1,152.77	
		For SDR 26, Add	*98.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0277		Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe and Fittings *(33 31 11 00-0017)* Note: ASTM F949.		
33 31 11 00-0278		Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe *(33 31 11 00-0277)*		
33 31 11 00-0279	LF	4" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	17.43	7.49
33 31 11 00-0280	LF	6" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	23.66	8.71
33 31 11 00-0281	LF	8" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	29.63	10.13
33 31 11 00-0282	LF	10" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	34.45	10.49
33 31 11 00-0283	LF	12" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	36.35	10.86
33 31 11 00-0284	LF	15" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	42.13	11.24
33 31 11 00-0285	LF	18" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	52.60	11.65
33 31 11 00-0286	LF	21" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	60.99	12.65
33 31 11 00-0287	LF	24" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	73.98	13.65
33 31 11 00-0288	LF	30" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	105.71	18.36
33 31 11 00-0289		1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) *(33 31 11 00-0277)*		
33 31 11 00-0290	EA	4" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	60.43	
33 31 11 00-0291	EA	6" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	81.18	
33 31 11 00-0292	EA	8" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	111.68	
33 31 11 00-0293	EA	10" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	186.46	
33 31 11 00-0294	EA	12" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	201.69	
33 31 11 00-0295	EA	15" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	331.78	
33 31 11 00-0296	EA	18" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	522.03	
33 31 11 00-0297	EA	21" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	734.98	
33 31 11 00-0298	EA	24" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	947.88	
33 31 11 00-0299	EA	30" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	1,246.13	
33 31 11 00-0300		1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) *(33 31 11 00-0277)*		
33 31 11 00-0301	EA	4" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	56.75	
33 31 11 00-0302	EA	6" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	75.72	
33 31 11 00-0303	EA	8" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	103.73	
33 31 11 00-0304	EA	10" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	171.52	
33 31 11 00-0305	EA	12" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	186.04	
33 31 11 00-0306	EA	15" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	304.15	
33 31 11 00-0307	EA	18" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	476.98	
33 31 11 00-0308	EA	21" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	668.11	
33 31 11 00-0309	EA	24" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	859.29	
33 31 11 00-0310	EA	30" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	1,127.92	
33 31 11 00-0311		1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) *(33 31 11 00-0277)*		
33 31 11 00-0312	EA	4" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	51.21	
33 31 11 00-0313	EA	6" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	64.20	
33 31 11 00-0314	EA	8" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	97.84	
33 31 11 00-0315	EA	10" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	123.63	
33 31 11 00-0316	EA	12" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	169.44	
33 31 11 00-0317	EA	15" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	274.78	
33 31 11 00-0318	EA	18" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	399.75	
33 31 11 00-0319	EA	21" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	599.69	
33 31 11 00-0320	EA	24" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	799.63	
33 31 11 00-0321	EA	30" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	1,125.09	
33 31 11 00-0322		Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) *(33 31 11 00-0277)*		
33 31 11 00-0323	EA	4" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	93.90	
33 31 11 00-0324	EA	6" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	120.86	
33 31 11 00-0325	EA	8" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	210.03	
33 31 11 00-0326	EA	10" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	333.43	
33 31 11 00-0327	EA	12" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	547.72	
33 31 11 00-0328	EA	15" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	779.97	
33 31 11 00-0329	EA	18" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	1,129.63	
33 31 11 00-0330	EA	21" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	1,297.22	
33 31 11 00-0331	EA	24" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	1,464.76	
33 31 11 00-0332	EA	30" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	2,637.33	
33 31 11 00-0333		Tees, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) *(33 31 11 00-0277)*		
33 31 11 00-0334	EA	4" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	86.35	
33 31 11 00-0335	EA	6" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	110.50	
33 31 11 00-0336	EA	8" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	188.85	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0337	EA	10" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	297.25	
33 31 11 00-0338	EA	12" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	484.14	
33 31 11 00-0339	EA	15" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	688.20	
33 31 11 00-0340	EA	18" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	995.25	
33 31 11 00-0341	EA	21" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	1,141.36	
33 31 11 00-0342	EA	24" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	1,287.45	
33 31 11 00-0343	EA	30" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	2,304.19	
33 31 11 00-0344		Couplings And Plug Fittings *(33 31 11)*		
33 31 11 00-0345		Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Couplings *(33 31 11 00-0344)*		
		Note: For cast iron or plastic to cast iron to plastic pipe. Includes stainless steel clamps.		
33 31 11 00-0346	EA	1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-150)	20.81	7.11
33 31 11 00-0347	EA	2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-22)	22.72	8.30
33 31 11 00-0348	EA	3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-33)	26.45	9.48
33 31 11 00-0349	EA	4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-44)	30.11	10.08
33 31 11 00-0350	EA	5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-55)	37.35	10.67
33 31 11 00-0351	EA	6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-66)	44.63	11.86
33 31 11 00-0352	EA	8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-88)	57.58	13.04
33 31 11 00-0353	EA	10" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1010)	71.84	13.63
33 31 11 00-0354	EA	12" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1212)	121.41	14.23
33 31 11 00-0355	EA	15" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1515)	166.82	15.42
33 31 11 00-0356	EA	18" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1818)	326.37	16.00
33 31 11 00-0357	EA	21" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2121)	379.81	16.90
33 31 11 00-0358	EA	24" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2424)	421.13	17.79
33 31 11 00-0359	EA	27" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2727)	505.11	18.98
33 31 11 00-0360		Manhole Inside Bowl Drop *(33 31 11)*		
33 31 11 00-0361	EA	Inside Pipe Drop, 4" Outlet for 4' to 5' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A4DB)	344.49	
33 31 11 00-0362	EA	Inside Pipe Drop, 4" Outlet for 6' to 8' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A4R96)	361.34	
33 31 11 00-0363	EA	Inside Pipe Drop, 6" Outlet for 4' to 5' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A6DB)	370.47	
33 31 11 00-0364	EA	Inside Pipe Drop, 6" Outlet for 6' to 8' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A6R96)	383.30	
33 31 11 00-0365	EA	Inside Pipe Drop, 8" Outlet for 4' to 5' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A8DB)	398.39	
33 31 11 00-0366	EA	Inside Pipe Drop, 8" Outlet for 6' to 8' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A8DBR84)	427.53	
33 31 11 00-0367	EA	Inside Pipe Drop, 10" Outlet for 4' to 5' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A10DB)	445.22	
33 31 11 00-0368	EA	Inside Pipe Drop, 10" Outlet for 6' to 8' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A10R96)	459.79	
33 31 11 00-0369	EA	Inside Pipe Drop, 12" Outlet for 4' to 6' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner 24/12R60)	792.87	
33 31 11 00-0370	EA	Inside Pipe Drop, 12" Outlet for 7' to 8' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner 24/12R96)	814.73	

33 32 Sanitary Sewerage Equipment *(33 30)*

33 32 16 Packaged Wastewater Grinder Pump Assemblies *(33 32)*

33 32 16 00-0001		Submersible Grinder Pumps, Cast Iron With Bronze Impeller *(33 32 16)*		
33 32 16 00-0002	EA	2 HP Submersible Grinder Pump, 200/208, 230 Volt, 1 Phase, 3450 RPM, 1-1/2" Threaded Discharge Note: Zoeller 840 series.	2,187.87	351.43
33 32 16 00-0003	EA	2 HP Submersible Grinder Pump, 200/208, 230, 460 Volt, 3 Phase, 3450 RPM, 1-1/2" Threaded Discharge Note: Zoeller 840 series.	2,157.17	351.43
33 32 16 00-0004	EA	Simplex Control Panel With Auto Reversing Switch Note: For Zoeller 840 series grinder pump.	1,031.33	117.10
33 32 16 00-0005	EA	Duplex Control Panel With Auto Reversing Switch Note: For Zoeller 840 series grinder pump.	1,601.82	117.10
33 32 16 00-0006	EA	Grinder Pump, 120 Gallon Sewage Basin, 1 HP, 120 V (Environment One 2012-74)	13,716.40	
33 32 16 00-0007		Submersible Grinder Pumps *(33 32 16)* Note: Includes 50' of cord with pumps unless otherwise noted.		
33 32 16 00-0008	EA	2 HP Submersible Grinder Pump At 3,450 RPM, Explosion Proof	3,892.56	741.20
33 32 16 00-0009	EA	3 HP Submersible Grinder Pump At 3,450 RPM, Explosion Proof	5,791.43	864.74
33 32 16 00-0010	EA	5 HP Submersible Grinder Pump At 3,450 RPM, Explosion Proof	7,097.92	1,111.81

33 34 Onsite Wastewater Disposal *(33 30)*

Note: Excludes distribution field piping, trenching or excavation.

33 34 13 Septic Tanks *(33 34)*

33 34 13 13 Concrete Septic Tanks *(33 34 13)*

33 34 13 13-0001		Precast Concrete Septic Tank *(33 34 13 13)* Note: Includes external coating.		
33 34 13 13-0002	EA	1,000 Gallon Precast Septic Tank	4,262.19	741.20
		For Non-Traffic Rated, Deduct	*-837.98*	
33 34 13 13-0003	EA	1,250 Gallon Precast Septic Tank	5,131.75	818.17
		For Non-Traffic Rated, Deduct	*-1,031.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 34 13 13-0004	EA	1,500 Gallon Precast Septic Tank	5,967.41	895.01
		For Non-Traffic Rated, Deduct	*-1,217.14*	
33 34 13 13-0005	EA	2,000 Gallon Precast Septic Tank	7,682.98	972.83
		For Non-Traffic Rated, Deduct	*-1,623.01*	
33 34 13 13-0006	EA	2,500 Gallon Precast Septic Tank	9,130.76	1,343.43
		For Non-Traffic Rated, Deduct	*-1,871.76*	
33 34 13 13-0007	EA	4,000 Gallon Precast Septic Tank	24,503.00	1,853.01
		For Non-Traffic Rated, Deduct	*-5,557.49*	
33 34 13 13-0008	EA	5,000 Gallon Precast Septic Tank	44,633.96	2,779.52
		For Non-Traffic Rated, Deduct	*-10,308.53*	
33 34 13 13-0009	EA	7,500 Gallon Precast Septic Tank	49,947.62	3,891.32
		For Non-Traffic Rated, Deduct	*-11,303.04*	
33 34 13 13-0010	EA	10,000 Gallon Precast Septic Tank	61,258.82	4,655.76
		For Non-Traffic Rated, Deduct	*-13,894.06*	
33 34 13 13-0011	EA	12,500 Gallon Precast Septic Tank	72,349.03	5,767.56
		For Non-Traffic Rated, Deduct	*-16,311.45*	

33 34 13 23 Fiberglass Septic Tank *(33 34 13)*

33 34 13 23-0001 Fiberglass Septic Tank *(33 34 13 23)*

33 34 13 23-0002	EA	1,000 Gallon Fiberglass Septic Tank	4,788.27	555.90
33 34 13 23-0003	EA	1,250 Gallon Fiberglass Septic Tank	5,628.73	741.20
33 34 13 23-0004	EA	1,500 Gallon Fiberglass Septic Tank	6,499.93	671.78
33 34 13 23-0005	EA	2,000 Gallon Fiberglass Septic Tank	10,912.98	727.24
33 34 13 23-0006	EA	2,500 Gallon Fiberglass Septic Tank	13,690.23	1,008.04
33 34 13 23-0007	EA	4,000 Gallon Fiberglass Septic Tank	21,732.28	1,389.76
33 34 13 23-0008	EA	5,000 Gallon Fiberglass Septic Tank	32,251.99	2,084.64
33 34 13 23-0009	EA	7,500 Gallon Fiberglass Septic Tank	44,276.24	2,918.49
33 34 13 23-0010	EA	10,000 Gallon Fiberglass Septic Tank	54,340.70	3,488.24

33 34 13 33 Polyethylene Septic Tank *(33 34 13)*

33 34 13 33-0001 High-Density Polyethylene (HDPE) Septic Tank *(33 34 13 33)*

33 34 13 33-0002	EA	300 Gallon One Compartment One Manhole High-Density Polyethylene (HDPE) Septic Tank	1,318.74	215.58
33 34 13 33-0003	EA	500 Gallon One Compartment One Manhole High-Density Polyethylene (HDPE) Septic Tank	2,053.37	242.53
33 34 13 33-0004	EA	900 Gallon One Compartment Two Manhole High-Density Polyethylene (HDPE) Septic Tank	2,865.47	296.43
33 34 13 33-0005	EA	1,000 Gallon One Compartment Two Manhole High-Density Polyethylene (HDPE) Septic Tank	2,937.68	323.37
33 34 13 33-0006	EA	1,250 Gallon One Compartment Two Manhole High-Density Polyethylene (HDPE) Septic Tank	3,410.50	350.32
33 34 13 33-0007	EA	1,500 Gallon One Compartment Two Manhole High-Density Polyethylene (HDPE) Septic Tank	4,103.23	377.27
33 34 13 33-0008	EA	750 Gallon Two Compartment Two Manhole High-Density Polyethylene (HDPE) Septic Tank	2,892.73	269.48
33 34 13 33-0009	EA	1,000 Gallon Two Compartment Two Manhole High-Density Polyethylene (HDPE) Septic Tank	3,147.14	323.37
33 34 13 33-0010	EA	1,250 Gallon Two Compartment Two Manhole High-Density Polyethylene (HDPE) Septic Tank	3,708.97	350.32
33 34 13 33-0011	EA	1,500 Gallon Two Compartment Two Manhole High-Density Polyethylene (HDPE) Septic Tank	4,365.06	377.27

33 34 51 Drainage Field System *(33 34)*

33 34 51 00-0001 Leaching Pit - Precast Concrete *(33 34 51)*

Note: Includes external coating.

33 34 51 00-0002	EA	3' Diameter, 3' High, Precast Concrete Leaching Pit	1,005.59	108.71
33 34 51 00-0003	EA	4' Diameter, 3' High, Precast Concrete Leaching Pit	1,419.40	154.41
33 34 51 00-0004	EA	6' Diameter, 3' High, Precast Concrete Leaching Pit	1,890.64	185.30
33 34 51 00-0005	EA	8' Diameter, 4' High, Precast Concrete Leaching Pit	3,074.97	308.84
33 34 51 00-0006	EA	10' Diameter, 4' High, Precast Concrete Leaching Pit	4,495.17	432.37

33 34 53 Distribution Chambers *(33 34)*

33 34 53 13 Drainage Field Concrete Distribution Chambers *(33 34 53)*

33 34 53 13-0001 Concrete Distribution Boxes *(33 34 53 13)*

Note: Includes internal and external coating.

33 34 53 13-0002	EA	3 Outlet Concrete Distribution Box	364.68	76.30
33 34 53 13-0003	EA	5 Outlet Concrete Distribution Box	424.00	91.56
33 34 53 13-0004	EA	8 Outlet Concrete Distribution Box	750.38	106.82
33 34 53 13-0005	EA	12 Outlet Concrete Distribution Box	1,486.84	183.12

33 34 53 13-0006 Leaching Field Chambers - Precast Concrete *(33 34 53 13)*

33 34 53 13-0007	EA	Standard Leaching Field Chamber 13' x 3'-7" x 1'-4"	1,217.64	102.15
33 34 53 13-0008	EA	Heavy-Duty Leaching Field Chamber 13' x 3'-9" x 1'-6"	1,488.30	139.29

33 34 53 33 Drainage Field Polyethylene Distribution Chambers *(33 34 53)*

33 34 53 33-0001 Leaching Field Chambers - High-Density Polyethylene (HDPE) *(33 34 53 33)*

33 34 53 33-0002	LF	16" Wide x 11" High, High-Density Polyethylene (HDPE) Leaching Field Chamber	23.42	6.38
33 34 53 33-0003	LF	22" Wide x 12" High, High-Density Polyethylene (HDPE) Leaching Field Chamber	30.25	6.92
33 34 53 33-0004	LF	34" Wide x 12" High, High-Density Polyethylene (HDPE) Leaching Field Chamber	40.95	7.54
33 34 53 33-0005	LF	34" Wide x 16" High, High-Density Polyethylene (HDPE) Leaching Field Chamber	59.55	8.29

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 34 56 Drainage Field Dosing Chambers *(33 34)*

33 34 56 00-0001 Dosing Siphon *(33 34 56)*

33 34 56 00-0002	EA	Dosing Siphon With Electrical Connection And Solenoid Valve	6,143.60	
33 34 56 00-0003	EA	Solar Power Control For Dosing Siphon	4,230.09	
33 34 56 00-0004	EA	Electrical Power Control For Dosing Siphon	4,064.67	

33 40 Stormwater Utilities *(33)*

33 41 Subdrainage *(33 40)*

33 41 16 Subdrainage Piping *(33 41)*

33 41 16 13 Subdrainage Piping *(33 41 16)*

See CSI section 33 42 11 00-0241 for polyethylene drain pipe.

33 41 16 13-0001 Corrugated High-Density Polyethylene (HDPE) Drainage Piping *(33 41 16 13)*

33 41 16 13-0002 Single Wall, Corrugated High-Density Polyethylene (HDPE) Piping *(33 41 16 13-0001)*
Note: Excludes couplings and gaskets.

33 41 16 13-0003 Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Piping *(33 41 16 13-0002)*

33 41 16 13-0004	LF	4" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	6.79	5.58
		For <100, Add	*1.18*	
		For >1,000, Deduct	*-0.62*	
33 41 16 13-0005	LF	6" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	8.67	5.98
		For <100, Add	*1.33*	
		For >1,000, Deduct	*-0.73*	
33 41 16 13-0006	LF	8" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	11.03	6.28
		For <100, Add	*1.49*	
		For >1,000, Deduct	*-0.87*	
33 41 16 13-0007	LF	10" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	15.25	6.47
		For <100, Add	*1.73*	
		For >1,000, Deduct	*-1.09*	
33 41 16 13-0008	LF	12" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	18.02	7.07
		For <100, Add	*1.96*	
		For >1,000, Deduct	*-1.25*	
33 41 16 13-0009	LF	15" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	23.92	7.97
		For <100, Add	*2.39*	
		For >1,000, Deduct	*-1.59*	
33 41 16 13-0010	LF	18" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	37.65	12.68
		For <100, Add	*3.78*	
		For >1,000, Deduct	*-2.52*	
33 41 16 13-0011	LF	24" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	52.92	13.93
		For <100, Add	*4.74*	
		For >1,000, Deduct	*-3.34*	

33 41 16 13-0012 Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Piping *(33 41 16 13-0002)*

33 41 16 13-0013	LF	4" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	6.61	5.58
		For <100, Add	*1.17*	
		For >1,000, Deduct	*-0.61*	
33 41 16 13-0014	LF	6" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	8.59	5.98
		For <100, Add	*1.33*	
		For >1,000, Deduct	*-0.73*	
33 41 16 13-0015	LF	8" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	14.30	6.28
		For <100, Add	*1.66*	
		For >1,000, Deduct	*-1.03*	
33 41 16 13-0016	LF	10" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	16.97	6.47
		For <100, Add	*1.82*	
		For >1,000, Deduct	*-1.17*	
33 41 16 13-0017	LF	12" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	19.91	7.07
		For <100, Add	*2.06*	
		For >1,000, Deduct	*-1.35*	
33 41 16 13-0018	LF	15" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	23.72	7.97
		For <100, Add	*2.38*	
		For >1,000, Deduct	*-1.58*	
33 41 16 13-0019	LF	18" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	36.41	12.68
		For <100, Add	*3.72*	
		For >1,000, Deduct	*-2.45*	
33 41 16 13-0020	LF	24" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	50.95	13.93
		For <100, Add	*4.64*	
		For >1,000, Deduct	*-3.24*	

33 41 16 13-0021 Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe Fittings *(33 41 16 13-0001)*
Note: Excludes couplings and gaskets.

33 41 16 13-0022 Tees, Single Wall, Corrugated High-Density Polyethylene (HDPE) *(33 41 16 13-0021)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 16 13-0023	EA	4" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	49.66	25.50
33 41 16 13-0024	EA	6" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	59.31	29.76
33 41 16 13-0025	EA	8" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	101.26	36.14
33 41 16 13-0026	EA	10" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	130.71	44.64
33 41 16 13-0027	EA	12" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	199.46	53.14
33 41 16 13-0028	EA	15" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	452.04	69.44
33 41 16 13-0029	EA	18" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	536.22	93.52
33 41 16 13-0030	EA	24" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	1,043.62	106.28
33 41 16 13-0031		**Wyes, Single Wall, Corrugated High-Density Polyethylene (HDPE)** *(33 41 16 13-0021)*		
33 41 16 13-0032	EA	4" Wye, Single Wall, Corrugated High-Density Polyethylene (HDPE)	51.37	25.50
33 41 16 13-0033	EA	6" Wye, Single Wall, Corrugated High-Density Polyethylene (HDPE)	64.87	29.76
33 41 16 13-0034	EA	8" Wye, Single Wall, Corrugated High-Density Polyethylene (HDPE)	159.52	36.14
33 41 16 13-0035		**45 Degree Bends, Single Wall, Corrugated High-Density Polyethylene (HDPE)** *(33 41 16 13-0021)*		
33 41 16 13-0036	EA	4" 45 Degree Bend, Single Wall, Corrugated High-Density Polyethylene (HDPE)	33.68	17.01
33 41 16 13-0037		**90 Degree Bends, Single Wall, Corrugated High-Density Polyethylene (HDPE)** *(33 41 16 13-0021)*		
33 41 16 13-0038	EA	4" 90 Degree Bend, Single Wall, Corrugated High-Density Polyethylene (HDPE)	35.47	17.01
33 41 16 13-0039	EA	6" 90 Degree Bend, Single Wall, Corrugated High-Density Polyethylene (HDPE)	46.74	19.84
33 41 16 13-0040	EA	8" 90 Degree Bend, Single Wall, Corrugated High-Density Polyethylene (HDPE)	71.65	24.09
33 41 16 13-0041	EA	10" 90 Degree Bend, Single Wall, Corrugated High-Density Polyethylene (HDPE)	95.25	29.76
33 41 16 13-0042		**Perforated Polyvinyl Chloride (PVC) Drainage Piping, D2729** *(33 41 16 13)* Note: Includes fittings, couplings, elbows, etc.		
33 41 16 13-0043	LF	3" Perforated Polyvinyl Chloride (PVC) Drainage Piping	7.22	4.14
		For <100, Add	*0.98*	
		For >1,000, Deduct	*-0.57*	
33 41 16 13-0044	LF	4" Perforated Polyvinyl Chloride (PVC) Drainage Piping	7.90	4.48
		For <100, Add	*1.07*	
		For >1,000, Deduct	*-0.62*	
33 41 16 13-0045	LF	6" Perforated Polyvinyl Chloride (PVC) Drainage Piping	11.26	5.36
		For <100, Add	*1.37*	
		For >1,000, Deduct	*-0.83*	
33 41 16 13-0046	LF	8" Perforated Polyvinyl Chloride (PVC) Drainage Piping	17.71	6.70
		For <100, Add	*1.89*	
		For >1,000, Deduct	*-1.22*	
33 41 16 13-0047	LF	10" Perforated Polyvinyl Chloride (PVC) Drainage Piping	29.00	6.98
		For <100, Add	*2.50*	
		For >1,000, Deduct	*-1.80*	
33 41 16 13-0048	LF	12" Perforated Polyvinyl Chloride (PVC) Drainage Piping	37.10	7.62
		For <100, Add	*3.00*	
		For >1,000, Deduct	*-2.24*	
33 41 16 13-0049	LF	15" Perforated Polyvinyl Chloride (PVC) Drainage Piping	51.33	8.59
		For <100, Add	*3.86*	
		For >1,000, Deduct	*-3.00*	
33 41 16 13-0050		**Perforated Non-Reinforced Concrete Drainage Piping, C444** *(33 41 16 13)*		
33 41 16 13-0051	LF	6" Perforated Non-Reinforced Concrete Drainage Pipe	36.85	13.77
		For Extra Strength, Add	*2.02*	
		For >1,000, Deduct	*-1.84*	
33 41 16 13-0052	LF	8" Perforated Non-Reinforced Concrete Drainage Pipe	43.03	15.30
		For Extra Strength, Add	*2.49*	
		For >1,000, Deduct	*-2.15*	
33 41 16 13-0053	LF	10" Perforated Non-Reinforced Concrete Drainage Pipe	48.68	16.84
		For Extra Strength, Add	*2.89*	
		For >1,000, Deduct	*-2.43*	
33 41 16 13-0054	LF	12" Perforated Non-Reinforced Concrete Drainage Pipe	57.11	18.36
		For Extra Strength, Add	*3.63*	
		For >1,000, Deduct	*-2.86*	
33 41 16 13-0055		**Extra Strength Porous Non-Reinforced Concrete Drainage Piping, C654** *(33 41 16 13)* Note: Bell and spigot or tongue and groove. With seals and gaskets.		
33 41 16 13-0056	LF	6" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	30.60	13.77
		For >1,000, Deduct	*-1.53*	
33 41 16 13-0057	LF	8" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	33.86	15.30
		For >1,000, Deduct	*-1.69*	
33 41 16 13-0058	LF	10" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	37.35	16.84
		For >1,000, Deduct	*-1.87*	
33 41 16 13-0059	LF	12" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	42.62	17.49
		For >1,000, Deduct	*-2.13*	
33 41 16 13-0060	LF	15" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	49.49	19.68
		For >1,000, Deduct	*-2.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 16 13-0061	LF	18" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	61.24	25.14
		For >1,000, Deduct	*-3.06*	
33 41 16 13-0062	LF	21" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	76.50	32.25
		For >1,000, Deduct	*-3.83*	
33 41 16 13-0063	LF	24" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	93.27	39.35
		For >1,000, Deduct	*-4.66*	

33 41 16 13-0064 Standard Strength Porous Non-Reinforced Concrete Drainage Piping, C654 *(33 41 16 13)*

33 41 16 13-0065	LF	6" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe	28.54	13.77
		For >1,000, Deduct	*-1.43*	
33 41 16 13-0066	LF	8" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe	36.14	15.30
		For >1,000, Deduct	*-1.81*	
33 41 16 13-0067	LF	10" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe	45.62	16.84
		For >1,000, Deduct	*-2.28*	
33 41 16 13-0068	LF	12" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe	55.28	18.36
		For >1,000, Deduct	*-2.76*	
33 41 16 13-0069	LF	15" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe	63.29	20.43
		For >1,000, Deduct	*-3.16*	
33 41 16 13-0070	LF	18" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe	81.97	25.48
		For >1,000, Deduct	*-4.10*	

33 41 16 13-0071 Perforated Vitrified Clay Drainage Piping, C700 *(33 41 16 13)*

33 41 16 13-0072	LF	4" Perforated Vitrified Clay Drainage Pipe	28.23	15.30
33 41 16 13-0073	LF	6" Perforated Vitrified Clay Drainage Pipe	33.64	17.22
33 41 16 13-0074	LF	8" Perforated Vitrified Clay Drainage Pipe	38.15	17.22
33 41 16 13-0075	LF	10" Perforated Vitrified Clay Drainage Pipe	50.95	21.05
33 41 16 13-0076	LF	12" Perforated Vitrified Clay Drainage Pipe	60.39	22.96

33 41 16 13-0077 Geotextile Filter Fabric Sock *(33 41 16 13)*

33 41 16 13-0078	LF	3" Geotextile Filter Fabric Sock	0.90	
33 41 16 13-0079	LF	4" Geotextile Filter Fabric Sock	1.19	
33 41 16 13-0080	LF	6" Geotextile Filter Fabric Sock	1.79	
33 41 16 13-0081	LF	8" Geotextile Filter Fabric Sock	2.41	
33 41 16 13-0082	LF	10" Geotextile Filter Fabric Sock	3.60	
33 41 16 13-0083	LF	12" Geotextile Filter Fabric Sock	4.95	
33 41 16 13-0084	LF	15" Geotextile Filter Fabric Sock	5.93	

33 41 16 13-0085 Strip-Perforated, Galvanized, Corrugated Steel Pipe *(33 41 16 13)*

Note: Perforations are located in the bottom quarter points of the pipe.

33 41 16 13-0086	LF	6" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	26.39	6.56
		For Full Perforated, Add	*1.33*	
33 41 16 13-0087	LF	8" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	33.40	7.95
		For Full Perforated, Add	*1.75*	
33 41 16 13-0088	LF	10" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	42.12	10.09
		For Full Perforated, Add	*2.19*	
33 41 16 13-0089	LF	12" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	46.79	11.93
		For Full Perforated, Add	*2.29*	
33 41 16 13-0090	LF	15" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	53.52	12.34
		For Full Perforated, Add	*2.88*	
33 41 16 13-0091	LF	18" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	60.41	12.80
		For Full Perforated, Add	*3.48*	
33 41 16 13-0092	LF	21" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	69.06	13.80
		For Full Perforated, Add	*4.15*	

33 41 16 13-0093 Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe *(33 41 16 13)*

Note: Perforations are located in the bottom quarter points of the pipe.

33 41 16 13-0094	LF	6" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	28.52	6.56
		For Full Perforated, Add	*1.54*	
33 41 16 13-0095	LF	8" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	36.29	7.95
		For Full Perforated, Add	*2.04*	
33 41 16 13-0096	LF	10" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	45.65	10.09
		For Full Perforated, Add	*2.55*	
33 41 16 13-0097	LF	12" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	50.23	11.93
		For Full Perforated, Add	*2.64*	
33 41 16 13-0098	LF	15" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	57.77	12.34
		For Full Perforated, Add	*3.31*	
33 41 16 13-0099	LF	18" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	65.45	12.80
		For Full Perforated, Add	*3.99*	
33 41 16 13-0100	LF	21" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	74.93	13.80
		For Full Perforated, Add	*4.73*	

33 41 16 13-0101 Strip-Perforated, Corrugated Aluminum Pipe *(33 41 16 13)*

Note: Perforations are located in the bottom quarter points of the pipe.

33 41 16 13-0102	LF	6" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	29.21	6.56
		For Full Perforated, Add	*1.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 16 13-0103	LF	8" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	37.18	7.95
		For Full Perforated, Add	*2.13*	
33 41 16 13-0104	LF	10" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	46.78	10.09
		For Full Perforated, Add	*2.66*	
33 41 16 13-0105	LF	12" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	58.71	11.93
		For Full Perforated, Add	*3.49*	
33 41 16 13-0106	LF	15" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	68.32	12.34
		For Full Perforated, Add	*4.36*	
33 41 16 13-0107	LF	18" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	78.24	12.80
		For Full Perforated, Add	*5.27*	
33 41 16 13-0108	LF	21" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	89.84	13.80
		For Full Perforated, Add	*6.22*	

33 41 16 13-0109 Prefabricated Composite Drains *(33 41 16 13)*

33 41 16 13-0110 Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE) *(33 41 16 13-0109)*

Note: Excludes excavation and backfill. See CSI section 31 23 16 13-0000 for excavation and backfill.

33 41 16 13-0111	LF	12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	11.90	2.48
		For External Typar Geotextile Wrap, Add	*2.17*	
33 41 16 13-0112	EA	Coupler For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	54.40	
33 41 16 13-0113	EA	End Cap For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	54.40	
33 41 16 13-0114	EA	Side Outlet For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	104.72	
33 41 16 13-0115	EA	End Outlet For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	104.72	
33 41 16 13-0116	LF	18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	19.00	3.11
		For External Typar Geotextile Wrap, Add	*3.26*	
33 41 16 13-0117	EA	Coupler For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	80.23	
33 41 16 13-0118	EA	End Cap For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	80.23	
33 41 16 13-0119	EA	Side Outlet For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	137.37	
33 41 16 13-0120	EA	End Outlet For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	137.37	

33 41 19 Underslab Drainage *(33 41)*

33 41 19 13 Underslab Drainage Piping *(33 41 19)*

33 41 19 13-0001 Capillary Water Barrier Underslab Drainage *(33 41 19 13)*

Note: Consists of a layer of fine granular material overlying a coarse layer.

33 41 19 13-0002	CY	2" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage	70.01
33 41 19 13-0003	CY	4" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage	67.10
33 41 19 13-0004	CY	6" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage	65.93
33 41 19 13-0005	CY	8" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage	64.19

33 42 Stormwater Conveyance *(33 40)*

Note: Piping includes hydrostatic testing, disinfecting and warning tape. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 42 11 Stormwater Gravity Piping *(33 42)*

33 42 11 00-0001 Reinforced Concrete Piping *(33 42 11)*

Note: Includes detectable tracer wire.

33 42 11 00-0002 Class 3 Reinforced Concrete Pipe Without Gaskets *(33 42 11 00-0001)*

33 42 11 00-0003	LF	12" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	55.07	18.36
		For >1,000, Deduct	*-2.75*	
		For Class 4, Add	*2.74*	
		For Class 5, Add	*5.77*	
33 42 11 00-0004	LF	15" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	66.11	20.43
		For >1,000, Deduct	*-3.31*	
		For Class 4, Add	*3.51*	
		For Class 5, Add	*7.38*	
33 42 11 00-0005	LF	18" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	75.23	25.48
		For >1,000, Deduct	*-3.76*	
		For Class 4, Add	*3.69*	
		For Class 5, Add	*7.77*	
33 42 11 00-0006	LF	21" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	96.38	32.14
		For >1,000, Deduct	*-4.82*	
		For Class 4, Add	*4.79*	
		For Class 5, Add	*10.09*	
33 42 11 00-0007	LF	24" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	112.85	39.02
		For >1,000, Deduct	*-5.64*	
		For Class 4, Add	*5.42*	
		For Class 5, Add	*11.42*	
33 42 11 00-0008	LF	27" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	142.73	49.46
		For >1,000, Deduct	*-7.14*	
		For Class 4, Add	*6.85*	
		For Class 5, Add	*14.41*	
33 42 11 00-0009	LF	30" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	151.77	51.07
		For >1,000, Deduct	*-7.59*	
		For Class 4, Add	*7.41*	
		For Class 5, Add	*15.59*	

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33 42 11 00-0010	LF	36" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	187.79	58.04
		For >1,000, Deduct	*-9.39*	
		For Class 4, Add	*10.04*	
		For Class 5, Add	*21.14*	
33 42 11 00-0011	LF	42" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	243.28	63.85
		For >1,000, Deduct	*-12.16*	
		For Class 4, Add	*14.53*	
		For Class 5, Add	*30.59*	
33 42 11 00-0012	LF	48" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	291.31	71.10
		For >1,000, Deduct	*-14.57*	
		For Class 4, Add	*18.03*	
		For Class 5, Add	*37.95*	
33 42 11 00-0013	LF	54" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	362.44	81.26
		For >1,000, Deduct	*-18.12*	
		For Class 4, Add	*23.40*	
		For Class 5, Add	*49.27*	
33 42 11 00-0014	LF	60" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	437.64	94.25
		For >1,000, Deduct	*-21.88*	
		For Class 4, Add	*28.78*	
		For Class 5, Add	*60.60*	
33 42 11 00-0015	LF	66" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	674.22	104.47
		For >1,000, Deduct	*-33.71*	
		For Class 4, Add	*49.94*	
		For Class 5, Add	*105.13*	
33 42 11 00-0016	LF	72" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	786.53	113.75
		For >1,000, Deduct	*-39.33*	
		For Class 4, Add	*59.28*	
		For Class 5, Add	*124.80*	
33 42 11 00-0017	LF	78" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	945.75	127.68
		For >1,000, Deduct	*-47.29*	
		For Class 4, Add	*72.48*	
		For Class 5, Add	*152.59*	
33 42 11 00-0018	LF	84" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	1,218.07	142.19
		For >1,000, Deduct	*-60.90*	
		For Class 4, Add	*96.42*	
		For Class 5, Add	*202.99*	

33 42 11 00-0019 HE-I Elliptical Reinforced Concrete Piping Without Gaskets *(33 42 11 00-0001)*

33 42 11 00-0020	LF	12" x 18" Elliptical Reinforced Concrete Pipe Without Gaskets (15" Diameter Equivalent Round Size)	90.55	28.86
		For >1,000, Deduct	*-4.53*	
		For Horizontal Elliptical - II (HE- II), Add	*4.93*	
		For Horizontal Elliptical - III (HE- III), Add	*10.85*	
		For Horizontal Elliptical - IV (HE- IV), Add	*23.68*	
33 42 11 00-0021	LF	14" x 23" Elliptical Reinforced Concrete Pipe Without Gaskets (18" Diameter Equivalent Round Size)	132.43	33.88
		For >1,000, Deduct	*-6.62*	
		For Horizontal Elliptical - II (HE- II), Add	*8.40*	
		For Horizontal Elliptical - III (HE- III), Add	*18.48*	
		For Horizontal Elliptical - IV (HE- IV), Add	*40.32*	
33 42 11 00-0022	LF	19" x 30" Elliptical Reinforced Concrete Pipe Without Gaskets (24" Diameter Equivalent Round Size)	184.07	51.91
		For >1,000, Deduct	*-9.20*	
		For Horizontal Elliptical - II (HE- II), Add	*10.99*	
		For Horizontal Elliptical - III (HE- III), Add	*24.18*	
		For Horizontal Elliptical - IV (HE- IV), Add	*52.76*	
33 42 11 00-0023	LF	22" x 34" Elliptical Reinforced Concrete Pipe Without Gaskets (27" Diameter Equivalent Round Size)	216.86	65.78
		For >1,000, Deduct	*-10.84*	
		For Horizontal Elliptical - II (HE- II), Add	*12.29*	
		For Horizontal Elliptical - III (HE- III), Add	*27.03*	
		For Horizontal Elliptical - IV (HE- IV), Add	*58.98*	
33 42 11 00-0024	LF	24" x 38" Elliptical Reinforced Concrete Pipe Without Gaskets (30" Diameter Equivalent Round Size)	230.18	68.72
		For >1,000, Deduct	*-11.51*	
		For Horizontal Elliptical - II (HE- II), Add	*13.20*	
		For Horizontal Elliptical - III (HE- III), Add	*29.04*	
		For Horizontal Elliptical - IV (HE- IV), Add	*63.36*	
33 42 11 00-0025	LF	27" x 42" Elliptical Reinforced Concrete Pipe Without Gaskets (33" Diameter Equivalent Round Size)	264.17	72.57
		For >1,000, Deduct	*-13.21*	
		For Horizontal Elliptical - II (HE- II), Add	*16.05*	
		For Horizontal Elliptical - III (HE- III), Add	*35.31*	
		For Horizontal Elliptical - IV (HE- IV), Add	*77.04*	
33 42 11 00-0026	LF	29" x 45" Elliptical Reinforced Concrete Pipe Without Gaskets (36" Diameter Equivalent Round Size)	298.16	76.40
		For >1,000, Deduct	*-14.91*	
		For Horizontal Elliptical - II (HE- II), Add	*18.90*	
		For Horizontal Elliptical - III (HE- III), Add	*41.58*	
		For Horizontal Elliptical - IV (HE- IV), Add	*90.72*	
33 42 11 00-0027	LF	34" x 53" Elliptical Reinforced Concrete Pipe Without Gaskets (42" Diameter Equivalent Round Size)	363.25	84.07
		For >1,000, Deduct	*-18.16*	
		For Horizontal Elliptical - II (HE- II), Add	*24.32*	
		For Horizontal Elliptical - III (HE- III), Add	*53.49*	
		For Horizontal Elliptical - IV (HE- IV), Add	*116.71*	
33 42 11 00-0028	LF	38" x 60" Elliptical Reinforced Concrete Pipe Without Gaskets (48" Diameter Equivalent Round Size)	437.60	94.56
		For >1,000, Deduct	*-21.88*	
		For Horizontal Elliptical - II (HE- II), Add	*30.25*	
		For Horizontal Elliptical - III (HE- III), Add	*66.55*	
		For Horizontal Elliptical - IV (HE- IV), Add	*145.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0029	LF	43" x 68" Elliptical Reinforced Concrete Pipe Without Gaskets (54" Diameter Equivalent Round Size)	498.15	108.07
		For >1,000, Deduct	*-24.91*	
		For Horizontal Elliptical - II (HE- II), Add	*34.38*	
		For Horizontal Elliptical - III (HE- III), Add	*75.63*	
		For Horizontal Elliptical - IV (HE- IV), Add	*165.00*	
33 42 11 00-0030	LF	48" x 76" Elliptical Reinforced Concrete Pipe Without Gaskets (60" Diameter Equivalent Round Size)	616.81	125.36
		For >1,000, Deduct	*-30.84*	
		For Horizontal Elliptical - II (HE- II), Add	*43.77*	
		For Horizontal Elliptical - III (HE- III), Add	*96.30*	
		For Horizontal Elliptical - IV (HE- IV), Add	*210.11*	
33 42 11 00-0031	LF	53" x 83" Elliptical Reinforced Concrete Pipe without Gaskets (66" Diameter Equivalent Round Size)	703.95	138.13
33 42 11 00-0032	LF	58" x 91" Elliptical Reinforced Concrete Pipe without Gaskets (72" Diameter Equivalent Round Size)	853.50	150.90
33 42 11 00-0033	LF	63" x 98" Elliptical Reinforced Concrete Pipe without Gaskets (78" Diameter Equivalent Round Size)	1,019.43	170.63
33 42 11 00-0034	LF	68" x 106" Elliptical Reinforced Concrete Pipe without Gaskets (84" Diameter Equivalent Round Size)	1,103.64	189.21
33 42 11 00-0035	LF	72" x 113" Elliptical Reinforced Concrete Pipe without Gaskets (90" Diameter Equivalent Round Size)	1,412.95	198.49
33 42 11 00-0036	LF	77" x 121" Elliptical Reinforced Concrete Pipe without Gaskets (96" Diameter Equivalent Round Size)	1,637.28	207.78
33 42 11 00-0037		**Concrete Reducing Wye Without Gaskets** *(33 42 11 00-0001)*		
33 42 11 00-0038	EA	12" Concrete Reducing Wye Without Gaskets	669.80	69.96
33 42 11 00-0039	EA	15" Concrete Reducing Wye Without Gaskets	803.24	85.26
33 42 11 00-0040	EA	18" Concrete Reducing Wye Without Gaskets	992.50	94.01
33 42 11 00-0041	EA	21" Concrete Reducing Wye Without Gaskets	1,139.11	115.87
33 42 11 00-0042	EA	24" Concrete Reducing Wye Without Gaskets	1,287.42	139.92
33 42 11 00-0043		**Concrete Pipe Joint Gaskets** *(33 42 11 00-0001)*		
33 42 11 00-0044	EA	12" Diameter Concrete Pipe Joint Gasket	6.39	
33 42 11 00-0045	EA	15" Diameter Concrete Pipe Joint Gasket	7.56	
33 42 11 00-0046	EA	18" Diameter Concrete Pipe Joint Gasket	8.76	
33 42 11 00-0047	EA	21" Diameter Concrete Pipe Joint Gasket	10.59	
33 42 11 00-0048	EA	24" Diameter Concrete Pipe Joint Gasket	12.41	
33 42 11 00-0049	EA	27" Diameter Concrete Pipe Joint Gasket	13.83	
33 42 11 00-0050	EA	30" Diameter Concrete Pipe Joint Gasket	15.19	
33 42 11 00-0051	EA	36" Diameter Concrete Pipe Joint Gasket	18.56	
33 42 11 00-0052	EA	42" Diameter Concrete Pipe Joint Gasket	21.52	
33 42 11 00-0053	EA	48" Diameter Concrete Pipe Joint Gasket	24.82	
33 42 11 00-0054	EA	54" Diameter Concrete Pipe Joint Gasket	30.42	
33 42 11 00-0055	EA	60" Diameter Concrete Pipe Joint Gasket	45.03	
33 42 11 00-0056	EA	66" Diameter Concrete Pipe Joint Gasket	46.80	
33 42 11 00-0057	EA	72" Diameter Concrete Pipe Joint Gasket	48.53	
33 42 11 00-0058	EA	78" Diameter Concrete Pipe Joint Gasket	55.89	
33 42 11 00-0059	EA	84" Diameter Concrete Pipe Joint Gasket	67.00	
33 42 11 00-0060		**Couplings** *(33 42 11 00-0001)*		
33 42 11 00-0061		**Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Couplings** *(33 42 11 00-0060)*		
		Note: For concrete to cast iron or plastic pipe. Includes stainless steel clamps. Fernco 1006.		
33 42 11 00-0062	EA	4" x 3" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	38.67	
33 42 11 00-0063	EA	4" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	35.84	
33 42 11 00-0064	EA	6" x 4" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	60.14	
33 42 11 00-0065	EA	6" x 5" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	62.41	
33 42 11 00-0066	EA	6" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	58.06	
33 42 11 00-0067	EA	8" x 6" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	88.25	
33 42 11 00-0068	EA	8" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	76.43	
33 42 11 00-0069	EA	10" x 8" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	110.80	
33 42 11 00-0070	EA	10" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	98.33	
33 42 11 00-0071	EA	12" x 10" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	133.68	
33 42 11 00-0072	EA	12" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	112.08	
33 42 11 00-0073	EA	15" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	345.66	
33 42 11 00-0074		**Precast Concrete Cut Off Wall** *(33 42 11 00-0001)*		
33 42 11 00-0075	EA	12" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	294.39	204.29
33 42 11 00-0076	EA	15" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	363.16	253.05
33 42 11 00-0077	EA	18" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	450.48	320.37
33 42 11 00-0078	EA	21" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	533.17	383.06
33 42 11 00-0079	EA	24" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	613.42	443.30
33 42 11 00-0080	EA	27" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	756.58	566.46
33 42 11 00-0081	EA	30" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	990.34	780.04
33 42 11 00-0082	EA	36" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	1,234.83	984.34
33 42 11 00-0083	EA	42" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	1,525.14	1,234.83
33 42 11 00-0084	EA	48" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	1,707.13	1,391.77
33 42 11 00-0085	EA	54" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	1,906.09	1,560.09
33 42 11 00-0086	EA	60" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	2,107.87	1,733.04
33 42 11 00-0087	EA	66" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	2,190.25	1,799.20
33 42 11 00-0088	EA	72" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	2,262.71	1,857.24
33 42 11 00-0089	EA	78" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	2,335.15	1,915.27
33 42 11 00-0090	EA	84" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	2,409.42	1,973.32

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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0091		**Strap Assembly** *(33 42 11 00-0001)*		
		Note: Includes drilling holes in concrete pipe, setting threaded rod, bolts, and mounting the 12' strap.		
33 42 11 00-0092	EA	Up To 24" Diameter Pipe, 12' Strap Assembly	257.68	
33 42 11 00-0093	EA	>24" Diameter Pipe, 12' Strap Assembly	364.11	
33 42 11 00-0094		**Prestressed Concrete Cylinder Piping** *(33 42 11)*		
		Note: Includes detectable tracer wire.		
33 42 11 00-0095		**150 PSI Prestressed Concrete Cylinder Pipe And Fittings** *(33 42 11 00-0094)*		
33 42 11 00-0096		**150 PSI Prestressed Concrete Cylinder Pipe With Gaskets** *(33 42 11 00-0095)*		
		Note: Lined-cylinder pipe (AWWA C301) up to 48". Embedded-cylinder pipe (AWWA C301) >48".		
33 42 11 00-0097	LF	12" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	150.44	18.36
		For >1,000, Deduct	*-7.52*	
		For 100 PSI, Deduct	*-31.05*	
33 42 11 00-0098	LF	15" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	160.58	20.43
		For >1,000, Deduct	*-8.03*	
		For 100 PSI, Deduct	*-32.85*	
33 42 11 00-0099	LF	18" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	174.98	25.48
		For >1,000, Deduct	*-8.75*	
		For 100 PSI, Deduct	*-34.65*	
33 42 11 00-0100	LF	21" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	191.69	32.14
		For >1,000, Deduct	*-9.58*	
		For 100 PSI, Deduct	*-36.45*	
33 42 11 00-0101	LF	24" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	208.72	39.02
		For >1,000, Deduct	*-10.44*	
		For 100 PSI, Deduct	*-38.24*	
33 42 11 00-0102	LF	30" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	245.09	51.07
		For >1,000, Deduct	*-12.25*	
		For 100 PSI, Deduct	*-42.82*	
33 42 11 00-0103	LF	36" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	271.64	58.04
		For >1,000, Deduct	*-13.58*	
		For 100 PSI, Deduct	*-47.39*	
33 42 11 00-0104	LF	42" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	315.18	63.85
		For >1,000, Deduct	*-15.76*	
		For 100 PSI, Deduct	*-56.22*	
33 42 11 00-0105	LF	48" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	361.74	71.10
		For >1,000, Deduct	*-18.09*	
		For 100 PSI, Deduct	*-65.04*	
33 42 11 00-0106	LF	54" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	477.24	90.63
		For >1,000, Deduct	*-23.86*	
		For 100 PSI, Deduct	*-86.94*	
33 42 11 00-0107	LF	60" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	575.09	105.13
		For >1,000, Deduct	*-28.75*	
		For 100 PSI, Deduct	*-106.23*	
33 42 11 00-0108	LF	66" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	646.19	116.52
		For >1,000, Deduct	*-32.31*	
		For 100 PSI, Deduct	*-120.12*	
33 42 11 00-0109	LF	72" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	720.56	126.88
		For >1,000, Deduct	*-36.03*	
		For 100 PSI, Deduct	*-134.83*	
33 42 11 00-0110	LF	78" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	818.40	142.42
		For >1,000, Deduct	*-40.92*	
		For 100 PSI, Deduct	*-153.62*	
33 42 11 00-0111	LF	84" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	916.23	158.60
		For >1,000, Deduct	*-45.81*	
		For 100 PSI, Deduct	*-172.41*	
33 42 11 00-0112	LF	90" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	1,131.57	185.15
		For >1,000, Deduct	*-56.58*	
		For 100 PSI, Deduct	*-216.54*	
33 42 11 00-0113	LF	96" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	1,331.64	211.43
		For >1,000, Deduct	*-66.58*	
		For 100 PSI, Deduct	*-257.40*	
33 42 11 00-0114	LF	102" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	1,553.27	229.30
		For >1,000, Deduct	*-77.66*	
		For 100 PSI, Deduct	*-306.42*	
33 42 11 00-0115	LF	108" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	1,753.33	243.51
		For >1,000, Deduct	*-87.67*	
		For 100 PSI, Deduct	*-351.37*	
33 42 11 00-0116	LF	114" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	2,116.80	257.70
		For >1,000, Deduct	*-105.84*	
		For 100 PSI, Deduct	*-437.16*	
33 42 11 00-0117	LF	120" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	2,462.22	270.71
		For >1,000, Deduct	*-123.11*	
		For 100 PSI, Deduct	*-518.88*	
33 42 11 00-0118	LF	126" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	2,683.43	283.71
		For >1,000, Deduct	*-134.17*	
		For 100 PSI, Deduct	*-569.54*	
33 42 11 00-0119	LF	132" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	2,907.92	296.71
		For >1,000, Deduct	*-145.40*	
		For 100 PSI, Deduct	*-621.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0120	LF	138" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	3,130.77	309.71
		For >1,000, Deduct	*-156.54*	
		For 100 PSI, Deduct	*-672.09*	
33 42 11 00-0121	LF	144" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	3,353.63	322.71
		For >1,000, Deduct	*-167.68*	
		For 100 PSI, Deduct	*-723.16*	
33 42 11 00-0122		150 PSI Prestressed Concrete Cylinder 90 Degree Elbows With Gaskets *(33 42 11 00-0095)*		
33 42 11 00-0123	EA	12" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	511.03	172.16
33 42 11 00-0124	EA	15" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	707.63	245.95
33 42 11 00-0125	EA	18" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	910.82	327.93
33 42 11 00-0126	EA	21" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,114.01	409.93
33 42 11 00-0127	EA	24" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,353.26	509.40
33 42 11 00-0128	EA	30" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,732.18	683.21
33 42 11 00-0129	EA	36" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	2,147.72	812.54
33 42 11 00-0130	EA	42" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	2,501.38	948.35
33 42 11 00-0131	EA	48" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	2,817.21	1,083.01
33 42 11 00-0132	EA	54" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	3,466.99	1,352.30
33 42 11 00-0133	EA	60" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	4,499.49	1,812.63
33 42 11 00-0134	EA	66" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	5,016.39	2,006.84
33 42 11 00-0135	EA	72" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	5,533.30	2,201.05
33 42 11 00-0136	EA	78" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	6,664.01	2,524.73
33 42 11 00-0137	EA	84" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	7,787.59	2,848.42
33 42 11 00-0138	EA	90" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	9,219.83	3,236.84
33 42 11 00-0139	EA	96" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	10,644.95	3,625.26
33 42 11 00-0140	EA	102" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	14,220.41	4,610.11
33 42 11 00-0141	EA	108" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	17,714.67	5,532.13
33 42 11 00-0142	EA	114" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	23,031.07	7,376.18
33 42 11 00-0143	EA	120" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	28,260.19	9,220.22
33 42 11 00-0144	EA	126" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	31,871.68	9,944.66
33 42 11 00-0145	EA	132" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	35,488.08	10,669.11
33 42 11 00-0146	EA	138" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	46,197.42	11,393.56
33 42 11 00-0147	EA	144" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	42,794.39	12,118.00
33 42 11 00-0148		150 PSI Prestressed Concrete Cylinder 45 Degree Elbows With Gaskets *(33 42 11 00-0095)*		
33 42 11 00-0149	EA	12" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	477.69	172.16
33 42 11 00-0150	EA	15" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	664.49	245.95
33 42 11 00-0151	EA	18" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	859.83	327.93
33 42 11 00-0152	EA	21" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,055.18	409.93
33 42 11 00-0153	EA	24" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,286.58	509.40
33 42 11 00-0154	EA	30" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,640.66	637.30
33 42 11 00-0155	EA	36" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	2,043.13	812.54
33 42 11 00-0156	EA	42" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	2,380.45	948.35
33 42 11 00-0157	EA	48" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	2,687.13	1,083.01
33 42 11 00-0158	EA	54" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	3,279.68	1,352.30
33 42 11 00-0159	EA	60" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	4,323.41	1,812.63
33 42 11 00-0160	EA	66" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	4,827.56	2,006.84
33 42 11 00-0161	EA	72" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	5,331.71	2,201.05
33 42 11 00-0162	EA	78" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	6,193.45	2,524.73
33 42 11 00-0163	EA	84" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	7,048.06	2,848.42
33 42 11 00-0164	EA	90" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	8,286.55	3,236.84
33 42 11 00-0165	EA	96" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	9,517.91	3,625.26
33 42 11 00-0166	EA	102" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	12,403.15	4,531.58
33 42 11 00-0167	EA	108" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	15,521.30	5,532.13
33 42 11 00-0168	EA	114" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	20,304.05	7,376.18
33 42 11 00-0169	EA	120" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	24,999.53	9,220.22
33 42 11 00-0170	EA	126" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	27,893.10	9,944.66
33 42 11 00-0171	EA	132" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	30,791.57	12,118.00
33 42 11 00-0172	EA	138" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	33,700.35	11,393.56
33 42 11 00-0173	EA	144" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	36,965.26	12,118.00
33 42 11 00-0174		400 PSI Prestressed Concrete Cylinder Pipe With Regular Joints *(33 42 11 00-0094)*		
33 42 11 00-0175		400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints *(33 42 11 00-0174)*		
		Note: AWWA C301		
33 42 11 00-0176	LF	30" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints	288.08	51.07
		For >1,000, Deduct	*-14.40*	
33 42 11 00-0177	LF	36" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints	351.03	58.04
		For >1,000, Deduct	*-17.55*	
33 42 11 00-0178	LF	42" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints	409.43	63.85
		For >1,000, Deduct	*-20.47*	
33 42 11 00-0179		400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints *(33 42 11 00-0174)*		
		Note: AWWA C301		

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LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0180	LF	48" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints	551.05	71.04
		For >1,000, Deduct	*-27.55*	
33 42 11 00-0181	LF	54" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints	658.94	90.63
		For >1,000, Deduct	*-32.95*	
33 42 11 00-0182	LF	60" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints	759.65	105.13
		For >1,000, Deduct	*-37.98*	
33 42 11 00-0183	LF	66" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints	855.17	116.52
		For >1,000, Deduct	*-42.76*	
33 42 11 00-0184	LF	72" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints	1,035.52	126.88
		For >1,000, Deduct	*-51.78*	

33 42 11 00-0185 Welded Joints For Prestressed Concrete Cylinder Pipe *(33 42 11 00-0174)*

Note: All pipe joints to be exposed and dewatered. Internal joint welding also requires joints to be ventilated and air quality checked.

33 42 11 00-0186	EA	30" Welded Joint For Prestressed Concrete Cylinder Pipe	2,535.74
33 42 11 00-0187	EA	36" Welded Joint For Prestressed Concrete Cylinder Pipe	2,723.57
33 42 11 00-0188	EA	42" Welded Joint For Prestressed Concrete Cylinder Pipe	2,817.49
33 42 11 00-0189	EA	48" Welded Joint For Prestressed Concrete Cylinder Pipe	3,193.16
33 42 11 00-0190	EA	54" Welded Joint For Prestressed Concrete Cylinder Pipe	3,287.07
33 42 11 00-0191	EA	60" Welded Joint For Prestressed Concrete Cylinder Pipe	3,474.90
33 42 11 00-0192	EA	66" Welded Joint For Prestressed Concrete Cylinder Pipe	3,568.82
33 42 11 00-0193	EA	72" Welded Joint For Prestressed Concrete Cylinder Pipe	3,662.74
33 42 11 00-0194	EA	30" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	4,695.82
33 42 11 00-0195	EA	36" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	4,695.82
33 42 11 00-0196	EA	42" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	5,353.23
33 42 11 00-0197	EA	48" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	5,353.23
33 42 11 00-0198	EA	54" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	5,728.90
33 42 11 00-0199	EA	60" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	5,728.90
33 42 11 00-0200	EA	66" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	6,198.48
33 42 11 00-0201	EA	72" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	6,198.48

33 42 11 00-0202 Quick Test Joints *(33 42 11 00-0174)*

33 42 11 00-0203	EA	30" Quick Test Joint	639.99
33 42 11 00-0204	EA	36" Quick Test Joint	645.80
33 42 11 00-0205	EA	42" Quick Test Joint	651.60
33 42 11 00-0206	EA	48" Quick Test Joint	664.94
33 42 11 00-0207	EA	54" Quick Test Joint	694.17
33 42 11 00-0208	EA	60" Quick Test Joint	719.67
33 42 11 00-0209	EA	66" Quick Test Joint	757.72
33 42 11 00-0210	EA	72" Quick Test Joint	795.76

33 42 11 00-0211 Harnessed Joints *(33 42 11 00-0174)*

33 42 11 00-0212 Harness Clamp Restrained Joints *(33 42 11 00-0211)*

33 42 11 00-0213	EA	30" Harness Clamp Restrained Joint	12,060.67
33 42 11 00-0214	EA	36" Harness Clamp Restrained Joint	12,526.78
33 42 11 00-0215	EA	42" Harness Clamp Restrained Joint	12,992.88
33 42 11 00-0216	EA	48" Harness Clamp Restrained Joint	13,458.98
33 42 11 00-0217	EA	54" Harness Clamp Restrained Joint	13,938.48
33 42 11 00-0218	EA	60" Harness Clamp Restrained Joint	14,641.88
33 42 11 00-0219	EA	66" Harness Clamp Restrained Joint	15,115.13
33 42 11 00-0220	EA	72" Harness Clamp Restrained Joint	16,186.76

33 42 11 00-0221 Snap Ring Restrained Joints *(33 42 11 00-0211)*

33 42 11 00-0222	EA	30" Snap Ring Restrained Joint	1,934.06
33 42 11 00-0223	EA	36" Snap Ring Restrained Joint	2,216.05
33 42 11 00-0224	EA	42" Snap Ring Restrained Joint	3,004.36
33 42 11 00-0225	EA	48" Snap Ring Restrained Joint	3,424.43
33 42 11 00-0226	EA	54" Snap Ring Restrained Joint	3,857.90
33 42 11 00-0227	EA	60" Snap Ring Restrained Joint	4,377.18
33 42 11 00-0228	EA	66" Snap Ring Restrained Joint	4,850.43
33 42 11 00-0229	EA	72" Snap Ring Restrained Joint	5,415.73

33 42 11 00-0230 Pipe Repairs *(33 42 11 00-0174)*

Note: For repair of damaged or defective lined or embedded cylinder concrete pipe. Includes 2 concrete adapters, MJDI sleeve, 20' pipe.

33 42 11 00-0231 Lined Cylinder Pipe Repair *(33 42 11 00-0230)*

33 42 11 00-0232	EA	30" Lined Cylinder Pipe Repair	6,556.37
33 42 11 00-0233	EA	36" Lined Cylinder Pipe Repair	8,117.77
33 42 11 00-0234	EA	42" Lined Cylinder Pipe Repair	11,049.69

33 42 11 00-0235 Embedded Cylinder Pipe Repair *(33 42 11 00-0230)*

Note: Field welded concrete enclosure assembly with concrete pipe.

33 42 11 00-0236	EA	48" Embedded Cylinder Pipe Repair	16,488.78
33 42 11 00-0237	EA	54" Embedded Cylinder Pipe Repair	19,153.06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0238	EA	60" Embedded Cylinder Pipe Repair	21,836.72	
33 42 11 00-0239	EA	66" Embedded Cylinder Pipe Repair	24,671.76	
33 42 11 00-0240	EA	72" Embedded Cylinder Pipe Repair	29,686.72	

33 42 11 00-0241 High-Density Polyethylene (HDPE) Drainage Piping *(33 42 11)*
Note: Includes detectable tracer wire.

33 42 11 00-0242 Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Piping *(33 42 11 00-0241)*
Note: Excludes couplings and gaskets.

33 42 11 00-0243 Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Piping *(33 42 11 00-0242)*

33 42 11 00-0244	LF	4" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	16.94	7.49
		For <100, Add	*3.00*	
		For >1,000, Deduct	*-1.60*	
33 42 11 00-0245	LF	6" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	22.41	8.71
		For <100, Add	*3.48*	
		For >1,000, Deduct	*-1.99*	
33 42 11 00-0246	LF	8" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	27.73	10.13
		For <100, Add	*4.05*	
		For >1,000, Deduct	*-2.40*	
33 42 11 00-0247	LF	10" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	31.75	10.49
		For <100, Add	*4.19*	
		For >1,000, Deduct	*-2.64*	
33 42 11 00-0248	LF	12" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	33.41	10.86
		For <100, Add	*4.34*	
		For >1,000, Deduct	*-2.76*	
33 42 11 00-0249	LF	15" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	38.19	11.24
		For <100, Add	*4.50*	
		For >1,000, Deduct	*-3.03*	
33 42 11 00-0250	LF	18" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	46.72	11.65
		For <100, Add	*4.66*	
		For >1,000, Deduct	*-3.50*	
33 42 11 00-0251	LF	24" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	64.59	13.65
		For <100, Add	*5.46*	
		For >1,000, Deduct	*-4.59*	
33 42 11 00-0252	LF	30" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	91.85	18.36
		For <100, Add	*7.35*	
		For >1,000, Deduct	*-6.43*	
33 42 11 00-0253	LF	36" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	120.93	23.22
		For <100, Add	*9.29*	
		For >1,000, Deduct	*-8.37*	

33 42 11 00-0254 Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Piping *(33 42 11 00-0242)*

33 42 11 00-0255	LF	12" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	33.20	10.86
		For <100, Add	*4.34*	
		For >1,000, Deduct	*-2.75*	
33 42 11 00-0256	LF	15" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	39.01	11.24
		For <100, Add	*4.50*	
		For >1,000, Deduct	*-3.07*	
33 42 11 00-0257	LF	18" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	47.96	11.65
		For <100, Add	*4.66*	
		For >1,000, Deduct	*-3.56*	
33 42 11 00-0258	LF	24" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	66.56	13.65
		For <100, Add	*5.46*	
		For >1,000, Deduct	*-4.69*	
33 42 11 00-0259	LF	30" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	97.22	18.36
		For <100, Add	*7.35*	
		For >1,000, Deduct	*-6.70*	
33 42 11 00-0260	LF	36" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	124.93	23.22
		For <100, Add	*9.29*	
		For >1,000, Deduct	*-8.57*	
33 42 11 00-0261	LF	42" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	163.97	25.33
		For <100, Add	*10.13*	
		For >1,000, Deduct	*-10.73*	
33 42 11 00-0262	LF	48" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	178.59	28.58
		For <100, Add	*11.43*	
		For >1,000, Deduct	*-11.79*	

33 42 11 00-0263 Perforated, Corrugated High-Density Polyethylene (HDPE) Piping *(33 42 11 00-0241)*
Note: Excludes couplings and gaskets.

33 42 11 00-0264 Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Piping *(33 42 11 00-0263)*

33 42 11 00-0265	LF	4" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	17.98	7.49
		For <100, Add	*3.00*	
		For >1,000, Deduct	*-1.65*	

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LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0266	LF	6" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	22.45	8.71
		For <100, Add	*3.48*	
		For >1,000, Deduct	*-1.99*	
33 42 11 00-0267	LF	8" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	27.73	10.13
		For <100, Add	*4.05*	
		For >1,000, Deduct	*-2.40*	
33 42 11 00-0268	LF	10" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	31.79	10.49
		For <100, Add	*4.19*	
		For >1,000, Deduct	*-2.64*	
33 42 11 00-0269	LF	12" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	33.41	10.86
		For <100, Add	*4.34*	
		For >1,000, Deduct	*-2.76*	
33 42 11 00-0270	LF	15" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	38.22	11.24
		For <100, Add	*4.50*	
		For >1,000, Deduct	*-3.04*	
33 42 11 00-0271	LF	18" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	46.76	11.65
		For <100, Add	*4.66*	
		For >1,000, Deduct	*-3.50*	
33 42 11 00-0272	LF	24" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	64.59	13.65
		For <100, Add	*5.46*	
		For >1,000, Deduct	*-4.59*	
33 42 11 00-0273	LF	30" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	92.19	18.36
		For <100, Add	*7.35*	
		For >1,000, Deduct	*-6.45*	
33 42 11 00-0274	LF	36" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	120.93	23.22
		For <100, Add	*9.29*	
		For >1,000, Deduct	*-8.37*	

33 42 11 00-0275 Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Piping *(33 42 11 00-0263)*

33 42 11 00-0276	LF	12" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	33.24	10.86
		For <100, Add	*4.34*	
		For >1,000, Deduct	*-2.75*	
33 42 11 00-0277	LF	15" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	39.05	11.24
		For <100, Add	*4.50*	
		For >1,000, Deduct	*-3.08*	
33 42 11 00-0278	LF	18" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	48.00	11.65
		For <100, Add	*4.66*	
		For >1,000, Deduct	*-3.57*	
33 42 11 00-0279	LF	24" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	66.56	13.65
		For <100, Add	*5.46*	
		For >1,000, Deduct	*-4.69*	
33 42 11 00-0280	LF	30" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	97.22	18.36
		For <100, Add	*7.35*	
		For >1,000, Deduct	*-6.70*	
33 42 11 00-0281	LF	36" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	124.93	23.22
		For <100, Add	*9.29*	
		For >1,000, Deduct	*-8.57*	
33 42 11 00-0282	LF	42" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	163.97	25.33
		For <100, Add	*10.13*	
		For >1,000, Deduct	*-10.73*	
33 42 11 00-0283	LF	48" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	178.59	28.58
		For <100, Add	*11.43*	
		For >1,000, Deduct	*-11.79*	

33 42 11 00-0284 Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe Fittings *(33 42 11 00-0241)*

Note: Excludes couplings and gaskets.

33 42 11 00-0285 Tees, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) *(33 42 11 00-0284)*

33 42 11 00-0286	EA	4" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	77.36	25.50
33 42 11 00-0287	EA	6" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	98.20	29.76
33 42 11 00-0288	EA	8" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	163.70	36.14
33 42 11 00-0289	EA	10" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	254.22	44.64
33 42 11 00-0290	EA	12" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	408.60	53.14
33 42 11 00-0291	EA	15" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	579.10	69.44
33 42 11 00-0292	EA	18" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	835.55	93.52
33 42 11 00-0293	EA	24" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	1,076.74	106.75
33 42 11 00-0294	EA	30" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	1,908.36	123.29
33 42 11 00-0295	EA	36" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	2,457.84	142.41
33 42 11 00-0296	EA	42" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	4,120.68	170.04
33 42 11 00-0297	EA	48" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	5,177.12	201.94

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 42 11 00-0298 Wyes, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) *(33 42 11 00-0284)*

33 42 11 00-0299	EA	4" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	118.50	25.50
33 42 11 00-0300	EA	6" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	143.35	29.76
33 42 11 00-0301	EA	8" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	192.20	36.14
33 42 11 00-0302	EA	10" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	285.64	44.64
33 42 11 00-0303	EA	12" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	509.69	53.14
33 42 11 00-0304	EA	15" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	548.09	69.44
33 42 11 00-0305	EA	18" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	775.22	93.52

33 42 11 00-0306 22-1/2 Degree Bends, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) *(33 42 11 00-0284)*

33 42 11 00-0307	EA	4" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	46.41	17.01
33 42 11 00-0308	EA	6" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	57.76	19.84
33 42 11 00-0309	EA	8" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	86.31	24.09
33 42 11 00-0310	EA	10" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	108.87	29.76
33 42 11 00-0311	EA	12" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	161.21	35.43
33 42 11 00-0312	EA	15" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	259.19	45.35
33 42 11 00-0313	EA	18" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	342.55	62.35
33 42 11 00-0314	EA	24" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	670.12	70.85
33 42 11 00-0315	EA	30" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	937.98	82.19
33 42 11 00-0316	EA	36" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	1,099.76	94.94
33 42 11 00-0317	EA	42" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	1,408.82	113.36
33 42 11 00-0318	EA	48" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	1,912.41	134.61

33 42 11 00-0319 45 Degree Bends, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) *(33 42 11 00-0284)*

33 42 11 00-0320	EA	4" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	50.91	17.01
33 42 11 00-0321	EA	6" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	67.14	19.84
33 42 11 00-0322	EA	8" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	91.10	24.09
33 42 11 00-0323	EA	10" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	147.82	29.76
33 42 11 00-0324	EA	12" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	161.21	35.43
33 42 11 00-0325	EA	15" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	258.41	45.35
33 42 11 00-0326	EA	18" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	405.36	62.35
33 42 11 00-0327	EA	24" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	718.65	70.85
33 42 11 00-0328	EA	30" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	940.29	82.19
33 42 11 00-0329	EA	36" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	1,204.35	94.94
33 42 11 00-0330	EA	42" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	1,812.48	113.36
33 42 11 00-0331	EA	48" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	2,274.20	134.61

33 42 11 00-0332 Couplings And End Caps, Corrugated High-Density Polyethylene (HDPE) Pipe Fittings *(33 42 11 00-0241)*

Note: For single and double wall high-density polyethylene (HDPE) piping.

33 42 11 00-0333 Couplings, Corrugated High-Density Polyethylene (HDPE) Pipe *(33 42 11 00-0332)*

33 42 11 00-0334	EA	4" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	2.68	
33 42 11 00-0335	EA	6" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	4.82	
33 42 11 00-0336	EA	8" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	7.41	
33 42 11 00-0337	EA	10" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	9.12	
33 42 11 00-0338	EA	12" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	9.81	
33 42 11 00-0339	EA	15" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	13.96	
33 42 11 00-0340	EA	18" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	20.66	
33 42 11 00-0341	EA	24" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	32.89	
33 42 11 00-0342	EA	30" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	50.49	
33 42 11 00-0343	EA	36" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	66.07	
33 42 11 00-0344	EA	42" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	103.86	
33 42 11 00-0345	EA	48" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	140.48	

33 42 11 00-0346 Self-Adhering Gaskets, Corrugated High-Density Polyethylene (HDPE) Pipe *(33 42 11 00-0332)*

33 42 11 00-0347	EA	4" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	142.24	
33 42 11 00-0348	EA	6" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	148.93	
33 42 11 00-0349	EA	8" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	155.94	
33 42 11 00-0350	EA	10" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	163.27	
33 42 11 00-0351	EA	12" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	193.65	
33 42 11 00-0352	EA	15" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	199.94	
33 42 11 00-0353	EA	18" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	208.54	
33 42 11 00-0354	EA	24" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	237.53	
33 42 11 00-0355	EA	30" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	380.78	
33 42 11 00-0356	EA	36" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	417.07	
33 42 11 00-0357	EA	42" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	454.43	
33 42 11 00-0358	EA	48" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	551.92	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0359		**End Caps, Corrugated High-Density Polyethylene (HDPE) Pipe** *(33 42 11 00-0332)*		
33 42 11 00-0360	EA	6" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	35.70	
33 42 11 00-0361	EA	8" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	41.78	
33 42 11 00-0362	EA	10" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	66.97	
33 42 11 00-0363	EA	12" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	113.07	
33 42 11 00-0364	EA	15" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	131.42	
33 42 11 00-0365	EA	18" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	177.25	
33 42 11 00-0366	EA	24" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	183.85	
33 42 11 00-0367		**Vitrified Clay Piping** *(33 42 11)*		
33 42 11 00-0368		**Extra Strength Vitrified Clay Piping** *(33 42 11 00-0367)*		
33 42 11 00-0369		**Plain Joint, Extra Strength, Vitrified Clay Piping** *(33 42 11 00-0368)*		
		Note: ASTM C700.		
33 42 11 00-0370	LF	4" Plain Joint, Extra Strength, Vitrified Clay Pipe	22.51	
		For 3' Lengths, Add	*1.93*	
		For 2' Lengths, Add	*2.57*	
		For Standard Strength, Deduct	*-0.64*	
		For >1,000, Deduct	*-1.13*	
33 42 11 00-0371	LF	6" Plain Joint, Extra Strength, Vitrified Clay Pipe	37.38	
		For 3' Lengths, Add	*2.99*	
		For 2' Lengths, Add	*3.99*	
		For Standard Strength, Deduct	*-1.00*	
		For >1,000, Deduct	*-1.87*	
33 42 11 00-0372	LF	8" Plain Joint, Extra Strength, Vitrified Clay Pipe	44.72	
		For 3' Lengths, Add	*4.28*	
		For 2' Lengths, Add	*5.71*	
		For Standard Strength, Deduct	*-1.43*	
		For >1,000, Deduct	*-2.24*	
33 42 11 00-0373	LF	10" Plain Joint, Extra Strength, Vitrified Clay Pipe	53.53	
		For 3' Lengths, Add	*6.56*	
		For 2' Lengths, Add	*8.74*	
		For Standard Strength, Deduct	*-2.19*	
		For >1,000, Deduct	*-2.68*	
33 42 11 00-0374	LF	12" Plain Joint, Extra Strength, Vitrified Clay Pipe	65.42	
		For 3' Lengths, Add	*9.26*	
		For 2' Lengths, Add	*12.34*	
		For Standard Strength, Deduct	*-3.09*	
		For >1,000, Deduct	*-3.27*	
33 42 11 00-0375	LF	15" Plain Joint, Extra Strength, Vitrified Clay Pipe	96.30	
		For 3' Lengths, Add	*17.35*	
		For 2' Lengths, Add	*23.14*	
		For Standard Strength, Deduct	*-5.78*	
		For >1,000, Deduct	*-4.82*	
33 42 11 00-0376	LF	18" Plain Joint, Extra Strength, Vitrified Clay Pipe	130.87	
		For 3' Lengths, Add	*24.87*	
		For 2' Lengths, Add	*33.16*	
		For Standard Strength, Deduct	*-8.29*	
		For >1,000, Deduct	*-6.54*	
33 42 11 00-0377	LF	21" Plain Joint, Extra Strength, Vitrified Clay Pipe	193.30	
		For 3' Lengths, Add	*39.84*	
		For 2' Lengths, Add	*53.12*	
		For Standard Strength, Deduct	*-13.28*	
		For >1,000, Deduct	*-9.67*	
33 42 11 00-0378	LF	24" Plain Joint, Extra Strength, Vitrified Clay Pipe	246.96	
		For 3' Lengths, Add	*52.05*	
		For 2' Lengths, Add	*69.40*	
		For Standard Strength, Deduct	*-17.35*	
		For >1,000, Deduct	*-12.35*	
33 42 11 00-0379	LF	30" Plain Joint, Extra Strength, Vitrified Clay Pipe	305.55	
		For 3' Lengths, Add	*64.91*	
		For 2' Lengths, Add	*86.54*	
		For Standard Strength, Deduct	*-21.64*	
		For >1,000, Deduct	*-15.28*	
33 42 11 00-0380	LF	36" Plain Joint, Extra Strength, Vitrified Clay Pipe	369.64	
		For 3' Lengths, Add	*78.40*	
		For 2' Lengths, Add	*104.54*	
		For Standard Strength, Deduct	*-26.13*	
		For >1,000, Deduct	*-18.48*	
33 42 11 00-0381		**Compression Joint, Extra Strength, Vitrified Clay Piping** *(33 42 11 00-0368)*		
		Note: ASTM C425.		
33 42 11 00-0382	LF	4" Compression Joint, Extra Strength, Vitrified Clay Pipe	31.93	
		For 3' Lengths, Add	*2.27*	
		For 2' Lengths, Add	*3.03*	
		For Standard Strength, Deduct	*-0.76*	
		For >1,000, Deduct	*-1.60*	
33 42 11 00-0383	LF	6" Compression Joint, Extra Strength, Vitrified Clay Pipe	39.78	
		For 3' Lengths, Add	*3.71*	
		For 2' Lengths, Add	*4.95*	
		For Standard Strength, Deduct	*-1.24*	
		For >1,000, Deduct	*-1.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0384	LF	8" Compression Joint, Extra Strength, Vitrified Clay Pipe	47.93	
		For 3' Lengths, Add	*5.24*	
		For 2' Lengths, Add	*6.99*	
		For Standard Strength, Deduct	*-1.75*	
		For >1,000, Deduct	*-2.40*	
33 42 11 00-0385	LF	10" Compression Joint, Extra Strength, Vitrified Clay Pipe	60.38	
		For 3' Lengths, Add	*8.61*	
		For 2' Lengths, Add	*11.48*	
		For Standard Strength, Deduct	*-2.87*	
		For >1,000, Deduct	*-3.02*	
33 42 11 00-0386	LF	12" Compression Joint, Extra Strength, Vitrified Clay Pipe	72.27	
		For 3' Lengths, Add	*11.31*	
		For 2' Lengths, Add	*15.08*	
		For Standard Strength, Deduct	*-3.77*	
		For >1,000, Deduct	*-3.61*	
33 42 11 00-0387	LF	15" Compression Joint, Extra Strength, Vitrified Clay Pipe	107.22	
		For 3' Lengths, Add	*20.63*	
		For 2' Lengths, Add	*27.50*	
		For Standard Strength, Deduct	*-6.88*	
		For >1,000, Deduct	*-5.36*	
33 42 11 00-0388	LF	18" Compression Joint, Extra Strength, Vitrified Clay Pipe	148.65	
		For 3' Lengths, Add	*30.20*	
		For 2' Lengths, Add	*40.27*	
		For Standard Strength, Deduct	*-10.07*	
		For >1,000, Deduct	*-7.43*	
33 42 11 00-0389	LF	21" Compression Joint, Extra Strength, Vitrified Clay Pipe	213.65	
		For 3' Lengths, Add	*45.95*	
		For 2' Lengths, Add	*61.26*	
		For Standard Strength, Deduct	*-15.32*	
		For >1,000, Deduct	*-10.68*	
33 42 11 00-0390	LF	24" Compression Joint, Extra Strength, Vitrified Clay Pipe	279.10	
		For 3' Lengths, Add	*61.70*	
		For 2' Lengths, Add	*82.26*	
		For Standard Strength, Deduct	*-20.57*	
		For >1,000, Deduct	*-13.96*	
33 42 11 00-0391	LF	30" Compression Joint, Extra Strength, Vitrified Clay Pipe	446.93	
		For 3' Lengths, Add	*107.32*	
		For 2' Lengths, Add	*143.10*	
		For Standard Strength, Deduct	*-35.77*	
		For >1,000, Deduct	*-22.35*	
33 42 11 00-0392	LF	36" Compression Joint, Extra Strength, Vitrified Clay Pipe	635.27	
		For 3' Lengths, Add	*158.09*	
		For 2' Lengths, Add	*210.79*	
		For Standard Strength, Deduct	*-52.70*	
		For >1,000, Deduct	*-31.76*	

33 42 11 00-0393 Extra Strength, Vitrified Clay Pipe Fittings *(33 42 11 00-0367)*

33 42 11 00-0394 1/8 Bends, Extra Strength, Vitrified Clay *(33 42 11 00-0393)*

33 42 11 00-0395 Plain End 1/8 Bend, Extra Strength, Vitrified Clay *(33 42 11 00-0394)*

33 42 11 00-0396	EA	4" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	94.09
33 42 11 00-0397	EA	6" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	127.03
33 42 11 00-0398	EA	8" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	181.50
33 42 11 00-0399	EA	10" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	249.29
33 42 11 00-0400	EA	12" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	329.33
33 42 11 00-0401	EA	15" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	786.35
33 42 11 00-0402	EA	18" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	1,109.07
33 42 11 00-0403	EA	21" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	1,730.37
33 42 11 00-0404	EA	24" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	1,997.12
33 42 11 00-0405	EA	30" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	2,319.15
33 42 11 00-0406	EA	36" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	3,479.03

33 42 11 00-0407 Compression Joint 1/8 Bends, Extra Strength, Vitrified Clay *(33 42 11 00-0394)*

33 42 11 00-0408	EA	4" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	106.38
33 42 11 00-0409	EA	6" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	151.21
33 42 11 00-0410	EA	8" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	204.79
33 42 11 00-0411	EA	10" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	274.24
33 42 11 00-0412	EA	12" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	348.07
33 42 11 00-0413	EA	15" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	882.14
33 42 11 00-0414	EA	18" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	1,283.29
33 42 11 00-0415	EA	21" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	1,319.37
33 42 11 00-0416	EA	24" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	2,557.53
33 42 11 00-0417	EA	30" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	2,848.36
33 42 11 00-0418	EA	36" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	4,229.74

33 42 11 00-0419 1/4 Bends, Extra Strength, Vitrified Clay *(33 42 11 00-0393)*

33 42 11 00-0420 Plain End 1/4 Bends, Extra Strength, Vitrified Clay *(33 42 11 00-0419)*

33 42 11 00-0421	EA	4" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	110.17
33 42 11 00-0422	EA	6" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	146.39

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0423	EA	8" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	204.16	
33 42 11 00-0424	EA	10" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	273.83	
33 42 11 00-0425	EA	12" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	356.98	
33 42 11 00-0426	EA	15" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	817.12	
33 42 11 00-0427	EA	18" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	1,147.44	
33 42 11 00-0428	EA	21" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	1,778.76	
33 42 11 00-0429	EA	24" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	2,055.88	
33 42 11 00-0430	EA	30" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	2,392.43	
33 42 11 00-0431	EA	36" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	3,560.50	

33 42 11 00-0432 Compression Joint 1/4 Bends, Extra Strength, Vitrified Clay *(33 42 11 00-0419)*

33 42 11 00-0433	EA	4" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	125.66	
33 42 11 00-0434	EA	6" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	174.44	
33 42 11 00-0435	EA	8" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	231.98	
33 42 11 00-0436	EA	10" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	303.69	
33 42 11 00-0437	EA	12" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	381.24	
33 42 11 00-0438	EA	15" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	919.06	
33 42 11 00-0439	EA	18" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	1,329.33	
33 42 11 00-0440	EA	21" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	2,578.27	
33 42 11 00-0441	EA	24" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	2,628.04	
33 42 11 00-0442	EA	30" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	2,936.29	
33 42 11 00-0443	EA	36" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	4,327.48	

33 42 11 00-0444 Wyes Or Tees, Extra Strength, Vitrified Clay *(33 42 11 00-0393)*

33 42 11 00-0445 Plain End Wyes Or Tees, Extra Strength, Vitrified Clay *(33 42 11 00-0444)*

33 42 11 00-0446	EA	4" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	121.14	
33 42 11 00-0447	EA	6" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	158.06	
33 42 11 00-0448	EA	8" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	214.63	
33 42 11 00-0449	EA	10" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	283.25	
33 42 11 00-0450	EA	12" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	357.95	
33 42 11 00-0451	EA	15" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	825.56	
33 42 11 00-0452	EA	18" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	1,155.08	
33 42 11 00-0453	EA	21" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	1,668.64	
33 42 11 00-0454	EA	24" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	2,321.69	
33 42 11 00-0455	EA	30" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	2,457.65	
33 42 11 00-0456	EA	36" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	3,533.62	

33 42 11 00-0457 Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay *(33 42 11 00-0444)*

33 42 11 00-0458	EA	4" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	147.98	
33 42 11 00-0459	EA	6" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	202.77	
33 42 11 00-0460	EA	8" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	266.86	
33 42 11 00-0461	EA	10" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	344.76	
33 42 11 00-0462	EA	12" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	429.97	
33 42 11 00-0463	EA	15" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	1,004.19	
33 42 11 00-0464	EA	18" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	1,446.94	
33 42 11 00-0465	EA	21" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	2,147.73	
33 42 11 00-0466	EA	24" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	2,845.18	
33 42 11 00-0467	EA	30" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	3,291.39	
33 42 11 00-0468	EA	36" Compression Joint, Extra Strength, Vitrified Clay Wye Or Tee	4,671.27	

33 42 11 00-0469 Vitrified Clay Couplings *(33 42 11 00-0367)*

33 42 11 00-0470 Vitrified Clay To Cast Iron Or Plastic Pipe Couplings *(33 42 11 00-0469)*

Note: Stainless steel tightening band at each end (Fernco #1002)

33 42 11 00-0471	EA	4" x 3" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	36.18	
33 42 11 00-0472	EA	4" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	35.84	
33 42 11 00-0473	EA	5" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	49.26	
33 42 11 00-0474	EA	5" x 5" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	46.48	
33 42 11 00-0475	EA	6" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	60.14	
33 42 11 00-0476	EA	6" x 5" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	62.55	
33 42 11 00-0477	EA	6" x 6" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	57.23	
33 42 11 00-0478	EA	8" x 6" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	82.52	
33 42 11 00-0479	EA	8" x 8" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	76.43	
33 42 11 00-0480	EA	10" x 8" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	107.74	
33 42 11 00-0481	EA	10" x 10" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	98.33	
33 42 11 00-0482	EA	12" x 10" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	133.68	
33 42 11 00-0483	EA	12" x 12" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	112.08	
33 42 11 00-0484	EA	15" x 12" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	225.12	
33 42 11 00-0485	EA	15" x 15" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	173.62	

33 42 11 00-0486 Vitrified Clay To Vitrified Clay Pipe Non-Shear Couplings *(33 42 11 00-0469)*

Note: Stainless steel tightening band at each end. (NDS Non-shear)

33 42 11 00-0487	EA	4" x 4" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	74.82	
33 42 11 00-0488	EA	6" x 4" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	99.89	
33 42 11 00-0489	EA	6" x 6" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	105.74	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0490	EA	8" x 8" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	110.85	
33 42 11 00-0491	EA	10" x 10" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	137.19	
33 42 11 00-0492	EA	12" x 12" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	159.38	

33 42 11 00-0493 Vitrified Clay To Plastic Pipe Non-Shear Couplings *(33 42 11 00-0469)*

Note: Stainless steel tightening band at each end. (NDS Non-shear)

33 42 11 00-0494	EA	4" x 4" Vitrified Clay To Plastic Pipe Non-Shear Coupling	76.78	
33 42 11 00-0495	EA	6" x 4" Vitrified Clay To Plastic Pipe Non-Shear Coupling	101.85	
33 42 11 00-0496	EA	6" x 6" Vitrified Clay To Plastic Pipe Non-Shear Coupling	93.13	
33 42 11 00-0497	EA	8" x 8" Vitrified Clay To Plastic Pipe Non-Shear Coupling	122.58	
33 42 11 00-0498	EA	10" x 10" Vitrified Clay To Plastic Pipe Non-Shear Coupling	178.24	
33 42 11 00-0499	EA	12" x 12" Vitrified Clay To Plastic Pipe Non-Shear Coupling	201.54	

33 42 11 00-0500 Corrugated Metal Piping *(33 42 11)*

33 42 11 00-0501 Galvanized Corrugated Steel Piping *(33 42 11 00-0500)*

33 42 11 00-0502 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0501)*

33 42 11 00-0503 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0502)*

33 42 11 00-0504	LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	42.56	11.47
		For Bituminous Coated Pipe, Add	*4.53*	
		For Bituminous Coated And 25% Paved, Add	*9.26*	
		For Smooth-Flo, Add	*16.54*	
33 42 11 00-0505	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	48.24	12.02
		For Bituminous Coated Pipe, Add	*5.70*	
		For Bituminous Coated And 25% Paved, Add	*11.66*	
		For Smooth-Flo, Add	*20.82*	
33 42 11 00-0506	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	54.13	13.11
		For Bituminous Coated Pipe, Add	*6.91*	
		For Bituminous Coated And 25% Paved, Add	*14.13*	
		For Smooth-Flo, Add	*25.23*	
33 42 11 00-0507	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	61.74	14.21
		For Bituminous Coated Pipe, Add	*8.26*	
		For Bituminous Coated And 25% Paved, Add	*16.89*	
		For Smooth-Flo, Add	*30.17*	
33 42 11 00-0508	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	68.39	15.30
		For Bituminous Coated Pipe, Add	*9.30*	
		For Bituminous Coated And 25% Paved, Add	*19.01*	
		For Smooth-Flo, Add	*33.95*	
33 42 11 00-0509	LF	30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	90.19	19.68
		For Bituminous Coated Pipe, Add	*12.06*	
		For Bituminous Coated And 25% Paved, Add	*24.67*	
		For Smooth-Flo, Add	*44.05*	
33 42 11 00-0510	LF	36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	117.03	25.54
		For Bituminous Coated Pipe, Add	*15.21*	
		For Bituminous Coated And 25% Paved, Add	*31.12*	
		For Smooth-Flo, Add	*55.57*	
33 42 11 00-0511	LF	42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	133.46	30.18
		For Bituminous Coated Pipe, Add	*18.00*	
		For Bituminous Coated And 25% Paved, Add	*36.81*	
		For Smooth-Flo, Add	*65.74*	
33 42 11 00-0512	LF	48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	149.98	34.82
		For Bituminous Coated Pipe, Add	*20.16*	
		For Bituminous Coated And 25% Paved, Add	*41.24*	
		For Smooth-Flo, Add	*73.65*	

33 42 11 00-0513 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0502)*

33 42 11 00-0514	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	46.60	11.47
		For Bituminous Coated Pipe, Add	*4.60*	
		For Bituminous Coated And 25% Paved, Add	*10.65*	
		For Smooth-Flo, Add	*21.52*	
33 42 11 00-0515	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	53.23	12.02
		For Bituminous Coated Pipe, Add	*5.77*	
		For Bituminous Coated And 25% Paved, Add	*13.36*	
		For Smooth-Flo, Add	*27.00*	
33 42 11 00-0516	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	60.14	13.11
		For Bituminous Coated Pipe, Add	*6.98*	
		For Bituminous Coated And 25% Paved, Add	*16.17*	
		For Smooth-Flo, Add	*32.68*	
33 42 11 00-0517	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	68.70	14.21
		For Bituminous Coated Pipe, Add	*8.30*	
		For Bituminous Coated And 25% Paved, Add	*19.23*	
		For Smooth-Flo, Add	*38.87*	
33 42 11 00-0518	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	76.47	15.30
		For Bituminous Coated Pipe, Add	*9.39*	
		For Bituminous Coated And 25% Paved, Add	*21.76*	
		For Smooth-Flo, Add	*43.98*	

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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0519	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	100.07	19.68
		For Bituminous Coated Pipe, Add	*12.06*	
		For Bituminous Coated And 25% Paved, Add	*27.94*	
		For Smooth-Flo, Add	*56.49*	
33 42 11 00-0520	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	129.01	25.54
		For Bituminous Coated Pipe, Add	*15.12*	
		For Bituminous Coated And 25% Paved, Add	*35.03*	
		For Smooth-Flo, Add	*70.80*	
33 42 11 00-0521	LF	42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	147.19	30.18
		For Bituminous Coated Pipe, Add	*17.80*	
		For Bituminous Coated And 25% Paved, Add	*41.23*	
		For Smooth-Flo, Add	*83.34*	
33 42 11 00-0522	LF	48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	165.68	34.82
		For Bituminous Coated Pipe, Add	*20.00*	
		For Bituminous Coated And 25% Paved, Add	*46.34*	
		For Smooth-Flo, Add	*93.66*	
33 42 11 00-0523	LF	54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	198.24	39.47
		For Bituminous Coated Pipe, Add	*24.60*	
		For Bituminous Coated And 25% Paved, Add	*56.98*	
		For Smooth-Flo, Add	*115.18*	
33 42 11 00-0524		**12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping** *(33 42 11 00-0502)*		
33 42 11 00-0525	LF	18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	72.60	13.11
		For Bituminous Coated Pipe, Add	*7.99*	
		For Bituminous Coated And 25% Paved, Add	*14.43*	
		For Smooth-Flo, Add	*27.74*	
33 42 11 00-0526	LF	21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	83.18	14.21
		For Bituminous Coated Pipe, Add	*9.45*	
		For Bituminous Coated And 25% Paved, Add	*17.06*	
		For Smooth-Flo, Add	*32.79*	
33 42 11 00-0527	LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	92.98	14.21
		For Bituminous Coated Pipe, Add	*10.71*	
		For Bituminous Coated And 25% Paved, Add	*19.34*	
		For Smooth-Flo, Add	*37.17*	
33 42 11 00-0528	LF	30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	120.47	19.68
		For Bituminous Coated Pipe, Add	*13.62*	
		For Bituminous Coated And 25% Paved, Add	*24.59*	
		For Smooth-Flo, Add	*47.26*	
33 42 11 00-0529	LF	36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	153.22	25.54
		For Bituminous Coated Pipe, Add	*16.84*	
		For Bituminous Coated And 25% Paved, Add	*30.41*	
		For Smooth-Flo, Add	*58.44*	
33 42 11 00-0530	LF	42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	175.16	30.18
		For Bituminous Coated Pipe, Add	*19.73*	
		For Bituminous Coated And 25% Paved, Add	*35.63*	
		For Smooth-Flo, Add	*68.48*	
33 42 11 00-0531	LF	48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	197.74	34.82
		For Bituminous Coated Pipe, Add	*22.28*	
		For Bituminous Coated And 25% Paved, Add	*40.24*	
		For Smooth-Flo, Add	*77.33*	
33 42 11 00-0532	LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	233.64	39.47
		For Bituminous Coated Pipe, Add	*26.72*	
		For Bituminous Coated And 25% Paved, Add	*48.25*	
		For Smooth-Flo, Add	*92.72*	
33 42 11 00-0533	LF	60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	255.44	41.79
		For Bituminous Coated Pipe, Add	*29.26*	
		For Bituminous Coated And 25% Paved, Add	*52.84*	
		For Smooth-Flo, Add	*101.54*	
33 42 11 00-0534	LF	66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	309.54	51.07
		For Bituminous Coated Pipe, Add	*35.62*	
		For Bituminous Coated And 25% Paved, Add	*64.33*	
		For Smooth-Flo, Add	*123.62*	
33 42 11 00-0535		**10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping** *(33 42 11 00-0502)*		
33 42 11 00-0536	LF	36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	175.88	25.54
		For Bituminous Coated Pipe, Add	*21.42*	
		For Bituminous Coated And 25% Paved, Add	*35.78*	
		For Smooth-Flo, Add	*51.06*	
33 42 11 00-0537	LF	42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	201.68	30.18
		For Bituminous Coated Pipe, Add	*25.10*	
		For Bituminous Coated And 25% Paved, Add	*41.92*	
		For Smooth-Flo, Add	*59.82*	
33 42 11 00-0538	LF	48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	227.83	34.82
		For Bituminous Coated Pipe, Add	*28.36*	
		For Bituminous Coated And 25% Paved, Add	*47.38*	
		For Smooth-Flo, Add	*67.61*	
33 42 11 00-0539	LF	54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	267.35	39.47
		For Bituminous Coated Pipe, Add	*33.59*	
		For Bituminous Coated And 25% Paved, Add	*56.12*	
		For Smooth-Flo, Add	*80.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0540	LF	60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	292.96	41.79
		For Bituminous Coated Pipe, Add	*36.89*	
		For Bituminous Coated And 25% Paved, Add	*61.63*	
		For Smooth-Flo, Add	*87.94*	
33 42 11 00-0541	LF	66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	350.77	51.07
		For Bituminous Coated Pipe, Add	*44.13*	
		For Bituminous Coated And 25% Paved, Add	*73.72*	
		For Smooth-Flo, Add	*105.19*	
33 42 11 00-0542	LF	72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	416.97	74.29
		For Bituminous Coated Pipe, Add	*47.39*	
		For Bituminous Coated And 25% Paved, Add	*79.16*	
		For Smooth-Flo, Add	*112.95*	
33 42 11 00-0543		**3" x 1" Corrugation, Galvanized Corrugated Steel Piping** *(33 42 11 00-0501)*		
33 42 11 00-0544		**16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping** *(33 42 11 00-0543)*		
33 42 11 00-0545	LF	36" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	137.80	25.54
		For Bituminous Coated Pipe, Add	*16.73*	
		For Bituminous Coated And 25% Paved, Add	*37.97*	
		For Smooth-Flo, Add	*75.60*	
33 42 11 00-0546	LF	42" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	157.30	30.18
		For Bituminous Coated Pipe, Add	*19.64*	
		For Bituminous Coated And 25% Paved, Add	*44.59*	
		For Smooth-Flo, Add	*88.78*	
33 42 11 00-0547	LF	48" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	176.82	34.82
		For Bituminous Coated Pipe, Add	*22.03*	
		For Bituminous Coated And 25% Paved, Add	*50.01*	
		For Smooth-Flo, Add	*99.58*	
33 42 11 00-0548	LF	54" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	211.03	39.47
		For Bituminous Coated Pipe, Add	*26.91*	
		For Bituminous Coated And 25% Paved, Add	*61.09*	
		For Smooth-Flo, Add	*121.63*	
33 42 11 00-0549	LF	60" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	229.91	41.79
		For Bituminous Coated Pipe, Add	*29.32*	
		For Bituminous Coated And 25% Paved, Add	*66.55*	
		For Smooth-Flo, Add	*132.51*	
33 42 11 00-0550	LF	66" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	288.29	51.07
		For Bituminous Coated Pipe, Add	*37.66*	
		For Bituminous Coated And 25% Paved, Add	*85.48*	
		For Smooth-Flo, Add	*170.21*	
33 42 11 00-0551	LF	72" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	348.42	74.29
		For Bituminous Coated Pipe, Add	*40.14*	
		For Bituminous Coated And 25% Paved, Add	*91.11*	
		For Smooth-Flo, Add	*181.42*	
33 42 11 00-0552	LF	78" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	375.66	81.26
		For Bituminous Coated Pipe, Add	*42.63*	
		For Bituminous Coated And 25% Paved, Add	*96.77*	
		For Smooth-Flo, Add	*192.69*	
33 42 11 00-0553	LF	84" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	399.73	87.06
		For Bituminous Coated Pipe, Add	*45.12*	
		For Bituminous Coated And 25% Paved, Add	*102.43*	
		For Smooth-Flo, Add	*203.95*	
33 42 11 00-0554	LF	90" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	423.85	92.86
		For Bituminous Coated Pipe, Add	*47.62*	
		For Bituminous Coated And 25% Paved, Add	*108.11*	
		For Smooth-Flo, Add	*215.26*	
33 42 11 00-0555	LF	96" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	448.72	98.67
		For Bituminous Coated Pipe, Add	*50.11*	
		For Bituminous Coated And 25% Paved, Add	*113.74*	
		For Smooth-Flo, Add	*226.48*	
33 42 11 00-0556	LF	102" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	476.91	104.47
		For Bituminous Coated Pipe, Add	*52.62*	
		For Bituminous Coated And 25% Paved, Add	*119.44*	
		For Smooth-Flo, Add	*237.82*	
33 42 11 00-0557		**14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping** *(33 42 11 00-0543)*		
33 42 11 00-0558	LF	54" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	232.23	39.47
		For Bituminous Coated Pipe, Add	*31.15*	
		For Bituminous Coated And 25% Paved, Add	*61.05*	
		For Smooth-Flo, Add	*123.35*	
33 42 11 00-0559	LF	60" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	253.37	41.79
		For Bituminous Coated Pipe, Add	*34.01*	
		For Bituminous Coated And 25% Paved, Add	*66.66*	
		For Smooth-Flo, Add	*134.67*	
33 42 11 00-0560	LF	66" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	314.10	51.07
		For Bituminous Coated Pipe, Add	*42.82*	
		For Bituminous Coated And 25% Paved, Add	*83.92*	
		For Smooth-Flo, Add	*169.56*	
33 42 11 00-0561	LF	72" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	376.54	74.29
		For Bituminous Coated Pipe, Add	*45.76*	
		For Bituminous Coated And 25% Paved, Add	*89.69*	
		For Smooth-Flo, Add	*181.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0562	LF	78" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	406.03	81.26
		For Bituminous Coated Pipe, Add	*48.70*	
		For Bituminous Coated And 25% Paved, Add	*95.46*	
		For Smooth-Flo, Add	*192.87*	
33 42 11 00-0563	LF	84" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	432.50	87.06
		For Bituminous Coated Pipe, Add	*51.68*	
		For Bituminous Coated And 25% Paved, Add	*101.28*	
		For Smooth-Flo, Add	*204.64*	
33 42 11 00-0564	LF	90" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	458.82	92.86
		For Bituminous Coated Pipe, Add	*54.62*	
		For Bituminous Coated And 25% Paved, Add	*107.05*	
		For Smooth-Flo, Add	*216.29*	
33 42 11 00-0565	LF	96" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	486.00	98.67
		For Bituminous Coated Pipe, Add	*57.56*	
		For Bituminous Coated And 25% Paved, Add	*112.82*	
		For Smooth-Flo, Add	*227.95*	
33 42 11 00-0566	LF	102" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	516.45	104.47
		For Bituminous Coated Pipe, Add	*60.52*	
		For Bituminous Coated And 25% Paved, Add	*118.63*	
		For Smooth-Flo, Add	*239.68*	
33 42 11 00-0567	LF	108" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	549.57	116.08
		For Bituminous Coated Pipe, Add	*63.48*	
		For Bituminous Coated And 25% Paved, Add	*124.43*	
		For Smooth-Flo, Add	*251.40*	
33 42 11 00-0568	LF	114" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	581.96	127.68
		For Bituminous Coated Pipe, Add	*66.39*	
		For Bituminous Coated And 25% Paved, Add	*130.12*	
		For Smooth-Flo, Add	*262.90*	
33 42 11 00-0569		12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0543)*		
33 42 11 00-0570	LF	60" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	305.41	41.79
		For Bituminous Coated Pipe, Add	*44.42*	
		For Bituminous Coated And 25% Paved, Add	*84.61*	
		For Smooth-Flo, Add	*137.91*	
33 42 11 00-0571	LF	66" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	371.74	51.07
		For Bituminous Coated Pipe, Add	*54.35*	
		For Bituminous Coated And 25% Paved, Add	*103.53*	
		For Smooth-Flo, Add	*168.74*	
33 42 11 00-0572	LF	72" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	439.20	74.29
		For Bituminous Coated Pipe, Add	*58.29*	
		For Bituminous Coated And 25% Paved, Add	*111.05*	
		For Smooth-Flo, Add	*181.00*	
33 42 11 00-0573	LF	78" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	473.78	81.26
		For Bituminous Coated Pipe, Add	*62.25*	
		For Bituminous Coated And 25% Paved, Add	*118.59*	
		For Smooth-Flo, Add	*193.30*	
33 42 11 00-0574	LF	84" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	505.27	87.06
		For Bituminous Coated Pipe, Add	*66.23*	
		For Bituminous Coated And 25% Paved, Add	*126.17*	
		For Smooth-Flo, Add	*205.64*	
33 42 11 00-0575	LF	90" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	536.67	92.86
		For Bituminous Coated Pipe, Add	*70.19*	
		For Bituminous Coated And 25% Paved, Add	*133.71*	
		For Smooth-Flo, Add	*217.93*	
33 42 11 00-0576	LF	96" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	568.97	98.67
		For Bituminous Coated Pipe, Add	*74.16*	
		For Bituminous Coated And 25% Paved, Add	*141.27*	
		For Smooth-Flo, Add	*230.25*	
33 42 11 00-0577	LF	102" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	604.50	104.47
		For Bituminous Coated Pipe, Add	*78.13*	
		For Bituminous Coated And 25% Paved, Add	*148.85*	
		For Smooth-Flo, Add	*242.61*	
33 42 11 00-0578	LF	108" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	642.61	116.08
		For Bituminous Coated Pipe, Add	*82.09*	
		For Bituminous Coated And 25% Paved, Add	*156.39*	
		For Smooth-Flo, Add	*254.90*	
33 42 11 00-0579	LF	114" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	680.12	127.68
		For Bituminous Coated Pipe, Add	*86.02*	
		For Bituminous Coated And 25% Paved, Add	*163.87*	
		For Smooth-Flo, Add	*267.10*	
33 42 11 00-0580	LF	120" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	716.40	139.29
		For Bituminous Coated Pipe, Add	*90.00*	
		For Bituminous Coated And 25% Paved, Add	*171.45*	
		For Smooth-Flo, Add	*279.45*	
33 42 11 00-0581		10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0543)*		
33 42 11 00-0582	LF	72" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	497.64	74.29
		For Bituminous Coated Pipe, Add	*69.98*	
		For Bituminous Coated And 25% Paved, Add	*132.97*	
		For Smooth-Flo, Add	*177.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0583	LF	78" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	537.01	81.26
		For Bituminous Coated Pipe, Add	*74.90*	
		For Bituminous Coated And 25% Paved, Add	*142.31*	
		For Smooth-Flo, Add	*190.25*	
33 42 11 00-0584	LF	84" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	573.30	87.06
		For Bituminous Coated Pipe, Add	*79.84*	
		For Bituminous Coated And 25% Paved, Add	*151.69*	
		For Smooth-Flo, Add	*202.78*	
33 42 11 00-0585	LF	90" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	609.50	92.86
		For Bituminous Coated Pipe, Add	*84.75*	
		For Bituminous Coated And 25% Paved, Add	*161.03*	
		For Smooth-Flo, Add	*215.28*	
33 42 11 00-0586	LF	96" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	646.59	98.67
		For Bituminous Coated Pipe, Add	*89.68*	
		For Bituminous Coated And 25% Paved, Add	*170.39*	
		For Smooth-Flo, Add	*227.79*	
33 42 11 00-0587	LF	102" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	686.91	104.47
		For Bituminous Coated Pipe, Add	*94.62*	
		For Bituminous Coated And 25% Paved, Add	*179.77*	
		For Smooth-Flo, Add	*240.32*	
33 42 11 00-0588	LF	108" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	729.82	116.08
		For Bituminous Coated Pipe, Add	*99.53*	
		For Bituminous Coated And 25% Paved, Add	*189.11*	
		For Smooth-Flo, Add	*252.82*	
33 42 11 00-0589	LF	114" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	772.08	127.68
		For Bituminous Coated Pipe, Add	*104.41*	
		For Bituminous Coated And 25% Paved, Add	*198.39*	
		For Smooth-Flo, Add	*265.21*	
33 42 11 00-0590	LF	120" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	813.20	139.29
		For Bituminous Coated Pipe, Add	*109.36*	
		For Bituminous Coated And 25% Paved, Add	*207.78*	
		For Smooth-Flo, Add	*277.77*	
33 42 11 00-0591	LF	126" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	856.39	150.90
		For Bituminous Coated Pipe, Add	*114.26*	
		For Bituminous Coated And 25% Paved, Add	*217.09*	
		For Smooth-Flo, Add	*290.22*	
33 42 11 00-0592	LF	132" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	902.59	162.51
		For Bituminous Coated Pipe, Add	*119.19*	
		For Bituminous Coated And 25% Paved, Add	*226.47*	
		For Smooth-Flo, Add	*302.75*	
33 42 11 00-0593	LF	138" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	952.35	174.12
		For Bituminous Coated Pipe, Add	*124.14*	
		For Bituminous Coated And 25% Paved, Add	*235.87*	
		For Smooth-Flo, Add	*315.32*	

33 42 11 00-0594 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0501)*

33 42 11 00-0595 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0594)*

33 42 11 00-0596	LF	48" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	177.43	34.82
		For Bituminous Coated Pipe, Add	*27.69*	
		For Bituminous Coated And 25% Paved, Add	*63.13*	
		For Smooth-Flo, Add	*100.24*	
33 42 11 00-0597	LF	54" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	212.20	39.47
		For Bituminous Coated Pipe, Add	*33.93*	
		For Bituminous Coated And 25% Paved, Add	*77.36*	
		For Smooth-Flo, Add	*122.83*	
33 42 11 00-0598	LF	60" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	230.95	41.79
		For Bituminous Coated Pipe, Add	*36.91*	
		For Bituminous Coated And 25% Paved, Add	*84.14*	
		For Smooth-Flo, Add	*133.60*	
33 42 11 00-0599	LF	66" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	285.85	51.07
		For Bituminous Coated Pipe, Add	*46.46*	
		For Bituminous Coated And 25% Paved, Add	*105.93*	
		For Smooth-Flo, Add	*168.19*	
33 42 11 00-0600	LF	72" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	345.70	74.29
		For Bituminous Coated Pipe, Add	*49.49*	
		For Bituminous Coated And 25% Paved, Add	*112.84*	
		For Smooth-Flo, Add	*179.16*	
33 42 11 00-0601	LF	78" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	372.56	81.26
		For Bituminous Coated Pipe, Add	*52.51*	
		For Bituminous Coated And 25% Paved, Add	*119.73*	
		For Smooth-Flo, Add	*190.10*	
33 42 11 00-0602	LF	84" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	396.20	87.06
		For Bituminous Coated Pipe, Add	*55.52*	
		For Bituminous Coated And 25% Paved, Add	*126.59*	
		For Smooth-Flo, Add	*200.98*	
33 42 11 00-0603	LF	90" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	419.80	92.86
		For Bituminous Coated Pipe, Add	*58.52*	
		For Bituminous Coated And 25% Paved, Add	*133.42*	
		For Smooth-Flo, Add	*211.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0604	LF	96" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	444.44	98.67
		For Bituminous Coated Pipe, Add	*61.56*	
		For Bituminous Coated And 25% Paved, Add	*140.36*	
		For Smooth-Flo, Add	*222.86*	
33 42 11 00-0605	LF	102" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	472.54	104.47
		For Bituminous Coated Pipe, Add	*64.68*	
		For Bituminous Coated And 25% Paved, Add	*147.46*	
		For Smooth-Flo, Add	*234.13*	

33 42 11 00-0606 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0594)*

33 42 11 00-0607	LF	54" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	238.72	39.47
		For Bituminous Coated Pipe, Add	*32.45*	
		For Bituminous Coated And 25% Paved, Add	*76.25*	
		For Smooth-Flo, Add	*138.07*	
33 42 11 00-0608	LF	60" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	260.42	41.79
		For Bituminous Coated Pipe, Add	*35.42*	
		For Bituminous Coated And 25% Paved, Add	*83.23*	
		For Smooth-Flo, Add	*150.70*	
33 42 11 00-0609	LF	66" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	318.00	51.07
		For Bituminous Coated Pipe, Add	*43.60*	
		For Bituminous Coated And 25% Paved, Add	*102.46*	
		For Smooth-Flo, Add	*185.51*	
33 42 11 00-0610	LF	72" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	380.44	74.29
		For Bituminous Coated Pipe, Add	*46.54*	
		For Bituminous Coated And 25% Paved, Add	*109.37*	
		For Smooth-Flo, Add	*198.04*	
33 42 11 00-0611	LF	78" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	410.45	81.26
		For Bituminous Coated Pipe, Add	*49.59*	
		For Bituminous Coated And 25% Paved, Add	*116.53*	
		For Smooth-Flo, Add	*211.00*	
33 42 11 00-0612	LF	84" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	437.06	87.06
		For Bituminous Coated Pipe, Add	*52.59*	
		For Bituminous Coated And 25% Paved, Add	*123.58*	
		For Smooth-Flo, Add	*223.76*	
33 42 11 00-0613	LF	90" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	462.11	92.86
		For Bituminous Coated Pipe, Add	*55.28*	
		For Bituminous Coated And 25% Paved, Add	*129.90*	
		For Smooth-Flo, Add	*235.20*	
33 42 11 00-0614	LF	96" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	491.03	98.67
		For Bituminous Coated Pipe, Add	*58.57*	
		For Bituminous Coated And 25% Paved, Add	*137.63*	
		For Smooth-Flo, Add	*249.21*	
33 42 11 00-0615	LF	102" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	521.62	104.47
		For Bituminous Coated Pipe, Add	*61.56*	
		For Bituminous Coated And 25% Paved, Add	*144.66*	
		For Smooth-Flo, Add	*261.93*	
33 42 11 00-0616	LF	108" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	554.75	116.08
		For Bituminous Coated Pipe, Add	*64.52*	
		For Bituminous Coated And 25% Paved, Add	*151.62*	
		For Smooth-Flo, Add	*274.53*	
33 42 11 00-0617	LF	114" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	587.79	127.68
		For Bituminous Coated Pipe, Add	*67.56*	
		For Bituminous Coated And 25% Paved, Add	*158.76*	
		For Smooth-Flo, Add	*287.45*	

33 42 11 00-0618 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0594)*

33 42 11 00-0619	LF	60" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	315.62	41.79
		For Bituminous Coated Pipe, Add	*46.46*	
		For Bituminous Coated And 25% Paved, Add	*88.27*	
		For Smooth-Flo, Add	*159.35*	
33 42 11 00-0620	LF	66" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	378.79	51.07
		For Bituminous Coated Pipe, Add	*55.76*	
		For Bituminous Coated And 25% Paved, Add	*105.94*	
		For Smooth-Flo, Add	*191.24*	
33 42 11 00-0621	LF	72" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	447.01	74.29
		For Bituminous Coated Pipe, Add	*59.86*	
		For Bituminous Coated And 25% Paved, Add	*113.73*	
		For Smooth-Flo, Add	*205.31*	
33 42 11 00-0622	LF	78" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	482.14	81.26
		For Bituminous Coated Pipe, Add	*63.93*	
		For Bituminous Coated And 25% Paved, Add	*121.46*	
		For Smooth-Flo, Add	*219.27*	
33 42 11 00-0623	LF	84" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	513.92	87.06
		For Bituminous Coated Pipe, Add	*67.96*	
		For Bituminous Coated And 25% Paved, Add	*129.12*	
		For Smooth-Flo, Add	*233.10*	
33 42 11 00-0624	LF	90" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	545.98	92.86
		For Bituminous Coated Pipe, Add	*72.05*	
		For Bituminous Coated And 25% Paved, Add	*136.90*	
		For Smooth-Flo, Add	*247.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0625	LF	96" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	578.75	98.67
		For Bituminous Coated Pipe, Add	*76.11*	
		For Bituminous Coated And 25% Paved, Add	*144.61*	
		For Smooth-Flo, Add	*261.06*	
33 42 11 00-0626	LF	102" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	614.65	104.47
		For Bituminous Coated Pipe, Add	*80.16*	
		For Bituminous Coated And 25% Paved, Add	*152.31*	
		For Smooth-Flo, Add	*274.96*	
33 42 11 00-0627	LF	108" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	653.42	116.08
		For Bituminous Coated Pipe, Add	*84.25*	
		For Bituminous Coated And 25% Paved, Add	*160.08*	
		For Smooth-Flo, Add	*288.99*	
33 42 11 00-0628	LF	114" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	691.59	127.68
		For Bituminous Coated Pipe, Add	*88.32*	
		For Bituminous Coated And 25% Paved, Add	*167.80*	
		For Smooth-Flo, Add	*302.92*	
33 42 11 00-0629	LF	120" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	728.29	139.29
		For Bituminous Coated Pipe, Add	*92.38*	
		For Bituminous Coated And 25% Paved, Add	*175.52*	
		For Smooth-Flo, Add	*316.86*	
33 42 11 00-0630		**10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping** *(33 42 11 00-0594)*		
33 42 11 00-0631	LF	72" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	510.76	74.29
		For Bituminous Coated Pipe, Add	*72.61*	
		For Bituminous Coated And 25% Paved, Add	*137.95*	
		For Smooth-Flo, Add	*216.73*	
33 42 11 00-0632	LF	78" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	551.82	81.26
		For Bituminous Coated Pipe, Add	*77.86*	
		For Bituminous Coated And 25% Paved, Add	*147.94*	
		For Smooth-Flo, Add	*232.42*	
33 42 11 00-0633	LF	84" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	589.14	87.06
		For Bituminous Coated Pipe, Add	*83.00*	
		For Bituminous Coated And 25% Paved, Add	*157.71*	
		For Smooth-Flo, Add	*247.77*	
33 42 11 00-0634	LF	90" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	626.23	92.86
		For Bituminous Coated Pipe, Add	*88.10*	
		For Bituminous Coated And 25% Paved, Add	*167.39*	
		For Smooth-Flo, Add	*262.98*	
33 42 11 00-0635	LF	96" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	664.45	98.67
		For Bituminous Coated Pipe, Add	*93.25*	
		For Bituminous Coated And 25% Paved, Add	*177.18*	
		For Smooth-Flo, Add	*278.36*	
33 42 11 00-0636	LF	102" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	705.62	104.47
		For Bituminous Coated Pipe, Add	*98.36*	
		For Bituminous Coated And 25% Paved, Add	*186.88*	
		For Smooth-Flo, Add	*293.60*	
33 42 11 00-0637	LF	108" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	749.66	116.08
		For Bituminous Coated Pipe, Add	*103.50*	
		For Bituminous Coated And 25% Paved, Add	*196.65*	
		For Smooth-Flo, Add	*308.95*	
33 42 11 00-0638	LF	114" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	793.19	127.68
		For Bituminous Coated Pipe, Add	*108.64*	
		For Bituminous Coated And 25% Paved, Add	*206.41*	
		For Smooth-Flo, Add	*324.28*	
33 42 11 00-0639	LF	120" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	835.10	139.29
		For Bituminous Coated Pipe, Add	*113.74*	
		For Bituminous Coated And 25% Paved, Add	*216.11*	
		For Smooth-Flo, Add	*339.51*	
33 42 11 00-0640	LF	126" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	887.51	150.90
		For Bituminous Coated Pipe, Add	*120.48*	
		For Bituminous Coated And 25% Paved, Add	*228.92*	
		For Smooth-Flo, Add	*359.64*	
33 42 11 00-0641	LF	132" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	936.82	162.51
		For Bituminous Coated Pipe, Add	*126.04*	
		For Bituminous Coated And 25% Paved, Add	*239.48*	
		For Smooth-Flo, Add	*376.23*	
33 42 11 00-0642	LF	138" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	990.71	174.12
		For Bituminous Coated Pipe, Add	*131.81*	
		For Bituminous Coated And 25% Paved, Add	*250.44*	
		For Smooth-Flo, Add	*393.46*	
33 42 11 00-0643		**Helical Ribbed, Galvanized Corrugated Steel Piping** *(33 42 11 00-0501)*		
33 42 11 00-0644		**16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping** *(33 42 11 00-0643)*		
33 42 11 00-0645	LF	18" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	62.21	13.11
		For Bituminous Coated Pipe, Add	*8.53*	
33 42 11 00-0646	LF	21" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	71.24	14.21
		For Bituminous Coated Pipe, Add	*10.17*	
33 42 11 00-0647	LF	24" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	79.53	15.30
		For Bituminous Coated Pipe, Add	*11.55*	
33 42 11 00-0648	LF	30" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	104.20	19.68
		For Bituminous Coated Pipe, Add	*14.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0649	LF	36" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	134.18	25.54
		For Bituminous Coated Pipe, Add	*18.64*	
33 42 11 00-0650	LF	42" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	153.44	30.18
		For Bituminous Coated Pipe, Add	*21.98*	
33 42 11 00-0651	LF	48" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	172.87	34.82
		For Bituminous Coated Pipe, Add	*24.74*	
33 42 11 00-0652	LF	54" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	206.56	39.47
		For Bituminous Coated Pipe, Add	*30.31*	
33 42 11 00-0653	LF	60" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	225.35	41.79
		For Bituminous Coated Pipe, Add	*33.09*	
33 42 11 00-0654		**14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping** *(33 42 11 00-0643)*		
33 42 11 00-0655	LF	18" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	68.32	13.11
		For Bituminous Coated Pipe, Add	*9.87*	
33 42 11 00-0656	LF	21" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	78.38	14.21
		For Bituminous Coated Pipe, Add	*11.73*	
33 42 11 00-0657	LF	24" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	87.66	15.30
		For Bituminous Coated Pipe, Add	*13.32*	
33 42 11 00-0658	LF	30" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	114.31	19.68
		For Bituminous Coated Pipe, Add	*17.08*	
33 42 11 00-0659	LF	36" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	146.36	25.54
		For Bituminous Coated Pipe, Add	*21.30*	
33 42 11 00-0660	LF	42" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	167.69	30.18
		For Bituminous Coated Pipe, Add	*25.09*	
33 42 11 00-0661	LF	48" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	189.14	34.82
		For Bituminous Coated Pipe, Add	*28.29*	
33 42 11 00-0662	LF	54" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	224.85	39.47
		For Bituminous Coated Pipe, Add	*34.27*	
33 42 11 00-0663	LF	60" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	245.71	41.79
		For Bituminous Coated Pipe, Add	*37.51*	
33 42 11 00-0664	LF	66" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	301.74	51.07
		For Bituminous Coated Pipe, Add	*46.60*	
33 42 11 00-0665	LF	72" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	363.28	74.29
		For Bituminous Coated Pipe, Add	*49.79*	
33 42 11 00-0666	LF	78" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	392.12	81.26
		For Bituminous Coated Pipe, Add	*53.04*	
33 42 11 00-0667		**12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping** *(33 42 11 00-0643)*		
33 42 11 00-0668	LF	30" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	134.81	19.68
		For Bituminous Coated Pipe, Add	*17.85*	
33 42 11 00-0669	LF	36" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	170.85	25.54
		For Bituminous Coated Pipe, Add	*22.05*	
33 42 11 00-0670	LF	42" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	196.37	30.18
		For Bituminous Coated Pipe, Add	*25.95*	
33 42 11 00-0671	LF	48" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	221.86	34.82
		For Bituminous Coated Pipe, Add	*29.33*	
33 42 11 00-0672	LF	54" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	261.71	39.47
		For Bituminous Coated Pipe, Add	*35.01*	
33 42 11 00-0673	LF	60" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	286.70	41.79
		For Bituminous Coated Pipe, Add	*38.44*	
33 42 11 00-0674	LF	66" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	346.73	51.07
		For Bituminous Coated Pipe, Add	*46.63*	
33 42 11 00-0675	LF	72" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	412.31	74.29
		For Bituminous Coated Pipe, Add	*50.01*	
33 42 11 00-0676	LF	78" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	445.19	81.26
		For Bituminous Coated Pipe, Add	*53.43*	
33 42 11 00-0677	LF	84" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	474.81	87.06
		For Bituminous Coated Pipe, Add	*56.83*	
33 42 11 00-0678	LF	90" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	504.38	92.86
		For Bituminous Coated Pipe, Add	*60.22*	
33 42 11 00-0679	LF	96" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	534.80	98.67
		For Bituminous Coated Pipe, Add	*63.62*	
33 42 11 00-0680	LF	102" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	566.42	104.47
		For Bituminous Coated Pipe, Add	*66.64*	
33 42 11 00-0681		**1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping** *(33 42 11 00-0501)*		
33 42 11 00-0682		**1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping** *(33 42 11 00-0681)*		
33 42 11 00-0683	LF	6" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	22.01	6.56
		For Bituminous Coated Pipe, Add	*2.18*	
33 42 11 00-0684	LF	6" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	23.83	6.56
		For Bituminous Coated Pipe, Add	*2.63*	
33 42 11 00-0685	LF	8" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	27.68	8.20
		For Bituminous Coated Pipe, Add	*2.89*	
33 42 11 00-0686	LF	8" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	29.99	8.20
		For Bituminous Coated Pipe, Add	*3.45*	
33 42 11 00-0687	LF	10" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	34.97	9.84
		For Bituminous Coated Pipe, Add	*3.62*	
33 42 11 00-0688	LF	10" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	37.91	9.84
		For Bituminous Coated Pipe, Add	*4.34*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0689		Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0681)*		
33 42 11 00-0690	LF	6" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	22.26	6.56
		For Bituminous Coated Pipe, Add	*2.15*	
33 42 11 00-0691	LF	6" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	24.03	6.56
		For Bituminous Coated Pipe, Add	*2.57*	
33 42 11 00-0692	LF	8" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	27.93	8.20
		For Bituminous Coated Pipe, Add	*2.83*	
33 42 11 00-0693	LF	8" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	30.38	8.20
		For Bituminous Coated Pipe, Add	*3.40*	
33 42 11 00-0694	LF	10" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	35.41	9.84
		For Bituminous Coated Pipe, Add	*3.58*	
33 42 11 00-0695	LF	10" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	38.42	9.84
		For Bituminous Coated Pipe, Add	*4.29*	
33 42 11 00-0696		1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe Fittings *(33 42 11 00-0681)*		
33 42 11 00-0697	EA	6" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	13.47	
		For Bituminous Coated Pipe, Add	*3.03*	
33 42 11 00-0698	EA	8" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	17.83	
		For Bituminous Coated Pipe, Add	*4.01*	
33 42 11 00-0699	EA	10" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	21.86	
		For Bituminous Coated Pipe, Add	*4.92*	
33 42 11 00-0700	EA	6" 18 Gauge, Band Elbows For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	48.57	
		For Bituminous Coated Pipe, Add	*6.70*	
33 42 11 00-0701	EA	6" End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	10.47	
		For Bituminous Coated Pipe, Add	*1.53*	
33 42 11 00-0702	EA	8" End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	13.33	
		For Bituminous Coated Pipe, Add	*2.30*	
33 42 11 00-0703		2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0501)*		
33 42 11 00-0704		16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0703)*		
33 42 11 00-0705	LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	69.29	11.47
33 42 11 00-0706	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	81.94	12.02
33 42 11 00-0707	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	94.98	13.11
33 42 11 00-0708	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	110.56	14.21
33 42 11 00-0709	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	123.40	15.30
33 42 11 00-0710	LF	30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	161.45	19.68
33 42 11 00-0711	LF	36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	207.02	25.54
33 42 11 00-0712	LF	42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	239.91	30.18
33 42 11 00-0713	LF	48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	269.23	34.82
33 42 11 00-0714		14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0703)*		
33 42 11 00-0715	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	79.13	11.47
33 42 11 00-0716	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	94.12	12.02
33 42 11 00-0717	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	109.58	13.11
33 42 11 00-0718	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	127.46	14.21
33 42 11 00-0719	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	143.03	15.30
33 42 11 00-0720	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	185.55	19.68
33 42 11 00-0721	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	236.11	25.54
33 42 11 00-0722	LF	42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	273.29	30.18
33 42 11 00-0723	LF	48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	307.33	34.82
33 42 11 00-0724	LF	54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	372.49	39.47
33 42 11 00-0725		12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0703)*		
33 42 11 00-0726	LF	18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	140.00	13.11
33 42 11 00-0727	LF	21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	162.98	14.21
33 42 11 00-0728	LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	183.42	15.30
33 42 11 00-0729	LF	30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	236.01	19.68
33 42 11 00-0730	LF	36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	284.28	25.54
33 42 11 00-0731	LF	42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	343.86	30.18
33 42 11 00-0732	LF	48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	387.87	34.82
33 42 11 00-0733	LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	464.39	39.47
33 42 11 00-0734	LF	60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	507.45	41.79
33 42 11 00-0735	LF	66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	621.68	51.07
33 42 11 00-0736		10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0703)*		
33 42 11 00-0737	LF	36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	351.95	25.54
33 42 11 00-0738	LF	42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	408.15	30.18
33 42 11 00-0739	LF	48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	460.90	34.82
33 42 11 00-0740	LF	54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	546.19	39.47
33 42 11 00-0741	LF	60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	598.53	41.79

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0742	LF	66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	721.70	51.07
33 42 11 00-0743	LF	72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	814.27	74.29
33 42 11 00-0744		**3" x 1" Corrugation, Polymeric Corrugated Steel Piping** *(33 42 11 00-0501)*		
33 42 11 00-0745		**16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping** *(33 42 11 00-0744)*		
33 42 11 00-0746	LF	36" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	262.87	25.54
33 42 11 00-0747	LF	42" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	304.30	30.18
33 42 11 00-0748	LF	48" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	341.44	34.82
33 42 11 00-0749	LF	54" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	413.55	39.47
33 42 11 00-0750	LF	60" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	450.27	41.79
33 42 11 00-0751	LF	66" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	573.81	51.07
33 42 11 00-0752	LF	72" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	652.37	74.29
33 42 11 00-0753	LF	78" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	697.97	81.26
33 42 11 00-0754	LF	84" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	740.51	87.06
33 42 11 00-0755	LF	90" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	783.09	92.86
33 42 11 00-0756	LF	96" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	826.38	98.67
33 42 11 00-0757	LF	102" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	873.12	104.47
33 42 11 00-0758		**14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping** *(33 42 11 00-0744)*		
33 42 11 00-0759	LF	54" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	466.14	39.47
33 42 11 00-0760	LF	60" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	508.41	41.79
33 42 11 00-0761	LF	66" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	637.84	51.07
33 42 11 00-0762	LF	72" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	722.01	74.29
33 42 11 00-0763	LF	78" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	773.31	81.26
33 42 11 00-0764	LF	84" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	821.75	87.06
33 42 11 00-0765	LF	90" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	869.85	92.86
33 42 11 00-0766	LF	96" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	918.79	98.67
33 42 11 00-0767	LF	102" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	971.26	104.47
33 42 11 00-0768	LF	108" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,026.26	116.08
33 42 11 00-0769	LF	114" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,080.13	127.68
33 42 11 00-0770		**12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping** *(33 42 11 00-0744)*		
33 42 11 00-0771	LF	60" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	640.67	41.79
33 42 11 00-0772	LF	66" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	784.98	51.07
33 42 11 00-0773	LF	72" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	881.91	74.29
33 42 11 00-0774	LF	78" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	946.02	81.26
33 42 11 00-0775	LF	84" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,007.22	87.06
33 42 11 00-0776	LF	90" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,068.16	92.86
33 42 11 00-0777	LF	96" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,130.02	98.67
33 42 11 00-0778	LF	102" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,195.23	104.47
33 42 11 00-0779	LF	108" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,262.88	116.08
33 42 11 00-0780	LF	114" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,329.76	127.68
33 42 11 00-0781	LF	120" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,395.74	139.29
33 42 11 00-0782		**10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping** *(33 42 11 00-0744)*		
33 42 11 00-0783	LF	72" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,027.60	74.29
33 42 11 00-0784	LF	78" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,103.59	81.26
33 42 11 00-0785	LF	84" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,176.76	87.06
33 42 11 00-0786	LF	90" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,249.61	92.86
33 42 11 00-0787	LF	96" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,323.47	98.67
33 42 11 00-0788	LF	102" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,400.63	104.47
33 42 11 00-0789	LF	108" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,480.26	116.08
33 42 11 00-0790	LF	114" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,559.02	127.68
33 42 11 00-0791	LF	120" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,636.95	139.29
33 42 11 00-0792	LF	126" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,716.75	150.90
33 42 11 00-0793	LF	132" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,799.79	162.51
33 42 11 00-0794	LF	138" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,886.40	174.12
33 42 11 00-0795		**125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping** *(33 42 11 00-0501)*		
33 42 11 00-0796		**16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping** *(33 42 11 00-0795)*		
33 42 11 00-0797	LF	48" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	330.10	34.82
33 42 11 00-0798	LF	54" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	401.07	39.47
33 42 11 00-0799	LF	60" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	435.97	41.79
33 42 11 00-0800	LF	66" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	547.24	51.07
33 42 11 00-0801	LF	72" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	623.62	74.29
33 42 11 00-0802	LF	78" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	666.96	81.26
33 42 11 00-0803	LF	84" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	706.94	87.06
33 42 11 00-0804	LF	90" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	746.81	92.86
33 42 11 00-0805	LF	96" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	787.96	98.67
33 42 11 00-0806	LF	102" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	833.11	104.47

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0807		14 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0795)*		
33 42 11 00-0808	LF	54" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	463.54	39.47
33 42 11 00-0809	LF	60" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	505.55	41.79
33 42 11 00-0810	LF	66" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	623.12	51.07
33 42 11 00-0811	LF	72" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	705.62	74.29
33 42 11 00-0812	LF	78" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	756.36	81.26
33 42 11 00-0813	LF	84" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	803.30	87.06
33 42 11 00-0814	LF	90" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	846.67	92.86
33 42 11 00-0815	LF	96" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	897.95	98.67
33 42 11 00-0816	LF	102" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	948.92	104.47
33 42 11 00-0817	LF	108" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,002.14	116.08
33 42 11 00-0818	LF	114" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,055.84	127.68
33 42 11 00-0819		12 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0795)*		
33 42 11 00-0820	LF	60" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	645.01	41.79
33 42 11 00-0821	LF	66" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	777.41	51.07
33 42 11 00-0822	LF	72" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	874.48	74.29
33 42 11 00-0823	LF	78" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	938.05	81.26
33 42 11 00-0824	LF	84" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	998.06	87.06
33 42 11 00-0825	LF	90" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,058.83	92.86
33 42 11 00-0826	LF	96" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,120.08	98.67
33 42 11 00-0827	LF	102" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,184.31	104.47
33 42 11 00-0828	LF	108" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,251.78	116.08
33 42 11 00-0829	LF	114" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,318.42	127.68
33 42 11 00-0830	LF	120" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,383.55	139.29
33 42 11 00-0831		10 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0795)*		
33 42 11 00-0832	LF	72" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,027.54	74.29
33 42 11 00-0833	LF	78" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,105.34	81.26
33 42 11 00-0834	LF	84" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,178.77	87.06
33 42 11 00-0835	LF	90" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,251.58	92.86
33 42 11 00-0836	LF	96" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,325.79	98.67
33 42 11 00-0837	LF	102" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,402.83	104.47
33 42 11 00-0838	LF	108" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,482.81	116.08
33 42 11 00-0839	LF	114" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,562.30	127.68
33 42 11 00-0840	LF	120" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,640.06	139.29
33 42 11 00-0841	LF	126" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,739.66	150.90
33 42 11 00-0842	LF	132" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,827.95	162.51
33 42 11 00-0843	LF	138" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,922.26	174.12
33 42 11 00-0844		Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0500)*		
33 42 11 00-0845		2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0844)*		
33 42 11 00-0846		16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0845)*		
33 42 11 00-0847	LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	49.61	12.02
		For Bituminous Coated Pipe, Add	*6.21*	
		For Bituminous Coated And 25% Paved, Add	*15.00*	
		For Smooth-Flo, Add	*24.75*	
33 42 11 00-0848	LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	55.35	13.11
		For Bituminous Coated Pipe, Add	*7.41*	
		For Bituminous Coated And 25% Paved, Add	*17.92*	
		For Smooth-Flo, Add	*29.55*	
33 42 11 00-0849	LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	63.43	14.21
		For Bituminous Coated Pipe, Add	*8.92*	
		For Bituminous Coated And 25% Paved, Add	*21.56*	
		For Smooth-Flo, Add	*35.57*	
33 42 11 00-0850	LF	28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	71.26	15.30
		For Bituminous Coated Pipe, Add	*10.28*	
		For Bituminous Coated And 25% Paved, Add	*24.85*	
		For Smooth-Flo, Add	*40.99*	
33 42 11 00-0851	LF	35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	92.78	19.68
		For Bituminous Coated Pipe, Add	*13.05*	
		For Bituminous Coated And 25% Paved, Add	*31.56*	
		For Smooth-Flo, Add	*52.05*	
33 42 11 00-0852	LF	42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	121.77	25.54
		For Bituminous Coated Pipe, Add	*16.83*	
		For Bituminous Coated And 25% Paved, Add	*40.70*	
		For Smooth-Flo, Add	*67.13*	
33 42 11 00-0853		14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0845)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0854	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	54.64	12.02
		For Bituminous Coated Pipe, Add	*6.44*	
		For Bituminous Coated And 25% Paved, Add	*15.06*	
		For Smooth-Flo, Add	*24.71*	
33 42 11 00-0855	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	61.51	13.11
		For Bituminous Coated Pipe, Add	*7.72*	
		For Bituminous Coated And 25% Paved, Add	*18.07*	
		For Smooth-Flo, Add	*29.63*	
33 42 11 00-0856	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	70.30	14.21
		For Bituminous Coated Pipe, Add	*9.18*	
		For Bituminous Coated And 25% Paved, Add	*21.47*	
		For Smooth-Flo, Add	*35.22*	
33 42 11 00-0857	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	79.20	15.30
		For Bituminous Coated Pipe, Add	*10.58*	
		For Bituminous Coated And 25% Paved, Add	*24.76*	
		For Smooth-Flo, Add	*40.61*	
33 42 11 00-0858	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	102.70	19.68
		For Bituminous Coated Pipe, Add	*13.40*	
		For Bituminous Coated And 25% Paved, Add	*31.36*	
		For Smooth-Flo, Add	*51.43*	
33 42 11 00-0859	LF	42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	133.57	25.54
		For Bituminous Coated Pipe, Add	*17.07*	
		For Bituminous Coated And 25% Paved, Add	*39.94*	
		For Smooth-Flo, Add	*65.51*	
33 42 11 00-0860	LF	49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	153.68	30.18
		For Bituminous Coated Pipe, Add	*20.34*	
		For Bituminous Coated And 25% Paved, Add	*47.58*	
		For Smooth-Flo, Add	*78.04*	

33 42 11 00-0861 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0845)*

33 42 11 00-0862	LF	21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	79.98	13.93
		For Bituminous Coated Pipe, Add	*8.35*	
		For Bituminous Coated And 25% Paved, Add	*18.59*	
		For Smooth-Flo, Add	*28.58*	
33 42 11 00-0863	LF	24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	91.47	15.09
		For Bituminous Coated Pipe, Add	*9.91*	
		For Bituminous Coated And 25% Paved, Add	*22.05*	
		For Smooth-Flo, Add	*33.90*	
33 42 11 00-0864	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	102.82	16.25
		For Bituminous Coated Pipe, Add	*11.36*	
		For Bituminous Coated And 25% Paved, Add	*25.29*	
		For Smooth-Flo, Add	*38.88*	
33 42 11 00-0865	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	132.69	20.89
		For Bituminous Coated Pipe, Add	*14.31*	
		For Bituminous Coated And 25% Paved, Add	*31.84*	
		For Smooth-Flo, Add	*48.95*	
33 42 11 00-0866	LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	157.64	25.54
		For Bituminous Coated Pipe, Add	*17.90*	
		For Bituminous Coated And 25% Paved, Add	*39.84*	
		For Smooth-Flo, Add	*61.25*	
33 42 11 00-0867	LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	181.46	30.18
		For Bituminous Coated Pipe, Add	*21.17*	
		For Bituminous Coated And 25% Paved, Add	*47.11*	
		For Smooth-Flo, Add	*72.44*	
33 42 11 00-0868	LF	57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	211.80	34.82
		For Bituminous Coated Pipe, Add	*25.11*	
		For Bituminous Coated And 25% Paved, Add	*55.88*	
		For Smooth-Flo, Add	*85.92*	
33 42 11 00-0869	LF	64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	236.74	39.47
		For Bituminous Coated Pipe, Add	*27.72*	
		For Bituminous Coated And 25% Paved, Add	*61.70*	
		For Smooth-Flo, Add	*94.87*	

33 42 11 00-0870 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0845)*

33 42 11 00-0871	LF	42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	180.30	25.54
		For Bituminous Coated Pipe, Add	*21.57*	
		For Bituminous Coated And 25% Paved, Add	*45.41*	
		For Smooth-Flo, Add	*57.26*	
33 42 11 00-0872	LF	49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	207.88	30.18
		For Bituminous Coated Pipe, Add	*25.44*	
		For Bituminous Coated And 25% Paved, Add	*53.56*	
		For Smooth-Flo, Add	*67.55*	
33 42 11 00-0873	LF	57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	241.74	34.82
		For Bituminous Coated Pipe, Add	*29.94*	
		For Bituminous Coated And 25% Paved, Add	*63.03*	
		For Smooth-Flo, Add	*79.48*	
33 42 11 00-0874	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	270.59	39.47
		For Bituminous Coated Pipe, Add	*33.19*	
		For Bituminous Coated And 25% Paved, Add	*69.88*	
		For Smooth-Flo, Add	*88.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0875	LF	71" x 47" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	296.44	41.79
		For Bituminous Coated Pipe, Add	*36.44*	
		For Bituminous Coated And 25% Paved, Add	*76.72*	
		For Smooth-Flo, Add	*96.75*	
33 42 11 00-0876		3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0844)*		
33 42 11 00-0877		14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0876)*		
33 42 11 00-0878	LF	60" x 46" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	236.41	39.47
		For Bituminous Coated Pipe, Add	*31.99*	
		For Bituminous Coated And 25% Paved, Add	*97.24*	
		For Smooth-Flo, Add	*108.75*	
33 42 11 00-0879	LF	66" x 51" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	258.36	41.79
		For Bituminous Coated Pipe, Add	*35.01*	
		For Bituminous Coated And 25% Paved, Add	*106.42*	
		For Smooth-Flo, Add	*119.02*	
33 42 11 00-0880	LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	319.84	51.07
		For Bituminous Coated Pipe, Add	*43.97*	
		For Bituminous Coated And 25% Paved, Add	*133.66*	
		For Smooth-Flo, Add	*149.48*	
33 42 11 00-0881	LF	81" x 59" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	383.40	74.29
		For Bituminous Coated Pipe, Add	*47.13*	
		For Bituminous Coated And 25% Paved, Add	*143.29*	
		For Smooth-Flo, Add	*160.26*	
33 42 11 00-0882	LF	87" x 63" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	414.82	81.26
		For Bituminous Coated Pipe, Add	*50.46*	
		For Bituminous Coated And 25% Paved, Add	*153.40*	
		For Smooth-Flo, Add	*171.57*	
33 42 11 00-0883	LF	95" x 67" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	443.17	87.06
		For Bituminous Coated Pipe, Add	*53.81*	
		For Bituminous Coated And 25% Paved, Add	*163.58*	
		For Smooth-Flo, Add	*182.95*	
33 42 11 00-0884	LF	103" x 71" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	471.42	92.86
		For Bituminous Coated Pipe, Add	*57.14*	
		For Bituminous Coated And 25% Paved, Add	*173.70*	
		For Smooth-Flo, Add	*194.27*	
33 42 11 00-0885	LF	112" x 75" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	500.48	98.67
		For Bituminous Coated Pipe, Add	*60.46*	
		For Bituminous Coated And 25% Paved, Add	*183.79*	
		For Smooth-Flo, Add	*205.56*	
33 42 11 00-0886		12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0876)*		
33 42 11 00-0887	LF	66" x 51" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	310.45	41.79
		For Bituminous Coated Pipe, Add	*45.42*	
		For Bituminous Coated And 25% Paved, Add	*119.01*	
		For Smooth-Flo, Add	*140.81*	
33 42 11 00-0888	LF	73" x 55" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	377.62	51.07
		For Bituminous Coated Pipe, Add	*55.52*	
		For Bituminous Coated And 25% Paved, Add	*145.47*	
		For Smooth-Flo, Add	*172.12*	
33 42 11 00-0889	LF	81" x 59" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	446.30	74.29
		For Bituminous Coated Pipe, Add	*59.71*	
		For Bituminous Coated And 25% Paved, Add	*156.45*	
		For Smooth-Flo, Add	*185.11*	
33 42 11 00-0890	LF	87" x 63" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	482.80	81.26
		For Bituminous Coated Pipe, Add	*64.06*	
		For Bituminous Coated And 25% Paved, Add	*167.83*	
		For Smooth-Flo, Add	*198.58*	
33 42 11 00-0891	LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	516.23	87.06
		For Bituminous Coated Pipe, Add	*68.42*	
		For Bituminous Coated And 25% Paved, Add	*179.27*	
		For Smooth-Flo, Add	*212.11*	
33 42 11 00-0892	LF	103" x 71" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	549.60	92.86
		For Bituminous Coated Pipe, Add	*72.77*	
		For Bituminous Coated And 25% Paved, Add	*190.67*	
		For Smooth-Flo, Add	*225.60*	
33 42 11 00-0893	LF	112" x 75" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	583.74	98.67
		For Bituminous Coated Pipe, Add	*77.11*	
		For Bituminous Coated And 25% Paved, Add	*202.03*	
		For Smooth-Flo, Add	*239.04*	
33 42 11 00-0894	LF	117" x 79" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	621.28	104.47
		For Bituminous Coated Pipe, Add	*81.49*	
		For Bituminous Coated And 25% Paved, Add	*213.50*	
		For Smooth-Flo, Add	*252.62*	
33 42 11 00-0895	LF	128" x 83" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	661.37	116.08
		For Bituminous Coated Pipe, Add	*85.84*	
		For Bituminous Coated And 25% Paved, Add	*224.91*	
		For Smooth-Flo, Add	*266.12*	
33 42 11 00-0896	LF	137" x 87" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	703.16	127.68
		For Bituminous Coated Pipe, Add	*90.63*	
		For Bituminous Coated And 25% Paved, Add	*237.45*	
		For Smooth-Flo, Add	*280.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0897		10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0876)*		
33 42 11 00-0898	LF	81" x 59" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	504.74	74.29
		For Bituminous Coated Pipe, Add	*71.40*	
		For Bituminous Coated And 25% Paved, Add	*169.94*	
		For Smooth-Flo, Add	*184.57*	
33 42 11 00-0899	LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	546.08	81.26
		For Bituminous Coated Pipe, Add	*76.71*	
		For Bituminous Coated And 25% Paved, Add	*182.58*	
		For Smooth-Flo, Add	*198.31*	
33 42 11 00-0900	LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	584.30	87.06
		For Bituminous Coated Pipe, Add	*82.04*	
		For Bituminous Coated And 25% Paved, Add	*195.25*	
		For Smooth-Flo, Add	*212.06*	
33 42 11 00-0901	LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	622.38	92.86
		For Bituminous Coated Pipe, Add	*87.33*	
		For Bituminous Coated And 25% Paved, Add	*207.85*	
		For Smooth-Flo, Add	*225.75*	
33 42 11 00-0902	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	661.35	98.67
		For Bituminous Coated Pipe, Add	*92.63*	
		For Bituminous Coated And 25% Paved, Add	*220.46*	
		For Smooth-Flo, Add	*239.45*	
33 42 11 00-0903	LF	117" x 79" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	703.65	104.47
		For Bituminous Coated Pipe, Add	*97.96*	
		For Bituminous Coated And 25% Paved, Add	*233.15*	
		For Smooth-Flo, Add	*253.24*	
33 42 11 00-0904	LF	128" x 83" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	748.53	116.08
		For Bituminous Coated Pipe, Add	*103.28*	
		For Bituminous Coated And 25% Paved, Add	*245.80*	
		For Smooth-Flo, Add	*266.97*	
33 42 11 00-0905	LF	137" x 87" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	794.74	127.68
		For Bituminous Coated Pipe, Add	*108.95*	
		For Bituminous Coated And 25% Paved, Add	*259.29*	
		For Smooth-Flo, Add	*281.63*	
33 42 11 00-0906	LF	142" x 91" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	845.16	139.29
		For Bituminous Coated Pipe, Add	*115.75*	
		For Bituminous Coated And 25% Paved, Add	*275.49*	
		For Smooth-Flo, Add	*299.22*	
33 42 11 00-0907		125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0844)*		
33 42 11 00-0908		12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0907)*		
33 42 11 00-0909	LF	81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	452.04	74.29
		For Bituminous Coated Pipe, Add	*60.86*	
		For Bituminous Coated And 25% Paved, Add	*148.50*	
		For Smooth-Flo, Add	*188.98*	
33 42 11 00-0910	LF	87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	487.97	81.26
		For Bituminous Coated Pipe, Add	*65.09*	
		For Bituminous Coated And 25% Paved, Add	*158.82*	
		For Smooth-Flo, Add	*202.11*	
33 42 11 00-0911	LF	95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	520.50	87.06
		For Bituminous Coated Pipe, Add	*69.28*	
		For Bituminous Coated And 25% Paved, Add	*169.03*	
		For Smooth-Flo, Add	*215.10*	
33 42 11 00-0912	LF	103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	553.03	92.86
		For Bituminous Coated Pipe, Add	*73.46*	
		For Bituminous Coated And 25% Paved, Add	*179.24*	
		For Smooth-Flo, Add	*228.09*	
33 42 11 00-0913	LF	112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	586.56	98.67
		For Bituminous Coated Pipe, Add	*77.67*	
		For Bituminous Coated And 25% Paved, Add	*189.52*	
		For Smooth-Flo, Add	*241.18*	
33 42 11 00-0914	LF	117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	623.63	104.47
		For Bituminous Coated Pipe, Add	*81.96*	
		For Bituminous Coated And 25% Paved, Add	*199.98*	
		For Smooth-Flo, Add	*254.49*	
33 42 11 00-0915	LF	128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	663.25	116.08
		For Bituminous Coated Pipe, Add	*86.22*	
		For Bituminous Coated And 25% Paved, Add	*210.38*	
		For Smooth-Flo, Add	*267.71*	
33 42 11 00-0916	LF	137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	707.81	127.68
		For Bituminous Coated Pipe, Add	*91.56*	
		For Bituminous Coated And 25% Paved, Add	*223.41*	
		For Smooth-Flo, Add	*284.29*	
33 42 11 00-0917		10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0907)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0918	LF	81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	516.73	74.29
		For Bituminous Coated Pipe, Add	*73.80*	
		For Bituminous Coated And 25% Paved, Add	*166.79*	
		For Smooth-Flo, Add	*181.18*	
33 42 11 00-0919	LF	87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	557.83	81.26
		For Bituminous Coated Pipe, Add	*79.06*	
		For Bituminous Coated And 25% Paved, Add	*178.68*	
		For Smooth-Flo, Add	*194.10*	
33 42 11 00-0920	LF	95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	595.63	87.06
		For Bituminous Coated Pipe, Add	*84.30*	
		For Bituminous Coated And 25% Paved, Add	*190.52*	
		For Smooth-Flo, Add	*206.96*	
33 42 11 00-0921	LF	103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	633.57	92.86
		For Bituminous Coated Pipe, Add	*89.57*	
		For Bituminous Coated And 25% Paved, Add	*202.42*	
		For Smooth-Flo, Add	*219.89*	
33 42 11 00-0922	LF	112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	671.46	98.67
		For Bituminous Coated Pipe, Add	*94.65*	
		For Bituminous Coated And 25% Paved, Add	*213.92*	
		For Smooth-Flo, Add	*232.38*	
33 42 11 00-0923	LF	117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	714.51	104.47
		For Bituminous Coated Pipe, Add	*100.14*	
		For Bituminous Coated And 25% Paved, Add	*226.31*	
		For Smooth-Flo, Add	*245.83*	
33 42 11 00-0924	LF	128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	759.48	116.08
		For Bituminous Coated Pipe, Add	*105.47*	
		For Bituminous Coated And 25% Paved, Add	*238.35*	
		For Smooth-Flo, Add	*258.92*	
33 42 11 00-0925	LF	137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	809.36	127.68
		For Bituminous Coated Pipe, Add	*111.87*	
		For Bituminous Coated And 25% Paved, Add	*252.83*	
		For Smooth-Flo, Add	*274.64*	
33 42 11 00-0926	LF	142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	855.98	139.29
		For Bituminous Coated Pipe, Add	*117.92*	
		For Bituminous Coated And 25% Paved, Add	*266.49*	
		For Smooth-Flo, Add	*289.48*	

33 42 11 00-0927 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0844)*

33 42 11 00-0928 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch
(33 42 11 00-0927)

33 42 11 00-0929	LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	82.02	12.02
33 42 11 00-0930	LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	94.09	13.11
33 42 11 00-0931	LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	110.18	14.21
33 42 11 00-0932	LF	28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	125.20	15.30
33 42 11 00-0933	LF	35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	161.50	19.68
33 42 11 00-0934	LF	42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	211.04	25.54

33 42 11 00-0935 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch
(33 42 11 00-0927)

33 42 11 00-0936	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	93.59	12.02
33 42 11 00-0937	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	108.22	13.11
33 42 11 00-0938	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	125.96	14.21
33 42 11 00-0939	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	143.54	15.30
33 42 11 00-0940	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	184.30	19.68
33 42 11 00-0941	LF	42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	238.16	25.54
33 42 11 00-0942	LF	49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	278.53	30.18

33 42 11 00-0943 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch
(33 42 11 00-0927)

33 42 11 00-0944	LF	21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	142.88	13.11
33 42 11 00-0945	LF	24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	167.00	14.21
33 42 11 00-0946	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	190.02	15.30
33 42 11 00-0947	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	242.31	19.68
33 42 11 00-0948	LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	308.23	25.54
33 42 11 00-0949	LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	360.13	30.18
33 42 11 00-0950	LF	57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	425.13	34.82
33 42 11 00-0951	LF	64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	471.68	39.47

33 42 11 00-0952 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch
(33 42 11 00-0927)

33 42 11 00-0953	LF	42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	363.19	25.54
33 42 11 00-0954	LF	49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	424.25	30.18
33 42 11 00-0955	LF	57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	497.82	34.82
33 42 11 00-0956	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	553.87	39.47
33 42 11 00-0957	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	606.80	41.79

33 42 11 00-0958 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0844)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0959		**14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch** *(33 42 11 00-0958)*		
33 42 11 00-0960	LF	60" x 46" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	476.47	39.47
33 42 11 00-0961	LF	66" x 51" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	520.55	41.79
33 42 11 00-0962	LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	651.93	51.07
33 42 11 00-0963	LF	81" x 59" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	738.94	74.29
33 42 11 00-0964	LF	87" x 63" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	795.04	81.26
33 42 11 00-0965	LF	95" x 67" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	848.13	87.06
33 42 11 00-0966	LF	103" x 71" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	900.99	92.86
33 42 11 00-0967	LF	112" x 75" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	954.81	98.67
33 42 11 00-0968		**12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch** *(33 42 11 00-0958)*		
33 42 11 00-0969	LF	66" x 51" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	653.07	41.79
33 42 11 00-0970	LF	73" x 55" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	799.45	51.07
33 42 11 00-0971	LF	81" x 59" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	899.49	74.29
33 42 11 00-0972	LF	87" x 63" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	968.38	81.26
33 42 11 00-0973	LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,034.34	87.06
33 42 11 00-0974	LF	103" x 71" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,100.21	92.86
33 42 11 00-0975	LF	112" x 75" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,166.77	98.67
33 42 11 00-0976	LF	117" x 79" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,236.95	104.47
33 42 11 00-0977	LF	128" x 83" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,309.53	116.08
33 42 11 00-0978	LF	137" x 87" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,387.07	127.68
33 42 11 00-0979		**10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch** *(33 42 11 00-0958)*		
33 42 11 00-0980	LF	81" x 59" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,045.14	74.29
33 42 11 00-0981	LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,126.07	81.26
33 42 11 00-0982	LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,204.07	87.06
33 42 11 00-0983	LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,281.64	92.86
33 42 11 00-0984	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,360.19	98.67
33 42 11 00-0985	LF	117" x 79" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,442.28	104.47
33 42 11 00-0986	LF	128" x 83" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,526.86	116.08
33 42 11 00-0987	LF	137" x 87" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,615.34	127.68
33 42 11 00-0988	LF	142" x 91" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,716.54	139.29
33 42 11 00-0989		**125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch** *(33 42 11 00-0844)*		
33 42 11 00-0990		**12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch** *(33 42 11 00-0989)*		
33 42 11 00-0991	LF	81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	886.39	74.29
33 42 11 00-0992	LF	87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	952.01	81.26
33 42 11 00-0993	LF	95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,013.88	87.06
33 42 11 00-0994	LF	103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,075.67	92.86
33 42 11 00-0995	LF	112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,138.70	98.67
33 42 11 00-0996	LF	117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,205.83	104.47
33 42 11 00-0997	LF	128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,275.26	116.08
33 42 11 00-0998	LF	137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,357.22	127.68
33 42 11 00-0999		**10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch** *(33 42 11 00-0989)*		
33 42 11 00-1000	LF	81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,041.74	74.29
33 42 11 00-1001	LF	87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,119.69	81.26
33 42 11 00-1002	LF	95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,194.17	87.06
33 42 11 00-1003	LF	103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,268.99	92.86
33 42 11 00-1004	LF	112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,342.61	98.67
33 42 11 00-1005	LF	117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,423.98	104.47
33 42 11 00-1006	LF	128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,506.34	116.08
33 42 11 00-1007	LF	137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,601.23	127.68
33 42 11 00-1008	LF	142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,689.97	139.29
33 42 11 00-1009		**Aluminized Type 2 Corrugated Steel Piping** *(33 42 11 00-0500)*		
33 42 11 00-1010		**2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping** *(33 42 11 00-1009)*		
33 42 11 00-1011		**16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping** *(33 42 11 00-1010)*		
33 42 11 00-1012	LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	46.70	11.47
		For 1/2 Bituminous Coated And 25% Paved, Add	*9.23*	
33 42 11 00-1013	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	53.46	12.02
		For 1/2 Bituminous Coated And 25% Paved, Add	*11.62*	
33 42 11 00-1014	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	60.47	13.11
		For 1/2 Bituminous Coated And 25% Paved, Add	*14.09*	
33 42 11 00-1015	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	69.31	14.21
		For 1/2 Bituminous Coated And 25% Paved, Add	*16.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1016	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	76.94	15.30
		For 1/2 Bituminous Coated And 25% Paved, Add	*18.97*	
33 42 11 00-1017	LF	30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	101.29	19.68
		For 1/2 Bituminous Coated And 25% Paved, Add	*24.62*	
33 42 11 00-1018	LF	36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	131.03	25.54
		For 1/2 Bituminous Coated And 25% Paved, Add	*31.05*	
33 42 11 00-1019	LF	42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	150.01	30.18
		For 1/2 Bituminous Coated And 25% Paved, Add	*36.73*	
33 42 11 00-1020	LF	48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	168.55	34.82
		For 1/2 Bituminous Coated And 25% Paved, Add	*41.16*	

33 42 11 00-1021 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1010)*

33 42 11 00-1022	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	51.68	11.47
		For 1/2 Bituminous Coated And 25% Paved, Add	*8.77*	
33 42 11 00-1023	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	59.62	12.02
		For 1/2 Bituminous Coated And 25% Paved, Add	*11.00*	
33 42 11 00-1024	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	67.81	13.11
		For 1/2 Bituminous Coated And 25% Paved, Add	*13.30*	
33 42 11 00-1025	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	77.82	14.21
		For 1/2 Bituminous Coated And 25% Paved, Add	*15.82*	
33 42 11 00-1026	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	86.82	15.30
		For 1/2 Bituminous Coated And 25% Paved, Add	*17.90*	
33 42 11 00-1027	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	113.37	19.68
		For 1/2 Bituminous Coated And 25% Paved, Add	*23.00*	
33 42 11 00-1028	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	145.66	25.54
		For 1/2 Bituminous Coated And 25% Paved, Add	*28.82*	
33 42 11 00-1029	LF	42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	166.84	30.18
		For 1/2 Bituminous Coated And 25% Paved, Add	*33.94*	
33 42 11 00-1030	LF	48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	187.73	34.82
		For 1/2 Bituminous Coated And 25% Paved, Add	*38.13*	
33 42 11 00-1031	LF	54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	225.32	39.47
		For 1/2 Bituminous Coated And 25% Paved, Add	*46.88*	

33 42 11 00-1032 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1010)*

33 42 11 00-1033	LF	18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	83.23	13.11
		For 1/2 Bituminous Coated And 25% Paved, Add	*12.39*	
33 42 11 00-1034	LF	21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	95.82	14.21
		For 1/2 Bituminous Coated And 25% Paved, Add	*14.67*	
33 42 11 00-1035	LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	107.27	15.30
		For 1/2 Bituminous Coated And 25% Paved, Add	*16.62*	
33 42 11 00-1036	LF	30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	138.90	19.68
		For 1/2 Bituminous Coated And 25% Paved, Add	*21.19*	
33 42 11 00-1037	LF	36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	176.45	25.54
		For 1/2 Bituminous Coated And 25% Paved, Add	*26.29*	
33 42 11 00-1038	LF	42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	202.52	30.18
		For 1/2 Bituminous Coated And 25% Paved, Add	*30.84*	
33 42 11 00-1039	LF	48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	228.44	34.82
		For 1/2 Bituminous Coated And 25% Paved, Add	*34.78*	
33 42 11 00-1040	LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	271.81	39.47
		For 1/2 Bituminous Coated And 25% Paved, Add	*42.00*	
33 42 11 00-1041	LF	60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	296.91	41.79
		For 1/2 Bituminous Coated And 25% Paved, Add	*45.92*	
33 42 11 00-1042	LF	66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	362.67	51.07
		For 1/2 Bituminous Coated And 25% Paved, Add	*56.47*	

33 42 11 00-1043 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1010)*

33 42 11 00-1044	LF	36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	204.14	25.54
		For 1/2 Bituminous Coated And 25% Paved, Add	*28.79*	
33 42 11 00-1045	LF	42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	234.91	30.18
		For 1/2 Bituminous Coated And 25% Paved, Add	*33.76*	
33 42 11 00-1046	LF	48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	265.20	34.82
		For 1/2 Bituminous Coated And 25% Paved, Add	*38.12*	
33 42 11 00-1047	LF	54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	313.04	39.47
		For 1/2 Bituminous Coated And 25% Paved, Add	*45.42*	
33 42 11 00-1048	LF	60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	342.79	41.79
		For 1/2 Bituminous Coated And 25% Paved, Add	*49.82*	
33 42 11 00-1049	LF	66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	413.06	51.07
		For 1/2 Bituminous Coated And 25% Paved, Add	*60.11*	
33 42 11 00-1050	LF	72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	483.35	74.29
		For 1/2 Bituminous Coated And 25% Paved, Add	*64.44*	

33 42 11 00-1051 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1009)*

33 42 11 00-1052 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1051)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1053	LF	36" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	152.80	25.54
		For 1/2 Bituminous Coated And 25% Paved, Add	*34.52*	
33 42 11 00-1054	LF	42" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	174.93	30.18
		For 1/2 Bituminous Coated And 25% Paved, Add	*40.54*	
33 42 11 00-1055	LF	48" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	196.56	34.82
		For 1/2 Bituminous Coated And 25% Paved, Add	*45.46*	
33 42 11 00-1056	LF	54" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	235.15	39.47
		For 1/2 Bituminous Coated And 25% Paved, Add	*55.53*	
33 42 11 00-1057	LF	60" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	256.19	41.79
		For 1/2 Bituminous Coated And 25% Paved, Add	*60.50*	
33 42 11 00-1058	LF	66" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	322.05	51.07
		For 1/2 Bituminous Coated And 25% Paved, Add	*77.71*	
33 42 11 00-1059	LF	72" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	384.39	74.29
		For 1/2 Bituminous Coated And 25% Paved, Add	*82.83*	
33 42 11 00-1060	LF	78" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	413.84	81.26
		For 1/2 Bituminous Coated And 25% Paved, Add	*87.97*	
33 42 11 00-1061	LF	84" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	440.16	87.06
		For 1/2 Bituminous Coated And 25% Paved, Add	*93.11*	
33 42 11 00-1062	LF	90" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	466.49	92.86
		For 1/2 Bituminous Coated And 25% Paved, Add	*98.27*	
33 42 11 00-1063	LF	96" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	493.61	98.67
		For 1/2 Bituminous Coated And 25% Paved, Add	*103.40*	
33 42 11 00-1064	LF	102" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	524.06	104.47
		For 1/2 Bituminous Coated And 25% Paved, Add	*108.58*	

33 42 11 00-1065 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping

(33 42 11 00-1051)

33 42 11 00-1066	LF	54" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	260.16	39.47
		For 1/2 Bituminous Coated And 25% Paved, Add	*48.12*	
33 42 11 00-1067	LF	60" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	283.84	41.79
		For 1/2 Bituminous Coated And 25% Paved, Add	*52.53*	
33 42 11 00-1068	LF	66" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	352.46	51.07
		For 1/2 Bituminous Coated And 25% Paved, Add	*66.14*	
33 42 11 00-1069	LF	72" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	417.53	74.29
		For 1/2 Bituminous Coated And 25% Paved, Add	*70.69*	
33 42 11 00-1070	LF	78" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	449.66	81.26
		For 1/2 Bituminous Coated And 25% Paved, Add	*75.23*	
33 42 11 00-1071	LF	84" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	478.80	87.06
		For 1/2 Bituminous Coated And 25% Paved, Add	*79.83*	
33 42 11 00-1072	LF	90" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	507.76	92.86
		For 1/2 Bituminous Coated And 25% Paved, Add	*84.37*	
33 42 11 00-1073	LF	96" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	537.57	98.67
		For 1/2 Bituminous Coated And 25% Paved, Add	*88.92*	
33 42 11 00-1074	LF	102" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	570.70	104.47
		For 1/2 Bituminous Coated And 25% Paved, Add	*93.50*	
33 42 11 00-1075	LF	108" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	606.46	116.08
		For 1/2 Bituminous Coated And 25% Paved, Add	*98.07*	
33 42 11 00-1076	LF	114" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	641.48	127.68
		For 1/2 Bituminous Coated And 25% Paved, Add	*102.57*	

33 42 11 00-1077 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping

(33 42 11 00-1051)

33 42 11 00-1078	LF	60" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	345.28	41.79
		For 1/2 Bituminous Coated And 25% Paved, Add	*70.46*	
33 42 11 00-1079	LF	66" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	420.49	51.07
		For 1/2 Bituminous Coated And 25% Paved, Add	*86.21*	
33 42 11 00-1080	LF	72" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	491.48	74.29
		For 1/2 Bituminous Coated And 25% Paved, Add	*92.47*	
33 42 11 00-1081	LF	78" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	529.63	81.26
		For 1/2 Bituminous Coated And 25% Paved, Add	*98.76*	
33 42 11 00-1082	LF	84" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	564.70	87.06
		For 1/2 Bituminous Coated And 25% Paved, Add	*105.07*	
33 42 11 00-1083	LF	90" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	599.67	92.86
		For 1/2 Bituminous Coated And 25% Paved, Add	*111.35*	
33 42 11 00-1084	LF	96" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	635.45	98.67
		For 1/2 Bituminous Coated And 25% Paved, Add	*117.62*	
33 42 11 00-1085	LF	102" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	674.55	104.47
		For 1/2 Bituminous Coated And 25% Paved, Add	*123.93*	
33 42 11 00-1086	LF	108" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	716.23	116.08
		For 1/2 Bituminous Coated And 25% Paved, Add	*130.22*	
33 42 11 00-1087	LF	114" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	757.27	127.68
		For 1/2 Bituminous Coated And 25% Paved, Add	*136.45*	
33 42 11 00-1088	LF	120" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	797.12	139.29
		For 1/2 Bituminous Coated And 25% Paved, Add	*142.76*	

33 42 11 00-1089 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping

(33 42 11 00-1051)

33 42 11 00-1090	LF	72" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	560.45	74.29
		For 1/2 Bituminous Coated And 25% Paved, Add	*113.50*	
33 42 11 00-1091	LF	78" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	604.14	81.26
		For 1/2 Bituminous Coated And 25% Paved, Add	*121.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1092	LF	84" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	644.90	87.06
		For 1/2 Bituminous Coated And 25% Paved, Add	*129.46*	
33 42 11 00-1093	LF	90" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	685.47	92.86
		For 1/2 Bituminous Coated And 25% Paved, Add	*137.43*	
33 42 11 00-1094	LF	96" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	726.98	98.67
		For 1/2 Bituminous Coated And 25% Paved, Add	*145.42*	
33 42 11 00-1095	LF	102" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	771.77	104.47
		For 1/2 Bituminous Coated And 25% Paved, Add	*153.43*	
33 42 11 00-1096	LF	108" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	819.05	116.08
		For 1/2 Bituminous Coated And 25% Paved, Add	*161.40*	
33 42 11 00-1097	LF	114" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	865.73	127.68
		For 1/2 Bituminous Coated And 25% Paved, Add	*169.32*	
33 42 11 00-1098	LF	120" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	911.26	139.29
		For 1/2 Bituminous Coated And 25% Paved, Add	*177.34*	
33 42 11 00-1099	LF	126" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	958.88	150.90
		For 1/2 Bituminous Coated And 25% Paved, Add	*185.29*	
33 42 11 00-1100	LF	132" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,009.50	162.51
		For 1/2 Bituminous Coated And 25% Paved, Add	*193.29*	
33 42 11 00-1101	LF	138" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,063.67	174.12
		For 1/2 Bituminous Coated And 25% Paved, Add	*201.31*	

33 42 11 00-1102 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping
(33 42 11 00-1009)

33 42 11 00-1103 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1102)*

33 42 11 00-1104	LF	48" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	197.36	34.82
		For 1/2 Bituminous Coated And 25% Paved, Add	*56.33*	
33 42 11 00-1105	LF	54" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	236.60	39.47
		For 1/2 Bituminous Coated And 25% Paved, Add	*69.01*	
33 42 11 00-1106	LF	60" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	257.46	41.79
		For 1/2 Bituminous Coated And 25% Paved, Add	*75.05*	
33 42 11 00-1107	LF	66" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	319.23	51.07
		For 1/2 Bituminous Coated And 25% Paved, Add	*94.48*	
33 42 11 00-1108	LF	72" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	381.24	74.29
		For 1/2 Bituminous Coated And 25% Paved, Add	*100.64*	
33 42 11 00-1109	LF	78" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	410.31	81.26
		For 1/2 Bituminous Coated And 25% Paved, Add	*106.80*	
33 42 11 00-1110	LF	84" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	436.12	87.06
		For 1/2 Bituminous Coated And 25% Paved, Add	*112.92*	
33 42 11 00-1111	LF	90" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	461.83	92.86
		For 1/2 Bituminous Coated And 25% Paved, Add	*119.00*	
33 42 11 00-1112	LF	96" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	488.68	98.67
		For 1/2 Bituminous Coated And 25% Paved, Add	*125.20*	
33 42 11 00-1113	LF	102" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	519.03	104.47
		For 1/2 Bituminous Coated And 25% Paved, Add	*131.54*	

33 42 11 00-1114 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1102)*

33 42 11 00-1115	LF	54" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	267.87	39.47
		For 1/2 Bituminous Coated And 25% Paved, Add	*65.07*	
33 42 11 00-1116	LF	60" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	292.30	41.79
		For 1/2 Bituminous Coated And 25% Paved, Add	*71.05*	
33 42 11 00-1117	LF	66" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	357.17	51.07
		For 1/2 Bituminous Coated And 25% Paved, Add	*87.43*	
33 42 11 00-1118	LF	72" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	422.28	74.29
		For 1/2 Bituminous Coated And 25% Paved, Add	*93.35*	
33 42 11 00-1119	LF	78" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	455.02	81.26
		For 1/2 Bituminous Coated And 25% Paved, Add	*99.45*	
33 42 11 00-1120	LF	84" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	484.31	87.06
		For 1/2 Bituminous Coated And 25% Paved, Add	*105.46*	
33 42 11 00-1121	LF	90" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	511.81	92.86
		For 1/2 Bituminous Coated And 25% Paved, Add	*110.87*	
33 42 11 00-1122	LF	96" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	543.63	98.67
		For 1/2 Bituminous Coated And 25% Paved, Add	*117.45*	
33 42 11 00-1123	LF	102" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	576.95	104.47
		For 1/2 Bituminous Coated And 25% Paved, Add	*123.46*	
33 42 11 00-1124	LF	108" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	612.76	116.08
		For 1/2 Bituminous Coated And 25% Paved, Add	*129.41*	
33 42 11 00-1125	LF	114" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	648.53	127.68
		For 1/2 Bituminous Coated And 25% Paved, Add	*135.50*	

33 42 11 00-1126 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1102)*

33 42 11 00-1127	LF	60" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	357.41	41.79
		For 1/2 Bituminous Coated And 25% Paved, Add	*78.39*	
33 42 11 00-1128	LF	66" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	428.95	51.07
		For 1/2 Bituminous Coated And 25% Paved, Add	*94.08*	
33 42 11 00-1129	LF	72" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	500.88	74.29
		For 1/2 Bituminous Coated And 25% Paved, Add	*101.00*	

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LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1130	LF	78" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	539.64	81.26
		For 1/2 Bituminous Coated And 25% Paved, Add	*107.86*	
33 42 11 00-1131	LF	84" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	575.09	87.06
		For 1/2 Bituminous Coated And 25% Paved, Add	*114.68*	
33 42 11 00-1132	LF	90" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	610.86	92.86
		For 1/2 Bituminous Coated And 25% Paved, Add	*121.59*	
33 42 11 00-1133	LF	96" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	647.25	98.67
		For 1/2 Bituminous Coated And 25% Paved, Add	*128.43*	
33 42 11 00-1134	LF	102" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	686.82	104.47
		For 1/2 Bituminous Coated And 25% Paved, Add	*135.28*	
33 42 11 00-1135	LF	108" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	729.25	116.08
		For 1/2 Bituminous Coated And 25% Paved, Add	*142.17*	
33 42 11 00-1136	LF	114" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	771.09	127.68
		For 1/2 Bituminous Coated And 25% Paved, Add	*149.03*	
33 42 11 00-1137	LF	120" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	811.46	139.29
		For 1/2 Bituminous Coated And 25% Paved, Add	*155.89*	
33 42 11 00-1138		10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1102)*		
33 42 11 00-1139	LF	72" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	576.15	74.29
		For 1/2 Bituminous Coated And 25% Paved, Add	*122.53*	
33 42 11 00-1140	LF	78" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	621.91	81.26
		For 1/2 Bituminous Coated And 25% Paved, Add	*131.39*	
33 42 11 00-1141	LF	84" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	663.89	87.06
		For 1/2 Bituminous Coated And 25% Paved, Add	*140.07*	
33 42 11 00-1142	LF	90" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	705.59	92.86
		For 1/2 Bituminous Coated And 25% Paved, Add	*148.68*	
33 42 11 00-1143	LF	96" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	748.37	98.67
		For 1/2 Bituminous Coated And 25% Paved, Add	*157.35*	
33 42 11 00-1144	LF	102" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	794.19	104.47
		For 1/2 Bituminous Coated And 25% Paved, Add	*165.98*	
33 42 11 00-1145	LF	108" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	842.84	116.08
		For 1/2 Bituminous Coated And 25% Paved, Add	*174.66*	
33 42 11 00-1146	LF	114" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	890.97	127.68
		For 1/2 Bituminous Coated And 25% Paved, Add	*183.31*	
33 42 11 00-1147	LF	120" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	937.50	139.29
		For 1/2 Bituminous Coated And 25% Paved, Add	*191.93*	
33 42 11 00-1148	LF	126" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	996.02	150.90
		For 1/2 Bituminous Coated And 25% Paved, Add	*203.32*	
33 42 11 00-1149	LF	132" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,050.30	162.51
		For 1/2 Bituminous Coated And 25% Paved, Add	*212.69*	
33 42 11 00-1150	LF	138" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,109.37	174.12
		For 1/2 Bituminous Coated And 25% Paved, Add	*222.43*	
33 42 11 00-1151		Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1009)*		
33 42 11 00-1152		16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1151)*		
33 42 11 00-1153	LF	18" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	68.89	13.11
33 42 11 00-1154	LF	21" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	79.04	14.21
33 42 11 00-1155	LF	24" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	88.46	15.30
33 42 11 00-1156	LF	30" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	115.34	19.68
33 42 11 00-1157	LF	36" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	147.54	25.54
33 42 11 00-1158	LF	42" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	169.05	30.18
33 42 11 00-1159	LF	48" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	190.69	34.82
33 42 11 00-1160	LF	54" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	226.64	39.47
33 42 11 00-1161	LF	60" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	247.64	41.79
33 42 11 00-1162		14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1151)*		
33 42 11 00-1163	LF	18" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	76.13	13.11
33 42 11 00-1164	LF	21" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	87.50	14.21
33 42 11 00-1165	LF	24" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	98.05	15.30
33 42 11 00-1166	LF	30" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	127.33	19.68
33 42 11 00-1167	LF	36" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	161.97	25.54
33 42 11 00-1168	LF	42" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	185.93	30.18
33 42 11 00-1169	LF	48" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	209.96	34.82
33 42 11 00-1170	LF	54" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	248.31	39.47
33 42 11 00-1171	LF	60" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	271.80	41.79
33 42 11 00-1172	LF	66" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	330.70	51.07
33 42 11 00-1173	LF	72" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	394.83	74.29
33 42 11 00-1174	LF	78" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	426.25	81.26
33 42 11 00-1175		12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1151)*		
33 42 11 00-1176	LF	30" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	151.64	19.68
33 42 11 00-1177	LF	36" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	191.07	25.54
33 42 11 00-1178	LF	42" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	220.01	30.18
33 42 11 00-1179	LF	48" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	248.84	34.82
33 42 11 00-1180	LF	54" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	292.03	39.47

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1181	LF	60" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	320.46	41.79
33 42 11 00-1182	LF	66" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	384.10	51.07
33 42 11 00-1183	LF	72" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	453.03	74.29
33 42 11 00-1184	LF	78" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	489.29	81.26
33 42 11 00-1185	LF	84" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	522.24	87.06
33 42 11 00-1186	LF	90" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	555.24	92.86
33 42 11 00-1187	LF	96" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	588.95	98.67
33 42 11 00-1188	LF	102" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	623.59	104.47

33 42 11 00-1189 Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-0500)*

33 42 11 00-1190 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1189)*

33 42 11 00-1191 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1190)*

33 42 11 00-1192	LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	55.15	12.02
		For 1/2 Bituminous Coated And 40% Paved, Add	*15.02*	
33 42 11 00-1193	LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	61.98	13.11
		For 1/2 Bituminous Coated And 40% Paved, Add	*17.94*	
33 42 11 00-1194	LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	71.38	14.21
		For 1/2 Bituminous Coated And 40% Paved, Add	*21.58*	
33 42 11 00-1195	LF	28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	80.42	15.30
		For 1/2 Bituminous Coated And 40% Paved, Add	*24.87*	
33 42 11 00-1196	LF	35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	104.44	19.68
		For 1/2 Bituminous Coated And 40% Paved, Add	*31.59*	
33 42 11 00-1197	LF	42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	136.82	25.54
		For 1/2 Bituminous Coated And 40% Paved, Add	*40.75*	

33 42 11 00-1198 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1190)*

33 42 11 00-1199	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	61.31	12.02
		For 1/2 Bituminous Coated And 40% Paved, Add	*15.56*	
33 42 11 00-1200	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	69.45	13.11
		For 1/2 Bituminous Coated And 40% Paved, Add	*18.64*	
33 42 11 00-1201	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	79.79	14.21
		For 1/2 Bituminous Coated And 40% Paved, Add	*22.18*	
33 42 11 00-1202	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	90.16	15.30
		For 1/2 Bituminous Coated And 40% Paved, Add	*25.58*	
33 42 11 00-1203	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	116.57	19.68
		For 1/2 Bituminous Coated And 40% Paved, Add	*32.39*	
33 42 11 00-1204	LF	42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	151.25	25.54
		For 1/2 Bituminous Coated And 40% Paved, Add	*41.26*	
33 42 11 00-1205	LF	49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	174.74	30.18
		For 1/2 Bituminous Coated And 40% Paved, Add	*49.15*	

33 42 11 00-1206 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1190)*

33 42 11 00-1207	LF	21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	84.68	13.11
		For 1/2 Bituminous Coated And 40% Paved, Add	*17.08*	
33 42 11 00-1208	LF	24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	97.85	14.21
		For 1/2 Bituminous Coated And 40% Paved, Add	*20.30*	
33 42 11 00-1209	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	110.61	15.30
		For 1/2 Bituminous Coated And 40% Paved, Add	*23.30*	
33 42 11 00-1210	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	142.09	19.68
		For 1/2 Bituminous Coated And 40% Paved, Add	*29.40*	
33 42 11 00-1211	LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	182.09	25.54
		For 1/2 Bituminous Coated And 40% Paved, Add	*36.97*	
33 42 11 00-1212	LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	210.70	30.18
		For 1/2 Bituminous Coated And 40% Paved, Add	*43.82*	
33 42 11 00-1213	LF	57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	247.20	34.82
		For 1/2 Bituminous Coated And 40% Paved, Add	*52.17*	
33 42 11 00-1214	LF	64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	275.48	39.47
		For 1/2 Bituminous Coated And 40% Paved, Add	*57.51*	

33 42 11 00-1215 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1190)*

33 42 11 00-1216	LF	42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	209.78	25.54
		For 1/2 Bituminous Coated And 40% Paved, Add	*38.90*	
33 42 11 00-1217	LF	49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	243.00	30.18
		For 1/2 Bituminous Coated And 40% Paved, Add	*45.98*	
33 42 11 00-1218	LF	57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	283.82	34.82
		For 1/2 Bituminous Coated And 40% Paved, Add	*54.29*	
33 42 11 00-1219	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	316.90	39.47
		For 1/2 Bituminous Coated And 40% Paved, Add	*60.11*	
33 42 11 00-1220	LF	71" x 47" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	346.97	41.79
		For 1/2 Bituminous Coated And 40% Paved, Add	*65.91*	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1221		3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1189)*		
33 42 11 00-1222		14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1221)*		
33 42 11 00-1223	LF	60" x 46" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	265.09	39.47
		For 1/2 Bituminous Coated And 40% Paved, Add	*86.38*	
33 42 11 00-1224	LF	66" x 51" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	289.71	41.79
		For 1/2 Bituminous Coated And 40% Paved, Add	*94.52*	
33 42 11 00-1225	LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	359.23	51.07
		For 1/2 Bituminous Coated And 40% Paved, Add	*118.72*	
33 42 11 00-1226	LF	81" x 59" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	425.62	74.29
		For 1/2 Bituminous Coated And 40% Paved, Add	*127.27*	
33 42 11 00-1227	LF	87" x 63" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	460.05	81.26
		For 1/2 Bituminous Coated And 40% Paved, Add	*136.27*	
33 42 11 00-1228	LF	95" x 67" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	491.36	87.06
		For 1/2 Bituminous Coated And 40% Paved, Add	*145.30*	
33 42 11 00-1229	LF	103" x 71" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	522.57	92.86
		For 1/2 Bituminous Coated And 40% Paved, Add	*154.27*	
33 42 11 00-1230	LF	112" x 75" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	554.68	98.67
		For 1/2 Bituminous Coated And 40% Paved, Add	*163.27*	
33 42 11 00-1231		12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1221)*		
33 42 11 00-1232	LF	66" x 51" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	351.20	41.79
		For 1/2 Bituminous Coated And 40% Paved, Add	*107.42*	
33 42 11 00-1233	LF	73" x 55" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	427.40	51.07
		For 1/2 Bituminous Coated And 40% Paved, Add	*131.28*	
33 42 11 00-1234	LF	81" x 59" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	499.85	74.29
		For 1/2 Bituminous Coated And 40% Paved, Add	*141.20*	
33 42 11 00-1235	LF	87" x 63" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	540.20	81.26
		For 1/2 Bituminous Coated And 40% Paved, Add	*151.45*	
33 42 11 00-1236	LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	577.58	87.06
		For 1/2 Bituminous Coated And 40% Paved, Add	*161.79*	
33 42 11 00-1237	LF	103" x 71" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	614.86	92.86
		For 1/2 Bituminous Coated And 40% Paved, Add	*172.08*	
33 42 11 00-1238	LF	112" x 75" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	652.89	98.67
		For 1/2 Bituminous Coated And 40% Paved, Add	*182.33*	
33 42 11 00-1239	LF	117" x 79" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	694.34	104.47
		For 1/2 Bituminous Coated And 40% Paved, Add	*192.68*	
33 42 11 00-1240	LF	128" x 83" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	738.33	116.08
		For 1/2 Bituminous Coated And 40% Paved, Add	*202.98*	
33 42 11 00-1241	LF	137" x 87" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	784.44	127.68
		For 1/2 Bituminous Coated And 40% Paved, Add	*214.31*	
33 42 11 00-1242		10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1221)*		
33 42 11 00-1243	LF	81" x 59" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	568.77	74.29
		For 1/2 Bituminous Coated And 40% Paved, Add	*152.84*	
33 42 11 00-1244	LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	614.86	81.26
		For 1/2 Bituminous Coated And 40% Paved, Add	*164.20*	
33 42 11 00-1245	LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	657.87	87.06
		For 1/2 Bituminous Coated And 40% Paved, Add	*175.60*	
33 42 11 00-1246	LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	700.70	92.86
		For 1/2 Bituminous Coated And 40% Paved, Add	*186.93*	
33 42 11 00-1247	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	748.23	98.67
		For 1/2 Bituminous Coated And 40% Paved, Add	*199.66*	
33 42 11 00-1248	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	791.51	104.47
		For 1/2 Bituminous Coated And 40% Paved, Add	*209.70*	
33 42 11 00-1249	LF	128" x 83" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	841.19	116.08
		For 1/2 Bituminous Coated And 40% Paved, Add	*221.08*	
33 42 11 00-1250	LF	137" x 87" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	892.43	127.68
		For 1/2 Bituminous Coated And 40% Paved, Add	*233.20*	
33 42 11 00-1251	LF	142" x 91" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	948.97	139.29
		For 1/2 Bituminous Coated And 40% Paved, Add	*247.77*	
33 42 11 00-1252		125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1189)*		
33 42 11 00-1253		12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1252)*		
33 42 11 00-1254	LF	81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	506.81	74.29
		For 1/2 Bituminous Coated And 40% Paved, Add	*138.96*	
33 42 11 00-1255	LF	87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	546.55	81.26
		For 1/2 Bituminous Coated And 40% Paved, Add	*148.62*	
33 42 11 00-1256	LF	95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	582.89	87.06
		For 1/2 Bituminous Coated And 40% Paved, Add	*158.19*	
33 42 11 00-1257	LF	103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	619.18	92.86
		For 1/2 Bituminous Coated And 40% Paved, Add	*167.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1258	LF	112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	656.46	98.67
		For 1/2 Bituminous Coated And 40% Paved, Add	*177.35*	
33 42 11 00-1259	LF	117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	697.40	104.47
		For 1/2 Bituminous Coated And 40% Paved, Add	*187.14*	
33 42 11 00-1260	LF	128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	740.87	116.08
		For 1/2 Bituminous Coated And 40% Paved, Add	*196.87*	
33 42 11 00-1261	LF	137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	790.22	127.68
		For 1/2 Bituminous Coated And 40% Paved, Add	*209.06*	
33 42 11 00-1262		10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1252)*		
33 42 11 00-1263	LF	81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	583.16	74.29
		For 1/2 Bituminous Coated And 40% Paved, Add	*154.14*	
33 42 11 00-1264	LF	87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	629.01	81.26
		For 1/2 Bituminous Coated And 40% Paved, Add	*165.14*	
33 42 11 00-1265	LF	95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	671.51	87.06
		For 1/2 Bituminous Coated And 40% Paved, Add	*176.08*	
33 42 11 00-1266	LF	103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	714.19	92.86
		For 1/2 Bituminous Coated And 40% Paved, Add	*187.07*	
33 42 11 00-1267	LF	112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	756.69	98.67
		For 1/2 Bituminous Coated And 40% Paved, Add	*197.71*	
33 42 11 00-1268	LF	117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	804.63	104.47
		For 1/2 Bituminous Coated And 40% Paved, Add	*209.14*	
33 42 11 00-1269	LF	128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	854.45	116.08
		For 1/2 Bituminous Coated And 40% Paved, Add	*220.29*	
33 42 11 00-1270	LF	137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	910.06	127.68
		For 1/2 Bituminous Coated And 40% Paved, Add	*233.66*	
33 42 11 00-1271	LF	142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	962.13	139.29
		For 1/2 Bituminous Coated And 40% Paved, Add	*246.29*	
33 42 11 00-1272		Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-0500)*		
33 42 11 00-1273		1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1272)*		
33 42 11 00-1274		18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1273)*		
33 42 11 00-1275	LF	6" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	27.98	6.56
		For Bituminous Coated Pipe, Add	*2.86*	
33 42 11 00-1276	LF	8" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	36.10	8.20
		For Bituminous Coated Pipe, Add	*3.88*	
33 42 11 00-1277	LF	10" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	46.79	9.84
		For Bituminous Coated Pipe, Add	*5.11*	
33 42 11 00-1278		16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1273)*		
33 42 11 00-1279	LF	6" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	31.26	6.56
		For Bituminous Coated Pipe, Add	*2.83*	
33 42 11 00-1280	LF	8" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	40.74	8.20
		For Bituminous Coated Pipe, Add	*3.88*	
33 42 11 00-1281	LF	10" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	52.97	9.84
		For Bituminous Coated Pipe, Add	*5.12*	
33 42 11 00-1282		2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1272)*		
33 42 11 00-1283		16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1282)*		
33 42 11 00-1284	LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	54.23	11.47
		For Bituminous Coated Pipe, Add	*5.62*	
33 42 11 00-1285	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	62.81	12.02
		For Bituminous Coated Pipe, Add	*7.05*	
33 42 11 00-1286	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	71.92	13.11
		For Bituminous Coated Pipe, Add	*8.57*	
33 42 11 00-1287	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	82.91	14.21
		For Bituminous Coated Pipe, Add	*10.23*	
33 42 11 00-1288	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	92.68	15.30
		For Bituminous Coated Pipe, Add	*11.60*	
33 42 11 00-1289		14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1282)*		
33 42 11 00-1290	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	61.25	11.47
		For Bituminous Coated Pipe, Add	*5.50*	
33 42 11 00-1291	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	71.76	12.02
		For Bituminous Coated Pipe, Add	*6.92*	
33 42 11 00-1292	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	82.65	13.11
		For Bituminous Coated Pipe, Add	*8.39*	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1293	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	95.35	14.21
		For Bituminous Coated Pipe, Add	*9.96*	
33 42 11 00-1294	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	106.96	15.30
		For Bituminous Coated Pipe, Add	*11.32*	
33 42 11 00-1295	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	139.03	19.68
		For Bituminous Coated Pipe, Add	*14.50*	
33 42 11 00-1296	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	176.85	25.54
		For Bituminous Coated Pipe, Add	*18.03*	
33 42 11 00-1297		12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1282)*		
33 42 11 00-1298	LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	134.26	15.30
		For Bituminous Coated Pipe, Add	*10.74*	
33 42 11 00-1299	LF	30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	173.00	19.68
		For Bituminous Coated Pipe, Add	*13.66*	
33 42 11 00-1300	LF	36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	217.66	25.54
		For Bituminous Coated Pipe, Add	*16.84*	
33 42 11 00-1301	LF	42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	251.37	30.18
		For Bituminous Coated Pipe, Add	*19.80*	
33 42 11 00-1302	LF	48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	284.32	34.82
		For Bituminous Coated Pipe, Add	*22.42*	
33 42 11 00-1303	LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	334.68	39.47
		For Bituminous Coated Pipe, Add	*26.59*	
33 42 11 00-1304		10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1282)*		
33 42 11 00-1305	LF	36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	261.15	25.54
		For Bituminous Coated Pipe, Add	*16.56*	
33 42 11 00-1306	LF	42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	302.04	30.18
		For Bituminous Coated Pipe, Add	*19.44*	
33 42 11 00-1307	LF	48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	342.39	34.82
		For Bituminous Coated Pipe, Add	*22.06*	
33 42 11 00-1308	LF	54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	400.01	39.47
		For Bituminous Coated Pipe, Add	*25.88*	
33 42 11 00-1309	LF	60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	439.84	41.79
		For Bituminous Coated Pipe, Add	*28.52*	
33 42 11 00-1310		3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1272)*		
33 42 11 00-1311		16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1310)*		
33 42 11 00-1312	LF	30" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	136.81	19.68
33 42 11 00-1313	LF	36" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	174.08	25.54
33 42 11 00-1314	LF	42" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	199.63	30.18
33 42 11 00-1315	LF	48" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	226.10	34.82
33 42 11 00-1316	LF	54" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	267.24	39.47
33 42 11 00-1317		14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1310)*		
33 42 11 00-1318	LF	30" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	154.70	19.68
33 42 11 00-1319	LF	36" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	199.61	25.54
33 42 11 00-1320	LF	42" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	229.26	30.18
33 42 11 00-1321	LF	48" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	258.44	34.82
33 42 11 00-1322	LF	54" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	305.13	39.47
33 42 11 00-1323	LF	60" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	333.64	41.79
33 42 11 00-1324	LF	66" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	406.00	51.07
33 42 11 00-1325	LF	72" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	475.62	74.29
33 42 11 00-1326	LF	78" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	512.36	81.26
33 42 11 00-1327		12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1310)*		
33 42 11 00-1328	LF	30" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	196.49	19.68
33 42 11 00-1329	LF	36" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	246.60	25.54
33 42 11 00-1330	LF	42" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	285.41	30.18
33 42 11 00-1331	LF	48" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	322.84	34.82
33 42 11 00-1332	LF	54" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	377.42	39.47
33 42 11 00-1333	LF	60" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	413.69	41.79
33 42 11 00-1334	LF	66" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	493.80	51.07
33 42 11 00-1335	LF	72" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	571.37	74.29
33 42 11 00-1336	LF	78" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	615.93	81.26
33 42 11 00-1337	LF	84" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	657.46	87.06
33 42 11 00-1338	LF	90" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	698.85	92.86
33 42 11 00-1339	LF	96" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	741.10	98.67

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1340		10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1310)*		
33 42 11 00-1341	LF	60" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	497.89	41.79
33 42 11 00-1342	LF	66" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	582.86	51.07
33 42 11 00-1343	LF	72" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	668.43	74.29
33 42 11 00-1344	LF	78" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	720.99	81.26
33 42 11 00-1345	LF	84" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	770.38	87.06
33 42 11 00-1346	LF	90" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	819.76	92.86
33 42 11 00-1347	LF	96" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	869.94	98.67
33 42 11 00-1348	LF	102" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	923.49	104.47
33 42 11 00-1349	LF	108" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	979.59	116.08
33 42 11 00-1350		Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1272)*		
		Note: Contech ULTRA FLO. HS 20 and HS 25 vehicular loading.		
33 42 11 00-1351		16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1350)*		
33 42 11 00-1352	LF	18" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	96.01	13.11
33 42 11 00-1353	LF	21" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	103.25	14.21
33 42 11 00-1354	LF	24" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	124.71	15.30
33 42 11 00-1355	LF	27" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	144.01	17.49
33 42 11 00-1356	LF	30" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	161.32	19.68
33 42 11 00-1357	LF	33" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	180.24	21.86
33 42 11 00-1358		14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1350)*		
33 42 11 00-1359	LF	18" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	111.15	13.11
33 42 11 00-1360	LF	21" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	128.64	14.21
33 42 11 00-1361	LF	24" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	145.07	15.30
33 42 11 00-1362	LF	27" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	166.86	17.49
33 42 11 00-1363	LF	30" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	186.66	19.68
33 42 11 00-1364	LF	33" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	208.17	21.86
33 42 11 00-1365	LF	36" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	234.37	25.54
33 42 11 00-1366	LF	42" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	270.83	30.18
33 42 11 00-1367	LF	48" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	306.48	34.82
33 42 11 00-1368		12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1350)*		
33 42 11 00-1369	LF	30" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	236.21	19.68
33 42 11 00-1370	LF	33" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	262.56	21.86
33 42 11 00-1371	LF	36" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	293.79	25.54
33 42 11 00-1372	LF	42" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	340.22	30.18
33 42 11 00-1373	LF	48" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	385.79	34.82
33 42 11 00-1374	LF	54" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	534.94	39.47
33 42 11 00-1375	LF	60" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	588.80	41.79
33 42 11 00-1376		10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1350)*		
33 42 11 00-1377	LF	48" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	547.37	34.82
33 42 11 00-1378	LF	54" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	634.56	39.47
33 42 11 00-1379	LF	60" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	699.61	41.79
33 42 11 00-1380	LF	66" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	812.57	51.07
33 42 11 00-1381	LF	72" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	917.22	74.29
33 42 11 00-1382	LF	78" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	989.78	81.26
33 42 11 00-1383	LF	84" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,058.56	87.06
33 42 11 00-1384		Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-0500)*		
33 42 11 00-1385		2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1384)*		
33 42 11 00-1386		16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1385)*		
33 42 11 00-1387	LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	66.01	12.02
		For Bituminous Coated Pipe, Add	*7.07*	
33 42 11 00-1388	LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	74.95	13.11
		For Bituminous Coated Pipe, Add	*8.44*	
33 42 11 00-1389	LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	86.36	14.21
		For Bituminous Coated Pipe, Add	*10.05*	
33 42 11 00-1390		14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1385)*		
33 42 11 00-1391	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	74.98	12.02
		For Bituminous Coated Pipe, Add	*7.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1392	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	83.56	13.11
		For Bituminous Coated Pipe, Add	*8.12*	
33 42 11 00-1393	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	98.80	14.21
		For Bituminous Coated Pipe, Add	*9.97*	
33 42 11 00-1394	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	111.64	15.30
		For Bituminous Coated Pipe, Add	*11.43*	
33 42 11 00-1395	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	143.68	19.68
		For Bituminous Coated Pipe, Add	*14.46*	
33 42 11 00-1396		**12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch** *(33 42 11 00-1385)*		
33 42 11 00-1397	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	138.95	15.30
		For Bituminous Coated Pipe, Add	*10.90*	
33 42 11 00-1398	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	177.74	19.68
		For Bituminous Coated Pipe, Add	*13.74*	
33 42 11 00-1399	LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	225.68	25.54
		For Bituminous Coated Pipe, Add	*17.15*	
33 42 11 00-1400	LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	261.93	30.18
		For Bituminous Coated Pipe, Add	*20.28*	
33 42 11 00-1401		**10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch** *(33 42 11 00-1385)*		
33 42 11 00-1402	LF	42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	269.11	25.54
		For Bituminous Coated Pipe, Add	*16.55*	
33 42 11 00-1403	LF	49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	312.68	30.18
		For Bituminous Coated Pipe, Add	*19.53*	
33 42 11 00-1404	LF	57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	363.76	34.82
		For Bituminous Coated Pipe, Add	*22.88*	
33 42 11 00-1405	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	407.03	39.47
		For Bituminous Coated Pipe, Add	*25.45*	
33 42 11 00-1406		**3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch** *(33 42 11 00-1384)*		
33 42 11 00-1407		**14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch** *(33 42 11 00-1406)*		
33 42 11 00-1408	LF	60" x 46" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	312.15	39.47
33 42 11 00-1409	LF	66" x 51" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	341.81	41.79
33 42 11 00-1410	LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	416.09	51.07
33 42 11 00-1411		**12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch** *(33 42 11 00-1406)*		
33 42 11 00-1412	LF	60" x 46" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	384.44	39.47
33 42 11 00-1413	LF	66" x 51" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	421.86	41.79
33 42 11 00-1414	LF	73" x 55" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	503.53	51.07
33 42 11 00-1415	LF	81" x 59" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	581.84	74.29
33 42 11 00-1416	LF	87" x 63" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	627.15	81.26
33 42 11 00-1417	LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	669.41	87.06
33 42 11 00-1418		**10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch** *(33 42 11 00-1406)*		
33 42 11 00-1419	LF	66" x 51" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	505.93	41.79
33 42 11 00-1420	LF	73" x 55" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	592.23	51.07
33 42 11 00-1421	LF	81" x 59" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	678.52	74.29
33 42 11 00-1422	LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	731.82	81.26
33 42 11 00-1423	LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	781.96	87.06
33 42 11 00-1424	LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	832.05	92.86
33 42 11 00-1425		**Corrugated Steel Pipe Fittings** *(33 42 11 00-0500)* Note: Equivalent pipe-arch sizes are approximate.		
33 42 11 00-1426		**Fabricate 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fittings** *(33 42 11 00-1425)* Note: Excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed.		
33 42 11 00-1427	EA	Fabricate 6" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe)	92.55	
33 42 11 00-1428	EA	Fabricate 8" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe)	116.06	
33 42 11 00-1429	EA	Fabricate 10" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe)	139.58	
33 42 11 00-1430	EA	Fabricate 12" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	164.57	
33 42 11 00-1431	EA	Fabricate 15" (Or 17" x 13" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	199.82	
33 42 11 00-1432	EA	Fabricate 18" (Or 21" x 15" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	235.06	
33 42 11 00-1433	EA	Fabricate 21" (Or 24" x 18" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	270.33	
33 42 11 00-1434	EA	Fabricate 24" (Or 28" x 20" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	305.57	
33 42 11 00-1435	EA	Fabricate 30" (Or 35" x 24" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	398.15	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1436	EA	Fabricate 36" (Or 42" x 29" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	474.53	
33 42 11 00-1437	EA	Fabricate 42" (Or 49" x 33" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	550.94	
33 42 11 00-1438	EA	Fabricate 48" (Or 57" x 38" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	712.55	
33 42 11 00-1439	EA	Fabricate 54" (Or 64" x 43" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe)	803.65	
33 42 11 00-1440	EA	Fabricate 60" (Or 71" x 47" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe)	897.68	
33 42 11 00-1441	EA	Fabricate 66" (Or 77" x 52" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe)	994.65	
33 42 11 00-1442	EA	Fabricate 72" (Or 83" x 57" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe)	1,212.09	
33 42 11 00-1443	EA	Fabricate 78" (Or 87" x 63" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe)	1,322.26	
33 42 11 00-1444	EA	Fabricate 84" (Or 95" x 67" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe)	1,435.39	
33 42 11 00-1445	EA	Fabricate 90" (Or 103" x 71" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	1,761.55	
33 42 11 00-1446	EA	Fabricate 96" (Or 112" x 75" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	1,890.86	
33 42 11 00-1447	EA	Fabricate 102" (Or 117" x 79" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	2,021.60	
33 42 11 00-1448	EA	Fabricate 108" (Or 128" x 83" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe)	2,152.35	
33 42 11 00-1449	EA	Fabricate 114" (Or 137" x 87" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe)	2,281.64	
33 42 11 00-1450	EA	Fabricate 120" (Or 142" x 91" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe)	2,412.41	
33 42 11 00-1451	EA	Fabricate 126" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	2,550.27	
33 42 11 00-1452	EA	Fabricate 132" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	2,696.01	
33 42 11 00-1453	EA	Fabricate 138" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	2,850.05	

33 42 11 00-1454 Fabricate Corrugated Steel Pipe Tees Or Laterals *(33 42 11 00-1425)*

Note: Fabrication charge excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed.

33 42 11 00-1455	EA	Fabricate 6" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe)	120.48	
33 42 11 00-1456	EA	Fabricate 8" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe)	154.27	
33 42 11 00-1457	EA	Fabricate 10" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe)	188.03	
33 42 11 00-1458	EA	Fabricate 12" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe)	221.85	
33 42 11 00-1459	EA	Fabricate 15" (Or 17" x 13" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	270.33	
33 42 11 00-1460	EA	Fabricate 18" (Or 21" x 15" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	320.26	
33 42 11 00-1461	EA	Fabricate 21" (Or 24" x 18" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	370.25	
33 42 11 00-1462	EA	Fabricate 24" (Or 28" x 20" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	420.16	
33 42 11 00-1463	EA	Fabricate 30" (Or 35" x 24" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe)	550.94	
33 42 11 00-1464	EA	Fabricate 36" (Or 42" x 29" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe)	656.73	
33 42 11 00-1465	EA	Fabricate 42" (Or 49" x 33" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe)	763.97	
33 42 11 00-1466	EA	Fabricate 48" (Or 57" x 38" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe)	991.69	
33 42 11 00-1467	EA	Fabricate 54" (Or 64" x 43" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	1,116.57	
33 42 11 00-1468	EA	Fabricate 60" (Or 71" x 47" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	1,245.85	
33 42 11 00-1469	EA	Fabricate 66" (Or 77" x 52" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	1,378.09	
33 42 11 00-1470	EA	Fabricate 72" (Or 83" x 57" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe)	1,680.73	
33 42 11 00-1471	EA	Fabricate 78" (Or 87" x 63" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	1,830.61	
33 42 11 00-1472	EA	Fabricate 84" (Or 95" x 67" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	1,983.39	
33 42 11 00-1473	EA	Fabricate 90" (Or 103" x 71" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe)	2,440.28	
33 42 11 00-1474	EA	Fabricate 96" (Or 112" x 75" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe)	2,615.13	
33 42 11 00-1475	EA	Fabricate 102" (Or 117" x 79" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe)	2,789.97	
33 42 11 00-1476	EA	Fabricate 108" (Or 128" x 83" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe)	2,966.25	
33 42 11 00-1477	EA	Fabricate 114" (Or 137" x 87" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe)	3,142.57	
33 42 11 00-1478	EA	Fabricate 120" (Or 142" x 91" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe)	3,317.38	
33 42 11 00-1479	EA	Fabricate 126" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 23' Of Appropriate Pipe)	3,501.94	
33 42 11 00-1480	EA	Fabricate 132" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe)	3,696.75	

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LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1481	EA	Fabricate 138" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe)	3,902.38	

33 42 11 00-1482 Fabricate Skew Or Bevel Ends, Corrugated Steel Pipe Fitting *(33 42 11 00-1425)*

Note: Applied to pipe tasks.

33 42 11 00-1483	EA	Fabricate 6" Skew Or Bevel End, Corrugated Steel Pipe Fitting	46.66	
33 42 11 00-1484	EA	Fabricate 8" Skew Or Bevel End, Corrugated Steel Pipe Fitting	58.69	
33 42 11 00-1485	EA	Fabricate 10" Skew Or Bevel End, Corrugated Steel Pipe Fitting	73.83	
33 42 11 00-1486	EA	Fabricate 12" Skew Or Bevel End, Corrugated Steel Pipe Fitting	90.40	
33 42 11 00-1487	EA	Fabricate 15" (Or 17" x 13" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	114.40	
33 42 11 00-1488	EA	Fabricate 18" (Or 21" x 15" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	140.08	
33 42 11 00-1489	EA	Fabricate 21" (Or 24" x 18" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	164.08	
33 42 11 00-1490	EA	Fabricate 24" (Or 28" x 20" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	190.63	
33 42 11 00-1491	EA	Fabricate 30" (Or 35" x 24" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	234.14	
33 42 11 00-1492	EA	Fabricate 36" (Or 42" x 29" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	279.16	
33 42 11 00-1493	EA	Fabricate 42" (Or 49" x 33" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	333.09	
33 42 11 00-1494	EA	Fabricate 48" (Or 57" x 38" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	409.74	
33 42 11 00-1495	EA	Fabricate 54" (Or 64" x 43" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	463.78	
33 42 11 00-1496	EA	Fabricate 60" (Or 71" x 47" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	522.29	
33 42 11 00-1497	EA	Fabricate 66" (Or 77" x 52" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	633.38	
33 42 11 00-1498	EA	Fabricate 72" (Or 83" x 57" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	702.40	
33 42 11 00-1499	EA	Fabricate 78" (Or 87" x 63" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	857.00	
33 42 11 00-1500	EA	Fabricate 84" (Or 95" x 67" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	933.57	
33 42 11 00-1501	EA	Fabricate 90" (Or 103" x 71" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,014.65	
33 42 11 00-1502	EA	Fabricate 96" (Or 112" x 75" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,094.13	
33 42 11 00-1503	EA	Fabricate 102" (Or 117" x 79" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,175.19	
33 42 11 00-1504	EA	Fabricate 108" (Or 128" x 83" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,257.72	
33 42 11 00-1505	EA	Fabricate 114" (Or 137" x 87" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,338.80	
33 42 11 00-1506	EA	Fabricate 120" (Or 142" x 91" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,419.83	
33 42 11 00-1507	EA	Fabricate 126" Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,505.76	
33 42 11 00-1508	EA	Fabricate 132" Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,596.88	
33 42 11 00-1509	EA	Fabricate 138" Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,693.53	

33 42 11 00-1510 Saddles, Corrugated Steel Pipe Fitting *(33 42 11 00-1425)*

Note: For Field Tap

33 42 11 00-1511	EA	6" Saddle, Corrugated Steel Pipe Fitting	271.64	
33 42 11 00-1512	EA	8" Saddle, Corrugated Steel Pipe Fitting	306.64	
33 42 11 00-1513	EA	10" Saddle, Corrugated Steel Pipe Fitting	352.92	
33 42 11 00-1514	EA	12" Saddle, Corrugated Steel Pipe Fitting	431.82	
33 42 11 00-1515	EA	15" Saddle, Corrugated Steel Pipe Fitting	532.42	
33 42 11 00-1516	EA	18" Saddle, Corrugated Steel Pipe Fitting	635.16	
33 42 11 00-1517	EA	21" Saddle, Corrugated Steel Pipe Fitting	800.43	
33 42 11 00-1518	EA	24" Saddle, Corrugated Steel Pipe Fitting	951.15	
33 42 11 00-1519	EA	30" Saddle, Corrugated Steel Pipe Fitting	1,195.88	
33 42 11 00-1520	EA	36" Saddle, Corrugated Steel Pipe Fitting	1,541.73	
33 42 11 00-1521	EA	42" Saddle, Corrugated Steel Pipe Fitting	1,820.20	
33 42 11 00-1522	EA	48" Saddle, Corrugated Steel Pipe Fitting	2,140.79	
33 42 11 00-1523	EA	54" Saddle, Corrugated Steel Pipe Fitting	2,547.21	
33 42 11 00-1524	EA	60" Saddle, Corrugated Steel Pipe Fitting	3,018.68	
33 42 11 00-1525	EA	66" Saddle, Corrugated Steel Pipe Fitting	3,439.03	
33 42 11 00-1526	EA	72" Saddle, Corrugated Steel Pipe Fitting	3,836.08	
33 42 11 00-1527	EA	78" Saddle, Corrugated Steel Pipe Fitting	4,503.43	
33 42 11 00-1528	EA	84" Saddle, Corrugated Steel Pipe Fitting	4,974.16	
33 42 11 00-1529	EA	90" Saddle, Corrugated Steel Pipe Fitting	5,887.12	
33 42 11 00-1530	EA	96" Saddle, Corrugated Steel Pipe Fitting	6,507.09	
33 42 11 00-1531	EA	102" Saddle, Corrugated Steel Pipe Fitting	7,382.46	
33 42 11 00-1532	EA	108" Saddle, Corrugated Steel Pipe Fitting	8,377.31	
33 42 11 00-1533	EA	114" Saddle, Corrugated Steel Pipe Fitting	9,504.91	
33 42 11 00-1534	EA	120" Saddle, Corrugated Steel Pipe Fitting	10,782.58	

33 42 11 00-1535 Coupling Bands, Corrugated Metal Pipe Fitting *(33 42 11 00-1425)*

33 42 11 00-1536	EA	6" Coupling Band, Corrugated Metal Pipe Fitting	16.36	
		For Bituminous Coated, Add		*4.74*
33 42 11 00-1537	EA	8" Coupling Band, Corrugated Metal Pipe Fitting	21.72	
		For Bituminous Coated, Add		*6.30*
33 42 11 00-1538	EA	10" Coupling Band, Corrugated Metal Pipe Fitting	27.36	
		For Bituminous Coated, Add		*7.93*
33 42 11 00-1539	EA	12" Coupling Band, Corrugated Metal Pipe Fitting	45.41	
		For Bituminous Coated, Add		*13.17*
33 42 11 00-1540	EA	15" Coupling Band, Corrugated Metal Pipe Fitting	57.26	
		For Bituminous Coated, Add		*16.61*
33 42 11 00-1541	EA	18" Coupling Band, Corrugated Metal Pipe Fitting	84.01	
		For Bituminous Coated, Add		*24.36*
33 42 11 00-1542	EA	21" Coupling Band, Corrugated Metal Pipe Fitting	99.71	
		For Bituminous Coated, Add		*28.92*
33 42 11 00-1543	EA	24" Coupling Band, Corrugated Metal Pipe Fitting	113.06	
		For Bituminous Coated, Add		*32.79*
33 42 11 00-1544	EA	30" Coupling Band, Corrugated Metal Pipe Fitting	195.66	
		For Bituminous Coated, Add		*56.74*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1545	EA	36" Coupling Band, Corrugated Metal Pipe Fitting	313.05	
		For Bituminous Coated, Add	*75.13*	
33 42 11 00-1546	EA	42" Coupling Band, Corrugated Metal Pipe Fitting	367.82	
		For Bituminous Coated, Add	*88.28*	
33 42 11 00-1547	EA	48" Coupling Band, Corrugated Metal Pipe Fitting	412.15	
		For Bituminous Coated, Add	*98.92*	
33 42 11 00-1548	EA	54" Coupling Band, Corrugated Metal Pipe Fitting	584.50	
		For Bituminous Coated, Add	*140.28*	
33 42 11 00-1549	EA	60" Coupling Band, Corrugated Metal Pipe Fitting	836.01	
		For Bituminous Coated, Add	*150.48*	
33 42 11 00-1550	EA	66" Coupling Band, Corrugated Metal Pipe Fitting	1,027.45	
		For Bituminous Coated, Add	*184.94*	
33 42 11 00-1551	EA	72" Coupling Band, Corrugated Metal Pipe Fitting	1,319.81	
		For Bituminous Coated, Add	*184.77*	
33 42 11 00-1552	EA	78" Coupling Band, Corrugated Metal Pipe Fitting	1,411.63	
		For Bituminous Coated, Add	*197.63*	
33 42 11 00-1553	EA	84" Coupling Band, Corrugated Metal Pipe Fitting	1,503.96	
		For Bituminous Coated, Add	*210.55*	
33 42 11 00-1554	EA	90" Coupling Band, Corrugated Metal Pipe Fitting	1,595.82	
		For Bituminous Coated, Add	*223.41*	
33 42 11 00-1555	EA	96" Coupling Band, Corrugated Metal Pipe Fitting	1,687.92	
		For Bituminous Coated, Add	*236.31*	
33 42 11 00-1556	EA	102" Coupling Band, Corrugated Metal Pipe Fitting	1,780.25	
		For Bituminous Coated, Add	*249.24*	
33 42 11 00-1557	EA	108" Coupling Band, Corrugated Metal Pipe Fitting	1,872.16	
		For Bituminous Coated, Add	*262.10*	
33 42 11 00-1558	EA	114" Coupling Band, Corrugated Metal Pipe Fitting	2,217.37	
		For Bituminous Coated, Add	*266.08*	
33 42 11 00-1559	EA	120" Coupling Band, Corrugated Metal Pipe Fitting	2,055.83	
		For Bituminous Coated, Add	*246.70*	
33 42 11 00-1560	EA	126" Coupling Band, Corrugated Metal Pipe Fitting	2,147.46	
		For Bituminous Coated, Add	*257.70*	
33 42 11 00-1561	EA	132" Coupling Band, Corrugated Metal Pipe Fitting	2,239.75	
		For Bituminous Coated, Add	*268.77*	
33 42 11 00-1562	EA	138" Coupling Band, Corrugated Metal Pipe Fitting	2,332.12	
		For Bituminous Coated, Add	*279.85*	

33 42 11 00-1563 90 Degree Bends, Galvanized Corrugated Metal Pipe Fitting *(33 42 11 00-1425)*

33 42 11 00-1564	EA	12" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	438.75	131.17
33 42 11 00-1565	EA	15" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	534.47	163.97
33 42 11 00-1566	EA	18" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	628.70	218.62
33 42 11 00-1567	EA	24" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	887.37	306.07
33 42 11 00-1568	EA	30" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	1,105.37	349.80
33 42 11 00-1569	EA	36" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	1,525.05	394.67
33 42 11 00-1570	EA	42" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	1,804.15	464.31
33 42 11 00-1571	EA	48" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	2,065.25	464.31
33 42 11 00-1572	EA	54" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	2,513.51	650.03
33 42 11 00-1573	EA	60" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	2,845.65	650.03
33 42 11 00-1574	EA	66" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	3,444.86	812.54
33 42 11 00-1575	EA	72" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	3,672.62	864.77
33 42 11 00-1576	EA	78" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	4,460.20	1,083.35
33 42 11 00-1577	EA	84" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	4,956.71	1,160.77

33 42 11 00-1578 Wyes Or Tees, Galvanized Corrugated Metal Pipe Fitting *(33 42 11 00-1425)*

33 42 11 00-1579	EA	12" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	636.88	174.90
33 42 11 00-1580	EA	15" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	735.26	218.62
33 42 11 00-1581	EA	18" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	858.48	284.21
33 42 11 00-1582	EA	24" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	1,226.85	393.53
33 42 11 00-1583	EA	30" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	1,615.54	459.12
33 42 11 00-1584	EA	36" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	2,214.34	533.96
33 42 11 00-1585	EA	42" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	2,623.78	626.82
33 42 11 00-1586	EA	48" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	3,057.36	626.82
33 42 11 00-1587	EA	54" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	3,667.56	858.97
33 42 11 00-1588	EA	60" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	4,123.10	858.97
33 42 11 00-1589	EA	66" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	4,884.00	1,091.12
33 42 11 00-1590	EA	72" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	5,149.73	1,160.77
33 42 11 00-1591	EA	78" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	6,479.24	1,445.17
33 42 11 00-1592	EA	84" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	7,502.04	1,555.44

33 42 11 00-1593 Galvanized Culvert-End Bar Grate System *(33 42 11 00-0500)*

33 42 11 00-1594	SF	Galvanized Culvert-End Bar Grate System	639.61	2.92
33 42 11 00-1595	SF	Heavy-Duty Galvanized Culvert-End Bar Grate System	37.96	2.92

33 42 11 00-1596 Galvanized Tapered Adapter Sleeves *(33 42 11 00-0500)*

33 42 11 00-1597	EA	12" Galvanized Tapered Adapter Sleeves	498.86	76.52
33 42 11 00-1598	EA	15" Galvanized Tapered Adapter Sleeves	616.19	81.98
33 42 11 00-1599	EA	18" Galvanized Tapered Adapter Sleeves	693.63	87.45
33 42 11 00-1600	EA	21" Galvanized Tapered Adapter Sleeves	783.78	95.65

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1601	EA	24" Galvanized Tapered Adapter Sleeves	872.73	103.84
33 42 11 00-1602	EA	30" Galvanized Tapered Adapter Sleeves	1,059.67	117.51
33 42 11 00-1603	EA	36" Galvanized Tapered Adapter Sleeves	1,278.67	133.91

33 42 11 00-1604 Concrete Pipe Collar *(33 42 11)*

33 42 11 00-1605	EA	8" Diameter Pipe, Concrete Pipe Collar	652.64	
33 42 11 00-1606	EA	10" Diameter Pipe, Concrete Pipe Collar	731.75	
33 42 11 00-1607	EA	12" Diameter Pipe, Concrete Pipe Collar	816.52	
33 42 11 00-1608	EA	15" Diameter Pipe, Concrete Pipe Collar	917.75	
33 42 11 00-1609	EA	18" Diameter Pipe, Concrete Pipe Collar	1,025.86	
33 42 11 00-1610	EA	21" Diameter Pipe, Concrete Pipe Collar	1,141.34	
33 42 11 00-1611	EA	24" Diameter Pipe, Concrete Pipe Collar	1,263.49	
33 42 11 00-1612	EA	27" Diameter Pipe, Concrete Pipe Collar	1,389.10	
33 42 11 00-1613	EA	30" Diameter Pipe, Concrete Pipe Collar	1,514.71	
33 42 11 00-1614	EA	36" Diameter Pipe, Concrete Pipe Collar	1,766.09	
33 42 11 00-1615	EA	42" Diameter Pipe, Concrete Pipe Collar	2,018.33	
33 42 11 00-1616	EA	48" Diameter Pipe, Concrete Pipe Collar	2,271.83	
33 42 11 00-1617	EA	54" Diameter Pipe, Concrete Pipe Collar	2,523.22	
33 42 11 00-1618	EA	60" Diameter Pipe, Concrete Pipe Collar	2,775.46	
33 42 11 00-1619	EA	66" Diameter Pipe, Concrete Pipe Collar	3,056.56	
33 42 11 00-1620	EA	72" Diameter Pipe, Concrete Pipe Collar	3,337.65	
33 42 11 00-1621	EA	78" Diameter Pipe, Concrete Pipe Collar	3,618.75	
33 42 11 00-1622	EA	84" Diameter Pipe, Concrete Pipe Collar	3,899.85	
33 42 11 00-1623	EA	90" Diameter Pipe, Concrete Pipe Collar	4,180.95	
33 42 11 00-1624	EA	96" Diameter Pipe, Concrete Pipe Collar	4,462.05	
33 42 11 00-1625	EA	102" Diameter Pipe, Concrete Pipe Collar	4,743.15	
33 42 11 00-1626	EA	108" Diameter Pipe, Concrete Pipe Collar	5,024.25	
33 42 11 00-1627	EA	114" Diameter Pipe, Concrete Pipe Collar	5,305.35	
33 42 11 00-1628	EA	120" Diameter Pipe, Concrete Pipe Collar	5,586.45	

33 42 11 00-1629 Concrete Drainage Pipe Lug *(33 42 11)*

33 42 11 00-1630	EA	12" Diameter Pipe, Concrete Pipe Lug	388.59	
33 42 11 00-1631	EA	15" Diameter Pipe, Concrete Pipe Lug	453.25	
33 42 11 00-1632	EA	18" Diameter Pipe, Concrete Pipe Lug	517.54	
33 42 11 00-1633	EA	21" Diameter Pipe, Concrete Pipe Lug	582.20	
33 42 11 00-1634	EA	24" Diameter Pipe, Concrete Pipe Lug	646.49	
33 42 11 00-1635	EA	27" Diameter Pipe, Concrete Pipe Lug	711.07	
33 42 11 00-1636	EA	30" Diameter Pipe, Concrete Pipe Lug	775.64	
33 42 11 00-1637	EA	36" Diameter Pipe, Concrete Pipe Lug	904.59	
33 42 11 00-1638	EA	42" Diameter Pipe, Concrete Pipe Lug	1,032.53	
33 42 11 00-1639	EA	48" Diameter Pipe, Concrete Pipe Lug	1,161.49	
33 42 11 00-1640	EA	54" Diameter Pipe, Concrete Pipe Lug	1,290.45	
33 42 11 00-1641	EA	60" Diameter Pipe, Concrete Pipe Lug	1,419.40	
33 42 11 00-1642	EA	66" Diameter Pipe, Concrete Pipe Lug	1,548.36	

33 42 13 Stormwater Culverts *(33 42)*

33 42 13 13 Precast Concrete Stormwater Culverts *(33 42 13)*

33 42 13 13-0001 Precast Reinforced Concrete Box Culvert *(33 42 13 13)*

Note: The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes crane, excavation and backfill. Minimum length 6'-0". See CSI section 01 22 23 00-0968 for crane lifting equipment.

33 42 13 13-0002	LF	3' x 3' Precast Reinforced Concrete Box Culvert	444.08	58.04
		For Each LF Of Cut-Off Section, Add	*17.76*	
33 42 13 13-0003	LF	4' x 2' Precast Reinforced Concrete Box Culvert	498.85	58.04
		For Each LF Of Cut-Off Section, Add	*19.95*	
33 42 13 13-0004	LF	4' x 3' Precast Reinforced Concrete Box Culvert	587.32	58.04
		For Each LF Of Cut-Off Section, Add	*23.49*	
33 42 13 13-0005	LF	5' x 3' Precast Reinforced Concrete Box Culvert	705.72	72.55
		For Each LF Of Cut-Off Section, Add	*28.23*	
33 42 13 13-0006	LF	5' x 4' Precast Reinforced Concrete Box Culvert	722.57	72.55
		For Each LF Of Cut-Off Section, Add	*28.90*	
33 42 13 13-0007	LF	5' x 5' Precast Reinforced Concrete Box Culvert	730.99	72.55
		For Each LF Of Cut-Off Section, Add	*29.24*	
33 42 13 13-0008	LF	6' x 3' Precast Reinforced Concrete Box Culvert	753.84	75.45
		For Each LF Of Cut-Off Section, Add	*30.15*	
33 42 13 13-0009	LF	6' x 4' Precast Reinforced Concrete Box Culvert	758.05	75.45
		For Each LF Of Cut-Off Section, Add	*30.32*	
33 42 13 13-0010	LF	6' x 6' Precast Reinforced Concrete Box Culvert	833.88	75.45
		For Each LF Of Cut-Off Section, Add	*33.36*	
33 42 13 13-0011	LF	7' x 4' Precast Reinforced Concrete Box Culvert	857.82	87.06
		For Each LF Of Cut-Off Section, Add	*34.31*	
33 42 13 13-0012	LF	7' x 6' Precast Reinforced Concrete Box Culvert	922.44	118.40
		For Each LF Of Cut-Off Section, Add	*36.90*	
33 42 13 13-0013	LF	8' x 2' Precast Reinforced Concrete Box Culvert	838.10	75.45
		For Each LF Of Cut-Off Section, Add	*33.52*	
33 42 13 13-0014	LF	8' x 3' Precast Reinforced Concrete Box Culvert	862.04	87.06
		For Each LF Of Cut-Off Section, Add	*34.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 13 13-0015	LF	8' x 4' Precast Reinforced Concrete Box Culvert	874.67	87.06
		For Each LF Of Cut-Off Section, Add	*34.99*	
33 42 13 13-0016	LF	8' x 5' Precast Reinforced Concrete Box Culvert	1,057.52	116.08
		For Each LF Of Cut-Off Section, Add	*42.30*	
33 42 13 13-0017	LF	8' x 6' Precast Reinforced Concrete Box Culvert	1,060.90	116.08
		For Each LF Of Cut-Off Section, Add	*42.44*	
33 42 13 13-0018	LF	8' x 8' Precast Reinforced Concrete Box Culvert	1,177.20	145.09
		For Each LF Of Cut-Off Section, Add	*47.09*	
33 42 13 13-0019	LF	9' x 4' Precast Reinforced Concrete Box Culvert	1,166.22	116.08
		For Each LF Of Cut-Off Section, Add	*46.65*	
33 42 13 13-0020	LF	9' x 6' Precast Reinforced Concrete Box Culvert	1,238.71	145.09
		For Each LF Of Cut-Off Section, Add	*49.55*	
33 42 13 13-0021	LF	10' x 3' Precast Reinforced Concrete Box Culvert	1,242.92	145.09
		For Each LF Of Cut-Off Section, Add	*49.72*	
33 42 13 13-0022	LF	10' x 4' Precast Reinforced Concrete Box Culvert	1,504.13	145.09
		For Each LF Of Cut-Off Section, Add	*60.17*	
33 42 13 13-0023	LF	10' x 5' Precast Reinforced Concrete Box Culvert	1,580.81	174.12
		For Each LF Of Cut-Off Section, Add	*63.23*	
33 42 13 13-0024	LF	10' x 6' Precast Reinforced Concrete Box Culvert	1,597.66	174.12
		For Each LF Of Cut-Off Section, Add	*63.91*	
33 42 13 13-0025	LF	10' x 7' Precast Reinforced Concrete Box Culvert	1,601.88	174.12
		For Each LF Of Cut-Off Section, Add	*64.08*	
33 42 13 13-0026	LF	10' x 8' Precast Reinforced Concrete Box Culvert	1,607.77	174.12
		For Each LF Of Cut-Off Section, Add	*64.31*	
33 42 13 13-0027	LF	12' x 3' Precast Reinforced Concrete Box Culvert	1,674.36	203.14
		For Each LF Of Cut-Off Section, Add	*66.97*	
33 42 13 13-0028	LF	12' x 4' Precast Reinforced Concrete Box Culvert	1,674.36	203.14
		For Each LF Of Cut-Off Section, Add	*66.97*	
33 42 13 13-0029	LF	12' x 6' Precast Reinforced Concrete Box Culvert	1,674.36	203.14
		For Each LF Of Cut-Off Section, Add	*66.97*	
33 42 13 13-0030	LF	12' x 8' Precast Reinforced Concrete Box Culvert	1,674.36	203.14
		For Each LF Of Cut-Off Section, Add	*66.97*	
33 42 13 13-0031	LF	16' x 10' Precast Reinforced Concrete Box Culvert	2,425.13	232.15
		For Each LF Of Cut-Off Section, Add	*97.01*	
33 42 13 13-0032	LF	24' x 10' Precast Reinforced Concrete Box Culvert	3,351.99	232.15
		For Each LF Of Cut-Off Section, Add	*134.08*	

33 42 13 13-0033 Precast Reinforced Concrete Box Culvert For Roadways *(33 42 13 13)*

Note: AASHTO HL-93 Rated. The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes crane, excavation and backfill. Minimum length 6'-0". See CSI section 01 22 23 00-0968 for crane lifting equipment.

33 42 13 13-0034	LF	3' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,089.09	58.04
		For Each LF Of Cut-Off Section, Add	*43.56*	
33 42 13 13-0035	LF	4' x 2' Precast Reinforced Concrete Box Culvert For Roadways	1,170.02	58.04
		For Each LF Of Cut-Off Section, Add	*46.80*	
33 42 13 13-0036	LF	4' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,313.26	58.04
		For Each LF Of Cut-Off Section, Add	*52.53*	
33 42 13 13-0037	LF	5' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,486.38	72.55
		For Each LF Of Cut-Off Section, Add	*59.46*	
33 42 13 13-0038	LF	5' x 4' Precast Reinforced Concrete Box Culvert For Roadways	1,629.61	72.55
		For Each LF Of Cut-Off Section, Add	*65.18*	
33 42 13 13-0039	LF	5' x 5' Precast Reinforced Concrete Box Culvert For Roadways	1,772.84	72.55
		For Each LF Of Cut-Off Section, Add	*70.91*	
33 42 13 13-0040	LF	6' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,635.60	75.45
		For Each LF Of Cut-Off Section, Add	*65.42*	
33 42 13 13-0041	LF	6' x 4' Precast Reinforced Concrete Box Culvert For Roadways	1,778.83	75.45
		For Each LF Of Cut-Off Section, Add	*71.15*	
33 42 13 13-0042	LF	6' x 6' Precast Reinforced Concrete Box Culvert For Roadways	2,065.30	75.45
		For Each LF Of Cut-Off Section, Add	*82.61*	
33 42 13 13-0043	LF	7' x 4' Precast Reinforced Concrete Box Culvert For Roadways	1,946.01	87.06
		For Each LF Of Cut-Off Section, Add	*77.84*	
33 42 13 13-0044	LF	7' x 6' Precast Reinforced Concrete Box Culvert For Roadways	2,297.06	118.40
		For Each LF Of Cut-Off Section, Add	*91.88*	
33 42 13 13-0045	LF	8' x 2' Precast Reinforced Concrete Box Culvert For Roadways	1,778.83	75.45
		For Each LF Of Cut-Off Section, Add	*71.15*	
33 42 13 13-0046	LF	8' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,946.01	87.06
		For Each LF Of Cut-Off Section, Add	*77.84*	
33 42 13 13-0047	LF	8' x 4' Precast Reinforced Concrete Box Culvert For Roadways	2,089.24	87.06
		For Each LF Of Cut-Off Section, Add	*83.57*	
33 42 13 13-0048	LF	8' x 5' Precast Reinforced Concrete Box Culvert For Roadways	2,292.27	116.08
		For Each LF Of Cut-Off Section, Add	*91.69*	
33 42 13 13-0049	LF	8' x 6' Precast Reinforced Concrete Box Culvert For Roadways	2,435.50	116.08
		For Each LF Of Cut-Off Section, Add	*97.42*	
33 42 13 13-0050	LF	8' x 8' Precast Reinforced Concrete Box Culvert For Roadways	2,781.82	145.09
		For Each LF Of Cut-Off Section, Add	*111.27*	
33 42 13 13-0051	LF	9' x 4' Precast Reinforced Concrete Box Culvert For Roadways	2,458.95	116.08
		For Each LF Of Cut-Off Section, Add	*98.36*	
33 42 13 13-0052	LF	9' x 6' Precast Reinforced Concrete Box Culvert For Roadways	2,824.93	145.09
		For Each LF Of Cut-Off Section, Add	*113.00*	
33 42 13 13-0053	LF	10' x 3' Precast Reinforced Concrete Box Culvert For Roadways	2,793.76	145.09
		For Each LF Of Cut-Off Section, Add	*111.75*	

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LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 13 13-0054	LF	10' x 4' Precast Reinforced Concrete Box Culvert For Roadways	2,963.84	145.09
		For Each LF Of Cut-Off Section, Add	*118.55*	
33 42 13 13-0055	LF	10' x 5' Precast Reinforced Concrete Box Culvert For Roadways	3,193.74	174.12
		For Each LF Of Cut-Off Section, Add	*127.75*	
33 42 13 13-0056	LF	10' x 6' Precast Reinforced Concrete Box Culvert For Roadways	3,363.82	174.12
		For Each LF Of Cut-Off Section, Add	*134.55*	
33 42 13 13-0057	LF	10' x 7' Precast Reinforced Concrete Box Culvert For Roadways	3,533.92	174.12
		For Each LF Of Cut-Off Section, Add	*141.36*	
33 42 13 13-0058	LF	10' x 8' Precast Reinforced Concrete Box Culvert For Roadways	3,704.00	174.12
		For Each LF Of Cut-Off Section, Add	*148.16*	
33 42 13 13-0059	LF	12' x 3' Precast Reinforced Concrete Box Culvert For Roadways	3,705.97	203.14
		For Each LF Of Cut-Off Section, Add	*148.24*	
33 42 13 13-0060	LF	12' x 4' Precast Reinforced Concrete Box Culvert For Roadways	3,899.30	203.14
		For Each LF Of Cut-Off Section, Add	*155.97*	
33 42 13 13-0061	LF	12' x 6' Precast Reinforced Concrete Box Culvert For Roadways	4,286.02	203.14
		For Each LF Of Cut-Off Section, Add	*171.44*	
33 42 13 13-0062	LF	12' x 8' Precast Reinforced Concrete Box Culvert For Roadways	4,672.74	203.14
		For Each LF Of Cut-Off Section, Add	*186.91*	
33 42 13 13-0063	LF	16' x 10' Precast Reinforced Concrete Box Culvert For Roadways	5,591.94	232.15
		For Each LF Of Cut-Off Section, Add	*223.68*	
33 42 13 13-0064	LF	24' x 10' Precast Reinforced Concrete Box Culvert For Roadways	7,052.85	232.15
		For Each LF Of Cut-Off Section, Add	*282.11*	

33 42 23 Headwalls and Endwalls for Stormwater Piping *(33 42)*

33 42 23 00-0001 Headwalls *(33 42 23)*

Note: Excludes excavation and backfill. Select pipe with closest opening area for square or round culverts.

33 42 23 00-0002 Cast In Place Concrete Headwalls *(33 42 23 00-0001)*

Note: Includes concrete, forms, rebar (where required), finish and curing.

33 42 23 00-0003 Skewed Wingwall, Cast In Place Concrete Headwall *(33 42 23 00-0002)*

Note: Sized by pipe diameter.

33 42 23 00-0004	EA	12" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	1,582.68	703.96
33 42 23 00-0005	EA	15" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	1,993.23	750.90
33 42 23 00-0006	EA	18" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	2,605.10	983.57
33 42 23 00-0007	EA	24" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	4,076.65	1,407.93
33 42 23 00-0008	EA	30" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	5,667.72	1,877.25
33 42 23 00-0009	EA	36" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	6,860.46	2,474.41
33 42 23 00-0010	EA	42" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	9,437.13	3,413.14
33 42 23 00-0011	EA	48" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	11,221.11	4,022.62
33 42 23 00-0012	EA	54" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	13,497.13	4,897.20
33 42 23 00-0013	EA	60" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	16,192.63	5,928.12

33 42 23 00-0014 Straight, Single Pipe, Cast In Place Concrete Headwall *(33 42 23 00-0002)*

Note: Sized by pipe diameter.

33 42 23 00-0015	EA	12" Pipe, Straight, Single Pipe, Cast In Place Concrete Headwall	953.82	605.66
33 42 23 00-0016	EA	15" Pipe, Straight, Single Pipe, Cast In Place Concrete Headwall	1,234.96	707.11
33 42 23 00-0017	EA	18" Pipe, Straight, Single Pipe, Cast In Place Concrete Headwall	1,588.03	935.63
33 42 23 00-0018	EA	24" Pipe, Straight, Single Pipe, Cast In Place Concrete Headwall	2,488.18	1,424.33
33 42 23 00-0019	EA	30" Pipe, Straight, Single Pipe, Cast In Place Concrete Headwall	3,435.98	1,915.09
33 42 23 00-0020	EA	36" Pipe, Straight, Single Pipe, Cast In Place Concrete Headwall	4,843.15	2,640.79

33 42 23 00-0021 Straight, Double Pipe, Cast In Place Concrete Headwall *(33 42 23 00-0002)*

Note: Sized by pipe diameter.

33 42 23 00-0022	EA	12" Pipes, Straight, Double Pipe, Cast In Place Concrete Headwall	1,276.52	757.14
33 42 23 00-0023	EA	15" Pipes, Straight, Double Pipe, Cast In Place Concrete Headwall	1,635.94	975.91
33 42 23 00-0024	EA	18" Pipes, Straight, Double Pipe, Cast In Place Concrete Headwall	2,176.79	1,282.09
33 42 23 00-0025	EA	24" Pipes, Straight, Double Pipe, Cast In Place Concrete Headwall	3,363.00	1,930.59
33 42 23 00-0026	EA	30" Pipes, Straight, Double Pipe, Cast In Place Concrete Headwall	4,676.56	2,604.99
33 42 23 00-0027	EA	36" Pipes, Straight, Double Pipe, Cast In Place Concrete Headwall	6,601.30	3,602.15

33 42 23 00-0028 Precast Concrete Headwalls *(33 42 23 00-0001)*

33 42 23 00-0029	EA	12" Pipe, Precast Concrete Headwall	912.86	196.76
33 42 23 00-0030	EA	15" Pipe, Precast Concrete Headwall	945.65	207.70
33 42 23 00-0031	EA	18" Pipe, Precast Concrete Headwall	1,041.40	236.12
33 42 23 00-0032	EA	24" Pipe, Precast Concrete Headwall	1,149.72	251.42
33 42 23 00-0033	EA	30" Pipe, Precast Concrete Headwall	1,536.62	295.15
33 42 23 00-0034	EA	36" Pipe, Precast Concrete Headwall	1,728.10	306.07
33 42 23 00-0035	EA	42" Pipe, Precast Concrete Headwall	2,261.52	358.22
33 42 23 00-0036	EA	48" Pipe, Precast Concrete Headwall	2,495.52	394.67
33 42 23 00-0037	EA	54" Pipe, Precast Concrete Headwall	2,752.92	417.88
33 42 23 00-0038	EA	60" Pipe, Precast Concrete Headwall	3,121.61	417.88
33 42 23 00-0039	EA	72" Pipe, Precast Concrete Headwall	3,766.12	522.35
33 42 23 00-0040	EA	84" Pipe, Precast Concrete Headwall	5,324.18	626.82

33 42 23 00-0041 Precast Concrete Wingwalls *(33 42 23 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 23 00-0042	EA	18" ID Pipe (26" Hole) Precast Concrete Wingwall Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	5,702.09	2,068.50
33 42 23 00-0043	EA	24" ID Pipe (32" Hole) Precast Concrete Wingwall Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	6,050.32	2,298.33
33 42 23 00-0044	EA	30" ID Pipe (42" Hole) Precast Concrete Wingwall Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	6,630.71	2,681.39
33 42 23 00-0045	EA	33" ID Pipe (46" Hole) Precast Concrete Wingwall Note: 12" thick wall and base. Wingwalls are configured at zero degrees only off centerline of pipe.	7,211.09	3,064.44
33 42 23 00-0046	EA	36" ID Pipe (50" Hole) Precast Concrete Wingwall Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	7,211.09	3,064.44
33 42 23 00-0047	EA	44" ID Pipe (58" Hole) Precast Concrete Wingwall Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	7,443.26	3,217.67
33 42 23 00-0048	EA	48" ID Pipe (62" Hole) Precast Concrete Wingwall Note: 12" thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	12,641.92	3,294.28
33 42 23 00-0049	EA	52" ID Pipe (66" Hole) Precast Concrete Wingwall Note: 12" thick wall and base. Wingwalls are configured at zero degrees only off centerline of pipe.	12,990.15	3,524.11
33 42 23 00-0050		Precast Concrete Transverse Drainage Interceptor *(33 42 23 00-0001)*		
33 42 23 00-0051	EA	34" x 48" x 28" Precast Concrete Transverse Drainage Interceptor With Frame And Grate	3,777.58	812.54
33 42 26		**End Sections for Stormwater Piping** *(33 42)*		
33 42 26 16		**Corrugated Metal End Sections for Stormwater Piping** *(33 42 26)*		
33 42 26 16-0001		Corrugated Metal Pipe End Sections *(33 42 26 16)*		
33 42 26 16-0002		Galvanized Corrugated Steel Pipe End Sections *(33 42 26 16-0001)*		
33 42 26 16-0003		Type 1 Galvanized Corrugated Steel Pipe End Sections *(33 42 26 16-0002)* Note: Used with annular corrugations, no band required. Consists of a 12 gauge steel strap with a 6" bolt and nut.		
33 42 26 16-0004	EA	12" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	318.80	76.52
33 42 26 16-0005	EA	15" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	371.29	81.98
33 42 26 16-0006	EA	18" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	435.06	87.45
33 42 26 16-0007	EA	21" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	528.85	95.65
33 42 26 16-0008	EA	24" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	586.24	103.84
33 42 26 16-0009		Type 2 Galvanized Corrugated Steel Pipe End Sections *(33 42 26 16-0002)* Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required.		
33 42 26 16-0010	EA	30" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	954.78	117.51
33 42 26 16-0011	EA	36" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	1,240.22	139.29
33 42 26 16-0012	EA	42" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	1,914.73	162.51
33 42 26 16-0013	EA	48" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	2,341.58	185.73
33 42 26 16-0014	EA	54" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	2,787.27	232.15
33 42 26 16-0015	EA	60" 10 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	3,253.60	278.59
33 42 26 16-0016		Type 3 Or 5 Galvanized Corrugated Steel Pipe End Sections *(33 42 26 16-0002)* Note: Stubbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations.		
33 42 26 16-0017	EA	12" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	333.61	76.52
33 42 26 16-0018	EA	15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	386.52	81.98
33 42 26 16-0019	EA	18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	458.48	87.45
33 42 26 16-0020	EA	21" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	556.96	95.65
33 42 26 16-0021	EA	24" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	618.11	103.84
33 42 26 16-0022	EA	30" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	1,052.66	117.51
33 42 26 16-0023	EA	36" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	1,361.89	139.29
33 42 26 16-0024	EA	42" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	2,180.11	162.51
33 42 26 16-0025	EA	48" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	2,684.06	185.73
33 42 26 16-0026	EA	54" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	3,133.60	232.15
33 42 26 16-0027	EA	60" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	4,350.53	278.59
33 42 26 16-0028	EA	66" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	4,918.21	417.88
33 42 26 16-0029	EA	72" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	5,742.39	557.17
33 42 26 16-0030	EA	78" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	6,256.73	597.80
33 42 26 16-0031	EA	84" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	6,783.77	638.42
33 42 26 16-0032		Toe Plate Extensions For Galvanized Corrugated Steel Pipe End Section *(33 42 26 16-0002)*		
33 42 26 16-0033	EA	Toe Plate Extension For 12" Diameter Galvanized Corrugated Steel Pipe End Section	42.57	
33 42 26 16-0034	EA	Toe Plate Extension For 15" Diameter Galvanized Corrugated Steel Pipe End Section	47.52	
33 42 26 16-0035	EA	Toe Plate Extension For 18" Diameter Galvanized Corrugated Steel Pipe End Section	53.61	
33 42 26 16-0036	EA	Toe Plate Extension For 21" Diameter Galvanized Corrugated Steel Pipe End Section	58.30	
33 42 26 16-0037	EA	Toe Plate Extension For 24" Diameter Galvanized Corrugated Steel Pipe End Section	65.28	
33 42 26 16-0038	EA	Toe Plate Extension For 30" Diameter Galvanized Corrugated Steel Pipe End Section	114.52	
33 42 26 16-0039	EA	Toe Plate Extension For 36" Diameter Galvanized Corrugated Steel Pipe End Section	123.22	
33 42 26 16-0040	EA	Toe Plate Extension For 42" Diameter Galvanized Corrugated Steel Pipe End Section	169.28	
33 42 26 16-0041	EA	Toe Plate Extension For 48" Diameter Galvanized Corrugated Steel Pipe End Section	181.10	
33 42 26 16-0042	EA	Toe Plate Extension For 54" Diameter Galvanized Corrugated Steel Pipe End Section	221.31	
33 42 26 16-0043	EA	Toe Plate Extension For 60" Diameter Galvanized Corrugated Steel Pipe End Section	226.55	
33 42 26 16-0044	EA	Toe Plate Extension For 66" Diameter Galvanized Corrugated Steel Pipe End Section	241.51	
33 42 26 16-0045	EA	Toe Plate Extension For 72" Diameter Galvanized Corrugated Steel Pipe End Section	273.67	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 16-0046	EA	Toe Plate Extension For 78" Diameter Galvanized Corrugated Steel Pipe End Section	306.19	
33 42 26 16-0047	EA	84" Diameter Galvanized Corrugated Steel Pipe End Section Toe Plate Extension	313.47	
33 42 26 16-0048		**Galvanized Corrugated Steel Pipe-Arch End Sections** *(33 42 26 16-0001)*		
33 42 26 16-0049		**Type 1 Galvanized Corrugated Steel Pipe-Arch End Sections** *(33 42 26 16-0048)*		
		Note: Used with annular corrugations, no band required. Consists of a 12 gauge steel strap with a 6" bolt and nut.		
33 42 26 16-0050	EA	17" x 13" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	371.29	81.98
33 42 26 16-0051	EA	21" x 15" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	435.06	87.45
33 42 26 16-0052	EA	24" x 18" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	528.85	95.65
33 42 26 16-0053	EA	28" x 20" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	586.24	103.84
33 42 26 16-0054		**Type 2 Galvanized Corrugated Steel Pipe-Arch End Sections** *(33 42 26 16-0048)*		
		Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required.		
33 42 26 16-0055	EA	17" x 13" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	358.51	81.98
33 42 26 16-0056	EA	21" x 15" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	411.42	87.45
33 42 26 16-0057	EA	24" x 18" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	461.15	95.65
33 42 26 16-0058	EA	28" x 20" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	521.60	103.84
33 42 26 16-0059	EA	35" x 24" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	770.50	117.51
33 42 26 16-0060	EA	42" x 29" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	1,129.60	139.29
33 42 26 16-0061	EA	49" x 33" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	1,769.04	162.51
33 42 26 16-0062	EA	57" x 38" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	2,244.50	185.73
33 42 26 16-0063		**Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Sections** *(33 42 26 16-0048)*		
		Note: Stubbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations.		
33 42 26 16-0064	EA	17" x 13" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	364.99	81.98
33 42 26 16-0065	EA	21" x 15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	425.52	87.45
33 42 26 16-0066	EA	24" x 18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	483.20	95.65
33 42 26 16-0067	EA	28" x 20" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	547.74	103.84
33 42 26 16-0068	EA	35" x 24" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	814.92	117.51
33 42 26 16-0069	EA	42" x 29" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	1,190.20	139.29
33 42 26 16-0070	EA	49" x 33" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	1,865.98	162.51
33 42 26 16-0071	EA	57" x 38" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	2,356.06	185.73
33 42 26 16-0072	EA	64" x 43" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	2,833.10	232.15
33 42 26 16-0073	EA	71" x 47" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	3,729.54	278.59
33 42 26 16-0074	EA	77" x 52" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	5,199.70	417.88
33 42 26 16-0075	EA	83" x 57" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	5,738.64	557.17
33 42 26 16-0076		**Toe Plate Extensions For Galvanized Corrugated Steel Pipe-Arch End Section** *(33 42 26 16-0048)*		
33 42 26 16-0077	EA	Toe Plate Extension For 17" x 13" Galvanized Corrugated Steel Pipe-Arch End Section	47.52	
33 42 26 16-0078	EA	Toe Plate Extension For 21" x 15" Galvanized Corrugated Steel Pipe-Arch End Section	53.61	
33 42 26 16-0079	EA	Toe Plate Extension For 24" x 18" Galvanized Corrugated Steel Pipe-Arch End Section	58.30	
33 42 26 16-0080	EA	Toe Plate Extension For 28" x 20" Galvanized Corrugated Steel Pipe-Arch End Section	65.28	
33 42 26 16-0081	EA	Toe Plate Extension For 35" x 24" Galvanized Corrugated Steel Pipe-Arch End Section	114.52	
33 42 26 16-0082	EA	Toe Plate Extension For 42" x 29" Galvanized Corrugated Steel Pipe-Arch End Section	123.22	
33 42 26 16-0083	EA	Toe Plate Extension For 49" x 33" Galvanized Corrugated Steel Pipe-Arch End Section	169.28	
33 42 26 16-0084	EA	Toe Plate Extension For 57" x 38" Galvanized Corrugated Steel Pipe-Arch End Section	188.43	
33 42 26 16-0085	EA	Toe Plate Extension For 64" x 43" Galvanized Corrugated Steel Pipe-Arch End Section	221.31	
33 42 26 16-0086	EA	Toe Plate Extension For 71" x 47" Galvanized Corrugated Steel Pipe-Arch End Section	229.47	
33 42 26 16-0087	EA	Toe Plate Extension For 77" x 52" Galvanized Corrugated Steel Pipe-Arch End Section	265.29	
33 42 26 16-0088	EA	Toe Plate Extension For 83" x 57" Galvanized Corrugated Steel Pipe-Arch End Section	299.86	
33 42 26 16-0089		**Corrugated Aluminum Pipe End Sections** *(33 42 26 16-0001)*		
33 42 26 16-0090		**Corrugated Aluminum Pipe End Sections** *(33 42 26 16-0089)*		
33 42 26 16-0091	EA	12" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	490.93	76.52
33 42 26 16-0092	EA	15" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	567.28	81.98
33 42 26 16-0093	EA	18" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	674.91	87.45
33 42 26 16-0094	EA	21" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	839.78	95.65
33 42 26 16-0095	EA	24" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	1,101.92	103.84
33 42 26 16-0096	EA	30" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	1,661.69	117.51
33 42 26 16-0097	EA	36" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	2,263.29	139.29
33 42 26 16-0098	EA	36" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	2,826.45	139.29
33 42 26 16-0099	EA	42" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	3,609.02	162.51
33 42 26 16-0100	EA	48" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	5,163.40	185.73
33 42 26 16-0101	EA	54" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	5,712.37	232.15
33 42 26 16-0102	EA	60" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	7,708.49	278.59
33 42 26 16-0103	EA	66" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	8,703.87	417.88
33 42 26 16-0104	EA	72" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	10,162.09	557.17
33 42 26 16-0105	EA	78" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	11,101.56	597.80
33 42 26 16-0106	EA	84" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	11,712.16	638.42
33 42 26 16-0107	EA	90" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	16,070.38	696.47
33 42 26 16-0108	EA	96" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	17,794.93	754.50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 16-0109		**Toe Plate Extensions For Corrugated Aluminum Pipe End Section** *(33 42 26 16-0089)*		
33 42 26 16-0110	EA	Toe Plate Extension For 12" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	76.86	
33 42 26 16-0111	EA	Toe Plate Extension For 15" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	81.57	
33 42 26 16-0112	EA	Toe Plate Extension For 18" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	88.68	
33 42 26 16-0113	EA	Toe Plate Extension For 21" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	100.01	
33 42 26 16-0114	EA	Toe Plate Extension For 24" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	106.00	
33 42 26 16-0115	EA	Toe Plate Extension For 30" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	137.06	
33 42 26 16-0116	EA	Toe Plate Extension For 36" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	162.77	
33 42 26 16-0117	EA	Toe Plate Extension For 36" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	172.17	
33 42 26 16-0118	EA	Toe Plate Extension For 42" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	188.89	
33 42 26 16-0119	EA	Toe Plate Extension For 48" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	213.54	
33 42 26 16-0120	EA	Toe Plate Extension For 54" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	252.82	
33 42 26 16-0121	EA	Toe Plate Extension For 60" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	356.89	
33 42 26 16-0122	EA	Toe Plate Extension For 66" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	383.14	
33 42 26 16-0123	EA	Toe Plate Extension For 72" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	482.83	
33 42 26 16-0124	EA	Toe Plate Extension For 78" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	522.18	
33 42 26 16-0125	EA	Toe Plate Extension For 84" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	556.28	
33 42 26 16-0126	EA	Toe Plate Extension For 90" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	592.20	
33 42 26 16-0127	EA	Toe Plate Extension For 96" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	628.44	
33 42 26 16-0128		**Corrugated Aluminum Pipe-Arch End Sections** *(33 42 26 16-0001)*		
33 42 26 16-0129		**Corrugated Aluminum Pipe-Arch End Sections** *(33 42 26 16-0128)*		
33 42 26 16-0130	EA	17" x 13" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	585.48	81.98
33 42 26 16-0131	EA	21" x 15" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	719.28	87.45
33 42 26 16-0132	EA	24" x 18" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	780.93	95.65
33 42 26 16-0133	EA	28" x 20" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	842.53	103.84
33 42 26 16-0134	EA	35" x 24" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	1,272.60	117.51
33 42 26 16-0135	EA	42" x 29" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	2,289.17	139.29
33 42 26 16-0136	EA	42" x 29" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	2,431.95	139.29
33 42 26 16-0137	EA	49" x 33" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	3,256.85	162.51
33 42 26 16-0138	EA	57" x 38" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	5,026.26	185.73
33 42 26 16-0139	EA	64" x 43" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	5,749.61	232.15
33 42 26 16-0140	EA	71" x 47" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	6,952.33	278.59
33 42 26 16-0141	EA	77" x 52" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	11,659.54	417.88
33 42 26 16-0142	EA	83" x 57" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	12,206.21	557.17
33 42 26 16-0143	EA	87" x 63" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	13,292.76	597.80
33 42 26 16-0144	EA	95" x 67" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	13,870.46	638.42
33 42 26 16-0145	EA	103" x 71" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	15,118.75	696.47
33 42 26 16-0146	EA	112" x 75" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	16,012.07	754.50
33 42 26 16-0147		**Toe Plate Extensions For Corrugated Aluminum Pipe-Arch End Section** *(33 42 26 16-0128)*		
33 42 26 16-0148	EA	Toe Plate Extension For 17" x 13", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	81.57	
33 42 26 16-0149	EA	Toe Plate Extension For 21" x 15", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	88.68	
33 42 26 16-0150	EA	Toe Plate Extension For 24" x 18", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	93.43	
33 42 26 16-0151	EA	Toe Plate Extension For 28" x 20", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	102.38	
33 42 26 16-0152	EA	Toe Plate Extension For 35" x 24", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	116.38	
33 42 26 16-0153	EA	Toe Plate Extension For 42" x 29", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	150.87	
33 42 26 16-0154	EA	Toe Plate Extension For 42" x 29", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	165.87	
33 42 26 16-0155	EA	Toe Plate Extension For 49" x 33", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	188.89	
33 42 26 16-0156	EA	Toe Plate Extension For 57" x 38", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	213.54	
33 42 26 16-0157	EA	Toe Plate Extension For 64" x 43", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	252.82	
33 42 26 16-0158	EA	Toe Plate Extension For 71" x 47", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	323.54	
33 42 26 16-0159	EA	Toe Plate Extension For 77" x 52", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	411.06	
33 42 26 16-0160	EA	Toe Plate Extension For 83" x 57", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	552.64	
33 42 26 16-0161	EA	Toe Plate Extension For 87" x 63", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	628.45	
33 42 26 16-0162	EA	Toe Plate Extension For 95" x 67", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	657.64	
33 42 26 16-0163	EA	Toe Plate Extension For 103" x 71", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	681.14	
33 42 26 16-0164	EA	Toe Plate Extension For 112" x 75", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	710.15	
33 42 26 16-0165		**Low Slope Corrugated Steel Pipe End Sections And Accessories** *(33 42 26 16-0001)*		
33 42 26 16-0166		**4:1 Corrugated Steel Pipe End Sections** *(33 42 26 16-0165)*		
33 42 26 16-0167	EA	15" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	760.30	81.98
33 42 26 16-0168	EA	18" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	984.31	87.45
33 42 26 16-0169	EA	21" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	1,208.49	95.65
33 42 26 16-0170	EA	24" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	1,448.76	103.84
33 42 26 16-0171	EA	30" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	1,530.59	117.51
33 42 26 16-0172	EA	36" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	2,002.57	139.29
33 42 26 16-0173	EA	42" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	3,186.50	162.51
33 42 26 16-0174		**3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe End Sections** *(33 42 26 16-0165)*		
		Note: Includes nut and bolt set.		
33 42 26 16-0175	EA	3" Diameter Parallel Safety Bar For 15" 4:1 Corrugated Steel Pipe End Section	546.89	
33 42 26 16-0176	EA	3" Diameter Parallel Safety Bar For 18" 4:1 Corrugated Steel Pipe End Section	1,107.77	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 16-0177	EA	3" Diameter Parallel Safety Bar For 21" 4:1 Corrugated Steel Pipe End Section	1,215.70	
33 42 26 16-0178	EA	3" Diameter Parallel Safety Bar For 24" 4:1 Corrugated Steel Pipe End Section	1,263.24	
33 42 26 16-0179		**6:1 Corrugated Steel Pipe End Sections** *(33 42 26 16-0165)*		
33 42 26 16-0180	EA	15" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	797.28	81.98
33 42 26 16-0181	EA	18" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	1,050.82	87.45
33 42 26 16-0182	EA	21" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	1,404.22	95.65
33 42 26 16-0183	EA	24" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	1,652.19	103.84
33 42 26 16-0184	EA	30" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	1,962.44	117.51
33 42 26 16-0185	EA	36" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	2,383.74	139.29
33 42 26 16-0186	EA	42" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	3,663.41	162.51
33 42 26 16-0187		**3" Diameter Parallel Safety Bar For 6:1 Corrugated Steel Pipe End Sections** *(33 42 26 16-0165)*		
		Note: Includes nut and bolt set.		
33 42 26 16-0188	EA	3" Diameter Parallel Safety Bar For 15" 6:1 Corrugated Steel Pipe End Section	1,073.01	
33 42 26 16-0189	EA	3" Diameter Parallel Safety Bar For 18" 6:1 Corrugated Steel Pipe End Section	1,137.83	
33 42 26 16-0190	EA	3" Diameter Parallel Safety Bar For 21" 6:1 Corrugated Steel Pipe End Section	1,251.22	
33 42 26 16-0191	EA	3" Diameter Parallel Safety Bar For 24" 6:1 Corrugated Steel Pipe End Section	1,312.44	
33 42 26 16-0192		**Toe Plate Extensions For Low Slope Corrugated Steel Pipe End Section** *(33 42 26 16-0165)*		
33 42 26 16-0193	EA	Toe Plate Extension For 15" Low Slope Corrugated Steel Pipe End Section	91.37	
33 42 26 16-0194	EA	Toe Plate Extension For 18" Low Slope Corrugated Steel Pipe End Section	102.89	
33 42 26 16-0195	EA	Toe Plate Extension For 21" Low Slope Corrugated Steel Pipe End Section	112.02	
33 42 26 16-0196	EA	Toe Plate Extension For 24" Low Slope Corrugated Steel Pipe End Section	125.22	
33 42 26 16-0197	EA	Toe Plate Extension For 30" Low Slope Corrugated Steel Pipe End Section	191.77	
33 42 26 16-0198	EA	Toe Plate Extension For 36" Low Slope Corrugated Steel Pipe End Section	205.84	
33 42 26 16-0199	EA	Toe Plate Extension For 42" Low Slope Corrugated Steel Pipe End Section	277.57	
33 42 26 16-0200		**Low Slope Corrugated Steel Pipe-Arch End Sections And Accessories** *(33 42 26 16-0001)*		
33 42 26 16-0201		**4:1 Corrugated Steel Pipe-Arch End Section** *(33 42 26 16-0200)*		
33 42 26 16-0202	EA	21" x 15" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	906.41	87.45
33 42 26 16-0203	EA	24" x 18" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	1,141.39	95.65
33 42 26 16-0204	EA	28" x 20" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	1,353.73	103.84
33 42 26 16-0205	EA	35" x 24" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	2,573.93	117.51
33 42 26 16-0206		**3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe-Arch End Sections** *(33 42 26 16-0200)*		
		Note: Includes nut and bolt set.		
33 42 26 16-0207	EA	3" Diameter Parallel Safety Bar For 21" x 15" 4:1 Corrugated Steel Pipe-Arch End Section	653.10	
33 42 26 16-0208	EA	3" Diameter Parallel Safety Bar For 24" x 18" 4:1 Corrugated Steel Pipe-Arch End Section	1,199.41	
33 42 26 16-0209	EA	3" Diameter Parallel Safety Bar For 28" x 20" 4:1 Corrugated Steel Pipe-Arch End Section	1,263.24	
33 42 26 16-0210	EA	3" Diameter Parallel Safety Bar For 35" x 24" 4:1 Corrugated Steel Pipe-Arch End Section	1,864.61	
33 42 26 16-0211		**Toe Plate Extensions For Low Slope Corrugated Steel Pipe-Arch End Section** *(33 42 26 16-0200)*		
33 42 26 16-0212	EA	Toe Plate Extension For 21" x 15" Low Slope Corrugated Steel Pipe-Arch End Section	92.27	
33 42 26 16-0213	EA	Toe Plate Extension For 24" x 18" Low Slope Corrugated Steel Pipe-Arch End Section	104.91	
33 42 26 16-0214	EA	Toe Plate Extension For 28" x 20" Low Slope Corrugated Steel Pipe-Arch End Section	114.39	
33 42 26 16-0215	EA	Toe Plate Extension For 35" x 24" Low Slope Corrugated Steel Pipe-Arch End Section	135.60	
33 42 26 19		**Corrugated High-Density Polyethylene (HDPE) End Sections for Stormwater Piping** *(33 42 26)*		
33 42 26 19-0001		**Corrugated High-Density Polyethylene (HDPE) Pipe End Sections** *(33 42 26 19)*		
33 42 26 19-0002	EA	4" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	70.99	21.24
33 42 26 19-0003	EA	6" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	137.84	31.87
33 42 26 19-0004	EA	8" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	189.65	39.83
33 42 26 19-0005	EA	10" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	297.98	63.73
33 42 26 19-0006	EA	12" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	356.75	71.70
33 42 26 19-0007	EA	15" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	378.04	77.02
33 42 26 19-0008	EA	18" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	455.30	84.98
33 42 26 19-0009	EA	24" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	594.72	100.91
33 42 26 19-0010	EA	30" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	1,294.72	114.19
33 42 26 19-0011	EA	36" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	1,587.86	127.47
33 42 26 23		**Concrete End Sections for Stormwater Piping** *(33 42 26)*		
33 42 26 23-0001		**Precast Concrete End Sections** *(33 42 26 23)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 23-0002		**Precast Concrete End Sections** *(33 42 26 23-0001)*		
33 42 26 23-0003	EA	12" Diameter Pipe, Precast Concrete End Section	725.39	128.22
33 42 26 23-0004	EA	15" Diameter Pipe, Precast Concrete End Section	972.39	158.72
33 42 26 23-0005	EA	18" Diameter Pipe, Precast Concrete End Section	1,204.44	200.92
33 42 26 23-0006	EA	21" Diameter Pipe, Precast Concrete End Section	1,383.19	240.27
33 42 26 23-0007	EA	24" Diameter Pipe, Precast Concrete End Section	1,472.41	278.09
33 42 26 23-0008	EA	27" Diameter Pipe, Precast Concrete End Section	1,852.14	345.92
33 42 26 23-0009	EA	30" Diameter Pipe, Precast Concrete End Section	2,301.15	519.56
33 42 26 23-0010	EA	36" Diameter Pipe, Precast Concrete End Section	2,842.60	655.60
33 42 26 23-0011	EA	42" Diameter Pipe, Precast Concrete End Section	3,442.01	822.41
33 42 26 23-0012	EA	48" Diameter Pipe, Precast Concrete End Section	3,774.95	927.45
33 42 26 23-0013	EA	54" Diameter Pipe, Precast Concrete End Section	4,120.15	1,038.89
33 42 26 23-0014	EA	60" Diameter Pipe, Precast Concrete End Section	4,474.19	1,154.97
33 42 26 23-0015	EA	66" Diameter Pipe Precast Concrete End Section	4,443.37	931.90
33 42 26 23-0016	EA	72" Diameter Pipe Precast Concrete End Section	5,099.30	1,164.84
33 42 26 23-0017	EA	78" Diameter Pipe Precast Concrete End Section	6,070.20	1,456.05
33 42 26 23-0018	EA	84" Diameter Pipe Precast Concrete End Section	7,185.19	1,747.26
33 42 26 23-0019		**Flared Precast Concrete End Sections** *(33 42 26 23-0001)*		
33 42 26 23-0020	EA	12" Diameter Pipe, Flared Precast Concrete End Section	908.68	135.23
33 42 26 23-0021	EA	15" Diameter Pipe, Flared Precast Concrete End Section	1,094.73	168.55
33 42 26 23-0022	EA	18" Diameter Pipe, Flared Precast Concrete End Section	1,329.92	213.35
33 42 26 23-0023	EA	21" Diameter Pipe, Flared Precast Concrete End Section	1,520.78	255.13
33 42 26 23-0024	EA	24" Diameter Pipe, Flared Precast Concrete End Section	1,854.11	295.31
33 42 26 23-0025	EA	27" Diameter Pipe, Flared Precast Concrete End Section	2,247.48	471.62
33 42 26 23-0026	EA	30" Diameter Pipe, Flared Precast Concrete End Section	2,354.11	649.34
33 42 26 23-0027	EA	36" Diameter Pipe, Flared Precast Concrete End Section	3,174.88	819.50
33 42 26 23-0028	EA	42" Diameter Pipe, Flared Precast Concrete End Section	3,814.29	1,028.21
33 42 26 23-0029	EA	48" Diameter Pipe, Flared Precast Concrete End Section	4,131.93	1,159.62
33 42 26 23-0030	EA	54" Diameter Pipe, Flared Precast Concrete End Section	4,621.78	1,298.79
33 42 26 23-0031	EA	60" Diameter Pipe, Flared Precast Concrete End Section	5,121.13	1,442.61
33 42 26 23-0032	EA	66" Diameter Pipe, Flared Precast Concrete End Section	5,971.09	1,662.12
33 42 26 23-0033	EA	72" Diameter Pipe, Flared Precast Concrete End Section	6,956.21	1,855.15
33 42 26 23-0034	EA	78" Diameter Pipe, Flared Precast Concrete End Section	7,886.43	2,086.96
33 42 26 23-0035	EA	84" Diameter Pipe, Flared Precast Concrete End Section	9,088.56	2,318.53
33 42 26 23-0036		**Elliptical Precast Concrete End Sections** *(33 42 26 23-0001)*		
33 42 26 23-0037	EA	14" x 23" Elliptical Precast Concrete End Section	1,582.31	213.35
33 42 26 23-0038	EA	18" x 24" Elliptical Precast Concrete End Section	1,805.22	255.13
33 42 26 23-0039	EA	19" x 30" Elliptical Precast Concrete End Section	2,206.79	295.31
33 42 26 23-0040	EA	22" x 34" Elliptical Precast Concrete End Section	2,632.33	471.62
33 42 26 23-0041	EA	24" x 38" Elliptical Precast Concrete End Section	2,698.86	649.34
33 42 26 23-0042	EA	27" x 42" Elliptical Precast Concrete End Section	3,179.95	734.77
33 42 26 23-0043	EA	29" x 45" Elliptical Precast Concrete End Section	3,661.01	819.50
33 42 26 23-0044	EA	34" x 53" Elliptical Precast Concrete End Section	4,381.96	1,028.21
33 42 26 23-0045	EA	38" x 60" Elliptical Precast Concrete End Section	4,729.65	1,159.62
33 42 26 23-0046	EA	43" x 68" Elliptical Precast Concrete End Section	5,289.74	1,298.79
33 42 26 23-0047	EA	48" x 76" Elliptical Precast Concrete End Section	5,859.71	1,442.61

33 42 31 Stormwater Area Drains and Inlets *(33 42)*

33 42 31 00-0001 Storm Drains *(33 42 31)*
See CSI section 33 05 61 00-0001 for manhole structures.

33 42 31 00-0002 Catch Basins And Inlet Basins *(33 42 31 00-0001)*
Note: Includes base slab, opening and grout. Excludes frame, grate, excavation and backfill.

33 42 31 00-0003 Cast In Place, Grate Drop Inlet Basins *(33 42 31 00-0002)*
Note: Inside dimensions.

33 42 31 00-0004 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basins *(33 42 31 00-0003)*

33 42 31 00-0005	EA	2' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	1,856.16	346.25
33 42 31 00-0006	EA	3' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,216.18	405.69
33 42 31 00-0007	EA	4' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,576.19	465.03
33 42 31 00-0008	EA	5' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,936.21	524.48
33 42 31 00-0009	EA	6' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,296.24	583.82

33 42 31 00-0010 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basins *(33 42 31 00-0003)*

33 42 31 00-0011	EA	2' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,378.60	344.16
33 42 31 00-0012	EA	3' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,945.29	458.88
33 42 31 00-0013	EA	4' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,763.09	625.75
33 42 31 00-0014	EA	5' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	4,581.53	730.04
33 42 31 00-0015	EA	6' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	5,231.18	834.33

33 42 31 00-0016 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basins *(33 42 31 00-0003)*

33 42 31 00-0017	EA	2' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,556.22	375.45

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0018	EA	3' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,540.79	521.46
33 42 31 00-0019	EA	4' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	4,329.19	677.89
33 42 31 00-0020	EA	5' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	4,999.41	782.19
33 42 31 00-0021	EA	6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	6,341.84	1,001.20
33 42 31 00-0022		**Cast In Place, Catch Basin** *(33 42 31 00-0002)*		
		Note: Inside span, overall depth. Includes concrete, forms, rebar (where required), finish and curing.		
33 42 31 00-0023		**3' x 3', Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0024	EA	3' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	2,319.17	418.63
33 42 31 00-0025	EA	3'-6" Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	2,459.80	445.11
33 42 31 00-0026	EA	4' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	2,690.98	478.07
33 42 31 00-0027	EA	4'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	3,024.36	529.18
33 42 31 00-0028	EA	5' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	3,264.65	563.28
33 42 31 00-0029	EA	5'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	3,419.15	590.70
33 42 31 00-0030	EA	6' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	3,659.64	624.80
33 42 31 00-0031	EA	6'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	3,809.93	652.34
33 42 31 00-0032	EA	7' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	4,052.71	686.34
33 42 31 00-0033	EA	7'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	4,204.92	713.88
33 42 31 00-0034	EA	8' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	4,445.30	747.98
33 42 31 00-0035	VLF	>8' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	555.69	93.44
33 42 31 00-0036		**3'-6" x 3'-6", Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0037	EA	3' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	2,668.14	483.91
33 42 31 00-0038	EA	3'-6" Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	2,846.46	517.91
33 42 31 00-0039	EA	4' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	3,087.00	552.01
33 42 31 00-0040	EA	4'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,476.86	611.36
33 42 31 00-0041	EA	5' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,740.47	649.94
33 42 31 00-0042	EA	5'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,918.07	681.96
33 42 31 00-0043	EA	6' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,185.66	720.55
33 42 31 00-0044	EA	6'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,363.27	752.57
33 42 31 00-0045	EA	7' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,629.06	791.15
33 42 31 00-0046	EA	7'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,806.20	823.17
33 42 31 00-0047	EA	8' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,072.08	861.76
33 42 31 00-0048	VLF	>8' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	634.03	107.74
33 42 31 00-0049		**4' x 4', Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0050	EA	3' Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	3,042.08	553.58
33 42 31 00-0051	EA	3'-6" Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	3,229.76	588.72
33 42 31 00-0052	EA	4' Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	3,505.72	630.34
33 42 31 00-0053	EA	4'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	3,952.68	698.02
33 42 31 00-0054	EA	5' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	4,243.49	741.10
33 42 31 00-0055	EA	5'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	4,445.93	777.70
33 42 31 00-0056	EA	6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	4,736.74	820.77
33 42 31 00-0057	EA	6'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	4,939.63	857.38
33 42 31 00-0058	EA	7' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	5,230.44	900.45
33 42 31 00-0059	EA	7'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	5,432.87	937.05
33 42 31 00-0060	EA	8' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	5,723.68	980.23
33 42 31 00-0061	VLF	>8' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	715.43	122.55
33 42 31 00-0062		**4'-6" x 4'-6", Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0063	EA	3' Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin	3,528.56	641.91
33 42 31 00-0064	EA	3'-6" Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin	3,749.21	678.21
33 42 31 00-0065	EA	4' Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin	4,056.46	725.13
33 42 31 00-0066	EA	4'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,566.48	802.11
33 42 31 00-0067	EA	5' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,891.00	850.70
33 42 31 00-0068	EA	5'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,127.25	892.74
33 42 31 00-0069	EA	6' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,451.29	941.33
33 42 31 00-0070	EA	6'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,687.52	983.47
33 42 31 00-0071	EA	7' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,012.03	1,032.06
33 42 31 00-0072	EA	7'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,246.00	1,074.10
33 42 31 00-0073	EA	8' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,572.32	1,122.69
33 42 31 00-0074	VLF	>8' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	821.59	140.38
33 42 31 00-0075		**5' x 5', Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0076	EA	4' Deep, 5' x 5' x 6" Thick Wall, Cast In Place, Catch Basin	4,541.30	814.21
33 42 31 00-0077	EA	4'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	5,109.55	899.72
33 42 31 00-0078	EA	5' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	5,461.69	953.02
33 42 31 00-0079	EA	5'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	5,723.27	999.73
33 42 31 00-0080	EA	6' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	6,071.32	1,052.92
33 42 31 00-0081	EA	6'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	6,335.19	1,099.65
33 42 31 00-0082	EA	7' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	6,685.04	1,152.94
33 42 31 00-0083	EA	7'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	6,944.81	1,199.67
33 42 31 00-0084	EA	8' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	7,296.94	1,252.86
33 42 31 00-0085	VLF	>8' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	1,293.16	156.65

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0086		**5'-6" x 5'-6", Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0087	EA	4' Deep, 5'-6" x 5'-6" x 6" Thick Wall, Cast In Place, Catch Basin	5,049.83	907.96
33 42 31 00-0088	EA	4'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,902.29	1,027.81
33 42 31 00-0089	EA	5' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,294.06	1,087.02
33 42 31 00-0090	EA	5'-6" Deep, 5'-6" x 5' x 8" Thick Wall, Cast In Place, Catch Basin	6,595.27	1,140.11
33 42 31 00-0091	EA	6' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,988.86	1,199.77
33 42 31 00-0092	EA	6'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,292.34	1,252.86
33 42 31 00-0093	EA	7' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,684.12	1,312.51
33 42 31 00-0094	EA	7'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,985.35	1,365.59
33 42 31 00-0095	EA	8' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	8,377.12	1,425.24
33 42 31 00-0096	VLF	>8' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	1,047.14	178.13
33 42 31 00-0097		**6' x 6', Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0098	EA	4' Deep, 6' x 6' x 6" Thick Wall, Cast In Place, Catch Basin	5,585.58	1,006.10
33 42 31 00-0099	EA	4'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	6,525.51	1,137.60
33 42 31 00-0100	EA	5' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	6,945.52	1,202.06
33 42 31 00-0101	EA	5'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	7,275.47	1,259.95
33 42 31 00-0102	EA	6' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	7,693.21	1,324.40
33 42 31 00-0103	EA	6'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	8,024.94	1,382.28
33 42 31 00-0104	EA	7' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	8,443.17	1,446.73
33 42 31 00-0105	EA	7'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	8,772.62	1,504.61
33 42 31 00-0106	EA	8' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	9,192.64	1,569.06
33 42 31 00-0107	VLF	>8' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	1,149.14	196.17
33 42 31 00-0108		**6'-6" x 6'-6", Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0109	EA	4' Deep, 6'-6" x 6'-6" x 6" Thick Wall, Cast In Place, Catch Basin	6,144.44	1,108.93
33 42 31 00-0110	EA	4'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,460.29	1,284.76
33 42 31 00-0111	EA	5' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,924.21	1,356.10
33 42 31 00-0112	EA	5'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	8,299.75	1,420.86
33 42 31 00-0113	EA	6' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	8,763.66	1,492.10
33 42 31 00-0114	EA	6'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	9,139.19	1,556.96
33 42 31 00-0115	EA	7' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	9,603.11	1,628.20
33 42 31 00-0116	EA	7'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	9,978.65	1,692.96
33 42 31 00-0117	EA	8' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	10,444.36	1,764.30
33 42 31 00-0118	VLF	>8' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	1,305.49	220.58
33 42 31 00-0119		**7' x 7', Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0120	EA	4' Deep, 7' x 7' x 6" Thick Wall, Cast In Place, Catch Basin	6,728.91	1,216.25
33 42 31 00-0121	EA	4'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	8,170.72	1,408.14
33 42 31 00-0122	EA	5' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	8,663.50	1,484.48
33 42 31 00-0123	EA	5'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	9,066.21	1,554.15
33 42 31 00-0124	EA	6' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	9,561.17	1,630.38
33 42 31 00-0125	EA	6'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	9,963.88	1,700.15
33 42 31 00-0126	EA	7' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	10,456.66	1,776.39
33 42 31 00-0127	EA	7'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	10,861.64	1,846.17
33 42 31 00-0128	EA	8' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	11,354.32	1,922.40
33 42 31 00-0129	VLF	>8' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	1,419.34	240.29
33 42 31 00-0130		**7'-6" x 7'-6", Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0131	EA	4' Deep, 7'-6" x 7'-6" x 6" Thick Wall, Cast In Place, Catch Basin	7,663.71	1,365.07
33 42 31 00-0132	EA	4'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	8,910.12	1,536.52
33 42 31 00-0133	EA	5' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	9,429.97	1,617.77
33 42 31 00-0134	EA	5'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	9,863.82	1,692.44
33 42 31 00-0135	EA	6' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	10,385.84	1,773.68
33 42 31 00-0136	EA	6'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	10,819.70	1,848.35
33 42 31 00-0137	EA	7' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	11,339.55	1,929.60
33 42 31 00-0138	EA	7'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	11,773.41	2,004.27
33 42 31 00-0139	EA	8' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	12,295.53	2,085.51
33 42 31 00-0140	VLF	>8' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	1,536.91	260.73
33 42 31 00-0141		**8' x 8', Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0142	EA	4' Deep, 8' x 8' x 6" Thick Wall, Cast In Place, Catch Basin	8,329.84	1,485.21
33 42 31 00-0143	EA	4'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	9,676.46	1,669.91
33 42 31 00-0144	EA	5' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	10,225.76	1,756.06
33 42 31 00-0145	EA	5'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	10,688.49	1,835.74
33 42 31 00-0146	EA	6' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	11,237.69	1,921.88
33 42 31 00-0147	EA	6'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	11,695.85	2,001.56
33 42 31 00-0148	EA	7' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	12,249.60	2,087.70
33 42 31 00-0149	EA	7'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	12,712.32	2,167.38
33 42 31 00-0150	EA	8' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	13,252.26	2,253.53
33 42 31 00-0151	VLF	>8' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	1,657.69	281.69

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0152		**Precast Concrete Catch Basins** *(33 42 31 00-0002)* Note: Inside dimensions.		
33 42 31 00-0153		**1'-6" Diameter Precast Catch Basins** *(33 42 31 00-0152)*		
33 42 31 00-0154	EA	4' Deep, 1'-6" Diameter Precast Catch Basins	744.58	234.78
33 42 31 00-0155	EA	6' Deep, 1'-6" Diameter Precast Catch Basins	1,037.84	352.16
33 42 31 00-0156	EA	8' Deep, 1'-6" Diameter Precast Catch Basins	1,316.97	457.81
33 42 31 00-0157	EA	10' Deep, 1'-6" Diameter Precast Catch Basins	1,576.30	541.16
33 42 31 00-0158	EA	12' Deep, 1'-6" Diameter Precast Catch Basins	1,942.98	686.71
33 42 31 00-0159	EA	14' Deep, 1'-6" Diameter Precast Catch Basins	2,223.38	792.36
33 42 31 00-0160	VLF	Vertical Linear Foot Over 14' Deep, 1'-6" Diameter Precast Catch Basins	155.02	52.82
33 42 31 00-0161		**2' Diameter Precast Catch Basins** *(33 42 31 00-0152)*		
33 42 31 00-0162	EA	4' Deep, 2' Diameter Precast Catch Basin	847.90	261.19
33 42 31 00-0163	EA	6' Deep, 2' Diameter Precast Catch Basin	1,175.40	387.37
33 42 31 00-0164	EA	8' Deep, 2' Diameter Precast Catch Basin	1,485.61	510.63
33 42 31 00-0165	EA	10' Deep, 2' Diameter Precast Catch Basin	1,772.34	595.74
33 42 31 00-0166	EA	12' Deep, 2' Diameter Precast Catch Basin	2,198.11	763.01
33 42 31 00-0167	EA	14' Deep, 2' Diameter Precast Catch Basin	2,512.13	880.40
33 42 31 00-0168	VLF	Vertical Linear Foot Over 14' Deep, 2' Diameter Precast Catch Basin	175.21	63.38
33 42 31 00-0169		**3' Diameter Precast Catch Basins** *(33 42 31 00-0152)*		
33 42 31 00-0170	EA	4' Deep, 3' Diameter Precast Catch Basin	1,115.65	308.14
33 42 31 00-0171	EA	6' Deep, 3' Diameter Precast Catch Basin	1,525.86	455.46
33 42 31 00-0172	EA	8' Deep, 3' Diameter Precast Catch Basin	1,919.71	601.60
33 42 31 00-0173	EA	10' Deep, 3' Diameter Precast Catch Basin	2,390.81	751.27
33 42 31 00-0174	EA	12' Deep, 3' Diameter Precast Catch Basin	2,825.08	895.66
33 42 31 00-0175	EA	14' Deep, 3' Diameter Precast Catch Basin	3,244.79	1,042.39
33 42 31 00-0176	VLF	Vertical Linear Foot Over 14' Deep, 3' Diameter Precast Catch Basin	223.47	74.45
33 42 31 00-0177		**4' Diameter Precast Catch Basins** *(33 42 31 00-0152)*		
33 42 31 00-0178	EA	4' Deep, 4' Diameter Precast Catch Basin	1,346.91	342.77
33 42 31 00-0179	EA	6' Deep, 4' Diameter Precast Catch Basin	1,753.93	469.55
33 42 31 00-0180	EA	8' Deep, 4' Diameter Precast Catch Basin	2,355.53	704.32
33 42 31 00-0181	EA	10' Deep, 4' Diameter Precast Catch Basin	2,939.44	880.40
33 42 31 00-0182	EA	12' Deep, 4' Diameter Precast Catch Basin	3,476.00	1,056.47
33 42 31 00-0183	EA	14' Deep, 4' Diameter Precast Catch Basin	3,996.43	1,232.56
33 42 31 00-0184	VLF	Vertical Linear Foot Over 14' Deep, 4' Diameter Precast Catch Basin	274.57	88.04
33 42 31 00-0185		**5' Diameter Precast Catch Basins** *(33 42 31 00-0152)*		
33 42 31 00-0186	EA	4' Deep, 5' Diameter Precast Catch Basin	1,814.00	469.55
33 42 31 00-0187	EA	6' Deep, 5' Diameter Precast Catch Basin	2,489.01	704.32
33 42 31 00-0188	EA	8' Deep, 5' Diameter Precast Catch Basin	3,167.49	939.09
33 42 31 00-0189	EA	10' Deep, 5' Diameter Precast Catch Basin	3,875.62	1,173.87
33 42 31 00-0190	EA	12' Deep, 5' Diameter Precast Catch Basin	4,573.88	1,408.64
33 42 31 00-0191	EA	14' Deep, 5' Diameter Precast Catch Basin	5,324.51	1,643.41
33 42 31 00-0192	VLF	Vertical Linear Foot Over 14' Deep, 5' Diameter Precast Catch Basin	365.34	117.38
33 42 31 00-0193		**6' Diameter Precast Catch Basins** *(33 42 31 00-0152)*		
33 42 31 00-0194	EA	4' Deep, 6' Diameter Precast Catch Basin	2,655.87	704.32
33 42 31 00-0195	EA	6' Deep, 6' Diameter Precast Catch Basin	3,609.49	1,056.47
33 42 31 00-0196	EA	8' Deep, 6' Diameter Precast Catch Basin	4,628.03	1,408.64
33 42 31 00-0197	EA	10' Deep, 6' Diameter Precast Catch Basin	5,768.35	1,760.80
33 42 31 00-0198	EA	12' Deep, 6' Diameter Precast Catch Basin	6,875.30	2,112.96
33 42 31 00-0199	EA	14' Deep, 6' Diameter Precast Catch Basin	7,958.06	2,465.12
33 42 31 00-0200	VLF	Vertical Linear Foot Over 14' Deep, 6' Diameter Precast Catch Basin	544.70	176.08
33 42 31 00-0201		**Precast Catch Basins Accessories** *(33 42 31 00-0152)*		
33 42 31 00-0202	EA	Single Or Double Wing Slab Top With Throat	1,633.30	763.01
33 42 31 00-0203	EA	4' x 4' Weir Box, Precast Catch Basin	727.08	93.91
33 42 31 00-0204	EA	4' Diameter Inlet Round To Square Adapter, Precast Catch Basin	413.23	99.78
33 42 31 00-0205	EA	3' Diameter, Up To 6" High, Precast Extension Ring	517.15	146.73
		For Each Additional Inch In Height, Add	*61.72*	
33 42 31 00-0206	EA	4' Diameter, Up To 6" High, Precast Extension Ring	610.29	176.08
		For Each Additional Inch In Height, Add	*72.34*	
33 42 31 00-0207	EA	5' Diameter, Up To 6" High, Precast Extension Ring	711.80	205.43
		For Each Additional Inch In Height, Add	*84.43*	
33 42 31 00-0208	EA	6' Diameter, Up To 6" High, Precast Extension Ring	894.42	293.46
		For Each Additional Inch In Height, Add	*100.21*	
33 42 31 00-0209	EA	Adjust Existing Catch Basin Inlet Grate To Match Grade	704.28	
33 42 31 00-0210		**Catch Basin Risers** *(33 42 31 00-0152)*		
33 42 31 00-0211	EA	Up To 860 Square Inch, Up to 2" Rise, Catch Basin Riser	430.51	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0212	EA	>860 To 1140 Square Inch, Up To 2" Rise, Catch Basin Riser	480.50	
33 42 31 00-0213	EA	>1140 Square Inch, Up To 2" Rise, Catch Basin Riser	539.94	
33 42 31 00-0214	EA	Up To 860 Square Inch, >2" To 3" Rise, Catch Basin Riser	463.46	
33 42 31 00-0215	EA	>860 To 1140 Square Inch, >2" To 3" Rise, Catch Basin Riser	516.81	
33 42 31 00-0216	EA	>1140 Square Inch, >2" To 3" Rise, Catch Basin Riser	582.67	
33 42 31 00-0217	EA	Up To 860 Square Inch, >3" To 4" Rise, Catch Basin Riser	512.63	
33 42 31 00-0218	EA	>860 To 1140 Square Inch, >3" To 4" Rise, Catch Basin Riser	560.02	
33 42 31 00-0219	EA	>1140 Square Inch, >3" To 4" Rise, Catch Basin Riser	626.11	
33 42 31 00-0220		**Cast In Place, Storm Drain Cleanout** *(33 42 31 00-0002)*		
		Note: Inside span.		
33 42 31 00-0221	EA	6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout	4,882.84	825.78
33 42 31 00-0222	EA	6' Deep, 4' x 5' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout	5,584.05	942.38
33 42 31 00-0223	EA	6' Deep, 4' x 6' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout	6,380.03	1,069.50
33 42 31 00-0224	EA	7' Deep, 4' x 7' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout	7,652.15	1,282.99
33 42 31 00-0225	EA	8' Deep, 4' x 8' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout	9,328.11	1,548.93
33 42 31 00-0226		**Precast Concrete Inlet Boxes** *(33 42 31 00-0002)*		
		Note: Inside dimensions.		
33 42 31 00-0227		**Precast Concrete Inlet Boxes** *(33 42 31 00-0226)*		
33 42 31 00-0228		**24" x 24" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0227)*		
		Note: Yard inlet.		
33 42 31 00-0229		**24" x 24" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0228)*		
33 42 31 00-0230	EA	24" Height, 24" x 24" ID, Precast Concrete Inlet Box	865.93	82.17
33 42 31 00-0231	EA	30" Height, 24" x 24" ID, Precast Concrete Inlet Box	1,018.08	99.78
33 42 31 00-0232	EA	36" Height, 24" x 24" ID, Precast Concrete Inlet Box	1,170.23	117.38
33 42 31 00-0233	EA	42" Height, 24" x 24" ID, Precast Concrete Inlet Box	1,323.83	135.73
33 42 31 00-0234		**24" x 24" ID, Precast Concrete Inlet Box Risers** *(33 42 31 00-0228)*		
33 42 31 00-0235	EA	6" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	216.71	
33 42 31 00-0236	EA	12" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	351.24	
33 42 31 00-0237	EA	18" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	497.52	
33 42 31 00-0238	EA	24" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	643.81	
33 42 31 00-0239	EA	30" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	790.09	
33 42 31 00-0240	EA	36" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	936.37	
33 42 31 00-0241		**22" x 48" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0227)*		
33 42 31 00-0242		**22" x 48" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0241)*		
33 42 31 00-0243	EA	36" Height, 22" x 48" ID, Precast Concrete Inlet Box	1,779.11	232.15
33 42 31 00-0244	EA	42" Height, 22" x 48" ID, Precast Concrete Inlet Box	2,001.51	268.43
33 42 31 00-0245	EA	48" Height, 22" x 48" ID, Precast Concrete Inlet Box	2,223.91	304.70
33 42 31 00-0246	EA	54" Height, 22" x 48" ID, Precast Concrete Inlet Box	2,446.48	341.06
33 42 31 00-0247	EA	60" Height, 22" x 48" ID, Precast Concrete Inlet Box	2,669.05	377.42
33 42 31 00-0248	EA	66" Height, 22" x 48" ID, Precast Concrete Inlet Box	2,891.62	413.78
33 42 31 00-0249	EA	72" Height, 22" x 48" ID, Precast Concrete Inlet Box	3,114.19	450.14
33 42 31 00-0250		**22" x 48" ID, Precast Concrete Inlet Box Risers** *(33 42 31 00-0241)*		
33 42 31 00-0251	EA	6" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	424.31	
33 42 31 00-0252	EA	12" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	684.28	
33 42 31 00-0253	EA	18" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	743.00	
33 42 31 00-0254	EA	24" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	951.55	
33 42 31 00-0255	EA	30" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	1,160.09	
33 42 31 00-0256	EA	36" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	1,363.40	
33 42 31 00-0257	EA	42" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	1,585.80	
33 42 31 00-0258	EA	48" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	1,808.19	
33 42 31 00-0259	EA	54" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	2,030.76	
33 42 31 00-0260	EA	60" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	2,253.33	
33 42 31 00-0261	EA	66" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	2,475.91	
33 42 31 00-0262	EA	72" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	2,698.48	
33 42 31 00-0263		**30" x 48" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0227)*		
33 42 31 00-0264		**30" x 48" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0263)*		
33 42 31 00-0265	EA	36" Height, 30" x 48" ID, Precast Concrete Inlet Box	1,716.06	255.37
33 42 31 00-0266	EA	42" Height, 30" x 48" ID, Precast Concrete Inlet Box	1,938.90	295.27
33 42 31 00-0267	EA	48" Height, 30" x 48" ID, Precast Concrete Inlet Box	2,161.72	335.17
33 42 31 00-0268	EA	54" Height, 30" x 48" ID, Precast Concrete Inlet Box	2,384.75	375.17
33 42 31 00-0269	EA	60" Height, 30" x 48" ID, Precast Concrete Inlet Box	2,607.77	415.17
33 42 31 00-0270	EA	66" Height, 30" x 48" ID, Precast Concrete Inlet Box	2,830.80	455.16
33 42 31 00-0271	EA	72" Height, 30" x 48" ID, Precast Concrete Inlet Box	3,053.82	495.16

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0272		**30" x 48" ID, Precast Concrete Inlet Box Risers** *(33 42 31 00-0263)*		
33 42 31 00-0273	EA	6" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	422.32	
33 42 31 00-0274	EA	12" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	672.83	
33 42 31 00-0275	EA	18" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	733.22	
33 42 31 00-0276	EA	24" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	937.77	
33 42 31 00-0277	EA	30" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	1,142.31	
33 42 31 00-0278	EA	36" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	1,345.71	
33 42 31 00-0279	EA	42" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	1,565.35	
33 42 31 00-0280	EA	48" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	1,783.83	
33 42 31 00-0281	EA	54" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	2,003.47	
33 42 31 00-0282	EA	60" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	2,221.94	
33 42 31 00-0283	EA	66" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	2,441.59	
33 42 31 00-0284	EA	72" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	2,661.23	
33 42 31 00-0285		**42" x 48" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0227)*		
33 42 31 00-0286		**42" x 48" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0285)*		
33 42 31 00-0287	EA	36" Height, 42" x 48" ID, Precast Concrete Inlet Box	2,040.71	278.59
33 42 31 00-0288	EA	42" Height, 42" x 48" ID, Precast Concrete Inlet Box	2,302.42	323.86
33 42 31 00-0289	EA	48" Height, 42" x 48" ID, Precast Concrete Inlet Box	2,564.12	370.29
33 42 31 00-0290	EA	54" Height, 42" x 48" ID, Precast Concrete Inlet Box	2,824.66	415.56
33 42 31 00-0291	EA	60" Height, 42" x 48" ID, Precast Concrete Inlet Box	3,086.37	461.99
33 42 31 00-0292	EA	66" Height, 42" x 48" ID, Precast Concrete Inlet Box	3,348.06	507.26
33 42 31 00-0293	EA	72" Height, 42" x 48" ID, Precast Concrete Inlet Box	3,608.60	552.53
33 42 31 00-0294		**42" x 48" ID, Precast Concrete Inlet Box Risers** *(33 42 31 00-0285)*		
33 42 31 00-0295	EA	6" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	466.26	
33 42 31 00-0296	EA	12" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	758.41	
33 42 31 00-0297	EA	18" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	820.51	
33 42 31 00-0298	EA	24" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	1,052.62	
33 42 31 00-0299	EA	30" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	1,284.72	
33 42 31 00-0300	EA	36" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	1,516.82	
33 42 31 00-0301	EA	42" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	1,764.59	
33 42 31 00-0302	EA	48" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	2,012.36	
33 42 31 00-0303	EA	54" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	2,260.14	
33 42 31 00-0304	EA	60" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	2,507.91	
33 42 31 00-0305	EA	66" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	2,755.69	
33 42 31 00-0306	EA	72" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	3,003.46	
33 42 31 00-0307		**42" x 48" ID, Precast Concrete Inlet Box Tops** *(33 42 31 00-0285)*		
33 42 31 00-0308	EA	42" x 48" ID, Precast Concrete Inlet Box Top Slab	1,157.86	174.12
33 42 31 00-0309		**48" x 54" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0227)*		
33 42 31 00-0310		**48" x 54" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0309)*		
33 42 31 00-0311	EA	36" Height, 48" x 54" ID, Precast Concrete Inlet Box	2,894.40	309.54
33 42 31 00-0312	EA	42" Height, 48" x 54" ID, Precast Concrete Inlet Box	3,244.04	360.42
33 42 31 00-0313	EA	48" Height, 48" x 54" ID, Precast Concrete Inlet Box	3,593.71	411.30
33 42 31 00-0314	EA	54" Height, 48" x 54" ID, Precast Concrete Inlet Box	3,942.98	461.99
33 42 31 00-0315	EA	60" Height, 48" x 54" ID, Precast Concrete Inlet Box	4,292.26	512.68
33 42 31 00-0316	EA	66" Height, 48" x 54" ID, Precast Concrete Inlet Box	4,641.55	563.38
33 42 31 00-0317	EA	72" Height, 48" x 54" ID, Precast Concrete Inlet Box	4,990.82	614.08
33 42 31 00-0318		**48" x 54" ID, Precast Concrete Inlet Box Risers** *(33 42 31 00-0309)*		
33 42 31 00-0319	EA	6" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	468.44	
33 42 31 00-0320	EA	12" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	747.29	
33 42 31 00-0321	EA	18" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	1,091.91	
33 42 31 00-0322	EA	24" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	1,436.54	
33 42 31 00-0323	EA	30" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	1,761.82	
33 42 31 00-0324	EA	36" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	2,106.44	
33 42 31 00-0325	EA	42" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	2,456.09	
33 42 31 00-0326	EA	48" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	2,805.75	
33 42 31 00-0327	EA	54" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	3,155.03	
33 42 31 00-0328	EA	60" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	3,504.31	
33 42 31 00-0329	EA	66" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	3,853.59	
33 42 31 00-0330	EA	72" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	4,202.87	
33 42 31 00-0331		**48" x 54" ID, Precast Concrete Inlet Box Tops** *(33 42 31 00-0309)*		
33 42 31 00-0332	EA	48" x 54" ID, Precast Concrete Inlet Box Top Slab	1,258.41	188.63
33 42 31 00-0333		**48" x 66" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0227)*		
33 42 31 00-0334		**48" x 66" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0333)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0335	EA	36" Height, 48" x 66" ID, Precast Concrete Inlet Box	3,337.06	390.02
33 42 31 00-0336	EA	42" Height, 48" x 66" ID, Precast Concrete Inlet Box	3,721.60	455.19
33 42 31 00-0337	EA	48" Height, 48" x 66" ID, Precast Concrete Inlet Box	4,106.16	520.35
33 42 31 00-0338	EA	54" Height, 48" x 66" ID, Precast Concrete Inlet Box	4,489.99	585.15
33 42 31 00-0339	EA	60" Height, 48" x 66" ID, Precast Concrete Inlet Box	4,873.83	649.95
33 42 31 00-0340	EA	66" Height, 48" x 66" ID, Precast Concrete Inlet Box	5,257.65	714.76
33 42 31 00-0341	EA	72" Height, 48" x 66" ID, Precast Concrete Inlet Box	5,641.49	779.56
33 42 31 00-0342		**48" x 66" ID, Precast Concrete Inlet Box Risers** *(33 42 31 00-0333)*		
33 42 31 00-0343	EA	6" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	514.24	
33 42 31 00-0344	EA	12" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	800.97	
33 42 31 00-0345	EA	18" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	1,185.21	
33 42 31 00-0346	EA	24" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	1,569.43	
33 42 31 00-0347	EA	30" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	1,921.16	
33 42 31 00-0348	EA	36" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	2,305.39	
33 42 31 00-0349	EA	42" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	2,689.94	
33 42 31 00-0350	EA	48" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	3,074.49	
33 42 31 00-0351	EA	54" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	3,458.33	
33 42 31 00-0352	EA	60" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	3,842.16	
33 42 31 00-0353	EA	66" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	4,225.99	
33 42 31 00-0354	EA	72" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	4,609.82	
33 42 31 00-0355		**48" x 66" ID, Precast Concrete Inlet Box Tops** *(33 42 31 00-0333)*		
33 42 31 00-0356	EA	48" x 66" ID, Precast Concrete Inlet Box Top Slab	1,399.08	211.26
33 42 31 00-0357		**42" x 102" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0227)*		
33 42 31 00-0358		**42" x 102" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0357)*		
33 42 31 00-0359	EA	36" Height, 42" x 102" ID, Precast Concrete Inlet Box	4,179.82	525.83
33 42 31 00-0360	EA	42" Height, 42" x 102" ID, Precast Concrete Inlet Box	4,666.46	612.89
33 42 31 00-0361	EA	48" Height, 42" x 102" ID, Precast Concrete Inlet Box	5,153.08	698.78
33 42 31 00-0362	EA	54" Height, 42" x 102" ID, Precast Concrete Inlet Box	5,638.55	785.84
33 42 31 00-0363	EA	60" Height, 42" x 102" ID, Precast Concrete Inlet Box	6,125.17	871.74
33 42 31 00-0364	EA	66" Height, 42" x 102" ID, Precast Concrete Inlet Box	6,610.64	957.64
33 42 31 00-0365	EA	72" Height, 42" x 102" ID, Precast Concrete Inlet Box	7,098.43	1,044.70
33 42 31 00-0366		**42" x 102" ID, Precast Concrete Inlet Box Risers** *(33 42 31 00-0357)*		
33 42 31 00-0367	EA	6" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	688.60	
33 42 31 00-0368	EA	12" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	1,054.51	
33 42 31 00-0369	EA	18" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	1,533.02	
33 42 31 00-0370	EA	24" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	2,011.51	
33 42 31 00-0371	EA	30" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	2,456.35	
33 42 31 00-0372	EA	36" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	2,934.86	
33 42 31 00-0373	EA	42" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	3,421.49	
33 42 31 00-0374	EA	48" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	3,908.11	
33 42 31 00-0375	EA	54" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	4,393.58	
33 42 31 00-0376	EA	60" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	4,880.21	
33 42 31 00-0377	EA	66" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	5,365.67	
33 42 31 00-0378	EA	72" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	5,852.31	
33 42 31 00-0379		**42" x 102" ID, Precast Concrete Inlet Box Tops** *(33 42 31 00-0357)*		
33 42 31 00-0380	EA	42" x 102" ID, Precast Concrete Inlet Box Top Slab	1,907.49	232.15
33 42 31 00-0381		**Frames And Grates For Inlets** *(33 42 31 00-0226)*		
33 42 31 00-0382		**Inlet Frames And Grates** *(33 42 31 00-0381)*		
33 42 31 00-0383	EA	24" x 24", Heavy-Duty Inlet Grate Note: For type A, B, D, or E inlets.	429.39	54.66
33 42 31 00-0384	EA	47-3/4" x 21-3/4", Bicycle Safe Inlet Grate (US Foundry 6352 GRT) Note: For type A, B, D, or E inlets.	556.64	54.66
33 42 31 00-0385	EA	47-3/4" x 21-3/4", Phase II Stormwater Compliant Inlet Grate (US Foundry 6352 GRT) Note: Includes legend: Dump No Waste "Drains To Waterways".	556.64	54.66
33 42 31 00-0386	EA	Phase II Storm Water Compliant Grate, Echo Grate, Type "B" And "D" Inlet Covers (US Foundry 6352 GRT Note: Legend: Dump No Waste "Drains to Waterways"	556.64	54.66
33 42 31 00-0387	EA	Parallel Bar Grates For Type A, B, D And E Inlets (Campbell Foundry 2617-0362)	609.90	54.66
33 42 31 00-0388	EA	Type B Inlet Dirt Plate (US Foundry 5217 BK)	452.94	109.31
33 42 31 00-0389	EA	Back Plate For Type B Inlets (Campbell Foundry 2548-1942)	527.49	109.31
33 42 31 00-0390	EA	Phase II Echo-Safe Bar For Series 2500/2600 Curb Inlets (Campbell Foundry 25419EC4) Note: Includes cam action clamping system, stainless steel badge labeled to center of plate, steel plate welded to bar with legend: Dump No Waste "Drains to Waterways".	656.71	136.64
33 42 31 00-0391	EA	1-1/2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT)	560.85	136.64
33 42 31 00-0392	EA	2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT)	571.50	136.64
33 42 31 00-0393	EA	2-1/2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT)	592.80	136.64
33 42 31 00-0394	EA	3" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT)	614.10	136.64
33 42 31 00-0395	EA	2" Extension Frame For Type A Inlet (General Foundries 6352 EXT)	592.80	136.64

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0396	EA	2-1/2" Extension Frame For Type A Inlet (General Foundries 6352 EXT)	614.10	136.64
33 42 31 00-0397	EA	3" Extension Frame For Type A Inlet (General Foundries 6352 EXT)	635.41	136.64
33 42 31 00-0398	EA	2" Extension Frame For Type E Inlet (General Foundries 6352 EXT)	912.32	136.64
33 42 31 00-0399	EA	2-1/2" Extension Frame For Type E Inlet (General Foundries 6352 EXT)	954.93	136.64
33 42 31 00-0400	EA	3" Extension Frame For Type E Inlet (General Foundries 6352 EXT)	997.53	136.64
33 42 31 00-0401	EA	2", 3 Sided Extension Frame For Type A, B, D, And E Inlet (Campbell Foundry 2701)	678.01	136.64
33 42 31 00-0402	EA	6" Type N Curb Back Piece For Type B And D Inlets (US Foundry 5218N6)	614.10	136.64
33 42 31 00-0403	EA	8" Type N Curb Back Piece For Type B And D Inlets (US Foundry 5218N8)	614.10	136.64
33 42 31 00-0404	EA	6" Radius Curb Back Piece For Type B And D Inlets (Campbell Foundry BSCB-6)	1,255.02	136.64
33 42 31 00-0405	EA	8" Radius Curb Back Piece For Type B And D Inlets (Campbell Foundry BSCB-8)	1,255.02	136.64
33 42 31 00-0406	EA	Safety Bars For Type B And D Inlets (General Foundries 5218 SB)	513.63	150.30
33 42 31 00-0407	EA	6", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 648) Note: Includes cam action clamping system and stainless steel badge labeled to center of plate.	715.99	150.30
33 42 31 00-0408	EA	8", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 848) Note: Includes cam action clamping system and stainless steel badge labeled to center of plate.	715.99	150.30
33 42 31 00-0409	EA	10", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 1048) Note: Includes cam action clamping system and stainless steel badge labeled to center of plate.	790.54	150.30
33 42 31 00-0410	EA	Type B Inlet Frame (US Foundry 5216 FRM)	907.70	150.30
33 42 31 00-0411	EA	Type D Inlet Frame (US Foundry 2999 FRM)	779.89	150.30
33 42 31 00-0412	EA	Type B Inlet Frame (Campbell Foundry 2618-0202)	1,110.07	150.30
33 42 31 00-0413	EA	Type D Inlet Frame (Campbell Foundry 2617-0002)	982.26	150.30
33 42 31 00-0414	EA	Type A Inlet, Single Frame And Grate (US Foundry 52340)	1,268.02	218.62
33 42 31 00-0415	EA	Type E Inlet, Single Frame And Grate (US Foundry 52342)	2,034.87	218.62
33 42 31 00-0416	EA	Type A Inlet, Single Frame And Grate (General Foundries 52340)	1,236.07	218.62
33 42 31 00-0417	EA	Type E Inlet, Double Frame And Grate (General Foundries 52342)	1,934.76	218.62
33 42 31 00-0418	EA	Oversized Type A Inlet, Single Frame And Reticuline Grate (US Foundry 82340)	2,072.43	327.93
33 42 31 00-0419	EA	Heavy-Duty Rectangular Frame And Grate (Campbell Foundry 3084)	2,130.22	437.26
33 42 31 00-0420	EA	6" Curb Piece, Type B Inlet Frame And Grate (US Foundry 52186)	2,333.65	437.26
33 42 31 00-0421	EA	8" Curb Piece, Type B Inlet Frame And Grate (US Foundry 52198)	2,333.65	437.26
33 42 31 00-0422	EA	6" Curb Piece, Type D Inlet Frame And Grate (US Foundry 72266)	2,067.38	437.26
33 42 31 00-0423	EA	8" Curb Piece, Type D Inlet Frame And Grate (US Foundry 72268)	2,067.38	437.26
33 42 31 00-0424	EA	Type B And C Inlet Frame And Grate With Type N Curb And Back Plate (Campbell Foundry GFI 52198)	2,418.86	437.26

33 42 31 00-0425 Concrete Drainage Inlet Structures (CALTRANS) *(33 42 31 00-0001)*

33 42 31 00-0426 Type OS Concrete Drainage Inlet Structure *(33 42 31 00-0425)*

33 42 31 00-0427	EA	3' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	2,844.19	
33 42 31 00-0428	EA	4' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	3,304.70	
33 42 31 00-0429	EA	5' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	3,732.41	
33 42 31 00-0430	EA	6' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	4,127.33	
33 42 31 00-0431	EA	7' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	4,489.46	
33 42 31 00-0432	EA	8' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	4,818.79	
33 42 31 00-0433	EA	8' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	6,556.99	
33 42 31 00-0434	EA	10' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	7,644.61	
33 42 31 00-0435	EA	12' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	8,648.72	
33 42 31 00-0436	EA	14' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	9,571.64	
33 42 31 00-0437	EA	16' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	10,460.42	
33 42 31 00-0438	EA	18' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	11,277.93	
33 42 31 00-0439	EA	20' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	12,024.15	

33 42 31 00-0440 Type OL-7 Concrete Drainage Inlet Structure *(33 42 31 00-0425)*

33 42 31 00-0441	EA	3' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,872.95	
33 42 31 00-0442	EA	4' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,303.48	
33 42 31 00-0443	EA	5' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,701.21	
33 42 31 00-0444	EA	6' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,066.17	
33 42 31 00-0445	EA	7' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,397.14	
33 42 31 00-0446	EA	8' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,696.50	
33 42 31 00-0447	EA	8' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,383.07	
33 42 31 00-0448	EA	10' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,445.32	
33 42 31 00-0449	EA	12' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,424.03	
33 42 31 00-0450	EA	14' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,320.40	
33 42 31 00-0451	EA	16' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,187.24	
33 42 31 00-0452	EA	18' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,982.80	
33 42 31 00-0453	EA	20' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,707.07	

33 42 31 00-0454 Type OL-10 Concrete Drainage Inlet Structure *(33 42 31 00-0425)*

33 42 31 00-0455	EA	3' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,821.02	
33 42 31 00-0456	EA	4' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,224.17	
33 42 31 00-0457	EA	5' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,593.37	
33 42 31 00-0458	EA	6' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,930.94	
33 42 31 00-0459	EA	7' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,234.54	
33 42 31 00-0460	EA	8' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,505.37	
33 42 31 00-0461	EA	8' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,209.16	
33 42 31 00-0462	EA	10' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,244.84	
33 42 31 00-0463	EA	12' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,199.34	
33 42 31 00-0464	EA	14' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,070.35	
33 42 31 00-0465	EA	16' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,914.06	
33 42 31 00-0466	EA	18' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,687.66	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0467	EA	20' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,388.83	
33 42 31 00-0468		**Type OL-14 Concrete Drainage Inlet Structure** *(33 42 31 00-0425)*		
33 42 31 00-0469	EA	3' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,172.51	
33 42 31 00-0470	EA	4' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,535.28	
33 42 31 00-0471	EA	5' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,865.26	
33 42 31 00-0472	EA	6' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,162.44	
33 42 31 00-0473	EA	7' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,426.84	
33 42 31 00-0474	EA	8' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,658.43	
33 42 31 00-0475	EA	8' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,379.43	
33 42 31 00-0476	EA	10' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,379.06	
33 42 31 00-0477	EA	12' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,296.35	
33 42 31 00-0478	EA	14' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,131.28	
33 42 31 00-0479	EA	16' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,944.98	
33 42 31 00-0480	EA	18' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,686.24	
33 42 31 00-0481	EA	20' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	14,356.20	
33 42 31 00-0482		**Type OL-21 Concrete Drainage Inlet Structure** *(33 42 31 00-0425)*		
33 42 31 00-0483	EA	3' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	8,915.85	
33 42 31 00-0484	EA	4' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	9,198.29	
33 42 31 00-0485	EA	5' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	9,447.95	
33 42 31 00-0486	EA	6' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	9,664.82	
33 42 31 00-0487	EA	7' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	9,847.71	
33 42 31 00-0488	EA	8' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	9,998.98	
33 42 31 00-0489	EA	8' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,668.35	
33 42 31 00-0490	EA	10' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,596.96	
33 42 31 00-0491	EA	12' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,443.21	
33 42 31 00-0492	EA	14' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	14,207.11	
33 42 31 00-0493	EA	16' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	14,959.29	
33 42 31 00-0494	EA	18' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	15,639.02	
33 42 31 00-0495	EA	20' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	16,247.47	
33 42 31 00-0496		**Type GOL-7 Concrete Drainage Inlet Structure** *(33 42 31 00-0425)*		
33 42 31 00-0497	EA	3' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,699.98	
33 42 31 00-0498	EA	4' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,175.22	
33 42 31 00-0499	EA	5' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,612.82	
33 42 31 00-0500	EA	6' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,012.78	
33 42 31 00-0501	EA	7' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,376.26	
33 42 31 00-0502	EA	8' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,703.28	
33 42 31 00-0503	EA	8' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,536.14	
33 42 31 00-0504	EA	10' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,719.22	
33 42 31 00-0505	EA	12' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,809.71	
33 42 31 00-0506	EA	14' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,806.43	
33 42 31 00-0507	EA	16' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,772.03	
33 42 31 00-0508	EA	18' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,657.46	
33 42 31 00-0509	EA	20' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	14,461.53	
33 42 31 00-0510		**Type GOL-10 Concrete Drainage Inlet Structure** *(33 42 31 00-0425)*		
33 42 31 00-0511	EA	3' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,728.74	
33 42 31 00-0512	EA	4' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,172.82	
33 42 31 00-0513	EA	5' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,580.45	
33 42 31 00-0514	EA	6' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,951.61	
33 42 31 00-0515	EA	7' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,285.12	
33 42 31 00-0516	EA	8' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,580.99	
33 42 31 00-0517	EA	8' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,413.84	
33 42 31 00-0518	EA	10' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,569.30	
33 42 31 00-0519	EA	12' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,632.16	
33 42 31 00-0520	EA	14' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,602.43	
33 42 31 00-0521	EA	16' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,544.05	
33 42 31 00-0522	EA	18' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	14,405.49	
33 42 31 00-0523	EA	20' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	15,186.76	
33 42 31 00-0524		**Type G-1 Concrete Drainage Inlet Structure** *(33 42 31 00-0425)*		
33 42 31 00-0525	EA	3' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,916.31	
33 42 31 00-0526	EA	4' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,291.25	
33 42 31 00-0527	EA	5' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,638.72	
33 42 31 00-0528	EA	6' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,961.07	
33 42 31 00-0529	EA	7' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,258.29	
33 42 31 00-0530	EA	8' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,528.04	
33 42 31 00-0531		**Type G-2 Concrete Drainage Inlet Structure** *(33 42 31 00-0425)*		
33 42 31 00-0532	EA	3' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,642.48	
33 42 31 00-0533	EA	4' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,063.92	
33 42 31 00-0534	EA	5' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,455.40	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0535	EA	6' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,816.89	
33 42 31 00-0536	EA	7' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,148.41	
33 42 31 00-0537	EA	8' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,448.78	
33 42 31 00-0538	EA	8' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,023.49	
33 42 31 00-0539	EA	10' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,026.95	
33 42 31 00-0540	EA	12' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,954.69	
33 42 31 00-0541	EA	14' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,806.74	
33 42 31 00-0542	EA	16' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,627.34	
33 42 31 00-0543	EA	18' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,382.44	
33 42 31 00-0544	EA	20' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,070.89	
33 42 31 00-0545		**Type G-3 Concrete Drainage Inlet Structure** *(33 42 31 00-0425)*		
33 42 31 00-0546	EA	3' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,077.68	
33 42 31 00-0547	EA	4' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,447.41	
33 42 31 00-0548	EA	5' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,790.85	
33 42 31 00-0549	EA	6' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,109.15	
33 42 31 00-0550	EA	7' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,400.00	
33 42 31 00-0551	EA	8' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,665.72	
33 42 31 00-0552		**Type G-4_24 Concrete Drainage Inlet Structure** *(33 42 31 00-0425)*		
33 42 31 00-0553	EA	3' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,561.80	
33 42 31 00-0554	EA	4' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,985.84	
33 42 31 00-0555	EA	5' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,379.92	
33 42 31 00-0556	EA	6' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,742.84	
33 42 31 00-0557	EA	7' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,076.96	
33 42 31 00-0558	EA	8' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,379.94	
33 42 31 00-0559	EA	8' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,989.07	
33 42 31 00-0560	EA	10' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,994.41	
33 42 31 00-0561	EA	12' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,922.88	
33 42 31 00-0562	EA	14' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,775.64	
33 42 31 00-0563	EA	16' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,596.80	
33 42 31 00-0564	EA	18' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,352.50	
33 42 31 00-0565	EA	20' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,042.68	
33 42 31 00-0566		**Type G-4_18 Concrete Drainage Inlet Structure** *(33 42 31 00-0425)*		
33 42 31 00-0567	EA	3' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,642.48	
33 42 31 00-0568	EA	4' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,063.92	
33 42 31 00-0569	EA	5' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,455.40	
33 42 31 00-0570	EA	6' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,816.89	
33 42 31 00-0571	EA	7' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,148.41	
33 42 31 00-0572	EA	8' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,448.78	
33 42 31 00-0573	EA	8' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,023.49	
33 42 31 00-0574	EA	10' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,026.95	
33 42 31 00-0575	EA	12' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,954.69	
33 42 31 00-0576	EA	14' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,806.74	
33 42 31 00-0577	EA	16' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,627.34	
33 42 31 00-0578	EA	18' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,382.44	
33 42 31 00-0579	EA	20' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,070.89	
33 42 31 00-0580		**Type G-5 Concrete Drainage Inlet Structure** *(33 42 31 00-0425)*		
33 42 31 00-0581	EA	3' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,057.51	
33 42 31 00-0582	EA	4' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,427.60	
33 42 31 00-0583	EA	5' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,772.57	
33 42 31 00-0584	EA	6' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,090.07	
33 42 31 00-0585	EA	7' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,382.44	
33 42 31 00-0586	EA	8' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,648.50	
33 42 31 00-0587		**Type G-6 Concrete Drainage Inlet Structure** *(33 42 31 00-0425)*		
33 42 31 00-0588	EA	3' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,097.85	
33 42 31 00-0589	EA	4' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,467.23	
33 42 31 00-0590	EA	5' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,810.30	
33 42 31 00-0591	EA	6' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,127.08	
33 42 31 00-0592	EA	7' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,417.57	
33 42 31 00-0593	EA	8' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,682.93	
33 42 31 00-0594		**Type GT1 Concrete Drainage Inlet Structure** *(33 42 31 00-0425)*		
33 42 31 00-0595	EA	3' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,509.86	
33 42 31 00-0596	EA	4' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,087.87	
33 42 31 00-0597	EA	5' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,664.35	
33 42 31 00-0598	EA	6' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,121.10	
33 42 31 00-0599	EA	7' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,575.16	
33 42 31 00-0600	EA	8' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,989.07	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0601		**Type GT2 Concrete Drainage Inlet Structure** *(33 42 31 00-0425)*		
33 42 31 00-0602	EA	3' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,256.21	
33 42 31 00-0603	EA	4' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,885.50	
33 42 31 00-0604	EA	5' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,468.48	
33 42 31 00-0605	EA	6' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,006.31	
33 42 31 00-0606	EA	7' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,497.84	
33 42 31 00-0607	EA	8' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,944.22	
33 42 31 00-0608	EA	8' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,293.38	
33 42 31 00-0609	EA	10' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,772.80	
33 42 31 00-0610	EA	12' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,138.84	
33 42 31 00-0611	EA	14' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,392.68	
33 42 31 00-0612	EA	16' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	14,602.11	
33 42 31 00-0613	EA	18' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	15,713.33	
33 42 31 00-0614	EA	20' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	16,726.34	
33 42 31 00-0615		**Type GT3 Concrete Drainage Inlet Structure** *(33 42 31 00-0425)*		
33 42 31 00-0616	EA	3' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,489.70	
33 42 31 00-0617	EA	4' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,068.06	
33 42 31 00-0618	EA	5' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,606.28	
33 42 31 00-0619	EA	6' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,103.19	
33 42 31 00-0620	EA	7' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,557.59	
33 42 31 00-0621	EA	8' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,971.85	
33 42 31 00-0622		**Type GT4 Concrete Drainage Inlet Structure** *(33 42 31 00-0425)*		
33 42 31 00-0623	EA	3' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,397.41	
33 42 31 00-0624	EA	4' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,021.84	
33 42 31 00-0625	EA	5' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,601.15	
33 42 31 00-0626	EA	6' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,134.14	
33 42 31 00-0627	EA	7' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,621.98	
33 42 31 00-0628	EA	8' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,064.68	
33 42 31 00-0629	EA	8' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,310.58	
33 42 31 00-0630	EA	10' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,789.63	
33 42 31 00-0631	EA	12' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,155.33	
33 42 31 00-0632	EA	14' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,407.64	
33 42 31 00-0633	EA	16' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	14,616.78	
33 42 31 00-0634	EA	18' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	15,727.72	
33 42 31 00-0635	EA	20' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	16,740.45	
33 42 31 00-0636		**Type GO Concrete Drainage Inlet Structure** *(33 42 31 00-0425)*		
33 42 31 00-0637	EA	3' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,501.28	
33 42 31 00-0638	EA	4' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,907.75	
33 42 31 00-0639	EA	5' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,284.97	
33 42 31 00-0640	EA	6' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,632.94	
33 42 31 00-0641	EA	7' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,951.64	
33 42 31 00-0642	EA	8' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	4,242.25	
33 42 31 00-0643	EA	8' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	5,834.18	
33 42 31 00-0644	EA	10' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	6,807.77	
33 42 31 00-0645	EA	12' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	7,706.08	
33 42 31 00-0646	EA	14' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	8,531.40	
33 42 31 00-0647	EA	16' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	9,327.80	
33 42 31 00-0648	EA	18' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	10,058.80	
33 42 31 00-0649	EA	20' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	10,726.71	
33 42 31 00-0650		**Type GDO Concrete Drainage Inlet Structure** *(33 42 31 00-0425)*		
33 42 31 00-0651	EA	3' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,267.80	
33 42 31 00-0652	EA	4' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,802.11	
33 42 31 00-0653	EA	5' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	4,298.13	
33 42 31 00-0654	EA	6' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	4,757.04	
33 42 31 00-0655	EA	7' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	5,176.48	
33 42 31 00-0656	EA	8' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	5,558.82	
33 42 31 00-0657	EA	8' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	7,503.54	
33 42 31 00-0658	EA	10' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	8,758.38	
33 42 31 00-0659	EA	12' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	9,917.74	
33 42 31 00-0660	EA	14' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	10,982.78	
33 42 31 00-0661	EA	16' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	12,009.06	
33 42 31 00-0662	EA	18' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	12,952.58	
33 42 31 00-0663	EA	20' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	13,813.39	
33 42 31 00-0664		**Catch Basin Frames And Covers** *(33 42 31 00-0001)*		
33 42 31 00-0665		**Cast Iron Frames And Covers** *(33 42 31 00-0664)*		
33 42 31 00-0666	EA	18" Diameter Cast Iron Catch Basin Frame And Cover	1,115.80	117.38
33 42 31 00-0667	EA	22" Diameter Cast Iron Catch Basin Frame And Cover	1,420.53	132.65
33 42 31 00-0668	EA	24" Diameter Cast Iron Catch Basin Frame And Cover	1,616.28	137.34
33 42 31 00-0669	EA	26" Diameter Cast Iron Catch Basin Frame And Cover	1,824.69	159.65

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0670	EA	28" Diameter Cast Iron Catch Basin Frame And Cover	2,150.14	181.94
33 42 31 00-0671	EA	32" Diameter Cast Iron Catch Basin Frame And Cover	3,468.37	190.16
33 42 31 00-0672	EA	16" x 16" Cast Iron Catch Basin Frame And Cover	1,865.36	144.39
33 42 31 00-0673	EA	18" x 24" Cast Iron Catch Basin Frame And Cover	2,444.09	166.69
33 42 31 00-0674	EA	20" x 27" Cast Iron Catch Basin Frame And Cover	2,771.63	173.73
33 42 31 00-0675	EA	23" x 23" Cast Iron Catch Basin Frame And Cover	2,613.66	173.73
33 42 31 00-0676	EA	24" x 24" Cast Iron Catch Basin Frame And Cover	2,700.62	180.78
33 42 31 00-0677	EA	26" x 26" Cast Iron Catch Basin Frame And Cover	2,903.43	187.82
33 42 31 00-0678	EA	24" x 36" Cast Iron Catch Basin Frame And Cover	3,503.13	201.91

33 42 31 00-0679 Area Yard Drain *(33 42 31 00-0001)*

See CSI section 22 14 26 16-0001 for drains.

33 42 31 00-0680 Ductile Iron Grates *(33 42 31 00-0679)*

Note: Not for traffic loading.

33 42 31 00-0681	EA	8" Diameter Ductile Iron Grate Adapter Necks Down To 4" and 6" Diameter Pipe	168.31	39.83
33 42 31 00-0682	EA	10" Diameter Ductile Iron Grate Adapters To 4", 6", or 8" Diameter Pipe	206.25	42.49
33 42 31 00-0683	EA	12" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe	479.28	53.11
33 42 31 00-0684	EA	15" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe	572.69	63.73

33 42 33 Stormwater Curbside Drains and Inlets *(33 42)*

33 42 33 00-0001 Curb Inlet Frames And Covers *(33 42 33)*

33 42 33 00-0002 Cast Iron Curb Inlet Frames And Covers *(33 42 33 00-0001)*

33 42 33 00-0003	EA	20" x 22" Cast Iron Curb Inlet Frame And Cover	2,341.53	137.34
33 42 33 00-0004	EA	22" x 24" Cast Iron Curb Inlet Frame And Cover	2,501.87	159.65
33 42 33 00-0005	EA	24" x 24" Cast Iron Curb Inlet Frame And Cover	2,605.36	159.65
33 42 33 00-0006	EA	27" x 27" Cast Iron Curb Inlet Frame And Cover	2,852.59	187.82
33 42 33 00-0007	EA	36" x 24" Cast Iron Curb Inlet Frame And Cover	2,816.92	200.73

33 42 36 Stormwater Trench Drains *(33 42)*

33 42 36 00-0001 Modular Trench Drains *(33 42 36)*

See CSI section 03 31 13 00-0011 for concrete.

33 42 36 00-0002 Modular Trench Drains *(33 42 36 00-0001)*

Note: Excludes grates. See CSI section 33 42 36 00-0120 for grates.

33 42 36 00-0003 4" Wide, Modular Trench Drains *(33 42 36 00-0002)*

33 42 36 00-0004 4 Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drains *(33 42 36 00-0003)*

33 42 36 00-0005 4 Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drains *(33 42 36 00-0004)*

33 42 36 00-0006	LF	4" Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drain (Zurn Z844-C)	71.84	18.78
		For Extra Heavy-Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	*109.19*	
		For Galvanized Extra Heavy-Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	*218.38*	
		For Stainless Steel Extra Heavy-Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	*349.41*	
		For Type 304 Stainless Steel Top Veneer Frame, Add	*87.35*	
		For Aluminum Veneer Bronze Anodized Frame, Add	*43.68*	

33 42 36 00-0007 Outlet Adapters For 4 Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drains *(33 42 36 00-0004)*

33 42 36 00-0008	EA	Closed End Cap For 4" Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drain	54.45	
33 42 36 00-0009	EA	No-Hub End Outlet For 4" Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drain	66.19	
33 42 36 00-0010	EA	No-Hub Bottom Outlet For 4" Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drain	66.19	

33 42 36 00-0011 6" Wide, Modular Trench Drains *(33 42 36 00-0002)*

33 42 36 00-0012 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains *(33 42 36 00-0011)*

33 42 36 00-0013 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains *(33 42 36 00-0012)*

33 42 36 00-0014	LF	6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drain	224.35	18.78
		For Extra Heavy-Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	*109.19*	
		For Galvanized Extra Heavy-Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	*218.38*	
		For Stainless Steel Extra Heavy-Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	*349.41*	
		For Type 304 Stainless Steel Top Veneer Frame, Add	*87.35*	
		For Aluminum Veneer Bronze Anodized Frame, Add	*43.68*	

33 42 36 00-0015 Outlet Adapters For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains *(33 42 36 00-0012)*

33 42 36 00-0016	EA	Closed End Cap For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	102.09	
33 42 36 00-0017	EA	No-Hub End Outlet For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	113.83	
33 42 36 00-0018	EA	No-Hub Bottom Outlet For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	113.83	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0019		Other Fittings For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains *(33 42 36 00-0012)*		
33 42 36 00-0020	EA	Bottom Dome Strainer For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	196.68	
33 42 36 00-0021	EA	Joint Connector For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	196.68	
33 42 36 00-0022	EA	90 Degree, 45 Degree, Tee Or Side Outlet Charge For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	932.22	
33 42 36 00-0023	EA	Cross For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	1,805.74	
33 42 36 00-0024	EA	Cutting Charge For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	218.38	
33 42 36 00-0025		6" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0011)*		
33 42 36 00-0026		6" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0025)*		
33 42 36 00-0027	LF	6" Wide, Fiber Reinforced Polyester, Modular Trench Drain	326.99	18.78
		For Black Acid Resistant Coated Frame, Add	*82.98*	
		For Galvanized Top Frame Assembly, Add	*82.98*	
		For Type 304 Stainless Steel Top Frame Assembly, Add	*305.73*	
33 42 36 00-0028		Outlet Adapters For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0025)*		
33 42 36 00-0029	EA	Closed End Cap For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	110.82	
33 42 36 00-0030	EA	No-Hub End Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	122.56	
33 42 36 00-0031	EA	No-Hub Bottom Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	122.56	
33 42 36 00-0032		Other Fittings For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0025)*		
33 42 36 00-0033	EA	Bottom Dome Strainer For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	196.68	
33 42 36 00-0034	EA	Joint Connector For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	196.68	
33 42 36 00-0035	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	932.22	
33 42 36 00-0036	EA	Cross For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	1,805.74	
33 42 36 00-0037	EA	Cutting Charge For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	218.38	
33 42 36 00-0038		6" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0011)*		
33 42 36 00-0039		6" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0038)*		
33 42 36 00-0040	LF	6" Wide, Vinylester Fiberglass, Modular Trench Drain	423.08	18.78
		For Black Acid Resistant Coated Frame, Add	*82.98*	
		For Galvanized Top Frame Assembly, Add	*82.98*	
		For Type 304 Stainless Steel Top Frame Assembly, Add	*305.73*	
33 42 36 00-0041		Outlet Adapters For 6" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0038)*		
33 42 36 00-0042	EA	Closed End Cap For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	180.70	
33 42 36 00-0043	EA	No-Hub End Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	192.44	
33 42 36 00-0044	EA	No-Hub Bottom Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	192.44	
33 42 36 00-0045		Other Fittings For 6" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0038)*		
33 42 36 00-0046	EA	Bottom Dome Strainer For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	196.68	
33 42 36 00-0047	EA	Joint Connector For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	196.68	
33 42 36 00-0048	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	932.22	
33 42 36 00-0049	EA	Cross For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	1,805.74	
33 42 36 00-0050	EA	Cutting Charge For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	218.38	
33 42 36 00-0051		6" Wide, Polymer Concrete, Modular Trench Drains *(33 42 36 00-0011)*		
33 42 36 00-0052		6" Wide, Polymer Concrete, Modular Trench Drains *(33 42 36 00-0051)*		
33 42 36 00-0053	LF	6" Wide, Polymer Concrete, Modular Trench Drain	494.33	
33 42 36 00-0054		Outlet Adapters For 6" Wide, Polymer Concrete, Modular Trench Drains *(33 42 36 00-0051)*		
33 42 36 00-0055	EA	Closed End Cap For 6" Wide, Polymer Concrete, Modular Trench Drain	196.10	
33 42 36 00-0056	EA	No-Hub End Outlet For 6" Wide, Polymer Concrete, Modular Trench Drain	239.00	
33 42 36 00-0057	EA	No-Hub Bottom Outlet For 6" Wide, Polymer Concrete, Modular Trench Drain	75.97	
33 42 36 00-0058		6" Wide, Stainless Steel, Modular Trench Drains *(33 42 36 00-0011)* Note: with temper-proof fasteners		
33 42 36 00-0059	LF	6" Wide, Stainless Steel, Modular Trench Drain (JR Smith SP-S9660-10)	1,105.03	
33 42 36 00-0060		12" Wide, Modular Trench Drains *(33 42 36 00-0002)*		

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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0061		12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains *(33 42 36 00-0060)*		
33 42 36 00-0062		12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains *(33 42 36 00-0061)*		
33 42 36 00-0063	LF	12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drain	422.90	25.83
		For Acid Resistant Coated Top Frame, Add	*113.56*	
		For Galvanized Welded Frame Assembly, Add	*119.02*	
		For Type 304 Stainless Steel Top Frame, Add	*681.35*	
33 42 36 00-0064		Outlet Adapters For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains *(33 42 36 00-0061)*		
33 42 36 00-0065	EA	End Cap For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	210.38	
33 42 36 00-0066	EA	No-Hub End Outlet For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	226.03	
33 42 36 00-0067	EA	No-Hub Bottom Outlet For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	226.03	
33 42 36 00-0068		Other Fittings For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains *(33 42 36 00-0061)*		
33 42 36 00-0069	EA	Bottom Dome Strainer For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	351.65	
33 42 36 00-0070	EA	Joint Connector For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	460.84	
33 42 36 00-0071	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	1,837.33	
33 42 36 00-0072	EA	Cross For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	3,584.37	
33 42 36 00-0073	EA	Cutting Charges For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	436.76	
33 42 36 00-0074		12" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0060)*		
33 42 36 00-0075		12" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0074)*		
33 42 36 00-0076	LF	12" Wide, Fiber Reinforced Polyester, Modular Trench Drain	532.09	25.83
		For Acid Resistant Coated Top Frame, Add	*113.56*	
		For Galvanized Welded Frame Assembly, Add	*119.02*	
		For Type 304 Stainless Steel Top Frame, Add	*681.35*	
33 42 36 00-0077		Outlet Adapters For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0074)*		
33 42 36 00-0078	EA	End Cap For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	219.12	
33 42 36 00-0079	EA	No-Hub End Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	234.77	
33 42 36 00-0080	EA	No-Hub Bottom Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	234.77	
33 42 36 00-0081		Other Fittings For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0074)*		
33 42 36 00-0082	EA	Bottom Dome Strainer For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	351.65	
33 42 36 00-0083	EA	Joint Connector For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	460.84	
33 42 36 00-0084	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	1,837.33	
33 42 36 00-0085	EA	Cross For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	3,584.37	
33 42 36 00-0086	EA	Cutting Charges For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	436.76	
33 42 36 00-0087		12" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0060)*		
33 42 36 00-0088		12" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0087)*		
33 42 36 00-0089	LF	12" Wide, Vinylester Fiberglass, Modular Trench Drain	750.47	25.83
		For Acid Resistant Coated Top Frame, Add	*113.56*	
		For Galvanized Welded Frame Assembly, Add	*119.02*	
		For Type 304 Stainless Steel Top Frame, Add	*681.35*	
33 42 36 00-0090		Outlet Adapters For 12" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0087)*		
33 42 36 00-0091	EA	End Cap For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	546.69	
33 42 36 00-0092	EA	No-Hub End Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	562.34	
33 42 36 00-0093	EA	No-Hub Bottom Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	562.34	
33 42 36 00-0094		Other Fittings For 12" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0087)*		
33 42 36 00-0095	EA	Bottom Dome Strainer For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	351.65	
33 42 36 00-0096	EA	Joint Connector For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	460.84	
33 42 36 00-0097	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	1,837.33	
33 42 36 00-0098	EA	Cross For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	3,584.37	
33 42 36 00-0099	EA	Cutting Charges For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	436.76	
33 42 36 00-0100		12" Wide, Polymer Concrete, Modular Trench Drains *(33 42 36 00-0060)*		
33 42 36 00-0101		12" Wide, Polymer Concrete, Modular Trench Drains *(33 42 36 00-0100)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0102	LF	12" Wide, Polymer Concrete, Modular Trench Drain	663.01	
33 42 36 00-0103		**Outlet Adapters For 12" Wide, Polymer Concrete, Modular Trench Drains** *(33 42 36 00-0100)*		
33 42 36 00-0104	EA	Closed End Cap For 12" Wide, Polymer Concrete, Modular Trench Drain	333.47	
33 42 36 00-0105	EA	No-Hub End Outlet For 12" Wide, Polymer Concrete, Modular Trench Drain	574.46	
33 42 36 00-0106	EA	No-Hub Bottom Outlet For 12" Wide, Polymer Concrete, Modular Trench Drain	133.17	
33 42 36 00-0107		**23" Wide, Modular Trench Drains** *(33 42 36 00-0002)*		
33 42 36 00-0108		**23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains** *(33 42 36 00-0107)*		
33 42 36 00-0109		**23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains** *(33 42 36 00-0108)*		
33 42 36 00-0110	LF	23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drain	592.97	35.21
		For Acid Resistant Coated Frame, Add	*170.34*	
		For Galvanized Frame Assembly, Add	*170.34*	
		For Type 304 Stainless Steel Top Frame, Add	*1,048.22*	
33 42 36 00-0111		**Outlet Adapters For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains** *(33 42 36 00-0108)*		
33 42 36 00-0112	EA	End Cap For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	670.67	
33 42 36 00-0113	EA	No-Hub End Outlet For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	977.86	
33 42 36 00-0114	EA	No-Hub Bottom Outlet For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	977.86	
33 42 36 00-0115		**Other Fittings For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains** *(33 42 36 00-0108)*		
33 42 36 00-0116	EA	Bottom Dome Strainer For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	799.54	
33 42 36 00-0117	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	3,640.80	
33 42 36 00-0118	EA	Cross For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	7,134.88	
33 42 36 00-0119	EA	Cutting Charges For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	873.52	
33 42 36 00-0120		**Modular Trench Drain Grates** *(33 42 36 00-0001)*		
33 42 36 00-0121		**4" Wide, Modular Trench Drain Grates** *(33 42 36 00-0120)*		
33 42 36 00-0122	LF	4" Wide, Polypropylene, Silver Heel Proof, Modular Trench Drain Grate (Zurn Z884-P4-HPP)	45.37	3.52
33 42 36 00-0123	LF	4" Wide, Class C Cast Iron, Modular Trench Drain Grate (Zurn Z884-P4-CG)	47.70	3.52
33 42 36 00-0124	LF	4" Wide, Galvanized Steel Slotted, Modular Trench Drain Grate (Zurn Z884-P4-FG)	38.40	3.52
33 42 36 00-0125	LF	4" Wide, Stainless Steel Slotted, Modular Trench Drain Grate (Zurn Z884-P4-FS)	102.31	3.52
33 42 36 00-0126	LF	4" Wide, Galvanized Steel Perforated, Modular Trench Drain Grate (Zurn Z884-P4-FG)	38.40	3.52
33 42 36 00-0127	LF	4" Wide, Stainless Steel Perforated, Modular Trench Drain Grate (Zurn Z884-P4-FS)	102.31	3.52
33 42 36 00-0128		**6" Wide, Modular Trench Drain Grates** *(33 42 36 00-0120)*		
33 42 36 00-0129	LF	6" Wide, Galvanized Ductile Iron Cast Bar, Modular Trench Drain Grate	215.51	3.52
33 42 36 00-0130	LF	6" Wide, Ductile Iron Cast Bar, Modular Trench Drain Grate	182.54	3.52
33 42 36 00-0131	LF	6" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate	191.71	3.52
33 42 36 00-0132	LF	6" Wide, Ductile Iron Slotted, Modular Trench Drain Grate	167.47	3.52
33 42 36 00-0133	LF	6" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate	180.57	3.52
33 42 36 00-0134	LF	6" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate	182.76	3.52
33 42 36 00-0135	LF	6" Wide, Ductile Iron Longitudinal Slotted, Modular Trench Drain Grate	182.76	3.52
33 42 36 00-0136	LF	6" Wide, Galvanized Cast Iron Slotted, Modular Trench Drain Grate	180.57	3.52
33 42 36 00-0137	LF	6" Wide, Galvanized Steel Slotted, Modular Trench Drain Grate	158.74	3.52
33 42 36 00-0138	LF	6" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate	158.74	3.52
33 42 36 00-0139	LF	6" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate	168.78	3.52
33 42 36 00-0140	LF	6" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate	168.78	3.52
33 42 36 00-0141	LF	6" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate	219.88	3.52
33 42 36 00-0142	LF	6" Wide, Perforated Stainless Steel, Modular Trench Drain Grate	219.88	3.52
33 42 36 00-0143	LF	6" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate	403.32	3.52
33 42 36 00-0144	LF	6" Wide, Reinforced Perforated Stainless Steel, Modular Trench Drain Grate	403.32	3.52
33 42 36 00-0145	LF	6" Wide, Stainless Steel Bar, Modular Trench Drain Grate	1,123.98	3.52
33 42 36 00-0146	LF	6" Wide, Heel Proof Polyethylene, Modular Trench Drain Grate	150.00	3.52
33 42 36 00-0147	LF	6" Wide, Fiberglass, Modular Trench Drain Grate	324.70	3.52
33 42 36 00-0148		**12" Wide, Modular Trench Drain Grates** *(33 42 36 00-0120)*		
33 42 36 00-0149	LF	12" Wide, Black Acid Resistant Coated Ductile Iron, Modular Trench Drain Grate	596.09	3.82
33 42 36 00-0150	LF	12" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate	569.88	3.82
33 42 36 00-0151	LF	12" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate	495.63	3.82
33 42 36 00-0152	LF	12" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate	520.74	3.82
33 42 36 00-0153	LF	12" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate	449.77	3.82
33 42 36 00-0154	LF	12" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate	881.07	3.82
33 42 36 00-0155	LF	12" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate	881.07	3.82
33 42 36 00-0156	LF	12" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate	1,124.57	3.82
33 42 36 00-0157	LF	12" Wide, Perforated Stainless Steel, Modular Trench Drain Grate	1,124.57	3.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0158	LF	12" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate	1,435.76	3.82
33 42 36 00-0159	LF	12" Wide, Reinforced Perforated Stainless Steel Slotted, Modular Trench Drain Grate	1,435.76	3.82
33 42 36 00-0160	LF	12" Wide, Stainless Steel Cast Bar, Modular Trench Drain Grate	1,362.60	3.82
33 42 36 00-0161	LF	12" Wide, Fiberglass, Modular Trench Drain Grate	643.04	3.82
33 42 36 00-0162		23" Wide, Modular Trench Drain Grates *(33 42 36 00-0120)*		
33 42 36 00-0163	LF	23" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate	941.71	4.10
33 42 36 00-0164	LF	23" Wide, Ductile Iron Slotted, Modular Trench Drain Grate	793.21	4.10
33 42 36 00-0165	LF	23" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate	1,229.97	4.10
33 42 36 00-0166	LF	23" Wide, Heel Proof Longitudinal Ductile Iron, Modular Trench Drain Grate	911.13	4.10

33 44 Storm Utility Water Drains *(33 40)*

33 44 36 Oil and Stormwater Separators *(33 44)*

33 44 36 00-0001 Oil/Water Separator *(33 44 36)*

Note: Complete with internal sensors and detectors.

33 44 36 00-0002 Coalescing Oil Water Separator *(33 44 36 00-0001)*

Note: Underground tank with interior polyurethane coating. Includes manways, coalescer, inlet and outlet spools, pump mount, 2" level sensor pipe and 4" pump out pipe. HighGuard as manufactured by Highland Tank, Stoystown, PA.

33 44 36 00-0003 Single Wall Steel Coalescing Oil Water Separator *(33 44 36 00-0002)*

33 44 36 00-0004	EA	550 Gallon, 55 GPM Single Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank.	19,595.79
		For Interior Polyurethane Coating, Add	*711.00*
33 44 36 00-0005	EA	1,000 Gallon, 100 GPM Single Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 1000. 4' diameter x 14' long tank.	23,970.99
		For Interior Polyurethane Coating, Add	*893.70*
33 44 36 00-0006	EA	2,000 Gallon, 200 GPM Single Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 2000. 5'-4" diameter x 15' long tank.	28,701.29
		For Interior Polyurethane Coating, Add	*1,340.10*

33 44 36 00-0007 Double Wall Steel Coalescing Oil Water Separator *(33 44 36 00-0002)*

33 44 36 00-0008	EA	550 Gallon, 55 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank.	30,425.12
		For Interior Polyurethane Coating, Add	*711.00*
33 44 36 00-0009	EA	1,000 Gallon, 100 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 1000. 4' diameter x 14' long tank.	34,991.03
		For Interior Polyurethane Coating, Add	*893.70*
33 44 36 00-0010	EA	2,000 Gallon, 200 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 2000. 5'-4" diameter x 15' long tank.	42,725.95
		For Interior Polyurethane Coating, Add	*1,340.10*
33 44 36 00-0011	EA	3,000 Gallon, 300 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 3000. 5'-4" diameter x 21'-4" long tank.	49,725.89
		For Interior Polyurethane Coating, Add	*1,550.70*
33 44 36 00-0012	EA	5,000 Gallon, 500 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 5000. 6' diameter x 28'-8" long tank.	66,010.71
		For Interior Polyurethane Coating, Add	*2,057.80*

33 44 36 00-0013 Accessories For Coalescing Oil Water Separators *(33 44 36 00-0002)*

33 44 36 00-0014	EA	Single Channel Alarm Panel For Coalescing Oil Water Separator Note: HTAP1.	1,216.12
33 44 36 00-0015	EA	Two Channel Alarm Panel For Coalescing Oil Water Separator Note: HTAP2.	1,654.03
33 44 36 00-0016	EA	Float Interface Sensor For Coalescing Oil Water Separator Note: Required for UL 2215 label.	982.94
33 44 36 00-0017	EA	1-1/2" Liquid Only Sensor For Coalescing Oil Water Separator Note: Required for UL 2215 label.	725.88
33 44 36 00-0018	EA	Polyvinyl Chloride (PVC) Cap For 2" Sensor For Coalescing Oil Water Separator Note: Required for UL 2215 label.	243.89
33 44 36 00-0019	EA	550, 1,000 Or 2,000 Gallon Tank Concrete Deadmen Set (2 Each) For Coalescing Oil Water Separator	4,153.77
33 44 36 00-0020	EA	3,000 Gallon Tank Concrete Deadmen Set (4 Each) For Coalescing Oil Water Separator	8,307.53
33 44 36 00-0021	EA	5,000 Gallon Tank Concrete Deadmen Set (6 Each) For Coalescing Oil Water Separator	12,461.38
33 44 36 00-0022	EA	550 Or 1,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	744.90
33 44 36 00-0023	EA	2,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	882.00
33 44 36 00-0024	EA	3,000 Gallon Tank Polyester Hold Down Straps (4 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	1,764.01
33 44 36 00-0025	EA	5,000 Gallon Tank Polyester Hold Down Straps (6 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	3,931.33
33 44 36 00-0026	EA	30" Diameter Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	1,066.23
33 44 36 00-0027	EA	36" Diameter Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	1,391.77
33 44 36 00-0028	EA	48" Diameter Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	1,931.52

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 36 00-0029	EA	54" x 54" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	3,533.88	
33 44 36 00-0030	EA	66" x 54" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	4,549.27	
33 44 36 00-0031	EA	66" x 66" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	5,714.61	
33 44 36 00-0032	EA	78" x 66" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	7,209.86	
33 44 36 00-0033	EA	550 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	1,428.83	
33 44 36 00-0034	EA	1,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	1,741.59	
33 44 36 00-0035	EA	2,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	2,735.56	
33 44 36 00-0036	EA	550 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	1,362.43	
33 44 36 00-0037	EA	1,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	1,653.76	
33 44 36 00-0038	EA	2,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	1,962.24	
33 44 36 00-0039	EA	18" Manhole Gasket (Material Only) For Coalescing Oil Water Separator	115.68	
33 44 36 00-0040	EA	24" Manhole Gasket (Material Only) For Coalescing Oil Water Separator	130.67	

33 44 36 00-0041 Oil Skimmers *(33 44 36)*

33 44 36 00-0042 Oil Skimmers, 12" And 24" Models *(33 44 36 00-0041)*

33 44 36 00-0043	EA	Oil Skimmers, TENV, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase	5,142.82	646.85
33 44 36 00-0044	EA	Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase	5,378.62	646.85
33 44 36 00-0045	EA	Oil Skimmers, TENV, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase	5,164.66	646.85
33 44 36 00-0046	EA	Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase	5,467.04	646.85
33 44 36 00-0047	EA	Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	5,412.46	646.85
33 44 36 00-0048	EA	Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	5,612.23	646.85
33 44 36 00-0049	EA	Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	5,463.76	646.85
33 44 36 00-0050	EA	Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	5,765.06	646.85
33 44 36 00-0051	EA	Oil Skimmers, TENV, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase	5,827.58	862.65
33 44 36 00-0052	EA	Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase	6,079.75	862.65
33 44 36 00-0053	EA	Oil Skimmers, TENV, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase	5,894.17	862.65
33 44 36 00-0054	EA	Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase	6,256.60	862.65
33 44 36 00-0055	EA	Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	6,465.10	862.65
33 44 36 00-0056	EA	Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	6,717.27	862.65
33 44 36 00-0057	EA	Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	6,518.59	862.65
33 44 36 00-0058	EA	Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	6,882.11	862.65

33 44 36 00-0059 Oil Skimmers, Add-Ons *(33 44 36 00-0041)*

33 44 36 00-0060	LF	Add For Belt Projection, 12" Width	16.37
33 44 36 00-0061	LF	Add For Belt Projection, 24" Width	30.57
33 44 36 00-0062	LF	Add For Spacer Stands, 12" Models	269.35
33 44 36 00-0063	LF	Add For Spacer Stands, 24" Models	317.38

33 46 Stormwater Management *(33 40)*

33 46 23 Modular Buried Stormwater Storage Units *(33 46)*

33 46 23 00-0001 Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™) *(33 46 23)*

Note: Includes chambers and end caps delivery to site. Excludes excavation and earthwork, foundation stone, embedment and perimeter stone, geotextile fabrics and cutting holes in chambers. See CSI section 31 05 16 00-0000 for aggregate (foundation, embedment and perimeter stone), 31 23 16 36-0000 for excavation and earth backfill, 31 32 19 16-0000 for woven and non-woven geotextile fabric.

33 46 23 00-0002 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310) *(33 46 23 00-0001)*

33 46 23 00-0003	EA	Up To 10, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310)	336.47
33 46 23 00-0004	EA	>10 To 20, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310)	308.94
33 46 23 00-0005	EA	>20 To 30, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310)	289.48
33 46 23 00-0006	EA	>30, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310)	271.61
33 46 23 00-0007	EA	Up To 10, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310)	188.54
33 46 23 00-0008	EA	>10 To 20, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310)	168.40
33 46 23 00-0009	EA	>20 To 30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310)	155.94
33 46 23 00-0010	EA	>30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310)	144.75

33 46 23 00-0011 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740) *(33 46 23 00-0001)*

33 46 23 00-0012	EA	Up To 10, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740)	596.47
33 46 23 00-0013	EA	>10 To 20, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740)	551.61
33 46 23 00-0014	EA	>20 To 30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740)	518.68

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 46 23 00-0015	EA	>30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740)	486.84	
33 46 23 00-0016	EA	Up To 10, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740)	242.02	
33 46 23 00-0017	EA	>10 To 20, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740)	214.88	
33 46 23 00-0018	EA	>20 To 30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740)	198.79	
33 46 23 00-0019	EA	>30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740)	182.95	
33 46 23 00-0020		90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500) *(33 46 23 00-0001)*		
33 46 23 00-0021	EA	Up To 10, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500)	1,021.78	
33 46 23 00-0022	EA	>10 To 20, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500)	953.80	
33 46 23 00-0023	EA	>20 To 30, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500)	898.72	
33 46 23 00-0024	EA	>30, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500)	848.43	
33 46 23 00-0025	EA	Up To 10, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500)	858.72	
33 46 23 00-0026	EA	>10 To 20, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500)	798.87	
33 46 23 00-0027	EA	>20 To 30, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500)	751.55	
33 46 23 00-0028	EA	>30, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500)	708.61	
33 46 23 00-0029		85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780) *(33 46 23 00-0001)*		
33 46 23 00-0030	EA	Up To 10, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780)	619.85	
33 46 23 00-0031	EA	>10 To 20, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780)	573.84	
33 46 23 00-0032	EA	>20 To 30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780)	539.79	
33 46 23 00-0033	EA	>30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780)	506.88	
33 46 23 00-0034	EA	Up To 10, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780)	242.02	
33 46 23 00-0035	EA	>10 To 20, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780)	210.46	
33 46 23 00-0036	EA	>20 To 30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780)	198.79	
33 46 23 00-0037	EA	>30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780)	182.95	
33 46 23 00-0038		52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500) *(33 46 23 00-0001)*		
33 46 23 00-0039	EA	Up To 10, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500)	1,061.24	
33 46 23 00-0040	EA	>10 To 20, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500)	989.42	
33 46 23 00-0041	EA	>20 To 30, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500)	930.55	
33 46 23 00-0042	EA	>30, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500)	879.19	
33 46 23 00-0043	EA	Up To 10, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500)	1,325.24	
33 46 23 00-0044	EA	>10 To 20, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500)	1,240.21	
33 46 23 00-0045	EA	>20 To 30, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500)	1,168.81	
33 46 23 00-0046	EA	>30, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500)	1,105.54	
33 46 23 00-0047		Cut Opening In Polypropylene Corrugated Wall Stormwater Collection Chambers *(33 46 23 00-0001)*		
33 46 23 00-0048	EA	Cut >6" To 12" Diameter Opening, Polypropylene Corrugated Wall Stormwater Collection Chamber Or End Cap	77.18	
33 46 23 00-0049	EA	Cut >12" To 24" Diameter Opening, Polypropylene Corrugated Wall Stormwater Collection Chamber Or End Cap	100.95	
33 46 23 00-0050	EA	Cut >24" To 36" Diameter Opening, Polypropylene Corrugated Wall Stormwater Collection Chamber Or End Cap	127.52	
33 46 23 00-0051	EA	12" x 6" Inspection Port Kit Note: (2712AG6IPKIT)	754.48	
33 46 23 00-0052	EA	Cut Up To 6" Diameter Opening, Polypropylene Corrugated Wall Stormwater Collection Chamber Or End Cap	60.86	
33 46 23 00-0053		Steel Reinforced Polyethylene (SRPE) Pipe Stormwater Detention System (DuroMaxx®) *(33 46 23)* Note: Includes delivery to site, cutting, welding, bracing and placement in excavated area. Excludes excavation and earthwork, foundation stone, embedment and perimeter stone, and geotextile fabrics. See CSI section 31 05 16 00-0000 for aggregate (foundation, embedment and perimeter stone), 31 23 16 36-0000 for excavation and earth backfill, 31 32 19 16-0000 for woven and non-woven geotextile fabric.		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 46 23 00-0054	EA	120" Diameter x 25' Long, Steel Reinforced Polyethylene (SRPE) Stormwater Detention Pipe Note: Includes two bulkheads, one 36" riser, 12" stub.	64,730.06	

33 46 23 00-0055 Steel Reinforced Polyethylene (SRPE) Pipe Stormwater Detention System (DuroMaxx®) *(33 46 23)*

Note: Includes delivery to site, cutting, welding, bracing and placement in excavated area. Excludes excavation and earthwork, foundation stone, embedment and perimeter stone, and geotextile fabrics. See CSI section 31 05 16 00-0000 for aggregate (foundation, embedment and perimeter stone), 31 23 16 36-0000 for excavation and earth backfill, 31 32 19 16-0000 for woven and non-woven geotextile fabric.

33 46 23 00-0056	EA	54" Diameter x 100' Long x 5 Sections, Steel Reinforced Polyethylene (SRPE) Stormwater Detention Pipe System Note: Includes fabircated manifold, five bulkheads, five 36" riser, 12" stub and 18" stubs. DuroMaxx Welded Coupler (WC) joints and air testing of the system upon completion of joint welding	421,267.84	
33 46 23 00-0057	EA	54" Diameter x 160' Long x 5 Sections, Steel Reinforced Polyethylene (SRPE) Stormwater Detention Pipe System Note: Includes fabircated manifold, five bulkheads, five 36" riser, 12" stub and 18" stubs. DuroMaxx Welded Coupler (WC) joints and air testing of the system upon completion of joint welding	570,396.43	

33 46 53 Stormwater Leaching Pits *(33 46)*

33 46 53 00-0001 Drainage Wells *(33 46 53)*

Note: Includes augering hole.

33 46 53 00-0002	LF	12" Diameter Drainage Well With Corrugated Metal Liner	34.40	
33 46 53 00-0003	LF	18" Diameter Drainage Well With Corrugated Metal Liner	42.15	
33 46 53 00-0004	LF	24" Diameter Drainage Well With Corrugated Metal Liner	56.61	

33 46 53 00-0005 Drywell Drainage System (MaxWell®) *(33 46 53)*

33 46 53 00-0006	EA	MaxWell® Type IV Drainage System - Complete Note: Includes 40' estimated overall depth, 25' deep settling basin, 6" diameter drainage component, Washed Rock Backfill, 30" diameter cover, PureFlo® Debris Shield, FloFast® Drainage Screen and Hydrophobic Absorbent Pillow.	31,400.00	
33 46 53 00-0007	EA	MaxWell® Plus Drainage System - Complete Note: MaxWell® Type IV Drywell includes 40' estimated overall depth, 25' deep settling chamber, 6" diameter drainage component, 30" diameter cover. Primary Settling Chamber includes: 25' overall depth, 10 LF – 4" diameter connecting pipes from primary settling chambers to MaxWell® @ 5' invert, 30" diameter grates.	49,200.00	

33 50 Hydrocarbon Utilities *(33)*

33 52 Hydrocarbon Transmission and Distribution *(33 50)*

33 52 16 Gas Hydrocarbon Piping *(33 52)*

33 52 16 13 Steel Natural Gas Piping *(33 52 16)*

See CSI section 23 05 23 00-0000 for gas valves.

33 52 16 13-0001 Gas Distribution Lines *(33 52 16 13)*

Note: Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 52 16 13-0002 Steel, Schedule 40, Plain End, Coal Tar Enamel And Wrapped *(33 52 16 13-0001)*

33 52 16 13-0003	LF	1/2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	24.01	2.96
33 52 16 13-0004	LF	3/4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	27.95	3.25
33 52 16 13-0005	LF	1" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	32.65	3.34
33 52 16 13-0006	LF	1-1/4" (3.2 cm) Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	33.49	3.42
33 52 16 13-0007	LF	1-1/2" (3.6 cm) Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	34.90	3.47
33 52 16 13-0008	LF	2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	36.90	3.72
33 52 16 13-0009	LF	2-1/2" (6.0 cm) Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	53.13	4.48
33 52 16 13-0010	LF	3" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	66.13	5.66
33 52 16 13-0011	LF	4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	90.39	6.83
33 52 16 13-0012	LF	5" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	124.20	7.92
33 52 16 13-0013	LF	6" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	156.61	9.68
33 52 16 13-0014	LF	8" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	230.57	12.44

33 52 16 13-0015 Gas Line Taps *(33 52 16 13-0001)*

Note: Includes material to tap into main and gas valve.

33 52 16 13-0016 Polyethylene, 60 PSI *(33 52 16 13-0015)*

33 52 16 13-0017	EA	2" Polyethylene Hot Tap, With Valve	3,541.53	
33 52 16 13-0018	EA	2-1/2" Polyethylene Hot Tap, With Valve	3,683.86	
33 52 16 13-0019	EA	3" Polyethylene Hot Tap, With Valve	3,854.73	
33 52 16 13-0020	EA	4" Polyethylene Hot Tap, With Valve	6,159.39	
33 52 16 13-0021	EA	6" Polyethylene Hot Tap, With Valve	9,624.59	

33 52 16 13-0022 Steel, Schedule 40 *(33 52 16 13-0015)*

Note: For punch steel service tee.

33 52 16 13-0023	EA	1/2" Iron Pipe Size Weld Base, 1/2" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	3,214.41	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 52 16 13-0024	EA	3/4" Iron Pipe Size Weld Base, 1/2" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	3,268.96	
33 52 16 13-0025	EA	3/4" Iron Pipe Size Weld Base, 3/4" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	3,340.98	
33 52 16 13-0026	EA	3/4" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	3,410.98	
33 52 16 13-0027	EA	1" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	3,465.37	
33 52 16 13-0028	EA	1-1/4" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Value Steel Service Tee	3,776.05	
33 52 16 13-0029	EA	1-1/4" Iron Pipe Size Weld Base, 1-1/4" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	3,868.06	
33 52 16 13-0030		**Protective Pipe And Fitting Wrap** *(33 52 16 13-0001)* Note: Includes cleaning and priming pipe.		
33 52 16 13-0031		**Corrosion Protection Pipe Wrap For Pipe** *(33 52 16 13-0030)* Note: Field applied.		
33 52 16 13-0032	LF	1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	3.82	
33 52 16 13-0033	LF	3/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	4.00	
33 52 16 13-0034	LF	1" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	4.22	
33 52 16 13-0035	LF	1-1/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	4.75	
33 52 16 13-0036	LF	1-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	5.07	
33 52 16 13-0037	LF	2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	5.83	
33 52 16 13-0038	LF	2-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	7.14	
33 52 16 13-0039	LF	3" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	8.89	
33 52 16 13-0040	LF	4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	11.25	
33 52 16 13-0041	LF	6" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	15.00	
33 52 16 13-0042		**Corrosion Resistance Wrap And Coat - Fittings** *(33 52 16 13-0030)* Note: Field applied.		
33 52 16 13-0043	EA	1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	20.21	
33 52 16 13-0044	EA	3/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	20.21	
33 52 16 13-0045	EA	1" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	24.89	
33 52 16 13-0046	EA	1-1/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	28.16	
33 52 16 13-0047	EA	1-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	28.16	
33 52 16 13-0048	EA	2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	33.35	
33 52 16 13-0049	EA	2-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	44.46	
33 52 16 13-0050	EA	3" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	61.65	
33 52 16 13-0051	EA	4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	62.48	
33 52 16 13-0052	EA	6" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	72.05	
33 52 16 13-0053		**Service Fittings** *(33 52 16 13-0001)*		
33 52 16 13-0054		**Brass Fittings** *(33 52 16 13-0053)*		
33 52 16 13-0055	EA	1/2" X 2" Long Nipples, Threaded Both Ends, Brass	40.03	
33 52 16 13-0056	EA	3/4" X 2" Long Nipples, Threaded Both Ends, Brass	46.72	
33 52 16 13-0057	EA	1" X 2" Long Nipples, Threaded Both Ends, Brass	59.59	
33 52 16 13-0058	EA	1-1/4" X 2" Long Nipples, Threaded Both Ends, Brass	74.45	
33 52 16 13-0059	EA	1-1/2" X 2" Long Nipples, Threaded Both Ends, Brass	83.77	
33 52 16 13-0060	EA	2" X 2" Long Nipples, Threaded Both Ends, Brass	110.03	
33 52 16 13-0061	EA	1/2" 90 Degree Elbow, Brass	34.32	
33 52 16 13-0062	EA	3/4" 90 Degree Elbow, Brass	39.64	
33 52 16 13-0063	EA	1" 90 Degree Elbow, Brass	51.85	
33 52 16 13-0064	EA	1-1/4" 90 Degree Elbow, Brass	67.71	
33 52 16 13-0065	EA	1-1/2" 90 Degree Elbow, Brass	77.73	
33 52 16 13-0066	EA	2" 90 Degree Elbow, Brass	105.06	
33 52 16 13-0067	EA	1/2" Diameter Chrome Plated Nipple	27.07	
33 52 16 13-0068	EA	3/4" Diameter Chrome Plated Nipple	34.92	
33 52 16 13-0069	EA	1" Diameter Chrome Plated Nipple	45.50	
33 52 16 13-0070	EA	1-1/4" Diameter Chrome Plated Nipple	64.93	
33 52 16 13-0071	EA	1-1/2" Diameter Chrome Plated Nipple	78.88	
33 52 16 13-0072	EA	2" Diameter Chrome Plated Nipple	106.74	
33 52 16 13-0073		**Anodless Gas Riser** *(33 52 16 13-0053)*		
33 52 16 13-0074	EA	3/4" Anodless Gas Riser	102.24	
33 52 16 13-0075	EA	1" Anodless Gas Riser	126.78	
33 52 16 13-0076	EA	1-1/4" Anodless Gas Riser	149.35	
33 52 16 13-0077	EA	1-1/2" Anodless Gas Riser	188.10	
33 52 16 13-0078	EA	2" Anodless Gas Riser	216.64	
33 52 16 13-0079		**Brass Service Adapter** *(33 52 16 13-0053)*		
33 52 16 13-0080	EA	1/2" Brass Service Adapter	69.85	
33 52 16 13-0081	EA	3/4" Brass Service Adapter	76.86	
33 52 16 13-0082	EA	1" Brass Service Adapter	92.21	
33 52 16 13-0083	EA	1-1/4" Brass Service Adapter	111.77	
33 52 16 13-0084	EA	1-1/2" Brass Service Adapter	134.09	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 52 16 13-0085	EA	2" Brass Service Adapter	161.11	
33 52 16 13-0086	EA	2-1/2" Brass Service Adapter	256.33	
33 52 16 13-0087	EA	3" Brass Service Adapter	312.86	
33 52 16 13-0088	EA	4" Brass Service Adapter	449.10	

33 52 16 23 Medium Density Polyethylene Piping for Natural Gas *(33 52 16)*

33 52 16 23-0001 Medium Density Polyethylene (MDPE) Gas Distribution Piping *(33 52 16 23)*

Note: PE2406/PE2708. Includes couplings, #12 tracer wire, helically wrapped around piping.

33 52 16 23-0002	LF	1/2" Diameter, SDR 9, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	4.31	1.87
		For Colors, Add	*0.06*	
33 52 16 23-0003	LF	3/4" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	4.79	2.00
		For SDR 13.5, Deduct	*-0.13*	
		For Colors, Add	*0.08*	
33 52 16 23-0004	LF	1" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	5.29	2.14
		For SDR 13.5, Deduct	*-0.15*	
		For Colors, Add	*0.10*	
33 52 16 23-0005	LF	1-1/4" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	5.82	2.27
		For SDR 13.5, Deduct	*-0.18*	
		For Colors, Add	*0.12*	
33 52 16 23-0006	LF	1-1/2" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	6.73	2.73
		For SDR 13.5, Deduct	*-0.26*	
		For Colors, Add	*0.17*	
33 52 16 23-0007	LF	2" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	7.64	2.98
		For SDR 13.5, Deduct	*-0.34*	
		For SDR 15.5, Deduct	*-0.63*	
		For Colors, Add	*0.22*	
33 52 16 23-0008	LF	2-1/2" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	9.75	3.49
		For SDR 13.5, Deduct	*-0.57*	
		For SDR 15.5, Deduct	*-1.05*	
		For Colors, Add	*0.37*	
33 52 16 23-0009	LF	3" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	11.98	4.15
		For SDR 13.5, Deduct	*-0.78*	
		For SDR 15.5, Deduct	*-1.44*	
		For Colors, Add	*0.50*	
33 52 16 23-0010	LF	4" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	19.68	4.87
		For SDR 13.5, Deduct	*-1.44*	
		For SDR 15.5, Deduct	*-2.65*	
		For Colors, Add	*0.93*	
33 52 16 23-0011	LF	5" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	24.98	4.87
		For SDR 13.5, Deduct	*-2.00*	
		For SDR 15.5, Deduct	*-3.68*	
		For Colors, Add	*1.29*	
33 52 16 23-0012	LF	6" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	30.40	4.87
		For SDR 13.5, Deduct	*-2.56*	
		For SDR 15.5, Deduct	*-4.71*	
		For Colors, Add	*1.65*	
33 52 16 23-0013	LF	8" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	45.36	6.09
		For SDR 13.5, Deduct	*-4.27*	
		For SDR 15.5, Deduct	*-7.84*	
		For Colors, Add	*2.75*	

33 52 16 26 High-Density Polyethylene (HDPE) Piping for Natural Gas *(33 52 16)*

33 52 16 26-0001 High-Density Polyethylene (HDPE) Gas Distribution Piping *(33 52 16 26)*

Note: ASTM F2619, ASTM D2513, API 15 LE. Includes couplings, #12 tracer wire, helically wrapped around piping.

33 52 16 26-0002	LF	1/2" Diameter, SDR 9 High-Density Polyethylene (HDPE) Gas Distribution Pipe	4.38	1.87
33 52 16 26-0003	LF	3/4" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	4.90	2.00
		For SDR 13.5, Deduct	*-0.14*	
33 52 16 26-0004	LF	1" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	5.40	2.14
		For SDR 13.5, Deduct	*-0.17*	
33 52 16 26-0005	LF	1-1/4" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	5.97	2.27
		For SDR 13.5, Deduct	*-0.20*	
33 52 16 26-0006	LF	1-1/2" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	6.94	2.73
		For SDR 13.5, Deduct	*-0.29*	
33 52 16 26-0007	LF	2" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	7.92	2.98
		For SDR 13.5, Deduct	*-0.38*	
		For SDR 15.5, Deduct	*-0.70*	
		For SDR 17, Deduct	*-1.01*	
33 52 16 26-0008	LF	2-1/2" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	10.21	3.49
		For SDR 13.5, Deduct	*-0.63*	
		For SDR 15.5, Deduct	*-1.16*	
		For SDR 17, Deduct	*-1.68*	
33 52 16 26-0009	LF	3" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	12.61	4.15
		For SDR 13.5, Deduct	*-0.86*	
		For SDR 15.5, Deduct	*-1.58*	
		For SDR 17, Deduct	*-2.29*	
		For SDR 21, Deduct	*-3.14*	
33 52 16 26-0010	LF	4" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	20.85	4.87
		For SDR 13.5, Deduct	*-1.59*	
		For SDR 15.5, Deduct	*-2.92*	
		For SDR 17, Deduct	*-4.24*	
		For SDR 21, Deduct	*-5.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 52 16 26-0011	LF	6" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	32.47	4.87
		For SDR 13.5, Deduct	*-2.82*	
		For SDR 15.5, Deduct	*-5.18*	
		For SDR 17, Deduct	*-7.52*	
		For SDR 21, Deduct	*-10.30*	
33 52 16 26-0012	LF	8" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	48.80	6.09
		For SDR 13.5, Deduct	*-4.69*	
		For SDR 15.5, Deduct	*-8.63*	
		For SDR 17, Deduct	*-12.53*	
		For SDR 21, Deduct	*-17.14*	

33 53 Hydrocarbon Utility Pressure Regulation *(33 50)*

33 53 16 Gas Hydrocarbon Pressure Regulation *(33 53)*

33 53 16 00-0001 Gas Pressure Regulators With Screwed And Flanged Ends *(33 53 16)*

33 53 16 00-0002	EA	3/4" Gas Pressure Regulator, Screwed End	267.00	18.73
33 53 16 00-0003	EA	1" Gas Pressure Regulator, Screwed End	271.25	18.73
33 53 16 00-0004	EA	1-1/4" Gas Pressure Regulator, Screwed End	281.45	22.24
33 53 16 00-0005	EA	1-1/2" Gas Pressure Regulator, Screwed End	987.42	25.75
33 53 16 00-0006	EA	2" Gas Pressure Regulator, Screwed End	1,041.19	39.88
33 53 16 00-0007	EA	3" Gas Pressure Regulator, Screwed End	2,942.21	89.47
33 53 16 00-0008	EA	4" Gas Pressure Regulator, Screwed End	4,095.05	118.57

33 56 Hydrocarbon Storage *(33 50)*

33 56 13 Aboveground Hydrocarbon Storage Tanks *(33 56)*

See CSI section 23 13 23 00-0000 for aboveground storage tanks.

33 56 33 Underground Hydrocarbon Storage *(33 56)*

See CSI section 23 13 13 00-0000 for underground storage tanks.

33 59 Hydrocarbon Utility Metering *(33 50)*

33 59 11 Diaphragm/Bellows Hydrocarbons Meters *(33 59)*

33 59 11 00-0001 Diaphragm Meters *(33 59 11)*

Note: With standard direct-digital reading maximum working pressures 5 lb to 100 lb, threaded connections. Excludes pressure and temperature compensation.

33 59 11 00-0002	EA	250 CF/Hour Gas Diaphragm Meter At 5 Lb., Direct Digital, Threaded	627.94	73.30
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0003	EA	425 CF/Hour Gas Diaphragm Meter At 10 Lb., Direct Digital, Threaded	1,262.92	112.10
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0004	EA	425 CF/Hour Gas Diaphragm Meter At 25 Lb., Direct Digital, Threaded	1,503.36	112.10
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0005	EA	800 CF/Hour Gas Diaphragm Meter At 20 Lb., Direct Digital, Threaded	3,389.26	140.12
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0006	EA	1,000 CF/Hour Gas Diaphragm Meter At 25 Lb., Direct Digital, Threaded	3,818.63	172.47
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0007	EA	800 CF/Hour Gas Diaphragm Meter At 100 Lb., Direct Digital, Threaded	5,107.28	140.12
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0008	EA	1,000 CF/Hour Gas Diaphragm Meter At 100 Lb., Direct Digital, Threaded	5,667.42	172.47
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0009	EA	1,400 CF/Hour Gas Diaphragm Meter At 100 Lb., Direct Digital, Threaded	7,522.01	183.25
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0010	EA	2,300 CF/Hour Gas Diaphragm Meter At 100 Lb., Direct Digital, Threaded	10,680.17	215.58
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0011	EA	5,000 CF/Hour Gas Diaphragm Meter At 100 Lb., Direct Digital, Threaded	16,286.47	355.71
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	

33 59 16 Hydrocarbons Turbine Meters *(33 59)*

33 59 16 00-0001 Gas Turbine Meters With Direct-Digital Reading *(33 59 16)*

Note: Maximum working pressure 175 PSI, flanged end connections.

33 59 16 00-0002	EA	4", 18,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	12,991.81	378.45
33 59 16 00-0003	EA	6", 30,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	14,162.21	439.49
33 59 16 00-0004	EA	8", 60,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	21,986.34	485.58
33 59 16 00-0005	EA	10", 90,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	42,823.98	591.14
33 59 16 00-0006	EA	12", 150,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	70,343.08	738.92

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 60 Hydronic and Steam Energy Utilities *(33)*

33 61 Hydronic Energy Distribution *(33 60)*

33 61 13 Buried Hydronic Energy Distribution *(33 61)*

33 61 13 00-0001 Glass Lined Steel Piping *(33 61 13)*

33 61 13 00-0002 Glass Lined Steel Pipe *(33 61 13 00-0001)*
Note: 150 PSIG

33 61 13 00-0003	EA	4" X 1' Glass Lined Steel Pipe	1,631.16
33 61 13 00-0004	EA	4" X 2' Glass Lined Steel Pipe	1,801.05
33 61 13 00-0005	EA	4" X 3' Glass Lined Steel Pipe	1,801.05
33 61 13 00-0006	EA	4" X 4' Glass Lined Steel Pipe	2,140.81
33 61 13 00-0007	EA	4" X 5' Glass Lined Steel Pipe	3,043.32
33 61 13 00-0008	EA	4" X 10' Glass Lined Steel Pipe	3,524.66
33 61 13 00-0009	EA	6" X 1' Glass Lined Steel Pipe	1,365.72
33 61 13 00-0010	EA	6" X 2' Glass Lined Steel Pipe	2,958.38
33 61 13 00-0011	EA	6" X 3' Glass Lined Steel Pipe	2,958.38
33 61 13 00-0012	EA	6" X 4' Glass Lined Steel Pipe	3,351.23
33 61 13 00-0013	EA	6" X 5' Glass Lined Steel Pipe	5,407.53
33 61 13 00-0014	EA	6" X 10' Glass Lined Steel Pipe	6,258.28
33 61 13 00-0015	EA	8" X 1' Glass Lined Steel Pipe	3,374.91
33 61 13 00-0016	EA	8" X 2' Glass Lined Steel Pipe	4,065.06
33 61 13 00-0017	EA	8" X 3' Glass Lined Steel Pipe	4,065.06
33 61 13 00-0018	EA	8" X 4' Glass Lined Steel Pipe	4,675.03
33 61 13 00-0019	EA	8" X 5' Glass Lined Steel Pipe	6,332.60
33 61 13 00-0020	EA	8" X 10' Glass Lined Steel Pipe	7,197.41
33 61 13 00-0021	EA	12" X 1' Glass Lined Steel Pipe	9,158.64
33 61 13 00-0022	EA	12" X 2' Glass Lined Steel Pipe	9,158.64
33 61 13 00-0023	EA	12" X 3' Glass Lined Steel Pipe	9,491.33
33 61 13 00-0024	EA	12" X 4' Glass Lined Steel Pipe	10,122.47
33 61 13 00-0025	EA	12" X 5' Glass Lined Steel Pipe	11,358.81
33 61 13 00-0026	EA	12" X 10' Glass Lined Steel Pipe	14,032.09
33 61 13 00-0027	EA	16" X 10' Glass Lined Steel Pipe	19,114.10

33 61 13 00-0028 90 Degree Elbow, Glass Lined Steel Fittings *(33 61 13 00-0001)*
Note: 150 PSIG

33 61 13 00-0029	EA	4" 90 Degree Elbow, Glass Lined Steel Fittings	1,951.46
33 61 13 00-0030	EA	6" 90 Degree Elbow, Glass Lined Steel Fittings	3,192.73
33 61 13 00-0031	EA	8" 90 Degree Elbow, Glass Lined Steel Fittings	5,891.69
33 61 13 00-0032	EA	10" 90 Degree Elbow, Glass Lined Steel Fittings	10,466.10
33 61 13 00-0033	EA	12" 90 Degree Elbow, Glass Lined Steel Fittings	15,488.54
33 61 13 00-0034	EA	14" 90 Degree Elbow, Glass Lined Steel Fittings	18,195.54
33 61 13 00-0035	EA	16" 90 Degree Elbow, Glass Lined Steel Fittings	20,902.13

33 61 13 00-0036 45 Degree Elbow, Glass Lined Steel Fittings *(33 61 13 00-0001)*
Note: 150 PSIG

33 61 13 00-0037	EA	4" 45 Degree Elbow, Glass Lined Steel Fittings	1,912.53
33 61 13 00-0038	EA	6" 45 Degree Elbow, Glass Lined Steel Fittings	3,192.73
33 61 13 00-0039	EA	8" 45 Degree Elbow, Glass Lined Steel Fittings	6,160.67
33 61 13 00-0040	EA	10" 45 Degree Elbow, Glass Lined Steel Fittings	17,388.85
33 61 13 00-0041	EA	12" 45 Degree Elbow, Glass Lined Steel Fittings	15,488.54
33 61 13 00-0042	EA	14" 45 Degree Elbow, Glass Lined Steel Fittings	18,195.54
33 61 13 00-0043	EA	16" 45 Degree Elbow, Glass Lined Steel Fittings	20,902.13

33 61 13 00-0044 Tee, Glass Lined Steel Fittings *(33 61 13 00-0001)*
Note: 150 PSIG

33 61 13 00-0045	EA	4" Tee, Glass Lined Steel Fittings	3,033.22
33 61 13 00-0046	EA	6" Tee, Glass Lined Steel Fittings	5,212.73
33 61 13 00-0047	EA	8" Tee, Glass Lined Steel Fittings	7,724.12
33 61 13 00-0048	EA	10" Tee, Glass Lined Steel Fittings	13,331.37
33 61 13 00-0049	EA	12" Tee, Glass Lined Steel Fittings	18,978.84
33 61 13 00-0050	EA	14" Tee, Glass Lined Steel Fittings	22,364.82
33 61 13 00-0051	EA	16" Tee, Glass Lined Steel Fittings	25,693.34

33 61 13 00-0052 Prefabricated/Preinsulated Pipe *(33 61 13)*
Note: Includes coupling per full length of pipe. Insulation and jacketing sealed for seamless system including all fittings. Excludes excavation and backfill. See CSI section 23 01 20 91-0041 for purging of existing system, 31 23 16 00-0000 for excavation, 31 23 16 33-0001 for excavation, 31 23 16 36-0016 for backfill.

33 61 13 00-0053 Preinsulated Schedule 40 Black Steel Pipe *(33 61 13 00-0052)*
Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.

33 61 13 00-0054 Standard Black Steel Carrier Pipe *(33 61 13 00-0053)*
Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0055	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	184.44	20.30
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.15*	
		For Schedule 80 Pipe, Add	*31.48*	
33 61 13 00-0056	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	202.28	21.90
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.46*	
		For Schedule 80 Pipe, Add	*34.61*	
33 61 13 00-0057	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	225.95	23.26
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.90*	
		For Schedule 80 Pipe, Add	*38.99*	
33 61 13 00-0058	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	241.97	24.56
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.18*	
		For Schedule 80 Pipe, Add	*41.84*	
33 61 13 00-0059	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	253.49	26.08
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.37*	
		For Schedule 80 Pipe, Add	*43.74*	
33 61 13 00-0060	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	280.73	32.24
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.75*	
		For Schedule 80 Pipe, Add	*47.55*	
33 61 13 00-0061	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	309.23	39.35
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.14*	
		For Schedule 80 Pipe, Add	*51.35*	
33 61 13 00-0062	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	390.14	50.11
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.47*	
		For Schedule 80 Pipe, Add	*64.66*	
33 61 13 00-0063	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	495.49	61.39
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.27*	
		For Schedule 80 Pipe, Add	*82.73*	
33 61 13 00-0064	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	576.12	71.91
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.60*	
		For Schedule 80 Pipe, Add	*96.05*	
33 61 13 00-0065	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	814.80	86.89
		For High-Density Polyethylene (HDPE) Jacket, Add	*13.98*	
		For Schedule 80 Pipe, Add	*139.79*	
33 61 13 00-0066	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,060.29	103.40
		For High-Density Polyethylene (HDPE) Jacket, Add	*18.45*	
		For Schedule 80 Pipe, Add	*184.48*	
33 61 13 00-0067	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,320.31	127.25
		For High-Density Polyethylene (HDPE) Jacket, Add	*23.01*	
		For Schedule 80 Pipe, Add	*230.13*	

33 61 13 00-0068 Standard Black Steel Carrier Pipe *(33 61 13 00-0053)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0069	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	200.18	20.30
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.46*	
		For Schedule 80 Pipe, Add	*34.62*	
33 61 13 00-0070	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	219.59	21.90
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.81*	
		For Schedule 80 Pipe, Add	*38.08*	
33 61 13 00-0071	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	245.45	23.26
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.29*	
		For Schedule 80 Pipe, Add	*42.89*	
33 61 13 00-0072	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	262.89	24.56
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.60*	
		For Schedule 80 Pipe, Add	*46.03*	
33 61 13 00-0073	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	275.36	26.08
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.81*	
		For Schedule 80 Pipe, Add	*48.12*	
33 61 13 00-0074	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pip With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	304.50	32.24
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.23*	
		For Schedule 80 Pipe, Add	*52.30*	
33 61 13 00-0075	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	334.90	39.35
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.65*	
		For Schedule 80 Pipe, Add	*56.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0076	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	422.47	50.11
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.11*	
		For Schedule 80 Pipe, Add	*71.13*	
33 61 13 00-0077	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	536.86	61.39
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.10*	
		For Schedule 80 Pipe, Add	*91.01*	
33 61 13 00-0078	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	624.14	71.91
		For High-Density Polyethylene (HDPE) Jacket, Add	*10.57*	
		For Schedule 80 Pipe, Add	*105.65*	
33 61 13 00-0079	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	884.69	86.89
		For High-Density Polyethylene (HDPE) Jacket, Add	*15.38*	
		For Schedule 80 Pipe, Add	*153.77*	
33 61 13 00-0080	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,152.53	103.40
		For High-Density Polyethylene (HDPE) Jacket, Add	*20.29*	
		For Schedule 80 Pipe, Add	*202.93*	
33 61 13 00-0081	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,435.38	127.25
		For High-Density Polyethylene (HDPE) Jacket, Add	*25.31*	
		For Schedule 80 Pipe, Add	*253.14*	

33 61 13 00-0082 Standard Black Steel Carrier Pipe *(33 61 13 00-0053)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0083	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	208.05	20.30
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.62*	
		For Schedule 80 Pipe, Add	*36.20*	
33 61 13 00-0084	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	228.24	21.90
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.98*	
		For Schedule 80 Pipe, Add	*39.81*	
33 61 13 00-0085	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	255.20	23.26
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.48*	
		For Schedule 80 Pipe, Add	*44.84*	
33 61 13 00-0086	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	273.35	24.56
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.81*	
		For Schedule 80 Pipe, Add	*48.12*	
33 61 13 00-0087	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	286.30	26.08
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.03*	
		For Schedule 80 Pipe, Add	*50.31*	
33 61 13 00-0088	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	316.39	32.24
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.47*	
		For Schedule 80 Pipe, Add	*54.68*	
33 61 13 00-0089	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	347.74	39.35
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.91*	
		For Schedule 80 Pipe, Add	*59.05*	
33 61 13 00-0090	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	438.64	50.11
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.44*	
		For Schedule 80 Pipe, Add	*74.36*	
33 61 13 00-0091	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	557.54	61.39
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.51*	
		For Schedule 80 Pipe, Add	*95.14*	
33 61 13 00-0092	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	648.15	71.91
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.05*	
		For Schedule 80 Pipe, Add	*110.45*	
33 61 13 00-0093	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	919.64	86.89
		For High-Density Polyethylene (HDPE) Jacket, Add	*16.08*	
		For Schedule 80 Pipe, Add	*160.76*	
33 61 13 00-0094	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,198.65	103.40
		For High-Density Polyethylene (HDPE) Jacket, Add	*21.22*	
		For Schedule 80 Pipe, Add	*212.16*	
33 61 13 00-0095	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,492.91	127.25
		For High-Density Polyethylene (HDPE) Jacket, Add	*26.46*	
		For Schedule 80 Pipe, Add	*264.65*	

33 61 13 00-0096 Standard Black Steel Carrier Pipe *(33 61 13 00-0053)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0097	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	219.85	20.30
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.86*	
		For Schedule 80 Pipe, Add	*38.56*	
33 61 13 00-0098	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	241.22	21.90
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.24*	
		For Schedule 80 Pipe, Add	*42.40*	
33 61 13 00-0099	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	269.82	23.26
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.78*	
		For Schedule 80 Pipe, Add	*47.76*	
33 61 13 00-0100	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	289.04	24.56
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.13*	
		For Schedule 80 Pipe, Add	*51.26*	
33 61 13 00-0101	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	302.70	26.08
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.36*	
		For Schedule 80 Pipe, Add	*53.59*	
33 61 13 00-0102	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	334.22	32.24
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.82*	
		For Schedule 80 Pipe, Add	*58.25*	
33 61 13 00-0103	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	367.00	39.35
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.29*	
		For Schedule 80 Pipe, Add	*62.91*	
33 61 13 00-0104	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	462.89	50.11
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.92*	
		For Schedule 80 Pipe, Add	*79.21*	
33 61 13 00-0105	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	588.57	61.39
		For High-Density Polyethylene (HDPE) Jacket, Add	*10.13*	
		For Schedule 80 Pipe, Add	*101.35*	
33 61 13 00-0106	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	684.17	71.91
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.77*	
		For Schedule 80 Pipe, Add	*117.66*	
33 61 13 00-0107	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	972.06	86.89
		For High-Density Polyethylene (HDPE) Jacket, Add	*17.12*	
		For Schedule 80 Pipe, Add	*171.24*	
33 61 13 00-0108	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,267.83	103.40
		For High-Density Polyethylene (HDPE) Jacket, Add	*22.60*	
		For Schedule 80 Pipe, Add	*225.99*	
33 61 13 00-0109	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,579.21	127.25
		For High-Density Polyethylene (HDPE) Jacket, Add	*28.19*	
		For Schedule 80 Pipe, Add	*281.91*	

33 61 13 00-0110 Preinsulated Black Steel Fittings *(33 61 13 00-0052)*

Note: No excavation or backfill.

33 61 13 00-0111 Elbows *(33 61 13 00-0110)*

33 61 13 00-0112 Elbows *(33 61 13 00-0111)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0113	EA	3/4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,321.41	
		For High-Density Polyethylene (HDPE) Jacket, Add	*23.98*	
33 61 13 00-0114	EA	1" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,359.08	
		For High-Density Polyethylene (HDPE) Jacket, Add	*24.54*	
33 61 13 00-0115	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,552.35	
		For High-Density Polyethylene (HDPE) Jacket, Add	*27.93*	
33 61 13 00-0116	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,713.96	
		For High-Density Polyethylene (HDPE) Jacket, Add	*30.46*	
33 61 13 00-0117	EA	2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,872.82	
		For High-Density Polyethylene (HDPE) Jacket, Add	*31.73*	
33 61 13 00-0118	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,068.55	
		For High-Density Polyethylene (HDPE) Jacket, Add	*33.00*	
33 61 13 00-0119	EA	3" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,394.21	
		For High-Density Polyethylene (HDPE) Jacket, Add	*38.08*	
33 61 13 00-0120	EA	4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,793.65	
		For High-Density Polyethylene (HDPE) Jacket, Add	*44.43*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0121	EA	5" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,468.55	
		For High-Density Polyethylene (HDPE) Jacket, Add	*57.12*	
33 61 13 00-0122	EA	6" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,886.92	
		For High-Density Polyethylene (HDPE) Jacket, Add	*64.88*	
33 61 13 00-0123	EA	8" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,547.94	
		For High-Density Polyethylene (HDPE) Jacket, Add	*93.79*	
33 61 13 00-0124	EA	10" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	7,274.04	
		For High-Density Polyethylene (HDPE) Jacket, Add	*119.88*	
33 61 13 00-0125	EA	12" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	9,470.01	
		For High-Density Polyethylene (HDPE) Jacket, Add	*158.67*	

33 61 13 00-0126 Elbows *(33 61 13 00-0111)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0127	EA	3/4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,411.32	
		For High-Density Polyethylene (HDPE) Jacket, Add	*25.77*	
33 61 13 00-0128	EA	1" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,451.11	
		For High-Density Polyethylene (HDPE) Jacket, Add	*26.38*	
33 61 13 00-0129	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,657.06	
		For High-Density Polyethylene (HDPE) Jacket, Add	*30.02*	
33 61 13 00-0130	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,828.20	
		For High-Density Polyethylene (HDPE) Jacket, Add	*32.75*	
33 61 13 00-0131	EA	2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,991.82	
		For High-Density Polyethylene (HDPE) Jacket, Add	*34.11*	
33 61 13 00-0132	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,192.31	
		For High-Density Polyethylene (HDPE) Jacket, Add	*35.48*	
33 61 13 00-0133	EA	3" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,537.01	
		For High-Density Polyethylene (HDPE) Jacket, Add	*40.94*	
33 61 13 00-0134	EA	4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,960.24	
		For High-Density Polyethylene (HDPE) Jacket, Add	*47.76*	
33 61 13 00-0135	EA	5" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,682.75	
		For High-Density Polyethylene (HDPE) Jacket, Add	*61.40*	
33 61 13 00-0136	EA	6" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,130.21	
		For High-Density Polyethylene (HDPE) Jacket, Add	*69.74*	
33 61 13 00-0137	EA	8" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,899.65	
		For High-Density Polyethylene (HDPE) Jacket, Add	*100.82*	
33 61 13 00-0138	EA	10" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	7,723.59	
		For High-Density Polyethylene (HDPE) Jacket, Add	*128.87*	
33 61 13 00-0139	EA	12" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	10,065.01	
		For High-Density Polyethylene (HDPE) Jacket, Add	*170.57*	

33 61 13 00-0140 Elbows *(33 61 13 00-0111)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0141	EA	3/4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,501.23	
		For High-Density Polyethylene (HDPE) Jacket, Add	*27.57*	
33 61 13 00-0142	EA	1" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,543.13	
		For High-Density Polyethylene (HDPE) Jacket, Add	*28.22*	
33 61 13 00-0143	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,761.78	
		For High-Density Polyethylene (HDPE) Jacket, Add	*32.11*	
33 61 13 00-0144	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,942.44	
		For High-Density Polyethylene (HDPE) Jacket, Add	*35.03*	
33 61 13 00-0145	EA	2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,110.82	
		For High-Density Polyethylene (HDPE) Jacket, Add	*36.49*	
33 61 13 00-0146	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,316.07	
		For High-Density Polyethylene (HDPE) Jacket, Add	*37.95*	
33 61 13 00-0147	EA	3" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,679.81	
		For High-Density Polyethylene (HDPE) Jacket, Add	*43.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0148	EA	4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,126.84	
		For High-Density Polyethylene (HDPE) Jacket, Add	*51.09*	
33 61 13 00-0149	EA	5" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,896.94	
		For High-Density Polyethylene (HDPE) Jacket, Add	*65.69*	
33 61 13 00-0150	EA	6" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,373.49	
		For High-Density Polyethylene (HDPE) Jacket, Add	*74.61*	
33 61 13 00-0151	EA	8" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,251.37	
		For High-Density Polyethylene (HDPE) Jacket, Add	*107.86*	
33 61 13 00-0152	EA	10" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	8,173.14	
		For High-Density Polyethylene (HDPE) Jacket, Add	*137.86*	
33 61 13 00-0153	EA	12" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	10,660.00	
		For High-Density Polyethylene (HDPE) Jacket, Add	*182.47*	

33 61 13 00-0154 Elbows *(33 61 13 00-0111)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0155	EA	3/4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,591.14	
		For High-Density Polyethylene (HDPE) Jacket, Add	*29.37*	
33 61 13 00-0156	EA	1" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,635.16	
		For High-Density Polyethylene (HDPE) Jacket, Add	*30.06*	
33 61 13 00-0157	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,866.50	
		For High-Density Polyethylene (HDPE) Jacket, Add	*34.21*	
33 61 13 00-0158	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,056.68	
		For High-Density Polyethylene (HDPE) Jacket, Add	*37.32*	
33 61 13 00-0159	EA	2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,229.82	
		For High-Density Polyethylene (HDPE) Jacket, Add	*38.87*	
33 61 13 00-0160	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,439.83	
		For High-Density Polyethylene (HDPE) Jacket, Add	*40.43*	
33 61 13 00-0161	EA	3" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,822.61	
		For High-Density Polyethylene (HDPE) Jacket, Add	*46.65*	
33 61 13 00-0162	EA	4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,293.44	
		For High-Density Polyethylene (HDPE) Jacket, Add	*54.42*	
33 61 13 00-0163	EA	5" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,111.14	
		For High-Density Polyethylene (HDPE) Jacket, Add	*69.97*	
33 61 13 00-0164	EA	6" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,616.77	
		For High-Density Polyethylene (HDPE) Jacket, Add	*79.47*	
33 61 13 00-0165	EA	8" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,603.07	
		For High-Density Polyethylene (HDPE) Jacket, Add	*114.89*	
33 61 13 00-0166	EA	10" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	8,622.69	
		For High-Density Polyethylene (HDPE) Jacket, Add	*146.85*	
33 61 13 00-0167	EA	12" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	11,255.00	
		For High-Density Polyethylene (HDPE) Jacket, Add	*194.37*	

33 61 13 00-0168 Tees *(33 61 13 00-0110)*

33 61 13 00-0169 Tees *(33 61 13 00-0168)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0170	EA	3/4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,964.06	
		For High-Density Polyethylene (HDPE) Jacket, Add	*35.60*	
33 61 13 00-0171	EA	1" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,020.03	
		For High-Density Polyethylene (HDPE) Jacket, Add	*36.44*	
33 61 13 00-0172	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,307.37	
		For High-Density Polyethylene (HDPE) Jacket, Add	*41.47*	
33 61 13 00-0173	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,547.86	
		For High-Density Polyethylene (HDPE) Jacket, Add	*45.24*	
33 61 13 00-0174	EA	2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,784.90	
		For High-Density Polyethylene (HDPE) Jacket, Add	*47.12*	
33 61 13 00-0175	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,077.33	
		For High-Density Polyethylene (HDPE) Jacket, Add	*49.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0176	EA	3" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,562.77	
		For High-Density Polyethylene (HDPE) Jacket, Add	*56.55*	
33 61 13 00-0177	EA	4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,157.15	
		For High-Density Polyethylene (HDPE) Jacket, Add	*65.97*	
33 61 13 00-0178	EA	5" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,163.23	
		For High-Density Polyethylene (HDPE) Jacket, Add	*84.82*	
33 61 13 00-0179	EA	6" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,782.60	
		For High-Density Polyethylene (HDPE) Jacket, Add	*96.34*	
33 61 13 00-0180	EA	8" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	8,250.00	
		For High-Density Polyethylene (HDPE) Jacket, Add	*139.28*	
33 61 13 00-0181	EA	10" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	10,823.41	
		For High-Density Polyethylene (HDPE) Jacket, Add	*178.02*	
33 61 13 00-0182	EA	12" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	14,086.01	
		For High-Density Polyethylene (HDPE) Jacket, Add	*235.62*	

33 61 13 00-0183 Tees *(33 61 13 00-0168)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0184	EA	3/4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,097.57	
		For High-Density Polyethylene (HDPE) Jacket, Add	*38.27*	
33 61 13 00-0185	EA	1" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,156.69	
		For High-Density Polyethylene (HDPE) Jacket, Add	*39.18*	
33 61 13 00-0186	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,462.88	
		For High-Density Polyethylene (HDPE) Jacket, Add	*44.58*	
33 61 13 00-0187	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,717.51	
		For High-Density Polyethylene (HDPE) Jacket, Add	*48.63*	
33 61 13 00-0188	EA	2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,961.62	
		For High-Density Polyethylene (HDPE) Jacket, Add	*50.66*	
33 61 13 00-0189	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,261.11	
		For High-Density Polyethylene (HDPE) Jacket, Add	*52.68*	
33 61 13 00-0190	EA	3" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,774.82	
		For High-Density Polyethylene (HDPE) Jacket, Add	*60.79*	
33 61 13 00-0191	EA	4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,404.55	
		For High-Density Polyethylene (HDPE) Jacket, Add	*70.92*	
33 61 13 00-0192	EA	5" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,481.31	
		For High-Density Polyethylene (HDPE) Jacket, Add	*91.18*	
33 61 13 00-0193	EA	6" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,143.88	
		For High-Density Polyethylene (HDPE) Jacket, Add	*103.57*	
33 61 13 00-0194	EA	8" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	8,772.29	
		For High-Density Polyethylene (HDPE) Jacket, Add	*149.72*	
33 61 13 00-0195	EA	10" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	11,490.99	
		For High-Density Polyethylene (HDPE) Jacket, Add	*191.37*	
33 61 13 00-0196	EA	12" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	14,969.58	
		For High-Density Polyethylene (HDPE) Jacket, Add	*253.29*	

33 61 13 00-0197 Tees *(33 61 13 00-0168)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0198	EA	3/4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,231.09	
		For High-Density Polyethylene (HDPE) Jacket, Add	*40.95*	
33 61 13 00-0199	EA	1" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,293.35	
		For High-Density Polyethylene (HDPE) Jacket, Add	*41.91*	
33 61 13 00-0200	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,618.39	
		For High-Density Polyethylene (HDPE) Jacket, Add	*47.69*	
33 61 13 00-0201	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,887.15	
		For High-Density Polyethylene (HDPE) Jacket, Add	*52.02*	
33 61 13 00-0202	EA	2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,138.33	
		For High-Density Polyethylene (HDPE) Jacket, Add	*54.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0203	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,444.89	
		For High-Density Polyethylene (HDPE) Jacket, Add	*56.36*	
33 61 13 00-0204	EA	3" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,986.88	
		For High-Density Polyethylene (HDPE) Jacket, Add	*65.03*	
33 61 13 00-0205	EA	4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,651.95	
		For High-Density Polyethylene (HDPE) Jacket, Add	*75.87*	
33 61 13 00-0206	EA	5" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,799.40	
		For High-Density Polyethylene (HDPE) Jacket, Add	*97.55*	
33 61 13 00-0207	EA	6" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,505.16	
		For High-Density Polyethylene (HDPE) Jacket, Add	*110.79*	
33 61 13 00-0208	EA	8" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	9,294.59	
		For High-Density Polyethylene (HDPE) Jacket, Add	*160.17*	
33 61 13 00-0209	EA	10" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	12,158.57	
		For High-Density Polyethylene (HDPE) Jacket, Add	*204.73*	
33 61 13 00-0210	EA	12" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	15,853.15	
		For High-Density Polyethylene (HDPE) Jacket, Add	*270.96*	

33 61 13 00-0211 Tees *(33 61 13 00-0168)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0212	EA	3/4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,364.61	
		For High-Density Polyethylene (HDPE) Jacket, Add	*43.62*	
33 61 13 00-0213	EA	1" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,430.01	
		For High-Density Polyethylene (HDPE) Jacket, Add	*44.64*	
33 61 13 00-0214	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,773.89	
		For High-Density Polyethylene (HDPE) Jacket, Add	*50.80*	
33 61 13 00-0215	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,056.80	
		For High-Density Polyethylene (HDPE) Jacket, Add	*55.42*	
33 61 13 00-0216	EA	2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,315.04	
		For High-Density Polyethylene (HDPE) Jacket, Add	*57.73*	
33 61 13 00-0217	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,628.68	
		For High-Density Polyethylene (HDPE) Jacket, Add	*60.04*	
33 61 13 00-0218	EA	3" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,198.94	
		For High-Density Polyethylene (HDPE) Jacket, Add	*69.27*	
33 61 13 00-0219	EA	4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,899.35	
		For High-Density Polyethylene (HDPE) Jacket, Add	*80.82*	
33 61 13 00-0220	EA	5" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,117.48	
		For High-Density Polyethylene (HDPE) Jacket, Add	*103.91*	
33 61 13 00-0221	EA	6" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,866.45	
		For High-Density Polyethylene (HDPE) Jacket, Add	*118.02*	
33 61 13 00-0222	EA	8" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	9,816.87	
		For High-Density Polyethylene (HDPE) Jacket, Add	*170.61*	
33 61 13 00-0223	EA	10" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	12,826.16	
		For High-Density Polyethylene (HDPE) Jacket, Add	*218.08*	
33 61 13 00-0224	EA	12" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	16,736.72	
		For High-Density Polyethylene (HDPE) Jacket, Add	*288.63*	

33 61 13 00-0225 Reducers *(33 61 13 00-0110)*

33 61 13 00-0226 Reducers *(33 61 13 00-0225)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0227	EA	3/4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,105.39	
		For High-Density Polyethylene (HDPE) Jacket, Add	*19.90*	
33 61 13 00-0228	EA	1" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,137.26	
		For High-Density Polyethylene (HDPE) Jacket, Add	*20.37*	
33 61 13 00-0229	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,299.38	
		For High-Density Polyethylene (HDPE) Jacket, Add	*23.18*	
33 61 13 00-0230	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,435.87	
		For High-Density Polyethylene (HDPE) Jacket, Add	*25.29*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0231		EA	2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,574.34	
			For High-Density Polyethylene (HDPE) Jacket, Add	*26.34*	
33 61 13 00-0232		EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,755.60	
			For High-Density Polyethylene (HDPE) Jacket, Add	*27.39*	
33 61 13 00-0233		EA	3" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,025.46	
			For High-Density Polyethylene (HDPE) Jacket, Add	*31.61*	
33 61 13 00-0234		EA	4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,358.54	
			For High-Density Polyethylene (HDPE) Jacket, Add	*36.87*	
33 61 13 00-0235		EA	5" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,921.96	
			For High-Density Polyethylene (HDPE) Jacket, Add	*47.41*	
33 61 13 00-0236		EA	6" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,271.38	
			For High-Density Polyethylene (HDPE) Jacket, Add	*53.85*	
33 61 13 00-0237		EA	8" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,665.08	
			For High-Density Polyethylene (HDPE) Jacket, Add	*77.84*	
33 61 13 00-0238		EA	10" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,127.60	
			For High-Density Polyethylene (HDPE) Jacket, Add	*99.50*	
33 61 13 00-0239		EA	12" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	7,965.33	
			For High-Density Polyethylene (HDPE) Jacket, Add	*131.69*	

33 61 13 00-0240 Reducers *(33 61 13 00-0225)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0241		EA	3/4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,180.01	
			For High-Density Polyethylene (HDPE) Jacket, Add	*21.39*	
33 61 13 00-0242		EA	1" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,213.64	
			For High-Density Polyethylene (HDPE) Jacket, Add	*21.90*	
33 61 13 00-0243		EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,386.30	
			For High-Density Polyethylene (HDPE) Jacket, Add	*24.92*	
33 61 13 00-0244		EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,530.68	
			For High-Density Polyethylene (HDPE) Jacket, Add	*27.18*	
33 61 13 00-0245		EA	2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,673.11	
			For High-Density Polyethylene (HDPE) Jacket, Add	*28.31*	
33 61 13 00-0246		EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,858.32	
			For High-Density Polyethylene (HDPE) Jacket, Add	*29.45*	
33 61 13 00-0247		EA	3" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,143.98	
			For High-Density Polyethylene (HDPE) Jacket, Add	*33.98*	
33 61 13 00-0248		EA	4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,496.82	
			For High-Density Polyethylene (HDPE) Jacket, Add	*39.64*	
33 61 13 00-0249		EA	5" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,099.75	
			For High-Density Polyethylene (HDPE) Jacket, Add	*50.97*	
33 61 13 00-0250		EA	6" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,473.30	
			For High-Density Polyethylene (HDPE) Jacket, Add	*57.89*	
33 61 13 00-0251		EA	8" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,957.00	
			For High-Density Polyethylene (HDPE) Jacket, Add	*83.68*	
33 61 13 00-0252		EA	10" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,500.73	
			For High-Density Polyethylene (HDPE) Jacket, Add	*106.96*	
33 61 13 00-0253		EA	12" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	8,459.18	
			For High-Density Polyethylene (HDPE) Jacket, Add	*141.57*	

33 61 13 00-0254 Reducers *(33 61 13 00-0225)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0255		EA	3/4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,254.64	
			For High-Density Polyethylene (HDPE) Jacket, Add	*22.89*	
33 61 13 00-0256		EA	1" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,290.02	
			For High-Density Polyethylene (HDPE) Jacket, Add	*23.42*	
33 61 13 00-0257		EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,473.22	
			For High-Density Polyethylene (HDPE) Jacket, Add	*26.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0258	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,625.50	
		For High-Density Polyethylene (HDPE) Jacket, Add	*29.08*	
33 61 13 00-0259	EA	2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,771.88	
		For High-Density Polyethylene (HDPE) Jacket, Add	*30.29*	
33 61 13 00-0260	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,961.04	
		For High-Density Polyethylene (HDPE) Jacket, Add	*31.50*	
33 61 13 00-0261	EA	3" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,262.50	
		For High-Density Polyethylene (HDPE) Jacket, Add	*36.35*	
33 61 13 00-0262	EA	4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,635.10	
		For High-Density Polyethylene (HDPE) Jacket, Add	*42.41*	
33 61 13 00-0263	EA	5" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,277.53	
		For High-Density Polyethylene (HDPE) Jacket, Add	*54.52*	
33 61 13 00-0264	EA	6" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,675.23	
		For High-Density Polyethylene (HDPE) Jacket, Add	*61.92*	
33 61 13 00-0265	EA	8" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,248.91	
		For High-Density Polyethylene (HDPE) Jacket, Add	*89.52*	
33 61 13 00-0266	EA	10" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,873.86	
		For High-Density Polyethylene (HDPE) Jacket, Add	*114.43*	
33 61 13 00-0267	EA	12" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	8,953.03	
		For High-Density Polyethylene (HDPE) Jacket, Add	*151.45*	

33 61 13 00-0268 Reducers *(33 61 13 00-0225)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0269	EA	3/4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,329.27	
		For High-Density Polyethylene (HDPE) Jacket, Add	*24.38*	
33 61 13 00-0270	EA	1" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,366.40	
		For High-Density Polyethylene (HDPE) Jacket, Add	*24.95*	
33 61 13 00-0271	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,560.13	
		For High-Density Polyethylene (HDPE) Jacket, Add	*28.39*	
33 61 13 00-0272	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,720.32	
		For High-Density Polyethylene (HDPE) Jacket, Add	*30.97*	
33 61 13 00-0273	EA	2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,870.65	
		For High-Density Polyethylene (HDPE) Jacket, Add	*32.26*	
33 61 13 00-0274	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,063.76	
		For High-Density Polyethylene (HDPE) Jacket, Add	*33.56*	
33 61 13 00-0275	EA	3" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,381.03	
		For High-Density Polyethylene (HDPE) Jacket, Add	*38.72*	
33 61 13 00-0276	EA	4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,773.37	
		For High-Density Polyethylene (HDPE) Jacket, Add	*45.17*	
33 61 13 00-0277	EA	5" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,455.32	
		For High-Density Polyethylene (HDPE) Jacket, Add	*58.08*	
33 61 13 00-0278	EA	6" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,877.15	
		For High-Density Polyethylene (HDPE) Jacket, Add	*65.96*	
33 61 13 00-0279	EA	8" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,540.82	
		For High-Density Polyethylene (HDPE) Jacket, Add	*95.36*	
33 61 13 00-0280	EA	10" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	7,246.98	
		For High-Density Polyethylene (HDPE) Jacket, Add	*121.89*	
33 61 13 00-0281	EA	12" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	9,446.88	
		For High-Density Polyethylene (HDPE) Jacket, Add	*161.32*	

33 61 13 00-0282 Preinsulated Type K Copper Pipe *(33 61 13 00-0052)*

Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.

33 61 13 00-0283 Type K Copper Carrier Pipe *(33 61 13 00-0282)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0284	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	48.19	17.86
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.43*	
33 61 13 00-0285	LF	1" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	52.46	19.27
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0286	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	57.21	20.48
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.53*	
33 61 13 00-0287	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	60.88	21.63
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.57*	
33 61 13 00-0288	LF	2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	64.17	22.95
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.60*	
33 61 13 00-0289	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	74.88	28.39
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.65*	
33 61 13 00-0290	LF	3" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	86.85	34.63
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.70*	
33 61 13 00-0291	LF	4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	110.11	44.11
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.88*	
33 61 13 00-0292	LF	5" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	137.26	54.02
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.13*	
33 61 13 00-0293	LF	6" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	160.21	63.29
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.31*	
33 61 13 00-0294	LF	8" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	209.73	76.77
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.90*	
33 61 13 00-0295	LF	10" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	261.92	90.99
		For High-Density Polyethylene (HDPE) Jacket, Add	*2.51*	
33 61 13 00-0296	LF	12" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	324.44	111.97
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.13*	

33 61 13 00-0297 Type K Copper Carrier Pipe *(33 61 13 00-0282)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0298	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	50.33	17.86
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.47*	
33 61 13 00-0299	LF	1" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	54.81	19.27
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.52*	
33 61 13 00-0300	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	59.86	20.48
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.58*	
33 61 13 00-0301	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	63.73	21.63
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.63*	
33 61 13 00-0302	LF	2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	67.14	22.95
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.65*	
33 61 13 00-0303	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	78.12	28.39
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.71*	
33 61 13 00-0304	LF	3" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	90.34	34.63
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.77*	
33 61 13 00-0305	LF	4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	114.51	44.11
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.97*	
33 61 13 00-0306	LF	5" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	142.89	54.02
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.24*	
33 61 13 00-0307	LF	6" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	166.74	63.29
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.44*	
33 61 13 00-0308	LF	8" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	219.24	76.77
		For High-Density Polyethylene (HDPE) Jacket, Add	*2.09*	
33 61 13 00-0309	LF	10" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	274.47	90.99
		For High-Density Polyethylene (HDPE) Jacket, Add	*2.76*	
33 61 13 00-0310	LF	12" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	340.09	111.97
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.44*	

33 61 13 00-0311 Type K Copper Carrier Pipe *(33 61 13 00-0282)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0312	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	51.40	17.86
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0313	LF	1" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	55.99	19.27
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.54*	
33 61 13 00-0314	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	61.19	20.48
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.61*	
33 61 13 00-0315	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	65.15	21.63
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.65*	
33 61 13 00-0316	LF	2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	68.63	22.95
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.68*	
33 61 13 00-0317	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	79.74	28.39
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.74*	
33 61 13 00-0318	LF	3" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	92.09	34.63
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.80*	
33 61 13 00-0319	LF	4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	116.71	44.11
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.01*	
33 61 13 00-0320	LF	5" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	145.70	54.02
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.29*	
33 61 13 00-0321	LF	6" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	170.01	63.29
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.50*	
33 61 13 00-0322	LF	8" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	224.00	76.47
		For High-Density Polyethylene (HDPE) Jacket, Add	*2.19*	
33 61 13 00-0323	LF	10" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	280.74	90.99
		For High-Density Polyethylene (HDPE) Jacket, Add	*2.89*	
33 61 13 00-0324	LF	12" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	347.92	111.97
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.60*	

33 61 13 00-0325 Type K Copper Carrier Pipe *(33 61 13 00-0282)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0326	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	53.01	17.86
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.52*	
33 61 13 00-0327	LF	1" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	57.75	19.27
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.58*	
33 61 13 00-0328	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	63.18	20.48
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.65*	
33 61 13 00-0329	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	67.29	21.63
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.70*	
33 61 13 00-0330	LF	2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	70.86	22.95
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.73*	
33 61 13 00-0331	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	82.16	28.39
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.79*	
33 61 13 00-0332	LF	3" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	94.71	34.63
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.86*	
33 61 13 00-0333	LF	4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	120.01	44.11
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.08*	
33 61 13 00-0334	LF	5" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	149.92	54.02
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.38*	
33 61 13 00-0335	LF	6" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	174.91	63.29
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.60*	
33 61 13 00-0336	LF	8" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	231.13	76.47
		For High-Density Polyethylene (HDPE) Jacket, Add	*2.33*	
33 61 13 00-0337	LF	10" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	290.15	90.99
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.07*	
33 61 13 00-0338	LF	12" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	359.66	111.97
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.84*	

33 61 13 00-0339 Preinsulated Copper Fittings *(33 61 13 00-0052)*

33 61 13 00-0340 Elbows *(33 61 13 00-0339)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0341		**Elbows** *(33 61 13 00-0340)*		
		Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0342	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	350.66	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.88*	
33 61 13 00-0343	EA	1" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	364.65	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.00*	
33 61 13 00-0344	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	419.98	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.69*	
33 61 13 00-0345	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	475.98	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.20*	
33 61 13 00-0346	EA	2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	571.85	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.46*	
33 61 13 00-0347	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	699.76	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.72*	
33 61 13 00-0348	EA	3" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	813.87	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.75*	
33 61 13 00-0349	EA	4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	949.87	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.04*	
33 61 13 00-0350	EA	5" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,114.05	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.63*	
33 61 13 00-0351	EA	6" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,219.58	
		For High-Density Polyethylene (HDPE) Jacket, Add	*13.21*	
33 61 13 00-0352	EA	8" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,701.21	
		For High-Density Polyethylene (HDPE) Jacket, Add	*19.09*	
33 61 13 00-0353	EA	10" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,333.21	
		For High-Density Polyethylene (HDPE) Jacket, Add	*24.41*	
33 61 13 00-0354	EA	12" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,951.35	
		For High-Density Polyethylene (HDPE) Jacket, Add	*32.30*	
33 61 13 00-0355		**Elbows** *(33 61 13 00-0340)*		
		Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0356	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	368.97	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.25*	
33 61 13 00-0357	EA	1" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	383.38	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.37*	
33 61 13 00-0358	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	441.30	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.11*	
33 61 13 00-0359	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	499.24	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.67*	
33 61 13 00-0360	EA	2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	596.08	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.94*	
33 61 13 00-0361	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	724.96	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.22*	
33 61 13 00-0362	EA	3" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	842.94	
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.33*	
33 61 13 00-0363	EA	4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	983.78	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.72*	
33 61 13 00-0364	EA	5" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,157.66	
		For High-Density Polyethylene (HDPE) Jacket, Add	*12.50*	
33 61 13 00-0365	EA	6" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,269.11	
		For High-Density Polyethylene (HDPE) Jacket, Add	*14.20*	
33 61 13 00-0366	EA	8" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,772.81	
		For High-Density Polyethylene (HDPE) Jacket, Add	*20.53*	
33 61 13 00-0367	EA	10" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,424.73	
		For High-Density Polyethylene (HDPE) Jacket, Add	*26.24*	
33 61 13 00-0368	EA	12" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,072.48	
		For High-Density Polyethylene (HDPE) Jacket, Add	*34.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 61 13 00-0369 Elbows *(33 61 13 00-0340)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0370	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	387.27	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.61*	
33 61 13 00-0371	EA	1" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	402.11	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.75*	
33 61 13 00-0372	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	462.62	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.54*	
33 61 13 00-0373	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	522.49	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.13*	
33 61 13 00-0374	EA	2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	620.30	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.43*	
33 61 13 00-0375	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	750.15	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.73*	
33 61 13 00-0376	EA	3" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	872.02	
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.92*	
33 61 13 00-0377	EA	4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,017.70	
		For High-Density Polyethylene (HDPE) Jacket, Add	*10.40*	
33 61 13 00-0378	EA	5" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,201.26	
		For High-Density Polyethylene (HDPE) Jacket, Add	*13.37*	
33 61 13 00-0379	EA	6" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,318.91	
		For High-Density Polyethylene (HDPE) Jacket, Add	*15.19*	
33 61 13 00-0380	EA	8" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,844.25	
		For High-Density Polyethylene (HDPE) Jacket, Add	*21.96*	
33 61 13 00-0381	EA	10" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,515.78	
		For High-Density Polyethylene (HDPE) Jacket, Add	*28.07*	
33 61 13 00-0382	EA	12" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,193.94	
		For High-Density Polyethylene (HDPE) Jacket, Add	*37.15*	

33 61 13 00-0383 Elbows *(33 61 13 00-0340)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0384	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	405.57	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.98*	
33 61 13 00-0385	EA	1" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	420.85	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.12*	
33 61 13 00-0386	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	483.94	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.96*	
33 61 13 00-0387	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	545.75	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.60*	
33 61 13 00-0388	EA	2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	644.53	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.91*	
33 61 13 00-0389	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	775.35	
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.23*	
33 61 13 00-0390	EA	3" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	901.09	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.50*	
33 61 13 00-0391	EA	4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,051.61	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.08*	
33 61 13 00-0392	EA	5" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,244.87	
		For High-Density Polyethylene (HDPE) Jacket, Add	*14.24*	
33 61 13 00-0393	EA	6" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,368.43	
		For High-Density Polyethylene (HDPE) Jacket, Add	*16.18*	
33 61 13 00-0394	EA	8" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,915.85	
		For High-Density Polyethylene (HDPE) Jacket, Add	*23.39*	
33 61 13 00-0395	EA	10" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,607.31	
		For High-Density Polyethylene (HDPE) Jacket, Add	*29.90*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0396		EA	12" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,315.07	
			For High-Density Polyethylene (HDPE) Jacket, Add	*39.57*	

33 61 13 00-0397 Tees *(33 61 13 00-0339)*

33 61 13 00-0398 Tees *(33 61 13 00-0397)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0399		EA	3/4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	522.28	
			For High-Density Polyethylene (HDPE) Jacket, Add	*7.25*	
33 61 13 00-0400		EA	1" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	543.06	
			For High-Density Polyethylene (HDPE) Jacket, Add	*7.42*	
33 61 13 00-0401		EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	625.53	
			For High-Density Polyethylene (HDPE) Jacket, Add	*8.44*	
33 61 13 00-0402		EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	709.12	
			For High-Density Polyethylene (HDPE) Jacket, Add	*9.21*	
33 61 13 00-0403		EA	2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	852.45	
			For High-Density Polyethylene (HDPE) Jacket, Add	*9.59*	
33 61 13 00-0404		EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,043.99	
			For High-Density Polyethylene (HDPE) Jacket, Add	*9.98*	
33 61 13 00-0405		EA	3" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,215.04	
			For High-Density Polyethylene (HDPE) Jacket, Add	*11.51*	
33 61 13 00-0406		EA	4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,418.07	
			For High-Density Polyethylene (HDPE) Jacket, Add	*13.43*	
33 61 13 00-0407		EA	5" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,665.24	
			For High-Density Polyethylene (HDPE) Jacket, Add	*17.27*	
33 61 13 00-0408		EA	6" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,820.14	
			For High-Density Polyethylene (HDPE) Jacket, Add	*19.61*	
33 61 13 00-0409		EA	8" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,535.93	
			For High-Density Polyethylene (HDPE) Jacket, Add	*28.35*	
33 61 13 00-0410		EA	10" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,483.37	
			For High-Density Polyethylene (HDPE) Jacket, Add	*36.24*	
33 61 13 00-0411		EA	12" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,402.79	
			For High-Density Polyethylene (HDPE) Jacket, Add	*47.97*	

33 61 13 00-0412 Tees *(33 61 13 00-0397)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0413		EA	3/4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	549.46	
			For High-Density Polyethylene (HDPE) Jacket, Add	*7.79*	
33 61 13 00-0414		EA	1" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	570.88	
			For High-Density Polyethylene (HDPE) Jacket, Add	*7.98*	
33 61 13 00-0415		EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	657.19	
			For High-Density Polyethylene (HDPE) Jacket, Add	*9.08*	
33 61 13 00-0416		EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	743.65	
			For High-Density Polyethylene (HDPE) Jacket, Add	*9.90*	
33 61 13 00-0417		EA	2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	888.43	
			For High-Density Polyethylene (HDPE) Jacket, Add	*10.31*	
33 61 13 00-0418		EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,081.40	
			For High-Density Polyethylene (HDPE) Jacket, Add	*10.73*	
33 61 13 00-0419		EA	3" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,258.21	
			For High-Density Polyethylene (HDPE) Jacket, Add	*12.38*	
33 61 13 00-0420		EA	4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,468.44	
			For High-Density Polyethylene (HDPE) Jacket, Add	*14.44*	
33 61 13 00-0421		EA	5" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,730.00	
			For High-Density Polyethylene (HDPE) Jacket, Add	*18.56*	
33 61 13 00-0422		EA	6" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,893.69	
			For High-Density Polyethylene (HDPE) Jacket, Add	*21.08*	
33 61 13 00-0423		EA	8" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,642.25	
			For High-Density Polyethylene (HDPE) Jacket, Add	*30.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0424	EA	10" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,619.28	
		For High-Density Polyethylene (HDPE) Jacket, Add	*38.96*	
33 61 13 00-0425	EA	12" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,582.67	
		For High-Density Polyethylene (HDPE) Jacket, Add	*51.56*	

33 61 13 00-0426 Tees *(33 61 13 00-0397)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0427	EA	3/4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	576.64	
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.34*	
33 61 13 00-0428	EA	1" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	598.70	
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.53*	
33 61 13 00-0429	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	688.85	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.71*	
33 61 13 00-0430	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	778.19	
		For High-Density Polyethylene (HDPE) Jacket, Add	*10.59*	
33 61 13 00-0431	EA	2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	924.40	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.03*	
33 61 13 00-0432	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,118.82	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.47*	
33 61 13 00-0433	EA	3" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,301.38	
		For High-Density Polyethylene (HDPE) Jacket, Add	*13.24*	
33 61 13 00-0434	EA	4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,518.80	
		For High-Density Polyethylene (HDPE) Jacket, Add	*15.45*	
33 61 13 00-0435	EA	5" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,794.75	
		For High-Density Polyethylene (HDPE) Jacket, Add	*19.86*	
33 61 13 00-0436	EA	6" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,967.65	
		For High-Density Polyethylene (HDPE) Jacket, Add	*22.56*	
33 61 13 00-0437	EA	8" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,747.50	
		For High-Density Polyethylene (HDPE) Jacket, Add	*32.61*	
33 61 13 00-0438	EA	10" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,752.63	
		For High-Density Polyethylene (HDPE) Jacket, Add	*41.68*	
33 61 13 00-0439	EA	12" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,765.52	
		For High-Density Polyethylene (HDPE) Jacket, Add	*55.16*	

33 61 13 00-0440 Tees *(33 61 13 00-0397)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0441	EA	3/4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	603.82	
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.88*	
33 61 13 00-0442	EA	1" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	626.52	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.09*	
33 61 13 00-0443	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	720.51	
		For High-Density Polyethylene (HDPE) Jacket, Add	*10.34*	
33 61 13 00-0444	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	812.72	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.28*	
33 61 13 00-0445	EA	2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	960.38	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.75*	
33 61 13 00-0446	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,156.23	
		For High-Density Polyethylene (HDPE) Jacket, Add	*12.22*	
33 61 13 00-0447	EA	3" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,344.55	
		For High-Density Polyethylene (HDPE) Jacket, Add	*14.10*	
33 61 13 00-0448	EA	4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,569.17	
		For High-Density Polyethylene (HDPE) Jacket, Add	*16.45*	
33 61 13 00-0449	EA	5" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,859.51	
		For High-Density Polyethylene (HDPE) Jacket, Add	*21.15*	
33 61 13 00-0450	EA	6" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,041.20	
		For High-Density Polyethylene (HDPE) Jacket, Add	*24.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0451	EA	8" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,853.83	
		For High-Density Polyethylene (HDPE) Jacket, Add	*34.73*	
33 61 13 00-0452	EA	10" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,888.54	
		For High-Density Polyethylene (HDPE) Jacket, Add	*44.40*	
33 61 13 00-0453	EA	12" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,945.39	
		For High-Density Polyethylene (HDPE) Jacket, Add	*58.76*	

33 61 13 00-0454 Reducers *(33 61 13 00-0339)*

33 61 13 00-0455 Reducers *(33 61 13 00-0454)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0456	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	298.53	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.05*	
33 61 13 00-0457	EA	1" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	310.67	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.15*	
33 61 13 00-0458	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	358.09	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.72*	
33 61 13 00-0459	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	406.61	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.15*	
33 61 13 00-0460	EA	2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	491.94	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.36*	
33 61 13 00-0461	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	614.45	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.58*	
33 61 13 00-0462	EA	3" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	708.78	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.43*	
33 61 13 00-0463	EA	4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	823.01	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.51*	
33 61 13 00-0464	EA	5" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	962.15	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.65*	
33 61 13 00-0465	EA	6" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,051.58	
		For High-Density Polyethylene (HDPE) Jacket, Add	*10.96*	
33 61 13 00-0466	EA	8" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,464.36	
		For High-Density Polyethylene (HDPE) Jacket, Add	*15.85*	
33 61 13 00-0467	EA	10" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,015.04	
		For High-Density Polyethylene (HDPE) Jacket, Add	*20.26*	
33 61 13 00-0468	EA	12" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,541.13	
		For High-Density Polyethylene (HDPE) Jacket, Add	*26.81*	

33 61 13 00-0469 Reducers *(33 61 13 00-0454)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0470	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	313.73	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.36*	
33 61 13 00-0471	EA	1" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	326.22	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.46*	
33 61 13 00-0472	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	375.78	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.07*	
33 61 13 00-0473	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	425.91	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.53*	
33 61 13 00-0474	EA	2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	512.05	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.76*	
33 61 13 00-0475	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	635.37	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.99*	
33 61 13 00-0476	EA	3" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	732.91	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.92*	
33 61 13 00-0477	EA	4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	851.16	
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.07*	
33 61 13 00-0478	EA	5" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	998.34	
		For High-Density Polyethylene (HDPE) Jacket, Add	*10.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0479	EA	6" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,092.69	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.78*	
33 61 13 00-0480	EA	8" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,523.79	
		For High-Density Polyethylene (HDPE) Jacket, Add	*17.04*	
33 61 13 00-0481	EA	10" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,091.00	
		For High-Density Polyethylene (HDPE) Jacket, Add	*21.78*	
33 61 13 00-0482	EA	12" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,641.67	
		For High-Density Polyethylene (HDPE) Jacket, Add	*28.82*	

33 61 13 00-0483 Reducers *(33 61 13 00-0454)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0484	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	328.92	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.66*	
33 61 13 00-0485	EA	1" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	341.77	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.77*	
33 61 13 00-0486	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	393.48	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.43*	
33 61 13 00-0487	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	445.21	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.92*	
33 61 13 00-0488	EA	2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	532.15	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.17*	
33 61 13 00-0489	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	656.28	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.41*	
33 61 13 00-0490	EA	3" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	757.04	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.40*	
33 61 13 00-0491	EA	4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	879.31	
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.63*	
33 61 13 00-0492	EA	5" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,034.54	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.10*	
33 61 13 00-0493	EA	6" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,134.02	
		For High-Density Polyethylene (HDPE) Jacket, Add	*12.61*	
33 61 13 00-0494	EA	8" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,582.83	
		For High-Density Polyethylene (HDPE) Jacket, Add	*18.22*	
33 61 13 00-0495	EA	10" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,166.59	
		For High-Density Polyethylene (HDPE) Jacket, Add	*23.29*	
33 61 13 00-0496	EA	12" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,742.46	
		For High-Density Polyethylene (HDPE) Jacket, Add	*30.83*	

33 61 13 00-0497 Reducers *(33 61 13 00-0454)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0498	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	344.11	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.96*	
33 61 13 00-0499	EA	1" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	357.32	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.08*	
33 61 13 00-0500	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	411.17	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.78*	
33 61 13 00-0501	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	464.51	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.31*	
33 61 13 00-0502	EA	2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	552.26	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.57*	
33 61 13 00-0503	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	677.19	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.83*	
33 61 13 00-0504	EA	3" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	781.17	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.88*	
33 61 13 00-0505	EA	4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	907.46	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0506	EA	5" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,070.73	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.82*	
33 61 13 00-0507	EA	6" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,175.13	
		For High-Density Polyethylene (HDPE) Jacket, Add	*13.43*	
33 61 13 00-0508	EA	8" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,642.26	
		For High-Density Polyethylene (HDPE) Jacket, Add	*19.41*	
33 61 13 00-0509	EA	10" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,242.55	
		For High-Density Polyethylene (HDPE) Jacket, Add	*24.81*	
33 61 13 00-0510	EA	12" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,843.00	
		For High-Density Polyethylene (HDPE) Jacket, Add	*32.84*	

33 61 13 00-0511 Preinsulated Ductile Iron Carrier Pipe *(33 61 13 00-0052)*

Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.

33 61 13 00-0512 Ductile Iron Carrier Pipe *(33 61 13 00-0511)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0513	LF	4" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	406.76	56.98
33 61 13 00-0514	LF	6" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	600.31	81.83
33 61 13 00-0515	LF	8" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	846.77	98.87
33 61 13 00-0516	LF	10" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	1,100.40	117.66
33 61 13 00-0517	LF	12" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	1,370.04	144.81

33 61 13 00-0518 Ductile Iron Carrier Pipe *(33 61 13 00-0511)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0519	LF	4" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	444.33	57.03
33 61 13 00-0520	LF	6" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	656.13	81.83
33 61 13 00-0521	LF	8" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	928.01	98.87
33 61 13 00-0522	LF	10" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	1,207.61	117.66
33 61 13 00-0523	LF	12" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	1,503.79	144.81
33 61 13 00-0524	LF	14" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	1,657.70	154.51
33 61 13 00-0525	LF	16" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	1,894.56	165.55
33 61 13 00-0526	LF	18" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	2,162.76	176.60
33 61 13 00-0527	LF	20" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	2,401.28	187.63
33 61 13 00-0528	LF	24" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	2,899.54	204.18

33 61 13 00-0529 Preinsulated Ductile Iron Fittings *(33 61 13 00-0052)*

33 61 13 00-0530 Elbows *(33 61 13 00-0529)*

33 61 13 00-0531 Elbows *(33 61 13 00-0530)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0532	EA	4" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	3,899.38
33 61 13 00-0533	EA	6" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	5,501.65
33 61 13 00-0534	EA	8" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	7,882.29
33 61 13 00-0535	EA	10" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	10,257.79
33 61 13 00-0536	EA	12" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	13,419.10

33 61 13 00-0537 Elbows *(33 61 13 00-0530)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0538	EA	4" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	4,363.62
33 61 13 00-0539	EA	6" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	6,179.59
33 61 13 00-0540	EA	8" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	8,862.36

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0541	EA	10" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	11,510.50	
33 61 13 00-0542	EA	12" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	15,077.10	
33 61 13 00-0543	EA	14" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	18,461.07	
33 61 13 00-0544	EA	16" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	22,078.65	
33 61 13 00-0545	EA	18" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	27,635.58	
33 61 13 00-0546	EA	20" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	34,871.86	
33 61 13 00-0547	EA	24" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	44,138.59	

33 61 13 00-0548 Tees *(33 61 13 00-0529)*

33 61 13 00-0549 Tees *(33 61 13 00-0548)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0550	EA	4" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	5,799.18	
33 61 13 00-0551	EA	6" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	8,180.48	
33 61 13 00-0552	EA	8" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	11,716.51	
33 61 13 00-0553	EA	10" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	15,254.28	
33 61 13 00-0554	EA	12" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	19,950.39	

33 61 13 00-0555 Tees *(33 61 13 00-0548)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0556	EA	4" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	6,488.57	
33 61 13 00-0557	EA	6" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	9,187.22	
33 61 13 00-0558	EA	8" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	13,171.91	
33 61 13 00-0559	EA	10" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	17,114.56	
33 61 13 00-0560	EA	12" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	22,412.54	
33 61 13 00-0561	EA	14" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	27,264.29	
33 61 13 00-0562	EA	16" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	32,612.53	
33 61 13 00-0563	EA	18" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	40,821.25	
33 61 13 00-0564	EA	20" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	51,521.75	
33 61 13 00-0565	EA	24" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	65,186.78	

33 61 13 00-0566 Reducers *(33 61 13 00-0529)*

33 61 13 00-0567 Reducers *(33 61 13 00-0566)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0568	EA	4" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	3,276.31	
33 61 13 00-0569	EA	6" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	4,611.61	
33 61 13 00-0570	EA	8" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	6,602.59	
33 61 13 00-0571	EA	10" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	8,604.12	
33 61 13 00-0572	EA	12" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	11,243.08	

33 61 13 00-0573 Reducers *(33 61 13 00-0566)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0574	EA	4" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	3,661.63	
33 61 13 00-0575	EA	6" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	5,174.29	
33 61 13 00-0576	EA	8" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	7,416.03	
33 61 13 00-0577	EA	10" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	9,643.86	
33 61 13 00-0578	EA	12" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	12,619.22	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0579	EA	14" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	15,336.00	
33 61 13 00-0580	EA	16" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	18,332.12	
33 61 13 00-0581	EA	18" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	22,874.39	
33 61 13 00-0582	EA	20" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	28,963.10	
33 61 13 00-0583	EA	24" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	36,695.48	

33 61 13 00-0584 Tempered Water Piping Pre-Insulated *(33 61 13 00-0052)*

33 61 13 00-0585 Fiberglass Reinforced Polyester (FRP) Carrier And Casing, 1" Polyurethane Insulation *(33 61 13 00-0584)*

33 61 13 00-0586	LF	4" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	148.69	23.80
33 61 13 00-0587	LF	6" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	191.67	25.76
33 61 13 00-0588	LF	8" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	269.00	28.46
33 61 13 00-0589	LF	10" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	371.45	35.58
33 61 13 00-0590	LF	12" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	476.61	43.88

33 61 13 00-0591 Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing, 1" Polyurethane Insulation *(33 61 13 00-0584)*

33 61 13 00-0592	LF	4" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	69.64	25.76
33 61 13 00-0593	LF	6" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	84.03	25.76
33 61 13 00-0594	LF	8" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	97.70	25.76
33 61 13 00-0595	LF	10" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	116.85	30.45
33 61 13 00-0596	LF	12" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	141.10	38.65

33 61 13 00-0597 Polyvinyl Chloride (PVC) Carrier And Casing, 1" Polyurethane Insulation *(33 61 13 00-0584)*

33 61 13 00-0598	LF	4" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	69.63	25.76
33 61 13 00-0599	LF	6" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	84.03	25.76
33 61 13 00-0600	LF	8" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	96.52	25.76
33 61 13 00-0601	LF	10" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	116.84	30.45
33 61 13 00-0602	LF	12" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	141.10	38.65

33 70 Electrical Utilities *(33)*

33 71 Electrical Utility Transmission and Distribution *(33 70)*

33 71 19 Electrical Underground Ducts, Ductbanks and Manholes *(33 71)*

Note: Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 71 19 13 Electrical Manholes and Handholes *(33 71 19)*

33 71 19 13-0001 Electrical Handholes And Pull Boxes *(33 71 19 13)*

33 71 19 13-0002 Electrical Pull Boxes *(33 71 19 13-0001)*

See CSI section 33 05 63 00-0427 for handholes.

33 71 19 13-0003	EA	24" x 36" x 24", Electric Pull Boxes, Precast Concrete	2,480.10	519.74
33 71 19 13-0004	EA	24" x 36" x 36", Electric Pull Boxes, Precast Concrete	3,004.57	576.11
33 71 19 13-0005	EA	30" x 48" x 36", Electric Pull Boxes, Precast Concrete	3,508.46	626.21
33 71 19 13-0006	EA	36" x 72" x 24", Electric Pull Boxes, Precast Concrete	5,619.28	751.44
33 71 19 13-0007	EA	36" x 60" x 36", Electric Pull Boxes, Precast Concrete	6,030.91	751.44
33 71 19 13-0008	EA	48" x 48" x 36", Electric Pull Boxes, Precast Concrete	6,505.08	782.75
33 71 19 13-0009	EA	48" x 60" x 48", Electric Pull Boxes, Precast Concrete	7,497.18	876.68

33 71 19 13-0010 Electrical Pull Boxes (CALTRANS) *(33 71 19 13-0001)*

33 71 19 13-0011	EA	Body, CALTRANS 3-1/2 Precast Concrete Pull Box	150.05	
33 71 19 13-0012	EA	Concrete Cover, CALTRANS 3-1/2 Precast Concrete Pull Box	58.86	
33 71 19 13-0013	EA	Bolt Down Concrete Cover, CALTRANS 3-1/2 Precast Concrete Pull Box	90.93	
33 71 19 13-0014	EA	Bolt Down Cast Iron Cover, CALTRANS 3-1/2 Precast Concrete Pull Box	190.13	
33 71 19 13-0015	EA	Bolt Down Steel Cover, CALTRANS 3-1/2 Precast Concrete Pull Box	292.98	
		For Galvanized Steel Cover, Add	*49.79*	
33 71 19 13-0016	EA	12" Extension, CALTRANS 3-1/2 Precast Concrete Pull Box	75.11	
33 71 19 13-0017	EA	Flat Plate Base, CALTRANS 3-1/2 Precast Concrete Pull Box	75.11	
33 71 19 13-0018	EA	Body, CALTRANS 5 Precast Concrete Pull Box	215.04	
33 71 19 13-0019	EA	Concrete Cover, CALTRANS 5 Precast Concrete Pull Box	78.33	
33 71 19 13-0020	EA	Bolt Down Concrete Cover, CALTRANS 5 Precast Concrete Pull Box	110.40	
33 71 19 13-0021	EA	Bolt Down Steel Cover, CALTRANS 5 Precast Concrete Pull Box	387.91	
		For Galvanized Steel Cover, Add	*91.29*	
33 71 19 13-0022	EA	12" Extension, CALTRANS 5 Precast Concrete Pull Box	105.54	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 71 19 13-0023	EA	Flat Plate Base, CALTRANS 5 Precast Concrete Pull Box	98.84	
33 71 19 13-0024	EA	Body, CALTRANS 6 Precast Concrete Pull Box	234.51	
33 71 19 13-0025	EA	Concrete Cover, CALTRANS 6 Precast Concrete Pull Box	104.50	
33 71 19 13-0026	EA	Bolt Down Concrete Cover, CALTRANS 6 Precast Concrete Pull Box	136.57	
33 71 19 13-0027	EA	Bolt Down Steel Cover, CALTRANS 6 Precast Concrete Pull Box	531.54	
		For Galvanized Steel Cover, Add	*127.80*	
33 71 19 13-0028	EA	12" Extension, CALTRANS 6 Precast Concrete Pull Box	125.01	
33 71 19 13-0029	EA	Flat Plate Base, CALTRANS 6 Precast Concrete Pull Box	117.71	
33 71 19 13-0030	EA	6" Return Flat Plate Base, CALTRANS 6 Precast Concrete Pull Box	161.53	
33 71 19 13-0031	EA	Body, CALTRANS 3-1/2-T Precast Concrete Pull Box	328.36	
33 71 19 13-0032	EA	Bolt Down Concrete Cover, CALTRANS 3-1/2-T Precast Concrete Pull Box	465.81	
33 71 19 13-0033	EA	12" Extension, CALTRANS 3-1/2-T Precast Concrete Pull Box	149.35	
33 71 19 13-0034	EA	Flat Plate Base, CALTRANS 3-1/2-T Precast Concrete Pull Box	137.18	
33 71 19 13-0035	EA	Body, CALTRANS 5-T Precast Concrete Pull Box	429.25	
33 71 19 13-0036	EA	Bolt Down Concrete Cover, CALTRANS 5-T Precast Concrete Pull Box	672.73	
33 71 19 13-0037	EA	12" Extension, CALTRANS 5-T Precast Concrete Pull Box	178.57	
33 71 19 13-0038	EA	Flat Plate Base, CALTRANS 5-T Precast Concrete Pull Box	173.70	
33 71 19 13-0039	EA	Body, CALTRANS 6-T Precast Concrete Pull Box	606.96	
33 71 19 13-0040	EA	Bolt Down Concrete Cover, CALTRANS 6-T Precast Concrete Pull Box	940.50	
33 71 19 13-0041	EA	12" Extension, CALTRANS 6-T Precast Concrete Pull Box	300.28	
33 71 19 13-0042	EA	Flat Plate Base, CALTRANS 6-T Precast Concrete Pull Box	234.55	

33 71 19 13-0043 Electrical Property Line Boxes *(33 71 19 13)*

33 71 19 13-0044	EA	3'-6" x 2'-9" x 2' Deep Property Line Box	5,366.65	422.69
33 71 19 13-0045	EA	4'-6" x 3'-6" x 4' Deep Property Line Box	6,321.34	438.34
33 71 19 13-0046	EA	6' x 4' x 5' Deep Property Line Box	6,923.13	532.27
33 71 19 13-0047	EA	11'-6" x 4'-6" x 6' Deep Property Line Box	10,608.10	782.75

33 71 19 13-0048 Manhole Accessories *(33 71 19 13)*

33 71 19 13-0049	EA	6" Precast Grade Ring Riser Casting	523.38	151.28
33 71 19 13-0050	EA	12" Precast Grade Ring Riser Casting	566.81	163.89
33 71 19 13-0051	EA	36" Opening Cast Iron Frame And Cover (NEENAH #R-1640-D)	2,134.15	252.14
33 71 19 13-0052	EA	42" Opening Cast Iron Frame And Cover (NEENAH #R-1740-E1)	2,782.14	315.17
33 71 19 13-0053	EA	Cast Iron Adjusting Ring (NEENAH #R-1979)	913.49	168.30
33 71 19 13-0054	EA	Cast Iron Frame And Cover (NEENAH #R-1640-B)	1,156.52	189.10

33 71 19 23 Trenched Electrical Underground Duct and Ductbanks *(33 71 19)*

33 71 19 23-0001 Underground Ductbank *(33 71 19 23)*

Note: Installation of single or multiple configuration underground utility raceways assembly to have minimum 3" concrete leveling base and encased in concrete envelope. Based on minimum 100' run, minimum 30" bury depth. Includes installation in trench using the appropriate supports, cleaning to remove any obstructions and installation of nylon pull string. Excludes trenching, concrete, backfilling, grading and seeding. Duct Banks are to be installed according to the appropriate sections of the accompanying specifications. Individual rows to be stacked for larger duct bank configurations. See CSI section 03 30 53 00-0001 for concrete.

33 71 19 23-0002 Rigid Galvanized Steel Conduit, Galvanized Rigid Conduit (GRC) Or Rigid Galvanized Steel (RGS), Duct Bank *(33 71 19 23-0001)*

Note: Includes appropriate spacers and fittings.

33 71 19 23-0003	LF	2 At 2", Rigid Galvanized Conduit Duct Bank	35.42
33 71 19 23-0004	LF	4 At 2", Rigid Galvanized Conduit Duct Bank	70.87
33 71 19 23-0005	LF	2 At 3", Rigid Galvanized Conduit Duct Bank	72.97
33 71 19 23-0006	LF	4 At 3", Rigid Galvanized Conduit Duct Bank	146.35
33 71 19 23-0007	LF	2 At 4", Rigid Galvanized Conduit Duct Bank	107.40
33 71 19 23-0008	LF	4 At 4", Rigid Galvanized Conduit Duct Bank	215.97
33 71 19 23-0009	LF	6 At 4", Rigid Galvanized Conduit Duct Bank	324.65
33 71 19 23-0010	LF	2 At 5", Rigid Galvanized Conduit Duct Bank	201.30
33 71 19 23-0011	LF	4 At 5", Rigid Galvanized Conduit Duct Bank	401.44
33 71 19 23-0012	LF	6 At 5", Rigid Galvanized Conduit Duct Bank	617.92
33 71 19 23-0013	LF	2 At 6", Rigid Galvanized Conduit Duct Bank	286.11
33 71 19 23-0014	LF	4 At 6", Rigid Galvanized Conduit Duct Bank	574.30
33 71 19 23-0015	LF	6 At 6", Rigid Galvanized Conduit Duct Bank	854.48

33 71 19 23-0016 Polyvinyl Chloride (PVC), Type EB-20 Duct Bank System *(33 71 19 23-0001)*

Note: Includes appropriate spacers and fittings.

33 71 19 23-0017	LF	1 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	8.37
33 71 19 23-0018	LF	2 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	18.34
33 71 19 23-0019	LF	4 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	35.26
33 71 19 23-0020	LF	1 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	11.10
33 71 19 23-0021	LF	2 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	22.16
33 71 19 23-0022	LF	4 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	45.00
33 71 19 23-0023	LF	1 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	14.93
33 71 19 23-0024	LF	2 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	29.87
33 71 19 23-0025	LF	4 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	59.80
33 71 19 23-0026	LF	6 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	89.67
33 71 19 23-0027	LF	1 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	18.99
33 71 19 23-0028	LF	2 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	37.95
33 71 19 23-0029	LF	4 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	73.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 71 19 23-0030	LF	6 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	104.56	
33 71 19 23-0031	LF	1 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	33.42	
33 71 19 23-0032	LF	2 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	51.53	
33 71 19 23-0033	LF	4 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	103.28	
33 71 19 23-0034	LF	6 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	166.45	
33 71 19 23-0035		Polyvinyl Chloride (PVC), Type DB-60 Duct Bank System *(33 71 19 23-0001)*		
		Note: Includes appropriate spacers and fittings.		
33 71 19 23-0036	LF	1 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	9.30	
33 71 19 23-0037	LF	2 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	20.28	
33 71 19 23-0038	LF	4 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	38.89	
33 71 19 23-0039	LF	1 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	11.56	
33 71 19 23-0040	LF	2 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	23.08	
33 71 19 23-0041	LF	4 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	46.00	
33 71 19 23-0042	LF	1 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	15.33	
33 71 19 23-0043	LF	2 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	30.68	
33 71 19 23-0044	LF	4 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	61.42	
33 71 19 23-0045	LF	6 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	92.11	
33 71 19 23-0046	LF	1 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	19.60	
33 71 19 23-0047	LF	2 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	39.17	
33 71 19 23-0048	LF	4 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	76.00	
33 71 19 23-0049	LF	6 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	108.24	
33 71 19 23-0050	LF	1 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	34.27	
33 71 19 23-0051	LF	2 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	53.29	
33 71 19 23-0052	LF	4 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	106.80	
33 71 19 23-0053	LF	6 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	171.73	
33 71 19 23-0054		Male Or Female Adapters *(33 71 19 23-0001)*		
33 71 19 23-0055	EA	2" Adapter	44.29	
33 71 19 23-0056	EA	3" Adapter	65.01	
33 71 19 23-0057	EA	4" Adapter	84.42	
33 71 19 23-0058	EA	5" Adapter	132.79	
33 71 19 23-0059	EA	6" Adapter	163.43	
33 71 19 23-0060		Underground Electrical Concrete Markers *(33 71 19 23)*		
33 71 19 23-0061	EA	36" x 6" x 6", Underground Electric Concrete Marker	377.78	

END OF SECTION 33

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

34 Transportation

34 40 Transportation Signaling and Control Equipment *(34)*

34 41 Roadway Signaling and Control Equipment *(34 40)*

34 41 13 Traffic Signals *(34 41)*

34 41 13 00-0001 Traffic Signals *(34 41 13)*

34 41 13 00-0002	EA	Single Traffic Signal Head, 4 Way Pattern	8,098.18	836.31

34 41 13 00-0003 Traffic Detector Induction Loop *(34 41 13)*

34 41 13 00-0004	EA	6' x 6', Type A, 3 Turns Per Loop, Traffic Detector Induction Loop Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	446.18	
34 41 13 00-0005	EA	6' x 6', Type D, 3 Turns Per Loop, Traffic Detector Induction Loop Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	556.72	
34 41 13 00-0006	EA	6' x 6', Type D, 5 Turns Per Loop, Traffic Detector Induction Loop Note: Includes saw cutting, 5 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	626.48	
34 41 13 00-0007	EA	6' x 6', Type Q, 3 Turns Per Loop, Traffic Detector Induction Loop Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	545.85	
34 41 13 00-0008	EA	6' x 20', Type C, 3 Turns Per Loop, Traffic Detector Induction Loop Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	947.21	
34 41 13 00-0009	EA	6' x 28', Type C, 2 Turns Per Loop, Traffic Detector Induction Loop Note: Includes saw cutting, 2 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	1,166.87	
34 41 13 00-0010	EA	6' x 28', Type C, 3 Turns Per Loop, Traffic Detector Induction Loop Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	1,238.77	
34 41 13 00-0011	EA	6' x 40', Type C, 1 Turn Per Loop, Traffic Detector Induction Loop Note: Includes saw cutting, 1 turn wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	1,551.18	
34 41 13 00-0012	EA	6' x 40', Type C, 2 Turns Per Loop, Traffic Detector Induction Loop Note: Includes saw cutting, 2 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	1,657.16	
34 41 13 00-0013	EA	6' x 50', Type C, 1 Turn Per Loop, Traffic Detector Induction Loop Note: Includes saw cutting, 1 turn wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	1,783.48	
34 41 13 00-0014	EA	6' x 50', Type C, 2 Turns Per Loop, Traffic Detector Induction Loop Note: Includes saw cutting, 2 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	1,912.95	
34 41 13 00-0015	LF	In Pavement, Lead Wire For Traffic Signal Detector Note: Includes saw cutting, sealing and splicing into traffic signal loop wire in street. Excludes junction box or conduit.	8.75	
34 41 13 00-0016	LF	In Earthwork, Lead Wire For Traffic Signal Detector Note: Includes trenching in earthwork and splicing into traffic signal loop wire. Excludes junction box or conduit.	3.78	
34 41 13 00-0017	EA	2 Channel, Rack Mounted, Traffic Loop Vehicle Detector (Reno A&E Model 222)	287.09	
34 41 13 00-0018	EA	4 Channel, Rack Mounted, Traffic Loop Vehicle Detector (Reno A&E Model E-1100)	818.43	
34 41 13 00-0019	EA	2 Channel, Rack Mounted, Traffic Loop Bicycle Detector (Reno A&E Model C-1100)	506.67	

34 41 13 00-0020 Overhead Traffic Signals *(34 41 13)*

34 41 13 00-0021	EA	Vehicle Signal Face, LED, 1 - 12" Section	592.55	177.71
34 41 13 00-0022	EA	Vehicle Signal Face, LED, 2 - 12" Sections	968.97	250.90
34 41 13 00-0023	EA	Vehicle Signal Face, LED, 3 - 12" Sections	1,364.55	306.65
34 41 13 00-0024	EA	Vehicle Signal Face, LED, 3 - 12" Sections, Middle Section Blank	1,294.12	306.65
34 41 13 00-0025	EA	Vehicle Signal Face, LED, 4 - 12" Sections	1,739.45	341.49
34 41 13 00-0026	EA	Vehicle Signal Face, LED, 5 - 12" Sections	2,086.47	362.40
34 41 13 00-0027	EA	Vehicle Signal Face, LED, 5 - 12" Sections, Cluster	2,222.63	362.40
34 41 13 00-0028	EA	Vehicle Signal Face, LED, 1 - 8" Section	557.33	177.71
34 41 13 00-0029	EA	Vehicle Signal Face, LED, 2 - 8" Sections	898.54	250.90
34 41 13 00-0030	EA	Vehicle Signal Face, LED, 3 - 8" Sections	1,193.17	306.65
34 41 13 00-0031	EA	Vehicle Signal Face, LED, 2 - 8" Sections, 1 - 12" Section	1,280.04	306.65
34 41 13 00-0032	EA	Vehicle Signal Face, LED, 2 - 8" Sections, 2 - 12" Sections	1,589.20	341.49
34 41 13 00-0033	EA	Vehicle Signal Face, LED, 3 - 8" Sections, 1 - 12" Section	1,539.90	341.49
34 41 13 00-0034	EA	Vehicle Signal Face, LED, 3 - 8" Sections, 2 - 12" Sections	1,828.22	362.40
34 41 13 00-0035	EA	Vehicle Signal Face, LED, 3 - 8" Sections, 2 - 12" Sections In Cluster	1,938.56	362.40
34 41 13 00-0036	EA	Vehicle Signal Face, LED, 3 - 12" Sections, Optically Programmed	2,820.13	306.65
34 41 13 00-0037	EA	Vehicle Signal Face, LED, 4 - 12" Sections, Optically Programmed	3,695.09	341.49
34 41 13 00-0038	EA	Vehicle Signal Face, LED, 5 - 12" Sections, Optically Programmed	4,833.28	362.40
34 41 13 00-0039	EA	Vehicle Signal Face, LED, 5 - 12" Sections In Cluster, Optically Programmed	5,244.12	362.40
34 41 13 00-0040	EA	Bracket Signal Mounting Assembly	574.58	139.39
34 41 13 00-0041	EA	Mast Arm Signal Mounting Assembly	1,012.99	278.77
34 41 13 00-0042	EA	Top Pole Signal Mounting Assembly	354.63	104.54
34 41 13 00-0043	EA	Pedestrian Signal Head	1,052.04	209.07

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0044	EA	Pedestrian Signal Insert	652.79	104.54
34 41 13 00-0045	EA	Audible Pedestrian Signal	1,455.66	
34 41 13 00-0046	EA	Junction Box, Pole Or Post Mounted	605.29	
34 41 13 00-0047	EA	Pedestrian Push Button	540.66	
34 41 13 00-0048	EA	Illuminated Sign, Bracket Mounted, Symbolic	4,397.87	
34 41 13 00-0049	EA	Illuminated Sign, Mast Arm Mounted, Symbolic	4,585.86	
34 41 13 00-0050	EA	Sign, Message, "BLANK OUT", Bracket Mounted	4,848.35	
34 41 13 00-0051	EA	Sign, Message, "BLANK OUT", Mast Arm Mounted	5,151.85	
34 41 13 00-0052	EA	Sign, Fiber Optic, Bracket Mounted	5,531.81	
34 41 13 00-0053	EA	Sign, Fiber Optic, Mast Arm Mounted	5,841.64	
34 41 13 00-0054	EA	16' Pedestal With Base Plate And Cover	1,853.08	192.35
34 41 13 00-0055	EA	30' Type 15TS Signal And Lighting Standard Note: 8" diameter base and 3-7/8" diameter top. 0.1793" wall thickness.	8,302.55	
34 41 13 00-0056	EA	35' Type 21TS Signal And Lighting Standard Note: 9-3/8" diameter base and 3-9/16" diameter top. 0.1793" wall thickness.	9,676.83	
34 41 13 00-0057	EA	17' Type 18-2-100 Signal And Lighting Standard Note: 10-3/4" diameter base and 8-7/16" diameter top. 0.1793" wall thickness.	4,627.80	
34 41 13 00-0058	EA	17' Type 18-3-100 Signal And Lighting Standard Note: 10-3/4" diameter base and 8-7/16" diameter top. 0.2391" wall thickness.	5,158.41	
34 41 13 00-0059	EA	17' Type 18-4-100 Or 23-4-100 Signal And Lighting Standard Note: 12" diameter base and 9" diameter top. 0.2391" wall thickness.	5,361.81	
34 41 13 00-0060	EA	17' Type 23-3-100 Signal And Lighting Standard Note: 12" diameter base and 9-5/8" diameter top. 0.2391" wall thickness.	5,361.81	
34 41 13 00-0061	EA	17' Type 23-4-100 Signal And Lighting Standard Note: 12" diameter base and 9-5/8" diameter top. 0.2391" wall thickness.	5,468.60	
34 41 13 00-0062	EA	17' Type 27-3-100 Signal And Lighting Standard Note: 12-1/8" diameter base and 9-3/4" diameter top. 0.3125" wall thickness.	6,002.54	
34 41 13 00-0063	EA	17' Type 27-4-100 Signal And Lighting Standard Note: 13-1/2" diameter base and 9-3/4" diameter top. 0.3125" wall thickness.	6,125.32	
34 41 13 00-0064	EA	17' Type 28-5-100 Signal And Lighting Standard Note: 14" diameter base and 11-11/16" diameter top. 0.3125" wall thickness.	6,377.08	
34 41 13 00-0065	EA	17' Type 60-5-100 Signal And Lighting Standard Note: 16" diameter base and 13-11/16" diameter top. 0.3125" wall thickness.	6,773.59	
34 41 13 00-0066	EA	18'-6" Type 16-2-100 Or 16-3-100 Signal And Lighting Standard Note: 10-3/4" diameter base and 8-1/4" diameter top. 0.1793" wall thickness.	4,939.94	
34 41 13 00-0067	EA	30' Type 17-2-100 Or 17-3-100 Signal And Lighting Standard Note: 10-3/4" diameter base and 6-5/8" diameter top. 0.1793" wall thickness.	8,859.69	
34 41 13 00-0068	EA	30' Type 19-2-100 Signal And Lighting Standard Note: 10-3/4" diameter base and 6-5/8" diameter top. 0.2391" wall thickness.	9,973.97	
34 41 13 00-0069	EA	30' Type 19-3-100 Or 24-3-100 Signal And Lighting Standard Note: 12" diameter base and 7-7/8" diameter top. 0.2391" wall thickness.	10,401.11	
34 41 13 00-0070	EA	30' Type 19-4-100 Or 24-4-100 Signal And Lighting Standard Note: 12" diameter base and 8" diameter top. 0.2391" wall thickness.	10,401.11	
34 41 13 00-0071	EA	30' Type 26-3-100 Signal And Lighting Standard Note: 12-1/8" diameter base and 8" diameter top. 0.3125" wall thickness.	11,746.60	
34 41 13 00-0072	EA	30' Type 26-4-100 Signal And Lighting Standard Note: 13-1/2" diameter base and 8" diameter top. 0.3125" wall thickness.	12,262.39	
34 41 13 00-0073	EA	30' Type 29-5-100 Signal And Lighting Standard Note: 14" diameter base and 9-7/8" diameter top. 0.3125" wall thickness.	12,803.93	
34 41 13 00-0074	EA	30' Type 61-5-100 Signal And Lighting Standard Note: 16" diameter base and 11-7/8" diameter top. 0.3125" wall thickness.	13,656.90	
34 41 13 00-0075	EA	35' Type 17A-2-100 Signal And Lighting Standard Note: 10-3/4" diameter base and 5-15/16" diameter top. 0.1793" wall thickness.	10,302.23	
34 41 13 00-0076	EA	35' Type 19A-2-100 Signal And Lighting Standard Note: 10-3/4" diameter base and 5-15/16" diameter top. 0.2391" wall thickness.	11,602.22	
34 41 13 00-0077	EA	35' Type 19A-3-100 Or 24A-3-100 Signal And Lighting Standard Note: 12" diameter base and 7-3/16" diameter top. 0.2391" wall thickness.	12,100.57	
34 41 13 00-0078	EA	35' Type 19A-4-100 Or 24A-4-100 Signal And Lighting Standard Note: 12" diameter base and 7-5/16" diameter top. 0.2391" wall thickness.	12,100.57	
34 41 13 00-0079	EA	35' Type 26A-3-100 Signal And Lighting Standard Note: 12-1/8" diameter base and 7-5/16" diameter top. 0.3125" wall thickness.	13,670.29	
34 41 13 00-0080	EA	35' Type 26A-4-100 Signal And Lighting Standard Note: 13-1/2" diameter base and 7-5/16" diameter top. 0.3125" wall thickness.	14,272.04	
34 41 13 00-0081	EA	35' Type 29A-5-100 Signal And Lighting Standard Note: 14" diameter base and 9-3/16" diameter top. 0.3125" wall thickness.	14,903.86	
34 41 13 00-0082	EA	35' Type 61A-5-100 Signal And Lighting Standard Note: 16" diameter base and 11" diameter top. 0.3125" wall thickness.	15,898.96	
34 41 13 00-0083	EA	15' Steel Straight Mast Arm, MONOTUBE	3,317.44	
34 41 13 00-0084	EA	20' Steel Straight Mast Arm, MONOTUBE	3,481.72	
34 41 13 00-0085	EA	25' Steel Straight Mast Arm, MONOTUBE	3,733.87	
34 41 13 00-0086	EA	30' Steel Straight Mast Arm, MONOTUBE	5,084.09	
34 41 13 00-0087	EA	35' Steel Straight Mast Arm, MONOTUBE	6,140.75	
34 41 13 00-0088	EA	40' Steel Straight Mast Arm, MONOTUBE	6,598.38	
34 41 13 00-0089	EA	45' Steel Straight Mast Arm, MONOTUBE	7,247.57	
34 41 13 00-0090	EA	4' Steel Curved Luminaire Mast Arm	1,128.43	
34 41 13 00-0091	EA	6' Steel Curved Luminaire Mast Arm	1,469.77	
		For High Rise Arm, Add	*132.65*	
34 41 13 00-0092	EA	8' Steel Curved Luminaire Mast Arm	1,838.98	
34 41 13 00-0093	EA	10' Steel Curved Luminaire Mast Arm	2,496.76	
		For High Rise Arm, Add	*195.26*	
34 41 13 00-0094	EA	12' Steel Curved Luminaire Mast Arm	2,768.78	
		For High Rise Arm, Add	*230.28*	
34 41 13 00-0095	EA	15' Steel Curved Luminaire Mast Arm	2,907.10	
		For High Rise Arm, Add	*256.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0096	EA	15' Tubular Aluminum Post	1,187.00	
34 41 13 00-0097	EA	17' Tubular Aluminum Post	1,261.56	
34 41 13 00-0098	EA	20' Tubular Aluminum Post	1,400.03	
34 41 13 00-0099	EA	CUT-OFF POLE AND CAPPED	198.96	
34 41 13 00-0100	EA	PAINT EXISTING SL/TS CONTROLLER COMPLETE	59.93	
34 41 13 00-0101	EA	PAINT EXISTING TS POST COMPLETE	281.98	
34 41 13 00-0102	EA	1 Channel Loop Detector Amplifier	1,879.37	
34 41 13 00-0103	EA	4 Channel Loop Detector Amplifier	3,568.59	
34 41 13 00-0104	EA	FLASHING BEACON WITH DOWNLIGHT	2,576.96	
34 41 13 00-0105	EA	Flashing Beacon, Bracket Mounted	844.42	
34 41 13 00-0106	EA	Flashing Beacon, Mast Arm Mounted	844.42	
34 41 13 00-0107	EA	Flashing Beacon, Solar Powered, Bracket Mounted	23,382.94	
34 41 13 00-0108	EA	Wireless Access Point (Proxim Tsunami MP11 954-BSUR-US)	4,279.35	
34 41 13 00-0109	EA	Ruggedized Subscriber Unit (Proxim Tsunami MP11 954-SUA-US)	2,297.71	
34 41 13 00-0110	EA	Smart Sensor HD (Wavetronix HD125)	12,233.34	
34 41 13 00-0111	EA	Access Point (Sensys AP240-ES)	5,656.53	
		Note: RJ45 port supports simultaneous Ethernet and CC card communications (split via Access Box) combined with data relay, statistics-processing and VPN functionality.		
34 41 13 00-0112	EA	Sensys Access Point AP240-ESC-VER - RJ45 port supports simultaneous Ethernet and CC card communications (split via Access Box) combined with data relay, statistics-processing and VPN functionality with Integrated 1xRTT cellular data modem for data relay via CDMA	9,786.50	
34 41 13 00-0113	EA	Mounting Kit for Access Points and Repeaters (KIT-MTG)	346.39	
34 41 13 00-0114	EA	Repeater (Sensys RP240-B-LL)	2,591.47	
		Note: Nominal battery capacity of 171 Ah with seven (7) year battery-life.		
34 41 13 00-0115	EA	Wireless Flush Mounted Sensor (Sensys VSN240-F)	1,158.51	
		Note: Excludes coring.		
34 41 13 00-0116	EA	Sensor Mounting Bracket, Cable, Lightning Surge Protector, Power Supply, Breaker, AC Surge Protector, Din Rail and Power Plug	2,894.50	
34 41 13 00-0117	EA	Pole Base Foundation for 17-2-80, 17-2-100, 19-2-80 Poles	7,712.26	1.84
34 41 13 00-0118	EA	Pole Base Foundation for 17-3-80, 19-3-80, 26-3-80 & 26-4-80 Poles	10,085.73	1.84
34 41 13 00-0119	EA	Pole Base Foundation for Type 15 and 21 Poles	6,023.75	1.84
34 41 13 00-0120	EA	Pole Base Foundation for 18-4-100, 19-4-100, 23-4-100, And 24-4-100 Poles	7,712.26	1.84
34 41 13 00-0121	EA	Pole Base Foundation for 26-4-100 And 27-4-100 Poles	10,085.73	1.84
34 41 13 00-0122	EA	LED Enhanced Pedestrian Crossing Symbol Sign	2,039.51	115.18
		Note: 2 required per system.		
34 41 13 00-0123	EA	42" Height, 8-1/2" Diameter Automatic Bollard Activation System	5,864.46	691.08
		Note: 4 required per system.		
34 41 13 00-0124	EA	Power Control Unit With Enclosure (Solar)	20,790.52	460.71
		Note: LightGuard Systems solar power equipment Includes: one solar array consisting of 1 Siemens SP70 solar power module (21" x 47" to be pole mounted, pole not included), #14 AWG solar tray cable, mounting hardware, one enclosure (16-1/2" width x 27-1/2" height x 15" depth), two 12V 80AH deep cycle gel cell batteries and a solar power control unit (PCU).		
34 41 13 00-0125	EA	Power Control Unit With Enclosure (A/C)	13,320.24	460.71
34 41 13 00-0126	EA	Push Button Assembly With Sign	1,158.14	230.36
34 41 13 00-0127	EA	Advanced Warning Signs	2,305.03	230.36
34 41 13 00-0128	EA	Traffic Signal Controller Unit, TS 2 Type 1 (ASC/3-1000)	6,602.79	
34 41 13 00-0129	EA	Traffic Signal Controller Unit, TS 2 Type 2 (ASC/3-2100)	6,802.34	
34 41 13 00-0130	EA	Traffic Signal Controller Unit, TS 2 Type 2 Econolite Model ASC/2S-2100	61,304.20	
34 41 13 00-0131	EA	Optical Detector For Mast Arm Mounting, 1 Channel, 1 Way	1,235.11	
34 41 13 00-0132	EA	Optical Detector For Mast Arm Mounting, 1 Channel, 2 Way	1,352.50	
34 41 13 00-0133	EA	Optical Detector For Mast Arm Mounting, 2 Channel	1,737.52	
34 41 13 00-0134	EA	2 Channel Phase Selector	3,995.43	
34 41 13 00-0135	EA	4 Channel Phase Selector	6,214.00	
34 41 13 00-0136	EA	Malfunction Management Unit For Use With NEMA Controller	2,004.23	
34 41 13 00-0137	EA	Optical Detector For Pole-Side Mounting, 1 Channel, 1 Way	1,235.11	252.14
34 41 13 00-0138	EA	Optical Detector For Pole-Side Mounting, 1 Channel, 2 Way	1,352.50	252.14
34 41 13 00-0139	EA	Optical Detector For Pole-Side Mounting, 2 Channel	1,737.52	252.14
34 41 13 00-0140	EA	Optical Detector For Pedestal Or Pipe Mounting, 1 Channel, 1 Way	1,235.11	252.14
34 41 13 00-0141	EA	Optical Detector For Pedestal Or Pipe Mounting, 1 Channel, 2 Way	1,352.50	252.14
34 41 13 00-0142	EA	Optical Detector For Pedestal Or Pipe Mounting, 2 Channel	1,737.52	252.14
34 41 13 00-0143	EA	Optical Detector For Span Wire Mounting, 1 Channel, 1 Way	1,235.11	252.14
34 41 13 00-0144	EA	Optical Detector For Span Wire Mounting, 1 Channel, 2 Way	1,352.50	252.14
34 41 13 00-0145	EA	Optical Detector For Span Wire Mounting, 2 Channel	1,737.52	252.14
34 41 13 00-0146	EA	Optical Detector For Signal Top Mounting, 1 Channel, 1 Way	1,235.11	252.14
34 41 13 00-0147	EA	Optical Detector For Signal Top Mounting, 1 Channel, 2 Way	1,352.50	252.14
34 41 13 00-0148	EA	Optical Detector For Signal Top Mounting, 2 Channel	1,737.52	252.14
34 41 13 00-0149	EA	Time Switch, 1-Circuit	254.16	
34 41 13 00-0150	EA	Digital Loop-Type Vehicle Detector Card, 2-Channel, Normal	402.46	
34 41 13 00-0151	EA	Digital Loop-Type Vehicle Detector Card, 2-Channel, Stretch/Delay	526.88	
34 41 13 00-0152	EA	Digital Loop-Type Vehicle Detector Card, 4-Channel, Normal	749.92	
34 41 13 00-0153	EA	Digital Loop-Type Vehicle Detector Card, 4-Channel, Stretch/Delay	942.43	
34 41 13 00-0154	EA	Digital Loop-Type Vehicle Detector Card Rack With Power Supply	2,562.34	
34 41 13 00-0155	EA	Digital Loop-Type Vehicle Detector Card Rack With Power Supply For Remote Detector Cabinet	2,562.34	
34 41 13 00-0156	EA	Power Line Surge Protector - Edco SHP 300-10	235.81	
34 41 13 00-0157	EA	Loop Detector Surge Protector - Edco SRA-6LC	119.51	
34 41 13 00-0158	EA	Controller Cabinet (Econolite Type "O")	35,122.46	
34 41 13 00-0159	EA	Controller Cabinet With 1 Detector Rack And 1 Load Switch Bay	15,221.01	
34 41 13 00-0160	EA	Controller Cabinet With 1 Detector Rack And 2 Load Switch Bays	16,559.19	
34 41 13 00-0161	EA	Controller Cabinet With 2 Detector Racks And 1 Load Switch Bay	18,167.37	
34 41 13 00-0162	EA	Controller Cabinet With 2 Detector Racks And 2 Load Switch Bays	18,660.39	
34 41 13 00-0163	EA	Speed Limit Beacon Control Cabinet	7,541.87	
34 41 13 00-0164	EA	Remote Detector Cabinet	3,902.94	

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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0165	EA	Traffic Signal Hand Control	1,100.47	
34 41 13 00-0166	EA	Extra Pedestrian Detector Isolation Assembly	865.69	
34 41 13 00-0167	EA	Fiber Optic Transceivers-Repeater Module	1,240.52	
34 41 13 00-0168	EA	Field Transceiver-Repeater	606.55	
34 41 13 00-0169	EA	Load Switch	110.47	
34 41 13 00-0170	EA	30" Pedestal With Base Plate And Cover	964.78	
34 41 13 00-0171	EA	8' Pedestal With Base Plate And Cover	1,419.62	
34 41 13 00-0172	EA	11' Pedestal With Base Plate And Cover	1,580.07	
34 41 13 00-0173	EA	15' Pedestal With Base Plate And Cover	1,755.26	
34 41 13 00-0174	LF	6-Fiber Interconnect Cable, Fiber Optic, Single Mode	1.75	
34 41 13 00-0175	LF	12-Fiber Interconnect Cable, Fiber Optic, Single Mode	1.87	
34 41 13 00-0176	LF	24-Fiber Interconnect Cable, Fiber Optic, Single Mode	2.24	
34 41 13 00-0177	LF	36-Fiber Interconnect Cable, Fiber Optic, Single Mode	2.64	
34 41 13 00-0178	LF	48-Fiber Interconnect Cable, Fiber Optic, Single Mode	3.02	
34 41 13 00-0179	LF	72-Fiber Interconnect Cable, Fiber Optic, Single Mode	3.73	
34 41 13 00-0180	LF	96-Fiber Interconnect Cable, Fiber Optic, Single Mode	4.39	
34 41 13 00-0181	LF	144-Fiber Interconnect Cable, Fiber Optic, Single Mode	5.72	
34 41 13 00-0182	LF	3/16" Diameter Messenger Cable	0.75	0.11
34 41 13 00-0183	LF	1/4" Diameter Messenger Cable	0.90	0.11
34 41 13 00-0184	LF	3/8" Diameter Messenger Cable	1.68	0.11
34 41 13 00-0185	LF	1/2" Diameter Messenger Cable	3.50	0.22
34 41 13 00-0186	EA	4' Diameter x 10' Concrete Base For Poles Note: Includes drilling in earth, rebar, bolts, forms for exposed base, bolts and concrete.	3,093.29	
34 41 13 00-0187	EA	4' Diameter x 16' Concrete Base For Poles Note: Includes drilling in earth, rebar, bolts, forms for exposed base, bolts and concrete.	4,888.49	
34 41 13 00-0188	EA	Internally Illuminated Street Name Sign, 1 Line, 4'	2,999.15	278.77
34 41 13 00-0189	EA	Internally Illuminated Street Name Sign, 1 Line, 6'	3,701.99	348.46
34 41 13 00-0190	EA	Internally Illuminated Street Name Sign, 1 Line, 8'	4,029.18	418.16
34 41 13 00-0191	EA	Internally Illuminated Street Name Sign, 1 Line, 10'	4,544.20	487.84
34 41 13 00-0192	EA	Internally Illuminated Street Name Sign, 1 Line, 12'	4,871.40	557.54
34 41 13 00-0193	EA	Internally Illuminated Street Name Sign, 2 Line, 4'	4,774.01	278.77
34 41 13 00-0194	EA	Internally Illuminated Street Name Sign, 2 Line, 6'	5,880.65	348.46
34 41 13 00-0195	EA	Internally Illuminated Street Name Sign, 2 Line, 8'	6,339.32	418.16
34 41 13 00-0196	EA	Internally Illuminated Street Name Sign, 2 Line, 10'	7,079.72	487.84
34 41 13 00-0197	EA	Internally Illuminated Street Name Sign, 2 Line, 12'	7,594.73	557.54
34 41 13 00-0198	EA	Photoelectric Controller, Multi-Volt	100.78	32.78
34 41 13 00-0199	EA	Photoelectric Controller, 120 Volt	104.29	32.78
34 41 13 00-0200	EA	Photoelectric Controller, 480 Volt	104.29	32.78
34 41 13 00-0201	EA	Wi-Fi Communication Unit	1,567.66	139.39
34 41 13 00-0202	EA	Wi-Fi Communication Unit Mounting Bracket	326.45	104.54
34 41 13 00-0203	EA	Wi-Fi Communication Unit Power Supply / POE Injector	301.38	69.69
34 41 13 00-0204	EA	Wi-Fi Communication Unit Packet	2,195.49	209.07
34 41 13 00-0205	LF	Preemptor Detector Cable	1.78	
34 41 13 00-0206	EA	Sno-Shoe Cable Storage Assembly	280.85	

34 41 13 00-0207 Traffic Signal Cable *(34 41 13)*

34 41 13 00-0208	LF	16 AWG, 2-Conductor, Solid, Traffic Signal Cable	2.37	0.96
34 41 13 00-0209	LF	16 AWG, 3-Conductor, Solid, Traffic Signal Cable	2.70	1.04
34 41 13 00-0210	LF	16 AWG, 4-Conductor, Solid, Traffic Signal Cable	3.01	1.11
34 41 13 00-0211	LF	16 AWG, 5-Conductor, Solid, Traffic Signal Cable	3.31	1.18
34 41 13 00-0212	LF	16 AWG, 6-Conductor, Solid, Traffic Signal Cable	3.68	1.24
34 41 13 00-0213	LF	16 AWG, 8-Conductor, Solid, Traffic Signal Cable	4.34	1.38
34 41 13 00-0214	LF	16 AWG, 10-Conductor, Solid, Traffic Signal Cable	5.12	1.59
34 41 13 00-0215	LF	16 AWG, 12-Conductor, Solid, Traffic Signal Cable	5.91	1.79
34 41 13 00-0216	LF	16 AWG, 16-Conductor, Solid, Traffic Signal Cable	7.09	2.01
34 41 13 00-0217	LF	16 AWG, 20-Conductor, Solid, Traffic Signal Cable	8.54	2.21
34 41 13 00-0218	LF	14 AWG, 2-Conductor, Solid, Traffic Signal Cable	2.48	0.96
34 41 13 00-0219	LF	14 AWG, 3-Conductor, Solid, Traffic Signal Cable	2.85	1.04
34 41 13 00-0220	LF	14 AWG, 4-Conductor, Solid, Traffic Signal Cable	3.21	1.11
34 41 13 00-0221	LF	14 AWG, 5-Conductor, Solid, Traffic Signal Cable	3.55	1.18
34 41 13 00-0222	LF	14 AWG, 6-Conductor, Solid, Traffic Signal Cable	3.98	1.24
34 41 13 00-0223	LF	14 AWG, 8-Conductor, Solid, Traffic Signal Cable	4.73	1.38
34 41 13 00-0224	LF	14 AWG, 10-Conductor, Solid, Traffic Signal Cable	5.60	1.59
34 41 13 00-0225	LF	14 AWG, 12-Conductor, Solid, Traffic Signal Cable	6.49	1.79
34 41 13 00-0226	LF	14 AWG, 16-Conductor, Solid, Traffic Signal Cable	7.86	2.01
34 41 13 00-0227	LF	14 AWG, 20-Conductor, Solid, Traffic Signal Cable	9.56	2.21
34 41 13 00-0228	LF	12 AWG, 2-Conductor, Solid, Traffic Signal Cable	2.74	0.96
34 41 13 00-0229	LF	12 AWG, 3-Conductor, Solid, Traffic Signal Cable	3.23	1.04
34 41 13 00-0230	LF	12 AWG, 4-Conductor, Solid, Traffic Signal Cable	3.69	1.11
34 41 13 00-0231	LF	12 AWG, 5-Conductor, Solid, Traffic Signal Cable	4.12	1.18
34 41 13 00-0232	LF	12 AWG, 6-Conductor, Solid, Traffic Signal Cable	4.70	1.24
34 41 13 00-0233	LF	12 AWG, 8-Conductor, Solid, Traffic Signal Cable	5.67	1.38
34 41 13 00-0234	LF	12 AWG, 10-Conductor, Solid, Traffic Signal Cable	6.76	1.59
34 41 13 00-0235	LF	12 AWG, 12-Conductor, Solid, Traffic Signal Cable	7.87	1.79
34 41 13 00-0236	LF	12 AWG, 16-Conductor, Solid, Traffic Signal Cable	9.71	2.01
34 41 13 00-0237	LF	12 AWG, 20-Conductor, Solid, Traffic Signal Cable	12.03	2.21

34 41 13 00-0238 School Zone Flasher Beacons *(34 41 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0239	EA	One 8" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 30 Watt tilted solar panel, solar regulator, and solid state flasher.	6,221.86	209.89
34 41 13 00-0240	EA	One 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 30 Watt tilted solar panel, solar regulator, and solid state flasher.	6,266.46	209.89
34 41 13 00-0241	EA	Two 8" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.	7,023.67	209.89
34 41 13 00-0242	EA	Two 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.	7,166.40	209.89
34 41 13 00-0243	EA	10" Digit Radar Display, One 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 80 Watt tilted solar panel, solar regulator, and solid state flasher.	13,194.18	209.89
34 41 13 00-0244	EA	10" Digit Radar Display, Two 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.	13,753.51	209.89
34 41 13 00-0245		**Traffic Light Control Synchronization** *(34 41 13)*		
34 41 13 00-0246	EA	ENCOM COMPAK IP Radio/Wireless Ethernet Transceiver, 900 MHz FHSS 1 Watt output power and 128-bit data encryption with 1.1Mbps Throughput	5,402.58	
34 41 13 00-0247	EA	ENCOM 5200R 900 MHz Serial Radio Modem, contains one Serial (RS-232 or RS-485) interface and 170/TS1/TS2 detector rack (EPR-5200R)	4,023.73	
34 41 13 00-0248	EA	ENCOM Dual 2.4/2.4 GHZ Broadband Radio with Integrated Antenna (COMMPAKBB24/24)	9,174.88	
34 41 13 00-0249	EA	5.8 GHZ Broadband Radio with Integrated Antenna (COMMPAKBB58INT)	6,288.13	
34 41 13 00-0250	EA	2.4 GHZ Broadband Radio with Integrated Antenna (COMMPAKBB24INT)	6,288.13	
34 41 13 00-0251	EA	Solar Cabinet Assembly	16,893.02	
34 41 13 00-0252	EA	Data Controller Interface Cable Assembly	663.04	
34 41 13 00-0253	EA	900 MHZ Splitter	794.82	
34 41 13 00-0254	EA	900 MHz Surge Suppressor	287.26	
34 41 13 00-0255	EA	Surge-Radio Lead in Cable	180.80	
34 41 13 00-0256	EA	12DB GAIN YAGI Antenna	803.79	
34 41 13 00-0257	EA	PELCO Antenna Mounting Bracket	531.68	
34 41 13 00-0258	MLF	Coaxial Cable, LMR-400	4,377.81	
34 41 13 00-0259	EA	Perle 16 Port Serial Server	4,485.69	
34 41 13 00-0260	EA	Serial to Ethernet Card	2,416.87	
34 41 13 00-0261	EA	404 Stand-Alone Modem (GDI 404)	2,211.26	
34 41 13 00-0262		**Traffic Signal Controls** *(34 41 13)*		
34 41 13 00-0263	EA	Master Card for Type 2070 or NEMA TS2 traffic controllers (CC-TS2)	1,901.46	
34 41 13 00-0264	EA	Extension Card for Type 2070 or NEMA traffic controllers (EX-TS2)	802.34	
34 41 13 00-0265	EA	AccessBox for contract closure master card (CC-ACC)	282.29	
34 41 13 00-0266	EA	Flush Mount Wireless Sensor (ATT VSN240-F)	1,086.12	
34 41 13 00-0267	EA	Flush Mount Wireless Sensor (Speed & Count VSN240-F)	1,086.12	
34 41 13 00-0268	EA	Epoxy Tube for Installation of Wireless Sensor (VSN240-EPX)	167.21	
34 41 13 00-0269	EA	SNAPS License for each enabled AP (SNAPS-PER-AP)	461.54	
34 41 13 00-0270		**Traffic Signal Devices** *(34 41 13)*		
34 41 13 00-0271	EA	12" Polycarbonate Signal Head Housing (McCain)	1,010.89	103.66
34 41 13 00-0272	EA	16" Polycarbonate Pedestrian Signal Housing (McCain)	512.81	80.63
34 41 13 00-0273	EA	Pedestrian Push Button Cap & Switch (McCain M31334)	379.83	149.74
34 41 13 00-0274	EA	Pedestrian Push Button Frame Assembly 4" Diameter Pole (McCain M19712)	518.04	218.84
34 41 13 00-0275	EA	Pedestrian Push Button Frame Assembly 2" Diameter Pole (McCain M30793)	397.76	172.77
34 41 13 00-0276	EA	16 Channel Conflict Monitor (McCain 2010 ECLip)	1,525.84	74.86
34 41 13 00-0277	EA	LED Countdown Head (McCain GTX PS7-CFF1-VLA)	312.72	28.79
34 41 13 00-0278	EA	Traffic signal Video Detection Camera (Iteris RZ4-awdr)	3,457.60	126.70
34 41 13 00-0279	EA	Camera processor card (Iteris Edge Connect)	7,901.95	184.29
34 41 13 00-0280	EA	Wireless Broadband Radio (Encom BB58)	7,462.06	172.77
34 41 13 00-0281	EA	24-port Gigabit and 4-port 1G/10G SFP+ Ethernet Switch (Etherwan EX77900)	4,927.03	138.22
34 41 13 00-0282	EA	Power Adapter (Mean Well DR-120-48)	169.97	43.20
34 41 13 00-0283	LF	14/1 Cal Trans Type 2 Inductive Traffic Detection Loops (Advanced Digital Cable 8452)	0.98	
34 41 13 00-0284	EA	Radar Detection System (Wavetronix Matrix)	14,269.52	437.68
34 41 13 00-0285	EA	Pedestrian Audio Push Button (Polara APS)	419.29	109.42
34 41 13 00-0286	EA	Opticom Infrared System - Detector (GTT 711)	1,101.45	102.74
34 41 13 00-0287	EA	Opticom Infrared System - Detector (GTT 721)	1,232.34	114.95
34 41 13 00-0288	EA	Opticom Infrared System - Detector (GTT 722)	1,716.39	160.10
34 41 13 00-0289	EA	Opticom Multimode Phase Selector (GTT 764)	5,715.88	94.70
34 41 13 00-0290	LF	Opticom GPS Installation Cable (GTT 1070)	1.18	
34 41 13 00-0291	EA	Precast Concrete Traffic Pull Box, 5-T, with steel frame & diamond steel plate lid ("Traffic Signal") (Jensen Precast HT1324)	951.15	
34 41 13 00-0292	EA	Precast Concrete Traffic Pull Box, 6-T, with steel frame & diamond steel plate lid ("Traffic Signal") (Jensen Precast HT1730)	1,008.88	
34 41 13 00-0293	EA	UPS Module (Alpha Technologies FXM 350) Note: For battery backup in traffic signal control cabinet	1,548.25	63.03
34 41 13 00-0294	EA	Web Connected Relay Switch (Control by Web X-301 WebRelay-Dual) Note: To control flashing "School" signs	485.25	51.83
34 41 13 00-0295	LF	Fiber optic cable, 72 strand, single mode, riser non-plenum jacket (Optical Cable Corp DX072DSLX9KR)	10.92	0.53
34 41 13 00-0296	LF	Fiber optic cable, 12 strand, multi mode, riser non-plenum jacket (Superior Essex W30126G01 MM Fiber)	2.62	0.45

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0297	EA	12" LED Signal Module, Tinted Lens, Red (GE DR6-RTFB-VLA)	142.63	51.83
34 41 13 00-0298	EA	12" LED Signal Module, Tinted Lens, Yellow (GE DR6-YTFB-VLA)	142.63	51.83
34 41 13 00-0299	EA	12" LED Signal Module, Tinted Lens, Green (GE DR6-GTFB-VLA)	142.63	51.83
34 41 13 00-0300	EA	12" LED Signal Module, Clear Lens, Red (GE DR6-RCFB-VLA)	142.63	51.83
34 41 13 00-0301	EA	12" LED Signal Module, Clear Lens, Yellow (GE DR6-YCFB-VLA)	142.63	51.83
34 41 13 00-0302	EA	12" LED Signal Module, Clear Lens, Green (GE DR6-GCFB-VLA)	142.63	51.83
34 41 13 00-0303	EA	LED Countdown Pedestrian Signal, 16" x 18" (GE PS7-CFF1-VLA)	422.03	132.45
34 41 13 00-0304	EA	EOC Switch (Actellis ML688)	5,651.01	409.72
34 41 13 00-0305	EA	Ethernet Extender Kit (ENABLE-IT 860 Pro)	1,523.35	94.55
34 41 13 00-0306	EA	#5 pull box lid (Concrete, Bolt down) (Christy N30T)	116.46	22.53
34 41 13 00-0307	EA	#5 pull box lid (Steel, Bolt down) (Christy N30-61J)	430.57	32.61
34 41 13 00-0308	EA	#6 pull box lid (Concrete, Bolt down) (Christy N36T)	146.42	22.53
34 41 13 00-0309	EA	#6 pull box lid (Steel, Bolt down) (Christy N36-61J)	523.29	32.61
34 41 13 00-0310	EA	Battery Back-up (Alpha FXM110 UPS)	3,669.50	126.07
34 41 13 00-0311	EA	Battery (Alpha AlphaCell 220GXL)	518.67	31.52
34 41 13 00-0312	EA	BBS Cabinet (Alpha SE48-1616)	4,212.48	283.65
34 41 13 00-0313	LF	Fiber 72 Strands (Corning 072ZU4-T3F22D20)	6.29	2.46
34 41 13 00-0314	LF	Fiber 12 Strands (Corning 012ZU4-T3F22D20)	2.76	1.13
34 41 13 00-0315	EA	FDU & Splice Cassette with LC connector type (Corning CCH-01U, CCH-CS12-B3-P00RE)	1,308.34	94.55
34 41 13 00-0316	EA	12" THREE SECTION HOUSING (McCain M22435)	900.67	63.03
34 41 13 00-0317	EA	12" FOUR SECTION HOUSING (McCain M30883)	1,157.35	94.55
34 41 13 00-0318	EA	12" FIVE SECTION HOUSING (McCain M31769)	1,351.00	94.55
34 41 13 00-0319	EA	12" CLUSTER, WITHOUT MAS (McCain M30987)	1,447.82	94.55
34 41 13 00-0320	EA	CMU DATAKEY PROGRAMMER, EDI MONITORKEY-USB (McCain M84650)	900.67	63.03
34 41 13 00-0321	EA	NAVIGATOR iN2 APS 2 WIRE PPB #iN250N0-B (Polara iN250N0-B)	900.67	63.03
34 41 13 00-0322	EA	NAVIGATOR iN2 CONTROLLER RACK MOUNT iCCU-C (Polara iCCU-C)	5,282.49	220.62
34 41 13 00-0323	EA	NAVIGATOR iN2 INTERCONNECT BOARD iN2-ICB-C (Polara iN2-ICB-C)	256.68	31.52
34 41 13 00-0324	EA	NAVIGATOR iN2 POWER SUPPLY iN2-150-WPS-C (Polara iN2-150-WPS-C)	256.68	31.52
34 41 13 00-0325	EA	NAVIGATOR iN2 CONNECTOR iN2-C4CABLE-C (Polara iN2-c4cable-C)	578.67	47.27
34 41 13 00-0326	EA	12" Visor (McCain M19302)	44.57	12.61
34 41 13 00-0327	EA	LS,2202-HV (iPack), HDSP/FLASHER UNIT,ATC (McCain M36256)	481.85	47.27
34 41 13 00-0328	EA	SIU,2218 SERIAL INTERFACE UNIT,ATC (McCain M36258)	803.85	63.03
34 41 13 00-0329	EA	CMU,2212-HV (ip),32 CH W/ ETHERNET PORT, ATC (McCain M36259)	1,496.24	94.55
34 41 13 00-0330	EA	ATCC-HV, INPUT ASSEMBLY, 24 CH W/ CONN IDC26 (McCain M54487)	803.85	63.03
34 41 13 00-0331	EA	HARN, SB1/SB2,COMM EXTENSION (McCain M48062)	159.85	31.52
34 41 13 00-0332	EA	ATCC-HV/LV, FITA ASSEMBLY, 24CH (McCain M54489)	481.85	47.27
34 41 13 00-0333	EA	CMU DATAKEY PROGRAMMER, EDI MONITORKEY-USB (McCain M84650)	900.67	63.03
34 41 13 00-0334	EA	242L ISOLATOR, EDI (McCain M56812)	159.85	31.52
34 41 13 00-0335	EA	EDI 222 DETECTOR (McCain M11407)	208.27	31.52
34 41 13 00-0336	EA	ALPHA BBS, INVERTER & BYPASS SWITCH (McCain M59763)	3,607.22	157.58
34 41 13 00-0337	EA	GENERATOR SWITCH AND PLUG ASS'Y FOR ALPHA BBS (McCain M68752-2)	590.83	63.03
34 41 13 00-0338	EA	BBS BATTERY, ALPHACELL 165GXL (McCain M59884)	803.85	63.03
34 41 13 00-0339	EA	Battery Backup Cabinet Anondize 44x26x12 (McCain M64438A)	1,689.89	94.55

34 41 16 Traffic Control Equipment *(34 41)*

34 41 16 00-0001 Transportation Control Equipment *(34 41 16)*

34 41 16 00-0002	EA	CONTROLLER/SL/POLE MTD/1-PHASE/100A	11,564.95	963.43
34 41 16 00-0003	EA	CONTROLLER/SL/ON EMB POLE 1-PH/100A	11,675.93	1,018.90
34 41 16 00-0004	EA	CONTROLLER, SL, 3-PHASE, 100A, BASE MTD	14,308.39	1,030.90
34 41 16 00-0005	EA	CONTROLLER, SL, 3-PHASE, 200A, BASE MTD	16,999.59	1,251.67
34 41 16 00-0006	EA	CONTROLLER/SL/BASE MTD/1-PHASE/100A	14,128.77	617.48
34 41 16 00-0007	EA	CONTROLLER/SL/BASE MTD/1-PHASE/200A	15,667.89	676.02
34 41 16 00-0008	EA	CONTROLLER, TS, 12-BAY, "M" CABINET	25,826.20	1,062.81
34 41 16 00-0009	EA	CONTROLLER, TS, 12-BAY, "P" CABINET	27,471.15	1,177.80
34 41 16 00-0010	EA	CONTROLLER, TS, 12-BAY "P" CABINET With FO MASTER	39,437.27	1,324.16
34 41 16 00-0011	EA	CONTROLLER, TS, 16-BAY, "P" CABINET	31,161.87	1,254.46
34 41 16 00-0012	EA	CONTROLLER, PEDESTRIAN CROSSING, ADD-IN	878.20	147.33
34 41 16 00-0013	EA	CONCRETE BLOCK PEDESTAL	817.96	221.21
34 41 16 00-0014	WK	MAINTAIN EXIST TS INSTALLATION	350.17	175.08
34 41 16 00-0015	EA	INST SIGN BOARDS, ST. NAME	624.49	291.73
34 41 16 00-0016	EA	F.O. ADD-IN FOR LOCAL CONTROLLER	13,168.43	394.26
34 41 16 00-0017	EA	F.O. ADD-IN FOR MASTER CONTROLLER	31,958.40	591.56
34 41 16 00-0018	EA	PDU Equipped netBooter With IEC320 C13 Outlets (Synaccess NP-0808DUH)	1,105.44	16.41
34 41 16 00-0019	EA	Remote Power Switched netBooter PDU, 8 Independent Outlets (Synaccess NP-0801DU)	627.33	16.41

34 41 16 00-0020 Transportation Cabinets *(34 41 16)*

34 41 16 00-0021 Transportation Cabinets (Dudlik Enclosures) *(34 41 16 00-0020)*

34 41 16 00-0022	EA	50" x 30" x 17", Aluminum CCTV Cabinet (Dudlik Enclosures)	2,888.32	189.10
34 41 16 00-0023	EA	66" x 48" x 30", Quad Door, 19" Racks, Aluminum CCTV Cabinet (Dudlik Enclosures)	12,401.47	189.10
34 41 16 00-0024	EA	46" x 30" x 20", 19" Rack, Aluminum TTS Cabinet (Dudlik Enclosures)	2,698.48	189.10
34 41 16 00-0025	EA	50" x 30" x 17", Aluminum ITS Controller Cabinet (Dudlik Enclosures)	2,888.32	189.10
34 41 16 00-0026	EA	60" x 50" x 36", Quad Door, 19" Racks, Aluminum Fiber Cross Connect Cabinet (Dudlik Enclosures)	12,823.34	189.10
34 41 16 00-0027	EA	55" x 16" x 17", Aluminum ITS Meter Cabinet (Dudlik Enclosures)	1,854.74	189.10

34 41 16 00-0028 Transportation Cabinets (APX Enclosures) *(34 41 16 00-0020)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 16 00-0029	EA	28" Wide, 16" Depth, 46" High, ITS Controller Cabinet (APX Enclosure LS503017) Note: 3R, single door, pad mounted aluminum enclosure. Includes natural finish, aluminum back panel, light kit with door switch, thermostatically controlled fan kit, heater kit with thermostat, one aluminum moveable shelf, and one aluminum moveable shelf with slide out drawer. Excludes pad.	7,073.26	220.62
34 41 16 00-0030		**Transportation Cabinets (Transportation Control Systems)** *(34 41 16 00-0020)*		
34 41 16 00-0031	EA	30" Wide, 16" Depth, 48" High, Type 4, Aluminum Transportation Cabinet With Door Vents (Transportation Control Systems B483016B2D2S)	2,722.74	189.10
34 41 16 00-0032	EA	30" Wide, 16" Depth, 60" High, Type 4 Stretch, Aluminum Transportation Cabinet With Door Vents (Transportation Control Systems B603016B2D2S)	3,399.23	201.71
34 41 16 00-0033		**Transportation Cabinets (McCain)** *(34 41 16 00-0020)*		
34 41 16 00-0034	EA	24" Wide, 30" Depth, 67" High, ATC Cabinet (McCain 352i) Note: 3R, single door, pad mounted anodized aluminum enclosure. Excludes pad.	12,922.54	220.62
34 41 16 00-0035	EA	24" Wide, 30" Depth, 67" High, ATC Cabinet (McCain 332) Note: 3R, single door, pad mounted anodized aluminum enclosure. Excludes pad.	12,922.54	220.62
34 41 16 00-0036	EA	ATC ColdFire Controller (McCain 170)	6,604.08	
34 41 16 00-0037		**Traffic Control Equipment** *(34 41 16)*		
34 41 16 00-0038	EA	ProStar PWM Charge Controller 12/24 Volt, 15 Amperes Without Display (Morningstar PS-15)	323.19	63.03
34 41 16 00-0039	EA	ProStar PWM Charge Controller 12/24 Volt, 15 Amperes With Display (Morningstar PS-15M)	429.99	63.03
34 41 16 00-0040	EA	ProStar PWM Charge Controller 12/24 Volt, 30 Amperes With Display (Morningstar PS-30M)	497.83	63.03
34 41 16 00-0041	EA	ProStar PWM Charge Controller 12/24 Volt, 30 Amperes Without Display (Morningstar PS-30)	382.49	63.03
34 41 16 00-0042	MLF	10 AWG, 2 Conductor, 600V, Type TC, Non-Shielded Control Tray Cable (EnerSys A51002R)	2,997.03	691.08
34 41 16 00-0043	EA	Vehicle Detector, Circuit Breaker, 0.2 Amperes, Wavetronix SmartSensor (Wavetronix WX-CLK-210-02)	128.16	31.52
34 41 16 00-0044	EA	Vehicle Detector, 2.4 GHz 12 dBi Omni Antenna, Wavetronix SmartSensor (Wavetronix WX-100-0141)	595.80	69.97
34 41 16 00-0045	EA	Detection System, Vehicle, Two Sensor Preassembled Backplate, with AC Power (Wavetronix WX-SSB01-0003)	3,155.08	209.89
34 41 16 00-0046	EA	Vehicle Detector, Power Supply, 24 Volt DC, 4 Amperes (Wavetronix WX-CLK-204)	573.19	31.52
34 41 16 00-0047	EA	Vehicle Detector, 4-Channel Contact Matrix Closure, Rack Card (Wavetronix WX-CLK-114)	822.84	31.52
34 41 16 00-0048	EA	4 Channel Din-Rail Contact Closure Module (Wavetronix WX-CLK-104)	940.15	63.03
34 41 16 00-0049	EA	Detection System, Vehicle, Four Sensor Preassembled Backplate, With AC Power, Wavetronix Smartsensor (Wavetronix WX-SS-B01-0005)	4,163.90	63.03
34 41 16 00-0050	EA	50' Wavetronix Wiring Whip (Wavetronix WX-SS-708-060)	419.78	209.89
34 41 16 00-0051	EA	60', 6-Conductor Power And Communication Cable With Connector (Wavetronix WX-SS-704-060)	593.40	52.47
34 41 16 00-0052	EA	900 MHz 5 dBi Omni Antenna, Wavetronix SmartSensor (Wavetronix WX-100-0119)	508.97	69.97
34 41 16 00-0053	EA	900 MHz 9 dBi Yagi Antenna, Wavetronix SmartSensor (Wavetronix WX-100-0120)	313.59	69.97
34 41 16 00-0054	EA	Wavetronix Click 201 AC To DC Power Converter (Wavetronix WX-CLK-201)	356.10	31.52
34 41 16 00-0055	EA	24 Volt DC 2 Amperes, Wavetronix Smartsensor (Wavetronix WX-CLK-202)	432.08	31.52
34 41 16 00-0056	EA	Coax Surge N-Type, Wavetronix SmartSensor (Wavetronix WX-CLK-250)	193.28	31.52
34 41 16 00-0057	EA	Power, RS232/RS485 Surge, Wavetronix Smartsensor (Wavetronix WX-CLK-200)	584.04	31.52
34 41 16 00-0058	EA	Two Sensor Surge, Wavetronix SmartSensor (Wavetronix WX-CLK-222)	660.02	31.52
34 41 16 00-0059	EA	RS232 to RS485 Converter, Wavetronix SmartSensor (Wavetronix WX-CLK-304)	822.84	31.52
34 41 16 00-0060	EA	Wavetronix Click 301 Serial To Ethernet Converter (Wavetronix CLK-301)	63.03	31.52
34 41 16 00-0061	EA	Sensor Mount, Heavy-Duty, 6 inch, 2 Axis Aluminum Bracket (Wavetronix WX-SS-611)	519.82	69.97
34 41 16 00-0062	MLF	LF, UV Resistant Polyethylene Jacketed Cable (Times Microwave Systems LMR-400)	3,539.75	691.08
34 41 16 00-0063	EA	N-Male (Plug) Clamp Connector (Times Microwave Systems TC-400-NMC)	61.70	18.91
34 41 16 00-0064	EA	Spectra IV SE Back Box, Heavy-Duty, Pendant Mount (Pelco BB4HD-PG-E)	1,068.06	75.64
34 41 16 00-0065	EA	Spectra III Clear Pendant Lower Dome, Heavy-Duty (Pelco ld53hdpb-1)	1,033.46	94.55
34 41 16 00-0066	EA	24" Height, Ceiling/Pedestal Mount For Pan/Tilts Or Enclosures (Pelco pm2000)	221.19	31.52
34 41 16 00-0067	EA	10" Height, Ceiling/Pedestal Mount For Pan/Tilts Or Enclosures (Pelco pm2010)	161.13	31.52
34 41 16 00-0068	EA	24 Volt AC, Remote Data Port (Pelco IPS-RDPE-2)	557.23	31.52
34 41 16 00-0069	EA	Spectra IV Remote Monitor Interface Cable (Pelco IPS-CABLE)	227.91	31.52
34 41 16 00-0070	EA	120 Volt AC, 12.5 Watt, 12 Volt DC, 600 mA, External Plug In Power Supply (Triad Magnetics WDU12-600)	87.73	31.52
34 41 16 00-0071	EA	Control Area Network Direct Current Input/Output (Daktronics 0P-1247-0009) Note: Input/Output for sign peripherals.	777.33	63.03
34 41 16 00-0072	EA	Control Area Network Direct Current Input/Output (Daktronics 0P-1247-4009) Note: Input/Output for sign peripherals.	777.33	63.03
34 41 16 00-0073	EA	Control Area Network Distribution Board (Daktronics 0P-1248-0005) Note: Signal distribution point between sign modules and peripherals, and VFC-3000 Field Controller.	1,482.87	63.03
34 41 16 00-0074	EA	Control Area Network Distribution Board (Daktronics 0P-1248-0011) Note: Signal distribution point between sign modules and peripherals, and VFC-3000 Field Controller.	1,482.87	63.03
34 41 16 00-0075	EA	Control Area Network Temperature And Light Sensor (Daktronics 0P-1247-0019) Note: Measures temperature and detects light and reports to CAN Dist Board.	495.12	63.03
34 41 16 00-0076	EA	Control Area Network Temperature, Light Sensor, And Humidity (Daktronics 0P-1247-0015) Note: Measures temperature and detects light and humidity and reports to CAN Dist board.	712.21	63.03
34 41 16 00-0077	EA	Control Area Network Temperature, Light Sensor, And Humidity (Daktronics 0P-1247-0021) Note: Measures temperature and detects light and humidity and reports to CAN Dist board.	712.21	63.03
34 41 16 00-0078	EA	Control Area Network Temperature And Light Sensor (Daktronics 0P-1247-0003) Note: Measures temperature and detects light and reports to CAN Dist board.	581.95	63.03
34 41 16 00-0079	EA	Controller, VFC-3000 Field Controller NTCIPv1 (Daktronics 0A-1248-0016) Note: The "brains" of the sign. Receives information from NTCIP central software and reports status and diagnostic information.	10,273.21	252.14
34 41 16 00-0080	EA	DC/DC, Direct Current to Direct Current Converter (Daktronics 0P-1247-0025) Note: Takes 24 Volt DC input from two power supplies and outputs 9 Volt DC for CAN Dist Board, providing power redundancy.	432.08	31.52
34 41 16 00-0081	EA	Driver (Daktronics 0P-1100-0026) Note: Driver takes data packets from Control Area Network to determine what pixels (LED clusters) are ON and which are OFF.	817.24	50.43

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 16 00-0082	EA	External Temp Sensor (Daktronics 0P-1100-0014) Note: Sensor that measures ambient temperature.	719.55	50.43
34 41 16 00-0083	EA	Internal Temp Sensor (Daktronics 0P-1100-0038) Note: Sensor that measures sign internal temperature.	806.38	50.43
34 41 16 00-0084	EA	Light Level Detector (Daktronics 0P-1151-0002) Note: The values from the light sensors are used by the sign controller to determine the appropriate sign brightness.	480.75	50.43
34 41 16 00-0085	EA	Module (Daktronics 0A-1253-0608) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	1,482.87	63.03
34 41 16 00-0086	EA	Module (Daktronics 0A-1253-3018) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	1,862.77	63.03
34 41 16 00-0087	EA	Module (Daktronics 0A-1266-5002) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	1,645.68	63.03
34 41 16 00-0088	EA	Module (Daktronics 0A-1332-6252) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	2,296.95	63.03
34 41 16 00-0089	EA	Module (Daktronics 0A-1332-6455) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	1,862.77	63.03
34 41 16 00-0090	EA	Module (Daktronics 0A-1332-6654) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	1,862.77	63.03
34 41 16 00-0091	EA	Module (Daktronics 0P-1332-3015) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	994.42	63.03
34 41 16 00-0092	EA	Module (Daktronics 0P-1332-4116) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	994.42	63.03
34 41 16 00-0093	EA	Module (Daktronics 0P-1332-5031) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	994.42	63.03
34 41 16 00-0094	EA	Module (Daktronics 0P-1332-5017) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	994.42	63.03
34 41 16 00-0095	EA	Module Without Pan (Daktronics 0A-1253-0603) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display; without Pan (pan is the metal bracket that holds the module securely in place in the sign.	1,482.87	63.03
34 41 16 00-0096	EA	Module Without Pan (Daktronics 0A-1253-1605) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display; without Pan (pan is the metal bracket that holds the module securely in place in the sign.	1,482.87	63.03
34 41 16 00-0097	EA	Module Without Pan (Daktronics 0A-1254-1601) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display; without Pan (pan is the metal bracket that holds the module securely in place in the sign.	1,482.87	63.03
34 41 16 00-0098	EA	Pixel Strip (Daktronics 0P-1100-0016) Note: Pixel Strip is a smaller section of a module. Typically has three pixels (LED clusters) per strip.	505.97	63.03
34 41 16 00-0099	EA	Pixel Strip (Daktronics 0P-1100-0029) Note: Pixel Strip is a smaller section of a module. Typically has three pixels (LED clusters) per strip.	592.81	63.03
34 41 16 00-0100	EA	Power Supply (Daktronics A-1593) Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	1,754.23	63.03
34 41 16 00-0101	EA	Power Supply (Daktronics A-1648) Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	1,754.23	63.03
34 41 16 00-0102	EA	Power Supply (Daktronics A-2307) Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	668.79	63.03
34 41 16 00-0103	EA	Surge Suppressor (Daktronics A-1129) Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	271.02	37.82
34 41 16 00-0104	EA	Surge Suppressor (Daktronics A-1412) Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	564.09	37.82
34 41 16 00-0105	EA	Surge Suppressor (Daktronics A-1772) Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	564.09	37.82
34 41 16 00-0106	EA	Surge Suppressor (Daktronics A-2139) Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	835.45	37.82
34 41 16 00-0107	EA	VCB, Vanguard Control Board (Daktronics 0P-1248-0022) Note: Receives high speed serial communication over fiber or CAT5 from VFC-3000 and reports sign status and peripheral diagnostics.	1,417.74	63.03
34 41 16 00-0108	EA	VMS I/O, Variable Message Sign Input/Output (Daktronics 0P-1194-0001) Note: Input/Output board for sign peripherals.	1,917.04	63.03
34 41 16 00-0109	EA	Power Supply Assembly (Daktronics A-1856R)	1,265.78	63.03
34 41 16 00-0110	EA	Power Supply Isolation Board (Daktronics 0P-1447-2000)	831.60	63.03
34 41 16 00-0111	EA	Ventilation/Circulation Fan (Daktronics B-1075)	310.59	63.03
34 41 16 00-0112	EA	VMS Controller (V2) (Daktronics 0A-1248-0028)	10,273.21	252.14
34 41 16 00-0113	EA	Photo/Temp Sensor (Daktronics 0P-1247-0015)	712.21	63.03
34 41 16 00-0114	EA	Defog Fan (Daktronics B-1053)	117.30	31.52
34 41 16 00-0115	EA	Defog Heater (Daktronics A-1792)	149.87	31.52
34 41 16 00-0116	EA	Display Card 1500, 15' Clear (Ver-Mac PB-AFF-06023A-03 PF)	940.15	63.03
34 41 16 00-0117	EA	Display Card 1500, 30' Amber (Ver-Mac PB-AFF-06023-01 PF)	940.15	63.03
34 41 16 00-0118	EA	1-Port Decoder With H.264 And High-Definition Technology (Verint S1801E-R)	1,225.91	63.13
34 41 16 00-0119	EA	1-Port Video Encoder Featuring H.264 Technology With One Bi-directional Audio Channel And 12V DC Universal Power Supply (Verint S1801E)	1,225.91	63.13
34 41 16 00-0120	EA	16-Port Video Encoder Featuring H.264 Technology (Verint S1816E)	6,640.87	63.13
34 41 16 00-0121	EA	Encoder H.264 Compact, Hiperfmc (Verint S1802E)	1,584.43	63.13
34 41 16 00-0122	EA	110 Volt AC To 12 Volt DC At 45 Watt, Transformer (Verint PS1261)	215.14	31.52
34 41 16 00-0123	EA	1-Channel Encoder, H.264 Dual-Streaming, SD Card Slot (Bosch VIP-X1XF-E)	754.72	63.13
34 41 16 00-0124	EA	Single/Quad-Stream Decoder (Bosch VIP-XD)	1,972.51	63.13
34 41 16 00-0125	EA	1-Output, Outdoor-Rated CCTV Power Supply Unit, 24/26/28 Volt AC (Pelco WCS1-4)	300.17	63.03
34 41 16 00-0126	EA	4-Outputs, Outdoor-Rated CCTV Power Supply With Circuit Breaker, 24/28 Volt AC (Pelco WCS4-20B)	655.44	63.03
34 41 16 00-0127	EA	12.5KVA, 12 Volt, 75Ah, UPS Battery (UPG UB12750)	300.15	15.78
34 41 16 00-0128	EA	Managed Ethernet Switch with 4 10/100TX Ports + 4 100FX Fiber Ports (EtherWAN EX71440-B0B)	3,803.19	126.07
34 41 16 00-0129	EA	Power Supply, Hardened, External 100-240 Volt AC Input; TS2 rated; 12 Volt DC Output Power (EtherWAN 41-136046-1)	235.15	31.52
34 41 16 00-0130	EA	4kVA / 3.6kW Split-Phase Power Module (Eaton 9PXMSPPM)	3,454.66	63.03
34 41 16 00-0131	EA	208-240 Volt, 4-20kVA Rack/Tower UPS (Eaton 9PXM)	8,098.40	312.01

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 16 00-0132	EA	30 Amperes, 600 Volt, 3-Pole, Fusible, NEMA 3R Rainproof, Safety Switch (Square D H361RB)	1,079.78	163.89
34 41 16 00-0133	EA	30 Amperes, 600 Volt, LKS Fuse (Eaton Bussmann LKS-30)	26.23	10.08
34 41 16 00-0134	EA	60 Amperes, 600 Volt, 3-Pole, Fusible, Heavy-Duty, Safety Switch (Square D H362DS)	2,815.14	126.07
34 41 16 00-0135	EA	60 Amperes, 600 Volt, Dual Element, Time-Delay Fuse (Eaton Bussmann FRS-R-60)	59.18	10.08
34 41 16 00-0136	EA	50 Mbps, MIMO 2x2, 15 dBi Integrated Antenna (Proxim Wireless TSUNAMI QB-820)	2,504.16	69.97
34 41 16 00-0137	EA	Singlemode Loaded Fiber Adapter Panel, 6 Simplex SC/UPC Adapters (Multi-Link 10-4810)	135.18	47.90
34 41 16 00-0138	EA	12" x 6" x 5-1/2", 2 Panel, 2 Splice Dual Security Door, Compact Wall Mount Fiber Distribution Unit (Multilink 10-4469)	391.85	63.03
34 41 16 00-0139	EA	Single AC Inlet, 8 Nema 5-15 Outlets, Built-in AC Current Drawing Sensing Module (Synaccess NP-0801DT)	704.45	16.41
34 41 16 00-0140	EA	Aggregated TRMS AC Current Sensing, One Readout For All Outlets (Synaccess NP-0801DT(H))	759.29	16.41
34 41 16 00-0141	EA	550 Watt, 120 Volt AC, Fan Heater With Adjustable Thermostat, 32-140 Degree Fahrenheit (Stego CR-027)	402.06	25.21
34 41 16 00-0142	EA	10/100M Switch, 4 x 1G Combo, LAN Base (Cisco IE-4000-4TC4G-E)	4,854.14	151.28
34 41 16 00-0143	EA	12 Port, 2 Panel, Wall Mount, Compact Fiber Distribution Unit (Multilink FWM012XLC)	178.32	28.99
34 41 16 00-0144	EA	6-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel (Multilink MSC-06-SM-C-BLK)	45.48	6.30
34 41 16 00-0145	EA	170 Watt AC To DC, Industrial Ethernet Family Power Supply (Cisco PWR-IE170W-PC-AC)	1,529.67	63.03
34 41 16 00-0146	EA	12 Port, Industrial Ethernet Layer 3 Switch Installed In Transportation Control Equipment (Cisco IE-4000-4GC4GP4G-E)	5,275.85	126.07
34 41 16 00-0147	EA	2 KVA, 1,800 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line Uninterruptible Power Supply (UPS) (Xtreme Power P90-3000)	3,553.87	208.01
34 41 16 00-0148	EA	100 Amperes, 16 Circuit, Main Lug Load Center Panelboard, 8-1 AWG, 120/240 Volt, Single Phase (Square D QO816L100DS)	814.42	360.56
34 41 16 00-0149	EA	70 Amperes, 4 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase (Square D QO24L70S)	567.53	252.14
34 41 16 00-0150	EA	60 Amperes, 120/240 Volt, 2 Pole Common Trip Miniature Circuit Breaker, Plug On Mounting (Square D QO260)	117.81	34.04
34 41 16 00-0151	EA	15 Amperes, 120/240 Volt, 1 Pole Thermal Magnetic Miniature Circuit Breaker, Plug On Mounting (Square D QOT1515)	89.43	22.69
34 41 16 00-0152	EA	15 Amperes, 120/240 Volt, 1 Pole Thermal Magnetic Miniature Circuit Breaker, Plug On Mounting (Square D QO120)	69.81	22.69
34 41 16 00-0153	EA	20 Amperes, 120/240 Volt, 1 Pole Thermal Magnetic Miniature Circuit Breaker, Plug On Mounting (Square D QO120)	69.81	22.69
34 41 16 00-0154	EA	One Output Outdoor-rated CCTV Power Supply Unit, 24/26/28 Volt AC At 4 Amperes Total Supply Current, Fuse Protected Output, UL Listed (Pelco WCS1-4)	300.17	63.03
34 41 16 00-0155	EA	DIN Rail Mount, Switching Power Supply (TKH Security PSR12DC)	331.86	31.57
34 41 16 00-0156	EA	H.264 Multi-codec Video Encoder With Audio, Data And CC's (TKH Security C-60-E-MC)	3,108.04	31.57
34 41 16 00-0157	EA	Expansion Power Module For IE-3000-4TC And IE-3000-8TC (Cisco PWR-IE50W-AC-IEC)	606.22	16.41
34 41 16 00-0158	EA	Traffic Monitoring System (BlueToad Spectra Cellular/Solar Version)	12,485.23	209.89
34 41 16 00-0159	EA	Ubiquiti Rocket M9 Wireless Access Point (ROCKETM9)	470.98	69.97

34 43 Airfield Signaling and Control Equipment *(34 40)*

34 43 13 Airfield Signals and Lighting *(34 43)*

34 43 13 09 Airport Rotating Beacons *(34 43 13)*

34 43 13 09-0001	EA	Rotating Heliport Beacon, 3 - 500 Watt Quartz Lamps	8,971.70	2,303.59

34 43 13 12 Airport Obstruction Lights *(34 43 13)*

34 43 13 12-0001 Hazard Beacon Flashing Red, Two Lamps-620 Watts *(34 43 13 12)*

34 43 13 12-0002	EA	Hazard Beacon Flashing Red, 2 - 620 Watt With 2 Wire Cable	4,154.76	230.36
34 43 13 12-0003	EA	Hazard Beacon Flashing Red, 2 - 620 Watt With 3 Wire Cable	4,631.42	230.36
34 43 13 12-0004	EA	Beacon Failure Alarm Relay Assembly	1,044.61	230.36

34 43 13 12-0005 Obstruction Marker Lights *(34 43 13 12)*

34 43 13 12-0006	EA	Obstruction Marker Light, 1 - 69 Watt FAA Spec L-810	466.92	143.97
34 43 13 12-0007	EA	Obstruction Marker Light, 2 - 69 Watt FAA Spec L-810	744.29	172.77
34 43 13 12-0008	EA	Obstruction Marker Light, 1 - 116 Watt Mil Spec M16-6-7830B	628.99	143.97
34 43 13 12-0009	EA	Obstruction Marker Light, 2 - 116 Watt Mil Spec M16-6-7830B	1,013.60	172.77
34 43 13 12-0010	EA	Transfer Relay Assembly	1,475.98	230.36

34 43 13 12-0011 Solid State Flashers With Cast Aluminum Housing *(34 43 13 12)*

34 43 13 12-0012	EA	Solid State Flashers, 1 Circuit, With Cast Aluminum Housing	14,760.28	230.36
34 43 13 12-0013	EA	Solid State Flashers, 2 Circuit Simultaneous Flash, With Cast Aluminum Housing	29,174.72	287.95
34 43 13 12-0014	EA	Solid State Flashers, 3 Circuit Simultaneous Flash, With Cast Aluminum Housing	43,590.11	345.53
34 43 13 12-0015	EA	Sequential Flasher	10,626.63	1,248.20

34 43 13 13 Airfield Runway Identification Lights *(34 43 13)*

34 43 13 13-0001 Taxi Guidance Sign Internally Illuminated, 18" Letters *(34 43 13 13)*

34 43 13 13-0002	EA	Taxi Guidance Sign 1 Face, 4' Wide Internally Illuminated, 18" Letter	2,972.67	230.36
		For LED, Add	*502.39*	
34 43 13 13-0003	EA	Taxi Guidance Sign 1 Face, 6' Wide Internally Illuminated, 18" Letter	4,822.56	287.95
		For LED, Add	*849.39*	
34 43 13 13-0004	EA	Taxi Guidance Sign 1 Face, 8' Wide Internally Illuminated, 18" Letter	6,601.90	345.53
		For LED, Add	*1,182.10*	
34 43 13 13-0005	EA	Taxi Guidance Sign 1 Face, 10' Wide Internally Illuminated, 18" Letter	8,199.92	345.53
		For LED, Add	*1,455.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 43 13 13-0006	EA	Taxi Guidance Sign 2 Face, 4' Wide Internally Illuminated, 18" Letter	3,441.69	345.53
		For LED, Add	*550.06*	
34 43 13 13-0007	EA	Taxi Guidance Sign 2 Face, 6' Wide Internally Illuminated, 18" Letter	5,529.17	403.12
		For LED, Add	*944.72*	
34 43 13 13-0008	EA	Taxi Guidance Sign 2 Face, 8' Wide Internally Illuminated, 18" Letter	7,546.91	460.71
		For LED, Add	*1,325.09*	
34 43 13 13-0009	EA	Taxi Guidance Sign 2 Face, 10' Wide Internally Illuminated, 18" Letter	9,382.83	575.90
		For LED, Add	*1,646.36*	

34 43 13 13-0010 Taxi Guidance Sign Internally Illuminated, 12" And 15" Letters *(34 43 13 13)*

34 43 13 13-0011	EA	Taxi Guidance Sign 1 Face, 2 1/2' Wide Internally Illuminated, 12 - 15" Letters	2,548.45	230.36
		For LED, Add	*417.55*	
34 43 13 13-0012	EA	Taxi Guidance Sign 1 Face, 4' Wide Internally Illuminated, 12 - 15" Letters	3,930.74	230.36
		For LED, Add	*694.01*	
34 43 13 13-0013	EA	Taxi Guidance Sign 1 Face, 6' Wide Internally Illuminated, 12 - 15" Letters	5,535.16	287.95
		For LED, Add	*991.91*	
34 43 13 13-0014	EA	Taxi Guidance Sign 1 Face, 8' Wide Internally Illuminated, 12 - 15" Letters	6,968.92	345.53
		For LED, Add	*1,255.50*	
34 43 13 13-0015	EA	Taxi Guidance Sign 2 Face, 2 1/2' Wide Internally Illuminated, 12 - 15" Letters	2,853.99	287.95
		For LED, Add	*455.68*	
34 43 13 13-0016	EA	Taxi Guidance Sign 2 Face, 4' Wide Internally Illuminated, 12 - 15" Letters	4,426.94	287.95
		For LED, Add	*770.27*	
34 43 13 13-0017	EA	Taxi Guidance Sign 2 Face, 6' Wide Internally Illuminated, 12 - 15" Letters	6,222.96	345.53
		For LED, Add	*1,106.31*	
34 43 13 13-0018	EA	Taxi Guidance Sign 2 Face, 8' Wide Internally Illuminated, 12 - 15" Letters	9,799.98	403.12
		For LED, Add	*1,798.89*	

34 43 13 13-0019 Taxi Guidance Sign Unlighted, 18" Letters *(34 43 13 13)*

34 43 13 13-0020	EA	Taxi Guidance Sign 1 Face, 4' Wide Unlighted, 18" Letters	2,085.16	143.97
		For LED, Add	*359.40*	
34 43 13 13-0021	EA	Taxi Guidance Sign 1 Face, 6' Wide Unlighted, 18" Letters	3,820.17	143.97
		For LED, Add	*706.40*	
34 43 13 13-0022	EA	Taxi Guidance Sign 1 Face, 8' Wide Unlighted, 18" Letters	5,541.80	172.77
		For LED, Add	*1,039.10*	
34 43 13 13-0023	EA	Taxi Guidance Sign 1 Face, 10' Wide Unlighted, 18" Letters	6,909.79	172.77
		For LED, Add	*1,312.70*	
34 43 13 13-0024	EA	Taxi Guidance Sign 2 Face, 4' Wide Unlighted, 18" Letters	2,381.59	172.77
		For LED, Add	*407.06*	
34 43 13 13-0025	EA	Taxi Guidance Sign 2 Face, 6' Wide Unlighted, 18" Letters	4,354.93	172.77
		For LED, Add	*801.73*	
34 43 13 13-0026	EA	Taxi Guidance Sign 2 Face, 8' Wide Unlighted, 18" Letters	6,232.97	230.36
		For LED, Add	*1,154.45*	
34 43 13 13-0027	EA	Taxi Guidance Sign 2 Face, 10' Wide Unlighted, 18" Letters	6,278.25	230.36
		For LED, Add	*1,163.51*	

34 43 13 13-0028 Distance Marker Sign, Internally Illuminated *(34 43 13 13)*

34 43 13 13-0029	EA	Distance Marker Sign, 48" x 48"	4,011.77	230.36

34 43 13 13-0030 Options And Accessories *(34 43 13 13)*

34 43 13 13-0031	EA	100 Watt Transformer Guidance Signs Accessories	372.82	57.59
34 43 13 13-0032	EA	Connection Kit For 1 Conduit Cable Guidance Signs Accessories	199.35	86.38
34 43 13 13-0033	EA	Base Housing, 12" Diameter Guidance Signs Accessories	493.01	115.18

34 43 13 13-0034 Tools *(34 43 13 13)*

34 43 13 13-0035	EA	Impact Nut Driver Guidance Signs Accessories	462.35	
34 43 13 13-0036	EA	Leveling Tool Guidance Signs Accessories	233.56	
34 43 13 13-0037	EA	Contact Straightener Guidance Signs Accessories	102.48	
34 43 13 13-0038	EA	Installation Fixture Guidance Signs Accessories	476.65	
34 43 13 13-0039	EA	Drill Jig Guidance Signs Accessories	571.98	
34 43 13 13-0040	EA	Installation And Align Tool Guidance Signs Accessories	290.76	
34 43 13 13-0041	EA	Prism Setting Fixture Guidance Signs Accessories	407.92	
34 43 13 13-0042	EA	Pressure Test Fitting Guidance Signs Accessories	106.91	
34 43 13 13-0043	EA	Lifting Handles Guidance Signs Accessories	59.58	
34 43 13 13-0044	EA	Leveling Tool Guidance Signs Accessories	233.56	
34 43 13 13-0045	EA	Flector Alignment Tool Guidance Signs Accessories	190.68	
34 43 13 13-0046	EA	Lamp Extractor Guidance Signs Accessories	30.98	
34 43 13 13-0047	EA	Cable Stripper/Penciller Guidance Signs Accessories	310.01	

34 43 13 13-0048 Taxiway Marker Tubular Reflectors Post *(34 43 13 13)*

Note: With reflective strips on contract background.

34 43 13 13-0049	EA	Taxiway Marker Reflector Post 18" With Reflector Strips On Contract Background	172.63	57.59
34 43 13 13-0050	EA	Taxiway Marker Reflector Post 24" With Reflector Strips On Contract Background	182.16	57.59
34 43 13 13-0051	EA	Taxiway Marker Reflector Post 30" With Reflector Strips On Contract Background	196.46	57.59
34 43 13 13-0052	EA	Taxiway Marker Reflector Post 36" With Reflector Strips On Contract Background	205.99	57.59

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 43 13 16		**Airfield Runway and Taxiway Inset Lighting** *(34 43 13)*		
34 43 13 16-0001		Runway And Taxiway Lights *(34 43 13 16)*		
34 43 13 16-0002		Runway In-Pavement Lights *(34 43 13 16-0001)*		
34 43 13 16-0003		Runway Centerline, Land And Hold Short Operations (LAHSO) *(34 43 13 16-0002)*		
		Note: L-850A.		
34 43 13 16-0004	EA	Uni-Directional Runway Centerline Light With Shallow Base And Film Disc Cutout	1,553.75	172.77
34 43 13 16-0005	EA	Uni-Directional Runway Centerline Light With Cord Set And Film Disc Cutout	851.71	115.18
34 43 13 16-0006	EA	Uni-Directional Runway Centerline Light With Two (2) Cord Sets And Film Disc Cutout	894.48	115.18
34 43 13 16-0007	EA	Uni-Directional Runway Centerline Light With Shallow Base And Without Film Disc Cutout	1,521.88	172.77
34 43 13 16-0008	EA	Uni-Directional Runway Centerline Light With Cord Set And Without Film Disc Cutout	842.72	115.18
34 43 13 16-0009	EA	Uni-Directional Runway Centerline Light With Two (2) Cord Sets And Without Film Disc Cutout	870.55	115.18
34 43 13 16-0010	EA	Bi-Directional Runway Centerline Light With Shallow Base And Film Disc Cutout	1,614.16	172.77
34 43 13 16-0011	EA	Bi-Directional Runway Centerline Light With Cord Set And Film Disc Cutout	882.77	115.18
34 43 13 16-0012	EA	Bi-Directional Runway Centerline Light With Two (2) Cord Sets And Film Disc Cutout	927.69	115.18
34 43 13 16-0013	EA	Bi-Directional Runway Centerline Light With Shallow Base And Without Film Disc Cutout	1,580.70	172.77
34 43 13 16-0014	EA	Bi-Directional Runway Centerline Light With Cord Set And Without Film Disc Cutout	873.34	115.18
34 43 13 16-0015	EA	Bi-Directional Runway Centerline Light With Two (2) Cord Sets And Without Film Disc Cutout	902.56	115.18
34 43 13 16-0016		Runway Touchdown Zone, Medium Intensity Approach Lighting System *(34 43 13 16-0002)*		
		Note: L-850B.		
34 43 13 16-0017	EA	Uni-Directional Straight Or Toe-in Runway Touchdown Zone Light With Shallow Base And Film Disc Cutout	1,410.63	172.77
34 43 13 16-0018	EA	Uni-Directional Straight Or Toe-in Runway Touchdown Zone Light With Single Cord Set And Film Disc Cutout	727.44	115.18
34 43 13 16-0019	EA	Uni-Directional Straight Or Toe-in Runway Touchdown Zone Light With Shallow Base And Without Film Disc Cutout	1,382.03	172.77
34 43 13 16-0020	EA	Uni-Directional Straight Or Toe-in Runway Touchdown Zone Light With Single Cord Set And Without Film Disc Cutout	698.86	115.18
34 43 13 16-0021		Runway Edge, Displaced Threshold *(34 43 13 16-0002)*		
		Note: L-850C.		
34 43 13 16-0022	EA	Bi-Directional Displaced Threshold Runway Edge Light With Cord Set And Film Disc Cutout	1,282.76	115.18
34 43 13 16-0023	EA	Bi-Directional Displaced Threshold Runway Edge Light With Two (2) Cord Sets And Film Disc Cutout	1,289.95	115.18
34 43 13 16-0024	EA	Bi-Directional Displaced Threshold Runway Edge Light With Cord Set And Without Film Disc Cutout	1,263.98	115.18
34 43 13 16-0025	EA	Bi-Directional Displaced Threshold Runway Edge Light With Two (2) Cord Sets And Without Film Disc Cutout	1,270.67	115.18
34 43 13 16-0026		Runway Threshold/End *(34 43 13 16-0002)*		
		Note: L-850D.		
34 43 13 16-0027	EA	Uni-Directional Obscured Beam Threshold/End Light With Cord Set And Film Disc Cutout	1,410.27	115.18
34 43 13 16-0028	EA	Uni-Directional Obscured Beam Threshold/End Light With Two (2) Cord Sets And Film Disc Cutout	1,432.02	115.18
34 43 13 16-0029	EA	Uni-Directional Obscured Beam Threshold/End Light With Cord Set And Without Film Disc Cutout	1,381.69	115.18
34 43 13 16-0030	EA	Uni-Directional Obscured Beam Threshold/End Light With Two (2) Cord Sets And Without Film Disc Cutout	1,386.30	115.18
34 43 13 16-0031	EA	Uni-Directional Straight or Toed Beam Threshold/End Light With Cord Set And Film Disc Cutout	1,761.62	115.18
34 43 13 16-0032	EA	Uni-Directional Straight or Toed Beam Threshold/End Light With Two (2) Cord Sets And Film Disc Cutout	1,789.84	115.18
34 43 13 16-0033	EA	Uni-Directional Straight or Toed Beam Threshold/End Light With Cord Set And Without Film Disc Cutout	1,698.55	115.18
34 43 13 16-0034	EA	Uni-Directional Straight or Toed Beam Threshold/End Light With Two (2) Cord Sets And Without Film Disc Cutout	1,704.42	115.18
34 43 13 16-0035	EA	Bi-Directional Obscured Beam Threshold/End Light With Cord Set And Film Disc Cutout	1,469.27	115.18
34 43 13 16-0036	EA	Bi-Directional Obscured Beam Threshold/End Light With Two (2) Cord Sets And Film Disc Cutout	1,492.11	115.18
34 43 13 16-0037	EA	Bi-Directional Obscured Beam Threshold/End Light With Cord Set And Without Film Disc Cutout	1,439.26	115.18
34 43 13 16-0038	EA	Bi-Directional Obscured Beam Threshold/End Light With Two (2) Cord Sets And Without Film Disc Cutout	1,444.09	115.18
34 43 13 16-0039	EA	Bi-Directional Straight or Toed Beam Threshold/End Light With Cord Set And Film Disc Cutout	1,838.19	115.18
34 43 13 16-0040	EA	Bi-Directional Straight or Toed Beam Threshold/End Light With Two (2) Cord Sets And Film Disc Cutout	1,867.81	115.18
34 43 13 16-0041	EA	Bi-Directional Straight or Toed Beam Threshold/End Light With Cord Set And Without Film Disc Cutout	1,771.96	115.18
34 43 13 16-0042	EA	Bi-Directional Straight or Toed Beam Threshold/End Light With Two (2) Cord Sets And Without Film Disc Cutout	1,778.12	115.18
34 43 13 16-0043		Runway Threshold, Medium Intensity Approach Lighting System *(34 43 13 16-0002)*		
		Note: L-850E.		
34 43 13 16-0044	EA	Uni-Directional Straight Or Toe-in Runway Threshold Light With Single Cord Set And Film Disc Cutout	1,529.53	115.18
34 43 13 16-0045	EA	Uni-Directional Straight Or Toe-in Runway Threshold Light With Single Cord Set And Without Film Disc Cutout	1,472.33	115.18
34 43 13 16-0046		Land And Hold Short Operations (LAHSO) *(34 43 13 16-0002)*		
		Note: L-850F.		
34 43 13 16-0047	EA	Uni-Directional Runway LAHSO With Shallow Base And Film Disc Cutout	1,859.28	172.77
34 43 13 16-0048	EA	Uni-Directional Runway LAHSO With Two (2) Cord Sets And Film Disc Cutout	936.83	115.18
34 43 13 16-0049	EA	Uni-Directional Runway LAHSO With Shallow Base And Without Film Disc Cutout	1,818.64	172.77
34 43 13 16-0050	EA	Uni-Directional Runway LAHSO With Two (2) Cord Sets And Without Film Disc Cutout	896.21	115.18
34 43 13 16-0051		Runway Guard *(34 43 13 16-0002)*		
		Note: L-852G.		
34 43 13 16-0052	EA	Uni-Directional 105 Watt Runway Guard Light With Shallow Base	1,362.57	172.77
34 43 13 16-0053	EA	Uni-Directional 105 Watt Runway Guard Light With Two (2) Cord Sets	1,122.01	172.77

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 43 13 16-0054		**Stop Bar** *(34 43 13 16-0002)* Note: L-852S.		
34 43 13 16-0055	EA	Uni-Directional 105 Watt Stop Bar Light With Shallow Base And Film Disc Cutout	1,353.66	172.77
34 43 13 16-0056	EA	Uni-Directional 105 Watt Stop Bar Light With Cord Set And Film Disc Cutout	951.82	172.77
34 43 13 16-0057	EA	Uni-Directional 105 Watt Stop Bar Light With Shallow Base And Without Film Disc Cutout	1,350.98	172.77
34 43 13 16-0058	EA	Uni-Directional 105 Watt Stop Bar Light With Cord Set And Without Film Disc Cutout	923.22	172.77
34 43 13 16-0059		**Taxiway In-Pavement Lights** *(34 43 13 16-0001)*		
34 43 13 16-0060		**Taxiway Centerline, Straight Sections; Clearance Bar (>= 1,200 or <1,200 Runway Visual Range (RVR))** *(34 43 13 16-0059)* Note: L-852A or L-852C.		
34 43 13 16-0061	EA	Uni-Directional Straight Taxiway Centerline Light With Shallow Base And Film Disc Cutout	1,553.75	172.77
34 43 13 16-0062	EA	Uni-Directional Straight Taxiway Centerline Light With Cord Set And Film Disc Cutout	977.49	115.18
34 43 13 16-0063	EA	Uni-Directional Straight Taxiway Centerline Light With Two (2) Cord Sets And Film Disc Cutout	1,024.17	115.18
34 43 13 16-0064	EA	Uni-Directional Straight Taxiway Centerline Light With Shallow Base And Without Film Disc Cutout	1,533.02	172.77
34 43 13 16-0065	EA	Uni-Directional Straight Taxiway Centerline Light With Cord Set And Without Film Disc Cutout	923.67	115.18
34 43 13 16-0066	EA	Uni-Directional Straight Taxiway Centerline Light With Two (2) Cord Sets And Without Film Disc Cutout	966.99	115.18
34 43 13 16-0067	EA	Bi-Directional Straight Taxiway Centerline Light With Shallow Base And Film Disc Cutout	1,609.16	172.77
34 43 13 16-0068	EA	Bi-Directional Straight Taxiway Centerline Light With Cord Set And Film Disc Cutout	1,011.77	115.18
34 43 13 16-0069	EA	Bi-Directional Straight Taxiway Centerline Light With Two (2) Cord Sets And Film Disc Cutout	1,057.47	115.18
34 43 13 16-0070	EA	Bi-Directional Straight Taxiway Centerline Light With Shallow Base And Without Film Disc Cutout	1,587.47	172.77
34 43 13 16-0071	EA	Bi-Directional Straight Taxiway Centerline Light With Cord Set And Without Film Disc Cutout	955.47	115.18
34 43 13 16-0072	EA	Bi-Directional Straight Taxiway Centerline Light With Two (2) Cord Sets And Without Film Disc Cutout	997.88	115.18
34 43 13 16-0073		**Taxiway Centerline, Curved Sections; Clearance Bar (>= 1,200 or <1,200 Runway Visual Range (RVR))** *(34 43 13 16-0059)* Note: L-852B or L-852D or L-852J or L-852K.		
34 43 13 16-0074	EA	Uni-Directional Curved Taxiway Centerline Light With Shallow Base And Film Disc Cutout	1,588.65	172.77
34 43 13 16-0075	EA	Uni-Directional Curved Taxiway Centerline Light With Cord Set And Film Disc Cutout	975.16	115.18
34 43 13 16-0076	EA	Uni-Directional Curved Taxiway Centerline Light With Two (2) Cord Sets And Film Disc Cutout	1,029.37	115.18
34 43 13 16-0077	EA	Uni-Directional Curved Taxiway Centerline Light With Shallow Base And Without Film Disc Cutout	1,490.33	172.77
34 43 13 16-0078	EA	Uni-Directional Curved Taxiway Centerline Light With Cord Set And Without Film Disc Cutout	916.26	115.18
34 43 13 16-0079	EA	Uni-Directional Curved Taxiway Centerline Light With Two (2) Cord Sets And Without Film Disc Cutout	968.69	115.18
34 43 13 16-0080	EA	Bi-Directional Curved Taxiway Centerline Light With Shallow Base And Film Disc Cutout	1,643.43	172.77
34 43 13 16-0081	EA	Bi-Directional Curved Taxiway Centerline Light With Cord Set And Film Disc Cutout	1,007.98	115.18
34 43 13 16-0082	EA	Bi-Directional Curved Taxiway Centerline Light With Two (2) Cord Sets And Film Disc Cutout	1,064.57	115.18
34 43 13 16-0083	EA	Bi-Directional Curved Taxiway Centerline Light With Shallow Base And Without Film Disc Cutout	1,538.23	172.77
34 43 13 16-0084	EA	Bi-Directional Curved Taxiway Centerline Light With Cord Set And Without Film Disc Cutout	948.01	115.18
34 43 13 16-0085	EA	Bi-Directional Curved Taxiway Centerline Light With Two (2) Cord Sets And Without Film Disc Cutout	999.59	115.18
34 43 13 16-0086		**Taxiway Intersections; Clearance Bar (>= 1,200 Runway Visual Range (RVR))** *(34 43 13 16-0059)* Note: L-852E.		
34 43 13 16-0087	EA	Omni-Directional 45 Watt Taxiway Intersection Light With Shallow Base And Film Disc Cutout	1,353.66	172.77
34 43 13 16-0088	EA	Omni-Directional 150 Watt Taxiway Intersection Light With Shallow Base And Film Disc Cutout	1,597.59	172.77
34 43 13 16-0089	EA	Omni-Directional 30 Watt Taxiway Intersection Light With Shallow Base And Film Disc Cutout	1,409.56	172.77
34 43 13 16-0090	EA	Omni-Directional 40 Watt, 120 Volt AC, Taxiway Intersection Light With Shallow Base And Film Disc Cutout	1,567.11	172.77
34 43 13 16-0091	EA	Omni-Directional 45 Watt Taxiway Intersection Light With Cord Set And Film Disc Cutout	801.10	115.18
34 43 13 16-0092	EA	Omni-Directional 150 Watt Taxiway Intersection Light With Cord Set And Film Disc Cutout	1,009.43	172.77
34 43 13 16-0093	EA	Omni-Directional 30 Watt Taxiway Intersection Light With Cord Set And Film Disc Cutout	909.72	172.77
34 43 13 16-0094	EA	Omni-Directional 40 Watt, 120 Volt AC, Taxiway Intersection Light With Cord Set And Film Disc Cutout	960.46	172.77
34 43 13 16-0095	EA	Omni-Directional 45 Watt Taxiway Intersection Light With Shallow Base And Without Film Disc Cutout	1,329.93	172.77
34 43 13 16-0096	EA	Omni-Directional 150 Watt Taxiway Intersection Light With Shallow Base And Without Film Disc Cutout	1,568.13	172.77
34 43 13 16-0097	EA	Omni-Directional 30 Watt Taxiway Intersection Light With Shallow Base And Without Film Disc Cutout	1,384.52	172.77
34 43 13 16-0098	EA	Omni-Directional 40 Watt, 120 Volt AC, Taxiway Intersection Light With Shallow Base And Without Film Disc Cutout	1,538.37	172.77
34 43 13 16-0099	EA	Omni-Directional 45Watt Taxiway Intersection Light With Cord Set And Without Film Disc Cutout	782.21	115.18
34 43 13 16-0100	EA	Omni-Directional 150 Watt Taxiway Intersection Light With Cord Set And Without Film Disc Cutout	992.39	172.77
34 43 13 16-0101	EA	Omni-Directional 30 Watt Taxiway Intersection Light With Cord Set And Without Film Disc Cutout	895.25	172.77
34 43 13 16-0102	EA	Omni-Directional 40 Watt, 120 Volt AC, Taxiway Intersection Light With Cord Set And Without Film Disc Cutout	976.65	172.77
34 43 13 16-0103		**Taxiway Intersections; Clearance Bar (<1,200 Runway Visual Range (RVR))** *(34 43 13 16-0059)* Note: L-852F.		
34 43 13 16-0104	EA	Omni-Directional 120 Watt Taxiway Intersection Light With Shallow Base And Film Disc Cutout	1,577.65	172.77
34 43 13 16-0105	EA	Omni-Directional 120 Watt Taxiway Intersection Light With Cord Set And Film Disc Cutout	1,013.69	172.77
34 43 13 16-0106	EA	Omni-Directional 120 Watt Taxiway Intersection Light With Shallow Base And Without Film Disc Cutout	1,538.87	172.77
34 43 13 16-0107	EA	Omni-Directional 120 Watt Taxiway Intersection Light With Cord Set And Without Film Disc Cutout	992.66	172.77
34 43 13 16-0108		**Taxiway Edge, Apron Edge** *(34 43 13 16-0059)* Note: L-852T.		
34 43 13 16-0109	EA	Omni-Directional 45 Watt Taxiway Edge Light With Cord Set And Film Disc Cutout	1,514.74	172.77
34 43 13 16-0110	EA	Omni-Directional 45 Watt Taxiway Edge Light With Cord Set And Without Film Disc Cutout	1,333.11	172.77

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 43 13 16-0111		**Elevated Lights** *(34 43 13 16-0001)*		
34 43 13 16-0112		**Elevated Runway Guard** *(34 43 13 16-0111)* Note: L-804		
34 43 13 16-0113	EA	Elevated Runway Guard	1,980.13	115.18
34 43 13 16-0114		**Elevated Runway Edge** *(34 43 13 16-0111)* Note: L-860		
34 43 13 16-0115	EA	14" Omni-Directional Elevated Runway Edge Light	641.31	143.97
34 43 13 16-0116	EA	24" Omni-Directional Elevated Runway Edge Light	651.44	143.97
34 43 13 16-0117	EA	30" Omni-Directional Elevated Runway Edge Light	729.79	143.97
34 43 13 16-0118		**Elevated Runway Threshold/End** *(34 43 13 16-0111)* Note: L-860E		
34 43 13 16-0119	EA	14" Uni-Directional Elevated Runway Threshold/End Light	611.86	143.97
34 43 13 16-0120	EA	24" Uni-Directional Elevated Runway Threshold/End Light	621.15	143.97
34 43 13 16-0121	EA	30" Uni-Directional Elevated Runway Threshold/End Light	692.97	143.97
34 43 13 16-0122	EA	14" Bi-Directional Elevated Runway Threshold/End Light	628.06	143.97
34 43 13 16-0123	EA	24" Bi-Directional Elevated Runway Threshold/End Light	637.81	143.97
34 43 13 16-0124	EA	30" Bi-Directional Elevated Runway Threshold/End Light	713.22	143.97
34 43 13 16-0125		**Elevated Runway Edge or Threshold/End, Displaced Threshold, Non-Precision IFR Runways** *(34 43 13 16-0111)* Note: L-861, L-861E, L-861SE or L-861T		
34 43 13 16-0126	EA	14" Omni-Directional Elevated Runway Light, Non-Precision IFR Runways	582.42	143.97
34 43 13 16-0127	EA	20" Omni-Directional Elevated Runway Light, Non-Precision IFR Runways	587.66	143.97
34 43 13 16-0128	EA	24" Omni-Directional Elevated Runway Light, Non-Precision IFR Runways	590.85	143.97
34 43 13 16-0129	EA	30" Omni-Directional Elevated Runway Light, Non-Precision IFR Runways	656.15	143.97
34 43 13 16-0130	EA	14" Uni-Directional Elevated Runway Light, Non-Precision IFR Runways	585.64	143.97
34 43 13 16-0131	EA	20" Uni-Directional Elevated Runway Light, Non-Precision IFR Runways	590.95	143.97
34 43 13 16-0132	EA	24" Uni-Directional Elevated Runway Light, Non-Precision IFR Runways	594.17	143.97
34 43 13 16-0133	EA	30" Uni-Directional Elevated Runway Light, Non-Precision IFR Runways	660.19	143.97
34 43 13 16-0134	EA	14" Bi-Directional Elevated Runway Light, Non-Precision IFR Runways	600.52	143.97
34 43 13 16-0135	EA	20" Bi-Directional Elevated Runway Light, Non-Precision IFR Runways	606.10	143.97
34 43 13 16-0136	EA	24" Bi-Directional Elevated Runway Light, Non-Precision IFR Runways	609.48	143.97
34 43 13 16-0137	EA	30" Bi-Directional Elevated Runway Light, Non-Precision IFR Runways	678.80	143.97
34 43 13 16-0138		**Elevated Runway Edge or Threshold/End, Displaced Threshold, Precision IFR Runways** *(34 43 13 16-0111)* Note: L-862 Or L-862E		
34 43 13 16-0139	EA	14" Uni-Directional Elevated Runway Light, Precision IFR Runways	544.31	143.97
34 43 13 16-0140	EA	24" Uni-Directional Elevated Runway Light, Precision IFR Runways	549.67	143.97
34 43 13 16-0141	EA	30" Uni-Directional Elevated Runway Light, Precision IFR Runways	557.94	143.97
34 43 13 16-0142	EA	14" Swivel Head Uni-Directional Elevated Runway Light, Precision IFR Runways	655.09	143.97
34 43 13 16-0143	EA	24" Swivel Head Uni-Directional Elevated Runway Light, Precision IFR Runways	662.75	143.97
34 43 13 16-0144	EA	30" Swivel Head Uni-Directional Elevated Runway Light, Precision IFR Runways	680.90	143.97
34 43 13 16-0145	EA	14" Bi-Directional Elevated Runway Light, Precision IFR Runways	557.13	143.97
34 43 13 16-0146	EA	24" Bi-Directional Elevated Runway Light, Precision IFR Runways	562.75	143.97
34 43 13 16-0147	EA	30" Bi-Directional Elevated Runway Light, Precision IFR Runways	571.44	143.97
34 43 13 16-0148	EA	14" Swivel Head Bi-Directional Elevated Runway Light, Precision IFR Runways	673.44	143.97
34 43 13 16-0149	EA	24" Swivel Head Bi-Directional Elevated Runway Light, Precision IFR Runways	681.49	143.97
34 43 13 16-0150	EA	30" Swivel Head Bi-Directional Elevated Runway Light, Precision IFR Runways	700.55	143.97
34 43 13 16-0151		**Elevated Stop Bar** *(34 43 13 16-0111)* Note: L-862S		
34 43 13 16-0152	EA	14" Uni-Directional Elevated Stop Bar	548.96	143.97
34 43 13 16-0153	EA	24" Uni-Directional Elevated Stop Bar	555.02	143.97
34 43 13 16-0154	EA	30" Uni-Directional Elevated Stop Bar	557.94	143.97
34 43 13 16-0155		**Airfield Optional Accessories** *(34 43 13 16-0001)*		
34 43 13 16-0156	EA	30/45 Watt Transformer, Airfield Optional Accessories	301.32	57.59
34 43 13 16-0157	EA	65 Watt Transformer, Airfield Optional Accessories	337.07	57.59
34 43 13 16-0158	EA	100 Watt Transformer, Airfield Optional Accessories	372.82	57.59
34 43 13 16-0159	EA	200 Watt Transformer, Airfield Optional Accessories	385.62	57.59
34 43 13 16-0160	EA	300 Watt Transformer, Airfield Optional Accessories	472.72	86.38
34 43 13 16-0161	EA	500 Watt Transformer, Airfield Optional Accessories	523.48	86.38
34 43 13 16-0162	EA	10" Diameter Base Housing, Non-Load Bearing, Airfield Optional Accessories	495.39	115.18
34 43 13 16-0163	EA	12" Diameter Base Housing, Non-Load Bearing, Airfield Optional Accessories	576.42	115.18
34 43 13 16-0164	EA	15" Diameter Base Housing, Non-Load Bearing, Airfield Optional Accessories	683.67	115.18
34 43 13 16-0165	EA	12" Diameter Adjustable Base Housing, Load Bearing, Airfield Optional Accessories Note: L-867.	662.82	115.18
34 43 13 16-0166	EA	16" Diameter Adjustable Base Housing, Load Bearing, Airfield Optional Accessories Note: L-867.	796.88	115.18

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LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 43 13 16-0167	EA	Connection Kit For Conduit Cable, Airfield Optional Accessories	199.36	86.38
34 43 13 16-0168	MLF	#8 AWG Cable - XLP (XHHW), Underground Feeder And Branch Circuit, Airfield Optional Accessories Note: L-824.	1,489.34	
34 43 13 16-0169	MLF	#6 AWG Cable - XLP (XHHW), Underground Feeder And Branch Circuit, Airfield Optional Accessories Note: L-824.	1,913.12	
34 43 13 16-0170	MLF	#4 AWG Cable - XLP (XHHW), Underground Feeder And Branch Circuit, Airfield Optional Accessories Note: L-824.	2,541.33	
34 43 13 16-0171	EA	Frangible Coupling (Complete), Airfield Optional Accessories	159.35	6.80
34 43 13 16-0172	EA	Precast Concrete Base, Airfield Optional Accessories	706.00	93.30

34 43 13 23 Airfield Short-Approach Lighting Equipment *(34 43 13)*

34 43 13 23-0001 Land And Hold Short (LAHSO) Light System *(34 43 13 23)*

34 43 13 23-0002	EA	Land And Hold Short (LAHSO) Lighting System, Five (5) Unidirectional Inpavement Light Fixtures (FAA L850A), Power Control And Monitoring Unit And Tower Control Panel	22,626.48	

34 43 13 26 Airfield Omni-Directional-Approach Lighting Equipment *(34 43 13)*

34 43 13 26-0001 Elevated Approach *(34 43 13 26)*

34 43 13 26-0002	EA	Approach And Navigational Light 200 Watt - Heavy-Duty Assembly Only Elevated Approach	533.52	115.18
		For LED, Add	*121.07*	
34 43 13 26-0003	EA	Approach And Navigational Light 300 Watt - Heavy-Duty Assembly Only Elevated Approach	533.52	115.18
		For LED, Add	*121.07*	
34 43 13 26-0004	EA	Approach And Navigational Light 500 Watt - Heavy-Duty Assembly Only Elevated Approach	533.52	115.18
		For LED, Add	*121.07*	
34 43 13 26-0005	EA	Approach And Navigational Light 200 Watt - With Filter Bracket Elevated Approach	575.82	126.70
		For LED, Add	*128.70*	
34 43 13 26-0006	EA	Approach And Navigational Light 300 Watt - With Filter Bracket Elevated Approach	575.82	126.70
		For LED, Add	*128.70*	
34 43 13 26-0007	EA	Approach And Navigational Light 500 Watt - With Filter Bracket Elevated Approach	575.82	126.70
		For LED, Add	*128.70*	

34 43 13 29 Airfield Low-Intensity-Approach Lighting Equipment *(34 43 13)*

34 43 13 29-0001 Rotating Beacon *(34 43 13 29)*

34 43 13 29-0002	EA	Rotating Airport Beacon, 12 RPM, 400 Watt Metal Halide 1 Beam Clear, 400 Watt Metal Halide 1 Beam Green	31,720.86	2,752.79
34 43 13 29-0003	EA	Rotating Beam Single Drum, 12 RPM Clear Beam, 500 Watt Quartz	70,309.69	2,303.59
34 43 13 29-0004	EA	Rotating Beam, Double Drum, 6 RPM Clear And Green Beams, 1,000 Watt Quartz	76,334.98	2,533.95
34 43 13 29-0005	EA	Beacon Tower, Tubular Type, 51'	25,428.68	1,393.85
34 43 13 29-0006	EA	Weatherproof Panelboard, 4 - 15 Amperes Breakers	4,004.14	345.53

34 43 13 29-0007 Runway Approach Lights, Semi-Flush Unidirectional *(34 43 13 29)*

34 43 13 29-0008	EA	Runway Approach Light, Unidirectional, S-Flash, 115 Watt With Shallow Insert Base	2,221.92	172.77
34 43 13 29-0009	EA	Runway Approach Light, Unidirectional, S-Flash, 200 Watt With Shallow Insert Base	2,245.75	172.77
34 43 13 29-0010	EA	Runway Approach Light, Unidirectional, TD Zone, 115 Watt S-Flash, For Mounted In Base Housing	840.96	115.18
34 43 13 29-0011	EA	Runway Approach Light, Unidirectional, TD Zone, 200 Watt S-Flash, For Mounted In Base Housing	883.86	115.18

34 43 13 33 Airfield High-Intensity-Approach Lighting Equipment *(34 43 13)*

34 43 13 33-0001 High Intensity Approach/ Threshold Light, Semi-Flush *(34 43 13 33)*

Note: Unidirectional.

34 43 13 33-0002	EA	High Intensity Approach Light, 500 Watt Quartz, Clear Semi-Flush, Unidirectional	3,222.89	172.77
		For LED, Add	*575.32*	
34 43 13 33-0003	EA	High Intensity Threshold Light, Clear 500 Watt Quartz, Semi-Flush, Unidirectional	3,504.11	172.77
		For LED, Add	*631.56*	
34 43 13 33-0004	EA	High Intensity Approach Light, 500 Watt Quartz, Red Semi-Flush, Unidirectional	3,166.88	172.77
		For LED, Add	*564.12*	
34 43 13 33-0005	EA	High Intensity Threshold/End Light, Green/Red Semi-Flush, Unidirectional	3,694.77	172.77
		For LED, Add	*669.70*	

34 43 13 36 Airfield Precision-Approach Path Indicator Equipment *(34 43 13)*

34 43 13 36-0001 Precision Approach Path Indicator *(34 43 13 36)*

34 43 13 36-0002	EA	Approach And Navigational Light Precision Approach Path Indicator - 4 System, 4 Units, 3 Projectors Per Unit	21,981.11	921.44
34 43 13 36-0003	EA	Approach And Navigational Light Series Power Kit (3 x 200), Precision Approach Path Indicator	2,629.48	230.36
34 43 13 36-0004	EA	Approach And Navigational Light Clinometer Precision Approach Path Indicator	2,210.02	230.36
34 43 13 36-0005	EA	Approach And Navigational Light Optical Bench Precision Approach Path Indicator	4,981.28	345.53
34 43 13 36-0006	EA	Approach And Navigational Light Radio Receiver, Air-Ground Precision Approach Path Indicator	3,427.87	230.36
34 43 13 36-0007	EA	Approach And Navigational Light Radio Receiver, Interface Unidirectional Precision Approach Path Indicator	1,089.89	230.36

34 43 23 Weather Observation Equipment *(34 43)*

34 43 23 16 Airfield Wind Cones *(34 43 23)*

34 43 23 16-0001 Wind Cone, 12 Foot Long, Illuminated With 16' Hinged Pole *(34 43 23 16)*

34 43 23 16-0002	EA	Wind Cone, 12' Lighted Assembly, With Light Rigid With Obstruction Light	24,151.31	1,382.15

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 43 23 16-0003	EA	Wind Cone, 12' Lighted Assembly Rigid	20,416.35	1,266.97
34 43 23 16-0004	EA	Wind Cone, 12' Unlighted Assembly, With Light Rigid With Obstruction Light	21,713.65	1,151.79
34 43 23 16-0005	EA	Wind Cone, 12' Unlighted Assembly Rigid	19,955.63	1,036.61
34 43 23 16-0006	EA	Wind Cone Slip Fitter, 2.5" Pipe	410.01	86.38
34 43 23 16-0007	EA	12' x 3' Wind Cone Cotton Sock With Frame	1,495.22	298.71
34 43 23 16-0008	EA	12' x 3' Wind Cone Nylon Sock With Frame	1,403.85	298.71
34 43 23 16-0009	EA	Booster Transformer, 1 KW Weatherproof Cabinet	1,477.58	172.77
34 43 23 16-0010		Wind Cone, Up To 8 Foot Long, Illuminated With 8' Hinged Pole *(34 43 23 16)*		
34 43 23 16-0011	EA	Wind Cone, 8' Lighted Assembly With Light Frangible With Obstruction Light	18,343.84	1,151.79
34 43 23 16-0012	EA	Wind Cone, 8' Lighted Assembly Frangible	19,693.44	1,036.61
34 43 23 16-0013	EA	Wind Cone, 8' Lighted Assembly Rigid	15,485.03	1,036.61
34 43 23 16-0014	EA	Wind Cone, 8' Unlighted Assembly, With Light Rigid With Obstruction Light	16,630.76	1,036.61
34 43 23 16-0015	EA	Wind Cone, 8' Unlighted Assembly Frangible	19,894.22	921.44
34 43 23 16-0016	EA	Wind Cone, 8' Unlighted Assembly Rigid	15,254.67	921.44
34 43 23 16-0017	EA	8' x 1-1/2' Wind Cone Nylon Sock With Frame	849.27	298.71
34 43 23 16-0018	EA	Removal And Replacement Of 8' x 1-1/2' Wind Cone Nylon Sock	317.02	
34 43 26		**Airfield Control Equipment** *(34 43)*		
34 43 26 13		**Airfield Lighting Control Equipment** *(34 43 26)*		
34 43 26 13-0001		Power Cable Assemblies *(34 43 26 13)*		
34 43 26 13-0002	EA	Approach And Navigational Light Upper Cable Assembly Power Cable Assemblies	223.19	86.38
34 43 26 13-0003	EA	Approach And Navigational Light Lower Cable Assembly Power Cable Assemblies	223.19	86.38
34 43 26 13-0004	EA	Approach And Navigational Light Cable Clamp Power Cable Assemblies	88.62	28.79
34 43 26 13-0005		Power Distribution And Control Equipment *(34 43 26 13)*		
34 43 26 13-0006		Control Panel *(34 43 26 13-0005)*		
34 43 26 13-0007	EA	Control Panel, Series Circuit Monitor 6.6 Amperes, 48 Volt DC Current	9,483.58	691.08
34 43 26 13-0008	EA	Key Selector Switch	124.13	37.43
34 43 26 13-0009		Series/Isolation Transformers *(34 43 26 13-0005)*		
34 43 26 13-0010	EA	Series / Isolation Transformers 30/45 Watt - FAA	301.32	57.59
34 43 26 13-0011	EA	Series / Isolation Transformers 65 Watt - FAA	337.07	57.59
34 43 26 13-0012	EA	Series / Isolation Transformers 100 Watt - FAA	372.82	57.59
34 43 26 13-0013	EA	Series / Isolation Transformers 300 Watt - FAA	506.80	86.38
34 43 26 13-0014	EA	Series / Isolation Transformers 500 Watt - FAA	528.25	86.38
34 43 26 13-0015	EA	Series / Isolation Transformers 30/45 Watt - MIL	388.31	57.59
34 43 26 13-0016	EA	Series / Isolation Transformers 200 Watt - MIL	455.04	57.59
34 43 26 13-0017	EA	Series / Isolation Transformers 300 Watt - MIL	615.24	86.38
34 43 26 13-0018	EA	Series / Isolation Transformers 500 Watt - MIL	693.88	86.38
34 43 26 13-0019		Auxiliary Pilot Relay Cabinet *(34 43 26 13-0005)*		
34 43 26 13-0020	EA	Relay Cabinet, 20 Circuit, 120 Volt, 50/60 Hertz Auxiliary Pilot Relay Cabinet	4,691.76	460.71
34 43 26 13-0021	EA	Relay Cabinet, 20 Circuit, 120 Volt, 50 Hertz Auxiliary Pilot Relay Cabinet	4,691.76	460.71
34 43 26 13-0022	EA	Relay Cabinet, 20 Circuit, 120 Volt, 60 Hertz Auxiliary Pilot Relay Cabinet	5,490.97	575.90
34 43 26 13-0023	EA	Master Timer Cabinet	19,544.55	1,248.20
34 43 26 13-0024		Radio Control *(34 43 26 13-0005)*		
34 43 26 13-0025	EA	Radio Control Receiver Controller	9,755.54	3,697.26
34 43 26 13-0026		Constant Current Regulator *(34 43 26 13-0005)*		
34 43 26 13-0027	EA	Constant Current Regulator, 10 KW - Wet Type Power Distribution And Control Equipment	14,726.75	691.08
34 43 26 13-0028	EA	Constant Current Regulator, 20 KW - Wet Type Power Distribution And Control Equipment	25,429.90	1,036.61
34 43 26 13-0029	EA	Constant Current Regulator, 50 KW - Wet Type Power Distribution And Control Equipment	38,821.84	1,727.69
34 43 26 13-0030	EA	Constant Current Regulator, 4 KW - Dry Type Power Distribution And Control Equipment	5,696.26	345.53
34 43 26 13-0031	EA	Constant Current Regulator, 7.5 KW - Dry Type Power Distribution And Control Equipment	8,309.55	460.71
34 43 26 13-0032	EA	Constant Current Regulator, 10 KW - Dry Type Power Distribution And Control Equipment	10,675.21	691.08
34 43 26 13-0033		Lamp Failure Detector *(34 43 26 13-0005)*		
34 43 26 13-0034	EA	Lamp Failure Detector, 120/240 Volt, 1 - 6.6 Amperes And 3 - 20 Amperes Circuit Monitoring	12,773.21	460.71
34 43 26 13-0035		Accessories *(34 43 26 13-0005)*		
34 43 26 13-0036	EA	Plug Cutout Power Distribution And Control Equipment Accessory	1,354.43	230.36
34 43 26 13-0037	EA	Primary Connector Kit Power Distribution And Control Equipment Accessory	257.07	115.18
34 43 26 13-0038	EA	Secondary Connector Kit Power Distribution And Control Equipment Accessory	273.75	115.18
34 43 26 13-0039	EA	Heat Shrink Kit Power Distribution And Control Equipment Accessory	360.59	172.77

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 43 26 13-0040		**Runway Lighting Cable** *(34 43 26 13-0005)*		
34 43 26 13-0041	LF	Electric Type "C" Cable	11.07	1.15
34 43 26 13-0042		**Terminal Blocks** *(34 43 26 13-0005)*		
34 43 26 13-0043	EA	Terminal Blocks	137.62	12.44
34 43 26 13-0044		**Tower Lighting Controllers** *(34 43 26 13)*		
34 43 26 13-0045	EA	Tower Light Controllers 0-150' Tower Cabinets Only	4,068.53	921.44
34 43 26 13-0046	EA	Light Controllers 150-450' Tower Cabinets Only	7,107.39	1,036.61
34 43 26 13-0047	EA	One Obstruction Light Alarm	2,649.30	460.71
34 43 26 13-0048	EA	2 Obstruction Lights And 1 Beacon Alarm, Flasher Fail Safe	5,455.87	691.08
34 43 26 13-0049	EA	Alarm Test Switch For 2 Lights Obstruction	4,996.82	460.71
34 43 26 13-0050		**Junction Boxes And Tower Accessories** *(34 43 26 13)*		
34 43 26 13-0051	EA	Size 1 Junction Box, With 4 Hubs, 4" Diameter x 2" Deep	378.61	115.18
34 43 26 13-0052	EA	Size 2 Junction Box, With 2 Or 4 Hubs, 8" x 4" x 2.5"	631.37	143.97
34 43 26 13-0053	EA	Size 3 Junction Box, With 4 Hubs 8 1/2" x 11 5/8" x 3 5/8"	1,006.45	172.77
34 43 26 13-0054	EA	Size 4 Junction Box, With 4 Hubs, 18" x 12" x 6"	1,390.18	230.36
34 43 26 13-0055	EA	Junction Box Breather, Screened 1" Nipple With Threaded 90 Degree Elbow	266.60	115.18
34 43 26 13-0056	EA	Junction Box Drain, Screened 1" Nipple	266.60	115.18
34 43 26 13-0057	EA	Wraplock Tape, Galvanized Steel 100' Roll	1,452.06	691.08
34 43 26 13-0058	EA	Telephone Jack Assembly In Field Box With 1/2" Hub	656.14	115.18
34 43 26 13-0059	EA	Elevated Approach Bar	12,169.59	3,975.88
34 43 26 13-0060		**Lighting Kits For Towers** *(34 43 26 13)* Note: Includes fixtures, junction boxes, controllers, accessories, less wire and conduit.		
34 43 26 13-0061	EA	Lighting Kits For Up To 100' Tower	10,754.04	4,105.04
34 43 26 13-0062	EA	Lighting Kits For From 101'-150' Tower	19,795.64	5,131.30
34 43 26 13-0063	EA	Lighting Kits For From 151'-200' Tower	24,804.77	7,696.95
34 43 26 13-0064	EA	Lighting Kits For From 201'-300' Tower	32,676.80	11,545.44
34 43 26 13-0065	EA	Lighting Kits For From 301'-450' Tower	56,796.25	18,985.82
34 43 26 13-0066		**Junction Boxes And Tower Accessories** *(34 43 26 13)*		
34 43 26 13-0067	EA	Termination Bar Complete	7,230.53	1,248.20

34 70 Transportation Construction and Equipment *(34)*

34 71 Roadway Construction *(34 70)*

34 71 13 Vehicle Barriers *(34 71)*

34 71 13 13 Vehicle Median Barriers *(34 71 13)*

34 71 13 13-0001		**Concrete Median Barrier** *(34 71 13 13)*		
34 71 13 13-0002	LF	Median Barrier, Precast, 42" High Single Face	73.88	4.65
34 71 13 13-0003	LF	Median Barrier, Precast, 32" High, 2' Wide Base, Double Face	118.10	4.65
34 71 13 13-0004	LF	Median Barrier, Precast, 42" High, 2' Wide Base, Double Face	164.32	4.65
34 71 13 13-0005	LF	Median Barrier, Cast In Place With Steel Forms	49.51	6.27
34 71 13 13-0006	LF	Median Barrier, Slipformed Concrete	42.57	3.68

34 71 13 16 Vehicle Crash Barriers *(34 71 13)*

34 71 13 16-0001		**Impact Barrier, Non-Redirective** *(34 71 13 16)*		
34 71 13 16-0002		**Sand Barrel Impact Attenuator** *(34 71 13 16-0001)* Note: Includes containers, inserts, and lid. Excludes sand.		
34 71 13 16-0003	EA	200, 400 Or 700 Lb. Sand Barrel Note: Includes containers, inserts, and lid.	588.28	57.34

34 71 13 26 Vehicle Guide Rails *(34 71 13)*

34 71 13 26-0001		**Mobilize Guide Rail Crew** *(34 71 13 26)*		
34 71 13 26-0002	EA	Mobilize Guide Rail Crew Note: Excludes equipment mobilization.	1,453.29	
34 71 13 26-0003		**Corrugated Beam Guide Rail** *(34 71 13 26)*		
34 71 13 26-0004		**Corrugated Beam Guide Railing** *(34 71 13 26-0003)*		
34 71 13 26-0005		**Corrugated Beam Guide Railing. Straight Sections** *(34 71 13 26-0004)* Note: Add additional length for back-up sections.		
34 71 13 26-0006	LF	Corrugated Beam Guide Railing	33.97	2.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0007	LF	Corrugated Beam Guide Railing (Rustic)	36.88	2.60
34 71 13 26-0008		**Corrugated Beam Guide Railing, Shop Curved** *(34 71 13 26-0004)*		
		Note: Add additional length for back-up sections.		
34 71 13 26-0009	LF	Shop Curved Corrugated Beam Guide Railing	45.38	2.60
34 71 13 26-0010	LF	Shop Curved Corrugated Beam Guide Railing (Rustic)	49.40	2.60
34 71 13 26-0011	LF	Shop Curved Corrugated Beam Guide Railing End	121.40	2.60
		Note: Treatment for mall barriers driveways, walkways, special end, etc.		
34 71 13 26-0012	LF	Shop Curved Corrugated Beam Guide Railing (Rustic) End	132.77	2.60
		Note: Treatment for mall barriers shop curved corrugated beam guide railing end etc.		
34 71 13 26-0013		**Corrugated Beam Guide Railing, Manufactured End Sections** *(34 71 13 26-0003)*		
34 71 13 26-0014	EA	Corrugated Beam Guide Railing End Section At Anchor Unit	238.32	34.26
34 71 13 26-0015	EA	Corrugated Beam Guide Railing End Section (Rustic) At Anchor Unit	253.86	34.26
34 71 13 26-0016	EA	Corrugated Beam Guide Railing Flared Or 180 Degree End Section	331.53	34.26
34 71 13 26-0017	EA	Corrugated Beam Guide Railing Flared Or 180 Degree End Section (Rustic)	347.06	34.26
34 71 13 26-0018	EA	Corrugated Beam Guide Railing 225 Degree End Section	331.53	34.26
34 71 13 26-0019	EA	Corrugated Beam Guide Railing 225 Degree End Section (Rustic)	347.06	34.26
34 71 13 26-0020		**Corrugated Beam Guide Rail Posts** *(34 71 13 26-0003)*		
		Note: Includes mounting hardware.		
34 71 13 26-0021	EA	Standard Post For Corrugated Beam Guide Rail	271.23	17.00
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*4.53*	
34 71 13 26-0022	EA	Standard Post For (Rustic) Corrugated Beam Guide Rail	286.77	17.00
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*4.53*	
34 71 13 26-0023	EA	Extra Long Post For Corrugated Beam Guide Rail	302.30	17.00
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*4.53*	
34 71 13 26-0024	EA	Extra Long Post (Rustic) for Corrugated Beam Guide Rail	317.83	17.00
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*4.53*	
34 71 13 26-0025	EA	6B8-1/2" or Mall Barrier Post for Corrugated Beam Guide Rail	271.23	17.00
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*4.53*	
34 71 13 26-0026	EA	Post Struts for Corrugated Beam Guide Rail Mall Barrier Post	395.51	17.00
		For Installation In Rock, Add	*4.53*	
34 71 13 26-0027		**Heavy Post Blocked Out Corrugated Beam Guide Rail Posts** *(34 71 13 26-0003)*		
		Note: Includes mounting hardware. Excludes triangular mounting brackets.		
34 71 13 26-0028	EA	Standard Post For Heavy Post Blocked Out Corrugated Beam Guide	271.23	17.00
34 71 13 26-0029	EA	Standard Rustic Post For Heavy Post Blocked Out Corrugated Beam Guide	286.77	17.00
34 71 13 26-0030	EA	Extra Long Post for Heavy Post Blocked Out Corrugated Beam Guide	302.30	17.00
34 71 13 26-0031	EA	Extra Long Post (Rustic) For heavy post blocked out corrugated beam guide rail	317.83	17.00
		Note: For heavy post blocked out corrugated beam guide (rustic)		
34 71 13 26-0032	EA	Type A Post 1630mm Post	263.46	17.00
		Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0033	EA	Type A Post 1630mm Post (Rustic)	279.00	17.00
		Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0034	EA	Type B Post 1460mm	247.93	17.00
		Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0035	EA	Type B Post 1460mm (Rustic)	263.46	17.00
		Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0036	EA	Type C Post 1290mm	232.39	17.00
		Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0037	EA	Type C Post 1290mm (Rustic)	247.93	17.00
		Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0038	EA	Breakaway Wood Or Steel Post In Steel Foundation Tube	1,050.47	17.00
34 71 13 26-0039	EA	Wood, Metal, Plastic Or Composite Offset Block Or Beam	100.35	17.00
		Note: For heavy post blocked out corrugated beam guide rail.		
34 71 13 26-0040		**Corrugated Beam Guide Rail Accessories** *(34 71 13 26-0003)*		
34 71 13 26-0041	EA	Triangular Mounting Brackets (Galvanized Or Rustic) For All Post Types A, B And C	207.25	38.93
34 71 13 26-0042		**Corrugated Beam Guide Rail Repair for Existing Guide Rail** *(34 71 13 26-0003)*		
		Note: Includes associated hardware.		
34 71 13 26-0043	LF	Removal And Storage Of Corrugated Beam Guide Railing And Post	15.21	
34 71 13 26-0044	EA	Install Stored Post For Corrugated Beam Guide Rail	51.90	
34 71 13 26-0045	LF	Install Stored Corrugated Beam Guide Railing And Post	8.83	
34 71 13 26-0046		**Corrugated Thrie Beam Guide Railing** *(34 71 13 26-0003)*		
34 71 13 26-0047		**Corrugated Thrie Beam Guide Railing. Straight Sections** *(34 71 13 26-0046)*		
		Note: Add additional length for back-up sections.		
34 71 13 26-0048	LF	Corrugated Thrie Beam Guide Railing	83.67	3.27

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0049	LF	Corrugated Thrie Beam Guide Railing (Rustic)	88.41	3.27
34 71 13 26-0050		**Corrugated Thrie Beam Guide Railing. Shop Curved** *(34 71 13 26-0046)*		
		Note: Add additional length for back-up sections.		
34 71 13 26-0051	LF	Shop Curved Corrugated Thrie Beam Guide Railing	102.61	3.27
34 71 13 26-0052	LF	Shop Curved Corrugated Thrie Beam Guide Railing (Rustic)	107.35	3.27
34 71 13 26-0053		**Corrugated Thrie Beam Guide Rail Posts** *(34 71 13 26-0046)*		
		Note: Includes hardware for mounting.		
34 71 13 26-0054	EA	Standard Post For Corrugated Thrie Beam Guide Rail	346.13	3.27
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For 32" Soil Plate, Add	*7.00*	
34 71 13 26-0055	EA	Standard Post (Rustic) For Corrugated Thrie Beam Guide Rail	361.66	3.27
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For 32" Soil Plate, Add	*7.00*	
34 71 13 26-0056		**Timber Guide Rails** *(34 71 13 26)*		
		Note: Includes drilling and fasteners. Excludes excavation, auguring and concrete.		
34 71 13 26-0057		**Timber Guide Rail Posts** *(34 71 13 26-0056)*		
34 71 13 26-0058	EA	6" x 8" Timber Guide Rail Post	119.79	12.97
34 71 13 26-0059	EA	6" x 9" Timber Guide Rail Post	136.77	12.97
34 71 13 26-0060	EA	10" x 10" Timber Guide Rail Post	269.83	12.97
34 71 13 26-0061	EA	10" x 12" Timber Guide Rail Post	285.70	12.97
34 71 13 26-0062	EA	12" x 12" Timber Guide Rail Post	330.93	12.97
34 71 13 26-0063		**Timber Guide Rails** *(34 71 13 26-0056)*		
		Note: Excludes posts, spacer blocks and steel backup plates.		
34 71 13 26-0064	LF	4" x 9" Timber Guide Rail	14.87	1.56
34 71 13 26-0065	LF	6" x 10" Timber Guide Rail	20.98	1.56
34 71 13 26-0066	LF	6" x 12" Timber Guide Rail	24.56	1.56
34 71 13 26-0067		**Spacer Blocks For Timber Guide Rails** *(34 71 13 26-0056)*		
34 71 13 26-0068	EA	4" x 9" Spacer Block For Timber Guide Rails	19.37	2.07
34 71 13 26-0069	EA	6" x 8" Spacer Block For Timber Guide Rails	22.30	2.07
34 71 13 26-0070	EA	8" x 8" Spacer Block For Timber Guide Rails	26.03	2.07
34 71 13 26-0071		**Weathering Steel Backup Plates For Timber Guide Rails** *(34 71 13 26-0056)*		
34 71 13 26-0072	LF	6" High, Weathering Steel Backup Plate For Timber Guide Rails	27.08	1.30
34 71 13 26-0073		**Weathering Steel Splice And Bearing Plates For Timber Guide Rails** *(34 71 13 26-0056)*		
34 71 13 26-0074	EA	Weathering Steel Splice Plate For Timber Guide Rails	187.58	18.17
34 71 13 26-0075	EA	Weathering Steel Bearing Termination Plate For Timber Guide Rails	117.54	12.97
34 71 13 26-0076		**Cable Guide Rail** *(34 71 13 26)*		
34 71 13 26-0077		**Cable Guide Rail** *(34 71 13 26-0076)*		
34 71 13 26-0078	LF	Cable (Each Cable)	16.99	2.81
		Note: Includes tensioning. Excludes splices.		
34 71 13 26-0079	EA	Cable Splice With Wedges	492.01	19.46
34 71 13 26-0080		**Cable Guide Rail Posts** *(34 71 13 26-0076)*		
		Note: Includes hardware for cable mounting.		
34 71 13 26-0081	EA	Standard Post for Cable Guide Rail	308.58	56.67
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*15.11*	
34 71 13 26-0082	EA	Standard Post (Rustic) for Cable Guide Rail	324.12	56.67
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*15.11*	
34 71 13 26-0083	EA	Extra Long Post for Cable Guide Rail	324.12	56.67
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*15.11*	
34 71 13 26-0084	EA	Extra Long Post (Rustic) for Cable Guide Rail	339.66	56.67
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*15.11*	
34 71 13 26-0085	EA	Slip Impact Post Top for Anchor Unit	216.65	22.67
34 71 13 26-0086	EA	Slip Impact Post Base and Keeper Plate	605.03	22.67
		Note: For anchor unit.		
34 71 13 26-0087		**Cable Guide Rail Accessories For Breakaway Anchor Angle Systems** *(34 71 13 26-0076)*		
34 71 13 26-0088	EA	Turnbuckle Cable End Assembly For Use With Breakaway Anchors	874.90	260.04

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0089	EA	Turnbuckle Cable End Assembly	328.04	13.00
34 71 13 26-0090	EA	Spring Cable End Assembly (Compensating Device) For Use With Breakaway Anchors	1,096.07	6.46
34 71 13 26-0091	EA	Spring Cable End Assembly (Compensating Device) Without Turnbuckle	1,127.14	6.46
34 71 13 26-0092	EA	Breakaway Anchor Angle	421.25	13.00
34 71 13 26-0093	EA	Standard End Post Cap Assembly	195.04	6.46
34 71 13 26-0094	EA	Driveway End Post Cap Assembly	163.97	6.46
34 71 13 26-0095	EA	End Post Ground Support Plates	86.30	6.46
34 71 13 26-0096	EA	11" Stud Bolt, Cable Guide Rail	74.64	6.46
34 71 13 26-0097	EA	18" Stud Bolt, Cable Guide Rail	90.18	6.46
34 71 13 26-0098	EA	25" Stud Bolt, Cable Guide Rail	105.71	6.46
34 71 13 26-0099	EA	1-1/4" Diameter Turnbuckle, Cable Guide Rail	949.44	13.00
34 71 13 26-0100	EA	1-1/2" Diameter Turnbuckle, Cable Guide Rail	1,011.58	13.00
34 71 13 26-0101	EA	5/8" Diameter Turnbuckle With 12" Take-up And Shackle Ends, Cable Guide Rail	669.81	13.00
34 71 13 26-0102	EA	5/8" Eye Bolt 18" Long, Cable Guide Rail	412.53	6.46
34 71 13 26-0103	EA	3/4" Eye Bolt 8'-6" Long, Cable Guide Rail	421.25	13.00
34 71 13 26-0104	EA	1-5/8" Anchor Rod 10' Long With Plate, Cable Guide Rail	445.40	19.46
34 71 13 26-0105		**Cable Guide Rail Accessories For Slip Impact Post Systems** *(34 71 13 26-0076)*		
34 71 13 26-0106	EA	Turnbuckle Cable End Assembly Note: For use with slip impact post.	755.38	18.93
34 71 13 26-0107	EA	Spring Cable End Assembly (Compensating Device) Note: For use with slip impact post.	1,501.06	18.93
34 71 13 26-0108	EA	Anchor Angle For Slip Impact Post System	429.15	18.93
34 71 13 26-0109	EA	Cable End Assembly Rod Note: Includes cable end, threaded rod and keeper to anchor angle.	351.48	18.93
34 71 13 26-0110		**Cable Guide Rail Repair For Existing Guide Rail** *(34 71 13 26-0076)* Note: Includes associated hardware.		
34 71 13 26-0111	LF	Retention Existing Cable (Each Cable)	1.74	
34 71 13 26-0112	LF	Removal And Storage Of Cable Guide Railing	10.45	
34 71 13 26-0113	EA	Install Stored Post For Cable Guide Railing	75.56	
34 71 13 26-0114	LF	Install Stored Cable, (Each Cable) Note: Includes retensioning. Excludes splices.	4.63	
34 71 13 26-0115		**6" x 6" Box Beam Guide Rail** *(34 71 13 26)*		
34 71 13 26-0116		**Box Beam Guide Rail, 6" x 6"** *(34 71 13 26-0115)*		
34 71 13 26-0117		**Straight Sections, Box Beam Guide Rail** *(34 71 13 26-0116)*		
34 71 13 26-0118	LF	Box Beam Guide Railing 6" x 6" x 3/16" Galvanized Note: Excludes splices.	101.43	3.27
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0119	LF	Box Beam Guide Railing 6" x 6" x 3/16" (Rustic) Note: Excludes splices.	115.63	3.27
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0120	LF	Box Beam Guide Railing 8" x 6" x 3/16" Galvanized Note: Excludes splices	120.87	3.27
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0121		**Shop Curved, Box Beam Guide Rail** *(34 71 13 26-0116)*		
34 71 13 26-0122	LF	Shop Curved Box Beam Guide Railing 6" x 6" x 3/16" Galvanized Note: Excludes splices.	155.88	3.27
		For Shop Curved At <20' Radius, Add	*2.44*	
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0123	LF	Shop Curved Box Beam Guide Railing 6" x 6" x 3/16" (Rustic) Note: Excludes splices.	170.09	3.27
		For Shop Curved At <20' Radius, Add	*2.44*	
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0124	LF	Shop Curved Box Beam Guide Railing 8" x 6" x 3/16" Galvanized Note: Excludes splices.	186.12	3.27
		For Shop Curved At <20' Radius, Add	*2.44*	
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0125		**Box Beam Guide Rail End Treatment Sections** *(34 71 13 26-0115)* Note: Includes rail, end cover plate and hardware only. Excludes posts and splice.		
34 71 13 26-0126	EA	Box Beam End Piece Guide Railing Section Note: Galvanized excludes splices.	1,605.40	38.93
34 71 13 26-0127	EA	Box Beam End Piece Guide Railing Section (Rustic) Note: Excludes splices.	1,776.28	38.93
34 71 13 26-0128	EA	Box Beam Guide Railing End Treatment Section At Driveway, Galvanized Note: Excludes splices.	1,512.19	38.93
34 71 13 26-0129	EA	Box Beam Guide Railing End Treatment Section At Driveway, (Rustic) Note: Excludes splices.	1,574.33	38.93
34 71 13 26-0130	EA	Box Beam Guiderail End Assembly Note: Includes all components for the first 14'. Includes energy absorbing terminal, bearing plate, steel breakaway post upper and lower assembly, interior sleeve, box beam, post breaker, cable assembly, end tube rail, end tube tie plate, post 1 and post 2.	45,438.53	1,038.06

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LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0131		**Splices For Box Beam Guide Rail** *(34 71 13 26-0115)*		
34 71 13 26-0132	EA	Splice For Box Beam Guide Rail	348.59	57.78
34 71 13 26-0133	EA	Splice For Box Beam Guide Rail (Rustic)	457.34	57.78
34 71 13 26-0134		**Box Beam Guide Rail Posts** *(34 71 13 26-0115)*		
		Note: Includes hardware for box beam mounting.		
34 71 13 26-0135	EA	Standard Post For Box Beam Guide Rail	324.12	56.67
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*15.11*	
34 71 13 26-0136	EA	Standard Post (Rustic) for Box Beam Guide Railing	339.66	56.67
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*15.11*	
34 71 13 26-0137	EA	Extra Long Post For Box Beam Guide Rail	355.19	56.67
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*15.11*	
34 71 13 26-0138	EA	Extra Long Post (Rustic) For Box Beam Guide Rail	370.72	56.67
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*15.11*	
34 71 13 26-0139	EA	Type I End Assembly Post	308.58	56.67
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*15.11*	
34 71 13 26-0140	EA	Type I End Assembly Post (Rustic)	324.12	56.67
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*15.11*	
34 71 13 26-0141	EA	Type II End Assembly Post	293.05	56.67
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*15.11*	
34 71 13 26-0142	EA	Type II End Assembly Post (Rustic)	308.58	56.67
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*15.11*	
34 71 13 26-0143		**Box Beam Guide Rail Accessories** *(34 71 13 26-0115)*		
34 71 13 26-0144	EA	Box Beam Guide Rail End Cover Plate	201.99	11.67
34 71 13 26-0145	EA	Box Beam Guide Rail End Cover Plate (Rustic)	217.53	11.67
34 71 13 26-0146		**Box Beam Guide Railing Repair, And Resetting** *(34 71 13 26-0115)*		
		Note: For existing guide rail.		
34 71 13 26-0147	LF	Removal And Storage Of Box Beam Guide Rail And Post	5.13	
34 71 13 26-0148	LF	Reset Box Beam Guide Rail	14.96	
34 71 13 26-0149		**6" x 8" Box Beam Median Barrier** *(34 71 13 26)*		
34 71 13 26-0150		**Box Beam Median Barrier, 6" x 8"** *(34 71 13 26-0149)*		
34 71 13 26-0151		**Straight Sections, Box Beam Median Barrier** *(34 71 13 26-0150)*		
34 71 13 26-0152	LF	Box Beam Median Barrier Galvanized Excludes Splices	164.72	11.67
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0153	LF	Box Beam Median Barrier (Rustic) Excludes Splices	178.93	11.67
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0154		**Shop Curved, Box Beam Median Barrier** *(34 71 13 26-0150)*		
34 71 13 26-0155	LF	Shop Curved Box Beam Median Barrier Galvanized	202.06	11.67
		Note: Excludes splices.		
		For Shop Curved At <20' Radius, Add	*2.44*	
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0156	LF	Shop Curved Box Beam Median Barrier Rustic	248.68	11.67
		Note: Excludes splices.		
		For Shop Curved At <20' Radius, Add	*2.44*	
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0157		**Box Beam Median Barrier End Treatment Sections** *(34 71 13 26-0149)*		
		Note: Includes rail, end cover plate and hardware. Excludes posts.		
34 71 13 26-0158	EA	Box Beam Median Barrier Type A End Treatment Section, Galvanized	5,318.26	38.93
		Note: Excludes splices and post.		
34 71 13 26-0159	EA	Box Beam Median Barrier Type A End Treatment Section (Rustic)	5,442.54	38.93
		Note: Excludes splices and post.		
34 71 13 26-0160	EA	Box Beam Median Barrier Type B End Treatment Section, Galvanized	5,318.26	38.93
		Note: Excludes splices and post.		
34 71 13 26-0161	EA	Box Beam Median Barrier Type B End Treatment Section (Rustic)	5,442.54	38.93
		Note: Excludes splices and post.		
34 71 13 26-0162		**Splices For Box Beam Median Barrier** *(34 71 13 26-0149)*		
34 71 13 26-0163	EA	Splice for Box Beam Median Barrier	383.29	31.14
34 71 13 26-0164	EA	Splice for Box Beam Median Barrier (Rustic)	616.32	31.14

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0165		**Box Beam Median Barrier Posts Driven With Soil Plate** *(34 71 13 26-0149)*		
		Note: Includes all associated hardware.		
34 71 13 26-0166	EA	Standard Post for Box Beam Median Barrier	324.12	56.67
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*15.11*	
34 71 13 26-0167	EA	Standard Post (Rustic) for Box Beam Median Barrier	339.66	56.67
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*15.11*	
34 71 13 26-0168	EA	Extra Long Post for Box Beam Median Barrier	355.19	56.67
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*15.11*	
34 71 13 26-0169	EA	Extra Long Post (Rustic) for Box Beam Median Barrier	370.72	56.67
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*15.11*	
34 71 13 26-0170	EA	Type B End Treatment or Rub Back Anchor Post for Box Beam	293.05	56.67
		Note: For median barrier.		
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*15.11*	
34 71 13 26-0171	EA	Type B End Treatment or Rub Back Anchor Post (Rustic)	293.05	56.67
		Note: For box beam median barrier.		
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*15.11*	
34 71 13 26-0172	EA	Type I End Assembly Post for Box Beam Median Barrier to Concrete	355.19	56.67
		Note: For median barrier transition.		
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*15.11*	
34 71 13 26-0173	EA	Type I End Assembly Post (Rustic) for Box Beam Median Barrier	370.72	56.67
		Note: For Concrete median barrier transition.		
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*15.11*	
34 71 13 26-0174		**Box Beam Median Barrier Accessories** *(34 71 13 26-0149)*		
34 71 13 26-0175	EA	Box Beam Median Barrier End Cover Plate	235.71	27.40
34 71 13 26-0176	EA	Box Beam Median Barrier End Cover Plate (Rustic)	251.24	27.40
34 71 13 26-0177		**Box Beam Median Barrier Repair, And Resetting** *(34 71 13 26-0149)*		
		Note: For existing guide rail.		
34 71 13 26-0178	LF	Removal And Storage Of Box Beam Median Barrier and Posts	5.30	
34 71 13 26-0179	LF	Reset Box Beam Median Barrier	15.67	
34 71 13 26-0180		**Universal Guide Rail Items** *(34 71 13 26)*		
34 71 13 26-0181		**Guide Rail Concrete Anchor Units For All Types Of Guide Rail** *(34 71 13 26-0180)*		
		Note: For cast in place or precast. Includes excavation, formwork, concrete, reinforcement, anchor rods and/or imbedded plate. Excludes anchor angle. For anchor angles and other terminal connections, use accessories section for respective guide rail type.		
34 71 13 26-0182	CY	Guide Rail Concrete Anchor Unit	885.29	
		For Each Additional Set Of Anchor Rods, Add	*38.00*	
34 71 13 26-0183	EA	Reset Existing Anchorage Unit for All Types of Guide Rail	595.27	
		Note: Includes excavation and backfill.		
34 71 13 26-0184	EA	Removal Of Guide Rail Concrete Anchor Unit	612.89	
34 71 13 26-0185		**Guide Rail Repair For All Types Of Existing Guide Rail** *(34 71 13 26-0180)*		
		Note: Includes associated hardware.		
34 71 13 26-0186	EA	Straighten And Reset Driven Post For Guide Rail	75.56	
34 71 13 26-0187	EA	Straighten And Reset Post Mounted On Concrete For Guide Rail	97.93	
		Note: With base plate for guide rail. Includes new anchor bolts.		
34 71 13 26-0188		**Additional Wood and Steel Posts** *(34 71 13 26-0180)*		
34 71 13 26-0189	LF	4" x 6" Wood Post	99.02	18.94
		For Installation In Rock, Add	*5.05*	
34 71 13 26-0190	LF	6" x 8" Wood Post	122.32	18.94
		For Installation In Rock, Add	*5.05*	
34 71 13 26-0191	LF	6" x 7/8" Galvanized Steel Post	69.25	18.94
		For Installation In Rock, Add	*5.05*	
34 71 13 26-0192	EA	Base Plate With Anchor Bolts For Mounting Post On Concrete	736.99	18.93
34 71 13 26-0193		**Accessories For All Types of Guide Rail** *(34 71 13 26-0180)*		
34 71 13 26-0194	EA	Reflector For Guard Rail	97.57	
34 71 13 26-0195		**Guide Rail Transitions** *(34 71 13 26)*		
34 71 13 26-0196		**Transition Box Beam Guide Rail To Corrugated Beam** *(34 71 13 26-0195)*		
34 71 13 26-0197	EA	Box Beam To Corrugated Beam Rail Bolted Section	1,278.81	
34 71 13 26-0198	EA	Box Beam To Corrugated Beam Rail Bolted Plate	657.41	
		Note: For making cable connections.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0199		**Transition Box Beam Median Barrier To Corrugated Beam Median** *(34 71 13 26-0195)*		
34 71 13 26-0200	EA	Box Beam Median Barrier To Corrugated Beam Bolted Section	1,309.88	
34 71 13 26-0201	EA	Box Beam Median Barrier To Corrugated Beam Harness Plate Note: For making cable connections.	657.41	
34 71 13 26-0202		**Transition Box Beam Guide Rail To Cable Guide Rail** *(34 71 13 26-0195)*		
34 71 13 26-0203	EA	Box Beam to Cable Guide Rail U-bolt And Plate	190.02	20.76
34 71 13 26-0204		**Transition Box Beam Median Barrier To Concrete Median Barrier** *(34 71 13 26-0195)*		
34 71 13 26-0205	EA	Box Beam Median Barrier To Concrete Barrier End Connection	1,900.21	
34 71 13 26-0206		**Transition Thrie Beam To Concrete Median Barrier** *(34 71 13 26-0195)*		
34 71 13 26-0207	EA	Thrie Beam Terminal Connector At Concrete Median Barrier	1,123.46	
34 71 13 26-0208	EA	Thrie Beam Transition Section To Corrugated Beam Guide Rail	1,511.83	
34 71 13 26-0209		**Resilient Guard Fence And Light Shield** *(34 71 13 26)*		
34 71 13 26-0210	LF	Resilient Guard Fence And Light Shield, Up To 6' High	98.46	7.98
34 71 13 26-0211		**Individual Concrete Guard Rail Posts** *(34 71 13 26)*		
34 71 13 26-0212	EA	6'-5" Concrete Guard Rail Posts, Round	98.04	7.98
34 71 13 26-0213	EA	6'-5" Concrete Posts, Square	109.68	8.98
34 71 13 26-0214	EA	6'-5" Concrete Posts, Triangular	106.82	8.98

34 71 16 Impact Attenuating Devices *(34 71)*

34 71 16 00-0001		**Guard Rail Energy Absorbing Terminals** *(34 71 16)* Note: Crushable foam cartridges surrounded by steel guardrail for narrow hazards. QuadGuard System as manufactured by Energy Absorption Systems, Inc.		
34 71 16 00-0002		**24" Wide Guard Rail Energy Absorbing Terminals** *(34 71 16 00-0001)*		
34 71 16 00-0003	EA	24" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	38,375.89	3,819.03
34 71 16 00-0004	EA	24" Wide, 5 Cartridge, Bays Energy Absorbing Crash Attenuator	53,319.08	5,092.04
34 71 16 00-0005	EA	24" Wide, 7 Cartridge, Bays Energy Absorbing Crash Attenuator	72,796.02	6,683.31
34 71 16 00-0006	EA	24" Wide, 9 Cartridge, Bays Energy Absorbing Crash Attenuator	80,825.31	8,274.57
34 71 16 00-0007		**30" Wide Guard Rail Energy Absorbing Terminals** *(34 71 16 00-0001)*		
34 71 16 00-0008	EA	30" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	41,304.13	4,296.41
34 71 16 00-0009	EA	30" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	57,563.83	5,728.55
34 71 16 00-0010	EA	30" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	79,026.85	7,638.06
34 71 16 00-0011	EA	30" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	90,454.32	9,229.33
34 71 16 00-0012		**36" Wide Guard Rail Energy Absorbing Terminals** *(34 71 16 00-0001)*		
34 71 16 00-0013	EA	36" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	44,266.70	4,773.79
34 71 16 00-0014	EA	36" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	61,842.10	6,365.05
34 71 16 00-0015	EA	36" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	84,588.65	8,433.70
34 71 16 00-0016	EA	36" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	100,047.98	10,184.09
34 71 16 00-0017		**69" Wide Guard Rail Energy Absorbing Terminals** *(34 71 16 00-0001)*		
34 71 16 00-0018	EA	69" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	47,926.28	5,251.18
34 71 16 00-0019	EA	69" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	66,392.06	7,001.56
34 71 16 00-0020	EA	69" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	91,235.63	9,229.33
34 71 16 00-0021	EA	69" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	107,398.22	11,138.85
34 71 16 00-0022		**90" Wide Guard Rail Energy Absorbing Terminals** *(34 71 16 00-0001)*		
34 71 16 00-0023	EA	90" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	51,687.02	5,728.55
34 71 16 00-0024	EA	90" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	71,060.88	7,638.06
34 71 16 00-0025	EA	90" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	98,757.12	10,184.09
34 71 16 00-0026	EA	90" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	114,957.08	12,093.61

34 71 19 Vehicle Delineators *(34 71)*

34 71 19 16 Flexible Vehicle Delineators *(34 71 19)*

34 71 19 16-0001	EA	2' High, 3" Diameter Flexible Fixed Stanchion Delineator	100.70	9.97
34 71 19 16-0002	EA	3' High, 3" Diameter Flexible Fixed Stanchion Delineator	102.09	9.97
34 71 19 16-0003	EA	3-1/2' High, 3" Diameter Flexible Fixed Stanchion Delineator	103.49	9.97
34 71 19 16-0004	EA	4' High, 3" Diameter Flexible Fixed Stanchion Delineator	104.88	9.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

35 Waterway and Marine Construction

35 05 Common Work Results for Waterway and Marine Construction *(35)*

35 05 70 Common Work Results for Dams *(35 05)*

35 05 70 00-0001 Rubber Dam Repair *(35 05 70)*

35 05 70 00-0002	EA	Class A Rubber Dam Repair (Bullet And Similar Holes)		41.95	
35 05 70 00-0003	SF	Class B Rubber Dam Repair (Minor Surface Rubber Damage)		83.57	
35 05 70 00-0004	SF	Class C Rubber Dam Repair (Major Surface Rubber Damage)		122.41	
35 05 70 00-0005	SF	Class D Rubber Dam Repair (Serious Surface Rubber Damage), Per Layer Of Material		136.70	

35 20 Waterway and Marine Construction and Equipment *(35)*

35 22 Hydraulic Gates *(35 20)*

35 22 26 Sluice Gates *(35 22)*

35 22 26 00-0001 Heavy-Duty Cast Iron Sluice Gates Self Contained *(35 22 26)*

Note: Includes crank operated geared gate lift, anchor bolts, and grouting.

35 22 26 00-0002	EA	18" x 18" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate		10,891.38	1,272.40
		For Electric Motor Operated Valve, Add		*1,104.49*	
35 22 26 00-0003	EA	24" x 24" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate		15,599.21	1,908.67
		For Electric Motor Operated Valve, Add		*1,231.73*	
35 22 26 00-0004	EA	30" x 30" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate		18,893.51	2,181.34
		For Electric Motor Operated Valve, Add		*1,286.27*	
35 22 26 00-0005	EA	36" x 36" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate		21,547.03	2,385.84
		For Electric Motor Operated Valve, Add		*1,327.17*	
35 22 26 00-0006	EA	42" x 42" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate		24,181.45	2,726.67
		For Electric Motor Operated Valve, Add		*1,395.34*	
35 22 26 00-0007	EA	48" x 48" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate		33,867.77	4,362.68
		For Electric Motor Operated Valve, Add		*1,722.54*	
35 22 26 00-0008	EA	54" x 54" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate		45,130.02	5,453.35
		For Electric Motor Operated Valve, Add		*1,940.67*	
35 22 26 00-0009	EA	60" x 60" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate		52,635.15	7,225.69
		For Electric Motor Operated Valve, Add		*2,295.14*	
35 22 26 00-0010	EA	66" x 66" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate		65,520.89	9,543.36
		For Electric Motor Operated Valve, Add		*2,758.67*	
35 22 26 00-0011	EA	72" x 72" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate		68,786.38	10,906.70
		For Electric Motor Operated Valve, Add		*3,031.34*	
35 22 26 00-0012	EA	78" x 78" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate		77,170.61	10,906.70
		For Electric Motor Operated Valve, Add		*3,431.34*	
35 22 26 00-0013	EA	84" x 84" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate		89,510.17	12,270.03
		For Electric Motor Operated Valve, Add		*3,704.01*	
35 22 26 00-0014	EA	90" x 90" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate		107,508.86	14,036.57
		For Electric Motor Operated Valve, Add		*4,057.31*	
35 22 26 00-0015	EA	96" x 96" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate		121,228.12	14,704.98
		For Electric Motor Operated Valve, Add		*4,191.00*	
35 22 26 00-0016	EA	108" x 108" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate		150,262.64	17,378.60
		For Electric Motor Operated Valve, Add		*4,725.72*	
35 22 26 00-0017	EA	120" x 120" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate		185,642.99	21,389.06
		For Electric Motor Operated Valve, Add		*5,527.81*	
35 22 26 00-0018	EA	132" x 132" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate		226,586.34	24,062.69
		For Electric Motor Operated Valve, Add		*6,062.54*	

35 22 59 Hydraulic Closure Gates *(35 22)*

35 22 59 00-0001 Steel Slide Gates Self Contained *(35 22 59)*

Note: Includes anchors and bolts.

35 22 59 00-0002	EA	12" x 12" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting		3,744.18	477.17
		For Electric Motor Operated Valve, Add		*945.43*	
35 22 59 00-0003	EA	18" x 18" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting		4,994.43	545.33
		For Electric Motor Operated Valve, Add		*959.07*	
35 22 59 00-0004	EA	24" x 24" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting		5,698.05	636.27
		For Electric Motor Operated Valve, Add		*977.25*	
35 22 59 00-0005	EA	30" x 30" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting		6,885.83	763.47
		For Electric Motor Operated Valve, Add		*1,002.69*	
35 22 59 00-0006	EA	36" x 36" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting		8,813.01	954.34
		For Electric Motor Operated Valve, Add		*1,040.87*	
35 22 59 00-0007	EA	42" x 42" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting		10,322.31	1,272.40
		For Electric Motor Operated Valve, Add		*1,104.49*	
35 22 59 00-0008	EA	48" x 48" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting		14,143.75	1,908.67
		For Electric Motor Operated Valve, Add		*1,231.73*	
35 22 59 00-0009	EA	54" x 54" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting		21,495.66	2,385.84
		For Electric Motor Operated Valve, Add		*1,327.17*	
35 22 59 00-0010	EA	60" x 60" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting		28,006.52	3,817.34
		For Electric Motor Operated Valve, Add		*1,613.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
35 22 59 00-0011	EA	72" x 72" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting	35,620.21	6,362.29
		For Electric Motor Operated Valve, Add	*2,122.45*	
35 22 59 00-0012	SF	Over 36 SF Steel Slide Gates Self Contained Including Anchor	987.95	175.87
		For Electric Motor Operated Valve, Add	*1,585.17*	

35 22 59 00-0013 Stainless Steel, Slide Gates, Frame Assembly Only *(35 22 59)*

35 22 59 00-0014	EA	24" x 24" Stainless Steel Slide Gate, Frame Assembly Only	19,604.52	623.05
35 22 59 00-0015	EA	30" x 30" Stainless Steel Slide Gate, Frame Assembly Only	24,239.42	778.47
35 22 59 00-0016	EA	36" x 36" Stainless Steel Slide Gate, Frame Assembly Only	30,915.26	948.88
35 22 59 00-0017	EA	48" x 48" Stainless Steel Slide Gate, Frame Assembly Only	47,168.13	1,817.33
35 22 59 00-0018	EA	60" x 60" Stainless Steel Slide Gate, Frame Assembly Only	69,425.73	3,965.95
35 22 59 00-0019	EA	72" x 72" Stainless Steel Slide Gate, Frame Assembly Only	91,166.50	6,058.67
35 22 59 00-0020	EA	84" x 84" Stainless Steel Slide Gate, Frame Assembly Only	137,811.20	7,574.70
35 22 59 00-0021	Day	Start Up And Training, Stainless Steel Slide Gate, Frame Assembly	3,679.35	

35 22 59 00-0022 Aluminum Flap Gates *(35 22 59)*

35 22 59 00-0023	EA	18" Diameter Aluminum Flap Gates	3,629.55	477.17
		For Electric Motor Operated Valve, Add	*945.43*	
35 22 59 00-0024	EA	20" Diameter Aluminum Flap Gates	4,039.79	511.25
		For Electric Motor Operated Valve, Add	*952.24*	
35 22 59 00-0025	EA	24" Diameter Aluminum Flap Gates	4,446.43	545.33
		For Electric Motor Operated Valve, Add	*959.07*	
35 22 59 00-0026	EA	30" Diameter Aluminum Flap Gates	6,028.94	636.27
		For Electric Motor Operated Valve, Add	*977.25*	
35 22 59 00-0027	EA	36" Diameter Aluminum Flap Gates	7,474.29	763.47
		For Electric Motor Operated Valve, Add	*1,002.69*	
35 22 59 00-0028	EA	42" Diameter Aluminum Flap Gates	10,580.51	954.34
		For Electric Motor Operated Valve, Add	*1,040.87*	
35 22 59 00-0029	EA	48" Diameter Aluminum Flap Gates	13,386.87	1,272.40
		For Electric Motor Operated Valve, Add	*1,104.49*	
35 22 59 00-0030	EA	54" Diameter Aluminum Flap Gates	17,317.37	1,908.67
		For Electric Motor Operated Valve, Add	*1,231.73*	
35 22 59 00-0031	EA	60" Diameter Aluminum Flap Gates	22,890.52	2,726.67
		For Electric Motor Operated Valve, Add	*1,395.34*	
35 22 59 00-0032	EA	66" Diameter Aluminum Flap Gates	29,599.23	3,817.34
		For Electric Motor Operated Valve, Add	*1,613.47*	
35 22 59 00-0033	EA	72" Diameter Aluminum Flap Gates	36,907.65	5,453.35
		For Electric Motor Operated Valve, Add	*1,940.67*	

35 22 59 00-0034 Stainless Steel Flap Gates *(35 22 59)*

35 22 59 00-0035	EA	12" x 12" Stainless Steel Flap Gate	7,911.40	409.01
		For Electric Motor Operated Valve, Add	*931.80*	
35 22 59 00-0036	EA	18" x 18" Stainless Steel Flap Gate	10,139.16	477.17
		For Electric Motor Operated Valve, Add	*945.43*	
35 22 59 00-0037	EA	24" x 24" Stainless Steel Flap Gate	13,073.73	545.33
		For Electric Motor Operated Valve, Add	*959.07*	
35 22 59 00-0038	EA	30" x 30" Stainless Steel Flap Gate	17,025.88	636.67
		For Electric Motor Operated Valve, Add	*977.25*	
35 22 59 00-0039	EA	36" x 36" Stainless Steel Flap Gate	25,283.92	763.47
		For Electric Motor Operated Valve, Add	*1,002.69*	
35 22 59 00-0040	EA	48" x 48" Stainless Steel Flap Gate	37,024.28	1,272.00
		For Electric Motor Operated Valve, Add	*1,104.49*	
35 22 59 00-0041	EA	60" x 60" Stainless Steel Flap Gate	56,664.09	2,726.67
		For Electric Motor Operated Valve, Add	*1,395.34*	
35 22 59 00-0042	EA	72" x 72" Stainless Steel Flap Gate	82,034.34	5,453.35
		For Electric Motor Operated Valve, Add	*1,940.67*	
35 22 59 00-0043	EA	84" x 84" Stainless Steel Flap Gate	117,705.00	10,906.70
		For Electric Motor Operated Valve, Add	*3,031.34*	

35 22 59 00-0044 Cast Iron Flap Gates *(35 22 59)*

35 22 59 00-0045	EA	12" x 12" Cast Iron Flap Gate	14,050.30	511.25
		For Electric Motor Operated Valve, Add	*952.25*	
35 22 59 00-0046	EA	18" x 18" Cast Iron Flap Gate	19,754.27	597.14
		For Electric Motor Operated Valve, Add	*969.29*	
35 22 59 00-0047	EA	24" x 24" Cast Iron Flap Gate	25,230.70	681.67
		For Electric Motor Operated Valve, Add	*986.33*	
35 22 59 00-0048	EA	30" x 30" Cast Iron Flap Gate	35,401.84	794.82
		For Electric Motor Operated Valve, Add	*1,009.06*	
35 22 59 00-0049	EA	36" x 36" Cast Iron Flap Gate	39,970.58	954.34
		For Electric Motor Operated Valve, Add	*1,040.87*	
35 22 59 00-0050	EA	48" x 48" Cast Iron Flap Gate	49,632.92	1,591.02
		For Electric Motor Operated Valve, Add	*1,168.11*	
35 22 59 00-0051	EA	60" x 60" Cast Iron Flap Gate	84,944.94	2,999.34
		For Electric Motor Operated Valve, Add	*1,449.87*	
35 22 59 00-0052	EA	72" x 72" Cast Iron Flap Gate	135,176.58	5,862.35
		For Electric Motor Operated Valve, Add	*2,022.47*	
35 22 59 00-0053	EA	84" x 84" Cast Iron Flap Gate	156,522.56	11,452.03
		For Electric Motor Operated Valve, Add	*3,140.41*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

35 22 59 00-0054 Steel Knife Gates Including Handwheel Operator *(35 22 59)*

Note: ANSI 150 PSI. for hub, flange, or spigot ends.

35 22 59 00-0055	EA	6" Diameter Knife Gates Including Handwheel Operator For Hub	1,907.28	170.91
		For Electric Motor Operated Valve, Add	*884.18*	
35 22 59 00-0056	EA	8" Diameter Knife Gates Including Handwheel Operator For Hub	2,561.60	199.36
		For Electric Motor Operated Valve, Add	*889.88*	
35 22 59 00-0057	EA	10" Diameter Knife Gates Including Handwheel Operator For Hub	3,601.42	299.10
		For Electric Motor Operated Valve, Add	*909.82*	
35 22 59 00-0058	EA	12" Diameter Knife Gates Including Handwheel Operator For Hub	4,501.15	398.84
		For Electric Motor Operated Valve, Add	*929.76*	
35 22 59 00-0059	EA	14" Diameter Knife Gates Including Handwheel Operator For Hub	5,509.76	427.28
		For Electric Motor Operated Valve, Add	*935.46*	
35 22 59 00-0060	EA	16" Diameter Knife Gates Including Handwheel Operator For Hub	7,124.47	460.12
		For Electric Motor Operated Valve, Add	*942.03*	
35 22 59 00-0061	EA	18" Diameter Knife Gates Including Handwheel Operator For Hub	9,460.05	478.55
		For Electric Motor Operated Valve, Add	*945.71*	
35 22 59 00-0062	EA	20" Diameter Knife Gates Including Handwheel Operator For Hub	11,823.41	543.87
		For Electric Motor Operated Valve, Add	*958.76*	
35 22 59 00-0063	EA	24" Diameter Knife Gates Including Handwheel Operator For Hub	15,149.62	598.20
		For Electric Motor Operated Valve, Add	*969.64*	
35 22 59 00-0064	EA	30" Diameter Knife Gates Including Handwheel Operator For Hub	27,548.93	797.54
		For Electric Motor Operated Valve, Add	*1,009.52*	
35 22 59 00-0065	EA	36" Diameter Knife Gates Including Handwheel Operator For Hub	36,664.08	1,196.38
		For Electric Motor Operated Valve, Add	*1,089.28*	

35 22 59 00-0066 Steel Hollow Jet Flow Gate Valve *(35 22 59)*

35 22 59 00-0067	EA	6" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	1,785.55	190.87
		For Electric Motor Operated Valve, Add	*888.17*	
35 22 59 00-0068	EA	8" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	2,756.15	222.91
		For Electric Motor Operated Valve, Add	*894.58*	
35 22 59 00-0069	EA	10" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	3,317.38	334.02
		For Electric Motor Operated Valve, Add	*916.80*	
35 22 59 00-0070	EA	12" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	4,231.56	445.13
		For Electric Motor Operated Valve, Add	*939.04*	
35 22 59 00-0071	EA	14" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	6,346.82	477.17
		For Electric Motor Operated Valve, Add	*945.43*	
35 22 59 00-0072	EA	16" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	7,648.10	513.97
		For Electric Motor Operated Valve, Add	*952.79*	
35 22 59 00-0073	EA	18" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	12,817.39	534.43
		For Electric Motor Operated Valve, Add	*956.89*	
35 22 59 00-0074	EA	20" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	16,112.74	607.37
		For Electric Motor Operated Valve, Add	*971.48*	
35 22 59 00-0075	EA	24" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	23,149.61	668.04
		For Electric Motor Operated Valve, Add	*983.62*	
35 22 59 00-0076	EA	30" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	28,366.05	890.94
		For Electric Motor Operated Valve, Add	*1,028.18*	
35 22 59 00-0077	EA	36" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	40,486.41	1,336.07
		For Electric Motor Operated Valve, Add	*1,117.17*	
35 22 59 00-0078	EA	42" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	48,256.71	1,636.00
		For Electric Motor Operated Valve, Add	*1,577.28*	
35 22 59 00-0079	EA	48" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	57,219.69	1,908.67
		For Electric Motor Operated Valve, Add	*1,631.73*	
35 22 59 00-0080	EA	54" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	75,340.89	2,385.84
		For Electric Motor Operated Valve, Add	*1,727.17*	
35 22 59 00-0081	EA	60" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	83,932.47	2,863.01
		For Electric Motor Operated Valve, Add	*1,822.83*	
35 22 59 00-0082	EA	66" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	107,143.63	3,953.68
		For Electric Motor Operated Valve, Add	*2,041.32*	

35 22 59 00-0083 Steel Dish Head Valve *(35 22 59)*

35 22 59 00-0084	EA	12" Diameter Dish Head Valve	2,292.28	477.17
35 22 59 00-0085	EA	18" Diameter Dish Head Valve	3,292.59	545.33
35 22 59 00-0086	EA	20" Diameter Dish Head Valve	3,788.60	596.46
35 22 59 00-0087	EA	24" Diameter Dish Head Valve	4,456.84	636.27
35 22 59 00-0088	EA	30" Diameter Dish Head Valve	6,666.40	763.47
35 22 59 00-0089	EA	36" Diameter Dish Head Valve	8,218.21	954.34
35 22 59 00-0090	EA	42" Diameter Dish Head Valve	13,742.10	1,272.40
35 22 59 00-0091	EA	48" Diameter Dish Head Valve	18,016.27	1,908.67
35 22 59 00-0092	EA	54" Diameter Dish Head Valve	25,561.57	2,385.84
35 22 59 00-0093	EA	60" Diameter Dish Head Valve	32,971.59	3,817.34
35 22 59 00-0094	EA	66" Diameter Dish Head Valve	45,583.76	4,771.69
35 22 59 00-0095	EA	72" Diameter Dish Head Valve	55,597.74	6,362.29

35 22 63 Through-Levee Access Gates *(35 22)*

35 22 63 00-0001 Cast Iron Canal Gates *(35 22 63)*

35 22 63 00-0002	EA	12" Diameter Cast Iron Canal Gates With Fabricated Frame	3,107.60	477.17
		For Electric Motor Operated Valve, Add	*945.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
35 22 63 00-0003	EA	18" Diameter Cast Iron Canal Gates With Fabricated Frame	4,634.41	545.33
		For Electric Motor Operated Valve, Add	*959.07*	
35 22 63 00-0004	EA	20" Diameter Cast Iron Canal Gates With Fabricated Frame	5,318.26	596.46
		For Electric Motor Operated Valve, Add	*969.29*	
35 22 63 00-0005	EA	24" Diameter Cast Iron Canal Gates With Fabricated Frame	6,397.37	636.27
		For Electric Motor Operated Valve, Add	*977.25*	
35 22 63 00-0006	EA	30" Diameter Cast Iron Canal Gates With Fabricated Frame	9,798.32	763.47
		For Electric Motor Operated Valve, Add	*1,002.69*	
35 22 63 00-0007	EA	36" Diameter Cast Iron Canal Gates With Fabricated Frame	12,063.16	954.34
		For Electric Motor Operated Valve, Add	*1,040.87*	
35 22 63 00-0008	EA	42" Diameter Cast Iron Canal Gates With Fabricated Frame	20,565.53	1,272.40
		For Electric Motor Operated Valve, Add	*1,104.49*	
35 22 63 00-0009	EA	48" Diameter Cast Iron Canal Gates With Fabricated Frame	26,668.91	1,908.67
		For Electric Motor Operated Valve, Add	*1,231.73*	
35 22 63 00-0010	EA	54" Diameter Cast Iron Canal Gates With Fabricated Frame	38,230.64	2,385.84
		For Electric Motor Operated Valve, Add	*1,327.17*	
35 22 63 00-0011	EA	60" Diameter Cast Iron Canal Gates With Fabricated Frame	48,411.55	3,817.34
		For Electric Motor Operated Valve, Add	*1,613.47*	
35 22 63 00-0012	EA	66" Diameter Cast Iron Canal Gates With Fabricated Frame	67,546.30	4,771.69
		For Electric Motor Operated Valve, Add	*1,804.34*	
35 22 63 00-0013	EA	72" Diameter Cast Iron Canal Gates With Fabricated Frame	79,906.36	5,453.35
		For Electric Motor Operated Valve, Add	*1,940.67*	

35 24 Dredging *(35 20)*

35 24 23 Clamshell Dredging *(35 24)*

35 24 23 00-0001 Dredging, Barge Mounted *(35 24 23)*

See CSI section 01 74 19 00-0041 for hauling material from shore or barge, 31 23 16 33-0019 for loading.

35 24 23 00-0002	EA	Dredge Excavation Mobilization And Demobilization	24,764.82	
		For Inlet Rivers And Canals, Deduct	*-6,191.21*	
35 24 23 00-0003	CY	Barge Mounted Clamshell Excavation Into Scows, Dumping Up To 10 Miles Note: Includes tugboat to move scows or barge.	27.52	
35 24 23 00-0004	CY	Barge Mounted Dragline Or Clamshell, Hopper Dumped, Pumped 1,000' To Shore Note: Includes tugboat to move barge.	24.76	
35 24 23 00-0005	CY	Hydraulic Dredge Excavation Into Scows, Dumping Up To 10 Miles Note: Includes tugboat to move scows or barge.	27.42	
35 24 23 00-0006	CY	Hydraulic Dredge Excavation, Pumped 1,000' To Shore Note: Includes tugboat to move barge.	22.99	

35 24 26 Backhoe/Dipper Dredging *(35 24)*

35 24 26 00-0001 Dredging, Shoreline Excavators *(35 24 26)*

35 24 26 00-0002	CY	Back Hoe, 1 CY Bucket, Dredging From Shore	16.17	
35 24 26 00-0003	CY	Hydraulic Excavator, 2 CY Bucket, Dredging From Shore	10.75	

END OF SECTION 35

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

40 Process Interconnections

40 05 Common Work Results For Process Interconnections *(40)*

40 05 19 Ductile Iron Process Pipe *(40 05)*

40 05 19 00-0001 Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Piping *(40 05 19)*

Note: C110 Fittings, 350 PSI rating for 2" - 24" sizes, 250 PSI rating for 30" - 48" sizes. Pipe barrels conform to ANSI/AWWA C151/A21.51. The bolt holes are aligned per ANSI/AWWA C115/A21.15. Flanged fittings conform to ANSI/AWWA C110/A21.10. Interiors shall be cement lined in accordance with ANSI/AWWA C104/A21.04. Exterior shall be bituminous coating, in accordance with ANSI/AWWA C104/A21.04. See CSI section 40 05 19 00-4103 for bolts, 40 05 19 00-4118 for gaskets.

40 05 19 00-0002 Flanged End (FxF), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0001)*

40 05 19 00-0003 4" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0004	EA	4" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		917.95	230.44
		For Class 52 Rating, Deduct		*-62.57*	
		For Class 54 Rating, Add		*89.51*	
		For Class 55 Rating, Add		*135.22*	
		For Class 56 Rating, Add		*180.37*	
40 05 19 00-0005	EA	4" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		984.90	234.47
		For Class 52 Rating, Deduct		*-69.26*	
		For Class 54 Rating, Add		*98.71*	
		For Class 55 Rating, Add		*148.94*	
		For Class 56 Rating, Add		*198.54*	
40 05 19 00-0006	EA	4" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,051.87	238.50
		For Class 52 Rating, Deduct		*-75.96*	
		For Class 54 Rating, Add		*107.91*	
		For Class 55 Rating, Add		*162.66*	
		For Class 56 Rating, Add		*216.71*	
40 05 19 00-0007	EA	4" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,118.83	242.52
		For Class 52 Rating, Deduct		*-82.65*	
		For Class 54 Rating, Add		*117.12*	
		For Class 55 Rating, Add		*176.37*	
		For Class 56 Rating, Add		*234.88*	
40 05 19 00-0008	EA	4" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,185.79	246.55
		For Class 52 Rating, Deduct		*-89.35*	
		For Class 54 Rating, Add		*126.32*	
		For Class 55 Rating, Add		*190.09*	
		For Class 56 Rating, Add		*253.06*	
40 05 19 00-0009	EA	4" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,252.76	250.58
		For Class 52 Rating, Deduct		*-96.04*	
		For Class 54 Rating, Add		*135.52*	
		For Class 55 Rating, Add		*203.81*	
		For Class 56 Rating, Add		*271.23*	
40 05 19 00-0010	EA	4" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,319.73	254.61
		For Class 52 Rating, Deduct		*-102.73*	
		For Class 54 Rating, Add		*144.72*	
		For Class 55 Rating, Add		*217.53*	
		For Class 56 Rating, Add		*289.40*	
40 05 19 00-0011	EA	4" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,386.68	258.63
		For Class 52 Rating, Deduct		*-109.43*	
		For Class 54 Rating, Add		*153.92*	
		For Class 55 Rating, Add		*231.25*	
		For Class 56 Rating, Add		*307.58*	
40 05 19 00-0012	EA	4" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,453.64	262.66
		For Class 52 Rating, Deduct		*-116.12*	
		For Class 54 Rating, Add		*163.12*	
		For Class 55 Rating, Add		*244.96*	
		For Class 56 Rating, Add		*325.75*	
40 05 19 00-0013	EA	4" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,520.61	266.70
		For Class 52 Rating, Deduct		*-122.82*	
		For Class 54 Rating, Add		*172.33*	
		For Class 55 Rating, Add		*258.68*	
		For Class 56 Rating, Add		*343.92*	
40 05 19 00-0014	EA	4" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,587.57	270.73
		For Class 52 Rating, Deduct		*-129.51*	
		For Class 54 Rating, Add		*181.53*	
		For Class 55 Rating, Add		*272.40*	
		For Class 56 Rating, Add		*362.09*	
40 05 19 00-0015	EA	4" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,654.53	274.76
		For Class 52 Rating, Deduct		*-136.21*	
		For Class 54 Rating, Add		*190.73*	
		For Class 55 Rating, Add		*286.12*	
		For Class 56 Rating, Add		*380.27*	
40 05 19 00-0016	EA	4" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,721.49	278.78
		For Class 52 Rating, Deduct		*-142.90*	
		For Class 54 Rating, Add		*199.93*	
		For Class 55 Rating, Add		*299.84*	
		For Class 56 Rating, Add		*398.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0017	EA	4" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,788.46	282.81
		For Class 52 Rating, Deduct	*-149.60*	
		For Class 54 Rating, Add	*209.14*	
		For Class 55 Rating, Add	*313.56*	
		For Class 56 Rating, Add	*416.61*	
40 05 19 00-0018	EA	4" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,855.43	286.84
		For Class 52 Rating, Deduct	*-156.29*	
		For Class 54 Rating, Add	*218.34*	
		For Class 55 Rating, Add	*327.27*	
		For Class 56 Rating, Add	*434.79*	
40 05 19 00-0019	EA	4" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,922.38	290.87
		For Class 52 Rating, Deduct	*-162.98*	
		For Class 54 Rating, Add	*227.54*	
		For Class 55 Rating, Add	*340.99*	
		For Class 56 Rating, Add	*452.96*	
40 05 19 00-0020	EA	4" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,989.34	294.89
		For Class 52 Rating, Deduct	*-169.68*	
		For Class 54 Rating, Add	*236.74*	
		For Class 55 Rating, Add	*354.71*	
		For Class 56 Rating, Add	*471.13*	
40 05 19 00-0021	EA	4" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,056.31	298.92
		For Class 52 Rating, Deduct	*-176.37*	
		For Class 54 Rating, Add	*245.94*	
		For Class 55 Rating, Add	*368.43*	
		For Class 56 Rating, Add	*489.31*	
40 05 19 00-0022	EA	4" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,123.27	302.96
		For Class 52 Rating, Deduct	*-183.07*	
		For Class 54 Rating, Add	*255.15*	
		For Class 55 Rating, Add	*382.14*	
		For Class 56 Rating, Add	*507.48*	
40 05 19 00-0023	EA	4" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,190.23	306.99
		For Class 52 Rating, Deduct	*-189.76*	
		For Class 54 Rating, Add	*264.35*	
		For Class 55 Rating, Add	*395.86*	
		For Class 56 Rating, Add	*525.65*	
40 05 19 00-0024	EA	4" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,257.20	311.01
		For Class 52 Rating, Deduct	*-196.46*	
		For Class 54 Rating, Add	*273.55*	
		For Class 55 Rating, Add	*409.58*	
		For Class 56 Rating, Add	*543.83*	
40 05 19 00-0025	EA	4" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,324.16	315.04
		For Class 52 Rating, Deduct	*-203.15*	
		For Class 54 Rating, Add	*282.75*	
		For Class 55 Rating, Add	*423.30*	
		For Class 56 Rating, Add	*562.00*	
40 05 19 00-0026	EA	4" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,391.13	319.07
		For Class 52 Rating, Deduct	*-209.85*	
		For Class 54 Rating, Add	*291.95*	
		For Class 55 Rating, Add	*437.02*	
		For Class 56 Rating, Add	*580.17*	
40 05 19 00-0027	EA	4" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,458.09	323.10
		For Class 52 Rating, Deduct	*-216.54*	
		For Class 54 Rating, Add	*301.16*	
		For Class 55 Rating, Add	*450.74*	
		For Class 56 Rating, Add	*598.35*	
40 05 19 00-0028	EA	4" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,525.04	327.12
		For Class 52 Rating, Deduct	*-223.23*	
		For Class 54 Rating, Add	*310.36*	
		For Class 55 Rating, Add	*464.45*	
		For Class 56 Rating, Add	*616.52*	
40 05 19 00-0029	EA	4" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,592.01	331.15
		For Class 52 Rating, Deduct	*-229.93*	
		For Class 54 Rating, Add	*319.56*	
		For Class 55 Rating, Add	*478.17*	
		For Class 56 Rating, Add	*634.69*	
40 05 19 00-0030	EA	4" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,658.98	335.18
		For Class 52 Rating, Deduct	*-236.62*	
		For Class 54 Rating, Add	*328.76*	
		For Class 55 Rating, Add	*491.89*	
		For Class 56 Rating, Add	*652.86*	
40 05 19 00-0031	EA	4" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,725.93	339.21
		For Class 52 Rating, Deduct	*-243.32*	
		For Class 54 Rating, Add	*337.96*	
		For Class 55 Rating, Add	*505.61*	
		For Class 56 Rating, Add	*671.04*	
40 05 19 00-0032	EA	4" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,792.90	343.24
		For Class 52 Rating, Deduct	*-250.01*	
		For Class 54 Rating, Add	*347.17*	
		For Class 55 Rating, Add	*519.32*	
		For Class 56 Rating, Add	*689.21*	
40 05 19 00-0033	EA	4" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,859.86	347.27
		For Class 52 Rating, Deduct	*-256.71*	
		For Class 54 Rating, Add	*356.37*	
		For Class 55 Rating, Add	*533.04*	
		For Class 56 Rating, Add	*707.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0034	EA	4" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,926.83	351.30
		For Class 52 Rating, Deduct	*-263.40*	
		For Class 54 Rating, Add	*365.57*	
		For Class 55 Rating, Add	*546.76*	
		For Class 56 Rating, Add	*725.56*	
40 05 19 00-0035	EA	4" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,993.79	355.33
		For Class 52 Rating, Deduct	*-270.10*	
		For Class 54 Rating, Add	*374.77*	
		For Class 55 Rating, Add	*560.48*	
		For Class 56 Rating, Add	*743.73*	
40 05 19 00-0036	EA	4" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,060.74	359.35
		For Class 52 Rating, Deduct	*-276.79*	
		For Class 54 Rating, Add	*383.97*	
		For Class 55 Rating, Add	*574.20*	
		For Class 56 Rating, Add	*761.90*	
40 05 19 00-0037	EA	4" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,127.71	363.38
		For Class 52 Rating, Deduct	*-283.48*	
		For Class 54 Rating, Add	*393.18*	
		For Class 55 Rating, Add	*587.91*	
		For Class 56 Rating, Add	*780.07*	
40 05 19 00-0038	EA	4" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,194.68	367.41
		For Class 52 Rating, Deduct	*-290.18*	
		For Class 54 Rating, Add	*402.38*	
		For Class 55 Rating, Add	*601.63*	
		For Class 56 Rating, Add	*798.25*	
40 05 19 00-0039	EA	4" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,261.63	371.44
		For Class 52 Rating, Deduct	*-296.87*	
		For Class 54 Rating, Add	*411.58*	
		For Class 55 Rating, Add	*615.35*	
		For Class 56 Rating, Add	*816.42*	
40 05 19 00-0040	EA	4" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,328.60	375.46
		For Class 52 Rating, Deduct	*-303.57*	
		For Class 54 Rating, Add	*420.78*	
		For Class 55 Rating, Add	*629.07*	
		For Class 56 Rating, Add	*834.59*	
40 05 19 00-0041	EA	4" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,395.57	379.50
		For Class 52 Rating, Deduct	*-310.26*	
		For Class 54 Rating, Add	*429.99*	
		For Class 55 Rating, Add	*642.79*	
		For Class 56 Rating, Add	*852.77*	
40 05 19 00-0042	EA	4" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,462.53	383.53
		For Class 52 Rating, Deduct	*-316.96*	
		For Class 54 Rating, Add	*439.19*	
		For Class 55 Rating, Add	*656.51*	
		For Class 56 Rating, Add	*870.94*	
40 05 19 00-0043		6" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*		
40 05 19 00-0044	EA	6" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,162.77	290.06
		For Class 52 Rating, Deduct	*-79.56*	
		For Class 54 Rating, Add	*113.77*	
		For Class 55 Rating, Add	*171.84*	
		For Class 56 Rating, Add	*229.19*	
40 05 19 00-0045	EA	6" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,243.78	294.09
		For Class 52 Rating, Deduct	*-87.80*	
		For Class 54 Rating, Add	*125.08*	
		For Class 55 Rating, Add	*188.69*	
		For Class 56 Rating, Add	*251.51*	
40 05 19 00-0046	EA	6" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,324.79	298.12
		For Class 52 Rating, Deduct	*-96.04*	
		For Class 54 Rating, Add	*136.38*	
		For Class 55 Rating, Add	*205.54*	
		For Class 56 Rating, Add	*273.82*	
40 05 19 00-0047	EA	6" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,405.79	302.15
		For Class 52 Rating, Deduct	*-104.28*	
		For Class 54 Rating, Add	*147.69*	
		For Class 55 Rating, Add	*222.39*	
		For Class 56 Rating, Add	*296.14*	
40 05 19 00-0048	EA	6" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,486.79	306.17
		For Class 52 Rating, Deduct	*-112.52*	
		For Class 54 Rating, Add	*159.00*	
		For Class 55 Rating, Add	*239.24*	
		For Class 56 Rating, Add	*318.45*	
40 05 19 00-0049	EA	6" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,567.81	310.20
		For Class 52 Rating, Deduct	*-120.76*	
		For Class 54 Rating, Add	*170.31*	
		For Class 55 Rating, Add	*256.09*	
		For Class 56 Rating, Add	*340.77*	
40 05 19 00-0050	EA	6" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,648.82	314.23
		For Class 52 Rating, Deduct	*-129.00*	
		For Class 54 Rating, Add	*181.62*	
		For Class 55 Rating, Add	*272.94*	
		For Class 56 Rating, Add	*363.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0051	EA	6" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,729.81	318.27
		For Class 52 Rating, Deduct	*-137.24*	
		For Class 54 Rating, Add	*192.93*	
		For Class 55 Rating, Add	*289.79*	
		For Class 56 Rating, Add	*385.40*	
40 05 19 00-0052	EA	6" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,810.83	322.29
		For Class 52 Rating, Deduct	*-145.48*	
		For Class 54 Rating, Add	*204.24*	
		For Class 55 Rating, Add	*306.64*	
		For Class 56 Rating, Add	*407.72*	
40 05 19 00-0053	EA	6" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,891.83	326.32
		For Class 52 Rating, Deduct	*-153.72*	
		For Class 54 Rating, Add	*215.54*	
		For Class 55 Rating, Add	*323.49*	
		For Class 56 Rating, Add	*430.04*	
40 05 19 00-0054	EA	6" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,972.84	330.35
		For Class 52 Rating, Deduct	*-161.95*	
		For Class 54 Rating, Add	*226.85*	
		For Class 55 Rating, Add	*340.34*	
		For Class 56 Rating, Add	*452.35*	
40 05 19 00-0055	EA	6" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,053.85	334.38
		For Class 52 Rating, Deduct	*-170.19*	
		For Class 54 Rating, Add	*238.16*	
		For Class 55 Rating, Add	*357.19*	
		For Class 56 Rating, Add	*474.67*	
40 05 19 00-0056	EA	6" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,134.85	338.40
		For Class 52 Rating, Deduct	*-178.43*	
		For Class 54 Rating, Add	*249.47*	
		For Class 55 Rating, Add	*374.04*	
		For Class 56 Rating, Add	*496.98*	
40 05 19 00-0057	EA	6" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,215.86	342.43
		For Class 52 Rating, Deduct	*-186.67*	
		For Class 54 Rating, Add	*260.78*	
		For Class 55 Rating, Add	*390.89*	
		For Class 56 Rating, Add	*519.30*	
40 05 19 00-0058	EA	6" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,296.87	346.46
		For Class 52 Rating, Deduct	*-194.91*	
		For Class 54 Rating, Add	*272.09*	
		For Class 55 Rating, Add	*407.74*	
		For Class 56 Rating, Add	*541.61*	
40 05 19 00-0059	EA	6" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,377.87	350.49
		For Class 52 Rating, Deduct	*-203.15*	
		For Class 54 Rating, Add	*283.40*	
		For Class 55 Rating, Add	*424.59*	
		For Class 56 Rating, Add	*563.93*	
40 05 19 00-0060	EA	6" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,458.88	354.51
		For Class 52 Rating, Deduct	*-211.39*	
		For Class 54 Rating, Add	*294.71*	
		For Class 55 Rating, Add	*441.44*	
		For Class 56 Rating, Add	*586.25*	
40 05 19 00-0061	EA	6" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,539.89	358.55
		For Class 52 Rating, Deduct	*-219.63*	
		For Class 54 Rating, Add	*306.01*	
		For Class 55 Rating, Add	*458.29*	
		For Class 56 Rating, Add	*608.56*	
40 05 19 00-0062	EA	6" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,620.90	362.58
		For Class 52 Rating, Deduct	*-227.87*	
		For Class 54 Rating, Add	*317.32*	
		For Class 55 Rating, Add	*475.14*	
		For Class 56 Rating, Add	*630.88*	
40 05 19 00-0063	EA	6" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,701.90	366.61
		For Class 52 Rating, Deduct	*-236.11*	
		For Class 54 Rating, Add	*328.63*	
		For Class 55 Rating, Add	*491.99*	
		For Class 56 Rating, Add	*653.20*	
40 05 19 00-0064	EA	6" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,782.91	370.63
		For Class 52 Rating, Deduct	*-244.35*	
		For Class 54 Rating, Add	*339.94*	
		For Class 55 Rating, Add	*508.84*	
		For Class 56 Rating, Add	*675.51*	
40 05 19 00-0065	EA	6" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,863.92	374.66
		For Class 52 Rating, Deduct	*-252.59*	
		For Class 54 Rating, Add	*351.25*	
		For Class 55 Rating, Add	*525.69*	
		For Class 56 Rating, Add	*697.83*	
40 05 19 00-0066	EA	6" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,944.93	378.69
		For Class 52 Rating, Deduct	*-260.83*	
		For Class 54 Rating, Add	*362.56*	
		For Class 55 Rating, Add	*542.54*	
		For Class 56 Rating, Add	*720.15*	
40 05 19 00-0067	EA	6" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,025.93	382.72
		For Class 52 Rating, Deduct	*-269.07*	
		For Class 54 Rating, Add	*373.87*	
		For Class 55 Rating, Add	*559.39*	
		For Class 56 Rating, Add	*742.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0068	EA	6" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,106.94	386.75
		For Class 52 Rating, Deduct	*-277.31*	
		For Class 54 Rating, Add	*385.18*	
		For Class 55 Rating, Add	*576.24*	
		For Class 56 Rating, Add	*764.78*	
40 05 19 00-0069	EA	6" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,187.95	390.77
		For Class 52 Rating, Deduct	*-285.54*	
		For Class 54 Rating, Add	*396.48*	
		For Class 55 Rating, Add	*593.09*	
		For Class 56 Rating, Add	*787.09*	
40 05 19 00-0070	EA	6" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,268.96	394.81
		For Class 52 Rating, Deduct	*-293.78*	
		For Class 54 Rating, Add	*407.79*	
		For Class 55 Rating, Add	*609.94*	
		For Class 56 Rating, Add	*809.41*	
40 05 19 00-0071	EA	6" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,349.95	398.84
		For Class 52 Rating, Deduct	*-302.02*	
		For Class 54 Rating, Add	*419.10*	
		For Class 55 Rating, Add	*626.79*	
		For Class 56 Rating, Add	*831.72*	
40 05 19 00-0072	EA	6" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,430.97	402.87
		For Class 52 Rating, Deduct	*-310.26*	
		For Class 54 Rating, Add	*430.41*	
		For Class 55 Rating, Add	*643.64*	
		For Class 56 Rating, Add	*854.04*	
40 05 19 00-0073	EA	6" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,511.97	406.89
		For Class 52 Rating, Deduct	*-318.50*	
		For Class 54 Rating, Add	*441.72*	
		For Class 55 Rating, Add	*660.49*	
		For Class 56 Rating, Add	*876.36*	
40 05 19 00-0074	EA	6" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,592.98	410.92
		For Class 52 Rating, Deduct	*-326.74*	
		For Class 54 Rating, Add	*453.03*	
		For Class 55 Rating, Add	*677.34*	
		For Class 56 Rating, Add	*898.67*	
40 05 19 00-0075	EA	6" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,673.99	414.95
		For Class 52 Rating, Deduct	*-334.98*	
		For Class 54 Rating, Add	*464.34*	
		For Class 55 Rating, Add	*694.19*	
		For Class 56 Rating, Add	*920.99*	
40 05 19 00-0076	EA	6" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,754.99	418.98
		For Class 52 Rating, Deduct	*-343.22*	
		For Class 54 Rating, Add	*475.64*	
		For Class 55 Rating, Add	*711.04*	
		For Class 56 Rating, Add	*943.31*	
40 05 19 00-0077	EA	6" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,836.00	423.00
		For Class 52 Rating, Deduct	*-351.46*	
		For Class 54 Rating, Add	*486.95*	
		For Class 55 Rating, Add	*727.88*	
		For Class 56 Rating, Add	*965.62*	
40 05 19 00-0078	EA	6" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,917.02	427.03
		For Class 52 Rating, Deduct	*-359.70*	
		For Class 54 Rating, Add	*498.26*	
		For Class 55 Rating, Add	*744.74*	
		For Class 56 Rating, Add	*987.94*	
40 05 19 00-0079	EA	6" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,998.01	431.07
		For Class 52 Rating, Deduct	*-367.94*	
		For Class 54 Rating, Add	*509.57*	
		For Class 55 Rating, Add	*761.59*	
		For Class 56 Rating, Add	*1,010.25*	
40 05 19 00-0080	EA	6" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,079.02	435.10
		For Class 52 Rating, Deduct	*-376.18*	
		For Class 54 Rating, Add	*520.88*	
		For Class 55 Rating, Add	*778.43*	
		For Class 56 Rating, Add	*1,032.57*	
40 05 19 00-0081	EA	6" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,160.04	439.12
		For Class 52 Rating, Deduct	*-384.42*	
		For Class 54 Rating, Add	*532.19*	
		For Class 55 Rating, Add	*795.29*	
		For Class 56 Rating, Add	*1,054.89*	
40 05 19 00-0082	EA	6" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,241.04	443.15
		For Class 52 Rating, Deduct	*-392.66*	
		For Class 54 Rating, Add	*543.50*	
		For Class 55 Rating, Add	*812.14*	
		For Class 56 Rating, Add	*1,077.20*	

40 05 19 00-0083 8" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0084	EA	8" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,626.60	370.63
		For Class 52 Rating, Deduct	*-117.15*	
		For Class 54 Rating, Add	*166.49*	
		For Class 55 Rating, Add	*250.98*	
		For Class 56 Rating, Add	*334.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0085	EA	8" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,735.69	374.66
		For Class 52 Rating, Deduct	*-128.48*	
		For Class 54 Rating, Add	*182.02*	
		For Class 55 Rating, Add	*274.09*	
		For Class 56 Rating, Add	*365.00*	
40 05 19 00-0086	EA	8" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,844.79	378.69
		For Class 52 Rating, Deduct	*-139.81*	
		For Class 54 Rating, Add	*197.54*	
		For Class 55 Rating, Add	*297.21*	
		For Class 56 Rating, Add	*395.60*	
40 05 19 00-0087	EA	8" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,953.88	382.72
		For Class 52 Rating, Deduct	*-151.14*	
		For Class 54 Rating, Add	*213.06*	
		For Class 55 Rating, Add	*320.32*	
		For Class 56 Rating, Add	*426.21*	
40 05 19 00-0088	EA	8" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,062.97	386.75
		For Class 52 Rating, Deduct	*-162.47*	
		For Class 54 Rating, Add	*228.58*	
		For Class 55 Rating, Add	*343.43*	
		For Class 56 Rating, Add	*456.81*	
40 05 19 00-0089	EA	8" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,172.08	390.77
		For Class 52 Rating, Deduct	*-173.80*	
		For Class 54 Rating, Add	*244.10*	
		For Class 55 Rating, Add	*366.55*	
		For Class 56 Rating, Add	*487.41*	
40 05 19 00-0090	EA	8" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,281.18	394.81
		For Class 52 Rating, Deduct	*-185.13*	
		For Class 54 Rating, Add	*259.63*	
		For Class 55 Rating, Add	*389.66*	
		For Class 56 Rating, Add	*518.01*	
40 05 19 00-0091	EA	8" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,390.26	398.84
		For Class 52 Rating, Deduct	*-196.46*	
		For Class 54 Rating, Add	*275.15*	
		For Class 55 Rating, Add	*412.77*	
		For Class 56 Rating, Add	*548.62*	
40 05 19 00-0092	EA	8" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,499.36	402.87
		For Class 52 Rating, Deduct	*-207.79*	
		For Class 54 Rating, Add	*290.67*	
		For Class 55 Rating, Add	*435.89*	
		For Class 56 Rating, Add	*579.22*	
40 05 19 00-0093	EA	8" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,608.45	406.89
		For Class 52 Rating, Deduct	*-219.11*	
		For Class 54 Rating, Add	*306.19*	
		For Class 55 Rating, Add	*459.00*	
		For Class 56 Rating, Add	*609.82*	
40 05 19 00-0094	EA	8" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,717.55	410.92
		For Class 52 Rating, Deduct	*-230.44*	
		For Class 54 Rating, Add	*321.71*	
		For Class 55 Rating, Add	*482.11*	
		For Class 56 Rating, Add	*640.42*	
40 05 19 00-0095	EA	8" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,826.65	414.95
		For Class 52 Rating, Deduct	*-241.77*	
		For Class 54 Rating, Add	*337.24*	
		For Class 55 Rating, Add	*505.23*	
		For Class 56 Rating, Add	*671.03*	
40 05 19 00-0096	EA	8" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,935.74	418.98
		For Class 52 Rating, Deduct	*-253.10*	
		For Class 54 Rating, Add	*352.76*	
		For Class 55 Rating, Add	*528.34*	
		For Class 56 Rating, Add	*701.63*	
40 05 19 00-0097	EA	8" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,044.84	423.00
		For Class 52 Rating, Deduct	*-264.43*	
		For Class 54 Rating, Add	*368.28*	
		For Class 55 Rating, Add	*551.46*	
		For Class 56 Rating, Add	*732.23*	
40 05 19 00-0098	EA	8" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,153.94	427.03
		For Class 52 Rating, Deduct	*-275.76*	
		For Class 54 Rating, Add	*383.80*	
		For Class 55 Rating, Add	*574.57*	
		For Class 56 Rating, Add	*762.83*	
40 05 19 00-0099	EA	8" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,263.02	431.07
		For Class 52 Rating, Deduct	*-287.09*	
		For Class 54 Rating, Add	*399.32*	
		For Class 55 Rating, Add	*597.68*	
		For Class 56 Rating, Add	*793.43*	
40 05 19 00-0100	EA	8" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,372.12	435.10
		For Class 52 Rating, Deduct	*-298.42*	
		For Class 54 Rating, Add	*414.84*	
		For Class 55 Rating, Add	*620.80*	
		For Class 56 Rating, Add	*824.03*	
40 05 19 00-0101	EA	8" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,481.23	439.12
		For Class 52 Rating, Deduct	*-309.75*	
		For Class 54 Rating, Add	*430.37*	
		For Class 55 Rating, Add	*643.91*	
		For Class 56 Rating, Add	*854.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0102	EA	8" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,590.32	443.15
		For Class 52 Rating, Deduct	*-321.08*	
		For Class 54 Rating, Add	*445.89*	
		For Class 55 Rating, Add	*667.02*	
		For Class 56 Rating, Add	*885.24*	
40 05 19 00-0103	EA	8" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,699.41	447.18
		For Class 52 Rating, Deduct	*-332.41*	
		For Class 54 Rating, Add	*461.41*	
		For Class 55 Rating, Add	*690.14*	
		For Class 56 Rating, Add	*915.84*	
40 05 19 00-0104	EA	8" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,808.51	451.21
		For Class 52 Rating, Deduct	*-343.73*	
		For Class 54 Rating, Add	*476.93*	
		For Class 55 Rating, Add	*713.25*	
		For Class 56 Rating, Add	*946.45*	
40 05 19 00-0105	EA	8" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,917.60	455.23
		For Class 52 Rating, Deduct	*-355.06*	
		For Class 54 Rating, Add	*492.45*	
		For Class 55 Rating, Add	*736.36*	
		For Class 56 Rating, Add	*977.05*	
40 05 19 00-0106	EA	8" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,026.70	459.26
		For Class 52 Rating, Deduct	*-366.39*	
		For Class 54 Rating, Add	*507.98*	
		For Class 55 Rating, Add	*759.48*	
		For Class 56 Rating, Add	*1,007.65*	
40 05 19 00-0107	EA	8" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,135.80	463.29
		For Class 52 Rating, Deduct	*-377.72*	
		For Class 54 Rating, Add	*523.50*	
		For Class 55 Rating, Add	*782.59*	
		For Class 56 Rating, Add	*1,038.25*	
40 05 19 00-0108	EA	8" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,244.89	467.32
		For Class 52 Rating, Deduct	*-389.05*	
		For Class 54 Rating, Add	*539.02*	
		For Class 55 Rating, Add	*805.71*	
		For Class 56 Rating, Add	*1,068.86*	
40 05 19 00-0109	EA	8" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,353.99	471.35
		For Class 52 Rating, Deduct	*-400.38*	
		For Class 54 Rating, Add	*554.54*	
		For Class 55 Rating, Add	*828.82*	
		For Class 56 Rating, Add	*1,099.46*	
40 05 19 00-0110	EA	8" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,463.08	475.38
		For Class 52 Rating, Deduct	*-411.71*	
		For Class 54 Rating, Add	*570.06*	
		For Class 55 Rating, Add	*851.93*	
		For Class 56 Rating, Add	*1,130.06*	
40 05 19 00-0111	EA	8" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,572.17	479.41
		For Class 52 Rating, Deduct	*-423.04*	
		For Class 54 Rating, Add	*585.59*	
		For Class 55 Rating, Add	*875.05*	
		For Class 56 Rating, Add	*1,160.66*	
40 05 19 00-0112	EA	8" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,681.27	483.44
		For Class 52 Rating, Deduct	*-434.37*	
		For Class 54 Rating, Add	*601.11*	
		For Class 55 Rating, Add	*898.16*	
		For Class 56 Rating, Add	*1,191.26*	
40 05 19 00-0113	EA	8" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,790.37	487.46
		For Class 52 Rating, Deduct	*-445.70*	
		For Class 54 Rating, Add	*616.63*	
		For Class 55 Rating, Add	*921.28*	
		For Class 56 Rating, Add	*1,221.87*	
40 05 19 00-0114	EA	8" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,899.47	491.49
		For Class 52 Rating, Deduct	*-457.03*	
		For Class 54 Rating, Add	*632.15*	
		For Class 55 Rating, Add	*944.39*	
		For Class 56 Rating, Add	*1,252.47*	
40 05 19 00-0115	EA	8" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,008.56	495.52
		For Class 52 Rating, Deduct	*-468.35*	
		For Class 54 Rating, Add	*647.67*	
		For Class 55 Rating, Add	*967.50*	
		For Class 56 Rating, Add	*1,283.07*	
40 05 19 00-0116	EA	8" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,117.65	499.55
		For Class 52 Rating, Deduct	*-479.68*	
		For Class 54 Rating, Add	*663.20*	
		For Class 55 Rating, Add	*990.61*	
		For Class 56 Rating, Add	*1,313.67*	
40 05 19 00-0117	EA	8" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,226.75	503.57
		For Class 52 Rating, Deduct	*-491.01*	
		For Class 54 Rating, Add	*678.72*	
		For Class 55 Rating, Add	*1,013.73*	
		For Class 56 Rating, Add	*1,344.27*	
40 05 19 00-0118	EA	8" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,335.85	507.61
		For Class 52 Rating, Deduct	*-502.34*	
		For Class 54 Rating, Add	*694.24*	
		For Class 55 Rating, Add	*1,036.84*	
		For Class 56 Rating, Add	*1,374.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0119	EA	8" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,444.94	511.64
		For Class 52 Rating, Deduct	*-513.67*	
		For Class 54 Rating, Add	*709.76*	
		For Class 55 Rating, Add	*1,059.96*	
		For Class 56 Rating, Add	*1,405.48*	
40 05 19 00-0120	EA	8" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,554.04	515.67
		For Class 52 Rating, Deduct	*-525.00*	
		For Class 54 Rating, Add	*725.29*	
		For Class 55 Rating, Add	*1,083.07*	
		For Class 56 Rating, Add	*1,436.08*	
40 05 19 00-0121	EA	8" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,663.14	519.69
		For Class 52 Rating, Deduct	*-536.33*	
		For Class 54 Rating, Add	*740.81*	
		For Class 55 Rating, Add	*1,106.18*	
		For Class 56 Rating, Add	*1,466.68*	
40 05 19 00-0122	EA	8" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,772.23	523.72
		For Class 52 Rating, Deduct	*-547.66*	
		For Class 54 Rating, Add	*756.33*	
		For Class 55 Rating, Add	*1,129.30*	
		For Class 56 Rating, Add	*1,497.29*	

40 05 19 00-0123 10" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0124	EA	10" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,050.63	451.21
		For Class 52 Rating, Deduct	*-150.37*	
		For Class 54 Rating, Add	*213.25*	
		For Class 55 Rating, Add	*321.24*	
		For Class 56 Rating, Add	*427.87*	
40 05 19 00-0125	EA	10" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,192.49	455.23
		For Class 52 Rating, Deduct	*-165.30*	
		For Class 54 Rating, Add	*233.69*	
		For Class 55 Rating, Add	*351.67*	
		For Class 56 Rating, Add	*468.14*	
40 05 19 00-0126	EA	10" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,334.36	459.26
		For Class 52 Rating, Deduct	*-180.24*	
		For Class 54 Rating, Add	*254.13*	
		For Class 55 Rating, Add	*382.09*	
		For Class 56 Rating, Add	*508.41*	
40 05 19 00-0127	EA	10" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,476.23	463.29
		For Class 52 Rating, Deduct	*-195.17*	
		For Class 54 Rating, Add	*274.56*	
		For Class 55 Rating, Add	*412.51*	
		For Class 56 Rating, Add	*548.68*	
40 05 19 00-0128	EA	10" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,618.09	467.32
		For Class 52 Rating, Deduct	*-210.10*	
		For Class 54 Rating, Add	*295.00*	
		For Class 55 Rating, Add	*442.93*	
		For Class 56 Rating, Add	*588.95*	
40 05 19 00-0129	EA	10" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,759.96	471.35
		For Class 52 Rating, Deduct	*-225.04*	
		For Class 54 Rating, Add	*315.44*	
		For Class 55 Rating, Add	*473.35*	
		For Class 56 Rating, Add	*629.22*	
40 05 19 00-0130	EA	10" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,901.82	475.38
		For Class 52 Rating, Deduct	*-239.97*	
		For Class 54 Rating, Add	*335.88*	
		For Class 55 Rating, Add	*503.77*	
		For Class 56 Rating, Add	*669.49*	
40 05 19 00-0131	EA	10" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,043.68	479.41
		For Class 52 Rating, Deduct	*-254.90*	
		For Class 54 Rating, Add	*356.31*	
		For Class 55 Rating, Add	*534.19*	
		For Class 56 Rating, Add	*709.76*	
40 05 19 00-0132	EA	10" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,185.55	483.44
		For Class 52 Rating, Deduct	*-269.84*	
		For Class 54 Rating, Add	*376.75*	
		For Class 55 Rating, Add	*564.61*	
		For Class 56 Rating, Add	*750.02*	
40 05 19 00-0133	EA	10" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,327.42	487.46
		For Class 52 Rating, Deduct	*-284.77*	
		For Class 54 Rating, Add	*397.19*	
		For Class 55 Rating, Add	*595.04*	
		For Class 56 Rating, Add	*790.30*	
40 05 19 00-0134	EA	10" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,469.29	491.49
		For Class 52 Rating, Deduct	*-299.71*	
		For Class 54 Rating, Add	*417.63*	
		For Class 55 Rating, Add	*625.46*	
		For Class 56 Rating, Add	*830.57*	
40 05 19 00-0135	EA	10" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,611.15	495.52
		For Class 52 Rating, Deduct	*-314.64*	
		For Class 54 Rating, Add	*438.06*	
		For Class 55 Rating, Add	*655.88*	
		For Class 56 Rating, Add	*870.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0136	EA	10" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,753.01	499.55
		For Class 52 Rating, Deduct	*-329.57*	
		For Class 54 Rating, Add	*458.50*	
		For Class 55 Rating, Add	*686.30*	
		For Class 56 Rating, Add	*911.10*	
40 05 19 00-0137	EA	10" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,894.88	503.57
		For Class 52 Rating, Deduct	*-344.51*	
		For Class 54 Rating, Add	*478.94*	
		For Class 55 Rating, Add	*716.72*	
		For Class 56 Rating, Add	*951.37*	
40 05 19 00-0138	EA	10" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,036.76	507.61
		For Class 52 Rating, Deduct	*-359.44*	
		For Class 54 Rating, Add	*499.38*	
		For Class 55 Rating, Add	*747.14*	
		For Class 56 Rating, Add	*991.64*	
40 05 19 00-0139	EA	10" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,178.61	511.64
		For Class 52 Rating, Deduct	*-374.38*	
		For Class 54 Rating, Add	*519.81*	
		For Class 55 Rating, Add	*777.57*	
		For Class 56 Rating, Add	*1,031.91*	
40 05 19 00-0140	EA	10" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,320.48	515.67
		For Class 52 Rating, Deduct	*-389.31*	
		For Class 54 Rating, Add	*540.25*	
		For Class 55 Rating, Add	*807.99*	
		For Class 56 Rating, Add	*1,072.18*	
40 05 19 00-0141	EA	10" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,462.35	519.69
		For Class 52 Rating, Deduct	*-404.24*	
		For Class 54 Rating, Add	*560.69*	
		For Class 55 Rating, Add	*838.41*	
		For Class 56 Rating, Add	*1,112.45*	
40 05 19 00-0142	EA	10" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,604.21	523.72
		For Class 52 Rating, Deduct	*-419.18*	
		For Class 54 Rating, Add	*581.13*	
		For Class 55 Rating, Add	*868.83*	
		For Class 56 Rating, Add	*1,152.72*	
40 05 19 00-0143	EA	10" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,746.07	527.75
		For Class 52 Rating, Deduct	*-434.11*	
		For Class 54 Rating, Add	*601.56*	
		For Class 55 Rating, Add	*899.25*	
		For Class 56 Rating, Add	*1,192.99*	
40 05 19 00-0144	EA	10" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,887.95	531.78
		For Class 52 Rating, Deduct	*-449.04*	
		For Class 54 Rating, Add	*622.00*	
		For Class 55 Rating, Add	*929.67*	
		For Class 56 Rating, Add	*1,233.26*	
40 05 19 00-0145	EA	10" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,029.81	535.80
		For Class 52 Rating, Deduct	*-463.98*	
		For Class 54 Rating, Add	*642.44*	
		For Class 55 Rating, Add	*960.09*	
		For Class 56 Rating, Add	*1,273.53*	
40 05 19 00-0146	EA	10" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,171.68	539.83
		For Class 52 Rating, Deduct	*-478.91*	
		For Class 54 Rating, Add	*662.88*	
		For Class 55 Rating, Add	*990.51*	
		For Class 56 Rating, Add	*1,313.80*	
40 05 19 00-0147	EA	10" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,313.54	543.87
		For Class 52 Rating, Deduct	*-493.85*	
		For Class 54 Rating, Add	*683.31*	
		For Class 55 Rating, Add	*1,020.94*	
		For Class 56 Rating, Add	*1,354.07*	
40 05 19 00-0148	EA	10" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,455.40	547.90
		For Class 52 Rating, Deduct	*-508.78*	
		For Class 54 Rating, Add	*703.75*	
		For Class 55 Rating, Add	*1,051.36*	
		For Class 56 Rating, Add	*1,394.34*	
40 05 19 00-0149	EA	10" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,597.27	551.92
		For Class 52 Rating, Deduct	*-523.71*	
		For Class 54 Rating, Add	*724.19*	
		For Class 55 Rating, Add	*1,081.78*	
		For Class 56 Rating, Add	*1,434.61*	
40 05 19 00-0150	EA	10" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,739.14	555.95
		For Class 52 Rating, Deduct	*-538.65*	
		For Class 54 Rating, Add	*744.63*	
		For Class 55 Rating, Add	*1,112.20*	
		For Class 56 Rating, Add	*1,474.88*	
40 05 19 00-0151	EA	10" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,881.00	559.98
		For Class 52 Rating, Deduct	*-553.58*	
		For Class 54 Rating, Add	*765.06*	
		For Class 55 Rating, Add	*1,142.62*	
		For Class 56 Rating, Add	*1,515.15*	
40 05 19 00-0152	EA	10" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,022.87	564.01
		For Class 52 Rating, Deduct	*-568.51*	
		For Class 54 Rating, Add	*785.50*	
		For Class 55 Rating, Add	*1,173.04*	
		For Class 56 Rating, Add	*1,555.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0153	EA	10" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,164.73	568.03
		For Class 52 Rating, Deduct	*-583.45*	
		For Class 54 Rating, Add	*805.94*	
		For Class 55 Rating, Add	*1,203.46*	
		For Class 56 Rating, Add	*1,595.68*	
40 05 19 00-0154	EA	10" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,306.60	572.06
		For Class 52 Rating, Deduct	*-598.38*	
		For Class 54 Rating, Add	*826.38*	
		For Class 55 Rating, Add	*1,233.88*	
		For Class 56 Rating, Add	*1,635.95*	
40 05 19 00-0155	EA	10" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,446.12	576.09
		For Class 52 Rating, Deduct	*-613.06*	
		For Class 54 Rating, Add	*846.46*	
		For Class 55 Rating, Add	*1,263.78*	
		For Class 56 Rating, Add	*1,675.53*	
40 05 19 00-0156	EA	10" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,590.33	580.13
		For Class 52 Rating, Deduct	*-628.25*	
		For Class 54 Rating, Add	*867.25*	
		For Class 55 Rating, Add	*1,294.73*	
		For Class 56 Rating, Add	*1,716.49*	
40 05 19 00-0157	EA	10" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,732.20	584.16
		For Class 52 Rating, Deduct	*-643.18*	
		For Class 54 Rating, Add	*887.69*	
		For Class 55 Rating, Add	*1,325.15*	
		For Class 56 Rating, Add	*1,756.76*	
40 05 19 00-0158	EA	10" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,874.07	588.18
		For Class 52 Rating, Deduct	*-658.12*	
		For Class 54 Rating, Add	*908.13*	
		For Class 55 Rating, Add	*1,355.57*	
		For Class 56 Rating, Add	*1,797.03*	
40 05 19 00-0159	EA	10" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,015.92	592.21
		For Class 52 Rating, Deduct	*-673.05*	
		For Class 54 Rating, Add	*928.56*	
		For Class 55 Rating, Add	*1,385.99*	
		For Class 56 Rating, Add	*1,837.30*	
40 05 19 00-0160	EA	10" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,157.79	596.24
		For Class 52 Rating, Deduct	*-687.98*	
		For Class 54 Rating, Add	*949.00*	
		For Class 55 Rating, Add	*1,416.41*	
		For Class 56 Rating, Add	*1,877.57*	
40 05 19 00-0161	EA	10" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,299.67	600.27
		For Class 52 Rating, Deduct	*-702.92*	
		For Class 54 Rating, Add	*969.44*	
		For Class 55 Rating, Add	*1,446.84*	
		For Class 56 Rating, Add	*1,917.84*	
40 05 19 00-0162	EA	10" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,441.53	604.29
		For Class 52 Rating, Deduct	*-717.85*	
		For Class 54 Rating, Add	*989.88*	
		For Class 55 Rating, Add	*1,477.26*	
		For Class 56 Rating, Add	*1,958.11*	

40 05 19 00-0163 12" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0164	EA	12" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,685.00	564.01
		For Class 52 Rating, Deduct	*-201.35*	
		For Class 54 Rating, Add	*284.82*	
		For Class 55 Rating, Add	*428.70*	
		For Class 56 Rating, Add	*570.74*	
40 05 19 00-0165	EA	12" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,861.98	568.03
		For Class 52 Rating, Deduct	*-220.15*	
		For Class 54 Rating, Add	*310.53*	
		For Class 55 Rating, Add	*466.95*	
		For Class 56 Rating, Add	*621.37*	
40 05 19 00-0166	EA	12" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,038.96	572.06
		For Class 52 Rating, Deduct	*-238.94*	
		For Class 54 Rating, Add	*336.23*	
		For Class 55 Rating, Add	*505.20*	
		For Class 56 Rating, Add	*672.00*	
40 05 19 00-0167	EA	12" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,215.93	576.09
		For Class 52 Rating, Deduct	*-257.74*	
		For Class 54 Rating, Add	*361.93*	
		For Class 55 Rating, Add	*543.45*	
		For Class 56 Rating, Add	*722.63*	
40 05 19 00-0168	EA	12" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,392.90	580.13
		For Class 52 Rating, Deduct	*-276.53*	
		For Class 54 Rating, Add	*387.64*	
		For Class 55 Rating, Add	*581.70*	
		For Class 56 Rating, Add	*773.25*	
40 05 19 00-0169	EA	12" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,569.89	584.16
		For Class 52 Rating, Deduct	*-295.33*	
		For Class 54 Rating, Add	*413.34*	
		For Class 55 Rating, Add	*619.95*	
		For Class 56 Rating, Add	*823.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0170	EA	12" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,746.87	588.18
		For Class 52 Rating, Deduct	*-314.12*	
		For Class 54 Rating, Add	*439.05*	
		For Class 55 Rating, Add	*658.21*	
		For Class 56 Rating, Add	*874.51*	
40 05 19 00-0171	EA	12" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,923.83	592.21
		For Class 52 Rating, Deduct	*-332.92*	
		For Class 54 Rating, Add	*464.75*	
		For Class 55 Rating, Add	*696.46*	
		For Class 56 Rating, Add	*925.13*	
40 05 19 00-0172	EA	12" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,100.81	596.24
		For Class 52 Rating, Deduct	*-351.72*	
		For Class 54 Rating, Add	*490.45*	
		For Class 55 Rating, Add	*734.71*	
		For Class 56 Rating, Add	*975.76*	
40 05 19 00-0173	EA	12" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,277.80	600.27
		For Class 52 Rating, Deduct	*-370.51*	
		For Class 54 Rating, Add	*516.16*	
		For Class 55 Rating, Add	*772.96*	
		For Class 56 Rating, Add	*1,026.39*	
40 05 19 00-0174	EA	12" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,454.77	604.29
		For Class 52 Rating, Deduct	*-389.31*	
		For Class 54 Rating, Add	*541.86*	
		For Class 55 Rating, Add	*811.21*	
		For Class 56 Rating, Add	*1,077.02*	
40 05 19 00-0175	EA	12" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,631.74	608.32
		For Class 52 Rating, Deduct	*-408.10*	
		For Class 54 Rating, Add	*567.57*	
		For Class 55 Rating, Add	*849.46*	
		For Class 56 Rating, Add	*1,127.64*	
40 05 19 00-0176	EA	12" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,808.72	612.35
		For Class 52 Rating, Deduct	*-426.90*	
		For Class 54 Rating, Add	*593.27*	
		For Class 55 Rating, Add	*887.71*	
		For Class 56 Rating, Add	*1,178.27*	
40 05 19 00-0177	EA	12" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,985.70	616.38
		For Class 52 Rating, Deduct	*-445.70*	
		For Class 54 Rating, Add	*618.98*	
		For Class 55 Rating, Add	*925.96*	
		For Class 56 Rating, Add	*1,228.90*	
40 05 19 00-0178	EA	12" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,162.68	620.41
		For Class 52 Rating, Deduct	*-464.49*	
		For Class 54 Rating, Add	*644.68*	
		For Class 55 Rating, Add	*964.21*	
		For Class 56 Rating, Add	*1,279.53*	
40 05 19 00-0179	EA	12" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,339.64	624.44
		For Class 52 Rating, Deduct	*-483.29*	
		For Class 54 Rating, Add	*670.38*	
		For Class 55 Rating, Add	*1,002.46*	
		For Class 56 Rating, Add	*1,330.15*	
40 05 19 00-0180	EA	12" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,516.62	628.47
		For Class 52 Rating, Deduct	*-502.08*	
		For Class 54 Rating, Add	*696.09*	
		For Class 55 Rating, Add	*1,040.71*	
		For Class 56 Rating, Add	*1,380.78*	
40 05 19 00-0181	EA	12" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,693.61	632.50
		For Class 52 Rating, Deduct	*-520.88*	
		For Class 54 Rating, Add	*721.79*	
		For Class 55 Rating, Add	*1,078.97*	
		For Class 56 Rating, Add	*1,431.41*	
40 05 19 00-0182	EA	12" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,870.58	636.52
		For Class 52 Rating, Deduct	*-539.68*	
		For Class 54 Rating, Add	*747.50*	
		For Class 55 Rating, Add	*1,117.22*	
		For Class 56 Rating, Add	*1,482.03*	
40 05 19 00-0183	EA	12" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,047.55	640.55
		For Class 52 Rating, Deduct	*-558.47*	
		For Class 54 Rating, Add	*773.20*	
		For Class 55 Rating, Add	*1,155.47*	
		For Class 56 Rating, Add	*1,532.66*	
40 05 19 00-0184	EA	12" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,224.53	644.58
		For Class 52 Rating, Deduct	*-577.27*	
		For Class 54 Rating, Add	*798.90*	
		For Class 55 Rating, Add	*1,193.72*	
		For Class 56 Rating, Add	*1,583.29*	
40 05 19 00-0185	EA	12" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,401.51	648.61
		For Class 52 Rating, Deduct	*-596.06*	
		For Class 54 Rating, Add	*824.61*	
		For Class 55 Rating, Add	*1,231.97*	
		For Class 56 Rating, Add	*1,633.92*	
40 05 19 00-0186	EA	12" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,578.49	652.63
		For Class 52 Rating, Deduct	*-614.86*	
		For Class 54 Rating, Add	*850.31*	
		For Class 55 Rating, Add	*1,270.22*	
		For Class 56 Rating, Add	*1,684.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0187	EA	12" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,755.46	656.67
		For Class 52 Rating, Deduct	*-633.66*	
		For Class 54 Rating, Add	*876.02*	
		For Class 55 Rating, Add	*1,308.47*	
		For Class 56 Rating, Add	*1,735.17*	
40 05 19 00-0188	EA	12" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,932.43	660.70
		For Class 52 Rating, Deduct	*-652.45*	
		For Class 54 Rating, Add	*901.72*	
		For Class 55 Rating, Add	*1,346.72*	
		For Class 56 Rating, Add	*1,785.79*	
40 05 19 00-0189	EA	12" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,109.42	664.73
		For Class 52 Rating, Deduct	*-671.25*	
		For Class 54 Rating, Add	*927.42*	
		For Class 55 Rating, Add	*1,384.98*	
		For Class 56 Rating, Add	*1,836.42*	
40 05 19 00-0190	EA	12" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,286.40	668.75
		For Class 52 Rating, Deduct	*-690.04*	
		For Class 54 Rating, Add	*953.13*	
		For Class 55 Rating, Add	*1,423.23*	
		For Class 56 Rating, Add	*1,887.05*	
40 05 19 00-0191	EA	12" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,463.36	672.78
		For Class 52 Rating, Deduct	*-708.84*	
		For Class 54 Rating, Add	*978.83*	
		For Class 55 Rating, Add	*1,461.48*	
		For Class 56 Rating, Add	*1,937.68*	
40 05 19 00-0192	EA	12" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,640.34	676.81
		For Class 52 Rating, Deduct	*-727.64*	
		For Class 54 Rating, Add	*1,004.54*	
		For Class 55 Rating, Add	*1,499.73*	
		For Class 56 Rating, Add	*1,988.30*	
40 05 19 00-0193	EA	12" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,817.33	680.84
		For Class 52 Rating, Deduct	*-746.43*	
		For Class 54 Rating, Add	*1,030.24*	
		For Class 55 Rating, Add	*1,537.98*	
		For Class 56 Rating, Add	*2,038.93*	
40 05 19 00-0194	EA	12" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,994.30	684.86
		For Class 52 Rating, Deduct	*-765.23*	
		For Class 54 Rating, Add	*1,055.95*	
		For Class 55 Rating, Add	*1,576.23*	
		For Class 56 Rating, Add	*2,089.56*	
40 05 19 00-0195	EA	12" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,171.27	688.89
		For Class 52 Rating, Deduct	*-784.02*	
		For Class 54 Rating, Add	*1,081.65*	
		For Class 55 Rating, Add	*1,614.48*	
		For Class 56 Rating, Add	*2,140.19*	
40 05 19 00-0196	EA	12" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,348.24	692.93
		For Class 52 Rating, Deduct	*-802.82*	
		For Class 54 Rating, Add	*1,107.35*	
		For Class 55 Rating, Add	*1,652.73*	
		For Class 56 Rating, Add	*2,190.81*	
40 05 19 00-0197	EA	12" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,525.23	696.96
		For Class 52 Rating, Deduct	*-821.62*	
		For Class 54 Rating, Add	*1,133.06*	
		For Class 55 Rating, Add	*1,690.98*	
		For Class 56 Rating, Add	*2,241.44*	
40 05 19 00-0198	EA	12" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,702.21	700.98
		For Class 52 Rating, Deduct	*-840.41*	
		For Class 54 Rating, Add	*1,158.76*	
		For Class 55 Rating, Add	*1,729.23*	
		For Class 56 Rating, Add	*2,292.07*	
40 05 19 00-0199	EA	12" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,879.17	705.01
		For Class 52 Rating, Deduct	*-859.21*	
		For Class 54 Rating, Add	*1,184.47*	
		For Class 55 Rating, Add	*1,767.49*	
		For Class 56 Rating, Add	*2,342.69*	
40 05 19 00-0200	EA	12" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,056.16	709.04
		For Class 52 Rating, Deduct	*-878.00*	
		For Class 54 Rating, Add	*1,210.17*	
		For Class 55 Rating, Add	*1,805.74*	
		For Class 56 Rating, Add	*2,393.32*	
40 05 19 00-0201	EA	12" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,233.14	713.07
		For Class 52 Rating, Deduct	*-896.80*	
		For Class 54 Rating, Add	*1,235.87*	
		For Class 55 Rating, Add	*1,843.99*	
		For Class 56 Rating, Add	*2,443.95*	
40 05 19 00-0202	EA	12" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,410.11	717.09
		For Class 52 Rating, Deduct	*-915.60*	
		For Class 54 Rating, Add	*1,261.58*	
		For Class 55 Rating, Add	*1,882.24*	
		For Class 56 Rating, Add	*2,494.58*	

40 05 19 00-0203 14" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0204	EA	14" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,588.56	676.81
		For Class 52 Rating, Deduct	*-281.94*	
		For Class 54 Rating, Add	*396.77*	
		For Class 55 Rating, Add	*596.18*	
		For Class 56 Rating, Add	*793.03*	
40 05 19 00-0205	EA	14" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,802.99	680.84
		For Class 52 Rating, Deduct	*-304.86*	
		For Class 54 Rating, Add	*428.09*	
		For Class 55 Rating, Add	*642.78*	
		For Class 56 Rating, Add	*854.70*	
40 05 19 00-0206	EA	14" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,017.42	684.86
		For Class 52 Rating, Deduct	*-327.77*	
		For Class 54 Rating, Add	*459.41*	
		For Class 55 Rating, Add	*689.39*	
		For Class 56 Rating, Add	*916.38*	
40 05 19 00-0207	EA	14" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,231.84	688.89
		For Class 52 Rating, Deduct	*-350.69*	
		For Class 54 Rating, Add	*490.73*	
		For Class 55 Rating, Add	*735.99*	
		For Class 56 Rating, Add	*978.05*	
40 05 19 00-0208	EA	14" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,446.26	692.93
		For Class 52 Rating, Deduct	*-373.60*	
		For Class 54 Rating, Add	*522.06*	
		For Class 55 Rating, Add	*782.59*	
		For Class 56 Rating, Add	*1,039.73*	
40 05 19 00-0209	EA	14" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,660.70	696.96
		For Class 52 Rating, Deduct	*-396.52*	
		For Class 54 Rating, Add	*553.38*	
		For Class 55 Rating, Add	*829.19*	
		For Class 56 Rating, Add	*1,101.41*	
40 05 19 00-0210	EA	14" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,875.13	700.98
		For Class 52 Rating, Deduct	*-419.43*	
		For Class 54 Rating, Add	*584.70*	
		For Class 55 Rating, Add	*875.80*	
		For Class 56 Rating, Add	*1,163.08*	
40 05 19 00-0211	EA	14" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,089.55	705.01
		For Class 52 Rating, Deduct	*-442.35*	
		For Class 54 Rating, Add	*616.02*	
		For Class 55 Rating, Add	*922.40*	
		For Class 56 Rating, Add	*1,224.76*	
40 05 19 00-0212	EA	14" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,303.98	709.04
		For Class 52 Rating, Deduct	*-465.26*	
		For Class 54 Rating, Add	*647.34*	
		For Class 55 Rating, Add	*969.00*	
		For Class 56 Rating, Add	*1,286.43*	
40 05 19 00-0213	EA	14" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,518.42	713.07
		For Class 52 Rating, Deduct	*-488.18*	
		For Class 54 Rating, Add	*678.67*	
		For Class 55 Rating, Add	*1,015.61*	
		For Class 56 Rating, Add	*1,348.11*	
40 05 19 00-0214	EA	14" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,732.84	717.09
		For Class 52 Rating, Deduct	*-511.10*	
		For Class 54 Rating, Add	*709.99*	
		For Class 55 Rating, Add	*1,062.21*	
		For Class 56 Rating, Add	*1,409.78*	
40 05 19 00-0215	EA	14" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,947.26	721.12
		For Class 52 Rating, Deduct	*-534.01*	
		For Class 54 Rating, Add	*741.31*	
		For Class 55 Rating, Add	*1,108.81*	
		For Class 56 Rating, Add	*1,471.46*	
40 05 19 00-0216	EA	14" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,161.70	725.15
		For Class 52 Rating, Deduct	*-556.93*	
		For Class 54 Rating, Add	*772.63*	
		For Class 55 Rating, Add	*1,155.41*	
		For Class 56 Rating, Add	*1,533.13*	
40 05 19 00-0217	EA	14" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,376.12	729.19
		For Class 52 Rating, Deduct	*-579.84*	
		For Class 54 Rating, Add	*803.95*	
		For Class 55 Rating, Add	*1,202.02*	
		For Class 56 Rating, Add	*1,594.81*	
40 05 19 00-0218	EA	14" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,590.56	733.21
		For Class 52 Rating, Deduct	*-602.76*	
		For Class 54 Rating, Add	*835.28*	
		For Class 55 Rating, Add	*1,248.62*	
		For Class 56 Rating, Add	*1,656.48*	
40 05 19 00-0219	EA	14" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,804.98	737.24
		For Class 52 Rating, Deduct	*-625.67*	
		For Class 54 Rating, Add	*866.60*	
		For Class 55 Rating, Add	*1,295.22*	
		For Class 56 Rating, Add	*1,718.16*	
40 05 19 00-0220	EA	14" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,019.40	741.27
		For Class 52 Rating, Deduct	*-648.59*	
		For Class 54 Rating, Add	*897.92*	
		For Class 55 Rating, Add	*1,341.82*	
		For Class 56 Rating, Add	*1,779.83*	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0221	EA	14" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,233.84	745.30
		For Class 52 Rating, Deduct	*-671.51*	
		For Class 54 Rating, Add	*929.24*	
		For Class 55 Rating, Add	*1,388.43*	
		For Class 56 Rating, Add	*1,841.51*	
40 05 19 00-0222	EA	14" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,448.27	749.32
		For Class 52 Rating, Deduct	*-694.42*	
		For Class 54 Rating, Add	*960.56*	
		For Class 55 Rating, Add	*1,435.03*	
		For Class 56 Rating, Add	*1,903.18*	
40 05 19 00-0223	EA	14" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,662.69	753.35
		For Class 52 Rating, Deduct	*-717.34*	
		For Class 54 Rating, Add	*991.88*	
		For Class 55 Rating, Add	*1,481.63*	
		For Class 56 Rating, Add	*1,964.86*	
40 05 19 00-0224	EA	14" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,877.12	757.38
		For Class 52 Rating, Deduct	*-740.25*	
		For Class 54 Rating, Add	*1,023.21*	
		For Class 55 Rating, Add	*1,528.24*	
		For Class 56 Rating, Add	*2,026.53*	
40 05 19 00-0225	EA	14" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,091.54	761.41
		For Class 52 Rating, Deduct	*-763.17*	
		For Class 54 Rating, Add	*1,054.53*	
		For Class 55 Rating, Add	*1,574.84*	
		For Class 56 Rating, Add	*2,088.21*	
40 05 19 00-0226	EA	14" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,305.98	765.44
		For Class 52 Rating, Deduct	*-786.08*	
		For Class 54 Rating, Add	*1,085.85*	
		For Class 55 Rating, Add	*1,621.44*	
		For Class 56 Rating, Add	*2,149.89*	
40 05 19 00-0227	EA	14" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,520.40	769.47
		For Class 52 Rating, Deduct	*-809.00*	
		For Class 54 Rating, Add	*1,117.17*	
		For Class 55 Rating, Add	*1,668.04*	
		For Class 56 Rating, Add	*2,211.56*	
40 05 19 00-0228	EA	14" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,734.83	773.50
		For Class 52 Rating, Deduct	*-831.92*	
		For Class 54 Rating, Add	*1,148.49*	
		For Class 55 Rating, Add	*1,714.65*	
		For Class 56 Rating, Add	*2,273.24*	
40 05 19 00-0229	EA	14" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,949.26	777.53
		For Class 52 Rating, Deduct	*-854.83*	
		For Class 54 Rating, Add	*1,179.82*	
		For Class 55 Rating, Add	*1,761.25*	
		For Class 56 Rating, Add	*2,334.91*	
40 05 19 00-0230	EA	14" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,163.69	781.56
		For Class 52 Rating, Deduct	*-877.75*	
		For Class 54 Rating, Add	*1,211.14*	
		For Class 55 Rating, Add	*1,807.85*	
		For Class 56 Rating, Add	*2,396.59*	
40 05 19 00-0231	EA	14" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,378.11	785.58
		For Class 52 Rating, Deduct	*-900.66*	
		For Class 54 Rating, Add	*1,242.46*	
		For Class 55 Rating, Add	*1,854.45*	
		For Class 56 Rating, Add	*2,458.26*	
40 05 19 00-0232	EA	14" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,592.54	789.61
		For Class 52 Rating, Deduct	*-923.58*	
		For Class 54 Rating, Add	*1,273.78*	
		For Class 55 Rating, Add	*1,901.06*	
		For Class 56 Rating, Add	*2,519.94*	
40 05 19 00-0233	EA	14" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,806.98	793.64
		For Class 52 Rating, Deduct	*-946.49*	
		For Class 54 Rating, Add	*1,305.10*	
		For Class 55 Rating, Add	*1,947.66*	
		For Class 56 Rating, Add	*2,581.61*	
40 05 19 00-0234	EA	14" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,021.40	797.67
		For Class 52 Rating, Deduct	*-969.41*	
		For Class 54 Rating, Add	*1,336.42*	
		For Class 55 Rating, Add	*1,994.26*	
		For Class 56 Rating, Add	*2,643.29*	
40 05 19 00-0235	EA	14" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,235.82	801.69
		For Class 52 Rating, Deduct	*-992.32*	
		For Class 54 Rating, Add	*1,367.75*	
		For Class 55 Rating, Add	*2,040.86*	
		For Class 56 Rating, Add	*2,704.96*	
40 05 19 00-0236	EA	14" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,450.26	805.73
		For Class 52 Rating, Deduct	*-1,015.24*	
		For Class 54 Rating, Add	*1,399.07*	
		For Class 55 Rating, Add	*2,087.47*	
		For Class 56 Rating, Add	*2,766.64*	
40 05 19 00-0237	EA	14" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,664.68	809.76
		For Class 52 Rating, Deduct	*-1,038.16*	
		For Class 54 Rating, Add	*1,430.39*	
		For Class 55 Rating, Add	*2,134.07*	
		For Class 56 Rating, Add	*2,828.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0238	EA	14" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,879.12	813.79
		For Class 52 Rating, Deduct	*-1,061.07*	
		For Class 54 Rating, Add	*1,461.71*	
		For Class 55 Rating, Add	*2,180.67*	
		For Class 56 Rating, Add	*2,889.99*	
40 05 19 00-0239	EA	14" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,093.54	817.81
		For Class 52 Rating, Deduct	*-1,083.99*	
		For Class 54 Rating, Add	*1,493.03*	
		For Class 55 Rating, Add	*2,227.28*	
		For Class 56 Rating, Add	*2,951.66*	
40 05 19 00-0240	EA	14" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,307.97	821.84
		For Class 52 Rating, Deduct	*-1,106.90*	
		For Class 54 Rating, Add	*1,524.36*	
		For Class 55 Rating, Add	*2,273.88*	
		For Class 56 Rating, Add	*3,013.34*	
40 05 19 00-0241	EA	14" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,522.40	825.87
		For Class 52 Rating, Deduct	*-1,129.82*	
		For Class 54 Rating, Add	*1,555.68*	
		For Class 55 Rating, Add	*2,320.48*	
		For Class 56 Rating, Add	*3,075.02*	

40 05 19 00-0242 16" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0243	EA	16" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,210.21	773.50
		For Class 52 Rating, Deduct	*-334.21*	
		For Class 54 Rating, Add	*469.80*	
		For Class 55 Rating, Add	*705.66*	
		For Class 56 Rating, Add	*938.47*	
40 05 19 00-0244	EA	16" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,459.76	777.53
		For Class 52 Rating, Deduct	*-360.99*	
		For Class 54 Rating, Add	*506.39*	
		For Class 55 Rating, Add	*760.09*	
		For Class 56 Rating, Add	*1,010.51*	
40 05 19 00-0245	EA	16" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,709.30	781.56
		For Class 52 Rating, Deduct	*-387.76*	
		For Class 54 Rating, Add	*542.98*	
		For Class 55 Rating, Add	*814.52*	
		For Class 56 Rating, Add	*1,082.54*	
40 05 19 00-0246	EA	16" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,958.83	785.58
		For Class 52 Rating, Deduct	*-414.54*	
		For Class 54 Rating, Add	*579.57*	
		For Class 55 Rating, Add	*868.96*	
		For Class 56 Rating, Add	*1,154.57*	
40 05 19 00-0247	EA	16" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,208.37	789.61
		For Class 52 Rating, Deduct	*-441.32*	
		For Class 54 Rating, Add	*616.16*	
		For Class 55 Rating, Add	*923.39*	
		For Class 56 Rating, Add	*1,226.61*	
40 05 19 00-0248	EA	16" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,457.92	793.64
		For Class 52 Rating, Deduct	*-468.10*	
		For Class 54 Rating, Add	*652.74*	
		For Class 55 Rating, Add	*977.82*	
		For Class 56 Rating, Add	*1,298.64*	
40 05 19 00-0249	EA	16" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,707.45	797.67
		For Class 52 Rating, Deduct	*-494.87*	
		For Class 54 Rating, Add	*689.33*	
		For Class 55 Rating, Add	*1,032.25*	
		For Class 56 Rating, Add	*1,370.67*	
40 05 19 00-0250	EA	16" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,956.99	801.69
		For Class 52 Rating, Deduct	*-521.65*	
		For Class 54 Rating, Add	*725.92*	
		For Class 55 Rating, Add	*1,086.69*	
		For Class 56 Rating, Add	*1,442.71*	
40 05 19 00-0251	EA	16" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,206.53	805.73
		For Class 52 Rating, Deduct	*-548.43*	
		For Class 54 Rating, Add	*762.51*	
		For Class 55 Rating, Add	*1,141.12*	
		For Class 56 Rating, Add	*1,514.74*	
40 05 19 00-0252	EA	16" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,456.07	809.76
		For Class 52 Rating, Deduct	*-575.21*	
		For Class 54 Rating, Add	*799.10*	
		For Class 55 Rating, Add	*1,195.55*	
		For Class 56 Rating, Add	*1,586.77*	
40 05 19 00-0253	EA	16" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,705.61	813.79
		For Class 52 Rating, Deduct	*-601.99*	
		For Class 54 Rating, Add	*835.69*	
		For Class 55 Rating, Add	*1,249.98*	
		For Class 56 Rating, Add	*1,658.81*	
40 05 19 00-0254	EA	16" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,955.15	817.81
		For Class 52 Rating, Deduct	*-628.76*	
		For Class 54 Rating, Add	*872.28*	
		For Class 55 Rating, Add	*1,304.42*	
		For Class 56 Rating, Add	*1,730.84*	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0255	EA	16" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,204.68	821.84
		For Class 52 Rating, Deduct	*-655.54*	
		For Class 54 Rating, Add	*908.86*	
		For Class 55 Rating, Add	*1,358.85*	
		For Class 56 Rating, Add	*1,802.87*	
40 05 19 00-0256	EA	16" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,454.23	825.87
		For Class 52 Rating, Deduct	*-682.32*	
		For Class 54 Rating, Add	*945.45*	
		For Class 55 Rating, Add	*1,413.28*	
		For Class 56 Rating, Add	*1,874.91*	
40 05 19 00-0257	EA	16" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,703.77	829.90
		For Class 52 Rating, Deduct	*-709.10*	
		For Class 54 Rating, Add	*982.04*	
		For Class 55 Rating, Add	*1,467.71*	
		For Class 56 Rating, Add	*1,946.94*	
40 05 19 00-0258	EA	16" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,953.30	833.92
		For Class 52 Rating, Deduct	*-735.88*	
		For Class 54 Rating, Add	*1,018.63*	
		For Class 55 Rating, Add	*1,522.15*	
		For Class 56 Rating, Add	*2,018.97*	
40 05 19 00-0259	EA	16" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,202.84	837.95
		For Class 52 Rating, Deduct	*-762.65*	
		For Class 54 Rating, Add	*1,055.22*	
		For Class 55 Rating, Add	*1,576.58*	
		For Class 56 Rating, Add	*2,091.00*	
40 05 19 00-0260	EA	16" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,452.38	841.99
		For Class 52 Rating, Deduct	*-789.43*	
		For Class 54 Rating, Add	*1,091.81*	
		For Class 55 Rating, Add	*1,631.01*	
		For Class 56 Rating, Add	*2,163.04*	
40 05 19 00-0261	EA	16" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,701.92	846.02
		For Class 52 Rating, Deduct	*-816.21*	
		For Class 54 Rating, Add	*1,128.39*	
		For Class 55 Rating, Add	*1,685.44*	
		For Class 56 Rating, Add	*2,235.07*	
40 05 19 00-0262	EA	16" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,951.46	850.04
		For Class 52 Rating, Deduct	*-842.99*	
		For Class 54 Rating, Add	*1,164.98*	
		For Class 55 Rating, Add	*1,739.88*	
		For Class 56 Rating, Add	*2,307.10*	
40 05 19 00-0263	EA	16" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,200.99	854.07
		For Class 52 Rating, Deduct	*-869.76*	
		For Class 54 Rating, Add	*1,201.57*	
		For Class 55 Rating, Add	*1,794.31*	
		For Class 56 Rating, Add	*2,379.14*	
40 05 19 00-0264	EA	16" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,450.54	858.10
		For Class 52 Rating, Deduct	*-896.54*	
		For Class 54 Rating, Add	*1,238.16*	
		For Class 55 Rating, Add	*1,848.74*	
		For Class 56 Rating, Add	*2,451.17*	
40 05 19 00-0265	EA	16" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,700.08	862.13
		For Class 52 Rating, Deduct	*-923.32*	
		For Class 54 Rating, Add	*1,274.75*	
		For Class 55 Rating, Add	*1,903.17*	
		For Class 56 Rating, Add	*2,523.20*	
40 05 19 00-0266	EA	16" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,949.61	866.15
		For Class 52 Rating, Deduct	*-950.10*	
		For Class 54 Rating, Add	*1,311.34*	
		For Class 55 Rating, Add	*1,957.61*	
		For Class 56 Rating, Add	*2,595.24*	
40 05 19 00-0267	EA	16" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,199.15	870.18
		For Class 52 Rating, Deduct	*-976.88*	
		For Class 54 Rating, Add	*1,347.93*	
		For Class 55 Rating, Add	*2,012.04*	
		For Class 56 Rating, Add	*2,667.27*	
40 05 19 00-0268	EA	16" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,448.70	874.21
		For Class 52 Rating, Deduct	*-1,003.65*	
		For Class 54 Rating, Add	*1,384.51*	
		For Class 55 Rating, Add	*2,066.47*	
		For Class 56 Rating, Add	*2,739.30*	
40 05 19 00-0269	EA	16" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,698.23	878.25
		For Class 52 Rating, Deduct	*-1,030.43*	
		For Class 54 Rating, Add	*1,421.10*	
		For Class 55 Rating, Add	*2,120.90*	
		For Class 56 Rating, Add	*2,811.33*	
40 05 19 00-0270	EA	16" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,947.77	882.27
		For Class 52 Rating, Deduct	*-1,057.21*	
		For Class 54 Rating, Add	*1,457.69*	
		For Class 55 Rating, Add	*2,175.34*	
		For Class 56 Rating, Add	*2,883.37*	
40 05 19 00-0271	EA	16" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,197.31	886.30
		For Class 52 Rating, Deduct	*-1,083.99*	
		For Class 54 Rating, Add	*1,494.28*	
		For Class 55 Rating, Add	*2,229.77*	
		For Class 56 Rating, Add	*2,955.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0272	EA	16" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,446.85	890.33
		For Class 52 Rating, Deduct	*-1,110.77*	
		For Class 54 Rating, Add	*1,530.87*	
		For Class 55 Rating, Add	*2,284.20*	
		For Class 56 Rating, Add	*3,027.43*	
40 05 19 00-0273	EA	16" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,696.39	894.36
		For Class 52 Rating, Deduct	*-1,137.54*	
		For Class 54 Rating, Add	*1,567.46*	
		For Class 55 Rating, Add	*2,338.63*	
		For Class 56 Rating, Add	*3,099.47*	
40 05 19 00-0274	EA	16" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,945.93	898.38
		For Class 52 Rating, Deduct	*-1,164.32*	
		For Class 54 Rating, Add	*1,604.05*	
		For Class 55 Rating, Add	*2,393.07*	
		For Class 56 Rating, Add	*3,171.50*	
40 05 19 00-0275	EA	16" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,195.46	902.41
		For Class 52 Rating, Deduct	*-1,191.10*	
		For Class 54 Rating, Add	*1,640.63*	
		For Class 55 Rating, Add	*2,447.50*	
		For Class 56 Rating, Add	*3,243.53*	
40 05 19 00-0276	EA	16" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,445.01	906.44
		For Class 52 Rating, Deduct	*-1,217.88*	
		For Class 54 Rating, Add	*1,677.22*	
		For Class 55 Rating, Add	*2,501.93*	
		For Class 56 Rating, Add	*3,315.57*	
40 05 19 00-0277	EA	16" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,694.54	910.47
		For Class 52 Rating, Deduct	*-1,244.65*	
		For Class 54 Rating, Add	*1,713.81*	
		For Class 55 Rating, Add	*2,556.36*	
		For Class 56 Rating, Add	*3,387.60*	
40 05 19 00-0278	EA	16" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,944.08	914.49
		For Class 52 Rating, Deduct	*-1,271.43*	
		For Class 54 Rating, Add	*1,750.40*	
		For Class 55 Rating, Add	*2,610.80*	
		For Class 56 Rating, Add	*3,459.63*	
40 05 19 00-0279	EA	16" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,193.62	918.53
		For Class 52 Rating, Deduct	*-1,298.21*	
		For Class 54 Rating, Add	*1,786.99*	
		For Class 55 Rating, Add	*2,665.23*	
		For Class 56 Rating, Add	*3,531.67*	
40 05 19 00-0280	EA	16" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,443.16	922.56
		For Class 52 Rating, Deduct	*-1,324.99*	
		For Class 54 Rating, Add	*1,823.58*	
		For Class 55 Rating, Add	*2,719.66*	
		For Class 56 Rating, Add	*3,603.70*	

40 05 19 00-0281 18" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0282	EA	18" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,902.20	871.79
		For Class 52 Rating, Deduct	*-393.94*	
		For Class 54 Rating, Add	*553.05*	
		For Class 55 Rating, Add	*830.33*	
		For Class 56 Rating, Add	*1,104.04*	
40 05 19 00-0283	EA	18" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,189.20	875.82
		For Class 52 Rating, Deduct	*-424.84*	
		For Class 54 Rating, Add	*595.25*	
		For Class 55 Rating, Add	*893.12*	
		For Class 56 Rating, Add	*1,187.12*	
40 05 19 00-0284	EA	18" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,476.18	879.85
		For Class 52 Rating, Deduct	*-455.74*	
		For Class 54 Rating, Add	*637.46*	
		For Class 55 Rating, Add	*955.90*	
		For Class 56 Rating, Add	*1,270.20*	
40 05 19 00-0285	EA	18" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,763.17	883.88
		For Class 52 Rating, Deduct	*-486.64*	
		For Class 54 Rating, Add	*679.66*	
		For Class 55 Rating, Add	*1,018.68*	
		For Class 56 Rating, Add	*1,353.28*	
40 05 19 00-0286	EA	18" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,050.17	887.91
		For Class 52 Rating, Deduct	*-517.53*	
		For Class 54 Rating, Add	*721.87*	
		For Class 55 Rating, Add	*1,081.47*	
		For Class 56 Rating, Add	*1,436.36*	
40 05 19 00-0287	EA	18" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,337.16	891.94
		For Class 52 Rating, Deduct	*-548.43*	
		For Class 54 Rating, Add	*764.08*	
		For Class 55 Rating, Add	*1,144.25*	
		For Class 56 Rating, Add	*1,519.44*	
40 05 19 00-0288	EA	18" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,624.14	895.97
		For Class 52 Rating, Deduct	*-579.33*	
		For Class 54 Rating, Add	*806.28*	
		For Class 55 Rating, Add	*1,207.04*	
		For Class 56 Rating, Add	*1,602.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0289	EA	18" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,911.14	900.00
		For Class 52 Rating, Deduct	*-610.23*	
		For Class 54 Rating, Add	*848.49*	
		For Class 55 Rating, Add	*1,269.82*	
		For Class 56 Rating, Add	*1,685.61*	
40 05 19 00-0290	EA	18" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,198.13	904.02
		For Class 52 Rating, Deduct	*-641.12*	
		For Class 54 Rating, Add	*890.70*	
		For Class 55 Rating, Add	*1,332.60*	
		For Class 56 Rating, Add	*1,768.69*	
40 05 19 00-0291	EA	18" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,485.12	908.05
		For Class 52 Rating, Deduct	*-672.02*	
		For Class 54 Rating, Add	*932.90*	
		For Class 55 Rating, Add	*1,395.39*	
		For Class 56 Rating, Add	*1,851.77*	
40 05 19 00-0292	EA	18" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,772.11	912.08
		For Class 52 Rating, Deduct	*-702.92*	
		For Class 54 Rating, Add	*975.11*	
		For Class 55 Rating, Add	*1,458.17*	
		For Class 56 Rating, Add	*1,934.85*	
40 05 19 00-0293	EA	18" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,059.10	916.11
		For Class 52 Rating, Deduct	*-733.82*	
		For Class 54 Rating, Add	*1,017.31*	
		For Class 55 Rating, Add	*1,520.96*	
		For Class 56 Rating, Add	*2,017.93*	
40 05 19 00-0294	EA	18" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,346.09	920.13
		For Class 52 Rating, Deduct	*-764.71*	
		For Class 54 Rating, Add	*1,059.52*	
		For Class 55 Rating, Add	*1,583.74*	
		For Class 56 Rating, Add	*2,101.01*	
40 05 19 00-0295	EA	18" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,633.08	924.17
		For Class 52 Rating, Deduct	*-795.61*	
		For Class 54 Rating, Add	*1,101.73*	
		For Class 55 Rating, Add	*1,646.53*	
		For Class 56 Rating, Add	*2,184.09*	
40 05 19 00-0296	EA	18" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,920.07	928.20
		For Class 52 Rating, Deduct	*-826.51*	
		For Class 54 Rating, Add	*1,143.93*	
		For Class 55 Rating, Add	*1,709.31*	
		For Class 56 Rating, Add	*2,267.17*	
40 05 19 00-0297	EA	18" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,207.06	932.23
		For Class 52 Rating, Deduct	*-857.41*	
		For Class 54 Rating, Add	*1,186.14*	
		For Class 55 Rating, Add	*1,772.09*	
		For Class 56 Rating, Add	*2,350.26*	
40 05 19 00-0298	EA	18" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,494.05	936.26
		For Class 52 Rating, Deduct	*-888.30*	
		For Class 54 Rating, Add	*1,228.34*	
		For Class 55 Rating, Add	*1,834.88*	
		For Class 56 Rating, Add	*2,433.34*	
40 05 19 00-0299	EA	18" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,781.04	940.28
		For Class 52 Rating, Deduct	*-919.20*	
		For Class 54 Rating, Add	*1,270.55*	
		For Class 55 Rating, Add	*1,897.66*	
		For Class 56 Rating, Add	*2,516.42*	
40 05 19 00-0300	EA	18" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,068.03	944.31
		For Class 52 Rating, Deduct	*-950.10*	
		For Class 54 Rating, Add	*1,312.76*	
		For Class 55 Rating, Add	*1,960.45*	
		For Class 56 Rating, Add	*2,599.50*	
40 05 19 00-0301	EA	18" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,355.02	948.34
		For Class 52 Rating, Deduct	*-981.00*	
		For Class 54 Rating, Add	*1,354.96*	
		For Class 55 Rating, Add	*2,023.23*	
		For Class 56 Rating, Add	*2,682.58*	
40 05 19 00-0302	EA	18" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,642.01	952.37
		For Class 52 Rating, Deduct	*-1,011.89*	
		For Class 54 Rating, Add	*1,397.17*	
		For Class 55 Rating, Add	*2,086.02*	
		For Class 56 Rating, Add	*2,765.66*	
40 05 19 00-0303	EA	18" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,929.01	956.39
		For Class 52 Rating, Deduct	*-1,042.79*	
		For Class 54 Rating, Add	*1,439.38*	
		For Class 55 Rating, Add	*2,148.80*	
		For Class 56 Rating, Add	*2,848.74*	
40 05 19 00-0304	EA	18" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,215.99	960.42
		For Class 52 Rating, Deduct	*-1,073.69*	
		For Class 54 Rating, Add	*1,481.58*	
		For Class 55 Rating, Add	*2,211.58*	
		For Class 56 Rating, Add	*2,931.82*	
40 05 19 00-0305	EA	18" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,502.98	964.46
		For Class 52 Rating, Deduct	*-1,104.59*	
		For Class 54 Rating, Add	*1,523.79*	
		For Class 55 Rating, Add	*2,274.37*	
		For Class 56 Rating, Add	*3,014.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0306	EA	18" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,789.98	968.49
		For Class 52 Rating, Deduct	*-1,135.48*	
		For Class 54 Rating, Add	*1,566.00*	
		For Class 55 Rating, Add	*2,337.15*	
		For Class 56 Rating, Add	*3,097.99*	
40 05 19 00-0307	EA	18" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,076.97	972.51
		For Class 52 Rating, Deduct	*-1,166.38*	
		For Class 54 Rating, Add	*1,608.20*	
		For Class 55 Rating, Add	*2,399.94*	
		For Class 56 Rating, Add	*3,181.07*	
40 05 19 00-0308	EA	18" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,363.95	976.54
		For Class 52 Rating, Deduct	*-1,197.28*	
		For Class 54 Rating, Add	*1,650.41*	
		For Class 55 Rating, Add	*2,462.72*	
		For Class 56 Rating, Add	*3,264.15*	
40 05 19 00-0309	EA	18" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,650.94	980.57
		For Class 52 Rating, Deduct	*-1,228.18*	
		For Class 54 Rating, Add	*1,692.61*	
		For Class 55 Rating, Add	*2,525.50*	
		For Class 56 Rating, Add	*3,347.23*	
40 05 19 00-0310	EA	18" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,937.94	984.60
		For Class 52 Rating, Deduct	*-1,259.07*	
		For Class 54 Rating, Add	*1,734.82*	
		For Class 55 Rating, Add	*2,588.29*	
		For Class 56 Rating, Add	*3,430.31*	
40 05 19 00-0311	EA	18" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,224.93	988.62
		For Class 52 Rating, Deduct	*-1,289.97*	
		For Class 54 Rating, Add	*1,777.03*	
		For Class 55 Rating, Add	*2,651.07*	
		For Class 56 Rating, Add	*3,513.39*	
40 05 19 00-0312	EA	18" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,511.91	992.65
		For Class 52 Rating, Deduct	*-1,320.87*	
		For Class 54 Rating, Add	*1,819.23*	
		For Class 55 Rating, Add	*2,713.86*	
		For Class 56 Rating, Add	*3,596.47*	
40 05 19 00-0313	EA	18" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,798.91	996.68
		For Class 52 Rating, Deduct	*-1,351.77*	
		For Class 54 Rating, Add	*1,861.44*	
		For Class 55 Rating, Add	*2,776.64*	
		For Class 56 Rating, Add	*3,679.55*	
40 05 19 00-0314	EA	18" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,085.90	1,000.72
		For Class 52 Rating, Deduct	*-1,382.66*	
		For Class 54 Rating, Add	*1,903.65*	
		For Class 55 Rating, Add	*2,839.43*	
		For Class 56 Rating, Add	*3,762.64*	
40 05 19 00-0315	EA	18" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,372.89	1,004.74
		For Class 52 Rating, Deduct	*-1,413.56*	
		For Class 54 Rating, Add	*1,945.85*	
		For Class 55 Rating, Add	*2,902.21*	
		For Class 56 Rating, Add	*3,845.72*	
40 05 19 00-0316	EA	18" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,659.88	1,008.77
		For Class 52 Rating, Deduct	*-1,444.46*	
		For Class 54 Rating, Add	*1,988.06*	
		For Class 55 Rating, Add	*2,964.99*	
		For Class 56 Rating, Add	*3,928.80*	
40 05 19 00-0317	EA	18" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,946.87	1,012.80
		For Class 52 Rating, Deduct	*-1,475.36*	
		For Class 54 Rating, Add	*2,030.26*	
		For Class 55 Rating, Add	*3,027.78*	
		For Class 56 Rating, Add	*4,011.88*	
40 05 19 00-0318	EA	18" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,233.86	1,016.83
		For Class 52 Rating, Deduct	*-1,506.25*	
		For Class 54 Rating, Add	*2,072.47*	
		For Class 55 Rating, Add	*3,090.56*	
		For Class 56 Rating, Add	*4,094.96*	
40 05 19 00-0319	EA	18" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,520.85	1,020.85
		For Class 52 Rating, Deduct	*-1,537.15*	
		For Class 54 Rating, Add	*2,114.68*	
		For Class 55 Rating, Add	*3,153.35*	
		For Class 56 Rating, Add	*4,178.04*	

40 05 19 00-0320 20" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0321	EA	20" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,742.04	995.08
		For Class 52 Rating, Deduct	*-465.78*	
		For Class 54 Rating, Add	*653.25*	
		For Class 55 Rating, Add	*980.45*	
		For Class 56 Rating, Add	*1,303.41*	
40 05 19 00-0322	EA	20" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,071.17	999.10
		For Class 52 Rating, Deduct	*-501.31*	
		For Class 54 Rating, Add	*701.77*	
		For Class 55 Rating, Add	*1,052.63*	
		For Class 56 Rating, Add	*1,398.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0323	EA	20" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,400.29	1,003.13
		For Class 52 Rating, Deduct	*-536.84*	
		For Class 54 Rating, Add	*750.30*	
		For Class 55 Rating, Add	*1,124.81*	
		For Class 56 Rating, Add	*1,494.43*	
40 05 19 00-0324	EA	20" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,729.42	1,007.16
		For Class 52 Rating, Deduct	*-572.38*	
		For Class 54 Rating, Add	*798.83*	
		For Class 55 Rating, Add	*1,196.99*	
		For Class 56 Rating, Add	*1,589.94*	
40 05 19 00-0325	EA	20" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,058.54	1,011.19
		For Class 52 Rating, Deduct	*-607.91*	
		For Class 54 Rating, Add	*847.35*	
		For Class 55 Rating, Add	*1,269.17*	
		For Class 56 Rating, Add	*1,685.46*	
40 05 19 00-0326	EA	20" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,387.66	1,015.21
		For Class 52 Rating, Deduct	*-643.44*	
		For Class 54 Rating, Add	*895.88*	
		For Class 55 Rating, Add	*1,341.35*	
		For Class 56 Rating, Add	*1,780.97*	
40 05 19 00-0327	EA	20" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,716.79	1,019.24
		For Class 52 Rating, Deduct	*-678.97*	
		For Class 54 Rating, Add	*944.40*	
		For Class 55 Rating, Add	*1,413.53*	
		For Class 56 Rating, Add	*1,876.48*	
40 05 19 00-0328	EA	20" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,045.92	1,023.27
		For Class 52 Rating, Deduct	*-714.51*	
		For Class 54 Rating, Add	*992.93*	
		For Class 55 Rating, Add	*1,485.71*	
		For Class 56 Rating, Add	*1,971.99*	
40 05 19 00-0329	EA	20" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,375.03	1,027.30
		For Class 52 Rating, Deduct	*-750.04*	
		For Class 54 Rating, Add	*1,041.46*	
		For Class 55 Rating, Add	*1,557.89*	
		For Class 56 Rating, Add	*2,067.50*	
40 05 19 00-0330	EA	20" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,704.16	1,031.33
		For Class 52 Rating, Deduct	*-785.57*	
		For Class 54 Rating, Add	*1,089.98*	
		For Class 55 Rating, Add	*1,630.07*	
		For Class 56 Rating, Add	*2,163.01*	
40 05 19 00-0331	EA	20" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,033.29	1,035.36
		For Class 52 Rating, Deduct	*-821.10*	
		For Class 54 Rating, Add	*1,138.51*	
		For Class 55 Rating, Add	*1,702.25*	
		For Class 56 Rating, Add	*2,258.52*	
40 05 19 00-0332	EA	20" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,362.41	1,039.39
		For Class 52 Rating, Deduct	*-856.63*	
		For Class 54 Rating, Add	*1,187.03*	
		For Class 55 Rating, Add	*1,774.43*	
		For Class 56 Rating, Add	*2,354.03*	
40 05 19 00-0333	EA	20" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,691.52	1,043.42
		For Class 52 Rating, Deduct	*-892.16*	
		For Class 54 Rating, Add	*1,235.56*	
		For Class 55 Rating, Add	*1,846.60*	
		For Class 56 Rating, Add	*2,449.54*	
40 05 19 00-0334	EA	20" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,020.65	1,047.44
		For Class 52 Rating, Deduct	*-927.70*	
		For Class 54 Rating, Add	*1,284.09*	
		For Class 55 Rating, Add	*1,918.78*	
		For Class 56 Rating, Add	*2,545.05*	
40 05 19 00-0335	EA	20" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,349.77	1,051.47
		For Class 52 Rating, Deduct	*-963.23*	
		For Class 54 Rating, Add	*1,332.61*	
		For Class 55 Rating, Add	*1,990.96*	
		For Class 56 Rating, Add	*2,640.56*	
40 05 19 00-0336	EA	20" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,678.90	1,055.50
		For Class 52 Rating, Deduct	*-998.76*	
		For Class 54 Rating, Add	*1,381.14*	
		For Class 55 Rating, Add	*2,063.14*	
		For Class 56 Rating, Add	*2,736.07*	
40 05 19 00-0337	EA	20" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,008.01	1,059.53
		For Class 52 Rating, Deduct	*-1,034.29*	
		For Class 54 Rating, Add	*1,429.66*	
		For Class 55 Rating, Add	*2,135.32*	
		For Class 56 Rating, Add	*2,831.58*	
40 05 19 00-0338	EA	20" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,337.14	1,063.55
		For Class 52 Rating, Deduct	*-1,069.83*	
		For Class 54 Rating, Add	*1,478.19*	
		For Class 55 Rating, Add	*2,207.50*	
		For Class 56 Rating, Add	*2,927.09*	
40 05 19 00-0339	EA	20" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,666.27	1,067.59
		For Class 52 Rating, Deduct	*-1,105.36*	
		For Class 54 Rating, Add	*1,526.72*	
		For Class 55 Rating, Add	*2,279.68*	
		For Class 56 Rating, Add	*3,022.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0340	EA	20" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,995.39	1,071.62
		For Class 52 Rating, Deduct	*-1,140.89*	
		For Class 54 Rating, Add	*1,575.24*	
		For Class 55 Rating, Add	*2,351.86*	
		For Class 56 Rating, Add	*3,118.11*	
40 05 19 00-0341	EA	20" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,324.51	1,075.65
		For Class 52 Rating, Deduct	*-1,176.42*	
		For Class 54 Rating, Add	*1,623.77*	
		For Class 55 Rating, Add	*2,424.04*	
		For Class 56 Rating, Add	*3,213.62*	
40 05 19 00-0342	EA	20" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,653.64	1,079.67
		For Class 52 Rating, Deduct	*-1,211.95*	
		For Class 54 Rating, Add	*1,672.30*	
		For Class 55 Rating, Add	*2,496.22*	
		For Class 56 Rating, Add	*3,309.13*	
40 05 19 00-0343	EA	20" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,982.76	1,083.70
		For Class 52 Rating, Deduct	*-1,247.49*	
		For Class 54 Rating, Add	*1,720.82*	
		For Class 55 Rating, Add	*2,568.40*	
		For Class 56 Rating, Add	*3,404.64*	
40 05 19 00-0344	EA	20" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,311.89	1,087.73
		For Class 52 Rating, Deduct	*-1,283.02*	
		For Class 54 Rating, Add	*1,769.35*	
		For Class 55 Rating, Add	*2,640.58*	
		For Class 56 Rating, Add	*3,500.15*	
40 05 19 00-0345	EA	20" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,641.01	1,091.76
		For Class 52 Rating, Deduct	*-1,318.55*	
		For Class 54 Rating, Add	*1,817.87*	
		For Class 55 Rating, Add	*2,712.76*	
		For Class 56 Rating, Add	*3,595.67*	
40 05 19 00-0346	EA	20" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,970.13	1,095.78
		For Class 52 Rating, Deduct	*-1,354.08*	
		For Class 54 Rating, Add	*1,866.40*	
		For Class 55 Rating, Add	*2,784.94*	
		For Class 56 Rating, Add	*3,691.18*	
40 05 19 00-0347	EA	20" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,299.26	1,099.81
		For Class 52 Rating, Deduct	*-1,389.62*	
		For Class 54 Rating, Add	*1,914.93*	
		For Class 55 Rating, Add	*2,857.12*	
		For Class 56 Rating, Add	*3,786.69*	
40 05 19 00-0348	EA	20" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,628.39	1,103.85
		For Class 52 Rating, Deduct	*-1,425.15*	
		For Class 54 Rating, Add	*1,963.45*	
		For Class 55 Rating, Add	*2,929.30*	
		For Class 56 Rating, Add	*3,882.20*	
40 05 19 00-0349	EA	20" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,957.49	1,107.88
		For Class 52 Rating, Deduct	*-1,460.68*	
		For Class 54 Rating, Add	*2,011.98*	
		For Class 55 Rating, Add	*3,001.48*	
		For Class 56 Rating, Add	*3,977.70*	
40 05 19 00-0350	EA	20" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,286.62	1,111.90
		For Class 52 Rating, Deduct	*-1,496.21*	
		For Class 54 Rating, Add	*2,060.50*	
		For Class 55 Rating, Add	*3,073.66*	
		For Class 56 Rating, Add	*4,073.22*	
40 05 19 00-0351	EA	20" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,615.75	1,115.93
		For Class 52 Rating, Deduct	*-1,531.74*	
		For Class 54 Rating, Add	*2,109.03*	
		For Class 55 Rating, Add	*3,145.84*	
		For Class 56 Rating, Add	*4,168.73*	
40 05 19 00-0352	EA	20" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,944.87	1,119.96
		For Class 52 Rating, Deduct	*-1,567.28*	
		For Class 54 Rating, Add	*2,157.56*	
		For Class 55 Rating, Add	*3,218.02*	
		For Class 56 Rating, Add	*4,264.24*	
40 05 19 00-0353	EA	20" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,273.99	1,123.99
		For Class 52 Rating, Deduct	*-1,602.81*	
		For Class 54 Rating, Add	*2,206.08*	
		For Class 55 Rating, Add	*3,290.20*	
		For Class 56 Rating, Add	*4,359.75*	
40 05 19 00-0354	EA	20" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,603.11	1,128.01
		For Class 52 Rating, Deduct	*-1,638.34*	
		For Class 54 Rating, Add	*2,254.61*	
		For Class 55 Rating, Add	*3,362.38*	
		For Class 56 Rating, Add	*4,455.26*	
40 05 19 00-0355	EA	20" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,932.24	1,132.04
		For Class 52 Rating, Deduct	*-1,673.87*	
		For Class 54 Rating, Add	*2,303.14*	
		For Class 55 Rating, Add	*3,434.56*	
		For Class 56 Rating, Add	*4,550.77*	
40 05 19 00-0356	EA	20" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,261.37	1,136.07
		For Class 52 Rating, Deduct	*-1,709.40*	
		For Class 54 Rating, Add	*2,351.66*	
		For Class 55 Rating, Add	*3,506.74*	
		For Class 56 Rating, Add	*4,646.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0357	EA	20" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,590.48	1,140.10
		For Class 52 Rating, Deduct	*-1,744.94*	
		For Class 54 Rating, Add	*2,400.19*	
		For Class 55 Rating, Add	*3,578.92*	
		For Class 56 Rating, Add	*4,741.79*	
40 05 19 00-0358	EA	20" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,919.61	1,144.13
		For Class 52 Rating, Deduct	*-1,780.47*	
		For Class 54 Rating, Add	*2,448.71*	
		For Class 55 Rating, Add	*3,651.10*	
		For Class 56 Rating, Add	*4,837.30*	

40 05 19 00-0359 24" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0360	EA	24" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,067.71	1,176.36
		For Class 52 Rating, Deduct	*-581.39*	
		For Class 54 Rating, Add	*814.19*	
		For Class 55 Rating, Add	*1,221.41*	
		For Class 56 Rating, Add	*1,623.34*	
40 05 19 00-0361	EA	24" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,474.08	1,180.39
		For Class 52 Rating, Deduct	*-625.42*	
		For Class 54 Rating, Add	*874.30*	
		For Class 55 Rating, Add	*1,310.81*	
		For Class 56 Rating, Add	*1,741.64*	
40 05 19 00-0362	EA	24" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,880.45	1,184.42
		For Class 52 Rating, Deduct	*-669.45*	
		For Class 54 Rating, Add	*934.42*	
		For Class 55 Rating, Add	*1,400.22*	
		For Class 56 Rating, Add	*1,859.94*	
40 05 19 00-0363	EA	24" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,286.81	1,188.45
		For Class 52 Rating, Deduct	*-713.48*	
		For Class 54 Rating, Add	*994.53*	
		For Class 55 Rating, Add	*1,489.63*	
		For Class 56 Rating, Add	*1,978.24*	
40 05 19 00-0364	EA	24" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,693.18	1,192.48
		For Class 52 Rating, Deduct	*-757.50*	
		For Class 54 Rating, Add	*1,054.64*	
		For Class 55 Rating, Add	*1,579.03*	
		For Class 56 Rating, Add	*2,096.53*	
40 05 19 00-0365	EA	24" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,099.54	1,196.50
		For Class 52 Rating, Deduct	*-801.53*	
		For Class 54 Rating, Add	*1,114.75*	
		For Class 55 Rating, Add	*1,668.43*	
		For Class 56 Rating, Add	*2,214.83*	
40 05 19 00-0366	EA	24" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,505.91	1,200.53
		For Class 52 Rating, Deduct	*-845.56*	
		For Class 54 Rating, Add	*1,174.87*	
		For Class 55 Rating, Add	*1,757.84*	
		For Class 56 Rating, Add	*2,333.13*	
40 05 19 00-0367	EA	24" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,912.28	1,204.56
		For Class 52 Rating, Deduct	*-889.59*	
		For Class 54 Rating, Add	*1,234.98*	
		For Class 55 Rating, Add	*1,847.25*	
		For Class 56 Rating, Add	*2,451.42*	
40 05 19 00-0368	EA	24" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,318.64	1,208.59
		For Class 52 Rating, Deduct	*-933.62*	
		For Class 54 Rating, Add	*1,295.09*	
		For Class 55 Rating, Add	*1,936.65*	
		For Class 56 Rating, Add	*2,569.72*	
40 05 19 00-0369	EA	24" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,725.01	1,212.61
		For Class 52 Rating, Deduct	*-977.65*	
		For Class 54 Rating, Add	*1,355.20*	
		For Class 55 Rating, Add	*2,026.05*	
		For Class 56 Rating, Add	*2,688.02*	
40 05 19 00-0370	EA	24" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,131.39	1,216.65
		For Class 52 Rating, Deduct	*-1,021.68*	
		For Class 54 Rating, Add	*1,415.32*	
		For Class 55 Rating, Add	*2,115.46*	
		For Class 56 Rating, Add	*2,806.32*	
40 05 19 00-0371	EA	24" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,537.74	1,220.68
		For Class 52 Rating, Deduct	*-1,065.71*	
		For Class 54 Rating, Add	*1,475.43*	
		For Class 55 Rating, Add	*2,204.87*	
		For Class 56 Rating, Add	*2,924.61*	
40 05 19 00-0372	EA	24" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,944.11	1,224.71
		For Class 52 Rating, Deduct	*-1,109.74*	
		For Class 54 Rating, Add	*1,535.54*	
		For Class 55 Rating, Add	*2,294.27*	
		For Class 56 Rating, Add	*3,042.91*	
40 05 19 00-0373	EA	24" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,350.49	1,228.73
		For Class 52 Rating, Deduct	*-1,153.76*	
		For Class 54 Rating, Add	*1,595.66*	
		For Class 55 Rating, Add	*2,383.68*	
		For Class 56 Rating, Add	*3,161.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0374	EA	24" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,756.85	1,232.76
		For Class 52 Rating, Deduct	*-1,197.79*	
		For Class 54 Rating, Add	*1,655.77*	
		For Class 55 Rating, Add	*2,473.08*	
		For Class 56 Rating, Add	*3,279.51*	
40 05 19 00-0375	EA	24" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,163.21	1,236.79
		For Class 52 Rating, Deduct	*-1,241.82*	
		For Class 54 Rating, Add	*1,715.88*	
		For Class 55 Rating, Add	*2,562.49*	
		For Class 56 Rating, Add	*3,397.80*	
40 05 19 00-0376	EA	24" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,569.59	1,240.82
		For Class 52 Rating, Deduct	*-1,285.85*	
		For Class 54 Rating, Add	*1,775.99*	
		For Class 55 Rating, Add	*2,651.89*	
		For Class 56 Rating, Add	*3,516.10*	
40 05 19 00-0377	EA	24" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,975.95	1,244.84
		For Class 52 Rating, Deduct	*-1,329.88*	
		For Class 54 Rating, Add	*1,836.11*	
		For Class 55 Rating, Add	*2,741.30*	
		For Class 56 Rating, Add	*3,634.40*	
40 05 19 00-0378	EA	24" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,382.32	1,248.87
		For Class 52 Rating, Deduct	*-1,373.91*	
		For Class 54 Rating, Add	*1,896.22*	
		For Class 55 Rating, Add	*2,830.70*	
		For Class 56 Rating, Add	*3,752.69*	
40 05 19 00-0379	EA	24" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,788.68	1,252.91
		For Class 52 Rating, Deduct	*-1,417.94*	
		For Class 54 Rating, Add	*1,956.33*	
		For Class 55 Rating, Add	*2,920.11*	
		For Class 56 Rating, Add	*3,870.99*	
40 05 19 00-0380	EA	24" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,195.05	1,256.94
		For Class 52 Rating, Deduct	*-1,461.97*	
		For Class 54 Rating, Add	*2,016.44*	
		For Class 55 Rating, Add	*3,009.51*	
		For Class 56 Rating, Add	*3,989.29*	
40 05 19 00-0381	EA	24" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,601.42	1,260.96
		For Class 52 Rating, Deduct	*-1,506.00*	
		For Class 54 Rating, Add	*2,076.56*	
		For Class 55 Rating, Add	*3,098.92*	
		For Class 56 Rating, Add	*4,107.59*	
40 05 19 00-0382	EA	24" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,007.79	1,264.99
		For Class 52 Rating, Deduct	*-1,550.02*	
		For Class 54 Rating, Add	*2,136.67*	
		For Class 55 Rating, Add	*3,188.32*	
		For Class 56 Rating, Add	*4,225.88*	
40 05 19 00-0383	EA	24" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,414.15	1,269.02
		For Class 52 Rating, Deduct	*-1,594.05*	
		For Class 54 Rating, Add	*2,196.78*	
		For Class 55 Rating, Add	*3,277.73*	
		For Class 56 Rating, Add	*4,344.18*	
40 05 19 00-0384	EA	24" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,820.52	1,273.05
		For Class 52 Rating, Deduct	*-1,638.08*	
		For Class 54 Rating, Add	*2,256.90*	
		For Class 55 Rating, Add	*3,367.13*	
		For Class 56 Rating, Add	*4,462.48*	
40 05 19 00-0385	EA	24" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,226.88	1,277.07
		For Class 52 Rating, Deduct	*-1,682.11*	
		For Class 54 Rating, Add	*2,317.01*	
		For Class 55 Rating, Add	*3,456.54*	
		For Class 56 Rating, Add	*4,580.77*	
40 05 19 00-0386	EA	24" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,633.26	1,281.10
		For Class 52 Rating, Deduct	*-1,726.14*	
		For Class 54 Rating, Add	*2,377.12*	
		For Class 55 Rating, Add	*3,545.94*	
		For Class 56 Rating, Add	*4,699.07*	
40 05 19 00-0387	EA	24" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,039.62	1,285.13
		For Class 52 Rating, Deduct	*-1,770.17*	
		For Class 54 Rating, Add	*2,437.23*	
		For Class 55 Rating, Add	*3,635.35*	
		For Class 56 Rating, Add	*4,817.37*	
40 05 19 00-0388	EA	24" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,445.98	1,289.16
		For Class 52 Rating, Deduct	*-1,814.20*	
		For Class 54 Rating, Add	*2,497.35*	
		For Class 55 Rating, Add	*3,724.75*	
		For Class 56 Rating, Add	*4,935.67*	
40 05 19 00-0389	EA	24" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,956.13	1,361.67
		For Class 52 Rating, Deduct	*-1,858.23*	
		For Class 54 Rating, Add	*2,558.70*	
		For Class 55 Rating, Add	*3,816.65*	
		For Class 56 Rating, Add	*5,057.70*	
40 05 19 00-0390	EA	24" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,362.49	1,365.71
		For Class 52 Rating, Deduct	*-1,902.26*	
		For Class 54 Rating, Add	*2,618.82*	
		For Class 55 Rating, Add	*3,906.05*	
		For Class 56 Rating, Add	*5,176.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0391	EA	24" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,768.85	1,369.74
		For Class 52 Rating, Deduct	*-1,946.29*	
		For Class 54 Rating, Add	*2,678.93*	
		For Class 55 Rating, Add	*3,995.46*	
		For Class 56 Rating, Add	*5,294.30*	
40 05 19 00-0392	EA	24" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,175.23	1,373.77
		For Class 52 Rating, Deduct	*-1,990.31*	
		For Class 54 Rating, Add	*2,739.04*	
		For Class 55 Rating, Add	*4,084.87*	
		For Class 56 Rating, Add	*5,412.59*	
40 05 19 00-0393	EA	24" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,581.60	1,377.79
		For Class 52 Rating, Deduct	*-2,034.34*	
		For Class 54 Rating, Add	*2,799.16*	
		For Class 55 Rating, Add	*4,174.27*	
		For Class 56 Rating, Add	*5,530.89*	
40 05 19 00-0394	EA	24" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,987.95	1,381.82
		For Class 52 Rating, Deduct	*-2,078.37*	
		For Class 54 Rating, Add	*2,859.27*	
		For Class 55 Rating, Add	*4,263.67*	
		For Class 56 Rating, Add	*5,649.19*	
40 05 19 00-0395	EA	24" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,394.33	1,385.85
		For Class 52 Rating, Deduct	*-2,122.40*	
		For Class 54 Rating, Add	*2,919.38*	
		For Class 55 Rating, Add	*4,353.08*	
		For Class 56 Rating, Add	*5,767.49*	
40 05 19 00-0396	EA	24" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,800.70	1,389.88
		For Class 52 Rating, Deduct	*-2,166.43*	
		For Class 54 Rating, Add	*2,979.49*	
		For Class 55 Rating, Add	*4,442.49*	
		For Class 56 Rating, Add	*5,885.78*	
40 05 19 00-0397	EA	24" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,207.06	1,393.90
		For Class 52 Rating, Deduct	*-2,210.46*	
		For Class 54 Rating, Add	*3,039.61*	
		For Class 55 Rating, Add	*4,531.89*	
		For Class 56 Rating, Add	*6,004.08*	

40 05 19 00-0398 30" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0399	EA	30" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,918.02	1,659.79
		For Class 52 Rating, Deduct	*-924.35*	
		For Class 54 Rating, Add	*1,290.66*	
		For Class 55 Rating, Add	*1,934.27*	
		For Class 56 Rating, Add	*2,569.47*	
40 05 19 00-0400	EA	30" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,502.29	1,663.83
		For Class 52 Rating, Deduct	*-987.95*	
		For Class 54 Rating, Add	*1,377.45*	
		For Class 55 Rating, Add	*2,063.34*	
		For Class 56 Rating, Add	*2,740.25*	
40 05 19 00-0401	EA	30" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,086.55	1,667.86
		For Class 52 Rating, Deduct	*-1,051.55*	
		For Class 54 Rating, Add	*1,464.25*	
		For Class 55 Rating, Add	*2,192.42*	
		For Class 56 Rating, Add	*2,911.03*	
40 05 19 00-0402	EA	30" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,670.81	1,671.88
		For Class 52 Rating, Deduct	*-1,115.14*	
		For Class 54 Rating, Add	*1,551.05*	
		For Class 55 Rating, Add	*2,321.49*	
		For Class 56 Rating, Add	*3,081.80*	
40 05 19 00-0403	EA	30" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,255.08	1,675.91
		For Class 52 Rating, Deduct	*-1,178.74*	
		For Class 54 Rating, Add	*1,637.84*	
		For Class 55 Rating, Add	*2,450.57*	
		For Class 56 Rating, Add	*3,252.58*	
40 05 19 00-0404	EA	30" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,839.33	1,679.94
		For Class 52 Rating, Deduct	*-1,242.34*	
		For Class 54 Rating, Add	*1,724.64*	
		For Class 55 Rating, Add	*2,579.64*	
		For Class 56 Rating, Add	*3,423.35*	
40 05 19 00-0405	EA	30" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,423.60	1,683.97
		For Class 52 Rating, Deduct	*-1,305.93*	
		For Class 54 Rating, Add	*1,811.44*	
		For Class 55 Rating, Add	*2,708.72*	
		For Class 56 Rating, Add	*3,594.13*	
40 05 19 00-0406	EA	30" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,007.86	1,687.99
		For Class 52 Rating, Deduct	*-1,369.53*	
		For Class 54 Rating, Add	*1,898.23*	
		For Class 55 Rating, Add	*2,837.80*	
		For Class 56 Rating, Add	*3,764.91*	
40 05 19 00-0407	EA	30" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,592.12	1,692.02
		For Class 52 Rating, Deduct	*-1,433.13*	
		For Class 54 Rating, Add	*1,985.03*	
		For Class 55 Rating, Add	*2,966.87*	
		For Class 56 Rating, Add	*3,935.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0408	EA	30" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,176.39	1,696.05
		For Class 52 Rating, Deduct	*-1,496.73*	
		For Class 54 Rating, Add	*2,071.83*	
		For Class 55 Rating, Add	*3,095.95*	
		For Class 56 Rating, Add	*4,106.46*	
40 05 19 00-0409	EA	30" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,760.65	1,700.08
		For Class 52 Rating, Deduct	*-1,560.32*	
		For Class 54 Rating, Add	*2,158.62*	
		For Class 55 Rating, Add	*3,225.02*	
		For Class 56 Rating, Add	*4,277.24*	
40 05 19 00-0410	EA	30" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,344.90	1,704.11
		For Class 52 Rating, Deduct	*-1,623.92*	
		For Class 54 Rating, Add	*2,245.42*	
		For Class 55 Rating, Add	*3,354.10*	
		For Class 56 Rating, Add	*4,448.01*	
40 05 19 00-0411	EA	30" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,929.17	1,708.14
		For Class 52 Rating, Deduct	*-1,687.52*	
		For Class 54 Rating, Add	*2,332.22*	
		For Class 55 Rating, Add	*3,483.18*	
		For Class 56 Rating, Add	*4,618.79*	
40 05 19 00-0412	EA	30" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,513.43	1,712.17
		For Class 52 Rating, Deduct	*-1,751.12*	
		For Class 54 Rating, Add	*2,419.02*	
		For Class 55 Rating, Add	*3,612.25*	
		For Class 56 Rating, Add	*4,789.57*	
40 05 19 00-0413	EA	30" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,097.69	1,716.20
		For Class 52 Rating, Deduct	*-1,814.71*	
		For Class 54 Rating, Add	*2,505.81*	
		For Class 55 Rating, Add	*3,741.33*	
		For Class 56 Rating, Add	*4,960.34*	
40 05 19 00-0414	EA	30" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,681.95	1,720.22
		For Class 52 Rating, Deduct	*-1,878.31*	
		For Class 54 Rating, Add	*2,592.61*	
		For Class 55 Rating, Add	*3,870.40*	
		For Class 56 Rating, Add	*5,131.12*	
40 05 19 00-0415	EA	30" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,266.21	1,724.25
		For Class 52 Rating, Deduct	*-1,941.91*	
		For Class 54 Rating, Add	*2,679.41*	
		For Class 55 Rating, Add	*3,999.48*	
		For Class 56 Rating, Add	*5,301.89*	
40 05 19 00-0416	EA	30" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,850.48	1,728.28
		For Class 52 Rating, Deduct	*-2,005.51*	
		For Class 54 Rating, Add	*2,766.20*	
		For Class 55 Rating, Add	*4,128.55*	
		For Class 56 Rating, Add	*5,472.67*	
40 05 19 00-0417	EA	30" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,434.75	1,732.31
		For Class 52 Rating, Deduct	*-2,069.10*	
		For Class 54 Rating, Add	*2,853.00*	
		For Class 55 Rating, Add	*4,257.63*	
		For Class 56 Rating, Add	*5,643.45*	
40 05 19 00-0418	EA	30" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,018.99	1,736.34
		For Class 52 Rating, Deduct	*-2,132.70*	
		For Class 54 Rating, Add	*2,939.80*	
		For Class 55 Rating, Add	*4,386.70*	
		For Class 56 Rating, Add	*5,814.22*	
40 05 19 00-0419	EA	30" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,603.26	1,740.37
		For Class 52 Rating, Deduct	*-2,196.30*	
		For Class 54 Rating, Add	*3,026.59*	
		For Class 55 Rating, Add	*4,515.78*	
		For Class 56 Rating, Add	*5,985.00*	
40 05 19 00-0420	EA	30" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,187.53	1,744.40
		For Class 52 Rating, Deduct	*-2,259.90*	
		For Class 54 Rating, Add	*3,113.39*	
		For Class 55 Rating, Add	*4,644.86*	
		For Class 56 Rating, Add	*6,155.78*	
40 05 19 00-0421	EA	30" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,771.79	1,748.43
		For Class 52 Rating, Deduct	*-2,323.49*	
		For Class 54 Rating, Add	*3,200.19*	
		For Class 55 Rating, Add	*4,773.93*	
		For Class 56 Rating, Add	*6,326.55*	
40 05 19 00-0422	EA	30" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,356.05	1,752.46
		For Class 52 Rating, Deduct	*-2,387.09*	
		For Class 54 Rating, Add	*3,286.99*	
		For Class 55 Rating, Add	*4,903.01*	
		For Class 56 Rating, Add	*6,497.33*	
40 05 19 00-0423	EA	30" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,937.97	1,756.48
		For Class 52 Rating, Deduct	*-2,450.43*	
		For Class 54 Rating, Add	*3,373.43*	
		For Class 55 Rating, Add	*5,031.56*	
		For Class 56 Rating, Add	*6,667.41*	
40 05 19 00-0424	EA	30" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,524.57	1,760.51
		For Class 52 Rating, Deduct	*-2,514.28*	
		For Class 54 Rating, Add	*3,460.58*	
		For Class 55 Rating, Add	*5,161.16*	
		For Class 56 Rating, Add	*6,838.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0425	EA	30" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,108.84	1,764.54
		For Class 52 Rating, Deduct	*-2,577.88*	
		For Class 54 Rating, Add	*3,547.38*	
		For Class 55 Rating, Add	*5,290.23*	
		For Class 56 Rating, Add	*7,009.66*	
40 05 19 00-0426	EA	30" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,693.10	1,768.57
		For Class 52 Rating, Deduct	*-2,641.48*	
		For Class 54 Rating, Add	*3,634.17*	
		For Class 55 Rating, Add	*5,419.31*	
		For Class 56 Rating, Add	*7,180.44*	
40 05 19 00-0427	EA	30" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,277.35	1,772.59
		For Class 52 Rating, Deduct	*-2,705.08*	
		For Class 54 Rating, Add	*3,720.97*	
		For Class 55 Rating, Add	*5,548.38*	
		For Class 56 Rating, Add	*7,351.21*	
40 05 19 00-0428	EA	30" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,861.62	1,776.63
		For Class 52 Rating, Deduct	*-2,768.67*	
		For Class 54 Rating, Add	*3,807.77*	
		For Class 55 Rating, Add	*5,677.46*	
		For Class 56 Rating, Add	*7,521.99*	
40 05 19 00-0429	EA	30" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,445.88	1,780.66
		For Class 52 Rating, Deduct	*-2,832.27*	
		For Class 54 Rating, Add	*3,894.56*	
		For Class 55 Rating, Add	*5,806.54*	
		For Class 56 Rating, Add	*7,692.76*	
40 05 19 00-0430	EA	30" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,030.14	1,784.69
		For Class 52 Rating, Deduct	*-2,895.87*	
		For Class 54 Rating, Add	*3,981.36*	
		For Class 55 Rating, Add	*5,935.61*	
		For Class 56 Rating, Add	*7,863.54*	
40 05 19 00-0431	EA	30" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,614.41	1,788.71
		For Class 52 Rating, Deduct	*-2,959.47*	
		For Class 54 Rating, Add	*4,068.16*	
		For Class 55 Rating, Add	*6,064.69*	
		For Class 56 Rating, Add	*8,034.32*	
40 05 19 00-0432	EA	30" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,198.66	1,792.74
		For Class 52 Rating, Deduct	*-3,023.06*	
		For Class 54 Rating, Add	*4,154.95*	
		For Class 55 Rating, Add	*6,193.76*	
		For Class 56 Rating, Add	*8,205.09*	
40 05 19 00-0433	EA	30" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,782.93	1,796.77
		For Class 52 Rating, Deduct	*-3,086.66*	
		For Class 54 Rating, Add	*4,241.75*	
		For Class 55 Rating, Add	*6,322.84*	
		For Class 56 Rating, Add	*8,375.87*	
40 05 19 00-0434	EA	30" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,367.19	1,800.80
		For Class 52 Rating, Deduct	*-3,150.26*	
		For Class 54 Rating, Add	*4,328.55*	
		For Class 55 Rating, Add	*6,451.92*	
		For Class 56 Rating, Add	*8,546.64*	
40 05 19 00-0435	EA	30" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,951.45	1,804.82
		For Class 52 Rating, Deduct	*-3,213.86*	
		For Class 54 Rating, Add	*4,415.35*	
		For Class 55 Rating, Add	*6,580.99*	
		For Class 56 Rating, Add	*8,717.42*	
40 05 19 00-0436	EA	30" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,535.71	1,808.85
		For Class 52 Rating, Deduct	*-3,277.45*	
		For Class 54 Rating, Add	*4,502.14*	
		For Class 55 Rating, Add	*6,710.07*	
		For Class 56 Rating, Add	*8,888.20*	

40 05 19 00-0437 36" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0438	EA	36" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,210.56	2,102.94
		For Class 52 Rating, Deduct	*-1,322.67*	
		For Class 54 Rating, Add	*1,841.88*	
		For Class 55 Rating, Add	*2,757.89*	
		For Class 56 Rating, Add	*3,661.87*	
40 05 19 00-0439	EA	36" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,003.14	2,106.97
		For Class 52 Rating, Deduct	*-1,409.18*	
		For Class 54 Rating, Add	*1,959.92*	
		For Class 55 Rating, Add	*2,933.42*	
		For Class 56 Rating, Add	*3,894.10*	
40 05 19 00-0440	EA	36" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,795.73	2,111.00
		For Class 52 Rating, Deduct	*-1,495.70*	
		For Class 54 Rating, Add	*2,077.97*	
		For Class 55 Rating, Add	*3,108.95*	
		For Class 56 Rating, Add	*4,126.33*	
40 05 19 00-0441	EA	36" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,588.31	2,115.04
		For Class 52 Rating, Deduct	*-1,582.21*	
		For Class 54 Rating, Add	*2,196.01*	
		For Class 55 Rating, Add	*3,284.48*	
		For Class 56 Rating, Add	*4,358.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0442	EA	36" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,380.91	2,119.06
		For Class 52 Rating, Deduct	*-1,668.72*	
		For Class 54 Rating, Add	*2,314.06*	
		For Class 55 Rating, Add	*3,460.01*	
		For Class 56 Rating, Add	*4,590.80*	
40 05 19 00-0443	EA	36" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,173.49	2,123.09
		For Class 52 Rating, Deduct	*-1,755.24*	
		For Class 54 Rating, Add	*2,432.11*	
		For Class 55 Rating, Add	*3,635.55*	
		For Class 56 Rating, Add	*4,823.03*	
40 05 19 00-0444	EA	36" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,966.07	2,127.12
		For Class 52 Rating, Deduct	*-1,841.75*	
		For Class 54 Rating, Add	*2,550.15*	
		For Class 55 Rating, Add	*3,811.08*	
		For Class 56 Rating, Add	*5,055.26*	
40 05 19 00-0445	EA	36" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,758.66	2,131.15
		For Class 52 Rating, Deduct	*-1,928.26*	
		For Class 54 Rating, Add	*2,668.20*	
		For Class 55 Rating, Add	*3,986.61*	
		For Class 56 Rating, Add	*5,287.49*	
40 05 19 00-0446	EA	36" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,551.25	2,135.17
		For Class 52 Rating, Deduct	*-2,014.77*	
		For Class 54 Rating, Add	*2,786.24*	
		For Class 55 Rating, Add	*4,162.14*	
		For Class 56 Rating, Add	*5,519.72*	
40 05 19 00-0447	EA	36" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,343.83	2,139.20
		For Class 52 Rating, Deduct	*-2,101.29*	
		For Class 54 Rating, Add	*2,904.29*	
		For Class 55 Rating, Add	*4,337.67*	
		For Class 56 Rating, Add	*5,751.96*	
40 05 19 00-0448	EA	36" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,136.42	2,143.23
		For Class 52 Rating, Deduct	*-2,187.80*	
		For Class 54 Rating, Add	*3,022.33*	
		For Class 55 Rating, Add	*4,513.20*	
		For Class 56 Rating, Add	*5,984.19*	
40 05 19 00-0449	EA	36" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,929.00	2,147.26
		For Class 52 Rating, Deduct	*-2,274.31*	
		For Class 54 Rating, Add	*3,140.38*	
		For Class 55 Rating, Add	*4,688.74*	
		For Class 56 Rating, Add	*6,216.42*	
40 05 19 00-0450	EA	36" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,721.59	2,151.29
		For Class 52 Rating, Deduct	*-2,360.83*	
		For Class 54 Rating, Add	*3,258.42*	
		For Class 55 Rating, Add	*4,864.27*	
		For Class 56 Rating, Add	*6,448.65*	
40 05 19 00-0451	EA	36" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,514.17	2,155.32
		For Class 52 Rating, Deduct	*-2,447.34*	
		For Class 54 Rating, Add	*3,376.47*	
		For Class 55 Rating, Add	*5,039.80*	
		For Class 56 Rating, Add	*6,680.88*	
40 05 19 00-0452	EA	36" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,306.76	2,159.35
		For Class 52 Rating, Deduct	*-2,533.85*	
		For Class 54 Rating, Add	*3,494.52*	
		For Class 55 Rating, Add	*5,215.33*	
		For Class 56 Rating, Add	*6,913.12*	
40 05 19 00-0453	EA	36" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,099.35	2,163.38
		For Class 52 Rating, Deduct	*-2,620.37*	
		For Class 54 Rating, Add	*3,612.56*	
		For Class 55 Rating, Add	*5,390.86*	
		For Class 56 Rating, Add	*7,145.35*	
40 05 19 00-0454	EA	36" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,891.94	2,167.40
		For Class 52 Rating, Deduct	*-2,706.88*	
		For Class 54 Rating, Add	*3,730.61*	
		For Class 55 Rating, Add	*5,566.40*	
		For Class 56 Rating, Add	*7,377.58*	
40 05 19 00-0455	EA	36" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,684.51	2,171.43
		For Class 52 Rating, Deduct	*-2,793.39*	
		For Class 54 Rating, Add	*3,848.65*	
		For Class 55 Rating, Add	*5,741.93*	
		For Class 56 Rating, Add	*7,609.81*	
40 05 19 00-0456	EA	36" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,477.10	2,175.46
		For Class 52 Rating, Deduct	*-2,879.90*	
		For Class 54 Rating, Add	*3,966.70*	
		For Class 55 Rating, Add	*5,917.46*	
		For Class 56 Rating, Add	*7,842.04*	
40 05 19 00-0457	EA	36" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,269.70	2,179.49
		For Class 52 Rating, Deduct	*-2,966.42*	
		For Class 54 Rating, Add	*4,084.74*	
		For Class 55 Rating, Add	*6,092.99*	
		For Class 56 Rating, Add	*8,074.28*	
40 05 19 00-0458	EA	36" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,062.28	2,183.51
		For Class 52 Rating, Deduct	*-3,052.93*	
		For Class 54 Rating, Add	*4,202.79*	
		For Class 55 Rating, Add	*6,268.52*	
		For Class 56 Rating, Add	*8,306.51*	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0459	EA	36" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,854.86	2,187.55
		For Class 52 Rating, Deduct	*-3,139.44*	
		For Class 54 Rating, Add	*4,320.83*	
		For Class 55 Rating, Add	*6,444.06*	
		For Class 56 Rating, Add	*8,538.74*	
40 05 19 00-0460	EA	36" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,647.45	2,191.58
		For Class 52 Rating, Deduct	*-3,225.96*	
		For Class 54 Rating, Add	*4,438.88*	
		For Class 55 Rating, Add	*6,619.59*	
		For Class 56 Rating, Add	*8,770.97*	
40 05 19 00-0461	EA	36" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,440.03	2,195.61
		For Class 52 Rating, Deduct	*-3,312.47*	
		For Class 54 Rating, Add	*4,556.92*	
		For Class 55 Rating, Add	*6,795.12*	
		For Class 56 Rating, Add	*9,003.20*	
40 05 19 00-0462	EA	36" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,232.62	2,199.63
		For Class 52 Rating, Deduct	*-3,398.98*	
		For Class 54 Rating, Add	*4,674.97*	
		For Class 55 Rating, Add	*6,970.65*	
		For Class 56 Rating, Add	*9,235.43*	
40 05 19 00-0463	EA	36" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,025.21	2,203.66
		For Class 52 Rating, Deduct	*-3,485.50*	
		For Class 54 Rating, Add	*4,793.02*	
		For Class 55 Rating, Add	*7,146.18*	
		For Class 56 Rating, Add	*9,467.67*	
40 05 19 00-0464	EA	36" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,817.79	2,207.69
		For Class 52 Rating, Deduct	*-3,572.01*	
		For Class 54 Rating, Add	*4,911.06*	
		For Class 55 Rating, Add	*7,321.72*	
		For Class 56 Rating, Add	*9,699.90*	
40 05 19 00-0465	EA	36" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,610.38	2,211.72
		For Class 52 Rating, Deduct	*-3,658.52*	
		For Class 54 Rating, Add	*5,029.11*	
		For Class 55 Rating, Add	*7,497.25*	
		For Class 56 Rating, Add	*9,932.13*	
40 05 19 00-0466	EA	36" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,402.96	2,215.74
		For Class 52 Rating, Deduct	*-3,745.03*	
		For Class 54 Rating, Add	*5,147.15*	
		For Class 55 Rating, Add	*7,672.78*	
		For Class 56 Rating, Add	*10,164.36*	
40 05 19 00-0467	EA	36" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,195.54	2,219.77
		For Class 52 Rating, Deduct	*-3,831.55*	
		For Class 54 Rating, Add	*5,265.20*	
		For Class 55 Rating, Add	*7,848.31*	
		For Class 56 Rating, Add	*10,396.59*	
40 05 19 00-0468	EA	36" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,988.14	2,223.81
		For Class 52 Rating, Deduct	*-3,918.06*	
		For Class 54 Rating, Add	*5,383.24*	
		For Class 55 Rating, Add	*8,023.84*	
		For Class 56 Rating, Add	*10,628.83*	
40 05 19 00-0469	EA	36" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,780.72	2,227.84
		For Class 52 Rating, Deduct	*-4,004.57*	
		For Class 54 Rating, Add	*5,501.29*	
		For Class 55 Rating, Add	*8,199.38*	
		For Class 56 Rating, Add	*10,861.06*	
40 05 19 00-0470	EA	36" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	40,573.31	2,231.86
		For Class 52 Rating, Deduct	*-4,091.09*	
		For Class 54 Rating, Add	*5,619.33*	
		For Class 55 Rating, Add	*8,374.91*	
		For Class 56 Rating, Add	*11,093.29*	
40 05 19 00-0471	EA	36" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	41,365.89	2,235.89
		For Class 52 Rating, Deduct	*-4,177.60*	
		For Class 54 Rating, Add	*5,737.38*	
		For Class 55 Rating, Add	*8,550.44*	
		For Class 56 Rating, Add	*11,325.52*	
40 05 19 00-0472	EA	36" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	42,158.47	2,239.92
		For Class 52 Rating, Deduct	*-4,264.11*	
		For Class 54 Rating, Add	*5,855.42*	
		For Class 55 Rating, Add	*8,725.97*	
		For Class 56 Rating, Add	*11,557.75*	
40 05 19 00-0473	EA	36" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	42,951.07	2,243.95
		For Class 52 Rating, Deduct	*-4,350.63*	
		For Class 54 Rating, Add	*5,973.47*	
		For Class 55 Rating, Add	*8,901.50*	
		For Class 56 Rating, Add	*11,789.99*	
40 05 19 00-0474	EA	36" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	43,743.66	2,247.97
		For Class 52 Rating, Deduct	*-4,437.14*	
		For Class 54 Rating, Add	*6,091.52*	
		For Class 55 Rating, Add	*9,077.04*	
		For Class 56 Rating, Add	*12,022.22*	
40 05 19 00-0475	EA	36" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	44,536.23	2,252.00
		For Class 52 Rating, Deduct	*-4,523.65*	
		For Class 54 Rating, Add	*6,209.56*	
		For Class 55 Rating, Add	*9,252.57*	
		For Class 56 Rating, Add	*12,254.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0476		42" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*		
40 05 19 00-0477	EA	42" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,057.37	2,650.84
		For Class 52 Rating, Deduct	*-1,764.50*	
		For Class 54 Rating, Add	*2,454.34*	
		For Class 55 Rating, Add	*3,673.53*	
		For Class 56 Rating, Add	*4,876.67*	
40 05 19 00-0478	EA	42" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,238.53	2,654.87
		For Class 52 Rating, Deduct	*-1,893.76*	
		For Class 54 Rating, Add	*2,630.67*	
		For Class 55 Rating, Add	*3,935.71*	
		For Class 56 Rating, Add	*5,223.53*	
40 05 19 00-0479	EA	42" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,405.62	2,658.89
		For Class 52 Rating, Deduct	*-2,021.47*	
		For Class 54 Rating, Add	*2,804.89*	
		For Class 55 Rating, Add	*4,194.76*	
		For Class 56 Rating, Add	*5,566.24*	
40 05 19 00-0480	EA	42" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,584.42	2,662.92
		For Class 52 Rating, Deduct	*-2,150.47*	
		For Class 54 Rating, Add	*2,980.87*	
		For Class 55 Rating, Add	*4,456.41*	
		For Class 56 Rating, Add	*5,912.41*	
40 05 19 00-0481	EA	42" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,751.53	2,666.95
		For Class 52 Rating, Deduct	*-2,278.18*	
		For Class 54 Rating, Add	*3,155.09*	
		For Class 55 Rating, Add	*4,715.46*	
		For Class 56 Rating, Add	*6,255.12*	
40 05 19 00-0482	EA	42" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,932.68	2,670.98
		For Class 52 Rating, Deduct	*-2,407.43*	
		For Class 54 Rating, Add	*3,331.42*	
		For Class 55 Rating, Add	*4,977.64*	
		For Class 56 Rating, Add	*6,601.98*	
40 05 19 00-0483	EA	42" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,097.43	2,675.02
		For Class 52 Rating, Deduct	*-2,534.88*	
		For Class 54 Rating, Add	*3,505.29*	
		For Class 55 Rating, Add	*5,236.17*	
		For Class 56 Rating, Add	*6,944.00*	
40 05 19 00-0484	EA	42" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,278.58	2,679.04
		For Class 52 Rating, Deduct	*-2,664.14*	
		For Class 54 Rating, Add	*3,681.62*	
		For Class 55 Rating, Add	*5,498.35*	
		For Class 56 Rating, Add	*7,290.86*	
40 05 19 00-0485	EA	42" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,445.69	2,683.07
		For Class 52 Rating, Deduct	*-2,791.85*	
		For Class 54 Rating, Add	*3,855.85*	
		For Class 55 Rating, Add	*5,757.40*	
		For Class 56 Rating, Add	*7,633.58*	
40 05 19 00-0486	EA	42" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,624.49	2,687.10
		For Class 52 Rating, Deduct	*-2,920.84*	
		For Class 54 Rating, Add	*4,031.83*	
		For Class 55 Rating, Add	*6,019.06*	
		For Class 56 Rating, Add	*7,979.74*	
40 05 19 00-0487	EA	42" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,791.58	2,691.13
		For Class 52 Rating, Deduct	*-3,048.55*	
		For Class 54 Rating, Add	*4,206.05*	
		For Class 55 Rating, Add	*6,278.11*	
		For Class 56 Rating, Add	*8,322.45*	
40 05 19 00-0488	EA	42" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,970.40	2,695.15
		For Class 52 Rating, Deduct	*-3,177.55*	
		For Class 54 Rating, Add	*4,382.03*	
		For Class 55 Rating, Add	*6,539.77*	
		For Class 56 Rating, Add	*8,668.62*	
40 05 19 00-0489	EA	42" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,137.49	2,699.18
		For Class 52 Rating, Deduct	*-3,305.26*	
		For Class 54 Rating, Add	*4,556.25*	
		For Class 55 Rating, Add	*6,798.82*	
		For Class 56 Rating, Add	*9,011.34*	
40 05 19 00-0490	EA	42" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,306.94	2,703.21
		For Class 52 Rating, Deduct	*-3,433.23*	
		For Class 54 Rating, Add	*4,730.82*	
		For Class 55 Rating, Add	*7,058.39*	
		For Class 56 Rating, Add	*9,354.74*	
40 05 19 00-0491	EA	42" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,483.40	2,707.24
		For Class 52 Rating, Deduct	*-3,561.97*	
		For Class 54 Rating, Add	*4,906.45*	
		For Class 55 Rating, Add	*7,319.52*	
		For Class 56 Rating, Add	*9,700.22*	
40 05 19 00-0492	EA	42" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,650.50	2,711.27
		For Class 52 Rating, Deduct	*-3,689.68*	
		For Class 54 Rating, Add	*5,080.67*	
		For Class 55 Rating, Add	*7,578.57*	
		For Class 56 Rating, Add	*10,042.93*	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0493	EA	42" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,831.65	2,715.30
		For Class 52 Rating, Deduct	*-3,818.93*	
		For Class 54 Rating, Add	*5,257.00*	
		For Class 55 Rating, Add	*7,840.75*	
		For Class 56 Rating, Add	*10,389.79*	
40 05 19 00-0494	EA	42" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,998.76	2,719.33
		For Class 52 Rating, Deduct	*-3,946.64*	
		For Class 54 Rating, Add	*5,431.23*	
		For Class 55 Rating, Add	*8,099.80*	
		For Class 56 Rating, Add	*10,732.50*	
40 05 19 00-0495	EA	42" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	41,177.55	2,723.36
		For Class 52 Rating, Deduct	*-4,075.64*	
		For Class 54 Rating, Add	*5,607.20*	
		For Class 55 Rating, Add	*8,361.46*	
		For Class 56 Rating, Add	*11,078.67*	
40 05 19 00-0496	EA	42" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	42,344.65	2,727.38
		For Class 52 Rating, Deduct	*-4,203.35*	
		For Class 54 Rating, Add	*5,781.43*	
		For Class 55 Rating, Add	*8,620.51*	
		For Class 56 Rating, Add	*11,421.38*	
40 05 19 00-0497	EA	42" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	43,525.80	2,731.41
		For Class 52 Rating, Deduct	*-4,332.60*	
		For Class 54 Rating, Add	*5,957.76*	
		For Class 55 Rating, Add	*8,882.69*	
		For Class 56 Rating, Add	*11,768.24*	
40 05 19 00-0498	EA	42" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	44,692.90	2,735.44
		For Class 52 Rating, Deduct	*-4,460.31*	
		For Class 54 Rating, Add	*6,131.98*	
		For Class 55 Rating, Add	*9,141.74*	
		For Class 56 Rating, Add	*12,110.95*	
40 05 19 00-0499	EA	42" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	45,871.70	2,739.47
		For Class 52 Rating, Deduct	*-4,589.31*	
		For Class 54 Rating, Add	*6,307.96*	
		For Class 55 Rating, Add	*9,403.40*	
		For Class 56 Rating, Add	*12,457.12*	
40 05 19 00-0500	EA	42" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	47,038.80	2,743.49
		For Class 52 Rating, Deduct	*-4,717.02*	
		For Class 54 Rating, Add	*6,482.18*	
		For Class 55 Rating, Add	*9,662.45*	
		For Class 56 Rating, Add	*12,799.83*	
40 05 19 00-0501	EA	42" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	48,219.95	2,747.53
		For Class 52 Rating, Deduct	*-4,846.27*	
		For Class 54 Rating, Add	*6,658.51*	
		For Class 55 Rating, Add	*9,924.63*	
		For Class 56 Rating, Add	*13,146.69*	
40 05 19 00-0502	EA	42" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	49,387.06	2,751.56
		For Class 52 Rating, Deduct	*-4,973.98*	
		For Class 54 Rating, Add	*6,832.73*	
		For Class 55 Rating, Add	*10,183.68*	
		For Class 56 Rating, Add	*13,489.40*	
40 05 19 00-0503	EA	42" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	50,563.51	2,755.59
		For Class 52 Rating, Deduct	*-5,102.72*	
		For Class 54 Rating, Add	*7,008.36*	
		For Class 55 Rating, Add	*10,444.81*	
		For Class 56 Rating, Add	*13,834.88*	
40 05 19 00-0504	EA	42" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	51,732.96	2,759.61
		For Class 52 Rating, Deduct	*-5,230.69*	
		For Class 54 Rating, Add	*7,182.93*	
		For Class 55 Rating, Add	*10,704.39*	
		For Class 56 Rating, Add	*14,178.28*	
40 05 19 00-0505	EA	42" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	52,665.99	2,763.64
		For Class 52 Rating, Deduct	*-5,332.65*	
		For Class 54 Rating, Add	*7,322.05*	
		For Class 55 Rating, Add	*10,911.24*	
		For Class 56 Rating, Add	*14,451.95*	
40 05 19 00-0506	EA	42" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	54,078.86	2,767.67
		For Class 52 Rating, Deduct	*-5,487.40*	
		For Class 54 Rating, Add	*7,533.13*	
		For Class 55 Rating, Add	*11,225.09*	
		For Class 56 Rating, Add	*14,867.16*	
40 05 19 00-0507	EA	42" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	55,245.96	2,771.70
		For Class 52 Rating, Deduct	*-5,615.11*	
		For Class 54 Rating, Add	*7,707.36*	
		For Class 55 Rating, Add	*11,484.14*	
		For Class 56 Rating, Add	*15,209.88*	
40 05 19 00-0508	EA	42" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	56,424.77	2,775.72
		For Class 52 Rating, Deduct	*-5,744.10*	
		For Class 54 Rating, Add	*7,883.34*	
		For Class 55 Rating, Add	*11,745.80*	
		For Class 56 Rating, Add	*15,556.04*	
40 05 19 00-0509	EA	42" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	57,591.87	2,779.75
		For Class 52 Rating, Deduct	*-5,871.81*	
		For Class 54 Rating, Add	*8,057.56*	
		For Class 55 Rating, Add	*12,004.85*	
		For Class 56 Rating, Add	*15,898.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0510	EA	42" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	58,773.02	2,783.78
		For Class 52 Rating, Deduct	*-6,001.07*	
		For Class 54 Rating, Add	*8,233.89*	
		For Class 55 Rating, Add	*12,267.03*	
		For Class 56 Rating, Add	*16,245.62*	
40 05 19 00-0511	EA	42" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	59,937.78	2,787.82
		For Class 52 Rating, Deduct	*-6,128.52*	
		For Class 54 Rating, Add	*8,407.76*	
		For Class 55 Rating, Add	*12,525.56*	
		For Class 56 Rating, Add	*16,587.64*	
40 05 19 00-0512	EA	42" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	61,118.92	2,791.84
		For Class 52 Rating, Deduct	*-6,257.77*	
		For Class 54 Rating, Add	*8,584.09*	
		For Class 55 Rating, Add	*12,787.74*	
		For Class 56 Rating, Add	*16,934.50*	
40 05 19 00-0513	EA	42" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	62,286.03	2,795.87
		For Class 52 Rating, Deduct	*-6,385.48*	
		For Class 54 Rating, Add	*8,758.31*	
		For Class 55 Rating, Add	*13,046.79*	
		For Class 56 Rating, Add	*17,277.21*	
40 05 19 00-0514	EA	42" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	63,464.83	2,799.90
		For Class 52 Rating, Deduct	*-6,514.48*	
		For Class 54 Rating, Add	*8,934.29*	
		For Class 55 Rating, Add	*13,308.45*	
		For Class 56 Rating, Add	*17,623.38*	

40 05 19 00-0515 48" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0516	EA	48" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,159.47	3,331.68
		For Class 52 Rating, Deduct	*-2,212.26*	
		For Class 54 Rating, Add	*3,077.30*	
		For Class 55 Rating, Add	*4,606.01*	
		For Class 56 Rating, Add	*6,114.61*	
40 05 19 00-0517	EA	48" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,876.63	3,335.70
		For Class 52 Rating, Deduct	*-2,400.48*	
		For Class 54 Rating, Add	*3,334.03*	
		For Class 55 Rating, Add	*4,987.72*	
		For Class 56 Rating, Add	*6,619.59*	
40 05 19 00-0518	EA	48" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,591.46	3,339.73
		For Class 52 Rating, Deduct	*-2,588.44*	
		For Class 54 Rating, Add	*3,590.41*	
		For Class 55 Rating, Add	*5,368.92*	
		For Class 56 Rating, Add	*7,123.89*	
40 05 19 00-0519	EA	48" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,320.34	3,343.76
		For Class 52 Rating, Deduct	*-2,777.94*	
		For Class 54 Rating, Add	*3,848.90*	
		For Class 55 Rating, Add	*5,753.24*	
		For Class 56 Rating, Add	*7,632.33*	
40 05 19 00-0520	EA	48" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,037.51	3,347.80
		For Class 52 Rating, Deduct	*-2,966.16*	
		For Class 54 Rating, Add	*4,105.63*	
		For Class 55 Rating, Add	*6,134.95*	
		For Class 56 Rating, Add	*8,137.31*	
40 05 19 00-0521	EA	48" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,754.67	3,351.82
		For Class 52 Rating, Deduct	*-3,154.38*	
		For Class 54 Rating, Add	*4,362.37*	
		For Class 55 Rating, Add	*6,516.67*	
		For Class 56 Rating, Add	*8,642.29*	
40 05 19 00-0522	EA	48" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,481.21	3,355.85
		For Class 52 Rating, Deduct	*-3,343.62*	
		For Class 54 Rating, Add	*4,620.50*	
		For Class 55 Rating, Add	*6,900.47*	
		For Class 56 Rating, Add	*9,150.04*	
40 05 19 00-0523	EA	48" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,200.73	3,359.88
		For Class 52 Rating, Deduct	*-3,532.10*	
		For Class 54 Rating, Add	*4,877.59*	
		For Class 55 Rating, Add	*7,282.71*	
		For Class 56 Rating, Add	*9,655.72*	
40 05 19 00-0524	EA	48" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,915.55	3,363.91
		For Class 52 Rating, Deduct	*-3,720.06*	
		For Class 54 Rating, Add	*5,133.97*	
		For Class 55 Rating, Add	*7,663.90*	
		For Class 56 Rating, Add	*10,160.01*	
40 05 19 00-0525	EA	48" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	40,644.42	3,367.93
		For Class 52 Rating, Deduct	*-3,909.56*	
		For Class 54 Rating, Add	*5,392.46*	
		For Class 55 Rating, Add	*8,048.22*	
		For Class 56 Rating, Add	*10,668.45*	
40 05 19 00-0526	EA	48" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	42,361.60	3,371.96
		For Class 52 Rating, Deduct	*-4,097.78*	
		For Class 54 Rating, Add	*5,649.19*	
		For Class 55 Rating, Add	*8,429.94*	
		For Class 56 Rating, Add	*11,173.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0527	EA	48" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	44,090.47	3,375.99
		For Class 52 Rating, Deduct	*-4,287.29*	
		For Class 54 Rating, Add	*5,907.68*	
		For Class 55 Rating, Add	*8,814.26*	
		For Class 56 Rating, Add	*11,681.87*	
40 05 19 00-0528	EA	48" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	45,805.30	3,380.02
		For Class 52 Rating, Deduct	*-4,475.25*	
		For Class 54 Rating, Add	*6,164.06*	
		For Class 55 Rating, Add	*9,195.45*	
		For Class 56 Rating, Add	*12,186.16*	
40 05 19 00-0529	EA	48" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	47,522.46	3,384.05
		For Class 52 Rating, Deduct	*-4,663.46*	
		For Class 54 Rating, Add	*6,420.80*	
		For Class 55 Rating, Add	*9,577.17*	
		For Class 56 Rating, Add	*12,691.14*	
40 05 19 00-0530	EA	48" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	49,251.34	3,388.08
		For Class 52 Rating, Deduct	*-4,852.97*	
		For Class 54 Rating, Add	*6,679.28*	
		For Class 55 Rating, Add	*9,961.49*	
		For Class 56 Rating, Add	*13,199.58*	
40 05 19 00-0531	EA	48" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	50,968.52	3,392.11
		For Class 52 Rating, Deduct	*-5,041.19*	
		For Class 54 Rating, Add	*6,936.02*	
		For Class 55 Rating, Add	*10,343.21*	
		For Class 56 Rating, Add	*13,704.57*	
40 05 19 00-0532	EA	48" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	52,683.34	3,396.14
		For Class 52 Rating, Deduct	*-5,229.14*	
		For Class 54 Rating, Add	*7,192.40*	
		For Class 55 Rating, Add	*10,724.40*	
		For Class 56 Rating, Add	*14,208.86*	
40 05 19 00-0533	EA	48" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	54,412.21	3,400.16
		For Class 52 Rating, Deduct	*-5,418.65*	
		For Class 54 Rating, Add	*7,450.89*	
		For Class 55 Rating, Add	*11,108.72*	
		For Class 56 Rating, Add	*14,717.30*	
40 05 19 00-0534	EA	48" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	56,129.39	3,404.19
		For Class 52 Rating, Deduct	*-5,606.87*	
		For Class 54 Rating, Add	*7,707.62*	
		For Class 55 Rating, Add	*11,490.44*	
		For Class 56 Rating, Add	*15,222.28*	
40 05 19 00-0535	EA	48" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	57,844.21	3,408.22
		For Class 52 Rating, Deduct	*-5,794.83*	
		For Class 54 Rating, Add	*7,964.00*	
		For Class 55 Rating, Add	*11,871.63*	
		For Class 56 Rating, Add	*15,726.57*	
40 05 19 00-0536	EA	48" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	59,573.09	3,412.25
		For Class 52 Rating, Deduct	*-5,984.33*	
		For Class 54 Rating, Add	*8,222.49*	
		For Class 55 Rating, Add	*12,255.95*	
		For Class 56 Rating, Add	*16,235.01*	
40 05 19 00-0537	EA	48" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	61,292.60	3,416.27
		For Class 52 Rating, Deduct	*-6,172.81*	
		For Class 54 Rating, Add	*8,479.58*	
		For Class 55 Rating, Add	*12,638.19*	
		For Class 56 Rating, Add	*16,740.69*	
40 05 19 00-0538	EA	48" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	63,007.43	3,420.31
		For Class 52 Rating, Deduct	*-6,360.77*	
		For Class 54 Rating, Add	*8,735.96*	
		For Class 55 Rating, Add	*13,019.38*	
		For Class 56 Rating, Add	*17,244.98*	
40 05 19 00-0539	EA	48" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	64,736.31	3,424.34
		For Class 52 Rating, Deduct	*-6,550.27*	
		For Class 54 Rating, Add	*8,994.45*	
		For Class 55 Rating, Add	*13,403.71*	
		For Class 56 Rating, Add	*17,753.42*	
40 05 19 00-0540	EA	48" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	66,453.48	3,428.37
		For Class 52 Rating, Deduct	*-6,738.49*	
		For Class 54 Rating, Add	*9,251.18*	
		For Class 55 Rating, Add	*13,785.42*	
		For Class 56 Rating, Add	*18,258.40*	
40 05 19 00-0541	EA	48" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	68,168.30	3,432.39
		For Class 52 Rating, Deduct	*-6,926.45*	
		For Class 54 Rating, Add	*9,507.56*	
		For Class 55 Rating, Add	*14,166.61*	
		For Class 56 Rating, Add	*18,762.70*	
40 05 19 00-0542	EA	48" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	69,897.18	3,436.42
		For Class 52 Rating, Deduct	*-7,115.95*	
		For Class 54 Rating, Add	*9,766.05*	
		For Class 55 Rating, Add	*14,550.94*	
		For Class 56 Rating, Add	*19,271.13*	
40 05 19 00-0543	EA	48" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	71,614.35	3,440.45
		For Class 52 Rating, Deduct	*-7,304.17*	
		For Class 54 Rating, Add	*10,022.78*	
		For Class 55 Rating, Add	*14,932.65*	
		For Class 56 Rating, Add	*19,776.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0544	EA	48" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	73,120.86	3,444.48
		For Class 52 Rating, Deduct	*-7,469.21*	
		For Class 54 Rating, Add	*10,247.92*	
		For Class 55 Rating, Add	*15,267.39*	
		For Class 56 Rating, Add	*20,218.96*	
40 05 19 00-0545	EA	48" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	75,060.39	3,448.51
		For Class 52 Rating, Deduct	*-7,681.89*	
		For Class 54 Rating, Add	*10,538.01*	
		For Class 55 Rating, Add	*15,698.69*	
		For Class 56 Rating, Add	*20,789.54*	
40 05 19 00-0546	EA	48" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	76,775.22	3,452.53
		For Class 52 Rating, Deduct	*-7,869.85*	
		For Class 54 Rating, Add	*10,794.39*	
		For Class 55 Rating, Add	*16,079.88*	
		For Class 56 Rating, Add	*21,293.83*	
40 05 19 00-0547	EA	48" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	78,506.44	3,456.56
		For Class 52 Rating, Deduct	*-8,059.61*	
		For Class 54 Rating, Add	*11,053.23*	
		For Class 55 Rating, Add	*16,464.73*	
		For Class 56 Rating, Add	*21,802.96*	
40 05 19 00-0548	EA	48" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	80,221.27	3,460.60
		For Class 52 Rating, Deduct	*-8,247.57*	
		For Class 54 Rating, Add	*11,309.61*	
		For Class 55 Rating, Add	*16,845.92*	
		For Class 56 Rating, Add	*22,307.25*	
40 05 19 00-0549	EA	48" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	81,936.09	3,464.63
		For Class 52 Rating, Deduct	*-8,435.53*	
		For Class 54 Rating, Add	*11,565.99*	
		For Class 55 Rating, Add	*17,227.11*	
		For Class 56 Rating, Add	*22,811.55*	
40 05 19 00-0550	EA	48" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	83,667.31	3,468.65
		For Class 52 Rating, Deduct	*-8,625.30*	
		For Class 54 Rating, Add	*11,824.83*	
		For Class 55 Rating, Add	*17,611.96*	
		For Class 56 Rating, Add	*23,320.67*	
40 05 19 00-0551	EA	48" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	85,382.14	3,472.68
		For Class 52 Rating, Deduct	*-8,813.26*	
		For Class 54 Rating, Add	*12,081.21*	
		For Class 55 Rating, Add	*17,993.15*	
		For Class 56 Rating, Add	*23,824.97*	
40 05 19 00-0552	EA	48" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	87,099.31	3,476.71
		For Class 52 Rating, Deduct	*-9,001.47*	
		For Class 54 Rating, Add	*12,337.95*	
		For Class 55 Rating, Add	*18,374.87*	
		For Class 56 Rating, Add	*24,329.95*	
40 05 19 00-0553	EA	48" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	88,828.18	3,480.74
		For Class 52 Rating, Deduct	*-9,190.98*	
		For Class 54 Rating, Add	*12,596.44*	
		For Class 55 Rating, Add	*18,759.19*	
		For Class 56 Rating, Add	*24,838.39*	

40 05 19 00-0554 Flanged End x Grooved End (FxG), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0001)*

40 05 19 00-0555 4" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0556	EA	4" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	677.24	184.35
		For Class 52 Rating, Deduct	*-43.77*	
		For Class 54 Rating, Add	*63.04*	
		For Class 55 Rating, Add	*95.44*	
		For Class 56 Rating, Add	*127.44*	
40 05 19 00-0557	EA	4" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	742.98	187.58
		For Class 52 Rating, Deduct	*-50.47*	
		For Class 54 Rating, Add	*72.23*	
		For Class 55 Rating, Add	*109.13*	
		For Class 56 Rating, Add	*145.57*	
40 05 19 00-0558	EA	4" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	808.72	190.80
		For Class 52 Rating, Deduct	*-57.16*	
		For Class 54 Rating, Add	*81.41*	
		For Class 55 Rating, Add	*122.82*	
		For Class 56 Rating, Add	*163.70*	
40 05 19 00-0559	EA	4" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	874.47	194.02
		For Class 52 Rating, Deduct	*-63.86*	
		For Class 54 Rating, Add	*90.60*	
		For Class 55 Rating, Add	*136.51*	
		For Class 56 Rating, Add	*181.83*	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0560	EA	4" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	940.21	197.24
		For Class 52 Rating, Deduct	*-70.55*	
		For Class 54 Rating, Add	*99.79*	
		For Class 55 Rating, Add	*150.20*	
		For Class 56 Rating, Add	*199.96*	
40 05 19 00-0561	EA	4" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,005.96	200.47
		For Class 52 Rating, Deduct	*-77.24*	
		For Class 54 Rating, Add	*108.98*	
		For Class 55 Rating, Add	*163.88*	
		For Class 56 Rating, Add	*218.09*	
40 05 19 00-0562	EA	4" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,071.69	203.69
		For Class 52 Rating, Deduct	*-83.94*	
		For Class 54 Rating, Add	*118.16*	
		For Class 55 Rating, Add	*177.57*	
		For Class 56 Rating, Add	*236.22*	
40 05 19 00-0563	EA	4" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,137.44	206.91
		For Class 52 Rating, Deduct	*-90.63*	
		For Class 54 Rating, Add	*127.35*	
		For Class 55 Rating, Add	*191.26*	
		For Class 56 Rating, Add	*254.35*	
40 05 19 00-0564	EA	4" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,203.17	210.14
		For Class 52 Rating, Deduct	*-97.33*	
		For Class 54 Rating, Add	*136.54*	
		For Class 55 Rating, Add	*204.95*	
		For Class 56 Rating, Add	*272.47*	
40 05 19 00-0565	EA	4" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,268.91	213.35
		For Class 52 Rating, Deduct	*-104.02*	
		For Class 54 Rating, Add	*145.73*	
		For Class 55 Rating, Add	*218.64*	
		For Class 56 Rating, Add	*290.60*	
40 05 19 00-0566	EA	4" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,334.66	216.58
		For Class 52 Rating, Deduct	*-110.72*	
		For Class 54 Rating, Add	*154.91*	
		For Class 55 Rating, Add	*232.33*	
		For Class 56 Rating, Add	*308.73*	
40 05 19 00-0567	EA	4" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,400.40	219.81
		For Class 52 Rating, Deduct	*-117.41*	
		For Class 54 Rating, Add	*164.10*	
		For Class 55 Rating, Add	*246.02*	
		For Class 56 Rating, Add	*326.86*	
40 05 19 00-0568	EA	4" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,466.14	223.03
		For Class 52 Rating, Deduct	*-124.11*	
		For Class 54 Rating, Add	*173.29*	
		For Class 55 Rating, Add	*259.71*	
		For Class 56 Rating, Add	*344.99*	
40 05 19 00-0569	EA	4" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,531.89	226.25
		For Class 52 Rating, Deduct	*-130.80*	
		For Class 54 Rating, Add	*182.48*	
		For Class 55 Rating, Add	*273.39*	
		For Class 56 Rating, Add	*363.12*	
40 05 19 00-0570	EA	4" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,597.62	229.47
		For Class 52 Rating, Deduct	*-137.49*	
		For Class 54 Rating, Add	*191.66*	
		For Class 55 Rating, Add	*287.08*	
		For Class 56 Rating, Add	*381.25*	
40 05 19 00-0571	EA	4" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,663.37	232.70
		For Class 52 Rating, Deduct	*-144.19*	
		For Class 54 Rating, Add	*200.85*	
		For Class 55 Rating, Add	*300.77*	
		For Class 56 Rating, Add	*399.38*	
40 05 19 00-0572	EA	4" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,729.11	235.92
		For Class 52 Rating, Deduct	*-150.88*	
		For Class 54 Rating, Add	*210.04*	
		For Class 55 Rating, Add	*314.46*	
		For Class 56 Rating, Add	*417.51*	
40 05 19 00-0573	EA	4" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,794.86	239.14
		For Class 52 Rating, Deduct	*-157.58*	
		For Class 54 Rating, Add	*219.23*	
		For Class 55 Rating, Add	*328.15*	
		For Class 56 Rating, Add	*435.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0574	EA	4" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,860.60	242.37
		For Class 52 Rating, Deduct	*-164.27*	
		For Class 54 Rating, Add	*228.41*	
		For Class 55 Rating, Add	*341.84*	
		For Class 56 Rating, Add	*453.77*	
40 05 19 00-0575	EA	4" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,926.34	245.58
		For Class 52 Rating, Deduct	*-170.97*	
		For Class 54 Rating, Add	*237.60*	
		For Class 55 Rating, Add	*355.53*	
		For Class 56 Rating, Add	*471.90*	
40 05 19 00-0576	EA	4" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,992.09	248.81
		For Class 52 Rating, Deduct	*-177.66*	
		For Class 54 Rating, Add	*246.79*	
		For Class 55 Rating, Add	*369.22*	
		For Class 56 Rating, Add	*490.03*	
40 05 19 00-0577	EA	4" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,057.82	252.04
		For Class 52 Rating, Deduct	*-184.36*	
		For Class 54 Rating, Add	*255.98*	
		For Class 55 Rating, Add	*382.90*	
		For Class 56 Rating, Add	*508.16*	
40 05 19 00-0578	EA	4" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,123.56	255.25
		For Class 52 Rating, Deduct	*-191.05*	
		For Class 54 Rating, Add	*265.16*	
		For Class 55 Rating, Add	*396.59*	
		For Class 56 Rating, Add	*526.28*	
40 05 19 00-0579	EA	4" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,189.30	258.48
		For Class 52 Rating, Deduct	*-197.74*	
		For Class 54 Rating, Add	*274.35*	
		For Class 55 Rating, Add	*410.28*	
		For Class 56 Rating, Add	*544.41*	
40 05 19 00-0580	EA	4" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,255.04	261.70
		For Class 52 Rating, Deduct	*-204.44*	
		For Class 54 Rating, Add	*283.54*	
		For Class 55 Rating, Add	*423.97*	
		For Class 56 Rating, Add	*562.54*	
40 05 19 00-0581	EA	4" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,320.79	264.92
		For Class 52 Rating, Deduct	*-211.13*	
		For Class 54 Rating, Add	*292.73*	
		For Class 55 Rating, Add	*437.66*	
		For Class 56 Rating, Add	*580.67*	
40 05 19 00-0582	EA	4" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,386.53	268.15
		For Class 52 Rating, Deduct	*-217.83*	
		For Class 54 Rating, Add	*301.91*	
		For Class 55 Rating, Add	*451.35*	
		For Class 56 Rating, Add	*598.80*	
40 05 19 00-0583	EA	4" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,452.28	271.37
		For Class 52 Rating, Deduct	*-224.52*	
		For Class 54 Rating, Add	*311.10*	
		For Class 55 Rating, Add	*465.04*	
		For Class 56 Rating, Add	*616.93*	
40 05 19 00-0584	EA	4" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,518.02	274.59
		For Class 52 Rating, Deduct	*-231.22*	
		For Class 54 Rating, Add	*320.29*	
		For Class 55 Rating, Add	*478.72*	
		For Class 56 Rating, Add	*635.06*	
40 05 19 00-0585	EA	4" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,583.76	277.82
		For Class 52 Rating, Deduct	*-237.91*	
		For Class 54 Rating, Add	*329.48*	
		For Class 55 Rating, Add	*492.41*	
		For Class 56 Rating, Add	*653.19*	
40 05 19 00-0586	EA	4" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,649.50	281.04
		For Class 52 Rating, Deduct	*-244.60*	
		For Class 54 Rating, Add	*338.66*	
		For Class 55 Rating, Add	*506.10*	
		For Class 56 Rating, Add	*671.32*	
40 05 19 00-0587	EA	4" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,715.24	284.27
		For Class 52 Rating, Deduct	*-251.30*	
		For Class 54 Rating, Add	*347.85*	
		For Class 55 Rating, Add	*519.79*	
		For Class 56 Rating, Add	*689.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0588	EA	4" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,780.99	287.48
		For Class 52 Rating, Deduct	*-257.99*	
		For Class 54 Rating, Add	*357.04*	
		For Class 55 Rating, Add	*533.48*	
		For Class 56 Rating, Add	*707.57*	
40 05 19 00-0589	EA	4" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,846.72	290.71
		For Class 52 Rating, Deduct	*-264.69*	
		For Class 54 Rating, Add	*366.22*	
		For Class 55 Rating, Add	*547.17*	
		For Class 56 Rating, Add	*725.70*	
40 05 19 00-0590	EA	4" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,912.46	293.94
		For Class 52 Rating, Deduct	*-271.38*	
		For Class 54 Rating, Add	*375.41*	
		For Class 55 Rating, Add	*560.86*	
		For Class 56 Rating, Add	*743.83*	
40 05 19 00-0591	EA	4" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,978.21	297.15
		For Class 52 Rating, Deduct	*-278.08*	
		For Class 54 Rating, Add	*384.60*	
		For Class 55 Rating, Add	*574.55*	
		For Class 56 Rating, Add	*761.96*	
40 05 19 00-0592	EA	4" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,043.95	300.38
		For Class 52 Rating, Deduct	*-284.77*	
		For Class 54 Rating, Add	*393.79*	
		For Class 55 Rating, Add	*588.23*	
		For Class 56 Rating, Add	*780.09*	
40 05 19 00-0593	EA	4" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,109.70	303.60
		For Class 52 Rating, Deduct	*-291.47*	
		For Class 54 Rating, Add	*402.98*	
		For Class 55 Rating, Add	*601.92*	
		For Class 56 Rating, Add	*798.22*	
40 05 19 00-0594	EA	4" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,175.43	306.82
		For Class 52 Rating, Deduct	*-298.16*	
		For Class 54 Rating, Add	*412.16*	
		For Class 55 Rating, Add	*615.61*	
		For Class 56 Rating, Add	*816.35*	

40 05 19 00-0595 6" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0596	EA	6" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	845.48	232.05
		For Class 52 Rating, Deduct	*-54.33*	
		For Class 54 Rating, Add	*78.30*	
		For Class 55 Rating, Add	*118.58*	
		For Class 56 Rating, Add	*158.35*	
40 05 19 00-0597	EA	6" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	925.27	235.27
		For Class 52 Rating, Deduct	*-62.57*	
		For Class 54 Rating, Add	*89.60*	
		For Class 55 Rating, Add	*135.40*	
		For Class 56 Rating, Add	*180.63*	
40 05 19 00-0598	EA	6" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,005.06	238.50
		For Class 52 Rating, Deduct	*-70.81*	
		For Class 54 Rating, Add	*100.89*	
		For Class 55 Rating, Add	*152.22*	
		For Class 56 Rating, Add	*202.90*	
40 05 19 00-0599	EA	6" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,084.84	241.71
		For Class 52 Rating, Deduct	*-79.05*	
		For Class 54 Rating, Add	*112.18*	
		For Class 55 Rating, Add	*169.04*	
		For Class 56 Rating, Add	*225.17*	
40 05 19 00-0600	EA	6" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,164.62	244.94
		For Class 52 Rating, Deduct	*-87.29*	
		For Class 54 Rating, Add	*123.48*	
		For Class 55 Rating, Add	*185.86*	
		For Class 56 Rating, Add	*247.44*	
40 05 19 00-0601	EA	6" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,244.42	248.17
		For Class 52 Rating, Deduct	*-95.53*	
		For Class 54 Rating, Add	*134.77*	
		For Class 55 Rating, Add	*202.68*	
		For Class 56 Rating, Add	*269.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0602	EA	6" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,324.20	251.39
		For Class 52 Rating, Deduct	*-103.76*	
		For Class 54 Rating, Add	*146.07*	
		For Class 55 Rating, Add	*219.50*	
		For Class 56 Rating, Add	*291.99*	
40 05 19 00-0603	EA	6" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,403.99	254.61
		For Class 52 Rating, Deduct	*-112.00*	
		For Class 54 Rating, Add	*157.36*	
		For Class 55 Rating, Add	*236.32*	
		For Class 56 Rating, Add	*314.26*	
40 05 19 00-0604	EA	6" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,483.77	257.83
		For Class 52 Rating, Deduct	*-120.24*	
		For Class 54 Rating, Add	*168.66*	
		For Class 55 Rating, Add	*253.14*	
		For Class 56 Rating, Add	*336.53*	
40 05 19 00-0605	EA	6" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,563.55	261.06
		For Class 52 Rating, Deduct	*-128.48*	
		For Class 54 Rating, Add	*179.95*	
		For Class 55 Rating, Add	*269.96*	
		For Class 56 Rating, Add	*358.80*	
40 05 19 00-0606	EA	6" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,643.34	264.28
		For Class 52 Rating, Deduct	*-136.72*	
		For Class 54 Rating, Add	*191.24*	
		For Class 55 Rating, Add	*286.78*	
		For Class 56 Rating, Add	*381.08*	
40 05 19 00-0607	EA	6" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,723.13	267.50
		For Class 52 Rating, Deduct	*-144.96*	
		For Class 54 Rating, Add	*202.54*	
		For Class 55 Rating, Add	*303.60*	
		For Class 56 Rating, Add	*403.35*	
40 05 19 00-0608	EA	6" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,802.92	270.73
		For Class 52 Rating, Deduct	*-153.20*	
		For Class 54 Rating, Add	*213.83*	
		For Class 55 Rating, Add	*320.42*	
		For Class 56 Rating, Add	*425.62*	
40 05 19 00-0609	EA	6" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,882.70	273.94
		For Class 52 Rating, Deduct	*-161.44*	
		For Class 54 Rating, Add	*225.13*	
		For Class 55 Rating, Add	*337.24*	
		For Class 56 Rating, Add	*447.89*	
40 05 19 00-0610	EA	6" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,962.48	277.17
		For Class 52 Rating, Deduct	*-169.68*	
		For Class 54 Rating, Add	*236.42*	
		For Class 55 Rating, Add	*354.06*	
		For Class 56 Rating, Add	*470.16*	
40 05 19 00-0611	EA	6" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,042.28	280.40
		For Class 52 Rating, Deduct	*-177.92*	
		For Class 54 Rating, Add	*247.71*	
		For Class 55 Rating, Add	*370.89*	
		For Class 56 Rating, Add	*492.44*	
40 05 19 00-0612	EA	6" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,122.06	283.61
		For Class 52 Rating, Deduct	*-186.16*	
		For Class 54 Rating, Add	*259.01*	
		For Class 55 Rating, Add	*387.71*	
		For Class 56 Rating, Add	*514.71*	
40 05 19 00-0613	EA	6" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,201.85	286.84
		For Class 52 Rating, Deduct	*-194.40*	
		For Class 54 Rating, Add	*270.30*	
		For Class 55 Rating, Add	*404.53*	
		For Class 56 Rating, Add	*536.98*	
40 05 19 00-0614	EA	6" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,281.64	290.06
		For Class 52 Rating, Deduct	*-202.64*	
		For Class 54 Rating, Add	*281.60*	
		For Class 55 Rating, Add	*421.35*	
		For Class 56 Rating, Add	*559.26*	
40 05 19 00-0615	EA	6" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,361.42	293.28
		For Class 52 Rating, Deduct	*-210.88*	
		For Class 54 Rating, Add	*292.89*	
		For Class 55 Rating, Add	*438.17*	
		For Class 56 Rating, Add	*581.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0616	EA	6" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,441.20	296.51
		For Class 52 Rating, Deduct	*-219.11*	
		For Class 54 Rating, Add	*304.18*	
		For Class 55 Rating, Add	*454.99*	
		For Class 56 Rating, Add	*603.80*	
40 05 19 00-0617	EA	6" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,520.99	299.73
		For Class 52 Rating, Deduct	*-227.35*	
		For Class 54 Rating, Add	*315.48*	
		For Class 55 Rating, Add	*471.81*	
		For Class 56 Rating, Add	*626.07*	
40 05 19 00-0618	EA	6" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,600.78	302.96
		For Class 52 Rating, Deduct	*-235.59*	
		For Class 54 Rating, Add	*326.77*	
		For Class 55 Rating, Add	*488.63*	
		For Class 56 Rating, Add	*648.34*	
40 05 19 00-0619	EA	6" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,680.56	306.17
		For Class 52 Rating, Deduct	*-243.83*	
		For Class 54 Rating, Add	*338.07*	
		For Class 55 Rating, Add	*505.45*	
		For Class 56 Rating, Add	*670.62*	
40 05 19 00-0620	EA	6" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,760.34	309.40
		For Class 52 Rating, Deduct	*-252.07*	
		For Class 54 Rating, Add	*349.36*	
		For Class 55 Rating, Add	*522.27*	
		For Class 56 Rating, Add	*692.89*	
40 05 19 00-0621	EA	6" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,840.14	312.63
		For Class 52 Rating, Deduct	*-260.31*	
		For Class 54 Rating, Add	*360.65*	
		For Class 55 Rating, Add	*539.09*	
		For Class 56 Rating, Add	*715.16*	
40 05 19 00-0622	EA	6" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,919.92	315.84
		For Class 52 Rating, Deduct	*-268.55*	
		For Class 54 Rating, Add	*371.95*	
		For Class 55 Rating, Add	*555.91*	
		For Class 56 Rating, Add	*737.43*	
40 05 19 00-0623	EA	6" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,999.71	319.07
		For Class 52 Rating, Deduct	*-276.79*	
		For Class 54 Rating, Add	*383.24*	
		For Class 55 Rating, Add	*572.73*	
		For Class 56 Rating, Add	*759.70*	
40 05 19 00-0624	EA	6" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,079.50	322.29
		For Class 52 Rating, Deduct	*-285.03*	
		For Class 54 Rating, Add	*394.54*	
		For Class 55 Rating, Add	*589.55*	
		For Class 56 Rating, Add	*781.98*	
40 05 19 00-0625	EA	6" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,159.28	325.51
		For Class 52 Rating, Deduct	*-293.27*	
		For Class 54 Rating, Add	*405.83*	
		For Class 55 Rating, Add	*606.37*	
		For Class 56 Rating, Add	*804.25*	
40 05 19 00-0626	EA	6" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,239.07	328.74
		For Class 52 Rating, Deduct	*-301.51*	
		For Class 54 Rating, Add	*417.12*	
		For Class 55 Rating, Add	*623.19*	
		For Class 56 Rating, Add	*826.52*	
40 05 19 00-0627	EA	6" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,318.86	331.96
		For Class 52 Rating, Deduct	*-309.75*	
		For Class 54 Rating, Add	*428.42*	
		For Class 55 Rating, Add	*640.01*	
		For Class 56 Rating, Add	*848.79*	
40 05 19 00-0628	EA	6" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,398.65	335.18
		For Class 52 Rating, Deduct	*-317.99*	
		For Class 54 Rating, Add	*439.71*	
		For Class 55 Rating, Add	*656.83*	
		For Class 56 Rating, Add	*871.07*	
40 05 19 00-0629	EA	6" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,478.42	338.40
		For Class 52 Rating, Deduct	*-326.23*	
		For Class 54 Rating, Add	*451.01*	
		For Class 55 Rating, Add	*673.65*	
		For Class 56 Rating, Add	*893.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0630	EA	6" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,558.21	341.63
		For Class 52 Rating, Deduct	*-334.47*	
		For Class 54 Rating, Add	*462.30*	
		For Class 55 Rating, Add	*690.48*	
		For Class 56 Rating, Add	*915.61*	
40 05 19 00-0631	EA	6" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,638.00	344.85
		For Class 52 Rating, Deduct	*-342.71*	
		For Class 54 Rating, Add	*473.60*	
		For Class 55 Rating, Add	*707.30*	
		For Class 56 Rating, Add	*937.88*	
40 05 19 00-0632	EA	6" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,717.78	348.07
		For Class 52 Rating, Deduct	*-350.94*	
		For Class 54 Rating, Add	*484.89*	
		For Class 55 Rating, Add	*724.12*	
		For Class 56 Rating, Add	*960.15*	
40 05 19 00-0633	EA	6" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,797.57	351.30
		For Class 52 Rating, Deduct	*-359.18*	
		For Class 54 Rating, Add	*496.18*	
		For Class 55 Rating, Add	*740.94*	
		For Class 56 Rating, Add	*982.43*	
40 05 19 00-0634	EA	6" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,877.36	354.51
		For Class 52 Rating, Deduct	*-367.42*	
		For Class 54 Rating, Add	*507.48*	
		For Class 55 Rating, Add	*757.76*	
		For Class 56 Rating, Add	*1,004.70*	

40 05 19 00-0635 8" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0636	EA	8" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,170.19	296.51
		For Class 52 Rating, Deduct	*-79.30*	
		For Class 54 Rating, Add	*113.53*	
		For Class 55 Rating, Add	*171.55*	
		For Class 56 Rating, Add	*228.85*	
40 05 19 00-0637	EA	8" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,278.06	299.73
		For Class 52 Rating, Deduct	*-90.63*	
		For Class 54 Rating, Add	*129.04*	
		For Class 55 Rating, Add	*194.64*	
		For Class 56 Rating, Add	*259.41*	
40 05 19 00-0638	EA	8" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,385.95	302.96
		For Class 52 Rating, Deduct	*-101.96*	
		For Class 54 Rating, Add	*144.55*	
		For Class 55 Rating, Add	*217.72*	
		For Class 56 Rating, Add	*289.97*	
40 05 19 00-0639	EA	8" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,493.82	306.17
		For Class 52 Rating, Deduct	*-113.29*	
		For Class 54 Rating, Add	*160.05*	
		For Class 55 Rating, Add	*240.81*	
		For Class 56 Rating, Add	*320.53*	
40 05 19 00-0640	EA	8" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,601.69	309.40
		For Class 52 Rating, Deduct	*-124.62*	
		For Class 54 Rating, Add	*175.56*	
		For Class 55 Rating, Add	*263.89*	
		For Class 56 Rating, Add	*351.08*	
40 05 19 00-0641	EA	8" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,709.57	312.63
		For Class 52 Rating, Deduct	*-135.95*	
		For Class 54 Rating, Add	*191.07*	
		For Class 55 Rating, Add	*286.97*	
		For Class 56 Rating, Add	*381.64*	
40 05 19 00-0642	EA	8" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,817.44	315.84
		For Class 52 Rating, Deduct	*-147.28*	
		For Class 54 Rating, Add	*206.58*	
		For Class 55 Rating, Add	*310.06*	
		For Class 56 Rating, Add	*412.20*	
40 05 19 00-0643	EA	8" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,925.32	319.07
		For Class 52 Rating, Deduct	*-158.61*	
		For Class 54 Rating, Add	*222.08*	
		For Class 55 Rating, Add	*333.14*	
		For Class 56 Rating, Add	*442.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0644	EA	8" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,033.20	322.29
		For Class 52 Rating, Deduct	*-169.94*	
		For Class 54 Rating, Add	*237.59*	
		For Class 55 Rating, Add	*356.23*	
		For Class 56 Rating, Add	*473.32*	
40 05 19 00-0645	EA	8" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,141.07	325.51
		For Class 52 Rating, Deduct	*-181.27*	
		For Class 54 Rating, Add	*253.10*	
		For Class 55 Rating, Add	*379.31*	
		For Class 56 Rating, Add	*503.88*	
40 05 19 00-0646	EA	8" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,248.95	328.74
		For Class 52 Rating, Deduct	*-192.59*	
		For Class 54 Rating, Add	*268.61*	
		For Class 55 Rating, Add	*402.40*	
		For Class 56 Rating, Add	*534.43*	
40 05 19 00-0647	EA	8" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,356.82	331.96
		For Class 52 Rating, Deduct	*-203.92*	
		For Class 54 Rating, Add	*284.11*	
		For Class 55 Rating, Add	*425.48*	
		For Class 56 Rating, Add	*564.99*	
40 05 19 00-0648	EA	8" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,464.70	335.18
		For Class 52 Rating, Deduct	*-215.25*	
		For Class 54 Rating, Add	*299.62*	
		For Class 55 Rating, Add	*448.56*	
		For Class 56 Rating, Add	*595.55*	
40 05 19 00-0649	EA	8" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,572.56	338.40
		For Class 52 Rating, Deduct	*-226.58*	
		For Class 54 Rating, Add	*315.13*	
		For Class 55 Rating, Add	*471.65*	
		For Class 56 Rating, Add	*626.11*	
40 05 19 00-0650	EA	8" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,680.44	341.63
		For Class 52 Rating, Deduct	*-237.91*	
		For Class 54 Rating, Add	*330.64*	
		For Class 55 Rating, Add	*494.73*	
		For Class 56 Rating, Add	*656.67*	
40 05 19 00-0651	EA	8" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,788.32	344.85
		For Class 52 Rating, Deduct	*-249.24*	
		For Class 54 Rating, Add	*346.14*	
		For Class 55 Rating, Add	*517.82*	
		For Class 56 Rating, Add	*687.23*	
40 05 19 00-0652	EA	8" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,896.19	348.07
		For Class 52 Rating, Deduct	*-260.57*	
		For Class 54 Rating, Add	*361.65*	
		For Class 55 Rating, Add	*540.90*	
		For Class 56 Rating, Add	*717.78*	
40 05 19 00-0653	EA	8" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,004.07	351.30
		For Class 52 Rating, Deduct	*-271.90*	
		For Class 54 Rating, Add	*377.16*	
		For Class 55 Rating, Add	*563.99*	
		For Class 56 Rating, Add	*748.34*	
40 05 19 00-0654	EA	8" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,111.94	354.51
		For Class 52 Rating, Deduct	*-283.23*	
		For Class 54 Rating, Add	*392.66*	
		For Class 55 Rating, Add	*587.07*	
		For Class 56 Rating, Add	*778.90*	
40 05 19 00-0655	EA	8" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,219.81	357.74
		For Class 52 Rating, Deduct	*-294.56*	
		For Class 54 Rating, Add	*408.17*	
		For Class 55 Rating, Add	*610.15*	
		For Class 56 Rating, Add	*809.46*	
40 05 19 00-0656	EA	8" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,327.70	360.97
		For Class 52 Rating, Deduct	*-305.89*	
		For Class 54 Rating, Add	*423.68*	
		For Class 55 Rating, Add	*633.24*	
		For Class 56 Rating, Add	*840.02*	
40 05 19 00-0657	EA	8" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,435.57	364.19
		For Class 52 Rating, Deduct	*-317.21*	
		For Class 54 Rating, Add	*439.19*	
		For Class 55 Rating, Add	*656.32*	
		For Class 56 Rating, Add	*870.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0658	EA	8" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,543.45	367.41
		For Class 52 Rating, Deduct	*-328.54*	
		For Class 54 Rating, Add	*454.69*	
		For Class 55 Rating, Add	*679.41*	
		For Class 56 Rating, Add	*901.14*	
40 05 19 00-0659	EA	8" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,651.32	370.63
		For Class 52 Rating, Deduct	*-339.87*	
		For Class 54 Rating, Add	*470.20*	
		For Class 55 Rating, Add	*702.49*	
		For Class 56 Rating, Add	*931.69*	
40 05 19 00-0660	EA	8" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,759.19	373.86
		For Class 52 Rating, Deduct	*-351.20*	
		For Class 54 Rating, Add	*485.71*	
		For Class 55 Rating, Add	*725.58*	
		For Class 56 Rating, Add	*962.25*	
40 05 19 00-0661	EA	8" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,867.06	377.08
		For Class 52 Rating, Deduct	*-362.53*	
		For Class 54 Rating, Add	*501.22*	
		For Class 55 Rating, Add	*748.66*	
		For Class 56 Rating, Add	*992.81*	
40 05 19 00-0662	EA	8" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,974.94	380.30
		For Class 52 Rating, Deduct	*-373.86*	
		For Class 54 Rating, Add	*516.72*	
		For Class 55 Rating, Add	*771.75*	
		For Class 56 Rating, Add	*1,023.37*	
40 05 19 00-0663	EA	8" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,082.82	383.53
		For Class 52 Rating, Deduct	*-385.19*	
		For Class 54 Rating, Add	*532.23*	
		For Class 55 Rating, Add	*794.83*	
		For Class 56 Rating, Add	*1,053.93*	
40 05 19 00-0664	EA	8" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,190.69	386.75
		For Class 52 Rating, Deduct	*-396.52*	
		For Class 54 Rating, Add	*547.74*	
		For Class 55 Rating, Add	*817.91*	
		For Class 56 Rating, Add	*1,084.48*	
40 05 19 00-0665	EA	8" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,298.56	389.97
		For Class 52 Rating, Deduct	*-407.85*	
		For Class 54 Rating, Add	*563.25*	
		For Class 55 Rating, Add	*841.00*	
		For Class 56 Rating, Add	*1,115.04*	
40 05 19 00-0666	EA	8" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,406.44	393.20
		For Class 52 Rating, Deduct	*-419.18*	
		For Class 54 Rating, Add	*578.75*	
		For Class 55 Rating, Add	*864.08*	
		For Class 56 Rating, Add	*1,145.60*	
40 05 19 00-0667	EA	8" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,514.31	396.41
		For Class 52 Rating, Deduct	*-430.50*	
		For Class 54 Rating, Add	*594.26*	
		For Class 55 Rating, Add	*887.17*	
		For Class 56 Rating, Add	*1,176.16*	
40 05 19 00-0668	EA	8" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,622.20	399.64
		For Class 52 Rating, Deduct	*-441.83*	
		For Class 54 Rating, Add	*609.77*	
		For Class 55 Rating, Add	*910.25*	
		For Class 56 Rating, Add	*1,206.72*	
40 05 19 00-0669	EA	8" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,730.07	402.87
		For Class 52 Rating, Deduct	*-453.16*	
		For Class 54 Rating, Add	*625.28*	
		For Class 55 Rating, Add	*933.34*	
		For Class 56 Rating, Add	*1,237.28*	
40 05 19 00-0670	EA	8" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,837.94	406.08
		For Class 52 Rating, Deduct	*-464.49*	
		For Class 54 Rating, Add	*640.78*	
		For Class 55 Rating, Add	*956.42*	
		For Class 56 Rating, Add	*1,267.83*	
40 05 19 00-0671	EA	8" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,945.82	409.31
		For Class 52 Rating, Deduct	*-475.82*	
		For Class 54 Rating, Add	*656.29*	
		For Class 55 Rating, Add	*979.50*	
		For Class 56 Rating, Add	*1,298.39*	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0672	EA	8" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,053.69	412.53
		For Class 52 Rating, Deduct	*-487.15*	
		For Class 54 Rating, Add	*671.80*	
		For Class 55 Rating, Add	*1,002.59*	
		For Class 56 Rating, Add	*1,328.95*	
40 05 19 00-0673	EA	8" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,161.56	415.76
		For Class 52 Rating, Deduct	*-498.48*	
		For Class 54 Rating, Add	*687.30*	
		For Class 55 Rating, Add	*1,025.67*	
		For Class 56 Rating, Add	*1,359.51*	
40 05 19 00-0674	EA	8" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,269.44	418.98
		For Class 52 Rating, Deduct	*-509.81*	
		For Class 54 Rating, Add	*702.81*	
		For Class 55 Rating, Add	*1,048.76*	
		For Class 56 Rating, Add	*1,390.07*	

40 05 19 00-0675 10" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0676	EA	10" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,469.16	360.97
		For Class 52 Rating, Deduct	*-101.45*	
		For Class 54 Rating, Add	*144.90*	
		For Class 55 Rating, Add	*218.79*	
		For Class 56 Rating, Add	*291.75*	
40 05 19 00-0677	EA	10" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,609.81	364.19
		For Class 52 Rating, Deduct	*-116.38*	
		For Class 54 Rating, Add	*165.32*	
		For Class 55 Rating, Add	*249.18*	
		For Class 56 Rating, Add	*331.98*	
40 05 19 00-0678	EA	10" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,750.46	367.41
		For Class 52 Rating, Deduct	*-131.31*	
		For Class 54 Rating, Add	*185.75*	
		For Class 55 Rating, Add	*279.57*	
		For Class 56 Rating, Add	*372.20*	
40 05 19 00-0679	EA	10" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,891.10	370.63
		For Class 52 Rating, Deduct	*-146.25*	
		For Class 54 Rating, Add	*206.17*	
		For Class 55 Rating, Add	*309.96*	
		For Class 56 Rating, Add	*412.43*	
40 05 19 00-0680	EA	10" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,031.74	373.86
		For Class 52 Rating, Deduct	*-161.18*	
		For Class 54 Rating, Add	*226.59*	
		For Class 55 Rating, Add	*340.35*	
		For Class 56 Rating, Add	*452.65*	
40 05 19 00-0681	EA	10" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,172.38	377.08
		For Class 52 Rating, Deduct	*-176.12*	
		For Class 54 Rating, Add	*247.01*	
		For Class 55 Rating, Add	*370.75*	
		For Class 56 Rating, Add	*492.88*	
40 05 19 00-0682	EA	10" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,313.02	380.30
		For Class 52 Rating, Deduct	*-191.05*	
		For Class 54 Rating, Add	*267.44*	
		For Class 55 Rating, Add	*401.14*	
		For Class 56 Rating, Add	*533.10*	
40 05 19 00-0683	EA	10" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,453.68	383.53
		For Class 52 Rating, Deduct	*-205.98*	
		For Class 54 Rating, Add	*287.86*	
		For Class 55 Rating, Add	*431.53*	
		For Class 56 Rating, Add	*573.33*	
40 05 19 00-0684	EA	10" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,594.32	386.75
		For Class 52 Rating, Deduct	*-220.92*	
		For Class 54 Rating, Add	*308.28*	
		For Class 55 Rating, Add	*461.92*	
		For Class 56 Rating, Add	*613.56*	
40 05 19 00-0685	EA	10" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,734.96	389.97
		For Class 52 Rating, Deduct	*-235.85*	
		For Class 54 Rating, Add	*328.71*	
		For Class 55 Rating, Add	*492.31*	
		For Class 56 Rating, Add	*653.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0686	EA	10" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,875.61	393.20
		For Class 52 Rating, Deduct	*-250.78*	
		For Class 54 Rating, Add	*349.13*	
		For Class 55 Rating, Add	*522.71*	
		For Class 56 Rating, Add	*694.01*	
40 05 19 00-0687	EA	10" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,016.25	396.41
		For Class 52 Rating, Deduct	*-265.72*	
		For Class 54 Rating, Add	*369.55*	
		For Class 55 Rating, Add	*553.10*	
		For Class 56 Rating, Add	*734.23*	
40 05 19 00-0688	EA	10" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,156.90	399.64
		For Class 52 Rating, Deduct	*-280.65*	
		For Class 54 Rating, Add	*389.97*	
		For Class 55 Rating, Add	*583.49*	
		For Class 56 Rating, Add	*774.46*	
40 05 19 00-0689	EA	10" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,297.55	402.87
		For Class 52 Rating, Deduct	*-295.59*	
		For Class 54 Rating, Add	*410.40*	
		For Class 55 Rating, Add	*613.88*	
		For Class 56 Rating, Add	*814.68*	
40 05 19 00-0690	EA	10" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,438.19	406.08
		For Class 52 Rating, Deduct	*-310.52*	
		For Class 54 Rating, Add	*430.82*	
		For Class 55 Rating, Add	*644.28*	
		For Class 56 Rating, Add	*854.91*	
40 05 19 00-0691	EA	10" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,578.84	409.31
		For Class 52 Rating, Deduct	*-325.45*	
		For Class 54 Rating, Add	*451.24*	
		For Class 55 Rating, Add	*674.67*	
		For Class 56 Rating, Add	*895.13*	
40 05 19 00-0692	EA	10" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,719.48	412.53
		For Class 52 Rating, Deduct	*-340.39*	
		For Class 54 Rating, Add	*471.67*	
		For Class 55 Rating, Add	*705.06*	
		For Class 56 Rating, Add	*935.36*	
40 05 19 00-0693	EA	10" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,860.12	415.76
		For Class 52 Rating, Deduct	*-355.32*	
		For Class 54 Rating, Add	*492.09*	
		For Class 55 Rating, Add	*735.45*	
		For Class 56 Rating, Add	*975.58*	
40 05 19 00-0694	EA	10" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,000.77	418.98
		For Class 52 Rating, Deduct	*-370.26*	
		For Class 54 Rating, Add	*512.51*	
		For Class 55 Rating, Add	*765.84*	
		For Class 56 Rating, Add	*1,015.81*	
40 05 19 00-0695	EA	10" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,141.41	422.20
		For Class 52 Rating, Deduct	*-385.19*	
		For Class 54 Rating, Add	*532.93*	
		For Class 55 Rating, Add	*796.24*	
		For Class 56 Rating, Add	*1,056.04*	
40 05 19 00-0696	EA	10" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,282.06	425.43
		For Class 52 Rating, Deduct	*-400.12*	
		For Class 54 Rating, Add	*553.36*	
		For Class 55 Rating, Add	*826.63*	
		For Class 56 Rating, Add	*1,096.26*	
40 05 19 00-0697	EA	10" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,422.70	428.64
		For Class 52 Rating, Deduct	*-415.06*	
		For Class 54 Rating, Add	*573.78*	
		For Class 55 Rating, Add	*857.02*	
		For Class 56 Rating, Add	*1,136.49*	
40 05 19 00-0698	EA	10" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,563.35	431.87
		For Class 52 Rating, Deduct	*-429.99*	
		For Class 54 Rating, Add	*594.20*	
		For Class 55 Rating, Add	*887.41*	
		For Class 56 Rating, Add	*1,176.71*	
40 05 19 00-0699	EA	10" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,703.99	435.10
		For Class 52 Rating, Deduct	*-444.92*	
		For Class 54 Rating, Add	*614.62*	
		For Class 55 Rating, Add	*917.80*	
		For Class 56 Rating, Add	*1,216.94*	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0700	EA	10" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,844.64	438.31
		For Class 52 Rating, Deduct	*-459.86*	
		For Class 54 Rating, Add	*635.05*	
		For Class 55 Rating, Add	*948.20*	
		For Class 56 Rating, Add	*1,257.16*	
40 05 19 00-0701	EA	10" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,985.29	441.54
		For Class 52 Rating, Deduct	*-474.79*	
		For Class 54 Rating, Add	*655.47*	
		For Class 55 Rating, Add	*978.59*	
		For Class 56 Rating, Add	*1,297.39*	
40 05 19 00-0702	EA	10" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,125.93	444.76
		For Class 52 Rating, Deduct	*-489.73*	
		For Class 54 Rating, Add	*675.89*	
		For Class 55 Rating, Add	*1,008.98*	
		For Class 56 Rating, Add	*1,337.61*	
40 05 19 00-0703	EA	10" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,266.58	447.98
		For Class 52 Rating, Deduct	*-504.66*	
		For Class 54 Rating, Add	*696.32*	
		For Class 55 Rating, Add	*1,039.37*	
		For Class 56 Rating, Add	*1,377.84*	
40 05 19 00-0704	EA	10" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,407.22	451.21
		For Class 52 Rating, Deduct	*-519.59*	
		For Class 54 Rating, Add	*716.74*	
		For Class 55 Rating, Add	*1,069.76*	
		For Class 56 Rating, Add	*1,418.06*	
40 05 19 00-0705	EA	10" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,547.86	454.43
		For Class 52 Rating, Deduct	*-534.53*	
		For Class 54 Rating, Add	*737.16*	
		For Class 55 Rating, Add	*1,100.16*	
		For Class 56 Rating, Add	*1,458.29*	
40 05 19 00-0706	EA	10" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,688.51	457.65
		For Class 52 Rating, Deduct	*-549.46*	
		For Class 54 Rating, Add	*757.59*	
		For Class 55 Rating, Add	*1,130.55*	
		For Class 56 Rating, Add	*1,498.52*	
40 05 19 00-0707	EA	10" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,829.15	460.87
		For Class 52 Rating, Deduct	*-564.39*	
		For Class 54 Rating, Add	*778.01*	
		For Class 55 Rating, Add	*1,160.94*	
		For Class 56 Rating, Add	*1,538.74*	
40 05 19 00-0708	EA	10" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,969.80	464.10
		For Class 52 Rating, Deduct	*-579.33*	
		For Class 54 Rating, Add	*798.43*	
		For Class 55 Rating, Add	*1,191.33*	
		For Class 56 Rating, Add	*1,578.97*	
40 05 19 00-0709	EA	10" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,110.44	467.32
		For Class 52 Rating, Deduct	*-594.26*	
		For Class 54 Rating, Add	*818.85*	
		For Class 55 Rating, Add	*1,221.72*	
		For Class 56 Rating, Add	*1,619.19*	
40 05 19 00-0710	EA	10" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,251.08	470.54
		For Class 52 Rating, Deduct	*-609.20*	
		For Class 54 Rating, Add	*839.28*	
		For Class 55 Rating, Add	*1,252.12*	
		For Class 56 Rating, Add	*1,659.42*	
40 05 19 00-0711	EA	10" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,391.74	473.77
		For Class 52 Rating, Deduct	*-624.13*	
		For Class 54 Rating, Add	*859.70*	
		For Class 55 Rating, Add	*1,282.51*	
		For Class 56 Rating, Add	*1,699.65*	
40 05 19 00-0712	EA	10" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,532.38	476.99
		For Class 52 Rating, Deduct	*-639.06*	
		For Class 54 Rating, Add	*880.12*	
		For Class 55 Rating, Add	*1,312.90*	
		For Class 56 Rating, Add	*1,739.87*	
40 05 19 00-0713	EA	10" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,673.03	480.21
		For Class 52 Rating, Deduct	*-654.00*	
		For Class 54 Rating, Add	*900.55*	
		For Class 55 Rating, Add	*1,343.29*	
		For Class 56 Rating, Add	*1,780.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0714	EA	10" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,813.67	483.44
		For Class 52 Rating, Deduct	*-668.93*	
		For Class 54 Rating, Add	*920.97*	
		For Class 55 Rating, Add	*1,373.68*	
		For Class 56 Rating, Add	*1,820.32*	

40 05 19 00-0715 12" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0716	EA	12" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,905.51	451.21
		For Class 52 Rating, Deduct	*-134.40*	
		For Class 54 Rating, Add	*191.48*	
		For Class 55 Rating, Add	*288.88*	
		For Class 56 Rating, Add	*385.06*	
40 05 19 00-0717	EA	12" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,081.26	454.43
		For Class 52 Rating, Deduct	*-153.20*	
		For Class 54 Rating, Add	*217.17*	
		For Class 55 Rating, Add	*327.10*	
		For Class 56 Rating, Add	*435.64*	
40 05 19 00-0718	EA	12" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,257.01	457.65
		For Class 52 Rating, Deduct	*-172.00*	
		For Class 54 Rating, Add	*242.86*	
		For Class 55 Rating, Add	*365.32*	
		For Class 56 Rating, Add	*486.22*	
40 05 19 00-0719	EA	12" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,432.76	460.87
		For Class 52 Rating, Deduct	*-190.79*	
		For Class 54 Rating, Add	*268.55*	
		For Class 55 Rating, Add	*403.55*	
		For Class 56 Rating, Add	*536.81*	
40 05 19 00-0720	EA	12" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,608.53	464.10
		For Class 52 Rating, Deduct	*-209.59*	
		For Class 54 Rating, Add	*294.24*	
		For Class 55 Rating, Add	*441.77*	
		For Class 56 Rating, Add	*587.39*	
40 05 19 00-0721	EA	12" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,784.28	467.32
		For Class 52 Rating, Deduct	*-228.38*	
		For Class 54 Rating, Add	*319.93*	
		For Class 55 Rating, Add	*479.99*	
		For Class 56 Rating, Add	*637.98*	
40 05 19 00-0722	EA	12" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,960.03	470.54
		For Class 52 Rating, Deduct	*-247.18*	
		For Class 54 Rating, Add	*345.62*	
		For Class 55 Rating, Add	*518.21*	
		For Class 56 Rating, Add	*688.56*	
40 05 19 00-0723	EA	12" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,135.79	473.77
		For Class 52 Rating, Deduct	*-265.98*	
		For Class 54 Rating, Add	*371.31*	
		For Class 55 Rating, Add	*556.43*	
		For Class 56 Rating, Add	*739.14*	
40 05 19 00-0724	EA	12" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,311.55	476.99
		For Class 52 Rating, Deduct	*-284.77*	
		For Class 54 Rating, Add	*397.00*	
		For Class 55 Rating, Add	*594.66*	
		For Class 56 Rating, Add	*789.73*	
40 05 19 00-0725	EA	12" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,487.31	480.21
		For Class 52 Rating, Deduct	*-303.57*	
		For Class 54 Rating, Add	*422.69*	
		For Class 55 Rating, Add	*632.88*	
		For Class 56 Rating, Add	*840.31*	
40 05 19 00-0726	EA	12" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,663.06	483.44
		For Class 52 Rating, Deduct	*-322.36*	
		For Class 54 Rating, Add	*448.38*	
		For Class 55 Rating, Add	*671.10*	
		For Class 56 Rating, Add	*890.89*	
40 05 19 00-0727	EA	12" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,838.81	486.66
		For Class 52 Rating, Deduct	*-341.16*	
		For Class 54 Rating, Add	*474.07*	
		For Class 55 Rating, Add	*709.32*	
		For Class 56 Rating, Add	*941.47*	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0728	EA	12" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,014.58	489.88
		For Class 52 Rating, Deduct	*-359.96*	
		For Class 54 Rating, Add	*499.76*	
		For Class 55 Rating, Add	*747.54*	
		For Class 56 Rating, Add	*992.06*	
40 05 19 00-0729	EA	12" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,190.33	493.10
		For Class 52 Rating, Deduct	*-378.75*	
		For Class 54 Rating, Add	*525.45*	
		For Class 55 Rating, Add	*785.76*	
		For Class 56 Rating, Add	*1,042.64*	
40 05 19 00-0730	EA	12" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,366.08	496.33
		For Class 52 Rating, Deduct	*-397.55*	
		For Class 54 Rating, Add	*551.13*	
		For Class 55 Rating, Add	*823.99*	
		For Class 56 Rating, Add	*1,093.22*	
40 05 19 00-0731	EA	12" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,541.83	499.55
		For Class 52 Rating, Deduct	*-416.34*	
		For Class 54 Rating, Add	*576.82*	
		For Class 55 Rating, Add	*862.21*	
		For Class 56 Rating, Add	*1,143.81*	
40 05 19 00-0732	EA	12" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,717.59	502.77
		For Class 52 Rating, Deduct	*-435.14*	
		For Class 54 Rating, Add	*602.51*	
		For Class 55 Rating, Add	*900.43*	
		For Class 56 Rating, Add	*1,194.39*	
40 05 19 00-0733	EA	12" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,893.35	506.00
		For Class 52 Rating, Deduct	*-453.94*	
		For Class 54 Rating, Add	*628.20*	
		For Class 55 Rating, Add	*938.65*	
		For Class 56 Rating, Add	*1,244.97*	
40 05 19 00-0734	EA	12" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,069.10	509.21
		For Class 52 Rating, Deduct	*-472.73*	
		For Class 54 Rating, Add	*653.89*	
		For Class 55 Rating, Add	*976.87*	
		For Class 56 Rating, Add	*1,295.56*	
40 05 19 00-0735	EA	12" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,244.86	512.44
		For Class 52 Rating, Deduct	*-491.53*	
		For Class 54 Rating, Add	*679.58*	
		For Class 55 Rating, Add	*1,015.09*	
		For Class 56 Rating, Add	*1,346.14*	
40 05 19 00-0736	EA	12" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,420.62	515.67
		For Class 52 Rating, Deduct	*-510.32*	
		For Class 54 Rating, Add	*705.27*	
		For Class 55 Rating, Add	*1,053.32*	
		For Class 56 Rating, Add	*1,396.72*	
40 05 19 00-0737	EA	12" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,596.37	518.88
		For Class 52 Rating, Deduct	*-529.12*	
		For Class 54 Rating, Add	*730.96*	
		For Class 55 Rating, Add	*1,091.54*	
		For Class 56 Rating, Add	*1,447.31*	
40 05 19 00-0738	EA	12" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,772.13	522.11
		For Class 52 Rating, Deduct	*-547.92*	
		For Class 54 Rating, Add	*756.65*	
		For Class 55 Rating, Add	*1,129.76*	
		For Class 56 Rating, Add	*1,497.89*	
40 05 19 00-0739	EA	12" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,947.88	525.33
		For Class 52 Rating, Deduct	*-566.71*	
		For Class 54 Rating, Add	*782.34*	
		For Class 55 Rating, Add	*1,167.98*	
		For Class 56 Rating, Add	*1,548.47*	
40 05 19 00-0740	EA	12" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,123.65	528.56
		For Class 52 Rating, Deduct	*-585.51*	
		For Class 54 Rating, Add	*808.03*	
		For Class 55 Rating, Add	*1,206.20*	
		For Class 56 Rating, Add	*1,599.06*	
40 05 19 00-0741	EA	12" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,299.40	531.78
		For Class 52 Rating, Deduct	*-604.30*	
		For Class 54 Rating, Add	*833.72*	
		For Class 55 Rating, Add	*1,244.43*	
		For Class 56 Rating, Add	*1,649.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0742	EA	12" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,475.14	535.00
		For Class 52 Rating, Deduct	*-623.10*	
		For Class 54 Rating, Add	*859.41*	
		For Class 55 Rating, Add	*1,282.65*	
		For Class 56 Rating, Add	*1,700.22*	
40 05 19 00-0743	EA	12" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,650.91	538.23
		For Class 52 Rating, Deduct	*-641.90*	
		For Class 54 Rating, Add	*885.10*	
		For Class 55 Rating, Add	*1,320.87*	
		For Class 56 Rating, Add	*1,750.81*	
40 05 19 00-0744	EA	12" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,826.66	541.45
		For Class 52 Rating, Deduct	*-660.69*	
		For Class 54 Rating, Add	*910.79*	
		For Class 55 Rating, Add	*1,359.09*	
		For Class 56 Rating, Add	*1,801.39*	
40 05 19 00-0745	EA	12" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,002.42	544.67
		For Class 52 Rating, Deduct	*-679.49*	
		For Class 54 Rating, Add	*936.48*	
		For Class 55 Rating, Add	*1,397.31*	
		For Class 56 Rating, Add	*1,851.97*	
40 05 19 00-0746	EA	12" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,178.17	547.90
		For Class 52 Rating, Deduct	*-698.28*	
		For Class 54 Rating, Add	*962.17*	
		For Class 55 Rating, Add	*1,435.53*	
		For Class 56 Rating, Add	*1,902.55*	
40 05 19 00-0747	EA	12" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,353.93	551.11
		For Class 52 Rating, Deduct	*-717.08*	
		For Class 54 Rating, Add	*987.86*	
		For Class 55 Rating, Add	*1,473.76*	
		For Class 56 Rating, Add	*1,953.14*	
40 05 19 00-0748	EA	12" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,529.69	554.34
		For Class 52 Rating, Deduct	*-735.88*	
		For Class 54 Rating, Add	*1,013.55*	
		For Class 55 Rating, Add	*1,511.98*	
		For Class 56 Rating, Add	*2,003.72*	
40 05 19 00-0749	EA	12" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,705.44	557.57
		For Class 52 Rating, Deduct	*-754.67*	
		For Class 54 Rating, Add	*1,039.23*	
		For Class 55 Rating, Add	*1,550.20*	
		For Class 56 Rating, Add	*2,054.30*	
40 05 19 00-0750	EA	12" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,881.20	560.78
		For Class 52 Rating, Deduct	*-773.47*	
		For Class 54 Rating, Add	*1,064.92*	
		For Class 55 Rating, Add	*1,588.42*	
		For Class 56 Rating, Add	*2,104.89*	
40 05 19 00-0751	EA	12" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,056.96	564.01
		For Class 52 Rating, Deduct	*-792.26*	
		For Class 54 Rating, Add	*1,090.61*	
		For Class 55 Rating, Add	*1,626.64*	
		For Class 56 Rating, Add	*2,155.47*	
40 05 19 00-0752	EA	12" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,232.71	567.23
		For Class 52 Rating, Deduct	*-811.06*	
		For Class 54 Rating, Add	*1,116.30*	
		For Class 55 Rating, Add	*1,664.87*	
		For Class 56 Rating, Add	*2,206.05*	
40 05 19 00-0753	EA	12" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,408.47	570.45
		For Class 52 Rating, Deduct	*-829.86*	
		For Class 54 Rating, Add	*1,141.99*	
		For Class 55 Rating, Add	*1,703.09*	
		For Class 56 Rating, Add	*2,256.64*	
40 05 19 00-0754	EA	12" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,584.22	573.68
		For Class 52 Rating, Deduct	*-848.65*	
		For Class 54 Rating, Add	*1,167.68*	
		For Class 55 Rating, Add	*1,741.31*	
		For Class 56 Rating, Add	*2,307.22*	

40 05 19 00-0755 14" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0756	EA	14" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,646.13	541.45
		For Class 52 Rating, Deduct	*-200.83*	
		For Class 54 Rating, Add	*283.71*	
		For Class 55 Rating, Add	*426.83*	
		For Class 56 Rating, Add	*568.13*	
40 05 19 00-0757	EA	14" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,859.35	544.67
		For Class 52 Rating, Deduct	*-223.75*	
		For Class 54 Rating, Add	*315.02*	
		For Class 55 Rating, Add	*473.41*	
		For Class 56 Rating, Add	*629.77*	
40 05 19 00-0758	EA	14" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,072.55	547.90
		For Class 52 Rating, Deduct	*-246.67*	
		For Class 54 Rating, Add	*346.32*	
		For Class 55 Rating, Add	*519.98*	
		For Class 56 Rating, Add	*691.40*	
40 05 19 00-0759	EA	14" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,285.75	551.11
		For Class 52 Rating, Deduct	*-269.58*	
		For Class 54 Rating, Add	*377.63*	
		For Class 55 Rating, Add	*566.55*	
		For Class 56 Rating, Add	*753.03*	
40 05 19 00-0760	EA	14" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,498.97	554.34
		For Class 52 Rating, Deduct	*-292.50*	
		For Class 54 Rating, Add	*408.94*	
		For Class 55 Rating, Add	*613.13*	
		For Class 56 Rating, Add	*814.66*	
40 05 19 00-0761	EA	14" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,712.17	557.57
		For Class 52 Rating, Deduct	*-315.41*	
		For Class 54 Rating, Add	*440.24*	
		For Class 55 Rating, Add	*659.70*	
		For Class 56 Rating, Add	*876.29*	
40 05 19 00-0762	EA	14" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,925.39	560.78
		For Class 52 Rating, Deduct	*-338.33*	
		For Class 54 Rating, Add	*471.55*	
		For Class 55 Rating, Add	*706.28*	
		For Class 56 Rating, Add	*937.92*	
40 05 19 00-0763	EA	14" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,138.59	564.01
		For Class 52 Rating, Deduct	*-361.24*	
		For Class 54 Rating, Add	*502.86*	
		For Class 55 Rating, Add	*752.85*	
		For Class 56 Rating, Add	*999.55*	
40 05 19 00-0764	EA	14" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,351.79	567.23
		For Class 52 Rating, Deduct	*-384.16*	
		For Class 54 Rating, Add	*534.17*	
		For Class 55 Rating, Add	*799.42*	
		For Class 56 Rating, Add	*1,061.18*	
40 05 19 00-0765	EA	14" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,565.01	570.45
		For Class 52 Rating, Deduct	*-407.07*	
		For Class 54 Rating, Add	*565.47*	
		For Class 55 Rating, Add	*846.00*	
		For Class 56 Rating, Add	*1,122.82*	
40 05 19 00-0766	EA	14" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,778.21	573.68
		For Class 52 Rating, Deduct	*-429.99*	
		For Class 54 Rating, Add	*596.78*	
		For Class 55 Rating, Add	*892.57*	
		For Class 56 Rating, Add	*1,184.45*	
40 05 19 00-0767	EA	14" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,991.42	576.90
		For Class 52 Rating, Deduct	*-452.91*	
		For Class 54 Rating, Add	*628.09*	
		For Class 55 Rating, Add	*939.14*	
		For Class 56 Rating, Add	*1,246.08*	
40 05 19 00-0768	EA	14" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,204.62	580.13
		For Class 52 Rating, Deduct	*-475.82*	
		For Class 54 Rating, Add	*659.40*	
		For Class 55 Rating, Add	*985.72*	
		For Class 56 Rating, Add	*1,307.71*	
40 05 19 00-0769	EA	14" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,417.82	583.34
		For Class 52 Rating, Deduct	*-498.74*	
		For Class 54 Rating, Add	*690.70*	
		For Class 55 Rating, Add	*1,032.29*	
		For Class 56 Rating, Add	*1,369.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0770	EA	14" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,631.04	586.57
		For Class 52 Rating, Deduct	*-521.65*	
		For Class 54 Rating, Add	*722.01*	
		For Class 55 Rating, Add	*1,078.86*	
		For Class 56 Rating, Add	*1,430.97*	
40 05 19 00-0771	EA	14" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,844.24	589.80
		For Class 52 Rating, Deduct	*-544.57*	
		For Class 54 Rating, Add	*753.32*	
		For Class 55 Rating, Add	*1,125.44*	
		For Class 56 Rating, Add	*1,492.60*	
40 05 19 00-0772	EA	14" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,057.46	593.01
		For Class 52 Rating, Deduct	*-567.48*	
		For Class 54 Rating, Add	*784.62*	
		For Class 55 Rating, Add	*1,172.01*	
		For Class 56 Rating, Add	*1,554.24*	
40 05 19 00-0773	EA	14" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,270.66	596.24
		For Class 52 Rating, Deduct	*-590.40*	
		For Class 54 Rating, Add	*815.93*	
		For Class 55 Rating, Add	*1,218.58*	
		For Class 56 Rating, Add	*1,615.87*	
40 05 19 00-0774	EA	14" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,483.87	599.46
		For Class 52 Rating, Deduct	*-613.32*	
		For Class 54 Rating, Add	*847.24*	
		For Class 55 Rating, Add	*1,265.16*	
		For Class 56 Rating, Add	*1,677.50*	
40 05 19 00-0775	EA	14" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,697.08	602.68
		For Class 52 Rating, Deduct	*-636.23*	
		For Class 54 Rating, Add	*878.55*	
		For Class 55 Rating, Add	*1,311.73*	
		For Class 56 Rating, Add	*1,739.13*	
40 05 19 00-0776	EA	14" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,910.28	605.91
		For Class 52 Rating, Deduct	*-659.15*	
		For Class 54 Rating, Add	*909.85*	
		For Class 55 Rating, Add	*1,358.30*	
		For Class 56 Rating, Add	*1,800.76*	
40 05 19 00-0777	EA	14" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,123.50	609.13
		For Class 52 Rating, Deduct	*-682.06*	
		For Class 54 Rating, Add	*941.16*	
		For Class 55 Rating, Add	*1,404.88*	
		For Class 56 Rating, Add	*1,862.39*	
40 05 19 00-0778	EA	14" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,336.70	612.35
		For Class 52 Rating, Deduct	*-704.98*	
		For Class 54 Rating, Add	*972.47*	
		For Class 55 Rating, Add	*1,451.45*	
		For Class 56 Rating, Add	*1,924.02*	
40 05 19 00-0779	EA	14" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,549.90	615.57
		For Class 52 Rating, Deduct	*-727.89*	
		For Class 54 Rating, Add	*1,003.78*	
		For Class 55 Rating, Add	*1,498.02*	
		For Class 56 Rating, Add	*1,985.66*	
40 05 19 00-0780	EA	14" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,763.11	618.80
		For Class 52 Rating, Deduct	*-750.81*	
		For Class 54 Rating, Add	*1,035.08*	
		For Class 55 Rating, Add	*1,544.60*	
		For Class 56 Rating, Add	*2,047.29*	
40 05 19 00-0781	EA	14" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,976.31	622.02
		For Class 52 Rating, Deduct	*-773.72*	
		For Class 54 Rating, Add	*1,066.39*	
		For Class 55 Rating, Add	*1,591.17*	
		For Class 56 Rating, Add	*2,108.92*	
40 05 19 00-0782	EA	14" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,189.53	625.24
		For Class 52 Rating, Deduct	*-796.64*	
		For Class 54 Rating, Add	*1,097.70*	
		For Class 55 Rating, Add	*1,637.74*	
		For Class 56 Rating, Add	*2,170.55*	
40 05 19 00-0783	EA	14" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,402.73	628.47
		For Class 52 Rating, Deduct	*-819.56*	
		For Class 54 Rating, Add	*1,129.00*	
		For Class 55 Rating, Add	*1,684.32*	
		For Class 56 Rating, Add	*2,232.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0784	EA	14" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,615.94	631.68
		For Class 52 Rating, Deduct	*-842.47*	
		For Class 54 Rating, Add	*1,160.31*	
		For Class 55 Rating, Add	*1,730.89*	
		For Class 56 Rating, Add	*2,293.81*	
40 05 19 00-0785	EA	14" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,829.15	634.91
		For Class 52 Rating, Deduct	*-865.39*	
		For Class 54 Rating, Add	*1,191.62*	
		For Class 55 Rating, Add	*1,777.46*	
		For Class 56 Rating, Add	*2,355.44*	
40 05 19 00-0786	EA	14" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,042.35	638.14
		For Class 52 Rating, Deduct	*-888.30*	
		For Class 54 Rating, Add	*1,222.92*	
		For Class 55 Rating, Add	*1,824.04*	
		For Class 56 Rating, Add	*2,417.07*	
40 05 19 00-0787	EA	14" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,255.57	641.36
		For Class 52 Rating, Deduct	*-911.22*	
		For Class 54 Rating, Add	*1,254.23*	
		For Class 55 Rating, Add	*1,870.61*	
		For Class 56 Rating, Add	*2,478.71*	
40 05 19 00-0788	EA	14" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,468.77	644.58
		For Class 52 Rating, Deduct	*-934.13*	
		For Class 54 Rating, Add	*1,285.54*	
		For Class 55 Rating, Add	*1,917.18*	
		For Class 56 Rating, Add	*2,540.34*	
40 05 19 00-0789	EA	14" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,681.98	647.80
		For Class 52 Rating, Deduct	*-957.05*	
		For Class 54 Rating, Add	*1,316.85*	
		For Class 55 Rating, Add	*1,963.76*	
		For Class 56 Rating, Add	*2,601.97*	
40 05 19 00-0790	EA	14" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,895.19	651.03
		For Class 52 Rating, Deduct	*-979.97*	
		For Class 54 Rating, Add	*1,348.15*	
		For Class 55 Rating, Add	*2,010.33*	
		For Class 56 Rating, Add	*2,663.60*	
40 05 19 00-0791	EA	14" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,108.38	654.25
		For Class 52 Rating, Deduct	*-1,002.88*	
		For Class 54 Rating, Add	*1,379.46*	
		For Class 55 Rating, Add	*2,056.90*	
		For Class 56 Rating, Add	*2,725.23*	
40 05 19 00-0792	EA	14" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,321.60	657.47
		For Class 52 Rating, Deduct	*-1,025.80*	
		For Class 54 Rating, Add	*1,410.77*	
		For Class 55 Rating, Add	*2,103.48*	
		For Class 56 Rating, Add	*2,786.86*	
40 05 19 00-0793	EA	14" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,534.80	660.70
		For Class 52 Rating, Deduct	*-1,048.71*	
		For Class 54 Rating, Add	*1,442.08*	
		For Class 55 Rating, Add	*2,150.05*	
		For Class 56 Rating, Add	*2,848.49*	

40 05 19 00-0794 16" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0795	EA	16" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,098.05	618.80
		For Class 52 Rating, Deduct	*-237.65*	
		For Class 54 Rating, Add	*335.32*	
		For Class 55 Rating, Add	*504.29*	
		For Class 56 Rating, Add	*671.09*	
40 05 19 00-0796	EA	16" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,346.37	622.02
		For Class 52 Rating, Deduct	*-264.43*	
		For Class 54 Rating, Add	*371.90*	
		For Class 55 Rating, Add	*558.69*	
		For Class 56 Rating, Add	*743.08*	
40 05 19 00-0797	EA	16" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,594.69	625.24
		For Class 52 Rating, Deduct	*-291.21*	
		For Class 54 Rating, Add	*408.47*	
		For Class 55 Rating, Add	*613.10*	
		For Class 56 Rating, Add	*815.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0798	EA	16" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,843.01	628.47
		For Class 52 Rating, Deduct	*-317.99*	
		For Class 54 Rating, Add	*445.05*	
		For Class 55 Rating, Add	*667.50*	
		For Class 56 Rating, Add	*887.06*	
40 05 19 00-0799	EA	16" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,091.32	631.68
		For Class 52 Rating, Deduct	*-344.76*	
		For Class 54 Rating, Add	*481.62*	
		For Class 55 Rating, Add	*721.90*	
		For Class 56 Rating, Add	*959.05*	
40 05 19 00-0800	EA	16" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,339.65	634.91
		For Class 52 Rating, Deduct	*-371.54*	
		For Class 54 Rating, Add	*518.19*	
		For Class 55 Rating, Add	*776.31*	
		For Class 56 Rating, Add	*1,031.04*	
40 05 19 00-0801	EA	16" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,587.96	638.14
		For Class 52 Rating, Deduct	*-398.32*	
		For Class 54 Rating, Add	*554.77*	
		For Class 55 Rating, Add	*830.71*	
		For Class 56 Rating, Add	*1,103.03*	
40 05 19 00-0802	EA	16" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,836.29	641.36
		For Class 52 Rating, Deduct	*-425.10*	
		For Class 54 Rating, Add	*591.34*	
		For Class 55 Rating, Add	*885.11*	
		For Class 56 Rating, Add	*1,175.02*	
40 05 19 00-0803	EA	16" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,084.60	644.58
		For Class 52 Rating, Deduct	*-451.88*	
		For Class 54 Rating, Add	*627.91*	
		For Class 55 Rating, Add	*939.51*	
		For Class 56 Rating, Add	*1,247.01*	
40 05 19 00-0804	EA	16" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,309.51	647.80
		For Class 52 Rating, Deduct	*-476.08*	
		For Class 54 Rating, Add	*660.98*	
		For Class 55 Rating, Add	*988.70*	
		For Class 56 Rating, Add	*1,312.09*	
40 05 19 00-0805	EA	16" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,581.24	651.03
		For Class 52 Rating, Deduct	*-505.43*	
		For Class 54 Rating, Add	*701.06*	
		For Class 55 Rating, Add	*1,048.32*	
		For Class 56 Rating, Add	*1,390.99*	
40 05 19 00-0806	EA	16" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,829.55	654.25
		For Class 52 Rating, Deduct	*-532.21*	
		For Class 54 Rating, Add	*737.64*	
		For Class 55 Rating, Add	*1,102.72*	
		For Class 56 Rating, Add	*1,462.98*	
40 05 19 00-0807	EA	16" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,077.87	657.47
		For Class 52 Rating, Deduct	*-558.99*	
		For Class 54 Rating, Add	*774.21*	
		For Class 55 Rating, Add	*1,157.13*	
		For Class 56 Rating, Add	*1,534.96*	
40 05 19 00-0808	EA	16" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,326.19	660.70
		For Class 52 Rating, Deduct	*-585.77*	
		For Class 54 Rating, Add	*810.78*	
		For Class 55 Rating, Add	*1,211.53*	
		For Class 56 Rating, Add	*1,606.95*	
40 05 19 00-0809	EA	16" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,574.50	663.91
		For Class 52 Rating, Deduct	*-612.54*	
		For Class 54 Rating, Add	*847.36*	
		For Class 55 Rating, Add	*1,265.93*	
		For Class 56 Rating, Add	*1,678.94*	
40 05 19 00-0810	EA	16" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,822.83	667.14
		For Class 52 Rating, Deduct	*-639.32*	
		For Class 54 Rating, Add	*883.93*	
		For Class 55 Rating, Add	*1,320.34*	
		For Class 56 Rating, Add	*1,750.93*	
40 05 19 00-0811	EA	16" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,071.14	670.37
		For Class 52 Rating, Deduct	*-666.10*	
		For Class 54 Rating, Add	*920.50*	
		For Class 55 Rating, Add	*1,374.74*	
		For Class 56 Rating, Add	*1,822.92*	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0812	EA	16" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,319.47	673.58
		For Class 52 Rating, Deduct	*-692.88*	
		For Class 54 Rating, Add	*957.08*	
		For Class 55 Rating, Add	*1,429.14*	
		For Class 56 Rating, Add	*1,894.91*	
40 05 19 00-0813	EA	16" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,567.78	676.81
		For Class 52 Rating, Deduct	*-719.65*	
		For Class 54 Rating, Add	*993.65*	
		For Class 55 Rating, Add	*1,483.55*	
		For Class 56 Rating, Add	*1,966.90*	
40 05 19 00-0814	EA	16" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,816.10	680.03
		For Class 52 Rating, Deduct	*-746.43*	
		For Class 54 Rating, Add	*1,030.23*	
		For Class 55 Rating, Add	*1,537.95*	
		For Class 56 Rating, Add	*2,038.89*	
40 05 19 00-0815	EA	16" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,064.42	683.25
		For Class 52 Rating, Deduct	*-773.21*	
		For Class 54 Rating, Add	*1,066.80*	
		For Class 55 Rating, Add	*1,592.35*	
		For Class 56 Rating, Add	*2,110.88*	
40 05 19 00-0816	EA	16" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,312.74	686.48
		For Class 52 Rating, Deduct	*-799.99*	
		For Class 54 Rating, Add	*1,103.37*	
		For Class 55 Rating, Add	*1,646.76*	
		For Class 56 Rating, Add	*2,182.87*	
40 05 19 00-0817	EA	16" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,561.06	689.70
		For Class 52 Rating, Deduct	*-826.77*	
		For Class 54 Rating, Add	*1,139.95*	
		For Class 55 Rating, Add	*1,701.16*	
		For Class 56 Rating, Add	*2,254.86*	
40 05 19 00-0818	EA	16" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,809.37	692.93
		For Class 52 Rating, Deduct	*-853.54*	
		For Class 54 Rating, Add	*1,176.52*	
		For Class 55 Rating, Add	*1,755.56*	
		For Class 56 Rating, Add	*2,326.85*	
40 05 19 00-0819	EA	16" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,057.68	696.15
		For Class 52 Rating, Deduct	*-880.32*	
		For Class 54 Rating, Add	*1,213.10*	
		For Class 55 Rating, Add	*1,809.97*	
		For Class 56 Rating, Add	*2,398.83*	
40 05 19 00-0820	EA	16" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,306.01	699.37
		For Class 52 Rating, Deduct	*-907.10*	
		For Class 54 Rating, Add	*1,249.67*	
		For Class 55 Rating, Add	*1,864.37*	
		For Class 56 Rating, Add	*2,470.82*	
40 05 19 00-0821	EA	16" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,554.32	702.60
		For Class 52 Rating, Deduct	*-933.88*	
		For Class 54 Rating, Add	*1,286.24*	
		For Class 55 Rating, Add	*1,918.77*	
		For Class 56 Rating, Add	*2,542.81*	
40 05 19 00-0822	EA	16" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,802.65	705.81
		For Class 52 Rating, Deduct	*-960.66*	
		For Class 54 Rating, Add	*1,322.82*	
		For Class 55 Rating, Add	*1,973.18*	
		For Class 56 Rating, Add	*2,614.80*	
40 05 19 00-0823	EA	16" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,050.96	709.04
		For Class 52 Rating, Deduct	*-987.43*	
		For Class 54 Rating, Add	*1,359.39*	
		For Class 55 Rating, Add	*2,027.58*	
		For Class 56 Rating, Add	*2,686.79*	
40 05 19 00-0824	EA	16" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,299.28	712.27
		For Class 52 Rating, Deduct	*-1,014.21*	
		For Class 54 Rating, Add	*1,395.97*	
		For Class 55 Rating, Add	*2,081.98*	
		For Class 56 Rating, Add	*2,758.78*	
40 05 19 00-0825	EA	16" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,547.60	715.48
		For Class 52 Rating, Deduct	*-1,040.99*	
		For Class 54 Rating, Add	*1,432.54*	
		For Class 55 Rating, Add	*2,136.38*	
		For Class 56 Rating, Add	*2,830.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0826	EA	16" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,795.92	718.71
		For Class 52 Rating, Deduct	*-1,067.77*	
		For Class 54 Rating, Add	*1,469.11*	
		For Class 55 Rating, Add	*2,190.79*	
		For Class 56 Rating, Add	*2,902.76*	
40 05 19 00-0827	EA	16" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,044.24	721.93
		For Class 52 Rating, Deduct	*-1,094.54*	
		For Class 54 Rating, Add	*1,505.69*	
		For Class 55 Rating, Add	*2,245.19*	
		For Class 56 Rating, Add	*2,974.75*	
40 05 19 00-0828	EA	16" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,292.56	725.15
		For Class 52 Rating, Deduct	*-1,121.32*	
		For Class 54 Rating, Add	*1,542.26*	
		For Class 55 Rating, Add	*2,299.60*	
		For Class 56 Rating, Add	*3,046.74*	
40 05 19 00-0829	EA	16" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,540.87	728.38
		For Class 52 Rating, Deduct	*-1,148.10*	
		For Class 54 Rating, Add	*1,578.83*	
		For Class 55 Rating, Add	*2,354.00*	
		For Class 56 Rating, Add	*3,118.72*	
40 05 19 00-0830	EA	16" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,789.20	731.60
		For Class 52 Rating, Deduct	*-1,174.88*	
		For Class 54 Rating, Add	*1,615.41*	
		For Class 55 Rating, Add	*2,408.40*	
		For Class 56 Rating, Add	*3,190.72*	
40 05 19 00-0831	EA	16" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,037.50	734.82
		For Class 52 Rating, Deduct	*-1,201.66*	
		For Class 54 Rating, Add	*1,651.98*	
		For Class 55 Rating, Add	*2,462.80*	
		For Class 56 Rating, Add	*3,262.70*	
40 05 19 00-0832	EA	16" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,285.83	738.04
		For Class 52 Rating, Deduct	*-1,228.43*	
		For Class 54 Rating, Add	*1,688.56*	
		For Class 55 Rating, Add	*2,517.21*	
		For Class 56 Rating, Add	*3,334.69*	

40 05 19 00-0833 18" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0834	EA	18" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,619.81	697.45
		For Class 52 Rating, Deduct	*-281.94*	
		For Class 54 Rating, Add	*397.14*	
		For Class 55 Rating, Add	*596.93*	
		For Class 56 Rating, Add	*794.15*	
40 05 19 00-0835	EA	18" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,905.58	700.66
		For Class 52 Rating, Deduct	*-312.84*	
		For Class 54 Rating, Add	*439.33*	
		For Class 55 Rating, Add	*659.68*	
		For Class 56 Rating, Add	*877.19*	
40 05 19 00-0836	EA	18" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,191.35	703.89
		For Class 52 Rating, Deduct	*-343.73*	
		For Class 54 Rating, Add	*481.53*	
		For Class 55 Rating, Add	*722.44*	
		For Class 56 Rating, Add	*960.23*	
40 05 19 00-0837	EA	18" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,477.12	707.11
		For Class 52 Rating, Deduct	*-374.63*	
		For Class 54 Rating, Add	*523.72*	
		For Class 55 Rating, Add	*785.20*	
		For Class 56 Rating, Add	*1,043.27*	
40 05 19 00-0838	EA	18" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,762.89	710.33
		For Class 52 Rating, Deduct	*-405.53*	
		For Class 54 Rating, Add	*565.91*	
		For Class 55 Rating, Add	*847.95*	
		For Class 56 Rating, Add	*1,126.30*	
40 05 19 00-0839	EA	18" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,048.66	713.56
		For Class 52 Rating, Deduct	*-436.43*	
		For Class 54 Rating, Add	*608.10*	
		For Class 55 Rating, Add	*910.70*	
		For Class 56 Rating, Add	*1,209.34*	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0840	EA	18" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,334.43	716.78
		For Class 52 Rating, Deduct	*-467.33*	
		For Class 54 Rating, Add	*650.29*	
		For Class 55 Rating, Add	*973.46*	
		For Class 56 Rating, Add	*1,292.38*	
40 05 19 00-0841	EA	18" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,620.19	720.00
		For Class 52 Rating, Deduct	*-498.22*	
		For Class 54 Rating, Add	*692.48*	
		For Class 55 Rating, Add	*1,036.21*	
		For Class 56 Rating, Add	*1,375.41*	
40 05 19 00-0842	EA	18" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,905.96	723.22
		For Class 52 Rating, Deduct	*-529.12*	
		For Class 54 Rating, Add	*734.68*	
		For Class 55 Rating, Add	*1,098.97*	
		For Class 56 Rating, Add	*1,458.45*	
40 05 19 00-0843	EA	18" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,191.74	726.45
		For Class 52 Rating, Deduct	*-560.02*	
		For Class 54 Rating, Add	*776.87*	
		For Class 55 Rating, Add	*1,161.72*	
		For Class 56 Rating, Add	*1,541.49*	
40 05 19 00-0844	EA	18" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,477.50	729.67
		For Class 52 Rating, Deduct	*-590.91*	
		For Class 54 Rating, Add	*819.06*	
		For Class 55 Rating, Add	*1,224.48*	
		For Class 56 Rating, Add	*1,624.53*	
40 05 19 00-0845	EA	18" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,763.28	732.89
		For Class 52 Rating, Deduct	*-621.81*	
		For Class 54 Rating, Add	*861.25*	
		For Class 55 Rating, Add	*1,287.23*	
		For Class 56 Rating, Add	*1,707.56*	
40 05 19 00-0846	EA	18" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,049.05	736.12
		For Class 52 Rating, Deduct	*-652.71*	
		For Class 54 Rating, Add	*903.44*	
		For Class 55 Rating, Add	*1,349.99*	
		For Class 56 Rating, Add	*1,790.60*	
40 05 19 00-0847	EA	18" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,334.81	739.33
		For Class 52 Rating, Deduct	*-683.61*	
		For Class 54 Rating, Add	*945.63*	
		For Class 55 Rating, Add	*1,412.74*	
		For Class 56 Rating, Add	*1,873.64*	
40 05 19 00-0848	EA	18" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,620.59	742.56
		For Class 52 Rating, Deduct	*-714.51*	
		For Class 54 Rating, Add	*987.83*	
		For Class 55 Rating, Add	*1,475.50*	
		For Class 56 Rating, Add	*1,956.68*	
40 05 19 00-0849	EA	18" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,906.35	745.79
		For Class 52 Rating, Deduct	*-745.40*	
		For Class 54 Rating, Add	*1,030.02*	
		For Class 55 Rating, Add	*1,538.25*	
		For Class 56 Rating, Add	*2,039.71*	
40 05 19 00-0850	EA	18" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,192.13	749.01
		For Class 52 Rating, Deduct	*-776.30*	
		For Class 54 Rating, Add	*1,072.21*	
		For Class 55 Rating, Add	*1,601.01*	
		For Class 56 Rating, Add	*2,122.75*	
40 05 19 00-0851	EA	18" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,477.90	752.23
		For Class 52 Rating, Deduct	*-807.20*	
		For Class 54 Rating, Add	*1,114.40*	
		For Class 55 Rating, Add	*1,663.76*	
		For Class 56 Rating, Add	*2,205.79*	
40 05 19 00-0852	EA	18" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,763.65	755.45
		For Class 52 Rating, Deduct	*-838.09*	
		For Class 54 Rating, Add	*1,156.59*	
		For Class 55 Rating, Add	*1,726.52*	
		For Class 56 Rating, Add	*2,288.82*	
40 05 19 00-0853	EA	18" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,049.43	758.68
		For Class 52 Rating, Deduct	*-868.99*	
		For Class 54 Rating, Add	*1,198.78*	
		For Class 55 Rating, Add	*1,789.27*	
		For Class 56 Rating, Add	*2,371.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0854	EA	18" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,335.20	761.90
		For Class 52 Rating, Deduct	*-899.89*	
		For Class 54 Rating, Add	*1,240.98*	
		For Class 55 Rating, Add	*1,852.03*	
		For Class 56 Rating, Add	*2,454.90*	
40 05 19 00-0855	EA	18" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,620.97	765.12
		For Class 52 Rating, Deduct	*-930.79*	
		For Class 54 Rating, Add	*1,283.17*	
		For Class 55 Rating, Add	*1,914.78*	
		For Class 56 Rating, Add	*2,537.94*	
40 05 19 00-0856	EA	18" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,906.74	768.35
		For Class 52 Rating, Deduct	*-961.68*	
		For Class 54 Rating, Add	*1,325.36*	
		For Class 55 Rating, Add	*1,977.54*	
		For Class 56 Rating, Add	*2,620.97*	
40 05 19 00-0857	EA	18" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,192.51	771.57
		For Class 52 Rating, Deduct	*-992.58*	
		For Class 54 Rating, Add	*1,367.55*	
		For Class 55 Rating, Add	*2,040.29*	
		For Class 56 Rating, Add	*2,704.01*	
40 05 19 00-0858	EA	18" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,478.28	774.79
		For Class 52 Rating, Deduct	*-1,023.48*	
		For Class 54 Rating, Add	*1,409.74*	
		For Class 55 Rating, Add	*2,103.05*	
		For Class 56 Rating, Add	*2,787.05*	
40 05 19 00-0859	EA	18" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,764.05	778.02
		For Class 52 Rating, Deduct	*-1,054.38*	
		For Class 54 Rating, Add	*1,451.93*	
		For Class 55 Rating, Add	*2,165.80*	
		For Class 56 Rating, Add	*2,870.09*	
40 05 19 00-0860	EA	18" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,049.82	781.23
		For Class 52 Rating, Deduct	*-1,085.27*	
		For Class 54 Rating, Add	*1,494.12*	
		For Class 55 Rating, Add	*2,228.56*	
		For Class 56 Rating, Add	*2,953.12*	
40 05 19 00-0861	EA	18" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,335.59	784.46
		For Class 52 Rating, Deduct	*-1,116.17*	
		For Class 54 Rating, Add	*1,536.32*	
		For Class 55 Rating, Add	*2,291.31*	
		For Class 56 Rating, Add	*3,036.16*	
40 05 19 00-0862	EA	18" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,621.36	787.69
		For Class 52 Rating, Deduct	*-1,147.07*	
		For Class 54 Rating, Add	*1,578.51*	
		For Class 55 Rating, Add	*2,354.07*	
		For Class 56 Rating, Add	*3,119.20*	
40 05 19 00-0863	EA	18" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,907.13	790.90
		For Class 52 Rating, Deduct	*-1,177.97*	
		For Class 54 Rating, Add	*1,620.70*	
		For Class 55 Rating, Add	*2,416.82*	
		For Class 56 Rating, Add	*3,202.23*	
40 05 19 00-0864	EA	18" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,192.90	794.13
		For Class 52 Rating, Deduct	*-1,208.86*	
		For Class 54 Rating, Add	*1,662.89*	
		For Class 55 Rating, Add	*2,479.58*	
		For Class 56 Rating, Add	*3,285.27*	
40 05 19 00-0865	EA	18" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,478.67	797.35
		For Class 52 Rating, Deduct	*-1,239.76*	
		For Class 54 Rating, Add	*1,705.08*	
		For Class 55 Rating, Add	*2,542.33*	
		For Class 56 Rating, Add	*3,368.31*	
40 05 19 00-0866	EA	18" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,764.43	800.57
		For Class 52 Rating, Deduct	*-1,270.66*	
		For Class 54 Rating, Add	*1,747.27*	
		For Class 55 Rating, Add	*2,605.08*	
		For Class 56 Rating, Add	*3,451.35*	
40 05 19 00-0867	EA	18" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,050.20	803.80
		For Class 52 Rating, Deduct	*-1,301.56*	
		For Class 54 Rating, Add	*1,789.47*	
		For Class 55 Rating, Add	*2,667.84*	
		For Class 56 Rating, Add	*3,534.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0868	EA	18" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,335.98	807.02
		For Class 52 Rating, Deduct	*-1,332.46*	
		For Class 54 Rating, Add	*1,831.66*	
		For Class 55 Rating, Add	*2,730.60*	
		For Class 56 Rating, Add	*3,617.42*	
40 05 19 00-0869	EA	18" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,621.74	810.25
		For Class 52 Rating, Deduct	*-1,363.35*	
		For Class 54 Rating, Add	*1,873.85*	
		For Class 55 Rating, Add	*2,793.35*	
		For Class 56 Rating, Add	*3,700.46*	
40 05 19 00-0870	EA	18" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,907.52	813.46
		For Class 52 Rating, Deduct	*-1,394.25*	
		For Class 54 Rating, Add	*1,916.04*	
		For Class 55 Rating, Add	*2,856.11*	
		For Class 56 Rating, Add	*3,783.50*	
40 05 19 00-0871	EA	18" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,193.29	816.69
		For Class 52 Rating, Deduct	*-1,425.15*	
		For Class 54 Rating, Add	*1,958.23*	
		For Class 55 Rating, Add	*2,918.86*	
		For Class 56 Rating, Add	*3,866.53*	

40 05 19 00-0872 20" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0873	EA	20" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,199.93	796.05
		For Class 52 Rating, Deduct	*-329.32*	
		For Class 54 Rating, Add	*463.54*	
		For Class 55 Rating, Add	*696.56*	
		For Class 56 Rating, Add	*926.59*	
40 05 19 00-0874	EA	20" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,527.83	799.28
		For Class 52 Rating, Deduct	*-364.85*	
		For Class 54 Rating, Add	*512.05*	
		For Class 55 Rating, Add	*768.71*	
		For Class 56 Rating, Add	*1,022.05*	
40 05 19 00-0875	EA	20" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,855.74	802.50
		For Class 52 Rating, Deduct	*-400.38*	
		For Class 54 Rating, Add	*560.56*	
		For Class 55 Rating, Add	*840.86*	
		For Class 56 Rating, Add	*1,117.52*	
40 05 19 00-0876	EA	20" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,183.64	805.73
		For Class 52 Rating, Deduct	*-435.91*	
		For Class 54 Rating, Add	*609.08*	
		For Class 55 Rating, Add	*913.01*	
		For Class 56 Rating, Add	*1,212.99*	
40 05 19 00-0877	EA	20" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,511.54	808.95
		For Class 52 Rating, Deduct	*-471.44*	
		For Class 54 Rating, Add	*657.59*	
		For Class 55 Rating, Add	*985.16*	
		For Class 56 Rating, Add	*1,308.45*	
40 05 19 00-0878	EA	20" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,839.44	812.17
		For Class 52 Rating, Deduct	*-506.98*	
		For Class 54 Rating, Add	*706.10*	
		For Class 55 Rating, Add	*1,057.31*	
		For Class 56 Rating, Add	*1,403.92*	
40 05 19 00-0879	EA	20" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,167.34	815.40
		For Class 52 Rating, Deduct	*-542.51*	
		For Class 54 Rating, Add	*754.61*	
		For Class 55 Rating, Add	*1,129.46*	
		For Class 56 Rating, Add	*1,499.39*	
40 05 19 00-0880	EA	20" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,495.25	818.61
		For Class 52 Rating, Deduct	*-578.04*	
		For Class 54 Rating, Add	*803.12*	
		For Class 55 Rating, Add	*1,201.62*	
		For Class 56 Rating, Add	*1,594.85*	
40 05 19 00-0881	EA	20" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,823.15	821.84
		For Class 52 Rating, Deduct	*-613.57*	
		For Class 54 Rating, Add	*851.63*	
		For Class 55 Rating, Add	*1,273.77*	
		For Class 56 Rating, Add	*1,690.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0882	EA	20" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,151.05	825.07
		For Class 52 Rating, Deduct	*-649.11*	
		For Class 54 Rating, Add	*900.15*	
		For Class 55 Rating, Add	*1,345.92*	
		For Class 56 Rating, Add	*1,785.79*	
40 05 19 00-0883	EA	20" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,478.95	828.28
		For Class 52 Rating, Deduct	*-684.64*	
		For Class 54 Rating, Add	*948.66*	
		For Class 55 Rating, Add	*1,418.06*	
		For Class 56 Rating, Add	*1,881.25*	
40 05 19 00-0884	EA	20" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,806.85	831.51
		For Class 52 Rating, Deduct	*-720.17*	
		For Class 54 Rating, Add	*997.17*	
		For Class 55 Rating, Add	*1,490.22*	
		For Class 56 Rating, Add	*1,976.72*	
40 05 19 00-0885	EA	20" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,134.76	834.73
		For Class 52 Rating, Deduct	*-755.70*	
		For Class 54 Rating, Add	*1,045.68*	
		For Class 55 Rating, Add	*1,562.37*	
		For Class 56 Rating, Add	*2,072.18*	
40 05 19 00-0886	EA	20" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,462.66	837.95
		For Class 52 Rating, Deduct	*-791.23*	
		For Class 54 Rating, Add	*1,094.19*	
		For Class 55 Rating, Add	*1,634.52*	
		For Class 56 Rating, Add	*2,167.65*	
40 05 19 00-0887	EA	20" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,790.56	841.18
		For Class 52 Rating, Deduct	*-826.77*	
		For Class 54 Rating, Add	*1,142.70*	
		For Class 55 Rating, Add	*1,706.67*	
		For Class 56 Rating, Add	*2,263.12*	
40 05 19 00-0888	EA	20" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,118.47	844.40
		For Class 52 Rating, Deduct	*-862.30*	
		For Class 54 Rating, Add	*1,191.21*	
		For Class 55 Rating, Add	*1,778.82*	
		For Class 56 Rating, Add	*2,358.58*	
40 05 19 00-0889	EA	20" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,446.37	847.62
		For Class 52 Rating, Deduct	*-897.83*	
		For Class 54 Rating, Add	*1,239.72*	
		For Class 55 Rating, Add	*1,850.97*	
		For Class 56 Rating, Add	*2,454.05*	
40 05 19 00-0890	EA	20" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,774.27	850.85
		For Class 52 Rating, Deduct	*-933.36*	
		For Class 54 Rating, Add	*1,288.24*	
		For Class 55 Rating, Add	*1,923.12*	
		For Class 56 Rating, Add	*2,549.52*	
40 05 19 00-0891	EA	20" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,102.17	854.07
		For Class 52 Rating, Deduct	*-968.89*	
		For Class 54 Rating, Add	*1,336.75*	
		For Class 55 Rating, Add	*1,995.27*	
		For Class 56 Rating, Add	*2,644.98*	
40 05 19 00-0892	EA	20" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,430.07	857.30
		For Class 52 Rating, Deduct	*-1,004.43*	
		For Class 54 Rating, Add	*1,385.26*	
		For Class 55 Rating, Add	*2,067.42*	
		For Class 56 Rating, Add	*2,740.45*	
40 05 19 00-0893	EA	20" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,757.98	860.51
		For Class 52 Rating, Deduct	*-1,039.96*	
		For Class 54 Rating, Add	*1,433.77*	
		For Class 55 Rating, Add	*2,139.57*	
		For Class 56 Rating, Add	*2,835.92*	
40 05 19 00-0894	EA	20" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,085.88	863.74
		For Class 52 Rating, Deduct	*-1,075.49*	
		For Class 54 Rating, Add	*1,482.28*	
		For Class 55 Rating, Add	*2,211.72*	
		For Class 56 Rating, Add	*2,931.38*	
40 05 19 00-0895	EA	20" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,413.79	866.97
		For Class 52 Rating, Deduct	*-1,111.02*	
		For Class 54 Rating, Add	*1,530.79*	
		For Class 55 Rating, Add	*2,283.87*	
		For Class 56 Rating, Add	*3,026.85*	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0896	EA	20" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,741.69	870.18
		For Class 52 Rating, Deduct	*-1,146.56*	
		For Class 54 Rating, Add	*1,579.31*	
		For Class 55 Rating, Add	*2,356.02*	
		For Class 56 Rating, Add	*3,122.32*	
40 05 19 00-0897	EA	20" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,069.59	873.41
		For Class 52 Rating, Deduct	*-1,182.09*	
		For Class 54 Rating, Add	*1,627.82*	
		For Class 55 Rating, Add	*2,428.17*	
		For Class 56 Rating, Add	*3,217.78*	
40 05 19 00-0898	EA	20" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,397.49	876.63
		For Class 52 Rating, Deduct	*-1,217.62*	
		For Class 54 Rating, Add	*1,676.33*	
		For Class 55 Rating, Add	*2,500.32*	
		For Class 56 Rating, Add	*3,313.25*	
40 05 19 00-0899	EA	20" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,725.39	879.85
		For Class 52 Rating, Deduct	*-1,253.15*	
		For Class 54 Rating, Add	*1,724.84*	
		For Class 55 Rating, Add	*2,572.47*	
		For Class 56 Rating, Add	*3,408.71*	
40 05 19 00-0900	EA	20" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,053.30	883.08
		For Class 52 Rating, Deduct	*-1,288.68*	
		For Class 54 Rating, Add	*1,773.35*	
		For Class 55 Rating, Add	*2,644.62*	
		For Class 56 Rating, Add	*3,504.18*	
40 05 19 00-0901	EA	20" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,381.20	886.30
		For Class 52 Rating, Deduct	*-1,324.22*	
		For Class 54 Rating, Add	*1,821.86*	
		For Class 55 Rating, Add	*2,716.77*	
		For Class 56 Rating, Add	*3,599.65*	
40 05 19 00-0902	EA	20" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,709.10	889.52
		For Class 52 Rating, Deduct	*-1,359.75*	
		For Class 54 Rating, Add	*1,870.37*	
		For Class 55 Rating, Add	*2,788.93*	
		For Class 56 Rating, Add	*3,695.11*	
40 05 19 00-0903	EA	20" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,037.00	892.74
		For Class 52 Rating, Deduct	*-1,395.28*	
		For Class 54 Rating, Add	*1,918.89*	
		For Class 55 Rating, Add	*2,861.08*	
		For Class 56 Rating, Add	*3,790.58*	
40 05 19 00-0904	EA	20" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,364.90	895.97
		For Class 52 Rating, Deduct	*-1,430.81*	
		For Class 54 Rating, Add	*1,967.40*	
		For Class 55 Rating, Add	*2,933.23*	
		For Class 56 Rating, Add	*3,886.05*	
40 05 19 00-0905	EA	20" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,692.81	899.19
		For Class 52 Rating, Deduct	*-1,466.34*	
		For Class 54 Rating, Add	*2,015.91*	
		For Class 55 Rating, Add	*3,005.38*	
		For Class 56 Rating, Add	*3,981.51*	
40 05 19 00-0906	EA	20" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,020.71	902.41
		For Class 52 Rating, Deduct	*-1,501.88*	
		For Class 54 Rating, Add	*2,064.42*	
		For Class 55 Rating, Add	*3,077.53*	
		For Class 56 Rating, Add	*4,076.98*	
40 05 19 00-0907	EA	20" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,348.61	905.64
		For Class 52 Rating, Deduct	*-1,537.41*	
		For Class 54 Rating, Add	*2,112.93*	
		For Class 55 Rating, Add	*3,149.68*	
		For Class 56 Rating, Add	*4,172.45*	
40 05 19 00-0908	EA	20" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,676.52	908.86
		For Class 52 Rating, Deduct	*-1,572.94*	
		For Class 54 Rating, Add	*2,161.44*	
		For Class 55 Rating, Add	*3,221.83*	
		For Class 56 Rating, Add	*4,267.91*	
40 05 19 00-0909	EA	20" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,004.42	912.08
		For Class 52 Rating, Deduct	*-1,608.47*	
		For Class 54 Rating, Add	*2,209.96*	
		For Class 55 Rating, Add	*3,293.98*	
		For Class 56 Rating, Add	*4,363.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0910	EA	20" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,332.33	915.31
		For Class 52 Rating, Deduct	*-1,644.01*	
		For Class 54 Rating, Add	*2,258.47*	
		For Class 55 Rating, Add	*3,366.13*	
		For Class 56 Rating, Add	*4,458.85*	

40 05 19 00-0911 24" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0912	EA	24" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,208.49	941.08
		For Class 52 Rating, Deduct	*-416.09*	
		For Class 54 Rating, Add	*584.50*	
		For Class 55 Rating, Add	*877.74*	
		For Class 56 Rating, Add	*1,167.20*	
40 05 19 00-0913	EA	24" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,613.64	944.31
		For Class 52 Rating, Deduct	*-460.12*	
		For Class 54 Rating, Add	*644.60*	
		For Class 55 Rating, Add	*967.12*	
		For Class 56 Rating, Add	*1,285.45*	
40 05 19 00-0914	EA	24" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,018.79	947.54
		For Class 52 Rating, Deduct	*-504.14*	
		For Class 54 Rating, Add	*704.70*	
		For Class 55 Rating, Add	*1,056.49*	
		For Class 56 Rating, Add	*1,403.71*	
40 05 19 00-0915	EA	24" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,423.93	950.75
		For Class 52 Rating, Deduct	*-548.17*	
		For Class 54 Rating, Add	*764.79*	
		For Class 55 Rating, Add	*1,145.87*	
		For Class 56 Rating, Add	*1,521.96*	
40 05 19 00-0916	EA	24" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,829.08	953.98
		For Class 52 Rating, Deduct	*-592.20*	
		For Class 54 Rating, Add	*824.89*	
		For Class 55 Rating, Add	*1,235.25*	
		For Class 56 Rating, Add	*1,640.21*	
40 05 19 00-0917	EA	24" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,234.23	957.20
		For Class 52 Rating, Deduct	*-636.23*	
		For Class 54 Rating, Add	*884.99*	
		For Class 55 Rating, Add	*1,324.62*	
		For Class 56 Rating, Add	*1,758.47*	
40 05 19 00-0918	EA	24" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,639.37	960.42
		For Class 52 Rating, Deduct	*-680.26*	
		For Class 54 Rating, Add	*945.09*	
		For Class 55 Rating, Add	*1,414.00*	
		For Class 56 Rating, Add	*1,876.72*	
40 05 19 00-0919	EA	24" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,044.53	963.65
		For Class 52 Rating, Deduct	*-724.29*	
		For Class 54 Rating, Add	*1,005.19*	
		For Class 55 Rating, Add	*1,503.37*	
		For Class 56 Rating, Add	*1,994.98*	
40 05 19 00-0920	EA	24" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,449.67	966.87
		For Class 52 Rating, Deduct	*-768.32*	
		For Class 54 Rating, Add	*1,065.29*	
		For Class 55 Rating, Add	*1,592.75*	
		For Class 56 Rating, Add	*2,113.23*	
40 05 19 00-0921	EA	24" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,854.81	970.10
		For Class 52 Rating, Deduct	*-812.35*	
		For Class 54 Rating, Add	*1,125.38*	
		For Class 55 Rating, Add	*1,682.12*	
		For Class 56 Rating, Add	*2,231.48*	
40 05 19 00-0922	EA	24" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,259.95	973.31
		For Class 52 Rating, Deduct	*-856.38*	
		For Class 54 Rating, Add	*1,185.48*	
		For Class 55 Rating, Add	*1,771.50*	
		For Class 56 Rating, Add	*2,349.73*	
40 05 19 00-0923	EA	24" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,665.10	976.54
		For Class 52 Rating, Deduct	*-900.41*	
		For Class 54 Rating, Add	*1,245.58*	
		For Class 55 Rating, Add	*1,860.88*	
		For Class 56 Rating, Add	*2,467.99*	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0924	EA	24" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,070.25	979.77
		For Class 52 Rating, Deduct	*-944.43*	
		For Class 54 Rating, Add	*1,305.68*	
		For Class 55 Rating, Add	*1,950.25*	
		For Class 56 Rating, Add	*2,586.24*	
40 05 19 00-0925	EA	24" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,475.39	982.98
		For Class 52 Rating, Deduct	*-988.46*	
		For Class 54 Rating, Add	*1,365.78*	
		For Class 55 Rating, Add	*2,039.63*	
		For Class 56 Rating, Add	*2,704.49*	
40 05 19 00-0926	EA	24" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,880.54	986.21
		For Class 52 Rating, Deduct	*-1,032.49*	
		For Class 54 Rating, Add	*1,425.87*	
		For Class 55 Rating, Add	*2,129.00*	
		For Class 56 Rating, Add	*2,822.75*	
40 05 19 00-0927	EA	24" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,285.69	989.43
		For Class 52 Rating, Deduct	*-1,076.52*	
		For Class 54 Rating, Add	*1,485.97*	
		For Class 55 Rating, Add	*2,218.38*	
		For Class 56 Rating, Add	*2,941.00*	
40 05 19 00-0928	EA	24" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,690.83	992.65
		For Class 52 Rating, Deduct	*-1,120.55*	
		For Class 54 Rating, Add	*1,546.07*	
		For Class 55 Rating, Add	*2,307.76*	
		For Class 56 Rating, Add	*3,059.25*	
40 05 19 00-0929	EA	24" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,095.99	995.88
		For Class 52 Rating, Deduct	*-1,164.58*	
		For Class 54 Rating, Add	*1,606.17*	
		For Class 55 Rating, Add	*2,397.13*	
		For Class 56 Rating, Add	*3,177.51*	
40 05 19 00-0930	EA	24" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,501.13	999.10
		For Class 52 Rating, Deduct	*-1,208.61*	
		For Class 54 Rating, Add	*1,666.27*	
		For Class 55 Rating, Add	*2,486.51*	
		For Class 56 Rating, Add	*3,295.76*	
40 05 19 00-0931	EA	24" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,906.28	1,002.32
		For Class 52 Rating, Deduct	*-1,252.64*	
		For Class 54 Rating, Add	*1,726.36*	
		For Class 55 Rating, Add	*2,575.88*	
		For Class 56 Rating, Add	*3,414.01*	
40 05 19 00-0932	EA	24" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,311.43	1,005.55
		For Class 52 Rating, Deduct	*-1,296.67*	
		For Class 54 Rating, Add	*1,786.46*	
		For Class 55 Rating, Add	*2,665.26*	
		For Class 56 Rating, Add	*3,532.27*	
40 05 19 00-0933	EA	24" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,716.57	1,008.77
		For Class 52 Rating, Deduct	*-1,340.69*	
		For Class 54 Rating, Add	*1,846.56*	
		For Class 55 Rating, Add	*2,754.64*	
		For Class 56 Rating, Add	*3,650.52*	
40 05 19 00-0934	EA	24" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,121.71	1,011.99
		For Class 52 Rating, Deduct	*-1,384.72*	
		For Class 54 Rating, Add	*1,906.66*	
		For Class 55 Rating, Add	*2,844.01*	
		For Class 56 Rating, Add	*3,768.77*	
40 05 19 00-0935	EA	24" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,526.86	1,015.21
		For Class 52 Rating, Deduct	*-1,428.75*	
		For Class 54 Rating, Add	*1,966.76*	
		For Class 55 Rating, Add	*2,933.39*	
		For Class 56 Rating, Add	*3,887.03*	
40 05 19 00-0936	EA	24" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,932.00	1,018.44
		For Class 52 Rating, Deduct	*-1,472.78*	
		For Class 54 Rating, Add	*2,026.85*	
		For Class 55 Rating, Add	*3,022.76*	
		For Class 56 Rating, Add	*4,005.28*	
40 05 19 00-0937	EA	24" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,337.15	1,021.67
		For Class 52 Rating, Deduct	*-1,516.81*	
		For Class 54 Rating, Add	*2,086.95*	
		For Class 55 Rating, Add	*3,112.14*	
		For Class 56 Rating, Add	*4,123.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0938	EA	24" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,742.29	1,024.88
		For Class 52 Rating, Deduct	*-1,560.84*	
		For Class 54 Rating, Add	*2,147.05*	
		For Class 55 Rating, Add	*3,201.51*	
		For Class 56 Rating, Add	*4,241.79*	
40 05 19 00-0939	EA	24" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,147.45	1,028.11
		For Class 52 Rating, Deduct	*-1,604.87*	
		For Class 54 Rating, Add	*2,207.15*	
		For Class 55 Rating, Add	*3,290.89*	
		For Class 56 Rating, Add	*4,360.04*	
40 05 19 00-0940	EA	24" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,552.59	1,031.33
		For Class 52 Rating, Deduct	*-1,648.90*	
		For Class 54 Rating, Add	*2,267.25*	
		For Class 55 Rating, Add	*3,380.27*	
		For Class 56 Rating, Add	*4,478.30*	
40 05 19 00-0941	EA	24" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,040.74	1,089.34
		For Class 52 Rating, Deduct	*-1,692.93*	
		For Class 54 Rating, Add	*2,328.34*	
		For Class 55 Rating, Add	*3,471.63*	
		For Class 56 Rating, Add	*4,599.54*	
40 05 19 00-0942	EA	24" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,445.90	1,092.57
		For Class 52 Rating, Deduct	*-1,736.96*	
		For Class 54 Rating, Add	*2,388.44*	
		For Class 55 Rating, Add	*3,561.01*	
		For Class 56 Rating, Add	*4,717.79*	
40 05 19 00-0943	EA	24" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,851.04	1,095.78
		For Class 52 Rating, Deduct	*-1,780.98*	
		For Class 54 Rating, Add	*2,448.54*	
		For Class 55 Rating, Add	*3,650.39*	
		For Class 56 Rating, Add	*4,836.04*	
40 05 19 00-0944	EA	24" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,256.19	1,099.01
		For Class 52 Rating, Deduct	*-1,825.01*	
		For Class 54 Rating, Add	*2,508.64*	
		For Class 55 Rating, Add	*3,739.76*	
		For Class 56 Rating, Add	*4,954.30*	
40 05 19 00-0945	EA	24" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,661.34	1,102.24
		For Class 52 Rating, Deduct	*-1,869.04*	
		For Class 54 Rating, Add	*2,568.73*	
		For Class 55 Rating, Add	*3,829.14*	
		For Class 56 Rating, Add	*5,072.55*	
40 05 19 00-0946	EA	24" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,066.48	1,105.45
		For Class 52 Rating, Deduct	*-1,913.07*	
		For Class 54 Rating, Add	*2,628.83*	
		For Class 55 Rating, Add	*3,918.51*	
		For Class 56 Rating, Add	*5,190.80*	
40 05 19 00-0947	EA	24" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,471.63	1,108.68
		For Class 52 Rating, Deduct	*-1,957.10*	
		For Class 54 Rating, Add	*2,688.93*	
		For Class 55 Rating, Add	*4,007.89*	
		For Class 56 Rating, Add	*5,309.06*	
40 05 19 00-0948	EA	24" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,876.78	1,111.90
		For Class 52 Rating, Deduct	*-2,001.13*	
		For Class 54 Rating, Add	*2,749.03*	
		For Class 55 Rating, Add	*4,097.27*	
		For Class 56 Rating, Add	*5,427.31*	
40 05 19 00-0949	EA	24" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,281.93	1,115.12
		For Class 52 Rating, Deduct	*-2,045.16*	
		For Class 54 Rating, Add	*2,809.13*	
		For Class 55 Rating, Add	*4,186.64*	
		For Class 56 Rating, Add	*5,545.57*	

40 05 19 00-0950 30" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0951	EA	30" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,050.93	1,327.84
		For Class 52 Rating, Deduct	*-664.30*	
		For Class 54 Rating, Add	*930.00*	
		For Class 55 Rating, Add	*1,395.00*	
		For Class 56 Rating, Add	*1,853.95*	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0952	EA	30" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,633.97	1,331.06
		For Class 52 Rating, Deduct	*-727.89*	
		For Class 54 Rating, Add	*1,016.78*	
		For Class 55 Rating, Add	*1,524.04*	
		For Class 56 Rating, Add	*2,024.68*	
40 05 19 00-0953	EA	30" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,217.01	1,334.28
		For Class 52 Rating, Deduct	*-791.49*	
		For Class 54 Rating, Add	*1,103.57*	
		For Class 55 Rating, Add	*1,653.09*	
		For Class 56 Rating, Add	*2,195.41*	
40 05 19 00-0954	EA	30" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,800.05	1,337.51
		For Class 52 Rating, Deduct	*-855.09*	
		For Class 54 Rating, Add	*1,190.35*	
		For Class 55 Rating, Add	*1,782.13*	
		For Class 56 Rating, Add	*2,366.15*	
40 05 19 00-0955	EA	30" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,383.10	1,340.72
		For Class 52 Rating, Deduct	*-918.69*	
		For Class 54 Rating, Add	*1,277.13*	
		For Class 55 Rating, Add	*1,911.18*	
		For Class 56 Rating, Add	*2,536.88*	
40 05 19 00-0956	EA	30" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,966.14	1,343.95
		For Class 52 Rating, Deduct	*-982.28*	
		For Class 54 Rating, Add	*1,363.91*	
		For Class 55 Rating, Add	*2,040.23*	
		For Class 56 Rating, Add	*2,707.61*	
40 05 19 00-0957	EA	30" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,549.17	1,347.18
		For Class 52 Rating, Deduct	*-1,045.88*	
		For Class 54 Rating, Add	*1,450.69*	
		For Class 55 Rating, Add	*2,169.27*	
		For Class 56 Rating, Add	*2,878.34*	
40 05 19 00-0958	EA	30" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,132.22	1,350.40
		For Class 52 Rating, Deduct	*-1,109.48*	
		For Class 54 Rating, Add	*1,537.48*	
		For Class 55 Rating, Add	*2,298.32*	
		For Class 56 Rating, Add	*3,049.08*	
40 05 19 00-0959	EA	30" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,715.26	1,353.62
		For Class 52 Rating, Deduct	*-1,173.08*	
		For Class 54 Rating, Add	*1,624.26*	
		For Class 55 Rating, Add	*2,427.37*	
		For Class 56 Rating, Add	*3,219.81*	
40 05 19 00-0960	EA	30" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,298.31	1,356.84
		For Class 52 Rating, Deduct	*-1,236.67*	
		For Class 54 Rating, Add	*1,711.04*	
		For Class 55 Rating, Add	*2,556.41*	
		For Class 56 Rating, Add	*3,390.54*	
40 05 19 00-0961	EA	30" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,881.35	1,360.07
		For Class 52 Rating, Deduct	*-1,300.27*	
		For Class 54 Rating, Add	*1,797.82*	
		For Class 55 Rating, Add	*2,685.46*	
		For Class 56 Rating, Add	*3,561.27*	
40 05 19 00-0962	EA	30" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,464.38	1,363.29
		For Class 52 Rating, Deduct	*-1,363.87*	
		For Class 54 Rating, Add	*1,884.61*	
		For Class 55 Rating, Add	*2,814.50*	
		For Class 56 Rating, Add	*3,732.00*	
40 05 19 00-0963	EA	30" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,047.42	1,366.51
		For Class 52 Rating, Deduct	*-1,427.46*	
		For Class 54 Rating, Add	*1,971.39*	
		For Class 55 Rating, Add	*2,943.55*	
		For Class 56 Rating, Add	*3,902.74*	
40 05 19 00-0964	EA	30" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,630.46	1,369.74
		For Class 52 Rating, Deduct	*-1,491.06*	
		For Class 54 Rating, Add	*2,058.17*	
		For Class 55 Rating, Add	*3,072.60*	
		For Class 56 Rating, Add	*4,073.47*	
40 05 19 00-0965	EA	30" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,213.51	1,372.95
		For Class 52 Rating, Deduct	*-1,554.66*	
		For Class 54 Rating, Add	*2,144.95*	
		For Class 55 Rating, Add	*3,201.64*	
		For Class 56 Rating, Add	*4,244.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0966	EA	30" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,796.55	1,376.18
		For Class 52 Rating, Deduct	*-1,618.26*	
		For Class 54 Rating, Add	*2,231.74*	
		For Class 55 Rating, Add	*3,330.69*	
		For Class 56 Rating, Add	*4,414.94*	
40 05 19 00-0967	EA	30" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,379.58	1,379.41
		For Class 52 Rating, Deduct	*-1,681.85*	
		For Class 54 Rating, Add	*2,318.52*	
		For Class 55 Rating, Add	*3,459.74*	
		For Class 56 Rating, Add	*4,585.67*	
40 05 19 00-0968	EA	30" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,962.63	1,382.62
		For Class 52 Rating, Deduct	*-1,745.45*	
		For Class 54 Rating, Add	*2,405.30*	
		For Class 55 Rating, Add	*3,588.78*	
		For Class 56 Rating, Add	*4,756.40*	
40 05 19 00-0969	EA	30" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,545.67	1,385.85
		For Class 52 Rating, Deduct	*-1,809.05*	
		For Class 54 Rating, Add	*2,492.08*	
		For Class 55 Rating, Add	*3,717.83*	
		For Class 56 Rating, Add	*4,927.13*	
40 05 19 00-0970	EA	30" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,128.72	1,389.07
		For Class 52 Rating, Deduct	*-1,872.65*	
		For Class 54 Rating, Add	*2,578.86*	
		For Class 55 Rating, Add	*3,846.88*	
		For Class 56 Rating, Add	*5,097.87*	
40 05 19 00-0971	EA	30" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,711.75	1,392.29
		For Class 52 Rating, Deduct	*-1,936.24*	
		For Class 54 Rating, Add	*2,665.65*	
		For Class 55 Rating, Add	*3,975.92*	
		For Class 56 Rating, Add	*5,268.60*	
40 05 19 00-0972	EA	30" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,294.79	1,395.52
		For Class 52 Rating, Deduct	*-1,999.84*	
		For Class 54 Rating, Add	*2,752.43*	
		For Class 55 Rating, Add	*4,104.97*	
		For Class 56 Rating, Add	*5,439.33*	
40 05 19 00-0973	EA	30" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,877.84	1,398.74
		For Class 52 Rating, Deduct	*-2,063.44*	
		For Class 54 Rating, Add	*2,839.21*	
		For Class 55 Rating, Add	*4,234.02*	
		For Class 56 Rating, Add	*5,610.06*	
40 05 19 00-0974	EA	30" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,460.88	1,401.97
		For Class 52 Rating, Deduct	*-2,127.04*	
		For Class 54 Rating, Add	*2,925.99*	
		For Class 55 Rating, Add	*4,363.06*	
		For Class 56 Rating, Add	*5,780.79*	
40 05 19 00-0975	EA	30" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,043.92	1,405.18
		For Class 52 Rating, Deduct	*-2,190.63*	
		For Class 54 Rating, Add	*3,012.78*	
		For Class 55 Rating, Add	*4,492.11*	
		For Class 56 Rating, Add	*5,951.53*	
40 05 19 00-0976	EA	30" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,626.95	1,408.41
		For Class 52 Rating, Deduct	*-2,254.23*	
		For Class 54 Rating, Add	*3,099.56*	
		For Class 55 Rating, Add	*4,621.15*	
		For Class 56 Rating, Add	*6,122.26*	
40 05 19 00-0977	EA	30" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,209.99	1,411.64
		For Class 52 Rating, Deduct	*-2,317.83*	
		For Class 54 Rating, Add	*3,186.34*	
		For Class 55 Rating, Add	*4,750.20*	
		For Class 56 Rating, Add	*6,292.99*	
40 05 19 00-0978	EA	30" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,793.04	1,414.85
		For Class 52 Rating, Deduct	*-2,381.43*	
		For Class 54 Rating, Add	*3,273.12*	
		For Class 55 Rating, Add	*4,879.25*	
		For Class 56 Rating, Add	*6,463.72*	
40 05 19 00-0979	EA	30" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,376.08	1,418.08
		For Class 52 Rating, Deduct	*-2,445.02*	
		For Class 54 Rating, Add	*3,359.91*	
		For Class 55 Rating, Add	*5,008.29*	
		For Class 56 Rating, Add	*6,634.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0980	EA	30" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,959.13	1,421.30
		For Class 52 Rating, Deduct	*-2,508.62*	
		For Class 54 Rating, Add	*3,446.69*	
		For Class 55 Rating, Add	*5,137.34*	
		For Class 56 Rating, Add	*6,805.19*	
40 05 19 00-0981	EA	30" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,542.16	1,424.52
		For Class 52 Rating, Deduct	*-2,572.22*	
		For Class 54 Rating, Add	*3,533.47*	
		For Class 55 Rating, Add	*5,266.39*	
		For Class 56 Rating, Add	*6,975.92*	
40 05 19 00-0982	EA	30" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,125.20	1,427.75
		For Class 52 Rating, Deduct	*-2,635.81*	
		For Class 54 Rating, Add	*3,620.25*	
		For Class 55 Rating, Add	*5,395.43*	
		For Class 56 Rating, Add	*7,146.65*	
40 05 19 00-0983	EA	30" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,708.25	1,430.97
		For Class 52 Rating, Deduct	*-2,699.41*	
		For Class 54 Rating, Add	*3,707.03*	
		For Class 55 Rating, Add	*5,524.48*	
		For Class 56 Rating, Add	*7,317.39*	
40 05 19 00-0984	EA	30" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,291.29	1,434.19
		For Class 52 Rating, Deduct	*-2,763.01*	
		For Class 54 Rating, Add	*3,793.82*	
		For Class 55 Rating, Add	*5,653.53*	
		For Class 56 Rating, Add	*7,488.12*	
40 05 19 00-0985	EA	30" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,874.33	1,437.41
		For Class 52 Rating, Deduct	*-2,826.61*	
		For Class 54 Rating, Add	*3,880.60*	
		For Class 55 Rating, Add	*5,782.57*	
		For Class 56 Rating, Add	*7,658.85*	
40 05 19 00-0986	EA	30" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,457.37	1,440.64
		For Class 52 Rating, Deduct	*-2,890.20*	
		For Class 54 Rating, Add	*3,967.38*	
		For Class 55 Rating, Add	*5,911.62*	
		For Class 56 Rating, Add	*7,829.58*	
40 05 19 00-0987	EA	30" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,040.41	1,443.86
		For Class 52 Rating, Deduct	*-2,953.80*	
		For Class 54 Rating, Add	*4,054.16*	
		For Class 55 Rating, Add	*6,040.67*	
		For Class 56 Rating, Add	*8,000.31*	
40 05 19 00-0988	EA	30" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,623.45	1,447.08
		For Class 52 Rating, Deduct	*-3,017.40*	
		For Class 54 Rating, Add	*4,140.95*	
		For Class 55 Rating, Add	*6,169.71*	
		For Class 56 Rating, Add	*8,171.05*	

40 05 19 00-0989 36" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0990	EA	36" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,062.22	1,682.35
		For Class 52 Rating, Deduct	*-936.45*	
		For Class 54 Rating, Add	*1,307.57*	
		For Class 55 Rating, Add	*1,959.62*	
		For Class 56 Rating, Add	*2,603.16*	
40 05 19 00-0991	EA	36" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,853.58	1,685.58
		For Class 52 Rating, Deduct	*-1,022.96*	
		For Class 54 Rating, Add	*1,425.60*	
		For Class 55 Rating, Add	*2,135.12*	
		For Class 56 Rating, Add	*2,835.35*	
40 05 19 00-0992	EA	36" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,644.95	1,688.81
		For Class 52 Rating, Deduct	*-1,109.48*	
		For Class 54 Rating, Add	*1,543.63*	
		For Class 55 Rating, Add	*2,310.62*	
		For Class 56 Rating, Add	*3,067.53*	
40 05 19 00-0993	EA	36" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,436.31	1,692.02
		For Class 52 Rating, Deduct	*-1,195.99*	
		For Class 54 Rating, Add	*1,661.66*	
		For Class 55 Rating, Add	*2,486.13*	
		For Class 56 Rating, Add	*3,299.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0994	EA	36" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,227.69	1,695.25
		For Class 52 Rating, Deduct	*-1,282.50*	
		For Class 54 Rating, Add	*1,779.69*	
		For Class 55 Rating, Add	*2,661.63*	
		For Class 56 Rating, Add	*3,531.91*	
40 05 19 00-0995	EA	36" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,019.05	1,698.47
		For Class 52 Rating, Deduct	*-1,369.02*	
		For Class 54 Rating, Add	*1,897.72*	
		For Class 55 Rating, Add	*2,837.13*	
		For Class 56 Rating, Add	*3,764.10*	
40 05 19 00-0996	EA	36" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,810.41	1,701.69
		For Class 52 Rating, Deduct	*-1,455.53*	
		For Class 54 Rating, Add	*2,015.75*	
		For Class 55 Rating, Add	*3,012.64*	
		For Class 56 Rating, Add	*3,996.29*	
40 05 19 00-0997	EA	36" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,601.78	1,704.92
		For Class 52 Rating, Deduct	*-1,542.04*	
		For Class 54 Rating, Add	*2,133.78*	
		For Class 55 Rating, Add	*3,188.14*	
		For Class 56 Rating, Add	*4,228.47*	
40 05 19 00-0998	EA	36" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,393.14	1,708.14
		For Class 52 Rating, Deduct	*-1,628.56*	
		For Class 54 Rating, Add	*2,251.81*	
		For Class 55 Rating, Add	*3,363.64*	
		For Class 56 Rating, Add	*4,460.66*	
40 05 19 00-0999	EA	36" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,184.52	1,711.36
		For Class 52 Rating, Deduct	*-1,715.07*	
		For Class 54 Rating, Add	*2,369.85*	
		For Class 55 Rating, Add	*3,539.14*	
		For Class 56 Rating, Add	*4,692.85*	
40 05 19 00-1000	EA	36" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,975.88	1,714.58
		For Class 52 Rating, Deduct	*-1,801.58*	
		For Class 54 Rating, Add	*2,487.88*	
		For Class 55 Rating, Add	*3,714.65*	
		For Class 56 Rating, Add	*4,925.04*	
40 05 19 00-1001	EA	36" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,767.24	1,717.81
		For Class 52 Rating, Deduct	*-1,888.10*	
		For Class 54 Rating, Add	*2,605.91*	
		For Class 55 Rating, Add	*3,890.15*	
		For Class 56 Rating, Add	*5,157.23*	
40 05 19 00-1002	EA	36" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,558.60	1,721.03
		For Class 52 Rating, Deduct	*-1,974.61*	
		For Class 54 Rating, Add	*2,723.94*	
		For Class 55 Rating, Add	*4,065.65*	
		For Class 56 Rating, Add	*5,389.41*	
40 05 19 00-1003	EA	36" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,349.96	1,724.25
		For Class 52 Rating, Deduct	*-2,061.12*	
		For Class 54 Rating, Add	*2,841.97*	
		For Class 55 Rating, Add	*4,241.15*	
		For Class 56 Rating, Add	*5,621.60*	
40 05 19 00-1004	EA	36" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,141.34	1,727.48
		For Class 52 Rating, Deduct	*-2,147.63*	
		For Class 54 Rating, Add	*2,960.00*	
		For Class 55 Rating, Add	*4,416.66*	
		For Class 56 Rating, Add	*5,853.79*	
40 05 19 00-1005	EA	36" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,932.70	1,730.70
		For Class 52 Rating, Deduct	*-2,234.15*	
		For Class 54 Rating, Add	*3,078.03*	
		For Class 55 Rating, Add	*4,592.16*	
		For Class 56 Rating, Add	*6,085.98*	
40 05 19 00-1006	EA	36" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,724.06	1,733.92
		For Class 52 Rating, Deduct	*-2,320.66*	
		For Class 54 Rating, Add	*3,196.06*	
		For Class 55 Rating, Add	*4,767.66*	
		For Class 56 Rating, Add	*6,318.17*	
40 05 19 00-1007	EA	36" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,515.43	1,737.15
		For Class 52 Rating, Deduct	*-2,407.17*	
		For Class 54 Rating, Add	*3,314.09*	
		For Class 55 Rating, Add	*4,943.16*	
		For Class 56 Rating, Add	*6,550.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1008	EA	36" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,306.79	1,740.37
		For Class 52 Rating, Deduct	*-2,493.69*	
		For Class 54 Rating, Add	*3,432.12*	
		For Class 55 Rating, Add	*5,118.67*	
		For Class 56 Rating, Add	*6,782.54*	
40 05 19 00-1009	EA	36" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,098.17	1,743.59
		For Class 52 Rating, Deduct	*-2,580.20*	
		For Class 54 Rating, Add	*3,550.16*	
		For Class 55 Rating, Add	*5,294.17*	
		For Class 56 Rating, Add	*7,014.73*	
40 05 19 00-1010	EA	36" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,889.53	1,746.81
		For Class 52 Rating, Deduct	*-2,666.71*	
		For Class 54 Rating, Add	*3,668.19*	
		For Class 55 Rating, Add	*5,469.67*	
		For Class 56 Rating, Add	*7,246.92*	
40 05 19 00-1011	EA	36" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,680.89	1,750.04
		For Class 52 Rating, Deduct	*-2,753.23*	
		For Class 54 Rating, Add	*3,786.22*	
		For Class 55 Rating, Add	*5,645.18*	
		For Class 56 Rating, Add	*7,479.11*	
40 05 19 00-1012	EA	36" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,472.26	1,753.26
		For Class 52 Rating, Deduct	*-2,839.74*	
		For Class 54 Rating, Add	*3,904.25*	
		For Class 55 Rating, Add	*5,820.68*	
		For Class 56 Rating, Add	*7,711.29*	
40 05 19 00-1013	EA	36" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,263.62	1,756.48
		For Class 52 Rating, Deduct	*-2,926.25*	
		For Class 54 Rating, Add	*4,022.28*	
		For Class 55 Rating, Add	*5,996.18*	
		For Class 56 Rating, Add	*7,943.48*	
40 05 19 00-1014	EA	36" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,054.99	1,759.71
		For Class 52 Rating, Deduct	*-3,012.76*	
		For Class 54 Rating, Add	*4,140.31*	
		For Class 55 Rating, Add	*6,171.68*	
		For Class 56 Rating, Add	*8,175.67*	
40 05 19 00-1015	EA	36" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,846.35	1,762.93
		For Class 52 Rating, Deduct	*-3,099.28*	
		For Class 54 Rating, Add	*4,258.34*	
		For Class 55 Rating, Add	*6,347.19*	
		For Class 56 Rating, Add	*8,407.86*	
40 05 19 00-1016	EA	36" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,637.71	1,766.15
		For Class 52 Rating, Deduct	*-3,185.79*	
		For Class 54 Rating, Add	*4,376.37*	
		For Class 55 Rating, Add	*6,522.69*	
		For Class 56 Rating, Add	*8,640.05*	
40 05 19 00-1017	EA	36" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,429.08	1,769.38
		For Class 52 Rating, Deduct	*-3,272.30*	
		For Class 54 Rating, Add	*4,494.40*	
		For Class 55 Rating, Add	*6,698.19*	
		For Class 56 Rating, Add	*8,872.23*	
40 05 19 00-1018	EA	36" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,220.44	1,772.59
		For Class 52 Rating, Deduct	*-3,358.82*	
		For Class 54 Rating, Add	*4,612.43*	
		For Class 55 Rating, Add	*6,873.69*	
		For Class 56 Rating, Add	*9,104.42*	
40 05 19 00-1019	EA	36" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,011.81	1,775.82
		For Class 52 Rating, Deduct	*-3,445.33*	
		For Class 54 Rating, Add	*4,730.46*	
		For Class 55 Rating, Add	*7,049.20*	
		For Class 56 Rating, Add	*9,336.61*	
40 05 19 00-1020	EA	36" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,803.18	1,779.05
		For Class 52 Rating, Deduct	*-3,531.84*	
		For Class 54 Rating, Add	*4,848.50*	
		For Class 55 Rating, Add	*7,224.70*	
		For Class 56 Rating, Add	*9,568.80*	
40 05 19 00-1021	EA	36" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,594.54	1,782.26
		For Class 52 Rating, Deduct	*-3,618.36*	
		For Class 54 Rating, Add	*4,966.53*	
		For Class 55 Rating, Add	*7,400.20*	
		For Class 56 Rating, Add	*9,800.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1022	EA	36" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,385.91	1,785.49
		For Class 52 Rating, Deduct	*-3,704.87*	
		For Class 54 Rating, Add	*5,084.56*	
		For Class 55 Rating, Add	*7,575.71*	
		For Class 56 Rating, Add	*10,033.17*	
40 05 19 00-1023	EA	36" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,177.27	1,788.71
		For Class 52 Rating, Deduct	*-3,791.38*	
		For Class 54 Rating, Add	*5,202.59*	
		For Class 55 Rating, Add	*7,751.21*	
		For Class 56 Rating, Add	*10,265.36*	
40 05 19 00-1024	EA	36" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,968.64	1,791.94
		For Class 52 Rating, Deduct	*-3,877.89*	
		For Class 54 Rating, Add	*5,320.62*	
		For Class 55 Rating, Add	*7,926.71*	
		For Class 56 Rating, Add	*10,497.55*	
40 05 19 00-1025	EA	36" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,760.01	1,795.16
		For Class 52 Rating, Deduct	*-3,964.41*	
		For Class 54 Rating, Add	*5,438.65*	
		For Class 55 Rating, Add	*8,102.21*	
		For Class 56 Rating, Add	*10,729.74*	
40 05 19 00-1026	EA	36" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,551.37	1,798.38
		For Class 52 Rating, Deduct	*-4,050.92*	
		For Class 54 Rating, Add	*5,556.68*	
		For Class 55 Rating, Add	*8,277.72*	
		For Class 56 Rating, Add	*10,961.93*	
40 05 19 00-1027	EA	36" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	40,342.73	1,801.61
		For Class 52 Rating, Deduct	*-4,137.43*	
		For Class 54 Rating, Add	*5,674.71*	
		For Class 55 Rating, Add	*8,453.22*	
		For Class 56 Rating, Add	*11,194.11*	

40 05 19 00-1028 Flanged End x Plain End (FxPE), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0001)*

40 05 19 00-1029 4" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1030	EA	4" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	578.21	157.62
		For Class 52 Rating, Deduct	*-37.33*	
		For Class 54 Rating, Add	*53.78*	
		For Class 55 Rating, Add	*81.42*	
		For Class 56 Rating, Add	*108.72*	
40 05 19 00-1031	EA	4" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	643.25	160.37
		For Class 52 Rating, Deduct	*-44.03*	
		For Class 54 Rating, Add	*62.95*	
		For Class 55 Rating, Add	*95.09*	
		For Class 56 Rating, Add	*126.82*	
40 05 19 00-1032	EA	4" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	708.28	163.13
		For Class 52 Rating, Deduct	*-50.72*	
		For Class 54 Rating, Add	*72.13*	
		For Class 55 Rating, Add	*108.76*	
		For Class 56 Rating, Add	*144.93*	
40 05 19 00-1033	EA	4" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	773.32	165.88
		For Class 52 Rating, Deduct	*-57.42*	
		For Class 54 Rating, Add	*81.31*	
		For Class 55 Rating, Add	*122.43*	
		For Class 56 Rating, Add	*163.03*	
40 05 19 00-1034	EA	4" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	838.35	168.64
		For Class 52 Rating, Deduct	*-64.11*	
		For Class 54 Rating, Add	*90.49*	
		For Class 55 Rating, Add	*136.11*	
		For Class 56 Rating, Add	*181.14*	
40 05 19 00-1035	EA	4" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	903.39	171.40
		For Class 52 Rating, Deduct	*-70.81*	
		For Class 54 Rating, Add	*99.67*	
		For Class 55 Rating, Add	*149.78*	
		For Class 56 Rating, Add	*199.24*	
40 05 19 00-1036	EA	4" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	968.42	174.16
		For Class 52 Rating, Deduct	*-77.50*	
		For Class 54 Rating, Add	*108.85*	
		For Class 55 Rating, Add	*163.45*	
		For Class 56 Rating, Add	*217.34*	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1037	EA	4" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,033.46	176.91
		For Class 52 Rating, Deduct	*-84.20*	
		For Class 54 Rating, Add	*118.03*	
		For Class 55 Rating, Add	*177.12*	
		For Class 56 Rating, Add	*235.45*	
40 05 19 00-1038	EA	4" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,098.49	179.67
		For Class 52 Rating, Deduct	*-90.89*	
		For Class 54 Rating, Add	*127.21*	
		For Class 55 Rating, Add	*190.79*	
		For Class 56 Rating, Add	*253.55*	
40 05 19 00-1039	EA	4" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,163.52	182.42
		For Class 52 Rating, Deduct	*-97.58*	
		For Class 54 Rating, Add	*136.39*	
		For Class 55 Rating, Add	*204.46*	
		For Class 56 Rating, Add	*271.65*	
40 05 19 00-1040	EA	4" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,228.55	185.17
		For Class 52 Rating, Deduct	*-104.28*	
		For Class 54 Rating, Add	*145.57*	
		For Class 55 Rating, Add	*218.14*	
		For Class 56 Rating, Add	*289.76*	
40 05 19 00-1041	EA	4" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,293.59	187.93
		For Class 52 Rating, Deduct	*-110.97*	
		For Class 54 Rating, Add	*154.74*	
		For Class 55 Rating, Add	*231.81*	
		For Class 56 Rating, Add	*307.86*	
40 05 19 00-1042	EA	4" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,358.63	190.69
		For Class 52 Rating, Deduct	*-117.67*	
		For Class 54 Rating, Add	*163.92*	
		For Class 55 Rating, Add	*245.48*	
		For Class 56 Rating, Add	*325.97*	
40 05 19 00-1043	EA	4" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,423.66	193.45
		For Class 52 Rating, Deduct	*-124.36*	
		For Class 54 Rating, Add	*173.10*	
		For Class 55 Rating, Add	*259.15*	
		For Class 56 Rating, Add	*344.07*	
40 05 19 00-1044	EA	4" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,488.69	196.20
		For Class 52 Rating, Deduct	*-131.06*	
		For Class 54 Rating, Add	*182.28*	
		For Class 55 Rating, Add	*272.82*	
		For Class 56 Rating, Add	*362.17*	
40 05 19 00-1045	EA	4" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,553.72	198.96
		For Class 52 Rating, Deduct	*-137.75*	
		For Class 54 Rating, Add	*191.46*	
		For Class 55 Rating, Add	*286.49*	
		For Class 56 Rating, Add	*380.28*	
40 05 19 00-1046	EA	4" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,618.76	201.72
		For Class 52 Rating, Deduct	*-144.45*	
		For Class 54 Rating, Add	*200.64*	
		For Class 55 Rating, Add	*300.17*	
		For Class 56 Rating, Add	*398.38*	
40 05 19 00-1047	EA	4" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,683.79	204.46
		For Class 52 Rating, Deduct	*-151.14*	
		For Class 54 Rating, Add	*209.82*	
		For Class 55 Rating, Add	*313.84*	
		For Class 56 Rating, Add	*416.48*	
40 05 19 00-1048	EA	4" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,748.82	207.22
		For Class 52 Rating, Deduct	*-157.83*	
		For Class 54 Rating, Add	*219.00*	
		For Class 55 Rating, Add	*327.51*	
		For Class 56 Rating, Add	*434.59*	
40 05 19 00-1049	EA	4" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,813.86	209.98
		For Class 52 Rating, Deduct	*-164.53*	
		For Class 54 Rating, Add	*228.18*	
		For Class 55 Rating, Add	*341.18*	
		For Class 56 Rating, Add	*452.69*	
40 05 19 00-1050	EA	4" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,878.90	212.73
		For Class 52 Rating, Deduct	*-171.22*	
		For Class 54 Rating, Add	*237.35*	
		For Class 55 Rating, Add	*354.85*	
		For Class 56 Rating, Add	*470.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1051	EA	4" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,943.93	215.48
		For Class 52 Rating, Deduct	*-177.92*	
		For Class 54 Rating, Add	*246.53*	
		For Class 55 Rating, Add	*368.52*	
		For Class 56 Rating, Add	*488.90*	
40 05 19 00-1052	EA	4" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,008.96	218.24
		For Class 52 Rating, Deduct	*-184.61*	
		For Class 54 Rating, Add	*255.71*	
		For Class 55 Rating, Add	*382.20*	
		For Class 56 Rating, Add	*507.00*	
40 05 19 00-1053	EA	4" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,074.00	221.00
		For Class 52 Rating, Deduct	*-191.31*	
		For Class 54 Rating, Add	*264.89*	
		For Class 55 Rating, Add	*395.87*	
		For Class 56 Rating, Add	*525.11*	
40 05 19 00-1054	EA	4" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,139.03	223.75
		For Class 52 Rating, Deduct	*-198.00*	
		For Class 54 Rating, Add	*274.07*	
		For Class 55 Rating, Add	*409.54*	
		For Class 56 Rating, Add	*543.21*	
40 05 19 00-1055	EA	4" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,204.06	226.50
		For Class 52 Rating, Deduct	*-204.70*	
		For Class 54 Rating, Add	*283.25*	
		For Class 55 Rating, Add	*423.21*	
		For Class 56 Rating, Add	*561.31*	
40 05 19 00-1056	EA	4" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,269.09	229.26
		For Class 52 Rating, Deduct	*-211.39*	
		For Class 54 Rating, Add	*292.43*	
		For Class 55 Rating, Add	*436.88*	
		For Class 56 Rating, Add	*579.42*	
40 05 19 00-1057	EA	4" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,334.13	232.02
		For Class 52 Rating, Deduct	*-218.08*	
		For Class 54 Rating, Add	*301.61*	
		For Class 55 Rating, Add	*450.55*	
		For Class 56 Rating, Add	*597.52*	
40 05 19 00-1058	EA	4" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,399.17	234.77
		For Class 52 Rating, Deduct	*-224.78*	
		For Class 54 Rating, Add	*310.79*	
		For Class 55 Rating, Add	*464.23*	
		For Class 56 Rating, Add	*615.62*	
40 05 19 00-1059	EA	4" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,464.20	237.53
		For Class 52 Rating, Deduct	*-231.47*	
		For Class 54 Rating, Add	*319.97*	
		For Class 55 Rating, Add	*477.90*	
		For Class 56 Rating, Add	*633.73*	
40 05 19 00-1060	EA	4" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,529.24	240.29
		For Class 52 Rating, Deduct	*-238.17*	
		For Class 54 Rating, Add	*329.14*	
		For Class 55 Rating, Add	*491.57*	
		For Class 56 Rating, Add	*651.83*	
40 05 19 00-1061	EA	4" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,594.26	243.05
		For Class 52 Rating, Deduct	*-244.86*	
		For Class 54 Rating, Add	*338.32*	
		For Class 55 Rating, Add	*505.24*	
		For Class 56 Rating, Add	*669.93*	
40 05 19 00-1062	EA	4" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,659.30	245.80
		For Class 52 Rating, Deduct	*-251.56*	
		For Class 54 Rating, Add	*347.50*	
		For Class 55 Rating, Add	*518.91*	
		For Class 56 Rating, Add	*688.04*	
40 05 19 00-1063	EA	4" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,724.33	248.55
		For Class 52 Rating, Deduct	*-258.25*	
		For Class 54 Rating, Add	*356.68*	
		For Class 55 Rating, Add	*532.58*	
		For Class 56 Rating, Add	*706.14*	
40 05 19 00-1064	EA	4" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,789.37	251.31
		For Class 52 Rating, Deduct	*-264.95*	
		For Class 54 Rating, Add	*365.86*	
		For Class 55 Rating, Add	*546.26*	
		For Class 56 Rating, Add	*724.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1065	EA	4" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,854.40	254.06
		For Class 52 Rating, Deduct	*-271.64*	
		For Class 54 Rating, Add	*375.04*	
		For Class 55 Rating, Add	*559.93*	
		For Class 56 Rating, Add	*742.35*	
40 05 19 00-1066	EA	4" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,919.43	256.82
		For Class 52 Rating, Deduct	*-278.34*	
		For Class 54 Rating, Add	*384.22*	
		For Class 55 Rating, Add	*573.60*	
		For Class 56 Rating, Add	*760.45*	
40 05 19 00-1067	EA	4" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,984.47	259.58
		For Class 52 Rating, Deduct	*-285.03*	
		For Class 54 Rating, Add	*393.40*	
		For Class 55 Rating, Add	*587.27*	
		For Class 56 Rating, Add	*778.56*	
40 05 19 00-1068	EA	4" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,049.51	262.34
		For Class 52 Rating, Deduct	*-291.72*	
		For Class 54 Rating, Add	*402.58*	
		For Class 55 Rating, Add	*600.94*	
		For Class 56 Rating, Add	*796.66*	

40 05 19 00-1069 6" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1070	EA	6" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	724.28	198.40
		For Class 52 Rating, Deduct	*-46.60*	
		For Class 54 Rating, Add	*67.16*	
		For Class 55 Rating, Add	*101.69*	
		For Class 56 Rating, Add	*135.80*	
40 05 19 00-1071	EA	6" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	803.35	201.16
		For Class 52 Rating, Deduct	*-54.84*	
		For Class 54 Rating, Add	*78.44*	
		For Class 55 Rating, Add	*118.50*	
		For Class 56 Rating, Add	*158.05*	
40 05 19 00-1072	EA	6" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	882.44	203.91
		For Class 52 Rating, Deduct	*-63.08*	
		For Class 54 Rating, Add	*89.73*	
		For Class 55 Rating, Add	*135.30*	
		For Class 56 Rating, Add	*180.30*	
40 05 19 00-1073	EA	6" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	961.52	206.67
		For Class 52 Rating, Deduct	*-71.32*	
		For Class 54 Rating, Add	*101.01*	
		For Class 55 Rating, Add	*152.10*	
		For Class 56 Rating, Add	*202.55*	
40 05 19 00-1074	EA	6" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,040.59	209.43
		For Class 52 Rating, Deduct	*-79.56*	
		For Class 54 Rating, Add	*112.30*	
		For Class 55 Rating, Add	*168.91*	
		For Class 56 Rating, Add	*224.79*	
40 05 19 00-1075	EA	6" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,119.67	212.17
		For Class 52 Rating, Deduct	*-87.80*	
		For Class 54 Rating, Add	*123.59*	
		For Class 55 Rating, Add	*185.71*	
		For Class 56 Rating, Add	*247.04*	
40 05 19 00-1076	EA	6" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,198.75	214.93
		For Class 52 Rating, Deduct	*-96.04*	
		For Class 54 Rating, Add	*134.87*	
		For Class 55 Rating, Add	*202.51*	
		For Class 56 Rating, Add	*269.29*	
40 05 19 00-1077	EA	6" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,277.83	217.69
		For Class 52 Rating, Deduct	*-104.28*	
		For Class 54 Rating, Add	*146.16*	
		For Class 55 Rating, Add	*219.32*	
		For Class 56 Rating, Add	*291.53*	
40 05 19 00-1078	EA	6" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,356.90	220.45
		For Class 52 Rating, Deduct	*-112.52*	
		For Class 54 Rating, Add	*157.44*	
		For Class 55 Rating, Add	*236.12*	
		For Class 56 Rating, Add	*313.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1079	EA	6" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,435.98	223.20
		For Class 52 Rating, Deduct	*-120.76*	
		For Class 54 Rating, Add	*168.73*	
		For Class 55 Rating, Add	*252.93*	
		For Class 56 Rating, Add	*336.03*	
40 05 19 00-1080	EA	6" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,515.06	225.96
		For Class 52 Rating, Deduct	*-129.00*	
		For Class 54 Rating, Add	*180.01*	
		For Class 55 Rating, Add	*269.73*	
		For Class 56 Rating, Add	*358.27*	
40 05 19 00-1081	EA	6" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,594.14	228.72
		For Class 52 Rating, Deduct	*-137.24*	
		For Class 54 Rating, Add	*191.30*	
		For Class 55 Rating, Add	*286.53*	
		For Class 56 Rating, Add	*380.52*	
40 05 19 00-1082	EA	6" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,673.22	231.47
		For Class 52 Rating, Deduct	*-145.48*	
		For Class 54 Rating, Add	*202.59*	
		For Class 55 Rating, Add	*303.34*	
		For Class 56 Rating, Add	*402.77*	
40 05 19 00-1083	EA	6" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,752.29	234.22
		For Class 52 Rating, Deduct	*-153.72*	
		For Class 54 Rating, Add	*213.87*	
		For Class 55 Rating, Add	*320.14*	
		For Class 56 Rating, Add	*425.01*	
40 05 19 00-1084	EA	6" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,831.37	236.98
		For Class 52 Rating, Deduct	*-161.95*	
		For Class 54 Rating, Add	*225.16*	
		For Class 55 Rating, Add	*336.94*	
		For Class 56 Rating, Add	*447.26*	
40 05 19 00-1085	EA	6" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,910.46	239.74
		For Class 52 Rating, Deduct	*-170.19*	
		For Class 54 Rating, Add	*236.44*	
		For Class 55 Rating, Add	*353.75*	
		For Class 56 Rating, Add	*469.51*	
40 05 19 00-1086	EA	6" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,989.53	242.49
		For Class 52 Rating, Deduct	*-178.43*	
		For Class 54 Rating, Add	*247.73*	
		For Class 55 Rating, Add	*370.55*	
		For Class 56 Rating, Add	*491.75*	
40 05 19 00-1087	EA	6" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,068.61	245.25
		For Class 52 Rating, Deduct	*-186.67*	
		For Class 54 Rating, Add	*259.01*	
		For Class 55 Rating, Add	*387.35*	
		For Class 56 Rating, Add	*514.00*	
40 05 19 00-1088	EA	6" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,147.68	248.01
		For Class 52 Rating, Deduct	*-194.91*	
		For Class 54 Rating, Add	*270.30*	
		For Class 55 Rating, Add	*404.16*	
		For Class 56 Rating, Add	*536.24*	
40 05 19 00-1089	EA	6" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,226.77	250.77
		For Class 52 Rating, Deduct	*-203.15*	
		For Class 54 Rating, Add	*281.58*	
		For Class 55 Rating, Add	*420.96*	
		For Class 56 Rating, Add	*558.49*	
40 05 19 00-1090	EA	6" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,305.84	253.51
		For Class 52 Rating, Deduct	*-211.39*	
		For Class 54 Rating, Add	*292.87*	
		For Class 55 Rating, Add	*437.76*	
		For Class 56 Rating, Add	*580.74*	
40 05 19 00-1091	EA	6" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,384.92	256.27
		For Class 52 Rating, Deduct	*-219.63*	
		For Class 54 Rating, Add	*304.15*	
		For Class 55 Rating, Add	*454.57*	
		For Class 56 Rating, Add	*602.98*	
40 05 19 00-1092	EA	6" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,464.00	259.02
		For Class 52 Rating, Deduct	*-227.87*	
		For Class 54 Rating, Add	*315.44*	
		For Class 55 Rating, Add	*471.37*	
		For Class 56 Rating, Add	*625.23*	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1093	EA	6" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,543.08	261.77
		For Class 52 Rating, Deduct	*-236.11*	
		For Class 54 Rating, Add	*326.73*	
		For Class 55 Rating, Add	*488.18*	
		For Class 56 Rating, Add	*647.48*	
40 05 19 00-1094	EA	6" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,622.15	264.53
		For Class 52 Rating, Deduct	*-244.35*	
		For Class 54 Rating, Add	*338.01*	
		For Class 55 Rating, Add	*504.98*	
		For Class 56 Rating, Add	*669.72*	
40 05 19 00-1095	EA	6" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,701.24	267.29
		For Class 52 Rating, Deduct	*-252.59*	
		For Class 54 Rating, Add	*349.30*	
		For Class 55 Rating, Add	*521.78*	
		For Class 56 Rating, Add	*691.97*	
40 05 19 00-1096	EA	6" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,780.31	270.05
		For Class 52 Rating, Deduct	*-260.83*	
		For Class 54 Rating, Add	*360.58*	
		For Class 55 Rating, Add	*538.59*	
		For Class 56 Rating, Add	*714.22*	
40 05 19 00-1097	EA	6" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,859.38	272.80
		For Class 52 Rating, Deduct	*-269.07*	
		For Class 54 Rating, Add	*371.87*	
		For Class 55 Rating, Add	*555.39*	
		For Class 56 Rating, Add	*736.46*	
40 05 19 00-1098	EA	6" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,938.48	275.56
		For Class 52 Rating, Deduct	*-277.31*	
		For Class 54 Rating, Add	*383.15*	
		For Class 55 Rating, Add	*572.19*	
		For Class 56 Rating, Add	*758.71*	
40 05 19 00-1099	EA	6" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,017.55	278.32
		For Class 52 Rating, Deduct	*-285.54*	
		For Class 54 Rating, Add	*394.44*	
		For Class 55 Rating, Add	*589.00*	
		For Class 56 Rating, Add	*780.96*	
40 05 19 00-1100	EA	6" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,096.62	281.06
		For Class 52 Rating, Deduct	*-293.78*	
		For Class 54 Rating, Add	*405.72*	
		For Class 55 Rating, Add	*605.80*	
		For Class 56 Rating, Add	*803.21*	
40 05 19 00-1101	EA	6" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,175.69	283.82
		For Class 52 Rating, Deduct	*-302.02*	
		For Class 54 Rating, Add	*417.01*	
		For Class 55 Rating, Add	*622.60*	
		For Class 56 Rating, Add	*825.45*	
40 05 19 00-1102	EA	6" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,254.79	286.58
		For Class 52 Rating, Deduct	*-310.26*	
		For Class 54 Rating, Add	*428.30*	
		For Class 55 Rating, Add	*639.41*	
		For Class 56 Rating, Add	*847.70*	
40 05 19 00-1103	EA	6" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,333.86	289.34
		For Class 52 Rating, Deduct	*-318.50*	
		For Class 54 Rating, Add	*439.58*	
		For Class 55 Rating, Add	*656.21*	
		For Class 56 Rating, Add	*869.95*	
40 05 19 00-1104	EA	6" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,412.93	292.09
		For Class 52 Rating, Deduct	*-326.74*	
		For Class 54 Rating, Add	*450.87*	
		For Class 55 Rating, Add	*673.01*	
		For Class 56 Rating, Add	*892.19*	
40 05 19 00-1105	EA	6" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,492.01	294.85
		For Class 52 Rating, Deduct	*-334.98*	
		For Class 54 Rating, Add	*462.15*	
		For Class 55 Rating, Add	*689.82*	
		For Class 56 Rating, Add	*914.44*	
40 05 19 00-1106	EA	6" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,571.10	297.61
		For Class 52 Rating, Deduct	*-343.22*	
		For Class 54 Rating, Add	*473.44*	
		For Class 55 Rating, Add	*706.62*	
		For Class 56 Rating, Add	*936.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1107	EA	6" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,650.17	300.35
		For Class 52 Rating, Deduct	*-351.46*	
		For Class 54 Rating, Add	*484.72*	
		For Class 55 Rating, Add	*723.43*	
		For Class 56 Rating, Add	*958.93*	
40 05 19 00-1108	EA	6" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,729.25	303.11
		For Class 52 Rating, Deduct	*-359.70*	
		For Class 54 Rating, Add	*496.01*	
		For Class 55 Rating, Add	*740.23*	
		For Class 56 Rating, Add	*981.18*	

40 05 19 00-1109 8" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1110	EA	8" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	999.72	253.51
		For Class 52 Rating, Deduct	*-67.72*	
		For Class 54 Rating, Add	*96.95*	
		For Class 55 Rating, Add	*146.50*	
		For Class 56 Rating, Add	*195.43*	
40 05 19 00-1111	EA	8" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,106.89	256.27
		For Class 52 Rating, Deduct	*-79.05*	
		For Class 54 Rating, Add	*112.45*	
		For Class 55 Rating, Add	*169.57*	
		For Class 56 Rating, Add	*225.97*	
40 05 19 00-1112	EA	8" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,214.05	259.02
		For Class 52 Rating, Deduct	*-90.37*	
		For Class 54 Rating, Add	*127.95*	
		For Class 55 Rating, Add	*192.63*	
		For Class 56 Rating, Add	*256.50*	
40 05 19 00-1113	EA	8" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,321.22	261.77
		For Class 52 Rating, Deduct	*-101.70*	
		For Class 54 Rating, Add	*143.45*	
		For Class 55 Rating, Add	*215.70*	
		For Class 56 Rating, Add	*287.03*	
40 05 19 00-1114	EA	8" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,428.39	264.53
		For Class 52 Rating, Deduct	*-113.03*	
		For Class 54 Rating, Add	*158.95*	
		For Class 55 Rating, Add	*238.77*	
		For Class 56 Rating, Add	*317.57*	
40 05 19 00-1115	EA	8" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,535.56	267.29
		For Class 52 Rating, Deduct	*-124.36*	
		For Class 54 Rating, Add	*174.45*	
		For Class 55 Rating, Add	*261.84*	
		For Class 56 Rating, Add	*348.10*	
40 05 19 00-1116	EA	8" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,642.72	270.05
		For Class 52 Rating, Deduct	*-135.69*	
		For Class 54 Rating, Add	*189.94*	
		For Class 55 Rating, Add	*284.90*	
		For Class 56 Rating, Add	*378.63*	
40 05 19 00-1117	EA	8" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,749.88	272.80
		For Class 52 Rating, Deduct	*-147.02*	
		For Class 54 Rating, Add	*205.44*	
		For Class 55 Rating, Add	*307.97*	
		For Class 56 Rating, Add	*409.16*	
40 05 19 00-1118	EA	8" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,857.06	275.56
		For Class 52 Rating, Deduct	*-158.35*	
		For Class 54 Rating, Add	*220.94*	
		For Class 55 Rating, Add	*331.04*	
		For Class 56 Rating, Add	*439.70*	
40 05 19 00-1119	EA	8" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,964.22	278.32
		For Class 52 Rating, Deduct	*-169.68*	
		For Class 54 Rating, Add	*236.44*	
		For Class 55 Rating, Add	*354.10*	
		For Class 56 Rating, Add	*470.23*	
40 05 19 00-1120	EA	8" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,071.39	281.06
		For Class 52 Rating, Deduct	*-181.01*	
		For Class 54 Rating, Add	*251.94*	
		For Class 55 Rating, Add	*377.17*	
		For Class 56 Rating, Add	*500.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1121	EA	8" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,178.55	283.82
		For Class 52 Rating, Deduct	*-192.34*	
		For Class 54 Rating, Add	*267.44*	
		For Class 55 Rating, Add	*400.24*	
		For Class 56 Rating, Add	*531.29*	
40 05 19 00-1122	EA	8" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,285.73	286.58
		For Class 52 Rating, Deduct	*-203.67*	
		For Class 54 Rating, Add	*282.94*	
		For Class 55 Rating, Add	*423.31*	
		For Class 56 Rating, Add	*561.83*	
40 05 19 00-1123	EA	8" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,392.89	289.34
		For Class 52 Rating, Deduct	*-215.00*	
		For Class 54 Rating, Add	*298.44*	
		For Class 55 Rating, Add	*446.37*	
		For Class 56 Rating, Add	*592.36*	
40 05 19 00-1124	EA	8" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,500.05	292.09
		For Class 52 Rating, Deduct	*-226.32*	
		For Class 54 Rating, Add	*313.93*	
		For Class 55 Rating, Add	*469.44*	
		For Class 56 Rating, Add	*622.89*	
40 05 19 00-1125	EA	8" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,607.21	294.85
		For Class 52 Rating, Deduct	*-237.65*	
		For Class 54 Rating, Add	*329.43*	
		For Class 55 Rating, Add	*492.51*	
		For Class 56 Rating, Add	*653.42*	
40 05 19 00-1126	EA	8" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,714.40	297.61
		For Class 52 Rating, Deduct	*-248.98*	
		For Class 54 Rating, Add	*344.93*	
		For Class 55 Rating, Add	*515.58*	
		For Class 56 Rating, Add	*683.96*	
40 05 19 00-1127	EA	8" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,821.56	300.35
		For Class 52 Rating, Deduct	*-260.31*	
		For Class 54 Rating, Add	*360.43*	
		For Class 55 Rating, Add	*538.64*	
		For Class 56 Rating, Add	*714.49*	
40 05 19 00-1128	EA	8" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,928.72	303.11
		For Class 52 Rating, Deduct	*-271.64*	
		For Class 54 Rating, Add	*375.93*	
		For Class 55 Rating, Add	*561.71*	
		For Class 56 Rating, Add	*745.02*	
40 05 19 00-1129	EA	8" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,035.89	305.87
		For Class 52 Rating, Deduct	*-282.97*	
		For Class 54 Rating, Add	*391.43*	
		For Class 55 Rating, Add	*584.78*	
		For Class 56 Rating, Add	*775.56*	
40 05 19 00-1130	EA	8" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,143.06	308.63
		For Class 52 Rating, Deduct	*-294.30*	
		For Class 54 Rating, Add	*406.93*	
		For Class 55 Rating, Add	*607.85*	
		For Class 56 Rating, Add	*806.09*	
40 05 19 00-1131	EA	8" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,250.22	311.38
		For Class 52 Rating, Deduct	*-305.63*	
		For Class 54 Rating, Add	*422.43*	
		For Class 55 Rating, Add	*630.91*	
		For Class 56 Rating, Add	*836.62*	
40 05 19 00-1132	EA	8" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,357.39	314.14
		For Class 52 Rating, Deduct	*-316.96*	
		For Class 54 Rating, Add	*437.93*	
		For Class 55 Rating, Add	*653.98*	
		For Class 56 Rating, Add	*867.16*	
40 05 19 00-1133	EA	8" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,464.56	316.90
		For Class 52 Rating, Deduct	*-328.29*	
		For Class 54 Rating, Add	*453.42*	
		For Class 55 Rating, Add	*677.05*	
		For Class 56 Rating, Add	*897.69*	
40 05 19 00-1134	EA	8" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,571.73	319.66
		For Class 52 Rating, Deduct	*-339.62*	
		For Class 54 Rating, Add	*468.92*	
		For Class 55 Rating, Add	*700.12*	
		For Class 56 Rating, Add	*928.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1135	EA	8" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,678.89	322.40
		For Class 52 Rating, Deduct	*-350.94*	
		For Class 54 Rating, Add	*484.42*	
		For Class 55 Rating, Add	*723.18*	
		For Class 56 Rating, Add	*958.75*	
40 05 19 00-1136	EA	8" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,786.05	325.15
		For Class 52 Rating, Deduct	*-362.27*	
		For Class 54 Rating, Add	*499.92*	
		For Class 55 Rating, Add	*746.25*	
		For Class 56 Rating, Add	*989.29*	
40 05 19 00-1137	EA	8" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,893.22	327.91
		For Class 52 Rating, Deduct	*-373.60*	
		For Class 54 Rating, Add	*515.42*	
		For Class 55 Rating, Add	*769.32*	
		For Class 56 Rating, Add	*1,019.82*	
40 05 19 00-1138	EA	8" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,000.39	330.66
		For Class 52 Rating, Deduct	*-384.93*	
		For Class 54 Rating, Add	*530.92*	
		For Class 55 Rating, Add	*792.39*	
		For Class 56 Rating, Add	*1,050.35*	
40 05 19 00-1139	EA	8" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,107.56	333.42
		For Class 52 Rating, Deduct	*-396.26*	
		For Class 54 Rating, Add	*546.42*	
		For Class 55 Rating, Add	*815.45*	
		For Class 56 Rating, Add	*1,080.89*	
40 05 19 00-1140	EA	8" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,214.73	336.18
		For Class 52 Rating, Deduct	*-407.59*	
		For Class 54 Rating, Add	*561.92*	
		For Class 55 Rating, Add	*838.52*	
		For Class 56 Rating, Add	*1,111.42*	
40 05 19 00-1141	EA	8" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,321.89	338.94
		For Class 52 Rating, Deduct	*-418.92*	
		For Class 54 Rating, Add	*577.41*	
		For Class 55 Rating, Add	*861.59*	
		For Class 56 Rating, Add	*1,141.95*	
40 05 19 00-1142	EA	8" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,429.05	341.69
		For Class 52 Rating, Deduct	*-430.25*	
		For Class 54 Rating, Add	*592.91*	
		For Class 55 Rating, Add	*884.65*	
		For Class 56 Rating, Add	*1,172.48*	
40 05 19 00-1143	EA	8" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,536.22	344.45
		For Class 52 Rating, Deduct	*-441.58*	
		For Class 54 Rating, Add	*608.41*	
		For Class 55 Rating, Add	*907.72*	
		For Class 56 Rating, Add	*1,203.02*	
40 05 19 00-1144	EA	8" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,643.40	347.20
		For Class 52 Rating, Deduct	*-452.91*	
		For Class 54 Rating, Add	*623.91*	
		For Class 55 Rating, Add	*930.79*	
		For Class 56 Rating, Add	*1,233.55*	
40 05 19 00-1145	EA	8" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,750.56	349.95
		For Class 52 Rating, Deduct	*-464.24*	
		For Class 54 Rating, Add	*639.41*	
		For Class 55 Rating, Add	*953.86*	
		For Class 56 Rating, Add	*1,264.08*	
40 05 19 00-1146	EA	8" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,857.72	352.71
		For Class 52 Rating, Deduct	*-475.56*	
		For Class 54 Rating, Add	*654.91*	
		For Class 55 Rating, Add	*976.92*	
		For Class 56 Rating, Add	*1,294.62*	
40 05 19 00-1147	EA	8" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,964.90	355.47
		For Class 52 Rating, Deduct	*-486.89*	
		For Class 54 Rating, Add	*670.41*	
		For Class 55 Rating, Add	*999.99*	
		For Class 56 Rating, Add	*1,325.15*	
40 05 19 00-1148	EA	8" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,072.06	358.23
		For Class 52 Rating, Deduct	*-498.22*	
		For Class 54 Rating, Add	*685.91*	
		For Class 55 Rating, Add	*1,023.06*	
		For Class 56 Rating, Add	*1,355.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1149		10" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*		
40 05 19 00-1150	EA	10" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,261.12	308.63
		For Class 52 Rating, Deduct	*-87.29*	
		For Class 54 Rating, Add	*124.64*	
		For Class 55 Rating, Add	*188.17*	
		For Class 56 Rating, Add	*250.92*	
40 05 19 00-1151	EA	10" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,401.06	311.38
		For Class 52 Rating, Deduct	*-102.22*	
		For Class 54 Rating, Add	*145.05*	
		For Class 55 Rating, Add	*218.55*	
		For Class 56 Rating, Add	*291.12*	
40 05 19 00-1152	EA	10" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,540.99	314.14
		For Class 52 Rating, Deduct	*-117.15*	
		For Class 54 Rating, Add	*165.47*	
		For Class 55 Rating, Add	*248.92*	
		For Class 56 Rating, Add	*331.32*	
40 05 19 00-1153	EA	10" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,680.93	316.90
		For Class 52 Rating, Deduct	*-132.09*	
		For Class 54 Rating, Add	*185.88*	
		For Class 55 Rating, Add	*279.30*	
		For Class 56 Rating, Add	*371.52*	
40 05 19 00-1154	EA	10" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,820.87	319.66
		For Class 52 Rating, Deduct	*-147.02*	
		For Class 54 Rating, Add	*206.29*	
		For Class 55 Rating, Add	*309.67*	
		For Class 56 Rating, Add	*411.72*	
40 05 19 00-1155	EA	10" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,960.80	322.40
		For Class 52 Rating, Deduct	*-161.95*	
		For Class 54 Rating, Add	*226.71*	
		For Class 55 Rating, Add	*340.05*	
		For Class 56 Rating, Add	*451.92*	
40 05 19 00-1156	EA	10" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,100.73	325.15
		For Class 52 Rating, Deduct	*-176.89*	
		For Class 54 Rating, Add	*247.12*	
		For Class 55 Rating, Add	*370.42*	
		For Class 56 Rating, Add	*492.12*	
40 05 19 00-1157	EA	10" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,240.68	327.91
		For Class 52 Rating, Deduct	*-191.82*	
		For Class 54 Rating, Add	*267.54*	
		For Class 55 Rating, Add	*400.80*	
		For Class 56 Rating, Add	*532.32*	
40 05 19 00-1158	EA	10" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,380.61	330.66
		For Class 52 Rating, Deduct	*-206.76*	
		For Class 54 Rating, Add	*287.95*	
		For Class 55 Rating, Add	*431.18*	
		For Class 56 Rating, Add	*572.52*	
40 05 19 00-1159	EA	10" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,520.55	333.42
		For Class 52 Rating, Deduct	*-221.69*	
		For Class 54 Rating, Add	*308.37*	
		For Class 55 Rating, Add	*461.55*	
		For Class 56 Rating, Add	*612.72*	
40 05 19 00-1160	EA	10" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,660.49	336.18
		For Class 52 Rating, Deduct	*-236.62*	
		For Class 54 Rating, Add	*328.78*	
		For Class 55 Rating, Add	*491.92*	
		For Class 56 Rating, Add	*652.92*	
40 05 19 00-1161	EA	10" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,800.42	338.94
		For Class 52 Rating, Deduct	*-251.56*	
		For Class 54 Rating, Add	*349.19*	
		For Class 55 Rating, Add	*522.30*	
		For Class 56 Rating, Add	*693.12*	
40 05 19 00-1162	EA	10" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,940.36	341.69
		For Class 52 Rating, Deduct	*-266.49*	
		For Class 54 Rating, Add	*369.61*	
		For Class 55 Rating, Add	*552.68*	
		For Class 56 Rating, Add	*733.32*	
40 05 19 00-1163	EA	10" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,080.30	344.45
		For Class 52 Rating, Deduct	*-281.43*	
		For Class 54 Rating, Add	*390.02*	
		For Class 55 Rating, Add	*583.05*	
		For Class 56 Rating, Add	*773.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1164	EA	10" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,220.24	347.20
		For Class 52 Rating, Deduct	*-296.36*	
		For Class 54 Rating, Add	*410.44*	
		For Class 55 Rating, Add	*613.43*	
		For Class 56 Rating, Add	*813.72*	
40 05 19 00-1165	EA	10" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,360.17	349.95
		For Class 52 Rating, Deduct	*-311.29*	
		For Class 54 Rating, Add	*430.85*	
		For Class 55 Rating, Add	*643.80*	
		For Class 56 Rating, Add	*853.92*	
40 05 19 00-1166	EA	10" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,500.10	352.71
		For Class 52 Rating, Deduct	*-326.23*	
		For Class 54 Rating, Add	*451.27*	
		For Class 55 Rating, Add	*674.17*	
		For Class 56 Rating, Add	*894.12*	
40 05 19 00-1167	EA	10" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,640.05	355.47
		For Class 52 Rating, Deduct	*-341.16*	
		For Class 54 Rating, Add	*471.68*	
		For Class 55 Rating, Add	*704.55*	
		For Class 56 Rating, Add	*934.32*	
40 05 19 00-1168	EA	10" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,779.99	358.23
		For Class 52 Rating, Deduct	*-356.09*	
		For Class 54 Rating, Add	*492.10*	
		For Class 55 Rating, Add	*734.93*	
		For Class 56 Rating, Add	*974.52*	
40 05 19 00-1169	EA	10" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,919.92	360.98
		For Class 52 Rating, Deduct	*-371.03*	
		For Class 54 Rating, Add	*512.51*	
		For Class 55 Rating, Add	*765.30*	
		For Class 56 Rating, Add	*1,014.72*	
40 05 19 00-1170	EA	10" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,059.85	363.74
		For Class 52 Rating, Deduct	*-385.96*	
		For Class 54 Rating, Add	*532.92*	
		For Class 55 Rating, Add	*795.68*	
		For Class 56 Rating, Add	*1,054.92*	
40 05 19 00-1171	EA	10" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,199.80	366.50
		For Class 52 Rating, Deduct	*-400.90*	
		For Class 54 Rating, Add	*553.34*	
		For Class 55 Rating, Add	*826.05*	
		For Class 56 Rating, Add	*1,095.12*	
40 05 19 00-1172	EA	10" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,339.73	369.24
		For Class 52 Rating, Deduct	*-415.83*	
		For Class 54 Rating, Add	*573.75*	
		For Class 55 Rating, Add	*856.43*	
		For Class 56 Rating, Add	*1,135.32*	
40 05 19 00-1173	EA	10" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,479.66	372.00
		For Class 52 Rating, Deduct	*-430.76*	
		For Class 54 Rating, Add	*594.17*	
		For Class 55 Rating, Add	*886.80*	
		For Class 56 Rating, Add	*1,175.52*	
40 05 19 00-1174	EA	10" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,619.60	374.76
		For Class 52 Rating, Deduct	*-445.70*	
		For Class 54 Rating, Add	*614.58*	
		For Class 55 Rating, Add	*917.18*	
		For Class 56 Rating, Add	*1,215.72*	
40 05 19 00-1175	EA	10" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,759.55	377.52
		For Class 52 Rating, Deduct	*-460.63*	
		For Class 54 Rating, Add	*635.00*	
		For Class 55 Rating, Add	*947.55*	
		For Class 56 Rating, Add	*1,255.92*	
40 05 19 00-1176	EA	10" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,899.48	380.27
		For Class 52 Rating, Deduct	*-475.56*	
		For Class 54 Rating, Add	*655.41*	
		For Class 55 Rating, Add	*977.93*	
		For Class 56 Rating, Add	*1,296.12*	
40 05 19 00-1177	EA	10" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,039.41	383.03
		For Class 52 Rating, Deduct	*-490.50*	
		For Class 54 Rating, Add	*675.82*	
		For Class 55 Rating, Add	*1,008.30*	
		For Class 56 Rating, Add	*1,336.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1178	EA	10" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,179.35	385.79
		For Class 52 Rating, Deduct	*-505.43*	
		For Class 54 Rating, Add	*696.24*	
		For Class 55 Rating, Add	*1,038.68*	
		For Class 56 Rating, Add	*1,376.52*	
40 05 19 00-1179	EA	10" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,319.29	388.55
		For Class 52 Rating, Deduct	*-520.37*	
		For Class 54 Rating, Add	*716.65*	
		For Class 55 Rating, Add	*1,069.05*	
		For Class 56 Rating, Add	*1,416.72*	
40 05 19 00-1180	EA	10" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,459.23	391.29
		For Class 52 Rating, Deduct	*-535.30*	
		For Class 54 Rating, Add	*737.07*	
		For Class 55 Rating, Add	*1,099.43*	
		For Class 56 Rating, Add	*1,456.92*	
40 05 19 00-1181	EA	10" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,599.16	394.05
		For Class 52 Rating, Deduct	*-550.23*	
		For Class 54 Rating, Add	*757.48*	
		For Class 55 Rating, Add	*1,129.80*	
		For Class 56 Rating, Add	*1,497.12*	
40 05 19 00-1182	EA	10" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,739.10	396.81
		For Class 52 Rating, Deduct	*-565.17*	
		For Class 54 Rating, Add	*777.90*	
		For Class 55 Rating, Add	*1,160.18*	
		For Class 56 Rating, Add	*1,537.32*	
40 05 19 00-1183	EA	10" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,879.03	399.55
		For Class 52 Rating, Deduct	*-580.10*	
		For Class 54 Rating, Add	*798.31*	
		For Class 55 Rating, Add	*1,190.55*	
		For Class 56 Rating, Add	*1,577.52*	
40 05 19 00-1184	EA	10" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,018.97	402.31
		For Class 52 Rating, Deduct	*-595.03*	
		For Class 54 Rating, Add	*818.72*	
		For Class 55 Rating, Add	*1,220.93*	
		For Class 56 Rating, Add	*1,617.72*	
40 05 19 00-1185	EA	10" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,158.91	405.07
		For Class 52 Rating, Deduct	*-609.97*	
		For Class 54 Rating, Add	*839.14*	
		For Class 55 Rating, Add	*1,251.30*	
		For Class 56 Rating, Add	*1,657.92*	
40 05 19 00-1186	EA	10" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,298.85	407.83
		For Class 52 Rating, Deduct	*-624.90*	
		For Class 54 Rating, Add	*859.55*	
		For Class 55 Rating, Add	*1,281.68*	
		For Class 56 Rating, Add	*1,698.12*	
40 05 19 00-1187	EA	10" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,438.78	410.58
		For Class 52 Rating, Deduct	*-639.84*	
		For Class 54 Rating, Add	*879.97*	
		For Class 55 Rating, Add	*1,312.05*	
		For Class 56 Rating, Add	*1,738.32*	
40 05 19 00-1188	EA	10" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,578.72	413.33
		For Class 52 Rating, Deduct	*-654.77*	
		For Class 54 Rating, Add	*900.38*	
		For Class 55 Rating, Add	*1,342.43*	
		For Class 56 Rating, Add	*1,778.52*	

40 05 19 00-1189 12" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1190	EA	12" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,642.53	385.79
		For Class 52 Rating, Deduct	*-116.38*	
		For Class 54 Rating, Add	*165.72*	
		For Class 55 Rating, Add	*249.96*	
		For Class 56 Rating, Add	*333.16*	
40 05 19 00-1191	EA	12" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,817.57	388.55
		For Class 52 Rating, Deduct	*-135.18*	
		For Class 54 Rating, Add	*191.40*	
		For Class 55 Rating, Add	*288.17*	
		For Class 56 Rating, Add	*383.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1192	EA	12" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,992.62	391.29
		For Class 52 Rating, Deduct	*-153.97*	
		For Class 54 Rating, Add	*217.08*	
		For Class 55 Rating, Add	*326.37*	
		For Class 56 Rating, Add	*434.27*	
40 05 19 00-1193	EA	12" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,167.66	394.05
		For Class 52 Rating, Deduct	*-172.77*	
		For Class 54 Rating, Add	*242.76*	
		For Class 55 Rating, Add	*364.58*	
		For Class 56 Rating, Add	*484.83*	
40 05 19 00-1194	EA	12" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,342.72	396.81
		For Class 52 Rating, Deduct	*-191.57*	
		For Class 54 Rating, Add	*268.44*	
		For Class 55 Rating, Add	*402.78*	
		For Class 56 Rating, Add	*535.39*	
40 05 19 00-1195	EA	12" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,517.76	399.55
		For Class 52 Rating, Deduct	*-210.36*	
		For Class 54 Rating, Add	*294.12*	
		For Class 55 Rating, Add	*440.99*	
		For Class 56 Rating, Add	*585.94*	
40 05 19 00-1196	EA	12" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,692.81	402.31
		For Class 52 Rating, Deduct	*-229.16*	
		For Class 54 Rating, Add	*319.80*	
		For Class 55 Rating, Add	*479.19*	
		For Class 56 Rating, Add	*636.50*	
40 05 19 00-1197	EA	12" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,867.85	405.07
		For Class 52 Rating, Deduct	*-247.95*	
		For Class 54 Rating, Add	*345.48*	
		For Class 55 Rating, Add	*517.40*	
		For Class 56 Rating, Add	*687.06*	
40 05 19 00-1198	EA	12" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,042.91	407.83
		For Class 52 Rating, Deduct	*-266.75*	
		For Class 54 Rating, Add	*371.16*	
		For Class 55 Rating, Add	*555.60*	
		For Class 56 Rating, Add	*737.62*	
40 05 19 00-1199	EA	12" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,217.95	410.58
		For Class 52 Rating, Deduct	*-285.54*	
		For Class 54 Rating, Add	*396.84*	
		For Class 55 Rating, Add	*593.81*	
		For Class 56 Rating, Add	*788.17*	
40 05 19 00-1200	EA	12" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,393.00	413.33
		For Class 52 Rating, Deduct	*-304.34*	
		For Class 54 Rating, Add	*422.52*	
		For Class 55 Rating, Add	*632.01*	
		For Class 56 Rating, Add	*838.73*	
40 05 19 00-1201	EA	12" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,568.05	416.09
		For Class 52 Rating, Deduct	*-323.14*	
		For Class 54 Rating, Add	*448.21*	
		For Class 55 Rating, Add	*670.22*	
		For Class 56 Rating, Add	*889.29*	
40 05 19 00-1202	EA	12" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,743.10	418.84
		For Class 52 Rating, Deduct	*-341.93*	
		For Class 54 Rating, Add	*473.89*	
		For Class 55 Rating, Add	*708.42*	
		For Class 56 Rating, Add	*939.85*	
40 05 19 00-1203	EA	12" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,918.14	421.60
		For Class 52 Rating, Deduct	*-360.73*	
		For Class 54 Rating, Add	*499.57*	
		For Class 55 Rating, Add	*746.63*	
		For Class 56 Rating, Add	*990.40*	
40 05 19 00-1204	EA	12" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,093.19	424.36
		For Class 52 Rating, Deduct	*-379.52*	
		For Class 54 Rating, Add	*525.25*	
		For Class 55 Rating, Add	*784.83*	
		For Class 56 Rating, Add	*1,040.96*	
40 05 19 00-1205	EA	12" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,268.24	427.12
		For Class 52 Rating, Deduct	*-398.32*	
		For Class 54 Rating, Add	*550.93*	
		For Class 55 Rating, Add	*823.03*	
		For Class 56 Rating, Add	*1,091.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1206	EA	12" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,443.29	429.87
		For Class 52 Rating, Deduct	*-417.12*	
		For Class 54 Rating, Add	*576.61*	
		For Class 55 Rating, Add	*861.24*	
		For Class 56 Rating, Add	*1,142.08*	
40 05 19 00-1207	EA	12" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,618.33	432.63
		For Class 52 Rating, Deduct	*-435.91*	
		For Class 54 Rating, Add	*602.29*	
		For Class 55 Rating, Add	*899.45*	
		For Class 56 Rating, Add	*1,192.64*	
40 05 19 00-1208	EA	12" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,793.38	435.39
		For Class 52 Rating, Deduct	*-454.71*	
		For Class 54 Rating, Add	*627.97*	
		For Class 55 Rating, Add	*937.65*	
		For Class 56 Rating, Add	*1,243.19*	
40 05 19 00-1209	EA	12" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,968.43	438.13
		For Class 52 Rating, Deduct	*-473.50*	
		For Class 54 Rating, Add	*653.65*	
		For Class 55 Rating, Add	*975.85*	
		For Class 56 Rating, Add	*1,293.75*	
40 05 19 00-1210	EA	12" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,143.48	440.89
		For Class 52 Rating, Deduct	*-492.30*	
		For Class 54 Rating, Add	*679.34*	
		For Class 55 Rating, Add	*1,014.06*	
		For Class 56 Rating, Add	*1,344.31*	
40 05 19 00-1211	EA	12" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,318.52	443.65
		For Class 52 Rating, Deduct	*-511.10*	
		For Class 54 Rating, Add	*705.02*	
		For Class 55 Rating, Add	*1,052.26*	
		For Class 56 Rating, Add	*1,394.87*	
40 05 19 00-1212	EA	12" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,493.57	446.41
		For Class 52 Rating, Deduct	*-529.89*	
		For Class 54 Rating, Add	*730.70*	
		For Class 55 Rating, Add	*1,090.47*	
		For Class 56 Rating, Add	*1,445.42*	
40 05 19 00-1213	EA	12" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,668.62	449.16
		For Class 52 Rating, Deduct	*-548.69*	
		For Class 54 Rating, Add	*756.38*	
		For Class 55 Rating, Add	*1,128.67*	
		For Class 56 Rating, Add	*1,495.98*	
40 05 19 00-1214	EA	12" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,843.67	451.92
		For Class 52 Rating, Deduct	*-567.48*	
		For Class 54 Rating, Add	*782.06*	
		For Class 55 Rating, Add	*1,166.88*	
		For Class 56 Rating, Add	*1,546.54*	
40 05 19 00-1215	EA	12" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,018.71	454.68
		For Class 52 Rating, Deduct	*-586.28*	
		For Class 54 Rating, Add	*807.74*	
		For Class 55 Rating, Add	*1,205.08*	
		For Class 56 Rating, Add	*1,597.10*	
40 05 19 00-1216	EA	12" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,193.76	457.44
		For Class 52 Rating, Deduct	*-605.08*	
		For Class 54 Rating, Add	*833.42*	
		For Class 55 Rating, Add	*1,243.29*	
		For Class 56 Rating, Add	*1,647.65*	
40 05 19 00-1217	EA	12" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,368.81	460.18
		For Class 52 Rating, Deduct	*-623.87*	
		For Class 54 Rating, Add	*859.10*	
		For Class 55 Rating, Add	*1,281.49*	
		For Class 56 Rating, Add	*1,698.21*	
40 05 19 00-1218	EA	12" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,543.86	462.94
		For Class 52 Rating, Deduct	*-642.67*	
		For Class 54 Rating, Add	*884.78*	
		For Class 55 Rating, Add	*1,319.70*	
		For Class 56 Rating, Add	*1,748.77*	
40 05 19 00-1219	EA	12" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,718.91	465.70
		For Class 52 Rating, Deduct	*-661.46*	
		For Class 54 Rating, Add	*910.46*	
		For Class 55 Rating, Add	*1,357.90*	
		For Class 56 Rating, Add	*1,799.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1220	EA	12" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,893.95	468.44
		For Class 52 Rating, Deduct	*-680.26*	
		For Class 54 Rating, Add	*936.14*	
		For Class 55 Rating, Add	*1,396.11*	
		For Class 56 Rating, Add	*1,849.88*	
40 05 19 00-1221	EA	12" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,069.00	471.20
		For Class 52 Rating, Deduct	*-699.06*	
		For Class 54 Rating, Add	*961.82*	
		For Class 55 Rating, Add	*1,434.31*	
		For Class 56 Rating, Add	*1,900.44*	
40 05 19 00-1222	EA	12" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,244.05	473.96
		For Class 52 Rating, Deduct	*-717.85*	
		For Class 54 Rating, Add	*987.51*	
		For Class 55 Rating, Add	*1,472.52*	
		For Class 56 Rating, Add	*1,951.00*	
40 05 19 00-1223	EA	12" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,419.10	476.72
		For Class 52 Rating, Deduct	*-736.65*	
		For Class 54 Rating, Add	*1,013.19*	
		For Class 55 Rating, Add	*1,510.72*	
		For Class 56 Rating, Add	*2,001.56*	
40 05 19 00-1224	EA	12" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,594.14	479.46
		For Class 52 Rating, Deduct	*-755.44*	
		For Class 54 Rating, Add	*1,038.87*	
		For Class 55 Rating, Add	*1,548.93*	
		For Class 56 Rating, Add	*2,052.12*	
40 05 19 00-1225	EA	12" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,769.19	482.22
		For Class 52 Rating, Deduct	*-774.24*	
		For Class 54 Rating, Add	*1,064.55*	
		For Class 55 Rating, Add	*1,587.13*	
		For Class 56 Rating, Add	*2,102.67*	
40 05 19 00-1226	EA	12" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,944.24	484.98
		For Class 52 Rating, Deduct	*-793.04*	
		For Class 54 Rating, Add	*1,090.23*	
		For Class 55 Rating, Add	*1,625.34*	
		For Class 56 Rating, Add	*2,153.23*	
40 05 19 00-1227	EA	12" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,119.29	487.73
		For Class 52 Rating, Deduct	*-811.83*	
		For Class 54 Rating, Add	*1,115.91*	
		For Class 55 Rating, Add	*1,663.54*	
		For Class 56 Rating, Add	*2,203.79*	
40 05 19 00-1228	EA	12" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,294.33	490.49
		For Class 52 Rating, Deduct	*-830.63*	
		For Class 54 Rating, Add	*1,141.59*	
		For Class 55 Rating, Add	*1,701.74*	
		For Class 56 Rating, Add	*2,254.35*	
40 05 19 00-1229		14" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*		
40 05 19 00-1230	EA	14" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,211.18	462.94
		For Class 52 Rating, Deduct	*-166.07*	
		For Class 54 Rating, Add	*234.88*	
		For Class 55 Rating, Add	*353.51*	
		For Class 56 Rating, Add	*470.63*	
40 05 19 00-1231	EA	14" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,423.69	465.70
		For Class 52 Rating, Deduct	*-188.99*	
		For Class 54 Rating, Add	*266.18*	
		For Class 55 Rating, Add	*400.07*	
		For Class 56 Rating, Add	*532.24*	
40 05 19 00-1232	EA	14" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,636.18	468.44
		For Class 52 Rating, Deduct	*-211.91*	
		For Class 54 Rating, Add	*297.48*	
		For Class 55 Rating, Add	*446.62*	
		For Class 56 Rating, Add	*593.84*	
40 05 19 00-1233	EA	14" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,848.69	471.20
		For Class 52 Rating, Deduct	*-234.82*	
		For Class 54 Rating, Add	*328.78*	
		For Class 55 Rating, Add	*493.18*	
		For Class 56 Rating, Add	*655.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1234	EA	14" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,061.18	473.96
		For Class 52 Rating, Deduct	*-257.74*	
		For Class 54 Rating, Add	*360.08*	
		For Class 55 Rating, Add	*539.74*	
		For Class 56 Rating, Add	*717.06*	
40 05 19 00-1235	EA	14" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,273.68	476.72
		For Class 52 Rating, Deduct	*-280.65*	
		For Class 54 Rating, Add	*391.37*	
		For Class 55 Rating, Add	*586.29*	
		For Class 56 Rating, Add	*778.66*	
40 05 19 00-1236	EA	14" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,486.18	479.46
		For Class 52 Rating, Deduct	*-303.57*	
		For Class 54 Rating, Add	*422.67*	
		For Class 55 Rating, Add	*632.85*	
		For Class 56 Rating, Add	*840.27*	
40 05 19 00-1237	EA	14" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,698.68	482.22
		For Class 52 Rating, Deduct	*-326.48*	
		For Class 54 Rating, Add	*453.97*	
		For Class 55 Rating, Add	*679.41*	
		For Class 56 Rating, Add	*901.87*	
40 05 19 00-1238	EA	14" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,911.18	484.98
		For Class 52 Rating, Deduct	*-349.40*	
		For Class 54 Rating, Add	*485.27*	
		For Class 55 Rating, Add	*725.96*	
		For Class 56 Rating, Add	*963.48*	
40 05 19 00-1239	EA	14" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,123.68	487.73
		For Class 52 Rating, Deduct	*-372.31*	
		For Class 54 Rating, Add	*516.57*	
		For Class 55 Rating, Add	*772.52*	
		For Class 56 Rating, Add	*1,025.08*	
40 05 19 00-1240	EA	14" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,336.18	490.49
		For Class 52 Rating, Deduct	*-395.23*	
		For Class 54 Rating, Add	*547.87*	
		For Class 55 Rating, Add	*819.08*	
		For Class 56 Rating, Add	*1,086.69*	
40 05 19 00-1241	EA	14" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,548.67	493.25
		For Class 52 Rating, Deduct	*-418.15*	
		For Class 54 Rating, Add	*579.17*	
		For Class 55 Rating, Add	*865.63*	
		For Class 56 Rating, Add	*1,148.30*	
40 05 19 00-1242	EA	14" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,761.18	496.01
		For Class 52 Rating, Deduct	*-441.06*	
		For Class 54 Rating, Add	*610.47*	
		For Class 55 Rating, Add	*912.19*	
		For Class 56 Rating, Add	*1,209.90*	
40 05 19 00-1243	EA	14" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,973.68	498.76
		For Class 52 Rating, Deduct	*-463.98*	
		For Class 54 Rating, Add	*641.77*	
		For Class 55 Rating, Add	*958.75*	
		For Class 56 Rating, Add	*1,271.51*	
40 05 19 00-1244	EA	14" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,186.17	501.52
		For Class 52 Rating, Deduct	*-486.89*	
		For Class 54 Rating, Add	*673.06*	
		For Class 55 Rating, Add	*1,005.30*	
		For Class 56 Rating, Add	*1,333.11*	
40 05 19 00-1245	EA	14" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,398.67	504.27
		For Class 52 Rating, Deduct	*-509.81*	
		For Class 54 Rating, Add	*704.36*	
		For Class 55 Rating, Add	*1,051.86*	
		For Class 56 Rating, Add	*1,394.72*	
40 05 19 00-1246	EA	14" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,611.18	507.02
		For Class 52 Rating, Deduct	*-532.72*	
		For Class 54 Rating, Add	*735.66*	
		For Class 55 Rating, Add	*1,098.42*	
		For Class 56 Rating, Add	*1,456.33*	
40 05 19 00-1247	EA	14" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,823.67	509.78
		For Class 52 Rating, Deduct	*-555.64*	
		For Class 54 Rating, Add	*766.96*	
		For Class 55 Rating, Add	*1,144.97*	
		For Class 56 Rating, Add	*1,517.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1248	EA	14" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,036.17	512.54
		For Class 52 Rating, Deduct	*-578.56*	
		For Class 54 Rating, Add	*798.26*	
		For Class 55 Rating, Add	*1,191.53*	
		For Class 56 Rating, Add	*1,579.54*	
40 05 19 00-1249	EA	14" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,248.66	515.30
		For Class 52 Rating, Deduct	*-601.47*	
		For Class 54 Rating, Add	*829.56*	
		For Class 55 Rating, Add	*1,238.08*	
		For Class 56 Rating, Add	*1,641.14*	
40 05 19 00-1250	EA	14" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,461.18	518.05
		For Class 52 Rating, Deduct	*-624.39*	
		For Class 54 Rating, Add	*860.86*	
		For Class 55 Rating, Add	*1,284.64*	
		For Class 56 Rating, Add	*1,702.75*	
40 05 19 00-1251	EA	14" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,673.67	520.81
		For Class 52 Rating, Deduct	*-647.30*	
		For Class 54 Rating, Add	*892.15*	
		For Class 55 Rating, Add	*1,331.20*	
		For Class 56 Rating, Add	*1,764.36*	
40 05 19 00-1252	EA	14" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,886.16	523.57
		For Class 52 Rating, Deduct	*-670.22*	
		For Class 54 Rating, Add	*923.45*	
		For Class 55 Rating, Add	*1,377.75*	
		For Class 56 Rating, Add	*1,825.96*	
40 05 19 00-1253	EA	14" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,098.67	526.32
		For Class 52 Rating, Deduct	*-693.13*	
		For Class 54 Rating, Add	*954.75*	
		For Class 55 Rating, Add	*1,424.31*	
		For Class 56 Rating, Add	*1,887.57*	
40 05 19 00-1254	EA	14" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,311.17	529.07
		For Class 52 Rating, Deduct	*-716.05*	
		For Class 54 Rating, Add	*986.05*	
		For Class 55 Rating, Add	*1,470.87*	
		For Class 56 Rating, Add	*1,949.17*	
40 05 19 00-1255	EA	14" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,523.67	531.83
		For Class 52 Rating, Deduct	*-738.97*	
		For Class 54 Rating, Add	*1,017.35*	
		For Class 55 Rating, Add	*1,517.42*	
		For Class 56 Rating, Add	*2,010.78*	
40 05 19 00-1256	EA	14" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,736.16	534.59
		For Class 52 Rating, Deduct	*-761.88*	
		For Class 54 Rating, Add	*1,048.65*	
		For Class 55 Rating, Add	*1,563.98*	
		For Class 56 Rating, Add	*2,072.38*	
40 05 19 00-1257	EA	14" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,948.66	537.34
		For Class 52 Rating, Deduct	*-784.80*	
		For Class 54 Rating, Add	*1,079.95*	
		For Class 55 Rating, Add	*1,610.54*	
		For Class 56 Rating, Add	*2,133.99*	
40 05 19 00-1258	EA	14" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,161.17	540.09
		For Class 52 Rating, Deduct	*-807.71*	
		For Class 54 Rating, Add	*1,111.25*	
		For Class 55 Rating, Add	*1,657.09*	
		For Class 56 Rating, Add	*2,195.60*	
40 05 19 00-1259	EA	14" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,373.66	542.85
		For Class 52 Rating, Deduct	*-830.63*	
		For Class 54 Rating, Add	*1,142.54*	
		For Class 55 Rating, Add	*1,703.65*	
		For Class 56 Rating, Add	*2,257.20*	
40 05 19 00-1260	EA	14" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,586.17	545.61
		For Class 52 Rating, Deduct	*-853.54*	
		For Class 54 Rating, Add	*1,173.84*	
		For Class 55 Rating, Add	*1,750.21*	
		For Class 56 Rating, Add	*2,318.81*	
40 05 19 00-1261	EA	14" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,798.66	548.35
		For Class 52 Rating, Deduct	*-876.46*	
		For Class 54 Rating, Add	*1,205.14*	
		For Class 55 Rating, Add	*1,796.76*	
		For Class 56 Rating, Add	*2,380.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1262	EA	14" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,011.16	551.11
		For Class 52 Rating, Deduct	*-899.38*	
		For Class 54 Rating, Add	*1,236.44*	
		For Class 55 Rating, Add	*1,843.32*	
		For Class 56 Rating, Add	*2,442.02*	
40 05 19 00-1263	EA	14" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,223.66	553.87
		For Class 52 Rating, Deduct	*-922.29*	
		For Class 54 Rating, Add	*1,267.74*	
		For Class 55 Rating, Add	*1,889.88*	
		For Class 56 Rating, Add	*2,503.63*	
40 05 19 00-1264	EA	14" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,436.16	556.62
		For Class 52 Rating, Deduct	*-945.21*	
		For Class 54 Rating, Add	*1,299.04*	
		For Class 55 Rating, Add	*1,936.43*	
		For Class 56 Rating, Add	*2,565.23*	
40 05 19 00-1265	EA	14" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,648.66	559.38
		For Class 52 Rating, Deduct	*-968.12*	
		For Class 54 Rating, Add	*1,330.34*	
		For Class 55 Rating, Add	*1,982.99*	
		For Class 56 Rating, Add	*2,626.84*	
40 05 19 00-1266	EA	14" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,861.15	562.14
		For Class 52 Rating, Deduct	*-991.04*	
		For Class 54 Rating, Add	*1,361.64*	
		For Class 55 Rating, Add	*2,029.54*	
		For Class 56 Rating, Add	*2,688.44*	
40 05 19 00-1267	EA	14" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,073.66	564.90
		For Class 52 Rating, Deduct	*-1,013.95*	
		For Class 54 Rating, Add	*1,392.93*	
		For Class 55 Rating, Add	*2,076.10*	
		For Class 56 Rating, Add	*2,750.05*	

40 05 19 00-1268 16" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1269	EA	16" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,587.60	529.07
		For Class 52 Rating, Deduct	*-196.46*	
		For Class 54 Rating, Add	*277.52*	
		For Class 55 Rating, Add	*417.51*	
		For Class 56 Rating, Add	*555.72*	
40 05 19 00-1270	EA	16" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,835.20	531.83
		For Class 52 Rating, Deduct	*-223.23*	
		For Class 54 Rating, Add	*314.08*	
		For Class 55 Rating, Add	*471.90*	
		For Class 56 Rating, Add	*627.68*	
40 05 19 00-1271	EA	16" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,082.81	534.59
		For Class 52 Rating, Deduct	*-250.01*	
		For Class 54 Rating, Add	*350.65*	
		For Class 55 Rating, Add	*526.28*	
		For Class 56 Rating, Add	*699.65*	
40 05 19 00-1272	EA	16" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,330.42	537.34
		For Class 52 Rating, Deduct	*-276.79*	
		For Class 54 Rating, Add	*387.21*	
		For Class 55 Rating, Add	*580.67*	
		For Class 56 Rating, Add	*771.61*	
40 05 19 00-1273	EA	16" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,578.04	540.09
		For Class 52 Rating, Deduct	*-303.57*	
		For Class 54 Rating, Add	*423.78*	
		For Class 55 Rating, Add	*635.06*	
		For Class 56 Rating, Add	*843.57*	
40 05 19 00-1274	EA	16" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,825.64	542.85
		For Class 52 Rating, Deduct	*-330.35*	
		For Class 54 Rating, Add	*460.34*	
		For Class 55 Rating, Add	*689.44*	
		For Class 56 Rating, Add	*915.54*	
40 05 19 00-1275	EA	16" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,073.26	545.61
		For Class 52 Rating, Deduct	*-357.12*	
		For Class 54 Rating, Add	*496.91*	
		For Class 55 Rating, Add	*743.83*	
		For Class 56 Rating, Add	*987.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1276	EA	16" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,320.86	548.35
		For Class 52 Rating, Deduct	*-383.90*	
		For Class 54 Rating, Add	*533.47*	
		For Class 55 Rating, Add	*798.21*	
		For Class 56 Rating, Add	*1,059.46*	
40 05 19 00-1277	EA	16" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,568.47	551.11
		For Class 52 Rating, Deduct	*-410.68*	
		For Class 54 Rating, Add	*570.04*	
		For Class 55 Rating, Add	*852.60*	
		For Class 56 Rating, Add	*1,131.43*	
40 05 19 00-1278	EA	16" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,816.08	553.87
		For Class 52 Rating, Deduct	*-437.46*	
		For Class 54 Rating, Add	*606.60*	
		For Class 55 Rating, Add	*906.99*	
		For Class 56 Rating, Add	*1,203.39*	
40 05 19 00-1279	EA	16" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,063.70	556.62
		For Class 52 Rating, Deduct	*-464.24*	
		For Class 54 Rating, Add	*643.17*	
		For Class 55 Rating, Add	*961.37*	
		For Class 56 Rating, Add	*1,275.36*	
40 05 19 00-1280	EA	16" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,311.30	559.38
		For Class 52 Rating, Deduct	*-491.01*	
		For Class 54 Rating, Add	*679.73*	
		For Class 55 Rating, Add	*1,015.76*	
		For Class 56 Rating, Add	*1,347.32*	
40 05 19 00-1281	EA	16" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,558.91	562.14
		For Class 52 Rating, Deduct	*-517.79*	
		For Class 54 Rating, Add	*716.30*	
		For Class 55 Rating, Add	*1,070.14*	
		For Class 56 Rating, Add	*1,419.28*	
40 05 19 00-1282	EA	16" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,806.52	564.90
		For Class 52 Rating, Deduct	*-544.57*	
		For Class 54 Rating, Add	*752.86*	
		For Class 55 Rating, Add	*1,124.53*	
		For Class 56 Rating, Add	*1,491.25*	
40 05 19 00-1283	EA	16" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,054.14	567.65
		For Class 52 Rating, Deduct	*-571.35*	
		For Class 54 Rating, Add	*789.43*	
		For Class 55 Rating, Add	*1,178.92*	
		For Class 56 Rating, Add	*1,563.21*	
40 05 19 00-1284	EA	16" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,301.74	570.40
		For Class 52 Rating, Deduct	*-598.12*	
		For Class 54 Rating, Add	*825.99*	
		For Class 55 Rating, Add	*1,233.30*	
		For Class 56 Rating, Add	*1,635.17*	
40 05 19 00-1285	EA	16" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,549.35	573.16
		For Class 52 Rating, Deduct	*-624.90*	
		For Class 54 Rating, Add	*862.56*	
		For Class 55 Rating, Add	*1,287.69*	
		For Class 56 Rating, Add	*1,707.14*	
40 05 19 00-1286	EA	16" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,796.97	575.91
		For Class 52 Rating, Deduct	*-651.68*	
		For Class 54 Rating, Add	*899.13*	
		For Class 55 Rating, Add	*1,342.07*	
		For Class 56 Rating, Add	*1,779.10*	
40 05 19 00-1287	EA	16" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,044.58	578.67
		For Class 52 Rating, Deduct	*-678.46*	
		For Class 54 Rating, Add	*935.69*	
		For Class 55 Rating, Add	*1,396.46*	
		For Class 56 Rating, Add	*1,851.07*	
40 05 19 00-1288	EA	16" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,292.18	581.43
		For Class 52 Rating, Deduct	*-705.24*	
		For Class 54 Rating, Add	*972.26*	
		For Class 55 Rating, Add	*1,450.85*	
		For Class 56 Rating, Add	*1,923.03*	
40 05 19 00-1289	EA	16" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,539.79	584.19
		For Class 52 Rating, Deduct	*-732.01*	
		For Class 54 Rating, Add	*1,008.82*	
		For Class 55 Rating, Add	*1,505.23*	
		For Class 56 Rating, Add	*1,994.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1290	EA	16" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,787.41	586.94
		For Class 52 Rating, Deduct	*-758.79*	
		For Class 54 Rating, Add	*1,045.39*	
		For Class 55 Rating, Add	*1,559.62*	
		For Class 56 Rating, Add	*2,066.95*	
40 05 19 00-1291	EA	16" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,035.02	589.70
		For Class 52 Rating, Deduct	*-785.57*	
		For Class 54 Rating, Add	*1,081.95*	
		For Class 55 Rating, Add	*1,614.01*	
		For Class 56 Rating, Add	*2,138.92*	
40 05 19 00-1292	EA	16" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,282.62	592.45
		For Class 52 Rating, Deduct	*-812.35*	
		For Class 54 Rating, Add	*1,118.52*	
		For Class 55 Rating, Add	*1,668.39*	
		For Class 56 Rating, Add	*2,210.88*	
40 05 19 00-1293	EA	16" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,530.23	595.21
		For Class 52 Rating, Deduct	*-839.13*	
		For Class 54 Rating, Add	*1,155.08*	
		For Class 55 Rating, Add	*1,722.78*	
		For Class 56 Rating, Add	*2,282.85*	
40 05 19 00-1294	EA	16" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,777.84	597.96
		For Class 52 Rating, Deduct	*-865.90*	
		For Class 54 Rating, Add	*1,191.65*	
		For Class 55 Rating, Add	*1,777.16*	
		For Class 56 Rating, Add	*2,354.81*	
40 05 19 00-1295	EA	16" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,025.46	600.72
		For Class 52 Rating, Deduct	*-892.68*	
		For Class 54 Rating, Add	*1,228.21*	
		For Class 55 Rating, Add	*1,831.55*	
		For Class 56 Rating, Add	*2,426.77*	
40 05 19 00-1296	EA	16" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,273.06	603.48
		For Class 52 Rating, Deduct	*-919.46*	
		For Class 54 Rating, Add	*1,264.78*	
		For Class 55 Rating, Add	*1,885.94*	
		For Class 56 Rating, Add	*2,498.74*	
40 05 19 00-1297	EA	16" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,520.68	606.23
		For Class 52 Rating, Deduct	*-946.24*	
		For Class 54 Rating, Add	*1,301.34*	
		For Class 55 Rating, Add	*1,940.32*	
		For Class 56 Rating, Add	*2,570.70*	
40 05 19 00-1298	EA	16" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,768.28	608.99
		For Class 52 Rating, Deduct	*-973.01*	
		For Class 54 Rating, Add	*1,337.91*	
		For Class 55 Rating, Add	*1,994.71*	
		For Class 56 Rating, Add	*2,642.66*	
40 05 19 00-1299	EA	16" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,015.90	611.75
		For Class 52 Rating, Deduct	*-999.79*	
		For Class 54 Rating, Add	*1,374.48*	
		For Class 55 Rating, Add	*2,049.10*	
		For Class 56 Rating, Add	*2,714.63*	
40 05 19 00-1300	EA	16" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,263.50	614.51
		For Class 52 Rating, Deduct	*-1,026.57*	
		For Class 54 Rating, Add	*1,411.04*	
		For Class 55 Rating, Add	*2,103.48*	
		For Class 56 Rating, Add	*2,786.59*	
40 05 19 00-1301	EA	16" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,511.12	617.24
		For Class 52 Rating, Deduct	*-1,053.35*	
		For Class 54 Rating, Add	*1,447.61*	
		For Class 55 Rating, Add	*2,157.87*	
		For Class 56 Rating, Add	*2,858.56*	
40 05 19 00-1302	EA	16" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,758.72	620.00
		For Class 52 Rating, Deduct	*-1,080.13*	
		For Class 54 Rating, Add	*1,484.17*	
		For Class 55 Rating, Add	*2,212.25*	
		For Class 56 Rating, Add	*2,930.52*	
40 05 19 00-1303	EA	16" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,006.34	622.76
		For Class 52 Rating, Deduct	*-1,106.90*	
		For Class 54 Rating, Add	*1,520.74*	
		For Class 55 Rating, Add	*2,266.64*	
		For Class 56 Rating, Add	*3,002.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1304	EA	16" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,253.95	625.51
		For Class 52 Rating, Deduct	*-1,133.68*	
		For Class 54 Rating, Add	*1,557.30*	
		For Class 55 Rating, Add	*2,321.03*	
		For Class 56 Rating, Add	*3,074.45*	
40 05 19 00-1305	EA	16" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,501.55	628.27
		For Class 52 Rating, Deduct	*-1,160.46*	
		For Class 54 Rating, Add	*1,593.87*	
		For Class 55 Rating, Add	*2,375.41*	
		For Class 56 Rating, Add	*3,146.41*	
40 05 19 00-1306	EA	16" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,749.16	631.03
		For Class 52 Rating, Deduct	*-1,187.24*	
		For Class 54 Rating, Add	*1,630.43*	
		For Class 55 Rating, Add	*2,429.80*	
		For Class 56 Rating, Add	*3,218.37*	

40 05 19 00-1307 18" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1308	EA	18" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,998.44	596.32
		For Class 52 Rating, Deduct	*-230.44*	
		For Class 54 Rating, Add	*325.08*	
		For Class 55 Rating, Add	*488.86*	
		For Class 56 Rating, Add	*650.53*	
40 05 19 00-1309	EA	18" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,283.50	599.07
		For Class 52 Rating, Deduct	*-261.34*	
		For Class 54 Rating, Add	*367.27*	
		For Class 55 Rating, Add	*551.59*	
		For Class 56 Rating, Add	*733.55*	
40 05 19 00-1310	EA	18" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,568.57	601.81
		For Class 52 Rating, Deduct	*-292.24*	
		For Class 54 Rating, Add	*409.45*	
		For Class 55 Rating, Add	*614.33*	
		For Class 56 Rating, Add	*816.56*	
40 05 19 00-1311	EA	18" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,853.63	604.57
		For Class 52 Rating, Deduct	*-323.14*	
		For Class 54 Rating, Add	*451.63*	
		For Class 55 Rating, Add	*677.07*	
		For Class 56 Rating, Add	*899.57*	
40 05 19 00-1312	EA	18" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,138.69	607.33
		For Class 52 Rating, Deduct	*-354.03*	
		For Class 54 Rating, Add	*493.82*	
		For Class 55 Rating, Add	*739.81*	
		For Class 56 Rating, Add	*982.58*	
40 05 19 00-1313	EA	18" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,423.75	610.08
		For Class 52 Rating, Deduct	*-384.93*	
		For Class 54 Rating, Add	*536.00*	
		For Class 55 Rating, Add	*802.55*	
		For Class 56 Rating, Add	*1,065.59*	
40 05 19 00-1314	EA	18" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,708.81	612.84
		For Class 52 Rating, Deduct	*-415.83*	
		For Class 54 Rating, Add	*578.18*	
		For Class 55 Rating, Add	*865.28*	
		For Class 56 Rating, Add	*1,148.60*	
40 05 19 00-1315	EA	18" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,993.88	615.60
		For Class 52 Rating, Deduct	*-446.73*	
		For Class 54 Rating, Add	*620.37*	
		For Class 55 Rating, Add	*928.02*	
		For Class 56 Rating, Add	*1,231.62*	
40 05 19 00-1316	EA	18" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,278.94	618.36
		For Class 52 Rating, Deduct	*-477.62*	
		For Class 54 Rating, Add	*662.55*	
		For Class 55 Rating, Add	*990.76*	
		For Class 56 Rating, Add	*1,314.63*	
40 05 19 00-1317	EA	18" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,563.99	621.10
		For Class 52 Rating, Deduct	*-508.52*	
		For Class 54 Rating, Add	*704.73*	
		For Class 55 Rating, Add	*1,053.50*	
		For Class 56 Rating, Add	*1,397.64*	

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LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1318	EA	18" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,849.07	623.86
		For Class 52 Rating, Deduct	*-539.42*	
		For Class 54 Rating, Add	*746.91*	
		For Class 55 Rating, Add	*1,116.24*	
		For Class 56 Rating, Add	*1,480.65*	
40 05 19 00-1319	EA	18" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,134.12	626.62
		For Class 52 Rating, Deduct	*-570.32*	
		For Class 54 Rating, Add	*789.10*	
		For Class 55 Rating, Add	*1,178.97*	
		For Class 56 Rating, Add	*1,563.66*	
40 05 19 00-1320	EA	18" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,419.18	629.37
		For Class 52 Rating, Deduct	*-601.21*	
		For Class 54 Rating, Add	*831.28*	
		For Class 55 Rating, Add	*1,241.71*	
		For Class 56 Rating, Add	*1,646.68*	
40 05 19 00-1321	EA	18" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,704.24	632.13
		For Class 52 Rating, Deduct	*-632.11*	
		For Class 54 Rating, Add	*873.46*	
		For Class 55 Rating, Add	*1,304.45*	
		For Class 56 Rating, Add	*1,729.69*	
40 05 19 00-1322	EA	18" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,989.30	634.89
		For Class 52 Rating, Deduct	*-663.01*	
		For Class 54 Rating, Add	*915.65*	
		For Class 55 Rating, Add	*1,367.19*	
		For Class 56 Rating, Add	*1,812.70*	
40 05 19 00-1323	EA	18" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,274.37	637.65
		For Class 52 Rating, Deduct	*-693.91*	
		For Class 54 Rating, Add	*957.83*	
		For Class 55 Rating, Add	*1,429.92*	
		For Class 56 Rating, Add	*1,895.71*	
40 05 19 00-1324	EA	18" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,559.43	640.39
		For Class 52 Rating, Deduct	*-724.80*	
		For Class 54 Rating, Add	*1,000.01*	
		For Class 55 Rating, Add	*1,492.66*	
		For Class 56 Rating, Add	*1,978.72*	
40 05 19 00-1325	EA	18" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,844.48	643.15
		For Class 52 Rating, Deduct	*-755.70*	
		For Class 54 Rating, Add	*1,042.20*	
		For Class 55 Rating, Add	*1,555.40*	
		For Class 56 Rating, Add	*2,061.73*	
40 05 19 00-1326	EA	18" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,129.55	645.91
		For Class 52 Rating, Deduct	*-786.60*	
		For Class 54 Rating, Add	*1,084.38*	
		For Class 55 Rating, Add	*1,618.14*	
		For Class 56 Rating, Add	*2,144.75*	
40 05 19 00-1327	EA	18" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,414.62	648.66
		For Class 52 Rating, Deduct	*-817.50*	
		For Class 54 Rating, Add	*1,126.56*	
		For Class 55 Rating, Add	*1,680.88*	
		For Class 56 Rating, Add	*2,227.76*	
40 05 19 00-1328	EA	18" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,699.67	651.42
		For Class 52 Rating, Deduct	*-848.39*	
		For Class 54 Rating, Add	*1,168.74*	
		For Class 55 Rating, Add	*1,743.61*	
		For Class 56 Rating, Add	*2,310.77*	
40 05 19 00-1329	EA	18" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,984.74	654.18
		For Class 52 Rating, Deduct	*-879.29*	
		For Class 54 Rating, Add	*1,210.93*	
		For Class 55 Rating, Add	*1,806.35*	
		For Class 56 Rating, Add	*2,393.78*	
40 05 19 00-1330	EA	18" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,269.80	656.94
		For Class 52 Rating, Deduct	*-910.19*	
		For Class 54 Rating, Add	*1,253.11*	
		For Class 55 Rating, Add	*1,869.09*	
		For Class 56 Rating, Add	*2,476.80*	
40 05 19 00-1331	EA	18" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,554.86	659.69
		For Class 52 Rating, Deduct	*-941.09*	
		For Class 54 Rating, Add	*1,295.29*	
		For Class 55 Rating, Add	*1,931.83*	
		For Class 56 Rating, Add	*2,559.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1332	EA	18" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,839.92	662.45
		For Class 52 Rating, Deduct	*-971.98*	
		For Class 54 Rating, Add	*1,337.48*	
		For Class 55 Rating, Add	*1,994.57*	
		For Class 56 Rating, Add	*2,642.82*	
40 05 19 00-1333	EA	18" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,124.98	665.20
		For Class 52 Rating, Deduct	*-1,002.88*	
		For Class 54 Rating, Add	*1,379.66*	
		For Class 55 Rating, Add	*2,057.30*	
		For Class 56 Rating, Add	*2,725.83*	
40 05 19 00-1334	EA	18" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,410.04	667.96
		For Class 52 Rating, Deduct	*-1,033.78*	
		For Class 54 Rating, Add	*1,421.84*	
		For Class 55 Rating, Add	*2,120.04*	
		For Class 56 Rating, Add	*2,808.84*	
40 05 19 00-1335	EA	18" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,695.11	670.70
		For Class 52 Rating, Deduct	*-1,064.68*	
		For Class 54 Rating, Add	*1,464.03*	
		For Class 55 Rating, Add	*2,182.78*	
		For Class 56 Rating, Add	*2,891.85*	
40 05 19 00-1336	EA	18" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,980.17	673.46
		For Class 52 Rating, Deduct	*-1,095.57*	
		For Class 54 Rating, Add	*1,506.21*	
		For Class 55 Rating, Add	*2,245.52*	
		For Class 56 Rating, Add	*2,974.86*	
40 05 19 00-1337	EA	18" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,265.23	676.22
		For Class 52 Rating, Deduct	*-1,126.47*	
		For Class 54 Rating, Add	*1,548.39*	
		For Class 55 Rating, Add	*2,308.25*	
		For Class 56 Rating, Add	*3,057.88*	
40 05 19 00-1338	EA	18" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,550.29	678.97
		For Class 52 Rating, Deduct	*-1,157.37*	
		For Class 54 Rating, Add	*1,590.58*	
		For Class 55 Rating, Add	*2,370.99*	
		For Class 56 Rating, Add	*3,140.89*	
40 05 19 00-1339	EA	18" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,835.35	681.73
		For Class 52 Rating, Deduct	*-1,188.27*	
		For Class 54 Rating, Add	*1,632.76*	
		For Class 55 Rating, Add	*2,433.73*	
		For Class 56 Rating, Add	*3,223.90*	
40 05 19 00-1340	EA	18" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,120.42	684.49
		For Class 52 Rating, Deduct	*-1,219.16*	
		For Class 54 Rating, Add	*1,674.94*	
		For Class 55 Rating, Add	*2,496.47*	
		For Class 56 Rating, Add	*3,306.91*	
40 05 19 00-1341	EA	18" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,405.48	687.24
		For Class 52 Rating, Deduct	*-1,250.06*	
		For Class 54 Rating, Add	*1,717.13*	
		For Class 55 Rating, Add	*2,559.21*	
		For Class 56 Rating, Add	*3,389.93*	
40 05 19 00-1342	EA	18" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,690.53	689.99
		For Class 52 Rating, Deduct	*-1,280.96*	
		For Class 54 Rating, Add	*1,759.31*	
		For Class 55 Rating, Add	*2,621.94*	
		For Class 56 Rating, Add	*3,472.93*	
40 05 19 00-1343	EA	18" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,975.59	692.75
		For Class 52 Rating, Deduct	*-1,311.86*	
		For Class 54 Rating, Add	*1,801.49*	
		For Class 55 Rating, Add	*2,684.68*	
		For Class 56 Rating, Add	*3,555.95*	
40 05 19 00-1344	EA	18" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,260.66	695.51
		For Class 52 Rating, Deduct	*-1,342.75*	
		For Class 54 Rating, Add	*1,843.67*	
		For Class 55 Rating, Add	*2,747.42*	
		For Class 56 Rating, Add	*3,638.96*	
40 05 19 00-1345	EA	18" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,545.72	698.26
		For Class 52 Rating, Deduct	*-1,373.65*	
		For Class 54 Rating, Add	*1,885.86*	
		For Class 55 Rating, Add	*2,810.16*	
		For Class 56 Rating, Add	*3,721.97*	

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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1346		20" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*		
40 05 19 00-1347	EA	20" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,498.38	680.64
		For Class 52 Rating, Deduct	*-271.38*	
		For Class 54 Rating, Add	*382.44*	
		For Class 55 Rating, Add	*574.92*	
		For Class 56 Rating, Add	*764.93*	
40 05 19 00-1348	EA	20" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,825.57	683.39
		For Class 52 Rating, Deduct	*-306.92*	
		For Class 54 Rating, Add	*430.95*	
		For Class 55 Rating, Add	*647.05*	
		For Class 56 Rating, Add	*860.37*	
40 05 19 00-1349	EA	20" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,152.77	686.13
		For Class 52 Rating, Deduct	*-342.45*	
		For Class 54 Rating, Add	*479.45*	
		For Class 55 Rating, Add	*719.19*	
		For Class 56 Rating, Add	*955.81*	
40 05 19 00-1350	EA	20" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,479.96	688.89
		For Class 52 Rating, Deduct	*-377.98*	
		For Class 54 Rating, Add	*527.95*	
		For Class 55 Rating, Add	*791.32*	
		For Class 56 Rating, Add	*1,051.25*	
40 05 19 00-1351	EA	20" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,807.16	691.65
		For Class 52 Rating, Deduct	*-413.51*	
		For Class 54 Rating, Add	*576.46*	
		For Class 55 Rating, Add	*863.45*	
		For Class 56 Rating, Add	*1,146.69*	
40 05 19 00-1352	EA	20" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,134.35	694.40
		For Class 52 Rating, Deduct	*-449.04*	
		For Class 54 Rating, Add	*624.96*	
		For Class 55 Rating, Add	*935.59*	
		For Class 56 Rating, Add	*1,242.13*	
40 05 19 00-1353	EA	20" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,461.55	697.16
		For Class 52 Rating, Deduct	*-484.58*	
		For Class 54 Rating, Add	*673.46*	
		For Class 55 Rating, Add	*1,007.72*	
		For Class 56 Rating, Add	*1,337.57*	
40 05 19 00-1354	EA	20" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,788.73	699.92
		For Class 52 Rating, Deduct	*-520.11*	
		For Class 54 Rating, Add	*721.96*	
		For Class 55 Rating, Add	*1,079.85*	
		For Class 56 Rating, Add	*1,433.01*	
40 05 19 00-1355	EA	20" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,115.93	702.68
		For Class 52 Rating, Deduct	*-555.64*	
		For Class 54 Rating, Add	*770.47*	
		For Class 55 Rating, Add	*1,151.99*	
		For Class 56 Rating, Add	*1,528.45*	
40 05 19 00-1356	EA	20" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,443.12	705.42
		For Class 52 Rating, Deduct	*-591.17*	
		For Class 54 Rating, Add	*818.97*	
		For Class 55 Rating, Add	*1,224.12*	
		For Class 56 Rating, Add	*1,623.89*	
40 05 19 00-1357	EA	20" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,770.32	708.18
		For Class 52 Rating, Deduct	*-626.70*	
		For Class 54 Rating, Add	*867.47*	
		For Class 55 Rating, Add	*1,296.25*	
		For Class 56 Rating, Add	*1,719.33*	
40 05 19 00-1358	EA	20" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,097.51	710.94
		For Class 52 Rating, Deduct	*-662.24*	
		For Class 54 Rating, Add	*915.98*	
		For Class 55 Rating, Add	*1,368.39*	
		For Class 56 Rating, Add	*1,814.78*	
40 05 19 00-1359	EA	20" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,424.70	713.69
		For Class 52 Rating, Deduct	*-697.77*	
		For Class 54 Rating, Add	*964.48*	
		For Class 55 Rating, Add	*1,440.52*	
		For Class 56 Rating, Add	*1,910.22*	
40 05 19 00-1360	EA	20" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,751.91	716.45
		For Class 52 Rating, Deduct	*-733.30*	
		For Class 54 Rating, Add	*1,012.98*	
		For Class 55 Rating, Add	*1,512.65*	
		For Class 56 Rating, Add	*2,005.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1361	EA	20" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,079.10	719.21
		For Class 52 Rating, Deduct	*-768.83*	
		For Class 54 Rating, Add	*1,061.49*	
		For Class 55 Rating, Add	*1,584.79*	
		For Class 56 Rating, Add	*2,101.10*	
40 05 19 00-1362	EA	20" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,406.29	721.97
		For Class 52 Rating, Deduct	*-804.37*	
		For Class 54 Rating, Add	*1,109.99*	
		For Class 55 Rating, Add	*1,656.92*	
		For Class 56 Rating, Add	*2,196.54*	
40 05 19 00-1363	EA	20" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,733.48	724.72
		For Class 52 Rating, Deduct	*-839.90*	
		For Class 54 Rating, Add	*1,158.49*	
		For Class 55 Rating, Add	*1,729.05*	
		For Class 56 Rating, Add	*2,291.98*	
40 05 19 00-1364	EA	20" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,060.69	727.47
		For Class 52 Rating, Deduct	*-875.43*	
		For Class 54 Rating, Add	*1,206.99*	
		For Class 55 Rating, Add	*1,801.19*	
		For Class 56 Rating, Add	*2,387.42*	
40 05 19 00-1365	EA	20" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,387.88	730.23
		For Class 52 Rating, Deduct	*-910.96*	
		For Class 54 Rating, Add	*1,255.50*	
		For Class 55 Rating, Add	*1,873.32*	
		For Class 56 Rating, Add	*2,482.86*	
40 05 19 00-1366	EA	20" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,715.07	732.99
		For Class 52 Rating, Deduct	*-946.49*	
		For Class 54 Rating, Add	*1,304.00*	
		For Class 55 Rating, Add	*1,945.46*	
		For Class 56 Rating, Add	*2,578.31*	
40 05 19 00-1367	EA	20" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,042.27	735.74
		For Class 52 Rating, Deduct	*-982.03*	
		For Class 54 Rating, Add	*1,352.50*	
		For Class 55 Rating, Add	*2,017.59*	
		For Class 56 Rating, Add	*2,673.75*	
40 05 19 00-1368	EA	20" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,369.47	738.50
		For Class 52 Rating, Deduct	*-1,017.56*	
		For Class 54 Rating, Add	*1,401.01*	
		For Class 55 Rating, Add	*2,089.72*	
		For Class 56 Rating, Add	*2,769.19*	
40 05 19 00-1369	EA	20" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,696.65	741.26
		For Class 52 Rating, Deduct	*-1,053.09*	
		For Class 54 Rating, Add	*1,449.51*	
		For Class 55 Rating, Add	*2,161.85*	
		For Class 56 Rating, Add	*2,864.63*	
40 05 19 00-1370	EA	20" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,023.84	744.01
		For Class 52 Rating, Deduct	*-1,088.62*	
		For Class 54 Rating, Add	*1,498.01*	
		For Class 55 Rating, Add	*2,233.99*	
		For Class 56 Rating, Add	*2,960.07*	
40 05 19 00-1371	EA	20" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,351.04	746.77
		For Class 52 Rating, Deduct	*-1,124.15*	
		For Class 54 Rating, Add	*1,546.51*	
		For Class 55 Rating, Add	*2,306.12*	
		For Class 56 Rating, Add	*3,055.51*	
40 05 19 00-1372	EA	20" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,678.24	749.52
		For Class 52 Rating, Deduct	*-1,159.69*	
		For Class 54 Rating, Add	*1,595.02*	
		For Class 55 Rating, Add	*2,378.26*	
		For Class 56 Rating, Add	*3,150.95*	
40 05 19 00-1373	EA	20" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,005.43	752.28
		For Class 52 Rating, Deduct	*-1,195.22*	
		For Class 54 Rating, Add	*1,643.52*	
		For Class 55 Rating, Add	*2,450.39*	
		For Class 56 Rating, Add	*3,246.39*	
40 05 19 00-1374	EA	20" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,332.62	755.02
		For Class 52 Rating, Deduct	*-1,230.75*	
		For Class 54 Rating, Add	*1,692.02*	
		For Class 55 Rating, Add	*2,522.52*	
		For Class 56 Rating, Add	*3,341.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1375	EA	20" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,659.82	757.78
		For Class 52 Rating, Deduct	*-1,266.28*	
		For Class 54 Rating, Add	*1,740.53*	
		For Class 55 Rating, Add	*2,594.66*	
		For Class 56 Rating, Add	*3,437.27*	
40 05 19 00-1376	EA	20" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,987.01	760.54
		For Class 52 Rating, Deduct	*-1,301.81*	
		For Class 54 Rating, Add	*1,789.03*	
		For Class 55 Rating, Add	*2,666.79*	
		For Class 56 Rating, Add	*3,532.71*	
40 05 19 00-1377	EA	20" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,314.21	763.29
		For Class 52 Rating, Deduct	*-1,337.35*	
		For Class 54 Rating, Add	*1,837.53*	
		For Class 55 Rating, Add	*2,738.92*	
		For Class 56 Rating, Add	*3,628.16*	
40 05 19 00-1378	EA	20" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,641.41	766.05
		For Class 52 Rating, Deduct	*-1,372.88*	
		For Class 54 Rating, Add	*1,886.04*	
		For Class 55 Rating, Add	*2,811.06*	
		For Class 56 Rating, Add	*3,723.60*	
40 05 19 00-1379	EA	20" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,968.60	768.81
		For Class 52 Rating, Deduct	*-1,408.41*	
		For Class 54 Rating, Add	*1,934.54*	
		For Class 55 Rating, Add	*2,883.19*	
		For Class 56 Rating, Add	*3,819.04*	
40 05 19 00-1380	EA	20" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,295.79	771.57
		For Class 52 Rating, Deduct	*-1,443.94*	
		For Class 54 Rating, Add	*1,983.04*	
		For Class 55 Rating, Add	*2,955.32*	
		For Class 56 Rating, Add	*3,914.48*	
40 05 19 00-1381	EA	20" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,622.99	774.31
		For Class 52 Rating, Deduct	*-1,479.48*	
		For Class 54 Rating, Add	*2,031.55*	
		For Class 55 Rating, Add	*3,027.46*	
		For Class 56 Rating, Add	*4,009.92*	
40 05 19 00-1382	EA	20" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,950.19	777.07
		For Class 52 Rating, Deduct	*-1,515.01*	
		For Class 54 Rating, Add	*2,080.05*	
		For Class 55 Rating, Add	*3,099.59*	
		For Class 56 Rating, Add	*4,105.36*	
40 05 19 00-1383	EA	20" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,277.38	779.83
		For Class 52 Rating, Deduct	*-1,550.54*	
		For Class 54 Rating, Add	*2,128.55*	
		For Class 55 Rating, Add	*3,171.73*	
		For Class 56 Rating, Add	*4,200.80*	
40 05 19 00-1384	EA	20" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,604.57	782.58
		For Class 52 Rating, Deduct	*-1,586.07*	
		For Class 54 Rating, Add	*2,177.05*	
		For Class 55 Rating, Add	*3,243.86*	
		For Class 56 Rating, Add	*4,296.24*	

40 05 19 00-1385 24" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1386	EA	24" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,299.52	804.63
		For Class 52 Rating, Deduct	*-338.84*	
		For Class 54 Rating, Add	*476.69*	
		For Class 55 Rating, Add	*716.19*	
		For Class 56 Rating, Add	*952.60*	
40 05 19 00-1387	EA	24" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,703.97	807.39
		For Class 52 Rating, Deduct	*-382.87*	
		For Class 54 Rating, Add	*536.78*	
		For Class 55 Rating, Add	*805.54*	
		For Class 56 Rating, Add	*1,070.83*	
40 05 19 00-1388	EA	24" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,108.40	810.15
		For Class 52 Rating, Deduct	*-426.90*	
		For Class 54 Rating, Add	*596.87*	
		For Class 55 Rating, Add	*894.90*	
		For Class 56 Rating, Add	*1,189.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1389	EA	24" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,512.84	812.90
		For Class 52 Rating, Deduct	*-470.93*	
		For Class 54 Rating, Add	*656.96*	
		For Class 55 Rating, Add	*984.26*	
		For Class 56 Rating, Add	*1,307.29*	
40 05 19 00-1390	EA	24" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,917.28	815.65
		For Class 52 Rating, Deduct	*-514.96*	
		For Class 54 Rating, Add	*717.05*	
		For Class 55 Rating, Add	*1,073.62*	
		For Class 56 Rating, Add	*1,425.52*	
40 05 19 00-1391	EA	24" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,321.71	818.41
		For Class 52 Rating, Deduct	*-558.99*	
		For Class 54 Rating, Add	*777.14*	
		For Class 55 Rating, Add	*1,162.98*	
		For Class 56 Rating, Add	*1,543.74*	
40 05 19 00-1392	EA	24" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,726.16	821.17
		For Class 52 Rating, Deduct	*-603.02*	
		For Class 54 Rating, Add	*837.23*	
		For Class 55 Rating, Add	*1,252.34*	
		For Class 56 Rating, Add	*1,661.97*	
40 05 19 00-1393	EA	24" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,130.59	823.92
		For Class 52 Rating, Deduct	*-647.05*	
		For Class 54 Rating, Add	*897.31*	
		For Class 55 Rating, Add	*1,341.70*	
		For Class 56 Rating, Add	*1,780.20*	
40 05 19 00-1394	EA	24" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,535.03	826.68
		For Class 52 Rating, Deduct	*-691.07*	
		For Class 54 Rating, Add	*957.40*	
		For Class 55 Rating, Add	*1,431.06*	
		For Class 56 Rating, Add	*1,898.43*	
40 05 19 00-1395	EA	24" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,939.47	829.44
		For Class 52 Rating, Deduct	*-735.10*	
		For Class 54 Rating, Add	*1,017.49*	
		For Class 55 Rating, Add	*1,520.42*	
		For Class 56 Rating, Add	*2,016.66*	
40 05 19 00-1396	EA	24" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,343.91	832.18
		For Class 52 Rating, Deduct	*-779.13*	
		For Class 54 Rating, Add	*1,077.58*	
		For Class 55 Rating, Add	*1,609.77*	
		For Class 56 Rating, Add	*2,134.88*	
40 05 19 00-1397	EA	24" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,748.34	834.94
		For Class 52 Rating, Deduct	*-823.16*	
		For Class 54 Rating, Add	*1,137.67*	
		For Class 55 Rating, Add	*1,699.13*	
		For Class 56 Rating, Add	*2,253.11*	
40 05 19 00-1398	EA	24" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,152.78	837.69
		For Class 52 Rating, Deduct	*-867.19*	
		For Class 54 Rating, Add	*1,197.76*	
		For Class 55 Rating, Add	*1,788.49*	
		For Class 56 Rating, Add	*2,371.34*	
40 05 19 00-1399	EA	24" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,557.22	840.45
		For Class 52 Rating, Deduct	*-911.22*	
		For Class 54 Rating, Add	*1,257.85*	
		For Class 55 Rating, Add	*1,877.85*	
		For Class 56 Rating, Add	*2,489.57*	
40 05 19 00-1400	EA	24" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,961.66	843.20
		For Class 52 Rating, Deduct	*-955.25*	
		For Class 54 Rating, Add	*1,317.94*	
		For Class 55 Rating, Add	*1,967.21*	
		For Class 56 Rating, Add	*2,607.79*	
40 05 19 00-1401	EA	24" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,366.10	845.96
		For Class 52 Rating, Deduct	*-999.28*	
		For Class 54 Rating, Add	*1,378.03*	
		For Class 55 Rating, Add	*2,056.57*	
		For Class 56 Rating, Add	*2,726.02*	
40 05 19 00-1402	EA	24" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,770.54	848.72
		For Class 52 Rating, Deduct	*-1,043.31*	
		For Class 54 Rating, Add	*1,438.12*	
		For Class 55 Rating, Add	*2,145.93*	
		For Class 56 Rating, Add	*2,844.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1403	EA	24" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,174.97	851.47
		For Class 52 Rating, Deduct	*-1,087.33*	
		For Class 54 Rating, Add	*1,498.21*	
		For Class 55 Rating, Add	*2,235.29*	
		For Class 56 Rating, Add	*2,962.48*	
40 05 19 00-1404	EA	24" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,579.41	854.23
		For Class 52 Rating, Deduct	*-1,131.36*	
		For Class 54 Rating, Add	*1,558.30*	
		For Class 55 Rating, Add	*2,324.64*	
		For Class 56 Rating, Add	*3,080.70*	
40 05 19 00-1405	EA	24" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,983.86	856.99
		For Class 52 Rating, Deduct	*-1,175.39*	
		For Class 54 Rating, Add	*1,618.39*	
		For Class 55 Rating, Add	*2,414.01*	
		For Class 56 Rating, Add	*3,198.93*	
40 05 19 00-1406	EA	24" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,388.29	859.75
		For Class 52 Rating, Deduct	*-1,219.42*	
		For Class 54 Rating, Add	*1,678.48*	
		For Class 55 Rating, Add	*2,503.36*	
		For Class 56 Rating, Add	*3,317.16*	
40 05 19 00-1407	EA	24" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,792.72	862.49
		For Class 52 Rating, Deduct	*-1,263.45*	
		For Class 54 Rating, Add	*1,738.57*	
		For Class 55 Rating, Add	*2,592.72*	
		For Class 56 Rating, Add	*3,435.39*	
40 05 19 00-1408	EA	24" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,197.17	865.25
		For Class 52 Rating, Deduct	*-1,307.48*	
		For Class 54 Rating, Add	*1,798.66*	
		For Class 55 Rating, Add	*2,682.08*	
		For Class 56 Rating, Add	*3,553.62*	
40 05 19 00-1409	EA	24" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,601.61	868.01
		For Class 52 Rating, Deduct	*-1,351.51*	
		For Class 54 Rating, Add	*1,858.75*	
		For Class 55 Rating, Add	*2,771.44*	
		For Class 56 Rating, Add	*3,671.85*	
40 05 19 00-1410	EA	24" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,006.04	870.77
		For Class 52 Rating, Deduct	*-1,395.54*	
		For Class 54 Rating, Add	*1,918.84*	
		For Class 55 Rating, Add	*2,860.80*	
		For Class 56 Rating, Add	*3,790.07*	
40 05 19 00-1411	EA	24" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,410.48	873.52
		For Class 52 Rating, Deduct	*-1,439.57*	
		For Class 54 Rating, Add	*1,978.93*	
		For Class 55 Rating, Add	*2,950.16*	
		For Class 56 Rating, Add	*3,908.30*	
40 05 19 00-1412	EA	24" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,814.92	876.28
		For Class 52 Rating, Deduct	*-1,483.60*	
		For Class 54 Rating, Add	*2,039.02*	
		For Class 55 Rating, Add	*3,039.52*	
		For Class 56 Rating, Add	*4,026.53*	
40 05 19 00-1413	EA	24" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,219.36	879.04
		For Class 52 Rating, Deduct	*-1,527.62*	
		For Class 54 Rating, Add	*2,099.11*	
		For Class 55 Rating, Add	*3,128.88*	
		For Class 56 Rating, Add	*4,144.76*	
40 05 19 00-1414	EA	24" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,623.79	881.78
		For Class 52 Rating, Deduct	*-1,571.65*	
		For Class 54 Rating, Add	*2,159.19*	
		For Class 55 Rating, Add	*3,218.23*	
		For Class 56 Rating, Add	*4,262.98*	
40 05 19 00-1415	EA	24" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,099.21	931.38
		For Class 52 Rating, Deduct	*-1,615.68*	
		For Class 54 Rating, Add	*2,220.14*	
		For Class 55 Rating, Add	*3,309.30*	
		For Class 56 Rating, Add	*4,383.77*	
40 05 19 00-1416	EA	24" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,503.64	934.14
		For Class 52 Rating, Deduct	*-1,659.71*	
		For Class 54 Rating, Add	*2,280.23*	
		For Class 55 Rating, Add	*3,398.66*	
		For Class 56 Rating, Add	*4,502.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1417	EA	24" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,908.09	936.90
		For Class 52 Rating, Deduct	*-1,703.74*	
		For Class 54 Rating, Add	*2,340.32*	
		For Class 55 Rating, Add	*3,488.01*	
		For Class 56 Rating, Add	*4,620.22*	
40 05 19 00-1418	EA	24" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,312.53	939.66
		For Class 52 Rating, Deduct	*-1,747.77*	
		For Class 54 Rating, Add	*2,400.41*	
		For Class 55 Rating, Add	*3,577.37*	
		For Class 56 Rating, Add	*4,738.45*	
40 05 19 00-1419	EA	24" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,716.96	942.41
		For Class 52 Rating, Deduct	*-1,791.80*	
		For Class 54 Rating, Add	*2,460.50*	
		For Class 55 Rating, Add	*3,666.73*	
		For Class 56 Rating, Add	*4,856.68*	
40 05 19 00-1420	EA	24" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,121.39	945.17
		For Class 52 Rating, Deduct	*-1,835.83*	
		For Class 54 Rating, Add	*2,520.58*	
		For Class 55 Rating, Add	*3,756.09*	
		For Class 56 Rating, Add	*4,974.91*	
40 05 19 00-1421	EA	24" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,525.85	947.93
		For Class 52 Rating, Deduct	*-1,879.86*	
		For Class 54 Rating, Add	*2,580.68*	
		For Class 55 Rating, Add	*3,845.45*	
		For Class 56 Rating, Add	*5,093.14*	
40 05 19 00-1422	EA	24" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,930.28	950.67
		For Class 52 Rating, Deduct	*-1,923.88*	
		For Class 54 Rating, Add	*2,640.76*	
		For Class 55 Rating, Add	*3,934.81*	
		For Class 56 Rating, Add	*5,211.36*	
40 05 19 00-1423	EA	24" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,334.71	953.43
		For Class 52 Rating, Deduct	*-1,967.91*	
		For Class 54 Rating, Add	*2,700.85*	
		For Class 55 Rating, Add	*4,024.17*	
		For Class 56 Rating, Add	*5,329.59*	

40 05 19 00-1424 30" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1425	EA	30" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,588.85	1,135.30
		For Class 52 Rating, Deduct	*-535.56*	
		For Class 54 Rating, Add	*750.95*	
		For Class 55 Rating, Add	*1,127.00*	
		For Class 56 Rating, Add	*1,498.19*	
40 05 19 00-1426	EA	30" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,171.19	1,138.05
		For Class 52 Rating, Deduct	*-599.15*	
		For Class 54 Rating, Add	*837.72*	
		For Class 55 Rating, Add	*1,256.03*	
		For Class 56 Rating, Add	*1,668.90*	
40 05 19 00-1427	EA	30" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,753.51	1,140.81
		For Class 52 Rating, Deduct	*-662.75*	
		For Class 54 Rating, Add	*924.49*	
		For Class 55 Rating, Add	*1,385.06*	
		For Class 56 Rating, Add	*1,839.60*	
40 05 19 00-1428	EA	30" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,335.84	1,143.57
		For Class 52 Rating, Deduct	*-726.35*	
		For Class 54 Rating, Add	*1,011.27*	
		For Class 55 Rating, Add	*1,514.09*	
		For Class 56 Rating, Add	*2,010.31*	
40 05 19 00-1429	EA	30" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,918.19	1,146.33
		For Class 52 Rating, Deduct	*-789.95*	
		For Class 54 Rating, Add	*1,098.04*	
		For Class 55 Rating, Add	*1,643.12*	
		For Class 56 Rating, Add	*2,181.02*	
40 05 19 00-1430	EA	30" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,500.52	1,149.08
		For Class 52 Rating, Deduct	*-853.54*	
		For Class 54 Rating, Add	*1,184.82*	
		For Class 55 Rating, Add	*1,772.15*	
		For Class 56 Rating, Add	*2,351.73*	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1431	EA	30" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,082.84	1,151.83
		For Class 52 Rating, Deduct	*-917.14*	
		For Class 54 Rating, Add	*1,271.59*	
		For Class 55 Rating, Add	*1,901.18*	
		For Class 56 Rating, Add	*2,522.43*	
40 05 19 00-1432	EA	30" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,665.17	1,154.59
		For Class 52 Rating, Deduct	*-980.74*	
		For Class 54 Rating, Add	*1,358.36*	
		For Class 55 Rating, Add	*2,030.21*	
		For Class 56 Rating, Add	*2,693.14*	
40 05 19 00-1433	EA	30" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,247.52	1,157.34
		For Class 52 Rating, Deduct	*-1,044.34*	
		For Class 54 Rating, Add	*1,445.14*	
		For Class 55 Rating, Add	*2,159.24*	
		For Class 56 Rating, Add	*2,863.85*	
40 05 19 00-1434	EA	30" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,829.85	1,160.10
		For Class 52 Rating, Deduct	*-1,107.93*	
		For Class 54 Rating, Add	*1,531.91*	
		For Class 55 Rating, Add	*2,288.27*	
		For Class 56 Rating, Add	*3,034.55*	
40 05 19 00-1435	EA	30" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,412.18	1,162.86
		For Class 52 Rating, Deduct	*-1,171.53*	
		For Class 54 Rating, Add	*1,618.68*	
		For Class 55 Rating, Add	*2,417.30*	
		For Class 56 Rating, Add	*3,205.26*	
40 05 19 00-1436	EA	30" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,994.50	1,165.62
		For Class 52 Rating, Deduct	*-1,235.13*	
		For Class 54 Rating, Add	*1,705.46*	
		For Class 55 Rating, Add	*2,546.33*	
		For Class 56 Rating, Add	*3,375.97*	
40 05 19 00-1437	EA	30" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,576.85	1,168.37
		For Class 52 Rating, Deduct	*-1,298.72*	
		For Class 54 Rating, Add	*1,792.23*	
		For Class 55 Rating, Add	*2,675.36*	
		For Class 56 Rating, Add	*3,546.67*	
40 05 19 00-1438	EA	30" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,159.18	1,171.13
		For Class 52 Rating, Deduct	*-1,362.32*	
		For Class 54 Rating, Add	*1,879.01*	
		For Class 55 Rating, Add	*2,804.39*	
		For Class 56 Rating, Add	*3,717.38*	
40 05 19 00-1439	EA	30" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,741.51	1,173.88
		For Class 52 Rating, Deduct	*-1,425.92*	
		For Class 54 Rating, Add	*1,965.78*	
		For Class 55 Rating, Add	*2,933.42*	
		For Class 56 Rating, Add	*3,888.09*	
40 05 19 00-1440	EA	30" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,323.85	1,176.63
		For Class 52 Rating, Deduct	*-1,489.52*	
		For Class 54 Rating, Add	*2,052.55*	
		For Class 55 Rating, Add	*3,062.45*	
		For Class 56 Rating, Add	*4,058.80*	
40 05 19 00-1441	EA	30" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,906.18	1,179.39
		For Class 52 Rating, Deduct	*-1,553.11*	
		For Class 54 Rating, Add	*2,139.33*	
		For Class 55 Rating, Add	*3,191.47*	
		For Class 56 Rating, Add	*4,229.50*	
40 05 19 00-1442	EA	30" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,488.51	1,182.15
		For Class 52 Rating, Deduct	*-1,616.71*	
		For Class 54 Rating, Add	*2,226.10*	
		For Class 55 Rating, Add	*3,320.50*	
		For Class 56 Rating, Add	*4,400.21*	
40 05 19 00-1443	EA	30" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,070.84	1,184.91
		For Class 52 Rating, Deduct	*-1,680.31*	
		For Class 54 Rating, Add	*2,312.87*	
		For Class 55 Rating, Add	*3,449.53*	
		For Class 56 Rating, Add	*4,570.92*	
40 05 19 00-1444	EA	30" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,653.18	1,187.65
		For Class 52 Rating, Deduct	*-1,743.91*	
		For Class 54 Rating, Add	*2,399.65*	
		For Class 55 Rating, Add	*3,578.56*	
		For Class 56 Rating, Add	*4,741.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1445	EA	30" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,235.50	1,190.41
		For Class 52 Rating, Deduct	*-1,807.50*	
		For Class 54 Rating, Add	*2,486.42*	
		For Class 55 Rating, Add	*3,707.59*	
		For Class 56 Rating, Add	*4,912.33*	
40 05 19 00-1446	EA	30" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,817.84	1,193.17
		For Class 52 Rating, Deduct	*-1,871.10*	
		For Class 54 Rating, Add	*2,573.20*	
		For Class 55 Rating, Add	*3,836.62*	
		For Class 56 Rating, Add	*5,083.03*	
40 05 19 00-1447	EA	30" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,400.18	1,195.91
		For Class 52 Rating, Deduct	*-1,934.70*	
		For Class 54 Rating, Add	*2,659.97*	
		For Class 55 Rating, Add	*3,965.65*	
		For Class 56 Rating, Add	*5,253.74*	
40 05 19 00-1448	EA	30" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,982.51	1,198.67
		For Class 52 Rating, Deduct	*-1,998.30*	
		For Class 54 Rating, Add	*2,746.74*	
		For Class 55 Rating, Add	*4,094.68*	
		For Class 56 Rating, Add	*5,424.45*	
40 05 19 00-1449	EA	30" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,564.84	1,201.43
		For Class 52 Rating, Deduct	*-2,061.89*	
		For Class 54 Rating, Add	*2,833.52*	
		For Class 55 Rating, Add	*4,223.71*	
		For Class 56 Rating, Add	*5,595.16*	
40 05 19 00-1450	EA	30" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,147.17	1,204.19
		For Class 52 Rating, Deduct	*-2,125.49*	
		For Class 54 Rating, Add	*2,920.29*	
		For Class 55 Rating, Add	*4,352.74*	
		For Class 56 Rating, Add	*5,765.86*	
40 05 19 00-1451	EA	30" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,729.51	1,206.94
		For Class 52 Rating, Deduct	*-2,189.09*	
		For Class 54 Rating, Add	*3,007.06*	
		For Class 55 Rating, Add	*4,481.77*	
		For Class 56 Rating, Add	*5,936.57*	
40 05 19 00-1452	EA	30" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,311.84	1,209.70
		For Class 52 Rating, Deduct	*-2,252.69*	
		For Class 54 Rating, Add	*3,093.84*	
		For Class 55 Rating, Add	*4,610.80*	
		For Class 56 Rating, Add	*6,107.28*	
40 05 19 00-1453	EA	30" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,894.17	1,212.46
		For Class 52 Rating, Deduct	*-2,316.28*	
		For Class 54 Rating, Add	*3,180.61*	
		For Class 55 Rating, Add	*4,739.83*	
		For Class 56 Rating, Add	*6,277.98*	
40 05 19 00-1454	EA	30" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,476.51	1,215.22
		For Class 52 Rating, Deduct	*-2,379.88*	
		For Class 54 Rating, Add	*3,267.39*	
		For Class 55 Rating, Add	*4,868.86*	
		For Class 56 Rating, Add	*6,448.69*	
40 05 19 00-1455	EA	30" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,058.84	1,217.96
		For Class 52 Rating, Deduct	*-2,443.48*	
		For Class 54 Rating, Add	*3,354.16*	
		For Class 55 Rating, Add	*4,997.88*	
		For Class 56 Rating, Add	*6,619.40*	
40 05 19 00-1456	EA	30" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,641.17	1,220.72
		For Class 52 Rating, Deduct	*-2,507.07*	
		For Class 54 Rating, Add	*3,440.93*	
		For Class 55 Rating, Add	*5,126.91*	
		For Class 56 Rating, Add	*6,790.10*	
40 05 19 00-1457	EA	30" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,223.50	1,223.48
		For Class 52 Rating, Deduct	*-2,570.67*	
		For Class 54 Rating, Add	*3,527.71*	
		For Class 55 Rating, Add	*5,255.94*	
		For Class 56 Rating, Add	*6,960.81*	
40 05 19 00-1458	EA	30" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,805.85	1,226.23
		For Class 52 Rating, Deduct	*-2,634.27*	
		For Class 54 Rating, Add	*3,614.48*	
		For Class 55 Rating, Add	*5,384.97*	
		For Class 56 Rating, Add	*7,131.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1459	EA	30" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,388.17	1,228.99
		For Class 52 Rating, Deduct	*-2,697.87*	
		For Class 54 Rating, Add	*3,701.25*	
		For Class 55 Rating, Add	*5,514.00*	
		For Class 56 Rating, Add	*7,302.22*	
40 05 19 00-1460	EA	30" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,970.50	1,231.75
		For Class 52 Rating, Deduct	*-2,761.46*	
		For Class 54 Rating, Add	*3,788.03*	
		For Class 55 Rating, Add	*5,643.03*	
		For Class 56 Rating, Add	*7,472.93*	
40 05 19 00-1461	EA	30" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,552.83	1,234.51
		For Class 52 Rating, Deduct	*-2,825.06*	
		For Class 54 Rating, Add	*3,874.80*	
		For Class 55 Rating, Add	*5,772.06*	
		For Class 56 Rating, Add	*7,643.64*	
40 05 19 00-1462	EA	30" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,135.18	1,237.26
		For Class 52 Rating, Deduct	*-2,888.66*	
		For Class 54 Rating, Add	*3,961.58*	
		For Class 55 Rating, Add	*5,901.09*	
		For Class 56 Rating, Add	*7,814.35*	

40 05 19 00-1463 36" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1464	EA	36" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,112.63	1,438.42
		For Class 52 Rating, Deduct	*-762.65*	
		For Class 54 Rating, Add	*1,066.13*	
		For Class 55 Rating, Add	*1,598.41*	
		For Class 56 Rating, Add	*2,123.76*	
40 05 19 00-1465	EA	36" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,903.28	1,441.18
		For Class 52 Rating, Deduct	*-849.17*	
		For Class 54 Rating, Add	*1,184.16*	
		For Class 55 Rating, Add	*1,773.90*	
		For Class 56 Rating, Add	*2,355.92*	
40 05 19 00-1466	EA	36" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,693.94	1,443.92
		For Class 52 Rating, Deduct	*-935.68*	
		For Class 54 Rating, Add	*1,302.18*	
		For Class 55 Rating, Add	*1,949.38*	
		For Class 56 Rating, Add	*2,588.08*	
40 05 19 00-1467	EA	36" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,484.61	1,446.68
		For Class 52 Rating, Deduct	*-1,022.19*	
		For Class 54 Rating, Add	*1,420.20*	
		For Class 55 Rating, Add	*2,124.87*	
		For Class 56 Rating, Add	*2,820.24*	
40 05 19 00-1468	EA	36" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,275.26	1,449.44
		For Class 52 Rating, Deduct	*-1,108.71*	
		For Class 54 Rating, Add	*1,538.22*	
		For Class 55 Rating, Add	*2,300.36*	
		For Class 56 Rating, Add	*3,052.41*	
40 05 19 00-1469	EA	36" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,065.91	1,452.19
		For Class 52 Rating, Deduct	*-1,195.22*	
		For Class 54 Rating, Add	*1,656.25*	
		For Class 55 Rating, Add	*2,475.84*	
		For Class 56 Rating, Add	*3,284.57*	
40 05 19 00-1470	EA	36" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,856.56	1,454.95
		For Class 52 Rating, Deduct	*-1,281.73*	
		For Class 54 Rating, Add	*1,774.27*	
		For Class 55 Rating, Add	*2,651.33*	
		For Class 56 Rating, Add	*3,516.73*	
40 05 19 00-1471	EA	36" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,647.24	1,457.71
		For Class 52 Rating, Deduct	*-1,368.24*	
		For Class 54 Rating, Add	*1,892.29*	
		For Class 55 Rating, Add	*2,826.81*	
		For Class 56 Rating, Add	*3,748.90*	
40 05 19 00-1472	EA	36" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,437.89	1,460.47
		For Class 52 Rating, Deduct	*-1,454.76*	
		For Class 54 Rating, Add	*2,010.31*	
		For Class 55 Rating, Add	*3,002.30*	
		For Class 56 Rating, Add	*3,981.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1473	EA	36" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,228.54	1,463.21
		For Class 52 Rating, Deduct	*-1,541.27*	
		For Class 54 Rating, Add	*2,128.34*	
		For Class 55 Rating, Add	*3,177.78*	
		For Class 56 Rating, Add	*4,213.22*	
40 05 19 00-1474	EA	36" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,019.19	1,465.97
		For Class 52 Rating, Deduct	*-1,627.78*	
		For Class 54 Rating, Add	*2,246.36*	
		For Class 55 Rating, Add	*3,353.27*	
		For Class 56 Rating, Add	*4,445.38*	
40 05 19 00-1475	EA	36" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,809.85	1,468.73
		For Class 52 Rating, Deduct	*-1,714.30*	
		For Class 54 Rating, Add	*2,364.38*	
		For Class 55 Rating, Add	*3,528.75*	
		For Class 56 Rating, Add	*4,677.54*	
40 05 19 00-1476	EA	36" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,600.52	1,471.48
		For Class 52 Rating, Deduct	*-1,800.81*	
		For Class 54 Rating, Add	*2,482.40*	
		For Class 55 Rating, Add	*3,704.24*	
		For Class 56 Rating, Add	*4,909.71*	
40 05 19 00-1477	EA	36" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,391.17	1,474.24
		For Class 52 Rating, Deduct	*-1,887.32*	
		For Class 54 Rating, Add	*2,600.43*	
		For Class 55 Rating, Add	*3,879.73*	
		For Class 56 Rating, Add	*5,141.87*	
40 05 19 00-1478	EA	36" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,181.83	1,476.99
		For Class 52 Rating, Deduct	*-1,973.84*	
		For Class 54 Rating, Add	*2,718.45*	
		For Class 55 Rating, Add	*4,055.21*	
		For Class 56 Rating, Add	*5,374.03*	
40 05 19 00-1479	EA	36" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,972.48	1,479.75
		For Class 52 Rating, Deduct	*-2,060.35*	
		For Class 54 Rating, Add	*2,836.47*	
		For Class 55 Rating, Add	*4,230.70*	
		For Class 56 Rating, Add	*5,606.19*	
40 05 19 00-1480	EA	36" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,763.14	1,482.50
		For Class 52 Rating, Deduct	*-2,146.86*	
		For Class 54 Rating, Add	*2,954.49*	
		For Class 55 Rating, Add	*4,406.18*	
		For Class 56 Rating, Add	*5,838.36*	
40 05 19 00-1481	EA	36" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,553.80	1,485.25
		For Class 52 Rating, Deduct	*-2,233.38*	
		For Class 54 Rating, Add	*3,072.52*	
		For Class 55 Rating, Add	*4,581.67*	
		For Class 56 Rating, Add	*6,070.52*	
40 05 19 00-1482	EA	36" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,344.46	1,488.01
		For Class 52 Rating, Deduct	*-2,319.89*	
		For Class 54 Rating, Add	*3,190.54*	
		For Class 55 Rating, Add	*4,757.16*	
		For Class 56 Rating, Add	*6,302.68*	
40 05 19 00-1483	EA	36" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,135.11	1,490.77
		For Class 52 Rating, Deduct	*-2,406.40*	
		For Class 54 Rating, Add	*3,308.56*	
		For Class 55 Rating, Add	*4,932.64*	
		For Class 56 Rating, Add	*6,534.84*	
40 05 19 00-1484	EA	36" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,925.77	1,493.52
		For Class 52 Rating, Deduct	*-2,492.91*	
		For Class 54 Rating, Add	*3,426.58*	
		For Class 55 Rating, Add	*5,108.13*	
		For Class 56 Rating, Add	*6,767.01*	
40 05 19 00-1485	EA	36" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,716.43	1,496.28
		For Class 52 Rating, Deduct	*-2,579.43*	
		For Class 54 Rating, Add	*3,544.60*	
		For Class 55 Rating, Add	*5,283.61*	
		For Class 56 Rating, Add	*6,999.17*	
40 05 19 00-1486	EA	36" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,507.08	1,499.04
		For Class 52 Rating, Deduct	*-2,665.94*	
		For Class 54 Rating, Add	*3,662.63*	
		For Class 55 Rating, Add	*5,459.10*	
		For Class 56 Rating, Add	*7,231.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1487	EA	36" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,297.74	1,501.79
		For Class 52 Rating, Deduct	*-2,752.45*	
		For Class 54 Rating, Add	*3,780.65*	
		For Class 55 Rating, Add	*5,634.58*	
		For Class 56 Rating, Add	*7,463.49*	
40 05 19 00-1488	EA	36" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,088.40	1,504.55
		For Class 52 Rating, Deduct	*-2,838.97*	
		For Class 54 Rating, Add	*3,898.67*	
		For Class 55 Rating, Add	*5,810.07*	
		For Class 56 Rating, Add	*7,695.66*	
40 05 19 00-1489	EA	36" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,879.06	1,507.31
		For Class 52 Rating, Deduct	*-2,925.48*	
		For Class 54 Rating, Add	*4,016.69*	
		For Class 55 Rating, Add	*5,985.55*	
		For Class 56 Rating, Add	*7,927.82*	
40 05 19 00-1490	EA	36" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,669.71	1,510.06
		For Class 52 Rating, Deduct	*-3,011.99*	
		For Class 54 Rating, Add	*4,134.72*	
		For Class 55 Rating, Add	*6,161.04*	
		For Class 56 Rating, Add	*8,159.98*	
40 05 19 00-1491	EA	36" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,460.36	1,512.81
		For Class 52 Rating, Deduct	*-3,098.50*	
		For Class 54 Rating, Add	*4,252.74*	
		For Class 55 Rating, Add	*6,336.52*	
		For Class 56 Rating, Add	*8,392.14*	
40 05 19 00-1492	EA	36" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,251.02	1,515.57
		For Class 52 Rating, Deduct	*-3,185.02*	
		For Class 54 Rating, Add	*4,370.76*	
		For Class 55 Rating, Add	*6,512.01*	
		For Class 56 Rating, Add	*8,624.31*	
40 05 19 00-1493	EA	36" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,041.69	1,518.33
		For Class 52 Rating, Deduct	*-3,271.53*	
		For Class 54 Rating, Add	*4,488.78*	
		For Class 55 Rating, Add	*6,687.50*	
		For Class 56 Rating, Add	*8,856.47*	
40 05 19 00-1494	EA	36" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,832.34	1,521.08
		For Class 52 Rating, Deduct	*-3,358.04*	
		For Class 54 Rating, Add	*4,606.81*	
		For Class 55 Rating, Add	*6,862.98*	
		For Class 56 Rating, Add	*9,088.63*	
40 05 19 00-1495	EA	36" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,622.99	1,523.84
		For Class 52 Rating, Deduct	*-3,444.56*	
		For Class 54 Rating, Add	*4,724.83*	
		For Class 55 Rating, Add	*7,038.47*	
		For Class 56 Rating, Add	*9,320.79*	
40 05 19 00-1496	EA	36" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,413.65	1,526.60
		For Class 52 Rating, Deduct	*-3,531.07*	
		For Class 54 Rating, Add	*4,842.85*	
		For Class 55 Rating, Add	*7,213.95*	
		For Class 56 Rating, Add	*9,552.95*	
40 05 19 00-1497	EA	36" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,204.32	1,529.36
		For Class 52 Rating, Deduct	*-3,617.58*	
		For Class 54 Rating, Add	*4,960.87*	
		For Class 55 Rating, Add	*7,389.44*	
		For Class 56 Rating, Add	*9,785.12*	
40 05 19 00-1498	EA	36" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,994.97	1,532.10
		For Class 52 Rating, Deduct	*-3,704.10*	
		For Class 54 Rating, Add	*5,078.90*	
		For Class 55 Rating, Add	*7,564.93*	
		For Class 56 Rating, Add	*10,017.28*	
40 05 19 00-1499	EA	36" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,785.62	1,534.86
		For Class 52 Rating, Deduct	*-3,790.61*	
		For Class 54 Rating, Add	*5,196.92*	
		For Class 55 Rating, Add	*7,740.41*	
		For Class 56 Rating, Add	*10,249.44*	
40 05 19 00-1500	EA	36" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,576.28	1,537.62
		For Class 52 Rating, Deduct	*-3,877.12*	
		For Class 54 Rating, Add	*5,314.94*	
		For Class 55 Rating, Add	*7,915.90*	
		For Class 56 Rating, Add	*10,481.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1501	EA	36" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,366.94	1,540.37
		For Class 52 Rating, Deduct	*-3,963.63*	
		For Class 54 Rating, Add	*5,432.96*	
		For Class 55 Rating, Add	*8,091.38*	
		For Class 56 Rating, Add	*10,713.77*	

40 05 19 00-1502 42" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1503	EA	42" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,042.23	1,813.18
		For Class 52 Rating, Deduct	*-1,022.45*	
		For Class 54 Rating, Add	*1,427.22*	
		For Class 55 Rating, Add	*2,138.72*	
		For Class 56 Rating, Add	*2,840.93*	
40 05 19 00-1504	EA	42" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,221.44	1,815.93
		For Class 52 Rating, Deduct	*-1,151.70*	
		For Class 54 Rating, Add	*1,603.52*	
		For Class 55 Rating, Add	*2,400.85*	
		For Class 56 Rating, Add	*3,187.71*	
40 05 19 00-1505	EA	42" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,386.63	1,818.69
		For Class 52 Rating, Deduct	*-1,279.41*	
		For Class 54 Rating, Add	*1,777.72*	
		For Class 55 Rating, Add	*2,659.86*	
		For Class 56 Rating, Add	*3,530.36*	
40 05 19 00-1506	EA	42" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,563.50	1,821.44
		For Class 52 Rating, Deduct	*-1,408.41*	
		For Class 54 Rating, Add	*1,953.68*	
		For Class 55 Rating, Add	*2,921.47*	
		For Class 56 Rating, Add	*3,876.45*	
40 05 19 00-1507	EA	42" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,728.67	1,824.20
		For Class 52 Rating, Deduct	*-1,536.12*	
		For Class 54 Rating, Add	*2,127.88*	
		For Class 55 Rating, Add	*3,180.47*	
		For Class 56 Rating, Add	*4,219.10*	
40 05 19 00-1508	EA	42" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,907.89	1,826.95
		For Class 52 Rating, Deduct	*-1,665.38*	
		For Class 54 Rating, Add	*2,304.18*	
		For Class 55 Rating, Add	*3,442.61*	
		For Class 56 Rating, Add	*4,565.89*	
40 05 19 00-1509	EA	42" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,070.72	1,829.71
		For Class 52 Rating, Deduct	*-1,792.83*	
		For Class 54 Rating, Add	*2,478.03*	
		For Class 55 Rating, Add	*3,701.08*	
		For Class 56 Rating, Add	*4,907.84*	
40 05 19 00-1510	EA	42" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,249.93	1,832.47
		For Class 52 Rating, Deduct	*-1,922.08*	
		For Class 54 Rating, Add	*2,654.34*	
		For Class 55 Rating, Add	*3,963.22*	
		For Class 56 Rating, Add	*5,254.63*	
40 05 19 00-1511	EA	42" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,415.10	1,835.23
		For Class 52 Rating, Deduct	*-2,049.79*	
		For Class 54 Rating, Add	*2,828.54*	
		For Class 55 Rating, Add	*4,222.22*	
		For Class 56 Rating, Add	*5,597.27*	
40 05 19 00-1512	EA	42" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,591.98	1,837.97
		For Class 52 Rating, Deduct	*-2,178.79*	
		For Class 54 Rating, Add	*3,004.49*	
		For Class 55 Rating, Add	*4,483.83*	
		For Class 56 Rating, Add	*5,943.37*	
40 05 19 00-1513	EA	42" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,757.15	1,840.73
		For Class 52 Rating, Deduct	*-2,306.50*	
		For Class 54 Rating, Add	*3,178.69*	
		For Class 55 Rating, Add	*4,742.84*	
		For Class 56 Rating, Add	*6,286.01*	
40 05 19 00-1514	EA	42" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,934.03	1,843.48
		For Class 52 Rating, Deduct	*-2,435.50*	
		For Class 54 Rating, Add	*3,354.65*	
		For Class 55 Rating, Add	*5,004.45*	
		For Class 56 Rating, Add	*6,632.11*	

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LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1515	EA	42" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,099.20	1,846.23
		For Class 52 Rating, Deduct	*-2,563.21*	
		For Class 54 Rating, Add	*3,528.85*	
		For Class 55 Rating, Add	*5,263.45*	
		For Class 56 Rating, Add	*6,974.76*	
40 05 19 00-1516	EA	42" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,266.72	1,848.99
		For Class 52 Rating, Deduct	*-2,691.17*	
		For Class 54 Rating, Add	*3,703.40*	
		For Class 55 Rating, Add	*5,522.98*	
		For Class 56 Rating, Add	*7,318.09*	
40 05 19 00-1517	EA	42" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,441.25	1,851.75
		For Class 52 Rating, Deduct	*-2,819.91*	
		For Class 54 Rating, Add	*3,879.00*	
		For Class 55 Rating, Add	*5,784.07*	
		For Class 56 Rating, Add	*7,663.50*	
40 05 19 00-1518	EA	42" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,606.42	1,854.51
		For Class 52 Rating, Deduct	*-2,947.62*	
		For Class 54 Rating, Add	*4,053.20*	
		For Class 55 Rating, Add	*6,043.07*	
		For Class 56 Rating, Add	*8,006.14*	
40 05 19 00-1519	EA	42" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,785.64	1,857.26
		For Class 52 Rating, Deduct	*-3,076.88*	
		For Class 54 Rating, Add	*4,229.51*	
		For Class 55 Rating, Add	*6,305.20*	
		For Class 56 Rating, Add	*8,352.93*	
40 05 19 00-1520	EA	42" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,950.81	1,860.02
		For Class 52 Rating, Deduct	*-3,204.59*	
		For Class 54 Rating, Add	*4,403.71*	
		For Class 55 Rating, Add	*6,564.21*	
		For Class 56 Rating, Add	*8,695.57*	
40 05 19 00-1521	EA	42" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,127.68	1,862.78
		For Class 52 Rating, Deduct	*-3,333.58*	
		For Class 54 Rating, Add	*4,579.66*	
		For Class 55 Rating, Add	*6,825.82*	
		For Class 56 Rating, Add	*9,041.67*	
40 05 19 00-1522	EA	42" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,292.86	1,865.52
		For Class 52 Rating, Deduct	*-3,461.29*	
		For Class 54 Rating, Add	*4,753.86*	
		For Class 55 Rating, Add	*7,084.82*	
		For Class 56 Rating, Add	*9,384.31*	
40 05 19 00-1523	EA	42" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,472.08	1,868.28
		For Class 52 Rating, Deduct	*-3,590.55*	
		For Class 54 Rating, Add	*4,930.17*	
		For Class 55 Rating, Add	*7,346.96*	
		For Class 56 Rating, Add	*9,731.10*	
40 05 19 00-1524	EA	42" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,637.25	1,871.04
		For Class 52 Rating, Deduct	*-3,718.26*	
		For Class 54 Rating, Add	*5,104.37*	
		For Class 55 Rating, Add	*7,605.96*	
		For Class 56 Rating, Add	*10,073.75*	
40 05 19 00-1525	EA	42" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,814.12	1,873.80
		For Class 52 Rating, Deduct	*-3,847.25*	
		For Class 54 Rating, Add	*5,280.32*	
		For Class 55 Rating, Add	*7,867.57*	
		For Class 56 Rating, Add	*10,419.84*	
40 05 19 00-1526	EA	42" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,979.31	1,876.55
		For Class 52 Rating, Deduct	*-3,974.96*	
		For Class 54 Rating, Add	*5,454.53*	
		For Class 55 Rating, Add	*8,126.58*	
		For Class 56 Rating, Add	*10,762.49*	
40 05 19 00-1527	EA	42" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	40,158.52	1,879.31
		For Class 52 Rating, Deduct	*-4,104.22*	
		For Class 54 Rating, Add	*5,630.83*	
		For Class 55 Rating, Add	*8,388.71*	
		For Class 56 Rating, Add	*11,109.28*	
40 05 19 00-1528	EA	42" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	41,323.68	1,882.07
		For Class 52 Rating, Deduct	*-4,231.93*	
		For Class 54 Rating, Add	*5,805.03*	
		For Class 55 Rating, Add	*8,647.71*	
		For Class 56 Rating, Add	*11,451.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1529	EA	42" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	42,498.21	1,884.82
		For Class 52 Rating, Deduct	*-4,360.67*	
		For Class 54 Rating, Add	*5,980.63*	
		For Class 55 Rating, Add	*8,908.80*	
		For Class 56 Rating, Add	*11,797.32*	
40 05 19 00-1530	EA	42" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	43,665.74	1,887.57
		For Class 52 Rating, Deduct	*-4,488.63*	
		For Class 54 Rating, Add	*6,155.19*	
		For Class 55 Rating, Add	*9,168.33*	
		For Class 56 Rating, Add	*12,140.66*	
40 05 19 00-1531	EA	42" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	44,596.84	1,890.33
		For Class 52 Rating, Deduct	*-4,590.60*	
		For Class 54 Rating, Add	*6,294.27*	
		For Class 55 Rating, Add	*9,375.13*	
		For Class 56 Rating, Add	*12,414.26*	
40 05 19 00-1532	EA	42" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	46,007.78	1,893.09
		For Class 52 Rating, Deduct	*-4,745.34*	
		For Class 54 Rating, Add	*6,505.34*	
		For Class 55 Rating, Add	*9,688.94*	
		For Class 56 Rating, Add	*12,829.40*	
40 05 19 00-1533	EA	42" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	47,172.95	1,895.84
		For Class 52 Rating, Deduct	*-4,873.05*	
		For Class 54 Rating, Add	*6,679.54*	
		For Class 55 Rating, Add	*9,947.94*	
		For Class 56 Rating, Add	*13,172.05*	
40 05 19 00-1534	EA	42" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	48,349.83	1,898.60
		For Class 52 Rating, Deduct	*-5,002.05*	
		For Class 54 Rating, Add	*6,855.50*	
		For Class 55 Rating, Add	*10,209.56*	
		For Class 56 Rating, Add	*13,518.14*	
40 05 19 00-1535	EA	42" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	49,515.00	1,901.36
		For Class 52 Rating, Deduct	*-5,129.76*	
		For Class 54 Rating, Add	*7,029.69*	
		For Class 55 Rating, Add	*10,468.56*	
		For Class 56 Rating, Add	*13,860.79*	
40 05 19 00-1536	EA	42" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	50,694.22	1,904.12
		For Class 52 Rating, Deduct	*-5,259.01*	
		For Class 54 Rating, Add	*7,206.00*	
		For Class 55 Rating, Add	*10,730.69*	
		For Class 56 Rating, Add	*14,207.58*	
40 05 19 00-1537	EA	42" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	51,857.05	1,906.86
		For Class 52 Rating, Deduct	*-5,386.46*	
		For Class 54 Rating, Add	*7,379.85*	
		For Class 55 Rating, Add	*10,989.17*	
		For Class 56 Rating, Add	*14,549.53*	
40 05 19 00-1538	EA	42" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	53,036.26	1,909.61
		For Class 52 Rating, Deduct	*-5,515.72*	
		For Class 54 Rating, Add	*7,556.16*	
		For Class 55 Rating, Add	*11,251.31*	
		For Class 56 Rating, Add	*14,896.32*	
40 05 19 00-1539	EA	42" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	54,201.44	1,912.37
		For Class 52 Rating, Deduct	*-5,643.43*	
		For Class 54 Rating, Add	*7,730.36*	
		For Class 55 Rating, Add	*11,510.31*	
		For Class 56 Rating, Add	*15,238.96*	
40 05 19 00-1540	EA	42" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	55,378.31	1,915.12
		For Class 52 Rating, Deduct	*-5,772.43*	
		For Class 54 Rating, Add	*7,906.31*	
		For Class 55 Rating, Add	*11,771.92*	
		For Class 56 Rating, Add	*15,585.06*	
40 05 19 00-1541		48" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*		
40 05 19 00-1542	EA	48" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,540.31	2,278.86
		For Class 52 Rating, Deduct	*-1,329.62*	
		For Class 54 Rating, Add	*1,854.56*	
		For Class 55 Rating, Add	*2,778.38*	
		For Class 56 Rating, Add	*3,690.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1543	EA	48" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,255.54	2,281.62
		For Class 52 Rating, Deduct	*-1,517.84*	
		For Class 54 Rating, Add	*2,111.27*	
		For Class 55 Rating, Add	*3,160.04*	
		For Class 56 Rating, Add	*4,195.02*	
40 05 19 00-1544	EA	48" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,968.45	2,284.38
		For Class 52 Rating, Deduct	*-1,705.80*	
		For Class 54 Rating, Add	*2,367.62*	
		For Class 55 Rating, Add	*3,541.19*	
		For Class 56 Rating, Add	*4,699.25*	
40 05 19 00-1545	EA	48" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,695.40	2,287.14
		For Class 52 Rating, Deduct	*-1,895.30*	
		For Class 54 Rating, Add	*2,626.09*	
		For Class 55 Rating, Add	*3,925.47*	
		For Class 56 Rating, Add	*5,207.61*	
40 05 19 00-1546	EA	48" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,410.64	2,289.88
		For Class 52 Rating, Deduct	*-2,083.52*	
		For Class 54 Rating, Add	*2,882.80*	
		For Class 55 Rating, Add	*4,307.14*	
		For Class 56 Rating, Add	*5,712.53*	
40 05 19 00-1547	EA	48" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,125.87	2,292.64
		For Class 52 Rating, Deduct	*-2,271.74*	
		For Class 54 Rating, Add	*3,139.51*	
		For Class 55 Rating, Add	*4,688.80*	
		For Class 56 Rating, Add	*6,217.44*	
40 05 19 00-1548	EA	48" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,850.48	2,295.40
		For Class 52 Rating, Deduct	*-2,460.99*	
		For Class 54 Rating, Add	*3,397.62*	
		For Class 55 Rating, Add	*5,072.56*	
		For Class 56 Rating, Add	*6,725.12*	
40 05 19 00-1549	EA	48" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,568.07	2,298.15
		For Class 52 Rating, Deduct	*-2,649.46*	
		For Class 54 Rating, Add	*3,654.69*	
		For Class 55 Rating, Add	*5,454.75*	
		For Class 56 Rating, Add	*7,230.73*	
40 05 19 00-1550	EA	48" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,280.96	2,300.91
		For Class 52 Rating, Deduct	*-2,837.42*	
		For Class 54 Rating, Add	*3,911.04*	
		For Class 55 Rating, Add	*5,835.89*	
		For Class 56 Rating, Add	*7,734.95*	
40 05 19 00-1551	EA	48" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,007.90	2,303.67
		For Class 52 Rating, Deduct	*-3,026.93*	
		For Class 54 Rating, Add	*4,169.51*	
		For Class 55 Rating, Add	*6,220.17*	
		For Class 56 Rating, Add	*8,243.32*	
40 05 19 00-1552	EA	48" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,723.15	2,306.43
		For Class 52 Rating, Deduct	*-3,215.14*	
		For Class 54 Rating, Add	*4,426.22*	
		For Class 55 Rating, Add	*6,601.84*	
		For Class 56 Rating, Add	*8,748.23*	
40 05 19 00-1553	EA	48" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,450.10	2,309.18
		For Class 52 Rating, Deduct	*-3,404.65*	
		For Class 54 Rating, Add	*4,684.69*	
		For Class 55 Rating, Add	*6,986.12*	
		For Class 56 Rating, Add	*9,256.60*	
40 05 19 00-1554	EA	48" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,163.00	2,311.93
		For Class 52 Rating, Deduct	*-3,592.61*	
		For Class 54 Rating, Add	*4,941.05*	
		For Class 55 Rating, Add	*7,367.27*	
		For Class 56 Rating, Add	*9,760.83*	
40 05 19 00-1555	EA	48" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,878.23	2,314.69
		For Class 52 Rating, Deduct	*-3,780.82*	
		For Class 54 Rating, Add	*5,197.75*	
		For Class 55 Rating, Add	*7,748.93*	
		For Class 56 Rating, Add	*10,265.74*	
40 05 19 00-1556	EA	48" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,605.19	2,317.45
		For Class 52 Rating, Deduct	*-3,970.33*	
		For Class 54 Rating, Add	*5,456.22*	
		For Class 55 Rating, Add	*8,133.21*	
		For Class 56 Rating, Add	*10,774.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1557	EA	48" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	41,320.43	2,320.20
		For Class 52 Rating, Deduct	*-4,158.55*	
		For Class 54 Rating, Add	*5,712.93*	
		For Class 55 Rating, Add	*8,514.88*	
		For Class 56 Rating, Add	*11,279.02*	
40 05 19 00-1558	EA	48" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	43,033.32	2,322.96
		For Class 52 Rating, Deduct	*-4,346.51*	
		For Class 54 Rating, Add	*5,969.29*	
		For Class 55 Rating, Add	*8,896.02*	
		For Class 56 Rating, Add	*11,783.25*	
40 05 19 00-1559	EA	48" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	44,760.26	2,325.72
		For Class 52 Rating, Deduct	*-4,536.01*	
		For Class 54 Rating, Add	*6,227.75*	
		For Class 55 Rating, Add	*9,280.30*	
		For Class 56 Rating, Add	*12,291.61*	
40 05 19 00-1560	EA	48" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	46,475.51	2,328.47
		For Class 52 Rating, Deduct	*-4,724.23*	
		For Class 54 Rating, Add	*6,484.47*	
		For Class 55 Rating, Add	*9,661.97*	
		For Class 56 Rating, Add	*12,796.53*	
40 05 19 00-1561	EA	48" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	48,188.42	2,331.23
		For Class 52 Rating, Deduct	*-4,912.19*	
		For Class 54 Rating, Add	*6,740.82*	
		For Class 55 Rating, Add	*10,043.12*	
		For Class 56 Rating, Add	*13,300.75*	
40 05 19 00-1562	EA	48" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	49,915.36	2,333.99
		For Class 52 Rating, Deduct	*-5,101.69*	
		For Class 54 Rating, Add	*6,999.29*	
		For Class 55 Rating, Add	*10,427.40*	
		For Class 56 Rating, Add	*13,809.12*	
40 05 19 00-1563	EA	48" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	51,632.93	2,336.74
		For Class 52 Rating, Deduct	*-5,290.17*	
		For Class 54 Rating, Add	*7,256.35*	
		For Class 55 Rating, Add	*10,809.58*	
		For Class 56 Rating, Add	*14,314.72*	
40 05 19 00-1564	EA	48" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	53,345.84	2,339.48
		For Class 52 Rating, Deduct	*-5,478.13*	
		For Class 54 Rating, Add	*7,512.71*	
		For Class 55 Rating, Add	*11,190.73*	
		For Class 56 Rating, Add	*14,818.95*	
40 05 19 00-1565	EA	48" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	55,072.79	2,342.24
		For Class 52 Rating, Deduct	*-5,667.63*	
		For Class 54 Rating, Add	*7,771.18*	
		For Class 55 Rating, Add	*11,575.01*	
		For Class 56 Rating, Add	*15,327.32*	
40 05 19 00-1566	EA	48" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	56,788.03	2,345.00
		For Class 52 Rating, Deduct	*-5,855.85*	
		For Class 54 Rating, Add	*8,027.89*	
		For Class 55 Rating, Add	*11,956.68*	
		For Class 56 Rating, Add	*15,832.23*	
40 05 19 00-1567	EA	48" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	58,500.93	2,347.75
		For Class 52 Rating, Deduct	*-6,043.81*	
		For Class 54 Rating, Add	*8,284.24*	
		For Class 55 Rating, Add	*12,337.82*	
		For Class 56 Rating, Add	*16,336.46*	
40 05 19 00-1568	EA	48" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	60,227.87	2,350.51
		For Class 52 Rating, Deduct	*-6,233.31*	
		For Class 54 Rating, Add	*8,542.71*	
		For Class 55 Rating, Add	*12,722.10*	
		For Class 56 Rating, Add	*16,844.82*	
40 05 19 00-1569	EA	48" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	61,943.12	2,353.27
		For Class 52 Rating, Deduct	*-6,421.53*	
		For Class 54 Rating, Add	*8,799.42*	
		For Class 55 Rating, Add	*13,103.77*	
		For Class 56 Rating, Add	*17,349.74*	
40 05 19 00-1570	EA	48" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	63,447.69	2,356.03
		For Class 52 Rating, Deduct	*-6,586.58*	
		For Class 54 Rating, Add	*9,024.53*	
		For Class 55 Rating, Add	*13,438.46*	
		For Class 56 Rating, Add	*17,792.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1571	EA	48" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	65,385.30	2,358.77
		For Class 52 Rating, Deduct	*-6,799.25*	
		For Class 54 Rating, Add	*9,314.60*	
		For Class 55 Rating, Add	*13,869.71*	
		For Class 56 Rating, Add	*18,363.02*	
40 05 19 00-1572	EA	48" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	67,098.20	2,361.53
		For Class 52 Rating, Deduct	*-6,987.21*	
		For Class 54 Rating, Add	*9,570.95*	
		For Class 55 Rating, Add	*14,250.86*	
		For Class 56 Rating, Add	*18,867.25*	
40 05 19 00-1573	EA	48" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	68,827.49	2,364.29
		For Class 52 Rating, Deduct	*-7,176.98*	
		For Class 54 Rating, Add	*9,829.77*	
		For Class 55 Rating, Add	*14,635.66*	
		For Class 56 Rating, Add	*19,376.30*	
40 05 19 00-1574	EA	48" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	70,540.39	2,367.04
		For Class 52 Rating, Deduct	*-7,364.93*	
		For Class 54 Rating, Add	*10,086.13*	
		For Class 55 Rating, Add	*15,016.81*	
		For Class 56 Rating, Add	*19,880.53*	
40 05 19 00-1575	EA	48" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	72,253.29	2,369.80
		For Class 52 Rating, Deduct	*-7,552.89*	
		For Class 54 Rating, Add	*10,342.49*	
		For Class 55 Rating, Add	*15,397.95*	
		For Class 56 Rating, Add	*20,384.75*	
40 05 19 00-1576	EA	48" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	73,982.57	2,372.56
		For Class 52 Rating, Deduct	*-7,742.66*	
		For Class 54 Rating, Add	*10,601.31*	
		For Class 55 Rating, Add	*15,782.75*	
		For Class 56 Rating, Add	*20,893.81*	
40 05 19 00-1577	EA	48" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	75,695.48	2,375.32
		For Class 52 Rating, Deduct	*-7,930.62*	
		For Class 54 Rating, Add	*10,857.67*	
		For Class 55 Rating, Add	*16,163.90*	
		For Class 56 Rating, Add	*21,398.04*	
40 05 19 00-1578	EA	48" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	77,410.72	2,378.06
		For Class 52 Rating, Deduct	*-8,118.83*	
		For Class 54 Rating, Add	*11,114.37*	
		For Class 55 Rating, Add	*16,545.57*	
		For Class 56 Rating, Add	*21,902.95*	
40 05 19 00-1579	EA	48" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	79,137.66	2,380.82
		For Class 52 Rating, Deduct	*-8,308.34*	
		For Class 54 Rating, Add	*11,372.84*	
		For Class 55 Rating, Add	*16,929.84*	
		For Class 56 Rating, Add	*22,411.32*	

40 05 19 00-1580 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbows *(40 05 19 00-0001)*

40 05 19 00-1581	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	406.29	132.95
40 05 19 00-1582	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	574.61	170.01
40 05 19 00-1583	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	813.65	192.57
40 05 19 00-1584	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,198.33	244.14
40 05 19 00-1585	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,489.84	270.73
40 05 19 00-1586	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,866.18	294.09
40 05 19 00-1587	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	2,298.93	362.58
40 05 19 00-1588	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	3,024.89	435.10
40 05 19 00-1589	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	3,723.66	547.90
40 05 19 00-1590	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	5,710.22	620.41
40 05 19 00-1591	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	9,650.63	821.84
40 05 19 00-1592	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	13,730.29	930.61
40 05 19 00-1593	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	23,101.27	1,063.55
40 05 19 00-1594	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	30,782.81	1,305.28

40 05 19 00-1595 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbows *(40 05 19 00-0001)*

40 05 19 00-1596	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	383.86	132.95
40 05 19 00-1597	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	538.72	170.01
40 05 19 00-1598	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	722.43	192.57
40 05 19 00-1599	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,066.74	244.14
40 05 19 00-1600	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,322.36	270.73
40 05 19 00-1601	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,525.24	294.09
40 05 19 00-1602	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,922.10	362.58
40 05 19 00-1603	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	2,517.96	435.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1604	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	3,261.60	547.90
40 05 19 00-1605	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	4,316.54	620.41
40 05 19 00-1606	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	8,630.79	821.84
40 05 19 00-1607	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	12,985.60	930.61
40 05 19 00-1608	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	19,899.70	1,063.55
40 05 19 00-1609	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	27,161.05	1,305.28
40 05 19 00-1610		**Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbows** *(40 05 19 00-0001)*		
40 05 19 00-1611	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	382.37	132.95
40 05 19 00-1612	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	526.75	170.01
40 05 19 00-1613	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	711.97	192.57
40 05 19 00-1614	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,036.83	244.14
40 05 19 00-1615	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,388.16	270.73
40 05 19 00-1616	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,733.09	294.09
40 05 19 00-1617	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,968.46	362.58
40 05 19 00-1618	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	2,574.79	435.10
40 05 19 00-1619	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	3,508.33	547.90
40 05 19 00-1620	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	4,878.80	620.41
40 05 19 00-1621	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	8,730.98	821.84
40 05 19 00-1622	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	13,215.89	930.61
40 05 19 00-1623	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	20,358.78	1,063.55
40 05 19 00-1624	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	27,759.19	1,305.28
40 05 19 00-1625		**Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbows** *(40 05 19 00-0001)*		
40 05 19 00-1626	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	419.75	132.95
40 05 19 00-1627	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	597.04	170.01
40 05 19 00-1628	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	741.87	192.57
40 05 19 00-1629	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,143.00	244.14
40 05 19 00-1630	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,584.05	270.73
40 05 19 00-1631	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,783.94	294.09
40 05 19 00-1632	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	2,180.80	362.58
40 05 19 00-1633	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	2,574.79	435.10
40 05 19 00-1634	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	3,508.33	547.90
40 05 19 00-1635	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	5,080.67	620.41
40 05 19 00-1636	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	8,831.17	821.84
40 05 19 00-1637	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	13,314.58	930.61
40 05 19 00-1638	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	20,463.45	1,063.55
40 05 19 00-1639	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	27,970.04	1,305.28
40 05 19 00-1640		**Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbows** *(40 05 19 00-0001)*		
40 05 19 00-1641	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	545.03	151.47
40 05 19 00-1642	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	677.26	162.76
40 05 19 00-1643	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	763.66	181.29
40 05 19 00-1644	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,030.36	188.54
40 05 19 00-1645	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,086.85	207.07
40 05 19 00-1646	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,189.18	218.35
40 05 19 00-1647	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,107.93	202.24
40 05 19 00-1648	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,249.66	220.77
40 05 19 00-1649	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,440.21	232.05
40 05 19 00-1650	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,533.11	257.83
40 05 19 00-1651	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,440.21	232.05
40 05 19 00-1652	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,597.87	243.33
40 05 19 00-1653	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,780.49	269.11
40 05 19 00-1654	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,973.21	282.81
40 05 19 00-1655	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,661.08	266.29
40 05 19 00-1656	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,793.31	277.57
40 05 19 00-1657	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,061.16	303.36
40 05 19 00-1658	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,251.78	316.65
40 05 19 00-1659	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,413.04	328.34
40 05 19 00-1660	EA	18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,944.79	302.55
40 05 19 00-1661	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,334.23	313.83
40 05 19 00-1662	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,401.71	339.62
40 05 19 00-1663	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,537.00	352.91
40 05 19 00-1664	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,755.08	364.59
40 05 19 00-1665	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,004.34	398.84
40 05 19 00-1666	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,514.75	358.95
40 05 19 00-1667	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,685.87	370.23
40 05 19 00-1668	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,339.52	396.01
40 05 19 00-1669	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,465.84	409.31
40 05 19 00-1670	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,827.47	420.99
40 05 19 00-1671	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,737.29	455.23
40 05 19 00-1672	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,977.66	491.49
40 05 19 00-1673	EA	24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,553.63	395.21
40 05 19 00-1674	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,726.25	406.49

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1675	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,010.55	432.27
40 05 19 00-1676	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,216.11	445.57
40 05 19 00-1677	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,603.18	457.25
40 05 19 00-1678	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,961.61	491.49
40 05 19 00-1679	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,077.84	527.75
40 05 19 00-1680	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,345.64	521.92
40 05 19 00-1681	EA	30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,366.51	546.28
40 05 19 00-1682	EA	30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,780.48	557.97
40 05 19 00-1683	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,648.83	592.21
40 05 19 00-1684	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	8,900.06	628.47
40 05 19 00-1685	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	10,296.95	684.86
40 05 19 00-1686	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	10,875.26	721.12
40 05 19 00-1687	EA	36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	8,792.14	600.67
40 05 19 00-1688	EA	36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	11,411.78	612.35
40 05 19 00-1689	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,258.00	646.59
40 05 19 00-1690	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	12,112.26	682.85
40 05 19 00-1691	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	11,574.14	739.26
40 05 19 00-1692	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	12,623.50	775.51
40 05 19 00-1693	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	13,460.97	876.22
40 05 19 00-1694	EA	42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	15,609.78	678.82
40 05 19 00-1695	EA	42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	13,144.97	713.07
40 05 19 00-1696	EA	42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	17,735.34	749.32
40 05 19 00-1697	EA	42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	17,442.47	805.73
40 05 19 00-1698	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	15,205.01	841.99
40 05 19 00-1699	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	17,923.66	942.70
40 05 19 00-1700	EA	42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	25,357.24	997.09
40 05 19 00-1701	EA	48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	24,266.40	972.91
40 05 19 00-1702	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	26,388.38	1,073.63
40 05 19 00-1703	EA	48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	27,158.64	1,128.01
40 05 19 00-1704	EA	48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	34,764.57	1,194.49
40 05 19 00-1705		**Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbows** *(40 05 19 00-0001)*		
40 05 19 00-1706	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	488.54	132.95
40 05 19 00-1707	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	758.54	170.01
40 05 19 00-1708	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	1,121.69	192.57
40 05 19 00-1709	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	1,599.09	244.14
40 05 19 00-1710	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	2,268.92	270.73
40 05 19 00-1711	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	2,648.26	294.09
40 05 19 00-1712	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	3,438.40	362.58
40 05 19 00-1713	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	4,261.55	435.10
40 05 19 00-1714	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	5,817.17	547.90
40 05 19 00-1715	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	8,572.34	620.41
40 05 19 00-1716	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	15,128.13	821.84
40 05 19 00-1717	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	23,074.80	930.61
40 05 19 00-1718	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	35,834.26	1,063.55
40 05 19 00-1719		**Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbows With Base** *(40 05 19 00-0001)*		
40 05 19 00-1720	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	516.95	132.95
40 05 19 00-1721	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	703.21	170.01
40 05 19 00-1722	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,160.57	192.57
40 05 19 00-1723	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,570.67	244.14
40 05 19 00-1724	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	2,117.89	270.73
40 05 19 00-1725	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	2,504.70	294.09
40 05 19 00-1726	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	3,094.46	362.58
40 05 19 00-1727	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	3,890.70	435.10
40 05 19 00-1728	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	5,138.27	547.90
40 05 19 00-1729	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	7,280.35	620.41
40 05 19 00-1730	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	11,962.46	821.84
40 05 19 00-1731	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	17,139.71	930.61
40 05 19 00-1732	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	31,928.38	1,063.55
40 05 19 00-1733	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	34,406.07	1,305.28
40 05 19 00-1734		**Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tees** *(40 05 19 00-0001)*		
40 05 19 00-1735	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	697.35	213.52
40 05 19 00-1736	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	864.53	262.66
40 05 19 00-1737	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	1,223.45	293.28
40 05 19 00-1738	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	1,761.77	381.10
40 05 19 00-1739	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	2,352.58	415.76
40 05 19 00-1740	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	3,164.32	447.18
40 05 19 00-1741	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	3,577.61	564.01
40 05 19 00-1742	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	4,368.12	644.58
40 05 19 00-1743	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	5,509.74	813.79
40 05 19 00-1744	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	8,153.12	898.38
40 05 19 00-1745	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	13,913.19	1,240.82
40 05 19 00-1746	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	20,102.02	1,422.11

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1747	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	41,742.12	1,643.68
40 05 19 00-1748		**Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tees** *(40 05 19 00-0001)*		
40 05 19 00-1749	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	877.26	238.50
40 05 19 00-1750	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,092.43	243.33
40 05 19 00-1751	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,087.98	273.94
40 05 19 00-1752	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,447.03	269.11
40 05 19 00-1753	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,424.62	299.73
40 05 19 00-1754	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,501.78	319.07
40 05 19 00-1755	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,841.62	282.81
40 05 19 00-1756	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,832.68	313.43
40 05 19 00-1757	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,935.25	332.76
40 05 19 00-1758	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,305.90	394.81
40 05 19 00-1759	EA	14" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,699.10	294.09
40 05 19 00-1760	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,636.33	324.71
40 05 19 00-1761	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,752.36	344.04
40 05 19 00-1762	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,901.69	406.08
40 05 19 00-1763	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,077.60	427.44
40 05 19 00-1764	EA	16" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,277.35	328.34
40 05 19 00-1765	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,012.71	358.95
40 05 19 00-1766	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,961.25	378.29
40 05 19 00-1767	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,475.45	440.33
40 05 19 00-1768	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,368.74	461.69
40 05 19 00-1769	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,760.51	481.42
40 05 19 00-1770	EA	18" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,012.67	364.59
40 05 19 00-1771	EA	18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,009.32	395.21
40 05 19 00-1772	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,632.28	414.55
40 05 19 00-1773	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,638.05	476.58
40 05 19 00-1774	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,962.00	497.94
40 05 19 00-1775	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,328.36	517.68
40 05 19 00-1776	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,625.47	600.27
40 05 19 00-1777	EA	20" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	8,916.18	420.99
40 05 19 00-1778	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,440.59	451.61
40 05 19 00-1779	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,531.21	470.94
40 05 19 00-1780	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,717.93	532.99
40 05 19 00-1781	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,902.80	554.34
40 05 19 00-1782	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,964.11	574.08
40 05 19 00-1783	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	5,981.98	656.67
40 05 19 00-1784	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,110.44	700.98
40 05 19 00-1785	EA	24" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	5,895.17	457.25
40 05 19 00-1786	EA	24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	5,080.22	487.86
40 05 19 00-1787	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	5,311.39	507.20
40 05 19 00-1788	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	5,517.55	569.25
40 05 19 00-1789	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,189.92	590.60
40 05 19 00-1790	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,342.44	610.33
40 05 19 00-1791	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,548.32	692.93
40 05 19 00-1792	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	8,626.73	737.24
40 05 19 00-1793	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	8,920.16	787.81
40 05 19 00-1794	EA	30" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	10,489.02	588.58
40 05 19 00-1795	EA	30" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	10,549.71	607.92
40 05 19 00-1796	EA	30" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	10,842.60	669.97
40 05 19 00-1797	EA	30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	10,874.95	691.32
40 05 19 00-1798	EA	30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	10,904.86	711.05
40 05 19 00-1799	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	11,128.69	793.64
40 05 19 00-1800	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	11,261.63	837.95
40 05 19 00-1801	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	11,595.53	950.75
40 05 19 00-1802	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	14,868.85	999.10
40 05 19 00-1803	EA	36" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	14,465.42	842.39
40 05 19 00-1804	EA	36" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	15,480.04	857.70
40 05 19 00-1805	EA	36" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	15,579.47	901.61
40 05 19 00-1806	EA	36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	15,704.41	918.93
40 05 19 00-1807	EA	36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	15,761.11	934.64
40 05 19 00-1808	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	15,915.41	993.06
40 05 19 00-1809	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	16,009.35	1,033.35
40 05 19 00-1810	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	16,269.13	1,117.95
40 05 19 00-1811	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	16,630.80	1,160.25
40 05 19 00-1812	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	21,800.98	1,331.47
40 05 19 00-1813	EA	42" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	25,964.57	728.78
40 05 19 00-1814	EA	42" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	23,462.64	790.82
40 05 19 00-1815	EA	42" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	23,494.98	812.17
40 05 19 00-1816	EA	42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	23,559.28	831.91
40 05 19 00-1817	EA	42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	23,754.69	914.49
40 05 19 00-1818	EA	42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	23,998.29	958.82
40 05 19 00-1819	EA	42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	24,169.20	1,071.62
40 05 19 00-1820	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	24,523.58	1,119.96
40 05 19 00-1821	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	31,079.12	1,361.67
40 05 19 00-1822	EA	42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	39,959.44	1,488.58
40 05 19 00-1823	EA	48" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	31,783.26	943.10
40 05 19 00-1824	EA	48" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	31,813.16	962.85
40 05 19 00-1825	EA	48" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	32,042.97	1,045.43

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1826	EA	48" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	32,110.11	1,089.74
40 05 19 00-1827	EA	48" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	32,420.09	1,202.54
40 05 19 00-1828	EA	48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	32,740.08	1,250.89
40 05 19 00-1829	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	33,599.79	1,492.61
40 05 19 00-1830		**Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tees With Base** *(40 05 19 00-0001)*		
40 05 19 00-1831	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	754.17	213.52
40 05 19 00-1832	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	1,027.53	262.66
40 05 19 00-1833	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	1,504.58	293.28
40 05 19 00-1834	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	2,292.62	381.10
40 05 19 00-1835	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	3,088.30	415.76
40 05 19 00-1836	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	3,451.43	447.18
40 05 19 00-1837	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	4,283.42	564.01
40 05 19 00-1838	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	5,207.01	644.58
40 05 19 00-1839	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	6,957.25	813.79
40 05 19 00-1840	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	10,040.26	898.38
40 05 19 00-1841	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	16,851.57	1,240.82
40 05 19 00-1842	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	24,048.28	1,422.11
40 05 19 00-1843		**Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wyes** *(40 05 19 00-0001)*		
40 05 19 00-1844	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye	610.62	213.52
40 05 19 00-1845	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye	857.06	262.66
40 05 19 00-1846	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye	1,245.88	293.28
40 05 19 00-1847	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye	1,637.65	381.10
40 05 19 00-1848	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye	2,345.11	415.76
40 05 19 00-1849	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye	3,050.68	447.18
40 05 19 00-1850		**Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Crosses** *(40 05 19 00-0001)*		
40 05 19 00-1851	EA	4" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	838.87	294.09
40 05 19 00-1852	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,112.37	318.67
40 05 19 00-1853	EA	6" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,176.89	355.33
40 05 19 00-1854	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,377.51	323.90
40 05 19 00-1855	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,500.53	366.61
40 05 19 00-1856	EA	8" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,552.51	394.00
40 05 19 00-1857	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,787.43	349.69
40 05 19 00-1858	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,967.26	392.39
40 05 19 00-1859	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,152.33	419.79
40 05 19 00-1860	EA	10" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,672.11	518.08
40 05 19 00-1861	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,321.97	362.98
40 05 19 00-1862	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,443.50	405.68
40 05 19 00-1863	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,630.06	433.08
40 05 19 00-1864	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,178.26	531.38
40 05 19 00-1865	EA	12" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,988.04	560.78
40 05 19 00-1866	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,918.78	417.36
40 05 19 00-1867	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,103.84	444.76
40 05 19 00-1868	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,453.16	543.06
40 05 19 00-1869	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,756.42	572.47
40 05 19 00-1870	EA	14" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,940.59	600.27
40 05 19 00-1871	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,486.55	451.61
40 05 19 00-1872	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,698.54	479.01
40 05 19 00-1873	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,047.85	577.30
40 05 19 00-1874	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,379.52	606.71
40 05 19 00-1875	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	6,124.86	634.51
40 05 19 00-1876	EA	16" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,962.46	765.44
40 05 19 00-1877	EA	18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,628.23	487.86
40 05 19 00-1878	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,838.71	515.27
40 05 19 00-1879	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,131.21	613.56
40 05 19 00-1880	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,461.37	642.97
40 05 19 00-1881	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	5,131.54	670.77
40 05 19 00-1882	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	5,588.62	801.69
40 05 19 00-1883	EA	18" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	5,839.93	854.07
40 05 19 00-1884	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,735.01	544.27
40 05 19 00-1885	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,960.45	571.66
40 05 19 00-1886	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	5,232.01	669.97
40 05 19 00-1887	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	5,584.61	699.37
40 05 19 00-1888	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	5,688.04	727.16
40 05 19 00-1889	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	6,933.17	858.10
40 05 19 00-1890	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	7,196.45	910.47
40 05 19 00-1891	EA	20" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	7,884.98	1,079.67
40 05 19 00-1892	EA	24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	6,267.36	580.53
40 05 19 00-1893	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	6,430.00	607.92
40 05 19 00-1894	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	6,794.27	706.22
40 05 19 00-1895	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	7,024.25	735.63
40 05 19 00-1896	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	7,159.09	763.42
40 05 19 00-1897	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	7,572.80	894.36
40 05 19 00-1898	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	9,838.35	946.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1899	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	10,398.19	1,053.70
40 05 19 00-1900	EA	24" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	11,446.87	1,176.36
40 05 19 00-1901	EA	30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	11,589.65	836.35
40 05 19 00-1902	EA	30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	11,664.67	864.14
40 05 19 00-1903	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	12,093.33	995.08
40 05 19 00-1904	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	12,238.49	1,047.44
40 05 19 00-1905	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	12,858.23	1,216.65
40 05 19 00-1906	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	16,742.01	1,277.07
40 05 19 00-1907	EA	30" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	19,001.18	1,659.79
40 05 19 00-1908	EA	36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	16,383.23	1,063.96
40 05 19 00-1909	EA	36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	16,419.25	1,087.73
40 05 19 00-1910	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	16,781.37	1,194.49
40 05 19 00-1911	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	16,918.92	1,242.83
40 05 19 00-1912	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	17,430.14	1,383.83
40 05 19 00-1913	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	18,040.40	1,438.22
40 05 19 00-1914	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	24,414.16	1,750.44
40 05 19 00-1915	EA	36" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	26,771.32	1,913.60
40 05 19 00-1916	EA	42" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	24,242.59	957.20
40 05 19 00-1917	EA	42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	24,284.70	985.00
40 05 19 00-1918	EA	42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	24,693.93	1,115.93
40 05 19 00-1919	EA	42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	24,807.68	1,168.30
40 05 19 00-1920	EA	42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	25,381.05	1,337.51
40 05 19 00-1921	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	26,000.47	1,397.93
40 05 19 00-1922	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	33,472.47	1,780.66
40 05 19 00-1923	EA	42" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	46,296.76	1,980.07
40 05 19 00-1924	EA	48" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	34,250.08	2,223.81
40 05 19 00-1925	EA	48" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	32,535.60	1,115.93
40 05 19 00-1926	EA	48" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	32,946.32	1,246.86
40 05 19 00-1927	EA	48" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	33,060.07	1,299.24
40 05 19 00-1928	EA	48" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	33,597.55	1,468.43
40 05 19 00-1929	EA	48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	34,216.97	1,528.87
40 05 19 00-1930	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	35,746.42	1,911.58

40 05 19 00-1931 Flanged End x Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducers *(40 05 19 00-0001)*

40 05 19 00-1932	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	447.83	151.47
40 05 19 00-1933	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	574.08	162.76
40 05 19 00-1934	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	632.07	181.29
40 05 19 00-1935	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	774.65	188.54
40 05 19 00-1936	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	780.30	207.07
40 05 19 00-1937	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	914.03	218.35
40 05 19 00-1938	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	992.79	202.24
40 05 19 00-1939	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,025.36	220.77
40 05 19 00-1940	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,124.69	232.05
40 05 19 00-1941	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,265.44	257.83
40 05 19 00-1942	EA	14" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,560.70	220.77
40 05 19 00-1943	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,238.34	232.05
40 05 19 00-1944	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,370.57	243.33
40 05 19 00-1945	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,506.84	269.11
40 05 19 00-1946	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,463.29	282.81
40 05 19 00-1947	EA	16" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,848.33	247.76
40 05 19 00-1948	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,492.10	266.29
40 05 19 00-1949	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,407.51	277.57
40 05 19 00-1950	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,569.19	303.36
40 05 19 00-1951	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,949.72	316.65
40 05 19 00-1952	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,099.01	328.34
40 05 19 00-1953	EA	18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,339.56	302.55
40 05 19 00-1954	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,848.24	313.83
40 05 19 00-1955	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,030.87	339.62
40 05 19 00-1956	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,016.61	352.91
40 05 19 00-1957	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,324.41	364.59
40 05 19 00-1958	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,317.97	398.84
40 05 19 00-1959	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,390.64	358.95
40 05 19 00-1960	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,316.51	370.23
40 05 19 00-1961	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,509.59	396.01
40 05 19 00-1962	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,444.51	409.31
40 05 19 00-1963	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,825.58	420.99
40 05 19 00-1964	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,647.18	455.23
40 05 19 00-1965	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,270.35	491.49
40 05 19 00-1966	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,140.07	406.49
40 05 19 00-1967	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,548.48	432.27
40 05 19 00-1968	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,818.35	445.57
40 05 19 00-1969	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,919.80	457.25
40 05 19 00-1970	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,461.76	491.49
40 05 19 00-1971	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,185.12	527.75
40 05 19 00-1972	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,423.00	521.92
40 05 19 00-1973	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	6,041.32	592.21
40 05 19 00-1974	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	6,295.14	628.47
40 05 19 00-1975	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	6,776.87	684.86
40 05 19 00-1976	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	7,491.26	721.12

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1977	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	8,268.07	646.59
40 05 19 00-1978	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	8,684.89	682.85
40 05 19 00-1979	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	9,232.41	739.26
40 05 19 00-1980	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	10,046.99	775.51
40 05 19 00-1981	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	11,584.29	876.22
40 05 19 00-1982	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	14,079.00	841.99
40 05 19 00-1983	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	15,918.38	942.70
40 05 19 00-1984	EA	42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	18,006.05	997.09
40 05 19 00-1985	EA	48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	17,899.15	972.91
40 05 19 00-1986	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	20,091.42	1,073.63
40 05 19 00-1987	EA	48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	22,460.22	1,128.01
40 05 19 00-1988	EA	48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	25,164.36	1,194.49
40 05 19 00-1989		Flanged End x Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducers *(40 05 19 00-0001)*		
40 05 19 00-1990	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	488.21	151.47
40 05 19 00-1991	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	620.44	162.76
40 05 19 00-1992	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	705.34	181.29
40 05 19 00-1993	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	774.65	188.54
40 05 19 00-1994	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	829.65	207.07
40 05 19 00-1995	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	960.39	218.35
40 05 19 00-1996	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	992.79	202.24
40 05 19 00-1997	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,079.19	220.77
40 05 19 00-1998	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,181.51	232.05
40 05 19 00-1999	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,364.13	257.83
40 05 19 00-2000	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,238.34	232.05
40 05 19 00-2001	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,342.16	243.33
40 05 19 00-2002	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,496.37	269.11
40 05 19 00-2003	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,716.00	282.81
40 05 19 00-2004	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,492.10	266.29
40 05 19 00-2005	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,621.34	277.57
40 05 19 00-2006	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,803.96	303.36
40 05 19 00-2007	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,996.08	316.65
40 05 19 00-2008	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,099.01	328.34
40 05 19 00-2009	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,848.24	313.83
40 05 19 00-2010	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,030.87	339.62
40 05 19 00-2011	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,222.97	352.91
40 05 19 00-2012	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,324.41	364.59
40 05 19 00-2013	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,548.26	398.84
40 05 19 00-2014	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,710.65	358.95
40 05 19 00-2015	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,470.53	370.23
40 05 19 00-2016	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,509.59	396.01
40 05 19 00-2017	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,745.08	409.31
40 05 19 00-2018	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,825.58	420.99
40 05 19 00-2019	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,089.80	455.23
40 05 19 00-2020	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,268.86	491.49
40 05 19 00-2021	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,448.11	406.49
40 05 19 00-2022	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,548.48	432.27
40 05 19 00-2023	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,629.93	445.57
40 05 19 00-2024	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,708.95	457.25
40 05 19 00-2025	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,977.66	491.49
40 05 19 00-2026	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,185.12	527.75
40 05 19 00-2027	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,423.00	521.92
40 05 19 00-2028	EA	30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,244.05	557.97
40 05 19 00-2029	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,064.14	592.21
40 05 19 00-2030	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	6,328.04	628.47
40 05 19 00-2031	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	6,776.87	684.86
40 05 19 00-2032	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,491.26	721.12
40 05 19 00-2033	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	8,333.87	646.59
40 05 19 00-2034	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	8,684.89	682.85
40 05 19 00-2035	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	9,199.51	739.26
40 05 19 00-2036	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	10,011.10	775.51
40 05 19 00-2037	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	11,551.40	876.22
40 05 19 00-2038	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	14,079.00	841.99
40 05 19 00-2039	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	11,880.91	942.70
40 05 19 00-2040	EA	42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	18,006.05	997.09
40 05 19 00-2041	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	20,091.42	1,073.63
40 05 19 00-2042	EA	48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	22,460.22	1,128.01
40 05 19 00-2043	EA	48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	25,164.36	1,194.49
40 05 19 00-2044		Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flanges *(40 05 19 00-0001)*		
40 05 19 00-2045	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	173.56	52.37
40 05 19 00-2046	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	260.75	77.34
40 05 19 00-2047	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	379.92	91.85
40 05 19 00-2048	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	524.25	107.16
40 05 19 00-2049	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	677.94	125.70
40 05 19 00-2050	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	898.51	141.00
40 05 19 00-2051	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	1,074.08	161.14

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2052	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	1,454.37	225.60
40 05 19 00-2053	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	1,933.11	282.01
40 05 19 00-2054	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	2,758.89	342.43
40 05 19 00-2055	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	3,897.07	398.84
40 05 19 00-2056	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	6,984.73	439.12
40 05 19 00-2057	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	9,860.16	483.44
40 05 19 00-2058	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	13,039.64	543.87

40 05 19 00-2059 Flanged End (FxF), Ductile Iron Flexible Ball Joint *(40 05 19 00-0001)*

Note: All internal surfaces (wetted parts) shall be lined with a minimum of 15 mils of fusion bonded epoxy conforming to the applicable requirements of ANSI/AWWA C213. Sealing gaskets shall be constructed of EPDM. The coating shall meet ANSI/NSF-61. Exterior surfaces shall be coated with a minimum of 6 mils of fusion bonded epoxy conforming to the applicable requirements of ANSI/AWWA C116/A21.16.

40 05 19 00-2060	EA	3" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	1,169.70	100.46
40 05 19 00-2061	EA	4" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	1,357.78	117.87
40 05 19 00-2062	EA	6" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	2,162.52	147.34
40 05 19 00-2063	EA	8" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	2,870.90	168.41
40 05 19 00-2064	EA	10" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	3,962.31	253.48
40 05 19 00-2065	EA	12" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	5,188.49	276.54
40 05 19 00-2066	EA	14" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	6,011.39	304.19
40 05 19 00-2067	EA	16" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	6,681.89	337.94
40 05 19 00-2068	EA	18" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	9,572.85	380.23
40 05 19 00-2069	EA	20" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	9,775.05	434.50
40 05 19 00-2070	EA	24" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	17,112.78	506.98
40 05 19 00-2071	EA	30" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	60,054.60	608.37
40 05 19 00-2072	EA	36" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	85,279.93	760.46

40 05 19 00-2073 Flanged End, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Piping *(40 05 19)*

Note: 350 PSI rating for 2" - 24" sizes, 250 PSI rating for 30" - 48" sizes. Pipe barrels conform to ANSI/AWWA C151/A21.51. The bolt holes are aligned per ANSI/AWWA C115/A21.15. Flanged fittings conform to ANSI/AWWA C110/A21.10. Interiors shall be ceramic epoxy. Exterior shall be bituminous coating, in accordance with ANSI/AWWA C104/A21.04. See CSI section 40 05 19 00-4103 for bolts, 40 05 19 00-4118 for gaskets.

40 05 19 00-2074 Flanged End (FxF), Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2073)*

40 05 19 00-2075 4" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

40 05 19 00-2076	EA	4" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,112.53	230.44
		For Class 52 Rating, Deduct	*-83.97*	
		For Class 54 Rating, Add	*118.70*	
		For Class 55 Rating, Add	*178.61*	
		For Class 56 Rating, Add	*237.77*	
40 05 19 00-2077	EA	4" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,227.28	234.47
		For Class 52 Rating, Deduct	*-95.92*	
		For Class 54 Rating, Add	*135.07*	
		For Class 55 Rating, Add	*202.99*	
		For Class 56 Rating, Add	*270.04*	
40 05 19 00-2078	EA	4" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,342.04	238.50
		For Class 52 Rating, Deduct	*-107.87*	
		For Class 54 Rating, Add	*151.44*	
		For Class 55 Rating, Add	*227.36*	
		For Class 56 Rating, Add	*302.31*	
40 05 19 00-2079	EA	4" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,456.78	242.52
		For Class 52 Rating, Deduct	*-119.83*	
		For Class 54 Rating, Add	*167.81*	
		For Class 55 Rating, Add	*251.74*	
		For Class 56 Rating, Add	*334.58*	
40 05 19 00-2080	EA	4" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,571.53	246.55
		For Class 52 Rating, Deduct	*-131.78*	
		For Class 54 Rating, Add	*184.18*	
		For Class 55 Rating, Add	*276.11*	
		For Class 56 Rating, Add	*366.85*	
40 05 19 00-2081	EA	4" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,686.29	250.58
		For Class 52 Rating, Deduct	*-143.73*	
		For Class 54 Rating, Add	*200.55*	
		For Class 55 Rating, Add	*300.49*	
		For Class 56 Rating, Add	*399.12*	
40 05 19 00-2082	EA	4" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,801.04	254.61
		For Class 52 Rating, Deduct	*-155.68*	
		For Class 54 Rating, Add	*216.92*	
		For Class 55 Rating, Add	*324.86*	
		For Class 56 Rating, Add	*431.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2083	EA	4" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,915.78	258.63
		For Class 52 Rating, Deduct	*-167.63*	
		For Class 54 Rating, Add	*233.29*	
		For Class 55 Rating, Add	*349.24*	
		For Class 56 Rating, Add	*463.66*	
40 05 19 00-2084	EA	4" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,030.54	262.66
		For Class 52 Rating, Deduct	*-179.58*	
		For Class 54 Rating, Add	*249.66*	
		For Class 55 Rating, Add	*373.61*	
		For Class 56 Rating, Add	*495.93*	
40 05 19 00-2085	EA	4" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,145.29	266.70
		For Class 52 Rating, Deduct	*-191.53*	
		For Class 54 Rating, Add	*266.03*	
		For Class 55 Rating, Add	*397.99*	
		For Class 56 Rating, Add	*528.20*	
40 05 19 00-2086	EA	4" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,260.04	270.73
		For Class 52 Rating, Deduct	*-203.48*	
		For Class 54 Rating, Add	*282.40*	
		For Class 55 Rating, Add	*422.36*	
		For Class 56 Rating, Add	*560.47*	
40 05 19 00-2087	EA	4" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,374.79	274.76
		For Class 52 Rating, Deduct	*-215.44*	
		For Class 54 Rating, Add	*298.77*	
		For Class 55 Rating, Add	*446.74*	
		For Class 56 Rating, Add	*592.74*	
40 05 19 00-2088	EA	4" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,489.53	278.78
		For Class 52 Rating, Deduct	*-227.39*	
		For Class 54 Rating, Add	*315.14*	
		For Class 55 Rating, Add	*471.11*	
		For Class 56 Rating, Add	*625.01*	
40 05 19 00-2089	EA	4" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,604.29	282.81
		For Class 52 Rating, Deduct	*-239.34*	
		For Class 54 Rating, Add	*331.51*	
		For Class 55 Rating, Add	*495.49*	
		For Class 56 Rating, Add	*657.28*	
40 05 19 00-2090	EA	4" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,719.05	286.84
		For Class 52 Rating, Deduct	*-251.29*	
		For Class 54 Rating, Add	*347.88*	
		For Class 55 Rating, Add	*519.86*	
		For Class 56 Rating, Add	*689.56*	
40 05 19 00-2091	EA	4" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,833.78	290.87
		For Class 52 Rating, Deduct	*-263.24*	
		For Class 54 Rating, Add	*364.25*	
		For Class 55 Rating, Add	*544.23*	
		For Class 56 Rating, Add	*721.82*	
40 05 19 00-2092	EA	4" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,948.54	294.89
		For Class 52 Rating, Deduct	*-275.19*	
		For Class 54 Rating, Add	*380.62*	
		For Class 55 Rating, Add	*568.61*	
		For Class 56 Rating, Add	*754.10*	
40 05 19 00-2093	EA	4" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,063.30	298.92
		For Class 52 Rating, Deduct	*-287.14*	
		For Class 54 Rating, Add	*396.99*	
		For Class 55 Rating, Add	*592.98*	
		For Class 56 Rating, Add	*786.37*	
40 05 19 00-2094	EA	4" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,178.04	302.96
		For Class 52 Rating, Deduct	*-299.09*	
		For Class 54 Rating, Add	*413.36*	
		For Class 55 Rating, Add	*617.36*	
		For Class 56 Rating, Add	*818.64*	
40 05 19 00-2095	EA	4" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,292.79	306.99
		For Class 52 Rating, Deduct	*-311.04*	
		For Class 54 Rating, Add	*429.73*	
		For Class 55 Rating, Add	*641.73*	
		For Class 56 Rating, Add	*850.91*	
40 05 19 00-2096	EA	4" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,407.55	311.01
		For Class 52 Rating, Deduct	*-323.00*	
		For Class 54 Rating, Add	*446.10*	
		For Class 55 Rating, Add	*666.11*	
		For Class 56 Rating, Add	*883.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2097	EA	4" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,522.29	315.04
		For Class 52 Rating, Deduct	*-334.95*	
		For Class 54 Rating, Add	*462.47*	
		For Class 55 Rating, Add	*690.48*	
		For Class 56 Rating, Add	*915.45*	
40 05 19 00-2098	EA	4" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,637.05	319.07
		For Class 52 Rating, Deduct	*-346.90*	
		For Class 54 Rating, Add	*478.84*	
		For Class 55 Rating, Add	*714.86*	
		For Class 56 Rating, Add	*947.72*	
40 05 19 00-2099	EA	4" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,751.80	323.10
		For Class 52 Rating, Deduct	*-358.85*	
		For Class 54 Rating, Add	*495.21*	
		For Class 55 Rating, Add	*739.23*	
		For Class 56 Rating, Add	*979.99*	
40 05 19 00-2100	EA	4" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,866.54	327.12
		For Class 52 Rating, Deduct	*-370.80*	
		For Class 54 Rating, Add	*511.58*	
		For Class 55 Rating, Add	*763.61*	
		For Class 56 Rating, Add	*1,012.26*	
40 05 19 00-2101	EA	4" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,981.30	331.15
		For Class 52 Rating, Deduct	*-382.75*	
		For Class 54 Rating, Add	*527.95*	
		For Class 55 Rating, Add	*787.98*	
		For Class 56 Rating, Add	*1,044.53*	
40 05 19 00-2102	EA	4" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,096.06	335.18
		For Class 52 Rating, Deduct	*-394.70*	
		For Class 54 Rating, Add	*544.32*	
		For Class 55 Rating, Add	*812.36*	
		For Class 56 Rating, Add	*1,076.80*	
40 05 19 00-2103	EA	4" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,210.79	339.21
		For Class 52 Rating, Deduct	*-406.65*	
		For Class 54 Rating, Add	*560.69*	
		For Class 55 Rating, Add	*836.73*	
		For Class 56 Rating, Add	*1,109.07*	
40 05 19 00-2104	EA	4" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,325.55	343.24
		For Class 52 Rating, Deduct	*-418.60*	
		For Class 54 Rating, Add	*577.06*	
		For Class 55 Rating, Add	*861.11*	
		For Class 56 Rating, Add	*1,141.34*	
40 05 19 00-2105	EA	4" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,440.30	347.27
		For Class 52 Rating, Deduct	*-430.56*	
		For Class 54 Rating, Add	*593.43*	
		For Class 55 Rating, Add	*885.48*	
		For Class 56 Rating, Add	*1,173.61*	
40 05 19 00-2106	EA	4" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,555.05	351.30
		For Class 52 Rating, Deduct	*-442.51*	
		For Class 54 Rating, Add	*609.80*	
		For Class 55 Rating, Add	*909.85*	
		For Class 56 Rating, Add	*1,205.88*	
40 05 19 00-2107	EA	4" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,669.80	355.33
		For Class 52 Rating, Deduct	*-454.46*	
		For Class 54 Rating, Add	*626.17*	
		For Class 55 Rating, Add	*934.23*	
		For Class 56 Rating, Add	*1,238.15*	
40 05 19 00-2108	EA	4" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,784.55	359.35
		For Class 52 Rating, Deduct	*-466.41*	
		For Class 54 Rating, Add	*642.55*	
		For Class 55 Rating, Add	*958.61*	
		For Class 56 Rating, Add	*1,270.42*	
40 05 19 00-2109	EA	4" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,899.30	363.38
		For Class 52 Rating, Deduct	*-478.36*	
		For Class 54 Rating, Add	*658.91*	
		For Class 55 Rating, Add	*982.98*	
		For Class 56 Rating, Add	*1,302.69*	
40 05 19 00-2110	EA	4" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,014.06	367.41
		For Class 52 Rating, Deduct	*-490.31*	
		For Class 54 Rating, Add	*675.29*	
		For Class 55 Rating, Add	*1,007.35*	
		For Class 56 Rating, Add	*1,334.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2111	EA	4" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,128.79	371.44
		For Class 52 Rating, Deduct	*-502.26*	
		For Class 54 Rating, Add	*691.65*	
		For Class 55 Rating, Add	*1,031.73*	
		For Class 56 Rating, Add	*1,367.23*	
40 05 19 00-2112	EA	4" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,243.55	375.46
		For Class 52 Rating, Deduct	*-514.21*	
		For Class 54 Rating, Add	*708.03*	
		For Class 55 Rating, Add	*1,056.10*	
		For Class 56 Rating, Add	*1,399.50*	
40 05 19 00-2113	EA	4" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,358.31	379.50
		For Class 52 Rating, Deduct	*-526.16*	
		For Class 54 Rating, Add	*724.40*	
		For Class 55 Rating, Add	*1,080.48*	
		For Class 56 Rating, Add	*1,431.78*	
40 05 19 00-2114	EA	4" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,473.05	383.53
		For Class 52 Rating, Deduct	*-538.11*	
		For Class 54 Rating, Add	*740.77*	
		For Class 55 Rating, Add	*1,104.85*	
		For Class 56 Rating, Add	*1,464.04*	

40 05 19 00-2115 6" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

40 05 19 00-2116	EA	6" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,391.58	290.06
		For Class 52 Rating, Deduct	*-104.73*	
		For Class 54 Rating, Add	*148.09*	
		For Class 55 Rating, Add	*222.86*	
		For Class 56 Rating, Add	*296.69*	
40 05 19 00-2117	EA	6" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,523.48	294.09
		For Class 52 Rating, Deduct	*-118.57*	
		For Class 54 Rating, Add	*167.03*	
		For Class 55 Rating, Add	*251.06*	
		For Class 56 Rating, Add	*334.02*	
40 05 19 00-2118	EA	6" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,655.39	298.12
		For Class 52 Rating, Deduct	*-132.41*	
		For Class 54 Rating, Add	*185.97*	
		For Class 55 Rating, Add	*279.26*	
		For Class 56 Rating, Add	*371.35*	
40 05 19 00-2119	EA	6" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,787.29	302.15
		For Class 52 Rating, Deduct	*-146.24*	
		For Class 54 Rating, Add	*204.92*	
		For Class 55 Rating, Add	*307.46*	
		For Class 56 Rating, Add	*408.68*	
40 05 19 00-2120	EA	6" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,919.19	306.17
		For Class 52 Rating, Deduct	*-160.08*	
		For Class 54 Rating, Add	*223.86*	
		For Class 55 Rating, Add	*335.66*	
		For Class 56 Rating, Add	*446.01*	
40 05 19 00-2121	EA	6" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,051.10	310.20
		For Class 52 Rating, Deduct	*-173.92*	
		For Class 54 Rating, Add	*242.80*	
		For Class 55 Rating, Add	*363.86*	
		For Class 56 Rating, Add	*483.34*	
40 05 19 00-2122	EA	6" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,183.01	314.23
		For Class 52 Rating, Deduct	*-187.76*	
		For Class 54 Rating, Add	*261.75*	
		For Class 55 Rating, Add	*392.06*	
		For Class 56 Rating, Add	*520.67*	
40 05 19 00-2123	EA	6" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,314.91	318.27
		For Class 52 Rating, Deduct	*-201.60*	
		For Class 54 Rating, Add	*280.69*	
		For Class 55 Rating, Add	*420.27*	
		For Class 56 Rating, Add	*558.01*	
40 05 19 00-2124	EA	6" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,446.82	322.29
		For Class 52 Rating, Deduct	*-215.44*	
		For Class 54 Rating, Add	*299.63*	
		For Class 55 Rating, Add	*448.47*	
		For Class 56 Rating, Add	*595.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2125	EA	6" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,578.72	326.32
		For Class 52 Rating, Deduct	*-229.27*	
		For Class 54 Rating, Add	*318.58*	
		For Class 55 Rating, Add	*476.66*	
		For Class 56 Rating, Add	*632.67*	
40 05 19 00-2126	EA	6" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,710.63	330.35
		For Class 52 Rating, Deduct	*-243.11*	
		For Class 54 Rating, Add	*337.52*	
		For Class 55 Rating, Add	*504.87*	
		For Class 56 Rating, Add	*670.00*	
40 05 19 00-2127	EA	6" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,842.53	334.38
		For Class 52 Rating, Deduct	*-256.95*	
		For Class 54 Rating, Add	*356.46*	
		For Class 55 Rating, Add	*533.06*	
		For Class 56 Rating, Add	*707.33*	
40 05 19 00-2128	EA	6" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,974.43	338.40
		For Class 52 Rating, Deduct	*-270.79*	
		For Class 54 Rating, Add	*375.41*	
		For Class 55 Rating, Add	*561.26*	
		For Class 56 Rating, Add	*744.66*	
40 05 19 00-2129	EA	6" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,106.34	342.43
		For Class 52 Rating, Deduct	*-284.63*	
		For Class 54 Rating, Add	*394.35*	
		For Class 55 Rating, Add	*589.46*	
		For Class 56 Rating, Add	*781.99*	
40 05 19 00-2130	EA	6" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,238.25	346.46
		For Class 52 Rating, Deduct	*-298.46*	
		For Class 54 Rating, Add	*413.29*	
		For Class 55 Rating, Add	*617.66*	
		For Class 56 Rating, Add	*819.32*	
40 05 19 00-2131	EA	6" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,370.15	350.49
		For Class 52 Rating, Deduct	*-312.30*	
		For Class 54 Rating, Add	*432.24*	
		For Class 55 Rating, Add	*645.87*	
		For Class 56 Rating, Add	*856.65*	
40 05 19 00-2132	EA	6" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,502.06	354.51
		For Class 52 Rating, Deduct	*-326.14*	
		For Class 54 Rating, Add	*451.18*	
		For Class 55 Rating, Add	*674.07*	
		For Class 56 Rating, Add	*893.99*	
40 05 19 00-2133	EA	6" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,633.97	358.55
		For Class 52 Rating, Deduct	*-339.98*	
		For Class 54 Rating, Add	*470.13*	
		For Class 55 Rating, Add	*702.27*	
		For Class 56 Rating, Add	*931.32*	
40 05 19 00-2134	EA	6" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,765.87	362.58
		For Class 52 Rating, Deduct	*-353.82*	
		For Class 54 Rating, Add	*489.07*	
		For Class 55 Rating, Add	*730.47*	
		For Class 56 Rating, Add	*968.65*	
40 05 19 00-2135	EA	6" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,897.77	366.61
		For Class 52 Rating, Deduct	*-367.65*	
		For Class 54 Rating, Add	*508.01*	
		For Class 55 Rating, Add	*758.67*	
		For Class 56 Rating, Add	*1,005.98*	
40 05 19 00-2136	EA	6" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,029.68	370.63
		For Class 52 Rating, Deduct	*-381.49*	
		For Class 54 Rating, Add	*526.96*	
		For Class 55 Rating, Add	*786.87*	
		For Class 56 Rating, Add	*1,043.31*	
40 05 19 00-2137	EA	6" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,161.58	374.66
		For Class 52 Rating, Deduct	*-395.33*	
		For Class 54 Rating, Add	*545.90*	
		For Class 55 Rating, Add	*815.07*	
		For Class 56 Rating, Add	*1,080.64*	
40 05 19 00-2138	EA	6" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,293.50	378.69
		For Class 52 Rating, Deduct	*-409.17*	
		For Class 54 Rating, Add	*564.84*	
		For Class 55 Rating, Add	*843.27*	
		For Class 56 Rating, Add	*1,117.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2139	EA	6" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,425.40	382.72
		For Class 52 Rating, Deduct	*-423.01*	
		For Class 54 Rating, Add	*583.79*	
		For Class 55 Rating, Add	*871.47*	
		For Class 56 Rating, Add	*1,155.30*	
40 05 19 00-2140	EA	6" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,557.30	386.75
		For Class 52 Rating, Deduct	*-436.85*	
		For Class 54 Rating, Add	*602.73*	
		For Class 55 Rating, Add	*899.67*	
		For Class 56 Rating, Add	*1,192.63*	
40 05 19 00-2141	EA	6" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,689.21	390.77
		For Class 52 Rating, Deduct	*-450.68*	
		For Class 54 Rating, Add	*621.67*	
		For Class 55 Rating, Add	*927.87*	
		For Class 56 Rating, Add	*1,229.97*	
40 05 19 00-2142	EA	6" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,821.12	394.81
		For Class 52 Rating, Deduct	*-464.52*	
		For Class 54 Rating, Add	*640.62*	
		For Class 55 Rating, Add	*956.07*	
		For Class 56 Rating, Add	*1,267.30*	
40 05 19 00-2143	EA	6" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,953.01	398.84
		For Class 52 Rating, Deduct	*-478.36*	
		For Class 54 Rating, Add	*659.56*	
		For Class 55 Rating, Add	*984.27*	
		For Class 56 Rating, Add	*1,304.63*	
40 05 19 00-2144	EA	6" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,084.92	402.87
		For Class 52 Rating, Deduct	*-492.20*	
		For Class 54 Rating, Add	*678.50*	
		For Class 55 Rating, Add	*1,012.47*	
		For Class 56 Rating, Add	*1,341.96*	
40 05 19 00-2145	EA	6" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,216.82	406.89
		For Class 52 Rating, Deduct	*-506.04*	
		For Class 54 Rating, Add	*697.45*	
		For Class 55 Rating, Add	*1,040.67*	
		For Class 56 Rating, Add	*1,379.29*	
40 05 19 00-2146	EA	6" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,348.74	410.92
		For Class 52 Rating, Deduct	*-519.87*	
		For Class 54 Rating, Add	*716.39*	
		For Class 55 Rating, Add	*1,068.87*	
		For Class 56 Rating, Add	*1,416.62*	
40 05 19 00-2147	EA	6" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,480.64	414.95
		For Class 52 Rating, Deduct	*-533.71*	
		For Class 54 Rating, Add	*735.33*	
		For Class 55 Rating, Add	*1,097.07*	
		For Class 56 Rating, Add	*1,453.95*	
40 05 19 00-2148	EA	6" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,612.54	418.98
		For Class 52 Rating, Deduct	*-547.55*	
		For Class 54 Rating, Add	*754.28*	
		For Class 55 Rating, Add	*1,125.27*	
		For Class 56 Rating, Add	*1,491.28*	
40 05 19 00-2149	EA	6" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,744.45	423.00
		For Class 52 Rating, Deduct	*-561.39*	
		For Class 54 Rating, Add	*773.22*	
		For Class 55 Rating, Add	*1,153.47*	
		For Class 56 Rating, Add	*1,528.61*	
40 05 19 00-2150	EA	6" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,876.36	427.03
		For Class 52 Rating, Deduct	*-575.23*	
		For Class 54 Rating, Add	*792.16*	
		For Class 55 Rating, Add	*1,181.67*	
		For Class 56 Rating, Add	*1,565.95*	
40 05 19 00-2151	EA	6" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,008.25	431.07
		For Class 52 Rating, Deduct	*-589.06*	
		For Class 54 Rating, Add	*811.11*	
		For Class 55 Rating, Add	*1,209.87*	
		For Class 56 Rating, Add	*1,603.28*	
40 05 19 00-2152	EA	6" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,140.16	435.10
		For Class 52 Rating, Deduct	*-602.90*	
		For Class 54 Rating, Add	*830.05*	
		For Class 55 Rating, Add	*1,238.07*	
		For Class 56 Rating, Add	*1,640.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2153	EA	6" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,272.07	439.12
		For Class 52 Rating, Deduct	*-616.74*	
		For Class 54 Rating, Add	*848.99*	
		For Class 55 Rating, Add	*1,266.27*	
		For Class 56 Rating, Add	*1,677.94*	
40 05 19 00-2154	EA	6" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,403.98	443.15
		For Class 52 Rating, Deduct	*-630.58*	
		For Class 54 Rating, Add	*867.94*	
		For Class 55 Rating, Add	*1,294.47*	
		For Class 56 Rating, Add	*1,715.27*	

40 05 19 00-2155 8" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

40 05 19 00-2156	EA	8" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,936.81	370.63
		For Class 52 Rating, Deduct	*-151.28*	
		For Class 54 Rating, Add	*213.02*	
		For Class 55 Rating, Add	*320.16*	
		For Class 56 Rating, Add	*425.91*	
40 05 19 00-2157	EA	8" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,105.88	374.66
		For Class 52 Rating, Deduct	*-169.20*	
		For Class 54 Rating, Add	*237.54*	
		For Class 55 Rating, Add	*356.64*	
		For Class 56 Rating, Add	*474.21*	
40 05 19 00-2158	EA	8" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,274.96	378.69
		For Class 52 Rating, Deduct	*-187.13*	
		For Class 54 Rating, Add	*262.06*	
		For Class 55 Rating, Add	*393.13*	
		For Class 56 Rating, Add	*522.50*	
40 05 19 00-2159	EA	8" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,444.03	382.72
		For Class 52 Rating, Deduct	*-205.06*	
		For Class 54 Rating, Add	*286.58*	
		For Class 55 Rating, Add	*429.62*	
		For Class 56 Rating, Add	*570.80*	
40 05 19 00-2160	EA	8" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,613.10	386.75
		For Class 52 Rating, Deduct	*-222.98*	
		For Class 54 Rating, Add	*311.10*	
		For Class 55 Rating, Add	*466.11*	
		For Class 56 Rating, Add	*619.10*	
40 05 19 00-2161	EA	8" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,782.18	390.77
		For Class 52 Rating, Deduct	*-240.91*	
		For Class 54 Rating, Add	*335.62*	
		For Class 55 Rating, Add	*502.60*	
		For Class 56 Rating, Add	*667.39*	
40 05 19 00-2162	EA	8" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,951.26	394.81
		For Class 52 Rating, Deduct	*-258.84*	
		For Class 54 Rating, Add	*360.14*	
		For Class 55 Rating, Add	*539.09*	
		For Class 56 Rating, Add	*715.69*	
40 05 19 00-2163	EA	8" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,120.32	398.84
		For Class 52 Rating, Deduct	*-276.76*	
		For Class 54 Rating, Add	*384.66*	
		For Class 55 Rating, Add	*575.58*	
		For Class 56 Rating, Add	*763.98*	
40 05 19 00-2164	EA	8" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,289.40	402.87
		For Class 52 Rating, Deduct	*-294.69*	
		For Class 54 Rating, Add	*409.17*	
		For Class 55 Rating, Add	*612.07*	
		For Class 56 Rating, Add	*812.28*	
40 05 19 00-2165	EA	8" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,458.47	406.89
		For Class 52 Rating, Deduct	*-312.62*	
		For Class 54 Rating, Add	*433.69*	
		For Class 55 Rating, Add	*648.56*	
		For Class 56 Rating, Add	*860.58*	
40 05 19 00-2166	EA	8" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,627.55	410.92
		For Class 52 Rating, Deduct	*-330.54*	
		For Class 54 Rating, Add	*458.21*	
		For Class 55 Rating, Add	*685.04*	
		For Class 56 Rating, Add	*908.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2167	EA	8" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,796.61	414.95
		For Class 52 Rating, Deduct	*-348.47*	
		For Class 54 Rating, Add	*482.73*	
		For Class 55 Rating, Add	*721.53*	
		For Class 56 Rating, Add	*957.16*	
40 05 19 00-2168	EA	8" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,965.68	418.98
		For Class 52 Rating, Deduct	*-366.40*	
		For Class 54 Rating, Add	*507.25*	
		For Class 55 Rating, Add	*758.02*	
		For Class 56 Rating, Add	*1,005.46*	
40 05 19 00-2169	EA	8" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,134.76	423.00
		For Class 52 Rating, Deduct	*-384.32*	
		For Class 54 Rating, Add	*531.77*	
		For Class 55 Rating, Add	*794.51*	
		For Class 56 Rating, Add	*1,053.76*	
40 05 19 00-2170	EA	8" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,303.84	427.03
		For Class 52 Rating, Deduct	*-402.25*	
		For Class 54 Rating, Add	*556.29*	
		For Class 55 Rating, Add	*831.00*	
		For Class 56 Rating, Add	*1,102.05*	
40 05 19 00-2171	EA	8" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,472.90	431.07
		For Class 52 Rating, Deduct	*-420.18*	
		For Class 54 Rating, Add	*580.80*	
		For Class 55 Rating, Add	*867.49*	
		For Class 56 Rating, Add	*1,150.35*	
40 05 19 00-2172	EA	8" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,641.98	435.10
		For Class 52 Rating, Deduct	*-438.10*	
		For Class 54 Rating, Add	*605.32*	
		For Class 55 Rating, Add	*903.97*	
		For Class 56 Rating, Add	*1,198.64*	
40 05 19 00-2173	EA	8" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,811.06	439.12
		For Class 52 Rating, Deduct	*-456.03*	
		For Class 54 Rating, Add	*629.84*	
		For Class 55 Rating, Add	*940.46*	
		For Class 56 Rating, Add	*1,246.94*	
40 05 19 00-2174	EA	8" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,980.13	443.15
		For Class 52 Rating, Deduct	*-473.96*	
		For Class 54 Rating, Add	*654.36*	
		For Class 55 Rating, Add	*976.95*	
		For Class 56 Rating, Add	*1,295.24*	
40 05 19 00-2175	EA	8" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,149.20	447.18
		For Class 52 Rating, Deduct	*-491.88*	
		For Class 54 Rating, Add	*678.88*	
		For Class 55 Rating, Add	*1,013.44*	
		For Class 56 Rating, Add	*1,343.53*	
40 05 19 00-2176	EA	8" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,318.28	451.21
		For Class 52 Rating, Deduct	*-509.81*	
		For Class 54 Rating, Add	*703.40*	
		For Class 55 Rating, Add	*1,049.93*	
		For Class 56 Rating, Add	*1,391.83*	
40 05 19 00-2177	EA	8" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,487.35	455.23
		For Class 52 Rating, Deduct	*-527.74*	
		For Class 54 Rating, Add	*727.92*	
		For Class 55 Rating, Add	*1,086.42*	
		For Class 56 Rating, Add	*1,440.12*	
40 05 19 00-2178	EA	8" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,656.43	459.26
		For Class 52 Rating, Deduct	*-545.66*	
		For Class 54 Rating, Add	*752.44*	
		For Class 55 Rating, Add	*1,122.91*	
		For Class 56 Rating, Add	*1,488.42*	
40 05 19 00-2179	EA	8" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,825.50	463.29
		For Class 52 Rating, Deduct	*-563.59*	
		For Class 54 Rating, Add	*776.95*	
		For Class 55 Rating, Add	*1,159.40*	
		For Class 56 Rating, Add	*1,536.71*	
40 05 19 00-2180	EA	8" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,994.57	467.32
		For Class 52 Rating, Deduct	*-581.52*	
		For Class 54 Rating, Add	*801.47*	
		For Class 55 Rating, Add	*1,195.89*	
		For Class 56 Rating, Add	*1,585.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2181	EA	8" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,163.65	471.35
		For Class 52 Rating, Deduct	*-599.44*	
		For Class 54 Rating, Add	*825.99*	
		For Class 55 Rating, Add	*1,232.37*	
		For Class 56 Rating, Add	*1,633.31*	
40 05 19 00-2182	EA	8" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,332.72	475.38
		For Class 52 Rating, Deduct	*-617.37*	
		For Class 54 Rating, Add	*850.51*	
		For Class 55 Rating, Add	*1,268.86*	
		For Class 56 Rating, Add	*1,681.60*	
40 05 19 00-2183	EA	8" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,501.79	479.41
		For Class 52 Rating, Deduct	*-635.30*	
		For Class 54 Rating, Add	*875.03*	
		For Class 55 Rating, Add	*1,305.35*	
		For Class 56 Rating, Add	*1,729.90*	
40 05 19 00-2184	EA	8" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,670.87	483.44
		For Class 52 Rating, Deduct	*-653.22*	
		For Class 54 Rating, Add	*899.55*	
		For Class 55 Rating, Add	*1,341.84*	
		For Class 56 Rating, Add	*1,778.19*	
40 05 19 00-2185	EA	8" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,839.94	487.46
		For Class 52 Rating, Deduct	*-671.15*	
		For Class 54 Rating, Add	*924.07*	
		For Class 55 Rating, Add	*1,378.33*	
		For Class 56 Rating, Add	*1,826.49*	
40 05 19 00-2186	EA	8" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,009.02	491.49
		For Class 52 Rating, Deduct	*-689.08*	
		For Class 54 Rating, Add	*948.59*	
		For Class 55 Rating, Add	*1,414.82*	
		For Class 56 Rating, Add	*1,874.79*	
40 05 19 00-2187	EA	8" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,178.09	495.52
		For Class 52 Rating, Deduct	*-707.00*	
		For Class 54 Rating, Add	*973.10*	
		For Class 55 Rating, Add	*1,451.31*	
		For Class 56 Rating, Add	*1,923.08*	
40 05 19 00-2188	EA	8" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,347.16	499.55
		For Class 52 Rating, Deduct	*-724.93*	
		For Class 54 Rating, Add	*997.62*	
		For Class 55 Rating, Add	*1,487.80*	
		For Class 56 Rating, Add	*1,971.38*	
40 05 19 00-2189	EA	8" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,516.24	503.57
		For Class 52 Rating, Deduct	*-742.86*	
		For Class 54 Rating, Add	*1,022.14*	
		For Class 55 Rating, Add	*1,524.28*	
		For Class 56 Rating, Add	*2,019.67*	
40 05 19 00-2190	EA	8" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,685.32	507.61
		For Class 52 Rating, Deduct	*-760.78*	
		For Class 54 Rating, Add	*1,046.66*	
		For Class 55 Rating, Add	*1,560.77*	
		For Class 56 Rating, Add	*2,067.97*	
40 05 19 00-2191	EA	8" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,854.38	511.64
		For Class 52 Rating, Deduct	*-778.71*	
		For Class 54 Rating, Add	*1,071.18*	
		For Class 55 Rating, Add	*1,597.26*	
		For Class 56 Rating, Add	*2,116.27*	
40 05 19 00-2192	EA	8" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,023.46	515.67
		For Class 52 Rating, Deduct	*-796.64*	
		For Class 54 Rating, Add	*1,095.70*	
		For Class 55 Rating, Add	*1,633.75*	
		For Class 56 Rating, Add	*2,164.56*	
40 05 19 00-2193	EA	8" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,192.54	519.69
		For Class 52 Rating, Deduct	*-814.56*	
		For Class 54 Rating, Add	*1,120.22*	
		For Class 55 Rating, Add	*1,670.24*	
		For Class 56 Rating, Add	*2,212.86*	
40 05 19 00-2194	EA	8" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,361.61	523.72
		For Class 52 Rating, Deduct	*-832.49*	
		For Class 54 Rating, Add	*1,144.74*	
		For Class 55 Rating, Add	*1,706.73*	
		For Class 56 Rating, Add	*2,261.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2195		10" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*		
40 05 19 00-2196	EA	10" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,444.87	451.21
		For Class 52 Rating, Deduct	*-193.73*	
		For Class 54 Rating, Add	*272.39*	
		For Class 55 Rating, Add	*409.16*	
		For Class 56 Rating, Add	*544.17*	
40 05 19 00-2197	EA	10" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,662.54	455.23
		For Class 52 Rating, Deduct	*-217.01*	
		For Class 54 Rating, Add	*304.20*	
		For Class 55 Rating, Add	*456.49*	
		For Class 56 Rating, Add	*606.80*	
40 05 19 00-2198	EA	10" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,880.23	459.26
		For Class 52 Rating, Deduct	*-240.28*	
		For Class 54 Rating, Add	*336.01*	
		For Class 55 Rating, Add	*503.82*	
		For Class 56 Rating, Add	*669.44*	
40 05 19 00-2199	EA	10" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,097.90	463.29
		For Class 52 Rating, Deduct	*-263.55*	
		For Class 54 Rating, Add	*367.81*	
		For Class 55 Rating, Add	*551.14*	
		For Class 56 Rating, Add	*732.07*	
40 05 19 00-2200	EA	10" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,315.58	467.32
		For Class 52 Rating, Deduct	*-286.83*	
		For Class 54 Rating, Add	*399.62*	
		For Class 55 Rating, Add	*598.47*	
		For Class 56 Rating, Add	*794.71*	
40 05 19 00-2201	EA	10" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,533.26	471.35
		For Class 52 Rating, Deduct	*-310.10*	
		For Class 54 Rating, Add	*431.43*	
		For Class 55 Rating, Add	*645.80*	
		For Class 56 Rating, Add	*857.34*	
40 05 19 00-2202	EA	10" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,750.94	475.38
		For Class 52 Rating, Deduct	*-333.37*	
		For Class 54 Rating, Add	*463.24*	
		For Class 55 Rating, Add	*693.13*	
		For Class 56 Rating, Add	*919.98*	
40 05 19 00-2203	EA	10" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,968.61	479.41
		For Class 52 Rating, Deduct	*-356.65*	
		For Class 54 Rating, Add	*495.05*	
		For Class 55 Rating, Add	*740.45*	
		For Class 56 Rating, Add	*982.61*	
40 05 19 00-2204	EA	10" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,186.30	483.44
		For Class 52 Rating, Deduct	*-379.92*	
		For Class 54 Rating, Add	*526.86*	
		For Class 55 Rating, Add	*787.78*	
		For Class 56 Rating, Add	*1,045.25*	
40 05 19 00-2205	EA	10" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,403.97	487.46
		For Class 52 Rating, Deduct	*-403.19*	
		For Class 54 Rating, Add	*558.67*	
		For Class 55 Rating, Add	*835.11*	
		For Class 56 Rating, Add	*1,107.88*	
40 05 19 00-2206	EA	10" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,621.66	491.49
		For Class 52 Rating, Deduct	*-426.47*	
		For Class 54 Rating, Add	*590.48*	
		For Class 55 Rating, Add	*882.44*	
		For Class 56 Rating, Add	*1,170.51*	
40 05 19 00-2207	EA	10" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,839.33	495.52
		For Class 52 Rating, Deduct	*-449.74*	
		For Class 54 Rating, Add	*622.29*	
		For Class 55 Rating, Add	*929.76*	
		For Class 56 Rating, Add	*1,233.15*	
40 05 19 00-2208	EA	10" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,057.01	499.55
		For Class 52 Rating, Deduct	*-473.01*	
		For Class 54 Rating, Add	*654.10*	
		For Class 55 Rating, Add	*977.09*	
		For Class 56 Rating, Add	*1,295.78*	
40 05 19 00-2209	EA	10" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,274.69	503.57
		For Class 52 Rating, Deduct	*-496.29*	
		For Class 54 Rating, Add	*685.91*	
		For Class 55 Rating, Add	*1,024.42*	
		For Class 56 Rating, Add	*1,358.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2210	EA	10" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,492.38	507.61
		For Class 52 Rating, Deduct	*-519.56*	
		For Class 54 Rating, Add	*717.72*	
		For Class 55 Rating, Add	*1,071.75*	
		For Class 56 Rating, Add	*1,421.05*	
40 05 19 00-2211	EA	10" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,710.04	511.64
		For Class 52 Rating, Deduct	*-542.83*	
		For Class 54 Rating, Add	*749.53*	
		For Class 55 Rating, Add	*1,119.07*	
		For Class 56 Rating, Add	*1,483.69*	
40 05 19 00-2212	EA	10" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,927.73	515.67
		For Class 52 Rating, Deduct	*-566.11*	
		For Class 54 Rating, Add	*781.34*	
		For Class 55 Rating, Add	*1,166.40*	
		For Class 56 Rating, Add	*1,546.32*	
40 05 19 00-2213	EA	10" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,145.41	519.69
		For Class 52 Rating, Deduct	*-589.38*	
		For Class 54 Rating, Add	*813.15*	
		For Class 55 Rating, Add	*1,213.73*	
		For Class 56 Rating, Add	*1,608.95*	
40 05 19 00-2214	EA	10" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,363.09	523.72
		For Class 52 Rating, Deduct	*-612.65*	
		For Class 54 Rating, Add	*844.96*	
		For Class 55 Rating, Add	*1,261.06*	
		For Class 56 Rating, Add	*1,671.59*	
40 05 19 00-2215	EA	10" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,580.76	527.75
		For Class 52 Rating, Deduct	*-635.93*	
		For Class 54 Rating, Add	*876.77*	
		For Class 55 Rating, Add	*1,308.39*	
		For Class 56 Rating, Add	*1,734.22*	
40 05 19 00-2216	EA	10" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,798.45	531.78
		For Class 52 Rating, Deduct	*-659.20*	
		For Class 54 Rating, Add	*908.58*	
		For Class 55 Rating, Add	*1,355.71*	
		For Class 56 Rating, Add	*1,796.86*	
40 05 19 00-2217	EA	10" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,016.12	535.80
		For Class 52 Rating, Deduct	*-682.47*	
		For Class 54 Rating, Add	*940.39*	
		For Class 55 Rating, Add	*1,403.04*	
		For Class 56 Rating, Add	*1,859.49*	
40 05 19 00-2218	EA	10" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,233.81	539.83
		For Class 52 Rating, Deduct	*-705.75*	
		For Class 54 Rating, Add	*972.20*	
		For Class 55 Rating, Add	*1,450.37*	
		For Class 56 Rating, Add	*1,922.13*	
40 05 19 00-2219	EA	10" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,451.48	543.87
		For Class 52 Rating, Deduct	*-729.02*	
		For Class 54 Rating, Add	*1,004.00*	
		For Class 55 Rating, Add	*1,497.70*	
		For Class 56 Rating, Add	*1,984.76*	
40 05 19 00-2220	EA	10" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,669.16	547.90
		For Class 52 Rating, Deduct	*-752.29*	
		For Class 54 Rating, Add	*1,035.81*	
		For Class 55 Rating, Add	*1,545.02*	
		For Class 56 Rating, Add	*2,047.40*	
40 05 19 00-2221	EA	10" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,886.84	551.92
		For Class 52 Rating, Deduct	*-775.56*	
		For Class 54 Rating, Add	*1,067.62*	
		For Class 55 Rating, Add	*1,592.35*	
		For Class 56 Rating, Add	*2,110.03*	
40 05 19 00-2222	EA	10" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,104.51	555.95
		For Class 52 Rating, Deduct	*-798.84*	
		For Class 54 Rating, Add	*1,099.43*	
		For Class 55 Rating, Add	*1,639.68*	
		For Class 56 Rating, Add	*2,172.66*	
40 05 19 00-2223	EA	10" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,322.19	559.98
		For Class 52 Rating, Deduct	*-822.11*	
		For Class 54 Rating, Add	*1,131.24*	
		For Class 55 Rating, Add	*1,687.01*	
		For Class 56 Rating, Add	*2,235.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2224	EA	10" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,539.87	564.01
		For Class 52 Rating, Deduct	*-845.38*	
		For Class 54 Rating, Add	*1,163.05*	
		For Class 55 Rating, Add	*1,734.33*	
		For Class 56 Rating, Add	*2,297.93*	
40 05 19 00-2225	EA	10" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,757.55	568.03
		For Class 52 Rating, Deduct	*-868.66*	
		For Class 54 Rating, Add	*1,194.86*	
		For Class 55 Rating, Add	*1,781.66*	
		For Class 56 Rating, Add	*2,360.57*	
40 05 19 00-2226	EA	10" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,975.23	572.06
		For Class 52 Rating, Deduct	*-891.93*	
		For Class 54 Rating, Add	*1,226.67*	
		For Class 55 Rating, Add	*1,828.99*	
		For Class 56 Rating, Add	*2,423.20*	
40 05 19 00-2227	EA	10" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,192.91	576.09
		For Class 52 Rating, Deduct	*-915.20*	
		For Class 54 Rating, Add	*1,258.48*	
		For Class 55 Rating, Add	*1,876.32*	
		For Class 56 Rating, Add	*2,485.84*	
40 05 19 00-2228	EA	10" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,410.58	580.13
		For Class 52 Rating, Deduct	*-938.48*	
		For Class 54 Rating, Add	*1,290.29*	
		For Class 55 Rating, Add	*1,923.64*	
		For Class 56 Rating, Add	*2,548.47*	
40 05 19 00-2229	EA	10" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,628.27	584.16
		For Class 52 Rating, Deduct	*-961.75*	
		For Class 54 Rating, Add	*1,322.10*	
		For Class 55 Rating, Add	*1,970.97*	
		For Class 56 Rating, Add	*2,611.10*	
40 05 19 00-2230	EA	10" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,845.95	588.18
		For Class 52 Rating, Deduct	*-985.02*	
		For Class 54 Rating, Add	*1,353.91*	
		For Class 55 Rating, Add	*2,018.30*	
		For Class 56 Rating, Add	*2,673.74*	
40 05 19 00-2231	EA	10" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,063.62	592.21
		For Class 52 Rating, Deduct	*-1,008.30*	
		For Class 54 Rating, Add	*1,385.72*	
		For Class 55 Rating, Add	*2,065.63*	
		For Class 56 Rating, Add	*2,736.37*	
40 05 19 00-2232	EA	10" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,281.30	596.24
		For Class 52 Rating, Deduct	*-1,031.57*	
		For Class 54 Rating, Add	*1,417.53*	
		For Class 55 Rating, Add	*2,112.96*	
		For Class 56 Rating, Add	*2,799.01*	
40 05 19 00-2233	EA	10" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,498.99	600.27
		For Class 52 Rating, Deduct	*-1,054.84*	
		For Class 54 Rating, Add	*1,449.34*	
		For Class 55 Rating, Add	*2,160.28*	
		For Class 56 Rating, Add	*2,861.64*	
40 05 19 00-2234	EA	10" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,716.66	604.29
		For Class 52 Rating, Deduct	*-1,078.12*	
		For Class 54 Rating, Add	*1,481.15*	
		For Class 55 Rating, Add	*2,207.61*	
		For Class 56 Rating, Add	*2,924.27*	

40 05 19 00-2235 12" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

40 05 19 00-2236	EA	12" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,199.04	564.01
		For Class 52 Rating, Deduct	*-257.89*	
		For Class 54 Rating, Add	*361.93*	
		For Class 55 Rating, Add	*543.33*	
		For Class 56 Rating, Add	*722.39*	
40 05 19 00-2237	EA	12" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,468.18	568.03
		For Class 52 Rating, Deduct	*-286.83*	
		For Class 54 Rating, Add	*401.46*	
		For Class 55 Rating, Add	*602.13*	
		For Class 56 Rating, Add	*800.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2238	EA	12" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,737.33	572.06
		For Class 52 Rating, Deduct	*-315.76*	
		For Class 54 Rating, Add	*440.99*	
		For Class 55 Rating, Add	*660.94*	
		For Class 56 Rating, Add	*878.02*	
40 05 19 00-2239	EA	12" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,006.47	576.09
		For Class 52 Rating, Deduct	*-344.70*	
		For Class 54 Rating, Add	*480.51*	
		For Class 55 Rating, Add	*719.74*	
		For Class 56 Rating, Add	*955.84*	
40 05 19 00-2240	EA	12" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,275.60	580.13
		For Class 52 Rating, Deduct	*-373.63*	
		For Class 54 Rating, Add	*520.04*	
		For Class 55 Rating, Add	*778.54*	
		For Class 56 Rating, Add	*1,033.65*	
40 05 19 00-2241	EA	12" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,544.75	584.16
		For Class 52 Rating, Deduct	*-402.56*	
		For Class 54 Rating, Add	*559.57*	
		For Class 55 Rating, Add	*837.35*	
		For Class 56 Rating, Add	*1,111.47*	
40 05 19 00-2242	EA	12" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,813.90	588.18
		For Class 52 Rating, Deduct	*-431.50*	
		For Class 54 Rating, Add	*599.10*	
		For Class 55 Rating, Add	*896.15*	
		For Class 56 Rating, Add	*1,189.28*	
40 05 19 00-2243	EA	12" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,083.03	592.21
		For Class 52 Rating, Deduct	*-460.43*	
		For Class 54 Rating, Add	*638.63*	
		For Class 55 Rating, Add	*954.96*	
		For Class 56 Rating, Add	*1,267.10*	
40 05 19 00-2244	EA	12" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,352.18	596.24
		For Class 52 Rating, Deduct	*-489.37*	
		For Class 54 Rating, Add	*678.16*	
		For Class 55 Rating, Add	*1,013.76*	
		For Class 56 Rating, Add	*1,344.92*	
40 05 19 00-2245	EA	12" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,621.33	600.27
		For Class 52 Rating, Deduct	*-518.30*	
		For Class 54 Rating, Add	*717.69*	
		For Class 55 Rating, Add	*1,072.57*	
		For Class 56 Rating, Add	*1,422.73*	
40 05 19 00-2246	EA	12" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,890.47	604.29
		For Class 52 Rating, Deduct	*-547.24*	
		For Class 54 Rating, Add	*757.22*	
		For Class 55 Rating, Add	*1,131.37*	
		For Class 56 Rating, Add	*1,500.55*	
40 05 19 00-2247	EA	12" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,159.61	608.32
		For Class 52 Rating, Deduct	*-576.17*	
		For Class 54 Rating, Add	*796.75*	
		For Class 55 Rating, Add	*1,190.17*	
		For Class 56 Rating, Add	*1,578.36*	
40 05 19 00-2248	EA	12" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,428.76	612.35
		For Class 52 Rating, Deduct	*-605.10*	
		For Class 54 Rating, Add	*836.28*	
		For Class 55 Rating, Add	*1,248.98*	
		For Class 56 Rating, Add	*1,656.18*	
40 05 19 00-2249	EA	12" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,697.90	616.38
		For Class 52 Rating, Deduct	*-634.04*	
		For Class 54 Rating, Add	*875.81*	
		For Class 55 Rating, Add	*1,307.78*	
		For Class 56 Rating, Add	*1,734.00*	
40 05 19 00-2250	EA	12" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,967.04	620.41
		For Class 52 Rating, Deduct	*-662.97*	
		For Class 54 Rating, Add	*915.33*	
		For Class 55 Rating, Add	*1,366.59*	
		For Class 56 Rating, Add	*1,811.81*	
40 05 19 00-2251	EA	12" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,236.17	624.44
		For Class 52 Rating, Deduct	*-691.91*	
		For Class 54 Rating, Add	*954.86*	
		For Class 55 Rating, Add	*1,425.39*	
		For Class 56 Rating, Add	*1,889.63*	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2252	EA	12" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,505.32	628.47
		For Class 52 Rating, Deduct	*-720.84*	
		For Class 54 Rating, Add	*994.39*	
		For Class 55 Rating, Add	*1,484.19*	
		For Class 56 Rating, Add	*1,967.44*	
40 05 19 00-2253	EA	12" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,774.47	632.50
		For Class 52 Rating, Deduct	*-749.78*	
		For Class 54 Rating, Add	*1,033.92*	
		For Class 55 Rating, Add	*1,543.00*	
		For Class 56 Rating, Add	*2,045.26*	
40 05 19 00-2254	EA	12" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,043.61	636.52
		For Class 52 Rating, Deduct	*-778.71*	
		For Class 54 Rating, Add	*1,073.45*	
		For Class 55 Rating, Add	*1,601.80*	
		For Class 56 Rating, Add	*2,123.08*	
40 05 19 00-2255	EA	12" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,312.75	640.55
		For Class 52 Rating, Deduct	*-807.64*	
		For Class 54 Rating, Add	*1,112.98*	
		For Class 55 Rating, Add	*1,660.61*	
		For Class 56 Rating, Add	*2,200.89*	
40 05 19 00-2256	EA	12" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,581.90	644.58
		For Class 52 Rating, Deduct	*-836.58*	
		For Class 54 Rating, Add	*1,152.51*	
		For Class 55 Rating, Add	*1,719.41*	
		For Class 56 Rating, Add	*2,278.71*	
40 05 19 00-2257	EA	12" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,851.04	648.61
		For Class 52 Rating, Deduct	*-865.51*	
		For Class 54 Rating, Add	*1,192.04*	
		For Class 55 Rating, Add	*1,778.22*	
		For Class 56 Rating, Add	*2,356.53*	
40 05 19 00-2258	EA	12" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,120.19	652.63
		For Class 52 Rating, Deduct	*-894.45*	
		For Class 54 Rating, Add	*1,231.57*	
		For Class 55 Rating, Add	*1,837.02*	
		For Class 56 Rating, Add	*2,434.34*	
40 05 19 00-2259	EA	12" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,389.33	656.67
		For Class 52 Rating, Deduct	*-923.38*	
		For Class 54 Rating, Add	*1,271.10*	
		For Class 55 Rating, Add	*1,895.83*	
		For Class 56 Rating, Add	*2,512.16*	
40 05 19 00-2260	EA	12" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,655.61	660.70
		For Class 52 Rating, Deduct	*-952.00*	
		For Class 54 Rating, Add	*1,310.20*	
		For Class 55 Rating, Add	*1,953.99*	
		For Class 56 Rating, Add	*2,589.13*	
40 05 19 00-2261	EA	12" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,927.61	664.73
		For Class 52 Rating, Deduct	*-981.25*	
		For Class 54 Rating, Add	*1,350.15*	
		For Class 55 Rating, Add	*2,013.43*	
		For Class 56 Rating, Add	*2,667.79*	
40 05 19 00-2262	EA	12" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,196.76	668.75
		For Class 52 Rating, Deduct	*-1,010.18*	
		For Class 54 Rating, Add	*1,389.68*	
		For Class 55 Rating, Add	*2,072.24*	
		For Class 56 Rating, Add	*2,745.61*	
40 05 19 00-2263	EA	12" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,465.89	672.78
		For Class 52 Rating, Deduct	*-1,039.12*	
		For Class 54 Rating, Add	*1,429.21*	
		For Class 55 Rating, Add	*2,131.04*	
		For Class 56 Rating, Add	*2,823.42*	
40 05 19 00-2264	EA	12" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,735.04	676.81
		For Class 52 Rating, Deduct	*-1,068.05*	
		For Class 54 Rating, Add	*1,468.74*	
		For Class 55 Rating, Add	*2,189.85*	
		For Class 56 Rating, Add	*2,901.24*	
40 05 19 00-2265	EA	12" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,004.19	680.84
		For Class 52 Rating, Deduct	*-1,096.99*	
		For Class 54 Rating, Add	*1,508.27*	
		For Class 55 Rating, Add	*2,248.65*	
		For Class 56 Rating, Add	*2,979.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2266	EA	12" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,273.33	684.86
		For Class 52 Rating, Deduct	*-1,125.92*	
		For Class 54 Rating, Add	*1,547.80*	
		For Class 55 Rating, Add	*2,307.45*	
		For Class 56 Rating, Add	*3,056.87*	
40 05 19 00-2267	EA	12" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,542.47	688.89
		For Class 52 Rating, Deduct	*-1,154.86*	
		For Class 54 Rating, Add	*1,587.33*	
		For Class 55 Rating, Add	*2,366.26*	
		For Class 56 Rating, Add	*3,134.69*	
40 05 19 00-2268	EA	12" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,811.61	692.93
		For Class 52 Rating, Deduct	*-1,183.79*	
		For Class 54 Rating, Add	*1,626.86*	
		For Class 55 Rating, Add	*2,425.06*	
		For Class 56 Rating, Add	*3,212.51*	
40 05 19 00-2269	EA	12" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,080.76	696.96
		For Class 52 Rating, Deduct	*-1,212.72*	
		For Class 54 Rating, Add	*1,666.39*	
		For Class 55 Rating, Add	*2,483.87*	
		For Class 56 Rating, Add	*3,290.32*	
40 05 19 00-2270	EA	12" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,349.91	700.98
		For Class 52 Rating, Deduct	*-1,241.66*	
		For Class 54 Rating, Add	*1,705.92*	
		For Class 55 Rating, Add	*2,542.67*	
		For Class 56 Rating, Add	*3,368.14*	
40 05 19 00-2271	EA	12" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,619.03	705.01
		For Class 52 Rating, Deduct	*-1,270.59*	
		For Class 54 Rating, Add	*1,745.44*	
		For Class 55 Rating, Add	*2,601.47*	
		For Class 56 Rating, Add	*3,445.95*	
40 05 19 00-2272	EA	12" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,888.18	709.04
		For Class 52 Rating, Deduct	*-1,299.53*	
		For Class 54 Rating, Add	*1,784.97*	
		For Class 55 Rating, Add	*2,660.28*	
		For Class 56 Rating, Add	*3,523.77*	
40 05 19 00-2273	EA	12" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,157.33	713.07
		For Class 52 Rating, Deduct	*-1,328.46*	
		For Class 54 Rating, Add	*1,824.50*	
		For Class 55 Rating, Add	*2,719.08*	
		For Class 56 Rating, Add	*3,601.59*	
40 05 19 00-2274	EA	12" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,426.47	717.09
		For Class 52 Rating, Deduct	*-1,357.40*	
		For Class 54 Rating, Add	*1,864.03*	
		For Class 55 Rating, Add	*2,777.89*	
		For Class 56 Rating, Add	*3,679.40*	

40 05 19 00-2275 14" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

40 05 19 00-2276	EA	14" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,287.73	676.81
		For Class 52 Rating, Deduct	*-358.85*	
		For Class 54 Rating, Add	*501.64*	
		For Class 55 Rating, Add	*752.10*	
		For Class 56 Rating, Add	*999.28*	
40 05 19 00-2277	EA	14" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,614.06	680.84
		For Class 52 Rating, Deduct	*-394.07*	
		For Class 54 Rating, Add	*549.75*	
		For Class 55 Rating, Add	*823.65*	
		For Class 56 Rating, Add	*1,093.97*	
40 05 19 00-2278	EA	14" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,940.38	684.86
		For Class 52 Rating, Deduct	*-429.30*	
		For Class 54 Rating, Add	*597.86*	
		For Class 55 Rating, Add	*895.21*	
		For Class 56 Rating, Add	*1,188.65*	
40 05 19 00-2279	EA	14" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,266.70	688.89
		For Class 52 Rating, Deduct	*-464.52*	
		For Class 54 Rating, Add	*645.96*	
		For Class 55 Rating, Add	*966.76*	
		For Class 56 Rating, Add	*1,283.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2280	EA	14" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,593.02	692.93
		For Class 52 Rating, Deduct	*-499.75*	
		For Class 54 Rating, Add	*694.07*	
		For Class 55 Rating, Add	*1,038.32*	
		For Class 56 Rating, Add	*1,378.02*	
40 05 19 00-2281	EA	14" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,919.35	696.96
		For Class 52 Rating, Deduct	*-534.97*	
		For Class 54 Rating, Add	*742.18*	
		For Class 55 Rating, Add	*1,109.87*	
		For Class 56 Rating, Add	*1,472.71*	
40 05 19 00-2282	EA	14" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,245.68	700.98
		For Class 52 Rating, Deduct	*-570.19*	
		For Class 54 Rating, Add	*790.28*	
		For Class 55 Rating, Add	*1,181.43*	
		For Class 56 Rating, Add	*1,567.39*	
40 05 19 00-2283	EA	14" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,572.00	705.01
		For Class 52 Rating, Deduct	*-605.42*	
		For Class 54 Rating, Add	*838.39*	
		For Class 55 Rating, Add	*1,252.99*	
		For Class 56 Rating, Add	*1,662.08*	
40 05 19 00-2284	EA	14" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,898.33	709.04
		For Class 52 Rating, Deduct	*-640.64*	
		For Class 54 Rating, Add	*886.50*	
		For Class 55 Rating, Add	*1,324.54*	
		For Class 56 Rating, Add	*1,756.76*	
40 05 19 00-2285	EA	14" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,224.66	713.07
		For Class 52 Rating, Deduct	*-675.87*	
		For Class 54 Rating, Add	*934.60*	
		For Class 55 Rating, Add	*1,396.10*	
		For Class 56 Rating, Add	*1,851.45*	
40 05 19 00-2286	EA	14" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,550.98	717.09
		For Class 52 Rating, Deduct	*-711.09*	
		For Class 54 Rating, Add	*982.71*	
		For Class 55 Rating, Add	*1,467.65*	
		For Class 56 Rating, Add	*1,946.13*	
40 05 19 00-2287	EA	14" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,877.30	721.12
		For Class 52 Rating, Deduct	*-746.32*	
		For Class 54 Rating, Add	*1,030.81*	
		For Class 55 Rating, Add	*1,539.21*	
		For Class 56 Rating, Add	*2,040.82*	
40 05 19 00-2288	EA	14" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,203.63	725.15
		For Class 52 Rating, Deduct	*-781.54*	
		For Class 54 Rating, Add	*1,078.92*	
		For Class 55 Rating, Add	*1,610.76*	
		For Class 56 Rating, Add	*2,135.50*	
40 05 19 00-2289	EA	14" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,529.95	729.19
		For Class 52 Rating, Deduct	*-816.76*	
		For Class 54 Rating, Add	*1,127.03*	
		For Class 55 Rating, Add	*1,682.32*	
		For Class 56 Rating, Add	*2,230.19*	
40 05 19 00-2290	EA	14" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,856.29	733.21
		For Class 52 Rating, Deduct	*-851.99*	
		For Class 54 Rating, Add	*1,175.14*	
		For Class 55 Rating, Add	*1,753.88*	
		For Class 56 Rating, Add	*2,324.87*	
40 05 19 00-2291	EA	14" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,182.61	737.24
		For Class 52 Rating, Deduct	*-887.21*	
		For Class 54 Rating, Add	*1,223.24*	
		For Class 55 Rating, Add	*1,825.43*	
		For Class 56 Rating, Add	*2,419.56*	
40 05 19 00-2292	EA	14" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,508.93	741.27
		For Class 52 Rating, Deduct	*-922.44*	
		For Class 54 Rating, Add	*1,271.35*	
		For Class 55 Rating, Add	*1,896.99*	
		For Class 56 Rating, Add	*2,514.24*	
40 05 19 00-2293	EA	14" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,835.26	745.30
		For Class 52 Rating, Deduct	*-957.66*	
		For Class 54 Rating, Add	*1,319.45*	
		For Class 55 Rating, Add	*1,968.54*	
		For Class 56 Rating, Add	*2,608.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2294	EA	14" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,161.59	749.32
		For Class 52 Rating, Deduct	*-992.89*	
		For Class 54 Rating, Add	*1,367.56*	
		For Class 55 Rating, Add	*2,040.10*	
		For Class 56 Rating, Add	*2,703.61*	
40 05 19 00-2295	EA	14" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,487.90	753.35
		For Class 52 Rating, Deduct	*-1,028.11*	
		For Class 54 Rating, Add	*1,415.67*	
		For Class 55 Rating, Add	*2,111.66*	
		For Class 56 Rating, Add	*2,798.30*	
40 05 19 00-2296	EA	14" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,814.23	757.38
		For Class 52 Rating, Deduct	*-1,063.33*	
		For Class 54 Rating, Add	*1,463.77*	
		For Class 55 Rating, Add	*2,183.21*	
		For Class 56 Rating, Add	*2,892.98*	
40 05 19 00-2297	EA	14" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,140.56	761.41
		For Class 52 Rating, Deduct	*-1,098.56*	
		For Class 54 Rating, Add	*1,511.88*	
		For Class 55 Rating, Add	*2,254.77*	
		For Class 56 Rating, Add	*2,987.67*	
40 05 19 00-2298	EA	14" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,466.89	765.44
		For Class 52 Rating, Deduct	*-1,133.78*	
		For Class 54 Rating, Add	*1,559.99*	
		For Class 55 Rating, Add	*2,326.32*	
		For Class 56 Rating, Add	*3,082.35*	
40 05 19 00-2299	EA	14" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,793.21	769.47
		For Class 52 Rating, Deduct	*-1,169.01*	
		For Class 54 Rating, Add	*1,608.09*	
		For Class 55 Rating, Add	*2,397.88*	
		For Class 56 Rating, Add	*3,177.04*	
40 05 19 00-2300	EA	14" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,119.53	773.50
		For Class 52 Rating, Deduct	*-1,204.23*	
		For Class 54 Rating, Add	*1,656.20*	
		For Class 55 Rating, Add	*2,469.44*	
		For Class 56 Rating, Add	*3,271.72*	
40 05 19 00-2301	EA	14" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,445.86	777.53
		For Class 52 Rating, Deduct	*-1,239.46*	
		For Class 54 Rating, Add	*1,704.31*	
		For Class 55 Rating, Add	*2,540.99*	
		For Class 56 Rating, Add	*3,366.41*	
40 05 19 00-2302	EA	14" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,772.19	781.56
		For Class 52 Rating, Deduct	*-1,274.68*	
		For Class 54 Rating, Add	*1,752.41*	
		For Class 55 Rating, Add	*2,612.55*	
		For Class 56 Rating, Add	*3,461.09*	
40 05 19 00-2303	EA	14" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,098.50	785.58
		For Class 52 Rating, Deduct	*-1,309.91*	
		For Class 54 Rating, Add	*1,800.52*	
		For Class 55 Rating, Add	*2,684.10*	
		For Class 56 Rating, Add	*3,555.78*	
40 05 19 00-2304	EA	14" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,424.84	789.61
		For Class 52 Rating, Deduct	*-1,345.13*	
		For Class 54 Rating, Add	*1,848.63*	
		For Class 55 Rating, Add	*2,755.66*	
		For Class 56 Rating, Add	*3,650.47*	
40 05 19 00-2305	EA	14" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,751.17	793.64
		For Class 52 Rating, Deduct	*-1,380.35*	
		For Class 54 Rating, Add	*1,896.73*	
		For Class 55 Rating, Add	*2,827.22*	
		For Class 56 Rating, Add	*3,745.15*	
40 05 19 00-2306	EA	14" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,077.49	797.67
		For Class 52 Rating, Deduct	*-1,415.58*	
		For Class 54 Rating, Add	*1,944.84*	
		For Class 55 Rating, Add	*2,898.77*	
		For Class 56 Rating, Add	*3,839.83*	
40 05 19 00-2307	EA	14" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,403.81	801.69
		For Class 52 Rating, Deduct	*-1,450.80*	
		For Class 54 Rating, Add	*1,992.94*	
		For Class 55 Rating, Add	*2,970.33*	
		For Class 56 Rating, Add	*3,934.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2308	EA	14" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,730.14	805.73
		For Class 52 Rating, Deduct	*-1,486.03*	
		For Class 54 Rating, Add	*2,041.05*	
		For Class 55 Rating, Add	*3,041.88*	
		For Class 56 Rating, Add	*4,029.20*	
40 05 19 00-2309	EA	14" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,056.46	809.76
		For Class 52 Rating, Deduct	*-1,521.25*	
		For Class 54 Rating, Add	*2,089.16*	
		For Class 55 Rating, Add	*3,113.44*	
		For Class 56 Rating, Add	*4,123.89*	
40 05 19 00-2310	EA	14" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,382.79	813.79
		For Class 52 Rating, Deduct	*-1,556.48*	
		For Class 54 Rating, Add	*2,137.26*	
		For Class 55 Rating, Add	*3,184.99*	
		For Class 56 Rating, Add	*4,218.57*	
40 05 19 00-2311	EA	14" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,709.12	817.81
		For Class 52 Rating, Deduct	*-1,591.70*	
		For Class 54 Rating, Add	*2,185.37*	
		For Class 55 Rating, Add	*3,256.55*	
		For Class 56 Rating, Add	*4,313.26*	
40 05 19 00-2312	EA	14" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,035.44	821.84
		For Class 52 Rating, Deduct	*-1,626.93*	
		For Class 54 Rating, Add	*2,233.48*	
		For Class 55 Rating, Add	*3,328.11*	
		For Class 56 Rating, Add	*4,407.95*	
40 05 19 00-2313	EA	14" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,361.77	825.87
		For Class 52 Rating, Deduct	*-1,662.15*	
		For Class 54 Rating, Add	*2,281.58*	
		For Class 55 Rating, Add	*3,399.66*	
		For Class 56 Rating, Add	*4,502.63*	

40 05 19 00-2314 16" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

40 05 19 00-2315	EA	16" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,031.77	773.50
		For Class 52 Rating, Deduct	*-424.58*	
		For Class 54 Rating, Add	*593.04*	
		For Class 55 Rating, Add	*888.86*	
		For Class 56 Rating, Add	*1,180.83*	
40 05 19 00-2316	EA	16" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,409.57	777.53
		For Class 52 Rating, Deduct	*-465.47*	
		For Class 54 Rating, Add	*648.86*	
		For Class 55 Rating, Add	*971.90*	
		For Class 56 Rating, Add	*1,290.70*	
40 05 19 00-2317	EA	16" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,787.36	781.56
		For Class 52 Rating, Deduct	*-506.35*	
		For Class 54 Rating, Add	*704.69*	
		For Class 55 Rating, Add	*1,054.93*	
		For Class 56 Rating, Add	*1,400.57*	
40 05 19 00-2318	EA	16" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,165.14	785.58
		For Class 52 Rating, Deduct	*-547.24*	
		For Class 54 Rating, Add	*760.51*	
		For Class 55 Rating, Add	*1,137.96*	
		For Class 56 Rating, Add	*1,510.44*	
40 05 19 00-2319	EA	16" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,542.93	789.61
		For Class 52 Rating, Deduct	*-588.12*	
		For Class 54 Rating, Add	*816.34*	
		For Class 55 Rating, Add	*1,220.99*	
		For Class 56 Rating, Add	*1,620.30*	
40 05 19 00-2320	EA	16" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,920.73	793.64
		For Class 52 Rating, Deduct	*-629.01*	
		For Class 54 Rating, Add	*872.17*	
		For Class 55 Rating, Add	*1,304.03*	
		For Class 56 Rating, Add	*1,730.17*	
40 05 19 00-2321	EA	16" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,298.52	797.67
		For Class 52 Rating, Deduct	*-669.89*	
		For Class 54 Rating, Add	*927.99*	
		For Class 55 Rating, Add	*1,387.06*	
		For Class 56 Rating, Add	*1,840.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2322	EA	16" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,676.30	801.69
		For Class 52 Rating, Deduct	*-710.78*	
		For Class 54 Rating, Add	*983.82*	
		For Class 55 Rating, Add	*1,470.09*	
		For Class 56 Rating, Add	*1,949.90*	
40 05 19 00-2323	EA	16" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,054.10	805.73
		For Class 52 Rating, Deduct	*-751.66*	
		For Class 54 Rating, Add	*1,039.64*	
		For Class 55 Rating, Add	*1,553.13*	
		For Class 56 Rating, Add	*2,059.77*	
40 05 19 00-2324	EA	16" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,431.88	809.76
		For Class 52 Rating, Deduct	*-792.55*	
		For Class 54 Rating, Add	*1,095.47*	
		For Class 55 Rating, Add	*1,636.16*	
		For Class 56 Rating, Add	*2,169.64*	
40 05 19 00-2325	EA	16" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,809.68	813.79
		For Class 52 Rating, Deduct	*-833.43*	
		For Class 54 Rating, Add	*1,151.30*	
		For Class 55 Rating, Add	*1,719.19*	
		For Class 56 Rating, Add	*2,279.51*	
40 05 19 00-2326	EA	16" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,187.46	817.81
		For Class 52 Rating, Deduct	*-874.32*	
		For Class 54 Rating, Add	*1,207.12*	
		For Class 55 Rating, Add	*1,802.22*	
		For Class 56 Rating, Add	*2,389.37*	
40 05 19 00-2327	EA	16" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,565.25	821.84
		For Class 52 Rating, Deduct	*-915.20*	
		For Class 54 Rating, Add	*1,262.95*	
		For Class 55 Rating, Add	*1,885.25*	
		For Class 56 Rating, Add	*2,499.24*	
40 05 19 00-2328	EA	16" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,943.04	825.87
		For Class 52 Rating, Deduct	*-956.09*	
		For Class 54 Rating, Add	*1,318.77*	
		For Class 55 Rating, Add	*1,968.29*	
		For Class 56 Rating, Add	*2,609.10*	
40 05 19 00-2329	EA	16" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,320.84	829.90
		For Class 52 Rating, Deduct	*-996.98*	
		For Class 54 Rating, Add	*1,374.60*	
		For Class 55 Rating, Add	*2,051.32*	
		For Class 56 Rating, Add	*2,718.97*	
40 05 19 00-2330	EA	16" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,698.62	833.92
		For Class 52 Rating, Deduct	*-1,037.86*	
		For Class 54 Rating, Add	*1,430.43*	
		For Class 55 Rating, Add	*2,134.35*	
		For Class 56 Rating, Add	*2,828.84*	
40 05 19 00-2331	EA	16" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,076.41	837.95
		For Class 52 Rating, Deduct	*-1,078.75*	
		For Class 54 Rating, Add	*1,486.25*	
		For Class 55 Rating, Add	*2,217.38*	
		For Class 56 Rating, Add	*2,938.71*	
40 05 19 00-2332	EA	16" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,454.20	841.99
		For Class 52 Rating, Deduct	*-1,119.63*	
		For Class 54 Rating, Add	*1,542.08*	
		For Class 55 Rating, Add	*2,300.42*	
		For Class 56 Rating, Add	*3,048.57*	
40 05 19 00-2333	EA	16" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,831.99	846.02
		For Class 52 Rating, Deduct	*-1,160.52*	
		For Class 54 Rating, Add	*1,597.90*	
		For Class 55 Rating, Add	*2,383.45*	
		For Class 56 Rating, Add	*3,158.44*	
40 05 19 00-2334	EA	16" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,209.78	850.04
		For Class 52 Rating, Deduct	*-1,201.40*	
		For Class 54 Rating, Add	*1,653.73*	
		For Class 55 Rating, Add	*2,466.48*	
		For Class 56 Rating, Add	*3,268.31*	
40 05 19 00-2335	EA	16" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,587.56	854.07
		For Class 52 Rating, Deduct	*-1,242.29*	
		For Class 54 Rating, Add	*1,709.56*	
		For Class 55 Rating, Add	*2,549.51*	
		For Class 56 Rating, Add	*3,378.17*	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2336	EA	16" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,965.36	858.10
		For Class 52 Rating, Deduct	*-1,283.17*	
		For Class 54 Rating, Add	*1,765.38*	
		For Class 55 Rating, Add	*2,632.55*	
		For Class 56 Rating, Add	*3,488.04*	
40 05 19 00-2337	EA	16" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,343.16	862.13
		For Class 52 Rating, Deduct	*-1,324.06*	
		For Class 54 Rating, Add	*1,821.21*	
		For Class 55 Rating, Add	*2,715.58*	
		For Class 56 Rating, Add	*3,597.91*	
40 05 19 00-2338	EA	16" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,720.93	866.15
		For Class 52 Rating, Deduct	*-1,364.94*	
		For Class 54 Rating, Add	*1,877.04*	
		For Class 55 Rating, Add	*2,798.61*	
		For Class 56 Rating, Add	*3,707.78*	
40 05 19 00-2339	EA	16" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,098.73	870.18
		For Class 52 Rating, Deduct	*-1,405.83*	
		For Class 54 Rating, Add	*1,932.86*	
		For Class 55 Rating, Add	*2,881.64*	
		For Class 56 Rating, Add	*3,817.64*	
40 05 19 00-2340	EA	16" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,476.52	874.21
		For Class 52 Rating, Deduct	*-1,446.71*	
		For Class 54 Rating, Add	*1,988.69*	
		For Class 55 Rating, Add	*2,964.67*	
		For Class 56 Rating, Add	*3,927.51*	
40 05 19 00-2341	EA	16" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,854.31	878.25
		For Class 52 Rating, Deduct	*-1,487.60*	
		For Class 54 Rating, Add	*2,044.51*	
		For Class 55 Rating, Add	*3,047.71*	
		For Class 56 Rating, Add	*4,037.38*	
40 05 19 00-2342	EA	16" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,232.09	882.27
		For Class 52 Rating, Deduct	*-1,528.49*	
		For Class 54 Rating, Add	*2,100.34*	
		For Class 55 Rating, Add	*3,130.74*	
		For Class 56 Rating, Add	*4,147.24*	
40 05 19 00-2343	EA	16" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,609.89	886.30
		For Class 52 Rating, Deduct	*-1,569.37*	
		For Class 54 Rating, Add	*2,156.17*	
		For Class 55 Rating, Add	*3,213.77*	
		For Class 56 Rating, Add	*4,257.11*	
40 05 19 00-2344	EA	16" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,987.67	890.33
		For Class 52 Rating, Deduct	*-1,610.26*	
		For Class 54 Rating, Add	*2,211.99*	
		For Class 55 Rating, Add	*3,296.80*	
		For Class 56 Rating, Add	*4,366.98*	
40 05 19 00-2345	EA	16" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,365.47	894.36
		For Class 52 Rating, Deduct	*-1,651.14*	
		For Class 54 Rating, Add	*2,267.82*	
		For Class 55 Rating, Add	*3,379.84*	
		For Class 56 Rating, Add	*4,476.85*	
40 05 19 00-2346	EA	16" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,743.26	898.38
		For Class 52 Rating, Deduct	*-1,692.03*	
		For Class 54 Rating, Add	*2,323.64*	
		For Class 55 Rating, Add	*3,462.87*	
		For Class 56 Rating, Add	*4,586.71*	
40 05 19 00-2347	EA	16" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,121.04	902.41
		For Class 52 Rating, Deduct	*-1,732.91*	
		For Class 54 Rating, Add	*2,379.47*	
		For Class 55 Rating, Add	*3,545.90*	
		For Class 56 Rating, Add	*4,696.58*	
40 05 19 00-2348	EA	16" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,498.84	906.44
		For Class 52 Rating, Deduct	*-1,773.80*	
		For Class 54 Rating, Add	*2,435.30*	
		For Class 55 Rating, Add	*3,628.93*	
		For Class 56 Rating, Add	*4,806.45*	
40 05 19 00-2349	EA	16" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,876.62	910.47
		For Class 52 Rating, Deduct	*-1,814.68*	
		For Class 54 Rating, Add	*2,491.12*	
		For Class 55 Rating, Add	*3,711.97*	
		For Class 56 Rating, Add	*4,916.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2350	EA	16" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,254.41	914.49
		For Class 52 Rating, Deduct	*-1,855.57*	
		For Class 54 Rating, Add	*2,546.95*	
		For Class 55 Rating, Add	*3,795.00*	
		For Class 56 Rating, Add	*5,026.18*	
40 05 19 00-2351	EA	16" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,632.20	918.53
		For Class 52 Rating, Deduct	*-1,896.45*	
		For Class 54 Rating, Add	*2,602.77*	
		For Class 55 Rating, Add	*3,878.03*	
		For Class 56 Rating, Add	*5,136.05*	
40 05 19 00-2352	EA	16" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,009.99	922.56
		For Class 52 Rating, Deduct	*-1,937.34*	
		For Class 54 Rating, Add	*2,658.60*	
		For Class 55 Rating, Add	*3,961.06*	
		For Class 56 Rating, Add	*5,245.91*	

40 05 19 00-2353 18" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

40 05 19 00-2354	EA	18" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,866.90	871.79
		For Class 52 Rating, Deduct	*-500.06*	
		For Class 54 Rating, Add	*697.75*	
		For Class 55 Rating, Add	*1,045.46*	
		For Class 56 Rating, Add	*1,388.62*	
40 05 19 00-2355	EA	18" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,301.88	875.82
		For Class 52 Rating, Deduct	*-547.24*	
		For Class 54 Rating, Add	*762.15*	
		For Class 55 Rating, Add	*1,141.24*	
		For Class 56 Rating, Add	*1,515.36*	
40 05 19 00-2356	EA	18" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,736.85	879.85
		For Class 52 Rating, Deduct	*-594.41*	
		For Class 54 Rating, Add	*826.56*	
		For Class 55 Rating, Add	*1,237.03*	
		For Class 56 Rating, Add	*1,642.10*	
40 05 19 00-2357	EA	18" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,171.81	883.88
		For Class 52 Rating, Deduct	*-641.59*	
		For Class 54 Rating, Add	*890.96*	
		For Class 55 Rating, Add	*1,332.81*	
		For Class 56 Rating, Add	*1,768.83*	
40 05 19 00-2358	EA	18" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,606.79	887.91
		For Class 52 Rating, Deduct	*-688.76*	
		For Class 54 Rating, Add	*955.36*	
		For Class 55 Rating, Add	*1,428.60*	
		For Class 56 Rating, Add	*1,895.57*	
40 05 19 00-2359	EA	18" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,041.77	891.94
		For Class 52 Rating, Deduct	*-735.94*	
		For Class 54 Rating, Add	*1,019.77*	
		For Class 55 Rating, Add	*1,524.38*	
		For Class 56 Rating, Add	*2,022.30*	
40 05 19 00-2360	EA	18" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,476.73	895.97
		For Class 52 Rating, Deduct	*-783.11*	
		For Class 54 Rating, Add	*1,084.17*	
		For Class 55 Rating, Add	*1,620.16*	
		For Class 56 Rating, Add	*2,149.04*	
40 05 19 00-2361	EA	18" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,911.71	900.00
		For Class 52 Rating, Deduct	*-830.29*	
		For Class 54 Rating, Add	*1,148.58*	
		For Class 55 Rating, Add	*1,715.95*	
		For Class 56 Rating, Add	*2,275.77*	
40 05 19 00-2362	EA	18" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,346.68	904.02
		For Class 52 Rating, Deduct	*-877.46*	
		For Class 54 Rating, Add	*1,212.98*	
		For Class 55 Rating, Add	*1,811.73*	
		For Class 56 Rating, Add	*2,402.51*	
40 05 19 00-2363	EA	18" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,781.65	908.05
		For Class 52 Rating, Deduct	*-924.64*	
		For Class 54 Rating, Add	*1,277.38*	
		For Class 55 Rating, Add	*1,907.52*	
		For Class 56 Rating, Add	*2,529.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2364	EA	18" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,216.62	912.08
		For Class 52 Rating, Deduct	*-971.81*	
		For Class 54 Rating, Add	*1,341.79*	
		For Class 55 Rating, Add	*2,003.30*	
		For Class 56 Rating, Add	*2,655.98*	
40 05 19 00-2365	EA	18" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,651.60	916.11
		For Class 52 Rating, Deduct	*-1,018.99*	
		For Class 54 Rating, Add	*1,406.19*	
		For Class 55 Rating, Add	*2,099.08*	
		For Class 56 Rating, Add	*2,782.72*	
40 05 19 00-2366	EA	18" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,086.57	920.13
		For Class 52 Rating, Deduct	*-1,066.17*	
		For Class 54 Rating, Add	*1,470.59*	
		For Class 55 Rating, Add	*2,194.87*	
		For Class 56 Rating, Add	*2,909.45*	
40 05 19 00-2367	EA	18" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,521.54	924.17
		For Class 52 Rating, Deduct	*-1,113.34*	
		For Class 54 Rating, Add	*1,535.00*	
		For Class 55 Rating, Add	*2,290.65*	
		For Class 56 Rating, Add	*3,036.19*	
40 05 19 00-2368	EA	18" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,956.51	928.20
		For Class 52 Rating, Deduct	*-1,160.52*	
		For Class 54 Rating, Add	*1,599.40*	
		For Class 55 Rating, Add	*2,386.44*	
		For Class 56 Rating, Add	*3,162.92*	
40 05 19 00-2369	EA	18" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,391.48	932.23
		For Class 52 Rating, Deduct	*-1,207.69*	
		For Class 54 Rating, Add	*1,663.80*	
		For Class 55 Rating, Add	*2,482.22*	
		For Class 56 Rating, Add	*3,289.66*	
40 05 19 00-2370	EA	18" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,826.46	936.26
		For Class 52 Rating, Deduct	*-1,254.87*	
		For Class 54 Rating, Add	*1,728.21*	
		For Class 55 Rating, Add	*2,578.01*	
		For Class 56 Rating, Add	*3,416.40*	
40 05 19 00-2371	EA	18" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,261.43	940.28
		For Class 52 Rating, Deduct	*-1,302.04*	
		For Class 54 Rating, Add	*1,792.61*	
		For Class 55 Rating, Add	*2,673.79*	
		For Class 56 Rating, Add	*3,543.13*	
40 05 19 00-2372	EA	18" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,696.39	944.31
		For Class 52 Rating, Deduct	*-1,349.22*	
		For Class 54 Rating, Add	*1,857.01*	
		For Class 55 Rating, Add	*2,769.57*	
		For Class 56 Rating, Add	*3,669.87*	
40 05 19 00-2373	EA	18" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,131.37	948.34
		For Class 52 Rating, Deduct	*-1,396.39*	
		For Class 54 Rating, Add	*1,921.42*	
		For Class 55 Rating, Add	*2,865.36*	
		For Class 56 Rating, Add	*3,796.60*	
40 05 19 00-2374	EA	18" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,566.34	952.37
		For Class 52 Rating, Deduct	*-1,443.57*	
		For Class 54 Rating, Add	*1,985.82*	
		For Class 55 Rating, Add	*2,961.14*	
		For Class 56 Rating, Add	*3,923.34*	
40 05 19 00-2375	EA	18" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,001.32	956.39
		For Class 52 Rating, Deduct	*-1,490.75*	
		For Class 54 Rating, Add	*2,050.22*	
		For Class 55 Rating, Add	*3,056.93*	
		For Class 56 Rating, Add	*4,050.08*	
40 05 19 00-2376	EA	18" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,436.29	960.42
		For Class 52 Rating, Deduct	*-1,537.92*	
		For Class 54 Rating, Add	*2,114.63*	
		For Class 55 Rating, Add	*3,152.71*	
		For Class 56 Rating, Add	*4,176.81*	
40 05 19 00-2377	EA	18" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,871.25	964.46
		For Class 52 Rating, Deduct	*-1,585.10*	
		For Class 54 Rating, Add	*2,179.03*	
		For Class 55 Rating, Add	*3,248.49*	
		For Class 56 Rating, Add	*4,303.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2378	EA	18" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,306.23	968.49
		For Class 52 Rating, Deduct	*-1,632.27*	
		For Class 54 Rating, Add	*2,243.43*	
		For Class 55 Rating, Add	*3,344.28*	
		For Class 56 Rating, Add	*4,430.28*	
40 05 19 00-2379	EA	18" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,741.21	972.51
		For Class 52 Rating, Deduct	*-1,679.45*	
		For Class 54 Rating, Add	*2,307.84*	
		For Class 55 Rating, Add	*3,440.06*	
		For Class 56 Rating, Add	*4,557.02*	
40 05 19 00-2380	EA	18" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,176.17	976.54
		For Class 52 Rating, Deduct	*-1,726.62*	
		For Class 54 Rating, Add	*2,372.24*	
		For Class 55 Rating, Add	*3,535.85*	
		For Class 56 Rating, Add	*4,683.75*	
40 05 19 00-2381	EA	18" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,611.15	980.57
		For Class 52 Rating, Deduct	*-1,773.80*	
		For Class 54 Rating, Add	*2,436.64*	
		For Class 55 Rating, Add	*3,631.63*	
		For Class 56 Rating, Add	*4,810.49*	
40 05 19 00-2382	EA	18" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,046.12	984.60
		For Class 52 Rating, Deduct	*-1,820.97*	
		For Class 54 Rating, Add	*2,501.05*	
		For Class 55 Rating, Add	*3,727.41*	
		For Class 56 Rating, Add	*4,937.22*	
40 05 19 00-2383	EA	18" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,481.09	988.62
		For Class 52 Rating, Deduct	*-1,868.15*	
		For Class 54 Rating, Add	*2,565.45*	
		For Class 55 Rating, Add	*3,823.20*	
		For Class 56 Rating, Add	*5,063.96*	
40 05 19 00-2384	EA	18" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,916.06	992.65
		For Class 52 Rating, Deduct	*-1,915.32*	
		For Class 54 Rating, Add	*2,629.85*	
		For Class 55 Rating, Add	*3,918.98*	
		For Class 56 Rating, Add	*5,190.70*	
40 05 19 00-2385	EA	18" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,351.04	996.68
		For Class 52 Rating, Deduct	*-1,962.50*	
		For Class 54 Rating, Add	*2,694.26*	
		For Class 55 Rating, Add	*4,014.77*	
		For Class 56 Rating, Add	*5,317.43*	
40 05 19 00-2386	EA	18" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,786.01	1,000.72
		For Class 52 Rating, Deduct	*-2,009.68*	
		For Class 54 Rating, Add	*2,758.66*	
		For Class 55 Rating, Add	*4,110.55*	
		For Class 56 Rating, Add	*5,444.17*	
40 05 19 00-2387	EA	18" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,220.98	1,004.74
		For Class 52 Rating, Deduct	*-2,056.85*	
		For Class 54 Rating, Add	*2,823.06*	
		For Class 55 Rating, Add	*4,206.33*	
		For Class 56 Rating, Add	*5,570.90*	
40 05 19 00-2388	EA	18" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,655.95	1,008.77
		For Class 52 Rating, Deduct	*-2,104.03*	
		For Class 54 Rating, Add	*2,887.47*	
		For Class 55 Rating, Add	*4,302.12*	
		For Class 56 Rating, Add	*5,697.64*	
40 05 19 00-2389	EA	18" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,090.92	1,012.80
		For Class 52 Rating, Deduct	*-2,151.20*	
		For Class 54 Rating, Add	*2,951.87*	
		For Class 55 Rating, Add	*4,397.90*	
		For Class 56 Rating, Add	*5,824.38*	
40 05 19 00-2390	EA	18" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,525.90	1,016.83
		For Class 52 Rating, Deduct	*-2,198.38*	
		For Class 54 Rating, Add	*3,016.28*	
		For Class 55 Rating, Add	*4,493.69*	
		For Class 56 Rating, Add	*5,951.11*	
40 05 19 00-2391	EA	18" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,960.87	1,020.85
		For Class 52 Rating, Deduct	*-2,245.55*	
		For Class 54 Rating, Add	*3,080.68*	
		For Class 55 Rating, Add	*4,589.47*	
		For Class 56 Rating, Add	*6,077.85*	

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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2392		20" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*		
40 05 19 00-2393	EA	20" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,868.53	995.08
		For Class 52 Rating, Deduct	*-589.69*	
		For Class 54 Rating, Add	*822.22*	
		For Class 55 Rating, Add	*1,231.65*	
		For Class 56 Rating, Add	*1,635.73*	
40 05 19 00-2394	EA	20" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,363.55	999.10
		For Class 52 Rating, Deduct	*-643.47*	
		For Class 54 Rating, Add	*895.63*	
		For Class 55 Rating, Add	*1,340.83*	
		For Class 56 Rating, Add	*1,780.18*	
40 05 19 00-2395	EA	20" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,858.56	1,003.13
		For Class 52 Rating, Deduct	*-697.25*	
		For Class 54 Rating, Add	*969.04*	
		For Class 55 Rating, Add	*1,450.00*	
		For Class 56 Rating, Add	*1,924.62*	
40 05 19 00-2396	EA	20" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,353.58	1,007.16
		For Class 52 Rating, Deduct	*-751.03*	
		For Class 54 Rating, Add	*1,042.45*	
		For Class 55 Rating, Add	*1,559.17*	
		For Class 56 Rating, Add	*2,069.07*	
40 05 19 00-2397	EA	20" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,848.59	1,011.19
		For Class 52 Rating, Deduct	*-804.81*	
		For Class 54 Rating, Add	*1,115.86*	
		For Class 55 Rating, Add	*1,668.35*	
		For Class 56 Rating, Add	*2,213.52*	
40 05 19 00-2398	EA	20" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,343.60	1,015.21
		For Class 52 Rating, Deduct	*-858.59*	
		For Class 54 Rating, Add	*1,189.27*	
		For Class 55 Rating, Add	*1,777.52*	
		For Class 56 Rating, Add	*2,357.97*	
40 05 19 00-2399	EA	20" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,838.62	1,019.24
		For Class 52 Rating, Deduct	*-912.37*	
		For Class 54 Rating, Add	*1,262.68*	
		For Class 55 Rating, Add	*1,886.69*	
		For Class 56 Rating, Add	*2,502.42*	
40 05 19 00-2400	EA	20" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,333.64	1,023.27
		For Class 52 Rating, Deduct	*-966.15*	
		For Class 54 Rating, Add	*1,336.09*	
		For Class 55 Rating, Add	*1,995.87*	
		For Class 56 Rating, Add	*2,646.87*	
40 05 19 00-2401	EA	20" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,828.64	1,027.30
		For Class 52 Rating, Deduct	*-1,019.93*	
		For Class 54 Rating, Add	*1,409.50*	
		For Class 55 Rating, Add	*2,105.04*	
		For Class 56 Rating, Add	*2,791.31*	
40 05 19 00-2402	EA	20" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,323.66	1,031.33
		For Class 52 Rating, Deduct	*-1,073.71*	
		For Class 54 Rating, Add	*1,482.91*	
		For Class 55 Rating, Add	*2,214.21*	
		For Class 56 Rating, Add	*2,935.76*	
40 05 19 00-2403	EA	20" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,818.68	1,035.36
		For Class 52 Rating, Deduct	*-1,127.49*	
		For Class 54 Rating, Add	*1,556.32*	
		For Class 55 Rating, Add	*2,323.39*	
		For Class 56 Rating, Add	*3,080.21*	
40 05 19 00-2404	EA	20" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,313.68	1,039.39
		For Class 52 Rating, Deduct	*-1,181.27*	
		For Class 54 Rating, Add	*1,629.73*	
		For Class 55 Rating, Add	*2,432.56*	
		For Class 56 Rating, Add	*3,224.65*	
40 05 19 00-2405	EA	20" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,808.69	1,043.42
		For Class 52 Rating, Deduct	*-1,235.05*	
		For Class 54 Rating, Add	*1,703.14*	
		For Class 55 Rating, Add	*2,541.73*	
		For Class 56 Rating, Add	*3,369.10*	
40 05 19 00-2406	EA	20" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,303.71	1,047.44
		For Class 52 Rating, Deduct	*-1,288.83*	
		For Class 54 Rating, Add	*1,776.54*	
		For Class 55 Rating, Add	*2,650.91*	
		For Class 56 Rating, Add	*3,513.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2407	EA	20" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,798.72	1,051.47
		For Class 52 Rating, Deduct	*-1,342.61*	
		For Class 54 Rating, Add	*1,849.95*	
		For Class 55 Rating, Add	*2,760.08*	
		For Class 56 Rating, Add	*3,658.00*	
40 05 19 00-2408	EA	20" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,293.74	1,055.50
		For Class 52 Rating, Deduct	*-1,396.39*	
		For Class 54 Rating, Add	*1,923.36*	
		For Class 55 Rating, Add	*2,869.25*	
		For Class 56 Rating, Add	*3,802.45*	
40 05 19 00-2409	EA	20" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,788.74	1,059.53
		For Class 52 Rating, Deduct	*-1,450.17*	
		For Class 54 Rating, Add	*1,996.77*	
		For Class 55 Rating, Add	*2,978.43*	
		For Class 56 Rating, Add	*3,946.90*	
40 05 19 00-2410	EA	20" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,283.76	1,063.55
		For Class 52 Rating, Deduct	*-1,503.95*	
		For Class 54 Rating, Add	*2,070.18*	
		For Class 55 Rating, Add	*3,087.60*	
		For Class 56 Rating, Add	*4,091.34*	
40 05 19 00-2411	EA	20" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,778.78	1,067.59
		For Class 52 Rating, Deduct	*-1,557.73*	
		For Class 54 Rating, Add	*2,143.59*	
		For Class 55 Rating, Add	*3,196.77*	
		For Class 56 Rating, Add	*4,235.79*	
40 05 19 00-2412	EA	20" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,273.79	1,071.62
		For Class 52 Rating, Deduct	*-1,611.51*	
		For Class 54 Rating, Add	*2,217.00*	
		For Class 55 Rating, Add	*3,305.95*	
		For Class 56 Rating, Add	*4,380.24*	
40 05 19 00-2413	EA	20" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,768.80	1,075.65
		For Class 52 Rating, Deduct	*-1,665.29*	
		For Class 54 Rating, Add	*2,290.41*	
		For Class 55 Rating, Add	*3,415.12*	
		For Class 56 Rating, Add	*4,524.69*	
40 05 19 00-2414	EA	20" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,263.82	1,079.67
		For Class 52 Rating, Deduct	*-1,719.07*	
		For Class 54 Rating, Add	*2,363.82*	
		For Class 55 Rating, Add	*3,524.29*	
		For Class 56 Rating, Add	*4,669.14*	
40 05 19 00-2415	EA	20" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,758.83	1,083.70
		For Class 52 Rating, Deduct	*-1,772.85*	
		For Class 54 Rating, Add	*2,437.23*	
		For Class 55 Rating, Add	*3,633.47*	
		For Class 56 Rating, Add	*4,813.58*	
40 05 19 00-2416	EA	20" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,253.85	1,087.73
		For Class 52 Rating, Deduct	*-1,826.63*	
		For Class 54 Rating, Add	*2,510.64*	
		For Class 55 Rating, Add	*3,742.64*	
		For Class 56 Rating, Add	*4,958.03*	
40 05 19 00-2417	EA	20" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,748.86	1,091.76
		For Class 52 Rating, Deduct	*-1,880.41*	
		For Class 54 Rating, Add	*2,584.05*	
		For Class 55 Rating, Add	*3,851.81*	
		For Class 56 Rating, Add	*5,102.48*	
40 05 19 00-2418	EA	20" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,243.87	1,095.78
		For Class 52 Rating, Deduct	*-1,934.19*	
		For Class 54 Rating, Add	*2,657.46*	
		For Class 55 Rating, Add	*3,960.99*	
		For Class 56 Rating, Add	*5,246.93*	
40 05 19 00-2419	EA	20" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,738.89	1,099.81
		For Class 52 Rating, Deduct	*-1,987.98*	
		For Class 54 Rating, Add	*2,730.87*	
		For Class 55 Rating, Add	*4,070.16*	
		For Class 56 Rating, Add	*5,391.38*	
40 05 19 00-2420	EA	20" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,233.91	1,103.85
		For Class 52 Rating, Deduct	*-2,041.76*	
		For Class 54 Rating, Add	*2,804.28*	
		For Class 55 Rating, Add	*4,179.33*	
		For Class 56 Rating, Add	*5,535.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2421	EA	20" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,728.91	1,107.88
		For Class 52 Rating, Deduct	*-2,095.54*	
		For Class 54 Rating, Add	*2,877.69*	
		For Class 55 Rating, Add	*4,288.51*	
		For Class 56 Rating, Add	*5,680.27*	
40 05 19 00-2422	EA	20" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,223.93	1,111.90
		For Class 52 Rating, Deduct	*-2,149.32*	
		For Class 54 Rating, Add	*2,951.10*	
		For Class 55 Rating, Add	*4,397.68*	
		For Class 56 Rating, Add	*5,824.72*	
40 05 19 00-2423	EA	20" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,718.95	1,115.93
		For Class 52 Rating, Deduct	*-2,203.10*	
		For Class 54 Rating, Add	*3,024.51*	
		For Class 55 Rating, Add	*4,506.85*	
		For Class 56 Rating, Add	*5,969.17*	
40 05 19 00-2424	EA	20" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,213.96	1,119.96
		For Class 52 Rating, Deduct	*-2,256.88*	
		For Class 54 Rating, Add	*3,097.92*	
		For Class 55 Rating, Add	*4,616.03*	
		For Class 56 Rating, Add	*6,113.62*	
40 05 19 00-2425	EA	20" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,708.96	1,123.99
		For Class 52 Rating, Deduct	*-2,310.65*	
		For Class 54 Rating, Add	*3,171.33*	
		For Class 55 Rating, Add	*4,725.20*	
		For Class 56 Rating, Add	*6,258.06*	
40 05 19 00-2426	EA	20" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,203.97	1,128.01
		For Class 52 Rating, Deduct	*-2,364.43*	
		For Class 54 Rating, Add	*3,244.74*	
		For Class 55 Rating, Add	*4,834.37*	
		For Class 56 Rating, Add	*6,402.51*	
40 05 19 00-2427	EA	20" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,698.99	1,132.04
		For Class 52 Rating, Deduct	*-2,418.21*	
		For Class 54 Rating, Add	*3,318.15*	
		For Class 55 Rating, Add	*4,943.55*	
		For Class 56 Rating, Add	*6,546.96*	
40 05 19 00-2428	EA	20" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,194.01	1,136.07
		For Class 52 Rating, Deduct	*-2,471.99*	
		For Class 54 Rating, Add	*3,391.56*	
		For Class 55 Rating, Add	*5,052.72*	
		For Class 56 Rating, Add	*6,691.41*	
40 05 19 00-2429	EA	20" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,689.01	1,140.10
		For Class 52 Rating, Deduct	*-2,525.77*	
		For Class 54 Rating, Add	*3,464.97*	
		For Class 55 Rating, Add	*5,161.89*	
		For Class 56 Rating, Add	*6,835.86*	
40 05 19 00-2430	EA	20" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,184.03	1,144.13
		For Class 52 Rating, Deduct	*-2,579.56*	
		For Class 54 Rating, Add	*3,538.38*	
		For Class 55 Rating, Add	*5,271.07*	
		For Class 56 Rating, Add	*6,980.30*	

40 05 19 00-2431 24" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

40 05 19 00-2432	EA	24" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,472.70	1,176.36
		For Class 52 Rating, Deduct	*-735.94*	
		For Class 54 Rating, Add	*1,024.94*	
		For Class 55 Rating, Add	*1,534.72*	
		For Class 56 Rating, Add	*2,037.82*	
40 05 19 00-2433	EA	24" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,084.94	1,180.39
		For Class 52 Rating, Deduct	*-802.61*	
		For Class 54 Rating, Add	*1,115.93*	
		For Class 55 Rating, Add	*1,670.04*	
		For Class 56 Rating, Add	*2,216.84*	
40 05 19 00-2434	EA	24" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,697.19	1,184.42
		For Class 52 Rating, Deduct	*-869.29*	
		For Class 54 Rating, Add	*1,206.93*	
		For Class 55 Rating, Add	*1,805.35*	
		For Class 56 Rating, Add	*2,395.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2435	EA	24" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,309.41	1,188.45
		For Class 52 Rating, Deduct	*-935.96*	
		For Class 54 Rating, Add	*1,297.92*	
		For Class 55 Rating, Add	*1,940.67*	
		For Class 56 Rating, Add	*2,574.90*	
40 05 19 00-2436	EA	24" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,921.65	1,192.48
		For Class 52 Rating, Deduct	*-1,002.64*	
		For Class 54 Rating, Add	*1,388.91*	
		For Class 55 Rating, Add	*2,075.98*	
		For Class 56 Rating, Add	*2,753.93*	
40 05 19 00-2437	EA	24" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,533.89	1,196.50
		For Class 52 Rating, Deduct	*-1,069.31*	
		For Class 54 Rating, Add	*1,479.91*	
		For Class 55 Rating, Add	*2,211.29*	
		For Class 56 Rating, Add	*2,932.96*	
40 05 19 00-2438	EA	24" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,146.13	1,200.53
		For Class 52 Rating, Deduct	*-1,135.99*	
		For Class 54 Rating, Add	*1,570.90*	
		For Class 55 Rating, Add	*2,346.61*	
		For Class 56 Rating, Add	*3,111.99*	
40 05 19 00-2439	EA	24" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,758.36	1,204.56
		For Class 52 Rating, Deduct	*-1,202.66*	
		For Class 54 Rating, Add	*1,661.89*	
		For Class 55 Rating, Add	*2,481.92*	
		For Class 56 Rating, Add	*3,291.02*	
40 05 19 00-2440	EA	24" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,370.60	1,208.59
		For Class 52 Rating, Deduct	*-1,269.34*	
		For Class 54 Rating, Add	*1,752.89*	
		For Class 55 Rating, Add	*2,617.24*	
		For Class 56 Rating, Add	*3,470.05*	
40 05 19 00-2441	EA	24" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,982.84	1,212.61
		For Class 52 Rating, Deduct	*-1,336.01*	
		For Class 54 Rating, Add	*1,843.88*	
		For Class 55 Rating, Add	*2,752.55*	
		For Class 56 Rating, Add	*3,649.08*	
40 05 19 00-2442	EA	24" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,595.09	1,216.65
		For Class 52 Rating, Deduct	*-1,402.68*	
		For Class 54 Rating, Add	*1,934.87*	
		For Class 55 Rating, Add	*2,887.87*	
		For Class 56 Rating, Add	*3,828.11*	
40 05 19 00-2443	EA	24" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,207.31	1,220.68
		For Class 52 Rating, Deduct	*-1,469.36*	
		For Class 54 Rating, Add	*2,025.87*	
		For Class 55 Rating, Add	*3,023.18*	
		For Class 56 Rating, Add	*4,007.14*	
40 05 19 00-2444	EA	24" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,819.55	1,224.71
		For Class 52 Rating, Deduct	*-1,536.03*	
		For Class 54 Rating, Add	*2,116.86*	
		For Class 55 Rating, Add	*3,158.49*	
		For Class 56 Rating, Add	*4,186.16*	
40 05 19 00-2445	EA	24" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,431.80	1,228.73
		For Class 52 Rating, Deduct	*-1,602.71*	
		For Class 54 Rating, Add	*2,207.85*	
		For Class 55 Rating, Add	*3,293.81*	
		For Class 56 Rating, Add	*4,365.20*	
40 05 19 00-2446	EA	24" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,044.03	1,232.76
		For Class 52 Rating, Deduct	*-1,669.38*	
		For Class 54 Rating, Add	*2,298.85*	
		For Class 55 Rating, Add	*3,429.12*	
		For Class 56 Rating, Add	*4,544.22*	
40 05 19 00-2447	EA	24" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,656.26	1,236.79
		For Class 52 Rating, Deduct	*-1,736.06*	
		For Class 54 Rating, Add	*2,389.84*	
		For Class 55 Rating, Add	*3,564.44*	
		For Class 56 Rating, Add	*4,723.25*	
40 05 19 00-2448	EA	24" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,268.51	1,240.82
		For Class 52 Rating, Deduct	*-1,802.73*	
		For Class 54 Rating, Add	*2,480.83*	
		For Class 55 Rating, Add	*3,699.75*	
		For Class 56 Rating, Add	*4,902.28*	

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LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2449	EA	24" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,880.74	1,244.84
		For Class 52 Rating, Deduct	*-1,869.41*	
		For Class 54 Rating, Add	*2,571.83*	
		For Class 55 Rating, Add	*3,835.07*	
		For Class 56 Rating, Add	*5,081.31*	
40 05 19 00-2450	EA	24" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,492.98	1,248.87
		For Class 52 Rating, Deduct	*-1,936.08*	
		For Class 54 Rating, Add	*2,662.82*	
		For Class 55 Rating, Add	*3,970.38*	
		For Class 56 Rating, Add	*5,260.34*	
40 05 19 00-2451	EA	24" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,105.22	1,252.91
		For Class 52 Rating, Deduct	*-2,002.76*	
		For Class 54 Rating, Add	*2,753.81*	
		For Class 55 Rating, Add	*4,105.69*	
		For Class 56 Rating, Add	*5,439.37*	
40 05 19 00-2452	EA	24" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,717.45	1,256.94
		For Class 52 Rating, Deduct	*-2,069.43*	
		For Class 54 Rating, Add	*2,844.80*	
		For Class 55 Rating, Add	*4,241.01*	
		For Class 56 Rating, Add	*5,618.40*	
40 05 19 00-2453	EA	24" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,329.69	1,260.96
		For Class 52 Rating, Deduct	*-2,136.11*	
		For Class 54 Rating, Add	*2,935.80*	
		For Class 55 Rating, Add	*4,376.32*	
		For Class 56 Rating, Add	*5,797.43*	
40 05 19 00-2454	EA	24" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,941.94	1,264.99
		For Class 52 Rating, Deduct	*-2,202.78*	
		For Class 54 Rating, Add	*3,026.79*	
		For Class 55 Rating, Add	*4,511.64*	
		For Class 56 Rating, Add	*5,976.46*	
40 05 19 00-2455	EA	24" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,554.16	1,269.02
		For Class 52 Rating, Deduct	*-2,269.46*	
		For Class 54 Rating, Add	*3,117.78*	
		For Class 55 Rating, Add	*4,646.95*	
		For Class 56 Rating, Add	*6,155.48*	
40 05 19 00-2456	EA	24" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,166.40	1,273.05
		For Class 52 Rating, Deduct	*-2,336.13*	
		For Class 54 Rating, Add	*3,208.78*	
		For Class 55 Rating, Add	*4,782.26*	
		For Class 56 Rating, Add	*6,334.51*	
40 05 19 00-2457	EA	24" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,778.64	1,277.07
		For Class 52 Rating, Deduct	*-2,402.80*	
		For Class 54 Rating, Add	*3,299.77*	
		For Class 55 Rating, Add	*4,917.58*	
		For Class 56 Rating, Add	*6,513.54*	
40 05 19 00-2458	EA	24" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,390.88	1,281.10
		For Class 52 Rating, Deduct	*-2,469.48*	
		For Class 54 Rating, Add	*3,390.76*	
		For Class 55 Rating, Add	*5,052.89*	
		For Class 56 Rating, Add	*6,692.57*	
40 05 19 00-2459	EA	24" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,003.11	1,285.13
		For Class 52 Rating, Deduct	*-2,536.15*	
		For Class 54 Rating, Add	*3,481.76*	
		For Class 55 Rating, Add	*5,188.21*	
		For Class 56 Rating, Add	*6,871.60*	
40 05 19 00-2460	EA	24" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,615.35	1,289.16
		For Class 52 Rating, Deduct	*-2,602.83*	
		For Class 54 Rating, Add	*3,572.75*	
		For Class 55 Rating, Add	*5,323.52*	
		For Class 56 Rating, Add	*7,050.63*	
40 05 19 00-2461	EA	24" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,331.36	1,361.67
		For Class 52 Rating, Deduct	*-2,669.50*	
		For Class 54 Rating, Add	*3,664.99*	
		For Class 55 Rating, Add	*5,461.33*	
		For Class 56 Rating, Add	*7,233.40*	
40 05 19 00-2462	EA	24" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,943.59	1,365.71
		For Class 52 Rating, Deduct	*-2,736.18*	
		For Class 54 Rating, Add	*3,755.98*	
		For Class 55 Rating, Add	*5,596.64*	
		For Class 56 Rating, Add	*7,412.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2463	EA	24" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,555.83	1,369.74
		For Class 52 Rating, Deduct	*-2,802.85*	
		For Class 54 Rating, Add	*3,846.98*	
		For Class 55 Rating, Add	*5,731.96*	
		For Class 56 Rating, Add	*7,591.45*	
40 05 19 00-2464	EA	24" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,168.07	1,373.77
		For Class 52 Rating, Deduct	*-2,869.53*	
		For Class 54 Rating, Add	*3,937.97*	
		For Class 55 Rating, Add	*5,867.27*	
		For Class 56 Rating, Add	*7,770.48*	
40 05 19 00-2465	EA	24" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,780.31	1,377.79
		For Class 52 Rating, Deduct	*-2,936.20*	
		For Class 54 Rating, Add	*4,028.96*	
		For Class 55 Rating, Add	*6,002.58*	
		For Class 56 Rating, Add	*7,949.51*	
40 05 19 00-2466	EA	24" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,392.54	1,381.82
		For Class 52 Rating, Deduct	*-3,002.88*	
		For Class 54 Rating, Add	*4,119.96*	
		For Class 55 Rating, Add	*6,137.90*	
		For Class 56 Rating, Add	*8,128.54*	
40 05 19 00-2467	EA	24" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,004.78	1,385.85
		For Class 52 Rating, Deduct	*-3,069.55*	
		For Class 54 Rating, Add	*4,210.95*	
		For Class 55 Rating, Add	*6,273.21*	
		For Class 56 Rating, Add	*8,307.57*	
40 05 19 00-2468	EA	24" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,617.02	1,389.88
		For Class 52 Rating, Deduct	*-3,136.23*	
		For Class 54 Rating, Add	*4,301.94*	
		For Class 55 Rating, Add	*6,408.53*	
		For Class 56 Rating, Add	*8,486.60*	
40 05 19 00-2469	EA	24" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,229.26	1,393.90
		For Class 52 Rating, Deduct	*-3,202.90*	
		For Class 54 Rating, Add	*4,392.94*	
		For Class 55 Rating, Add	*6,543.84*	
		For Class 56 Rating, Add	*8,665.63*	

40 05 19 00-2470 30" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

40 05 19 00-2471	EA	30" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,105.02	1,659.79
		For Class 52 Rating, Deduct	*-1,164.92*	
		For Class 54 Rating, Add	*1,618.71*	
		For Class 55 Rating, Add	*2,421.97*	
		For Class 56 Rating, Add	*3,214.64*	
40 05 19 00-2472	EA	30" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,980.30	1,663.83
		For Class 52 Rating, Deduct	*-1,260.53*	
		For Class 54 Rating, Add	*1,749.15*	
		For Class 55 Rating, Add	*2,615.94*	
		For Class 56 Rating, Add	*3,471.26*	
40 05 19 00-2473	EA	30" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,855.58	1,667.86
		For Class 52 Rating, Deduct	*-1,356.14*	
		For Class 54 Rating, Add	*1,879.60*	
		For Class 55 Rating, Add	*2,809.91*	
		For Class 56 Rating, Add	*3,727.89*	
40 05 19 00-2474	EA	30" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,730.85	1,671.88
		For Class 52 Rating, Deduct	*-1,451.75*	
		For Class 54 Rating, Add	*2,010.05*	
		For Class 55 Rating, Add	*3,003.88*	
		For Class 56 Rating, Add	*3,984.51*	
40 05 19 00-2475	EA	30" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,606.13	1,675.91
		For Class 52 Rating, Deduct	*-1,547.36*	
		For Class 54 Rating, Add	*2,140.50*	
		For Class 55 Rating, Add	*3,197.85*	
		For Class 56 Rating, Add	*4,241.14*	
40 05 19 00-2476	EA	30" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,481.40	1,679.94
		For Class 52 Rating, Deduct	*-1,642.96*	
		For Class 54 Rating, Add	*2,270.95*	
		For Class 55 Rating, Add	*3,391.83*	
		For Class 56 Rating, Add	*4,497.76*	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2477	EA	30" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,356.69	1,683.97
		For Class 52 Rating, Deduct	*-1,738.57*	
		For Class 54 Rating, Add	*2,401.40*	
		For Class 55 Rating, Add	*3,585.80*	
		For Class 56 Rating, Add	*4,754.39*	
40 05 19 00-2478	EA	30" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,231.96	1,687.99
		For Class 52 Rating, Deduct	*-1,834.18*	
		For Class 54 Rating, Add	*2,531.85*	
		For Class 55 Rating, Add	*3,779.77*	
		For Class 56 Rating, Add	*5,011.02*	
40 05 19 00-2479	EA	30" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,107.23	1,692.02
		For Class 52 Rating, Deduct	*-1,929.79*	
		For Class 54 Rating, Add	*2,662.30*	
		For Class 55 Rating, Add	*3,973.74*	
		For Class 56 Rating, Add	*5,267.64*	
40 05 19 00-2480	EA	30" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,982.51	1,696.05
		For Class 52 Rating, Deduct	*-2,025.40*	
		For Class 54 Rating, Add	*2,792.75*	
		For Class 55 Rating, Add	*4,167.71*	
		For Class 56 Rating, Add	*5,524.27*	
40 05 19 00-2481	EA	30" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,857.80	1,700.08
		For Class 52 Rating, Deduct	*-2,121.01*	
		For Class 54 Rating, Add	*2,923.20*	
		For Class 55 Rating, Add	*4,361.69*	
		For Class 56 Rating, Add	*5,780.90*	
40 05 19 00-2482	EA	30" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,733.06	1,704.11
		For Class 52 Rating, Deduct	*-2,216.62*	
		For Class 54 Rating, Add	*3,053.65*	
		For Class 55 Rating, Add	*4,555.66*	
		For Class 56 Rating, Add	*6,037.52*	
40 05 19 00-2483	EA	30" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,608.34	1,708.14
		For Class 52 Rating, Deduct	*-2,312.23*	
		For Class 54 Rating, Add	*3,184.09*	
		For Class 55 Rating, Add	*4,749.63*	
		For Class 56 Rating, Add	*6,294.14*	
40 05 19 00-2484	EA	30" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,483.61	1,712.17
		For Class 52 Rating, Deduct	*-2,407.84*	
		For Class 54 Rating, Add	*3,314.54*	
		For Class 55 Rating, Add	*4,943.60*	
		For Class 56 Rating, Add	*6,550.77*	
40 05 19 00-2485	EA	30" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,358.90	1,716.20
		For Class 52 Rating, Deduct	*-2,503.45*	
		For Class 54 Rating, Add	*3,444.99*	
		For Class 55 Rating, Add	*5,137.58*	
		For Class 56 Rating, Add	*6,807.40*	
40 05 19 00-2486	EA	30" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,234.17	1,720.22
		For Class 52 Rating, Deduct	*-2,599.05*	
		For Class 54 Rating, Add	*3,575.44*	
		For Class 55 Rating, Add	*5,331.55*	
		For Class 56 Rating, Add	*7,064.02*	
40 05 19 00-2487	EA	30" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,109.44	1,724.25
		For Class 52 Rating, Deduct	*-2,694.66*	
		For Class 54 Rating, Add	*3,705.89*	
		For Class 55 Rating, Add	*5,525.52*	
		For Class 56 Rating, Add	*7,320.65*	
40 05 19 00-2488	EA	30" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,984.72	1,728.28
		For Class 52 Rating, Deduct	*-2,790.27*	
		For Class 54 Rating, Add	*3,836.34*	
		For Class 55 Rating, Add	*5,719.49*	
		For Class 56 Rating, Add	*7,577.27*	
40 05 19 00-2489	EA	30" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,860.01	1,732.31
		For Class 52 Rating, Deduct	*-2,885.88*	
		For Class 54 Rating, Add	*3,966.79*	
		For Class 55 Rating, Add	*5,913.46*	
		For Class 56 Rating, Add	*7,833.90*	
40 05 19 00-2490	EA	30" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,735.27	1,736.34
		For Class 52 Rating, Deduct	*-2,981.49*	
		For Class 54 Rating, Add	*4,097.24*	
		For Class 55 Rating, Add	*6,107.43*	
		For Class 56 Rating, Add	*8,090.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2491	EA	30" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,610.55	1,740.37
		For Class 52 Rating, Deduct	*-3,077.10*	
		For Class 54 Rating, Add	*4,227.69*	
		For Class 55 Rating, Add	*6,301.41*	
		For Class 56 Rating, Add	*8,347.15*	
40 05 19 00-2492	EA	30" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,485.83	1,744.40
		For Class 52 Rating, Deduct	*-3,172.71*	
		For Class 54 Rating, Add	*4,358.14*	
		For Class 55 Rating, Add	*6,495.38*	
		For Class 56 Rating, Add	*8,603.78*	
40 05 19 00-2493	EA	30" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,361.11	1,748.43
		For Class 52 Rating, Deduct	*-3,268.32*	
		For Class 54 Rating, Add	*4,488.59*	
		For Class 55 Rating, Add	*6,689.35*	
		For Class 56 Rating, Add	*8,860.40*	
40 05 19 00-2494	EA	30" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,236.38	1,752.46
		For Class 52 Rating, Deduct	*-3,363.93*	
		For Class 54 Rating, Add	*4,619.04*	
		For Class 55 Rating, Add	*6,883.32*	
		For Class 56 Rating, Add	*9,117.03*	
40 05 19 00-2495	EA	30" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,111.66	1,756.48
		For Class 52 Rating, Deduct	*-3,459.54*	
		For Class 54 Rating, Add	*4,749.48*	
		For Class 55 Rating, Add	*7,077.29*	
		For Class 56 Rating, Add	*9,373.65*	
40 05 19 00-2496	EA	30" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,986.93	1,760.51
		For Class 52 Rating, Deduct	*-3,555.14*	
		For Class 54 Rating, Add	*4,879.93*	
		For Class 55 Rating, Add	*7,271.26*	
		For Class 56 Rating, Add	*9,630.28*	
40 05 19 00-2497	EA	30" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,862.21	1,764.54
		For Class 52 Rating, Deduct	*-3,650.75*	
		For Class 54 Rating, Add	*5,010.38*	
		For Class 55 Rating, Add	*7,465.24*	
		For Class 56 Rating, Add	*9,886.90*	
40 05 19 00-2498	EA	30" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,737.49	1,768.57
		For Class 52 Rating, Deduct	*-3,746.36*	
		For Class 54 Rating, Add	*5,140.83*	
		For Class 55 Rating, Add	*7,659.21*	
		For Class 56 Rating, Add	*10,143.53*	
40 05 19 00-2499	EA	30" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,612.76	1,772.59
		For Class 52 Rating, Deduct	*-3,841.97*	
		For Class 54 Rating, Add	*5,271.28*	
		For Class 55 Rating, Add	*7,853.18*	
		For Class 56 Rating, Add	*10,400.15*	
40 05 19 00-2500	EA	30" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	38,488.04	1,776.63
		For Class 52 Rating, Deduct	*-3,937.58*	
		For Class 54 Rating, Add	*5,401.73*	
		For Class 55 Rating, Add	*8,047.15*	
		For Class 56 Rating, Add	*10,656.78*	
40 05 19 00-2501	EA	30" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,363.31	1,780.66
		For Class 52 Rating, Deduct	*-4,033.19*	
		For Class 54 Rating, Add	*5,532.18*	
		For Class 55 Rating, Add	*8,241.12*	
		For Class 56 Rating, Add	*10,913.40*	
40 05 19 00-2502	EA	30" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,238.59	1,784.69
		For Class 52 Rating, Deduct	*-4,128.80*	
		For Class 54 Rating, Add	*5,662.63*	
		For Class 55 Rating, Add	*8,435.10*	
		For Class 56 Rating, Add	*11,170.03*	
40 05 19 00-2503	EA	30" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,113.87	1,788.71
		For Class 52 Rating, Deduct	*-4,224.41*	
		For Class 54 Rating, Add	*5,793.08*	
		For Class 55 Rating, Add	*8,629.07*	
		For Class 56 Rating, Add	*11,426.66*	
40 05 19 00-2504	EA	30" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,989.14	1,792.74
		For Class 52 Rating, Deduct	*-4,320.02*	
		For Class 54 Rating, Add	*5,923.53*	
		For Class 55 Rating, Add	*8,823.04*	
		For Class 56 Rating, Add	*11,683.28*	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2505	EA	30" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	42,864.42	1,796.77
		For Class 52 Rating, Deduct	*-4,415.62*	
		For Class 54 Rating, Add	*6,053.97*	
		For Class 55 Rating, Add	*9,017.01*	
		For Class 56 Rating, Add	*11,939.91*	
40 05 19 00-2506		**36" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe** *(40 05 19 00-2074)*		
40 05 19 00-2507	EA	36" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,285.29	2,102.94
		For Class 52 Rating, Deduct	*-1,660.89*	
		For Class 54 Rating, Add	*2,303.09*	
		For Class 55 Rating, Add	*3,443.55*	
		For Class 56 Rating, Add	*4,568.91*	
40 05 19 00-2508	EA	36" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,457.91	2,106.97
		For Class 52 Rating, Deduct	*-1,789.21*	
		For Class 54 Rating, Add	*2,478.14*	
		For Class 55 Rating, Add	*3,703.83*	
		For Class 56 Rating, Add	*4,913.26*	
40 05 19 00-2509	EA	36" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,630.54	2,111.00
		For Class 52 Rating, Deduct	*-1,917.53*	
		For Class 54 Rating, Add	*2,653.19*	
		For Class 55 Rating, Add	*3,964.11*	
		For Class 56 Rating, Add	*5,257.60*	
40 05 19 00-2510	EA	36" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,803.17	2,115.04
		For Class 52 Rating, Deduct	*-2,045.84*	
		For Class 54 Rating, Add	*2,828.24*	
		For Class 55 Rating, Add	*4,224.39*	
		For Class 56 Rating, Add	*5,601.95*	
40 05 19 00-2511	EA	36" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,975.80	2,119.06
		For Class 52 Rating, Deduct	*-2,174.16*	
		For Class 54 Rating, Add	*3,003.29*	
		For Class 55 Rating, Add	*4,484.67*	
		For Class 56 Rating, Add	*5,946.29*	
40 05 19 00-2512	EA	36" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,148.42	2,123.09
		For Class 52 Rating, Deduct	*-2,302.48*	
		For Class 54 Rating, Add	*3,178.34*	
		For Class 55 Rating, Add	*4,744.95*	
		For Class 56 Rating, Add	*6,290.63*	
40 05 19 00-2513	EA	36" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,321.04	2,127.12
		For Class 52 Rating, Deduct	*-2,430.80*	
		For Class 54 Rating, Add	*3,353.40*	
		For Class 55 Rating, Add	*5,005.23*	
		For Class 56 Rating, Add	*6,634.98*	
40 05 19 00-2514	EA	36" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,493.67	2,131.15
		For Class 52 Rating, Deduct	*-2,559.11*	
		For Class 54 Rating, Add	*3,528.45*	
		For Class 55 Rating, Add	*5,265.52*	
		For Class 56 Rating, Add	*6,979.32*	
40 05 19 00-2515	EA	36" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,666.30	2,135.17
		For Class 52 Rating, Deduct	*-2,687.43*	
		For Class 54 Rating, Add	*3,703.50*	
		For Class 55 Rating, Add	*5,525.80*	
		For Class 56 Rating, Add	*7,323.66*	
40 05 19 00-2516	EA	36" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,838.91	2,139.20
		For Class 52 Rating, Deduct	*-2,815.75*	
		For Class 54 Rating, Add	*3,878.55*	
		For Class 55 Rating, Add	*5,786.08*	
		For Class 56 Rating, Add	*7,668.01*	
40 05 19 00-2517	EA	36" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,011.54	2,143.23
		For Class 52 Rating, Deduct	*-2,944.06*	
		For Class 54 Rating, Add	*4,053.60*	
		For Class 55 Rating, Add	*6,046.36*	
		For Class 56 Rating, Add	*8,012.35*	
40 05 19 00-2518	EA	36" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,184.16	2,147.26
		For Class 52 Rating, Deduct	*-3,072.38*	
		For Class 54 Rating, Add	*4,228.65*	
		For Class 55 Rating, Add	*6,306.64*	
		For Class 56 Rating, Add	*8,356.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2519	EA	36" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,356.79	2,151.29
		For Class 52 Rating, Deduct	*-3,200.70*	
		For Class 54 Rating, Add	*4,403.70*	
		For Class 55 Rating, Add	*6,566.92*	
		For Class 56 Rating, Add	*8,701.03*	
40 05 19 00-2520	EA	36" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,529.42	2,155.32
		For Class 52 Rating, Deduct	*-3,329.02*	
		For Class 54 Rating, Add	*4,578.76*	
		For Class 55 Rating, Add	*6,827.20*	
		For Class 56 Rating, Add	*9,045.38*	
40 05 19 00-2521	EA	36" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,702.04	2,159.35
		For Class 52 Rating, Deduct	*-3,457.33*	
		For Class 54 Rating, Add	*4,753.81*	
		For Class 55 Rating, Add	*7,087.48*	
		For Class 56 Rating, Add	*9,389.72*	
40 05 19 00-2522	EA	36" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,874.67	2,163.38
		For Class 52 Rating, Deduct	*-3,585.65*	
		For Class 54 Rating, Add	*4,928.86*	
		For Class 55 Rating, Add	*7,347.76*	
		For Class 56 Rating, Add	*9,734.07*	
40 05 19 00-2523	EA	36" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,047.30	2,167.40
		For Class 52 Rating, Deduct	*-3,713.97*	
		For Class 54 Rating, Add	*5,103.91*	
		For Class 55 Rating, Add	*7,608.04*	
		For Class 56 Rating, Add	*10,078.41*	
40 05 19 00-2524	EA	36" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	38,219.91	2,171.43
		For Class 52 Rating, Deduct	*-3,842.29*	
		For Class 54 Rating, Add	*5,278.96*	
		For Class 55 Rating, Add	*7,868.32*	
		For Class 56 Rating, Add	*10,422.75*	
40 05 19 00-2525	EA	36" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,392.54	2,175.46
		For Class 52 Rating, Deduct	*-3,970.60*	
		For Class 54 Rating, Add	*5,454.01*	
		For Class 55 Rating, Add	*8,128.60*	
		For Class 56 Rating, Add	*10,767.10*	
40 05 19 00-2526	EA	36" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,565.17	2,179.49
		For Class 52 Rating, Deduct	*-4,098.92*	
		For Class 54 Rating, Add	*5,629.06*	
		For Class 55 Rating, Add	*8,388.88*	
		For Class 56 Rating, Add	*11,111.44*	
40 05 19 00-2527	EA	36" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,737.79	2,183.51
		For Class 52 Rating, Deduct	*-4,227.24*	
		For Class 54 Rating, Add	*5,804.11*	
		For Class 55 Rating, Add	*8,649.16*	
		For Class 56 Rating, Add	*11,455.78*	
40 05 19 00-2528	EA	36" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	42,910.41	2,187.55
		For Class 52 Rating, Deduct	*-4,355.55*	
		For Class 54 Rating, Add	*5,979.17*	
		For Class 55 Rating, Add	*8,909.44*	
		For Class 56 Rating, Add	*11,800.13*	
40 05 19 00-2529	EA	36" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	44,083.04	2,191.58
		For Class 52 Rating, Deduct	*-4,483.87*	
		For Class 54 Rating, Add	*6,154.22*	
		For Class 55 Rating, Add	*9,169.72*	
		For Class 56 Rating, Add	*12,144.47*	
40 05 19 00-2530	EA	36" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	45,255.66	2,195.61
		For Class 52 Rating, Deduct	*-4,612.19*	
		For Class 54 Rating, Add	*6,329.27*	
		For Class 55 Rating, Add	*9,430.00*	
		For Class 56 Rating, Add	*12,488.81*	
40 05 19 00-2531	EA	36" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	46,428.30	2,199.63
		For Class 52 Rating, Deduct	*-4,740.51*	
		For Class 54 Rating, Add	*6,504.32*	
		For Class 55 Rating, Add	*9,690.29*	
		For Class 56 Rating, Add	*12,833.16*	
40 05 19 00-2532	EA	36" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	47,600.92	2,203.66
		For Class 52 Rating, Deduct	*-4,868.82*	
		For Class 54 Rating, Add	*6,679.37*	
		For Class 55 Rating, Add	*9,950.57*	
		For Class 56 Rating, Add	*13,177.50*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2533	EA	36" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	48,773.54	2,207.69
		For Class 52 Rating, Deduct	*-4,997.14*	
		For Class 54 Rating, Add	*6,854.42*	
		For Class 55 Rating, Add	*10,210.85*	
		For Class 56 Rating, Add	*13,521.84*	
40 05 19 00-2534	EA	36" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	49,946.17	2,211.72
		For Class 52 Rating, Deduct	*-5,125.46*	
		For Class 54 Rating, Add	*7,029.48*	
		For Class 55 Rating, Add	*10,471.13*	
		For Class 56 Rating, Add	*13,866.19*	
40 05 19 00-2535	EA	36" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	51,118.79	2,215.74
		For Class 52 Rating, Deduct	*-5,253.78*	
		For Class 54 Rating, Add	*7,204.53*	
		For Class 55 Rating, Add	*10,731.41*	
		For Class 56 Rating, Add	*14,210.53*	
40 05 19 00-2536	EA	36" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	52,291.41	2,219.77
		For Class 52 Rating, Deduct	*-5,382.09*	
		For Class 54 Rating, Add	*7,379.58*	
		For Class 55 Rating, Add	*10,991.69*	
		For Class 56 Rating, Add	*14,554.87*	
40 05 19 00-2537	EA	36" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	53,464.04	2,223.81
		For Class 52 Rating, Deduct	*-5,510.41*	
		For Class 54 Rating, Add	*7,554.63*	
		For Class 55 Rating, Add	*11,251.97*	
		For Class 56 Rating, Add	*14,899.22*	
40 05 19 00-2538	EA	36" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	54,636.66	2,227.84
		For Class 52 Rating, Deduct	*-5,638.73*	
		For Class 54 Rating, Add	*7,729.68*	
		For Class 55 Rating, Add	*11,512.25*	
		For Class 56 Rating, Add	*15,243.56*	
40 05 19 00-2539	EA	36" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	55,809.29	2,231.86
		For Class 52 Rating, Deduct	*-5,767.04*	
		For Class 54 Rating, Add	*7,904.73*	
		For Class 55 Rating, Add	*11,772.53*	
		For Class 56 Rating, Add	*15,587.90*	
40 05 19 00-2540	EA	36" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	56,981.91	2,235.89
		For Class 52 Rating, Deduct	*-5,895.36*	
		For Class 54 Rating, Add	*8,079.78*	
		For Class 55 Rating, Add	*12,032.81*	
		For Class 56 Rating, Add	*15,932.25*	
40 05 19 00-2541	EA	36" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	58,154.54	2,239.92
		For Class 52 Rating, Deduct	*-6,023.68*	
		For Class 54 Rating, Add	*8,254.84*	
		For Class 55 Rating, Add	*12,293.09*	
		For Class 56 Rating, Add	*16,276.59*	

40 05 19 00-2542 42" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

40 05 19 00-2543	EA	42" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,158.92	2,650.84
		For Class 52 Rating, Deduct	*-2,215.68*	
		For Class 54 Rating, Add	*3,069.57*	
		For Class 55 Rating, Add	*4,588.17*	
		For Class 56 Rating, Add	*6,086.63*	
40 05 19 00-2544	EA	42" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,880.50	2,654.87
		For Class 52 Rating, Deduct	*-2,404.38*	
		For Class 54 Rating, Add	*3,326.97*	
		For Class 55 Rating, Add	*4,970.87*	
		For Class 56 Rating, Add	*6,592.91*	
40 05 19 00-2545	EA	42" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,587.78	2,658.89
		For Class 52 Rating, Deduct	*-2,591.51*	
		For Class 54 Rating, Add	*3,582.22*	
		For Class 55 Rating, Add	*5,350.38*	
		For Class 56 Rating, Add	*7,094.98*	
40 05 19 00-2546	EA	42" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,312.21	2,662.92
		For Class 52 Rating, Deduct	*-2,780.52*	
		For Class 54 Rating, Add	*3,840.04*	
		For Class 55 Rating, Add	*5,733.71*	
		For Class 56 Rating, Add	*7,602.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2547	EA	42" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,025.21	2,666.95
		For Class 52 Rating, Deduct	*-2,968.28*	
		For Class 54 Rating, Add	*4,096.15*	
		For Class 55 Rating, Add	*6,114.49*	
		For Class 56 Rating, Add	*8,105.86*	
40 05 19 00-2548	EA	42" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,755.37	2,670.98
		For Class 52 Rating, Deduct	*-3,157.93*	
		For Class 54 Rating, Add	*4,354.83*	
		For Class 55 Rating, Add	*6,499.10*	
		For Class 56 Rating, Add	*8,614.67*	
40 05 19 00-2549	EA	42" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,468.36	2,675.02
		For Class 52 Rating, Deduct	*-3,345.69*	
		For Class 54 Rating, Add	*4,610.93*	
		For Class 55 Rating, Add	*6,879.89*	
		For Class 56 Rating, Add	*9,118.43*	
40 05 19 00-2550	EA	42" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,201.38	2,679.04
		For Class 52 Rating, Deduct	*-3,535.65*	
		For Class 54 Rating, Add	*4,870.04*	
		For Class 55 Rating, Add	*7,265.14*	
		For Class 56 Rating, Add	*9,628.09*	
40 05 19 00-2551	EA	42" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,920.10	2,683.07
		For Class 52 Rating, Deduct	*-3,724.03*	
		For Class 54 Rating, Add	*5,127.01*	
		For Class 55 Rating, Add	*7,647.20*	
		For Class 56 Rating, Add	*10,133.53*	
40 05 19 00-2552	EA	42" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,653.11	2,687.10
		For Class 52 Rating, Deduct	*-3,913.99*	
		For Class 54 Rating, Add	*5,386.12*	
		For Class 55 Rating, Add	*8,032.44*	
		For Class 56 Rating, Add	*10,643.19*	
40 05 19 00-2553	EA	42" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,371.82	2,691.13
		For Class 52 Rating, Deduct	*-4,102.38*	
		For Class 54 Rating, Add	*5,643.08*	
		For Class 55 Rating, Add	*8,414.50*	
		For Class 56 Rating, Add	*11,148.62*	
40 05 19 00-2554	EA	42" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	43,107.70	2,695.15
		For Class 52 Rating, Deduct	*-4,292.65*	
		For Class 54 Rating, Add	*5,902.62*	
		For Class 55 Rating, Add	*8,800.39*	
		For Class 56 Rating, Add	*11,659.13*	
40 05 19 00-2555	EA	42" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	44,826.41	2,699.18
		For Class 52 Rating, Deduct	*-4,481.04*	
		For Class 54 Rating, Add	*6,159.59*	
		For Class 55 Rating, Add	*9,182.45*	
		For Class 56 Rating, Add	*12,164.57*	
40 05 19 00-2556	EA	42" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	46,550.85	2,703.21
		For Class 52 Rating, Deduct	*-4,670.06*	
		For Class 54 Rating, Add	*6,417.41*	
		For Class 55 Rating, Add	*9,565.78*	
		For Class 56 Rating, Add	*12,671.69*	
40 05 19 00-2557	EA	42" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	48,283.86	2,707.24
		For Class 52 Rating, Deduct	*-4,860.02*	
		For Class 54 Rating, Add	*6,676.52*	
		For Class 55 Rating, Add	*9,951.03*	
		For Class 56 Rating, Add	*13,181.35*	
40 05 19 00-2558	EA	42" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	50,005.43	2,711.27
		For Class 52 Rating, Deduct	*-5,048.72*	
		For Class 54 Rating, Add	*6,933.91*	
		For Class 55 Rating, Add	*10,333.72*	
		For Class 56 Rating, Add	*13,687.64*	
40 05 19 00-2559	EA	42" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	51,747.03	2,715.30
		For Class 52 Rating, Deduct	*-5,239.62*	
		For Class 54 Rating, Add	*7,194.31*	
		For Class 55 Rating, Add	*10,720.88*	
		For Class 56 Rating, Add	*14,199.82*	
40 05 19 00-2560	EA	42" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	53,471.47	2,719.33
		For Class 52 Rating, Deduct	*-5,428.64*	
		For Class 54 Rating, Add	*7,452.13*	
		For Class 55 Rating, Add	*11,104.22*	
		For Class 56 Rating, Add	*14,706.95*	

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LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2561	EA	42" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	55,210.19	2,723.36
		For Class 52 Rating, Deduct	*-5,619.23*	
		For Class 54 Rating, Add	*7,712.10*	
		For Class 55 Rating, Add	*11,490.74*	
		For Class 56 Rating, Add	*15,218.30*	
40 05 19 00-2562	EA	42" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	56,931.77	2,727.38
		For Class 52 Rating, Deduct	*-5,807.93*	
		For Class 54 Rating, Add	*7,969.49*	
		For Class 55 Rating, Add	*11,873.44*	
		For Class 56 Rating, Add	*15,724.58*	
40 05 19 00-2563	EA	42" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	58,676.21	2,731.41
		For Class 52 Rating, Deduct	*-5,999.15*	
		For Class 54 Rating, Add	*8,230.32*	
		For Class 55 Rating, Add	*12,261.23*	
		For Class 56 Rating, Add	*16,237.61*	
40 05 19 00-2564	EA	42" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	60,400.66	2,735.44
		For Class 52 Rating, Deduct	*-6,188.17*	
		For Class 54 Rating, Add	*8,488.14*	
		For Class 55 Rating, Add	*12,644.57*	
		For Class 56 Rating, Add	*16,744.74*	
40 05 19 00-2565	EA	42" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	62,139.38	2,739.47
		For Class 52 Rating, Deduct	*-6,378.75*	
		For Class 54 Rating, Add	*8,748.11*	
		For Class 55 Rating, Add	*13,031.09*	
		For Class 56 Rating, Add	*17,256.08*	
40 05 19 00-2566	EA	42" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	63,863.81	2,743.49
		For Class 52 Rating, Deduct	*-6,567.77*	
		For Class 54 Rating, Add	*9,005.93*	
		For Class 55 Rating, Add	*13,414.42*	
		For Class 56 Rating, Add	*17,763.21*	
40 05 19 00-2567	EA	42" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	65,608.27	2,747.53
		For Class 52 Rating, Deduct	*-6,758.99*	
		For Class 54 Rating, Add	*9,266.76*	
		For Class 55 Rating, Add	*13,802.22*	
		For Class 56 Rating, Add	*18,276.24*	
40 05 19 00-2568	EA	42" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	67,332.71	2,751.56
		For Class 52 Rating, Deduct	*-6,948.00*	
		For Class 54 Rating, Add	*9,524.58*	
		For Class 55 Rating, Add	*14,185.56*	
		For Class 56 Rating, Add	*18,783.37*	
40 05 19 00-2569	EA	42" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	69,071.43	2,755.59
		For Class 52 Rating, Deduct	*-7,138.59*	
		For Class 54 Rating, Add	*9,784.55*	
		For Class 55 Rating, Add	*14,572.08*	
		For Class 56 Rating, Add	*19,294.72*	
40 05 19 00-2570	EA	42" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	70,798.73	2,759.61
		For Class 52 Rating, Deduct	*-7,327.93*	
		For Class 54 Rating, Add	*10,042.80*	
		For Class 55 Rating, Add	*14,956.05*	
		For Class 56 Rating, Add	*19,802.69*	
40 05 19 00-2571	EA	42" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	72,197.23	2,763.64
		For Class 52 Rating, Deduct	*-7,481.09*	
		For Class 54 Rating, Add	*10,251.73*	
		For Class 55 Rating, Add	*15,266.70*	
		For Class 56 Rating, Add	*20,213.66*	
40 05 19 00-2572	EA	42" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	74,267.61	2,767.67
		For Class 52 Rating, Deduct	*-7,708.16*	
		For Class 54 Rating, Add	*10,561.45*	
		For Class 55 Rating, Add	*15,727.18*	
		For Class 56 Rating, Add	*20,822.84*	
40 05 19 00-2573	EA	42" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	75,992.04	2,771.70
		For Class 52 Rating, Deduct	*-7,897.18*	
		For Class 54 Rating, Add	*10,819.27*	
		For Class 55 Rating, Add	*16,110.52*	
		For Class 56 Rating, Add	*21,329.97*	
40 05 19 00-2574	EA	42" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	77,733.64	2,775.72
		For Class 52 Rating, Deduct	*-8,088.08*	
		For Class 54 Rating, Add	*11,079.67*	
		For Class 55 Rating, Add	*16,497.68*	
		For Class 56 Rating, Add	*21,842.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2575	EA	42" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	79,460.93	2,779.75
		For Class 52 Rating, Deduct	*-8,277.41*	
		For Class 54 Rating, Add	*11,337.92*	
		For Class 55 Rating, Add	*16,881.65*	
		For Class 56 Rating, Add	*22,350.13*	
40 05 19 00-2576	EA	42" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	81,205.38	2,783.78
		For Class 52 Rating, Deduct	*-8,468.63*	
		For Class 54 Rating, Add	*11,598.74*	
		For Class 55 Rating, Add	*17,269.45*	
		For Class 56 Rating, Add	*22,863.16*	
40 05 19 00-2577	EA	42" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	82,926.96	2,787.82
		For Class 52 Rating, Deduct	*-8,657.33*	
		For Class 54 Rating, Add	*11,856.14*	
		For Class 55 Rating, Add	*17,652.14*	
		For Class 56 Rating, Add	*23,369.45*	
40 05 19 00-2578		**48" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe** *(40 05 19 00-2074)*		
40 05 19 00-2579	EA	48" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,302.61	3,331.68
		For Class 52 Rating, Deduct	*-2,778.01*	
		For Class 54 Rating, Add	*3,848.77*	
		For Class 55 Rating, Add	*5,752.93*	
		For Class 56 Rating, Add	*7,631.84*	
40 05 19 00-2580	EA	48" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,761.83	3,335.70
		For Class 52 Rating, Deduct	*-3,047.85*	
		For Class 54 Rating, Add	*4,216.81*	
		For Class 55 Rating, Add	*6,300.12*	
		For Class 56 Rating, Add	*8,355.73*	
40 05 19 00-2581	EA	48" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,226.78	3,339.73
		For Class 52 Rating, Deduct	*-3,318.32*	
		For Class 54 Rating, Add	*4,585.71*	
		For Class 55 Rating, Add	*6,848.59*	
		For Class 56 Rating, Add	*9,081.31*	
40 05 19 00-2582	EA	48" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,720.32	3,343.76
		For Class 52 Rating, Deduct	*-3,591.94*	
		For Class 54 Rating, Add	*4,958.90*	
		For Class 55 Rating, Add	*7,403.44*	
		For Class 56 Rating, Add	*9,815.32*	
40 05 19 00-2583	EA	48" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,205.29	3,347.80
		For Class 52 Rating, Deduct	*-3,864.62*	
		For Class 54 Rating, Add	*5,330.80*	
		For Class 55 Rating, Add	*7,956.37*	
		For Class 56 Rating, Add	*10,546.80*	
40 05 19 00-2584	EA	48" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	42,695.95	3,351.82
		For Class 52 Rating, Deduct	*-4,137.92*	
		For Class 54 Rating, Add	*5,703.56*	
		For Class 55 Rating, Add	*8,510.57*	
		For Class 56 Rating, Add	*11,279.97*	
40 05 19 00-2585	EA	48" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	45,203.79	3,355.85
		For Class 52 Rating, Deduct	*-4,413.11*	
		For Class 54 Rating, Add	*6,078.89*	
		For Class 55 Rating, Add	*9,068.61*	
		For Class 56 Rating, Add	*12,018.20*	
40 05 19 00-2586	EA	48" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	47,705.91	3,359.88
		For Class 52 Rating, Deduct	*-4,687.67*	
		For Class 54 Rating, Add	*6,453.37*	
		For Class 55 Rating, Add	*9,625.36*	
		For Class 56 Rating, Add	*12,754.74*	
40 05 19 00-2587	EA	48" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	50,205.17	3,363.91
		For Class 52 Rating, Deduct	*-4,961.92*	
		For Class 54 Rating, Add	*6,827.41*	
		For Class 55 Rating, Add	*10,181.48*	
		For Class 56 Rating, Add	*13,490.45*	
40 05 19 00-2588	EA	48" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	52,730.15	3,367.93
		For Class 52 Rating, Deduct	*-5,238.99*	
		For Class 54 Rating, Add	*7,205.32*	
		For Class 55 Rating, Add	*10,743.34*	
		For Class 56 Rating, Add	*14,233.74*	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2589	EA	48" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	55,237.99	3,371.96
		For Class 52 Rating, Deduct	*-5,514.18*	
		For Class 54 Rating, Add	*7,580.65*	
		For Class 55 Rating, Add	*11,301.37*	
		For Class 56 Rating, Add	*14,971.97*	
40 05 19 00-2590	EA	48" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	57,765.83	3,375.99
		For Class 52 Rating, Deduct	*-5,791.58*	
		For Class 54 Rating, Add	*7,958.99*	
		For Class 55 Rating, Add	*11,863.87*	
		For Class 56 Rating, Add	*15,716.10*	
40 05 19 00-2591	EA	48" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	60,279.39	3,380.02
		For Class 52 Rating, Deduct	*-6,067.40*	
		For Class 54 Rating, Add	*8,335.18*	
		For Class 55 Rating, Add	*12,423.18*	
		For Class 56 Rating, Add	*16,456.02*	
40 05 19 00-2592	EA	48" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	62,795.79	3,384.05
		For Class 52 Rating, Deduct	*-6,343.53*	
		For Class 54 Rating, Add	*8,711.80*	
		For Class 55 Rating, Add	*12,983.12*	
		For Class 56 Rating, Add	*17,196.78*	
40 05 19 00-2593	EA	48" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	65,329.36	3,388.08
		For Class 52 Rating, Deduct	*-6,621.55*	
		For Class 54 Rating, Add	*9,090.99*	
		For Class 55 Rating, Add	*13,546.89*	
		For Class 56 Rating, Add	*17,942.60*	
40 05 19 00-2594	EA	48" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	67,851.50	3,392.11
		For Class 52 Rating, Deduct	*-6,898.31*	
		For Class 54 Rating, Add	*9,468.47*	
		For Class 55 Rating, Add	*14,108.11*	
		For Class 56 Rating, Add	*18,685.05*	
40 05 19 00-2595	EA	48" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	70,370.76	3,396.14
		For Class 52 Rating, Deduct	*-7,174.76*	
		For Class 54 Rating, Add	*9,845.51*	
		For Class 55 Rating, Add	*14,668.69*	
		For Class 56 Rating, Add	*19,426.65*	
40 05 19 00-2596	EA	48" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	72,910.04	3,400.16
		For Class 52 Rating, Deduct	*-7,453.41*	
		For Class 54 Rating, Add	*10,225.56*	
		For Class 55 Rating, Add	*15,233.74*	
		For Class 56 Rating, Add	*20,174.16*	
40 05 19 00-2597	EA	48" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	75,435.04	3,404.19
		For Class 52 Rating, Deduct	*-7,730.49*	
		For Class 54 Rating, Add	*10,603.47*	
		For Class 55 Rating, Add	*15,795.60*	
		For Class 56 Rating, Add	*20,917.45*	
40 05 19 00-2598	EA	48" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	77,957.17	3,408.22
		For Class 52 Rating, Deduct	*-8,007.25*	
		For Class 54 Rating, Add	*10,980.95*	
		For Class 55 Rating, Add	*16,356.82*	
		For Class 56 Rating, Add	*21,659.90*	
40 05 19 00-2599	EA	48" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	80,499.31	3,412.25
		For Class 52 Rating, Deduct	*-8,286.22*	
		For Class 54 Rating, Add	*11,361.43*	
		For Class 55 Rating, Add	*16,922.50*	
		For Class 56 Rating, Add	*22,408.25*	
40 05 19 00-2600	EA	48" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	83,030.02	3,416.27
		For Class 52 Rating, Deduct	*-8,563.92*	
		For Class 54 Rating, Add	*11,740.19*	
		For Class 55 Rating, Add	*17,485.63*	
		For Class 56 Rating, Add	*23,153.23*	
40 05 19 00-2601	EA	48" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	85,555.00	3,420.31
		For Class 52 Rating, Deduct	*-8,841.00*	
		For Class 54 Rating, Add	*12,118.10*	
		For Class 55 Rating, Add	*18,047.49*	
		For Class 56 Rating, Add	*23,896.51*	
40 05 19 00-2602	EA	48" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	88,100.01	3,424.34
		For Class 52 Rating, Deduct	*-9,120.28*	
		For Class 54 Rating, Add	*12,499.00*	
		For Class 55 Rating, Add	*18,613.81*	
		For Class 56 Rating, Add	*24,645.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2603	EA	48" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	90,630.72	3,428.37
		For Class 52 Rating, Deduct	*-9,397.98*	
		For Class 54 Rating, Add	*12,877.77*	
		For Class 55 Rating, Add	*19,176.95*	
		For Class 56 Rating, Add	*25,390.69*	
40 05 19 00-2604	EA	48" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	93,158.56	3,432.39
		For Class 52 Rating, Deduct	*-9,675.38*	
		For Class 54 Rating, Add	*13,256.10*	
		For Class 55 Rating, Add	*19,739.44*	
		For Class 56 Rating, Add	*26,134.82*	
40 05 19 00-2605	EA	48" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	95,706.43	3,436.42
		For Class 52 Rating, Deduct	*-9,954.97*	
		For Class 54 Rating, Add	*13,637.44*	
		For Class 55 Rating, Add	*20,306.40*	
		For Class 56 Rating, Add	*26,884.86*	
40 05 19 00-2606	EA	48" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	98,240.00	3,440.45
		For Class 52 Rating, Deduct	*-10,232.99*	
		For Class 54 Rating, Add	*14,016.63*	
		For Class 55 Rating, Add	*20,870.17*	
		For Class 56 Rating, Add	*27,630.68*	
40 05 19 00-2607	EA	48" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	100,476.21	3,444.48
		For Class 52 Rating, Deduct	*-10,478.30*	
		For Class 54 Rating, Add	*14,351.22*	
		For Class 55 Rating, Add	*21,367.63*	
		For Class 56 Rating, Add	*28,288.78*	
40 05 19 00-2608	EA	48" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	103,321.42	3,448.51
		For Class 52 Rating, Deduct	*-10,790.61*	
		For Class 54 Rating, Add	*14,777.16*	
		For Class 55 Rating, Add	*22,000.90*	
		For Class 56 Rating, Add	*29,126.54*	
40 05 19 00-2609	EA	48" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	105,852.12	3,452.53
		For Class 52 Rating, Deduct	*-11,068.31*	
		For Class 54 Rating, Add	*15,155.92*	
		For Class 55 Rating, Add	*22,564.03*	
		For Class 56 Rating, Add	*29,871.52*	
40 05 19 00-2610	EA	48" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	108,405.71	3,456.56
		For Class 52 Rating, Deduct	*-11,348.53*	
		For Class 54 Rating, Add	*15,538.12*	
		For Class 55 Rating, Add	*23,132.27*	
		For Class 56 Rating, Add	*30,623.24*	
40 05 19 00-2611	EA	48" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	110,936.42	3,460.60
		For Class 52 Rating, Deduct	*-11,626.24*	
		For Class 54 Rating, Add	*15,916.88*	
		For Class 55 Rating, Add	*23,695.40*	
		For Class 56 Rating, Add	*31,368.22*	
40 05 19 00-2612	EA	48" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	113,467.11	3,464.63
		For Class 52 Rating, Deduct	*-11,903.95*	
		For Class 54 Rating, Add	*16,295.65*	
		For Class 55 Rating, Add	*24,258.53*	
		For Class 56 Rating, Add	*32,113.20*	
40 05 19 00-2613	EA	48" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	116,023.56	3,468.65
		For Class 52 Rating, Deduct	*-12,184.48*	
		For Class 54 Rating, Add	*16,678.27*	
		For Class 55 Rating, Add	*24,827.40*	
		For Class 56 Rating, Add	*32,865.77*	

40 05 19 00-2614 Flanged End x Grooved End (FxG), Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2073)*

40 05 19 00-2615 4" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*

40 05 19 00-2616	EA	4" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	791.10	184.35
		For Class 52 Rating, Deduct	*-56.30*	
		For Class 54 Rating, Add	*80.12*	
		For Class 55 Rating, Add	*120.83*	
		For Class 56 Rating, Add	*161.03*	
40 05 19 00-2617	EA	4" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	904.63	187.58
		For Class 52 Rating, Deduct	*-68.25*	
		For Class 54 Rating, Add	*96.47*	
		For Class 55 Rating, Add	*145.18*	
		For Class 56 Rating, Add	*193.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2618	EA	4" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,018.16	190.80
		For Class 52 Rating, Deduct	*-80.20*	
		For Class 54 Rating, Add	*112.83*	
		For Class 55 Rating, Add	*169.52*	
		For Class 56 Rating, Add	*225.49*	
40 05 19 00-2619	EA	4" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,131.69	194.02
		For Class 52 Rating, Deduct	*-92.15*	
		For Class 54 Rating, Add	*129.19*	
		For Class 55 Rating, Add	*193.87*	
		For Class 56 Rating, Add	*257.71*	
40 05 19 00-2620	EA	4" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,245.22	197.24
		For Class 52 Rating, Deduct	*-104.10*	
		For Class 54 Rating, Add	*145.54*	
		For Class 55 Rating, Add	*218.21*	
		For Class 56 Rating, Add	*289.94*	
40 05 19 00-2621	EA	4" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,358.76	200.47
		For Class 52 Rating, Deduct	*-116.05*	
		For Class 54 Rating, Add	*161.90*	
		For Class 55 Rating, Add	*242.56*	
		For Class 56 Rating, Add	*322.17*	
40 05 19 00-2622	EA	4" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,472.28	203.69
		For Class 52 Rating, Deduct	*-128.00*	
		For Class 54 Rating, Add	*178.25*	
		For Class 55 Rating, Add	*266.90*	
		For Class 56 Rating, Add	*354.39*	
40 05 19 00-2623	EA	4" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,585.82	206.91
		For Class 52 Rating, Deduct	*-139.95*	
		For Class 54 Rating, Add	*194.61*	
		For Class 55 Rating, Add	*291.25*	
		For Class 56 Rating, Add	*386.62*	
40 05 19 00-2624	EA	4" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,699.34	210.14
		For Class 52 Rating, Deduct	*-151.91*	
		For Class 54 Rating, Add	*210.96*	
		For Class 55 Rating, Add	*315.60*	
		For Class 56 Rating, Add	*418.84*	
40 05 19 00-2625	EA	4" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,812.86	213.35
		For Class 52 Rating, Deduct	*-163.86*	
		For Class 54 Rating, Add	*227.32*	
		For Class 55 Rating, Add	*339.94*	
		For Class 56 Rating, Add	*451.07*	
40 05 19 00-2626	EA	4" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,926.40	216.58
		For Class 52 Rating, Deduct	*-175.81*	
		For Class 54 Rating, Add	*243.68*	
		For Class 55 Rating, Add	*364.29*	
		For Class 56 Rating, Add	*483.30*	
40 05 19 00-2627	EA	4" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,039.92	219.81
		For Class 52 Rating, Deduct	*-187.76*	
		For Class 54 Rating, Add	*260.03*	
		For Class 55 Rating, Add	*388.63*	
		For Class 56 Rating, Add	*515.52*	
40 05 19 00-2628	EA	4" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,153.45	223.03
		For Class 52 Rating, Deduct	*-199.71*	
		For Class 54 Rating, Add	*276.39*	
		For Class 55 Rating, Add	*412.98*	
		For Class 56 Rating, Add	*547.75*	
40 05 19 00-2629	EA	4" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,266.99	226.25
		For Class 52 Rating, Deduct	*-211.66*	
		For Class 54 Rating, Add	*292.74*	
		For Class 55 Rating, Add	*437.32*	
		For Class 56 Rating, Add	*579.98*	
40 05 19 00-2630	EA	4" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,380.51	229.47
		For Class 52 Rating, Deduct	*-223.61*	
		For Class 54 Rating, Add	*309.10*	
		For Class 55 Rating, Add	*461.67*	
		For Class 56 Rating, Add	*612.20*	
40 05 19 00-2631	EA	4" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,494.05	232.70
		For Class 52 Rating, Deduct	*-235.56*	
		For Class 54 Rating, Add	*325.45*	
		For Class 55 Rating, Add	*486.01*	
		For Class 56 Rating, Add	*644.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2632	EA	4" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,607.58	235.92
		For Class 52 Rating, Deduct	*-247.51*	
		For Class 54 Rating, Add	*341.81*	
		For Class 55 Rating, Add	*510.36*	
		For Class 56 Rating, Add	*676.66*	
40 05 19 00-2633	EA	4" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,721.11	239.14
		For Class 52 Rating, Deduct	*-259.46*	
		For Class 54 Rating, Add	*358.16*	
		For Class 55 Rating, Add	*534.70*	
		For Class 56 Rating, Add	*708.88*	
40 05 19 00-2634	EA	4" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,834.64	242.37
		For Class 52 Rating, Deduct	*-271.42*	
		For Class 54 Rating, Add	*374.52*	
		For Class 55 Rating, Add	*559.05*	
		For Class 56 Rating, Add	*741.11*	
40 05 19 00-2635	EA	4" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,948.17	245.58
		For Class 52 Rating, Deduct	*-283.37*	
		For Class 54 Rating, Add	*390.88*	
		For Class 55 Rating, Add	*583.39*	
		For Class 56 Rating, Add	*773.34*	
40 05 19 00-2636	EA	4" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,061.70	248.81
		For Class 52 Rating, Deduct	*-295.32*	
		For Class 54 Rating, Add	*407.23*	
		For Class 55 Rating, Add	*607.74*	
		For Class 56 Rating, Add	*805.56*	
40 05 19 00-2637	EA	4" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,175.22	252.04
		For Class 52 Rating, Deduct	*-307.27*	
		For Class 54 Rating, Add	*423.59*	
		For Class 55 Rating, Add	*632.08*	
		For Class 56 Rating, Add	*837.79*	
40 05 19 00-2638	EA	4" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,288.76	255.25
		For Class 52 Rating, Deduct	*-319.22*	
		For Class 54 Rating, Add	*439.94*	
		For Class 55 Rating, Add	*656.43*	
		For Class 56 Rating, Add	*870.02*	
40 05 19 00-2639	EA	4" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,402.28	258.48
		For Class 52 Rating, Deduct	*-331.17*	
		For Class 54 Rating, Add	*456.30*	
		For Class 55 Rating, Add	*680.77*	
		For Class 56 Rating, Add	*902.24*	
40 05 19 00-2640	EA	4" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,515.81	261.70
		For Class 52 Rating, Deduct	*-343.12*	
		For Class 54 Rating, Add	*472.65*	
		For Class 55 Rating, Add	*705.12*	
		For Class 56 Rating, Add	*934.47*	
40 05 19 00-2641	EA	4" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,629.35	264.92
		For Class 52 Rating, Deduct	*-355.07*	
		For Class 54 Rating, Add	*489.01*	
		For Class 55 Rating, Add	*729.47*	
		For Class 56 Rating, Add	*966.70*	
40 05 19 00-2642	EA	4" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,742.87	268.15
		For Class 52 Rating, Deduct	*-367.02*	
		For Class 54 Rating, Add	*505.36*	
		For Class 55 Rating, Add	*753.81*	
		For Class 56 Rating, Add	*998.92*	
40 05 19 00-2643	EA	4" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,856.41	271.37
		For Class 52 Rating, Deduct	*-378.98*	
		For Class 54 Rating, Add	*521.72*	
		For Class 55 Rating, Add	*778.16*	
		For Class 56 Rating, Add	*1,031.15*	
40 05 19 00-2644	EA	4" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,969.94	274.59
		For Class 52 Rating, Deduct	*-390.93*	
		For Class 54 Rating, Add	*538.08*	
		For Class 55 Rating, Add	*802.50*	
		For Class 56 Rating, Add	*1,063.38*	
40 05 19 00-2645	EA	4" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,083.46	277.82
		For Class 52 Rating, Deduct	*-402.88*	
		For Class 54 Rating, Add	*554.43*	
		For Class 55 Rating, Add	*826.85*	
		For Class 56 Rating, Add	*1,095.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2646	EA	4" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,197.00	281.04
		For Class 52 Rating, Deduct	*-414.83*	
		For Class 54 Rating, Add	*570.79*	
		For Class 55 Rating, Add	*851.19*	
		For Class 56 Rating, Add	*1,127.83*	
40 05 19 00-2647	EA	4" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,310.53	284.27
		For Class 52 Rating, Deduct	*-426.78*	
		For Class 54 Rating, Add	*587.14*	
		For Class 55 Rating, Add	*875.54*	
		For Class 56 Rating, Add	*1,160.06*	
40 05 19 00-2648	EA	4" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,424.06	287.48
		For Class 52 Rating, Deduct	*-438.73*	
		For Class 54 Rating, Add	*603.50*	
		For Class 55 Rating, Add	*899.88*	
		For Class 56 Rating, Add	*1,192.28*	
40 05 19 00-2649	EA	4" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,537.58	290.71
		For Class 52 Rating, Deduct	*-450.68*	
		For Class 54 Rating, Add	*619.85*	
		For Class 55 Rating, Add	*924.23*	
		For Class 56 Rating, Add	*1,224.51*	
40 05 19 00-2650	EA	4" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,651.11	293.94
		For Class 52 Rating, Deduct	*-462.63*	
		For Class 54 Rating, Add	*636.21*	
		For Class 55 Rating, Add	*948.57*	
		For Class 56 Rating, Add	*1,256.73*	
40 05 19 00-2651	EA	4" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,764.64	297.15
		For Class 52 Rating, Deduct	*-474.59*	
		For Class 54 Rating, Add	*652.56*	
		For Class 55 Rating, Add	*972.92*	
		For Class 56 Rating, Add	*1,288.96*	
40 05 19 00-2652	EA	4" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,878.17	300.38
		For Class 52 Rating, Deduct	*-486.54*	
		For Class 54 Rating, Add	*668.92*	
		For Class 55 Rating, Add	*997.27*	
		For Class 56 Rating, Add	*1,321.19*	
40 05 19 00-2653	EA	4" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,963.11	303.60
		For Class 52 Rating, Deduct	*-495.34*	
		For Class 54 Rating, Add	*680.99*	
		For Class 55 Rating, Add	*1,015.23*	
		For Class 56 Rating, Add	*1,344.98*	
40 05 19 00-2654	EA	4" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,105.23	306.82
		For Class 52 Rating, Deduct	*-510.44*	
		For Class 54 Rating, Add	*701.63*	
		For Class 55 Rating, Add	*1,045.96*	
		For Class 56 Rating, Add	*1,385.64*	

40 05 19 00-2655 6" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*

40 05 19 00-2656	EA	6" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,023.48	232.05
		For Class 52 Rating, Deduct	*-73.91*	
		For Class 54 Rating, Add	*105.00*	
		For Class 55 Rating, Add	*158.27*	
		For Class 56 Rating, Add	*210.86*	
40 05 19 00-2657	EA	6" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,154.16	235.27
		For Class 52 Rating, Deduct	*-87.75*	
		For Class 54 Rating, Add	*123.93*	
		For Class 55 Rating, Add	*186.44*	
		For Class 56 Rating, Add	*248.15*	
40 05 19 00-2658	EA	6" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,284.86	238.50
		For Class 52 Rating, Deduct	*-101.59*	
		For Class 54 Rating, Add	*142.86*	
		For Class 55 Rating, Add	*214.61*	
		For Class 56 Rating, Add	*285.44*	
40 05 19 00-2659	EA	6" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,415.54	241.71
		For Class 52 Rating, Deduct	*-115.42*	
		For Class 54 Rating, Add	*161.79*	
		For Class 55 Rating, Add	*242.78*	
		For Class 56 Rating, Add	*322.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2660	EA	6" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,546.22	244.94
		For Class 52 Rating, Deduct	*-129.26*	
		For Class 54 Rating, Add	*180.72*	
		For Class 55 Rating, Add	*270.95*	
		For Class 56 Rating, Add	*360.01*	
40 05 19 00-2661	EA	6" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,676.91	248.17
		For Class 52 Rating, Deduct	*-143.10*	
		For Class 54 Rating, Add	*199.65*	
		For Class 55 Rating, Add	*299.12*	
		For Class 56 Rating, Add	*397.30*	
40 05 19 00-2662	EA	6" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,807.59	251.39
		For Class 52 Rating, Deduct	*-156.94*	
		For Class 54 Rating, Add	*218.58*	
		For Class 55 Rating, Add	*327.30*	
		For Class 56 Rating, Add	*434.59*	
40 05 19 00-2663	EA	6" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,938.28	254.61
		For Class 52 Rating, Deduct	*-170.78*	
		For Class 54 Rating, Add	*237.50*	
		For Class 55 Rating, Add	*355.47*	
		For Class 56 Rating, Add	*471.88*	
40 05 19 00-2664	EA	6" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,068.95	257.83
		For Class 52 Rating, Deduct	*-184.61*	
		For Class 54 Rating, Add	*256.43*	
		For Class 55 Rating, Add	*383.64*	
		For Class 56 Rating, Add	*509.16*	
40 05 19 00-2665	EA	6" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,199.63	261.06
		For Class 52 Rating, Deduct	*-198.45*	
		For Class 54 Rating, Add	*275.36*	
		For Class 55 Rating, Add	*411.81*	
		For Class 56 Rating, Add	*546.45*	
40 05 19 00-2666	EA	6" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,330.33	264.28
		For Class 52 Rating, Deduct	*-212.29*	
		For Class 54 Rating, Add	*294.29*	
		For Class 55 Rating, Add	*439.98*	
		For Class 56 Rating, Add	*583.74*	
40 05 19 00-2667	EA	6" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,461.01	267.50
		For Class 52 Rating, Deduct	*-226.13*	
		For Class 54 Rating, Add	*313.22*	
		For Class 55 Rating, Add	*468.15*	
		For Class 56 Rating, Add	*621.03*	
40 05 19 00-2668	EA	6" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,591.70	270.73
		For Class 52 Rating, Deduct	*-239.97*	
		For Class 54 Rating, Add	*332.15*	
		For Class 55 Rating, Add	*496.32*	
		For Class 56 Rating, Add	*658.31*	
40 05 19 00-2669	EA	6" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,722.38	273.94
		For Class 52 Rating, Deduct	*-253.80*	
		For Class 54 Rating, Add	*351.08*	
		For Class 55 Rating, Add	*524.49*	
		For Class 56 Rating, Add	*695.60*	
40 05 19 00-2670	EA	6" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,853.06	277.17
		For Class 52 Rating, Deduct	*-267.64*	
		For Class 54 Rating, Add	*370.01*	
		For Class 55 Rating, Add	*552.66*	
		For Class 56 Rating, Add	*732.89*	
40 05 19 00-2671	EA	6" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,983.75	280.40
		For Class 52 Rating, Deduct	*-281.48*	
		For Class 54 Rating, Add	*388.93*	
		For Class 55 Rating, Add	*580.83*	
		For Class 56 Rating, Add	*770.17*	
40 05 19 00-2672	EA	6" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,114.43	283.61
		For Class 52 Rating, Deduct	*-295.32*	
		For Class 54 Rating, Add	*407.86*	
		For Class 55 Rating, Add	*609.00*	
		For Class 56 Rating, Add	*807.46*	
40 05 19 00-2673	EA	6" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,245.13	286.84
		For Class 52 Rating, Deduct	*-309.16*	
		For Class 54 Rating, Add	*426.79*	
		For Class 55 Rating, Add	*637.18*	
		For Class 56 Rating, Add	*844.75*	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2674	EA	6" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,375.81	290.06
		For Class 52 Rating, Deduct	*-323.00*	
		For Class 54 Rating, Add	*445.72*	
		For Class 55 Rating, Add	*665.35*	
		For Class 56 Rating, Add	*882.04*	
40 05 19 00-2675	EA	6" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,506.49	293.28
		For Class 52 Rating, Deduct	*-336.83*	
		For Class 54 Rating, Add	*464.65*	
		For Class 55 Rating, Add	*693.52*	
		For Class 56 Rating, Add	*919.32*	
40 05 19 00-2676	EA	6" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,637.17	296.51
		For Class 52 Rating, Deduct	*-350.67*	
		For Class 54 Rating, Add	*483.58*	
		For Class 55 Rating, Add	*721.69*	
		For Class 56 Rating, Add	*956.61*	
40 05 19 00-2677	EA	6" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,767.85	299.73
		For Class 52 Rating, Deduct	*-364.51*	
		For Class 54 Rating, Add	*502.51*	
		For Class 55 Rating, Add	*749.86*	
		For Class 56 Rating, Add	*993.90*	
40 05 19 00-2678	EA	6" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,898.54	302.96
		For Class 52 Rating, Deduct	*-378.35*	
		For Class 54 Rating, Add	*521.44*	
		For Class 55 Rating, Add	*778.03*	
		For Class 56 Rating, Add	*1,031.18*	
40 05 19 00-2679	EA	6" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,029.22	306.17
		For Class 52 Rating, Deduct	*-392.19*	
		For Class 54 Rating, Add	*540.36*	
		For Class 55 Rating, Add	*806.20*	
		For Class 56 Rating, Add	*1,068.47*	
40 05 19 00-2680	EA	6" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,159.90	309.40
		For Class 52 Rating, Deduct	*-406.02*	
		For Class 54 Rating, Add	*559.29*	
		For Class 55 Rating, Add	*834.37*	
		For Class 56 Rating, Add	*1,105.76*	
40 05 19 00-2681	EA	6" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,290.60	312.63
		For Class 52 Rating, Deduct	*-419.86*	
		For Class 54 Rating, Add	*578.22*	
		For Class 55 Rating, Add	*862.54*	
		For Class 56 Rating, Add	*1,143.05*	
40 05 19 00-2682	EA	6" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,421.28	315.84
		For Class 52 Rating, Deduct	*-433.70*	
		For Class 54 Rating, Add	*597.15*	
		For Class 55 Rating, Add	*890.71*	
		For Class 56 Rating, Add	*1,180.33*	
40 05 19 00-2683	EA	6" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,551.97	319.07
		For Class 52 Rating, Deduct	*-447.54*	
		For Class 54 Rating, Add	*616.08*	
		For Class 55 Rating, Add	*918.88*	
		For Class 56 Rating, Add	*1,217.62*	
40 05 19 00-2684	EA	6" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,682.65	322.29
		For Class 52 Rating, Deduct	*-461.38*	
		For Class 54 Rating, Add	*635.01*	
		For Class 55 Rating, Add	*947.06*	
		For Class 56 Rating, Add	*1,254.91*	
40 05 19 00-2685	EA	6" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,813.33	325.51
		For Class 52 Rating, Deduct	*-475.21*	
		For Class 54 Rating, Add	*653.94*	
		For Class 55 Rating, Add	*975.23*	
		For Class 56 Rating, Add	*1,292.19*	
40 05 19 00-2686	EA	6" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,944.02	328.74
		For Class 52 Rating, Deduct	*-489.05*	
		For Class 54 Rating, Add	*672.87*	
		For Class 55 Rating, Add	*1,003.40*	
		For Class 56 Rating, Add	*1,329.48*	
40 05 19 00-2687	EA	6" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,074.70	331.96
		For Class 52 Rating, Deduct	*-502.89*	
		For Class 54 Rating, Add	*691.80*	
		For Class 55 Rating, Add	*1,031.57*	
		For Class 56 Rating, Add	*1,366.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2688	EA	6" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,205.39	335.18
		For Class 52 Rating, Deduct	*-516.73*	
		For Class 54 Rating, Add	*710.72*	
		For Class 55 Rating, Add	*1,059.74*	
		For Class 56 Rating, Add	*1,404.05*	
40 05 19 00-2689	EA	6" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,336.07	338.40
		For Class 52 Rating, Deduct	*-530.57*	
		For Class 54 Rating, Add	*729.65*	
		For Class 55 Rating, Add	*1,087.91*	
		For Class 56 Rating, Add	*1,441.34*	
40 05 19 00-2690	EA	6" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,466.75	341.63
		For Class 52 Rating, Deduct	*-544.41*	
		For Class 54 Rating, Add	*748.58*	
		For Class 55 Rating, Add	*1,116.08*	
		For Class 56 Rating, Add	*1,478.63*	
40 05 19 00-2691	EA	6" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,597.44	344.85
		For Class 52 Rating, Deduct	*-558.24*	
		For Class 54 Rating, Add	*767.51*	
		For Class 55 Rating, Add	*1,144.25*	
		For Class 56 Rating, Add	*1,515.92*	
40 05 19 00-2692	EA	6" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,728.12	348.07
		For Class 52 Rating, Deduct	*-572.08*	
		For Class 54 Rating, Add	*786.44*	
		For Class 55 Rating, Add	*1,172.42*	
		For Class 56 Rating, Add	*1,553.20*	
40 05 19 00-2693	EA	6" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,858.81	351.30
		For Class 52 Rating, Deduct	*-585.92*	
		For Class 54 Rating, Add	*805.37*	
		For Class 55 Rating, Add	*1,200.59*	
		For Class 56 Rating, Add	*1,590.49*	
40 05 19 00-2694	EA	6" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,989.49	354.51
		For Class 52 Rating, Deduct	*-599.76*	
		For Class 54 Rating, Add	*824.30*	
		For Class 55 Rating, Add	*1,228.76*	
		For Class 56 Rating, Add	*1,627.78*	

40 05 19 00-2695 8" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*

40 05 19 00-2696	EA	8" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,404.20	296.51
		For Class 52 Rating, Deduct	*-105.04*	
		For Class 54 Rating, Add	*148.63*	
		For Class 55 Rating, Add	*223.74*	
		For Class 56 Rating, Add	*297.88*	
40 05 19 00-2697	EA	8" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,572.05	299.73
		For Class 52 Rating, Deduct	*-122.97*	
		For Class 54 Rating, Add	*173.14*	
		For Class 55 Rating, Add	*260.20*	
		For Class 56 Rating, Add	*346.14*	
40 05 19 00-2698	EA	8" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,739.91	302.96
		For Class 52 Rating, Deduct	*-140.90*	
		For Class 54 Rating, Add	*197.64*	
		For Class 55 Rating, Add	*296.65*	
		For Class 56 Rating, Add	*394.39*	
40 05 19 00-2699	EA	8" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,907.76	306.17
		For Class 52 Rating, Deduct	*-158.82*	
		For Class 54 Rating, Add	*222.15*	
		For Class 55 Rating, Add	*333.11*	
		For Class 56 Rating, Add	*442.64*	
40 05 19 00-2700	EA	8" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,075.61	309.40
		For Class 52 Rating, Deduct	*-176.75*	
		For Class 54 Rating, Add	*246.65*	
		For Class 55 Rating, Add	*369.57*	
		For Class 56 Rating, Add	*490.89*	
40 05 19 00-2701	EA	8" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,243.47	312.63
		For Class 52 Rating, Deduct	*-194.68*	
		For Class 54 Rating, Add	*271.15*	
		For Class 55 Rating, Add	*406.03*	
		For Class 56 Rating, Add	*539.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2702	EA	8" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,411.32	315.84
		For Class 52 Rating, Deduct	*-212.60*	
		For Class 54 Rating, Add	*295.66*	
		For Class 55 Rating, Add	*442.49*	
		For Class 56 Rating, Add	*587.39*	
40 05 19 00-2703	EA	8" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,579.18	319.07
		For Class 52 Rating, Deduct	*-230.53*	
		For Class 54 Rating, Add	*320.16*	
		For Class 55 Rating, Add	*478.95*	
		For Class 56 Rating, Add	*635.65*	
40 05 19 00-2704	EA	8" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,747.02	322.29
		For Class 52 Rating, Deduct	*-248.46*	
		For Class 54 Rating, Add	*344.66*	
		For Class 55 Rating, Add	*515.41*	
		For Class 56 Rating, Add	*683.90*	
40 05 19 00-2705	EA	8" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,914.87	325.51
		For Class 52 Rating, Deduct	*-266.38*	
		For Class 54 Rating, Add	*369.17*	
		For Class 55 Rating, Add	*551.87*	
		For Class 56 Rating, Add	*732.15*	
40 05 19 00-2706	EA	8" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,082.73	328.74
		For Class 52 Rating, Deduct	*-284.31*	
		For Class 54 Rating, Add	*393.67*	
		For Class 55 Rating, Add	*588.33*	
		For Class 56 Rating, Add	*780.40*	
40 05 19 00-2707	EA	8" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,250.58	331.96
		For Class 52 Rating, Deduct	*-302.24*	
		For Class 54 Rating, Add	*418.18*	
		For Class 55 Rating, Add	*624.79*	
		For Class 56 Rating, Add	*828.65*	
40 05 19 00-2708	EA	8" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,418.44	335.18
		For Class 52 Rating, Deduct	*-320.16*	
		For Class 54 Rating, Add	*442.68*	
		For Class 55 Rating, Add	*661.25*	
		For Class 56 Rating, Add	*876.90*	
40 05 19 00-2709	EA	8" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,586.28	338.40
		For Class 52 Rating, Deduct	*-338.09*	
		For Class 54 Rating, Add	*467.19*	
		For Class 55 Rating, Add	*697.71*	
		For Class 56 Rating, Add	*925.16*	
40 05 19 00-2710	EA	8" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,754.13	341.63
		For Class 52 Rating, Deduct	*-356.02*	
		For Class 54 Rating, Add	*491.69*	
		For Class 55 Rating, Add	*734.17*	
		For Class 56 Rating, Add	*973.41*	
40 05 19 00-2711	EA	8" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,921.99	344.85
		For Class 52 Rating, Deduct	*-373.94*	
		For Class 54 Rating, Add	*516.19*	
		For Class 55 Rating, Add	*770.63*	
		For Class 56 Rating, Add	*1,021.66*	
40 05 19 00-2712	EA	8" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,089.84	348.07
		For Class 52 Rating, Deduct	*-391.87*	
		For Class 54 Rating, Add	*540.70*	
		For Class 55 Rating, Add	*807.09*	
		For Class 56 Rating, Add	*1,069.91*	
40 05 19 00-2713	EA	8" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,257.70	351.30
		For Class 52 Rating, Deduct	*-409.80*	
		For Class 54 Rating, Add	*565.20*	
		For Class 55 Rating, Add	*843.55*	
		For Class 56 Rating, Add	*1,118.16*	
40 05 19 00-2714	EA	8" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,425.55	354.51
		For Class 52 Rating, Deduct	*-427.72*	
		For Class 54 Rating, Add	*589.71*	
		For Class 55 Rating, Add	*880.00*	
		For Class 56 Rating, Add	*1,166.42*	
40 05 19 00-2715	EA	8" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,593.40	357.74
		For Class 52 Rating, Deduct	*-445.65*	
		For Class 54 Rating, Add	*614.21*	
		For Class 55 Rating, Add	*916.46*	
		For Class 56 Rating, Add	*1,214.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2716	EA	8" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,761.26	360.97
		For Class 52 Rating, Deduct	*-463.58*	
		For Class 54 Rating, Add	*638.71*	
		For Class 55 Rating, Add	*952.92*	
		For Class 56 Rating, Add	*1,262.92*	
40 05 19 00-2717	EA	8" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,929.11	364.19
		For Class 52 Rating, Deduct	*-481.50*	
		For Class 54 Rating, Add	*663.22*	
		For Class 55 Rating, Add	*989.38*	
		For Class 56 Rating, Add	*1,311.17*	
40 05 19 00-2718	EA	8" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,096.97	367.41
		For Class 52 Rating, Deduct	*-499.43*	
		For Class 54 Rating, Add	*687.72*	
		For Class 55 Rating, Add	*1,025.84*	
		For Class 56 Rating, Add	*1,359.42*	
40 05 19 00-2719	EA	8" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,264.82	370.63
		For Class 52 Rating, Deduct	*-517.36*	
		For Class 54 Rating, Add	*712.23*	
		For Class 55 Rating, Add	*1,062.30*	
		For Class 56 Rating, Add	*1,407.68*	
40 05 19 00-2720	EA	8" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,432.67	373.86
		For Class 52 Rating, Deduct	*-535.28*	
		For Class 54 Rating, Add	*736.73*	
		For Class 55 Rating, Add	*1,098.76*	
		For Class 56 Rating, Add	*1,455.93*	
40 05 19 00-2721	EA	8" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,600.52	377.08
		For Class 52 Rating, Deduct	*-553.21*	
		For Class 54 Rating, Add	*761.23*	
		For Class 55 Rating, Add	*1,135.22*	
		For Class 56 Rating, Add	*1,504.18*	
40 05 19 00-2722	EA	8" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,768.37	380.30
		For Class 52 Rating, Deduct	*-571.14*	
		For Class 54 Rating, Add	*785.74*	
		For Class 55 Rating, Add	*1,171.68*	
		For Class 56 Rating, Add	*1,552.43*	
40 05 19 00-2723	EA	8" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,936.23	383.53
		For Class 52 Rating, Deduct	*-589.06*	
		For Class 54 Rating, Add	*810.24*	
		For Class 55 Rating, Add	*1,208.14*	
		For Class 56 Rating, Add	*1,600.68*	
40 05 19 00-2724	EA	8" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,104.08	386.75
		For Class 52 Rating, Deduct	*-606.99*	
		For Class 54 Rating, Add	*834.75*	
		For Class 55 Rating, Add	*1,244.60*	
		For Class 56 Rating, Add	*1,648.93*	
40 05 19 00-2725	EA	8" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,271.93	389.97
		For Class 52 Rating, Deduct	*-624.92*	
		For Class 54 Rating, Add	*859.25*	
		For Class 55 Rating, Add	*1,281.06*	
		For Class 56 Rating, Add	*1,697.19*	
40 05 19 00-2726	EA	8" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,439.79	393.20
		For Class 52 Rating, Deduct	*-642.84*	
		For Class 54 Rating, Add	*883.76*	
		For Class 55 Rating, Add	*1,317.52*	
		For Class 56 Rating, Add	*1,745.44*	
40 05 19 00-2727	EA	8" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,607.64	396.41
		For Class 52 Rating, Deduct	*-660.77*	
		For Class 54 Rating, Add	*908.26*	
		For Class 55 Rating, Add	*1,353.98*	
		For Class 56 Rating, Add	*1,793.69*	
40 05 19 00-2728	EA	8" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,775.50	399.64
		For Class 52 Rating, Deduct	*-678.70*	
		For Class 54 Rating, Add	*932.76*	
		For Class 55 Rating, Add	*1,390.44*	
		For Class 56 Rating, Add	*1,841.94*	
40 05 19 00-2729	EA	8" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,943.35	402.87
		For Class 52 Rating, Deduct	*-696.62*	
		For Class 54 Rating, Add	*957.27*	
		For Class 55 Rating, Add	*1,426.90*	
		For Class 56 Rating, Add	*1,890.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2730	EA	8" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,111.20	406.08
		For Class 52 Rating, Deduct	*-714.55*	
		For Class 54 Rating, Add	*981.77*	
		For Class 55 Rating, Add	*1,463.36*	
		For Class 56 Rating, Add	*1,938.45*	
40 05 19 00-2731	EA	8" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,279.06	409.31
		For Class 52 Rating, Deduct	*-732.48*	
		For Class 54 Rating, Add	*1,006.28*	
		For Class 55 Rating, Add	*1,499.82*	
		For Class 56 Rating, Add	*1,986.70*	
40 05 19 00-2732	EA	8" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,446.91	412.53
		For Class 52 Rating, Deduct	*-750.40*	
		For Class 54 Rating, Add	*1,030.78*	
		For Class 55 Rating, Add	*1,536.28*	
		For Class 56 Rating, Add	*2,034.95*	
40 05 19 00-2733	EA	8" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,614.76	415.76
		For Class 52 Rating, Deduct	*-768.33*	
		For Class 54 Rating, Add	*1,055.28*	
		For Class 55 Rating, Add	*1,572.74*	
		For Class 56 Rating, Add	*2,083.20*	
40 05 19 00-2734	EA	8" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,782.61	418.98
		For Class 52 Rating, Deduct	*-786.26*	
		For Class 54 Rating, Add	*1,079.79*	
		For Class 55 Rating, Add	*1,609.19*	
		For Class 56 Rating, Add	*2,131.45*	

40 05 19 00-2735 10" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*

40 05 19 00-2736	EA	10" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,764.91	360.97
		For Class 52 Rating, Deduct	*-133.98*	
		For Class 54 Rating, Add	*189.26*	
		For Class 55 Rating, Add	*284.74*	
		For Class 56 Rating, Add	*379.00*	
40 05 19 00-2737	EA	10" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,981.36	364.19
		For Class 52 Rating, Deduct	*-157.25*	
		For Class 54 Rating, Add	*221.06*	
		For Class 55 Rating, Add	*332.04*	
		For Class 56 Rating, Add	*441.59*	
40 05 19 00-2738	EA	10" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,197.82	367.41
		For Class 52 Rating, Deduct	*-180.52*	
		For Class 54 Rating, Add	*252.85*	
		For Class 55 Rating, Add	*379.33*	
		For Class 56 Rating, Add	*504.17*	
40 05 19 00-2739	EA	10" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,414.28	370.63
		For Class 52 Rating, Deduct	*-203.80*	
		For Class 54 Rating, Add	*284.65*	
		For Class 55 Rating, Add	*426.63*	
		For Class 56 Rating, Add	*566.77*	
40 05 19 00-2740	EA	10" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,630.73	373.86
		For Class 52 Rating, Deduct	*-227.07*	
		For Class 54 Rating, Add	*316.44*	
		For Class 55 Rating, Add	*473.93*	
		For Class 56 Rating, Add	*629.35*	
40 05 19 00-2741	EA	10" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,847.19	377.08
		For Class 52 Rating, Deduct	*-250.34*	
		For Class 54 Rating, Add	*348.23*	
		For Class 55 Rating, Add	*521.23*	
		For Class 56 Rating, Add	*691.95*	
40 05 19 00-2742	EA	10" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,063.64	380.30
		For Class 52 Rating, Deduct	*-273.62*	
		For Class 54 Rating, Add	*380.03*	
		For Class 55 Rating, Add	*568.53*	
		For Class 56 Rating, Add	*754.54*	
40 05 19 00-2743	EA	10" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,280.11	383.53
		For Class 52 Rating, Deduct	*-296.89*	
		For Class 54 Rating, Add	*411.82*	
		For Class 55 Rating, Add	*615.83*	
		For Class 56 Rating, Add	*817.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2744	EA	10" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,496.56	386.75
		For Class 52 Rating, Deduct	*-320.16*	
		For Class 54 Rating, Add	*443.62*	
		For Class 55 Rating, Add	*663.12*	
		For Class 56 Rating, Add	*879.72*	
40 05 19 00-2745	EA	10" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,713.02	389.97
		For Class 52 Rating, Deduct	*-343.44*	
		For Class 54 Rating, Add	*475.41*	
		For Class 55 Rating, Add	*710.42*	
		For Class 56 Rating, Add	*942.31*	
40 05 19 00-2746	EA	10" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,929.48	393.20
		For Class 52 Rating, Deduct	*-366.71*	
		For Class 54 Rating, Add	*507.21*	
		For Class 55 Rating, Add	*757.72*	
		For Class 56 Rating, Add	*1,004.90*	
40 05 19 00-2747	EA	10" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,145.94	396.41
		For Class 52 Rating, Deduct	*-389.98*	
		For Class 54 Rating, Add	*539.00*	
		For Class 55 Rating, Add	*805.02*	
		For Class 56 Rating, Add	*1,067.49*	
40 05 19 00-2748	EA	10" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,362.40	399.64
		For Class 52 Rating, Deduct	*-413.26*	
		For Class 54 Rating, Add	*570.80*	
		For Class 55 Rating, Add	*852.32*	
		For Class 56 Rating, Add	*1,130.08*	
40 05 19 00-2749	EA	10" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,578.86	402.87
		For Class 52 Rating, Deduct	*-436.53*	
		For Class 54 Rating, Add	*602.59*	
		For Class 55 Rating, Add	*899.62*	
		For Class 56 Rating, Add	*1,192.67*	
40 05 19 00-2750	EA	10" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,795.31	406.08
		For Class 52 Rating, Deduct	*-459.80*	
		For Class 54 Rating, Add	*634.39*	
		For Class 55 Rating, Add	*946.91*	
		For Class 56 Rating, Add	*1,255.26*	
40 05 19 00-2751	EA	10" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,011.78	409.31
		For Class 52 Rating, Deduct	*-483.08*	
		For Class 54 Rating, Add	*666.18*	
		For Class 55 Rating, Add	*994.21*	
		For Class 56 Rating, Add	*1,317.85*	
40 05 19 00-2752	EA	10" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,228.23	412.53
		For Class 52 Rating, Deduct	*-506.35*	
		For Class 54 Rating, Add	*697.98*	
		For Class 55 Rating, Add	*1,041.51*	
		For Class 56 Rating, Add	*1,380.44*	
40 05 19 00-2753	EA	10" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,444.69	415.76
		For Class 52 Rating, Deduct	*-529.62*	
		For Class 54 Rating, Add	*729.77*	
		For Class 55 Rating, Add	*1,088.81*	
		For Class 56 Rating, Add	*1,443.03*	
40 05 19 00-2754	EA	10" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,661.14	418.98
		For Class 52 Rating, Deduct	*-552.90*	
		For Class 54 Rating, Add	*761.57*	
		For Class 55 Rating, Add	*1,136.11*	
		For Class 56 Rating, Add	*1,505.62*	
40 05 19 00-2755	EA	10" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,877.60	422.20
		For Class 52 Rating, Deduct	*-576.17*	
		For Class 54 Rating, Add	*793.36*	
		For Class 55 Rating, Add	*1,183.41*	
		For Class 56 Rating, Add	*1,568.21*	
40 05 19 00-2756	EA	10" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,094.06	425.43
		For Class 52 Rating, Deduct	*-599.44*	
		For Class 54 Rating, Add	*825.16*	
		For Class 55 Rating, Add	*1,230.70*	
		For Class 56 Rating, Add	*1,630.80*	
40 05 19 00-2757	EA	10" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,310.52	428.64
		For Class 52 Rating, Deduct	*-622.72*	
		For Class 54 Rating, Add	*856.95*	
		For Class 55 Rating, Add	*1,278.00*	
		For Class 56 Rating, Add	*1,693.39*	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2758	EA	10" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,526.98	431.87
		For Class 52 Rating, Deduct	*-645.99*	
		For Class 54 Rating, Add	*888.75*	
		For Class 55 Rating, Add	*1,325.30*	
		For Class 56 Rating, Add	*1,755.98*	
40 05 19 00-2759	EA	10" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,743.44	435.10
		For Class 52 Rating, Deduct	*-669.26*	
		For Class 54 Rating, Add	*920.54*	
		For Class 55 Rating, Add	*1,372.60*	
		For Class 56 Rating, Add	*1,818.57*	
40 05 19 00-2760	EA	10" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,959.89	438.31
		For Class 52 Rating, Deduct	*-692.54*	
		For Class 54 Rating, Add	*952.34*	
		For Class 55 Rating, Add	*1,419.90*	
		For Class 56 Rating, Add	*1,881.16*	
40 05 19 00-2761	EA	10" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,176.36	441.54
		For Class 52 Rating, Deduct	*-715.81*	
		For Class 54 Rating, Add	*984.13*	
		For Class 55 Rating, Add	*1,467.20*	
		For Class 56 Rating, Add	*1,943.76*	
40 05 19 00-2762	EA	10" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,392.81	444.76
		For Class 52 Rating, Deduct	*-739.08*	
		For Class 54 Rating, Add	*1,015.93*	
		For Class 55 Rating, Add	*1,514.49*	
		For Class 56 Rating, Add	*2,006.34*	
40 05 19 00-2763	EA	10" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,609.28	447.98
		For Class 52 Rating, Deduct	*-762.36*	
		For Class 54 Rating, Add	*1,047.72*	
		For Class 55 Rating, Add	*1,561.79*	
		For Class 56 Rating, Add	*2,068.94*	
40 05 19 00-2764	EA	10" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,825.73	451.21
		For Class 52 Rating, Deduct	*-785.63*	
		For Class 54 Rating, Add	*1,079.52*	
		For Class 55 Rating, Add	*1,609.09*	
		For Class 56 Rating, Add	*2,131.53*	
40 05 19 00-2765	EA	10" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,042.19	454.43
		For Class 52 Rating, Deduct	*-808.90*	
		For Class 54 Rating, Add	*1,111.31*	
		For Class 55 Rating, Add	*1,656.39*	
		For Class 56 Rating, Add	*2,194.12*	
40 05 19 00-2766	EA	10" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,258.64	457.65
		For Class 52 Rating, Deduct	*-832.18*	
		For Class 54 Rating, Add	*1,143.11*	
		For Class 55 Rating, Add	*1,703.69*	
		For Class 56 Rating, Add	*2,256.71*	
40 05 19 00-2767	EA	10" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,475.10	460.87
		For Class 52 Rating, Deduct	*-855.45*	
		For Class 54 Rating, Add	*1,174.90*	
		For Class 55 Rating, Add	*1,750.99*	
		For Class 56 Rating, Add	*2,319.30*	
40 05 19 00-2768	EA	10" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,691.56	464.10
		For Class 52 Rating, Deduct	*-878.72*	
		For Class 54 Rating, Add	*1,206.70*	
		For Class 55 Rating, Add	*1,798.29*	
		For Class 56 Rating, Add	*2,381.89*	
40 05 19 00-2769	EA	10" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,908.02	467.32
		For Class 52 Rating, Deduct	*-902.00*	
		For Class 54 Rating, Add	*1,238.49*	
		For Class 55 Rating, Add	*1,845.58*	
		For Class 56 Rating, Add	*2,444.48*	
40 05 19 00-2770	EA	10" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,124.47	470.54
		For Class 52 Rating, Deduct	*-925.27*	
		For Class 54 Rating, Add	*1,270.28*	
		For Class 55 Rating, Add	*1,892.88*	
		For Class 56 Rating, Add	*2,507.07*	
40 05 19 00-2771	EA	10" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,340.94	473.77
		For Class 52 Rating, Deduct	*-948.54*	
		For Class 54 Rating, Add	*1,302.08*	
		For Class 55 Rating, Add	*1,940.18*	
		For Class 56 Rating, Add	*2,569.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2772	EA	10" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,557.39	476.99
		For Class 52 Rating, Deduct	*-971.81*	
		For Class 54 Rating, Add	*1,333.87*	
		For Class 55 Rating, Add	*1,987.48*	
		For Class 56 Rating, Add	*2,632.25*	
40 05 19 00-2773	EA	10" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,773.86	480.21
		For Class 52 Rating, Deduct	*-995.09*	
		For Class 54 Rating, Add	*1,365.67*	
		For Class 55 Rating, Add	*2,034.78*	
		For Class 56 Rating, Add	*2,694.84*	
40 05 19 00-2774	EA	10" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,990.31	483.44
		For Class 52 Rating, Deduct	*-1,018.36*	
		For Class 54 Rating, Add	*1,397.46*	
		For Class 55 Rating, Add	*2,082.08*	
		For Class 56 Rating, Add	*2,757.43*	
40 05 19 00-2775		**12" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe** *(40 05 19 00-2614)*		
40 05 19 00-2776	EA	12" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,284.76	451.21
		For Class 52 Rating, Deduct	*-176.12*	
		For Class 54 Rating, Add	*248.37*	
		For Class 55 Rating, Add	*373.46*	
		For Class 56 Rating, Add	*496.94*	
40 05 19 00-2777	EA	12" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,552.68	454.43
		For Class 52 Rating, Deduct	*-205.06*	
		For Class 54 Rating, Add	*287.88*	
		For Class 55 Rating, Add	*432.23*	
		For Class 56 Rating, Add	*574.71*	
40 05 19 00-2778	EA	12" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,820.60	457.65
		For Class 52 Rating, Deduct	*-233.99*	
		For Class 54 Rating, Add	*327.40*	
		For Class 55 Rating, Add	*491.01*	
		For Class 56 Rating, Add	*652.48*	
40 05 19 00-2779	EA	12" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,088.51	460.87
		For Class 52 Rating, Deduct	*-262.92*	
		For Class 54 Rating, Add	*366.91*	
		For Class 55 Rating, Add	*549.78*	
		For Class 56 Rating, Add	*730.25*	
40 05 19 00-2780	EA	12" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,356.44	464.10
		For Class 52 Rating, Deduct	*-291.86*	
		For Class 54 Rating, Add	*406.43*	
		For Class 55 Rating, Add	*608.55*	
		For Class 56 Rating, Add	*808.03*	
40 05 19 00-2781	EA	12" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,624.36	467.32
		For Class 52 Rating, Deduct	*-320.79*	
		For Class 54 Rating, Add	*445.94*	
		For Class 55 Rating, Add	*667.33*	
		For Class 56 Rating, Add	*885.80*	
40 05 19 00-2782	EA	12" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,892.28	470.54
		For Class 52 Rating, Deduct	*-349.73*	
		For Class 54 Rating, Add	*485.46*	
		For Class 55 Rating, Add	*726.10*	
		For Class 56 Rating, Add	*963.57*	
40 05 19 00-2783	EA	12" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,160.21	473.77
		For Class 52 Rating, Deduct	*-378.66*	
		For Class 54 Rating, Add	*524.97*	
		For Class 55 Rating, Add	*784.88*	
		For Class 56 Rating, Add	*1,041.34*	
40 05 19 00-2784	EA	12" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,428.13	476.99
		For Class 52 Rating, Deduct	*-407.60*	
		For Class 54 Rating, Add	*564.49*	
		For Class 55 Rating, Add	*843.65*	
		For Class 56 Rating, Add	*1,119.12*	
40 05 19 00-2785	EA	12" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,696.06	480.21
		For Class 52 Rating, Deduct	*-436.53*	
		For Class 54 Rating, Add	*604.00*	
		For Class 55 Rating, Add	*902.43*	
		For Class 56 Rating, Add	*1,196.89*	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2786	EA	12" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,963.98	483.44
		For Class 52 Rating, Deduct	*-465.47*	
		For Class 54 Rating, Add	*643.51*	
		For Class 55 Rating, Add	*961.20*	
		For Class 56 Rating, Add	*1,274.66*	
40 05 19 00-2787	EA	12" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,231.90	486.66
		For Class 52 Rating, Deduct	*-494.40*	
		For Class 54 Rating, Add	*683.03*	
		For Class 55 Rating, Add	*1,019.98*	
		For Class 56 Rating, Add	*1,352.43*	
40 05 19 00-2788	EA	12" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,499.83	489.88
		For Class 52 Rating, Deduct	*-523.33*	
		For Class 54 Rating, Add	*722.54*	
		For Class 55 Rating, Add	*1,078.75*	
		For Class 56 Rating, Add	*1,430.21*	
40 05 19 00-2789	EA	12" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,767.74	493.10
		For Class 52 Rating, Deduct	*-552.27*	
		For Class 54 Rating, Add	*762.06*	
		For Class 55 Rating, Add	*1,137.53*	
		For Class 56 Rating, Add	*1,507.98*	
40 05 19 00-2790	EA	12" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,035.66	496.33
		For Class 52 Rating, Deduct	*-581.20*	
		For Class 54 Rating, Add	*801.57*	
		For Class 55 Rating, Add	*1,196.30*	
		For Class 56 Rating, Add	*1,585.75*	
40 05 19 00-2791	EA	12" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,303.58	499.55
		For Class 52 Rating, Deduct	*-610.14*	
		For Class 54 Rating, Add	*841.09*	
		For Class 55 Rating, Add	*1,255.08*	
		For Class 56 Rating, Add	*1,663.52*	
40 05 19 00-2792	EA	12" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,571.50	502.77
		For Class 52 Rating, Deduct	*-639.07*	
		For Class 54 Rating, Add	*880.60*	
		For Class 55 Rating, Add	*1,313.85*	
		For Class 56 Rating, Add	*1,741.29*	
40 05 19 00-2793	EA	12" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,839.43	506.00
		For Class 52 Rating, Deduct	*-668.00*	
		For Class 54 Rating, Add	*920.12*	
		For Class 55 Rating, Add	*1,372.63*	
		For Class 56 Rating, Add	*1,819.07*	
40 05 19 00-2794	EA	12" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,107.35	509.21
		For Class 52 Rating, Deduct	*-696.94*	
		For Class 54 Rating, Add	*959.63*	
		For Class 55 Rating, Add	*1,431.40*	
		For Class 56 Rating, Add	*1,896.84*	
40 05 19 00-2795	EA	12" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,375.28	512.44
		For Class 52 Rating, Deduct	*-725.87*	
		For Class 54 Rating, Add	*999.14*	
		For Class 55 Rating, Add	*1,490.18*	
		For Class 56 Rating, Add	*1,974.61*	
40 05 19 00-2796	EA	12" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,643.20	515.67
		For Class 52 Rating, Deduct	*-754.81*	
		For Class 54 Rating, Add	*1,038.66*	
		For Class 55 Rating, Add	*1,548.95*	
		For Class 56 Rating, Add	*2,052.38*	
40 05 19 00-2797	EA	12" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,911.12	518.88
		For Class 52 Rating, Deduct	*-783.74*	
		For Class 54 Rating, Add	*1,078.17*	
		For Class 55 Rating, Add	*1,607.73*	
		For Class 56 Rating, Add	*2,130.16*	
40 05 19 00-2798	EA	12" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,179.05	522.11
		For Class 52 Rating, Deduct	*-812.68*	
		For Class 54 Rating, Add	*1,117.69*	
		For Class 55 Rating, Add	*1,666.50*	
		For Class 56 Rating, Add	*2,207.93*	
40 05 19 00-2799	EA	12" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,446.97	525.33
		For Class 52 Rating, Deduct	*-841.61*	
		For Class 54 Rating, Add	*1,157.20*	
		For Class 55 Rating, Add	*1,725.28*	
		For Class 56 Rating, Add	*2,285.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2800	EA	12" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,714.89	528.56
		For Class 52 Rating, Deduct	*-870.54*	
		For Class 54 Rating, Add	*1,196.72*	
		For Class 55 Rating, Add	*1,784.05*	
		For Class 56 Rating, Add	*2,363.47*	
40 05 19 00-2801	EA	12" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,982.81	531.78
		For Class 52 Rating, Deduct	*-899.48*	
		For Class 54 Rating, Add	*1,236.23*	
		For Class 55 Rating, Add	*1,842.83*	
		For Class 56 Rating, Add	*2,441.24*	
40 05 19 00-2802	EA	12" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,250.72	535.00
		For Class 52 Rating, Deduct	*-928.41*	
		For Class 54 Rating, Add	*1,275.75*	
		For Class 55 Rating, Add	*1,901.60*	
		For Class 56 Rating, Add	*2,519.02*	
40 05 19 00-2803	EA	12" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,518.65	538.23
		For Class 52 Rating, Deduct	*-957.35*	
		For Class 54 Rating, Add	*1,315.26*	
		For Class 55 Rating, Add	*1,960.38*	
		For Class 56 Rating, Add	*2,596.79*	
40 05 19 00-2804	EA	12" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,786.57	541.45
		For Class 52 Rating, Deduct	*-986.28*	
		For Class 54 Rating, Add	*1,354.77*	
		For Class 55 Rating, Add	*2,019.15*	
		For Class 56 Rating, Add	*2,674.56*	
40 05 19 00-2805	EA	12" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,054.50	544.67
		For Class 52 Rating, Deduct	*-1,015.22*	
		For Class 54 Rating, Add	*1,394.29*	
		For Class 55 Rating, Add	*2,077.93*	
		For Class 56 Rating, Add	*2,752.34*	
40 05 19 00-2806	EA	12" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,322.42	547.90
		For Class 52 Rating, Deduct	*-1,044.15*	
		For Class 54 Rating, Add	*1,433.80*	
		For Class 55 Rating, Add	*2,136.70*	
		For Class 56 Rating, Add	*2,830.11*	
40 05 19 00-2807	EA	12" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,590.34	551.11
		For Class 52 Rating, Deduct	*-1,073.09*	
		For Class 54 Rating, Add	*1,473.32*	
		For Class 55 Rating, Add	*2,195.48*	
		For Class 56 Rating, Add	*2,907.88*	
40 05 19 00-2808	EA	12" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,858.27	554.34
		For Class 52 Rating, Deduct	*-1,102.02*	
		For Class 54 Rating, Add	*1,512.83*	
		For Class 55 Rating, Add	*2,254.25*	
		For Class 56 Rating, Add	*2,985.65*	
40 05 19 00-2809	EA	12" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,126.19	557.57
		For Class 52 Rating, Deduct	*-1,130.95*	
		For Class 54 Rating, Add	*1,552.35*	
		For Class 55 Rating, Add	*2,313.03*	
		For Class 56 Rating, Add	*3,063.43*	
40 05 19 00-2810	EA	12" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,394.11	560.78
		For Class 52 Rating, Deduct	*-1,159.89*	
		For Class 54 Rating, Add	*1,591.86*	
		For Class 55 Rating, Add	*2,371.80*	
		For Class 56 Rating, Add	*3,141.20*	
40 05 19 00-2811	EA	12" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,662.03	564.01
		For Class 52 Rating, Deduct	*-1,188.82*	
		For Class 54 Rating, Add	*1,631.38*	
		For Class 55 Rating, Add	*2,430.58*	
		For Class 56 Rating, Add	*3,218.97*	
40 05 19 00-2812	EA	12" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,929.95	567.23
		For Class 52 Rating, Deduct	*-1,217.76*	
		For Class 54 Rating, Add	*1,670.89*	
		For Class 55 Rating, Add	*2,489.35*	
		For Class 56 Rating, Add	*3,296.74*	
40 05 19 00-2813	EA	12" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,197.88	570.45
		For Class 52 Rating, Deduct	*-1,246.69*	
		For Class 54 Rating, Add	*1,710.40*	
		For Class 55 Rating, Add	*2,548.13*	
		For Class 56 Rating, Add	*3,374.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2814	EA	12" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,465.80	573.68
		For Class 52 Rating, Deduct	*-1,275.62*	
		For Class 54 Rating, Add	*1,749.92*	
		For Class 55 Rating, Add	*2,606.90*	
		For Class 56 Rating, Add	*3,452.29*	
40 05 19 00-2815		**14" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe** *(40 05 19 00-2614)*		
40 05 19 00-2816	EA	14" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,182.00	541.45
		For Class 52 Rating, Deduct	*-259.78*	
		For Class 54 Rating, Add	*364.09*	
		For Class 55 Rating, Add	*546.33*	
		For Class 56 Rating, Add	*726.21*	
40 05 19 00-2817	EA	14" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,507.11	544.67
		For Class 52 Rating, Deduct	*-295.00*	
		For Class 54 Rating, Add	*412.18*	
		For Class 55 Rating, Add	*617.86*	
		For Class 56 Rating, Add	*820.86*	
40 05 19 00-2818	EA	14" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,832.22	547.90
		For Class 52 Rating, Deduct	*-330.23*	
		For Class 54 Rating, Add	*460.27*	
		For Class 55 Rating, Add	*689.39*	
		For Class 56 Rating, Add	*915.50*	
40 05 19 00-2819	EA	14" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,157.32	551.11
		For Class 52 Rating, Deduct	*-365.45*	
		For Class 54 Rating, Add	*508.37*	
		For Class 55 Rating, Add	*760.91*	
		For Class 56 Rating, Add	*1,010.14*	
40 05 19 00-2820	EA	14" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,482.43	554.34
		For Class 52 Rating, Deduct	*-400.68*	
		For Class 54 Rating, Add	*556.46*	
		For Class 55 Rating, Add	*832.44*	
		For Class 56 Rating, Add	*1,104.78*	
40 05 19 00-2821	EA	14" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,807.53	557.57
		For Class 52 Rating, Deduct	*-435.90*	
		For Class 54 Rating, Add	*604.55*	
		For Class 55 Rating, Add	*903.97*	
		For Class 56 Rating, Add	*1,199.42*	
40 05 19 00-2822	EA	14" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,132.64	560.78
		For Class 52 Rating, Deduct	*-471.13*	
		For Class 54 Rating, Add	*652.64*	
		For Class 55 Rating, Add	*975.49*	
		For Class 56 Rating, Add	*1,294.06*	
40 05 19 00-2823	EA	14" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,457.74	564.01
		For Class 52 Rating, Deduct	*-506.35*	
		For Class 54 Rating, Add	*700.73*	
		For Class 55 Rating, Add	*1,047.02*	
		For Class 56 Rating, Add	*1,388.70*	
40 05 19 00-2824	EA	14" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,782.84	567.23
		For Class 52 Rating, Deduct	*-541.57*	
		For Class 54 Rating, Add	*748.82*	
		For Class 55 Rating, Add	*1,118.54*	
		For Class 56 Rating, Add	*1,483.34*	
40 05 19 00-2825	EA	14" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,107.96	570.45
		For Class 52 Rating, Deduct	*-576.80*	
		For Class 54 Rating, Add	*796.92*	
		For Class 55 Rating, Add	*1,190.07*	
		For Class 56 Rating, Add	*1,577.99*	
40 05 19 00-2826	EA	14" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,433.06	573.68
		For Class 52 Rating, Deduct	*-612.02*	
		For Class 54 Rating, Add	*845.01*	
		For Class 55 Rating, Add	*1,261.60*	
		For Class 56 Rating, Add	*1,672.63*	
40 05 19 00-2827	EA	14" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,758.16	576.90
		For Class 52 Rating, Deduct	*-647.25*	
		For Class 54 Rating, Add	*893.10*	
		For Class 55 Rating, Add	*1,333.13*	
		For Class 56 Rating, Add	*1,767.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2828	EA	14" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,083.26	580.13
		For Class 52 Rating, Deduct	*-682.47*	
		For Class 54 Rating, Add	*941.19*	
		For Class 55 Rating, Add	*1,404.65*	
		For Class 56 Rating, Add	*1,861.91*	
40 05 19 00-2829	EA	14" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,408.36	583.34
		For Class 52 Rating, Deduct	*-717.70*	
		For Class 54 Rating, Add	*989.28*	
		For Class 55 Rating, Add	*1,476.18*	
		For Class 56 Rating, Add	*1,956.55*	
40 05 19 00-2830	EA	14" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,733.47	586.57
		For Class 52 Rating, Deduct	*-752.92*	
		For Class 54 Rating, Add	*1,037.37*	
		For Class 55 Rating, Add	*1,547.70*	
		For Class 56 Rating, Add	*2,051.19*	
40 05 19 00-2831	EA	14" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,058.57	589.80
		For Class 52 Rating, Deduct	*-788.14*	
		For Class 54 Rating, Add	*1,085.47*	
		For Class 55 Rating, Add	*1,619.23*	
		For Class 56 Rating, Add	*2,145.83*	
40 05 19 00-2832	EA	14" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,383.69	593.01
		For Class 52 Rating, Deduct	*-823.37*	
		For Class 54 Rating, Add	*1,133.56*	
		For Class 55 Rating, Add	*1,690.76*	
		For Class 56 Rating, Add	*2,240.47*	
40 05 19 00-2833	EA	14" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,708.79	596.24
		For Class 52 Rating, Deduct	*-858.59*	
		For Class 54 Rating, Add	*1,181.65*	
		For Class 55 Rating, Add	*1,762.29*	
		For Class 56 Rating, Add	*2,335.12*	
40 05 19 00-2834	EA	14" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,033.89	599.46
		For Class 52 Rating, Deduct	*-893.82*	
		For Class 54 Rating, Add	*1,229.74*	
		For Class 55 Rating, Add	*1,833.81*	
		For Class 56 Rating, Add	*2,429.76*	
40 05 19 00-2835	EA	14" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,359.00	602.68
		For Class 52 Rating, Deduct	*-929.04*	
		For Class 54 Rating, Add	*1,277.83*	
		For Class 55 Rating, Add	*1,905.34*	
		For Class 56 Rating, Add	*2,524.40*	
40 05 19 00-2836	EA	14" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,684.10	605.91
		For Class 52 Rating, Deduct	*-964.27*	
		For Class 54 Rating, Add	*1,325.93*	
		For Class 55 Rating, Add	*1,976.86*	
		For Class 56 Rating, Add	*2,619.04*	
40 05 19 00-2837	EA	14" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,009.21	609.13
		For Class 52 Rating, Deduct	*-999.49*	
		For Class 54 Rating, Add	*1,374.02*	
		For Class 55 Rating, Add	*2,048.39*	
		For Class 56 Rating, Add	*2,713.68*	
40 05 19 00-2838	EA	14" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,334.31	612.35
		For Class 52 Rating, Deduct	*-1,034.72*	
		For Class 54 Rating, Add	*1,422.11*	
		For Class 55 Rating, Add	*2,119.92*	
		For Class 56 Rating, Add	*2,808.32*	
40 05 19 00-2839	EA	14" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,659.41	615.57
		For Class 52 Rating, Deduct	*-1,069.94*	
		For Class 54 Rating, Add	*1,470.20*	
		For Class 55 Rating, Add	*2,191.45*	
		For Class 56 Rating, Add	*2,902.96*	
40 05 19 00-2840	EA	14" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,984.52	618.80
		For Class 52 Rating, Deduct	*-1,105.16*	
		For Class 54 Rating, Add	*1,518.29*	
		For Class 55 Rating, Add	*2,262.97*	
		For Class 56 Rating, Add	*2,997.60*	
40 05 19 00-2841	EA	14" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,309.62	622.02
		For Class 52 Rating, Deduct	*-1,140.39*	
		For Class 54 Rating, Add	*1,566.38*	
		For Class 55 Rating, Add	*2,334.50*	
		For Class 56 Rating, Add	*3,092.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2842	EA	14" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,634.73	625.24
		For Class 52 Rating, Deduct	*-1,175.61*	
		For Class 54 Rating, Add	*1,614.48*	
		For Class 55 Rating, Add	*2,406.02*	
		For Class 56 Rating, Add	*3,186.88*	
40 05 19 00-2843	EA	14" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,959.83	628.47
		For Class 52 Rating, Deduct	*-1,210.84*	
		For Class 54 Rating, Add	*1,662.57*	
		For Class 55 Rating, Add	*2,477.55*	
		For Class 56 Rating, Add	*3,281.52*	
40 05 19 00-2844	EA	14" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,284.93	631.68
		For Class 52 Rating, Deduct	*-1,246.06*	
		For Class 54 Rating, Add	*1,710.66*	
		For Class 55 Rating, Add	*2,549.08*	
		For Class 56 Rating, Add	*3,376.17*	
40 05 19 00-2845	EA	14" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,610.04	634.91
		For Class 52 Rating, Deduct	*-1,281.29*	
		For Class 54 Rating, Add	*1,758.75*	
		For Class 55 Rating, Add	*2,620.60*	
		For Class 56 Rating, Add	*3,470.81*	
40 05 19 00-2846	EA	14" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,935.15	638.14
		For Class 52 Rating, Deduct	*-1,316.51*	
		For Class 54 Rating, Add	*1,806.84*	
		For Class 55 Rating, Add	*2,692.13*	
		For Class 56 Rating, Add	*3,565.45*	
40 05 19 00-2847	EA	14" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,260.26	641.36
		For Class 52 Rating, Deduct	*-1,351.74*	
		For Class 54 Rating, Add	*1,854.94*	
		For Class 55 Rating, Add	*2,763.66*	
		For Class 56 Rating, Add	*3,660.09*	
40 05 19 00-2848	EA	14" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,585.36	644.58
		For Class 52 Rating, Deduct	*-1,386.96*	
		For Class 54 Rating, Add	*1,903.03*	
		For Class 55 Rating, Add	*2,835.18*	
		For Class 56 Rating, Add	*3,754.73*	
40 05 19 00-2849	EA	14" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,910.46	647.80
		For Class 52 Rating, Deduct	*-1,422.18*	
		For Class 54 Rating, Add	*1,951.12*	
		For Class 55 Rating, Add	*2,906.71*	
		For Class 56 Rating, Add	*3,849.37*	
40 05 19 00-2850	EA	14" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,235.57	651.03
		For Class 52 Rating, Deduct	*-1,457.41*	
		For Class 54 Rating, Add	*1,999.21*	
		For Class 55 Rating, Add	*2,978.24*	
		For Class 56 Rating, Add	*3,944.01*	
40 05 19 00-2851	EA	14" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,560.66	654.25
		For Class 52 Rating, Deduct	*-1,492.63*	
		For Class 54 Rating, Add	*2,047.30*	
		For Class 55 Rating, Add	*3,049.76*	
		For Class 56 Rating, Add	*4,038.65*	
40 05 19 00-2852	EA	14" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,885.77	657.47
		For Class 52 Rating, Deduct	*-1,527.86*	
		For Class 54 Rating, Add	*2,095.39*	
		For Class 55 Rating, Add	*3,121.29*	
		For Class 56 Rating, Add	*4,133.29*	
40 05 19 00-2853	EA	14" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,210.88	660.70
		For Class 52 Rating, Deduct	*-1,563.08*	
		For Class 54 Rating, Add	*2,143.49*	
		For Class 55 Rating, Add	*3,192.82*	
		For Class 56 Rating, Add	*4,227.94*	

40 05 19 00-2854 16" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*

40 05 19 00-2855	EA	16" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,725.21	618.80
		For Class 52 Rating, Deduct	*-306.64*	
		For Class 54 Rating, Add	*429.40*	
		For Class 55 Rating, Add	*644.15*	
		For Class 56 Rating, Add	*856.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2856	EA	16" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,101.78	622.02
		For Class 52 Rating, Deduct	*-347.53*	
		For Class 54 Rating, Add	*485.21*	
		For Class 55 Rating, Add	*727.15*	
		For Class 56 Rating, Add	*965.93*	
40 05 19 00-2857	EA	16" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,478.35	625.24
		For Class 52 Rating, Deduct	*-388.41*	
		For Class 54 Rating, Add	*541.02*	
		For Class 55 Rating, Add	*810.15*	
		For Class 56 Rating, Add	*1,075.75*	
40 05 19 00-2858	EA	16" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,854.92	628.47
		For Class 52 Rating, Deduct	*-429.30*	
		For Class 54 Rating, Add	*596.83*	
		For Class 55 Rating, Add	*893.16*	
		For Class 56 Rating, Add	*1,185.58*	
40 05 19 00-2859	EA	16" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,231.48	631.68
		For Class 52 Rating, Deduct	*-470.18*	
		For Class 54 Rating, Add	*652.64*	
		For Class 55 Rating, Add	*976.16*	
		For Class 56 Rating, Add	*1,295.40*	
40 05 19 00-2860	EA	16" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,608.06	634.91
		For Class 52 Rating, Deduct	*-511.07*	
		For Class 54 Rating, Add	*708.45*	
		For Class 55 Rating, Add	*1,059.16*	
		For Class 56 Rating, Add	*1,405.22*	
40 05 19 00-2861	EA	16" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,984.63	638.14
		For Class 52 Rating, Deduct	*-551.95*	
		For Class 54 Rating, Add	*764.27*	
		For Class 55 Rating, Add	*1,142.17*	
		For Class 56 Rating, Add	*1,515.05*	
40 05 19 00-2862	EA	16" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,361.20	641.36
		For Class 52 Rating, Deduct	*-592.84*	
		For Class 54 Rating, Add	*820.08*	
		For Class 55 Rating, Add	*1,225.17*	
		For Class 56 Rating, Add	*1,624.87*	
40 05 19 00-2863	EA	16" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,737.77	644.58
		For Class 52 Rating, Deduct	*-633.72*	
		For Class 54 Rating, Add	*875.89*	
		For Class 55 Rating, Add	*1,308.17*	
		For Class 56 Rating, Add	*1,734.69*	
40 05 19 00-2864	EA	16" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,114.33	647.80
		For Class 52 Rating, Deduct	*-674.61*	
		For Class 54 Rating, Add	*931.70*	
		For Class 55 Rating, Add	*1,391.17*	
		For Class 56 Rating, Add	*1,844.51*	
40 05 19 00-2865	EA	16" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,490.91	651.03
		For Class 52 Rating, Deduct	*-715.50*	
		For Class 54 Rating, Add	*987.51*	
		For Class 55 Rating, Add	*1,474.18*	
		For Class 56 Rating, Add	*1,954.34*	
40 05 19 00-2866	EA	16" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,867.46	654.25
		For Class 52 Rating, Deduct	*-756.38*	
		For Class 54 Rating, Add	*1,043.32*	
		For Class 55 Rating, Add	*1,557.18*	
		For Class 56 Rating, Add	*2,064.16*	
40 05 19 00-2867	EA	16" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,244.04	657.47
		For Class 52 Rating, Deduct	*-797.27*	
		For Class 54 Rating, Add	*1,099.13*	
		For Class 55 Rating, Add	*1,640.18*	
		For Class 56 Rating, Add	*2,173.98*	
40 05 19 00-2868	EA	16" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,620.60	660.70
		For Class 52 Rating, Deduct	*-838.15*	
		For Class 54 Rating, Add	*1,154.95*	
		For Class 55 Rating, Add	*1,723.18*	
		For Class 56 Rating, Add	*2,283.81*	
40 05 19 00-2869	EA	16" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,997.17	663.91
		For Class 52 Rating, Deduct	*-879.04*	
		For Class 54 Rating, Add	*1,210.76*	
		For Class 55 Rating, Add	*1,806.19*	
		For Class 56 Rating, Add	*2,393.63*	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2870	EA	16" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,373.75	667.14
		For Class 52 Rating, Deduct	*-919.92*	
		For Class 54 Rating, Add	*1,266.57*	
		For Class 55 Rating, Add	*1,889.19*	
		For Class 56 Rating, Add	*2,503.45*	
40 05 19 00-2871	EA	16" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,750.31	670.37
		For Class 52 Rating, Deduct	*-960.81*	
		For Class 54 Rating, Add	*1,322.38*	
		For Class 55 Rating, Add	*1,972.19*	
		For Class 56 Rating, Add	*2,613.28*	
40 05 19 00-2872	EA	16" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,126.89	673.58
		For Class 52 Rating, Deduct	*-1,001.69*	
		For Class 54 Rating, Add	*1,378.19*	
		For Class 55 Rating, Add	*2,055.20*	
		For Class 56 Rating, Add	*2,723.10*	
40 05 19 00-2873	EA	16" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,503.45	676.81
		For Class 52 Rating, Deduct	*-1,042.58*	
		For Class 54 Rating, Add	*1,434.00*	
		For Class 55 Rating, Add	*2,138.20*	
		For Class 56 Rating, Add	*2,832.92*	
40 05 19 00-2874	EA	16" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,880.02	680.03
		For Class 52 Rating, Deduct	*-1,083.46*	
		For Class 54 Rating, Add	*1,489.81*	
		For Class 55 Rating, Add	*2,221.20*	
		For Class 56 Rating, Add	*2,942.75*	
40 05 19 00-2875	EA	16" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,256.59	683.25
		For Class 52 Rating, Deduct	*-1,124.35*	
		For Class 54 Rating, Add	*1,545.63*	
		For Class 55 Rating, Add	*2,304.21*	
		For Class 56 Rating, Add	*3,052.57*	
40 05 19 00-2876	EA	16" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,633.16	686.48
		For Class 52 Rating, Deduct	*-1,165.23*	
		For Class 54 Rating, Add	*1,601.44*	
		For Class 55 Rating, Add	*2,387.21*	
		For Class 56 Rating, Add	*3,162.39*	
40 05 19 00-2877	EA	16" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,009.74	689.70
		For Class 52 Rating, Deduct	*-1,206.12*	
		For Class 54 Rating, Add	*1,657.25*	
		For Class 55 Rating, Add	*2,470.22*	
		For Class 56 Rating, Add	*3,272.22*	
40 05 19 00-2878	EA	16" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,386.29	692.93
		For Class 52 Rating, Deduct	*-1,247.01*	
		For Class 54 Rating, Add	*1,713.06*	
		For Class 55 Rating, Add	*2,553.22*	
		For Class 56 Rating, Add	*3,382.04*	
40 05 19 00-2879	EA	16" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,762.86	696.15
		For Class 52 Rating, Deduct	*-1,287.89*	
		For Class 54 Rating, Add	*1,768.87*	
		For Class 55 Rating, Add	*2,636.22*	
		For Class 56 Rating, Add	*3,491.86*	
40 05 19 00-2880	EA	16" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,139.43	699.37
		For Class 52 Rating, Deduct	*-1,328.78*	
		For Class 54 Rating, Add	*1,824.68*	
		For Class 55 Rating, Add	*2,719.22*	
		For Class 56 Rating, Add	*3,601.68*	
40 05 19 00-2881	EA	16" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,516.00	702.60
		For Class 52 Rating, Deduct	*-1,369.66*	
		For Class 54 Rating, Add	*1,880.49*	
		For Class 55 Rating, Add	*2,802.23*	
		For Class 56 Rating, Add	*3,711.51*	
40 05 19 00-2882	EA	16" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,892.57	705.81
		For Class 52 Rating, Deduct	*-1,410.55*	
		For Class 54 Rating, Add	*1,936.31*	
		For Class 55 Rating, Add	*2,885.23*	
		For Class 56 Rating, Add	*3,821.33*	
40 05 19 00-2883	EA	16" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,269.14	709.04
		For Class 52 Rating, Deduct	*-1,451.43*	
		For Class 54 Rating, Add	*1,992.12*	
		For Class 55 Rating, Add	*2,968.23*	
		For Class 56 Rating, Add	*3,931.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2884	EA	16" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,645.70	712.27
		For Class 52 Rating, Deduct	*-1,492.32*	
		For Class 54 Rating, Add	*2,047.93*	
		For Class 55 Rating, Add	*3,051.23*	
		For Class 56 Rating, Add	*4,040.97*	
40 05 19 00-2885	EA	16" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,022.28	715.48
		For Class 52 Rating, Deduct	*-1,533.20*	
		For Class 54 Rating, Add	*2,103.74*	
		For Class 55 Rating, Add	*3,134.24*	
		For Class 56 Rating, Add	*4,150.80*	
40 05 19 00-2886	EA	16" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,398.85	718.71
		For Class 52 Rating, Deduct	*-1,574.09*	
		For Class 54 Rating, Add	*2,159.55*	
		For Class 55 Rating, Add	*3,217.24*	
		For Class 56 Rating, Add	*4,260.62*	
40 05 19 00-2887	EA	16" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,775.42	721.93
		For Class 52 Rating, Deduct	*-1,614.97*	
		For Class 54 Rating, Add	*2,215.36*	
		For Class 55 Rating, Add	*3,300.24*	
		For Class 56 Rating, Add	*4,370.44*	
40 05 19 00-2888	EA	16" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,151.99	725.15
		For Class 52 Rating, Deduct	*-1,655.86*	
		For Class 54 Rating, Add	*2,271.18*	
		For Class 55 Rating, Add	*3,383.25*	
		For Class 56 Rating, Add	*4,480.27*	
40 05 19 00-2889	EA	16" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,528.55	728.38
		For Class 52 Rating, Deduct	*-1,696.74*	
		For Class 54 Rating, Add	*2,326.99*	
		For Class 55 Rating, Add	*3,466.25*	
		For Class 56 Rating, Add	*4,590.09*	
40 05 19 00-2890	EA	16" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,905.13	731.60
		For Class 52 Rating, Deduct	*-1,737.63*	
		For Class 54 Rating, Add	*2,382.80*	
		For Class 55 Rating, Add	*3,549.25*	
		For Class 56 Rating, Add	*4,699.91*	
40 05 19 00-2891	EA	16" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,281.68	734.82
		For Class 52 Rating, Deduct	*-1,778.52*	
		For Class 54 Rating, Add	*2,438.61*	
		For Class 55 Rating, Add	*3,632.26*	
		For Class 56 Rating, Add	*4,809.74*	
40 05 19 00-2892	EA	16" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,658.26	738.04
		For Class 52 Rating, Deduct	*-1,819.40*	
		For Class 54 Rating, Add	*2,494.42*	
		For Class 55 Rating, Add	*3,715.26*	
		For Class 56 Rating, Add	*4,919.56*	

40 05 19 00-2893 18" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*

40 05 19 00-2894	EA	18" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,359.00	697.45
		For Class 52 Rating, Deduct	*-363.25*	
		For Class 54 Rating, Add	*508.02*	
		For Class 55 Rating, Add	*761.77*	
		For Class 56 Rating, Add	*1,012.21*	
40 05 19 00-2895	EA	18" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,792.76	700.66
		For Class 52 Rating, Deduct	*-410.43*	
		For Class 54 Rating, Add	*572.41*	
		For Class 55 Rating, Add	*857.53*	
		For Class 56 Rating, Add	*1,138.91*	
40 05 19 00-2896	EA	18" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,226.51	703.89
		For Class 52 Rating, Deduct	*-457.60*	
		For Class 54 Rating, Add	*636.80*	
		For Class 55 Rating, Add	*953.28*	
		For Class 56 Rating, Add	*1,265.60*	
40 05 19 00-2897	EA	18" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,660.26	707.11
		For Class 52 Rating, Deduct	*-504.78*	
		For Class 54 Rating, Add	*701.19*	
		For Class 55 Rating, Add	*1,049.04*	
		For Class 56 Rating, Add	*1,392.29*	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2898	EA	18" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,094.02	710.33
		For Class 52 Rating, Deduct	*-551.95*	
		For Class 54 Rating, Add	*765.58*	
		For Class 55 Rating, Add	*1,144.79*	
		For Class 56 Rating, Add	*1,518.98*	
40 05 19 00-2899	EA	18" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,527.76	713.56
		For Class 52 Rating, Deduct	*-599.13*	
		For Class 54 Rating, Add	*829.97*	
		For Class 55 Rating, Add	*1,240.54*	
		For Class 56 Rating, Add	*1,645.67*	
40 05 19 00-2900	EA	18" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,961.51	716.78
		For Class 52 Rating, Deduct	*-646.30*	
		For Class 54 Rating, Add	*894.36*	
		For Class 55 Rating, Add	*1,336.30*	
		For Class 56 Rating, Add	*1,772.37*	
40 05 19 00-2901	EA	18" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,395.26	720.00
		For Class 52 Rating, Deduct	*-693.48*	
		For Class 54 Rating, Add	*958.74*	
		For Class 55 Rating, Add	*1,432.05*	
		For Class 56 Rating, Add	*1,899.06*	
40 05 19 00-2902	EA	18" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,829.01	723.22
		For Class 52 Rating, Deduct	*-740.66*	
		For Class 54 Rating, Add	*1,023.13*	
		For Class 55 Rating, Add	*1,527.81*	
		For Class 56 Rating, Add	*2,025.75*	
40 05 19 00-2903	EA	18" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,262.77	726.45
		For Class 52 Rating, Deduct	*-787.83*	
		For Class 54 Rating, Add	*1,087.52*	
		For Class 55 Rating, Add	*1,623.56*	
		For Class 56 Rating, Add	*2,152.44*	
40 05 19 00-2904	EA	18" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,696.51	729.67
		For Class 52 Rating, Deduct	*-835.01*	
		For Class 54 Rating, Add	*1,151.91*	
		For Class 55 Rating, Add	*1,719.32*	
		For Class 56 Rating, Add	*2,279.13*	
40 05 19 00-2905	EA	18" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,130.27	732.89
		For Class 52 Rating, Deduct	*-882.18*	
		For Class 54 Rating, Add	*1,216.30*	
		For Class 55 Rating, Add	*1,815.07*	
		For Class 56 Rating, Add	*2,405.83*	
40 05 19 00-2906	EA	18" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,564.02	736.12
		For Class 52 Rating, Deduct	*-929.36*	
		For Class 54 Rating, Add	*1,280.69*	
		For Class 55 Rating, Add	*1,910.83*	
		For Class 56 Rating, Add	*2,532.52*	
40 05 19 00-2907	EA	18" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,997.77	739.33
		For Class 52 Rating, Deduct	*-976.53*	
		For Class 54 Rating, Add	*1,345.08*	
		For Class 55 Rating, Add	*2,006.58*	
		For Class 56 Rating, Add	*2,659.21*	
40 05 19 00-2908	EA	18" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,431.53	742.56
		For Class 52 Rating, Deduct	*-1,023.71*	
		For Class 54 Rating, Add	*1,409.47*	
		For Class 55 Rating, Add	*2,102.34*	
		For Class 56 Rating, Add	*2,785.90*	
40 05 19 00-2909	EA	18" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,865.27	745.79
		For Class 52 Rating, Deduct	*-1,070.88*	
		For Class 54 Rating, Add	*1,473.85*	
		For Class 55 Rating, Add	*2,198.09*	
		For Class 56 Rating, Add	*2,912.59*	
40 05 19 00-2910	EA	18" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,299.03	749.01
		For Class 52 Rating, Deduct	*-1,118.06*	
		For Class 54 Rating, Add	*1,538.24*	
		For Class 55 Rating, Add	*2,293.85*	
		For Class 56 Rating, Add	*3,039.29*	
40 05 19 00-2911	EA	18" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,732.78	752.23
		For Class 52 Rating, Deduct	*-1,165.23*	
		For Class 54 Rating, Add	*1,602.63*	
		For Class 55 Rating, Add	*2,389.60*	
		For Class 56 Rating, Add	*3,165.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2912	EA	18" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,166.52	755.45
		For Class 52 Rating, Deduct	*-1,212.41*	
		For Class 54 Rating, Add	*1,667.02*	
		For Class 55 Rating, Add	*2,485.36*	
		For Class 56 Rating, Add	*3,292.67*	
40 05 19 00-2913	EA	18" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,600.28	758.68
		For Class 52 Rating, Deduct	*-1,259.59*	
		For Class 54 Rating, Add	*1,731.41*	
		For Class 55 Rating, Add	*2,581.11*	
		For Class 56 Rating, Add	*3,419.36*	
40 05 19 00-2914	EA	18" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,034.02	761.90
		For Class 52 Rating, Deduct	*-1,306.76*	
		For Class 54 Rating, Add	*1,795.80*	
		For Class 55 Rating, Add	*2,676.86*	
		For Class 56 Rating, Add	*3,546.05*	
40 05 19 00-2915	EA	18" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,467.78	765.12
		For Class 52 Rating, Deduct	*-1,353.94*	
		For Class 54 Rating, Add	*1,860.19*	
		For Class 55 Rating, Add	*2,772.62*	
		For Class 56 Rating, Add	*3,672.74*	
40 05 19 00-2916	EA	18" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,901.53	768.35
		For Class 52 Rating, Deduct	*-1,401.11*	
		For Class 54 Rating, Add	*1,924.58*	
		For Class 55 Rating, Add	*2,868.38*	
		For Class 56 Rating, Add	*3,799.44*	
40 05 19 00-2917	EA	18" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,335.28	771.57
		For Class 52 Rating, Deduct	*-1,448.29*	
		For Class 54 Rating, Add	*1,988.97*	
		For Class 55 Rating, Add	*2,964.13*	
		For Class 56 Rating, Add	*3,926.13*	
40 05 19 00-2918	EA	18" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,769.04	774.79
		For Class 52 Rating, Deduct	*-1,495.46*	
		For Class 54 Rating, Add	*2,053.36*	
		For Class 55 Rating, Add	*3,059.89*	
		For Class 56 Rating, Add	*4,052.82*	
40 05 19 00-2919	EA	18" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,202.78	778.02
		For Class 52 Rating, Deduct	*-1,542.64*	
		For Class 54 Rating, Add	*2,117.74*	
		For Class 55 Rating, Add	*3,155.64*	
		For Class 56 Rating, Add	*4,179.51*	
40 05 19 00-2920	EA	18" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,636.54	781.23
		For Class 52 Rating, Deduct	*-1,589.81*	
		For Class 54 Rating, Add	*2,182.13*	
		For Class 55 Rating, Add	*3,251.39*	
		For Class 56 Rating, Add	*4,306.20*	
40 05 19 00-2921	EA	18" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,070.29	784.46
		For Class 52 Rating, Deduct	*-1,636.99*	
		For Class 54 Rating, Add	*2,246.52*	
		For Class 55 Rating, Add	*3,347.15*	
		For Class 56 Rating, Add	*4,432.90*	
40 05 19 00-2922	EA	18" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,504.04	787.69
		For Class 52 Rating, Deduct	*-1,684.16*	
		For Class 54 Rating, Add	*2,310.91*	
		For Class 55 Rating, Add	*3,442.90*	
		For Class 56 Rating, Add	*4,559.59*	
40 05 19 00-2923	EA	18" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,937.80	790.90
		For Class 52 Rating, Deduct	*-1,731.34*	
		For Class 54 Rating, Add	*2,375.30*	
		For Class 55 Rating, Add	*3,538.66*	
		For Class 56 Rating, Add	*4,686.28*	
40 05 19 00-2924	EA	18" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,371.54	794.13
		For Class 52 Rating, Deduct	*-1,778.52*	
		For Class 54 Rating, Add	*2,439.69*	
		For Class 55 Rating, Add	*3,634.41*	
		For Class 56 Rating, Add	*4,812.97*	
40 05 19 00-2925	EA	18" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,805.29	797.35
		For Class 52 Rating, Deduct	*-1,825.69*	
		For Class 54 Rating, Add	*2,504.08*	
		For Class 55 Rating, Add	*3,730.17*	
		For Class 56 Rating, Add	*4,939.66*	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2926	EA	18" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,239.04	800.57
		For Class 52 Rating, Deduct	*-1,872.87*	
		For Class 54 Rating, Add	*2,568.46*	
		For Class 55 Rating, Add	*3,825.92*	
		For Class 56 Rating, Add	*5,066.35*	
40 05 19 00-2927	EA	18" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,672.79	803.80
		For Class 52 Rating, Deduct	*-1,920.04*	
		For Class 54 Rating, Add	*2,632.85*	
		For Class 55 Rating, Add	*3,921.68*	
		For Class 56 Rating, Add	*5,193.05*	
40 05 19 00-2928	EA	18" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,106.55	807.02
		For Class 52 Rating, Deduct	*-1,967.22*	
		For Class 54 Rating, Add	*2,697.24*	
		For Class 55 Rating, Add	*4,017.43*	
		For Class 56 Rating, Add	*5,319.74*	
40 05 19 00-2929	EA	18" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,540.29	810.25
		For Class 52 Rating, Deduct	*-2,014.39*	
		For Class 54 Rating, Add	*2,761.63*	
		For Class 55 Rating, Add	*4,113.19*	
		For Class 56 Rating, Add	*5,446.43*	
40 05 19 00-2930	EA	18" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,974.05	813.46
		For Class 52 Rating, Deduct	*-2,061.57*	
		For Class 54 Rating, Add	*2,826.02*	
		For Class 55 Rating, Add	*4,208.94*	
		For Class 56 Rating, Add	*5,573.12*	
40 05 19 00-2931	EA	18" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,407.80	816.69
		For Class 52 Rating, Deduct	*-2,108.74*	
		For Class 54 Rating, Add	*2,890.41*	
		For Class 55 Rating, Add	*4,304.70*	
		For Class 56 Rating, Add	*5,699.81*	

40 05 19 00-2932 20" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*

40 05 19 00-2933	EA	20" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,051.67	796.05
		For Class 52 Rating, Deduct	*-423.01*	
		For Class 54 Rating, Add	*591.30*	
		For Class 55 Rating, Add	*886.50*	
		For Class 56 Rating, Add	*1,177.85*	
40 05 19 00-2934	EA	20" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,545.46	799.28
		For Class 52 Rating, Deduct	*-476.79*	
		For Class 54 Rating, Add	*664.70*	
		For Class 55 Rating, Add	*995.64*	
		For Class 56 Rating, Add	*1,322.25*	
40 05 19 00-2935	EA	20" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,039.26	802.50
		For Class 52 Rating, Deduct	*-530.57*	
		For Class 54 Rating, Add	*738.09*	
		For Class 55 Rating, Add	*1,104.79*	
		For Class 56 Rating, Add	*1,466.66*	
40 05 19 00-2936	EA	20" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,533.04	805.73
		For Class 52 Rating, Deduct	*-584.35*	
		For Class 54 Rating, Add	*811.49*	
		For Class 55 Rating, Add	*1,213.93*	
		For Class 56 Rating, Add	*1,611.06*	
40 05 19 00-2937	EA	20" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,026.83	808.95
		For Class 52 Rating, Deduct	*-638.13*	
		For Class 54 Rating, Add	*884.88*	
		For Class 55 Rating, Add	*1,323.07*	
		For Class 56 Rating, Add	*1,755.46*	
40 05 19 00-2938	EA	20" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,520.62	812.17
		For Class 52 Rating, Deduct	*-691.91*	
		For Class 54 Rating, Add	*958.28*	
		For Class 55 Rating, Add	*1,432.22*	
		For Class 56 Rating, Add	*1,899.87*	
40 05 19 00-2939	EA	20" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,014.41	815.40
		For Class 52 Rating, Deduct	*-745.69*	
		For Class 54 Rating, Add	*1,031.67*	
		For Class 55 Rating, Add	*1,541.36*	
		For Class 56 Rating, Add	*2,044.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2940	EA	20" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,508.21	818.61
		For Class 52 Rating, Deduct	*-799.47*	
		For Class 54 Rating, Add	*1,105.07*	
		For Class 55 Rating, Add	*1,650.51*	
		For Class 56 Rating, Add	*2,188.68*	
40 05 19 00-2941	EA	20" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,002.00	821.84
		For Class 52 Rating, Deduct	*-853.25*	
		For Class 54 Rating, Add	*1,178.46*	
		For Class 55 Rating, Add	*1,759.65*	
		For Class 56 Rating, Add	*2,333.08*	
40 05 19 00-2942	EA	20" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,495.79	825.07
		For Class 52 Rating, Deduct	*-907.03*	
		For Class 54 Rating, Add	*1,251.86*	
		For Class 55 Rating, Add	*1,868.79*	
		For Class 56 Rating, Add	*2,477.48*	
40 05 19 00-2943	EA	20" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,989.59	828.28
		For Class 52 Rating, Deduct	*-960.81*	
		For Class 54 Rating, Add	*1,325.25*	
		For Class 55 Rating, Add	*1,977.94*	
		For Class 56 Rating, Add	*2,621.89*	
40 05 19 00-2944	EA	20" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,483.38	831.51
		For Class 52 Rating, Deduct	*-1,014.59*	
		For Class 54 Rating, Add	*1,398.65*	
		For Class 55 Rating, Add	*2,087.08*	
		For Class 56 Rating, Add	*2,766.29*	
40 05 19 00-2945	EA	20" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,977.18	834.73
		For Class 52 Rating, Deduct	*-1,068.37*	
		For Class 54 Rating, Add	*1,472.04*	
		For Class 55 Rating, Add	*2,196.23*	
		For Class 56 Rating, Add	*2,910.70*	
40 05 19 00-2946	EA	20" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,470.97	837.95
		For Class 52 Rating, Deduct	*-1,122.15*	
		For Class 54 Rating, Add	*1,545.44*	
		For Class 55 Rating, Add	*2,305.37*	
		For Class 56 Rating, Add	*3,055.10*	
40 05 19 00-2947	EA	20" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,964.76	841.18
		For Class 52 Rating, Deduct	*-1,175.93*	
		For Class 54 Rating, Add	*1,618.83*	
		For Class 55 Rating, Add	*2,414.51*	
		For Class 56 Rating, Add	*3,199.51*	
40 05 19 00-2948	EA	20" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,458.56	844.40
		For Class 52 Rating, Deduct	*-1,229.71*	
		For Class 54 Rating, Add	*1,692.23*	
		For Class 55 Rating, Add	*2,523.66*	
		For Class 56 Rating, Add	*3,343.91*	
40 05 19 00-2949	EA	20" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,952.35	847.62
		For Class 52 Rating, Deduct	*-1,283.49*	
		For Class 54 Rating, Add	*1,765.62*	
		For Class 55 Rating, Add	*2,632.80*	
		For Class 56 Rating, Add	*3,488.31*	
40 05 19 00-2950	EA	20" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,446.14	850.85
		For Class 52 Rating, Deduct	*-1,337.27*	
		For Class 54 Rating, Add	*1,839.02*	
		For Class 55 Rating, Add	*2,741.95*	
		For Class 56 Rating, Add	*3,632.72*	
40 05 19 00-2951	EA	20" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,939.93	854.07
		For Class 52 Rating, Deduct	*-1,391.05*	
		For Class 54 Rating, Add	*1,912.41*	
		For Class 55 Rating, Add	*2,851.09*	
		For Class 56 Rating, Add	*3,777.12*	
40 05 19 00-2952	EA	20" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,433.72	857.30
		For Class 52 Rating, Deduct	*-1,444.83*	
		For Class 54 Rating, Add	*1,985.81*	
		For Class 55 Rating, Add	*2,960.23*	
		For Class 56 Rating, Add	*3,921.53*	
40 05 19 00-2953	EA	20" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,927.52	860.51
		For Class 52 Rating, Deduct	*-1,498.61*	
		For Class 54 Rating, Add	*2,059.20*	
		For Class 55 Rating, Add	*3,069.38*	
		For Class 56 Rating, Add	*4,065.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2954	EA	20" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,421.31	863.74
		For Class 52 Rating, Deduct	*-1,552.39*	
		For Class 54 Rating, Add	*2,132.60*	
		For Class 55 Rating, Add	*3,178.52*	
		For Class 56 Rating, Add	*4,210.34*	
40 05 19 00-2955	EA	20" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,915.11	866.97
		For Class 52 Rating, Deduct	*-1,606.17*	
		For Class 54 Rating, Add	*2,205.99*	
		For Class 55 Rating, Add	*3,287.67*	
		For Class 56 Rating, Add	*4,354.74*	
40 05 19 00-2956	EA	20" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,408.90	870.18
		For Class 52 Rating, Deduct	*-1,659.95*	
		For Class 54 Rating, Add	*2,279.39*	
		For Class 55 Rating, Add	*3,396.81*	
		For Class 56 Rating, Add	*4,499.14*	
40 05 19 00-2957	EA	20" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,902.68	873.41
		For Class 52 Rating, Deduct	*-1,713.73*	
		For Class 54 Rating, Add	*2,352.78*	
		For Class 55 Rating, Add	*3,505.95*	
		For Class 56 Rating, Add	*4,643.55*	
40 05 19 00-2958	EA	20" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,396.48	876.63
		For Class 52 Rating, Deduct	*-1,767.51*	
		For Class 54 Rating, Add	*2,426.18*	
		For Class 55 Rating, Add	*3,615.10*	
		For Class 56 Rating, Add	*4,787.95*	
40 05 19 00-2959	EA	20" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,890.27	879.85
		For Class 52 Rating, Deduct	*-1,821.29*	
		For Class 54 Rating, Add	*2,499.57*	
		For Class 55 Rating, Add	*3,724.24*	
		For Class 56 Rating, Add	*4,932.35*	
40 05 19 00-2960	EA	20" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,384.07	883.08
		For Class 52 Rating, Deduct	*-1,875.07*	
		For Class 54 Rating, Add	*2,572.97*	
		For Class 55 Rating, Add	*3,833.39*	
		For Class 56 Rating, Add	*5,076.76*	
40 05 19 00-2961	EA	20" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,877.86	886.30
		For Class 52 Rating, Deduct	*-1,928.85*	
		For Class 54 Rating, Add	*2,646.36*	
		For Class 55 Rating, Add	*3,942.53*	
		For Class 56 Rating, Add	*5,221.16*	
40 05 19 00-2962	EA	20" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,371.65	889.52
		For Class 52 Rating, Deduct	*-1,982.63*	
		For Class 54 Rating, Add	*2,719.76*	
		For Class 55 Rating, Add	*4,051.67*	
		For Class 56 Rating, Add	*5,365.57*	
40 05 19 00-2963	EA	20" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,865.44	892.74
		For Class 52 Rating, Deduct	*-2,036.41*	
		For Class 54 Rating, Add	*2,793.15*	
		For Class 55 Rating, Add	*4,160.82*	
		For Class 56 Rating, Add	*5,509.97*	
40 05 19 00-2964	EA	20" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,359.23	895.97
		For Class 52 Rating, Deduct	*-2,090.19*	
		For Class 54 Rating, Add	*2,866.55*	
		For Class 55 Rating, Add	*4,269.96*	
		For Class 56 Rating, Add	*5,654.38*	
40 05 19 00-2965	EA	20" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,853.03	899.19
		For Class 52 Rating, Deduct	*-2,143.97*	
		For Class 54 Rating, Add	*2,939.94*	
		For Class 55 Rating, Add	*4,379.11*	
		For Class 56 Rating, Add	*5,798.78*	
40 05 19 00-2966	EA	20" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,346.82	902.41
		For Class 52 Rating, Deduct	*-2,197.75*	
		For Class 54 Rating, Add	*3,013.34*	
		For Class 55 Rating, Add	*4,488.25*	
		For Class 56 Rating, Add	*5,943.18*	
40 05 19 00-2967	EA	20" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,840.61	905.64
		For Class 52 Rating, Deduct	*-2,251.53*	
		For Class 54 Rating, Add	*3,086.73*	
		For Class 55 Rating, Add	*4,597.39*	
		For Class 56 Rating, Add	*6,087.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2968	EA	20" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,334.41	908.86
		For Class 52 Rating, Deduct	*-2,305.31*	
		For Class 54 Rating, Add	*3,160.13*	
		For Class 55 Rating, Add	*4,706.54*	
		For Class 56 Rating, Add	*6,231.99*	
40 05 19 00-2969	EA	20" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,828.20	912.08
		For Class 52 Rating, Deduct	*-2,359.09*	
		For Class 54 Rating, Add	*3,233.52*	
		For Class 55 Rating, Add	*4,815.68*	
		For Class 56 Rating, Add	*6,376.40*	
40 05 19 00-2970	EA	20" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,322.00	915.31
		For Class 52 Rating, Deduct	*-2,412.87*	
		For Class 54 Rating, Add	*3,306.92*	
		For Class 55 Rating, Add	*4,924.83*	
		For Class 56 Rating, Add	*6,520.80*	

40 05 19 00-2971 24" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*

40 05 19 00-2972	EA	24" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,280.68	941.08
		For Class 52 Rating, Deduct	*-534.03*	
		For Class 54 Rating, Add	*745.33*	
		For Class 55 Rating, Add	*1,116.84*	
		For Class 56 Rating, Add	*1,483.50*	
40 05 19 00-2973	EA	24" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,891.69	944.31
		For Class 52 Rating, Deduct	*-600.70*	
		For Class 54 Rating, Add	*836.31*	
		For Class 55 Rating, Add	*1,252.12*	
		For Class 56 Rating, Add	*1,662.48*	
40 05 19 00-2974	EA	24" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,502.71	947.54
		For Class 52 Rating, Deduct	*-667.38*	
		For Class 54 Rating, Add	*927.29*	
		For Class 55 Rating, Add	*1,387.41*	
		For Class 56 Rating, Add	*1,841.46*	
40 05 19 00-2975	EA	24" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,113.73	950.75
		For Class 52 Rating, Deduct	*-734.05*	
		For Class 54 Rating, Add	*1,018.26*	
		For Class 55 Rating, Add	*1,522.69*	
		For Class 56 Rating, Add	*2,020.45*	
40 05 19 00-2976	EA	24" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,724.74	953.98
		For Class 52 Rating, Deduct	*-800.73*	
		For Class 54 Rating, Add	*1,109.24*	
		For Class 55 Rating, Add	*1,657.98*	
		For Class 56 Rating, Add	*2,199.43*	
40 05 19 00-2977	EA	24" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,335.76	957.20
		For Class 52 Rating, Deduct	*-867.40*	
		For Class 54 Rating, Add	*1,200.22*	
		For Class 55 Rating, Add	*1,793.26*	
		For Class 56 Rating, Add	*2,378.42*	
40 05 19 00-2978	EA	24" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,946.78	960.42
		For Class 52 Rating, Deduct	*-934.07*	
		For Class 54 Rating, Add	*1,291.20*	
		For Class 55 Rating, Add	*1,928.55*	
		For Class 56 Rating, Add	*2,557.41*	
40 05 19 00-2979	EA	24" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,557.80	963.65
		For Class 52 Rating, Deduct	*-1,000.75*	
		For Class 54 Rating, Add	*1,382.18*	
		For Class 55 Rating, Add	*2,063.83*	
		For Class 56 Rating, Add	*2,736.39*	
40 05 19 00-2980	EA	24" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,168.81	966.87
		For Class 52 Rating, Deduct	*-1,067.42*	
		For Class 54 Rating, Add	*1,473.16*	
		For Class 55 Rating, Add	*2,199.12*	
		For Class 56 Rating, Add	*2,915.37*	
40 05 19 00-2981	EA	24" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,779.83	970.10
		For Class 52 Rating, Deduct	*-1,134.10*	
		For Class 54 Rating, Add	*1,564.14*	
		For Class 55 Rating, Add	*2,334.40*	
		For Class 56 Rating, Add	*3,094.36*	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2982	EA	24" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,390.84	973.31
		For Class 52 Rating, Deduct	*-1,200.77*	
		For Class 54 Rating, Add	*1,655.11*	
		For Class 55 Rating, Add	*2,469.69*	
		For Class 56 Rating, Add	*3,273.35*	
40 05 19 00-2983	EA	24" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,001.85	976.54
		For Class 52 Rating, Deduct	*-1,267.45*	
		For Class 54 Rating, Add	*1,746.09*	
		For Class 55 Rating, Add	*2,604.97*	
		For Class 56 Rating, Add	*3,452.33*	
40 05 19 00-2984	EA	24" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,612.88	979.77
		For Class 52 Rating, Deduct	*-1,334.12*	
		For Class 54 Rating, Add	*1,837.07*	
		For Class 55 Rating, Add	*2,740.26*	
		For Class 56 Rating, Add	*3,631.32*	
40 05 19 00-2985	EA	24" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,223.89	982.98
		For Class 52 Rating, Deduct	*-1,400.80*	
		For Class 54 Rating, Add	*1,928.05*	
		For Class 55 Rating, Add	*2,875.54*	
		For Class 56 Rating, Add	*3,810.30*	
40 05 19 00-2986	EA	24" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,834.90	986.21
		For Class 52 Rating, Deduct	*-1,467.47*	
		For Class 54 Rating, Add	*2,019.03*	
		For Class 55 Rating, Add	*3,010.83*	
		For Class 56 Rating, Add	*3,989.28*	
40 05 19 00-2987	EA	24" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,445.93	989.43
		For Class 52 Rating, Deduct	*-1,534.15*	
		For Class 54 Rating, Add	*2,110.01*	
		For Class 55 Rating, Add	*3,146.11*	
		For Class 56 Rating, Add	*4,168.27*	
40 05 19 00-2988	EA	24" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,056.94	992.65
		For Class 52 Rating, Deduct	*-1,600.82*	
		For Class 54 Rating, Add	*2,200.99*	
		For Class 55 Rating, Add	*3,281.40*	
		For Class 56 Rating, Add	*4,347.26*	
40 05 19 00-2989	EA	24" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,667.96	995.88
		For Class 52 Rating, Deduct	*-1,667.50*	
		For Class 54 Rating, Add	*2,291.96*	
		For Class 55 Rating, Add	*3,416.68*	
		For Class 56 Rating, Add	*4,526.24*	
40 05 19 00-2990	EA	24" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,278.98	999.10
		For Class 52 Rating, Deduct	*-1,734.17*	
		For Class 54 Rating, Add	*2,382.94*	
		For Class 55 Rating, Add	*3,551.97*	
		For Class 56 Rating, Add	*4,705.23*	
40 05 19 00-2991	EA	24" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,890.00	1,002.32
		For Class 52 Rating, Deduct	*-1,800.85*	
		For Class 54 Rating, Add	*2,473.92*	
		For Class 55 Rating, Add	*3,687.25*	
		For Class 56 Rating, Add	*4,884.21*	
40 05 19 00-2992	EA	24" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,501.01	1,005.55
		For Class 52 Rating, Deduct	*-1,867.52*	
		For Class 54 Rating, Add	*2,564.90*	
		For Class 55 Rating, Add	*3,822.54*	
		For Class 56 Rating, Add	*5,063.20*	
40 05 19 00-2993	EA	24" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,112.03	1,008.77
		For Class 52 Rating, Deduct	*-1,934.19*	
		For Class 54 Rating, Add	*2,655.88*	
		For Class 55 Rating, Add	*3,957.82*	
		For Class 56 Rating, Add	*5,242.18*	
40 05 19 00-2994	EA	24" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,723.04	1,011.99
		For Class 52 Rating, Deduct	*-2,000.87*	
		For Class 54 Rating, Add	*2,746.86*	
		For Class 55 Rating, Add	*4,093.11*	
		For Class 56 Rating, Add	*5,421.17*	
40 05 19 00-2995	EA	24" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,334.05	1,015.21
		For Class 52 Rating, Deduct	*-2,067.54*	
		For Class 54 Rating, Add	*2,837.84*	
		For Class 55 Rating, Add	*4,228.39*	
		For Class 56 Rating, Add	*5,600.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2996	EA	24" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,945.07	1,018.44
		For Class 52 Rating, Deduct	*-2,134.22*	
		For Class 54 Rating, Add	*2,928.82*	
		For Class 55 Rating, Add	*4,363.68*	
		For Class 56 Rating, Add	*5,779.14*	
40 05 19 00-2997	EA	24" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,556.09	1,021.67
		For Class 52 Rating, Deduct	*-2,200.89*	
		For Class 54 Rating, Add	*3,019.79*	
		For Class 55 Rating, Add	*4,498.96*	
		For Class 56 Rating, Add	*5,958.12*	
40 05 19 00-2998	EA	24" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,167.11	1,024.88
		For Class 52 Rating, Deduct	*-2,267.57*	
		For Class 54 Rating, Add	*3,110.77*	
		For Class 55 Rating, Add	*4,634.25*	
		For Class 56 Rating, Add	*6,137.11*	
40 05 19 00-2999	EA	24" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,778.13	1,028.11
		For Class 52 Rating, Deduct	*-2,334.24*	
		For Class 54 Rating, Add	*3,201.75*	
		For Class 55 Rating, Add	*4,769.53*	
		For Class 56 Rating, Add	*6,316.09*	
40 05 19 00-3000	EA	24" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,389.14	1,031.33
		For Class 52 Rating, Deduct	*-2,400.92*	
		For Class 54 Rating, Add	*3,292.73*	
		For Class 55 Rating, Add	*4,904.82*	
		For Class 56 Rating, Add	*6,495.08*	
40 05 19 00-3001	EA	24" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,083.17	1,089.34
		For Class 52 Rating, Deduct	*-2,467.59*	
		For Class 54 Rating, Add	*3,384.71*	
		For Class 55 Rating, Add	*5,042.10*	
		For Class 56 Rating, Add	*6,677.05*	
40 05 19 00-3002	EA	24" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,694.19	1,092.57
		For Class 52 Rating, Deduct	*-2,534.27*	
		For Class 54 Rating, Add	*3,475.68*	
		For Class 55 Rating, Add	*5,177.38*	
		For Class 56 Rating, Add	*6,856.04*	
40 05 19 00-3003	EA	24" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,305.20	1,095.78
		For Class 52 Rating, Deduct	*-2,600.94*	
		For Class 54 Rating, Add	*3,566.66*	
		For Class 55 Rating, Add	*5,312.66*	
		For Class 56 Rating, Add	*7,035.02*	
40 05 19 00-3004	EA	24" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,916.23	1,099.01
		For Class 52 Rating, Deduct	*-2,667.62*	
		For Class 54 Rating, Add	*3,657.64*	
		For Class 55 Rating, Add	*5,447.95*	
		For Class 56 Rating, Add	*7,214.01*	
40 05 19 00-3005	EA	24" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,527.24	1,102.24
		For Class 52 Rating, Deduct	*-2,734.29*	
		For Class 54 Rating, Add	*3,748.62*	
		For Class 55 Rating, Add	*5,583.23*	
		For Class 56 Rating, Add	*7,392.99*	
40 05 19 00-3006	EA	24" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,135.39	1,105.45
		For Class 52 Rating, Deduct	*-2,800.65*	
		For Class 54 Rating, Add	*3,839.17*	
		For Class 55 Rating, Add	*5,717.88*	
		For Class 56 Rating, Add	*7,571.13*	
40 05 19 00-3007	EA	24" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,749.28	1,108.68
		For Class 52 Rating, Deduct	*-2,867.64*	
		For Class 54 Rating, Add	*3,930.58*	
		For Class 55 Rating, Add	*5,853.81*	
		For Class 56 Rating, Add	*7,750.96*	
40 05 19 00-3008	EA	24" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,360.29	1,111.90
		For Class 52 Rating, Deduct	*-2,934.31*	
		For Class 54 Rating, Add	*4,021.55*	
		For Class 55 Rating, Add	*5,989.09*	
		For Class 56 Rating, Add	*7,929.95*	
40 05 19 00-3009	EA	24" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,971.31	1,115.12
		For Class 52 Rating, Deduct	*-3,000.99*	
		For Class 54 Rating, Add	*4,112.53*	
		For Class 55 Rating, Add	*6,124.37*	
		For Class 56 Rating, Add	*8,108.93*	

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LACWD LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3010		30" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*		
40 05 19 00-3011	EA	30" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,657.16	1,327.84
		For Class 52 Rating, Deduct	*-840.98*	
		For Class 54 Rating, Add	*1,170.94*	
		For Class 55 Rating, Add	*1,753.18*	
		For Class 56 Rating, Add	*2,327.79*	
40 05 19 00-3012	EA	30" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,531.21	1,331.06
		For Class 52 Rating, Deduct	*-936.59*	
		For Class 54 Rating, Add	*1,301.37*	
		For Class 55 Rating, Add	*1,947.13*	
		For Class 56 Rating, Add	*2,584.37*	
40 05 19 00-3013	EA	30" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,405.27	1,334.28
		For Class 52 Rating, Deduct	*-1,032.20*	
		For Class 54 Rating, Add	*1,431.80*	
		For Class 55 Rating, Add	*2,141.07*	
		For Class 56 Rating, Add	*2,840.95*	
40 05 19 00-3014	EA	30" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,279.32	1,337.51
		For Class 52 Rating, Deduct	*-1,127.81*	
		For Class 54 Rating, Add	*1,562.24*	
		For Class 55 Rating, Add	*2,335.01*	
		For Class 56 Rating, Add	*3,097.53*	
40 05 19 00-3015	EA	30" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,153.39	1,340.72
		For Class 52 Rating, Deduct	*-1,223.42*	
		For Class 54 Rating, Add	*1,692.67*	
		For Class 55 Rating, Add	*2,528.96*	
		For Class 56 Rating, Add	*3,354.11*	
40 05 19 00-3016	EA	30" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,027.44	1,343.95
		For Class 52 Rating, Deduct	*-1,319.03*	
		For Class 54 Rating, Add	*1,823.11*	
		For Class 55 Rating, Add	*2,722.90*	
		For Class 56 Rating, Add	*3,610.70*	
40 05 19 00-3017	EA	30" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,901.49	1,347.18
		For Class 52 Rating, Deduct	*-1,414.64*	
		For Class 54 Rating, Add	*1,953.54*	
		For Class 55 Rating, Add	*2,916.84*	
		For Class 56 Rating, Add	*3,867.28*	
40 05 19 00-3018	EA	30" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,775.55	1,350.40
		For Class 52 Rating, Deduct	*-1,510.24*	
		For Class 54 Rating, Add	*2,083.98*	
		For Class 55 Rating, Add	*3,110.78*	
		For Class 56 Rating, Add	*4,123.86*	
40 05 19 00-3019	EA	30" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,649.61	1,353.62
		For Class 52 Rating, Deduct	*-1,605.85*	
		For Class 54 Rating, Add	*2,214.41*	
		For Class 55 Rating, Add	*3,304.73*	
		For Class 56 Rating, Add	*4,380.44*	
40 05 19 00-3020	EA	30" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,523.67	1,356.84
		For Class 52 Rating, Deduct	*-1,701.46*	
		For Class 54 Rating, Add	*2,344.85*	
		For Class 55 Rating, Add	*3,498.67*	
		For Class 56 Rating, Add	*4,637.02*	
40 05 19 00-3021	EA	30" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,397.72	1,360.07
		For Class 52 Rating, Deduct	*-1,797.07*	
		For Class 54 Rating, Add	*2,475.28*	
		For Class 55 Rating, Add	*3,692.61*	
		For Class 56 Rating, Add	*4,893.60*	
40 05 19 00-3022	EA	30" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,271.77	1,363.29
		For Class 52 Rating, Deduct	*-1,892.68*	
		For Class 54 Rating, Add	*2,605.71*	
		For Class 55 Rating, Add	*3,886.55*	
		For Class 56 Rating, Add	*5,150.18*	
40 05 19 00-3023	EA	30" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,145.83	1,366.51
		For Class 52 Rating, Deduct	*-1,988.29*	
		For Class 54 Rating, Add	*2,736.15*	
		For Class 55 Rating, Add	*4,080.50*	
		For Class 56 Rating, Add	*5,406.77*	
40 05 19 00-3024	EA	30" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,019.88	1,369.74
		For Class 52 Rating, Deduct	*-2,083.90*	
		For Class 54 Rating, Add	*2,866.58*	
		For Class 55 Rating, Add	*4,274.44*	
		For Class 56 Rating, Add	*5,663.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3025	EA	30" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,893.94	1,372.95
		For Class 52 Rating, Deduct	*-2,179.51*	
		For Class 54 Rating, Add	*2,997.02*	
		For Class 55 Rating, Add	*4,468.38*	
		For Class 56 Rating, Add	*5,919.93*	
40 05 19 00-3026	EA	30" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,767.99	1,376.18
		For Class 52 Rating, Deduct	*-2,275.12*	
		For Class 54 Rating, Add	*3,127.45*	
		For Class 55 Rating, Add	*4,662.32*	
		For Class 56 Rating, Add	*6,176.51*	
40 05 19 00-3027	EA	30" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,642.05	1,379.41
		For Class 52 Rating, Deduct	*-2,370.73*	
		For Class 54 Rating, Add	*3,257.89*	
		For Class 55 Rating, Add	*4,856.27*	
		For Class 56 Rating, Add	*6,433.09*	
40 05 19 00-3028	EA	30" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,516.11	1,382.62
		For Class 52 Rating, Deduct	*-2,466.33*	
		For Class 54 Rating, Add	*3,388.32*	
		For Class 55 Rating, Add	*5,050.21*	
		For Class 56 Rating, Add	*6,689.68*	
40 05 19 00-3029	EA	30" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,390.16	1,385.85
		For Class 52 Rating, Deduct	*-2,561.94*	
		For Class 54 Rating, Add	*3,518.76*	
		For Class 55 Rating, Add	*5,244.15*	
		For Class 56 Rating, Add	*6,946.26*	
40 05 19 00-3030	EA	30" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,264.22	1,389.07
		For Class 52 Rating, Deduct	*-2,657.55*	
		For Class 54 Rating, Add	*3,649.19*	
		For Class 55 Rating, Add	*5,438.09*	
		For Class 56 Rating, Add	*7,202.84*	
40 05 19 00-3031	EA	30" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,138.28	1,392.29
		For Class 52 Rating, Deduct	*-2,753.16*	
		For Class 54 Rating, Add	*3,779.63*	
		For Class 55 Rating, Add	*5,632.04*	
		For Class 56 Rating, Add	*7,459.42*	
40 05 19 00-3032	EA	30" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,012.33	1,395.52
		For Class 52 Rating, Deduct	*-2,848.77*	
		For Class 54 Rating, Add	*3,910.06*	
		For Class 55 Rating, Add	*5,825.98*	
		For Class 56 Rating, Add	*7,716.00*	
40 05 19 00-3033	EA	30" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,886.39	1,398.74
		For Class 52 Rating, Deduct	*-2,944.38*	
		For Class 54 Rating, Add	*4,040.49*	
		For Class 55 Rating, Add	*6,019.92*	
		For Class 56 Rating, Add	*7,972.58*	
40 05 19 00-3034	EA	30" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,760.44	1,401.97
		For Class 52 Rating, Deduct	*-3,039.99*	
		For Class 54 Rating, Add	*4,170.93*	
		For Class 55 Rating, Add	*6,213.86*	
		For Class 56 Rating, Add	*8,229.16*	
40 05 19 00-3035	EA	30" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,634.50	1,405.18
		For Class 52 Rating, Deduct	*-3,135.60*	
		For Class 54 Rating, Add	*4,301.36*	
		For Class 55 Rating, Add	*6,407.81*	
		For Class 56 Rating, Add	*8,485.75*	
40 05 19 00-3036	EA	30" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,508.55	1,408.41
		For Class 52 Rating, Deduct	*-3,231.21*	
		For Class 54 Rating, Add	*4,431.80*	
		For Class 55 Rating, Add	*6,601.75*	
		For Class 56 Rating, Add	*8,742.33*	
40 05 19 00-3037	EA	30" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,382.60	1,411.64
		For Class 52 Rating, Deduct	*-3,326.81*	
		For Class 54 Rating, Add	*4,562.23*	
		For Class 55 Rating, Add	*6,795.69*	
		For Class 56 Rating, Add	*8,998.91*	
40 05 19 00-3038	EA	30" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,256.66	1,414.85
		For Class 52 Rating, Deduct	*-3,422.42*	
		For Class 54 Rating, Add	*4,692.67*	
		For Class 55 Rating, Add	*6,989.63*	
		For Class 56 Rating, Add	*9,255.49*	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3039	EA	30" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,130.72	1,418.08
		For Class 52 Rating, Deduct	*-3,518.03*	
		For Class 54 Rating, Add	*4,823.10*	
		For Class 55 Rating, Add	*7,183.58*	
		For Class 56 Rating, Add	*9,512.08*	
40 05 19 00-3040	EA	30" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,004.78	1,421.30
		For Class 52 Rating, Deduct	*-3,613.64*	
		For Class 54 Rating, Add	*4,953.54*	
		For Class 55 Rating, Add	*7,377.52*	
		For Class 56 Rating, Add	*9,768.66*	
40 05 19 00-3041	EA	30" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,878.83	1,424.52
		For Class 52 Rating, Deduct	*-3,709.25*	
		For Class 54 Rating, Add	*5,083.97*	
		For Class 55 Rating, Add	*7,571.46*	
		For Class 56 Rating, Add	*10,025.24*	
40 05 19 00-3042	EA	30" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,752.88	1,427.75
		For Class 52 Rating, Deduct	*-3,804.86*	
		For Class 54 Rating, Add	*5,214.40*	
		For Class 55 Rating, Add	*7,765.41*	
		For Class 56 Rating, Add	*10,281.82*	
40 05 19 00-3043	EA	30" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,626.95	1,430.97
		For Class 52 Rating, Deduct	*-3,900.47*	
		For Class 54 Rating, Add	*5,344.84*	
		For Class 55 Rating, Add	*7,959.35*	
		For Class 56 Rating, Add	*10,538.40*	
40 05 19 00-3044	EA	30" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	38,501.00	1,434.19
		For Class 52 Rating, Deduct	*-3,996.08*	
		For Class 54 Rating, Add	*5,475.27*	
		For Class 55 Rating, Add	*8,153.29*	
		For Class 56 Rating, Add	*10,794.98*	
40 05 19 00-3045	EA	30" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,375.06	1,437.41
		For Class 52 Rating, Deduct	*-4,091.69*	
		For Class 54 Rating, Add	*5,605.71*	
		For Class 55 Rating, Add	*8,347.23*	
		For Class 56 Rating, Add	*11,051.56*	

40 05 19 00-3046 36" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*

40 05 19 00-3047	EA	36" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,359.35	1,682.35
		For Class 52 Rating, Deduct	*-1,189.14*	
		For Class 54 Rating, Add	*1,652.14*	
		For Class 55 Rating, Add	*2,471.88*	
		For Class 56 Rating, Add	*3,280.81*	
40 05 19 00-3048	EA	36" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,530.75	1,685.58
		For Class 52 Rating, Deduct	*-1,317.45*	
		For Class 54 Rating, Add	*1,827.17*	
		For Class 55 Rating, Add	*2,732.13*	
		For Class 56 Rating, Add	*3,625.11*	
40 05 19 00-3049	EA	36" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,702.16	1,688.81
		For Class 52 Rating, Deduct	*-1,445.77*	
		For Class 54 Rating, Add	*2,002.21*	
		For Class 55 Rating, Add	*2,992.38*	
		For Class 56 Rating, Add	*3,969.41*	
40 05 19 00-3050	EA	36" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,873.57	1,692.02
		For Class 52 Rating, Deduct	*-1,574.09*	
		For Class 54 Rating, Add	*2,177.25*	
		For Class 55 Rating, Add	*3,252.64*	
		For Class 56 Rating, Add	*4,313.71*	
40 05 19 00-3051	EA	36" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,044.98	1,695.25
		For Class 52 Rating, Deduct	*-1,702.41*	
		For Class 54 Rating, Add	*2,352.29*	
		For Class 55 Rating, Add	*3,512.89*	
		For Class 56 Rating, Add	*4,658.01*	
40 05 19 00-3052	EA	36" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,216.38	1,698.47
		For Class 52 Rating, Deduct	*-1,830.72*	
		For Class 54 Rating, Add	*2,527.32*	
		For Class 55 Rating, Add	*3,773.14*	
		For Class 56 Rating, Add	*5,002.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3053	EA	36" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,387.78	1,701.69
		For Class 52 Rating, Deduct	*-1,959.04*	
		For Class 54 Rating, Add	*2,702.36*	
		For Class 55 Rating, Add	*4,033.39*	
		For Class 56 Rating, Add	*5,346.61*	
40 05 19 00-3054	EA	36" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,559.19	1,704.92
		For Class 52 Rating, Deduct	*-2,087.36*	
		For Class 54 Rating, Add	*2,877.40*	
		For Class 55 Rating, Add	*4,293.64*	
		For Class 56 Rating, Add	*5,690.91*	
40 05 19 00-3055	EA	36" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,730.59	1,708.14
		For Class 52 Rating, Deduct	*-2,215.68*	
		For Class 54 Rating, Add	*3,052.43*	
		For Class 55 Rating, Add	*4,553.89*	
		For Class 56 Rating, Add	*6,035.21*	
40 05 19 00-3056	EA	36" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,902.00	1,711.36
		For Class 52 Rating, Deduct	*-2,343.99*	
		For Class 54 Rating, Add	*3,227.47*	
		For Class 55 Rating, Add	*4,814.14*	
		For Class 56 Rating, Add	*6,379.51*	
40 05 19 00-3057	EA	36" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,073.40	1,714.58
		For Class 52 Rating, Deduct	*-2,472.31*	
		For Class 54 Rating, Add	*3,402.51*	
		For Class 55 Rating, Add	*5,074.39*	
		For Class 56 Rating, Add	*6,723.81*	
40 05 19 00-3058	EA	36" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,244.80	1,717.81
		For Class 52 Rating, Deduct	*-2,600.63*	
		For Class 54 Rating, Add	*3,577.54*	
		For Class 55 Rating, Add	*5,334.65*	
		For Class 56 Rating, Add	*7,068.11*	
40 05 19 00-3059	EA	36" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,416.20	1,721.03
		For Class 52 Rating, Deduct	*-2,728.94*	
		For Class 54 Rating, Add	*3,752.58*	
		For Class 55 Rating, Add	*5,594.90*	
		For Class 56 Rating, Add	*7,412.41*	
40 05 19 00-3060	EA	36" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,587.61	1,724.25
		For Class 52 Rating, Deduct	*-2,857.26*	
		For Class 54 Rating, Add	*3,927.62*	
		For Class 55 Rating, Add	*5,855.15*	
		For Class 56 Rating, Add	*7,756.71*	
40 05 19 00-3061	EA	36" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,759.02	1,727.48
		For Class 52 Rating, Deduct	*-2,985.58*	
		For Class 54 Rating, Add	*4,102.65*	
		For Class 55 Rating, Add	*6,115.40*	
		For Class 56 Rating, Add	*8,101.01*	
40 05 19 00-3062	EA	36" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,930.42	1,730.70
		For Class 52 Rating, Deduct	*-3,113.90*	
		For Class 54 Rating, Add	*4,277.69*	
		For Class 55 Rating, Add	*6,375.65*	
		For Class 56 Rating, Add	*8,445.31*	
40 05 19 00-3063	EA	36" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,101.82	1,733.92
		For Class 52 Rating, Deduct	*-3,242.21*	
		For Class 54 Rating, Add	*4,452.73*	
		For Class 55 Rating, Add	*6,635.90*	
		For Class 56 Rating, Add	*8,789.61*	
40 05 19 00-3064	EA	36" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,273.23	1,737.15
		For Class 52 Rating, Deduct	*-3,370.53*	
		For Class 54 Rating, Add	*4,627.76*	
		For Class 55 Rating, Add	*6,896.15*	
		For Class 56 Rating, Add	*9,133.90*	
40 05 19 00-3065	EA	36" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,444.63	1,740.37
		For Class 52 Rating, Deduct	*-3,498.85*	
		For Class 54 Rating, Add	*4,802.80*	
		For Class 55 Rating, Add	*7,156.41*	
		For Class 56 Rating, Add	*9,478.20*	
40 05 19 00-3066	EA	36" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,616.04	1,743.59
		For Class 52 Rating, Deduct	*-3,627.17*	
		For Class 54 Rating, Add	*4,977.84*	
		For Class 55 Rating, Add	*7,416.66*	
		For Class 56 Rating, Add	*9,822.50*	

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LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3067	EA	36" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,787.44	1,746.81
		For Class 52 Rating, Deduct	*-3,755.48*	
		For Class 54 Rating, Add	*5,152.87*	
		For Class 55 Rating, Add	*7,676.91*	
		For Class 56 Rating, Add	*10,166.80*	
40 05 19 00-3068	EA	36" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,958.84	1,750.04
		For Class 52 Rating, Deduct	*-3,883.80*	
		For Class 54 Rating, Add	*5,327.91*	
		For Class 55 Rating, Add	*7,937.16*	
		For Class 56 Rating, Add	*10,511.10*	
40 05 19 00-3069	EA	36" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,130.25	1,753.26
		For Class 52 Rating, Deduct	*-4,012.12*	
		For Class 54 Rating, Add	*5,502.95*	
		For Class 55 Rating, Add	*8,197.41*	
		For Class 56 Rating, Add	*10,855.40*	
40 05 19 00-3070	EA	36" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,301.65	1,756.48
		For Class 52 Rating, Deduct	*-4,140.43*	
		For Class 54 Rating, Add	*5,677.98*	
		For Class 55 Rating, Add	*8,457.66*	
		For Class 56 Rating, Add	*11,199.70*	
40 05 19 00-3071	EA	36" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,473.07	1,759.71
		For Class 52 Rating, Deduct	*-4,268.75*	
		For Class 54 Rating, Add	*5,853.02*	
		For Class 55 Rating, Add	*8,717.91*	
		For Class 56 Rating, Add	*11,544.00*	
40 05 19 00-3072	EA	36" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	42,644.46	1,762.93
		For Class 52 Rating, Deduct	*-4,397.07*	
		For Class 54 Rating, Add	*6,028.06*	
		For Class 55 Rating, Add	*8,978.17*	
		For Class 56 Rating, Add	*11,888.30*	
40 05 19 00-3073	EA	36" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	43,815.86	1,766.15
		For Class 52 Rating, Deduct	*-4,525.39*	
		For Class 54 Rating, Add	*6,203.09*	
		For Class 55 Rating, Add	*9,238.42*	
		For Class 56 Rating, Add	*12,232.60*	
40 05 19 00-3074	EA	36" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	44,987.27	1,769.38
		For Class 52 Rating, Deduct	*-4,653.70*	
		For Class 54 Rating, Add	*6,378.13*	
		For Class 55 Rating, Add	*9,498.67*	
		For Class 56 Rating, Add	*12,576.90*	
40 05 19 00-3075	EA	36" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	46,158.67	1,772.59
		For Class 52 Rating, Deduct	*-4,782.02*	
		For Class 54 Rating, Add	*6,553.17*	
		For Class 55 Rating, Add	*9,758.92*	
		For Class 56 Rating, Add	*12,921.20*	
40 05 19 00-3076	EA	36" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	47,330.08	1,775.82
		For Class 52 Rating, Deduct	*-4,910.34*	
		For Class 54 Rating, Add	*6,728.20*	
		For Class 55 Rating, Add	*10,019.17*	
		For Class 56 Rating, Add	*13,265.50*	
40 05 19 00-3077	EA	36" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	48,501.48	1,779.05
		For Class 52 Rating, Deduct	*-5,038.66*	
		For Class 54 Rating, Add	*6,903.24*	
		For Class 55 Rating, Add	*10,279.42*	
		For Class 56 Rating, Add	*13,609.80*	
40 05 19 00-3078	EA	36" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	49,672.88	1,782.26
		For Class 52 Rating, Deduct	*-5,166.97*	
		For Class 54 Rating, Add	*7,078.28*	
		For Class 55 Rating, Add	*10,539.67*	
		For Class 56 Rating, Add	*13,954.10*	
40 05 19 00-3079	EA	36" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	50,844.29	1,785.49
		For Class 52 Rating, Deduct	*-5,295.29*	
		For Class 54 Rating, Add	*7,253.31*	
		For Class 55 Rating, Add	*10,799.92*	
		For Class 56 Rating, Add	*14,298.40*	
40 05 19 00-3080	EA	36" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	52,015.69	1,788.71
		For Class 52 Rating, Deduct	*-5,423.61*	
		For Class 54 Rating, Add	*7,428.35*	
		For Class 55 Rating, Add	*11,060.18*	
		For Class 56 Rating, Add	*14,642.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3081	EA	36" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	53,187.11	1,791.94
		For Class 52 Rating, Deduct	*-5,551.93*	
		For Class 54 Rating, Add	*7,603.39*	
		For Class 55 Rating, Add	*11,320.43*	
		For Class 56 Rating, Add	*14,987.00*	

40 05 19 00-3082 Flanged End x Plain End (FxPE), Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2073)*

40 05 19 00-3083 4" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

40 05 19 00-3084	EA	4" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	722.00	157.62
		For Class 52 Rating, Deduct	*-53.15*	
		For Class 54 Rating, Add	*75.34*	
		For Class 55 Rating, Add	*113.48*	
		For Class 56 Rating, Add	*151.14*	
40 05 19 00-3085	EA	4" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	834.83	160.37
		For Class 52 Rating, Deduct	*-65.10*	
		For Class 54 Rating, Add	*91.69*	
		For Class 55 Rating, Add	*137.81*	
		For Class 56 Rating, Add	*183.34*	
40 05 19 00-3086	EA	4" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	947.64	163.13
		For Class 52 Rating, Deduct	*-77.05*	
		For Class 54 Rating, Add	*108.04*	
		For Class 55 Rating, Add	*162.14*	
		For Class 56 Rating, Add	*215.54*	
40 05 19 00-3087	EA	4" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,060.47	165.88
		For Class 52 Rating, Deduct	*-89.00*	
		For Class 54 Rating, Add	*124.39*	
		For Class 55 Rating, Add	*186.47*	
		For Class 56 Rating, Add	*247.74*	
40 05 19 00-3088	EA	4" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,173.29	168.64
		For Class 52 Rating, Deduct	*-100.96*	
		For Class 54 Rating, Add	*140.73*	
		For Class 55 Rating, Add	*210.80*	
		For Class 56 Rating, Add	*279.94*	
40 05 19 00-3089	EA	4" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,286.11	171.40
		For Class 52 Rating, Deduct	*-112.91*	
		For Class 54 Rating, Add	*157.08*	
		For Class 55 Rating, Add	*235.12*	
		For Class 56 Rating, Add	*312.14*	
40 05 19 00-3090	EA	4" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,398.93	174.16
		For Class 52 Rating, Deduct	*-124.86*	
		For Class 54 Rating, Add	*173.43*	
		For Class 55 Rating, Add	*259.45*	
		For Class 56 Rating, Add	*344.34*	
40 05 19 00-3091	EA	4" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,511.76	176.91
		For Class 52 Rating, Deduct	*-136.81*	
		For Class 54 Rating, Add	*189.77*	
		For Class 55 Rating, Add	*283.78*	
		For Class 56 Rating, Add	*376.55*	
40 05 19 00-3092	EA	4" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,624.58	179.67
		For Class 52 Rating, Deduct	*-148.76*	
		For Class 54 Rating, Add	*206.12*	
		For Class 55 Rating, Add	*308.11*	
		For Class 56 Rating, Add	*408.75*	
40 05 19 00-3093	EA	4" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,737.40	182.42
		For Class 52 Rating, Deduct	*-160.71*	
		For Class 54 Rating, Add	*222.47*	
		For Class 55 Rating, Add	*332.44*	
		For Class 56 Rating, Add	*440.95*	
40 05 19 00-3094	EA	4" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,850.22	185.17
		For Class 52 Rating, Deduct	*-172.66*	
		For Class 54 Rating, Add	*238.82*	
		For Class 55 Rating, Add	*356.77*	
		For Class 56 Rating, Add	*473.15*	
40 05 19 00-3095	EA	4" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,963.04	187.93
		For Class 52 Rating, Deduct	*-184.61*	
		For Class 54 Rating, Add	*255.16*	
		For Class 55 Rating, Add	*381.09*	
		For Class 56 Rating, Add	*505.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3096	EA	4" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,075.87	190.69
		For Class 52 Rating, Deduct	*-196.56*	
		For Class 54 Rating, Add	*271.51*	
		For Class 55 Rating, Add	*405.42*	
		For Class 56 Rating, Add	*537.55*	
40 05 19 00-3097	EA	4" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,188.69	193.45
		For Class 52 Rating, Deduct	*-208.52*	
		For Class 54 Rating, Add	*287.86*	
		For Class 55 Rating, Add	*429.75*	
		For Class 56 Rating, Add	*569.75*	
40 05 19 00-3098	EA	4" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,301.50	196.20
		For Class 52 Rating, Deduct	*-220.47*	
		For Class 54 Rating, Add	*304.20*	
		For Class 55 Rating, Add	*454.08*	
		For Class 56 Rating, Add	*601.95*	
40 05 19 00-3099	EA	4" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,414.32	198.96
		For Class 52 Rating, Deduct	*-232.42*	
		For Class 54 Rating, Add	*320.55*	
		For Class 55 Rating, Add	*478.41*	
		For Class 56 Rating, Add	*634.15*	
40 05 19 00-3100	EA	4" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,527.16	201.72
		For Class 52 Rating, Deduct	*-244.37*	
		For Class 54 Rating, Add	*336.90*	
		For Class 55 Rating, Add	*502.74*	
		For Class 56 Rating, Add	*666.36*	
40 05 19 00-3101	EA	4" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,639.97	204.46
		For Class 52 Rating, Deduct	*-256.32*	
		For Class 54 Rating, Add	*353.24*	
		For Class 55 Rating, Add	*527.07*	
		For Class 56 Rating, Add	*698.56*	
40 05 19 00-3102	EA	4" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,752.79	207.22
		For Class 52 Rating, Deduct	*-268.27*	
		For Class 54 Rating, Add	*369.59*	
		For Class 55 Rating, Add	*551.39*	
		For Class 56 Rating, Add	*730.76*	
40 05 19 00-3103	EA	4" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,865.62	209.98
		For Class 52 Rating, Deduct	*-280.22*	
		For Class 54 Rating, Add	*385.94*	
		For Class 55 Rating, Add	*575.72*	
		For Class 56 Rating, Add	*762.96*	
40 05 19 00-3104	EA	4" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,978.44	212.73
		For Class 52 Rating, Deduct	*-292.17*	
		For Class 54 Rating, Add	*402.29*	
		For Class 55 Rating, Add	*600.05*	
		For Class 56 Rating, Add	*795.16*	
40 05 19 00-3105	EA	4" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,091.26	215.48
		For Class 52 Rating, Deduct	*-304.12*	
		For Class 54 Rating, Add	*418.63*	
		For Class 55 Rating, Add	*624.38*	
		For Class 56 Rating, Add	*827.36*	
40 05 19 00-3106	EA	4" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,204.08	218.24
		For Class 52 Rating, Deduct	*-316.08*	
		For Class 54 Rating, Add	*434.98*	
		For Class 55 Rating, Add	*648.71*	
		For Class 56 Rating, Add	*859.56*	
40 05 19 00-3107	EA	4" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,316.90	221.00
		For Class 52 Rating, Deduct	*-328.03*	
		For Class 54 Rating, Add	*451.33*	
		For Class 55 Rating, Add	*673.04*	
		For Class 56 Rating, Add	*891.76*	
40 05 19 00-3108	EA	4" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,709.92	223.75
		For Class 52 Rating, Deduct	*-370.80*	
		For Class 54 Rating, Add	*509.70*	
		For Class 55 Rating, Add	*759.85*	
		For Class 56 Rating, Add	*1,006.62*	
40 05 19 00-3109	EA	4" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,822.74	226.50
		For Class 52 Rating, Deduct	*-382.75*	
		For Class 54 Rating, Add	*526.05*	
		For Class 55 Rating, Add	*784.18*	
		For Class 56 Rating, Add	*1,038.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3110	EA	4" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,935.56	229.26
		For Class 52 Rating, Deduct	*-394.70*	
		For Class 54 Rating, Add	*542.40*	
		For Class 55 Rating, Add	*808.51*	
		For Class 56 Rating, Add	*1,071.02*	
40 05 19 00-3111	EA	4" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,048.38	232.02
		For Class 52 Rating, Deduct	*-406.65*	
		For Class 54 Rating, Add	*558.74*	
		For Class 55 Rating, Add	*832.83*	
		For Class 56 Rating, Add	*1,103.22*	
40 05 19 00-3112	EA	4" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,161.21	234.77
		For Class 52 Rating, Deduct	*-418.60*	
		For Class 54 Rating, Add	*575.09*	
		For Class 55 Rating, Add	*857.16*	
		For Class 56 Rating, Add	*1,135.43*	
40 05 19 00-3113	EA	4" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,274.03	237.53
		For Class 52 Rating, Deduct	*-430.56*	
		For Class 54 Rating, Add	*591.44*	
		For Class 55 Rating, Add	*881.49*	
		For Class 56 Rating, Add	*1,167.63*	
40 05 19 00-3114	EA	4" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,386.85	240.29
		For Class 52 Rating, Deduct	*-442.51*	
		For Class 54 Rating, Add	*607.79*	
		For Class 55 Rating, Add	*905.82*	
		For Class 56 Rating, Add	*1,199.83*	
40 05 19 00-3115	EA	4" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,499.67	243.05
		For Class 52 Rating, Deduct	*-454.46*	
		For Class 54 Rating, Add	*624.13*	
		For Class 55 Rating, Add	*930.15*	
		For Class 56 Rating, Add	*1,232.03*	
40 05 19 00-3116	EA	4" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,612.50	245.80
		For Class 52 Rating, Deduct	*-466.41*	
		For Class 54 Rating, Add	*640.48*	
		For Class 55 Rating, Add	*954.48*	
		For Class 56 Rating, Add	*1,264.23*	
40 05 19 00-3117	EA	4" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,725.31	248.55
		For Class 52 Rating, Deduct	*-478.36*	
		For Class 54 Rating, Add	*656.83*	
		For Class 55 Rating, Add	*978.80*	
		For Class 56 Rating, Add	*1,296.43*	
40 05 19 00-3118	EA	4" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,838.14	251.31
		For Class 52 Rating, Deduct	*-490.31*	
		For Class 54 Rating, Add	*673.17*	
		For Class 55 Rating, Add	*1,003.13*	
		For Class 56 Rating, Add	*1,328.63*	
40 05 19 00-3119	EA	4" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,950.95	254.06
		For Class 52 Rating, Deduct	*-502.26*	
		For Class 54 Rating, Add	*689.52*	
		For Class 55 Rating, Add	*1,027.46*	
		For Class 56 Rating, Add	*1,360.83*	
40 05 19 00-3120	EA	4" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,063.77	256.82
		For Class 52 Rating, Deduct	*-514.21*	
		For Class 54 Rating, Add	*705.87*	
		For Class 55 Rating, Add	*1,051.79*	
		For Class 56 Rating, Add	*1,393.03*	
40 05 19 00-3121	EA	4" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,176.60	259.58
		For Class 52 Rating, Deduct	*-526.16*	
		For Class 54 Rating, Add	*722.22*	
		For Class 55 Rating, Add	*1,076.12*	
		For Class 56 Rating, Add	*1,425.23*	
40 05 19 00-3122	EA	4" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,289.42	262.34
		For Class 52 Rating, Deduct	*-538.11*	
		For Class 54 Rating, Add	*738.56*	
		For Class 55 Rating, Add	*1,100.44*	
		For Class 56 Rating, Add	*1,457.43*	

40 05 19 00-3123 6" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3124	EA	6" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	886.73	198.40
		For Class 52 Rating, Deduct	*-64.47*	
		For Class 54 Rating, Add	*91.53*	
		For Class 55 Rating, Add	*137.92*	
		For Class 56 Rating, Add	*183.73*	
40 05 19 00-3125	EA	6" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,016.70	201.16
		For Class 52 Rating, Deduct	*-78.31*	
		For Class 54 Rating, Add	*110.45*	
		For Class 55 Rating, Add	*166.07*	
		For Class 56 Rating, Add	*220.99*	
40 05 19 00-3126	EA	6" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,146.68	203.91
		For Class 52 Rating, Deduct	*-92.15*	
		For Class 54 Rating, Add	*129.37*	
		For Class 55 Rating, Add	*194.23*	
		For Class 56 Rating, Add	*258.25*	
40 05 19 00-3127	EA	6" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,276.66	206.67
		For Class 52 Rating, Deduct	*-105.99*	
		For Class 54 Rating, Add	*148.29*	
		For Class 55 Rating, Add	*222.38*	
		For Class 56 Rating, Add	*295.51*	
40 05 19 00-3128	EA	6" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,406.63	209.43
		For Class 52 Rating, Deduct	*-119.83*	
		For Class 54 Rating, Add	*167.21*	
		For Class 55 Rating, Add	*250.53*	
		For Class 56 Rating, Add	*332.77*	
40 05 19 00-3129	EA	6" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,536.61	212.17
		For Class 52 Rating, Deduct	*-133.66*	
		For Class 54 Rating, Add	*186.13*	
		For Class 55 Rating, Add	*278.69*	
		For Class 56 Rating, Add	*370.04*	
40 05 19 00-3130	EA	6" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,666.59	214.93
		For Class 52 Rating, Deduct	*-147.50*	
		For Class 54 Rating, Add	*205.05*	
		For Class 55 Rating, Add	*306.84*	
		For Class 56 Rating, Add	*407.30*	
40 05 19 00-3131	EA	6" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,796.57	217.69
		For Class 52 Rating, Deduct	*-161.34*	
		For Class 54 Rating, Add	*223.97*	
		For Class 55 Rating, Add	*335.00*	
		For Class 56 Rating, Add	*444.56*	
40 05 19 00-3132	EA	6" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,926.54	220.45
		For Class 52 Rating, Deduct	*-175.18*	
		For Class 54 Rating, Add	*242.89*	
		For Class 55 Rating, Add	*363.15*	
		For Class 56 Rating, Add	*481.82*	
40 05 19 00-3133	EA	6" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,056.51	223.20
		For Class 52 Rating, Deduct	*-189.02*	
		For Class 54 Rating, Add	*261.81*	
		For Class 55 Rating, Add	*391.30*	
		For Class 56 Rating, Add	*519.08*	
40 05 19 00-3134	EA	6" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,186.49	225.96
		For Class 52 Rating, Deduct	*-202.85*	
		For Class 54 Rating, Add	*280.73*	
		For Class 55 Rating, Add	*419.46*	
		For Class 56 Rating, Add	*556.34*	
40 05 19 00-3135	EA	6" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,316.47	228.72
		For Class 52 Rating, Deduct	*-216.69*	
		For Class 54 Rating, Add	*299.65*	
		For Class 55 Rating, Add	*447.61*	
		For Class 56 Rating, Add	*593.60*	
40 05 19 00-3136	EA	6" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,446.45	231.47
		For Class 52 Rating, Deduct	*-230.53*	
		For Class 54 Rating, Add	*318.57*	
		For Class 55 Rating, Add	*475.77*	
		For Class 56 Rating, Add	*630.87*	
40 05 19 00-3137	EA	6" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,576.42	234.22
		For Class 52 Rating, Deduct	*-244.37*	
		For Class 54 Rating, Add	*337.49*	
		For Class 55 Rating, Add	*503.92*	
		For Class 56 Rating, Add	*668.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3138	EA	6" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,706.40	236.98
		For Class 52 Rating, Deduct	*-258.21*	
		For Class 54 Rating, Add	*356.41*	
		For Class 55 Rating, Add	*532.07*	
		For Class 56 Rating, Add	*705.39*	
40 05 19 00-3139	EA	6" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,836.38	239.74
		For Class 52 Rating, Deduct	*-272.05*	
		For Class 54 Rating, Add	*375.33*	
		For Class 55 Rating, Add	*560.23*	
		For Class 56 Rating, Add	*742.65*	
40 05 19 00-3140	EA	6" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,966.35	242.49
		For Class 52 Rating, Deduct	*-285.88*	
		For Class 54 Rating, Add	*394.25*	
		For Class 55 Rating, Add	*588.38*	
		For Class 56 Rating, Add	*779.91*	
40 05 19 00-3141	EA	6" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,096.33	245.25
		For Class 52 Rating, Deduct	*-299.72*	
		For Class 54 Rating, Add	*413.17*	
		For Class 55 Rating, Add	*616.54*	
		For Class 56 Rating, Add	*817.18*	
40 05 19 00-3142	EA	6" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,226.30	248.01
		For Class 52 Rating, Deduct	*-313.56*	
		For Class 54 Rating, Add	*432.09*	
		For Class 55 Rating, Add	*644.69*	
		For Class 56 Rating, Add	*854.44*	
40 05 19 00-3143	EA	6" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,356.28	250.77
		For Class 52 Rating, Deduct	*-327.40*	
		For Class 54 Rating, Add	*451.01*	
		For Class 55 Rating, Add	*672.84*	
		For Class 56 Rating, Add	*891.70*	
40 05 19 00-3144	EA	6" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,486.26	253.51
		For Class 52 Rating, Deduct	*-341.24*	
		For Class 54 Rating, Add	*469.93*	
		For Class 55 Rating, Add	*701.00*	
		For Class 56 Rating, Add	*928.96*	
40 05 19 00-3145	EA	6" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,616.24	256.27
		For Class 52 Rating, Deduct	*-355.07*	
		For Class 54 Rating, Add	*488.85*	
		For Class 55 Rating, Add	*729.15*	
		For Class 56 Rating, Add	*966.22*	
40 05 19 00-3146	EA	6" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,746.21	259.02
		For Class 52 Rating, Deduct	*-368.91*	
		For Class 54 Rating, Add	*507.77*	
		For Class 55 Rating, Add	*757.31*	
		For Class 56 Rating, Add	*1,003.48*	
40 05 19 00-3147	EA	6" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,876.19	261.77
		For Class 52 Rating, Deduct	*-382.75*	
		For Class 54 Rating, Add	*526.69*	
		For Class 55 Rating, Add	*785.46*	
		For Class 56 Rating, Add	*1,040.75*	
40 05 19 00-3148	EA	6" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,006.16	264.53
		For Class 52 Rating, Deduct	*-396.59*	
		For Class 54 Rating, Add	*545.61*	
		For Class 55 Rating, Add	*813.61*	
		For Class 56 Rating, Add	*1,078.01*	
40 05 19 00-3149	EA	6" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,136.14	267.29
		For Class 52 Rating, Deduct	*-410.43*	
		For Class 54 Rating, Add	*564.53*	
		For Class 55 Rating, Add	*841.77*	
		For Class 56 Rating, Add	*1,115.27*	
40 05 19 00-3150	EA	6" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,266.11	270.05
		For Class 52 Rating, Deduct	*-424.26*	
		For Class 54 Rating, Add	*583.45*	
		For Class 55 Rating, Add	*869.92*	
		For Class 56 Rating, Add	*1,152.53*	
40 05 19 00-3151	EA	6" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,396.08	272.80
		For Class 52 Rating, Deduct	*-438.10*	
		For Class 54 Rating, Add	*602.37*	
		For Class 55 Rating, Add	*898.07*	
		For Class 56 Rating, Add	*1,189.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3152	EA	6" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,526.08	275.56
		For Class 52 Rating, Deduct	*-451.94*	
		For Class 54 Rating, Add	*621.29*	
		For Class 55 Rating, Add	*926.23*	
		For Class 56 Rating, Add	*1,227.06*	
40 05 19 00-3153	EA	6" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,656.05	278.32
		For Class 52 Rating, Deduct	*-465.78*	
		For Class 54 Rating, Add	*640.21*	
		For Class 55 Rating, Add	*954.38*	
		For Class 56 Rating, Add	*1,264.32*	
40 05 19 00-3154	EA	6" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,786.02	281.06
		For Class 52 Rating, Deduct	*-479.62*	
		For Class 54 Rating, Add	*659.13*	
		For Class 55 Rating, Add	*982.54*	
		For Class 56 Rating, Add	*1,301.58*	
40 05 19 00-3155	EA	6" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,915.99	283.82
		For Class 52 Rating, Deduct	*-493.46*	
		For Class 54 Rating, Add	*678.05*	
		For Class 55 Rating, Add	*1,010.69*	
		For Class 56 Rating, Add	*1,338.84*	
40 05 19 00-3156	EA	6" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,045.98	286.58
		For Class 52 Rating, Deduct	*-507.29*	
		For Class 54 Rating, Add	*696.97*	
		For Class 55 Rating, Add	*1,038.84*	
		For Class 56 Rating, Add	*1,376.10*	
40 05 19 00-3157	EA	6" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,175.95	289.34
		For Class 52 Rating, Deduct	*-521.13*	
		For Class 54 Rating, Add	*715.89*	
		For Class 55 Rating, Add	*1,067.00*	
		For Class 56 Rating, Add	*1,413.36*	
40 05 19 00-3158	EA	6" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,305.92	292.09
		For Class 52 Rating, Deduct	*-534.97*	
		For Class 54 Rating, Add	*734.81*	
		For Class 55 Rating, Add	*1,095.15*	
		For Class 56 Rating, Add	*1,450.62*	
40 05 19 00-3159	EA	6" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,435.89	294.85
		For Class 52 Rating, Deduct	*-548.81*	
		For Class 54 Rating, Add	*753.73*	
		For Class 55 Rating, Add	*1,123.30*	
		For Class 56 Rating, Add	*1,487.88*	
40 05 19 00-3160	EA	6" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,565.89	297.61
		For Class 52 Rating, Deduct	*-562.65*	
		For Class 54 Rating, Add	*772.66*	
		For Class 55 Rating, Add	*1,151.46*	
		For Class 56 Rating, Add	*1,525.15*	
40 05 19 00-3161	EA	6" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,695.86	300.35
		For Class 52 Rating, Deduct	*-576.48*	
		For Class 54 Rating, Add	*791.58*	
		For Class 55 Rating, Add	*1,179.61*	
		For Class 56 Rating, Add	*1,562.41*	
40 05 19 00-3162	EA	6" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,825.83	303.11
		For Class 52 Rating, Deduct	*-590.32*	
		For Class 54 Rating, Add	*810.50*	
		For Class 55 Rating, Add	*1,207.77*	
		For Class 56 Rating, Add	*1,599.67*	

40 05 19 00-3163 8" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

40 05 19 00-3164	EA	8" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,210.40	253.51
		For Class 52 Rating, Deduct	*-90.89*	
		For Class 54 Rating, Add	*128.55*	
		For Class 55 Rating, Add	*193.48*	
		For Class 56 Rating, Add	*257.58*	
40 05 19 00-3165	EA	8" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,377.55	256.27
		For Class 52 Rating, Deduct	*-108.82*	
		For Class 54 Rating, Add	*153.05*	
		For Class 55 Rating, Add	*229.92*	
		For Class 56 Rating, Add	*305.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3166	EA	8" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,544.69	259.02
		For Class 52 Rating, Deduct	*-126.75*	
		For Class 54 Rating, Add	*177.54*	
		For Class 55 Rating, Add	*266.37*	
		For Class 56 Rating, Add	*354.04*	
40 05 19 00-3167	EA	8" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,711.84	261.77
		For Class 52 Rating, Deduct	*-144.67*	
		For Class 54 Rating, Add	*202.04*	
		For Class 55 Rating, Add	*302.81*	
		For Class 56 Rating, Add	*402.26*	
40 05 19 00-3168	EA	8" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,878.97	264.53
		For Class 52 Rating, Deduct	*-162.60*	
		For Class 54 Rating, Add	*226.53*	
		For Class 55 Rating, Add	*339.25*	
		For Class 56 Rating, Add	*450.49*	
40 05 19 00-3169	EA	8" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,046.12	267.29
		For Class 52 Rating, Deduct	*-180.52*	
		For Class 54 Rating, Add	*251.03*	
		For Class 55 Rating, Add	*375.69*	
		For Class 56 Rating, Add	*498.71*	
40 05 19 00-3170	EA	8" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,213.26	270.05
		For Class 52 Rating, Deduct	*-198.45*	
		For Class 54 Rating, Add	*275.52*	
		For Class 55 Rating, Add	*412.13*	
		For Class 56 Rating, Add	*546.94*	
40 05 19 00-3171	EA	8" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,380.40	272.80
		For Class 52 Rating, Deduct	*-216.38*	
		For Class 54 Rating, Add	*300.02*	
		For Class 55 Rating, Add	*448.58*	
		For Class 56 Rating, Add	*595.17*	
40 05 19 00-3172	EA	8" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,547.56	275.56
		For Class 52 Rating, Deduct	*-234.30*	
		For Class 54 Rating, Add	*324.52*	
		For Class 55 Rating, Add	*485.02*	
		For Class 56 Rating, Add	*643.39*	
40 05 19 00-3173	EA	8" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,714.70	278.32
		For Class 52 Rating, Deduct	*-252.23*	
		For Class 54 Rating, Add	*349.01*	
		For Class 55 Rating, Add	*521.46*	
		For Class 56 Rating, Add	*691.62*	
40 05 19 00-3174	EA	8" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,881.84	281.06
		For Class 52 Rating, Deduct	*-270.16*	
		For Class 54 Rating, Add	*373.51*	
		For Class 55 Rating, Add	*557.90*	
		For Class 56 Rating, Add	*739.85*	
40 05 19 00-3175	EA	8" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,048.98	283.82
		For Class 52 Rating, Deduct	*-288.08*	
		For Class 54 Rating, Add	*398.00*	
		For Class 55 Rating, Add	*594.35*	
		For Class 56 Rating, Add	*788.07*	
40 05 19 00-3176	EA	8" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,216.14	286.58
		For Class 52 Rating, Deduct	*-306.01*	
		For Class 54 Rating, Add	*422.50*	
		For Class 55 Rating, Add	*630.79*	
		For Class 56 Rating, Add	*836.30*	
40 05 19 00-3177	EA	8" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,383.28	289.34
		For Class 52 Rating, Deduct	*-323.94*	
		For Class 54 Rating, Add	*446.99*	
		For Class 55 Rating, Add	*667.23*	
		For Class 56 Rating, Add	*884.52*	
40 05 19 00-3178	EA	8" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,550.42	292.09
		For Class 52 Rating, Deduct	*-341.86*	
		For Class 54 Rating, Add	*471.49*	
		For Class 55 Rating, Add	*703.67*	
		For Class 56 Rating, Add	*932.75*	
40 05 19 00-3179	EA	8" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,717.56	294.85
		For Class 52 Rating, Deduct	*-359.79*	
		For Class 54 Rating, Add	*495.99*	
		For Class 55 Rating, Add	*740.12*	
		For Class 56 Rating, Add	*980.98*	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3180	EA	8" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,884.72	297.61
		For Class 52 Rating, Deduct	*-377.72*	
		For Class 54 Rating, Add	*520.48*	
		For Class 55 Rating, Add	*776.56*	
		For Class 56 Rating, Add	*1,029.20*	
40 05 19 00-3181	EA	8" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,051.86	300.35
		For Class 52 Rating, Deduct	*-395.64*	
		For Class 54 Rating, Add	*544.98*	
		For Class 55 Rating, Add	*813.00*	
		For Class 56 Rating, Add	*1,077.43*	
40 05 19 00-3182	EA	8" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,219.00	303.11
		For Class 52 Rating, Deduct	*-413.57*	
		For Class 54 Rating, Add	*569.47*	
		For Class 55 Rating, Add	*849.44*	
		For Class 56 Rating, Add	*1,125.66*	
40 05 19 00-3183	EA	8" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,386.15	305.87
		For Class 52 Rating, Deduct	*-431.50*	
		For Class 54 Rating, Add	*593.97*	
		For Class 55 Rating, Add	*885.89*	
		For Class 56 Rating, Add	*1,173.88*	
40 05 19 00-3184	EA	8" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,553.30	308.63
		For Class 52 Rating, Deduct	*-449.42*	
		For Class 54 Rating, Add	*618.46*	
		For Class 55 Rating, Add	*922.33*	
		For Class 56 Rating, Add	*1,222.11*	
40 05 19 00-3185	EA	8" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,720.44	311.38
		For Class 52 Rating, Deduct	*-467.35*	
		For Class 54 Rating, Add	*642.96*	
		For Class 55 Rating, Add	*958.77*	
		For Class 56 Rating, Add	*1,270.34*	
40 05 19 00-3186	EA	8" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,887.58	314.14
		For Class 52 Rating, Deduct	*-485.28*	
		For Class 54 Rating, Add	*667.45*	
		For Class 55 Rating, Add	*995.21*	
		For Class 56 Rating, Add	*1,318.56*	
40 05 19 00-3187	EA	8" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,054.73	316.90
		For Class 52 Rating, Deduct	*-503.20*	
		For Class 54 Rating, Add	*691.95*	
		For Class 55 Rating, Add	*1,031.66*	
		For Class 56 Rating, Add	*1,366.79*	
40 05 19 00-3188	EA	8" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,221.88	319.66
		For Class 52 Rating, Deduct	*-521.13*	
		For Class 54 Rating, Add	*716.45*	
		For Class 55 Rating, Add	*1,068.10*	
		For Class 56 Rating, Add	*1,415.02*	
40 05 19 00-3189	EA	8" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,389.02	322.40
		For Class 52 Rating, Deduct	*-539.06*	
		For Class 54 Rating, Add	*740.94*	
		For Class 55 Rating, Add	*1,104.54*	
		For Class 56 Rating, Add	*1,463.24*	
40 05 19 00-3190	EA	8" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,556.16	325.15
		For Class 52 Rating, Deduct	*-556.99*	
		For Class 54 Rating, Add	*765.44*	
		For Class 55 Rating, Add	*1,140.98*	
		For Class 56 Rating, Add	*1,511.47*	
40 05 19 00-3191	EA	8" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,723.31	327.91
		For Class 52 Rating, Deduct	*-574.91*	
		For Class 54 Rating, Add	*789.93*	
		For Class 55 Rating, Add	*1,177.43*	
		For Class 56 Rating, Add	*1,559.69*	
40 05 19 00-3192	EA	8" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,890.45	330.66
		For Class 52 Rating, Deduct	*-592.84*	
		For Class 54 Rating, Add	*814.43*	
		For Class 55 Rating, Add	*1,213.87*	
		For Class 56 Rating, Add	*1,607.92*	
40 05 19 00-3193	EA	8" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,057.60	333.42
		For Class 52 Rating, Deduct	*-610.77*	
		For Class 54 Rating, Add	*838.92*	
		For Class 55 Rating, Add	*1,250.31*	
		For Class 56 Rating, Add	*1,656.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3194	EA	8" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,224.75	336.18
		For Class 52 Rating, Deduct	*-628.69*	
		For Class 54 Rating, Add	*863.42*	
		For Class 55 Rating, Add	*1,286.75*	
		For Class 56 Rating, Add	*1,704.37*	
40 05 19 00-3195	EA	8" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,391.89	338.94
		For Class 52 Rating, Deduct	*-646.62*	
		For Class 54 Rating, Add	*887.91*	
		For Class 55 Rating, Add	*1,323.20*	
		For Class 56 Rating, Add	*1,752.60*	
40 05 19 00-3196	EA	8" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,559.03	341.69
		For Class 52 Rating, Deduct	*-664.55*	
		For Class 54 Rating, Add	*912.41*	
		For Class 55 Rating, Add	*1,359.64*	
		For Class 56 Rating, Add	*1,800.83*	
40 05 19 00-3197	EA	8" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,726.18	344.45
		For Class 52 Rating, Deduct	*-682.47*	
		For Class 54 Rating, Add	*936.91*	
		For Class 55 Rating, Add	*1,396.08*	
		For Class 56 Rating, Add	*1,849.05*	
40 05 19 00-3198	EA	8" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,893.33	347.20
		For Class 52 Rating, Deduct	*-700.40*	
		For Class 54 Rating, Add	*961.40*	
		For Class 55 Rating, Add	*1,432.52*	
		For Class 56 Rating, Add	*1,897.28*	
40 05 19 00-3199	EA	8" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,060.47	349.95
		For Class 52 Rating, Deduct	*-718.33*	
		For Class 54 Rating, Add	*985.90*	
		For Class 55 Rating, Add	*1,468.97*	
		For Class 56 Rating, Add	*1,945.51*	
40 05 19 00-3200	EA	8" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,227.61	352.71
		For Class 52 Rating, Deduct	*-736.25*	
		For Class 54 Rating, Add	*1,010.39*	
		For Class 55 Rating, Add	*1,505.41*	
		For Class 56 Rating, Add	*1,993.73*	
40 05 19 00-3201	EA	8" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,394.77	355.47
		For Class 52 Rating, Deduct	*-754.18*	
		For Class 54 Rating, Add	*1,034.89*	
		For Class 55 Rating, Add	*1,541.85*	
		For Class 56 Rating, Add	*2,041.96*	
40 05 19 00-3202	EA	8" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,561.91	358.23
		For Class 52 Rating, Deduct	*-772.11*	
		For Class 54 Rating, Add	*1,059.38*	
		For Class 55 Rating, Add	*1,578.29*	
		For Class 56 Rating, Add	*2,090.19*	
40 05 19 00-3203		10" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*		
40 05 19 00-3204	EA	10" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,528.35	308.63
		For Class 52 Rating, Deduct	*-116.68*	
		For Class 54 Rating, Add	*164.72*	
		For Class 55 Rating, Add	*247.77*	
		For Class 56 Rating, Add	*329.75*	
40 05 19 00-3205	EA	10" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,744.10	311.38
		For Class 52 Rating, Deduct	*-139.95*	
		For Class 54 Rating, Add	*196.51*	
		For Class 55 Rating, Add	*295.05*	
		For Class 56 Rating, Add	*392.32*	
40 05 19 00-3206	EA	10" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,959.84	314.14
		For Class 52 Rating, Deduct	*-163.23*	
		For Class 54 Rating, Add	*228.29*	
		For Class 55 Rating, Add	*342.33*	
		For Class 56 Rating, Add	*454.88*	
40 05 19 00-3207	EA	10" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,175.60	316.90
		For Class 52 Rating, Deduct	*-186.50*	
		For Class 54 Rating, Add	*260.08*	
		For Class 55 Rating, Add	*389.61*	
		For Class 56 Rating, Add	*517.45*	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3208	EA	10" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,391.35	319.66
		For Class 52 Rating, Deduct	*-209.77*	
		For Class 54 Rating, Add	*291.87*	
		For Class 55 Rating, Add	*436.89*	
		For Class 56 Rating, Add	*580.01*	
40 05 19 00-3209	EA	10" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,607.10	322.40
		For Class 52 Rating, Deduct	*-233.05*	
		For Class 54 Rating, Add	*323.65*	
		For Class 55 Rating, Add	*484.17*	
		For Class 56 Rating, Add	*642.58*	
40 05 19 00-3210	EA	10" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,822.84	325.15
		For Class 52 Rating, Deduct	*-256.32*	
		For Class 54 Rating, Add	*355.44*	
		For Class 55 Rating, Add	*531.45*	
		For Class 56 Rating, Add	*705.14*	
40 05 19 00-3211	EA	10" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,038.60	327.91
		For Class 52 Rating, Deduct	*-279.59*	
		For Class 54 Rating, Add	*387.23*	
		For Class 55 Rating, Add	*578.74*	
		For Class 56 Rating, Add	*767.71*	
40 05 19 00-3212	EA	10" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,254.34	330.66
		For Class 52 Rating, Deduct	*-302.87*	
		For Class 54 Rating, Add	*419.01*	
		For Class 55 Rating, Add	*626.02*	
		For Class 56 Rating, Add	*830.27*	
40 05 19 00-3213	EA	10" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,470.10	333.42
		For Class 52 Rating, Deduct	*-326.14*	
		For Class 54 Rating, Add	*450.80*	
		For Class 55 Rating, Add	*673.30*	
		For Class 56 Rating, Add	*892.84*	
40 05 19 00-3214	EA	10" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,685.85	336.18
		For Class 52 Rating, Deduct	*-349.41*	
		For Class 54 Rating, Add	*482.58*	
		For Class 55 Rating, Add	*720.58*	
		For Class 56 Rating, Add	*955.40*	
40 05 19 00-3215	EA	10" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,901.60	338.94
		For Class 52 Rating, Deduct	*-372.69*	
		For Class 54 Rating, Add	*514.37*	
		For Class 55 Rating, Add	*767.86*	
		For Class 56 Rating, Add	*1,017.97*	
40 05 19 00-3216	EA	10" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,117.34	341.69
		For Class 52 Rating, Deduct	*-395.96*	
		For Class 54 Rating, Add	*546.16*	
		For Class 55 Rating, Add	*815.14*	
		For Class 56 Rating, Add	*1,080.53*	
40 05 19 00-3217	EA	10" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,333.10	344.45
		For Class 52 Rating, Deduct	*-419.23*	
		For Class 54 Rating, Add	*577.94*	
		For Class 55 Rating, Add	*862.43*	
		For Class 56 Rating, Add	*1,143.09*	
40 05 19 00-3218	EA	10" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,548.85	347.20
		For Class 52 Rating, Deduct	*-442.51*	
		For Class 54 Rating, Add	*609.73*	
		For Class 55 Rating, Add	*909.71*	
		For Class 56 Rating, Add	*1,205.66*	
40 05 19 00-3219	EA	10" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,764.60	349.95
		For Class 52 Rating, Deduct	*-465.78*	
		For Class 54 Rating, Add	*641.52*	
		For Class 55 Rating, Add	*956.99*	
		For Class 56 Rating, Add	*1,268.22*	
40 05 19 00-3220	EA	10" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,980.34	352.71
		For Class 52 Rating, Deduct	*-489.05*	
		For Class 54 Rating, Add	*673.30*	
		For Class 55 Rating, Add	*1,004.27*	
		For Class 56 Rating, Add	*1,330.79*	
40 05 19 00-3221	EA	10" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,196.11	355.47
		For Class 52 Rating, Deduct	*-512.33*	
		For Class 54 Rating, Add	*705.09*	
		For Class 55 Rating, Add	*1,051.55*	
		For Class 56 Rating, Add	*1,393.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3222	EA	10" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,411.85	358.23
		For Class 52 Rating, Deduct	*-535.60*	
		For Class 54 Rating, Add	*736.88*	
		For Class 55 Rating, Add	*1,098.83*	
		For Class 56 Rating, Add	*1,455.92*	
40 05 19 00-3223	EA	10" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,627.60	360.98
		For Class 52 Rating, Deduct	*-558.87*	
		For Class 54 Rating, Add	*768.66*	
		For Class 55 Rating, Add	*1,146.11*	
		For Class 56 Rating, Add	*1,518.48*	
40 05 19 00-3224	EA	10" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,843.34	363.74
		For Class 52 Rating, Deduct	*-582.15*	
		For Class 54 Rating, Add	*800.45*	
		For Class 55 Rating, Add	*1,193.39*	
		For Class 56 Rating, Add	*1,581.05*	
40 05 19 00-3225	EA	10" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,059.11	366.50
		For Class 52 Rating, Deduct	*-605.42*	
		For Class 54 Rating, Add	*832.24*	
		For Class 55 Rating, Add	*1,240.68*	
		For Class 56 Rating, Add	*1,643.61*	
40 05 19 00-3226	EA	10" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,274.85	369.24
		For Class 52 Rating, Deduct	*-628.69*	
		For Class 54 Rating, Add	*864.02*	
		For Class 55 Rating, Add	*1,287.96*	
		For Class 56 Rating, Add	*1,706.18*	
40 05 19 00-3227	EA	10" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,490.60	372.00
		For Class 52 Rating, Deduct	*-651.97*	
		For Class 54 Rating, Add	*895.81*	
		For Class 55 Rating, Add	*1,335.24*	
		For Class 56 Rating, Add	*1,768.74*	
40 05 19 00-3228	EA	10" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,706.34	374.76
		For Class 52 Rating, Deduct	*-675.24*	
		For Class 54 Rating, Add	*927.59*	
		For Class 55 Rating, Add	*1,382.52*	
		For Class 56 Rating, Add	*1,831.31*	
40 05 19 00-3229	EA	10" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,922.11	377.52
		For Class 52 Rating, Deduct	*-698.51*	
		For Class 54 Rating, Add	*959.38*	
		For Class 55 Rating, Add	*1,429.80*	
		For Class 56 Rating, Add	*1,893.87*	
40 05 19 00-3230	EA	10" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,137.85	380.27
		For Class 52 Rating, Deduct	*-721.78*	
		For Class 54 Rating, Add	*991.17*	
		For Class 55 Rating, Add	*1,477.08*	
		For Class 56 Rating, Add	*1,956.44*	
40 05 19 00-3231	EA	10" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,353.60	383.03
		For Class 52 Rating, Deduct	*-745.06*	
		For Class 54 Rating, Add	*1,022.95*	
		For Class 55 Rating, Add	*1,524.37*	
		For Class 56 Rating, Add	*2,019.00*	
40 05 19 00-3232	EA	10" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,569.35	385.79
		For Class 52 Rating, Deduct	*-768.33*	
		For Class 54 Rating, Add	*1,054.74*	
		For Class 55 Rating, Add	*1,571.65*	
		For Class 56 Rating, Add	*2,081.57*	
40 05 19 00-3233	EA	10" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,785.09	388.55
		For Class 52 Rating, Deduct	*-791.60*	
		For Class 54 Rating, Add	*1,086.52*	
		For Class 55 Rating, Add	*1,618.93*	
		For Class 56 Rating, Add	*2,144.13*	
40 05 19 00-3234	EA	10" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,000.85	391.29
		For Class 52 Rating, Deduct	*-814.88*	
		For Class 54 Rating, Add	*1,118.31*	
		For Class 55 Rating, Add	*1,666.21*	
		For Class 56 Rating, Add	*2,206.70*	
40 05 19 00-3235	EA	10" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,216.59	394.05
		For Class 52 Rating, Deduct	*-838.15*	
		For Class 54 Rating, Add	*1,150.10*	
		For Class 55 Rating, Add	*1,713.49*	
		For Class 56 Rating, Add	*2,269.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3236	EA	10" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,432.35	396.81
		For Class 52 Rating, Deduct	*-861.42*	
		For Class 54 Rating, Add	*1,181.88*	
		For Class 55 Rating, Add	*1,760.77*	
		For Class 56 Rating, Add	*2,331.83*	
40 05 19 00-3237	EA	10" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,648.09	399.55
		For Class 52 Rating, Deduct	*-884.70*	
		For Class 54 Rating, Add	*1,213.67*	
		For Class 55 Rating, Add	*1,808.05*	
		For Class 56 Rating, Add	*2,394.39*	
40 05 19 00-3238	EA	10" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,863.85	402.31
		For Class 52 Rating, Deduct	*-907.97*	
		For Class 54 Rating, Add	*1,245.46*	
		For Class 55 Rating, Add	*1,855.33*	
		For Class 56 Rating, Add	*2,456.96*	
40 05 19 00-3239	EA	10" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,079.59	405.07
		For Class 52 Rating, Deduct	*-931.24*	
		For Class 54 Rating, Add	*1,277.24*	
		For Class 55 Rating, Add	*1,902.61*	
		For Class 56 Rating, Add	*2,519.52*	
40 05 19 00-3240	EA	10" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,295.35	407.83
		For Class 52 Rating, Deduct	*-954.52*	
		For Class 54 Rating, Add	*1,309.03*	
		For Class 55 Rating, Add	*1,949.90*	
		For Class 56 Rating, Add	*2,582.09*	
40 05 19 00-3241	EA	10" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,511.09	410.58
		For Class 52 Rating, Deduct	*-977.79*	
		For Class 54 Rating, Add	*1,340.82*	
		For Class 55 Rating, Add	*1,997.18*	
		For Class 56 Rating, Add	*2,644.65*	
40 05 19 00-3242	EA	10" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,726.85	413.33
		For Class 52 Rating, Deduct	*-1,001.06*	
		For Class 54 Rating, Add	*1,372.60*	
		For Class 55 Rating, Add	*2,044.46*	
		For Class 56 Rating, Add	*2,707.22*	

40 05 19 00-3243 12" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

40 05 19 00-3244	EA	12" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,985.49	385.79
		For Class 52 Rating, Deduct	*-154.11*	
		For Class 54 Rating, Add	*217.16*	
		For Class 55 Rating, Add	*326.44*	
		For Class 56 Rating, Add	*434.33*	
40 05 19 00-3245	EA	12" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,252.70	388.55
		For Class 52 Rating, Deduct	*-183.04*	
		For Class 54 Rating, Add	*256.67*	
		For Class 55 Rating, Add	*385.20*	
		For Class 56 Rating, Add	*512.08*	
40 05 19 00-3246	EA	12" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,519.92	391.29
		For Class 52 Rating, Deduct	*-211.98*	
		For Class 54 Rating, Add	*296.17*	
		For Class 55 Rating, Add	*443.96*	
		For Class 56 Rating, Add	*589.82*	
40 05 19 00-3247	EA	12" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,787.13	394.05
		For Class 52 Rating, Deduct	*-240.91*	
		For Class 54 Rating, Add	*335.68*	
		For Class 55 Rating, Add	*502.72*	
		For Class 56 Rating, Add	*667.57*	
40 05 19 00-3248	EA	12" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,054.34	396.81
		For Class 52 Rating, Deduct	*-269.84*	
		For Class 54 Rating, Add	*375.18*	
		For Class 55 Rating, Add	*561.48*	
		For Class 56 Rating, Add	*745.31*	
40 05 19 00-3249	EA	12" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,321.55	399.55
		For Class 52 Rating, Deduct	*-298.78*	
		For Class 54 Rating, Add	*414.69*	
		For Class 55 Rating, Add	*620.23*	
		For Class 56 Rating, Add	*823.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3250	EA	12" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,588.77	402.31
		For Class 52 Rating, Deduct	*-327.71*	
		For Class 54 Rating, Add	*454.19*	
		For Class 55 Rating, Add	*678.99*	
		For Class 56 Rating, Add	*900.81*	
40 05 19 00-3251	EA	12" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,855.98	405.07
		For Class 52 Rating, Deduct	*-356.65*	
		For Class 54 Rating, Add	*493.70*	
		For Class 55 Rating, Add	*737.75*	
		For Class 56 Rating, Add	*978.56*	
40 05 19 00-3252	EA	12" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,123.20	407.83
		For Class 52 Rating, Deduct	*-385.58*	
		For Class 54 Rating, Add	*533.21*	
		For Class 55 Rating, Add	*796.51*	
		For Class 56 Rating, Add	*1,056.30*	
40 05 19 00-3253	EA	12" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,390.41	410.58
		For Class 52 Rating, Deduct	*-414.52*	
		For Class 54 Rating, Add	*572.71*	
		For Class 55 Rating, Add	*855.27*	
		For Class 56 Rating, Add	*1,134.05*	
40 05 19 00-3254	EA	12" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,657.63	413.33
		For Class 52 Rating, Deduct	*-443.45*	
		For Class 54 Rating, Add	*612.22*	
		For Class 55 Rating, Add	*914.02*	
		For Class 56 Rating, Add	*1,211.80*	
40 05 19 00-3255	EA	12" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,924.85	416.09
		For Class 52 Rating, Deduct	*-472.38*	
		For Class 54 Rating, Add	*651.73*	
		For Class 55 Rating, Add	*972.78*	
		For Class 56 Rating, Add	*1,289.54*	
40 05 19 00-3256	EA	12" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,192.06	418.84
		For Class 52 Rating, Deduct	*-501.32*	
		For Class 54 Rating, Add	*691.23*	
		For Class 55 Rating, Add	*1,031.54*	
		For Class 56 Rating, Add	*1,367.29*	
40 05 19 00-3257	EA	12" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,459.27	421.60
		For Class 52 Rating, Deduct	*-530.25*	
		For Class 54 Rating, Add	*730.74*	
		For Class 55 Rating, Add	*1,090.30*	
		For Class 56 Rating, Add	*1,445.04*	
40 05 19 00-3258	EA	12" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,726.49	424.36
		For Class 52 Rating, Deduct	*-559.19*	
		For Class 54 Rating, Add	*770.24*	
		For Class 55 Rating, Add	*1,149.06*	
		For Class 56 Rating, Add	*1,522.79*	
40 05 19 00-3259	EA	12" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,993.70	427.12
		For Class 52 Rating, Deduct	*-588.12*	
		For Class 54 Rating, Add	*809.75*	
		For Class 55 Rating, Add	*1,207.81*	
		For Class 56 Rating, Add	*1,600.53*	
40 05 19 00-3260	EA	12" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,260.91	429.87
		For Class 52 Rating, Deduct	*-617.05*	
		For Class 54 Rating, Add	*849.25*	
		For Class 55 Rating, Add	*1,266.57*	
		For Class 56 Rating, Add	*1,678.28*	
40 05 19 00-3261	EA	12" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,528.12	432.63
		For Class 52 Rating, Deduct	*-645.99*	
		For Class 54 Rating, Add	*888.76*	
		For Class 55 Rating, Add	*1,325.33*	
		For Class 56 Rating, Add	*1,756.02*	
40 05 19 00-3262	EA	12" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,795.34	435.39
		For Class 52 Rating, Deduct	*-674.92*	
		For Class 54 Rating, Add	*928.27*	
		For Class 55 Rating, Add	*1,384.09*	
		For Class 56 Rating, Add	*1,833.77*	
40 05 19 00-3263	EA	12" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,062.56	438.13
		For Class 52 Rating, Deduct	*-703.86*	
		For Class 54 Rating, Add	*967.77*	
		For Class 55 Rating, Add	*1,442.84*	
		For Class 56 Rating, Add	*1,911.52*	

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LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3264	EA	12" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,329.77	440.89
		For Class 52 Rating, Deduct	*-732.79*	
		For Class 54 Rating, Add	*1,007.28*	
		For Class 55 Rating, Add	*1,501.60*	
		For Class 56 Rating, Add	*1,989.26*	
40 05 19 00-3265	EA	12" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,596.98	443.65
		For Class 52 Rating, Deduct	*-761.73*	
		For Class 54 Rating, Add	*1,046.78*	
		For Class 55 Rating, Add	*1,560.36*	
		For Class 56 Rating, Add	*2,067.01*	
40 05 19 00-3266	EA	12" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,864.20	446.41
		For Class 52 Rating, Deduct	*-790.66*	
		For Class 54 Rating, Add	*1,086.29*	
		For Class 55 Rating, Add	*1,619.12*	
		For Class 56 Rating, Add	*2,144.76*	
40 05 19 00-3267	EA	12" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,131.42	449.16
		For Class 52 Rating, Deduct	*-819.60*	
		For Class 54 Rating, Add	*1,125.80*	
		For Class 55 Rating, Add	*1,677.88*	
		For Class 56 Rating, Add	*2,222.51*	
40 05 19 00-3268	EA	12" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,398.63	451.92
		For Class 52 Rating, Deduct	*-848.53*	
		For Class 54 Rating, Add	*1,165.30*	
		For Class 55 Rating, Add	*1,736.64*	
		For Class 56 Rating, Add	*2,300.25*	
40 05 19 00-3269	EA	12" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,665.83	454.68
		For Class 52 Rating, Deduct	*-877.46*	
		For Class 54 Rating, Add	*1,204.81*	
		For Class 55 Rating, Add	*1,795.39*	
		For Class 56 Rating, Add	*2,378.00*	
40 05 19 00-3270	EA	12" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,933.05	457.44
		For Class 52 Rating, Deduct	*-906.40*	
		For Class 54 Rating, Add	*1,244.31*	
		For Class 55 Rating, Add	*1,854.15*	
		For Class 56 Rating, Add	*2,455.74*	
40 05 19 00-3271	EA	12" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,200.27	460.18
		For Class 52 Rating, Deduct	*-935.33*	
		For Class 54 Rating, Add	*1,283.82*	
		For Class 55 Rating, Add	*1,912.91*	
		For Class 56 Rating, Add	*2,533.49*	
40 05 19 00-3272	EA	12" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,467.48	462.94
		For Class 52 Rating, Deduct	*-964.27*	
		For Class 54 Rating, Add	*1,323.33*	
		For Class 55 Rating, Add	*1,971.67*	
		For Class 56 Rating, Add	*2,611.24*	
40 05 19 00-3273	EA	12" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,734.70	465.70
		For Class 52 Rating, Deduct	*-993.20*	
		For Class 54 Rating, Add	*1,362.83*	
		For Class 55 Rating, Add	*2,030.42*	
		For Class 56 Rating, Add	*2,688.99*	
40 05 19 00-3274	EA	12" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,001.91	468.44
		For Class 52 Rating, Deduct	*-1,022.14*	
		For Class 54 Rating, Add	*1,402.34*	
		For Class 55 Rating, Add	*2,089.18*	
		For Class 56 Rating, Add	*2,766.73*	
40 05 19 00-3275	EA	12" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,269.13	471.20
		For Class 52 Rating, Deduct	*-1,051.07*	
		For Class 54 Rating, Add	*1,441.84*	
		For Class 55 Rating, Add	*2,147.94*	
		For Class 56 Rating, Add	*2,844.48*	
40 05 19 00-3276	EA	12" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,536.34	473.96
		For Class 52 Rating, Deduct	*-1,080.00*	
		For Class 54 Rating, Add	*1,481.35*	
		For Class 55 Rating, Add	*2,206.70*	
		For Class 56 Rating, Add	*2,922.23*	
40 05 19 00-3277	EA	12" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,803.56	476.72
		For Class 52 Rating, Deduct	*-1,108.94*	
		For Class 54 Rating, Add	*1,520.86*	
		For Class 55 Rating, Add	*2,265.46*	
		For Class 56 Rating, Add	*2,999.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3278	EA	12" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,070.77	479.46
		For Class 52 Rating, Deduct	*-1,137.87*	
		For Class 54 Rating, Add	*1,560.36*	
		For Class 55 Rating, Add	*2,324.21*	
		For Class 56 Rating, Add	*3,077.72*	
40 05 19 00-3279	EA	12" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,337.99	482.22
		For Class 52 Rating, Deduct	*-1,166.81*	
		For Class 54 Rating, Add	*1,599.87*	
		For Class 55 Rating, Add	*2,382.97*	
		For Class 56 Rating, Add	*3,155.47*	
40 05 19 00-3280	EA	12" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,605.19	484.98
		For Class 52 Rating, Deduct	*-1,195.74*	
		For Class 54 Rating, Add	*1,639.37*	
		For Class 55 Rating, Add	*2,441.73*	
		For Class 56 Rating, Add	*3,233.21*	
40 05 19 00-3281	EA	12" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,872.41	487.73
		For Class 52 Rating, Deduct	*-1,224.68*	
		For Class 54 Rating, Add	*1,678.88*	
		For Class 55 Rating, Add	*2,500.49*	
		For Class 56 Rating, Add	*3,310.96*	
40 05 19 00-3282	EA	12" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,139.62	490.49
		For Class 52 Rating, Deduct	*-1,253.61*	
		For Class 54 Rating, Add	*1,718.39*	
		For Class 55 Rating, Add	*2,559.24*	
		For Class 56 Rating, Add	*3,388.71*	

40 05 19 00-3283 14" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

40 05 19 00-3284	EA	14" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,677.07	462.94
		For Class 52 Rating, Deduct	*-217.32*	
		For Class 54 Rating, Add	*304.76*	
		For Class 55 Rating, Add	*457.40*	
		For Class 56 Rating, Add	*608.07*	
40 05 19 00-3285	EA	14" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,001.47	465.70
		For Class 52 Rating, Deduct	*-252.55*	
		For Class 54 Rating, Add	*352.85*	
		For Class 55 Rating, Add	*528.91*	
		For Class 56 Rating, Add	*702.68*	
40 05 19 00-3286	EA	14" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,325.86	468.44
		For Class 52 Rating, Deduct	*-287.77*	
		For Class 54 Rating, Add	*400.93*	
		For Class 55 Rating, Add	*600.42*	
		For Class 56 Rating, Add	*797.30*	
40 05 19 00-3287	EA	14" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,650.27	471.20
		For Class 52 Rating, Deduct	*-323.00*	
		For Class 54 Rating, Add	*449.02*	
		For Class 55 Rating, Add	*671.93*	
		For Class 56 Rating, Add	*891.92*	
40 05 19 00-3288	EA	14" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,974.66	473.96
		For Class 52 Rating, Deduct	*-358.22*	
		For Class 54 Rating, Add	*497.10*	
		For Class 55 Rating, Add	*743.44*	
		For Class 56 Rating, Add	*986.53*	
40 05 19 00-3289	EA	14" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,299.06	476.72
		For Class 52 Rating, Deduct	*-393.44*	
		For Class 54 Rating, Add	*545.18*	
		For Class 55 Rating, Add	*814.95*	
		For Class 56 Rating, Add	*1,081.15*	
40 05 19 00-3290	EA	14" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,623.45	479.46
		For Class 52 Rating, Deduct	*-428.67*	
		For Class 54 Rating, Add	*593.26*	
		For Class 55 Rating, Add	*886.46*	
		For Class 56 Rating, Add	*1,175.76*	
40 05 19 00-3291	EA	14" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,947.85	482.22
		For Class 52 Rating, Deduct	*-463.89*	
		For Class 54 Rating, Add	*641.35*	
		For Class 55 Rating, Add	*957.97*	
		For Class 56 Rating, Add	*1,270.38*	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3292	EA	14" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,272.24	484.98
		For Class 52 Rating, Deduct	*-499.12*	
		For Class 54 Rating, Add	*689.43*	
		For Class 55 Rating, Add	*1,029.48*	
		For Class 56 Rating, Add	*1,364.99*	
40 05 19 00-3293	EA	14" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,596.64	487.73
		For Class 52 Rating, Deduct	*-534.34*	
		For Class 54 Rating, Add	*737.51*	
		For Class 55 Rating, Add	*1,100.99*	
		For Class 56 Rating, Add	*1,459.61*	
40 05 19 00-3294	EA	14" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,921.04	490.49
		For Class 52 Rating, Deduct	*-569.57*	
		For Class 54 Rating, Add	*785.60*	
		For Class 55 Rating, Add	*1,172.50*	
		For Class 56 Rating, Add	*1,554.23*	
40 05 19 00-3295	EA	14" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,245.43	493.25
		For Class 52 Rating, Deduct	*-604.79*	
		For Class 54 Rating, Add	*833.68*	
		For Class 55 Rating, Add	*1,244.01*	
		For Class 56 Rating, Add	*1,648.84*	
40 05 19 00-3296	EA	14" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,569.84	496.01
		For Class 52 Rating, Deduct	*-640.01*	
		For Class 54 Rating, Add	*881.76*	
		For Class 55 Rating, Add	*1,315.52*	
		For Class 56 Rating, Add	*1,743.46*	
40 05 19 00-3297	EA	14" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,894.23	498.76
		For Class 52 Rating, Deduct	*-675.24*	
		For Class 54 Rating, Add	*929.85*	
		For Class 55 Rating, Add	*1,387.03*	
		For Class 56 Rating, Add	*1,838.07*	
40 05 19 00-3298	EA	14" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,218.62	501.52
		For Class 52 Rating, Deduct	*-710.46*	
		For Class 54 Rating, Add	*977.93*	
		For Class 55 Rating, Add	*1,458.54*	
		For Class 56 Rating, Add	*1,932.69*	
40 05 19 00-3299	EA	14" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,543.01	504.27
		For Class 52 Rating, Deduct	*-745.69*	
		For Class 54 Rating, Add	*1,026.01*	
		For Class 55 Rating, Add	*1,530.05*	
		For Class 56 Rating, Add	*2,027.30*	
40 05 19 00-3300	EA	14" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,867.43	507.02
		For Class 52 Rating, Deduct	*-780.91*	
		For Class 54 Rating, Add	*1,074.10*	
		For Class 55 Rating, Add	*1,601.56*	
		For Class 56 Rating, Add	*2,121.92*	
40 05 19 00-3301	EA	14" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,191.82	509.78
		For Class 52 Rating, Deduct	*-816.14*	
		For Class 54 Rating, Add	*1,122.18*	
		For Class 55 Rating, Add	*1,673.07*	
		For Class 56 Rating, Add	*2,216.54*	
40 05 19 00-3302	EA	14" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,516.21	512.54
		For Class 52 Rating, Deduct	*-851.36*	
		For Class 54 Rating, Add	*1,170.26*	
		For Class 55 Rating, Add	*1,744.58*	
		For Class 56 Rating, Add	*2,311.15*	
40 05 19 00-3303	EA	14" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,840.60	515.30
		For Class 52 Rating, Deduct	*-886.58*	
		For Class 54 Rating, Add	*1,218.35*	
		For Class 55 Rating, Add	*1,816.09*	
		For Class 56 Rating, Add	*2,405.77*	
40 05 19 00-3304	EA	14" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,165.01	518.05
		For Class 52 Rating, Deduct	*-921.81*	
		For Class 54 Rating, Add	*1,266.43*	
		For Class 55 Rating, Add	*1,887.60*	
		For Class 56 Rating, Add	*2,500.38*	
40 05 19 00-3305	EA	14" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,489.40	520.81
		For Class 52 Rating, Deduct	*-957.03*	
		For Class 54 Rating, Add	*1,314.51*	
		For Class 55 Rating, Add	*1,959.11*	
		For Class 56 Rating, Add	*2,595.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3306	EA	14" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,813.79	523.57
		For Class 52 Rating, Deduct	*-992.26*	
		For Class 54 Rating, Add	*1,362.60*	
		For Class 55 Rating, Add	*2,030.61*	
		For Class 56 Rating, Add	*2,689.61*	
40 05 19 00-3307	EA	14" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,138.19	526.32
		For Class 52 Rating, Deduct	*-1,027.48*	
		For Class 54 Rating, Add	*1,410.68*	
		For Class 55 Rating, Add	*2,102.12*	
		For Class 56 Rating, Add	*2,784.23*	
40 05 19 00-3308	EA	14" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,462.60	529.07
		For Class 52 Rating, Deduct	*-1,062.71*	
		For Class 54 Rating, Add	*1,458.77*	
		For Class 55 Rating, Add	*2,173.64*	
		For Class 56 Rating, Add	*2,878.84*	
40 05 19 00-3309	EA	14" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,786.99	531.83
		For Class 52 Rating, Deduct	*-1,097.93*	
		For Class 54 Rating, Add	*1,506.85*	
		For Class 55 Rating, Add	*2,245.14*	
		For Class 56 Rating, Add	*2,973.46*	
40 05 19 00-3310	EA	14" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,111.38	534.59
		For Class 52 Rating, Deduct	*-1,133.16*	
		For Class 54 Rating, Add	*1,554.93*	
		For Class 55 Rating, Add	*2,316.65*	
		For Class 56 Rating, Add	*3,068.07*	
40 05 19 00-3311	EA	14" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,435.78	537.34
		For Class 52 Rating, Deduct	*-1,168.38*	
		For Class 54 Rating, Add	*1,603.01*	
		For Class 55 Rating, Add	*2,388.16*	
		For Class 56 Rating, Add	*3,162.69*	
40 05 19 00-3312	EA	14" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,760.18	540.09
		For Class 52 Rating, Deduct	*-1,203.60*	
		For Class 54 Rating, Add	*1,651.10*	
		For Class 55 Rating, Add	*2,459.67*	
		For Class 56 Rating, Add	*3,257.31*	
40 05 19 00-3313	EA	14" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,084.57	542.85
		For Class 52 Rating, Deduct	*-1,238.83*	
		For Class 54 Rating, Add	*1,699.18*	
		For Class 55 Rating, Add	*2,531.18*	
		For Class 56 Rating, Add	*3,351.92*	
40 05 19 00-3314	EA	14" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,408.98	545.61
		For Class 52 Rating, Deduct	*-1,274.05*	
		For Class 54 Rating, Add	*1,747.27*	
		For Class 55 Rating, Add	*2,602.69*	
		For Class 56 Rating, Add	*3,446.54*	
40 05 19 00-3315	EA	14" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,733.37	548.35
		For Class 52 Rating, Deduct	*-1,309.28*	
		For Class 54 Rating, Add	*1,795.35*	
		For Class 55 Rating, Add	*2,674.20*	
		For Class 56 Rating, Add	*3,541.15*	
40 05 19 00-3316	EA	14" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,057.76	551.11
		For Class 52 Rating, Deduct	*-1,344.50*	
		For Class 54 Rating, Add	*1,843.43*	
		For Class 55 Rating, Add	*2,745.71*	
		For Class 56 Rating, Add	*3,635.77*	
40 05 19 00-3317	EA	14" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,382.16	553.87
		For Class 52 Rating, Deduct	*-1,379.73*	
		For Class 54 Rating, Add	*1,891.51*	
		For Class 55 Rating, Add	*2,817.22*	
		For Class 56 Rating, Add	*3,730.38*	
40 05 19 00-3318	EA	14" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,706.56	556.62
		For Class 52 Rating, Deduct	*-1,414.95*	
		For Class 54 Rating, Add	*1,939.60*	
		For Class 55 Rating, Add	*2,888.73*	
		For Class 56 Rating, Add	*3,825.00*	
40 05 19 00-3319	EA	14" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,030.95	559.38
		For Class 52 Rating, Deduct	*-1,450.17*	
		For Class 54 Rating, Add	*1,987.68*	
		For Class 55 Rating, Add	*2,960.24*	
		For Class 56 Rating, Add	*3,919.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3320	EA	14" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,355.34	562.14
		For Class 52 Rating, Deduct	*-1,485.40*	
		For Class 54 Rating, Add	*2,035.76*	
		For Class 55 Rating, Add	*3,031.75*	
		For Class 56 Rating, Add	*4,014.23*	
40 05 19 00-3321	EA	14" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,679.75	564.90
		For Class 52 Rating, Deduct	*-1,520.62*	
		For Class 54 Rating, Add	*2,083.85*	
		For Class 55 Rating, Add	*3,103.26*	
		For Class 56 Rating, Add	*4,108.85*	
40 05 19 00-3322		16" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*		
40 05 19 00-3323	EA	16" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,131.81	529.07
		For Class 52 Rating, Deduct	*-256.32*	
		For Class 54 Rating, Add	*359.15*	
		For Class 55 Rating, Add	*538.87*	
		For Class 56 Rating, Add	*716.26*	
40 05 19 00-3324	EA	16" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,507.67	531.83
		For Class 52 Rating, Deduct	*-297.21*	
		For Class 54 Rating, Add	*414.95*	
		For Class 55 Rating, Add	*621.86*	
		For Class 56 Rating, Add	*826.06*	
40 05 19 00-3325	EA	16" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,883.52	534.59
		For Class 52 Rating, Deduct	*-338.09*	
		For Class 54 Rating, Add	*470.75*	
		For Class 55 Rating, Add	*704.84*	
		For Class 56 Rating, Add	*935.86*	
40 05 19 00-3326	EA	16" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,259.39	537.34
		For Class 52 Rating, Deduct	*-378.98*	
		For Class 54 Rating, Add	*526.56*	
		For Class 55 Rating, Add	*787.83*	
		For Class 56 Rating, Add	*1,045.66*	
40 05 19 00-3327	EA	16" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,635.26	540.09
		For Class 52 Rating, Deduct	*-419.86*	
		For Class 54 Rating, Add	*582.36*	
		For Class 55 Rating, Add	*870.82*	
		For Class 56 Rating, Add	*1,155.45*	
40 05 19 00-3328	EA	16" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,011.11	542.85
		For Class 52 Rating, Deduct	*-460.75*	
		For Class 54 Rating, Add	*638.16*	
		For Class 55 Rating, Add	*953.80*	
		For Class 56 Rating, Add	*1,265.25*	
40 05 19 00-3329	EA	16" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,386.98	545.61
		For Class 52 Rating, Deduct	*-501.63*	
		For Class 54 Rating, Add	*693.97*	
		For Class 55 Rating, Add	*1,036.79*	
		For Class 56 Rating, Add	*1,375.05*	
40 05 19 00-3330	EA	16" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,762.83	548.35
		For Class 52 Rating, Deduct	*-542.52*	
		For Class 54 Rating, Add	*749.77*	
		For Class 55 Rating, Add	*1,119.77*	
		For Class 56 Rating, Add	*1,484.84*	
40 05 19 00-3331	EA	16" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,138.69	551.11
		For Class 52 Rating, Deduct	*-583.40*	
		For Class 54 Rating, Add	*805.57*	
		For Class 55 Rating, Add	*1,202.76*	
		For Class 56 Rating, Add	*1,594.64*	
40 05 19 00-3332	EA	16" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,514.55	553.87
		For Class 52 Rating, Deduct	*-624.29*	
		For Class 54 Rating, Add	*861.37*	
		For Class 55 Rating, Add	*1,285.74*	
		For Class 56 Rating, Add	*1,704.44*	
40 05 19 00-3333	EA	16" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,890.42	556.62
		For Class 52 Rating, Deduct	*-665.17*	
		For Class 54 Rating, Add	*917.18*	
		For Class 55 Rating, Add	*1,368.73*	
		For Class 56 Rating, Add	*1,814.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3334	EA	16" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,266.27	559.38
		For Class 52 Rating, Deduct	*-706.06*	
		For Class 54 Rating, Add	*972.98*	
		For Class 55 Rating, Add	*1,451.72*	
		For Class 56 Rating, Add	*1,924.03*	
40 05 19 00-3335	EA	16" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,642.13	562.14
		For Class 52 Rating, Deduct	*-746.95*	
		For Class 54 Rating, Add	*1,028.78*	
		For Class 55 Rating, Add	*1,534.70*	
		For Class 56 Rating, Add	*2,033.83*	
40 05 19 00-3336	EA	16" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,018.00	564.90
		For Class 52 Rating, Deduct	*-787.83*	
		For Class 54 Rating, Add	*1,084.59*	
		For Class 55 Rating, Add	*1,617.69*	
		For Class 56 Rating, Add	*2,143.63*	
40 05 19 00-3337	EA	16" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,393.86	567.65
		For Class 52 Rating, Deduct	*-828.72*	
		For Class 54 Rating, Add	*1,140.39*	
		For Class 55 Rating, Add	*1,700.67*	
		For Class 56 Rating, Add	*2,253.43*	
40 05 19 00-3338	EA	16" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,769.72	570.40
		For Class 52 Rating, Deduct	*-869.60*	
		For Class 54 Rating, Add	*1,196.19*	
		For Class 55 Rating, Add	*1,783.66*	
		For Class 56 Rating, Add	*2,363.23*	
40 05 19 00-3339	EA	16" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,145.57	573.16
		For Class 52 Rating, Deduct	*-910.49*	
		For Class 54 Rating, Add	*1,251.99*	
		For Class 55 Rating, Add	*1,866.65*	
		For Class 56 Rating, Add	*2,473.02*	
40 05 19 00-3340	EA	16" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,521.45	575.91
		For Class 52 Rating, Deduct	*-951.37*	
		For Class 54 Rating, Add	*1,307.80*	
		For Class 55 Rating, Add	*1,949.63*	
		For Class 56 Rating, Add	*2,582.82*	
40 05 19 00-3341	EA	16" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,897.30	578.67
		For Class 52 Rating, Deduct	*-992.26*	
		For Class 54 Rating, Add	*1,363.60*	
		For Class 55 Rating, Add	*2,032.62*	
		For Class 56 Rating, Add	*2,692.62*	
40 05 19 00-3342	EA	16" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,273.16	581.43
		For Class 52 Rating, Deduct	*-1,033.14*	
		For Class 54 Rating, Add	*1,419.40*	
		For Class 55 Rating, Add	*2,115.61*	
		For Class 56 Rating, Add	*2,802.42*	
40 05 19 00-3343	EA	16" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,649.01	584.19
		For Class 52 Rating, Deduct	*-1,074.03*	
		For Class 54 Rating, Add	*1,475.20*	
		For Class 55 Rating, Add	*2,198.59*	
		For Class 56 Rating, Add	*2,912.21*	
40 05 19 00-3344	EA	16" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,024.89	586.94
		For Class 52 Rating, Deduct	*-1,114.91*	
		For Class 54 Rating, Add	*1,531.01*	
		For Class 55 Rating, Add	*2,281.58*	
		For Class 56 Rating, Add	*3,022.01*	
40 05 19 00-3345	EA	16" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,400.75	589.70
		For Class 52 Rating, Deduct	*-1,155.80*	
		For Class 54 Rating, Add	*1,586.81*	
		For Class 55 Rating, Add	*2,364.56*	
		For Class 56 Rating, Add	*3,131.81*	
40 05 19 00-3346	EA	16" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,776.60	592.45
		For Class 52 Rating, Deduct	*-1,196.68*	
		For Class 54 Rating, Add	*1,642.61*	
		For Class 55 Rating, Add	*2,447.55*	
		For Class 56 Rating, Add	*3,241.61*	
40 05 19 00-3347	EA	16" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,152.46	595.21
		For Class 52 Rating, Deduct	*-1,237.57*	
		For Class 54 Rating, Add	*1,698.42*	
		For Class 55 Rating, Add	*2,530.54*	
		For Class 56 Rating, Add	*3,351.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3348	EA	16" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,528.32	597.96
		For Class 52 Rating, Deduct	*-1,278.46*	
		For Class 54 Rating, Add	*1,754.22*	
		For Class 55 Rating, Add	*2,613.52*	
		For Class 56 Rating, Add	*3,461.20*	
40 05 19 00-3349	EA	16" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,904.19	600.72
		For Class 52 Rating, Deduct	*-1,319.34*	
		For Class 54 Rating, Add	*1,810.02*	
		For Class 55 Rating, Add	*2,696.51*	
		For Class 56 Rating, Add	*3,571.00*	
40 05 19 00-3350	EA	16" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,280.04	603.48
		For Class 52 Rating, Deduct	*-1,360.23*	
		For Class 54 Rating, Add	*1,865.83*	
		For Class 55 Rating, Add	*2,779.49*	
		For Class 56 Rating, Add	*3,680.80*	
40 05 19 00-3351	EA	16" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,655.91	606.23
		For Class 52 Rating, Deduct	*-1,401.11*	
		For Class 54 Rating, Add	*1,921.63*	
		For Class 55 Rating, Add	*2,862.48*	
		For Class 56 Rating, Add	*3,790.59*	
40 05 19 00-3352	EA	16" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,031.77	608.99
		For Class 52 Rating, Deduct	*-1,442.00*	
		For Class 54 Rating, Add	*1,977.43*	
		For Class 55 Rating, Add	*2,945.47*	
		For Class 56 Rating, Add	*3,900.39*	
40 05 19 00-3353	EA	16" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,407.63	611.75
		For Class 52 Rating, Deduct	*-1,482.88*	
		For Class 54 Rating, Add	*2,033.24*	
		For Class 55 Rating, Add	*3,028.45*	
		For Class 56 Rating, Add	*4,010.19*	
40 05 19 00-3354	EA	16" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,783.49	614.51
		For Class 52 Rating, Deduct	*-1,523.77*	
		For Class 54 Rating, Add	*2,089.04*	
		For Class 55 Rating, Add	*3,111.44*	
		For Class 56 Rating, Add	*4,119.99*	
40 05 19 00-3355	EA	16" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,159.35	617.24
		For Class 52 Rating, Deduct	*-1,564.65*	
		For Class 54 Rating, Add	*2,144.84*	
		For Class 55 Rating, Add	*3,194.42*	
		For Class 56 Rating, Add	*4,229.78*	
40 05 19 00-3356	EA	16" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,535.21	620.00
		For Class 52 Rating, Deduct	*-1,605.54*	
		For Class 54 Rating, Add	*2,200.64*	
		For Class 55 Rating, Add	*3,277.41*	
		For Class 56 Rating, Add	*4,339.58*	
40 05 19 00-3357	EA	16" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,911.07	622.76
		For Class 52 Rating, Deduct	*-1,646.42*	
		For Class 54 Rating, Add	*2,256.45*	
		For Class 55 Rating, Add	*3,360.40*	
		For Class 56 Rating, Add	*4,449.38*	
40 05 19 00-3358	EA	16" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,286.94	625.51
		For Class 52 Rating, Deduct	*-1,687.31*	
		For Class 54 Rating, Add	*2,312.25*	
		For Class 55 Rating, Add	*3,443.38*	
		For Class 56 Rating, Add	*4,559.18*	
40 05 19 00-3359	EA	16" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,662.79	628.27
		For Class 52 Rating, Deduct	*-1,728.19*	
		For Class 54 Rating, Add	*2,368.05*	
		For Class 55 Rating, Add	*3,526.37*	
		For Class 56 Rating, Add	*4,668.97*	
40 05 19 00-3360	EA	16" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,038.65	631.03
		For Class 52 Rating, Deduct	*-1,769.08*	
		For Class 54 Rating, Add	*2,423.86*	
		For Class 55 Rating, Add	*3,609.36*	
		For Class 56 Rating, Add	*4,778.77*	

40 05 19 00-3361 18" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3362	EA	18" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,633.96	596.32
		For Class 52 Rating, Deduct	*-300.35*	
		For Class 54 Rating, Add	*420.41*	
		For Class 55 Rating, Add	*630.58*	
		For Class 56 Rating, Add	*838.01*	
40 05 19 00-3363	EA	18" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,067.00	599.07
		For Class 52 Rating, Deduct	*-347.53*	
		For Class 54 Rating, Add	*484.79*	
		For Class 55 Rating, Add	*726.31*	
		For Class 56 Rating, Add	*964.68*	
40 05 19 00-3364	EA	18" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,500.05	601.81
		For Class 52 Rating, Deduct	*-394.70*	
		For Class 54 Rating, Add	*549.17*	
		For Class 55 Rating, Add	*822.05*	
		For Class 56 Rating, Add	*1,091.35*	
40 05 19 00-3365	EA	18" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,933.09	604.57
		For Class 52 Rating, Deduct	*-441.88*	
		For Class 54 Rating, Add	*613.55*	
		For Class 55 Rating, Add	*917.79*	
		For Class 56 Rating, Add	*1,218.01*	
40 05 19 00-3366	EA	18" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,366.13	607.33
		For Class 52 Rating, Deduct	*-489.05*	
		For Class 54 Rating, Add	*677.93*	
		For Class 55 Rating, Add	*1,013.53*	
		For Class 56 Rating, Add	*1,344.68*	
40 05 19 00-3367	EA	18" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,799.17	610.08
		For Class 52 Rating, Deduct	*-536.23*	
		For Class 54 Rating, Add	*742.31*	
		For Class 55 Rating, Add	*1,109.27*	
		For Class 56 Rating, Add	*1,471.34*	
40 05 19 00-3368	EA	18" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,232.22	612.84
		For Class 52 Rating, Deduct	*-583.40*	
		For Class 54 Rating, Add	*806.69*	
		For Class 55 Rating, Add	*1,205.00*	
		For Class 56 Rating, Add	*1,598.01*	
40 05 19 00-3369	EA	18" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,665.27	615.60
		For Class 52 Rating, Deduct	*-630.58*	
		For Class 54 Rating, Add	*871.07*	
		For Class 55 Rating, Add	*1,300.74*	
		For Class 56 Rating, Add	*1,724.68*	
40 05 19 00-3370	EA	18" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,098.30	618.36
		For Class 52 Rating, Deduct	*-677.75*	
		For Class 54 Rating, Add	*935.45*	
		For Class 55 Rating, Add	*1,396.48*	
		For Class 56 Rating, Add	*1,851.34*	
40 05 19 00-3371	EA	18" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,531.34	621.10
		For Class 52 Rating, Deduct	*-724.93*	
		For Class 54 Rating, Add	*999.83*	
		For Class 55 Rating, Add	*1,492.22*	
		For Class 56 Rating, Add	*1,978.01*	
40 05 19 00-3372	EA	18" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,964.40	623.86
		For Class 52 Rating, Deduct	*-772.11*	
		For Class 54 Rating, Add	*1,064.21*	
		For Class 55 Rating, Add	*1,587.95*	
		For Class 56 Rating, Add	*2,104.68*	
40 05 19 00-3373	EA	18" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,397.44	626.62
		For Class 52 Rating, Deduct	*-819.28*	
		For Class 54 Rating, Add	*1,128.59*	
		For Class 55 Rating, Add	*1,683.69*	
		For Class 56 Rating, Add	*2,231.34*	
40 05 19 00-3374	EA	18" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,830.48	629.37
		For Class 52 Rating, Deduct	*-866.46*	
		For Class 54 Rating, Add	*1,192.98*	
		For Class 55 Rating, Add	*1,779.43*	
		For Class 56 Rating, Add	*2,358.01*	
40 05 19 00-3375	EA	18" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,263.51	632.13
		For Class 52 Rating, Deduct	*-913.63*	
		For Class 54 Rating, Add	*1,257.35*	
		For Class 55 Rating, Add	*1,875.17*	
		For Class 56 Rating, Add	*2,484.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3376	EA	18" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,696.56	634.89
		For Class 52 Rating, Deduct	*-960.81*	
		For Class 54 Rating, Add	*1,321.73*	
		For Class 55 Rating, Add	*1,970.90*	
		For Class 56 Rating, Add	*2,611.34*	
40 05 19 00-3377	EA	18" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,129.61	637.65
		For Class 52 Rating, Deduct	*-1,007.98*	
		For Class 54 Rating, Add	*1,386.12*	
		For Class 55 Rating, Add	*2,066.64*	
		For Class 56 Rating, Add	*2,738.01*	
40 05 19 00-3378	EA	18" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,562.65	640.39
		For Class 52 Rating, Deduct	*-1,055.16*	
		For Class 54 Rating, Add	*1,450.50*	
		For Class 55 Rating, Add	*2,162.38*	
		For Class 56 Rating, Add	*2,864.67*	
40 05 19 00-3379	EA	18" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,995.69	643.15
		For Class 52 Rating, Deduct	*-1,102.33*	
		For Class 54 Rating, Add	*1,514.88*	
		For Class 55 Rating, Add	*2,258.12*	
		For Class 56 Rating, Add	*2,991.34*	
40 05 19 00-3380	EA	18" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,428.73	645.91
		For Class 52 Rating, Deduct	*-1,149.51*	
		For Class 54 Rating, Add	*1,579.26*	
		For Class 55 Rating, Add	*2,353.86*	
		For Class 56 Rating, Add	*3,118.01*	
40 05 19 00-3381	EA	18" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,861.78	648.66
		For Class 52 Rating, Deduct	*-1,196.68*	
		For Class 54 Rating, Add	*1,643.64*	
		For Class 55 Rating, Add	*2,449.59*	
		For Class 56 Rating, Add	*3,244.67*	
40 05 19 00-3382	EA	18" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,294.82	651.42
		For Class 52 Rating, Deduct	*-1,243.86*	
		For Class 54 Rating, Add	*1,708.02*	
		For Class 55 Rating, Add	*2,545.33*	
		For Class 56 Rating, Add	*3,371.34*	
40 05 19 00-3383	EA	18" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,727.87	654.18
		For Class 52 Rating, Deduct	*-1,291.04*	
		For Class 54 Rating, Add	*1,772.40*	
		For Class 55 Rating, Add	*2,641.07*	
		For Class 56 Rating, Add	*3,498.01*	
40 05 19 00-3384	EA	18" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,160.91	656.94
		For Class 52 Rating, Deduct	*-1,338.21*	
		For Class 54 Rating, Add	*1,836.78*	
		For Class 55 Rating, Add	*2,736.81*	
		For Class 56 Rating, Add	*3,624.67*	
40 05 19 00-3385	EA	18" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,593.95	659.69
		For Class 52 Rating, Deduct	*-1,385.39*	
		For Class 54 Rating, Add	*1,901.16*	
		For Class 55 Rating, Add	*2,832.54*	
		For Class 56 Rating, Add	*3,751.34*	
40 05 19 00-3386	EA	18" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,026.99	662.45
		For Class 52 Rating, Deduct	*-1,432.56*	
		For Class 54 Rating, Add	*1,965.54*	
		For Class 55 Rating, Add	*2,928.28*	
		For Class 56 Rating, Add	*3,878.00*	
40 05 19 00-3387	EA	18" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,460.04	665.20
		For Class 52 Rating, Deduct	*-1,479.74*	
		For Class 54 Rating, Add	*2,029.92*	
		For Class 55 Rating, Add	*3,024.02*	
		For Class 56 Rating, Add	*4,004.67*	
40 05 19 00-3388	EA	18" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,893.08	667.96
		For Class 52 Rating, Deduct	*-1,526.91*	
		For Class 54 Rating, Add	*2,094.30*	
		For Class 55 Rating, Add	*3,119.76*	
		For Class 56 Rating, Add	*4,131.34*	
40 05 19 00-3389	EA	18" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,326.13	670.70
		For Class 52 Rating, Deduct	*-1,574.09*	
		For Class 54 Rating, Add	*2,158.68*	
		For Class 55 Rating, Add	*3,215.50*	
		For Class 56 Rating, Add	*4,258.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3390	EA	18" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,759.17	673.46
		For Class 52 Rating, Deduct	*-1,621.26*	
		For Class 54 Rating, Add	*2,223.06*	
		For Class 55 Rating, Add	*3,311.23*	
		For Class 56 Rating, Add	*4,384.67*	
40 05 19 00-3391	EA	18" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,192.21	676.22
		For Class 52 Rating, Deduct	*-1,668.44*	
		For Class 54 Rating, Add	*2,287.44*	
		For Class 55 Rating, Add	*3,406.97*	
		For Class 56 Rating, Add	*4,511.34*	
40 05 19 00-3392	EA	18" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,625.25	678.97
		For Class 52 Rating, Deduct	*-1,715.62*	
		For Class 54 Rating, Add	*2,351.82*	
		For Class 55 Rating, Add	*3,502.71*	
		For Class 56 Rating, Add	*4,638.00*	
40 05 19 00-3393	EA	18" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,058.30	681.73
		For Class 52 Rating, Deduct	*-1,762.79*	
		For Class 54 Rating, Add	*2,416.20*	
		For Class 55 Rating, Add	*3,598.45*	
		For Class 56 Rating, Add	*4,764.67*	
40 05 19 00-3394	EA	18" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,491.35	684.49
		For Class 52 Rating, Deduct	*-1,809.97*	
		For Class 54 Rating, Add	*2,480.58*	
		For Class 55 Rating, Add	*3,694.19*	
		For Class 56 Rating, Add	*4,891.34*	
40 05 19 00-3395	EA	18" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,924.38	687.24
		For Class 52 Rating, Deduct	*-1,857.14*	
		For Class 54 Rating, Add	*2,544.96*	
		For Class 55 Rating, Add	*3,789.92*	
		For Class 56 Rating, Add	*5,018.00*	
40 05 19 00-3396	EA	18" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,357.42	689.99
		For Class 52 Rating, Deduct	*-1,904.32*	
		For Class 54 Rating, Add	*2,609.34*	
		For Class 55 Rating, Add	*3,885.66*	
		For Class 56 Rating, Add	*5,144.67*	
40 05 19 00-3397	EA	18" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,790.46	692.75
		For Class 52 Rating, Deduct	*-1,951.49*	
		For Class 54 Rating, Add	*2,673.72*	
		For Class 55 Rating, Add	*3,981.40*	
		For Class 56 Rating, Add	*5,271.33*	
40 05 19 00-3398	EA	18" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,223.52	695.51
		For Class 52 Rating, Deduct	*-1,998.67*	
		For Class 54 Rating, Add	*2,738.10*	
		For Class 55 Rating, Add	*4,077.14*	
		For Class 56 Rating, Add	*5,398.00*	
40 05 19 00-3399	EA	18" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,656.56	698.26
		For Class 52 Rating, Deduct	*-2,045.84*	
		For Class 54 Rating, Add	*2,802.48*	
		For Class 55 Rating, Add	*4,172.87*	
		For Class 56 Rating, Add	*5,524.67*	

40 05 19 00-3400 20" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

40 05 19 00-3401	EA	20" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,233.47	680.64
		For Class 52 Rating, Deduct	*-352.24*	
		For Class 54 Rating, Add	*492.71*	
		For Class 55 Rating, Add	*738.84*	
		For Class 56 Rating, Add	*981.78*	
40 05 19 00-3402	EA	20" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,726.55	683.39
		For Class 52 Rating, Deduct	*-406.02*	
		For Class 54 Rating, Add	*566.09*	
		For Class 55 Rating, Add	*847.97*	
		For Class 56 Rating, Add	*1,126.16*	
40 05 19 00-3403	EA	20" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,219.64	686.13
		For Class 52 Rating, Deduct	*-459.80*	
		For Class 54 Rating, Add	*639.48*	
		For Class 55 Rating, Add	*957.10*	
		For Class 56 Rating, Add	*1,270.53*	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3404	EA	20" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,712.72	688.89
		For Class 52 Rating, Deduct	*-513.58*	
		For Class 54 Rating, Add	*712.87*	
		For Class 55 Rating, Add	*1,066.22*	
		For Class 56 Rating, Add	*1,414.91*	
40 05 19 00-3405	EA	20" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,205.81	691.65
		For Class 52 Rating, Deduct	*-567.36*	
		For Class 54 Rating, Add	*786.25*	
		For Class 55 Rating, Add	*1,175.35*	
		For Class 56 Rating, Add	*1,559.29*	
40 05 19 00-3406	EA	20" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,698.89	694.40
		For Class 52 Rating, Deduct	*-621.14*	
		For Class 54 Rating, Add	*859.64*	
		For Class 55 Rating, Add	*1,284.48*	
		For Class 56 Rating, Add	*1,703.67*	
40 05 19 00-3407	EA	20" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,191.98	697.16
		For Class 52 Rating, Deduct	*-674.92*	
		For Class 54 Rating, Add	*933.03*	
		For Class 55 Rating, Add	*1,393.61*	
		For Class 56 Rating, Add	*1,848.05*	
40 05 19 00-3408	EA	20" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,685.06	699.92
		For Class 52 Rating, Deduct	*-728.70*	
		For Class 54 Rating, Add	*1,006.41*	
		For Class 55 Rating, Add	*1,502.73*	
		For Class 56 Rating, Add	*1,992.43*	
40 05 19 00-3409	EA	20" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,178.15	702.68
		For Class 52 Rating, Deduct	*-782.48*	
		For Class 54 Rating, Add	*1,079.80*	
		For Class 55 Rating, Add	*1,611.86*	
		For Class 56 Rating, Add	*2,136.81*	
40 05 19 00-3410	EA	20" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,671.23	705.42
		For Class 52 Rating, Deduct	*-836.26*	
		For Class 54 Rating, Add	*1,153.19*	
		For Class 55 Rating, Add	*1,720.99*	
		For Class 56 Rating, Add	*2,281.19*	
40 05 19 00-3411	EA	20" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,164.32	708.18
		For Class 52 Rating, Deduct	*-890.04*	
		For Class 54 Rating, Add	*1,226.57*	
		For Class 55 Rating, Add	*1,830.11*	
		For Class 56 Rating, Add	*2,425.56*	
40 05 19 00-3412	EA	20" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,657.40	710.94
		For Class 52 Rating, Deduct	*-943.82*	
		For Class 54 Rating, Add	*1,299.96*	
		For Class 55 Rating, Add	*1,939.24*	
		For Class 56 Rating, Add	*2,569.94*	
40 05 19 00-3413	EA	20" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,150.48	713.69
		For Class 52 Rating, Deduct	*-997.60*	
		For Class 54 Rating, Add	*1,373.35*	
		For Class 55 Rating, Add	*2,048.37*	
		For Class 56 Rating, Add	*2,714.32*	
40 05 19 00-3414	EA	20" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,643.58	716.45
		For Class 52 Rating, Deduct	*-1,051.38*	
		For Class 54 Rating, Add	*1,446.73*	
		For Class 55 Rating, Add	*2,157.50*	
		For Class 56 Rating, Add	*2,858.70*	
40 05 19 00-3415	EA	20" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,136.66	719.21
		For Class 52 Rating, Deduct	*-1,105.16*	
		For Class 54 Rating, Add	*1,520.12*	
		For Class 55 Rating, Add	*2,266.62*	
		For Class 56 Rating, Add	*3,003.08*	
40 05 19 00-3416	EA	20" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,629.74	721.97
		For Class 52 Rating, Deduct	*-1,158.94*	
		For Class 54 Rating, Add	*1,593.51*	
		For Class 55 Rating, Add	*2,375.75*	
		For Class 56 Rating, Add	*3,147.46*	
40 05 19 00-3417	EA	20" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,122.82	724.72
		For Class 52 Rating, Deduct	*-1,212.72*	
		For Class 54 Rating, Add	*1,666.89*	
		For Class 55 Rating, Add	*2,484.88*	
		For Class 56 Rating, Add	*3,291.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3418	EA	20" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,615.92	727.47
		For Class 52 Rating, Deduct	*-1,266.50*	
		For Class 54 Rating, Add	*1,740.28*	
		For Class 55 Rating, Add	*2,594.00*	
		For Class 56 Rating, Add	*3,436.22*	
40 05 19 00-3419	EA	20" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,109.00	730.23
		For Class 52 Rating, Deduct	*-1,320.28*	
		For Class 54 Rating, Add	*1,813.67*	
		For Class 55 Rating, Add	*2,703.13*	
		For Class 56 Rating, Add	*3,580.59*	
40 05 19 00-3420	EA	20" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,602.08	732.99
		For Class 52 Rating, Deduct	*-1,374.07*	
		For Class 54 Rating, Add	*1,887.05*	
		For Class 55 Rating, Add	*2,812.26*	
		For Class 56 Rating, Add	*3,724.97*	
40 05 19 00-3421	EA	20" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,095.16	735.74
		For Class 52 Rating, Deduct	*-1,427.84*	
		For Class 54 Rating, Add	*1,960.44*	
		For Class 55 Rating, Add	*2,921.38*	
		For Class 56 Rating, Add	*3,869.35*	
40 05 19 00-3422	EA	20" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,588.25	738.50
		For Class 52 Rating, Deduct	*-1,481.62*	
		For Class 54 Rating, Add	*2,033.82*	
		For Class 55 Rating, Add	*3,030.51*	
		For Class 56 Rating, Add	*4,013.73*	
40 05 19 00-3423	EA	20" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,081.33	741.26
		For Class 52 Rating, Deduct	*-1,535.40*	
		For Class 54 Rating, Add	*2,107.21*	
		For Class 55 Rating, Add	*3,139.64*	
		For Class 56 Rating, Add	*4,158.11*	
40 05 19 00-3424	EA	20" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,574.41	744.01
		For Class 52 Rating, Deduct	*-1,589.18*	
		For Class 54 Rating, Add	*2,180.60*	
		For Class 55 Rating, Add	*3,248.76*	
		For Class 56 Rating, Add	*4,302.49*	
40 05 19 00-3425	EA	20" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,067.50	746.77
		For Class 52 Rating, Deduct	*-1,642.96*	
		For Class 54 Rating, Add	*2,253.98*	
		For Class 55 Rating, Add	*3,357.89*	
		For Class 56 Rating, Add	*4,446.86*	
40 05 19 00-3426	EA	20" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,560.59	749.52
		For Class 52 Rating, Deduct	*-1,696.74*	
		For Class 54 Rating, Add	*2,327.37*	
		For Class 55 Rating, Add	*3,467.02*	
		For Class 56 Rating, Add	*4,591.24*	
40 05 19 00-3427	EA	20" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,053.67	752.28
		For Class 52 Rating, Deduct	*-1,750.52*	
		For Class 54 Rating, Add	*2,400.76*	
		For Class 55 Rating, Add	*3,576.15*	
		For Class 56 Rating, Add	*4,735.62*	
40 05 19 00-3428	EA	20" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,546.75	755.02
		For Class 52 Rating, Deduct	*-1,804.30*	
		For Class 54 Rating, Add	*2,474.14*	
		For Class 55 Rating, Add	*3,685.27*	
		For Class 56 Rating, Add	*4,880.00*	
40 05 19 00-3429	EA	20" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,039.84	757.78
		For Class 52 Rating, Deduct	*-1,858.08*	
		For Class 54 Rating, Add	*2,547.53*	
		For Class 55 Rating, Add	*3,794.40*	
		For Class 56 Rating, Add	*5,024.38*	
40 05 19 00-3430	EA	20" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,532.92	760.54
		For Class 52 Rating, Deduct	*-1,911.86*	
		For Class 54 Rating, Add	*2,620.92*	
		For Class 55 Rating, Add	*3,903.53*	
		For Class 56 Rating, Add	*5,168.76*	
40 05 19 00-3431	EA	20" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,026.01	763.29
		For Class 52 Rating, Deduct	*-1,965.65*	
		For Class 54 Rating, Add	*2,694.30*	
		For Class 55 Rating, Add	*4,012.65*	
		For Class 56 Rating, Add	*5,313.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3432	EA	20" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,519.10	766.05
		For Class 52 Rating, Deduct	*-2,019.43*	
		For Class 54 Rating, Add	*2,767.69*	
		For Class 55 Rating, Add	*4,121.78*	
		For Class 56 Rating, Add	*5,457.52*	
40 05 19 00-3433	EA	20" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,012.18	768.81
		For Class 52 Rating, Deduct	*-2,073.21*	
		For Class 54 Rating, Add	*2,841.08*	
		For Class 55 Rating, Add	*4,230.91*	
		For Class 56 Rating, Add	*5,601.89*	
40 05 19 00-3434	EA	20" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,505.26	771.57
		For Class 52 Rating, Deduct	*-2,126.99*	
		For Class 54 Rating, Add	*2,914.46*	
		For Class 55 Rating, Add	*4,340.04*	
		For Class 56 Rating, Add	*5,746.27*	
40 05 19 00-3435	EA	20" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,998.35	774.31
		For Class 52 Rating, Deduct	*-2,180.77*	
		For Class 54 Rating, Add	*2,987.85*	
		For Class 55 Rating, Add	*4,449.16*	
		For Class 56 Rating, Add	*5,890.65*	
40 05 19 00-3436	EA	20" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,491.44	777.07
		For Class 52 Rating, Deduct	*-2,234.55*	
		For Class 54 Rating, Add	*3,061.24*	
		For Class 55 Rating, Add	*4,558.29*	
		For Class 56 Rating, Add	*6,035.03*	
40 05 19 00-3437	EA	20" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,984.52	779.83
		For Class 52 Rating, Deduct	*-2,288.33*	
		For Class 54 Rating, Add	*3,134.62*	
		For Class 55 Rating, Add	*4,667.42*	
		For Class 56 Rating, Add	*6,179.41*	
40 05 19 00-3438	EA	20" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,477.60	782.58
		For Class 52 Rating, Deduct	*-2,342.11*	
		For Class 54 Rating, Add	*3,208.01*	
		For Class 55 Rating, Add	*4,776.54*	
		For Class 56 Rating, Add	*6,323.79*	

40 05 19 00-3439 24" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

40 05 19 00-3440	EA	24" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,216.18	804.63
		For Class 52 Rating, Deduct	*-439.68*	
		For Class 54 Rating, Add	*614.19*	
		For Class 55 Rating, Add	*920.60*	
		For Class 56 Rating, Add	*1,223.02*	
40 05 19 00-3441	EA	24" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,826.50	807.39
		For Class 52 Rating, Deduct	*-506.35*	
		For Class 54 Rating, Add	*705.16*	
		For Class 55 Rating, Add	*1,055.87*	
		For Class 56 Rating, Add	*1,401.98*	
40 05 19 00-3442	EA	24" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,436.81	810.15
		For Class 52 Rating, Deduct	*-573.03*	
		For Class 54 Rating, Add	*796.13*	
		For Class 55 Rating, Add	*1,191.14*	
		For Class 56 Rating, Add	*1,580.94*	
40 05 19 00-3443	EA	24" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,047.11	812.90
		For Class 52 Rating, Deduct	*-639.70*	
		For Class 54 Rating, Add	*887.10*	
		For Class 55 Rating, Add	*1,326.41*	
		For Class 56 Rating, Add	*1,759.90*	
40 05 19 00-3444	EA	24" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,657.42	815.65
		For Class 52 Rating, Deduct	*-706.37*	
		For Class 54 Rating, Add	*978.07*	
		For Class 55 Rating, Add	*1,461.67*	
		For Class 56 Rating, Add	*1,938.86*	
40 05 19 00-3445	EA	24" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,267.73	818.41
		For Class 52 Rating, Deduct	*-773.05*	
		For Class 54 Rating, Add	*1,069.04*	
		For Class 55 Rating, Add	*1,596.94*	
		For Class 56 Rating, Add	*2,117.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3446	EA	24" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,878.04	821.17
		For Class 52 Rating, Deduct	*-839.72*	
		For Class 54 Rating, Add	*1,160.01*	
		For Class 55 Rating, Add	*1,732.21*	
		For Class 56 Rating, Add	*2,296.78*	
40 05 19 00-3447	EA	24" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,488.34	823.92
		For Class 52 Rating, Deduct	*-906.40*	
		For Class 54 Rating, Add	*1,250.98*	
		For Class 55 Rating, Add	*1,867.48*	
		For Class 56 Rating, Add	*2,475.74*	
40 05 19 00-3448	EA	24" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,098.66	826.68
		For Class 52 Rating, Deduct	*-973.07*	
		For Class 54 Rating, Add	*1,341.95*	
		For Class 55 Rating, Add	*2,002.75*	
		For Class 56 Rating, Add	*2,654.70*	
40 05 19 00-3449	EA	24" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,708.96	829.44
		For Class 52 Rating, Deduct	*-1,039.75*	
		For Class 54 Rating, Add	*1,432.92*	
		For Class 55 Rating, Add	*2,138.01*	
		For Class 56 Rating, Add	*2,833.66*	
40 05 19 00-3450	EA	24" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,319.27	832.18
		For Class 52 Rating, Deduct	*-1,106.42*	
		For Class 54 Rating, Add	*1,523.89*	
		For Class 55 Rating, Add	*2,273.28*	
		For Class 56 Rating, Add	*3,012.61*	
40 05 19 00-3451	EA	24" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,929.58	834.94
		For Class 52 Rating, Deduct	*-1,173.10*	
		For Class 54 Rating, Add	*1,614.86*	
		For Class 55 Rating, Add	*2,408.55*	
		For Class 56 Rating, Add	*3,191.58*	
40 05 19 00-3452	EA	24" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,539.89	837.69
		For Class 52 Rating, Deduct	*-1,239.77*	
		For Class 54 Rating, Add	*1,705.83*	
		For Class 55 Rating, Add	*2,543.82*	
		For Class 56 Rating, Add	*3,370.53*	
40 05 19 00-3453	EA	24" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,150.19	840.45
		For Class 52 Rating, Deduct	*-1,306.45*	
		For Class 54 Rating, Add	*1,796.80*	
		For Class 55 Rating, Add	*2,679.08*	
		For Class 56 Rating, Add	*3,549.49*	
40 05 19 00-3454	EA	24" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,760.51	843.20
		For Class 52 Rating, Deduct	*-1,373.12*	
		For Class 54 Rating, Add	*1,887.77*	
		For Class 55 Rating, Add	*2,814.35*	
		For Class 56 Rating, Add	*3,728.45*	
40 05 19 00-3455	EA	24" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,370.82	845.96
		For Class 52 Rating, Deduct	*-1,439.80*	
		For Class 54 Rating, Add	*1,978.74*	
		For Class 55 Rating, Add	*2,949.62*	
		For Class 56 Rating, Add	*3,907.41*	
40 05 19 00-3456	EA	24" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,981.12	848.72
		For Class 52 Rating, Deduct	*-1,506.47*	
		For Class 54 Rating, Add	*2,069.71*	
		For Class 55 Rating, Add	*3,084.89*	
		For Class 56 Rating, Add	*4,086.37*	
40 05 19 00-3457	EA	24" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,591.43	851.47
		For Class 52 Rating, Deduct	*-1,573.15*	
		For Class 54 Rating, Add	*2,160.68*	
		For Class 55 Rating, Add	*3,220.16*	
		For Class 56 Rating, Add	*4,265.33*	
40 05 19 00-3458	EA	24" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,201.74	854.23
		For Class 52 Rating, Deduct	*-1,639.82*	
		For Class 54 Rating, Add	*2,251.65*	
		For Class 55 Rating, Add	*3,355.42*	
		For Class 56 Rating, Add	*4,444.29*	
40 05 19 00-3459	EA	24" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,812.06	856.99
		For Class 52 Rating, Deduct	*-1,706.49*	
		For Class 54 Rating, Add	*2,342.62*	
		For Class 55 Rating, Add	*3,490.69*	
		For Class 56 Rating, Add	*4,623.25*	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3460	EA	24" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,422.36	859.75
		For Class 52 Rating, Deduct	*-1,773.17*	
		For Class 54 Rating, Add	*2,433.59*	
		For Class 55 Rating, Add	*3,625.96*	
		For Class 56 Rating, Add	*4,802.21*	
40 05 19 00-3461	EA	24" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,032.66	862.49
		For Class 52 Rating, Deduct	*-1,839.84*	
		For Class 54 Rating, Add	*2,524.56*	
		For Class 55 Rating, Add	*3,761.23*	
		For Class 56 Rating, Add	*4,981.17*	
40 05 19 00-3462	EA	24" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,642.98	865.25
		For Class 52 Rating, Deduct	*-1,906.52*	
		For Class 54 Rating, Add	*2,615.53*	
		For Class 55 Rating, Add	*3,896.50*	
		For Class 56 Rating, Add	*5,160.13*	
40 05 19 00-3463	EA	24" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,253.29	868.01
		For Class 52 Rating, Deduct	*-1,973.19*	
		For Class 54 Rating, Add	*2,706.50*	
		For Class 55 Rating, Add	*4,031.76*	
		For Class 56 Rating, Add	*5,339.09*	
40 05 19 00-3464	EA	24" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,863.59	870.77
		For Class 52 Rating, Deduct	*-2,039.87*	
		For Class 54 Rating, Add	*2,797.47*	
		For Class 55 Rating, Add	*4,167.03*	
		For Class 56 Rating, Add	*5,518.05*	
40 05 19 00-3465	EA	24" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,473.90	873.52
		For Class 52 Rating, Deduct	*-2,106.54*	
		For Class 54 Rating, Add	*2,888.44*	
		For Class 55 Rating, Add	*4,302.30*	
		For Class 56 Rating, Add	*5,697.01*	
40 05 19 00-3466	EA	24" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,084.21	876.28
		For Class 52 Rating, Deduct	*-2,173.22*	
		For Class 54 Rating, Add	*2,979.41*	
		For Class 55 Rating, Add	*4,437.57*	
		For Class 56 Rating, Add	*5,875.97*	
40 05 19 00-3467	EA	24" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,694.52	879.04
		For Class 52 Rating, Deduct	*-2,239.89*	
		For Class 54 Rating, Add	*3,070.38*	
		For Class 55 Rating, Add	*4,572.84*	
		For Class 56 Rating, Add	*6,054.93*	
40 05 19 00-3468	EA	24" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,304.83	881.78
		For Class 52 Rating, Deduct	*-2,306.57*	
		For Class 54 Rating, Add	*3,161.35*	
		For Class 55 Rating, Add	*4,708.11*	
		For Class 56 Rating, Add	*6,233.89*	
40 05 19 00-3469	EA	24" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,986.11	931.38
		For Class 52 Rating, Deduct	*-2,373.24*	
		For Class 54 Rating, Add	*3,253.17*	
		For Class 55 Rating, Add	*4,845.08*	
		For Class 56 Rating, Add	*6,415.40*	
40 05 19 00-3470	EA	24" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,596.41	934.14
		For Class 52 Rating, Deduct	*-2,439.92*	
		For Class 54 Rating, Add	*3,344.14*	
		For Class 55 Rating, Add	*4,980.34*	
		For Class 56 Rating, Add	*6,594.36*	
40 05 19 00-3471	EA	24" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,206.74	936.90
		For Class 52 Rating, Deduct	*-2,506.59*	
		For Class 54 Rating, Add	*3,435.11*	
		For Class 55 Rating, Add	*5,115.61*	
		For Class 56 Rating, Add	*6,773.32*	
40 05 19 00-3472	EA	24" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,817.04	939.66
		For Class 52 Rating, Deduct	*-2,573.27*	
		For Class 54 Rating, Add	*3,526.08*	
		For Class 55 Rating, Add	*5,250.88*	
		For Class 56 Rating, Add	*6,952.28*	
40 05 19 00-3473	EA	24" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,427.34	942.41
		For Class 52 Rating, Deduct	*-2,639.94*	
		For Class 54 Rating, Add	*3,617.05*	
		For Class 55 Rating, Add	*5,386.15*	
		For Class 56 Rating, Add	*7,131.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3474	EA	24" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,896.77	945.17
		For Class 52 Rating, Deduct	*-3,021.12*	
		For Class 54 Rating, Add	*4,136.89*	
		For Class 55 Rating, Add	*6,159.00*	
		For Class 56 Rating, Add	*8,153.64*	
40 05 19 00-3475	EA	24" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,647.97	947.93
		For Class 52 Rating, Deduct	*-2,773.29*	
		For Class 54 Rating, Add	*3,798.99*	
		For Class 55 Rating, Add	*5,656.68*	
		For Class 56 Rating, Add	*7,489.16*	
40 05 19 00-3476	EA	24" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,258.27	950.67
		For Class 52 Rating, Deduct	*-2,839.96*	
		For Class 54 Rating, Add	*3,889.96*	
		For Class 55 Rating, Add	*5,791.95*	
		For Class 56 Rating, Add	*7,668.12*	
40 05 19 00-3477	EA	24" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,868.58	953.43
		For Class 52 Rating, Deduct	*-2,906.64*	
		For Class 54 Rating, Add	*3,980.93*	
		For Class 55 Rating, Add	*5,927.22*	
		For Class 56 Rating, Add	*7,847.08*	

40 05 19 00-3478 30" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

40 05 19 00-3479	EA	30" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,850.80	1,135.30
		For Class 52 Rating, Deduct	*-784.37*	
		For Class 54 Rating, Add	*1,090.24*	
		For Class 55 Rating, Add	*1,631.42*	
		For Class 56 Rating, Add	*2,165.47*	
40 05 19 00-3480	EA	30" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,724.15	1,138.05
		For Class 52 Rating, Deduct	*-879.98*	
		For Class 54 Rating, Add	*1,220.66*	
		For Class 55 Rating, Add	*1,825.34*	
		For Class 56 Rating, Add	*2,422.02*	
40 05 19 00-3481	EA	30" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,597.49	1,140.81
		For Class 52 Rating, Deduct	*-975.59*	
		For Class 54 Rating, Add	*1,351.09*	
		For Class 55 Rating, Add	*2,019.27*	
		For Class 56 Rating, Add	*2,678.58*	
40 05 19 00-3482	EA	30" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,470.83	1,143.57
		For Class 52 Rating, Deduct	*-1,071.20*	
		For Class 54 Rating, Add	*1,481.52*	
		For Class 55 Rating, Add	*2,213.19*	
		For Class 56 Rating, Add	*2,935.13*	
40 05 19 00-3483	EA	30" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,344.20	1,146.33
		For Class 52 Rating, Deduct	*-1,166.81*	
		For Class 54 Rating, Add	*1,611.94*	
		For Class 55 Rating, Add	*2,407.12*	
		For Class 56 Rating, Add	*3,191.69*	
40 05 19 00-3484	EA	30" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,217.54	1,149.08
		For Class 52 Rating, Deduct	*-1,262.42*	
		For Class 54 Rating, Add	*1,742.37*	
		For Class 55 Rating, Add	*2,601.05*	
		For Class 56 Rating, Add	*3,448.25*	
40 05 19 00-3485	EA	30" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,090.88	1,151.83
		For Class 52 Rating, Deduct	*-1,358.02*	
		For Class 54 Rating, Add	*1,872.79*	
		For Class 55 Rating, Add	*2,794.97*	
		For Class 56 Rating, Add	*3,704.80*	
40 05 19 00-3486	EA	30" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,964.22	1,154.59
		For Class 52 Rating, Deduct	*-1,453.63*	
		For Class 54 Rating, Add	*2,003.22*	
		For Class 55 Rating, Add	*2,988.90*	
		For Class 56 Rating, Add	*3,961.36*	
40 05 19 00-3487	EA	30" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,837.59	1,157.34
		For Class 52 Rating, Deduct	*-1,549.24*	
		For Class 54 Rating, Add	*2,133.65*	
		For Class 55 Rating, Add	*3,182.82*	
		For Class 56 Rating, Add	*4,217.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3488	EA	30" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,710.93	1,160.10
		For Class 52 Rating, Deduct	*-1,644.85*	
		For Class 54 Rating, Add	*2,264.07*	
		For Class 55 Rating, Add	*3,376.75*	
		For Class 56 Rating, Add	*4,474.47*	
40 05 19 00-3489	EA	30" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,584.27	1,162.86
		For Class 52 Rating, Deduct	*-1,740.46*	
		For Class 54 Rating, Add	*2,394.50*	
		For Class 55 Rating, Add	*3,570.67*	
		For Class 56 Rating, Add	*4,731.03*	
40 05 19 00-3490	EA	30" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,457.61	1,165.62
		For Class 52 Rating, Deduct	*-1,836.07*	
		For Class 54 Rating, Add	*2,524.92*	
		For Class 55 Rating, Add	*3,764.60*	
		For Class 56 Rating, Add	*4,987.58*	
40 05 19 00-3491	EA	30" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,330.98	1,168.37
		For Class 52 Rating, Deduct	*-1,931.68*	
		For Class 54 Rating, Add	*2,655.35*	
		For Class 55 Rating, Add	*3,958.53*	
		For Class 56 Rating, Add	*5,244.14*	
40 05 19 00-3492	EA	30" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,204.32	1,171.13
		For Class 52 Rating, Deduct	*-2,027.29*	
		For Class 54 Rating, Add	*2,785.78*	
		For Class 55 Rating, Add	*4,152.45*	
		For Class 56 Rating, Add	*5,500.70*	
40 05 19 00-3493	EA	30" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,077.66	1,173.88
		For Class 52 Rating, Deduct	*-2,122.90*	
		For Class 54 Rating, Add	*2,916.20*	
		For Class 55 Rating, Add	*4,346.38*	
		For Class 56 Rating, Add	*5,757.25*	
40 05 19 00-3494	EA	30" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,951.01	1,176.63
		For Class 52 Rating, Deduct	*-2,218.51*	
		For Class 54 Rating, Add	*3,046.63*	
		For Class 55 Rating, Add	*4,540.30*	
		For Class 56 Rating, Add	*6,013.81*	
40 05 19 00-3495	EA	30" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,824.36	1,179.39
		For Class 52 Rating, Deduct	*-2,314.11*	
		For Class 54 Rating, Add	*3,177.05*	
		For Class 55 Rating, Add	*4,734.23*	
		For Class 56 Rating, Add	*6,270.36*	
40 05 19 00-3496	EA	30" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,697.71	1,182.15
		For Class 52 Rating, Deduct	*-2,409.72*	
		For Class 54 Rating, Add	*3,307.48*	
		For Class 55 Rating, Add	*4,928.15*	
		For Class 56 Rating, Add	*6,526.92*	
40 05 19 00-3497	EA	30" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,571.05	1,184.91
		For Class 52 Rating, Deduct	*-2,505.33*	
		For Class 54 Rating, Add	*3,437.91*	
		For Class 55 Rating, Add	*5,122.08*	
		For Class 56 Rating, Add	*6,783.48*	
40 05 19 00-3498	EA	30" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,444.40	1,187.65
		For Class 52 Rating, Deduct	*-2,600.94*	
		For Class 54 Rating, Add	*3,568.33*	
		For Class 55 Rating, Add	*5,316.00*	
		For Class 56 Rating, Add	*7,040.03*	
40 05 19 00-3499	EA	30" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,317.74	1,190.41
		For Class 52 Rating, Deduct	*-2,696.55*	
		For Class 54 Rating, Add	*3,698.76*	
		For Class 55 Rating, Add	*5,509.93*	
		For Class 56 Rating, Add	*7,296.59*	
40 05 19 00-3500	EA	30" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,191.10	1,193.17
		For Class 52 Rating, Deduct	*-2,792.16*	
		For Class 54 Rating, Add	*3,829.18*	
		For Class 55 Rating, Add	*5,703.86*	
		For Class 56 Rating, Add	*7,553.15*	
40 05 19 00-3501	EA	30" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,064.45	1,195.91
		For Class 52 Rating, Deduct	*-2,887.77*	
		For Class 54 Rating, Add	*3,959.61*	
		For Class 55 Rating, Add	*5,897.78*	
		For Class 56 Rating, Add	*7,809.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3502	EA	30" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,937.79	1,198.67
		For Class 52 Rating, Deduct	*-2,983.38*	
		For Class 54 Rating, Add	*4,090.04*	
		For Class 55 Rating, Add	*6,091.71*	
		For Class 56 Rating, Add	*8,066.26*	
40 05 19 00-3503	EA	30" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,811.13	1,201.43
		For Class 52 Rating, Deduct	*-3,078.99*	
		For Class 54 Rating, Add	*4,220.46*	
		For Class 55 Rating, Add	*6,285.63*	
		For Class 56 Rating, Add	*8,322.81*	
40 05 19 00-3504	EA	30" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,684.49	1,204.19
		For Class 52 Rating, Deduct	*-3,174.60*	
		For Class 54 Rating, Add	*4,350.89*	
		For Class 55 Rating, Add	*6,479.56*	
		For Class 56 Rating, Add	*8,579.37*	
40 05 19 00-3505	EA	30" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,557.84	1,206.94
		For Class 52 Rating, Deduct	*-3,270.20*	
		For Class 54 Rating, Add	*4,481.31*	
		For Class 55 Rating, Add	*6,673.49*	
		For Class 56 Rating, Add	*8,835.93*	
40 05 19 00-3506	EA	30" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,431.18	1,209.70
		For Class 52 Rating, Deduct	*-3,365.81*	
		For Class 54 Rating, Add	*4,611.74*	
		For Class 55 Rating, Add	*6,867.41*	
		For Class 56 Rating, Add	*9,092.48*	
40 05 19 00-3507	EA	30" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,304.52	1,212.46
		For Class 52 Rating, Deduct	*-3,461.42*	
		For Class 54 Rating, Add	*4,742.17*	
		For Class 55 Rating, Add	*7,061.34*	
		For Class 56 Rating, Add	*9,349.04*	
40 05 19 00-3508	EA	30" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,177.88	1,215.22
		For Class 52 Rating, Deduct	*-3,557.03*	
		For Class 54 Rating, Add	*4,872.59*	
		For Class 55 Rating, Add	*7,255.26*	
		For Class 56 Rating, Add	*9,605.60*	
40 05 19 00-3509	EA	30" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,051.23	1,217.96
		For Class 52 Rating, Deduct	*-3,652.64*	
		For Class 54 Rating, Add	*5,003.02*	
		For Class 55 Rating, Add	*7,449.19*	
		For Class 56 Rating, Add	*9,862.15*	
40 05 19 00-3510	EA	30" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,924.57	1,220.72
		For Class 52 Rating, Deduct	*-3,748.25*	
		For Class 54 Rating, Add	*5,133.44*	
		For Class 55 Rating, Add	*7,643.11*	
		For Class 56 Rating, Add	*10,118.71*	
40 05 19 00-3511	EA	30" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,797.91	1,223.48
		For Class 52 Rating, Deduct	*-3,843.86*	
		For Class 54 Rating, Add	*5,263.87*	
		For Class 55 Rating, Add	*7,837.04*	
		For Class 56 Rating, Add	*10,375.26*	
40 05 19 00-3512	EA	30" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,671.28	1,226.23
		For Class 52 Rating, Deduct	*-3,939.47*	
		For Class 54 Rating, Add	*5,394.30*	
		For Class 55 Rating, Add	*8,030.97*	
		For Class 56 Rating, Add	*10,631.82*	
40 05 19 00-3513	EA	30" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	38,544.62	1,228.99
		For Class 52 Rating, Deduct	*-4,035.08*	
		For Class 54 Rating, Add	*5,524.72*	
		For Class 55 Rating, Add	*8,224.89*	
		For Class 56 Rating, Add	*10,888.38*	

40 05 19 00-3514 36" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

40 05 19 00-3515	EA	36" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,059.85	1,438.42
		For Class 52 Rating, Deduct	*-976.85*	
		For Class 54 Rating, Add	*1,358.22*	
		For Class 55 Rating, Add	*2,032.64*	
		For Class 56 Rating, Add	*2,698.19*	

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3516	EA	36" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,230.54	1,441.18
		For Class 52 Rating, Deduct	*-1,105.16*	
		For Class 54 Rating, Add	*1,533.25*	
		For Class 55 Rating, Add	*2,292.88*	
		For Class 56 Rating, Add	*3,042.46*	
40 05 19 00-3517	EA	36" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,401.23	1,443.92
		For Class 52 Rating, Deduct	*-1,233.48*	
		For Class 54 Rating, Add	*1,708.27*	
		For Class 55 Rating, Add	*2,553.11*	
		For Class 56 Rating, Add	*3,386.73*	
40 05 19 00-3518	EA	36" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,571.94	1,446.68
		For Class 52 Rating, Deduct	*-1,361.80*	
		For Class 54 Rating, Add	*1,883.30*	
		For Class 55 Rating, Add	*2,813.34*	
		For Class 56 Rating, Add	*3,731.01*	
40 05 19 00-3519	EA	36" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,742.63	1,449.44
		For Class 52 Rating, Deduct	*-1,490.12*	
		For Class 54 Rating, Add	*2,058.33*	
		For Class 55 Rating, Add	*3,073.58*	
		For Class 56 Rating, Add	*4,075.28*	
40 05 19 00-3520	EA	36" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,913.32	1,452.19
		For Class 52 Rating, Deduct	*-1,618.43*	
		For Class 54 Rating, Add	*2,233.36*	
		For Class 55 Rating, Add	*3,333.81*	
		For Class 56 Rating, Add	*4,419.55*	
40 05 19 00-3521	EA	36" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,084.01	1,454.95
		For Class 52 Rating, Deduct	*-1,746.75*	
		For Class 54 Rating, Add	*2,408.39*	
		For Class 55 Rating, Add	*3,594.05*	
		For Class 56 Rating, Add	*4,763.83*	
40 05 19 00-3522	EA	36" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,254.72	1,457.71
		For Class 52 Rating, Deduct	*-1,875.07*	
		For Class 54 Rating, Add	*2,583.41*	
		For Class 55 Rating, Add	*3,854.28*	
		For Class 56 Rating, Add	*5,108.10*	
40 05 19 00-3523	EA	36" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,425.41	1,460.47
		For Class 52 Rating, Deduct	*-2,003.38*	
		For Class 54 Rating, Add	*2,758.44*	
		For Class 55 Rating, Add	*4,114.52*	
		For Class 56 Rating, Add	*5,452.38*	
40 05 19 00-3524	EA	36" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,596.11	1,463.21
		For Class 52 Rating, Deduct	*-2,131.70*	
		For Class 54 Rating, Add	*2,933.47*	
		For Class 55 Rating, Add	*4,374.75*	
		For Class 56 Rating, Add	*5,796.65*	
40 05 19 00-3525	EA	36" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,766.80	1,465.97
		For Class 52 Rating, Deduct	*-2,260.02*	
		For Class 54 Rating, Add	*3,108.50*	
		For Class 55 Rating, Add	*4,634.99*	
		For Class 56 Rating, Add	*6,140.93*	
40 05 19 00-3526	EA	36" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,937.50	1,468.73
		For Class 52 Rating, Deduct	*-2,388.34*	
		For Class 54 Rating, Add	*3,283.53*	
		For Class 55 Rating, Add	*4,895.22*	
		For Class 56 Rating, Add	*6,485.20*	
40 05 19 00-3527	EA	36" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,108.20	1,471.48
		For Class 52 Rating, Deduct	*-2,516.65*	
		For Class 54 Rating, Add	*3,458.56*	
		For Class 55 Rating, Add	*5,155.45*	
		For Class 56 Rating, Add	*6,829.47*	
40 05 19 00-3528	EA	36" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,278.89	1,474.24
		For Class 52 Rating, Deduct	*-2,644.97*	
		For Class 54 Rating, Add	*3,633.58*	
		For Class 55 Rating, Add	*5,415.69*	
		For Class 56 Rating, Add	*7,173.75*	
40 05 19 00-3529	EA	36" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,449.59	1,476.99
		For Class 52 Rating, Deduct	*-2,773.29*	
		For Class 54 Rating, Add	*3,808.61*	
		For Class 55 Rating, Add	*5,675.92*	
		For Class 56 Rating, Add	*7,518.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3530	EA	36" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,620.28	1,479.75
		For Class 52 Rating, Deduct	*-2,901.61*	
		For Class 54 Rating, Add	*3,983.64*	
		For Class 55 Rating, Add	*5,936.16*	
		For Class 56 Rating, Add	*7,862.29*	
40 05 19 00-3531	EA	36" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,790.98	1,482.50
		For Class 52 Rating, Deduct	*-3,029.92*	
		For Class 54 Rating, Add	*4,158.67*	
		For Class 55 Rating, Add	*6,196.39*	
		For Class 56 Rating, Add	*8,206.57*	
40 05 19 00-3532	EA	36" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,961.67	1,485.25
		For Class 52 Rating, Deduct	*-3,158.24*	
		For Class 54 Rating, Add	*4,333.70*	
		For Class 55 Rating, Add	*6,456.62*	
		For Class 56 Rating, Add	*8,550.84*	
40 05 19 00-3533	EA	36" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,132.37	1,488.01
		For Class 52 Rating, Deduct	*-3,286.56*	
		For Class 54 Rating, Add	*4,508.72*	
		For Class 55 Rating, Add	*6,716.86*	
		For Class 56 Rating, Add	*8,895.12*	
40 05 19 00-3534	EA	36" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,303.06	1,490.77
		For Class 52 Rating, Deduct	*-3,414.88*	
		For Class 54 Rating, Add	*4,683.75*	
		For Class 55 Rating, Add	*6,977.09*	
		For Class 56 Rating, Add	*9,239.39*	
40 05 19 00-3535	EA	36" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,473.77	1,493.52
		For Class 52 Rating, Deduct	*-3,543.19*	
		For Class 54 Rating, Add	*4,858.78*	
		For Class 55 Rating, Add	*7,237.33*	
		For Class 56 Rating, Add	*9,583.67*	
40 05 19 00-3536	EA	36" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,644.47	1,496.28
		For Class 52 Rating, Deduct	*-3,671.51*	
		For Class 54 Rating, Add	*5,033.81*	
		For Class 55 Rating, Add	*7,497.56*	
		For Class 56 Rating, Add	*9,927.94*	
40 05 19 00-3537	EA	36" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,815.16	1,499.04
		For Class 52 Rating, Deduct	*-3,799.83*	
		For Class 54 Rating, Add	*5,208.84*	
		For Class 55 Rating, Add	*7,757.80*	
		For Class 56 Rating, Add	*10,272.21*	
40 05 19 00-3538	EA	36" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,985.85	1,501.79
		For Class 52 Rating, Deduct	*-3,928.15*	
		For Class 54 Rating, Add	*5,383.87*	
		For Class 55 Rating, Add	*8,018.03*	
		For Class 56 Rating, Add	*10,616.49*	
40 05 19 00-3539	EA	36" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,156.55	1,504.55
		For Class 52 Rating, Deduct	*-4,056.46*	
		For Class 54 Rating, Add	*5,558.89*	
		For Class 55 Rating, Add	*8,278.27*	
		For Class 56 Rating, Add	*10,960.76*	
40 05 19 00-3540	EA	36" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,327.25	1,507.31
		For Class 52 Rating, Deduct	*-4,184.78*	
		For Class 54 Rating, Add	*5,733.92*	
		For Class 55 Rating, Add	*8,538.50*	
		For Class 56 Rating, Add	*11,305.03*	
40 05 19 00-3541	EA	36" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,497.94	1,510.06
		For Class 52 Rating, Deduct	*-4,313.10*	
		For Class 54 Rating, Add	*5,908.95*	
		For Class 55 Rating, Add	*8,798.73*	
		For Class 56 Rating, Add	*11,649.31*	
40 05 19 00-3542	EA	36" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	42,668.63	1,512.81
		For Class 52 Rating, Deduct	*-4,441.41*	
		For Class 54 Rating, Add	*6,083.98*	
		For Class 55 Rating, Add	*9,058.97*	
		For Class 56 Rating, Add	*11,993.58*	
40 05 19 00-3543	EA	36" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	43,839.32	1,515.57
		For Class 52 Rating, Deduct	*-4,569.73*	
		For Class 54 Rating, Add	*6,259.01*	
		For Class 55 Rating, Add	*9,319.20*	
		For Class 56 Rating, Add	*12,337.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3544	EA	36" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	45,010.03	1,518.33
		For Class 52 Rating, Deduct	*-4,698.05*	
		For Class 54 Rating, Add	*6,434.04*	
		For Class 55 Rating, Add	*9,579.44*	
		For Class 56 Rating, Add	*12,682.13*	
40 05 19 00-3545	EA	36" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	46,180.73	1,521.08
		For Class 52 Rating, Deduct	*-4,826.37*	
		For Class 54 Rating, Add	*6,609.07*	
		For Class 55 Rating, Add	*9,839.67*	
		For Class 56 Rating, Add	*13,026.41*	
40 05 19 00-3546	EA	36" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	47,351.42	1,523.84
		For Class 52 Rating, Deduct	*-4,954.68*	
		For Class 54 Rating, Add	*6,784.09*	
		For Class 55 Rating, Add	*10,099.91*	
		For Class 56 Rating, Add	*13,370.68*	
40 05 19 00-3547	EA	36" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	48,522.12	1,526.60
		For Class 52 Rating, Deduct	*-5,083.00*	
		For Class 54 Rating, Add	*6,959.12*	
		For Class 55 Rating, Add	*10,360.14*	
		For Class 56 Rating, Add	*13,714.95*	
40 05 19 00-3548	EA	36" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	49,692.82	1,529.36
		For Class 52 Rating, Deduct	*-5,211.32*	
		For Class 54 Rating, Add	*7,134.15*	
		For Class 55 Rating, Add	*10,620.38*	
		For Class 56 Rating, Add	*14,059.23*	
40 05 19 00-3549	EA	36" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	50,863.51	1,532.10
		For Class 52 Rating, Deduct	*-5,339.64*	
		For Class 54 Rating, Add	*7,309.18*	
		For Class 55 Rating, Add	*10,880.61*	
		For Class 56 Rating, Add	*14,403.50*	

40 05 19 00-3550 42" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

40 05 19 00-3551	EA	42" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,652.61	1,813.18
		For Class 52 Rating, Deduct	*-1,309.59*	
		For Class 54 Rating, Add	*1,818.77*	
		For Class 55 Rating, Add	*2,720.83*	
		For Class 56 Rating, Add	*3,610.99*	
40 05 19 00-3552	EA	42" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,377.97	1,815.93
		For Class 52 Rating, Deduct	*-1,498.92*	
		For Class 54 Rating, Add	*2,077.00*	
		For Class 55 Rating, Add	*3,104.76*	
		For Class 56 Rating, Add	*4,118.89*	
40 05 19 00-3553	EA	42" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,089.05	1,818.69
		For Class 52 Rating, Deduct	*-1,686.68*	
		For Class 54 Rating, Add	*2,333.09*	
		For Class 55 Rating, Add	*3,485.50*	
		For Class 56 Rating, Add	*4,622.57*	
40 05 19 00-3554	EA	42" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,817.27	1,821.44
		For Class 52 Rating, Deduct	*-1,876.33*	
		For Class 54 Rating, Add	*2,591.74*	
		For Class 55 Rating, Add	*3,870.06*	
		For Class 56 Rating, Add	*5,131.32*	
40 05 19 00-3555	EA	42" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,534.05	1,824.20
		For Class 52 Rating, Deduct	*-2,064.71*	
		For Class 54 Rating, Add	*2,848.69*	
		For Class 55 Rating, Add	*4,252.07*	
		For Class 56 Rating, Add	*5,636.69*	
40 05 19 00-3556	EA	42" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,268.00	1,826.95
		For Class 52 Rating, Deduct	*-2,254.99*	
		For Class 54 Rating, Add	*3,108.20*	
		For Class 55 Rating, Add	*4,637.91*	
		For Class 56 Rating, Add	*6,147.12*	
40 05 19 00-3557	EA	42" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,984.79	1,829.71
		For Class 52 Rating, Deduct	*-2,443.38*	
		For Class 54 Rating, Add	*3,365.14*	
		For Class 55 Rating, Add	*5,019.92*	
		For Class 56 Rating, Add	*6,652.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3558	EA	42" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,721.59	1,832.47
		For Class 52 Rating, Deduct	*-2,633.96*	
		For Class 54 Rating, Add	*3,625.09*	
		For Class 55 Rating, Add	*5,406.40*	
		For Class 56 Rating, Add	*7,163.77*	
40 05 19 00-3559	EA	42" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,441.23	1,835.23
		For Class 52 Rating, Deduct	*-2,822.67*	
		For Class 54 Rating, Add	*3,882.46*	
		For Class 55 Rating, Add	*5,789.05*	
		For Class 56 Rating, Add	*7,669.98*	
40 05 19 00-3560	EA	42" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,180.90	1,837.97
		For Class 52 Rating, Deduct	*-3,013.57*	
		For Class 54 Rating, Add	*4,142.83*	
		For Class 55 Rating, Add	*6,176.16*	
		For Class 56 Rating, Add	*8,182.10*	
40 05 19 00-3561	EA	42" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,900.54	1,840.73
		For Class 52 Rating, Deduct	*-3,202.27*	
		For Class 54 Rating, Add	*4,400.20*	
		For Class 55 Rating, Add	*6,558.81*	
		For Class 56 Rating, Add	*8,688.31*	
40 05 19 00-3562	EA	42" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,640.21	1,843.48
		For Class 52 Rating, Deduct	*-3,393.18*	
		For Class 54 Rating, Add	*4,660.58*	
		For Class 55 Rating, Add	*6,945.93*	
		For Class 56 Rating, Add	*9,200.43*	
40 05 19 00-3563	EA	42" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,362.71	1,846.23
		For Class 52 Rating, Deduct	*-3,582.19*	
		For Class 54 Rating, Add	*4,918.37*	
		For Class 55 Rating, Add	*7,329.22*	
		For Class 56 Rating, Add	*9,707.49*	
40 05 19 00-3564	EA	42" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,088.08	1,848.99
		For Class 52 Rating, Deduct	*-3,771.52*	
		For Class 54 Rating, Add	*5,176.60*	
		For Class 55 Rating, Add	*7,713.14*	
		For Class 56 Rating, Add	*10,215.39*	
40 05 19 00-3565	EA	42" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	38,824.87	1,851.75
		For Class 52 Rating, Deduct	*-3,962.11*	
		For Class 54 Rating, Add	*5,436.55*	
		For Class 55 Rating, Add	*8,099.62*	
		For Class 56 Rating, Add	*10,726.67*	
40 05 19 00-3566	EA	42" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,547.38	1,854.51
		For Class 52 Rating, Deduct	*-4,151.13*	
		For Class 54 Rating, Add	*5,694.35*	
		For Class 55 Rating, Add	*8,482.90*	
		For Class 56 Rating, Add	*11,233.72*	
40 05 19 00-3567	EA	42" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	42,289.91	1,857.26
		For Class 52 Rating, Deduct	*-4,342.35*	
		For Class 54 Rating, Add	*5,955.15*	
		For Class 55 Rating, Add	*8,870.66*	
		For Class 56 Rating, Add	*11,746.69*	
40 05 19 00-3568	EA	42" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	44,015.27	1,860.02
		For Class 52 Rating, Deduct	*-4,531.68*	
		For Class 54 Rating, Add	*6,213.38*	
		For Class 55 Rating, Add	*9,254.58*	
		For Class 56 Rating, Add	*12,254.59*	
40 05 19 00-3569	EA	42" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	45,754.93	1,862.78
		For Class 52 Rating, Deduct	*-4,722.58*	
		For Class 54 Rating, Add	*6,473.75*	
		For Class 55 Rating, Add	*9,641.70*	
		For Class 56 Rating, Add	*12,766.71*	
40 05 19 00-3570	EA	42" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	47,480.30	1,865.52
		For Class 52 Rating, Deduct	*-4,911.91*	
		For Class 54 Rating, Add	*6,731.98*	
		For Class 55 Rating, Add	*10,025.62*	
		For Class 56 Rating, Add	*13,274.61*	
40 05 19 00-3571	EA	42" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	49,222.82	1,868.28
		For Class 52 Rating, Deduct	*-5,103.13*	
		For Class 54 Rating, Add	*6,992.78*	
		For Class 55 Rating, Add	*10,413.37*	
		For Class 56 Rating, Add	*13,787.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3572	EA	42" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	50,948.18	1,871.04
		For Class 52 Rating, Deduct	*-5,292.46*	
		For Class 54 Rating, Add	*7,251.01*	
		For Class 55 Rating, Add	*10,797.30*	
		For Class 56 Rating, Add	*14,295.47*	
40 05 19 00-3573	EA	42" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	52,690.70	1,873.80
		For Class 52 Rating, Deduct	*-5,483.68*	
		For Class 54 Rating, Add	*7,511.81*	
		For Class 55 Rating, Add	*11,185.05*	
		For Class 56 Rating, Add	*14,808.43*	
40 05 19 00-3574	EA	42" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	54,413.22	1,876.55
		For Class 52 Rating, Deduct	*-5,672.69*	
		For Class 54 Rating, Add	*7,769.61*	
		For Class 55 Rating, Add	*11,568.34*	
		For Class 56 Rating, Add	*15,315.49*	
40 05 19 00-3575	EA	42" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	56,158.59	1,879.31
		For Class 52 Rating, Deduct	*-5,864.23*	
		For Class 54 Rating, Add	*8,030.84*	
		For Class 55 Rating, Add	*11,956.73*	
		For Class 56 Rating, Add	*15,829.30*	
40 05 19 00-3576	EA	42" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	57,883.95	1,882.07
		For Class 52 Rating, Deduct	*-6,053.56*	
		For Class 54 Rating, Add	*8,289.07*	
		For Class 55 Rating, Add	*12,340.65*	
		For Class 56 Rating, Add	*16,337.20*	
40 05 19 00-3577	EA	42" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	59,623.61	1,884.82
		For Class 52 Rating, Deduct	*-6,244.46*	
		For Class 54 Rating, Add	*8,549.44*	
		For Class 55 Rating, Add	*12,727.76*	
		For Class 56 Rating, Add	*16,849.32*	
40 05 19 00-3578	EA	42" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	61,351.85	1,887.57
		For Class 52 Rating, Deduct	*-6,434.11*	
		For Class 54 Rating, Add	*8,808.10*	
		For Class 55 Rating, Add	*13,112.33*	
		For Class 56 Rating, Add	*17,358.06*	
40 05 19 00-3579	EA	42" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	62,739.83	1,890.33
		For Class 52 Rating, Deduct	*-6,586.33*	
		For Class 54 Rating, Add	*9,015.72*	
		For Class 55 Rating, Add	*13,421.02*	
		For Class 56 Rating, Add	*17,766.44*	
40 05 19 00-3580	EA	42" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	64,819.72	1,893.09
		For Class 52 Rating, Deduct	*-6,814.66*	
		For Class 54 Rating, Add	*9,327.13*	
		For Class 55 Rating, Add	*13,884.00*	
		For Class 56 Rating, Add	*18,378.93*	
40 05 19 00-3581	EA	42" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	66,542.22	1,895.84
		For Class 52 Rating, Deduct	*-7,003.67*	
		For Class 54 Rating, Add	*9,584.93*	
		For Class 55 Rating, Add	*14,267.29*	
		For Class 56 Rating, Add	*18,885.98*	
40 05 19 00-3582	EA	42" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	68,284.75	1,898.60
		For Class 52 Rating, Deduct	*-7,194.89*	
		For Class 54 Rating, Add	*9,845.73*	
		For Class 55 Rating, Add	*14,655.04*	
		For Class 56 Rating, Add	*19,398.95*	
40 05 19 00-3583	EA	42" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	70,010.12	1,901.36
		For Class 52 Rating, Deduct	*-7,384.22*	
		For Class 54 Rating, Add	*10,103.96*	
		For Class 55 Rating, Add	*15,038.97*	
		For Class 56 Rating, Add	*19,906.85*	
40 05 19 00-3584	EA	42" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	71,755.49	1,904.12
		For Class 52 Rating, Deduct	*-7,575.75*	
		For Class 54 Rating, Add	*10,365.19*	
		For Class 55 Rating, Add	*15,427.36*	
		For Class 56 Rating, Add	*20,420.65*	
40 05 19 00-3585	EA	42" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	73,478.00	1,906.86
		For Class 52 Rating, Deduct	*-7,764.77*	
		For Class 54 Rating, Add	*10,622.99*	
		For Class 55 Rating, Add	*15,810.65*	
		For Class 56 Rating, Add	*20,927.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3586		48" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*		
40 05 19 00-3587	EA	48" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,934.96	2,278.86
		For Class 52 Rating, Deduct	*-1,703.03*	
		For Class 54 Rating, Add	*2,363.75*	
		For Class 55 Rating, Add	*3,535.38*	
		For Class 56 Rating, Add	*4,691.53*	
40 05 19 00-3588	EA	48" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,415.13	2,281.62
		For Class 52 Rating, Deduct	*-1,975.39*	
		For Class 54 Rating, Add	*2,735.20*	
		For Class 55 Rating, Add	*4,087.63*	
		For Class 56 Rating, Add	*5,422.10*	
40 05 19 00-3589	EA	48" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,903.89	2,284.38
		For Class 52 Rating, Deduct	*-2,248.70*	
		For Class 54 Rating, Add	*3,107.94*	
		For Class 55 Rating, Add	*4,641.79*	
		For Class 56 Rating, Add	*6,155.20*	
40 05 19 00-3590	EA	48" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,418.38	2,287.14
		For Class 52 Rating, Deduct	*-2,524.83*	
		For Class 54 Rating, Add	*3,484.54*	
		For Class 55 Rating, Add	*5,201.69*	
		For Class 56 Rating, Add	*6,895.89*	
40 05 19 00-3591	EA	48" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,927.13	2,289.88
		For Class 52 Rating, Deduct	*-2,800.34*	
		For Class 54 Rating, Add	*3,860.27*	
		For Class 55 Rating, Add	*5,760.31*	
		For Class 56 Rating, Add	*7,634.90*	
40 05 19 00-3592	EA	48" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,438.75	2,292.64
		For Class 52 Rating, Deduct	*-3,076.16*	
		For Class 54 Rating, Add	*4,236.44*	
		For Class 55 Rating, Add	*6,319.57*	
		For Class 56 Rating, Add	*8,374.74*	
40 05 19 00-3593	EA	48" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,967.54	2,295.40
		For Class 52 Rating, Deduct	*-3,353.86*	
		For Class 54 Rating, Add	*4,615.18*	
		For Class 55 Rating, Add	*6,882.66*	
		For Class 56 Rating, Add	*9,119.65*	
40 05 19 00-3594	EA	48" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,490.60	2,298.15
		For Class 52 Rating, Deduct	*-3,630.94*	
		For Class 54 Rating, Add	*4,993.07*	
		For Class 55 Rating, Add	*7,444.47*	
		For Class 56 Rating, Add	*9,862.87*	
40 05 19 00-3595	EA	48" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,007.94	2,300.91
		For Class 52 Rating, Deduct	*-3,907.39*	
		For Class 54 Rating, Add	*5,370.09*	
		For Class 55 Rating, Add	*8,005.01*	
		For Class 56 Rating, Add	*10,604.41*	
40 05 19 00-3596	EA	48" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,548.15	2,303.67
		For Class 52 Rating, Deduct	*-4,186.35*	
		For Class 54 Rating, Add	*5,750.55*	
		For Class 55 Rating, Add	*8,570.65*	
		For Class 56 Rating, Add	*11,352.69*	
40 05 19 00-3597	EA	48" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	44,076.93	2,306.43
		For Class 52 Rating, Deduct	*-4,464.06*	
		For Class 54 Rating, Add	*6,129.29*	
		For Class 55 Rating, Add	*9,133.73*	
		For Class 56 Rating, Add	*12,097.60*	
40 05 19 00-3598	EA	48" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	46,620.01	2,309.18
		For Class 52 Rating, Deduct	*-4,743.34*	
		For Class 54 Rating, Add	*6,510.17*	
		For Class 55 Rating, Add	*9,700.01*	
		For Class 56 Rating, Add	*12,846.72*	
40 05 19 00-3599	EA	48" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	49,145.92	2,311.93
		For Class 52 Rating, Deduct	*-5,020.73*	
		For Class 54 Rating, Add	*6,888.48*	
		For Class 55 Rating, Add	*10,262.46*	
		For Class 56 Rating, Add	*13,590.79*	
40 05 19 00-3600	EA	48" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	51,677.55	2,314.69
		For Class 52 Rating, Deduct	*-5,298.75*	
		For Class 54 Rating, Add	*7,267.65*	
		For Class 55 Rating, Add	*10,826.18*	
		For Class 56 Rating, Add	*14,336.54*	

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LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3601	EA	48" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	54,223.50	2,317.45
		For Class 52 Rating, Deduct	*-5,578.34*	
		For Class 54 Rating, Add	*7,648.97*	
		For Class 55 Rating, Add	*11,393.09*	
		For Class 56 Rating, Add	*15,086.51*	
40 05 19 00-3602	EA	48" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	56,755.13	2,320.20
		For Class 52 Rating, Deduct	*-5,856.36*	
		For Class 54 Rating, Add	*8,028.14*	
		For Class 55 Rating, Add	*11,956.82*	
		For Class 56 Rating, Add	*15,832.26*	
40 05 19 00-3603	EA	48" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	59,286.77	2,322.96
		For Class 52 Rating, Deduct	*-6,134.39*	
		For Class 54 Rating, Add	*8,407.31*	
		For Class 55 Rating, Add	*12,520.54*	
		For Class 56 Rating, Add	*16,578.01*	
40 05 19 00-3604	EA	48" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	61,835.55	2,325.72
		For Class 52 Rating, Deduct	*-6,414.29*	
		For Class 54 Rating, Add	*8,789.05*	
		For Class 55 Rating, Add	*13,088.09*	
		For Class 56 Rating, Add	*17,328.82*	
40 05 19 00-3605	EA	48" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	64,370.05	2,328.47
		For Class 52 Rating, Deduct	*-6,692.63*	
		For Class 54 Rating, Add	*9,168.65*	
		For Class 55 Rating, Add	*13,652.45*	
		For Class 56 Rating, Add	*18,075.42*	
40 05 19 00-3606	EA	48" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	66,901.70	2,331.23
		For Class 52 Rating, Deduct	*-6,970.65*	
		For Class 54 Rating, Add	*9,547.82*	
		For Class 55 Rating, Add	*14,216.18*	
		For Class 56 Rating, Add	*18,821.17*	
40 05 19 00-3607	EA	48" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	69,456.20	2,333.99
		For Class 52 Rating, Deduct	*-7,251.19*	
		For Class 54 Rating, Add	*9,930.42*	
		For Class 55 Rating, Add	*14,785.00*	
		For Class 56 Rating, Add	*19,573.67*	
40 05 19 00-3608	EA	48" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	71,993.55	2,336.74
		For Class 52 Rating, Deduct	*-7,529.84*	
		For Class 54 Rating, Add	*10,310.44*	
		For Class 55 Rating, Add	*15,350.00*	
		For Class 56 Rating, Add	*20,321.11*	
40 05 19 00-3609	EA	48" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	74,528.05	2,339.48
		For Class 52 Rating, Deduct	*-7,808.17*	
		For Class 54 Rating, Add	*10,690.04*	
		For Class 55 Rating, Add	*15,914.36*	
		For Class 56 Rating, Add	*21,067.70*	
40 05 19 00-3610	EA	48" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	77,079.71	2,342.24
		For Class 52 Rating, Deduct	*-8,088.39*	
		For Class 54 Rating, Add	*11,072.21*	
		For Class 55 Rating, Add	*16,482.55*	
		For Class 56 Rating, Add	*21,819.36*	
40 05 19 00-3611	EA	48" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	79,617.06	2,345.00
		For Class 52 Rating, Deduct	*-8,367.04*	
		For Class 54 Rating, Add	*11,452.24*	
		For Class 55 Rating, Add	*17,047.55*	
		For Class 56 Rating, Add	*22,566.80*	
40 05 19 00-3612	EA	48" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	82,151.56	2,347.75
		For Class 52 Rating, Deduct	*-8,645.38*	
		For Class 54 Rating, Add	*11,831.84*	
		For Class 55 Rating, Add	*17,611.91*	
		For Class 56 Rating, Add	*23,313.39*	
40 05 19 00-3613	EA	48" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	84,706.06	2,350.51
		For Class 52 Rating, Deduct	*-8,925.91*	
		For Class 54 Rating, Add	*12,214.44*	
		For Class 55 Rating, Add	*18,180.74*	
		For Class 56 Rating, Add	*24,065.89*	
40 05 19 00-3614	EA	48" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	87,243.42	2,353.27
		For Class 52 Rating, Deduct	*-9,204.56*	
		For Class 54 Rating, Add	*12,594.47*	
		For Class 55 Rating, Add	*18,745.74*	
		For Class 56 Rating, Add	*24,813.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3615	EA	48" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	89,480.57	2,356.03
		For Class 52 Rating, Deduct	*-9,450.19*	
		For Class 54 Rating, Add	*12,929.46*	
		For Class 55 Rating, Add	*19,243.79*	
		For Class 56 Rating, Add	*25,472.21*	
40 05 19 00-3616	EA	48" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	92,338.15	2,358.77
		For Class 52 Rating, Deduct	*-9,764.07*	
		For Class 54 Rating, Add	*13,357.52*	
		For Class 55 Rating, Add	*19,880.20*	
		For Class 56 Rating, Add	*26,314.11*	
40 05 19 00-3617	EA	48" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	94,872.64	2,361.53
		For Class 52 Rating, Deduct	*-10,042.40*	
		For Class 54 Rating, Add	*13,737.12*	
		For Class 55 Rating, Add	*20,444.56*	
		For Class 56 Rating, Add	*27,060.71*	
40 05 19 00-3618	EA	48" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	97,432.87	2,364.29
		For Class 52 Rating, Deduct	*-10,323.57*	
		For Class 54 Rating, Add	*14,120.58*	
		For Class 55 Rating, Add	*21,014.66*	
		For Class 56 Rating, Add	*27,814.89*	
40 05 19 00-3619	EA	48" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	99,967.38	2,367.04
		For Class 52 Rating, Deduct	*-10,601.90*	
		For Class 54 Rating, Add	*14,500.18*	
		For Class 55 Rating, Add	*21,579.02*	
		For Class 56 Rating, Add	*28,561.49*	
40 05 19 00-3620	EA	48" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	102,501.87	2,369.80
		For Class 52 Rating, Deduct	*-10,880.24*	
		For Class 54 Rating, Add	*14,879.78*	
		For Class 55 Rating, Add	*22,143.39*	
		For Class 56 Rating, Add	*29,308.08*	
40 05 19 00-3621	EA	48" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	105,062.09	2,372.56
		For Class 52 Rating, Deduct	*-11,161.40*	
		For Class 54 Rating, Add	*15,263.23*	
		For Class 55 Rating, Add	*22,713.48*	
		For Class 56 Rating, Add	*30,062.27*	

40 05 19 00-3622 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbows *(40 05 19 00-2073)*

40 05 19 00-3623	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	767.75	132.95
40 05 19 00-3624	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,125.31	170.01
40 05 19 00-3625	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,608.42	192.57
40 05 19 00-3626	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	2,298.87	244.14
40 05 19 00-3627	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	2,865.81	270.73
40 05 19 00-3628	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	3,516.71	294.09
40 05 19 00-3629	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	4,318.46	362.58
40 05 19 00-3630	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	5,418.19	435.10
40 05 19 00-3631	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	6,621.79	547.90
40 05 19 00-3632	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	9,861.48	620.41
40 05 19 00-3633	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	15,311.11	821.84
40 05 19 00-3634	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	22,719.06	930.61
40 05 19 00-3635	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	38,799.55	1,063.55
40 05 19 00-3636	EA	48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	51,332.86	1,305.28

40 05 19 00-3637 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbows *(40 05 19 00-2073)*

40 05 19 00-3638	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	731.26	132.95
40 05 19 00-3639	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,065.03	170.01
40 05 19 00-3640	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,459.30	192.57
40 05 19 00-3641	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	2,086.30	244.14
40 05 19 00-3642	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	2,591.38	270.73
40 05 19 00-3643	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	3,020.19	294.09
40 05 19 00-3644	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	3,712.48	362.58
40 05 19 00-3645	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	4,726.55	435.10
40 05 19 00-3646	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	5,944.44	547.90
40 05 19 00-3647	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	7,810.37	620.41
40 05 19 00-3648	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	14,947.84	821.84
40 05 19 00-3649	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	22,233.64	930.61
40 05 19 00-3650	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	33,631.32	1,063.55
40 05 19 00-3651	EA	48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	45,484.10	1,305.28

40 05 19 00-3652 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbows *(40 05 19 00-2073)*

40 05 19 00-3653	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	729.67	132.95

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3654	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,044.40	170.01
40 05 19 00-3655	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,446.61	192.57
40 05 19 00-3656	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	2,037.12	244.14
40 05 19 00-3657	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	2,700.84	270.73
40 05 19 00-3658	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	3,354.90	294.09
40 05 19 00-3659	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	3,788.63	362.58
40 05 19 00-3660	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	4,818.56	435.10
40 05 19 00-3661	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	6,339.43	547.90
40 05 19 00-3662	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	8,722.51	620.41
40 05 19 00-3663	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	15,109.65	821.84
40 05 19 00-3664	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	22,603.26	930.61
40 05 19 00-3665	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	34,368.96	1,063.55
40 05 19 00-3666	EA	48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	46,448.58	1,305.28
40 05 19 00-3667		**Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbows** *(40 05 19 00-2073)*		
40 05 19 00-3668	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	791.54	132.95
40 05 19 00-3669	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,160.21	170.01
40 05 19 00-3670	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,494.20	192.57
40 05 19 00-3671	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	2,206.86	244.14
40 05 19 00-3672	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	3,016.51	270.73
40 05 19 00-3673	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	3,435.80	294.09
40 05 19 00-3674	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	4,129.68	362.58
40 05 19 00-3675	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	4,818.56	435.10
40 05 19 00-3676	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	6,339.43	547.90
40 05 19 00-3677	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	9,046.12	620.41
40 05 19 00-3678	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	15,268.28	821.84
40 05 19 00-3679	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	22,765.06	930.61
40 05 19 00-3680	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	34,538.69	1,063.55
40 05 19 00-3681	EA	48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	46,791.23	1,305.28
40 05 19 00-3682		**Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbows** *(40 05 19 00-2073)*		
40 05 19 00-3683	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,095.64	151.47
40 05 19 00-3684	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,414.13	162.76
40 05 19 00-3685	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,535.80	181.29
40 05 19 00-3686	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,111.52	188.54
40 05 19 00-3687	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,150.71	207.07
40 05 19 00-3688	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,308.98	218.35
40 05 19 00-3689	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,522.04	220.77
40 05 19 00-3690	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,816.73	232.05
40 05 19 00-3691	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,949.38	257.83
40 05 19 00-3692	EA	14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,937.29	232.05
40 05 19 00-3693	EA	14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,185.98	243.33
40 05 19 00-3694	EA	14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,453.48	269.11
40 05 19 00-3695	EA	14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,753.43	282.81
40 05 19 00-3696	EA	16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,381.00	266.29
40 05 19 00-3697	EA	16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,583.69	277.57
40 05 19 00-3698	EA	16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,990.78	303.36
40 05 19 00-3699	EA	16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,291.71	316.65
40 05 19 00-3700	EA	16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,537.84	328.34
40 05 19 00-3701	EA	18" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,926.10	302.55
40 05 19 00-3702	EA	18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,546.00	313.83
40 05 19 00-3703	EA	18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,627.90	339.62
40 05 19 00-3704	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,833.64	352.91
40 05 19 00-3705	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,174.95	364.59
40 05 19 00-3706	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,547.26	398.84
40 05 19 00-3707	EA	20" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,909.42	358.95
40 05 19 00-3708	EA	20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,177.15	370.23
40 05 19 00-3709	EA	20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,210.83	396.01
40 05 19 00-3710	EA	20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,399.13	409.31
40 05 19 00-3711	EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,973.63	420.99
40 05 19 00-3712	EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,797.08	455.23
40 05 19 00-3713	EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,148.66	491.49
40 05 19 00-3714	EA	24" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,793.38	395.21
40 05 19 00-3715	EA	24" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,056.36	406.49
40 05 19 00-3716	EA	24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,495.17	432.27
40 05 19 00-3717	EA	24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,813.54	445.57
40 05 19 00-3718	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	8,427.71	457.25
40 05 19 00-3719	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	8,977.69	491.49
40 05 19 00-3720	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,130.97	527.75
40 05 19 00-3721	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,567.88	521.92
40 05 19 00-3722	EA	30" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	11,548.05	546.28
40 05 19 00-3723	EA	30" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	12,206.62	557.97
40 05 19 00-3724	EA	30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	13,821.03	592.21
40 05 19 00-3725	EA	30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	15,562.23	628.47
40 05 19 00-3726	EA	30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	20,834.95	684.86
40 05 19 00-3727	EA	30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	22,266.81	721.12

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3728	EA	36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	20,130.54	739.26
40 05 19 00-3729	EA	36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	21,993.88	775.51
40 05 19 00-3730	EA	36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	23,053.86	876.22
40 05 19 00-3731	EA	42" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	29,858.64	805.73
40 05 19 00-3732	EA	42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	30,581.41	841.99
40 05 19 00-3733	EA	42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	30,550.00	942.70
40 05 19 00-3734	EA	42" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	43,610.08	997.09
40 05 19 00-3735	EA	48" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	41,712.71	972.91
40 05 19 00-3736	EA	48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	45,342.52	1,073.63
40 05 19 00-3737	EA	48" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	46,638.45	1,128.01
40 05 19 00-3738	EA	48" x 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	57,865.62	1,194.49

40 05 19 00-3739 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbows *(40 05 19 00-2073)*

40 05 19 00-3740	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	902.58	132.95
40 05 19 00-3741	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	1,420.36	170.01
40 05 19 00-3742	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	2,109.69	192.57
40 05 19 00-3743	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	2,946.08	244.14
40 05 19 00-3744	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	4,122.18	270.73
40 05 19 00-3745	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	4,833.35	294.09
40 05 19 00-3746	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	6,160.17	362.58
40 05 19 00-3747	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	7,540.69	435.10
40 05 19 00-3748	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	10,068.87	547.90
40 05 19 00-3749	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	14,687.07	620.41
40 05 19 00-3750	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	25,439.76	821.84
40 05 19 00-3751	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	38,523.56	930.61
40 05 19 00-3752	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	59,358.26	1,063.55

40 05 19 00-3753 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbows *(40 05 19 00-2073)*

40 05 19 00-3754	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	1,894.02	151.47
40 05 19 00-3755	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	3,199.88	162.76
40 05 19 00-3756	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	3,018.21	181.29
40 05 19 00-3757	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	3,381.73	188.54
40 05 19 00-3758	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	3,737.36	207.07
40 05 19 00-3759	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	3,866.03	218.35
40 05 19 00-3760	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	7,827.93	220.77
40 05 19 00-3761	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	6,003.78	232.05
40 05 19 00-3762	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	6,042.84	257.83
40 05 19 00-3763	EA	14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	8,046.85	243.33
40 05 19 00-3764	EA	14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	11,453.31	269.11
40 05 19 00-3765	EA	14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	11,197.94	282.81
40 05 19 00-3766	EA	16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	14,770.17	277.57
40 05 19 00-3767	EA	16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	14,671.79	303.36
40 05 19 00-3768	EA	16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	13,687.88	316.65
40 05 19 00-3769	EA	16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	13,581.53	328.34
40 05 19 00-3770	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	20,122.40	352.91
40 05 19 00-3771	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	18,330.10	364.59
40 05 19 00-3772	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	16,571.99	398.84
40 05 19 00-3773	EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	27,054.96	420.99
40 05 19 00-3774	EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	22,767.96	455.23
40 05 19 00-3775	EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	18,484.00	491.49
40 05 19 00-3776	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	33,939.32	457.25
40 05 19 00-3777	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	27,123.41	491.49
40 05 19 00-3778	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	20,310.55	527.75

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3779	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	27,757.65	521.92
40 05 19 00-3780		**Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbows With Base** *(40 05 19 00-2073)*		
40 05 19 00-3781	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	947.00	132.95
40 05 19 00-3782	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,333.11	170.01
40 05 19 00-3783	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	2,168.39	192.57
40 05 19 00-3784	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	2,901.67	244.14
40 05 19 00-3785	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	3,879.47	270.73
40 05 19 00-3786	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	4,600.16	294.09
40 05 19 00-3787	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	5,606.55	362.58
40 05 19 00-3788	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	6,944.23	435.10
40 05 19 00-3789	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	8,972.72	547.90
40 05 19 00-3790	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	12,599.47	620.41
40 05 19 00-3791	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	20,327.05	821.84
40 05 19 00-3792	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	28,940.60	930.61
40 05 19 00-3793	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	50,961.87	1,063.55
40 05 19 00-3794	EA	48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	57,181.63	1,305.28
40 05 19 00-3795		**Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tees** *(40 05 19 00-2073)*		
40 05 19 00-3796	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	1,162.67	213.52
40 05 19 00-3797	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	1,505.23	262.66
40 05 19 00-3798	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	2,176.63	293.28
40 05 19 00-3799	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	3,079.07	381.10
40 05 19 00-3800	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	4,119.83	415.76
40 05 19 00-3801	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	5,523.75	447.18
40 05 19 00-3802	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	5,968.86	564.01
40 05 19 00-3803	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	7,413.93	644.58
40 05 19 00-3804	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	9,326.41	813.79
40 05 19 00-3805	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	13,748.76	898.38
40 05 19 00-3806	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	22,602.13	1,240.82
40 05 19 00-3807	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	31,961.66	1,422.11
40 05 19 00-3808	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	68,359.19	1,643.68
40 05 19 00-3809		**Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tees** *(40 05 19 00-2073)*		
40 05 19 00-3810	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	1,549.51	238.50
40 05 19 00-3811	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	2,010.52	243.33
40 05 19 00-3812	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	1,977.60	273.94
40 05 19 00-3813	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	2,679.36	269.11
40 05 19 00-3814	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	2,609.94	299.73
40 05 19 00-3815	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	2,720.15	319.07
40 05 19 00-3816	EA	12" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	3,421.89	282.81
40 05 19 00-3817	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	3,379.44	313.43
40 05 19 00-3818	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	3,526.13	332.76
40 05 19 00-3819	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	4,065.90	394.81
40 05 19 00-3820	EA	14" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	4,903.15	294.09
40 05 19 00-3821	EA	14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	4,784.56	324.71
40 05 19 00-3822	EA	14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	4,953.46	344.04
40 05 19 00-3823	EA	14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,139.46	406.08
40 05 19 00-3824	EA	14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,403.43	427.44
40 05 19 00-3825	EA	16" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,917.94	328.34
40 05 19 00-3826	EA	16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	4,976.05	358.95
40 05 19 00-3827	EA	16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,089.41	378.29
40 05 19 00-3828	EA	16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,144.72	440.33
40 05 19 00-3829	EA	16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,498.14	461.69
40 05 19 00-3830	EA	16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,570.25	481.42
40 05 19 00-3831	EA	18" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,557.64	395.21
40 05 19 00-3832	EA	18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,546.66	414.55
40 05 19 00-3833	EA	18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,499.48	476.58
40 05 19 00-3834	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,140.01	497.94
40 05 19 00-3835	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	7,573.81	517.68
40 05 19 00-3836	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	7,976.56	600.27
40 05 19 00-3837	EA	20" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	7,933.73	451.61
40 05 19 00-3838	EA	20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	8,061.39	470.94
40 05 19 00-3839	EA	20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	8,306.09	532.99
40 05 19 00-3840	EA	20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	8,587.50	554.34
40 05 19 00-3841	EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	8,666.57	574.08
40 05 19 00-3842	EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	10,233.68	656.67
40 05 19 00-3843	EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	10,399.18	700.98
40 05 19 00-3844	EA	24" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	9,168.89	487.86
40 05 19 00-3845	EA	24" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	9,524.98	507.20
40 05 19 00-3846	EA	24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	9,801.40	569.25
40 05 19 00-3847	EA	24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	10,864.87	590.60
40 05 19 00-3848	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	11,093.06	610.33

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3849	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	11,349.86	692.93
40 05 19 00-3850	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	14,664.20	737.24
40 05 19 00-3851	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	15,092.97	787.81
40 05 19 00-3852	EA	30" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	18,165.24	588.58
40 05 19 00-3853	EA	30" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	18,246.88	607.92
40 05 19 00-3854	EA	30" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	18,661.31	669.97
40 05 19 00-3855	EA	30" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	18,693.66	691.32
40 05 19 00-3856	EA	30" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	18,723.57	711.05
40 05 19 00-3857	EA	30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	18,848.71	793.64
40 05 19 00-3858	EA	30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	19,444.10	837.95
40 05 19 00-3859	EA	30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	20,387.55	950.75
40 05 19 00-3860	EA	30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	24,854.90	999.10
40 05 19 00-3861	EA	36" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	26,092.73	842.39
40 05 19 00-3862	EA	36" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	26,328.50	857.70
40 05 19 00-3863	EA	36" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	26,447.38	901.61
40 05 19 00-3864	EA	36" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	26,633.84	918.93
40 05 19 00-3865	EA	36" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	26,711.58	934.64
40 05 19 00-3866	EA	36" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	26,904.79	993.06
40 05 19 00-3867	EA	36" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	27,021.35	1,033.35
40 05 19 00-3868	EA	36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	27,360.52	1,117.95
40 05 19 00-3869	EA	36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	27,906.85	1,160.25
40 05 19 00-3870	EA	36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	36,094.70	1,331.47
40 05 19 00-3871	EA	42" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	39,667.09	812.17
40 05 19 00-3872	EA	42" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	39,755.70	831.91
40 05 19 00-3873	EA	42" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	39,991.87	914.49
40 05 19 00-3874	EA	42" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	40,116.13	958.82
40 05 19 00-3875	EA	42" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	40,513.88	1,071.62
40 05 19 00-3876	EA	42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	41,042.41	1,119.96
40 05 19 00-3877	EA	42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	51,404.05	1,361.67
40 05 19 00-3878	EA	42" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	65,624.15	1,488.58
40 05 19 00-3879	EA	48" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	53,284.16	943.10
40 05 19 00-3880	EA	48" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	53,314.06	962.85
40 05 19 00-3881	EA	48" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	53,607.34	1,045.43
40 05 19 00-3882	EA	48" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	53,674.48	1,089.74
40 05 19 00-3883	EA	48" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	54,072.24	1,202.54
40 05 19 00-3884	EA	48" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	54,545.25	1,250.89
40 05 19 00-3885	EA	48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	55,706.24	1,492.61

40 05 19 00-3886 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tees With Base *(40 05 19 00-2073)*

40 05 19 00-3887	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	1,254.68	213.52
40 05 19 00-3888	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	1,773.32	262.66
40 05 19 00-3889	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	2,630.32	293.28
40 05 19 00-3890	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	3,938.85	381.10
40 05 19 00-3891	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	5,312.75	415.76
40 05 19 00-3892	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	5,988.54	447.18
40 05 19 00-3893	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	7,339.44	564.01
40 05 19 00-3894	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	8,871.75	644.58
40 05 19 00-3895	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	11,663.06	813.79
40 05 19 00-3896	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	16,797.67	898.38
40 05 19 00-3897	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	27,830.64	1,240.82
40 05 19 00-3898	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	39,639.45	1,422.11

40 05 19 00-3899 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wyes *(40 05 19 00-2073)*

40 05 19 00-3900	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye	1,024.66	213.52
40 05 19 00-3901	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye	1,494.13	262.66
40 05 19 00-3902	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye	2,213.12	293.28
40 05 19 00-3903	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye	2,917.26	381.10
40 05 19 00-3904	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye	4,414.89	415.76
40 05 19 00-3905	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye	5,913.98	447.18

40 05 19 00-3906 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Crosses *(40 05 19 00-2073)*

40 05 19 00-3907	EA	4" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	1,316.48	294.09
40 05 19 00-3908	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	1,854.99	318.67
40 05 19 00-3909	EA	6" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	1,926.40	355.33
40 05 19 00-3910	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	2,397.52	323.90
40 05 19 00-3911	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	2,557.40	366.61
40 05 19 00-3912	EA	8" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	2,613.18	394.00
40 05 19 00-3913	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	3,152.02	349.69
40 05 19 00-3914	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	3,402.31	392.39
40 05 19 00-3915	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	3,675.42	419.79
40 05 19 00-3916	EA	10" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	4,422.40	518.08
40 05 19 00-3917	EA	12" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	4,123.95	362.98
40 05 19 00-3918	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	4,280.66	405.68
40 05 19 00-3919	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	4,553.77	433.08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3920	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	5,348.34	531.38
40 05 19 00-3921	EA	12" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	5,015.36	560.78
40 05 19 00-3922	EA	14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	5,156.55	417.36
40 05 19 00-3923	EA	14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	5,429.67	444.76
40 05 19 00-3924	EA	14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	5,899.04	543.06
40 05 19 00-3925	EA	14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,362.39	572.47
40 05 19 00-3926	EA	14" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,632.94	600.27
40 05 19 00-3927	EA	16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,155.47	451.61
40 05 19 00-3928	EA	16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,473.00	479.01
40 05 19 00-3929	EA	16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,943.96	577.30
40 05 19 00-3930	EA	16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	7,451.73	606.71
40 05 19 00-3931	EA	16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	10,220.73	634.51
40 05 19 00-3932	EA	16" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	8,247.44	765.44
40 05 19 00-3933	EA	18" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,468.98	487.86
40 05 19 00-3934	EA	18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,786.51	515.27
40 05 19 00-3935	EA	18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	7,165.46	613.56
40 05 19 00-3936	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	7,673.22	642.97
40 05 19 00-3937	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	8,729.00	670.77
40 05 19 00-3938	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	9,344.58	801.69
40 05 19 00-3939	EA	18" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	9,698.36	854.07
40 05 19 00-3940	EA	20" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	8,323.17	544.27
40 05 19 00-3941	EA	20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	8,662.91	571.66
40 05 19 00-3942	EA	20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	9,010.14	669.97
40 05 19 00-3943	EA	20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	9,551.22	699.37
40 05 19 00-3944	EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	9,694.87	727.16
40 05 19 00-3945	EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	11,582.68	858.10
40 05 19 00-3946	EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	11,958.67	910.47
40 05 19 00-3947	EA	20" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	12,911.43	1,079.67
40 05 19 00-3948	EA	24" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	10,998.72	580.53
40 05 19 00-3949	EA	24" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	11,241.69	607.92
40 05 19 00-3950	EA	24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	11,736.45	706.22
40 05 19 00-3951	EA	24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	12,079.23	735.63
40 05 19 00-3952	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	12,270.47	763.42
40 05 19 00-3953	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	12,816.25	894.36
40 05 19 00-3954	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	16,425.15	946.72
40 05 19 00-3955	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	17,231.27	1,053.70
40 05 19 00-3956	EA	24" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	18,808.33	1,176.36
40 05 19 00-3957	EA	30" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	19,711.32	836.35
40 05 19 00-3958	EA	30" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	19,805.79	864.14
40 05 19 00-3959	EA	30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	20,375.37	995.08
40 05 19 00-3960	EA	30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	20,564.19	1,047.44
40 05 19 00-3961	EA	30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	21,404.32	1,216.65
40 05 19 00-3962	EA	30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	27,619.07	1,277.07
40 05 19 00-3963	EA	30" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	30,913.14	1,659.79
40 05 19 00-3964	EA	36" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	27,595.98	1,063.96
40 05 19 00-3965	EA	36" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	27,632.00	1,087.73
40 05 19 00-3966	EA	36" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	28,117.36	1,194.49
40 05 19 00-3967	EA	36" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	28,295.31	1,242.83
40 05 19 00-3968	EA	36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	28,988.02	1,383.83
40 05 19 00-3969	EA	36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	29,922.27	1,438.22
40 05 19 00-3970	EA	36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	39,924.36	1,750.44
40 05 19 00-3971	EA	36" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	43,580.57	1,913.60
40 05 19 00-3972	EA	42" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	41,088.65	1,115.93
40 05 19 00-3973	EA	42" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	41,226.70	1,168.30
40 05 19 00-3974	EA	42" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	42,025.58	1,337.51
40 05 19 00-3975	EA	42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	43,021.34	1,397.93
40 05 19 00-3976	EA	42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	55,406.61	1,780.66
40 05 19 00-3977	EA	42" x 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	75,398.17	1,980.07
40 05 19 00-3978	EA	48" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	55,956.73	1,468.43
40 05 19 00-3979	EA	48" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	56,952.49	1,528.87
40 05 19 00-3980	EA	48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	59,159.95	1,911.58

40 05 19 00-3981 Flanged End x Flanged End, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducers *(40 05 19 00-2073)*

40 05 19 00-3982	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	938.59	151.47
40 05 19 00-3983	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,249.15	162.76
40 05 19 00-3984	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,328.00	181.29
40 05 19 00-3985	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,665.77	188.54
40 05 19 00-3986	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,658.95	207.07
40 05 19 00-3987	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,863.23	218.35
40 05 19 00-3988	EA	12" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,125.93	202.24
40 05 19 00-3989	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,158.77	220.77
40 05 19 00-3990	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,310.70	232.05
40 05 19 00-3991	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,511.56	257.83
40 05 19 00-3992	EA	14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,615.27	232.05
40 05 19 00-3993	EA	14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,817.96	243.33
40 05 19 00-3994	EA	14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,015.66	269.11
40 05 19 00-3995	EA	14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,928.54	282.81
40 05 19 00-3996	EA	16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,106.57	266.29
40 05 19 00-3997	EA	16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,961.85	277.57

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3998	EA	16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,199.20	303.36
40 05 19 00-3999	EA	16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,581.04	316.65
40 05 19 00-4000	EA	16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,028.63	328.34
40 05 19 00-4001	EA	18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,759.18	313.83
40 05 19 00-4002	EA	18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,029.86	339.62
40 05 19 00-4003	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,991.30	352.91
40 05 19 00-4004	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,481.72	364.59
40 05 19 00-4005	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,436.84	398.84
40 05 19 00-4006	EA	20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,580.69	370.23
40 05 19 00-4007	EA	20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,867.22	396.01
40 05 19 00-4008	EA	20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,750.95	409.31
40 05 19 00-4009	EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	5,354.00	420.99
40 05 19 00-4010	EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	5,036.27	455.23
40 05 19 00-4011	EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	6,009.69	491.49
40 05 19 00-4012	EA	24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	6,635.39	432.27
40 05 19 00-4013	EA	24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	7,171.08	445.57
40 05 19 00-4014	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	7,322.04	457.25
40 05 19 00-4015	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	6,549.03	491.49
40 05 19 00-4016	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	7,689.01	527.75
40 05 19 00-4017	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	8,076.74	521.92
40 05 19 00-4018	EA	30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	10,979.93	592.21
40 05 19 00-4019	EA	30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	11,356.89	628.47
40 05 19 00-4020	EA	30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	12,081.64	684.86
40 05 19 00-4021	EA	30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	13,199.40	721.12
40 05 19 00-4022	EA	36" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	15,554.80	646.59
40 05 19 00-4023	EA	36" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	15,777.89	682.85
40 05 19 00-4024	EA	36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	16,754.85	739.26
40 05 19 00-4025	EA	36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	17,629.92	775.51
40 05 19 00-4026	EA	36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	20,022.40	876.22
40 05 19 00-4027	EA	42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	24,434.42	841.99
40 05 19 00-4028	EA	42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	27,313.91	942.70
40 05 19 00-4029	EA	42" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	30,632.39	997.09
40 05 19 00-4030	EA	48" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	32,364.53	972.91
40 05 19 00-4031	EA	48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	34,284.28	1,073.63
40 05 19 00-4032	EA	48" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	38,058.05	1,128.01
40 05 19 00-4033	EA	48" x 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	42,362.51	1,194.49

40 05 19 00-4034 Flanged End x Flanged End, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducers *(40 05 19 00-2073)*

40 05 19 00-4035	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,003.63	151.47
40 05 19 00-4036	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,323.71	162.76
40 05 19 00-4037	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,442.21	181.29
40 05 19 00-4038	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,665.77	188.54
40 05 19 00-4039	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,738.27	207.07
40 05 19 00-4040	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,939.37	218.35
40 05 19 00-4041	EA	12" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,125.93	202.24
40 05 19 00-4042	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,247.60	220.77
40 05 19 00-4043	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,402.70	232.05
40 05 19 00-4044	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,671.78	257.83
40 05 19 00-4045	EA	14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,615.27	232.05
40 05 19 00-4046	EA	14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,770.37	243.33
40 05 19 00-4047	EA	14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,993.45	269.11
40 05 19 00-4048	EA	14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,337.81	282.81
40 05 19 00-4049	EA	16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,106.57	266.29
40 05 19 00-4050	EA	16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,306.09	277.57
40 05 19 00-4051	EA	16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,578.34	303.36
40 05 19 00-4052	EA	16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,874.50	316.65
40 05 19 00-4053	EA	16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,028.63	328.34
40 05 19 00-4054	EA	18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,759.18	313.83
40 05 19 00-4055	EA	18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,029.86	339.62
40 05 19 00-4056	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,324.43	352.91
40 05 19 00-4057	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,481.72	364.59
40 05 19 00-4058	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,809.62	398.84
40 05 19 00-4059	EA	20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,828.16	370.23
40 05 19 00-4060	EA	20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,041.72	396.01
40 05 19 00-4061	EA	20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,236.36	409.31
40 05 19 00-4062	EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,354.00	420.99
40 05 19 00-4063	EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,751.70	455.23
40 05 19 00-4064	EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	6,004.93	491.49
40 05 19 00-4065	EA	24" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	6,815.24	406.49
40 05 19 00-4066	EA	24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	6,749.60	432.27
40 05 19 00-4067	EA	24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	6,869.68	445.57
40 05 19 00-4068	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	6,985.74	457.25
40 05 19 00-4069	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,385.03	491.49
40 05 19 00-4070	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,689.01	527.75
40 05 19 00-4071	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	8,076.74	521.92
40 05 19 00-4072	EA	30" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	13,556.58	557.97
40 05 19 00-4073	EA	30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	12,632.88	592.21
40 05 19 00-4074	EA	30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	11,409.24	628.47
40 05 19 00-4075	EA	30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	12,081.64	684.86

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-4076	EA	30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	13,199.40	721.12
40 05 19 00-4077	EA	36" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	14,628.39	646.59
40 05 19 00-4078	EA	36" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	15,232.19	682.85
40 05 19 00-4079	EA	36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	16,115.56	739.26
40 05 19 00-4080	EA	36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	17,574.40	775.51
40 05 19 00-4081	EA	36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	20,303.18	876.22
40 05 19 00-4082	EA	42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	24,434.42	841.99
40 05 19 00-4083	EA	42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	27,313.91	942.70
40 05 19 00-4084	EA	42" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	30,632.39	997.09
40 05 19 00-4085	EA	48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	34,284.28	1,073.63
40 05 19 00-4086	EA	48" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	38,058.05	1,128.01
40 05 19 00-4087	EA	48" x 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	42,362.51	1,194.49

40 05 19 00-4088 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flanges *(40 05 19 00-2073)*

40 05 19 00-4089	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	464.83	52.37
40 05 19 00-4090	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	707.31	77.34
40 05 19 00-4091	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	945.02	91.85
40 05 19 00-4092	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	1,375.90	107.16
40 05 19 00-4093	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	1,824.36	125.70
40 05 19 00-4094	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	2,515.39	141.00
40 05 19 00-4095	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	3,039.26	161.14
40 05 19 00-4096	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	4,090.29	225.60
40 05 19 00-4097	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	5,492.40	282.01
40 05 19 00-4098	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	8,055.45	342.43
40 05 19 00-4099	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	11,681.56	398.84
40 05 19 00-4100	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	21,922.03	439.12
40 05 19 00-4101	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	31,440.46	483.44
40 05 19 00-4102	EA	48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	41,919.25	543.87

40 05 19 00-4103 Ductile Iron Bolt Packs *(40 05 19)*

Note: Labor installation is included with pipe fittings or valves.

40 05 19 00-4104	EA	4" Pipe Diameter, Ductile Iron Flange Bolt Pack	44.25
		Note: Includes eight (8) 5/8" diameter plain finish bolts with washers and nut.	
		For Zinc Plated, Add	*12.39*
		For Hot Dip Galvanized, Add	*17.70*
40 05 19 00-4105	EA	6" Pipe Diameter, Ductile Iron Flange Bolt Pack	68.27
		Note: Includes eight (8) 3/4" diameter plain finish bolts with washers and nut.	
		For Zinc Plated, Add	*19.12*
		For Hot Dip Galvanized, Add	*27.31*
40 05 19 00-4106	EA	8" Pipe Diameter, Ductile Iron Flange Bolt Pack	74.13
		Note: Includes eight (8) 3/4" diameter plain finish bolts with washers and nut.	
		For Zinc Plated, Add	*20.76*
		For Hot Dip Galvanized, Add	*29.65*
40 05 19 00-4107	EA	10" Pipe Diameter, Ductile Iron Flange Bolt Pack	166.52
		Note: Includes twelve (12) 7/8" diameter plain finish bolts with washers and nut.	
		For Zinc Plated, Add	*46.63*
		For Hot Dip Galvanized, Add	*66.61*
40 05 19 00-4108	EA	12" Pipe Diameter, Ductile Iron Flange Bolt Pack	167.98
		Note: Includes twelve (12) 7/8" diameter plain finish bolts with washers and nut.	
		For Zinc Plated, Add	*47.03*
		For Hot Dip Galvanized, Add	*67.19*
40 05 19 00-4109	EA	14" Pipe Diameter, Ductile Iron Flange Bolt Pack	188.20
		Note: Includes twelve (12) 1" diameter plain finish bolts with washers and nut.	
		For Zinc Plated, Add	*52.70*
		For Hot Dip Galvanized, Add	*75.28*
40 05 19 00-4110	EA	16" Pipe Diameter, Ductile Iron Flange Bolt Pack	316.39
		Note: Includes sixteen (16) 1" diameter plain finish bolts with washers and nut.	
		For Zinc Plated, Add	*88.59*
		For Hot Dip Galvanized, Add	*126.56*
40 05 19 00-4111	EA	18" Pipe Diameter, Ductile Iron Flange Bolt Pack	459.63
		Note: Includes sixteen (16) 1-1/8" diameter plain finish bolts with washers and nut.	
		For Zinc Plated, Add	*128.70*
		For Hot Dip Galvanized, Add	*183.85*
40 05 19 00-4112	EA	20" Pipe Diameter, Ductile Iron Flange Bolt Pack	580.34
		Note: Includes twenty (20) 1-1/8" diameter plain finish bolts with washers and nut.	
		For Zinc Plated, Add	*162.50*
		For Hot Dip Galvanized, Add	*232.14*
40 05 19 00-4113	EA	24" Pipe Diameter, Ductile Iron Flange Bolt Pack	830.36
		Note: Includes twenty (20) 1-1/4" diameter plain finish bolts with washers and nut.	
		For Zinc Plated, Add	*232.50*
		For Hot Dip Galvanized, Add	*332.14*
40 05 19 00-4114	EA	30" Pipe Diameter, Ductile Iron Flange Bolt Pack	1,312.09
		Note: Includes twenty-eight (28) 1-1/4" diameter plain finish bolts with washers and nut.	
		For Zinc Plated, Add	*367.39*
		For Hot Dip Galvanized, Add	*524.84*
40 05 19 00-4115	EA	36" Pipe Diameter, Ductile Iron Flange Bolt Pack	1,871.73
		Note: Includes thirty-two (32) 1-1/2" diameter plain finish bolts with washers and nut.	
		For Zinc Plated, Add	*524.08*
		For Hot Dip Galvanized, Add	*748.69*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-4116	EA	42" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes thirty-six (36) 1-1/2" diameter plain finish bolts with washers and nut.	2,407.93	
		For Zinc Plated, Add	*674.22*	
		For Hot Dip Galvanized, Add	*963.17*	
40 05 19 00-4117	EA	48" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes forty-four (44) 1-1/2" diameter plain finish bolts with washers and nut.	2,943.02	
		For Zinc Plated, Add	*824.05*	
		For Hot Dip Galvanized, Add	*1,177.21*	

40 05 19 00-4118 Full Face Flange Gaskets, ANSI/AWWA C115/A21.15 *(40 05 19)*

Note: Labor installation is included with pipe fittings or valves.

40 05 19 00-4119 Full Face Flange Styrene Butadiene (SBR) Gaskets *(40 05 19 00-4118)*

40 05 19 00-4120	EA	4" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	8.24
40 05 19 00-4121	EA	6" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	10.48
40 05 19 00-4122	EA	8" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	14.23
40 05 19 00-4123	EA	10" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	16.47
40 05 19 00-4124	EA	12" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	17.97
40 05 19 00-4125	EA	14" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	29.95
40 05 19 00-4126	EA	16" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	36.69
40 05 19 00-4127	EA	18" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	38.94
40 05 19 00-4128	EA	20" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	59.90
40 05 19 00-4129	EA	24" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	64.39
40 05 19 00-4130	EA	30" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	83.11
40 05 19 00-4131	EA	36" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	95.09
40 05 19 00-4132	EA	42" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	101.83
40 05 19 00-4133	EA	48" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	111.56

40 05 19 00-4134 Full Face Flange Nitrile Buna-N (NBR) Gaskets *(40 05 19 00-4118)*

Note: (Acrylonitrile Butadiene)

40 05 19 00-4135	EA	4" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	25.46
40 05 19 00-4136	EA	6" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	35.94
40 05 19 00-4137	EA	8" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	55.41
40 05 19 00-4138	EA	10" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	60.65
40 05 19 00-4139	EA	12" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	65.14
40 05 19 00-4140	EA	14" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	122.80
40 05 19 00-4141	EA	16" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	151.25
40 05 19 00-4142	EA	18" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	152.00
40 05 19 00-4143	EA	20" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	157.99
40 05 19 00-4144	EA	24" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	166.97
40 05 19 00-4145	EA	30" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	184.94
40 05 19 00-4146	EA	36" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	203.66
40 05 19 00-4147	EA	42" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	289.77
40 05 19 00-4148	EA	48" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	316.72

40 05 19 00-4149 Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gaskets *(40 05 19 00-4118)*

40 05 19 00-4150	EA	4" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	22.46
40 05 19 00-4151	EA	6" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	29.20
40 05 19 00-4152	EA	8" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	39.68
40 05 19 00-4153	EA	10" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	46.42
40 05 19 00-4154	EA	12" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	51.66
40 05 19 00-4155	EA	14" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	85.36
40 05 19 00-4156	EA	16" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	102.58
40 05 19 00-4157	EA	18" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	103.33
40 05 19 00-4158	EA	20" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	105.57
40 05 19 00-4159	EA	24" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	122.80
40 05 19 00-4160	EA	30" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	150.50
40 05 19 00-4161	EA	36" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	171.46
40 05 19 00-4162	EA	42" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	245.59
40 05 19 00-4163	EA	48" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	271.05

40 05 19 00-4164 Full Face Flange Neoprene Gaskets *(40 05 19 00-4118)*

Note: (Polychloroprene)

40 05 19 00-4165	EA	4" Full Face Flange Neoprene Gasket, 1/8" Thick	26.21
40 05 19 00-4166	EA	6" Full Face Flange Neoprene Gasket, 1/8" Thick	36.69
40 05 19 00-4167	EA	8" Full Face Flange Neoprene Gasket, 1/8" Thick	56.16
40 05 19 00-4168	EA	10" Full Face Flange Neoprene Gasket, 1/8" Thick	60.65
40 05 19 00-4169	EA	12" Full Face Flange Neoprene Gasket, 1/8" Thick	65.14
40 05 19 00-4170	EA	14" Full Face Flange Neoprene Gasket, 1/8" Thick	86.86
40 05 19 00-4171	EA	16" Full Face Flange Neoprene Gasket, 1/8" Thick	152.74
40 05 19 00-4172	EA	18" Full Face Flange Neoprene Gasket, 1/8" Thick	153.49
40 05 19 00-4173	EA	20" Full Face Flange Neoprene Gasket, 1/8" Thick	162.48
40 05 19 00-4174	EA	24" Full Face Flange Neoprene Gasket, 1/8" Thick	164.72
40 05 19 00-4175	EA	30" Full Face Flange Neoprene Gasket, 1/8" Thick	178.95
40 05 19 00-4176	EA	36" Full Face Flange Neoprene Gasket, 1/8" Thick	201.41
40 05 19 00-4177	EA	42" Full Face Flange Neoprene Gasket, 1/8" Thick	292.01
40 05 19 00-4178	EA	48" Full Face Flange Neoprene Gasket, 1/8" Thick	319.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-4179		Full Face Flange FKM Gaskets *(40 05 19 00-4118)*		
		Note: (Fluoroelastomer Fluorel Viton®)		
40 05 19 00-4180	EA	4" Full Face Flange FKM Gasket, 1/8" Thick	131.67	
40 05 19 00-4181	EA	6" Full Face Flange FKM Gasket, 1/8" Thick	196.04	
40 05 19 00-4182	EA	8" Full Face Flange FKM Gasket, 1/8" Thick	261.87	
40 05 19 00-4183	EA	10" Full Face Flange FKM Gasket, 1/8" Thick	316.00	
40 05 19 00-4184	EA	12" Full Face Flange FKM Gasket, 1/8" Thick	411.09	
40 05 19 00-4185	EA	14" Full Face Flange FKM Gasket, 1/8" Thick	751.96	
40 05 19 00-4186	EA	16" Full Face Flange FKM Gasket, 1/8" Thick	861.68	
40 05 19 00-4187	EA	18" Full Face Flange FKM Gasket, 1/8" Thick	902.64	
40 05 19 00-4188	EA	20" Full Face Flange FKM Gasket, 1/8" Thick	962.62	
40 05 19 00-4189	EA	24" Full Face Flange FKM Gasket, 1/8" Thick	1,331.28	
40 05 19 00-4190	EA	30" Full Face Flange FKM Gasket, 1/8" Thick	1,596.08	
40 05 19 00-4191	EA	36" Full Face Flange FKM Gasket, 1/8" Thick	1,683.86	
40 05 19 00-4192	EA	42" Full Face Flange FKM Gasket, 1/8" Thick	2,099.33	
40 05 19 00-4193	EA	48" Full Face Flange FKM Gasket, 1/8" Thick	2,200.28	
40 05 19 00-4194		Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) *(40 05 19)*		
40 05 19 00-4195	EA	4" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	416.10	77.78
40 05 19 00-4196	EA	6" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	577.64	94.94
40 05 19 00-4197	EA	8" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	855.85	115.80
40 05 19 00-4198	EA	10" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	1,176.02	141.26
40 05 19 00-4199	EA	12" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	1,493.25	172.26
40 05 19 00-4200	EA	14" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	2,401.22	210.17
40 05 19 00-4201	EA	16" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	3,778.69	256.48
40 05 19 00-4202	EA	18" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	3,900.05	312.83
40 05 19 00-4203	EA	20" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	4,778.25	381.72
40 05 19 00-4204	EA	24" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	5,322.61	465.61
40 05 19 00-4205	EA	30" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	6,860.77	568.16
40 05 19 00-4206	EA	36" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	10,204.38	693.06
40 05 19 00-4207	EA	42" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	26,633.65	845.60
40 05 19 00-4208	EA	48" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	34,021.26	1,031.57
40 05 19 00-4209		Stainless Steel Band, Casing Spacer Isolators *(40 05 19)*		
40 05 19 00-4210	EA	8" x 16", 14 Gauge, Stainless Steel Band, Casing Spacer Isolator	186.80	

40 05 23 Stainless Steel Process Pipe and Tubing *(40 05)*

40 05 23 23 300- and 400-Series Stainless Steel Process Pipe *(40 05 23)*

40 05 23 23-0001		Schedule 40 Pipe, Type 304, With 150 Lb. Screwed Fittings Assembly *(40 05 23 23)*		
		Note: Includes hangers and fittings. Fittings are assumed every 10'. Not for use where detail is available.		
40 05 23 23-0002	LF	1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly	32.33	9.59
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	*3.39*	
		For Work In Restricted Working Space, Add	*5.78*	
40 05 23 23-0003	LF	3/4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly	36.59	11.00
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	*3.56*	
		For Work In Restricted Working Space, Add	*6.87*	
40 05 23 23-0004	LF	1" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly	42.61	12.40
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	*4.17*	
		For Work In Restricted Working Space, Add	*7.97*	
40 05 23 23-0005	LF	1-1/4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly	48.86	14.98
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	*5.26*	
		For Work In Restricted Working Space, Add	*8.59*	
40 05 23 23-0006	LF	1-1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly	53.86	15.41
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	*6.03*	
		For Work In Restricted Working Space, Add	*9.20*	
40 05 23 23-0007	LF	2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly	65.23	20.37
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	*7.35*	
		For Work In Restricted Working Space, Add	*11.09*	
40 05 23 23-0008	LF	2-1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly	94.39	25.11
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	*12.64*	
		For Work In Restricted Working Space, Add	*13.74*	
40 05 23 23-0009	LF	3" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly	119.32	29.10
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	*16.46*	
		For Work In Restricted Working Space, Add	*16.81*	
40 05 23 23-0010	LF	4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly	162.23	29.10
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*21.32*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0011		Stainless Steel Tubing And Fittings *(40 05 23 23)*			
40 05 23 23-0012		Type 304 Tubing *(40 05 23 23-0011)*			
40 05 23 23-0013		0.035" Wall *(40 05 23 23-0012)*			
40 05 23 23-0014	LF	1/4", 0.035" Wall, Type 304, Stainless Steel Tubing		8.64	3.16
		For Work In Restricted Working Space, Add		*1.88*	
40 05 23 23-0015	LF	3/8", 0.035" Wall, Type 304, Stainless Steel Tubing		10.00	3.75
		For Work In Restricted Working Space, Add		*2.26*	
40 05 23 23-0016	LF	1/2", 0.035" Wall, Type 304, Stainless Steel Tubing		11.96	4.45
		For Work In Restricted Working Space, Add		*2.64*	
40 05 23 23-0017	LF	5/8", 0.035" Wall, Type 304, Stainless Steel Tubing		19.68	5.04
		For Work In Restricted Working Space, Add		*3.02*	
40 05 23 23-0018	LF	3/4", 0.035" Wall, Type 304, Stainless Steel Tubing		23.36	5.62
		For Work In Restricted Working Space, Add		*3.39*	
40 05 23 23-0019	LF	7/8", 0.035" Wall, Type 304, Stainless Steel Tubing		25.85	6.33
		For Work In Restricted Working Space, Add		*3.78*	
40 05 23 23-0020	LF	1", 0.035" Wall, Type 304, Stainless Steel Tubing		28.84	7.61
		For Work In Restricted Working Space, Add		*4.53*	
40 05 23 23-0021		0.049" Wall *(40 05 23 23-0012)*			
40 05 23 23-0022	LF	1/4", 0.049" Wall, Type 304, Stainless Steel Tubing		14.53	3.75
		For Work In Restricted Working Space, Add		*2.26*	
40 05 23 23-0023	LF	3/8", 0.049" Wall, Type 304, Stainless Steel Tubing		16.16	4.45
		For Work In Restricted Working Space, Add		*2.64*	
40 05 23 23-0024	LF	1/2", 0.049" Wall, Type 304, Stainless Steel Tubing		19.47	5.04
		For Work In Restricted Working Space, Add		*3.02*	
40 05 23 23-0025	LF	5/8", 0.049" Wall, Type 304, Stainless Steel Tubing		24.64	6.33
		For Work In Restricted Working Space, Add		*3.78*	
40 05 23 23-0026	LF	3/4", 0.049" Wall, Type 304, Stainless Steel Tubing		28.15	7.61
		For Work In Restricted Working Space, Add		*4.53*	
40 05 23 23-0027	LF	7/8", 0.049" Wall, Type 304, Stainless Steel Tubing		31.60	8.78
		For Work In Restricted Working Space, Add		*5.28*	
40 05 23 23-0028	LF	1", 0.049" Wall, Type 304, Stainless Steel Tubing		36.47	9.95
		For Work In Restricted Working Space, Add		*6.00*	
40 05 23 23-0029		0.065" Wall *(40 05 23 23-0012)*			
40 05 23 23-0030	LF	1/4", 0.065" Wall, Type 304, Stainless Steel Tubing		16.95	4.45
		For Work In Restricted Working Space, Add		*2.64*	
40 05 23 23-0031	LF	3/8", 0.065" Wall, Type 304, Stainless Steel Tubing		19.52	5.04
		For Work In Restricted Working Space, Add		*3.02*	
40 05 23 23-0032	LF	1/2", 0.065" Wall, Type 304, Stainless Steel Tubing		24.06	6.33
		For Work In Restricted Working Space, Add		*3.78*	
40 05 23 23-0033	LF	5/8", 0.065" Wall, Type 304, Stainless Steel Tubing		28.26	7.61
		For Work In Restricted Working Space, Add		*4.53*	
40 05 23 23-0034	LF	3/4", 0.065" Wall, Type 304, Stainless Steel Tubing		33.34	8.78
		For Work In Restricted Working Space, Add		*5.28*	
40 05 23 23-0035	LF	7/8", 0.065" Wall, Type 304, Stainless Steel Tubing		38.31	9.95
		For Work In Restricted Working Space, Add		*6.00*	
40 05 23 23-0036	LF	1", 0.065" Wall, Type 304, Stainless Steel Tubing		43.19	11.24
		For Work In Restricted Working Space, Add		*6.76*	
40 05 23 23-0037		Type 304 Tube Fittings *(40 05 23 23-0011)*			
40 05 23 23-0038		90 Degree Elbows *(40 05 23 23-0037)*			
40 05 23 23-0039	EA	1/4", Type 304, Stainless Steel, 90 Degree Elbow		54.92	12.65
		For Work In Restricted Working Space, Add		*7.55*	
40 05 23 23-0040	EA	3/8", Type 304, Stainless Steel, 90 Degree Elbow		65.06	13.82
		For Work In Restricted Working Space, Add		*8.27*	
40 05 23 23-0041	EA	1/2", Type 304, Stainless Steel, 90 Degree Elbow		98.47	15.57
		For Work In Restricted Working Space, Add		*9.37*	
40 05 23 23-0042	EA	5/8", Type 304, Stainless Steel, 90 Degree Elbow		105.12	17.44
		For Work In Restricted Working Space, Add		*10.49*	
40 05 23 23-0043	EA	3/4", Type 304, Stainless Steel, 90 Degree Elbow		117.63	18.86
		For Work In Restricted Working Space, Add		*11.33*	
40 05 23 23-0044	EA	7/8", Type 304, Stainless Steel, 90 Degree Elbow		161.12	20.96
		For Work In Restricted Working Space, Add		*12.55*	
40 05 23 23-0045	EA	1", Type 304, Stainless Steel, 90 Degree Elbow		205.34	24.94
		For Work In Restricted Working Space, Add		*14.95*	
40 05 23 23-0046		Union Tees *(40 05 23 23-0037)*			
40 05 23 23-0047	EA	1/4", Type 304, Stainless Steel, Union Tee		87.24	18.86
		For Work In Restricted Working Space, Add		*11.33*	
40 05 23 23-0048	EA	3/8", Type 304, Stainless Steel, Union Tee		106.00	20.96
		For Work In Restricted Working Space, Add		*12.55*	
40 05 23 23-0049	EA	1/2", Type 304, Stainless Steel, Union Tee		145.30	23.42
		For Work In Restricted Working Space, Add		*14.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0050	EA	5/8", Type 304, Stainless Steel, Union Tee	156.21	26.58
		For Work In Restricted Working Space, Add	*15.97*	
40 05 23 23-0051	EA	3/4", Type 304, Stainless Steel, Union Tee	200.03	28.57
		For Work In Restricted Working Space, Add	*17.14*	
40 05 23 23-0052	EA	7/8", Type 304, Stainless Steel, Union Tee	319.04	31.62
		For Work In Restricted Working Space, Add	*18.99*	
40 05 23 23-0053	EA	1", Type 304, Stainless Steel, Union Tee	382.37	37.82
		For Work In Restricted Working Space, Add	*22.67*	
40 05 23 23-0054		**Unions** *(40 05 23 23-0037)*		
40 05 23 23-0055	EA	1/4", Type 304, Stainless Steel, Union	83.30	18.86
		For Work In Restricted Working Space, Add	*11.33*	
40 05 23 23-0056	EA	3/8", Type 304, Stainless Steel, Union	108.21	20.96
		For Work In Restricted Working Space, Add	*12.55*	
40 05 23 23-0057	EA	1/2", Type 304, Stainless Steel, Union	146.76	23.42
		For Work In Restricted Working Space, Add	*14.06*	
40 05 23 23-0058	EA	5/8", Type 304, Stainless Steel, Union	179.06	26.58
		For Work In Restricted Working Space, Add	*15.97*	
40 05 23 23-0059	EA	3/4", Type 304, Stainless Steel, Union	213.94	28.57
		For Work In Restricted Working Space, Add	*17.14*	
40 05 23 23-0060	EA	7/8", Type 304, Stainless Steel, Union	330.14	31.62
		For Work In Restricted Working Space, Add	*18.99*	
40 05 23 23-0061	EA	1", Type 304, Stainless Steel, Union	350.93	37.82
		For Work In Restricted Working Space, Add	*22.67*	
40 05 23 23-0062		**Male Connectors** *(40 05 23 23-0037)*		
40 05 23 23-0063	EA	1/4" x 1/4", Type 304, Stainless Steel, Male Connection	40.84	12.65
		For Work In Restricted Working Space, Add	*7.55*	
40 05 23 23-0064	EA	3/8" x 3/8", Type 304, Stainless Steel, Male Connection	51.21	13.82
		For Work In Restricted Working Space, Add	*8.27*	
40 05 23 23-0065	EA	1/2" x 1/2", Type 304, Stainless Steel, Male Connection	66.61	15.57
		For Work In Restricted Working Space, Add	*9.37*	
40 05 23 23-0066	EA	5/8" x 5/8" Male Connection, Stainless Steel Type 304	75.08	17.44
		For Work In Restricted Working Space, Add	*10.49*	
40 05 23 23-0067	EA	3/4" x 3/4", Type 304, Stainless Steel, Male Connection	90.93	18.86
		For Work In Restricted Working Space, Add	*11.33*	
40 05 23 23-0068	EA	7/8" x 7/8", Type 304, Stainless Steel, Male Connection	137.71	20.96
		For Work In Restricted Working Space, Add	*12.55*	
40 05 23 23-0069	EA	1" x 1", Type 304, Stainless Steel, Male Connection	143.93	24.94
		For Work In Restricted Working Space, Add	*14.95*	
40 05 23 23-0070		**Type 304 Valves** *(40 05 23 23-0011)*		
40 05 23 23-0071		**Gate Valves** *(40 05 23 23-0070)*		
40 05 23 23-0072	EA	1/4" Gate Valve, Stainless Steel Type 304	231.46	18.86
		For Work In Restricted Working Space, Add	*10.23*	
40 05 23 23-0073	EA	3/8" Gate Valve, Stainless Steel Type 304	391.76	22.13
		For Work In Restricted Working Space, Add	*10.77*	
40 05 23 23-0074	EA	1/2" Gate Valve, Stainless Steel Type 304	405.70	24.94
		For Work In Restricted Working Space, Add	*14.95*	
40 05 23 23-0075	EA	3/4" Gate Valve, Stainless Steel Type 304	449.58	28.57
		For Work In Restricted Working Space, Add	*17.14*	
40 05 23 23-0076	EA	1" Gate Valve, Stainless Steel Type 304	410.83	37.82
		For Work In Restricted Working Space, Add	*22.67*	
40 05 23 23-0077		**Globe Valves** *(40 05 23 23-0070)*		
40 05 23 23-0078	EA	1/4" Globe Valve, Stainless Steel Type 304	234.69	18.86
		For Work In Restricted Working Space, Add	*10.23*	
40 05 23 23-0079	EA	3/8" Globe Valve, Stainless Steel Type 304	153.95	22.13
		For Work In Restricted Working Space, Add	*10.77*	
40 05 23 23-0080	EA	1/2" Globe Valve, Stainless Steel Type 304	277.79	24.94
		For Work In Restricted Working Space, Add	*14.95*	
40 05 23 23-0081	EA	3/4" Globe Valve, Stainless Steel Type 304	309.10	28.57
		For Work In Restricted Working Space, Add	*17.14*	
40 05 23 23-0082	EA	1" Globe Valve, Stainless Steel Type 304	451.54	37.82
		For Work In Restricted Working Space, Add	*22.67*	
40 05 23 23-0083		**Check Valves** *(40 05 23 23-0070)*		
40 05 23 23-0084	EA	1/4" Check Valve, Stainless Steel Type 304	329.72	18.86
		For Work In Restricted Working Space, Add	*10.23*	
40 05 23 23-0085	EA	3/8" Check Valve, Stainless Steel Type 304	331.51	22.13
		For Work In Restricted Working Space, Add	*10.77*	
40 05 23 23-0086	EA	1/2" Check Valve, Stainless Steel Type 304	215.07	24.94
		For Work In Restricted Working Space, Add	*14.95*	
40 05 23 23-0087	EA	3/4" Check Valve, Stainless Steel Type 304	224.76	28.57
		For Work In Restricted Working Space, Add	*17.14*	
40 05 23 23-0088	EA	1" Check Valve, Stainless Steel Type 304	247.98	37.82
		For Work In Restricted Working Space, Add	*22.67*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0089		Plug Valves *(40 05 23 23-0070)*			
40 05 23 23-0090	EA	1/2" Plug Valve, Stainless Steel Type 304		510.22	24.94
		For Work In Restricted Working Space, Add		*14.95*	
40 05 23 23-0091	EA	3/4" Plug Valve, Stainless Steel Type 304		558.43	28.57
		For Work In Restricted Working Space, Add		*17.14*	
40 05 23 23-0092	EA	1" Plug Valve, Stainless Steel Type 304		631.42	37.82
		For Work In Restricted Working Space, Add		*22.67*	
40 05 23 23-0093	EA	1-1/2" Plug Valve, Stainless Steel Type 304		878.54	42.75
		For Work In Restricted Working Space, Add		*25.64*	
40 05 23 23-0094	EA	2" Plug Valve, Stainless Steel Type 304		1,143.57	58.55
		For Work In Restricted Working Space, Add		*35.13*	
40 05 23 23-0095		Type 316 Tubing *(40 05 23 23-0011)*			
40 05 23 23-0096		0.035" Wall *(40 05 23 23-0095)*			
40 05 23 23-0097	LF	1/4" Stainless Steel Tubing, Type 316, 0.035" Wall		9.00	3.16
		For Work In Restricted Working Space, Add		*1.88*	
40 05 23 23-0098	LF	3/8" Stainless Steel Tubing, Type 316, 0.035" Wall		11.76	3.75
		For Work In Restricted Working Space, Add		*2.26*	
40 05 23 23-0099	LF	1/2" Stainless Steel Tubing, Type 316, 0.035" Wall		13.03	4.45
		For Work In Restricted Working Space, Add		*2.64*	
40 05 23 23-0100	LF	5/8" Stainless Steel Tubing, Type 316, 0.035" Wall		22.52	5.04
		For Work In Restricted Working Space, Add		*3.02*	
40 05 23 23-0101	LF	3/4" Stainless Steel Tubing, Type 316, 0.035" Wall		25.56	5.62
		For Work In Restricted Working Space, Add		*3.39*	
40 05 23 23-0102	LF	7/8" Stainless Steel Tubing, Type 316, 0.035" Wall		32.63	6.33
		For Work In Restricted Working Space, Add		*3.78*	
40 05 23 23-0103	LF	1" Stainless Steel Tubing, Type 316, 0.035" Wall		34.09	7.61
		For Work In Restricted Working Space, Add		*4.53*	
40 05 23 23-0104		0.049" Wall *(40 05 23 23-0095)*			
40 05 23 23-0105	LF	1/4" Stainless Steel Tubing, Type 316, 0.049" Wall		16.05	3.75
		For Work In Restricted Working Space, Add		*2.26*	
40 05 23 23-0106	LF	3/8" Stainless Steel Tubing, Type 316, 0.049" Wall		17.76	4.45
		For Work In Restricted Working Space, Add		*2.64*	
40 05 23 23-0107	LF	1/2" Stainless Steel Tubing, Type 316, 0.049" Wall		20.96	5.04
		For Work In Restricted Working Space, Add		*3.02*	
40 05 23 23-0108	LF	5/8" Stainless Steel Tubing, Type 316, 0.049" Wall		27.40	6.33
		For Work In Restricted Working Space, Add		*3.78*	
40 05 23 23-0109	LF	3/4" Stainless Steel Tubing, Type 316, 0.049" Wall		31.59	7.61
		For Work In Restricted Working Space, Add		*4.53*	
40 05 23 23-0110	LF	7/8" Stainless Steel Tubing, Type 316, 0.049" Wall		40.43	8.78
		For Work In Restricted Working Space, Add		*5.28*	
40 05 23 23-0111	LF	1" Stainless Steel Tubing, Type 316, 0.049" Wall		41.11	9.95
		For Work In Restricted Working Space, Add		*6.00*	
40 05 23 23-0112		0.065" Wall *(40 05 23 23-0095)*			
40 05 23 23-0113	LF	1/4" Stainless Steel Tubing, Type 316, 0.065" Wall		18.76	4.45
		For Work In Restricted Working Space, Add		*2.64*	
40 05 23 23-0114	LF	3/8" Stainless Steel Tubing, Type 316, 0.065" Wall		20.90	5.04
		For Work In Restricted Working Space, Add		*3.02*	
40 05 23 23-0115	LF	1/2" Stainless Steel Tubing, Type 316, 0.065" Wall		26.23	6.33
		For Work In Restricted Working Space, Add		*3.78*	
40 05 23 23-0116	LF	5/8" Stainless Steel Tubing, Type 316, 0.065" Wall		31.25	7.61
		For Work In Restricted Working Space, Add		*4.53*	
40 05 23 23-0117	LF	3/4" Stainless Steel Tubing, Type 316, 0.065" Wall		37.93	8.78
		For Work In Restricted Working Space, Add		*5.28*	
40 05 23 23-0118	LF	7/8" Stainless Steel Tubing, Type 316, 0.065" Wall		41.72	9.95
		For Work In Restricted Working Space, Add		*6.00*	
40 05 23 23-0119	LF	1" Stainless Steel Tubing, Type 316, 0.065" Wall		48.68	11.24
		For Work In Restricted Working Space, Add		*6.76*	
40 05 23 23-0120		Type 316 Tube Fittings *(40 05 23 23-0011)*			
40 05 23 23-0121		90 Degree Elbows *(40 05 23 23-0120)*			
40 05 23 23-0122	EA	1/4" 90 Degree Elbow, Stainless Steel Type 316		76.40	12.65
		For Work In Restricted Working Space, Add		*7.55*	
40 05 23 23-0123	EA	3/8" 90 Degree Elbow, Stainless Steel Type 316		92.14	13.82
		For Work In Restricted Working Space, Add		*8.27*	
40 05 23 23-0124	EA	1/2" 90 Degree Elbow, Stainless Steel Type 316		147.02	15.57
		For Work In Restricted Working Space, Add		*9.37*	
40 05 23 23-0125	EA	5/8" 90 Degree Elbow, Stainless Steel Type 316		155.77	17.44
		For Work In Restricted Working Space, Add		*10.49*	
40 05 23 23-0126	EA	3/4" 90 Degree Elbow, Stainless Steel Type 316		175.28	18.86
		For Work In Restricted Working Space, Add		*11.33*	
40 05 23 23-0127	EA	7/8" 90 Degree Elbow, Stainless Steel Type 316		247.26	20.96
		For Work In Restricted Working Space, Add		*12.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0128	EA	1" 90 Degree Elbow, Stainless Steel Type 316	317.62	24.94
		For Work In Restricted Working Space, Add	*14.95*	
40 05 23 23-0129		**Union Tees** *(40 05 23 23-0120)*		
40 05 23 23-0130	EA	1/4" Union Tee, Stainless Steel Type 316	122.95	18.86
		For Work In Restricted Working Space, Add	*11.33*	
40 05 23 23-0131	EA	3/8" Union Tee, Stainless Steel Type 316	152.33	20.96
		For Work In Restricted Working Space, Add	*12.55*	
40 05 23 23-0132	EA	1/2" Union Tee, Stainless Steel Type 316	216.38	23.42
		For Work In Restricted Working Space, Add	*14.06*	
40 05 23 23-0133	EA	5/8" Union Tee, Stainless Steel Type 316	230.55	26.58
		For Work In Restricted Working Space, Add	*15.97*	
40 05 23 23-0134	EA	3/4" Union Tee, Stainless Steel Type 316	303.20	28.57
		For Work In Restricted Working Space, Add	*17.14*	
40 05 23 23-0135	EA	7/8" Union Tee, Stainless Steel Type 316	503.68	31.62
		For Work In Restricted Working Space, Add	*18.99*	
40 05 23 23-0136	EA	1" Union Tee, Stainless Steel Type 316	603.89	37.82
		For Work In Restricted Working Space, Add	*22.67*	
40 05 23 23-0137		**Unions** *(40 05 23 23-0120)*		
40 05 23 23-0138	EA	1/4" Union, Stainless Steel Type 316	77.86	18.86
		For Work In Restricted Working Space, Add	*11.33*	
40 05 23 23-0139	EA	3/8" Union, Stainless Steel Type 316	100.28	20.96
		For Work In Restricted Working Space, Add	*12.55*	
40 05 23 23-0140	EA	1/2" Union, Stainless Steel Type 316	134.81	23.42
		For Work In Restricted Working Space, Add	*14.06*	
40 05 23 23-0141	EA	5/8" Union, Stainless Steel Type 316	164.02	26.58
		For Work In Restricted Working Space, Add	*15.97*	
40 05 23 23-0142	EA	3/4" Union, Stainless Steel Type 316	195.19	28.57
		For Work In Restricted Working Space, Add	*17.14*	
40 05 23 23-0143	EA	7/8" Union, Stainless Steel Type 316	298.24	31.62
		For Work In Restricted Working Space, Add	*18.99*	
40 05 23 23-0144	EA	1" Union, Stainless Steel Type 316	318.01	37.82
		For Work In Restricted Working Space, Add	*22.67*	
40 05 23 23-0145		**Male Connectors** *(40 05 23 23-0120)*		
40 05 23 23-0146	EA	1/4" x 1/4" Male Connector, Stainless Steel Type 316	51.90	12.65
		For Work In Restricted Working Space, Add	*7.55*	
40 05 23 23-0147	EA	3/8" x 3/8" Male Connector, Stainless Steel Type 316	67.92	13.82
		For Work In Restricted Working Space, Add	*8.27*	
40 05 23 23-0148	EA	1/2" x 1/2" Male Connector, Stainless Steel Type 316	91.63	15.57
		For Work In Restricted Working Space, Add	*9.37*	
40 05 23 23-0149	EA	5/8" x 5/8" Male Connector, Stainless Steel Type 316	103.44	17.44
		For Work In Restricted Working Space, Add	*10.49*	
40 05 23 23-0150	EA	3/4" x 3/4" Male Connector, Stainless Steel Type 316	128.52	18.86
		For Work In Restricted Working Space, Add	*11.33*	
40 05 23 23-0151	EA	7/8" x 7/8" Male Connector, Stainless Steel Type 316	205.50	20.96
		For Work In Restricted Working Space, Add	*12.55*	
40 05 23 23-0152	EA	1" x 1" Male Connector, Stainless Steel Type 316	210.45	24.94
		For Work In Restricted Working Space, Add	*14.95*	
40 05 23 23-0153		**Type 316 Valves** *(40 05 23 23-0011)*		
40 05 23 23-0154		**Gate Valves** *(40 05 23 23-0153)*		
40 05 23 23-0155	EA	1/4" Gate Valve, Stainless Steel Type 316	295.18	18.86
		For Work In Restricted Working Space, Add	*10.23*	
40 05 23 23-0156	EA	3/8" Gate Valve, Stainless Steel Type 316	506.66	22.13
		For Work In Restricted Working Space, Add	*10.77*	
40 05 23 23-0157	EA	1/2" Gate Valve, Stainless Steel Type 316	520.60	24.94
		For Work In Restricted Working Space, Add	*14.95*	
40 05 23 23-0158	EA	3/4" Gate Valve, Stainless Steel Type 316	576.30	28.57
		For Work In Restricted Working Space, Add	*17.14*	
40 05 23 23-0159	EA	1" Gate Valve, Stainless Steel Type 316	519.08	37.82
		For Work In Restricted Working Space, Add	*22.67*	
40 05 23 23-0160	EA	1-1/4" Gate Valve, Stainless Steel Type 316	715.90	39.23
		For Work In Restricted Working Space, Add	*23.54*	
40 05 23 23-0161	EA	1-1/2" Gate Valve, Stainless Steel Type 316	1,154.69	42.75
		For Work In Restricted Working Space, Add	*25.64*	
40 05 23 23-0162	EA	2" Gate Valve, Stainless Steel Type 316	1,371.65	58.55
		For Work In Restricted Working Space, Add	*35.13*	
40 05 23 23-0163	EA	2-1/2" Gate Valve, Stainless Steel Type 316	2,014.31	187.48
		For Work In Restricted Working Space, Add	*112.45*	
40 05 23 23-0164		**Globe Valves** *(40 05 23 23-0153)*		
40 05 23 23-0165	EA	1/4" Globe Valve, Stainless Steel Type 316	299.46	18.86
		For Work In Restricted Working Space, Add	*10.23*	
40 05 23 23-0166	EA	3/8" Globe Valve, Stainless Steel Type 316	192.08	22.13
		For Work In Restricted Working Space, Add	*10.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0167	EA	1/2" Globe Valve, Stainless Steel Type 316	351.40	24.94
		For Work In Restricted Working Space, Add	*14.95*	
40 05 23 23-0168	EA	3/4" Globe Valve, Stainless Steel Type 316	390.46	28.57
		For Work In Restricted Working Space, Add	*17.14*	
40 05 23 23-0169	EA	1" Globe Valve, Stainless Steel Type 316	572.93	37.82
		For Work In Restricted Working Space, Add	*22.67*	
40 05 23 23-0170	EA	1-1/4" Globe Valve, Stainless Steel Type 316	717.38	39.00
		For Work In Restricted Working Space, Add	*23.36*	
40 05 23 23-0171	EA	1-1/2" Globe Valve, Stainless Steel Type 316	1,197.46	42.75
		For Work In Restricted Working Space, Add	*25.64*	
40 05 23 23-0172	EA	2" Globe Valve, Stainless Steel Type 316	1,414.42	58.55
		For Work In Restricted Working Space, Add	*35.13*	
40 05 23 23-0173	EA	2-1/2" Globe Valve, Stainless Steel Type 316	1,743.44	187.48
		For Work In Restricted Working Space, Add	*112.45*	

40 05 23 23-0174 Check Valves *(40 05 23 23-0153)*

40 05 23 23-0175	EA	1/4" Check Valve, Stainless Steel Type 316	425.16	18.86
		For Work In Restricted Working Space, Add	*10.23*	
40 05 23 23-0176	EA	3/8" Check Valve, Stainless Steel Type 316	426.95	22.13
		For Work In Restricted Working Space, Add	*10.77*	
40 05 23 23-0177	EA	1/2" Check Valve, Stainless Steel Type 316	268.43	24.94
		For Work In Restricted Working Space, Add	*14.95*	
40 05 23 23-0178	EA	3/4" Check Valve, Stainless Steel Type 316	278.88	28.57
		For Work In Restricted Working Space, Add	*17.14*	
40 05 23 23-0179	EA	1" Check Valve, Stainless Steel Type 316	303.65	37.82
		For Work In Restricted Working Space, Add	*22.67*	
40 05 23 23-0180	EA	1-1/4" Check Valve, Stainless Steel Type 316	423.18	39.23
		For Work In Restricted Working Space, Add	*23.54*	
40 05 23 23-0181	EA	1-1/2" Check Valve, Stainless Steel Type 316	955.10	42.75
		For Work In Restricted Working Space, Add	*25.64*	
40 05 23 23-0182	EA	2" Check Valve, Stainless Steel Type 316	1,157.81	58.55
		For Work In Restricted Working Space, Add	*35.13*	
40 05 23 23-0183	EA	2-1/2" Check Valve, Stainless Steel Type 316	2,275.67	187.48
		For Work In Restricted Working Space, Add	*112.45*	

40 05 23 23-0184 Diaphragm Valves, Ethylene Propylene Diene Monomer (EPDM) Lined *(40 05 23 23-0153)*

40 05 23 23-0185	EA	1/2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined	455.11	24.94
		For Work In Restricted Working Space, Add	*14.95*	
40 05 23 23-0186	EA	3/4" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined	531.79	28.57
		For Work In Restricted Working Space, Add	*17.14*	
40 05 23 23-0187	EA	1" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined	677.91	37.82
		For Work In Restricted Working Space, Add	*22.67*	
40 05 23 23-0188	EA	1-1/2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined	1,084.78	42.75
		For Work In Restricted Working Space, Add	*25.64*	
40 05 23 23-0189	EA	2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined	1,516.14	58.55
		For Work In Restricted Working Space, Add	*35.13*	

40 05 23 23-0190 Diaphragm Valves, Teflon Lined *(40 05 23 23-0153)*

40 05 23 23-0191	EA	1/2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined	605.00	24.94
		For Work In Restricted Working Space, Add	*14.95*	
40 05 23 23-0192	EA	3/4" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined	695.57	28.57
		For Work In Restricted Working Space, Add	*17.14*	
40 05 23 23-0193	EA	1" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined	841.69	37.82
		For Work In Restricted Working Space, Add	*22.67*	
40 05 23 23-0194	EA	1-1/2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined	1,315.17	42.75
		For Work In Restricted Working Space, Add	*25.64*	
40 05 23 23-0195	EA	2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined	1,790.94	58.55
		For Work In Restricted Working Space, Add	*35.13*	

40 05 23 23-0196 Strainers *(40 05 23 23-0153)*

40 05 23 23-0197	EA	1/2" Strainer, Stainless Steel Type 316	606.45	24.94
		For Work In Restricted Working Space, Add	*14.95*	
40 05 23 23-0198	EA	3/4" Strainer, Stainless Steel Type 316	726.07	28.69
		For Work In Restricted Working Space, Add	*17.21*	
40 05 23 23-0199	EA	1" Strainer, Stainless Steel Type 316	949.87	38.06
		For Work In Restricted Working Space, Add	*22.84*	
40 05 23 23-0200	EA	1-1/4" Strainer, Stainless Steel Type 316	1,181.62	39.23
		For Work In Restricted Working Space, Add	*23.54*	
40 05 23 23-0201	EA	1-1/2" Strainer, Stainless Steel Type 316	1,484.88	42.75
		For Work In Restricted Working Space, Add	*25.65*	
40 05 23 23-0202	EA	2" Strainer, Stainless Steel Type 316	2,142.22	58.55
		For Work In Restricted Working Space, Add	*35.13*	
40 05 23 23-0203	EA	2-1/2" Strainer, Stainless Steel Type 316	2,944.71	77.88
		For Work In Restricted Working Space, Add	*46.73*	
40 05 23 23-0204	EA	3" Strainer, Stainless Steel Type 316	4,287.31	117.10
		For Work In Restricted Working Space, Add	*70.26*	
40 05 23 23-0205	EA	4" Strainer, Stainless Steel Type 316	5,477.70	187.36
		For Work In Restricted Working Space, Add	*112.41*	

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LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0206		**Plug Valves** *(40 05 23 23-0153)*		
40 05 23 23-0207	EA	1/2" Plug Valve, Stainless Steel Type 316	646.68	24.94
		For Work In Restricted Working Space, Add	*14.95*	
40 05 23 23-0208	EA	3/4" Plug Valve, Stainless Steel Type 316	707.02	28.57
		For Work In Restricted Working Space, Add	*17.14*	
40 05 23 23-0209	EA	1" Plug Valve, Stainless Steel Type 316	796.19	37.82
		For Work In Restricted Working Space, Add	*22.67*	
40 05 23 23-0210	EA	1-1/2" Plug Valve, Stainless Steel Type 316	1,113.62	42.75
		For Work In Restricted Working Space, Add	*25.64*	
40 05 23 23-0211	EA	2" Plug Valve, Stainless Steel Type 316	1,447.83	58.55
		For Work In Restricted Working Space, Add	*35.13*	
40 05 23 23-0212		**Cut And Prepare Existing Pipe In-Place** *(40 05 23 23-0011)*		
		Note: For use when connecting pipe to an existing in-place system.		
40 05 23 23-0213	EA	Cut And Prepare 1/2" Stainless Steel Pipe	23.41	
40 05 23 23-0214	EA	Cut And Prepare 3/4" Stainless Steel Pipe	25.28	
40 05 23 23-0215	EA	Cut And Prepare 1" Stainless Steel Pipe	28.44	
40 05 23 23-0216	EA	Cut And Prepare 1-1/4" Stainless Steel Pipe	29.85	
40 05 23 23-0217	EA	Cut And Prepare 1-1/2" Stainless Steel Pipe	31.60	
40 05 23 23-0218	EA	Cut And Prepare 2" Stainless Steel Pipe	33.94	
40 05 23 23-0219	EA	Cut And Prepare 2-1/2" Stainless Steel Pipe	36.29	
40 05 23 23-0220	EA	Cut And Prepare 3" Stainless Steel Pipe	39.80	
40 05 23 23-0221	EA	Cut And Prepare 4" Stainless Steel Pipe	43.31	
40 05 23 23-0222	EA	Cut And Prepare 6" Stainless Steel Pipe	46.82	
40 05 23 23-0223	EA	Cut And Prepare 8" Stainless Steel Pipe	50.33	
40 05 23 23-0224	EA	Cut And Prepare 10" Stainless Steel Pipe	55.02	
40 05 23 23-0225	EA	Cut And Prepare 12" Stainless Steel Pipe	59.70	
40 05 23 23-0226	EA	Cut And Prepare 14" Stainless Steel Pipe	64.38	
40 05 23 23-0227	EA	Cut And Prepare 16" Stainless Steel Pipe	69.06	
40 05 23 23-0228	EA	Cut And Prepare 18" Stainless Steel Pipe	72.57	
40 05 23 23-0229	EA	Cut And Prepare 20" Stainless Steel Pipe	76.08	
40 05 23 23-0230	EA	Cut And Prepare 24" Stainless Steel Pipe	80.77	
40 05 23 23-0231		**Stainless Steel Pipe And Fittings** *(40 05 23 23)*		
40 05 23 23-0232		**Type 304, Schedule 40 Stainless Steel Pipe And 150 Lb. Threaded Fittings** *(40 05 23 23-0231)*		
40 05 23 23-0233		**Type 304, Schedule 40 Stainless Steel Threaded Pipe** *(40 05 23 23-0232)*		
40 05 23 23-0234	LF	1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting	16.47	5.04
		For Work In Restricted Working Space, Add	*3.02*	
40 05 23 23-0235	LF	3/4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting	20.31	6.33
		For Work In Restricted Working Space, Add	*3.78*	
40 05 23 23-0236	LF	1" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting	24.92	7.61
		For Work In Restricted Working Space, Add	*4.53*	
40 05 23 23-0237	LF	1-1/4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting	29.87	8.78
		For Work In Restricted Working Space, Add	*5.28*	
40 05 23 23-0238	LF	1-1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting	34.51	9.95
		For Work In Restricted Working Space, Add	*6.00*	
40 05 23 23-0239	LF	2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting	44.04	12.65
		For Work In Restricted Working Space, Add	*7.55*	
40 05 23 23-0240	LF	2-1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting	59.14	14.99
		For Work In Restricted Working Space, Add	*9.01*	
40 05 23 23-0241	LF	3" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting	74.34	18.86
		For Work In Restricted Working Space, Add	*11.33*	
40 05 23 23-0242	LF	4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting	100.45	24.94
		For Work In Restricted Working Space, Add	*14.95*	
40 05 23 23-0243		**150#, Type 304 Stainless Steel Threaded 90 Degree Elbows** *(40 05 23 23-0232)*		
40 05 23 23-0244	EA	1/2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	41.10	18.86
		For Work In Restricted Working Space, Add	*11.33*	
40 05 23 23-0245	EA	3/4", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	54.59	24.94
		For Work In Restricted Working Space, Add	*14.95*	
40 05 23 23-0246	EA	1", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	70.24	31.62
		For Work In Restricted Working Space, Add	*18.99*	
40 05 23 23-0247	EA	1-1/4", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	98.59	43.33
		For Work In Restricted Working Space, Add	*26.02*	
40 05 23 23-0248	EA	1-1/2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	117.61	50.93
		For Work In Restricted Working Space, Add	*30.55*	
40 05 23 23-0249	EA	2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	143.29	61.59
		For Work In Restricted Working Space, Add	*36.98*	
40 05 23 23-0250	EA	2-1/2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	240.79	97.55
		For Work In Restricted Working Space, Add	*58.55*	
40 05 23 23-0251	EA	3", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	309.94	125.88
		For Work In Restricted Working Space, Add	*75.55*	
40 05 23 23-0252	EA	4", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	425.69	156.10
		For Work In Restricted Working Space, Add	*93.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0253		**150#, Type 304 Stainless Steel Threaded 45 Degree Elbows** *(40 05 23 23-0232)*		
40 05 23 23-0254	EA	1/2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	41.87	18.86
		For Work In Restricted Working Space, Add	*11.33*	
40 05 23 23-0255	EA	3/4", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	55.83	24.94
		For Work In Restricted Working Space, Add	*14.95*	
40 05 23 23-0256	EA	1", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	70.63	31.62
		For Work In Restricted Working Space, Add	*18.99*	
40 05 23 23-0257	EA	1-1/4", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	98.44	43.33
		For Work In Restricted Working Space, Add	*26.02*	
40 05 23 23-0258	EA	1-1/2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	115.78	50.93
		For Work In Restricted Working Space, Add	*30.55*	
40 05 23 23-0259	EA	2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	142.87	61.59
		For Work In Restricted Working Space, Add	*36.98*	
40 05 23 23-0260	EA	2-1/2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	249.10	97.55
		For Work In Restricted Working Space, Add	*58.55*	
40 05 23 23-0261	EA	3", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	326.15	125.88
		For Work In Restricted Working Space, Add	*75.55*	
40 05 23 23-0262	EA	4", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	444.57	156.10
		For Work In Restricted Working Space, Add	*93.68*	
40 05 23 23-0263		**150#, Type 304 Stainless Steel Threaded Tees** *(40 05 23 23-0232)*		
40 05 23 23-0264	EA	1/2", 150#, Type 304 Stainless Steel Threaded Tee	61.65	28.57
		For Work In Restricted Working Space, Add	*17.14*	
40 05 23 23-0265	EA	3/4", 150#, Type 304 Stainless Steel Threaded Tee	82.73	37.82
		For Work In Restricted Working Space, Add	*22.67*	
40 05 23 23-0266	EA	1", 150#, Type 304 Stainless Steel Threaded Tee	102.82	46.85
		For Work In Restricted Working Space, Add	*28.10*	
40 05 23 23-0267	EA	1-1/4", 150#, Type 304 Stainless Steel Threaded Tee	148.29	65.11
		For Work In Restricted Working Space, Add	*39.03*	
40 05 23 23-0268	EA	1-1/2", 150#, Type 304 Stainless Steel Threaded Tee	168.98	73.18
		For Work In Restricted Working Space, Add	*43.91*	
40 05 23 23-0269	EA	2", 150#, Type 304 Stainless Steel Threaded Tee	224.19	97.55
		For Work In Restricted Working Space, Add	*58.55*	
40 05 23 23-0270	EA	2-1/2", 150#, Type 304 Stainless Steel Threaded Tee	344.41	141.11
		For Work In Restricted Working Space, Add	*84.65*	
40 05 23 23-0271	EA	3", 150#, Type 304 Stainless Steel Threaded Tee	467.43	188.88
		For Work In Restricted Working Space, Add	*113.33*	
40 05 23 23-0272	EA	4", 150#, Type 304 Stainless Steel Threaded Tee	630.39	234.21
		For Work In Restricted Working Space, Add	*140.52*	
40 05 23 23-0273		**150#, Type 304 Stainless Steel Threaded Reducers** *(40 05 23 23-0232)*		
40 05 23 23-0274	EA	3/4", 150#, Type 304 Stainless Steel Threaded Reducer	54.02	24.94
		For Work In Restricted Working Space, Add	*14.95*	
40 05 23 23-0275	EA	1", 150#, Type 304 Stainless Steel Threaded Reducer	69.02	31.62
		For Work In Restricted Working Space, Add	*18.99*	
40 05 23 23-0276	EA	1-1/4", 150#, Type 304 Stainless Steel Threaded Reducer	95.11	43.33
		For Work In Restricted Working Space, Add	*26.02*	
40 05 23 23-0277	EA	1-1/2", 150#, Type 304 Stainless Steel Threaded Reducer	113.88	50.93
		For Work In Restricted Working Space, Add	*30.55*	
40 05 23 23-0278	EA	2", 150#, Type 304 Stainless Steel Threaded Reducer	143.38	61.59
		For Work In Restricted Working Space, Add	*36.98*	
40 05 23 23-0279	EA	2-1/2", 150#, Type 304 Stainless Steel Threaded Reducer	238.33	97.55
		For Work In Restricted Working Space, Add	*58.55*	
40 05 23 23-0280	EA	3", 150#, Type 304 Stainless Steel Threaded Reducer	313.30	125.88
		For Work In Restricted Working Space, Add	*75.55*	
40 05 23 23-0281	EA	4", 150#, Type 304 Stainless Steel Threaded Reducer	414.09	156.10
		For Work In Restricted Working Space, Add	*93.68*	
40 05 23 23-0282		**150#, Type 304 Stainless Steel Threaded Caps** *(40 05 23 23-0232)*		
40 05 23 23-0283	EA	1/2", 150#, Type 304 Stainless Steel Threaded Cap	21.11	9.49
		For Work In Restricted Working Space, Add	*5.67*	
40 05 23 23-0284	EA	3/4", 150#, Type 304 Stainless Steel Threaded Cap	27.96	12.65
		For Work In Restricted Working Space, Add	*7.55*	
40 05 23 23-0285	EA	1", 150#, Type 304 Stainless Steel Threaded Cap	35.38	15.57
		For Work In Restricted Working Space, Add	*9.37*	
40 05 23 23-0286	EA	1-1/4", 150#, Type 304 Stainless Steel Threaded Cap	51.73	22.13
		For Work In Restricted Working Space, Add	*13.26*	
40 05 23 23-0287	EA	1-1/2", 150#, Type 304 Stainless Steel Threaded Cap	59.72	24.94
		For Work In Restricted Working Space, Add	*14.95*	
40 05 23 23-0288	EA	2", 150#, Type 304 Stainless Steel Threaded Cap	75.90	31.62
		For Work In Restricted Working Space, Add	*18.99*	
40 05 23 23-0289	EA	2-1/2", 150#, Type 304 Stainless Steel Threaded Cap	116.43	46.85
		For Work In Restricted Working Space, Add	*28.10*	
40 05 23 23-0290	EA	3", 150#, Type 304 Stainless Steel Threaded Cap	154.70	61.59
		For Work In Restricted Working Space, Add	*36.98*	
40 05 23 23-0291	EA	4", 150#, Type 304 Stainless Steel Threaded Cap	209.34	78.11
		For Work In Restricted Working Space, Add	*46.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0292		**150#, Type 304 Stainless Steel Threaded Unions** *(40 05 23 23-0232)*		
40 05 23 23-0293	EA	1/2", 150#, Type 304 Stainless Steel Threaded Union	66.47	28.57
		For Work In Restricted Working Space, Add	*17.14*	
40 05 23 23-0294	EA	3/4", 150#, Type 304 Stainless Steel Threaded Union	87.40	37.82
		For Work In Restricted Working Space, Add	*22.67*	
40 05 23 23-0295	EA	1", 150#, Type 304 Stainless Steel Threaded Union	111.58	46.85
		For Work In Restricted Working Space, Add	*28.10*	
40 05 23 23-0296	EA	1-1/4", 150#, Type 304 Stainless Steel Threaded Union	161.16	65.11
		For Work In Restricted Working Space, Add	*39.03*	
40 05 23 23-0297	EA	1-1/2", 150#, Type 304 Stainless Steel Threaded Union	181.47	73.18
		For Work In Restricted Working Space, Add	*43.91*	
40 05 23 23-0298	EA	2", 150#, Type 304 Stainless Steel Threaded Union	237.20	97.55
		For Work In Restricted Working Space, Add	*58.55*	
40 05 23 23-0299	EA	2-1/2", 150#, Type 304 Stainless Steel Threaded Union	406.60	146.38
		For Work In Restricted Working Space, Add	*87.83*	
40 05 23 23-0300	EA	3", 150#, Type 304 Stainless Steel Threaded Union	521.13	188.88
		For Work In Restricted Working Space, Add	*113.33*	
40 05 23 23-0301	EA	4", 150#, Type 304 Stainless Steel Threaded Union	545.00	156.16
		For Work In Restricted Working Space, Add	*93.69*	
40 05 23 23-0302		**150#, Type 304 Stainless Steel Threaded Couplings** *(40 05 23 23-0232)*		
40 05 23 23-0303	EA	1/2", 150#, Type 304 Stainless Steel Threaded Coupling	40.78	18.86
		For Work In Restricted Working Space, Add	*11.33*	
40 05 23 23-0304	EA	3/4", 150#, Type 304 Stainless Steel Threaded Coupling	54.17	24.94
		For Work In Restricted Working Space, Add	*14.95*	
40 05 23 23-0305	EA	1", 150#, Type 304 Stainless Steel Threaded Coupling	69.90	31.62
		For Work In Restricted Working Space, Add	*18.99*	
40 05 23 23-0306	EA	1-1/4", 150#, Type 304 Stainless Steel Threaded Coupling	97.23	43.33
		For Work In Restricted Working Space, Add	*26.02*	
40 05 23 23-0307	EA	1-1/2", 150#, Type 304 Stainless Steel Threaded Coupling	114.28	50.93
		For Work In Restricted Working Space, Add	*30.55*	
40 05 23 23-0308	EA	2", 150#, Type 304 Stainless Steel Threaded Coupling	140.82	61.59
		For Work In Restricted Working Space, Add	*36.98*	
40 05 23 23-0309	EA	2-1/2", 150#, Type 304 Stainless Steel Threaded Coupling	233.70	97.55
		For Work In Restricted Working Space, Add	*58.55*	
40 05 23 23-0310	EA	3", 150#, Type 304 Stainless Steel Threaded Coupling	301.64	125.88
		For Work In Restricted Working Space, Add	*75.55*	
40 05 23 23-0311	EA	4", 150#, Type 304 Stainless Steel Threaded Coupling	389.68	156.10
		For Work In Restricted Working Space, Add	*93.68*	
40 05 23 23-0312		**Type 316, Schedule 40 Stainless Steel Pipe And 150 Lb. Threaded Fittings** *(40 05 23 23-0231)*		
40 05 23 23-0313		**Type 316, Schedule 40 Stainless Steel Threaded Pipe** *(40 05 23 23-0312)*		
40 05 23 23-0314	LF	1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting	19.87	5.04
		For Work In Restricted Working Space, Add	*3.02*	
40 05 23 23-0315	LF	3/4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting	23.66	6.33
		For Work In Restricted Working Space, Add	*3.78*	
40 05 23 23-0316	LF	1" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting	29.73	7.61
		For Work In Restricted Working Space, Add	*4.53*	
40 05 23 23-0317	LF	1-1/4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting	36.16	8.78
		For Work In Restricted Working Space, Add	*5.28*	
40 05 23 23-0318	LF	1-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting	41.96	9.95
		For Work In Restricted Working Space, Add	*6.00*	
40 05 23 23-0319	LF	2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting	54.02	12.65
		For Work In Restricted Working Space, Add	*7.55*	
40 05 23 23-0320	LF	2-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting	73.09	14.99
		For Work In Restricted Working Space, Add	*9.01*	
40 05 23 23-0321	LF	3" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting	95.14	18.86
		For Work In Restricted Working Space, Add	*11.33*	
40 05 23 23-0322	LF	4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting	127.53	24.94
		For Work In Restricted Working Space, Add	*14.95*	
40 05 23 23-0323		**150#, Type 316 Stainless Steel Threaded 90 Degree Elbows** *(40 05 23 23-0312)*		
40 05 23 23-0324	EA	1/2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	42.11	18.86
		For Work In Restricted Working Space, Add	*11.33*	
40 05 23 23-0325	EA	3/4", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	56.09	24.94
		For Work In Restricted Working Space, Add	*14.95*	
40 05 23 23-0326	EA	1", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	71.16	31.62
		For Work In Restricted Working Space, Add	*18.99*	
40 05 23 23-0327	EA	1-1/4", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	100.24	43.33
		For Work In Restricted Working Space, Add	*26.02*	
40 05 23 23-0328	EA	1-1/2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	119.81	50.93
		For Work In Restricted Working Space, Add	*30.55*	
40 05 23 23-0329	EA	2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	146.01	61.59
		For Work In Restricted Working Space, Add	*36.98*	
40 05 23 23-0330	EA	2-1/2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	245.13	97.55
		For Work In Restricted Working Space, Add	*58.55*	
40 05 23 23-0331	EA	3", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	320.56	125.88
		For Work In Restricted Working Space, Add	*75.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0332	EA	4", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	438.59	156.10
		For Work In Restricted Working Space, Add	*93.68*	

40 05 23 23-0333 150#, Type 316 Stainless Steel Threaded 45 Degree Elbows *(40 05 23 23-0312)*

40 05 23 23-0334	EA	1/2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	42.92	18.86
		For Work In Restricted Working Space, Add	*11.33*	
40 05 23 23-0335	EA	3/4", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	56.60	24.94
		For Work In Restricted Working Space, Add	*14.95*	
40 05 23 23-0336	EA	1", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	71.76	31.62
		For Work In Restricted Working Space, Add	*18.99*	
40 05 23 23-0337	EA	1-1/4", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	100.07	43.33
		For Work In Restricted Working Space, Add	*26.02*	
40 05 23 23-0338	EA	1-1/2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	117.68	50.93
		For Work In Restricted Working Space, Add	*30.55*	
40 05 23 23-0339	EA	2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	145.41	61.59
		For Work In Restricted Working Space, Add	*36.98*	
40 05 23 23-0340	EA	2-1/2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	253.18	97.55
		For Work In Restricted Working Space, Add	*58.55*	
40 05 23 23-0341	EA	3", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	335.55	125.88
		For Work In Restricted Working Space, Add	*75.55*	
40 05 23 23-0342	EA	4", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	469.92	156.10
		For Work In Restricted Working Space, Add	*93.68*	

40 05 23 23-0343 150#, Type 316 Stainless Steel Threaded Tees *(40 05 23 23-0312)*

40 05 23 23-0344	EA	1/2", 150#, Type 316 Stainless Steel Threaded Tee	62.72	28.57
		For Work In Restricted Working Space, Add	*17.14*	
40 05 23 23-0345	EA	3/4", 150#, Type 316 Stainless Steel Threaded Tee	83.82	37.82
		For Work In Restricted Working Space, Add	*22.67*	
40 05 23 23-0346	EA	1", 150#, Type 316 Stainless Steel Threaded Tee	104.04	46.85
		For Work In Restricted Working Space, Add	*28.10*	
40 05 23 23-0347	EA	1-1/4", 150#, Type 316 Stainless Steel Threaded Tee	150.76	65.11
		For Work In Restricted Working Space, Add	*39.03*	
40 05 23 23-0348	EA	1-1/2", 150#, Type 316 Stainless Steel Threaded Tee	171.43	73.18
		For Work In Restricted Working Space, Add	*43.91*	
40 05 23 23-0349	EA	2", 150#, Type 316 Stainless Steel Threaded Tee	227.42	97.55
		For Work In Restricted Working Space, Add	*58.55*	
40 05 23 23-0350	EA	2-1/2", 150#, Type 316 Stainless Steel Threaded Tee	357.58	141.11
		For Work In Restricted Working Space, Add	*84.65*	
40 05 23 23-0351	EA	3", 150#, Type 316 Stainless Steel Threaded Tee	485.39	188.88
		For Work In Restricted Working Space, Add	*113.33*	
40 05 23 23-0352	EA	4", 150#, Type 316 Stainless Steel Threaded Tee	643.78	234.21
		For Work In Restricted Working Space, Add	*140.52*	

40 05 23 23-0353 150#, Type 316 Stainless Steel Threaded Reducers *(40 05 23 23-0312)*

40 05 23 23-0354	EA	3/4", 150#, Type 316 Stainless Steel Threaded Reducer	54.93	24.94
		For Work In Restricted Working Space, Add	*14.95*	
40 05 23 23-0355	EA	1", 150#, Type 316 Stainless Steel Threaded Reducer	71.74	31.62
		For Work In Restricted Working Space, Add	*18.99*	
40 05 23 23-0356	EA	1-1/4", 150#, Type 316 Stainless Steel Threaded Reducer	95.62	43.33
		For Work In Restricted Working Space, Add	*26.02*	
40 05 23 23-0357	EA	1-1/2", 150#, Type 316 Stainless Steel Threaded Reducer	116.55	50.93
		For Work In Restricted Working Space, Add	*30.55*	
40 05 23 23-0358	EA	2", 150#, Type 316 Stainless Steel Threaded Reducer	148.06	61.59
		For Work In Restricted Working Space, Add	*36.98*	
40 05 23 23-0359	EA	2-1/2", 150#, Type 316 Stainless Steel Threaded Reducer	248.97	97.55
		For Work In Restricted Working Space, Add	*58.55*	
40 05 23 23-0360	EA	3", 150#, Type 316 Stainless Steel Threaded Reducer	325.04	125.88
		For Work In Restricted Working Space, Add	*75.55*	
40 05 23 23-0361	EA	4", 150#, Type 316 Stainless Steel Threaded Reducer	433.68	156.10
		For Work In Restricted Working Space, Add	*93.68*	

40 05 23 23-0362 150#, Type 316 Stainless Steel Threaded Caps *(40 05 23 23-0312)*

40 05 23 23-0363	EA	1/2", 150#, Type 316 Stainless Steel Threaded Cap	21.71	9.49
		For Work In Restricted Working Space, Add	*5.67*	
40 05 23 23-0364	EA	3/4", 150#, Type 316 Stainless Steel Threaded Cap	28.40	12.65
		For Work In Restricted Working Space, Add	*7.55*	
40 05 23 23-0365	EA	1", 150#, Type 316 Stainless Steel Threaded Cap	36.18	15.57
		For Work In Restricted Working Space, Add	*9.37*	
40 05 23 23-0366	EA	1-1/4", 150#, Type 316 Stainless Steel Threaded Cap	53.93	22.13
		For Work In Restricted Working Space, Add	*13.26*	
40 05 23 23-0367	EA	1-1/2", 150#, Type 316 Stainless Steel Threaded Cap	62.32	24.94
		For Work In Restricted Working Space, Add	*14.95*	
40 05 23 23-0368	EA	2", 150#, Type 316 Stainless Steel Threaded Cap	79.30	31.62
		For Work In Restricted Working Space, Add	*18.99*	
40 05 23 23-0369	EA	2-1/2", 150#, Type 316 Stainless Steel Threaded Cap	122.04	46.85
		For Work In Restricted Working Space, Add	*28.10*	
40 05 23 23-0370	EA	3", 150#, Type 316 Stainless Steel Threaded Cap	160.40	61.59
		For Work In Restricted Working Space, Add	*36.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0371	EA	4", 150#, Type 316 Stainless Steel Threaded Cap	220.66	78.11
		For Work In Restricted Working Space, Add	*46.84*	

40 05 23 23-0372 150#, Type 316 Stainless Steel Threaded Unions *(40 05 23 23-0312)*

40 05 23 23-0373	EA	1/2", 150#, Type 316 Stainless Steel Threaded Union	67.76	28.57
		For Work In Restricted Working Space, Add	*17.14*	
40 05 23 23-0374	EA	3/4", 150#, Type 316 Stainless Steel Threaded Union	92.25	37.82
		For Work In Restricted Working Space, Add	*22.67*	
40 05 23 23-0375	EA	1", 150#, Type 316 Stainless Steel Threaded Union	114.03	46.85
		For Work In Restricted Working Space, Add	*28.10*	
40 05 23 23-0376	EA	1-1/4", 150#, Type 316 Stainless Steel Threaded Union	165.33	65.11
		For Work In Restricted Working Space, Add	*39.03*	
40 05 23 23-0377	EA	1-1/2", 150#, Type 316 Stainless Steel Threaded Union	186.34	73.18
		For Work In Restricted Working Space, Add	*43.91*	
40 05 23 23-0378	EA	2", 150#, Type 316 Stainless Steel Threaded Union	242.84	97.55
		For Work In Restricted Working Space, Add	*58.55*	
40 05 23 23-0379	EA	2-1/2", 150#, Type 316 Stainless Steel Threaded Union	415.25	146.38
		For Work In Restricted Working Space, Add	*87.83*	
40 05 23 23-0380	EA	3", 150#, Type 316 Stainless Steel Threaded Union	548.09	188.88
		For Work In Restricted Working Space, Add	*113.33*	
40 05 23 23-0381	EA	4", 150#, Type 316 Stainless Steel Threaded Union	602.45	156.16
		For Work In Restricted Working Space, Add	*93.69*	

40 05 23 23-0382 150#, Type 316 Stainless Steel Threaded Couplings *(40 05 23 23-0312)*

40 05 23 23-0383	EA	1/2", 150#, Type 316 Stainless Steel Threaded Coupling	42.81	18.86
		For Work In Restricted Working Space, Add	*11.33*	
40 05 23 23-0384	EA	3/4", 150#, Type 316 Stainless Steel Threaded Coupling	55.11	24.94
		For Work In Restricted Working Space, Add	*14.95*	
40 05 23 23-0385	EA	1", 150#, Type 316 Stainless Steel Threaded Coupling	70.80	31.62
		For Work In Restricted Working Space, Add	*18.99*	
40 05 23 23-0386	EA	1-1/4", 150#, Type 316 Stainless Steel Threaded Coupling	98.66	43.33
		For Work In Restricted Working Space, Add	*26.02*	
40 05 23 23-0387	EA	1-1/2", 150#, Type 316 Stainless Steel Threaded Coupling	115.99	50.93
		For Work In Restricted Working Space, Add	*30.55*	
40 05 23 23-0388	EA	2", 150#, Type 316 Stainless Steel Threaded Coupling	143.19	61.59
		For Work In Restricted Working Space, Add	*36.98*	
40 05 23 23-0389	EA	2-1/2", 150#, Type 316 Stainless Steel Threaded Coupling	241.99	97.55
		For Work In Restricted Working Space, Add	*58.55*	
40 05 23 23-0390	EA	3", 150#, Type 316 Stainless Steel Threaded Coupling	312.31	125.88
		For Work In Restricted Working Space, Add	*75.55*	
40 05 23 23-0391	EA	4", 150#, Type 316 Stainless Steel Threaded Coupling	405.70	156.10
		For Work In Restricted Working Space, Add	*93.68*	

40 05 23 23-0392 Type 304, Schedule 10 Stainless Steel Pipe And Butt Weld Fittings *(40 05 23 23-0231)*

40 05 23 23-0393 Type 304, Schedule 10 Stainless Steel Pipe *(40 05 23 23-0392)*

40 05 23 23-0394	LF	1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	18.18	4.94
		For Work In Restricted Working Space, Add	*2.96*	
40 05 23 23-0395	LF	3/4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	21.68	6.03
		For Work In Restricted Working Space, Add	*3.62*	
40 05 23 23-0396	LF	1" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	28.48	7.13
		For Work In Restricted Working Space, Add	*4.25*	
40 05 23 23-0397	LF	1-1/4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	34.82	8.88
		For Work In Restricted Working Space, Add	*5.30*	
40 05 23 23-0398	LF	1-1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	38.78	9.98
		For Work In Restricted Working Space, Add	*5.98*	
40 05 23 23-0399	LF	2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	47.97	12.38
		For Work In Restricted Working Space, Add	*7.41*	
40 05 23 23-0400	LF	2-1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	57.16	14.14
		For Work In Restricted Working Space, Add	*8.46*	
40 05 23 23-0401	LF	3" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	67.26	15.90
		For Work In Restricted Working Space, Add	*9.53*	
40 05 23 23-0402	LF	4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	84.16	18.86
		For Work In Restricted Working Space, Add	*11.28*	
40 05 23 23-0403	LF	6" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	122.05	24.77
		For Work In Restricted Working Space, Add	*14.81*	
40 05 23 23-0404	LF	8" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	207.09	44.74
		For Work In Restricted Working Space, Add	*28.75*	
40 05 23 23-0405	LF	10" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	262.09	49.19
		For Work In Restricted Working Space, Add	*31.62*	
40 05 23 23-0406	LF	12" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	312.41	54.69
		For Work In Restricted Working Space, Add	*35.14*	
40 05 23 23-0407	LF	14" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	382.60	61.49
		For Work In Restricted Working Space, Add	*39.53*	
40 05 23 23-0408	LF	16" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	422.04	70.27
		For Work In Restricted Working Space, Add	*45.17*	
40 05 23 23-0409	LF	18" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	473.86	81.99
		For Work In Restricted Working Space, Add	*52.70*	
40 05 23 23-0410	LF	20" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	653.19	98.38
		For Work In Restricted Working Space, Add	*63.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0411	LF	24" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	850.23	122.98
		For Work In Restricted Working Space, Add	*79.05*	

40 05 23 23-0412 Type 304, Schedule 10 Stainless Steel Butt Weld 90 Degree Elbow *(40 05 23 23-0392)*

40 05 23 23-0413	EA	1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	130.14	56.24
		For Work In Restricted Working Space, Add	*37.49*	
40 05 23 23-0414	EA	3/4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	137.83	59.69
		For Work In Restricted Working Space, Add	*39.79*	
40 05 23 23-0415	EA	1", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	151.88	65.60
		For Work In Restricted Working Space, Add	*43.73*	
40 05 23 23-0416	EA	1-1/4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	165.76	71.49
		For Work In Restricted Working Space, Add	*47.66*	
40 05 23 23-0417	EA	1-1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	183.09	78.95
		For Work In Restricted Working Space, Add	*52.64*	
40 05 23 23-0418	EA	2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	204.66	87.84
		For Work In Restricted Working Space, Add	*58.56*	
40 05 23 23-0419	EA	2-1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	266.01	112.42
		For Work In Restricted Working Space, Add	*74.95*	
40 05 23 23-0420	EA	3", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	312.02	131.76
		For Work In Restricted Working Space, Add	*87.83*	
40 05 23 23-0421	EA	4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	381.90	157.69
		For Work In Restricted Working Space, Add	*105.13*	
40 05 23 23-0422	EA	6", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	522.08	197.00
		For Work In Restricted Working Space, Add	*131.33*	
40 05 23 23-0423	EA	8", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	907.59	338.81
		For Work In Restricted Working Space, Add	*225.87*	
40 05 23 23-0424	EA	10", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	1,335.71	451.73
		For Work In Restricted Working Space, Add	*301.16*	
40 05 23 23-0425	EA	12", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	2,017.08	677.61
		For Work In Restricted Working Space, Add	*451.74*	
40 05 23 23-0426	EA	14", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	2,384.29	790.54
		For Work In Restricted Working Space, Add	*527.03*	
40 05 23 23-0427	EA	16", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	2,798.60	901.75
		For Work In Restricted Working Space, Add	*601.17*	
40 05 23 23-0428	EA	18", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	3,536.26	1,129.35
		For Work In Restricted Working Space, Add	*752.90*	
40 05 23 23-0429	EA	20", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	4,930.67	1,581.08
		For Work In Restricted Working Space, Add	*1,054.05*	
40 05 23 23-0430	EA	24", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	7,077.39	2,258.68
		For Work In Restricted Working Space, Add	*1,505.79*	

40 05 23 23-0431 Type 304, Schedule 10 Stainless Steel Butt Weld 45 Degree Elbow *(40 05 23 23-0392)*

40 05 23 23-0432	EA	1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	131.67	56.24
		For Work In Restricted Working Space, Add	*37.49*	
40 05 23 23-0433	EA	3/4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	139.36	59.69
		For Work In Restricted Working Space, Add	*39.79*	
40 05 23 23-0434	EA	1", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	153.71	65.60
		For Work In Restricted Working Space, Add	*43.73*	
40 05 23 23-0435	EA	1-1/4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	168.20	71.49
		For Work In Restricted Working Space, Add	*47.66*	
40 05 23 23-0436	EA	1-1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	183.39	78.95
		For Work In Restricted Working Space, Add	*52.64*	
40 05 23 23-0437	EA	2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	204.66	87.84
		For Work In Restricted Working Space, Add	*58.56*	
40 05 23 23-0438	EA	2-1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	264.48	112.42
		For Work In Restricted Working Space, Add	*74.95*	
40 05 23 23-0439	EA	3", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	309.27	131.76
		For Work In Restricted Working Space, Add	*87.83*	
40 05 23 23-0440	EA	4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	376.71	157.69
		For Work In Restricted Working Space, Add	*105.13*	
40 05 23 23-0441	EA	6", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	494.90	197.00
		For Work In Restricted Working Space, Add	*131.33*	
40 05 23 23-0442	EA	8", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	855.15	338.81
		For Work In Restricted Working Space, Add	*225.87*	
40 05 23 23-0443	EA	10", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	1,242.36	451.73
		For Work In Restricted Working Space, Add	*301.16*	
40 05 23 23-0444	EA	12", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	1,869.29	677.61
		For Work In Restricted Working Space, Add	*451.74*	
40 05 23 23-0445	EA	14", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	2,202.89	790.54
		For Work In Restricted Working Space, Add	*527.03*	
40 05 23 23-0446	EA	16", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	2,574.72	901.75
		For Work In Restricted Working Space, Add	*601.17*	
40 05 23 23-0447	EA	18", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	3,242.26	1,129.35
		For Work In Restricted Working Space, Add	*752.90*	
40 05 23 23-0448	EA	20", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	4,533.96	1,581.08
		For Work In Restricted Working Space, Add	*1,054.05*	
40 05 23 23-0449	EA	24", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	6,514.64	2,258.68
		For Work In Restricted Working Space, Add	*1,505.79*	

40 05 23 23-0450 Type 304, Schedule 10 Stainless Steel Butt Weld Tee *(40 05 23 23-0392)*

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LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0451	EA	1/2", Type 304, Schedule 10 Stainless Steel Tee	175.63	71.47
		For Work In Restricted Working Space, Add	*47.65*	
40 05 23 23-0452	EA	3/4", Type 304, Schedule 10 Stainless Steel Tee	211.77	87.74
		For Work In Restricted Working Space, Add	*58.49*	
40 05 23 23-0453	EA	1", Type 304, Schedule 10 Stainless Steel Tee	235.86	98.58
		For Work In Restricted Working Space, Add	*65.72*	
40 05 23 23-0454	EA	1-1/4", Type 304, Schedule 10 Stainless Steel Tee	268.48	112.42
		For Work In Restricted Working Space, Add	*74.95*	
40 05 23 23-0455	EA	1-1/2", Type 304, Schedule 10 Stainless Steel Tee	284.95	120.67
		For Work In Restricted Working Space, Add	*80.45*	
40 05 23 23-0456	EA	2", Type 304, Schedule 10 Stainless Steel Tee	310.49	131.61
		For Work In Restricted Working Space, Add	*87.74*	
40 05 23 23-0457	EA	2-1/2", Type 304, Schedule 10 Stainless Steel Tee	401.29	157.69
		For Work In Restricted Working Space, Add	*105.13*	
40 05 23 23-0458	EA	3", Type 304, Schedule 10 Stainless Steel Tee	472.17	197.63
		For Work In Restricted Working Space, Add	*131.75*	
40 05 23 23-0459	EA	4", Type 304, Schedule 10 Stainless Steel Tee	542.37	221.80
		For Work In Restricted Working Space, Add	*147.87*	
40 05 23 23-0460	EA	6", Type 304, Schedule 10 Stainless Steel Tee	788.83	295.73
		For Work In Restricted Working Space, Add	*197.16*	
40 05 23 23-0461	EA	8", Type 304, Schedule 10 Stainless Steel Tee	1,314.27	451.73
		For Work In Restricted Working Space, Add	*301.16*	
40 05 23 23-0462	EA	10", Type 304, Schedule 10 Stainless Steel Tee	2,017.08	677.61
		For Work In Restricted Working Space, Add	*451.74*	
40 05 23 23-0463	EA	12", Type 304, Schedule 10 Stainless Steel Tee	2,592.44	847.01
		For Work In Restricted Working Space, Add	*564.67*	
40 05 23 23-0464	EA	14", Type 304, Schedule 10 Stainless Steel Tee	3,187.92	1,017.86
		For Work In Restricted Working Space, Add	*678.57*	
40 05 23 23-0465	EA	16", Type 304, Schedule 10 Stainless Steel Tee	3,862.05	1,241.68
		For Work In Restricted Working Space, Add	*827.79*	
40 05 23 23-0466	EA	18", Type 304, Schedule 10 Stainless Steel Tee	4,914.37	1,581.08
		For Work In Restricted Working Space, Add	*1,054.05*	
40 05 23 23-0467	EA	20", Type 304, Schedule 10 Stainless Steel Tee	6,570.30	2,080.37
		For Work In Restricted Working Space, Add	*1,386.91*	
40 05 23 23-0468	EA	24", Type 304, Schedule 10 Stainless Steel Tee	9,851.88	3,162.16
		For Work In Restricted Working Space, Add	*2,108.10*	

40 05 23 23-0469 Type 304, Schedule 10 Stainless Steel Butt Weld Reducing Tees *(40 05 23 23-0392)*

40 05 23 23-0470	EA	3/4", Type 304, Schedule 10 Stainless Steel Reducing Tee	162.63	59.71
		For Work In Restricted Working Space, Add	*39.81*	
40 05 23 23-0471	EA	1", Type 304, Schedule 10 Stainless Steel Reducing Tee	192.53	73.17
		For Work In Restricted Working Space, Add	*48.78*	
40 05 23 23-0472	EA	1-1/4", Type 304, Schedule 10 Stainless Steel Reducing Tee	237.34	82.22
		For Work In Restricted Working Space, Add	*54.81*	
40 05 23 23-0473	EA	1-1/2", Type 304, Schedule 10 Stainless Steel Reducing Tee	245.85	93.72
		For Work In Restricted Working Space, Add	*62.48*	
40 05 23 23-0474	EA	2", Type 304, Schedule 10 Stainless Steel Reducing Tee	257.71	100.71
		For Work In Restricted Working Space, Add	*67.14*	
40 05 23 23-0475	EA	2-1/2", Type 304, Schedule 10 Stainless Steel Reducing Tee	335.84	109.75
		For Work In Restricted Working Space, Add	*73.17*	
40 05 23 23-0476	EA	3", Type 304, Schedule 10 Stainless Steel Reducing Tee	395.60	131.55
		For Work In Restricted Working Space, Add	*87.71*	
40 05 23 23-0477	EA	4", Type 304, Schedule 10 Stainless Steel Reducing Tee	487.57	164.43
		For Work In Restricted Working Space, Add	*109.62*	
40 05 23 23-0478	EA	6", Type 304, Schedule 10 Stainless Steel Reducing Tee	642.92	187.87
		For Work In Restricted Working Space, Add	*125.25*	
40 05 23 23-0479	EA	8", Type 304, Schedule 10 Stainless Steel Reducing Tee	1,223.80	282.34
		For Work In Restricted Working Space, Add	*188.22*	
40 05 23 23-0480	EA	10", Type 304, Schedule 10 Stainless Steel Reducing Tee	2,013.19	376.45
		For Work In Restricted Working Space, Add	*250.97*	
40 05 23 23-0481	EA	12", Type 304, Schedule 10 Stainless Steel Reducing Tee	2,877.76	564.67
		For Work In Restricted Working Space, Add	*376.45*	
40 05 23 23-0482	EA	14", Type 304, Schedule 10 Stainless Steel Reducing Tee	3,491.17	678.39
		For Work In Restricted Working Space, Add	*452.26*	
40 05 23 23-0483	EA	16", Type 304, Schedule 10 Stainless Steel Reducing Tee	4,323.19	827.50
		For Work In Restricted Working Space, Add	*551.67*	
40 05 23 23-0484	EA	18", Type 304, Schedule 10 Stainless Steel Reducing Tee	5,581.98	1,054.05
		For Work In Restricted Working Space, Add	*702.70*	
40 05 23 23-0485	EA	20", Type 304, Schedule 10 Stainless Steel Reducing Tee	7,933.47	1,386.91
		For Work In Restricted Working Space, Add	*924.61*	
40 05 23 23-0486	EA	24", Type 304, Schedule 10 Stainless Steel Reducing Tee	12,407.34	2,106.23
		For Work In Restricted Working Space, Add	*1,404.16*	

40 05 23 23-0487 Type 304, Schedule 10 Stainless Steel Butt Weld Reducers *(40 05 23 23-0392)*

40 05 23 23-0488	EA	3/4", Type 304, Schedule 10 Stainless Steel Concentric Reducer	131.05	54.30
		For Work In Restricted Working Space, Add	*36.20*	
40 05 23 23-0489	EA	1", Type 304, Schedule 10 Stainless Steel Concentric Reducer	144.33	59.17
		For Work In Restricted Working Space, Add	*39.45*	
40 05 23 23-0490	EA	1-1/4", Type 304, Schedule 10 Stainless Steel Concentric Reducer	159.99	65.60
		For Work In Restricted Working Space, Add	*43.73*	
40 05 23 23-0491	EA	1-1/2", Type 304, Schedule 10 Stainless Steel Concentric Reducer	170.17	71.49
		For Work In Restricted Working Space, Add	*47.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0492	EA	2", Type 304, Schedule 10 Stainless Steel Concentric Reducer	185.53	78.95
		For Work In Restricted Working Space, Add	*52.64*	
40 05 23 23-0493	EA	2-1/2", Type 304, Schedule 10 Stainless Steel Concentric Reducer	249.17	98.66
		For Work In Restricted Working Space, Add	*65.77*	
40 05 23 23-0494	EA	3", Type 304, Schedule 10 Stainless Steel Concentric Reducer	281.66	112.31
		For Work In Restricted Working Space, Add	*74.88*	
40 05 23 23-0495	EA	4", Type 304, Schedule 10 Stainless Steel Concentric Reducer	329.18	131.61
		For Work In Restricted Working Space, Add	*87.74*	
40 05 23 23-0496	EA	6", Type 304, Schedule 10 Stainless Steel Concentric Reducer	424.87	167.56
		For Work In Restricted Working Space, Add	*111.70*	
40 05 23 23-0497	EA	8", Type 304, Schedule 10 Stainless Steel Concentric Reducer	686.70	271.04
		For Work In Restricted Working Space, Add	*180.70*	
40 05 23 23-0498	EA	10", Type 304, Schedule 10 Stainless Steel Concentric Reducer	873.29	338.81
		For Work In Restricted Working Space, Add	*225.87*	
40 05 23 23-0499	EA	12", Type 304, Schedule 10 Stainless Steel Concentric Reducer	1,174.40	451.73
		For Work In Restricted Working Space, Add	*301.16*	
40 05 23 23-0500	EA	14", Type 304, Schedule 10 Stainless Steel Concentric Reducer	1,672.27	592.91
		For Work In Restricted Working Space, Add	*395.27*	
40 05 23 23-0501	EA	16", Type 304, Schedule 10 Stainless Steel Concentric Reducer	1,954.77	675.67
		For Work In Restricted Working Space, Add	*450.45*	
40 05 23 23-0502	EA	18", Type 304, Schedule 10 Stainless Steel Concentric Reducer	2,407.06	847.01
		For Work In Restricted Working Space, Add	*564.67*	
40 05 23 23-0503	EA	20", Type 304, Schedule 10 Stainless Steel Concentric Reducer	3,376.66	1,129.35
		For Work In Restricted Working Space, Add	*752.90*	
40 05 23 23-0504	EA	24", Type 304, Schedule 10 Stainless Steel Concentric Reducer	4,871.67	1,694.01
		For Work In Restricted Working Space, Add	*1,129.34*	
40 05 23 23-0505	EA	3/4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	159.77	54.30
		For Work In Restricted Working Space, Add	*36.20*	
40 05 23 23-0506	EA	1", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	165.40	59.17
		For Work In Restricted Working Space, Add	*39.45*	
40 05 23 23-0507	EA	1-1/4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	174.42	65.60
		For Work In Restricted Working Space, Add	*43.73*	
40 05 23 23-0508	EA	1-1/2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	196.44	71.49
		For Work In Restricted Working Space, Add	*47.66*	
40 05 23 23-0509	EA	2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	204.47	78.95
		For Work In Restricted Working Space, Add	*52.64*	
40 05 23 23-0510	EA	2-1/2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	269.94	98.66
		For Work In Restricted Working Space, Add	*65.77*	
40 05 23 23-0511	EA	3", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	302.12	112.31
		For Work In Restricted Working Space, Add	*74.88*	
40 05 23 23-0512	EA	4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	345.00	131.61
		For Work In Restricted Working Space, Add	*87.74*	
40 05 23 23-0513	EA	6", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	481.99	167.56
		For Work In Restricted Working Space, Add	*111.70*	
40 05 23 23-0514	EA	8", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	809.13	271.04
		For Work In Restricted Working Space, Add	*180.70*	
40 05 23 23-0515	EA	10", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	1,112.11	338.81
		For Work In Restricted Working Space, Add	*225.87*	
40 05 23 23-0516	EA	12", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	1,395.08	451.73
		For Work In Restricted Working Space, Add	*301.16*	
40 05 23 23-0517	EA	14", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	2,181.35	592.91
		For Work In Restricted Working Space, Add	*395.27*	
40 05 23 23-0518	EA	16", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	2,538.09	675.67
		For Work In Restricted Working Space, Add	*450.45*	
40 05 23 23-0519	EA	18", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	3,118.98	847.01
		For Work In Restricted Working Space, Add	*564.67*	
40 05 23 23-0520	EA	20", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	4,517.48	1,129.35
		For Work In Restricted Working Space, Add	*752.90*	
40 05 23 23-0521	EA	24", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	6,383.60	1,694.01
		For Work In Restricted Working Space, Add	*1,129.34*	

40 05 23 23-0522 Type 304, Schedule 10 Stainless Steel Butt Weld Caps *(40 05 23 23-0392)*

40 05 23 23-0523	EA	1/2", Type 304, Schedule 10 Stainless Steel Cap	71.96	28.12
		For Work In Restricted Working Space, Add	*18.75*	
40 05 23 23-0524	EA	3/4", Type 304, Schedule 10 Stainless Steel Cap	79.15	29.84
		For Work In Restricted Working Space, Add	*19.90*	
40 05 23 23-0525	EA	1", Type 304, Schedule 10 Stainless Steel Cap	86.94	32.80
		For Work In Restricted Working Space, Add	*21.87*	
40 05 23 23-0526	EA	1-1/4", Type 304, Schedule 10 Stainless Steel Cap	95.78	35.75
		For Work In Restricted Working Space, Add	*23.83*	
40 05 23 23-0527	EA	1-1/2", Type 304, Schedule 10 Stainless Steel Cap	102.70	39.47
		For Work In Restricted Working Space, Add	*26.32*	
40 05 23 23-0528	EA	2", Type 304, Schedule 10 Stainless Steel Cap	110.72	43.92
		For Work In Restricted Working Space, Add	*29.28*	
40 05 23 23-0529	EA	2-1/2", Type 304, Schedule 10 Stainless Steel Cap	143.85	56.21
		For Work In Restricted Working Space, Add	*37.47*	
40 05 23 23-0530	EA	3", Type 304, Schedule 10 Stainless Steel Cap	162.58	65.88
		For Work In Restricted Working Space, Add	*43.92*	
40 05 23 23-0531	EA	4", Type 304, Schedule 10 Stainless Steel Cap	196.00	78.85
		For Work In Restricted Working Space, Add	*52.57*	
40 05 23 23-0532	EA	6", Type 304, Schedule 10 Stainless Steel Cap	253.14	98.66
		For Work In Restricted Working Space, Add	*65.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0533	EA	8", Type 304, Schedule 10 Stainless Steel Cap	437.48	169.40
		For Work In Restricted Working Space, Add	*112.94*	
40 05 23 23-0534	EA	10", Type 304, Schedule 10 Stainless Steel Cap	582.56	225.87
		For Work In Restricted Working Space, Add	*150.58*	
40 05 23 23-0535	EA	12", Type 304, Schedule 10 Stainless Steel Cap	857.96	338.80
		For Work In Restricted Working Space, Add	*225.87*	
40 05 23 23-0536	EA	14", Type 304, Schedule 10 Stainless Steel Cap	1,007.15	395.27
		For Work In Restricted Working Space, Add	*263.51*	
40 05 23 23-0537	EA	16", Type 304, Schedule 10 Stainless Steel Cap	1,168.04	450.88
		For Work In Restricted Working Space, Add	*300.59*	
40 05 23 23-0538	EA	18", Type 304, Schedule 10 Stainless Steel Cap	1,475.42	564.67
		For Work In Restricted Working Space, Add	*376.45*	
40 05 23 23-0539	EA	20", Type 304, Schedule 10 Stainless Steel Cap	2,037.24	790.54
		For Work In Restricted Working Space, Add	*527.03*	
40 05 23 23-0540	EA	24", Type 304, Schedule 10 Stainless Steel Cap	3,003.88	1,129.33
		For Work In Restricted Working Space, Add	*752.90*	

40 05 23 23-0541 Type 304, Schedule 40 Stainless Steel Pipe And Butt Weld Fittings *(40 05 23 23-0231)*

40 05 23 23-0542 Type 304, Schedule 40 Stainless Steel Pipe *(40 05 23 23-0541)*

40 05 23 23-0543	LF	1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	20.22	4.94
		For Work In Restricted Working Space, Add	*2.96*	
40 05 23 23-0544	LF	3/4" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	24.58	6.03
		For Work In Restricted Working Space, Add	*3.62*	
40 05 23 23-0545	LF	1" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	30.05	7.13
		For Work In Restricted Working Space, Add	*4.25*	
40 05 23 23-0546	LF	1-1/4" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	37.55	8.77
		For Work In Restricted Working Space, Add	*5.30*	
40 05 23 23-0547	LF	1-1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	43.21	9.86
		For Work In Restricted Working Space, Add	*5.98*	
40 05 23 23-0548	LF	2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	55.26	12.61
		For Work In Restricted Working Space, Add	*7.41*	
40 05 23 23-0549	LF	2-1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	68.29	14.25
		For Work In Restricted Working Space, Add	*8.46*	
40 05 23 23-0550	LF	3" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	67.06	15.90
		For Work In Restricted Working Space, Add	*9.53*	
40 05 23 23-0551	LF	4" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	108.97	18.63
		For Work In Restricted Working Space, Add	*11.28*	
40 05 23 23-0552	LF	6" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	168.60	24.67
		For Work In Restricted Working Space, Add	*14.81*	
40 05 23 23-0553	LF	8" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	300.19	44.50
		For Work In Restricted Working Space, Add	*28.75*	
40 05 23 23-0554	LF	10" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	377.90	49.19
		For Work In Restricted Working Space, Add	*31.62*	
40 05 23 23-0555	LF	12" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	469.09	54.46
		For Work In Restricted Working Space, Add	*35.14*	

40 05 23 23-0556 Type 304, Schedule 40 Stainless Steel Butt Weld 90 Degree Elbows *(40 05 23 23-0541)*

40 05 23 23-0557	EA	1/2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	131.36	56.24
		For Work In Restricted Working Space, Add	*37.49*	
40 05 23 23-0558	EA	3/4", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	139.05	59.69
		For Work In Restricted Working Space, Add	*39.79*	
40 05 23 23-0559	EA	1", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	152.79	65.60
		For Work In Restricted Working Space, Add	*43.73*	
40 05 23 23-0560	EA	1-1/4", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	166.42	71.49
		For Work In Restricted Working Space, Add	*47.66*	
40 05 23 23-0561	EA	1-1/2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	183.70	78.95
		For Work In Restricted Working Space, Add	*52.64*	
40 05 23 23-0562	EA	2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	206.80	87.84
		For Work In Restricted Working Space, Add	*58.56*	
40 05 23 23-0563	EA	2-1/2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	273.95	112.42
		For Work In Restricted Working Space, Add	*74.95*	
40 05 23 23-0564	EA	3", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	323.63	131.76
		For Work In Restricted Working Space, Add	*87.83*	
40 05 23 23-0565	EA	4", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	401.45	157.69
		For Work In Restricted Working Space, Add	*105.13*	
40 05 23 23-0566	EA	6", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	647.00	197.00
		For Work In Restricted Working Space, Add	*131.33*	
40 05 23 23-0567	EA	8", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	1,077.81	338.81
		For Work In Restricted Working Space, Add	*225.87*	
40 05 23 23-0568	EA	10", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	1,681.08	451.73
		For Work In Restricted Working Space, Add	*301.16*	
40 05 23 23-0569	EA	12", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	2,465.03	677.61
		For Work In Restricted Working Space, Add	*451.74*	
40 05 23 23-0570	EA	14", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	2,927.72	790.54
		For Work In Restricted Working Space, Add	*527.03*	
40 05 23 23-0571	EA	16", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	3,496.71	901.75
		For Work In Restricted Working Space, Add	*601.17*	
40 05 23 23-0572	EA	18", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	4,506.27	1,129.35
		For Work In Restricted Working Space, Add	*752.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0573	EA	20", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	6,127.93	1,581.08
		For Work In Restricted Working Space, Add	*1,054.05*	
40 05 23 23-0574	EA	24", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	8,785.48	2,258.68
		For Work In Restricted Working Space, Add	*1,505.79*	
40 05 23 23-0575		Type 304, Schedule 40 Stainless Steel Butt Weld 45 Degree Elbows *(40 05 23 23-0541)*		
40 05 23 23-0576	EA	1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	133.50	56.24
		For Work In Restricted Working Space, Add	*37.49*	
40 05 23 23-0577	EA	3/4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	141.19	59.69
		For Work In Restricted Working Space, Add	*39.79*	
40 05 23 23-0578	EA	1", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	154.32	65.60
		For Work In Restricted Working Space, Add	*43.73*	
40 05 23 23-0579	EA	1-1/4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	167.98	71.49
		For Work In Restricted Working Space, Add	*47.66*	
40 05 23 23-0580	EA	1-1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	185.22	78.95
		For Work In Restricted Working Space, Add	*52.64*	
40 05 23 23-0581	EA	2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	207.12	87.84
		For Work In Restricted Working Space, Add	*58.56*	
40 05 23 23-0582	EA	2-1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	273.95	112.42
		For Work In Restricted Working Space, Add	*74.95*	
40 05 23 23-0583	EA	3", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	315.08	131.76
		For Work In Restricted Working Space, Add	*87.83*	
40 05 23 23-0584	EA	4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	406.03	157.69
		For Work In Restricted Working Space, Add	*105.13*	
40 05 23 23-0585	EA	6", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	542.85	197.00
		For Work In Restricted Working Space, Add	*131.33*	
40 05 23 23-0586	EA	8", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	968.62	338.81
		For Work In Restricted Working Space, Add	*225.87*	
40 05 23 23-0587	EA	10", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	1,408.29	451.73
		For Work In Restricted Working Space, Add	*301.16*	
40 05 23 23-0588	EA	12", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	2,062.61	677.61
		For Work In Restricted Working Space, Add	*451.74*	
40 05 23 23-0589	EA	14", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	2,339.22	790.54
		For Work In Restricted Working Space, Add	*527.03*	
40 05 23 23-0590	EA	16", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	2,796.03	901.75
		For Work In Restricted Working Space, Add	*601.17*	
40 05 23 23-0591	EA	18", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	3,528.75	1,129.35
		For Work In Restricted Working Space, Add	*752.90*	
40 05 23 23-0592	EA	20", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	4,808.91	1,581.08
		For Work In Restricted Working Space, Add	*1,054.05*	
40 05 23 23-0593	EA	24", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	6,981.49	2,258.68
		For Work In Restricted Working Space, Add	*1,505.79*	
40 05 23 23-0594		Type 304, Schedule 40 Stainless Steel Butt Weld Tees *(40 05 23 23-0541)*		
40 05 23 23-0595	EA	1/2", Type 304, Schedule 40 Stainless Steel Tee	176.85	71.47
		For Work In Restricted Working Space, Add	*47.65*	
40 05 23 23-0596	EA	3/4", Type 304, Schedule 40 Stainless Steel Tee	212.99	87.74
		For Work In Restricted Working Space, Add	*58.49*	
40 05 23 23-0597	EA	1", Type 304, Schedule 40 Stainless Steel Tee	237.08	98.58
		For Work In Restricted Working Space, Add	*65.72*	
40 05 23 23-0598	EA	1-1/4", Type 304, Schedule 40 Stainless Steel Tee	271.59	112.42
		For Work In Restricted Working Space, Add	*74.95*	
40 05 23 23-0599	EA	1-1/2", Type 304, Schedule 40 Stainless Steel Tee	286.17	120.67
		For Work In Restricted Working Space, Add	*80.45*	
40 05 23 23-0600	EA	2", Type 304, Schedule 40 Stainless Steel Tee	312.02	131.61
		For Work In Restricted Working Space, Add	*87.74*	
40 05 23 23-0601	EA	2-1/2", Type 304, Schedule 40 Stainless Steel Tee	405.42	157.69
		For Work In Restricted Working Space, Add	*105.13*	
40 05 23 23-0602	EA	3", Type 304, Schedule 40 Stainless Steel Tee	478.58	197.63
		For Work In Restricted Working Space, Add	*131.75*	
40 05 23 23-0603	EA	4", Type 304, Schedule 40 Stainless Steel Tee	549.39	221.80
		For Work In Restricted Working Space, Add	*147.87*	
40 05 23 23-0604	EA	6", Type 304, Schedule 40 Stainless Steel Tee	837.39	295.73
		For Work In Restricted Working Space, Add	*197.16*	
40 05 23 23-0605	EA	8", Type 304, Schedule 40 Stainless Steel Tee	1,458.42	451.73
		For Work In Restricted Working Space, Add	*301.16*	
40 05 23 23-0606	EA	10", Type 304, Schedule 40 Stainless Steel Tee	2,459.44	677.61
		For Work In Restricted Working Space, Add	*451.74*	
40 05 23 23-0607	EA	12", Type 304, Schedule 40 Stainless Steel Tee	3,058.87	847.01
		For Work In Restricted Working Space, Add	*564.67*	
40 05 23 23-0608	EA	14", Type 304, Schedule 40 Stainless Steel Tee	4,127.79	1,017.86
		For Work In Restricted Working Space, Add	*678.57*	
40 05 23 23-0609	EA	16", Type 304, Schedule 40 Stainless Steel Tee	5,234.21	1,241.68
		For Work In Restricted Working Space, Add	*827.79*	
40 05 23 23-0610	EA	18", Type 304, Schedule 40 Stainless Steel Tee	6,777.42	1,581.08
		For Work In Restricted Working Space, Add	*1,054.05*	
40 05 23 23-0611	EA	20", Type 304, Schedule 40 Stainless Steel Tee	8,755.61	2,080.37
		For Work In Restricted Working Space, Add	*1,386.91*	
40 05 23 23-0612	EA	24", Type 304, Schedule 40 Stainless Steel Tee	13,401.09	3,162.16
		For Work In Restricted Working Space, Add	*2,108.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0613		**Type 304, Schedule 40 Stainless Steel Butt Weld Reducing Tees** *(40 05 23 23-0541)*		
40 05 23 23-0614	EA	3/4", Type 304, Schedule 40 Stainless Steel Reducing Tee	166.60	59.71
		For Work In Restricted Working Space, Add	*39.81*	
40 05 23 23-0615	EA	1", Type 304, Schedule 40 Stainless Steel Reducing Tee	196.50	73.17
		For Work In Restricted Working Space, Add	*48.78*	
40 05 23 23-0616	EA	1-1/4", Type 304, Schedule 40 Stainless Steel Reducing Tee	256.45	82.22
		For Work In Restricted Working Space, Add	*54.81*	
40 05 23 23-0617	EA	1-1/2", Type 304, Schedule 40 Stainless Steel Reducing Tee	251.65	93.72
		For Work In Restricted Working Space, Add	*62.48*	
40 05 23 23-0618	EA	2", Type 304, Schedule 40 Stainless Steel Reducing Tee	257.71	100.71
		For Work In Restricted Working Space, Add	*67.14*	
40 05 23 23-0619	EA	2-1/2", Type 304, Schedule 40 Stainless Steel Reducing Tee	316.32	109.75
		For Work In Restricted Working Space, Add	*73.17*	
40 05 23 23-0620	EA	3", Type 304, Schedule 40 Stainless Steel Reducing Tee	352.53	131.55
		For Work In Restricted Working Space, Add	*87.71*	
40 05 23 23-0621	EA	4", Type 304, Schedule 40 Stainless Steel Reducing Tee	464.97	164.43
		For Work In Restricted Working Space, Add	*109.62*	
40 05 23 23-0622	EA	6", Type 304, Schedule 40 Stainless Steel Reducing Tee	646.58	187.87
		For Work In Restricted Working Space, Add	*125.25*	
40 05 23 23-0623	EA	8", Type 304, Schedule 40 Stainless Steel Reducing Tee	1,094.16	282.34
		For Work In Restricted Working Space, Add	*188.22*	
40 05 23 23-0624	EA	10", Type 304, Schedule 40 Stainless Steel Reducing Tee	2,053.76	376.45
		For Work In Restricted Working Space, Add	*250.97*	
40 05 23 23-0625	EA	12", Type 304, Schedule 40 Stainless Steel Reducing Tee	2,958.91	564.67
		For Work In Restricted Working Space, Add	*376.45*	
40 05 23 23-0626	EA	14", Type 304, Schedule 40 Stainless Steel Reducing Tee	3,377.31	678.39
		For Work In Restricted Working Space, Add	*452.26*	
40 05 23 23-0627	EA	16", Type 304, Schedule 40 Stainless Steel Reducing Tee	4,180.59	827.50
		For Work In Restricted Working Space, Add	*551.67*	
40 05 23 23-0628	EA	18", Type 304, Schedule 40 Stainless Steel Reducing Tee	5,396.03	1,054.05
		For Work In Restricted Working Space, Add	*702.70*	
40 05 23 23-0629	EA	20", Type 304, Schedule 40 Stainless Steel Reducing Tee	7,655.00	1,386.91
		For Work In Restricted Working Space, Add	*924.61*	
40 05 23 23-0630	EA	24", Type 304, Schedule 40 Stainless Steel Reducing Tee	11,963.83	2,106.23
		For Work In Restricted Working Space, Add	*1,404.16*	
40 05 23 23-0631		**Type 304, Schedule 40 Stainless Steel Butt Weld Reducers** *(40 05 23 23-0541)*		
40 05 23 23-0632	EA	3/4", Type 304, Schedule 40 Stainless Steel Concentric Reducer	134.11	54.30
		For Work In Restricted Working Space, Add	*36.20*	
40 05 23 23-0633	EA	1", Type 304, Schedule 40 Stainless Steel Concentric Reducer	147.38	59.17
		For Work In Restricted Working Space, Add	*39.45*	
40 05 23 23-0634	EA	1-1/4", Type 304, Schedule 40 Stainless Steel Concentric Reducer	160.21	65.60
		For Work In Restricted Working Space, Add	*43.73*	
40 05 23 23-0635	EA	1-1/2", Type 304, Schedule 40 Stainless Steel Concentric Reducer	173.23	71.49
		For Work In Restricted Working Space, Add	*47.66*	
40 05 23 23-0636	EA	2", Type 304, Schedule 40 Stainless Steel Concentric Reducer	187.36	78.95
		For Work In Restricted Working Space, Add	*52.64*	
40 05 23 23-0637	EA	2-1/2", Type 304, Schedule 40 Stainless Steel Concentric Reducer	249.17	98.66
		For Work In Restricted Working Space, Add	*65.77*	
40 05 23 23-0638	EA	3", Type 304, Schedule 40 Stainless Steel Concentric Reducer	270.66	112.31
		For Work In Restricted Working Space, Add	*74.88*	
40 05 23 23-0639	EA	4", Type 304, Schedule 40 Stainless Steel Concentric Reducer	313.54	131.61
		For Work In Restricted Working Space, Add	*87.74*	
40 05 23 23-0640	EA	6", Type 304, Schedule 40 Stainless Steel Concentric Reducer	427.32	167.56
		For Work In Restricted Working Space, Add	*111.70*	
40 05 23 23-0641	EA	8", Type 304, Schedule 40 Stainless Steel Concentric Reducer	738.56	271.04
		For Work In Restricted Working Space, Add	*180.70*	
40 05 23 23-0642	EA	10", Type 304, Schedule 40 Stainless Steel Concentric Reducer	962.36	338.81
		For Work In Restricted Working Space, Add	*225.87*	
40 05 23 23-0643	EA	12", Type 304, Schedule 40 Stainless Steel Concentric Reducer	1,253.89	451.73
		For Work In Restricted Working Space, Add	*301.16*	
40 05 23 23-0644	EA	14", Type 304, Schedule 40 Stainless Steel Concentric Reducer	1,850.67	592.91
		For Work In Restricted Working Space, Add	*395.27*	
40 05 23 23-0645	EA	16", Type 304, Schedule 40 Stainless Steel Concentric Reducer	2,179.03	675.67
		For Work In Restricted Working Space, Add	*450.45*	
40 05 23 23-0646	EA	18", Type 304, Schedule 40 Stainless Steel Concentric Reducer	2,861.20	847.01
		For Work In Restricted Working Space, Add	*564.67*	
40 05 23 23-0647	EA	20", Type 304, Schedule 40 Stainless Steel Concentric Reducer	3,912.34	1,129.35
		For Work In Restricted Working Space, Add	*752.90*	
40 05 23 23-0648	EA	24", Type 304, Schedule 40 Stainless Steel Concentric Reducer	5,426.42	1,694.01
		For Work In Restricted Working Space, Add	*1,129.34*	
40 05 23 23-0649	EA	3/4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	161.01	54.30
		For Work In Restricted Working Space, Add	*36.20*	
40 05 23 23-0650	EA	1", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	171.82	59.17
		For Work In Restricted Working Space, Add	*39.45*	
40 05 23 23-0651	EA	1-1/4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	196.42	65.60
		For Work In Restricted Working Space, Add	*43.73*	
40 05 23 23-0652	EA	1-1/2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	207.74	71.49
		For Work In Restricted Working Space, Add	*47.66*	
40 05 23 23-0653	EA	2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	221.88	78.95
		For Work In Restricted Working Space, Add	*52.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0654	EA	2-1/2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	269.94	98.66
		For Work In Restricted Working Space, Add	*65.77*	
40 05 23 23-0655	EA	3", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	340.00	112.31
		For Work In Restricted Working Space, Add	*74.88*	
40 05 23 23-0656	EA	4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	370.66	131.61
		For Work In Restricted Working Space, Add	*87.74*	
40 05 23 23-0657	EA	6", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	507.34	167.56
		For Work In Restricted Working Space, Add	*111.70*	
40 05 23 23-0658	EA	8", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	811.79	271.04
		For Work In Restricted Working Space, Add	*180.70*	
40 05 23 23-0659	EA	10", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	1,109.80	338.81
		For Work In Restricted Working Space, Add	*225.87*	
40 05 23 23-0660	EA	12", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	1,515.15	451.73
		For Work In Restricted Working Space, Add	*301.16*	
40 05 23 23-0661	EA	14", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	2,491.04	592.91
		For Work In Restricted Working Space, Add	*395.27*	
40 05 23 23-0662	EA	16", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	2,825.33	675.67
		For Work In Restricted Working Space, Add	*450.45*	
40 05 23 23-0663	EA	18", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	3,697.32	847.01
		For Work In Restricted Working Space, Add	*564.67*	
40 05 23 23-0664	EA	20", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	4,802.90	1,129.35
		For Work In Restricted Working Space, Add	*752.90*	
40 05 23 23-0665	EA	24", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	7,648.69	1,694.01
		For Work In Restricted Working Space, Add	*1,129.34*	

40 05 23 23-0666 Type 304, Schedule 40 Stainless Steel Butt Weld Caps *(40 05 23 23-0541)*

40 05 23 23-0667	EA	1/2", Type 304, Schedule 40 Stainless Steel Cap	72.87	28.12
		For Work In Restricted Working Space, Add	*18.75*	
40 05 23 23-0668	EA	3/4", Type 304, Schedule 40 Stainless Steel Cap	78.23	29.84
		For Work In Restricted Working Space, Add	*19.90*	
40 05 23 23-0669	EA	1", Type 304, Schedule 40 Stainless Steel Cap	87.86	32.80
		For Work In Restricted Working Space, Add	*21.87*	
40 05 23 23-0670	EA	1-1/4", Type 304, Schedule 40 Stainless Steel Cap	99.87	35.75
		For Work In Restricted Working Space, Add	*23.83*	
40 05 23 23-0671	EA	1-1/2", Type 304, Schedule 40 Stainless Steel Cap	106.67	39.47
		For Work In Restricted Working Space, Add	*26.32*	
40 05 23 23-0672	EA	2", Type 304, Schedule 40 Stainless Steel Cap	110.42	43.92
		For Work In Restricted Working Space, Add	*29.28*	
40 05 23 23-0673	EA	2-1/2", Type 304, Schedule 40 Stainless Steel Cap	141.79	56.21
		For Work In Restricted Working Space, Add	*37.47*	
40 05 23 23-0674	EA	3", Type 304, Schedule 40 Stainless Steel Cap	163.80	65.88
		For Work In Restricted Working Space, Add	*43.92*	
40 05 23 23-0675	EA	4", Type 304, Schedule 40 Stainless Steel Cap	199.66	78.85
		For Work In Restricted Working Space, Add	*52.57*	
40 05 23 23-0676	EA	6", Type 304, Schedule 40 Stainless Steel Cap	275.74	98.66
		For Work In Restricted Working Space, Add	*65.77*	
40 05 23 23-0677	EA	8", Type 304, Schedule 40 Stainless Steel Cap	473.77	169.40
		For Work In Restricted Working Space, Add	*112.94*	
40 05 23 23-0678	EA	10", Type 304, Schedule 40 Stainless Steel Cap	633.88	225.87
		For Work In Restricted Working Space, Add	*150.58*	
40 05 23 23-0679	EA	12", Type 304, Schedule 40 Stainless Steel Cap	955.75	338.80
		For Work In Restricted Working Space, Add	*225.87*	
40 05 23 23-0680	EA	14", Type 304, Schedule 40 Stainless Steel Cap	1,096.73	395.27
		For Work In Restricted Working Space, Add	*263.51*	
40 05 23 23-0681	EA	16", Type 304, Schedule 40 Stainless Steel Cap	1,291.27	450.88
		For Work In Restricted Working Space, Add	*300.59*	
40 05 23 23-0682	EA	18", Type 304, Schedule 40 Stainless Steel Cap	1,621.48	564.67
		For Work In Restricted Working Space, Add	*376.45*	
40 05 23 23-0683	EA	20", Type 304, Schedule 40 Stainless Steel Cap	2,232.02	790.54
		For Work In Restricted Working Space, Add	*527.03*	
40 05 23 23-0684	EA	24", Type 304, Schedule 40 Stainless Steel Cap	3,329.54	1,129.33
		For Work In Restricted Working Space, Add	*752.90*	

40 05 23 23-0685 Type 316, Schedule 10 Stainless Steel Pipe And Butt Weld Fittings *(40 05 23 23-0231)*

40 05 23 23-0686 Type 316, Schedule 10 Stainless Steel Pipe *(40 05 23 23-0685)*

40 05 23 23-0687	LF	1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	20.77	4.94
		For Work In Restricted Working Space, Add	*2.96*	
40 05 23 23-0688	LF	3/4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	24.69	6.03
		For Work In Restricted Working Space, Add	*3.62*	
40 05 23 23-0689	LF	1" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	32.96	7.13
		For Work In Restricted Working Space, Add	*4.25*	
40 05 23 23-0690	LF	1-1/4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	40.18	8.88
		For Work In Restricted Working Space, Add	*5.30*	
40 05 23 23-0691	LF	1-1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	44.66	9.98
		For Work In Restricted Working Space, Add	*5.98*	
40 05 23 23-0692	LF	2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	55.23	12.38
		For Work In Restricted Working Space, Add	*7.41*	
40 05 23 23-0693	LF	2-1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	66.20	14.14
		For Work In Restricted Working Space, Add	*8.46*	
40 05 23 23-0694	LF	3" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	78.34	15.90
		For Work In Restricted Working Space, Add	*9.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0695	LF	4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	98.70	18.86
		For Work In Restricted Working Space, Add	*11.28*	
40 05 23 23-0696	LF	6" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	144.74	24.77
		For Work In Restricted Working Space, Add	*14.81*	
40 05 23 23-0697	LF	8" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	241.84	44.74
		For Work In Restricted Working Space, Add	*28.75*	
40 05 23 23-0698	LF	10" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	311.02	49.19
		For Work In Restricted Working Space, Add	*31.62*	
40 05 23 23-0699	LF	12" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	373.40	54.69
		For Work In Restricted Working Space, Add	*35.14*	
40 05 23 23-0700	LF	14" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	460.93	61.49
		For Work In Restricted Working Space, Add	*39.53*	
40 05 23 23-0701	LF	16" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	506.82	70.27
		For Work In Restricted Working Space, Add	*45.17*	
40 05 23 23-0702	LF	18" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	566.99	81.99
		For Work In Restricted Working Space, Add	*52.70*	
40 05 23 23-0703	LF	20" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	791.34	98.38
		For Work In Restricted Working Space, Add	*63.24*	
40 05 23 23-0704	LF	24" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	1,033.46	122.98
		For Work In Restricted Working Space, Add	*79.05*	
40 05 23 23-0705		Type 316, Schedule 10 Stainless Steel Butt Weld 90 Degree Elbows *(40 05 23 23-0685)*		
40 05 23 23-0706	EA	1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	131.67	56.24
		For Work In Restricted Working Space, Add	*37.49*	
40 05 23 23-0707	EA	3/4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	139.36	59.69
		For Work In Restricted Working Space, Add	*39.79*	
40 05 23 23-0708	EA	1", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	153.71	65.60
		For Work In Restricted Working Space, Add	*43.73*	
40 05 23 23-0709	EA	1-1/4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	168.42	71.49
		For Work In Restricted Working Space, Add	*47.66*	
40 05 23 23-0710	EA	1-1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	184.92	78.95
		For Work In Restricted Working Space, Add	*52.64*	
40 05 23 23-0711	EA	2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	206.80	87.84
		For Work In Restricted Working Space, Add	*58.56*	
40 05 23 23-0712	EA	2-1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	269.98	112.42
		For Work In Restricted Working Space, Add	*74.95*	
40 05 23 23-0713	EA	3", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	317.83	131.76
		For Work In Restricted Working Space, Add	*87.83*	
40 05 23 23-0714	EA	4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	390.76	157.69
		For Work In Restricted Working Space, Add	*105.13*	
40 05 23 23-0715	EA	6", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	545.29	197.00
		For Work In Restricted Working Space, Add	*131.33*	
40 05 23 23-0716	EA	8", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	950.81	338.81
		For Work In Restricted Working Space, Add	*225.87*	
40 05 23 23-0717	EA	10", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	1,435.64	451.73
		For Work In Restricted Working Space, Add	*301.16*	
40 05 23 23-0718	EA	12", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	2,153.32	677.61
		For Work In Restricted Working Space, Add	*451.74*	
40 05 23 23-0719	EA	14", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	2,512.49	790.54
		For Work In Restricted Working Space, Add	*527.03*	
40 05 23 23-0720	EA	16", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	3,001.38	901.75
		For Work In Restricted Working Space, Add	*601.17*	
40 05 23 23-0721	EA	18", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	3,779.42	1,129.35
		For Work In Restricted Working Space, Add	*752.90*	
40 05 23 23-0722	EA	20", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	5,278.03	1,581.08
		For Work In Restricted Working Space, Add	*1,054.05*	
40 05 23 23-0723	EA	24", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	7,593.55	2,258.68
		For Work In Restricted Working Space, Add	*1,505.79*	
40 05 23 23-0724		Type 316, Schedule 10 Stainless Steel Butt Weld 45 Degree Elbows *(40 05 23 23-0685)*		
40 05 23 23-0725	EA	1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	133.50	56.24
		For Work In Restricted Working Space, Add	*37.49*	
40 05 23 23-0726	EA	3/4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	141.19	59.69
		For Work In Restricted Working Space, Add	*39.79*	
40 05 23 23-0727	EA	1", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	155.54	65.60
		For Work In Restricted Working Space, Add	*43.73*	
40 05 23 23-0728	EA	1-1/4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	170.87	71.49
		For Work In Restricted Working Space, Add	*47.66*	
40 05 23 23-0729	EA	1-1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	184.92	78.95
		For Work In Restricted Working Space, Add	*52.64*	
40 05 23 23-0730	EA	2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	206.80	87.84
		For Work In Restricted Working Space, Add	*58.56*	
40 05 23 23-0731	EA	2-1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	268.15	112.42
		For Work In Restricted Working Space, Add	*74.95*	
40 05 23 23-0732	EA	3", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	315.08	131.76
		For Work In Restricted Working Space, Add	*87.83*	
40 05 23 23-0733	EA	4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	384.34	157.69
		For Work In Restricted Working Space, Add	*105.13*	
40 05 23 23-0734	EA	6", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	507.42	197.00
		For Work In Restricted Working Space, Add	*131.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0735	EA	8", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	882.85	338.81
		For Work In Restricted Working Space, Add	*225.87*	
40 05 23 23-0736	EA	10", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	1,408.29	451.73
		For Work In Restricted Working Space, Add	*301.16*	
40 05 23 23-0737	EA	12", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	2,062.61	677.61
		For Work In Restricted Working Space, Add	*451.74*	
40 05 23 23-0738	EA	14", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	2,427.49	790.54
		For Work In Restricted Working Space, Add	*527.03*	
40 05 23 23-0739	EA	16", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	2,845.53	901.75
		For Work In Restricted Working Space, Add	*601.17*	
40 05 23 23-0740	EA	18", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	3,595.89	1,129.35
		For Work In Restricted Working Space, Add	*752.90*	
40 05 23 23-0741	EA	20", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	5,113.12	1,581.08
		For Work In Restricted Working Space, Add	*1,054.05*	
40 05 23 23-0742	EA	24", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	7,373.91	2,258.68
		For Work In Restricted Working Space, Add	*1,505.79*	

40 05 23 23-0743 Type 316, Schedule 10 Stainless Steel Butt Weld Tees *(40 05 23 23-0685)*

40 05 23 23-0744	EA	1/2", Type 316, Schedule 10 Stainless Steel Tee	179.60	71.47
		For Work In Restricted Working Space, Add	*47.65*	
40 05 23 23-0745	EA	3/4", Type 316, Schedule 10 Stainless Steel Tee	215.74	87.74
		For Work In Restricted Working Space, Add	*58.49*	
40 05 23 23-0746	EA	1", Type 316, Schedule 10 Stainless Steel Tee	239.83	98.58
		For Work In Restricted Working Space, Add	*65.72*	
40 05 23 23-0747	EA	1-1/4", Type 316, Schedule 10 Stainless Steel Tee	275.81	112.42
		For Work In Restricted Working Space, Add	*74.95*	
40 05 23 23-0748	EA	1-1/2", Type 316, Schedule 10 Stainless Steel Tee	290.75	120.67
		For Work In Restricted Working Space, Add	*80.45*	
40 05 23 23-0749	EA	2", Type 316, Schedule 10 Stainless Steel Tee	315.68	131.61
		For Work In Restricted Working Space, Add	*87.74*	
40 05 23 23-0750	EA	2-1/2", Type 316, Schedule 10 Stainless Steel Tee	384.65	157.69
		For Work In Restricted Working Space, Add	*105.13*	
40 05 23 23-0751	EA	3", Type 316, Schedule 10 Stainless Steel Tee	482.25	197.63
		For Work In Restricted Working Space, Add	*131.75*	
40 05 23 23-0752	EA	4", Type 316, Schedule 10 Stainless Steel Tee	556.11	221.80
		For Work In Restricted Working Space, Add	*147.87*	
40 05 23 23-0753	EA	6", Type 316, Schedule 10 Stainless Steel Tee	828.23	295.73
		For Work In Restricted Working Space, Add	*197.16*	
40 05 23 23-0754	EA	8", Type 316, Schedule 10 Stainless Steel Tee	1,417.83	451.73
		For Work In Restricted Working Space, Add	*301.16*	
40 05 23 23-0755	EA	10", Type 316, Schedule 10 Stainless Steel Tee	2,215.99	677.61
		For Work In Restricted Working Space, Add	*451.74*	
40 05 23 23-0756	EA	12", Type 316, Schedule 10 Stainless Steel Tee	2,855.99	847.01
		For Work In Restricted Working Space, Add	*564.67*	
40 05 23 23-0757	EA	14", Type 316, Schedule 10 Stainless Steel Tee	3,676.60	1,017.86
		For Work In Restricted Working Space, Add	*678.57*	
40 05 23 23-0758	EA	16", Type 316, Schedule 10 Stainless Steel Tee	4,335.31	1,241.68
		For Work In Restricted Working Space, Add	*827.79*	
40 05 23 23-0759	EA	18", Type 316, Schedule 10 Stainless Steel Tee	5,509.83	1,581.08
		For Work In Restricted Working Space, Add	*1,054.05*	
40 05 23 23-0760	EA	20", Type 316, Schedule 10 Stainless Steel Tee	7,438.64	2,080.37
		For Work In Restricted Working Space, Add	*1,386.91*	
40 05 23 23-0761	EA	24", Type 316, Schedule 10 Stainless Steel Tee	10,613.47	3,162.16
		For Work In Restricted Working Space, Add	*2,108.10*	

40 05 23 23-0762 Type 316, Schedule 10 Stainless Steel Butt Weld Reducing Tees *(40 05 23 23-0685)*

40 05 23 23-0763	EA	3/4", Type 316, Schedule 10 Stainless Steel Reducing Tee	172.10	59.71
		For Work In Restricted Working Space, Add	*39.81*	
40 05 23 23-0764	EA	1", Type 316, Schedule 10 Stainless Steel Reducing Tee	203.83	73.17
		For Work In Restricted Working Space, Add	*48.78*	
40 05 23 23-0765	EA	1-1/4", Type 316, Schedule 10 Stainless Steel Reducing Tee	251.12	82.22
		For Work In Restricted Working Space, Add	*54.81*	
40 05 23 23-0766	EA	1-1/2", Type 316, Schedule 10 Stainless Steel Reducing Tee	255.32	93.72
		For Work In Restricted Working Space, Add	*62.48*	
40 05 23 23-0767	EA	2", Type 316, Schedule 10 Stainless Steel Reducing Tee	270.85	100.71
		For Work In Restricted Working Space, Add	*67.14*	
40 05 23 23-0768	EA	2-1/2", Type 316, Schedule 10 Stainless Steel Reducing Tee	375.55	109.75
		For Work In Restricted Working Space, Add	*73.17*	
40 05 23 23-0769	EA	3", Type 316, Schedule 10 Stainless Steel Reducing Tee	359.86	131.55
		For Work In Restricted Working Space, Add	*87.71*	
40 05 23 23-0770	EA	4", Type 316, Schedule 10 Stainless Steel Reducing Tee	487.57	164.43
		For Work In Restricted Working Space, Add	*109.62*	
40 05 23 23-0771	EA	6", Type 316, Schedule 10 Stainless Steel Reducing Tee	699.42	187.87
		For Work In Restricted Working Space, Add	*125.25*	
40 05 23 23-0772	EA	8", Type 316, Schedule 10 Stainless Steel Reducing Tee	1,388.08	282.34
		For Work In Restricted Working Space, Add	*188.22*	
40 05 23 23-0773	EA	10", Type 316, Schedule 10 Stainless Steel Reducing Tee	2,561.10	376.45
		For Work In Restricted Working Space, Add	*250.97*	
40 05 23 23-0774	EA	12", Type 316, Schedule 10 Stainless Steel Reducing Tee	3,344.52	564.67
		For Work In Restricted Working Space, Add	*376.45*	
40 05 23 23-0775	EA	14", Type 316, Schedule 10 Stainless Steel Reducing Tee	3,800.41	678.39
		For Work In Restricted Working Space, Add	*452.26*	

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LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0776	EA	16", Type 316, Schedule 10 Stainless Steel Reducing Tee	4,710.48	827.50
		For Work In Restricted Working Space, Add	*551.67*	
40 05 23 23-0777	EA	18", Type 316, Schedule 10 Stainless Steel Reducing Tee	6,087.02	1,054.05
		For Work In Restricted Working Space, Add	*702.70*	
40 05 23 23-0778	EA	20", Type 316, Schedule 10 Stainless Steel Reducing Tee	8,689.78	1,386.91
		For Work In Restricted Working Space, Add	*924.61*	
40 05 23 23-0779	EA	24", Type 316, Schedule 10 Stainless Steel Reducing Tee	13,611.92	2,106.23
		For Work In Restricted Working Space, Add	*1,404.16*	

40 05 23 23-0780 Type 316, Schedule 10 Stainless Steel Butt Weld Reducers *(40 05 23 23-0685)*

40 05 23 23-0781	EA	3/4", Type 316, Schedule 10 Stainless Steel Concentric Reducer	133.80	54.30
		For Work In Restricted Working Space, Add	*36.20*	
40 05 23 23-0782	EA	1", Type 316, Schedule 10 Stainless Steel Concentric Reducer	147.69	59.17
		For Work In Restricted Working Space, Add	*39.45*	
40 05 23 23-0783	EA	1-1/4", Type 316, Schedule 10 Stainless Steel Concentric Reducer	164.87	65.60
		For Work In Restricted Working Space, Add	*43.73*	
40 05 23 23-0784	EA	1-1/2", Type 316, Schedule 10 Stainless Steel Concentric Reducer	172.31	71.49
		For Work In Restricted Working Space, Add	*47.66*	
40 05 23 23-0785	EA	2", Type 316, Schedule 10 Stainless Steel Concentric Reducer	187.36	78.95
		For Work In Restricted Working Space, Add	*52.64*	
40 05 23 23-0786	EA	2-1/2", Type 316, Schedule 10 Stainless Steel Concentric Reducer	247.89	98.66
		For Work In Restricted Working Space, Add	*65.77*	
40 05 23 23-0787	EA	3", Type 316, Schedule 10 Stainless Steel Concentric Reducer	288.99	112.31
		For Work In Restricted Working Space, Add	*74.88*	
40 05 23 23-0788	EA	4", Type 316, Schedule 10 Stainless Steel Concentric Reducer	315.72	131.61
		For Work In Restricted Working Space, Add	*87.74*	
40 05 23 23-0789	EA	6", Type 316, Schedule 10 Stainless Steel Concentric Reducer	439.84	167.56
		For Work In Restricted Working Space, Add	*111.70*	
40 05 23 23-0790	EA	8", Type 316, Schedule 10 Stainless Steel Concentric Reducer	702.35	271.04
		For Work In Restricted Working Space, Add	*180.70*	
40 05 23 23-0791	EA	10", Type 316, Schedule 10 Stainless Steel Concentric Reducer	909.92	338.81
		For Work In Restricted Working Space, Add	*225.87*	
40 05 23 23-0792	EA	12", Type 316, Schedule 10 Stainless Steel Concentric Reducer	1,217.62	451.73
		For Work In Restricted Working Space, Add	*301.16*	
40 05 23 23-0793	EA	14", Type 316, Schedule 10 Stainless Steel Concentric Reducer	1,731.79	592.91
		For Work In Restricted Working Space, Add	*395.27*	
40 05 23 23-0794	EA	16", Type 316, Schedule 10 Stainless Steel Concentric Reducer	2,011.13	675.67
		For Work In Restricted Working Space, Add	*450.45*	
40 05 23 23-0795	EA	18", Type 316, Schedule 10 Stainless Steel Concentric Reducer	2,489.91	847.01
		For Work In Restricted Working Space, Add	*564.67*	
40 05 23 23-0796	EA	20", Type 316, Schedule 10 Stainless Steel Concentric Reducer	3,504.67	1,129.35
		For Work In Restricted Working Space, Add	*752.90*	
40 05 23 23-0797	EA	24", Type 316, Schedule 10 Stainless Steel Concentric Reducer	5,098.63	1,694.01
		For Work In Restricted Working Space, Add	*1,129.34*	
40 05 23 23-0798	EA	3/4", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	157.54	54.30
		For Work In Restricted Working Space, Add	*36.20*	
40 05 23 23-0799	EA	1", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	175.88	59.17
		For Work In Restricted Working Space, Add	*39.45*	
40 05 23 23-0800	EA	1-1/4", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	198.30	65.60
		For Work In Restricted Working Space, Add	*43.73*	
40 05 23 23-0801	EA	1-1/2", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	211.40	71.49
		For Work In Restricted Working Space, Add	*47.66*	
40 05 23 23-0802	EA	2", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	211.49	78.95
		For Work In Restricted Working Space, Add	*52.64*	
40 05 23 23-0803	EA	2-1/2", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	281.24	98.66
		For Work In Restricted Working Space, Add	*65.77*	
40 05 23 23-0804	EA	3", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	323.20	112.31
		For Work In Restricted Working Space, Add	*74.88*	
40 05 23 23-0805	EA	4", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	362.11	131.61
		For Work In Restricted Working Space, Add	*87.74*	
40 05 23 23-0806	EA	6", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	519.56	167.56
		For Work In Restricted Working Space, Add	*111.70*	
40 05 23 23-0807	EA	8", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	875.11	271.04
		For Work In Restricted Working Space, Add	*180.70*	
40 05 23 23-0808	EA	10", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	1,207.45	338.81
		For Work In Restricted Working Space, Add	*225.87*	
40 05 23 23-0809	EA	12", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	1,526.36	451.73
		For Work In Restricted Working Space, Add	*301.16*	
40 05 23 23-0810	EA	14", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	2,317.27	592.91
		For Work In Restricted Working Space, Add	*395.27*	
40 05 23 23-0811	EA	16", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	2,718.77	675.67
		For Work In Restricted Working Space, Add	*450.45*	
40 05 23 23-0812	EA	18", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	3,369.09	847.01
		For Work In Restricted Working Space, Add	*564.67*	
40 05 23 23-0813	EA	20", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	4,910.76	1,129.35
		For Work In Restricted Working Space, Add	*752.90*	
40 05 23 23-0814	EA	24", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	6,768.47	1,694.01
		For Work In Restricted Working Space, Add	*1,129.34*	

40 05 23 23-0815 Type 316, Schedule 10 Stainless Steel Butt Weld Caps *(40 05 23 23-0685)*

40 05 23 23-0816	EA	1/2", Type 316, Schedule 10 Stainless Steel Cap	75.93	28.12
		For Work In Restricted Working Space, Add	*18.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0817	EA	3/4", Type 316, Schedule 10 Stainless Steel Cap	84.34	29.84
		For Work In Restricted Working Space, Add	*19.90*	
40 05 23 23-0818	EA	1", Type 316, Schedule 10 Stainless Steel Cap	92.44	32.80
		For Work In Restricted Working Space, Add	*21.87*	
40 05 23 23-0819	EA	1-1/4", Type 316, Schedule 10 Stainless Steel Cap	101.09	35.75
		For Work In Restricted Working Space, Add	*23.83*	
40 05 23 23-0820	EA	1-1/2", Type 316, Schedule 10 Stainless Steel Cap	109.11	39.47
		For Work In Restricted Working Space, Add	*26.32*	
40 05 23 23-0821	EA	2", Type 316, Schedule 10 Stainless Steel Cap	114.39	43.92
		For Work In Restricted Working Space, Add	*29.28*	
40 05 23 23-0822	EA	2-1/2", Type 316, Schedule 10 Stainless Steel Cap	142.68	56.21
		For Work In Restricted Working Space, Add	*37.47*	
40 05 23 23-0823	EA	3", Type 316, Schedule 10 Stainless Steel Cap	168.99	65.88
		For Work In Restricted Working Space, Add	*43.92*	
40 05 23 23-0824	EA	4", Type 316, Schedule 10 Stainless Steel Cap	202.41	78.85
		For Work In Restricted Working Space, Add	*52.57*	
40 05 23 23-0825	EA	6", Type 316, Schedule 10 Stainless Steel Cap	264.44	98.66
		For Work In Restricted Working Space, Add	*65.77*	
40 05 23 23-0826	EA	8", Type 316, Schedule 10 Stainless Steel Cap	457.60	169.40
		For Work In Restricted Working Space, Add	*112.94*	
40 05 23 23-0827	EA	10", Type 316, Schedule 10 Stainless Steel Cap	607.00	225.87
		For Work In Restricted Working Space, Add	*150.58*	
40 05 23 23-0828	EA	12", Type 316, Schedule 10 Stainless Steel Cap	893.69	338.80
		For Work In Restricted Working Space, Add	*225.87*	
40 05 23 23-0829	EA	14", Type 316, Schedule 10 Stainless Steel Cap	1,039.37	395.27
		For Work In Restricted Working Space, Add	*263.51*	
40 05 23 23-0830	EA	16", Type 316, Schedule 10 Stainless Steel Cap	1,195.27	450.88
		For Work In Restricted Working Space, Add	*300.59*	
40 05 23 23-0831	EA	18", Type 316, Schedule 10 Stainless Steel Cap	1,506.63	564.67
		For Work In Restricted Working Space, Add	*376.45*	
40 05 23 23-0832	EA	20", Type 316, Schedule 10 Stainless Steel Cap	2,087.02	790.54
		For Work In Restricted Working Space, Add	*527.03*	
40 05 23 23-0833	EA	24", Type 316, Schedule 10 Stainless Steel Cap	3,157.13	1,129.33
		For Work In Restricted Working Space, Add	*752.90*	

40 05 23 23-0834 Type 316, Schedule 40 Stainless Steel Pipe And Butt Weld Fittings *(40 05 23 23-0231)*

40 05 23 23-0835 Type 316, Schedule 40 Stainless Steel Pipe *(40 05 23 23-0834)*

40 05 23 23-0836	LF	1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	23.69	4.94
		For Work In Restricted Working Space, Add	*2.96*	
40 05 23 23-0837	LF	3/4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	28.77	6.03
		For Work In Restricted Working Space, Add	*3.62*	
40 05 23 23-0838	LF	1" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	35.36	7.13
		For Work In Restricted Working Space, Add	*4.25*	
40 05 23 23-0839	LF	1-1/4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	44.20	8.77
		For Work In Restricted Working Space, Add	*5.30*	
40 05 23 23-0840	LF	1-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	50.99	9.86
		For Work In Restricted Working Space, Add	*5.98*	
40 05 23 23-0841	LF	2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	65.49	12.61
		For Work In Restricted Working Space, Add	*7.41*	
40 05 23 23-0842	LF	2-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	81.70	14.25
		For Work In Restricted Working Space, Add	*8.46*	
40 05 23 23-0843	LF	3" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	78.86	15.90
		For Work In Restricted Working Space, Add	*9.53*	
40 05 23 23-0844	LF	4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	132.84	18.63
		For Work In Restricted Working Space, Add	*11.28*	
40 05 23 23-0845	LF	6" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	208.48	24.67
		For Work In Restricted Working Space, Add	*14.81*	
40 05 23 23-0846	LF	8" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	368.56	44.50
		For Work In Restricted Working Space, Add	*28.75*	
40 05 23 23-0847	LF	10" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	469.05	49.19
		For Work In Restricted Working Space, Add	*31.62*	
40 05 23 23-0848	LF	12" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	586.84	54.46
		For Work In Restricted Working Space, Add	*35.14*	

40 05 23 23-0849 Type 316, Schedule 40 Stainless Steel Butt Weld 90 Degree Elbows *(40 05 23 23-0834)*

40 05 23 23-0850	EA	1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	133.20	56.24
		For Work In Restricted Working Space, Add	*37.49*	
40 05 23 23-0851	EA	3/4", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	140.89	59.69
		For Work In Restricted Working Space, Add	*39.79*	
40 05 23 23-0852	EA	1", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	155.24	65.60
		For Work In Restricted Working Space, Add	*43.73*	
40 05 23 23-0853	EA	1-1/4", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	169.09	71.49
		For Work In Restricted Working Space, Add	*47.66*	
40 05 23 23-0854	EA	1-1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	186.45	78.95
		For Work In Restricted Working Space, Add	*52.64*	
40 05 23 23-0855	EA	2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	210.46	87.84
		For Work In Restricted Working Space, Add	*58.56*	
40 05 23 23-0856	EA	2-1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	281.28	112.42
		For Work In Restricted Working Space, Add	*74.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0857	EA	3", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	333.71	131.76
		For Work In Restricted Working Space, Add	*87.83*	
40 05 23 23-0858	EA	4", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	425.58	157.69
		For Work In Restricted Working Space, Add	*105.13*	
40 05 23 23-0859	EA	6", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	667.46	197.00
		For Work In Restricted Working Space, Add	*131.33*	
40 05 23 23-0860	EA	8", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	1,184.67	338.81
		For Work In Restricted Working Space, Add	*225.87*	
40 05 23 23-0861	EA	10", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	1,946.93	451.73
		For Work In Restricted Working Space, Add	*301.16*	
40 05 23 23-0862	EA	12", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	2,771.82	677.61
		For Work In Restricted Working Space, Add	*451.74*	
40 05 23 23-0863	EA	14", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	3,096.27	790.54
		For Work In Restricted Working Space, Add	*527.03*	
40 05 23 23-0864	EA	16", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	3,763.52	901.75
		For Work In Restricted Working Space, Add	*601.17*	
40 05 23 23-0865	EA	18", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	4,807.30	1,129.35
		For Work In Restricted Working Space, Add	*752.90*	
40 05 23 23-0866	EA	20", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	6,486.99	1,581.08
		For Work In Restricted Working Space, Add	*1,054.05*	
40 05 23 23-0867	EA	24", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	9,418.42	2,258.68
		For Work In Restricted Working Space, Add	*1,505.79*	

40 05 23 23-0868 Type 316, Schedule 40 Stainless Steel Butt Weld 45 Degree Elbows *(40 05 23 23-0834)*

40 05 23 23-0869	EA	1/2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	136.25	56.24
		For Work In Restricted Working Space, Add	*37.49*	
40 05 23 23-0870	EA	3/4", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	143.94	59.69
		For Work In Restricted Working Space, Add	*39.79*	
40 05 23 23-0871	EA	1", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	157.07	65.60
		For Work In Restricted Working Space, Add	*43.73*	
40 05 23 23-0872	EA	1-1/4", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	169.98	71.49
		For Work In Restricted Working Space, Add	*47.66*	
40 05 23 23-0873	EA	1-1/2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	188.28	78.95
		For Work In Restricted Working Space, Add	*52.64*	
40 05 23 23-0874	EA	2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	210.46	87.84
		For Work In Restricted Working Space, Add	*58.56*	
40 05 23 23-0875	EA	2-1/2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	281.28	112.42
		For Work In Restricted Working Space, Add	*74.95*	
40 05 23 23-0876	EA	3", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	321.80	131.76
		For Work In Restricted Working Space, Add	*87.83*	
40 05 23 23-0877	EA	4", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	402.97	157.69
		For Work In Restricted Working Space, Add	*105.13*	
40 05 23 23-0878	EA	6", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	574.61	197.00
		For Work In Restricted Working Space, Add	*131.33*	
40 05 23 23-0879	EA	8", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	1,021.08	338.81
		For Work In Restricted Working Space, Add	*225.87*	
40 05 23 23-0880	EA	10", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	1,569.92	451.73
		For Work In Restricted Working Space, Add	*301.16*	
40 05 23 23-0881	EA	12", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	2,267.11	677.61
		For Work In Restricted Working Space, Add	*451.74*	
40 05 23 23-0882	EA	14", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	2,573.91	790.54
		For Work In Restricted Working Space, Add	*527.03*	
40 05 23 23-0883	EA	16", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	2,906.54	901.75
		For Work In Restricted Working Space, Add	*601.17*	
40 05 23 23-0884	EA	18", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	3,740.42	1,129.35
		For Work In Restricted Working Space, Add	*752.90*	
40 05 23 23-0885	EA	20", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	5,079.66	1,581.08
		For Work In Restricted Working Space, Add	*1,054.05*	
40 05 23 23-0886	EA	24", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	7,538.98	2,258.68
		For Work In Restricted Working Space, Add	*1,505.79*	

40 05 23 23-0887 Type 316, Schedule 40 Stainless Steel Butt Weld Tees *(40 05 23 23-0834)*

40 05 23 23-0888	EA	1/2", Type 316, Schedule 40 Stainless Steel Tee	181.43	71.47
		For Work In Restricted Working Space, Add	*47.65*	
40 05 23 23-0889	EA	3/4", Type 316, Schedule 40 Stainless Steel Tee	217.57	87.74
		For Work In Restricted Working Space, Add	*58.49*	
40 05 23 23-0890	EA	1", Type 316, Schedule 40 Stainless Steel Tee	241.66	98.58
		For Work In Restricted Working Space, Add	*65.72*	
40 05 23 23-0891	EA	1-1/4", Type 316, Schedule 40 Stainless Steel Tee	278.47	112.42
		For Work In Restricted Working Space, Add	*74.95*	
40 05 23 23-0892	EA	1-1/2", Type 316, Schedule 40 Stainless Steel Tee	290.75	120.67
		For Work In Restricted Working Space, Add	*80.45*	
40 05 23 23-0893	EA	2", Type 316, Schedule 40 Stainless Steel Tee	316.90	131.61
		For Work In Restricted Working Space, Add	*87.74*	
40 05 23 23-0894	EA	2-1/2", Type 316, Schedule 40 Stainless Steel Tee	395.53	157.69
		For Work In Restricted Working Space, Add	*105.13*	
40 05 23 23-0895	EA	3", Type 316, Schedule 40 Stainless Steel Tee	488.05	197.63
		For Work In Restricted Working Space, Add	*131.75*	
40 05 23 23-0896	EA	4", Type 316, Schedule 40 Stainless Steel Tee	566.19	221.80
		For Work In Restricted Working Space, Add	*147.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0897	EA	6", Type 316, Schedule 40 Stainless Steel Tee	900.01	295.73
		For Work In Restricted Working Space, Add	*197.16*	
40 05 23 23-0898	EA	8", Type 316, Schedule 40 Stainless Steel Tee	1,602.24	451.73
		For Work In Restricted Working Space, Add	*301.16*	
40 05 23 23-0899	EA	10", Type 316, Schedule 40 Stainless Steel Tee	2,702.87	677.61
		For Work In Restricted Working Space, Add	*451.74*	
40 05 23 23-0900	EA	12", Type 316, Schedule 40 Stainless Steel Tee	3,322.76	847.01
		For Work In Restricted Working Space, Add	*564.67*	
40 05 23 23-0901	EA	14", Type 316, Schedule 40 Stainless Steel Tee	4,774.62	1,017.86
		For Work In Restricted Working Space, Add	*678.57*	
40 05 23 23-0902	EA	16", Type 316, Schedule 40 Stainless Steel Tee	5,917.59	1,241.68
		For Work In Restricted Working Space, Add	*827.79*	
40 05 23 23-0903	EA	18", Type 316, Schedule 40 Stainless Steel Tee	7,666.75	1,581.08
		For Work In Restricted Working Space, Add	*1,054.05*	
40 05 23 23-0904	EA	20", Type 316, Schedule 40 Stainless Steel Tee	9,958.61	2,080.37
		For Work In Restricted Working Space, Add	*1,386.91*	
40 05 23 23-0905	EA	24", Type 316, Schedule 40 Stainless Steel Tee	14,253.02	3,162.16
		For Work In Restricted Working Space, Add	*2,108.10*	

40 05 23 23-0906 Type 316, Schedule 40 Stainless Steel Butt Weld Reducing Tees *(40 05 23 23-0834)*

40 05 23 23-0907	EA	3/4", Type 316, Schedule 40 Stainless Steel Reducing Tee	177.90	59.71
		For Work In Restricted Working Space, Add	*39.81*	
40 05 23 23-0908	EA	1", Type 316, Schedule 40 Stainless Steel Reducing Tee	207.80	73.17
		For Work In Restricted Working Space, Add	*48.78*	
40 05 23 23-0909	EA	1-1/4", Type 316, Schedule 40 Stainless Steel Reducing Tee	275.55	82.22
		For Work In Restricted Working Space, Add	*54.81*	
40 05 23 23-0910	EA	1-1/2", Type 316, Schedule 40 Stainless Steel Reducing Tee	264.78	93.72
		For Work In Restricted Working Space, Add	*62.48*	
40 05 23 23-0911	EA	2", Type 316, Schedule 40 Stainless Steel Reducing Tee	270.85	100.71
		For Work In Restricted Working Space, Add	*67.14*	
40 05 23 23-0912	EA	2-1/2", Type 316, Schedule 40 Stainless Steel Reducing Tee	377.38	109.75
		For Work In Restricted Working Space, Add	*73.17*	
40 05 23 23-0913	EA	3", Type 316, Schedule 40 Stainless Steel Reducing Tee	372.99	131.55
		For Work In Restricted Working Space, Add	*87.71*	
40 05 23 23-0914	EA	4", Type 316, Schedule 40 Stainless Steel Reducing Tee	500.71	164.43
		For Work In Restricted Working Space, Add	*109.62*	
40 05 23 23-0915	EA	6", Type 316, Schedule 40 Stainless Steel Reducing Tee	707.67	187.87
		For Work In Restricted Working Space, Add	*125.25*	
40 05 23 23-0916	EA	8", Type 316, Schedule 40 Stainless Steel Reducing Tee	1,225.79	282.34
		For Work In Restricted Working Space, Add	*188.22*	
40 05 23 23-0917	EA	10", Type 316, Schedule 40 Stainless Steel Reducing Tee	2,601.68	376.45
		For Work In Restricted Working Space, Add	*250.97*	
40 05 23 23-0918	EA	12", Type 316, Schedule 40 Stainless Steel Reducing Tee	3,425.67	564.67
		For Work In Restricted Working Space, Add	*376.45*	
40 05 23 23-0919	EA	14", Type 316, Schedule 40 Stainless Steel Reducing Tee	3,889.45	678.39
		For Work In Restricted Working Space, Add	*452.26*	
40 05 23 23-0920	EA	16", Type 316, Schedule 40 Stainless Steel Reducing Tee	4,821.99	827.50
		For Work In Restricted Working Space, Add	*551.67*	
40 05 23 23-0921	EA	18", Type 316, Schedule 40 Stainless Steel Reducing Tee	6,232.44	1,054.05
		For Work In Restricted Working Space, Add	*702.70*	
40 05 23 23-0922	EA	20", Type 316, Schedule 40 Stainless Steel Reducing Tee	8,907.55	1,386.91
		For Work In Restricted Working Space, Add	*924.61*	
40 05 23 23-0923	EA	24", Type 316, Schedule 40 Stainless Steel Reducing Tee	13,958.75	2,106.23
		For Work In Restricted Working Space, Add	*1,404.16*	

40 05 23 23-0924 Type 316, Schedule 40 Stainless Steel Butt Weld Reducers *(40 05 23 23-0834)*

40 05 23 23-0925	EA	3/4", Type 316, Schedule 40 Stainless Steel Concentric Reducer	138.69	54.30
		For Work In Restricted Working Space, Add	*36.20*	
40 05 23 23-0926	EA	1", Type 316, Schedule 40 Stainless Steel Concentric Reducer	152.57	59.17
		For Work In Restricted Working Space, Add	*39.45*	
40 05 23 23-0927	EA	1-1/4", Type 316, Schedule 40 Stainless Steel Concentric Reducer	167.09	65.60
		For Work In Restricted Working Space, Add	*43.73*	
40 05 23 23-0928	EA	1-1/2", Type 316, Schedule 40 Stainless Steel Concentric Reducer	177.81	71.49
		For Work In Restricted Working Space, Add	*47.66*	
40 05 23 23-0929	EA	2", Type 316, Schedule 40 Stainless Steel Concentric Reducer	190.72	78.95
		For Work In Restricted Working Space, Add	*52.64*	
40 05 23 23-0930	EA	2-1/2", Type 316, Schedule 40 Stainless Steel Concentric Reducer	258.64	98.66
		For Work In Restricted Working Space, Add	*65.77*	
40 05 23 23-0931	EA	3", Type 316, Schedule 40 Stainless Steel Concentric Reducer	277.08	112.31
		For Work In Restricted Working Space, Add	*74.88*	
40 05 23 23-0932	EA	4", Type 316, Schedule 40 Stainless Steel Concentric Reducer	319.96	131.61
		For Work In Restricted Working Space, Add	*87.74*	
40 05 23 23-0933	EA	6", Type 316, Schedule 40 Stainless Steel Concentric Reducer	441.98	167.56
		For Work In Restricted Working Space, Add	*111.70*	
40 05 23 23-0934	EA	8", Type 316, Schedule 40 Stainless Steel Concentric Reducer	766.26	271.04
		For Work In Restricted Working Space, Add	*180.70*	
40 05 23 23-0935	EA	10", Type 316, Schedule 40 Stainless Steel Concentric Reducer	1,030.32	338.81
		For Work In Restricted Working Space, Add	*225.87*	
40 05 23 23-0936	EA	12", Type 316, Schedule 40 Stainless Steel Concentric Reducer	1,304.04	451.73
		For Work In Restricted Working Space, Add	*301.16*	
40 05 23 23-0937	EA	14", Type 316, Schedule 40 Stainless Steel Concentric Reducer	1,896.40	592.91
		For Work In Restricted Working Space, Add	*395.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0938	EA	16", Type 316, Schedule 40 Stainless Steel Concentric Reducer	2,186.33	675.67
		For Work In Restricted Working Space, Add	*450.45*	
40 05 23 23-0939	EA	18", Type 316, Schedule 40 Stainless Steel Concentric Reducer	2,927.52	847.01
		For Work In Restricted Working Space, Add	*564.67*	
40 05 23 23-0940	EA	20", Type 316, Schedule 40 Stainless Steel Concentric Reducer	3,972.77	1,129.35
		For Work In Restricted Working Space, Add	*752.90*	
40 05 23 23-0941	EA	24", Type 316, Schedule 40 Stainless Steel Concentric Reducer	5,689.71	1,694.01
		For Work In Restricted Working Space, Add	*1,129.34*	
40 05 23 23-0942	EA	3/4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	173.20	54.30
		For Work In Restricted Working Space, Add	*36.20*	
40 05 23 23-0943	EA	1", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	184.03	59.17
		For Work In Restricted Working Space, Add	*39.45*	
40 05 23 23-0944	EA	1-1/4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	214.19	65.60
		For Work In Restricted Working Space, Add	*43.73*	
40 05 23 23-0945	EA	1-1/2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	220.87	71.49
		For Work In Restricted Working Space, Add	*47.66*	
40 05 23 23-0946	EA	2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	236.54	78.95
		For Work In Restricted Working Space, Add	*52.64*	
40 05 23 23-0947	EA	2-1/2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	281.24	98.66
		For Work In Restricted Working Space, Add	*65.77*	
40 05 23 23-0948	EA	3", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	365.35	112.31
		For Work In Restricted Working Space, Add	*74.88*	
40 05 23 23-0949	EA	4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	395.71	131.61
		For Work In Restricted Working Space, Add	*87.74*	
40 05 23 23-0950	EA	6", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	566.29	167.56
		For Work In Restricted Working Space, Add	*111.70*	
40 05 23 23-0951	EA	8", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	859.28	271.04
		For Work In Restricted Working Space, Add	*180.70*	
40 05 23 23-0952	EA	10", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	1,234.82	338.81
		For Work In Restricted Working Space, Add	*225.87*	
40 05 23 23-0953	EA	12", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	1,713.07	451.73
		For Work In Restricted Working Space, Add	*301.16*	
40 05 23 23-0954	EA	14", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	2,583.62	592.91
		For Work In Restricted Working Space, Add	*395.27*	
40 05 23 23-0955	EA	16", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	2,977.46	675.67
		For Work In Restricted Working Space, Add	*450.45*	
40 05 23 23-0956	EA	18", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	4,009.00	847.01
		For Work In Restricted Working Space, Add	*564.67*	
40 05 23 23-0957	EA	20", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	5,149.41	1,129.35
		For Work In Restricted Working Space, Add	*752.90*	
40 05 23 23-0958	EA	24", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	7,719.72	1,694.01
		For Work In Restricted Working Space, Add	*1,129.34*	

40 05 23 23-0959 Type 316, Schedule 40 Stainless Steel Butt Weld Caps *(40 05 23 23-0834)*

40 05 23 23-0960	EA	1/2", Type 316, Schedule 40 Stainless Steel Cap	76.54	28.12
		For Work In Restricted Working Space, Add	*18.75*	
40 05 23 23-0961	EA	3/4", Type 316, Schedule 40 Stainless Steel Cap	84.04	29.84
		For Work In Restricted Working Space, Add	*19.90*	
40 05 23 23-0962	EA	1", Type 316, Schedule 40 Stainless Steel Cap	93.05	32.80
		For Work In Restricted Working Space, Add	*21.87*	
40 05 23 23-0963	EA	1-1/4", Type 316, Schedule 40 Stainless Steel Cap	106.75	35.75
		For Work In Restricted Working Space, Add	*23.83*	
40 05 23 23-0964	EA	1-1/2", Type 316, Schedule 40 Stainless Steel Cap	104.53	39.47
		For Work In Restricted Working Space, Add	*26.32*	
40 05 23 23-0965	EA	2", Type 316, Schedule 40 Stainless Steel Cap	118.66	43.92
		For Work In Restricted Working Space, Add	*29.28*	
40 05 23 23-0966	EA	2-1/2", Type 316, Schedule 40 Stainless Steel Cap	148.23	56.21
		For Work In Restricted Working Space, Add	*37.47*	
40 05 23 23-0967	EA	3", Type 316, Schedule 40 Stainless Steel Cap	169.91	65.88
		For Work In Restricted Working Space, Add	*43.92*	
40 05 23 23-0968	EA	4", Type 316, Schedule 40 Stainless Steel Cap	209.13	78.85
		For Work In Restricted Working Space, Add	*52.57*	
40 05 23 23-0969	EA	6", Type 316, Schedule 40 Stainless Steel Cap	292.54	98.66
		For Work In Restricted Working Space, Add	*65.77*	
40 05 23 23-0970	EA	8", Type 316, Schedule 40 Stainless Steel Cap	510.38	169.40
		For Work In Restricted Working Space, Add	*112.94*	
40 05 23 23-0971	EA	10", Type 316, Schedule 40 Stainless Steel Cap	684.67	225.87
		For Work In Restricted Working Space, Add	*150.58*	
40 05 23 23-0972	EA	12", Type 316, Schedule 40 Stainless Steel Cap	1,020.73	338.80
		For Work In Restricted Working Space, Add	*225.87*	
40 05 23 23-0973	EA	14", Type 316, Schedule 40 Stainless Steel Cap	1,162.49	395.27
		For Work In Restricted Working Space, Add	*263.51*	
40 05 23 23-0974	EA	16", Type 316, Schedule 40 Stainless Steel Cap	1,305.54	450.88
		For Work In Restricted Working Space, Add	*300.59*	
40 05 23 23-0975	EA	18", Type 316, Schedule 40 Stainless Steel Cap	1,668.10	564.67
		For Work In Restricted Working Space, Add	*376.45*	
40 05 23 23-0976	EA	20", Type 316, Schedule 40 Stainless Steel Cap	2,290.29	790.54
		For Work In Restricted Working Space, Add	*527.03*	
40 05 23 23-0977	EA	24", Type 316, Schedule 40 Stainless Steel Cap	3,552.99	1,129.33
		For Work In Restricted Working Space, Add	*752.90*	

40 05 23 23-0978 Valves *(40 05 23 23-0231)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0979		**Gate Valves, Class 150** *(40 05 23 23-0978)*		
40 05 23 23-0980	EA	1/2" Gate Valve, Stainless Steel, Flanged	703.13	56.21
		For Work In Restricted Working Space, Add	*21.08*	
		For Class 200, Deduct	*-169.29*	
		For Class 300, Add	*594.90*	
40 05 23 23-0981	EA	3/4" Gate Valve, Stainless Steel, Flanged	763.20	58.55
		For Work In Restricted Working Space, Add	*24.59*	
		For Class 200, Deduct	*-182.23*	
		For Class 300, Add	*640.36*	
40 05 23 23-0982	EA	1" Gate Valve, Stainless Steel, Flanged	939.33	87.83
		For Work In Restricted Working Space, Add	*33.14*	
		For Class 200, Deduct	*-221.72*	
		For Class 300, Add	*779.13*	
40 05 23 23-0983	EA	1-1/4" Gate Valve, Stainless Steel, Flanged	1,185.96	102.46
		For Work In Restricted Working Space, Add	*38.18*	
		For Class 200, Deduct	*-283.20*	
		For Class 300, Add	*995.16*	
40 05 23 23-0984	EA	1-1/2" Gate Valve, Stainless Steel, Flanged	1,334.79	128.98
		For Work In Restricted Working Space, Add	*48.37*	
		For Class 200, Deduct	*-313.93*	
		For Class 300, Add	*1,103.16*	
40 05 23 23-0985	EA	2" Gate Valve, Stainless Steel, Flanged	1,584.00	156.10
		For Work In Restricted Working Space, Add	*58.55*	
		For Class 200, Deduct	*-371.51*	
		For Class 300, Add	*1,305.50*	
40 05 23 23-0986	EA	2-1/2" Gate Valve, Stainless Steel, Flanged	2,284.93	169.80
		For Work In Restricted Working Space, Add	*63.87*	
		For Class 300, Add	*1,947.70*	
40 05 23 23-0987	EA	3" Gate Valve, Stainless Steel, Flanged	2,572.25	199.08
		For Work In Restricted Working Space, Add	*74.75*	
		For Class 300, Add	*2,183.71*	
40 05 23 23-0988	EA	4" Gate Valve, Stainless Steel, Flanged	3,390.03	333.74
		For Work In Restricted Working Space, Add	*125.47*	
		For Class 300, Add	*2,793.49*	
40 05 23 23-0989	EA	6" Gate Valve, Stainless Steel, Flanged	5,694.55	421.57
		For Work In Restricted Working Space, Add	*158.66*	
		For Class 300, Add	*4,855.76*	
40 05 23 23-0990	EA	8" Gate Valve, Stainless Steel, Flanged	12,490.31	538.67
		For Work In Restricted Working Space, Add	*200.75*	
		For Class 300, Add	*11,111.89*	
40 05 23 23-0991	EA	10" Gate Valve, Stainless Steel, Flanged	17,619.96	655.78
		For Work In Restricted Working Space, Add	*245.91*	
		For Class 300, Add	*15,792.24*	
40 05 23 23-0992	EA	12" Gate Valve, Stainless Steel, Flanged	26,561.54	796.29
		For Work In Restricted Working Space, Add	*298.08*	
		For Class 300, Add	*24,033.86*	
40 05 23 23-0993		**Globe Valves, Class 150** *(40 05 23 23-0978)*		
40 05 23 23-0994	EA	1/2" Globe Valve, Stainless Steel, Flanged	964.28	56.21
		For Work In Restricted Working Space, Add	*21.08*	
		For Class 200, Deduct	*-239.15*	
		For Class 300, Add	*840.38*	
40 05 23 23-0995	EA	3/4" Globe Valve, Stainless Steel, Flanged	1,066.68	58.55
		For Work In Restricted Working Space, Add	*24.59*	
		For Class 200, Deduct	*-263.41*	
		For Class 300, Add	*925.63*	
40 05 23 23-0996	EA	1" Globe Valve, Stainless Steel, Flanged	1,328.40	87.83
		For Work In Restricted Working Space, Add	*33.14*	
		For Class 200, Deduct	*-325.80*	
		For Class 300, Add	*1,144.85*	
40 05 23 23-0997	EA	1-1/2" Globe Valve, Stainless Steel, Flanged	1,975.16	128.98
		For Work In Restricted Working Space, Add	*48.37*	
		For Class 200, Deduct	*-485.23*	
		For Class 300, Add	*1,705.10*	
40 05 23 23-0998	EA	2" Globe Valve, Stainless Steel, Flanged	2,410.78	156.10
		For Work In Restricted Working Space, Add	*58.55*	
		For Class 200, Deduct	*-592.68*	
		For Class 300, Add	*2,082.67*	
40 05 23 23-0999	EA	2-1/2" Globe Valve, Stainless Steel, Flanged	4,877.36	169.80
		For Work In Restricted Working Space, Add	*63.87*	
		For Class 300, Add	*4,384.58*	
40 05 23 23-1000	EA	3" Globe Valve, Stainless Steel, Flanged	5,043.17	199.08
		For Work In Restricted Working Space, Add	*74.75*	
		For Class 300, Add	*4,506.38*	
40 05 23 23-1001	EA	4" Globe Valve, Stainless Steel, Flanged	5,989.64	333.74
		For Work In Restricted Working Space, Add	*125.47*	
		For Class 300, Add	*5,237.13*	
40 05 23 23-1002	EA	6" Globe Valve, Stainless Steel, Flanged	11,088.62	421.57
		For Work In Restricted Working Space, Add	*158.66*	
		For Class 300, Add	*9,926.18*	
40 05 23 23-1003		**Check Valves, Class 150** *(40 05 23 23-0978)*		

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LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1004	EA	2-1/2" Check Valve, Stainless Steel, Flanged	2,185.50	169.80
		For Work In Restricted Working Space, Add	*63.87*	
		For Class 300, Add	*1,854.23*	
40 05 23 23-1005	EA	3" Check Valve, Stainless Steel, Flanged	2,283.25	199.08
		For Work In Restricted Working Space, Add	*74.75*	
		For Class 300, Add	*1,912.05*	
40 05 23 23-1006	EA	4" Check Valve, Stainless Steel, Flanged	3,583.89	333.74
		For Work In Restricted Working Space, Add	*125.47*	
		For Class 300, Add	*2,975.72*	
40 05 23 23-1007	EA	6" Check Valve, Stainless Steel, Flanged	6,186.63	421.57
		For Work In Restricted Working Space, Add	*158.66*	
		For Class 300, Add	*5,318.31*	
40 05 23 23-1008	EA	8" Check Valve, Stainless Steel, Flanged	10,907.02	538.67
		For Work In Restricted Working Space, Add	*200.75*	
		For Class 300, Add	*9,623.60*	

40 05 23 23-1009 Stainless Steel Thread-O-Let Fittings *(40 05 23 23-0231)*

40 05 23 23-1010	EA	1/2", Stainless Steel Thread-o-let Fitting	91.08	33.99
		For Work In Restricted Working Space, Add	*22.67*	
40 05 23 23-1011	EA	3/4", Stainless Steel Thread-o-let Fitting	120.14	45.33
		For Work In Restricted Working Space, Add	*30.22*	
40 05 23 23-1012	EA	1", Stainless Steel Thread-o-let Fitting	148.02	56.21
		For Work In Restricted Working Space, Add	*37.47*	
40 05 23 23-1013	EA	1-1/4", Stainless Steel Thread-o-let Fitting	212.62	79.54
		For Work In Restricted Working Space, Add	*53.03*	
40 05 23 23-1014	EA	1-1/2", Stainless Steel Thread-o-let Fitting	235.18	89.70
		For Work In Restricted Working Space, Add	*59.80*	
40 05 23 23-1015	EA	2", Stainless Steel Thread-o-let Fitting	294.03	113.94
		For Work In Restricted Working Space, Add	*75.96*	
40 05 23 23-1016	EA	2-1/2", Stainless Steel Thread-o-let Fitting	527.32	175.66
		For Work In Restricted Working Space, Add	*117.11*	
40 05 23 23-1017	EA	3", Stainless Steel Thread-o-let Fitting	707.12	224.24
		For Work In Restricted Working Space, Add	*149.49*	
40 05 23 23-1018	EA	4", Stainless Steel Thread-o-let Fitting	933.41	281.04
		For Work In Restricted Working Space, Add	*187.36*	

40 05 23 23-1019 Stainless Steel Flanges *(40 05 23 23-0231)*

40 05 23 23-1020 150#, Type 304 Stainless Steel Raised Face Threaded Flange *(40 05 23 23-1019)*

40 05 23 23-1021	EA	1/2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange	77.96	18.89
		For Work In Restricted Working Space, Add	*11.33*	
40 05 23 23-1022	EA	3/4", 150#, Type 304 Stainless Steel Raised Face Threaded Flange	95.00	25.19
		For Work In Restricted Working Space, Add	*15.11*	
40 05 23 23-1023	EA	1", 150#, Type 304 Stainless Steel Raised Face Threaded Flange	112.46	31.23
		For Work In Restricted Working Space, Add	*18.74*	
40 05 23 23-1024	EA	1-1/4", 150#, Type 304 Stainless Steel Raised Face Threaded Flange	151.77	44.20
		For Work In Restricted Working Space, Add	*26.51*	
40 05 23 23-1025	EA	1-1/2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange	163.06	49.83
		For Work In Restricted Working Space, Add	*29.90*	
40 05 23 23-1026	EA	2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange	209.66	63.29
		For Work In Restricted Working Space, Add	*37.98*	
40 05 23 23-1027	EA	2-1/2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange	311.24	97.55
		For Work In Restricted Working Space, Add	*58.55*	
40 05 23 23-1028	EA	3", 150#, Type 304 Stainless Steel Raised Face Threaded Flange	370.59	199.08
		For Work In Restricted Working Space, Add	*74.75*	
40 05 23 23-1029	EA	4", 150#, Type 304 Stainless Steel Raised Face Threaded Flange	478.36	156.10
		For Work In Restricted Working Space, Add	*93.68*	

40 05 23 23-1030 300#, Type 304 Stainless Steel Raised Face Threaded Flange *(40 05 23 23-1019)*

40 05 23 23-1031	EA	1/2", 300#, Type 304 Stainless Steel Raised Face Threaded Flange	101.18	18.89
		For Work In Restricted Working Space, Add	*11.33*	
40 05 23 23-1032	EA	3/4", 300#, Type 304 Stainless Steel Raised Face Threaded Flange	113.76	25.19
		For Work In Restricted Working Space, Add	*15.11*	
40 05 23 23-1033	EA	1", 300#, Type 304 Stainless Steel Raised Face Threaded Flange	125.85	31.23
		For Work In Restricted Working Space, Add	*18.74*	
40 05 23 23-1034	EA	1-1/4", 300#, Type 304 Stainless Steel Raised Face Threaded Flange	185.73	44.20
		For Work In Restricted Working Space, Add	*26.51*	
40 05 23 23-1035	EA	1-1/2", 300#, Type 304 Stainless Steel Raised Face Threaded Flange	197.02	49.83
		For Work In Restricted Working Space, Add	*29.90*	
40 05 23 23-1036	EA	2", 300#, Type 304 Stainless Steel Raised Face Threaded Flange	244.48	63.29
		For Work In Restricted Working Space, Add	*37.98*	
40 05 23 23-1037	EA	2-1/2", 300#, Type 304 Stainless Steel Raised Face Threaded Flange	388.94	97.55
		For Work In Restricted Working Space, Add	*58.55*	
40 05 23 23-1038	EA	3", 300#, Type 304 Stainless Steel Raised Face Threaded Flange	450.05	199.08
		For Work In Restricted Working Space, Add	*74.75*	
40 05 23 23-1039	EA	4", 300#, Type 304 Stainless Steel Raised Face Threaded Flange	600.70	156.10
		For Work In Restricted Working Space, Add	*93.68*	

40 05 23 23-1040 150#, Type 304 Stainless Steel Raised Face Weld Neck Flange *(40 05 23 23-1019)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1041	EA	1/2", 150#, Type 304 Stainless Steel Weld Neck Flange	102.67	28.11
		For Work In Restricted Working Space, Add	*18.75*	
40 05 23 23-1042	EA	3/4", 150#, Type 304 Stainless Steel Weld Neck Flange	110.96	29.84
		For Work In Restricted Working Space, Add	*19.90*	
40 05 23 23-1043	EA	1", 150#, Type 304 Stainless Steel Weld Neck Flange	124.67	32.80
		For Work In Restricted Working Space, Add	*21.87*	
40 05 23 23-1044	EA	1-1/4", 150#, Type 304 Stainless Steel Weld Neck Flange	153.64	35.77
		For Work In Restricted Working Space, Add	*23.85*	
40 05 23 23-1045	EA	1-1/2", 150#, Type 304 Stainless Steel Weld Neck Flange	161.77	39.43
		For Work In Restricted Working Space, Add	*26.29*	
40 05 23 23-1046	EA	2", 150#, Type 304 Stainless Steel Weld Neck Flange	179.77	43.93
		For Work In Restricted Working Space, Add	*29.28*	
40 05 23 23-1047	EA	2-1/2", 150#, Type 304 Stainless Steel Weld Neck Flange	248.97	56.17
		For Work In Restricted Working Space, Add	*37.45*	
40 05 23 23-1048	EA	3", 150#, Type 304 Stainless Steel Weld Neck Flange	281.88	65.77
		For Work In Restricted Working Space, Add	*43.85*	
40 05 23 23-1049	EA	4", 150#, Type 304 Stainless Steel Weld Neck Flange	364.42	78.80
		For Work In Restricted Working Space, Add	*52.53*	
40 05 23 23-1050	EA	6", 150#, Type 304 Stainless Steel Weld Neck Flange	545.59	98.45
		For Work In Restricted Working Space, Add	*65.64*	
40 05 23 23-1051	EA	8", 150#, Type 304 Stainless Steel Weld Neck Flange	930.03	169.40
		For Work In Restricted Working Space, Add	*112.94*	
40 05 23 23-1052	EA	10", 150#, Type 304 Stainless Steel Weld Neck Flange	1,318.91	225.86
		For Work In Restricted Working Space, Add	*150.58*	
40 05 23 23-1053	EA	12", 150#, Type 304 Stainless Steel Weld Neck Flange	2,027.89	338.80
		For Work In Restricted Working Space, Add	*225.87*	
40 05 23 23-1054	EA	14", 150#, Type 304 Stainless Steel Weld Neck Flange	2,535.25	395.27
		For Work In Restricted Working Space, Add	*263.51*	
40 05 23 23-1055	EA	16", 150#, Type 304 Stainless Steel Weld Neck Flange	3,164.06	450.88
		For Work In Restricted Working Space, Add	*300.59*	
40 05 23 23-1056	EA	18", 150#, Type 304 Stainless Steel Weld Neck Flange	3,881.32	564.67
		For Work In Restricted Working Space, Add	*376.45*	
40 05 23 23-1057	EA	20", 150#, Type 304 Stainless Steel Weld Neck Flange	5,028.97	790.54
		For Work In Restricted Working Space, Add	*527.03*	
40 05 23 23-1058	EA	24", 150#, Type 304 Stainless Steel Weld Neck Flange	7,146.68	1,129.33
		For Work In Restricted Working Space, Add	*752.90*	

40 05 23 23-1059 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange *(40 05 23 23-1019)*

40 05 23 23-1060	EA	1/2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	130.36	28.11
		For Work In Restricted Working Space, Add	*18.75*	
40 05 23 23-1061	EA	3/4" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	134.19	29.84
		For Work In Restricted Working Space, Add	*19.90*	
40 05 23 23-1062	EA	1" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	140.77	32.80
		For Work In Restricted Working Space, Add	*21.87*	
40 05 23 23-1063	EA	1-1/4" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	184.84	35.77
		For Work In Restricted Working Space, Add	*23.85*	
40 05 23 23-1064	EA	1-1/2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	192.97	39.43
		For Work In Restricted Working Space, Add	*26.29*	
40 05 23 23-1065	EA	2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	206.56	43.93
		For Work In Restricted Working Space, Add	*29.28*	
40 05 23 23-1066	EA	2-1/2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	295.37	56.17
		For Work In Restricted Working Space, Add	*37.45*	
40 05 23 23-1067	EA	3" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	333.65	65.77
		For Work In Restricted Working Space, Add	*43.85*	
40 05 23 23-1068	EA	4" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	485.81	78.80
		For Work In Restricted Working Space, Add	*52.53*	
40 05 23 23-1069	EA	6" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	683.08	98.45
		For Work In Restricted Working Space, Add	*65.64*	
40 05 23 23-1070	EA	8" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	1,272.88	169.40
		For Work In Restricted Working Space, Add	*112.94*	
40 05 23 23-1071	EA	10" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	1,771.61	225.86
		For Work In Restricted Working Space, Add	*150.58*	
40 05 23 23-1072	EA	12" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	2,602.94	338.80
		For Work In Restricted Working Space, Add	*225.87*	
40 05 23 23-1073	EA	14" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	3,444.28	395.27
		For Work In Restricted Working Space, Add	*263.51*	
40 05 23 23-1074	EA	16" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	4,251.15	450.88
		For Work In Restricted Working Space, Add	*300.59*	
40 05 23 23-1075	EA	18" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	5,429.30	564.67
		For Work In Restricted Working Space, Add	*376.45*	
40 05 23 23-1076	EA	20" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	7,009.55	790.54
		For Work In Restricted Working Space, Add	*527.03*	
40 05 23 23-1077	EA	24" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	10,205.57	1,129.33
		For Work In Restricted Working Space, Add	*752.90*	

40 05 23 23-1078 150#, Type 304 Stainless Steel Raised Face Slip-On Flanges *(40 05 23 23-1019)*

40 05 23 23-1079	EA	1/2", 150#, Type 304 Stainless Steel Slip-On Flange	160.66	56.23
		For Work In Restricted Working Space, Add	*37.49*	
40 05 23 23-1080	EA	3/4", 150#, Type 304 Stainless Steel Slip-On Flange	169.26	59.68
		For Work In Restricted Working Space, Add	*39.79*	
40 05 23 23-1081	EA	1", 150#, Type 304 Stainless Steel Slip-On Flange	185.96	65.60
		For Work In Restricted Working Space, Add	*43.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1082	EA	1-1/4", 150#, Type 304 Stainless Steel Slip-On Flange	213.48	71.55
		For Work In Restricted Working Space, Add	*47.70*	
40 05 23 23-1083	EA	1-1/2", 150#, Type 304 Stainless Steel Slip-On Flange	229.73	78.86
		For Work In Restricted Working Space, Add	*52.58*	
40 05 23 23-1084	EA	2", 150#, Type 304 Stainless Steel Slip-On Flange	265.81	87.85
		For Work In Restricted Working Space, Add	*58.57*	
40 05 23 23-1085	EA	2-1/2", 150#, Type 304 Stainless Steel Slip-On Flange	348.78	112.33
		For Work In Restricted Working Space, Add	*74.90*	
40 05 23 23-1086	EA	3", 150#, Type 304 Stainless Steel Slip-On Flange	398.58	131.52
		For Work In Restricted Working Space, Add	*87.69*	
40 05 23 23-1087	EA	4", 150#, Type 304 Stainless Steel Slip-On Flange	494.89	157.60
		For Work In Restricted Working Space, Add	*105.07*	
40 05 23 23-1088	EA	6", 150#, Type 304 Stainless Steel Slip-On Flange	658.13	196.90
		For Work In Restricted Working Space, Add	*131.27*	
40 05 23 23-1089	EA	8", 150#, Type 304 Stainless Steel Slip-On Flange	1,169.88	338.80
		For Work In Restricted Working Space, Add	*225.87*	
40 05 23 23-1090	EA	10" 150#, Type 304 Stainless Steel Raised Face Slip-On Flange	1,651.19	451.73
		For Work In Restricted Working Space, Add	*301.16*	
40 05 23 23-1091	EA	12" 150#, Type 304 Stainless Steel Raised Face Slip-On Flange	2,462.06	677.60
		For Work In Restricted Working Space, Add	*451.74*	

40 05 23 23-1092 300#, Type 304 Stainless Steel Raised Face Slip-On Flanges *(40 05 23 23-1019)*

40 05 23 23-1093	EA	1/2" 300#, Type 304 Stainless Steel Raised Neck Slip-On Flange	178.52	56.23
		For Work In Restricted Working Space, Add	*37.49*	
40 05 23 23-1094	EA	3/4" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	186.21	59.68
		For Work In Restricted Working Space, Add	*39.79*	
40 05 23 23-1095	EA	1" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	199.35	65.60
		For Work In Restricted Working Space, Add	*43.73*	
40 05 23 23-1096	EA	1-1/4" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	241.17	71.55
		For Work In Restricted Working Space, Add	*47.70*	
40 05 23 23-1097	EA	1-1/2" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	257.42	78.86
		For Work In Restricted Working Space, Add	*52.58*	
40 05 23 23-1098	EA	2" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	284.53	87.85
		For Work In Restricted Working Space, Add	*58.57*	
40 05 23 23-1099	EA	2-1/2" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	418.45	112.33
		For Work In Restricted Working Space, Add	*74.90*	
40 05 23 23-1100	EA	3" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	468.20	131.52
		For Work In Restricted Working Space, Add	*87.69*	
40 05 23 23-1101	EA	4" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	591.31	157.60
		For Work In Restricted Working Space, Add	*105.07*	
40 05 23 23-1102	EA	6" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	930.45	196.90
		For Work In Restricted Working Space, Add	*131.27*	
40 05 23 23-1103	EA	8" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	1,444.87	338.80
		For Work In Restricted Working Space, Add	*225.87*	
40 05 23 23-1104	EA	10" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	2,094.06	451.73
		For Work In Restricted Working Space, Add	*301.16*	
40 05 23 23-1105	EA	12" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	3,031.74	677.60
		For Work In Restricted Working Space, Add	*451.74*	

40 05 23 23-1106 150#, Type 304 Stainless Steel Blind Flanges *(40 05 23 23-1019)*

40 05 23 23-1107	EA	1/2", 150#, Type 304 Stainless Steel Raised Face Blind Flange	63.10	11.24
		For Work In Restricted Working Space, Add	*7.50*	
40 05 23 23-1108	EA	3/4", 150#, Type 304 Stainless Steel Raised Face Blind Flange	65.81	11.92
		For Work In Restricted Working Space, Add	*7.96*	
40 05 23 23-1109	EA	1", 150#, Type 304 Stainless Steel Raised Face Blind Flange	71.13	13.11
		For Work In Restricted Working Space, Add	*8.75*	
40 05 23 23-1110	EA	1-1/4", 150#, Type 304 Stainless Steel Raised Face Blind Flange	92.29	14.60
		For Work In Restricted Working Space, Add	*9.74*	
40 05 23 23-1111	EA	1-1/2", 150#, Type 304 Stainless Steel Raised Face Blind Flange	103.68	19.73
		For Work In Restricted Working Space, Add	*13.15*	
40 05 23 23-1112	EA	2", 150#, Type 304 Stainless Steel Raised Face Blind Flange	122.81	21.90
		For Work In Restricted Working Space, Add	*14.60*	
40 05 23 23-1113	EA	2-1/2", 150#, Type 304 Stainless Steel Raised Face Blind Flange	167.93	28.16
		For Work In Restricted Working Space, Add	*18.78*	
40 05 23 23-1114	EA	3", 150#, Type 304 Stainless Steel Raised Face Blind Flange	203.77	39.46
		For Work In Restricted Working Space, Add	*26.31*	
40 05 23 23-1115	EA	4", 150#, Type 304 Stainless Steel Raised Face Blind Flange	308.64	65.75
		For Work In Restricted Working Space, Add	*43.84*	
40 05 23 23-1116	EA	6", 150#, Type 304 Stainless Steel Raised Face Blind Flange	425.40	84.55
		For Work In Restricted Working Space, Add	*56.37*	
40 05 23 23-1117	EA	8", 150#, Type 304 Stainless Steel Raised Face Blind Flange	669.09	105.40
		For Work In Restricted Working Space, Add	*70.27*	
40 05 23 23-1118	EA	10", 150#, Type 304 Stainless Steel Raised Face Blind Flange	1,036.46	126.49
		For Work In Restricted Working Space, Add	*84.32*	
40 05 23 23-1119	EA	12", 150#, Type 304 Stainless Steel Raised Face Blind Flange	1,373.69	158.11
		For Work In Restricted Working Space, Add	*105.41*	
40 05 23 23-1120	EA	14", 150#, Type 304 Stainless Steel Raised Face Blind Flange	1,747.00	197.64
		For Work In Restricted Working Space, Add	*131.76*	
40 05 23 23-1121	EA	16", 150#, Type 304 Stainless Steel Raised Face Blind Flange	2,260.41	225.44
		For Work In Restricted Working Space, Add	*150.29*	
40 05 23 23-1122	EA	18", 150#, Type 304 Stainless Steel Raised Face Blind Flange	2,669.11	282.34
		For Work In Restricted Working Space, Add	*188.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1123	EA	20", 150#, Type 304 Stainless Steel Raised Face Blind Flange	3,541.04	395.27
		For Work In Restricted Working Space, Add	*263.51*	
40 05 23 23-1124	EA	24", 150#, Type 304 Stainless Steel Raised Face Blind Flange	5,159.43	564.67
		For Work In Restricted Working Space, Add	*376.45*	
40 05 23 23-1125		**300#, Type 304 Stainless Steel Blind Flanges** *(40 05 23 23-1019)*		
40 05 23 23-1126	EA	1/2", 300#, Type 304 Stainless Steel Raised Face Blind Flange	81.28	11.24
		For Work In Restricted Working Space, Add	*7.50*	
40 05 23 23-1127	EA	3/4", 300#, Type 304 Stainless Steel Raised Face Blind Flange	82.81	11.92
		For Work In Restricted Working Space, Add	*7.96*	
40 05 23 23-1128	EA	1", 300#, Type 304 Stainless Steel Raised Face Blind Flange	85.43	13.11
		For Work In Restricted Working Space, Add	*8.75*	
40 05 23 23-1129	EA	1-1/4", 300#, Type 304 Stainless Steel Raised Face Blind Flange	109.25	14.60
		For Work In Restricted Working Space, Add	*9.74*	
40 05 23 23-1130	EA	1-1/2", 300#, Type 304 Stainless Steel Raised Face Blind Flange	120.64	19.73
		For Work In Restricted Working Space, Add	*13.15*	
40 05 23 23-1131	EA	2", 300#, Type 304 Stainless Steel Raised Face Blind Flange	131.73	21.90
		For Work In Restricted Working Space, Add	*14.60*	
40 05 23 23-1132	EA	2-1/2", 300#, Type 304 Stainless Steel Raised Face Blind Flange	230.43	28.16
		For Work In Restricted Working Space, Add	*18.78*	
40 05 23 23-1133	EA	3", 300#, Type 304 Stainless Steel Raised Face Blind Flange	262.26	39.46
		For Work In Restricted Working Space, Add	*26.31*	
40 05 23 23-1134	EA	4", 300#, Type 304 Stainless Steel Raised Face Blind Flange	381.83	65.75
		For Work In Restricted Working Space, Add	*43.84*	
40 05 23 23-1135	EA	6", 300#, Type 304 Stainless Steel Raised Face Blind Flange	727.18	84.55
		For Work In Restricted Working Space, Add	*56.37*	
40 05 23 23-1136	EA	8", 300#, Type 304 Stainless Steel Raised Face Blind Flange	1,029.80	105.40
		For Work In Restricted Working Space, Add	*70.27*	
40 05 23 23-1137	EA	10", 300#, Type 304 Stainless Steel Raised Face Blind Flange	1,475.72	126.49
		For Work In Restricted Working Space, Add	*84.32*	
40 05 23 23-1138	EA	12", 300#, Type 304 Stainless Steel Raised Face Blind Flange	2,047.81	158.11
		For Work In Restricted Working Space, Add	*105.41*	
40 05 23 23-1139	EA	14", 300#, Type 304 Stainless Steel Raised Face Blind Flange	2,871.35	197.64
		For Work In Restricted Working Space, Add	*131.76*	
40 05 23 23-1140	EA	16", 300#, Type 304 Stainless Steel Raised Face Blind Flange	3,679.95	225.44
		For Work In Restricted Working Space, Add	*150.29*	
40 05 23 23-1141	EA	18", 300#, Type 304 Stainless Steel Raised Face Blind Flange	4,805.49	282.34
		For Work In Restricted Working Space, Add	*188.23*	
40 05 23 23-1142	EA	20", 300#, Type 304 Stainless Steel Raised Face Blind Flange	6,075.74	395.27
		For Work In Restricted Working Space, Add	*263.51*	
40 05 23 23-1143	EA	24", 300#, Type 304 Stainless Steel Raised Face Blind Flange	9,328.39	564.67
		For Work In Restricted Working Space, Add	*376.45*	
40 05 23 23-1144		**150#, Type 316 Stainless Steel Raised Face Threaded Flange** *(40 05 23 23-1019)*		
40 05 23 23-1145	EA	1/2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange	94.06	18.89
		For Work In Restricted Working Space, Add	*11.33*	
40 05 23 23-1146	EA	3/4", 150#, Type 316 Stainless Steel Raised Face Threaded Flange	115.57	25.19
		For Work In Restricted Working Space, Add	*15.11*	
40 05 23 23-1147	EA	1", 150#, Type 316 Stainless Steel Raised Face Threaded Flange	132.08	31.23
		For Work In Restricted Working Space, Add	*18.74*	
40 05 23 23-1148	EA	1-1/4", 150#, Type 316 Stainless Steel Raised Face Threaded Flange	181.22	44.20
		For Work In Restricted Working Space, Add	*26.51*	
40 05 23 23-1149	EA	1-1/2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange	192.51	49.83
		For Work In Restricted Working Space, Add	*29.90*	
40 05 23 23-1150	EA	2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange	241.82	63.29
		For Work In Restricted Working Space, Add	*37.98*	
40 05 23 23-1151	EA	2-1/2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange	357.69	97.55
		For Work In Restricted Working Space, Add	*58.55*	
40 05 23 23-1152	EA	3", 150#, Type 316 Stainless Steel Raised Face Threaded Flange	430.43	199.08
		For Work In Restricted Working Space, Add	*74.75*	
40 05 23 23-1153	EA	4", 150#, Type 316 Stainless Steel Raised Face Threaded Flange	562.28	156.10
		For Work In Restricted Working Space, Add	*93.68*	
40 05 23 23-1154		**300#, Type 316 Stainless Steel Raised Face Threaded Flange** *(40 05 23 23-1019)*		
40 05 23 23-1155	EA	1/2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange	124.41	18.89
		For Work In Restricted Working Space, Add	*11.33*	
40 05 23 23-1156	EA	3/4", 300#, Type 316 Stainless Steel Raised Face Threaded Flange	136.99	25.19
		For Work In Restricted Working Space, Add	*15.11*	
40 05 23 23-1157	EA	1", 300#, Type 316 Stainless Steel Raised Face Threaded Flange	149.08	31.23
		For Work In Restricted Working Space, Add	*18.74*	
40 05 23 23-1158	EA	1-1/4", 300#, Type 316 Stainless Steel Raised Face Threaded Flange	230.37	44.20
		For Work In Restricted Working Space, Add	*26.51*	
40 05 23 23-1159	EA	1-1/2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange	241.66	49.83
		For Work In Restricted Working Space, Add	*29.90*	
40 05 23 23-1160	EA	2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange	283.75	63.29
		For Work In Restricted Working Space, Add	*37.98*	
40 05 23 23-1161	EA	2-1/2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange	477.33	97.55
		For Work In Restricted Working Space, Add	*58.55*	
40 05 23 23-1162	EA	3", 300#, Type 316 Stainless Steel Raised Face Threaded Flange	540.23	199.08
		For Work In Restricted Working Space, Add	*74.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1163	EA	4", 300#, Type 316 Stainless Steel Raised Face Threaded Flange	744.42	156.10
		For Work In Restricted Working Space, Add	*93.68*	

40 05 23 23-1164 150#, Type 316 Stainless Steel Raised Face Weld Neck Flange *(40 05 23 23-1019)*

40 05 23 23-1165	EA	1/2", 150#, Type 316 Stainless Steel Weld Neck Flange	123.19	28.11
		For Work In Restricted Working Space, Add	*18.75*	
40 05 23 23-1166	EA	3/4", 150#, Type 316 Stainless Steel Weld Neck Flange	131.53	29.84
		For Work In Restricted Working Space, Add	*19.90*	
40 05 23 23-1167	EA	1", 150#, Type 316 Stainless Steel Weld Neck Flange	147.89	32.80
		For Work In Restricted Working Space, Add	*21.87*	
40 05 23 23-1168	EA	1-1/4", 150#, Type 316 Stainless Steel Weld Neck Flange	183.98	35.77
		For Work In Restricted Working Space, Add	*23.85*	
40 05 23 23-1169	EA	1-1/2", 150#, Type 316 Stainless Steel Weld Neck Flange	192.11	39.43
		For Work In Restricted Working Space, Add	*26.29*	
40 05 23 23-1170	EA	2", 150#, Type 316 Stainless Steel Weld Neck Flange	211.02	43.93
		For Work In Restricted Working Space, Add	*29.28*	
40 05 23 23-1171	EA	2-1/2", 150#, Type 316 Stainless Steel Weld Neck Flange	301.59	56.17
		For Work In Restricted Working Space, Add	*37.45*	
40 05 23 23-1172	EA	3", 150#, Type 316 Stainless Steel Weld Neck Flange	329.19	65.77
		For Work In Restricted Working Space, Add	*43.85*	
40 05 23 23-1173	EA	4", 150#, Type 316 Stainless Steel Weld Neck Flange	444.78	78.80
		For Work In Restricted Working Space, Add	*52.53*	
40 05 23 23-1174	EA	6", 150#, Type 316 Stainless Steel Weld Neck Flange	684.89	98.45
		For Work In Restricted Working Space, Add	*65.64*	
40 05 23 23-1175	EA	8", 150#, Type 316 Stainless Steel Weld Neck Flange	1,145.22	169.40
		For Work In Restricted Working Space, Add	*112.94*	
40 05 23 23-1176	EA	10", 150#, Type 316 Stainless Steel Weld Neck Flange	1,677.86	225.86
		For Work In Restricted Working Space, Add	*150.58*	
40 05 23 23-1177	EA	12", 150#, Type 316 Stainless Steel Weld Neck Flange	2,502.06	338.80
		For Work In Restricted Working Space, Add	*225.87*	
40 05 23 23-1178	EA	14", 150#, Type 316 Stainless Steel Weld Neck Flange	2,927.96	395.27
		For Work In Restricted Working Space, Add	*263.51*	
40 05 23 23-1179	EA	16", 150#, Type 316 Stainless Steel Weld Neck Flange	3,676.52	450.88
		For Work In Restricted Working Space, Add	*300.59*	
40 05 23 23-1180	EA	18", 150#, Type 316 Stainless Steel Weld Neck Flange	4,503.84	564.67
		For Work In Restricted Working Space, Add	*376.45*	
40 05 23 23-1181	EA	20", 150#, Type 316 Stainless Steel Weld Neck Flange	5,804.54	790.54
		For Work In Restricted Working Space, Add	*527.03*	
40 05 23 23-1182	EA	24", 150#, Type 316 Stainless Steel Weld Neck Flange	8,245.74	1,129.33
		For Work In Restricted Working Space, Add	*752.90*	

40 05 23 23-1183 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange *(40 05 23 23-1019)*

40 05 23 23-1184	EA	1/2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	157.14	28.11
		For Work In Restricted Working Space, Add	*18.75*	
40 05 23 23-1185	EA	3/4" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	160.97	29.84
		For Work In Restricted Working Space, Add	*19.90*	
40 05 23 23-1186	EA	1" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	167.55	32.80
		For Work In Restricted Working Space, Add	*21.87*	
40 05 23 23-1187	EA	1-1/4" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	221.50	35.77
		For Work In Restricted Working Space, Add	*23.85*	
40 05 23 23-1188	EA	1-1/2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	229.63	39.43
		For Work In Restricted Working Space, Add	*26.29*	
40 05 23 23-1189	EA	2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	251.20	43.93
		For Work In Restricted Working Space, Add	*29.28*	
40 05 23 23-1190	EA	2-1/2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	372.16	56.17
		For Work In Restricted Working Space, Add	*37.45*	
40 05 23 23-1191	EA	3" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	405.98	65.77
		For Work In Restricted Working Space, Add	*43.85*	
40 05 23 23-1192	EA	4" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	619.74	78.80
		For Work In Restricted Working Space, Add	*52.53*	
40 05 23 23-1193	EA	6" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	1,014.35	98.45
		For Work In Restricted Working Space, Add	*65.64*	
40 05 23 23-1194	EA	8" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	1,611.32	169.40
		For Work In Restricted Working Space, Add	*112.94*	
40 05 23 23-1195	EA	10" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	2,319.82	225.86
		For Work In Restricted Working Space, Add	*150.58*	
40 05 23 23-1196	EA	12" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	3,408.28	338.80
		For Work In Restricted Working Space, Add	*225.87*	
40 05 23 23-1197	EA	14" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	4,615.62	395.27
		For Work In Restricted Working Space, Add	*263.51*	
40 05 23 23-1198	EA	16" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	5,734.42	450.88
		For Work In Restricted Working Space, Add	*300.59*	
40 05 23 23-1199	EA	18" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	7,334.97	564.67
		For Work In Restricted Working Space, Add	*376.45*	
40 05 23 23-1200	EA	20" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	9,407.48	790.54
		For Work In Restricted Working Space, Add	*527.03*	
40 05 23 23-1201	EA	24" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	13,718.79	1,129.33
		For Work In Restricted Working Space, Add	*752.90*	

40 05 23 23-1202 150#, Type 316 Stainless Steel Raised Face Slip-On Flanges *(40 05 23 23-1019)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1203	EA	1/2", 150#, Type 316 Stainless Steel Slip-On Flange	171.40	56.23
		For Work In Restricted Working Space, Add	*37.49*	
40 05 23 23-1204	EA	3/4", 150#, Type 316 Stainless Steel Slip-On Flange	185.36	59.68
		For Work In Restricted Working Space, Add	*39.79*	
40 05 23 23-1205	EA	1", 150#, Type 316 Stainless Steel Slip-On Flange	204.40	65.60
		For Work In Restricted Working Space, Add	*43.73*	
40 05 23 23-1206	EA	1-1/4", 150#, Type 316 Stainless Steel Slip-On Flange	280.77	71.55
		For Work In Restricted Working Space, Add	*47.70*	
40 05 23 23-1207	EA	1-1/2", 150#, Type 316 Stainless Steel Slip-On Flange	251.15	78.86
		For Work In Restricted Working Space, Add	*52.58*	
40 05 23 23-1208	EA	2", 150#, Type 316 Stainless Steel Slip-On Flange	271.13	87.85
		For Work In Restricted Working Space, Add	*58.57*	
40 05 23 23-1209	EA	2-1/2", 150#, Type 316 Stainless Steel Slip-On Flange	345.22	112.33
		For Work In Restricted Working Space, Add	*74.90*	
40 05 23 23-1210	EA	3", 150#, Type 316 Stainless Steel Slip-On Flange	428.93	131.52
		For Work In Restricted Working Space, Add	*87.69*	
40 05 23 23-1211	EA	4", 150#, Type 316 Stainless Steel Slip-On Flange	559.15	157.60
		For Work In Restricted Working Space, Add	*105.07*	
40 05 23 23-1212	EA	6", 150#, Type 316 Stainless Steel Slip-On Flange	753.64	196.90
		For Work In Restricted Working Space, Add	*131.27*	
40 05 23 23-1213	EA	8", 150#, Type 316 Stainless Steel Slip-On Flange	1,367.17	338.80
		For Work In Restricted Working Space, Add	*225.87*	
40 05 23 23-1214	EA	10" 150#, Type 316 Stainless Steel Raised Face Slip-On Flange	1,920.86	451.73
		For Work In Restricted Working Space, Add	*301.16*	
40 05 23 23-1215	EA	12" 150#, Type 316 Stainless Steel Raised Face Slip-On Flange	2,822.77	677.60
		For Work In Restricted Working Space, Add	*451.74*	

40 05 23 23-1216 300#, Type 316 Stainless Steel Raised Face Slip-On Flanges *(40 05 23 23-1019)*

40 05 23 23-1217	EA	1/2" 300#, Type 316 Stainless Steel Raised Neck Slip-On Flange	196.38	56.23
		For Work In Restricted Working Space, Add	*37.49*	
40 05 23 23-1218	EA	3/4" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	204.07	59.68
		For Work In Restricted Working Space, Add	*39.79*	
40 05 23 23-1219	EA	1" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	217.21	65.60
		For Work In Restricted Working Space, Add	*43.73*	
40 05 23 23-1220	EA	1-1/4" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	275.99	71.55
		For Work In Restricted Working Space, Add	*47.70*	
40 05 23 23-1221	EA	1-1/2" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	292.24	78.86
		For Work In Restricted Working Space, Add	*52.58*	
40 05 23 23-1222	EA	2" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	317.45	87.85
		For Work In Restricted Working Space, Add	*58.57*	
40 05 23 23-1223	EA	2-1/2" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	496.10	112.33
		For Work In Restricted Working Space, Add	*74.90*	
40 05 23 23-1224	EA	3" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	547.66	131.52
		For Work In Restricted Working Space, Add	*87.69*	
40 05 23 23-1225	EA	4" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	714.50	157.60
		For Work In Restricted Working Space, Add	*105.07*	
40 05 23 23-1226	EA	6" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	1,109.93	196.90
		For Work In Restricted Working Space, Add	*131.27*	
40 05 23 23-1227	EA	8" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	1,629.71	338.80
		For Work In Restricted Working Space, Add	*225.87*	
40 05 23 23-1228	EA	10" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	2,695.85	451.73
		For Work In Restricted Working Space, Add	*301.16*	
40 05 23 23-1229	EA	12" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	3,562.10	677.60
		For Work In Restricted Working Space, Add	*451.74*	

40 05 23 23-1230 150#, Type 316 Stainless Steel Blind Flanges *(40 05 23 23-1019)*

40 05 23 23-1231	EA	1/2", 150#, Type 316 Stainless Steel Raised Face Blind Flange	71.45	11.24
		For Work In Restricted Working Space, Add	*7.50*	
40 05 23 23-1232	EA	3/4", 150#, Type 316 Stainless Steel Raised Face Blind Flange	81.00	11.92
		For Work In Restricted Working Space, Add	*7.96*	
40 05 23 23-1233	EA	1", 150#, Type 316 Stainless Steel Raised Face Blind Flange	91.65	13.11
		For Work In Restricted Working Space, Add	*8.75*	
40 05 23 23-1234	EA	1-1/4", 150#, Type 316 Stainless Steel Raised Face Blind Flange	108.34	14.60
		For Work In Restricted Working Space, Add	*9.74*	
40 05 23 23-1235	EA	1-1/2", 150#, Type 316 Stainless Steel Raised Face Blind Flange	119.73	19.73
		For Work In Restricted Working Space, Add	*13.15*	
40 05 23 23-1236	EA	2", 150#, Type 316 Stainless Steel Raised Face Blind Flange	149.59	21.90
		For Work In Restricted Working Space, Add	*14.60*	
40 05 23 23-1237	EA	2-1/2", 150#, Type 316 Stainless Steel Raised Face Blind Flange	209.91	28.16
		For Work In Restricted Working Space, Add	*18.78*	
40 05 23 23-1238	EA	3", 150#, Type 316 Stainless Steel Raised Face Blind Flange	250.22	39.46
		For Work In Restricted Working Space, Add	*26.31*	
40 05 23 23-1239	EA	4", 150#, Type 316 Stainless Steel Raised Face Blind Flange	387.20	65.75
		For Work In Restricted Working Space, Add	*43.84*	
40 05 23 23-1240	EA	6", 150#, Type 316 Stainless Steel Raised Face Blind Flange	551.31	84.55
		For Work In Restricted Working Space, Add	*56.37*	
40 05 23 23-1241	EA	8", 150#, Type 316 Stainless Steel Raised Face Blind Flange	969.96	105.40
		For Work In Restricted Working Space, Add	*70.27*	
40 05 23 23-1242	EA	10", 150#, Type 316 Stainless Steel Raised Face Blind Flange	1,273.97	126.49
		For Work In Restricted Working Space, Add	*84.32*	
40 05 23 23-1243	EA	12", 150#, Type 316 Stainless Steel Raised Face Blind Flange	2,058.54	158.11
		For Work In Restricted Working Space, Add	*105.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1244	EA	14", 150#, Type 316 Stainless Steel Raised Face Blind Flange	2,448.17	197.64
		For Work In Restricted Working Space, Add	*131.76*	
40 05 23 23-1245	EA	16", 150#, Type 316 Stainless Steel Raised Face Blind Flange	3,203.70	225.44
		For Work In Restricted Working Space, Add	*150.29*	
40 05 23 23-1246	EA	18", 150#, Type 316 Stainless Steel Raised Face Blind Flange	3,763.73	282.34
		For Work In Restricted Working Space, Add	*188.23*	
40 05 23 23-1247	EA	20", 150#, Type 316 Stainless Steel Raised Face Blind Flange	4,968.60	395.27
		For Work In Restricted Working Space, Add	*263.51*	
40 05 23 23-1248	EA	24", 150#, Type 316 Stainless Steel Raised Face Blind Flange	7,252.84	564.67
		For Work In Restricted Working Space, Add	*376.45*	

40 05 23 23-1249 300#, Type 316 Stainless Steel Blind Flanges *(40 05 23 23-1019)*

40 05 23 23-1250	EA	1/2", 300#, Type 316 Stainless Steel Raised Face Blind Flange	111.63	11.24
		For Work In Restricted Working Space, Add	*7.50*	
40 05 23 23-1251	EA	3/4", 300#, Type 316 Stainless Steel Raised Face Blind Flange	113.16	11.92
		For Work In Restricted Working Space, Add	*7.96*	
40 05 23 23-1252	EA	1", 300#, Type 316 Stainless Steel Raised Face Blind Flange	115.78	13.11
		For Work In Restricted Working Space, Add	*8.75*	
40 05 23 23-1253	EA	1-1/4", 300#, Type 316 Stainless Steel Raised Face Blind Flange	174.45	14.60
		For Work In Restricted Working Space, Add	*9.74*	
40 05 23 23-1254	EA	1-1/2", 300#, Type 316 Stainless Steel Raised Face Blind Flange	185.84	19.73
		For Work In Restricted Working Space, Add	*13.15*	
40 05 23 23-1255	EA	2", 300#, Type 316 Stainless Steel Raised Face Blind Flange	205.82	21.90
		For Work In Restricted Working Space, Add	*14.60*	
40 05 23 23-1256	EA	2-1/2", 300#, Type 316 Stainless Steel Raised Face Blind Flange	344.75	28.16
		For Work In Restricted Working Space, Add	*18.78*	
40 05 23 23-1257	EA	3", 300#, Type 316 Stainless Steel Raised Face Blind Flange	378.78	39.46
		For Work In Restricted Working Space, Add	*26.31*	
40 05 23 23-1258	EA	4", 300#, Type 316 Stainless Steel Raised Face Blind Flange	578.26	65.75
		For Work In Restricted Working Space, Add	*43.84*	
40 05 23 23-1259	EA	6", 300#, Type 316 Stainless Steel Raised Face Blind Flange	1,062.05	84.55
		For Work In Restricted Working Space, Add	*56.37*	
40 05 23 23-1260	EA	8", 300#, Type 316 Stainless Steel Raised Face Blind Flange	1,376.26	105.40
		For Work In Restricted Working Space, Add	*70.27*	
40 05 23 23-1261	EA	10", 300#, Type 316 Stainless Steel Raised Face Blind Flange	2,482.91	126.49
		For Work In Restricted Working Space, Add	*84.32*	
40 05 23 23-1262	EA	12", 300#, Type 316 Stainless Steel Raised Face Blind Flange	3,027.30	158.11
		For Work In Restricted Working Space, Add	*105.41*	
40 05 23 23-1263	EA	14", 300#, Type 316 Stainless Steel Raised Face Blind Flange	4,375.80	197.64
		For Work In Restricted Working Space, Add	*131.76*	
40 05 23 23-1264	EA	16", 300#, Type 316 Stainless Steel Raised Face Blind Flange	5,646.35	225.44
		For Work In Restricted Working Space, Add	*150.29*	
40 05 23 23-1265	EA	18", 300#, Type 316 Stainless Steel Raised Face Blind Flange	7,389.90	282.34
		For Work In Restricted Working Space, Add	*188.23*	
40 05 23 23-1266	EA	20", 300#, Type 316 Stainless Steel Raised Face Blind Flange	9,290.65	395.27
		For Work In Restricted Working Space, Add	*263.51*	
40 05 23 23-1267	EA	24", 300#, Type 316 Stainless Steel Raised Face Blind Flange	14,322.42	564.67
		For Work In Restricted Working Space, Add	*376.45*	

40 05 23 23-1268 Type 316 Seamless Annealed Tubing *(40 05 23 23)*

Note: For high-pressure air (8000 PSIG working pressure).

40 05 23 23-1269 Type 316 Seamless Annealed Tubing *(40 05 23 23-1268)*

40 05 23 23-1270	LF	3/8" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .065 Wall Thickness	20.59
40 05 23 23-1271	LF	1/2" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .083 Wall Thickness	25.40
40 05 23 23-1272	LF	3/4" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .120 Wall Thickness	30.65

40 05 23 23-1273 Type 316 Seamless Annealed Tubing Fittings *(40 05 23 23-1268)*

Note: Pressure rating 5000 PSI minimum. Includes front and back ferrules.

40 05 23 23-1274	EA	3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Connector With Front And Back Ferrules	68.86
40 05 23 23-1275	EA	3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Elbow With Front And Back Ferrules	73.92
40 05 23 23-1276	EA	3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Tee With Front And Back Ferrules	113.41
40 05 23 23-1277	EA	3/8" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	66.68
40 05 23 23-1278	EA	3/8" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules	110.03
40 05 23 23-1279	EA	1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Connector With Front And Back Ferrules	81.88
40 05 23 23-1280	EA	1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Elbow With Front And Back Ferrules	103.56
40 05 23 23-1281	EA	1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Branch Tee With Front And Back Ferrules	159.59
40 05 23 23-1282	EA	1/2" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	101.86
40 05 23 23-1283	EA	1/2" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules	156.60
40 05 23 23-1284	EA	3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Connector With Front And Back Ferrules	98.54
40 05 23 23-1285	EA	3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Elbow With Front And Back Ferrules	128.21
40 05 23 23-1286	EA	3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Branch Tee With Front And Back Ferrules	213.28
40 05 23 23-1287	EA	3/4" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	176.71
40 05 23 23-1288	EA	3/4" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules	217.08

40 05 23 23-1289 Valves For High Pressure Air (5,000 PSIG) *(40 05 23 23-1268)*

40 05 23 23-1290 Needle Valves *(40 05 23 23-1289)*

40 05 23 23-1291	EA	3/8" Tube Fitting Outside Diameter Stainless Steel With Needle Valve Cartridge	415.50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1292	EA	1/2" Tube Fitting Outside Diameter Stainless Steel With Needle Valve Cartridge	663.31	
40 05 23 23-1293		Safety Valve (Code Stamped) Work Pressure, 6,000 PSIG *(40 05 23 23-1289)*		
40 05 23 23-1294	EA	1/4" NPT Inlet, Safety Valve Spring Loaded 316 Stainless Steel Construction	398.96	
40 05 23 23-1295		Other Valves Working Pressure 6,000 PSI *(40 05 23 23-1289)*		
40 05 23 23-1296	EA	1/4" NPT Pressure Reducing Valve Spring Loaded, Stainless Steel Body, 6,000 PSIG	1,676.26	
40 05 23 23-1297	EA	1/4" NPT Pressure Gauge, Liquid Filled, 6,000 PSIG, Blow Out Back	415.27	
40 05 23 23-1298	EA	Snubber 316 Stainless Steel Body, Rated For Design Pressure With Sinterec Element	77.22	
40 05 31		**Thermoplastic Process Pipe** *(40 05)*		
40 05 31 43		**Polypropylene Process Pipe** *(40 05 31)*		
40 05 31 43-0001		Polypropylene (PP) Lined Steel Piping System *(40 05 31 43)*		
40 05 31 43-0002		Polypropylene (PP) Lined Pipe And Fittings *(40 05 31 43-0001)*		
40 05 31 43-0003		Pipe *(40 05 31 43-0002)*		
40 05 31 43-0004	LF	3/4" Polypropylene (PP) Lined Pipe	114.08	2.27
40 05 31 43-0005	LF	1" Polypropylene (PP) Lined Pipe	114.45	2.48
40 05 31 43-0006	LF	1-1/4" Polypropylene (PP) Lined Pipe	155.41	2.70
40 05 31 43-0007	LF	1-1/2" Polypropylene (PP) Lined Pipe	155.51	2.70
40 05 31 43-0008	LF	2" Polypropylene (PP) Lined Pipe	148.92	3.23
40 05 31 43-0009	LF	2-1/2" Polypropylene (PP) Lined Pipe	219.05	3.88
40 05 31 43-0010	LF	3" Polypropylene (PP) Lined Pipe	261.52	4.63
40 05 31 43-0011	LF	4" Polypropylene (PP) Lined Pipe	385.54	7.01
40 05 31 43-0012	LF	6" Polypropylene (PP) Lined Pipe	666.26	9.27
40 05 31 43-0013	LF	8" Polypropylene (PP) Lined Pipe	1,036.89	11.10
40 05 31 43-0014		90 Degree Elbows *(40 05 31 43-0002)*		
40 05 31 43-0015	EA	3/4" 90 Degree Elbow, Polypropylene (PP) Lined	881.24	9.27
40 05 31 43-0016	EA	1" 90 Degree Elbow, Polypropylene (PP) Lined	886.81	11.53
40 05 31 43-0017	EA	1-1/4" 90 Degree Elbow, Polypropylene (PP) Lined	926.67	16.28
40 05 31 43-0018	EA	1-1/2" 90 Degree Elbow, Polypropylene (PP) Lined	931.87	18.32
40 05 31 43-0019	EA	2" 90 Degree Elbow, Polypropylene (PP) Lined	1,071.97	23.28
40 05 31 43-0020	EA	2-1/2" 90 Degree Elbow, Polypropylene (PP) Lined	1,355.37	34.49
40 05 31 43-0021	EA	3" 90 Degree Elbow, Polypropylene (PP) Lined	1,638.02	45.38
40 05 31 43-0022	EA	4" 90 Degree Elbow, Polypropylene (PP) Lined	2,433.55	53.90
40 05 31 43-0023	EA	6" 90 Degree Elbow, Polypropylene (PP) Lined	3,801.76	61.55
40 05 31 43-0024	EA	8" 90 Degree Elbow, Polypropylene (PP) Lined	5,964.98	77.61
40 05 31 43-0025		45 Degree Elbows *(40 05 31 43-0002)*		
40 05 31 43-0026	EA	3/4" 45 Degree Elbow, Polypropylene (PP) Lined	777.74	9.27
40 05 31 43-0027	EA	1" 45 Degree Elbow, Polypropylene (PP) Lined	783.31	11.53
40 05 31 43-0028	EA	1-1/4" 45 Degree Elbow, Polypropylene (PP) Lined	886.95	16.28
40 05 31 43-0029	EA	1-1/2" 45 Degree Elbow, Polypropylene (PP) Lined	892.15	18.32
40 05 31 43-0030	EA	2" 45 Degree Elbow, Polypropylene (PP) Lined	1,025.43	23.28
40 05 31 43-0031	EA	2-1/2" 45 Degree Elbow, Polypropylene (PP) Lined	1,370.24	34.49
40 05 31 43-0032	EA	3" 45 Degree Elbow, Polypropylene (PP) Lined	1,710.13	45.38
40 05 31 43-0033	EA	4" 45 Degree Elbow, Polypropylene (PP) Lined	2,248.35	53.90
40 05 31 43-0034	EA	6" 45 Degree Elbow, Polypropylene (PP) Lined	3,935.14	61.55
40 05 31 43-0035	EA	8" 45 Degree Elbow, Polypropylene (PP) Lined	6,016.05	71.90
40 05 31 43-0036		Tees *(40 05 31 43-0002)*		
40 05 31 43-0037	EA	3/4" Tee, Polypropylene (PP) Lined	1,188.24	13.90
40 05 31 43-0038	EA	1" Tee, Polypropylene (PP) Lined	1,199.34	18.32
40 05 31 43-0039	EA	1-1/4" Tee, Polypropylene (PP) Lined	1,413.75	23.28
40 05 31 43-0040	EA	1-1/2" Tee, Polypropylene (PP) Lined	1,425.03	27.81
40 05 31 43-0041	EA	2" Tee, Polypropylene (PP) Lined	1,627.45	34.49
40 05 31 43-0042	EA	2-1/2" Tee, Polypropylene (PP) Lined	1,908.83	45.38
40 05 31 43-0043	EA	3" Tee, Polypropylene (PP) Lined	2,184.26	53.90
40 05 31 43-0044	EA	4" Tee, Polypropylene (PP) Lined	2,851.53	71.90
40 05 31 43-0045	EA	6" Tee, Polypropylene (PP) Lined	3,890.88	92.70
40 05 31 43-0046	EA	8" Tee, Polypropylene (PP) Lined	7,429.67	114.90
40 05 31 43-0047		Crosses *(40 05 31 43-0002)*		
40 05 31 43-0048	EA	3/4" Cross, Polypropylene (PP) Lined	1,698.31	18.54
40 05 31 43-0049	EA	1" Cross, Polypropylene (PP) Lined	1,710.14	23.28
40 05 31 43-0050	EA	1-1/4" Cross, Polypropylene (PP) Lined	2,085.25	32.77
40 05 31 43-0051	EA	1-1/2" Cross, Polypropylene (PP) Lined	2,095.07	36.65
40 05 31 43-0052	EA	2" Cross, Polypropylene (PP) Lined	2,366.19	46.57
40 05 31 43-0053	EA	2-1/2" Cross, Polypropylene (PP) Lined	2,737.41	68.99
40 05 31 43-0054	EA	3" Cross, Polypropylene (PP) Lined	3,628.78	90.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 31 43-0055	EA	4" Cross, Polypropylene (PP) Lined	4,069.27	107.79
40 05 31 43-0056	EA	6" Cross, Polypropylene (PP) Lined	7,152.51	123.31
40 05 31 43-0057	EA	8" Cross, Polypropylene (PP) Lined	9,059.56	143.90
40 05 31 43-0058		**Reducers** *(40 05 31 43-0002)*		
40 05 31 43-0059	EA	1" Reducer, Polypropylene (PP) Lined	1,571.35	11.53
40 05 31 43-0060	EA	1-1/4" Reducer, Polypropylene (PP) Lined	1,583.27	16.28
40 05 31 43-0061	EA	1-1/2" Reducer, Polypropylene (PP) Lined	1,588.47	18.32
40 05 31 43-0062	EA	2" Reducer, Polypropylene (PP) Lined	1,870.04	23.28
40 05 31 43-0063	EA	2-1/2" Reducer, Polypropylene (PP) Lined	2,156.84	34.49
40 05 31 43-0064	EA	3" Reducer, Polypropylene (PP) Lined	2,401.48	45.38
40 05 31 43-0065	EA	4" Reducer, Polypropylene (PP) Lined	3,137.12	53.90
40 05 31 43-0066	EA	6" Reducer, Polypropylene (PP) Lined	4,341.80	61.55
40 05 31 43-0067	EA	8" Reducer, Polypropylene (PP) Lined	7,043.72	71.90
40 05 31 43-0068		**Unions** *(40 05 31 43-0002)*		
40 05 31 43-0069	EA	3/4" Union, Polypropylene (PP) Lined	1,294.07	13.90
40 05 31 43-0070	EA	1" Union, Polypropylene (PP) Lined	1,485.06	18.32
40 05 31 43-0071	EA	1-1/4" Union, Polypropylene (PP) Lined	2,910.92	23.28
40 05 31 43-0072	EA	1-1/2" Union, Polypropylene (PP) Lined	3,297.45	27.81
40 05 31 43-0073	EA	2" Union, Polypropylene (PP) Lined	4,460.34	34.49
40 05 31 43-0074	EA	2-1/2" Union, Polypropylene (PP) Lined	6,487.01	45.38
40 05 31 43-0075	EA	3" Union, Polypropylene (PP) Lined	8,281.59	53.90
40 05 31 43-0076	EA	4" Union, Polypropylene (PP) Lined	12,859.91	71.90
40 05 31 43-0077	EA	6" Union, Polypropylene (PP) Lined	17,229.64	92.70
40 05 31 43-0078	EA	8" Union, Polypropylene (PP) Lined	28,330.94	114.90
40 05 31 43-0079		**Blind Flanges** *(40 05 31 43-0002)*		
40 05 31 43-0080	EA	3/4" Blind Flanges, Polypropylene (PP) Lined	246.35	13.90
40 05 31 43-0081	EA	1" Blind Flange, Polypropylene (PP) Lined	257.45	18.32
40 05 31 43-0082	EA	1-1/4" Blind Flange, Polypropylene (PP) Lined	289.68	23.28
40 05 31 43-0083	EA	1-1/2" Blind Flange, Polypropylene (PP) Lined	300.96	27.81
40 05 31 43-0084	EA	2" Blind Flange, Polypropylene (PP) Lined	344.10	34.49
40 05 31 43-0085	EA	2-1/2" Blind Flange, Polypropylene (PP) Lined	430.84	45.38
40 05 31 43-0086	EA	3" Blind Flange, Polypropylene (PP) Lined	511.62	53.90
40 05 31 43-0087	EA	4" Blind Flange, Polypropylene (PP) Lined	642.49	71.90
40 05 31 43-0088	EA	6" Blind Flange, Polypropylene (PP) Lined	972.25	92.70
40 05 31 43-0089	EA	8" Blind Flange, Polypropylene (PP) Lined	1,457.61	114.90
40 05 31 43-0090		**Filler Flanges** *(40 05 31 43-0002)*		
40 05 31 43-0091	EA	1" Filler Flange, Polypropylene (PP) Lined	938.49	18.32
40 05 31 43-0092	EA	1-1/4" Filler Flange, Polypropylene (PP) Lined	1,175.69	23.28
40 05 31 43-0093	EA	1-1/2" Filler Flange, Polypropylene (PP) Lined	1,312.59	27.81
40 05 31 43-0094	EA	2" Filler Flange, Polypropylene (PP) Lined	1,501.19	34.49
40 05 31 43-0095	EA	2-1/2" Filler Flange, Polypropylene (PP) Lined	1,733.40	45.38
40 05 31 43-0096	EA	3" Filler Flange, Polypropylene (PP) Lined	1,959.65	53.90
40 05 31 43-0097	EA	4" Filler Flange, Polypropylene (PP) Lined	2,434.34	71.90
40 05 31 43-0098	EA	6" Filler Flange, Polypropylene (PP) Lined	3,332.73	92.70
40 05 31 43-0099	EA	8" Filler Flange, Polypropylene (PP) Lined	4,684.26	114.90
40 05 31 43-0100		**Polypropylene (PP) Lined Gate Valves** *(40 05 31 43-0001)*		
40 05 31 43-0101	EA	1" Flanged Gate Valve, Polypropylene (PP) Lined	1,987.62	90.77
40 05 31 43-0102	EA	1-1/4" Flanged Gate Valve, Polypropylene (PP) Lined	2,243.10	102.12
40 05 31 43-0103	EA	1-1/2" Flanged Gate Valve, Polypropylene (PP) Lined	2,531.64	113.18
40 05 31 43-0104	EA	2" Flanged Gate Valve, Polypropylene (PP) Lined	3,002.46	143.68
40 05 31 43-0105	EA	2-1/2" Flanged Gate Valve, Polypropylene (PP) Lined	3,959.44	163.59
40 05 31 43-0106	EA	3" Flanged Gate Valve, Polypropylene (PP) Lined	4,916.40	183.47
40 05 31 43-0107	EA	4" Flanged Gate Valve, Polypropylene (PP) Lined	6,228.93	307.97
40 05 31 43-0108	EA	6" Flanged Gate Valve, Polypropylene (PP) Lined	10,065.85	389.44
40 05 31 43-0109	EA	8" Flanged Gate Valve, Polypropylene (PP) Lined	21,142.51	492.76
40 05 31 43-0110		**Polypropylene (PP) Lined Check Valves** *(40 05 31 43-0001)*		
40 05 31 43-0111	EA	1" Flanged Check Valve, Polypropylene (PP) Lined	2,250.48	90.77
40 05 31 43-0112	EA	1-1/4" Flanged Check Valve, Polypropylene (PP) Lined	2,539.79	102.12
40 05 31 43-0113	EA	1-1/2" Flanged Check Valve, Polypropylene (PP) Lined	2,866.81	113.18
40 05 31 43-0114	EA	2" Flanged Check Valve, Polypropylene (PP) Lined	3,398.37	143.68
40 05 31 43-0115	EA	2-1/2" Flanged Check Valve, Polypropylene (PP) Lined	4,486.07	163.59
40 05 31 43-0116	EA	3" Flanged Check Valve, Polypropylene (PP) Lined	5,573.77	183.47
40 05 31 43-0117	EA	4" Flanged Check Valve, Polypropylene (PP) Lined	7,048.54	307.97
40 05 31 43-0118	EA	6" Flanged Check Valve, Polypropylene (PP) Lined	11,409.32	389.44
40 05 31 43-0119	EA	8" Flanged Check Valve, Polypropylene (PP) Lined	24,021.38	492.76
40 05 31 43-0120		**Polypropylene (PP) Lined Plug Valves** *(40 05 31 43-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 31 43-0121	EA	1" Flanged Plug Valve, Polypropylene (PP) Lined	1,972.98	90.77
40 05 31 43-0122	EA	1-1/4" Flanged Plug Valve, Polypropylene (PP) Lined	2,227.81	102.12
40 05 31 43-0123	EA	1-1/2" Flanged Plug Valve, Polypropylene (PP) Lined	2,511.81	113.18
40 05 31 43-0124	EA	2" Flanged Plug Valve, Polypropylene (PP) Lined	2,979.87	143.68
40 05 31 43-0125	EA	2-1/2" Flanged Plug Valve, Polypropylene (PP) Lined	3,930.84	163.59
40 05 31 43-0126	EA	3" Flanged Plug Valve, Polypropylene (PP) Lined	4,881.79	183.47
40 05 31 43-0127	EA	4" Flanged Plug Valve, Polypropylene (PP) Lined	6,185.95	307.97
40 05 31 43-0128	EA	6" Flanged Plug Valve, Polypropylene (PP) Lined	9,995.87	389.44
40 05 31 43-0129	EA	8" Flanged Plug Valve, Polypropylene (PP) Lined	19,860.17	492.76

40 05 31 53 PVDF Process Pipe *(40 05 31)*

40 05 31 53-0001 Polyvinylidene Fluoride (PVDF) Kynar Lined Steel Piping System *(40 05 31 53)*

40 05 31 53-0002 Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe And Fittings *(40 05 31 53-0001)*

40 05 31 53-0003 Pipe *(40 05 31 53-0002)*

40 05 31 53-0004	LF	3/4" Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe	107.97	2.27
40 05 31 53-0005	LF	1" Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe	108.34	2.48
40 05 31 53-0006	LF	1-1/4" Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe	121.53	2.70
40 05 31 53-0007	LF	1-1/2" Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe	121.63	2.70
40 05 31 53-0008	LF	2" Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe	133.76	3.23
40 05 31 53-0009	LF	2-1/2" Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe	172.08	3.88
40 05 31 53-0010	LF	3" Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe	209.00	4.63
40 05 31 53-0011	LF	4" Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe	292.24	7.01
40 05 31 53-0012	LF	6" Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe	470.68	9.27
40 05 31 53-0013	LF	8" Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe	734.12	11.10

40 05 31 53-0014 90 Degree Elbows *(40 05 31 53-0002)*

40 05 31 53-0015	EA	3/4" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	608.68	9.27
40 05 31 53-0016	EA	1" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	614.25	11.53
40 05 31 53-0017	EA	1-1/4" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	757.88	16.28
40 05 31 53-0018	EA	1-1/2" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	763.08	18.32
40 05 31 53-0019	EA	2" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	905.92	23.28
40 05 31 53-0020	EA	2-1/2" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,090.56	34.49
40 05 31 53-0021	EA	3" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,263.79	45.38
40 05 31 53-0022	EA	4" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,978.80	53.90
40 05 31 53-0023	EA	6" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	3,199.79	61.55
40 05 31 53-0024	EA	8" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	5,300.73	77.61

40 05 31 53-0025 45 Degree Elbows *(40 05 31 53-0002)*

40 05 31 53-0026	EA	3/4" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	731.24	9.27
40 05 31 53-0027	EA	1" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	736.81	11.53
40 05 31 53-0028	EA	1-1/4" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	812.90	16.28
40 05 31 53-0029	EA	1-1/2" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	818.10	18.32
40 05 31 53-0030	EA	2" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	987.16	23.28
40 05 31 53-0031	EA	2-1/2" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,134.63	34.49
40 05 31 53-0032	EA	3" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,435.59	45.38
40 05 31 53-0033	EA	4" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	2,065.17	53.90
40 05 31 53-0034	EA	6" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	3,433.96	61.55
40 05 31 53-0035	EA	8" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	4,529.01	71.90

40 05 31 53-0036 Tees *(40 05 31 53-0002)*

40 05 31 53-0037	EA	3/4" Tee, Polyvinylidene Fluoride (PVDF) Kynar Lined	979.49	13.90
40 05 31 53-0038	EA	1" Tee, Polyvinylidene Fluoride (PVDF) Kynar Lined	990.59	18.32
40 05 31 53-0039	EA	1-1/4" Tee, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,107.61	23.28
40 05 31 53-0040	EA	1-1/2" Tee, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,118.89	27.81
40 05 31 53-0041	EA	2" Tee, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,354.83	34.49
40 05 31 53-0042	EA	2-1/2" Tee, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,744.93	45.38
40 05 31 53-0043	EA	3" Tee, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,801.49	53.90
40 05 31 53-0044	EA	4" Tee, Polyvinylidene Fluoride (PVDF) Kynar Lined	2,727.86	71.90
40 05 31 53-0045	EA	6" Tee, Polyvinylidene Fluoride (PVDF) Kynar Lined	4,186.31	92.70
40 05 31 53-0046	EA	8" Tee, Polyvinylidene Fluoride (PVDF) Kynar Lined	6,317.42	114.90

40 05 31 53-0047 Crosses *(40 05 31 53-0002)*

40 05 31 53-0048	EA	3/4" Cross, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,369.44	18.54
40 05 31 53-0049	EA	1" Cross, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,381.28	23.28
40 05 31 53-0050	EA	1-1/4" Cross, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,606.94	32.77
40 05 31 53-0051	EA	1-1/2" Cross, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,616.76	36.65
40 05 31 53-0052	EA	2" Cross, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,998.91	46.57
40 05 31 53-0053	EA	2-1/2" Cross, Polyvinylidene Fluoride (PVDF) Kynar Lined	2,292.37	68.99
40 05 31 53-0054	EA	3" Cross, Polyvinylidene Fluoride (PVDF) Kynar Lined	2,745.14	90.55
40 05 31 53-0055	EA	4" Cross, Polyvinylidene Fluoride (PVDF) Kynar Lined	4,174.78	107.79
40 05 31 53-0056	EA	6" Cross, Polyvinylidene Fluoride (PVDF) Kynar Lined	6,440.91	123.31
40 05 31 53-0057	EA	8" Cross, Polyvinylidene Fluoride (PVDF) Kynar Lined	8,155.05	143.90

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LOS ANGELES COUNTY WATERWORKS DISTRICTS

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 31 53-0058		**Reducers** *(40 05 31 53-0002)*		
40 05 31 53-0059	EA	1" Reducer, Polyvinylidene Fluoride (PVDF) Kynar Lined	944.27	11.53
40 05 31 53-0060	EA	1-1/4" Reducer, Polyvinylidene Fluoride (PVDF) Kynar Lined	956.19	16.28
40 05 31 53-0061	EA	1-1/2" Reducer, Polyvinylidene Fluoride (PVDF) Kynar Lined	961.39	18.32
40 05 31 53-0062	EA	2" Reducer, Polyvinylidene Fluoride (PVDF) Kynar Lined	996.90	23.28
40 05 31 53-0063	EA	2-1/2" Reducer, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,084.11	34.49
40 05 31 53-0064	EA	3" Reducer, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,298.43	45.38
40 05 31 53-0065	EA	4" Reducer, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,660.36	53.90
40 05 31 53-0066	EA	6" Reducer, Polyvinylidene Fluoride (PVDF) Kynar Lined	2,731.39	61.55
40 05 31 53-0067	EA	8" Reducer, Polyvinylidene Fluoride (PVDF) Kynar Lined	4,126.95	71.90
40 05 31 53-0068		**Unions** *(40 05 31 53-0002)*		
40 05 31 53-0069	EA	3/4" Union, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,365.02	13.90
40 05 31 53-0070	EA	1" Union, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,566.14	18.32
40 05 31 53-0071	EA	1-1/4" Union, Polyvinylidene Fluoride (PVDF) Kynar Lined	3,071.64	23.28
40 05 31 53-0072	EA	1-1/2" Union, Polyvinylidene Fluoride (PVDF) Kynar Lined	3,479.30	27.81
40 05 31 53-0073	EA	2" Union, Polyvinylidene Fluoride (PVDF) Kynar Lined	4,706.77	34.49
40 05 31 53-0074	EA	2-1/2" Union, Polyvinylidene Fluoride (PVDF) Kynar Lined	6,846.08	45.38
40 05 31 53-0075	EA	3" Union, Polyvinylidene Fluoride (PVDF) Kynar Lined	8,740.57	53.90
40 05 31 53-0076	EA	4" Union, Polyvinylidene Fluoride (PVDF) Kynar Lined	13,574.29	71.90
40 05 31 53-0077	EA	6" Union, Polyvinylidene Fluoride (PVDF) Kynar Lined	18,187.16	92.70
40 05 31 53-0078	EA	8" Union, Polyvinylidene Fluoride (PVDF) Kynar Lined	29,910.86	114.90
40 05 31 53-0079		**Blind Flanges** *(40 05 31 53-0002)*		
40 05 31 53-0080	EA	3/4" Blind Flanges, Polyvinylidene Fluoride (PVDF) Kynar Lined	193.46	13.90
40 05 31 53-0081	EA	1" Blind Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	204.56	18.32
40 05 31 53-0082	EA	1-1/4" Blind Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	231.82	23.28
40 05 31 53-0083	EA	1-1/2" Blind Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	243.10	27.81
40 05 31 53-0084	EA	2" Blind Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	279.63	34.49
40 05 31 53-0085	EA	2-1/2" Blind Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	351.49	45.38
40 05 31 53-0086	EA	3" Blind Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	417.40	53.90
40 05 31 53-0087	EA	4" Blind Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	526.78	71.90
40 05 31 53-0088	EA	6" Blind Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	787.12	92.70
40 05 31 53-0089	EA	8" Blind Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,165.03	114.90
40 05 31 53-0090		**Filler Flanges** *(40 05 31 53-0002)*		
40 05 31 53-0091	EA	1" Filler Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	516.97	18.32
40 05 31 53-0092	EA	1-1/4" Filler Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	583.91	23.28
40 05 31 53-0093	EA	1-1/2" Filler Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	654.70	27.81
40 05 31 53-0094	EA	2" Filler Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	800.32	34.49
40 05 31 53-0095	EA	2-1/2" Filler Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	996.16	45.38
40 05 31 53-0096	EA	3" Filler Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,191.00	53.90
40 05 31 53-0097	EA	4" Filler Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,513.62	71.90
40 05 31 53-0098	EA	6" Filler Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,902.89	92.70
40 05 31 53-0099	EA	8" Filler Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	2,935.39	114.90
40 05 31 53-0100		**Polyvinylidene Fluoride (PVDF) Kynar Lined Gate Valves** *(40 05 31 53-0001)*		
40 05 31 53-0101	EA	1" Flanged Gate Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	2,093.21	90.77
40 05 31 53-0102	EA	1-1/4" Flanged Gate Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	2,362.28	102.12
40 05 31 53-0103	EA	1-1/2" Flanged Gate Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	2,666.27	113.18
40 05 31 53-0104	EA	2" Flanged Gate Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	3,161.49	143.73
40 05 31 53-0105	EA	2-1/2" Flanged Gate Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	4,170.98	163.59
40 05 31 53-0106	EA	3" Flanged Gate Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	5,180.46	183.47
40 05 31 53-0107	EA	4" Flanged Gate Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	6,558.16	307.97
40 05 31 53-0108	EA	6" Flanged Gate Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	10,605.52	389.44
40 05 31 53-0109	EA	8" Flanged Gate Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	22,298.94	492.76
40 05 31 53-0110		**Polyvinylidene Fluoride (PVDF) Kynar Lined Check Valves** *(40 05 31 53-0001)*		
40 05 31 53-0111	EA	1" Flanged Check Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	2,370.87	90.77
40 05 31 53-0112	EA	1-1/4" Flanged Check Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	2,675.69	102.12
40 05 31 53-0113	EA	1-1/2" Flanged Check Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	3,020.33	113.18
40 05 31 53-0114	EA	2" Flanged Check Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	3,579.70	143.73
40 05 31 53-0115	EA	2-1/2" Flanged Check Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	4,727.29	163.59
40 05 31 53-0116	EA	3" Flanged Check Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	5,874.86	183.47
40 05 31 53-0117	EA	4" Flanged Check Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	7,423.96	307.97
40 05 31 53-0118	EA	6" Flanged Check Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	12,024.68	389.44
40 05 31 53-0119	EA	8" Flanged Check Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	25,339.99	492.76
40 05 31 53-0120		**Polyvinylidene Fluoride (PVDF) Kynar Lined Plug Valves** *(40 05 31 53-0001)*		
40 05 31 53-0121	EA	1" Flanged Plug Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	2,077.75	90.77
40 05 31 53-0122	EA	1-1/4" Flanged Plug Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	2,346.13	102.12
40 05 31 53-0123	EA	1-1/2" Flanged Plug Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	2,645.33	113.18

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 31 53-0124	EA	2" Flanged Plug Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	3,137.63	143.73
40 05 31 53-0125	EA	2-1/2" Flanged Plug Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	4,140.77	163.59
40 05 31 53-0126	EA	3" Flanged Plug Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	5,143.90	183.47
40 05 31 53-0127	EA	4" Flanged Plug Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	6,512.76	307.97
40 05 31 53-0128	EA	6" Flanged Plug Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	10,531.59	389.44
40 05 31 53-0129	EA	8" Flanged Plug Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	20,944.36	492.76

40 05 31 56 Polyvinylidene Chloride (PVDC) Process Pipe *(40 05 31)*

40 05 31 56-0001 Polyvinylidene Chloride (PVDC) Saran Lined Steel Piping System *(40 05 31 56)*

40 05 31 56-0002 Polyvinylidene Chloride (PVDC) Saran Lined Pipe And Fittings *(40 05 31 56-0001)*

40 05 31 56-0003 Pipe *(40 05 31 56-0002)*

40 05 31 56-0004	LF	3/4" Polyvinylidene Chloride (PVDC) Saran Lined Pipe	73.91	2.27
40 05 31 56-0005	LF	1" Polyvinylidene Chloride (PVDC) Saran Lined Pipe	74.28	2.48
40 05 31 56-0006	LF	1-1/4" Polyvinylidene Chloride (PVDC) Saran Lined Pipe	83.23	2.70
40 05 31 56-0007	LF	1-1/2" Polyvinylidene Chloride (PVDC) Saran Lined Pipe	83.33	2.70
40 05 31 56-0008	LF	2" Polyvinylidene Chloride (PVDC) Saran Lined Pipe	91.87	3.23
40 05 31 56-0009	LF	2-1/2" Polyvinylidene Chloride (PVDC) Saran Lined Pipe	119.81	3.88
40 05 31 56-0010	LF	3" Polyvinylidene Chloride (PVDC) Saran Lined Pipe	143.19	4.63
40 05 31 56-0011	LF	4" Polyvinylidene Chloride (PVDC) Saran Lined Pipe	200.62	7.01
40 05 31 56-0012	LF	6" Polyvinylidene Chloride (PVDC) Saran Lined Pipe	321.51	9.27
40 05 31 56-0013	LF	8" Polyvinylidene Chloride (PVDC) Saran Lined Pipe	498.62	11.10

40 05 31 56-0014 90 Degree Elbows *(40 05 31 56-0002)*

40 05 31 56-0015	EA	3/4" 90 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	532.30	9.27
40 05 31 56-0016	EA	1" 90 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	537.87	11.53
40 05 31 56-0017	EA	1-1/4" 90 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	664.31	16.28
40 05 31 56-0018	EA	1-1/2" 90 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	669.51	18.32
40 05 31 56-0019	EA	2" 90 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	795.36	23.28
40 05 31 56-0020	EA	2-1/2" 90 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	959.54	34.49
40 05 31 56-0021	EA	3" 90 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	1,113.72	45.38
40 05 31 56-0022	EA	4" 90 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	1,738.28	53.90
40 05 31 56-0023	EA	6" 90 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	2,802.49	61.55
40 05 31 56-0024	EA	8" 90 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	4,634.61	77.61

40 05 31 56-0025 45 Degree Elbows *(40 05 31 56-0002)*

40 05 31 56-0026	EA	3/4" 45 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	638.89	9.27
40 05 31 56-0027	EA	1" 45 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	644.46	11.53
40 05 31 56-0028	EA	1-1/4" 45 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	712.18	16.28
40 05 31 56-0029	EA	1-1/2" 45 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	717.38	18.32
40 05 31 56-0030	EA	2" 45 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	865.98	23.28
40 05 31 56-0031	EA	2-1/2" 45 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	997.89	34.49
40 05 31 56-0032	EA	3" 45 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	1,263.10	45.38
40 05 31 56-0033	EA	4" 45 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	1,813.39	53.90
40 05 31 56-0034	EA	6" 45 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	3,006.14	61.55
40 05 31 56-0035	EA	8" 45 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	3,961.70	71.90

40 05 31 56-0036 Tees *(40 05 31 56-0002)*

40 05 31 56-0037	EA	3/4" Tee, Polyvinylidene Chloride (PVDC) Saran Lined	857.46	13.90
40 05 31 56-0038	EA	1" Tee, Polyvinylidene Chloride (PVDC) Saran Lined	867.34	18.32
40 05 31 56-0039	EA	1-1/4" Tee, Polyvinylidene Chloride (PVDC) Saran Lined	970.71	23.28
40 05 31 56-0040	EA	1-1/2" Tee, Polyvinylidene Chloride (PVDC) Saran Lined	981.99	27.81
40 05 31 56-0041	EA	2" Tee, Polyvinylidene Chloride (PVDC) Saran Lined	1,189.37	34.49
40 05 31 56-0042	EA	2-1/2" Tee, Polyvinylidene Chloride (PVDC) Saran Lined	1,532.13	45.38
40 05 31 56-0043	EA	3" Tee, Polyvinylidene Chloride (PVDC) Saran Lined	1,584.09	53.90
40 05 31 56-0044	EA	4" Tee, Polyvinylidene Chloride (PVDC) Saran Lined	2,395.46	71.90
40 05 31 56-0045	EA	6" Tee, Polyvinylidene Chloride (PVDC) Saran Lined	3,670.47	92.70
40 05 31 56-0046	EA	8" Tee, Polyvinylidene Chloride (PVDC) Saran Lined	5,530.86	114.90

40 05 31 56-0047 Crosses *(40 05 31 56-0002)*

40 05 31 56-0048	EA	3/4" Cross, Polyvinylidene Chloride (PVDC) Saran Lined	1,196.85	18.54
40 05 31 56-0049	EA	1" Cross, Polyvinylidene Chloride (PVDC) Saran Lined	1,208.69	23.28
40 05 31 56-0050	EA	1-1/4" Cross, Polyvinylidene Chloride (PVDC) Saran Lined	1,408.00	32.77
40 05 31 56-0051	EA	1-1/2" Cross, Polyvinylidene Chloride (PVDC) Saran Lined	1,417.82	36.65
40 05 31 56-0052	EA	2" Cross, Polyvinylidene Chloride (PVDC) Saran Lined	1,753.36	46.57
40 05 31 56-0053	EA	2-1/2" Cross, Polyvinylidene Chloride (PVDC) Saran Lined	2,015.83	68.99
40 05 31 56-0054	EA	3" Cross, Polyvinylidene Chloride (PVDC) Saran Lined	2,416.60	90.55
40 05 31 56-0055	EA	4" Cross, Polyvinylidene Chloride (PVDC) Saran Lined	3,665.40	107.79
40 05 31 56-0056	EA	6" Cross, Polyvinylidene Chloride (PVDC) Saran Lined	5,641.02	123.31
40 05 31 56-0057	EA	8" Cross, Polyvinylidene Chloride (PVDC) Saran Lined	11,786.99	143.90

40 05 31 56-0058 Reducers *(40 05 31 56-0002)*

40 05 31 56-0059	EA	1" Reducer, Polyvinylidene Chloride (PVDC) Saran Lined	785.05	11.53

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 31 56-0060	EA	1-1/4" Reducer, Polyvinylidene Chloride (PVDC) Saran Lined	836.75	16.28
40 05 31 56-0061	EA	1-1/2" Reducer, Polyvinylidene Chloride (PVDC) Saran Lined	841.95	18.32
40 05 31 56-0062	EA	2" Reducer, Polyvinylidene Chloride (PVDC) Saran Lined	874.44	23.28
40 05 31 56-0063	EA	2-1/2" Reducer, Polyvinylidene Chloride (PVDC) Saran Lined	1,084.11	34.49
40 05 31 56-0064	EA	3" Reducer, Polyvinylidene Chloride (PVDC) Saran Lined	1,143.87	45.38
40 05 31 56-0065	EA	4" Reducer, Polyvinylidene Chloride (PVDC) Saran Lined	1,461.37	53.90
40 05 31 56-0066	EA	6" Reducer, Polyvinylidene Chloride (PVDC) Saran Lined	2,395.19	61.55
40 05 31 56-0067	EA	8" Reducer, Polyvinylidene Chloride (PVDC) Saran Lined	3,612.06	71.90
40 05 31 56-0068		**Unions** *(40 05 31 56-0002)*		
40 05 31 56-0069	EA	3/4" Union, Polyvinylidene Chloride (PVDC) Saran Lined	1,187.65	13.90
40 05 31 56-0070	EA	1" Union, Polyvinylidene Chloride (PVDC) Saran Lined	1,363.44	18.32
40 05 31 56-0071	EA	1-1/4" Union, Polyvinylidene Chloride (PVDC) Saran Lined	2,669.85	23.28
40 05 31 56-0072	EA	1-1/2" Union, Polyvinylidene Chloride (PVDC) Saran Lined	3,024.67	27.81
40 05 31 56-0073	EA	2" Union, Polyvinylidene Chloride (PVDC) Saran Lined	4,090.70	34.49
40 05 31 56-0074	EA	2-1/2" Union, Polyvinylidene Chloride (PVDC) Saran Lined	5,948.40	45.38
40 05 31 56-0075	EA	3" Union, Polyvinylidene Chloride (PVDC) Saran Lined	7,593.13	53.90
40 05 31 56-0076	EA	4" Union, Polyvinylidene Chloride (PVDC) Saran Lined	11,788.34	71.90
40 05 31 56-0077	EA	6" Union, Polyvinylidene Chloride (PVDC) Saran Lined	15,793.10	92.70
40 05 31 56-0078	EA	8" Union, Polyvinylidene Chloride (PVDC) Saran Lined	25,961.06	114.90
40 05 31 56-0079		**Blind Flanges** *(40 05 31 56-0002)*		
40 05 31 56-0080	EA	3/4" Blind Flanges, Polyvinylidene Chloride (PVDC) Saran Lined	172.30	13.90
40 05 31 56-0081	EA	1" Blind Flange, Polyvinylidene Chloride (PVDC) Saran Lined	183.40	18.32
40 05 31 56-0082	EA	1-1/4" Blind Flange, Polyvinylidene Chloride (PVDC) Saran Lined	208.68	23.28
40 05 31 56-0083	EA	1-1/2" Blind Flange, Polyvinylidene Chloride (PVDC) Saran Lined	219.96	27.81
40 05 31 56-0084	EA	2" Blind Flange, Polyvinylidene Chloride (PVDC) Saran Lined	253.84	34.49
40 05 31 56-0085	EA	2-1/2" Blind Flange, Polyvinylidene Chloride (PVDC) Saran Lined	319.75	45.38
40 05 31 56-0086	EA	3" Blind Flange, Polyvinylidene Chloride (PVDC) Saran Lined	379.71	53.90
40 05 31 56-0087	EA	4" Blind Flange, Polyvinylidene Chloride (PVDC) Saran Lined	480.50	71.90
40 05 31 56-0088	EA	6" Blind Flange, Polyvinylidene Chloride (PVDC) Saran Lined	713.06	92.70
40 05 31 56-0089	EA	8" Blind Flange, Polyvinylidene Chloride (PVDC) Saran Lined	1,048.00	114.90
40 05 31 56-0090		**Filler Flanges** *(40 05 31 56-0002)*		
40 05 31 56-0091	EA	1" Filler Flange, Polyvinylidene Chloride (PVDC) Saran Lined	454.16	18.32
40 05 31 56-0092	EA	1-1/4" Filler Flange, Polyvinylidene Chloride (PVDC) Saran Lined	513.82	23.28
40 05 31 56-0093	EA	1-1/2" Filler Flange, Polyvinylidene Chloride (PVDC) Saran Lined	576.68	27.81
40 05 31 56-0094	EA	2" Filler Flange, Polyvinylidene Chloride (PVDC) Saran Lined	705.11	34.49
40 05 31 56-0095	EA	2-1/2" Filler Flange, Polyvinylidene Chloride (PVDC) Saran Lined	878.47	45.38
40 05 31 56-0096	EA	3" Filler Flange, Polyvinylidene Chloride (PVDC) Saran Lined	1,050.17	53.90
40 05 31 56-0097	EA	4" Filler Flange, Polyvinylidene Chloride (PVDC) Saran Lined	1,335.75	71.90
40 05 31 56-0098	EA	6" Filler Flange, Polyvinylidene Chloride (PVDC) Saran Lined	1,680.07	92.70
40 05 31 56-0099	EA	8" Filler Flange, Polyvinylidene Chloride (PVDC) Saran Lined	2,582.31	114.90
40 05 31 56-0100		**Polyvinylidene Chloride (PVDC) Saran Lined Gate Valves** *(40 05 31 56-0001)*		
40 05 31 56-0101	EA	1" Flanged Gate Valve, Polyvinylidene Chloride (PVDC) Saran Lined	1,829.24	90.77
40 05 31 56-0102	EA	1-1/4" Flanged Gate Valve, Polyvinylidene Chloride (PVDC) Saran Lined	2,064.33	102.12
40 05 31 56-0103	EA	1-1/2" Flanged Gate Valve, Polyvinylidene Chloride (PVDC) Saran Lined	2,329.68	113.18
40 05 31 56-0104	EA	2" Flanged Gate Valve, Polyvinylidene Chloride (PVDC) Saran Lined	2,763.92	143.73
40 05 31 56-0105	EA	2-1/2" Flanged Gate Valve, Polyvinylidene Chloride (PVDC) Saran Lined	3,642.12	163.59
40 05 31 56-0106	EA	3" Flanged Gate Valve, Polyvinylidene Chloride (PVDC) Saran Lined	4,520.31	183.47
40 05 31 56-0107	EA	4" Flanged Gate Valve, Polyvinylidene Chloride (PVDC) Saran Lined	5,735.07	307.97
40 05 31 56-0108	EA	6" Flanged Gate Valve, Polyvinylidene Chloride (PVDC) Saran Lined	9,256.35	389.44
40 05 31 56-0109	EA	8" Flanged Gate Valve, Polyvinylidene Chloride (PVDC) Saran Lined	19,407.87	492.76
40 05 31 56-0110		**Polyvinylidene Chloride (PVDC) Saran Lined Check Valves** *(40 05 31 56-0001)*		
40 05 31 56-0111	EA	1" Flanged Check Valve, Polyvinylidene Chloride (PVDC) Saran Lined	2,069.88	90.77
40 05 31 56-0112	EA	1-1/4" Flanged Check Valve, Polyvinylidene Chloride (PVDC) Saran Lined	2,335.95	102.12
40 05 31 56-0113	EA	1-1/2" Flanged Check Valve, Polyvinylidene Chloride (PVDC) Saran Lined	2,636.53	113.18
40 05 31 56-0114	EA	2" Flanged Check Valve, Polyvinylidene Chloride (PVDC) Saran Lined	3,126.36	143.73
40 05 31 56-0115	EA	2-1/2" Flanged Check Valve, Polyvinylidene Chloride (PVDC) Saran Lined	4,124.25	163.59
40 05 31 56-0116	EA	3" Flanged Check Valve, Polyvinylidene Chloride (PVDC) Saran Lined	5,122.13	183.47
40 05 31 56-0117	EA	4" Flanged Check Valve, Polyvinylidene Chloride (PVDC) Saran Lined	6,485.42	307.97
40 05 31 56-0118	EA	6" Flanged Check Valve, Polyvinylidene Chloride (PVDC) Saran Lined	10,486.29	389.44
40 05 31 56-0119	EA	8" Flanged Check Valve, Polyvinylidene Chloride (PVDC) Saran Lined	22,043.45	492.76
40 05 31 56-0120		**Polyvinylidene Chloride (PVDC) Saran Lined Plug Valves** *(40 05 31 56-0001)*		
40 05 31 56-0121	EA	1" Flanged Plug Valve, Polyvinylidene Chloride (PVDC) Saran Lined	1,815.84	90.77
40 05 31 56-0122	EA	1-1/4" Flanged Plug Valve, Polyvinylidene Chloride (PVDC) Saran Lined	2,050.33	102.12
40 05 31 56-0123	EA	1-1/2" Flanged Plug Valve, Polyvinylidene Chloride (PVDC) Saran Lined	2,311.53	113.18
40 05 31 56-0124	EA	2" Flanged Plug Valve, Polyvinylidene Chloride (PVDC) Saran Lined	2,743.23	143.73
40 05 31 56-0125	EA	2-1/2" Flanged Plug Valve, Polyvinylidene Chloride (PVDC) Saran Lined	3,615.93	163.59
40 05 31 56-0126	EA	3" Flanged Plug Valve, Polyvinylidene Chloride (PVDC) Saran Lined	4,488.63	183.47
40 05 31 56-0127	EA	4" Flanged Plug Valve, Polyvinylidene Chloride (PVDC) Saran Lined	5,695.73	307.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 31 56-0128	EA	6" Flanged Plug Valve, Polyvinylidene Chloride (PVDC) Saran Lined	9,192.29	389.44
40 05 31 56-0129	EA	8" Flanged Plug Valve, Polyvinylidene Chloride (PVDC) Saran Lined	18,233.90	492.76

40 05 38 PTFE Process Pipe *(40 05)*

40 05 38 00-0001 Polytetrafluoroethylene (PTFE) Lined Steel Piping System *(40 05 38)*

40 05 38 00-0002 Polytetrafluoroethylene (PTFE) Lined Pipe And Fittings *(40 05 38 00-0001)*

40 05 38 00-0003 Polytetrafluoroethylene (PTFE) Lined Pipe *(40 05 38 00-0002)*

40 05 38 00-0004	LF	3/4" Polytetrafluoroethylene (PTFE) Lined Pipe	213.00	2.27
40 05 38 00-0005	LF	1" Polytetrafluoroethylene (PTFE) Lined Pipe	319.16	2.48
40 05 38 00-0006	LF	1-1/4" Polytetrafluoroethylene (PTFE) Lined Pipe	356.55	2.70
40 05 38 00-0007	LF	1-1/2" Polytetrafluoroethylene (PTFE) Lined Pipe	393.54	2.70
40 05 38 00-0008	LF	2" Polytetrafluoroethylene (PTFE) Lined Pipe	430.62	3.23
40 05 38 00-0009	LF	2-1/2" Polytetrafluoroethylene (PTFE) Lined Pipe	568.56	3.88
40 05 38 00-0010	LF	3" Polytetrafluoroethylene (PTFE) Lined Pipe	683.24	4.63
40 05 38 00-0011	LF	4" Polytetrafluoroethylene (PTFE) Lined Pipe	984.59	7.01
40 05 38 00-0012	LF	6" Polytetrafluoroethylene (PTFE) Lined Pipe	1,848.09	9.27
40 05 38 00-0013	LF	8" Polytetrafluoroethylene (PTFE) Lined Pipe	3,307.18	11.10

40 05 38 00-0014 90 Degree Elbows *(40 05 38 00-0002)*

40 05 38 00-0015	EA	3/4" 90 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	1,444.76	9.27
40 05 38 00-0016	EA	1" 90 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	1,450.33	11.53
40 05 38 00-0017	EA	1-1/4" 90 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	1,508.53	16.28
40 05 38 00-0018	EA	1-1/2" 90 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	1,513.73	18.32
40 05 38 00-0019	EA	2" 90 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	1,737.70	23.28
40 05 38 00-0020	EA	2-1/2" 90 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	2,188.84	34.49
40 05 38 00-0021	EA	3" 90 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	2,639.24	45.38
40 05 38 00-0022	EA	4" 90 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	3,943.24	53.90
40 05 38 00-0023	EA	6" 90 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	6,197.34	61.55
40 05 38 00-0024	EA	8" 90 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	9,754.93	77.61

40 05 38 00-0025 45 Degree Elbows *(40 05 38 00-0002)*

40 05 38 00-0026	EA	3/4" 45 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	1,219.95	9.27
40 05 38 00-0027	EA	1" 45 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	1,225.52	11.53
40 05 38 00-0028	EA	1-1/4" 45 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	1,382.90	16.28
40 05 38 00-0029	EA	1-1/2" 45 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	1,388.10	18.32
40 05 38 00-0030	EA	2" 45 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	1,592.24	23.28
40 05 38 00-0031	EA	2-1/2" 45 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	2,122.72	34.49
40 05 38 00-0032	EA	3" 45 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	2,645.85	45.38
40 05 38 00-0033	EA	4" 45 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	3,487.02	53.90
40 05 38 00-0034	EA	6" 45 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	6,151.06	61.55
40 05 38 00-0035	EA	8" 45 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	9,436.43	71.90

40 05 38 00-0036 Tees *(40 05 38 00-0002)*

40 05 38 00-0037	EA	3/4" Tee, Polytetrafluoroethylene (PTFE) Lined	2,375.41	13.90
40 05 38 00-0038	EA	1" Tee, Polytetrafluoroethylene (PTFE) Lined	2,386.51	18.32
40 05 38 00-0039	EA	1-1/4" Tee, Polytetrafluoroethylene (PTFE) Lined	2,808.85	23.28
40 05 38 00-0040	EA	1-1/2" Tee, Polytetrafluoroethylene (PTFE) Lined	2,820.13	27.81
40 05 38 00-0041	EA	2" Tee, Polytetrafluoroethylene (PTFE) Lined	3,213.70	34.49
40 05 38 00-0042	EA	2-1/2" Tee, Polytetrafluoroethylene (PTFE) Lined	3,756.66	45.38
40 05 38 00-0043	EA	3" Tee, Polytetrafluoroethylene (PTFE) Lined	4,293.68	53.90
40 05 38 00-0044	EA	4" Tee, Polytetrafluoroethylene (PTFE) Lined	5,601.48	71.90
40 05 38 00-0045	EA	6" Tee, Polytetrafluoroethylene (PTFE) Lined	7,656.97	92.70
40 05 38 00-0046	EA	8" Tee, Polytetrafluoroethylene (PTFE) Lined	14,780.76	114.90

40 05 38 00-0047 Crosses *(40 05 38 00-0002)*

40 05 38 00-0048	EA	3/4" Cross, Polytetrafluoroethylene (PTFE) Lined	3,372.20	18.54
40 05 38 00-0049	EA	1" Cross, Polytetrafluoroethylene (PTFE) Lined	3,384.03	23.28
40 05 38 00-0050	EA	1-1/4" Cross, Polytetrafluoroethylene (PTFE) Lined	4,115.22	32.77
40 05 38 00-0051	EA	1-1/2" Cross, Polytetrafluoroethylene (PTFE) Lined	4,125.04	36.65
40 05 38 00-0052	EA	2" Cross, Polytetrafluoroethylene (PTFE) Lined	4,645.74	46.57
40 05 38 00-0053	EA	2-1/2" Cross, Polytetrafluoroethylene (PTFE) Lined	5,336.43	68.99
40 05 38 00-0054	EA	3" Cross, Polytetrafluoroethylene (PTFE) Lined	7,076.40	90.55
40 05 38 00-0055	EA	4" Cross, Polytetrafluoroethylene (PTFE) Lined	7,919.55	107.79
40 05 38 00-0056	EA	6" Cross, Polytetrafluoroethylene (PTFE) Lined	14,087.66	123.31
40 05 38 00-0057	EA	8" Cross, Polytetrafluoroethylene (PTFE) Lined	17,874.94	143.90

40 05 38 00-0058 Reducers *(40 05 38 00-0002)*

40 05 38 00-0059	EA	1" Reducer, Polytetrafluoroethylene (PTFE) Lined	1,999.12	11.53
40 05 38 00-0060	EA	1-1/4" Reducer, Polytetrafluoroethylene (PTFE) Lined	2,011.04	16.28
40 05 38 00-0061	EA	1-1/2" Reducer, Polytetrafluoroethylene (PTFE) Lined	2,016.24	18.32
40 05 38 00-0062	EA	2" Reducer, Polytetrafluoroethylene (PTFE) Lined	2,372.45	23.28

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 38 00-0063	EA	2-1/2" Reducer, Polytetrafluoroethylene (PTFE) Lined	2,731.02	34.49
40 05 38 00-0064	EA	3" Reducer, Polytetrafluoroethylene (PTFE) Lined	3,035.96	45.38
40 05 38 00-0065	EA	4" Reducer, Polytetrafluoroethylene (PTFE) Lined	3,969.69	53.90
40 05 38 00-0066	EA	6" Reducer, Polytetrafluoroethylene (PTFE) Lined	5,503.09	61.55
40 05 38 00-0067	EA	8" Reducer, Polytetrafluoroethylene (PTFE) Lined	8,947.14	71.90
40 05 38 00-0068		**Unions** *(40 05 38 00-0002)*		
40 05 38 00-0069	EA	3/4" Union, Polytetrafluoroethylene (PTFE) Lined	1,808.44	13.90
40 05 38 00-0070	EA	1" Union, Polytetrafluoroethylene (PTFE) Lined	2,072.90	18.32
40 05 38 00-0071	EA	1-1/4" Union, Polytetrafluoroethylene (PTFE) Lined	4,076.10	23.28
40 05 38 00-0072	EA	1-1/2" Union, Polytetrafluoroethylene (PTFE) Lined	4,615.89	27.81
40 05 38 00-0073	EA	2" Union, Polytetrafluoroethylene (PTFE) Lined	6,246.96	34.49
40 05 38 00-0074	EA	2-1/2" Union, Polytetrafluoroethylene (PTFE) Lined	9,090.29	45.38
40 05 38 00-0075	EA	3" Union, Polytetrafluoroethylene (PTFE) Lined	11,609.18	53.90
40 05 38 00-0076	EA	4" Union, Polytetrafluoroethylene (PTFE) Lined	18,039.17	71.90
40 05 38 00-0077	EA	6" Union, Polytetrafluoroethylene (PTFE) Lined	24,172.41	92.70
40 05 38 00-0078	EA	8" Union, Polytetrafluoroethylene (PTFE) Lined	39,785.39	114.90
40 05 38 00-0079		**Blind Flanges** *(40 05 38 00-0002)*		
40 05 38 00-0080	EA	3/4" Blind Flanges, Polytetrafluoroethylene (PTFE) Lined	246.35	13.90
40 05 38 00-0081	EA	1" Blind Flange, Polytetrafluoroethylene (PTFE) Lined	257.45	18.32
40 05 38 00-0082	EA	1-1/4" Blind Flange, Polytetrafluoroethylene (PTFE) Lined	289.68	23.28
40 05 38 00-0083	EA	1-1/2" Blind Flange, Polytetrafluoroethylene (PTFE) Lined	300.96	27.81
40 05 38 00-0084	EA	2" Blind Flange, Polytetrafluoroethylene (PTFE) Lined	344.10	34.49
40 05 38 00-0085	EA	2-1/2" Blind Flange, Polytetrafluoroethylene (PTFE) Lined	430.84	45.38
40 05 38 00-0086	EA	3" Blind Flange, Polytetrafluoroethylene (PTFE) Lined	511.62	53.90
40 05 38 00-0087	EA	4" Blind Flange, Polytetrafluoroethylene (PTFE) Lined	642.49	71.90
40 05 38 00-0088	EA	6" Blind Flange, Polytetrafluoroethylene (PTFE) Lined	972.25	92.70
40 05 38 00-0089	EA	8" Blind Flange, Polytetrafluoroethylene (PTFE) Lined	1,457.61	114.90
40 05 38 00-0090		**Filler Flanges** *(40 05 38 00-0002)*		
40 05 38 00-0091	EA	1" Filler Flange, Polytetrafluoroethylene (PTFE) Lined	674.01	18.32
40 05 38 00-0092	EA	1-1/4" Filler Flange, Polytetrafluoroethylene (PTFE) Lined	759.13	23.28
40 05 38 00-0093	EA	1-1/2" Filler Flange, Polytetrafluoroethylene (PTFE) Lined	849.75	27.81
40 05 38 00-0094	EA	2" Filler Flange, Polytetrafluoroethylene (PTFE) Lined	1,038.36	34.49
40 05 38 00-0095	EA	2-1/2" Filler Flange, Polytetrafluoroethylene (PTFE) Lined	1,290.39	45.38
40 05 38 00-0096	EA	3" Filler Flange, Polytetrafluoroethylene (PTFE) Lined	1,543.09	53.90
40 05 38 00-0097	EA	4" Filler Flange, Polytetrafluoroethylene (PTFE) Lined	1,958.27	71.90
40 05 38 00-0098	EA	6" Filler Flange, Polytetrafluoroethylene (PTFE) Lined	2,459.95	92.70
40 05 38 00-0099	EA	8" Filler Flange, Polytetrafluoroethylene (PTFE) Lined	3,818.09	114.90
40 05 38 00-0100		**Polytetrafluoroethylene (PTFE) Lined Gate Valves** *(40 05 38 00-0001)*		
40 05 38 00-0101	EA	1" Flanged Gate Valve, Polytetrafluoroethylene (PTFE) Lined	2,753.13	90.77
40 05 38 00-0102	EA	1-1/4" Flanged Gate Valve, Polytetrafluoroethylene (PTFE) Lined	3,107.16	102.12
40 05 38 00-0103	EA	1-1/2" Flanged Gate Valve, Polytetrafluoroethylene (PTFE) Lined	3,507.76	113.18
40 05 38 00-0104	EA	2" Flanged Gate Valve, Polytetrafluoroethylene (PTFE) Lined	4,155.45	143.73
40 05 38 00-0105	EA	2-1/2" Flanged Gate Valve, Polytetrafluoroethylene (PTFE) Lined	5,493.15	163.59
40 05 38 00-0106	EA	3" Flanged Gate Valve, Polytetrafluoroethylene (PTFE) Lined	6,830.84	183.47
40 05 38 00-0107	EA	4" Flanged Gate Valve, Polytetrafluoroethylene (PTFE) Lined	8,615.89	307.97
40 05 38 00-0108	EA	6" Flanged Gate Valve, Polytetrafluoroethylene (PTFE) Lined	13,978.42	389.44
40 05 38 00-0109	EA	8" Flanged Gate Valve, Polytetrafluoroethylene (PTFE) Lined	29,526.59	492.76
40 05 38 00-0110		**Polytetrafluoroethylene (PTFE) Lined Check Valves** *(40 05 38 00-0001)*		
40 05 38 00-0111	EA	1" Flanged Check Valve, Polytetrafluoroethylene (PTFE) Lined	3,123.34	90.77
40 05 38 00-0112	EA	1-1/4" Flanged Check Valve, Polytetrafluoroethylene (PTFE) Lined	3,525.04	102.12
40 05 38 00-0113	EA	1-1/2" Flanged Check Valve, Polytetrafluoroethylene (PTFE) Lined	3,979.83	113.18
40 05 38 00-0114	EA	2" Flanged Check Valve, Polytetrafluoroethylene (PTFE) Lined	4,713.05	143.73
40 05 38 00-0115	EA	2-1/2" Flanged Check Valve, Polytetrafluoroethylene (PTFE) Lined	6,234.88	163.59
40 05 38 00-0116	EA	3" Flanged Check Valve, Polytetrafluoroethylene (PTFE) Lined	7,756.70	183.47
40 05 38 00-0117	EA	4" Flanged Check Valve, Polytetrafluoroethylene (PTFE) Lined	9,770.29	307.97
40 05 38 00-0118	EA	6" Flanged Check Valve, Polytetrafluoroethylene (PTFE) Lined	15,870.64	389.44
40 05 38 00-0119	EA	8" Flanged Check Valve, Polytetrafluoroethylene (PTFE) Lined	33,581.34	492.76
40 05 38 00-0120		**Polytetrafluoroethylene (PTFE) Lined Plug Valves** *(40 05 38 00-0001)*		
40 05 38 00-0121	EA	1" Flanged Plug Valve, Polytetrafluoroethylene (PTFE) Lined	2,732.50	90.77
40 05 38 00-0122	EA	1-1/4" Flanged Plug Valve, Polytetrafluoroethylene (PTFE) Lined	3,085.62	102.12
40 05 38 00-0123	EA	1-1/2" Flanged Plug Valve, Polytetrafluoroethylene (PTFE) Lined	3,479.83	113.18
40 05 38 00-0124	EA	2" Flanged Plug Valve, Polytetrafluoroethylene (PTFE) Lined	4,123.62	143.73
40 05 38 00-0125	EA	2-1/2" Flanged Plug Valve, Polytetrafluoroethylene (PTFE) Lined	5,452.86	163.59
40 05 38 00-0126	EA	3" Flanged Plug Valve, Polytetrafluoroethylene (PTFE) Lined	6,782.08	183.47
40 05 38 00-0127	EA	4" Flanged Plug Valve, Polytetrafluoroethylene (PTFE) Lined	8,555.36	307.97
40 05 38 00-0128	EA	6" Flanged Plug Valve, Polytetrafluoroethylene (PTFE) Lined	13,879.86	389.44
40 05 38 00-0129	EA	8" Flanged Plug Valve, Polytetrafluoroethylene (PTFE) Lined	27,720.49	492.76

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

40 05 71 Solids Handling Valves *(40 05)*

40 05 71 16 Flap Gates *(40 05 71)*

40 05 71 16-0001 Cast Iron, Flap Valves *(40 05 71 16)*

40 05 71 16-0002	EA	3" Cast Iron, Flap Valve (Troy A25406/04-03)		660.33	103.20
40 05 71 16-0003	EA	4" Cast Iron, Flap Valve (Troy A25406/04)		822.80	173.24
40 05 71 16-0004	EA	6" Cast Iron, Flap Valve (Troy A25406/06)		952.43	214.53
40 05 71 16-0005	EA	8" Cast Iron, Flap Valve (Troy A25406/08)		1,401.12	271.44
40 05 71 16-0006	EA	10" Cast Iron, Flap Valve (Troy A25406/10)		1,841.67	332.52
40 05 71 16-0007	EA	12" Cast Iron, Flap Valve (Troy A25406/12)		2,118.39	403.05
40 05 71 16-0008	EA	14" Cast Iron, Flap Valve (Troy A25406/14)		4,145.64	572.31
40 05 71 16-0009	EA	16" Cast Iron, Flap Valve (Troy A25406/16)		5,794.16	1,259.09
40 05 71 16-0010	EA	18" Cast Iron, Flap Valve (Troy A25406/18)		5,809.52	698.22
40 05 71 16-0011	EA	20" Cast Iron, Flap Valve (Troy A25406/20)		7,092.92	786.93
40 05 71 16-0012	EA	24" Cast Iron, Flap Valve (Troy A25406/24)		9,153.59	965.78
40 05 71 16-0013	EA	30" Cast Iron, Flap Valve (Troy A25406/30)		18,661.38	1,528.73

40 05 71 23 Mud Valves *(40 05 71)*

40 05 71 23-0001 Cast Iron, Non-Rising Stem, Mud Valves *(40 05 71 23)*

40 05 71 23-0002	EA	3" Cast Iron, Non-Rising Stem, Mud Valve (Troy A25600RB/03)		932.17	68.80
40 05 71 23-0003	EA	4" Cast Iron, Non-Rising Stem, Mud Valve (Troy A25600RB/04)		1,055.20	115.49
40 05 71 23-0004	EA	6" Cast Iron, Non-Rising Stem, Mud Valve (Troy A25600RB/06)		1,145.79	143.02
40 05 71 23-0005	EA	8" Cast Iron, Non-Rising Stem, Mud Valve (Troy A25600RB/08)		1,488.85	180.96
40 05 71 23-0006	EA	10" Cast Iron, Non-Rising Stem, Mud Valve (Troy A25600RB/10)		2,239.40	221.67
40 05 71 23-0007	EA	12" Cast Iron, Non-Rising Stem, Mud Valve (Troy A25600RB/12)		2,627.33	268.69
40 05 71 23-0008	EA	14" Cast Iron, Non-Rising Stem, Mud Valve (Troy A25600RB/14)		5,037.27	381.55
40 05 71 23-0009	EA	16" Cast Iron, Non-Rising Stem, Mud Valve (Troy A25600RB/16)		6,678.08	839.40
40 05 71 23-0010	EA	18" Cast Iron, Non-Rising Stem, Mud Valve (Troy A25600RB/18)		6,725.38	465.48
40 05 71 23-0011	EA	20" Cast Iron, Non-Rising Stem, Mud Valve (Troy A25600RB/20)		7,436.49	524.62
40 05 71 23-0012	EA	24" Cast Iron, Non-Rising Stem, Mud Valve (Troy A25600RB/24)		9,433.12	643.86
40 05 71 23-0013	EA	30" Cast Iron, Non-Rising Stem, Mud Valve (Troy A25600RB/30)		14,623.94	1,019.16

40 05 71 23-0014 Cast 316 Stainless Steel, Non-Rising Stem, Mud Valve *(40 05 71 23)*

40 05 71 23-0015	EA	4" Cast 316 Stainless Steel, Non-Rising Stem, Mud Valve (Troy A25600RB/04CSS)		1,879.88	115.49
40 05 71 23-0016	EA	6" Cast 316 Stainless Steel, Non-Rising Stem, Mud Valve (Troy A25600RB/06CSS)		2,331.74	143.02
40 05 71 23-0017	EA	8" Cast 316 Stainless Steel, Non-Rising Stem, Mud Valve (Troy A25600RB/08CSS)		3,614.15	180.96
40 05 71 23-0018	EA	10" Cast 316 Stainless Steel, Non-Rising Stem, Mud Valve (Troy A25600RB/10CSS)		4,378.12	221.67
40 05 71 23-0019	EA	12" Cast 316 Stainless Steel, Non-Rising Stem, Mud Valve (Troy A25600RB/12CSS)		5,737.22	268.69

40 05 71 23-0020 Cast Iron, Rising Stem, Mud Valves *(40 05 71 23)*

40 05 71 23-0021	EA	4" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/04)		1,334.68	115.49
40 05 71 23-0022	EA	6" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/06)		1,474.79	143.02
40 05 71 23-0023	EA	8" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/08)		1,878.98	180.96
40 05 71 23-0024	EA	10" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/10)		2,923.76	221.67
40 05 71 23-0025	EA	12" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/12)		3,812.88	268.69
40 05 71 23-0026	EA	16" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/16)		6,934.45	839.40
40 05 71 23-0027	EA	18" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/18)		7,359.27	465.48

40 05 71 23-0028 Cast 316 Stainless Steel, Rising Stem, Mud Valves *(40 05 71 23)*

40 05 71 23-0029	EA	4" Cast 316 Stainless Steel, Rising Stem, Mud Valve (Troy A25612RB/04CSS)		2,217.35	115.49
40 05 71 23-0030	EA	6" Cast 316 Stainless Steel, Rising Stem, Mud Valve (Troy A25612RB/06CSS)		2,750.42	143.02
40 05 71 23-0031	EA	8" Cast 316 Stainless Steel, Rising Stem, Mud Valve (Troy A25612RB/08CSS)		3,681.44	180.96
40 05 71 23-0032	EA	10" Cast 316 Stainless Steel, Rising Stem, Mud Valve (Troy A25612RB/10CSS)		5,179.85	221.67
40 05 71 23-0033	EA	12" Cast 316 Stainless Steel, Rising Stem, Mud Valve (Troy A25612RB/12CSS)		7,309.03	268.69

40 20 Liquids Process Piping *(40)*

40 23 Water and Wastewater Process Piping *(40 20)*

40 23 51 Water and Wastewater Process Valves *(40 23)*

40 23 51 00-0001 Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valves *(40 23 51)*

40 23 51 00-0002	EA	2" Lever Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Gas Service Eccentric Plug Valve (DeZurik PEC,2,F1,CI,T,NBR*LV)		703.34	156.04
40 23 51 00-0003	EA	3" Lever Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Gas Service Eccentric Plug Valve (DeZurik PEC,3,F1,CI,T,NBR*LV)		1,086.77	199.25
40 23 51 00-0004	EA	4" Handwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,4,F1,CI,T,NBR,1304G0*GS-6-HD8)		2,190.97	307.20

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 23 51 00-0005	EA	4" Chainwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,4,F1,CI,T,NBR,1304G0*GS-6-CW8)	2,480.25	307.20
40 23 51 00-0006	EA	6" Handwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,6,F1,CI,T,NBR,1304G0*GS-6-HD8)	3,124.46	380.02
40 23 51 00-0007	EA	6" Chainwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,6,F1,CI,T,NBR,1304G0*GS-6-CW8)	3,476.02	380.02
40 23 51 00-0008	EA	8" Handwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,8,F1,CI,T,NBR,1304G0*GS-6-HD12)	4,651.13	485.58
40 23 51 00-0009	EA	8" Chainwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,8,F1,CI,T,NBR,1304G0*GS-6-CW12)	5,077.02	485.58
40 23 51 00-0010	EA	10" Handwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,10,F1,CI,T,NBR,1304G0*GS-12-HD12)	7,087.04	591.14
40 23 51 00-0011	EA	10" Chainwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,10,F1,CI,T,NBR,1304G0*GS-12-CW12)	7,693.73	591.14
40 23 51 00-0012	EA	14" Handwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,14,F1,CI,T,NBR,1304G0*GS-12-HD16)	12,097.76	1,017.44
40 23 51 00-0013	EA	14" Chainwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,14,F1,CI,T,NBR,1304G0*GS-12-CW20)	12,885.25	1,017.44

40 23 51 00-0014 Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valves *(40 23 51)*

40 23 51 00-0015	EA	2" Lever Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,2,F1,CI,NBR,CR*LV)	698.59	156.07
40 23 51 00-0016	EA	3" Lever Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,3,F1,CI,NBR,CR*LV)	1,079.82	199.25
40 23 51 00-0017	EA	4" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,4,F1,CI,NBR,CR*GS-6-HD8)	1,941.87	307.20
40 23 51 00-0018	EA	4" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,4,F1,CI,NBR,CR*GS-6-CW8)	2,289.41	307.20
40 23 51 00-0019	EA	6" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,6,F1,CI,NBR,CR*GS-6-HD8)	2,782.95	380.02
40 23 51 00-0020	EA	6" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,6,F1,CI,NBR,CR*GS-6-CW8)	3,134.50	380.02
40 23 51 00-0021	EA	8" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,8,F1,CI,NBR,CR*GS-6-HD12)	4,078.60	485.58
40 23 51 00-0022	EA	8" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,8,F1,CI,NBR,CR*GS-6-CW12)	4,502.47	485.58
40 23 51 00-0023	EA	10" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,10,F1,CI,NBR,CR*GS-12-HD12)	6,524.55	591.14
40 23 51 00-0024	EA	10" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,10,F1,CI,NBR,CR*GS-12-CW12)	6,948.43	591.14
40 23 51 00-0025	EA	12" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,12,F1,CI,NBR,CR*GS-12-HD16)	8,593.76	717.80
40 23 51 00-0026	EA	12" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,12,F1,CI,NBR,CR*GS-12-CW20)	9,377.24	717.80
40 23 51 00-0027	EA	14" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,14,F1,CI,NBR,CR*GS-12-HD16)	10,974.79	1,017.44
40 23 51 00-0028	EA	14" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,14,F1,CI,NBR,CR*GS-12-CW20)	11,762.28	1,017.44
40 23 51 00-0029	EA	16" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,16,F1,CI,NBR,CR*GS-12-HD16)	13,225.38	1,119.19
40 23 51 00-0030	EA	16" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,16,F1,CI,NBR,CR*GS-12-CW20)	14,012.87	1,119.19
40 23 51 00-0031	EA	18" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,18,F1,CI,NBR,CR*GS-12-HD24)	17,395.80	1,241.28
40 23 51 00-0032	EA	18" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,18,F1,CI,NBR,CR*GS-12-CW30)	18,062.76	1,241.28
40 23 51 00-0033	EA	20" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,20,F1,CI,NBR,CR*GS-16-HD16)	24,037.48	1,398.99
40 23 51 00-0034	EA	20" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,20,F1,CI,NBR,CR*GS-16-CW20)	24,800.86	1,398.99
40 23 51 00-0035	EA	24" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,24,F1,CI,NBR,CR*GS-16-HD16)	42,860.54	1,716.94
40 23 51 00-0036	EA	24" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,24,F1,CI,NBR,CR*GS-16-CW20)	43,623.92	1,716.94
40 23 51 00-0037	EA	30" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,30,F1,CI,NBR,CR*GS-16-HD24)	59,081.89	2,717.75
40 23 51 00-0038	EA	30" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,30,F1,CI,NBR,CR*GS-16-CW30)	59,997.95	2,717.75
40 23 51 00-0039	EA	36" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,36,F1,CI,NBR,CR*GS-16-HD30)	90,299.58	3,623.67
40 23 51 00-0040	EA	36" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,36,F1,CI,NBR,CR*GS-16-CW30)	90,679.26	3,623.67

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 23 51 00-0041		**Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valves** *(40 23 51)*		
40 23 51 00-0042	EA	3" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,3,F1,CI,NBR,CR*GS-6A-HD8)	2,288.09	199.25
40 23 51 00-0043	EA	3" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,3,F1,CI,NBR,CR*GS-6A-CW8)	2,699.92	199.25
40 23 51 00-0044	EA	4" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,4,F1,CI,NBR,CR*GS-6A-HD8)	2,520.43	307.20
40 23 51 00-0045	EA	4" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,4,F1,CI,NBR,CR*GS-6A-CW8)	2,934.26	307.20
40 23 51 00-0046	EA	6" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,6,F1,CI,NBR,CR*GS-6A-HD8)	3,984.27	380.02
40 23 51 00-0047	EA	6" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,6,F1,CI,NBR,CR*GS-6A-CW8)	4,398.10	380.02
40 23 51 00-0048	EA	8" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,8,F1,CI,NBR,CR*GS-6A-HD12)	4,884.17	485.58
40 23 51 00-0049	EA	8" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,8,F1,CI,NBR,CR*GS-6A-CW12)	5,386.39	485.58
40 23 51 00-0050	EA	10" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,10,F1,CI,NBR,CR*GS-12A-HD12)	7,983.01	591.14
40 23 51 00-0051	EA	10" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,10,F1,CI,NBR,CR*GS-12A-CW12)	8,485.24	591.14
40 23 51 00-0052	EA	12" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,12,F1,CI,NBR,CR*GS-12A-HD16)	9,451.57	717.80
40 23 51 00-0053	EA	12" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,12,F1,CI,NBR,CR*GS-12A-CW20)	10,098.43	717.80
40 23 51 00-0054	EA	14" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,14,F1,CI,NBR,CR*GS-12A-HD16)	12,461.37	1,017.44
40 23 51 00-0055	EA	14" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,14,F1,CI,NBR,CR*GS-12A-CW20)	13,104.22	1,017.44
40 23 51 00-0056	EA	16" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,16,F1,CI,NBR,CR*GS-12A-HD16)	14,748.13	1,119.19
40 23 51 00-0057	EA	16" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,16,F1,CI,NBR,CR*GS-12A-CW20)	15,390.98	1,119.19
40 23 51 00-0058	EA	18" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,18,F1,CI,NBR,CR*GS-12A-HD24)	18,918.55	1,241.28
40 23 51 00-0059	EA	18" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,18,F1,CI,NBR,CR*GS-12A-CW30)	19,710.06	1,241.28
40 23 51 00-0060	EA	20" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,20,F1,CI,NBR,CR*MG-WR3-HD24)	32,613.47	1,398.99
40 23 51 00-0061	EA	20" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,20,F1,CI,NBR,CR*GS-12A-CW30)	25,857.54	1,398.99
40 23 51 00-0062	EA	24" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,24,F1,CI,NBR,CR*MG-WR1-HD24)	53,469.54	1,716.94
40 23 51 00-0063	EA	24" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,24,F1,CI,NBR,CR*MG-WR1-CW30)	53,469.54	1,716.94
40 23 51 00-0064	EA	30" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,30,F1,CI,NBR,CR*MG-WR4-HD24)	82,166.16	2,717.75
40 23 51 00-0065	EA	30" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,30,F1,CI,NBR,CR*MG-WR4-CW30)	82,166.16	2,717.75
40 23 51 00-0066	EA	36" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,36,F1,CI,NBR,CR*MG-WR4-HD24)	113,144.79	3,623.67
40 23 51 00-0067	EA	36" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,36,F1,CI,NBR,CR*MG-WR4-CW30)	113,144.79	3,623.67
40 23 51 00-0068		**Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valves** *(40 23 51)*		
40 23 51 00-0069	EA	4" Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,4,MJ,CI,NBR,CR*NT)	1,375.36	307.97
40 23 51 00-0070	EA	6" Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,6,MJ,CI,NBR,CR*NT)	2,321.75	422.24
40 23 51 00-0071	EA	8" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,8,MJ,CI,NBR,CR*GB-6-N)	4,164.95	482.53
40 23 51 00-0072	EA	10" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,10,MJ,CI,NBR,CR*GB-6-N)	5,931.93	591.14
40 23 51 00-0073	EA	12" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,12,MJ,CI,NBR,CR*GB-6-N)	7,442.16	716.51
40 23 51 00-0074	EA	14" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,14,MJ,CI,NBR,CR*GB-12-N)	10,713.63	1,017.44
40 23 51 00-0075	EA	16" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,16,MJ,CI,NBR,CR*GB-12-N)	13,293.69	1,119.19
40 23 51 00-0076	EA	18" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,18,MJ,CI,NBR,CR*GB-12-N)	17,219.55	1,243.52

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 23 51 00-0077	EA	20" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,20,MJ,CI,NBR,CR*GB-12-N)	23,131.46	1,398.99
40 23 51 00-0078	EA	24" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,24,MJ,CI,NBR,CR*GB-16-N)	45,706.86	1,721.83
40 23 51 00-0079	EA	30" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,30,MJ,CI,NBR,CR*GB-16-N)	61,799.42	2,767.17
40 23 51 00-0080	EA	36" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,36,MJ,CI,NBR,CR*GB-16-N)	89,334.32	3,458.96
40 23 51 00-0081		**Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valves** *(40 23 51)*		
40 23 51 00-0082	EA	4" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,4,F1,CI,NBR,CR*GS-6-PC4,EPP)	8,334.30	307.20
40 23 51 00-0083	EA	6" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,6,F1,CI,NBR,CR*GS-6-PC4,EPP)	9,132.89	380.02
40 23 51 00-0084	EA	8" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,8,F1,CI,NBR,CR*GS-6-PC6,EPP)	10,086.24	485.58
40 23 51 00-0085	EA	10" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,10,F1,CI,NBR,CR*GS-6-PC8,EPP)	11,635.61	591.14
40 23 51 00-0086	EA	12" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,12,F1,CI,NBR,CR*GS-12-PC6,EPP)	14,873.32	717.80
40 23 51 00-0087	EA	14" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,14,F1,CI,NBR,CR*GS-12-PC6,EPP)	18,117.41	1,017.44
40 23 51 00-0088	EA	16" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,16,F1,CI,NBR,CR*GS-12-PC8,EPP)	21,379.80	1,119.19
40 23 51 00-0089	EA	18" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,18,F1,CI,NBR,CR*GS-12-PC8,EPP)	25,097.51	1,241.28
40 23 51 00-0090	EA	20" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,20,F1,CI,NBR,CR*GS-12-PC10,EPP)	31,321.02	1,398.99
40 23 51 00-0091	EA	24" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,24,F1,CI,NBR,CR*GS-16-PC8,EPP)	59,108.52	1,716.94
40 23 51 00-0092		**Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valves** *(40 23 51)*		
40 23 51 00-0093	EA	3" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,3,6000A,F1,DI,DI-S11-S2-NBR*AC)	9,159.06	199.25
40 23 51 00-0094	EA	4" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,4,6000A,F1,DI,DI-S11-S2-NBR*AC)	9,924.97	307.20
40 23 51 00-0095	EA	6" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,6,6000A,F1,DI,DI-S11-S2-NBR*AC)	11,006.73	380.02
40 23 51 00-0096	EA	8" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,8,6000A,F1,DI,DI-S11-S2-NBR*AC)	12,033.20	485.58
40 23 51 00-0097	EA	10" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,10,6000A,F1,DI,DI-S11-S2-NBR*AC)	15,588.92	591.14
40 23 51 00-0098	EA	12" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,12,6000A,F1,DI,DI-S11-S2-NBR*AC)	20,065.66	717.80
40 23 51 00-0099	EA	14" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,14,6000A,F1,DI,DI-S11-S2-NBR*AC)	34,346.80	1,017.44
40 23 51 00-0100	EA	16" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,16,6000,F1,DI,DI-S11-S2-NBR*AC)	47,672.49	1,119.19
40 23 51 00-0101	EA	18" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,18,6000,F1,DI,DI-S11-S2-NBR*AC)	51,726.61	1,241.28
40 23 51 00-0102	EA	20" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,20,6000,F1,DI,DI-S11-S2-NBR*AC)	50,348.73	1,398.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 23 51 00-0103	EA	24" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,24,6000,F1,DI,DI-S11-S2-NBR*AC)	62,221.16	1,716.94
40 23 51 00-0104		**Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valves** *(40 23 51)*		
40 23 51 00-0105	EA	2" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,2,250A,F1,DIF,DI-S1-S2-NBR*AC)	3,210.10	156.04
40 23 51 00-0106	EA	3" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,3,250A,F1,DIF,DI-S1-S2-NBR*AC)	3,444.06	199.25
40 23 51 00-0107	EA	4" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,4,250A,F1,DIF,DI-S1-S2-NBR*AC)	3,984.97	307.20
40 23 51 00-0108	EA	6" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,6,250A,F1,DIF,DI-S1-S2-NBR*AC)	4,504.73	380.02
40 23 51 00-0109	EA	8" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,8,250A,F1,DIF,DI-S1-S2-NBR*AC)	5,913.20	485.58
40 23 51 00-0110	EA	10" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,10,250A,F1,DIF,DI-S1-S2-NBR*AC)	8,118.92	591.14
40 23 51 00-0111	EA	12" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,12,250A,F1,DIF,DI-S1-S2-NBR*AC)	14,305.66	717.80
40 23 51 00-0112	EA	14" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,14,250A,F1,DIF,DI-S1-S2-NBR*AC)	16,661.80	1,017.44
40 23 51 00-0113	EA	16" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,16,250,F1,DIF,DI-S1-S1-NBR*AC)	21,018.99	1,119.19
40 23 51 00-0114	EA	18" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,18,250,F1,DIF,DI-S1-S1-NBR*AC)	31,026.61	1,241.28
40 23 51 00-0115	EA	20" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,20,250,F1,DIF,DI-S1-S1-NBR*AC)	34,823.73	1,398.99
40 23 51 00-0116	EA	24" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,24,250,F1,DIF,DI-S1-S1-NBR*AC)	53,446.16	1,716.94
40 23 51 00-0117		**Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knifegate Valves** *(40 23 51)*		
40 23 51 00-0118	EA	2" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knifegate Valve (DeZurik KGC,2,HD,F1,S2,SMP,S2-M*MN-HD8-CS)	1,284.10	156.07
40 23 51 00-0119	EA	3" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knifegate Valve (DeZurik KGC,3,HD,F1,S2,SMP,S2-M*MN-HD8-CS)	1,446.06	199.25
40 23 51 00-0120	EA	4" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knifegate Valve (DeZurik KGC,4,HD,F1,S2,SMP,S2-M*MN-HD8-CS)	1,968.97	307.20
40 23 51 00-0121	EA	6" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knifegate Valve (DeZurik KGC,6,HD,F1,S2,SMP,S2-M*MN-HD12-CS)	2,357.73	380.02
40 23 51 00-0122	EA	8" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knifegate Valve (DeZurik KGC,8,HD,F1,S2,SMP,S2-M*MN-HD12-CS)	3,078.20	485.58
40 23 51 00-0123	EA	10" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knifegate Valve (DeZurik KGC,10,HD,F1,S2,SMP,S2-M*MN-HD16-CS)	4,473.92	591.14
40 23 51 00-0124	EA	12" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knifegate Valve (DeZurik KGC,12,BD,F1,S2,SMP,S2-CR*MN-HD16-CS)	5,980.66	717.80
40 23 51 00-0125	EA	14" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knifegate Valve (DeZurik KGC,14,BD,F1,S2,SMP,S2-CR*MN-HD20-S1)	8,561.80	1,017.44
40 23 51 00-0126	EA	16" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knifegate Valve (DeZurik KGC,16,BD,F1,S2,SMP,S2-CR*MN-HD20-S1)	10,578.99	1,119.19
40 23 51 00-0127	EA	18" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knifegate Valve (DeZurik KGC,18,BD,F1,S2,SMP,S2-CR*MN-HD20-S1)	14,601.61	1,241.28
40 23 51 00-0128	EA	20" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knifegate Valve (DeZurik KGC,20,BD,F1,S2,SMP,S2-CR*MN-HD20-S1)	17,588.73	1,398.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 23 51 00-0129	EA	24" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knifegate Valve (DeZurik KGC,24,BD,F1,S2,SMP,S2-CR*MNB-HD24-S1)	26,446.16	1,716.94
40 23 51 00-0130		**Flanged, ANSI 150, 316 Stainless Steel, Acrylonitrile-Butadiene Seat, 316 Stainless Steeel Disc, Single Body Sewage Combination Air Valves** *(40 23 51)*		
40 23 51 00-0131	EA	1" Flanged, ANSI 150, 316 Stainless Steel, Acrylonitrile-Butadiene Seat, 316 Stainless Steeel Disc, Single Body Sewage Combination Air Valve (DeZurik ASU,1.2,SCAV,F1,S2,R516-NBR-S2-S2-S2*)	6,770.43	87.79
40 23 51 00-0132	EA	2" Flanged, ANSI 150, 316 Stainless Steel, Acrylonitrile-Butadiene Seat, 316 Stainless Steeel Disc, Single Body Sewage Combination Air Valve (DeZurik ASU,2,SCAV,F1,S2,R516-NBR-S2-S2-S2*)	6,855.10	156.04
40 23 51 00-0133	EA	3" Flanged, ANSI 150, 316 Stainless Steel, Acrylonitrile-Butadiene Seat, 316 Stainless Steeel Disc, Single Body Sewage Combination Air Valve (DeZurik ASU,3,SCAV,F1,S2,R516-NBR-S2-S2-S2*)	8,181.66	199.25
40 23 51 00-0134	EA	4" Flanged, ANSI 150, 316 Stainless Steel, Acrylonitrile-Butadiene Seat, 316 Stainless Steeel Disc, Single Body Sewage Combination Air Valve (DeZurik ASU,4,SCAV,F1,S2,R516-NBR-S2-S2-S2*)	8,927.77	307.20
40 23 51 00-0135		**Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valves** *(40 23 51)*		
40 23 51 00-0136	EA	2" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,2,F1L,S3,TC,S3NH-S10-S3-FT*PR-R1A-PC4)	5,374.20	156.04
40 23 51 00-0137	EA	4" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,4,F1L,S3,TC,S3NH-S10-S3-FT*PR-R1A-PC4)	8,924.13	307.20
40 23 51 00-0138	EA	6" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,6,F1L,S3,TC,S3NH-S10-S3-FT*PR-R2A-PC6)	12,086.28	380.02
40 23 51 00-0139	EA	8" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,8,F1L,S3,TC,S3NH-S10-S3-FT*PR-R2A-PC6)	15,688.66	485.58
40 23 51 00-0140	EA	10" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,10,F1L,S3,TC,S3NH-S10-S3-FT*PR-R2A-PC8)	21,258.39	591.14
40 23 51 00-0141	EA	12" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,12,F1L,S3,TC,S3NH-S10-S3-FT*PR-R2A-PC8)	32,306.32	717.80
40 23 51 00-0142	EA	14" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,14,F1S,S3,TC,S3NH-S10-S3-FT*PR-R2A-PC8)	37,098.93	1,017.44
40 23 51 00-0143	EA	16" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,16,F1S,S3,TC,S3NH-S10-S3-FT*PR-R3A-PC10)	77,289.75	1,119.19
40 23 51 00-0144	EA	18" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,18,F1S,S3,TC,S3NH-S10-S3-FT*PR-R3A-PC10)	90,766.70	1,241.28
40 23 51 00-0145	EA	20" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,20,F1S,S3,TC,S3NH-S10-S3-FT*PR-R3A-PC10)	115,584.86	1,398.99
40 23 51 00-0146		**Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valves** *(40 23 51)*		
40 23 51 00-0147	EA	2" Lever Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,2,L1,S2,TC,S2-S5A-FT-TT*LT)	1,640.52	156.04
40 23 51 00-0148	EA	2-1/2" Lever Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,2.5,L1,S2,TC,S2-S5A-FT-TT*LT)	1,773.47	169.73
40 23 51 00-0149	EA	4" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,4,L1,S2,TC,S2-S5A-FT-TT*MG-7-HD8)	2,698.58	307.20
40 23 51 00-0150	EA	4" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,4,L1,S2,TC,S2-S5A-FT-TT*MG-7-CW8)	2,867.33	307.20
40 23 51 00-0151	EA	6" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,6,L1,S2,TC,S2-S5A-FT-TT*MG-7-HD8)	3,771.41	380.02
40 23 51 00-0152	EA	6" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,6,L1,S2,TC,S2-S5A-FT-TT*MG-7-CW8)	3,928.52	380.02
40 23 51 00-0153	EA	8" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,8,L1,S2,TC,S2-S5A-FT-TT*MG-7-HD8)	4,866.15	485.58
40 23 51 00-0154	EA	8" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,8,L1,S2,TC,S2-S5A-FT-TT*MG-7-CW8)	5,023.26	485.58
40 23 51 00-0155	EA	10" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,10,L1,S2,TC,S2-S5A-FT-TT*MG-1012-HD8)	6,819.71	591.14

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 23 51 00-0156	EA	10" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,10,L1,S2,TC,S2-S5A-FT-TT*MG-1012-CW8)	6,976.82	591.14
40 23 51 00-0157	EA	12" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,12,L1,S2,TC,S2-S5A-FT-TT*MG-1012-HD8)	8,652.30	717.80
40 23 51 00-0158	EA	12" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,12,L1,S2,TC,S2-S5A-FT-TT*MG-1012-CW8)	8,809.41	717.80
40 23 51 00-0159	EA	14" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,14,L1,S2,TC,S2-S5A-FT-TT*MG-1012-HD8)	12,327.78	1,017.44
40 23 51 00-0160	EA	14" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,14,L1,S2,TC,S2-S5A-FT-TT*MG-1012-CW8)	12,484.89	1,017.44
40 23 51 00-0161	EA	16" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,16,L1,S2,TC,S2-S5A-FT-TT*MG-1216-HD16)	15,800.85	1,119.19
40 23 51 00-0162	EA	16" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,16,L1,S2,TC,S2-S5A-FT-TT*MG-1216-CW20)	16,062.71	1,119.19
40 23 51 00-0163	EA	18" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,18,L1,S2,TC,S2-S5A-FT-TT*MG-1216-HD24)	20,562.07	1,241.28
40 23 51 00-0164	EA	18" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,18,L1,S2,TC,S2-S5A-FT-TT*MG-1216-CW20)	20,823.92	1,241.28
40 23 51 00-0165	EA	20" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,20,L1,S2,TC,S2-S5A-FT-TT*MG-1216-HD24)	24,634.60	1,398.99
40 23 51 00-0166	EA	20" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,20,L1,S2,TC,S2-S5A-FT-TT*MG-16-CW30)	25,409.68	1,398.99
40 23 51 00-0167	EA	24" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,24,L1,S2,TC,S2-S5-FT-TT*GS-12-HD16)	42,523.75	1,716.94
40 23 51 00-0168	EA	24" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,24,L1,S2,TC,S2-S5-FT-TT*GS-12-CW20)	43,074.22	1,716.94
40 23 51 00-0169	EA	30" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,30,L1,S2,TC,S2-S5-FT-TT*GS-12-HD30)	66,582.68	2,717.75
40 23 51 00-0170	EA	30" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,30,L1,S2,TC,S2-S5-FT-TT*GS-12-CW30)	66,896.90	2,717.75
40 23 51 00-0171	EA	36" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,36,L1,S2,TC,S2-S5-FT-TT*GS-12-HD30)	90,270.43	3,623.67
40 23 51 00-0172	EA	36" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,36,L1,S2,TC,S2-S5-FT-TT*GS-12-CW30)	90,584.66	3,623.67

40 23 51 00-0173 Plug, Bearings And Packing, Plug Valve Rebuild Kits *(40 23 51)*

40 23 51 00-0174	EA	2" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik)	430.72	
40 23 51 00-0175	EA	4" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik)	1,226.69	
40 23 51 00-0176	EA	6" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik)	1,524.21	
40 23 51 00-0177	EA	8" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik)	1,817.10	
40 23 51 00-0178	EA	10" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik)	4,362.79	
40 23 51 00-0179	EA	12" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik)	5,288.98	
40 23 51 00-0180	EA	14" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik)	9,077.30	
40 23 51 00-0181	EA	16" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik)	8,417.10	

40 23 51 00-0182 Air Cushioned, Lever And Weight, 125 Lb. Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valves *(40 23 51)*

40 23 51 00-0183	EA	3" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	3,979.35	183.25
40 23 51 00-0184	EA	4" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	4,727.21	307.20
40 23 51 00-0185	EA	6" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	5,391.29	380.02
40 23 51 00-0186	EA	8" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	6,713.27	485.58
40 23 51 00-0187	EA	10" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	8,968.18	591.14
40 23 51 00-0188	EA	12" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	12,481.59	717.80
40 23 51 00-0189	EA	14" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	18,340.22	1,017.44
40 23 51 00-0190	EA	16" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	20,593.23	1,119.19
40 23 51 00-0191	EA	18" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	24,937.82	1,241.28

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 23 51 00-0192	EA	20" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	26,604.45	1,398.99
40 23 51 00-0193	EA	24" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	48,984.87	1,716.94

40 23 51 00-0194 Lever And Weight, 125 Lb. Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valves *(40 23 51)*

40 23 51 00-0195	EA	3" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	2,790.49	183.25
40 23 51 00-0196	EA	4" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	3,484.10	307.20
40 23 51 00-0197	EA	6" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	4,065.42	380.02
40 23 51 00-0198	EA	8" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	5,599.54	485.58
40 23 51 00-0199	EA	10" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	7,748.37	591.14
40 23 51 00-0200	EA	12" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	10,141.42	717.80
40 23 51 00-0201	EA	14" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	17,319.30	1,017.44
40 23 51 00-0202	EA	16" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	19,525.90	1,119.19
40 23 51 00-0203	EA	18" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	23,470.52	1,241.28
40 23 51 00-0204	EA	20" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	25,042.13	1,398.99
40 23 51 00-0205	EA	24" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	43,911.19	1,716.94

40 23 51 00-0206 125 Lb. Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valves *(40 23 51)*

40 23 51 00-0207	EA	3" 125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valve (GA Industries GAX625DX)	9,718.18	183.25
40 23 51 00-0208	EA	4" 125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valve (GA Industries GAX625DX)	10,121.30	307.20
40 23 51 00-0209	EA	6" 125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valve (GA Industries GAX625DX)	13,262.56	380.02
40 23 51 00-0210	EA	8" 125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valve (GA Industries GAX625DX)	15,512.65	485.58
40 23 51 00-0211	EA	10" 125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valve (GA Industries GAX625DX)	22,527.45	591.14
40 23 51 00-0212	EA	12" 125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valve (GA Industries GAX625DX)	28,027.46	717.80

40 23 51 00-0213 Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valves *(40 23 51)*

40 23 51 00-0214	EA	3" Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valve (GA Industries GAX942FT)	2,341.74	183.25
40 23 51 00-0215	EA	4" Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valve (GA Industries GAX942FT)	2,732.49	307.20
40 23 51 00-0216	EA	6" Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valve (GA Industries GAX942FT)	4,230.15	380.02
40 23 51 00-0217	EA	8" Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valve (GA Industries GAX942FT)	4,686.41	485.58
40 23 51 00-0218	EA	10" Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valve (GA Industries GAX942FT)	5,624.89	591.14
40 23 51 00-0219	EA	12" Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valve (GA Industries GAX942FT)	8,064.06	717.80

END OF SECTION 40

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

41 Material Processing and Handling Equipment

41 01 Operation and Maintenance of Material Processing and Handling Equipment *(41)*

41 01 20 Operation and Maintenance of Piece Material Handling Equipment *(41 01)*

41 01 20 13 Operation And Maintenance Of Hoists Or Cranes *(41 01 20)*

41 01 20 13-0001 Maintenance *(41 01 20 13)*

41 01 20 13-0002	EA	Regular Inspection	419.86	
41 01 20 13-0003	HR	Hoist Or Crane Servicing, Labor Only	125.65	
41 01 20 13-0004	MO	Hoist Or Crane Maintenance Contract	1,006.71	

41 20 Piece Material Handling Equipment *(41)*

41 22 Cranes and Hoists *(41 20)*

41 22 23 Hoists *(41 22)*

41 22 23 13 Fixed Hoists *(41 22 23)*

41 22 23 13-0001 Air-Powered Chain Hoists *(41 22 23 13)*
Note: Excludes beam.

41 22 23 13-0002	EA	500 Lb. Capacity, Air-Powered Chain Hoist	7,727.04	387.57
41 22 23 13-0003	EA	1,000 Lb. Capacity, Air-Powered Chain Hoist	7,818.39	387.57
41 22 23 13-0004	EA	2,000 Lb. Capacity, Air-Powered Chain Hoist	9,439.10	387.57
41 22 23 13-0005	EA	4,000 Lb. Capacity, Air-Powered Chain Hoist	11,927.10	516.76
41 22 23 13-0006	EA	6,000 LB Capacity, Air-Powered Chain Hoist	15,046.08	645.94
41 22 23 13-0007	EA	8,000 LB Capacity, Air-Powered Chain Hoist	17,711.76	949.28
41 22 23 13-0008	EA	10,000 LB Capacity, Air-Powered Chain Hoist	20,435.84	1,146.55
41 22 23 13-0009	EA	12,000 LB Capacity, Air-Powered Chain Hoist	21,204.12	1,146.55

41 22 23 13-0010 Electric Hoists *(41 22 23 13)*

41 22 23 13-0011 Electric Industrial Chain Hoists *(41 22 23 13-0010)*
Note: Includes 20' of chain. Excludes beams.

41 22 23 13-0012	EA	500 LB Capacity, Electric Industrial Chain Hoist	2,681.60	374.65
		For DC Electrical Operated, Add	*482.51*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0013	EA	1,000 LB Capacity, Electric Industrial Chain Hoist	2,787.91	374.65
		For DC Electrical Operated, Add	*508.58*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0014	EA	2,000 LB Capacity, Electric Industrial Chain Hoist	3,058.14	374.65
		For DC Electrical Operated, Add	*573.05*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0015	EA	3,000 LB Capacity, Electric Industrial Chain Hoist	4,484.52	387.57
		For DC Electrical Operated, Add	*921.46*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0016	EA	4,000 LB Capacity, Electric Industrial Chain Hoist	3,906.92	387.57
		For DC Electrical Operated, Add	*774.76*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0017	EA	5,000 LB Capacity, Electric Industrial Chain Hoist	5,478.58	400.49
		For DC Electrical Operated, Add	*1,157.27*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0018	EA	6,000 LB Capacity, Electric Industrial Chain Hoist	5,034.09	439.24
		For DC Electrical Operated, Add	*1,009.99*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0019	EA	7,500 LB Capacity, Electric Industrial Chain Hoist	6,151.61	542.60
		For DC Electrical Operated, Add	*1,283.05*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0020	EA	10,000 LB Capacity, Electric Industrial Chain Hoist	7,217.41	573.32
		For DC Electrical Operated, Add	*1,556.39*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0021	EA	15,000 LB Capacity, Electric Industrial Chain Hoist	11,474.52	598.24
		For DC Electrical Operated, Add	*2,569.25*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0022	EA	20,000 LB Capacity, Electric Industrial Chain Hoist	13,683.27	623.17
		For DC Electrical Operated, Add	*3,108.48*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0023	EA	25,000 LB Capacity, Electric Industrial Chain Hoist	18,785.03	648.10
		For DC Electrical Operated, Add	*4,370.62*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0024	EA	30,000 LB Capacity, Electric Industrial Chain Hoist	23,959.95	710.42
		For DC Electrical Operated, Add	*5,633.03*	
		For Each LF Copper Conductor Bar, Add	*10.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
41 22 23 13-0025		**Hand Chain Hoists** *(41 22 23 13)*		
41 22 23 13-0026	EA	1,000 LB Capacity, Hand Chain Hoist	1,850.41	155.60
41 22 23 13-0027	EA	2,000 LB Capacity, Hand Chain Hoist	2,184.27	157.73
41 22 23 13-0028	EA	3,000 LB Capacity, Hand Chain Hoist	2,939.98	165.19
41 22 23 13-0029	EA	4,000 LB Capacity, Hand Chain Hoist	3,312.09	167.32
41 22 23 13-0030	EA	5,000 LB Capacity, Hand Chain Hoist	4,001.25	175.85
41 22 23 13-0031	EA	6,000 LB Capacity, Hand Chain Hoist	4,479.61	205.69
41 22 23 13-0032	EA	10,000 LB Capacity, Hand Chain Hoist	6,222.83	212.09
41 22 23 13-0033	EA	16,000 LB Capacity, Hand Chain Hoist	8,129.65	255.77
41 22 23 13-0034	EA	20,000 LB Capacity, Hand Chain Hoist	9,937.37	267.51
41 22 23 13-0035	EA	30,000 LB Capacity, Hand Chain Hoist	17,540.53	305.87

41 50 Material Storage *(41)*

41 53 Storage Equipment and Systems *(41 50)*

41 53 13 Storage Cabinets *(41 53)*

41 53 13 00-0001		**Steel Storage Cabinets** *(41 53 13)* Note: Includes powder coated finish and 4 adjustable shelves.		
41 53 13 00-0002	EA	36" Width x 24" Depth x 78" Height, 22 Gauge, Welded Steel Storage Cabinet	1,053.17	16.55
41 53 13 00-0003	EA	36" Width x 24" Depth x 78" Height, 16 Gauge, Welded Steel Storage Cabinet	2,156.46	16.55
		For 4" High Legs, Add	*354.22*	
		For Galvanized Finish, Add	*301.00*	
41 53 13 00-0004	EA	48" Width x 24" Depth x 78" Height, 16 Gauge, Welded Steel Storage Cabinet	2,250.05	16.55
		For 4" High Legs, Add	*354.22*	
		For Galvanized Finish, Add	*301.00*	
41 53 13 00-0005	EA	60" Width x 24" Depth x 78" Height, 16 Gauge, Welded Steel Storage Cabinet	2,937.82	16.55
		For 4" High Legs, Add	*354.22*	
		For Galvanized Finish, Add	*395.00*	
41 53 13 00-0006	EA	36" Width x 24" Depth x 78" Height, 14 Gauge, Welded Steel Storage Cabinet	2,226.11	16.55
		For 4" High Legs, Add	*354.22*	
		For Galvanized Finish, Add	*395.00*	
41 53 13 00-0007	EA	48" Width x 24" Depth x 78" Height, 14 Gauge, Welded Steel Storage Cabinet	2,324.05	16.55
		For 4" High Legs, Add	*354.22*	
		For Galvanized Finish, Add	*395.00*	
41 53 13 00-0008	EA	60" Width x 24" Depth x 78" Height, 14 Gauge, Welded Steel Storage Cabinet	3,031.40	16.55
		For 4" High Legs, Add	*354.22*	
		For Galvanized Finish, Add	*395.00*	
41 53 13 00-0009		**Plastic Storage Cabinets** *(41 53 13)*		
41 53 13 00-0010	EA	36" Width x 22" Depth x 46" Height, Plastic Storage Cabinet Note: Includes 2 adjustable shelves.	772.91	16.55
41 53 13 00-0011	EA	36" Width x 22" Depth x 72" Height, Plastic Storage Cabinet Note: Includes 4 adjustable shelves.	958.74	16.55

END OF SECTION 41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

50 Custom Standards And Assemblies

50 70 Greenbook Custom Standards And Assemblies *(50)*

Note: Refer to www.greenbookspecs.org for Greenbook: Standard Specifications for Public Works Construction. Tasks may include a quantity for a unit of measure price basis at end of the description in parentheses. Use as directed by owner only.

50 71 GENERAL PROVISIONS *(50 70)*

50 71 00 01 SECTION 1 - General, Terms, Definitions, Abbreviations, Units Of Measure, And Symbols *(50 71)*

50 71 00 01-0001 General, Terms, Definitions, Abbreviations, Units Of Measure, And Symbols *(50 71 00 01)*

50 71 00 01-0002	LS	PAYMENT AND PERFORMANCE BONDS Note: Payment and Preformance Bonds will be paid as a 1% adjustment to the base cost. Insert the appropriate quantity to adjust the base cost to the actual traffic control cost.	1.00

50 71 00 03 SECTION 3 - Control Of The Work *(50 71)*

50 71 00 03-0001 Control Of The Work *(50 71 00 03)*

50 71 00 03-0002	HR	PREPARATION OF THE SWPPP	150.66
50 71 00 03-0003	HR	IMPLEMENTATION OF THE SWPPP	160.00

50 71 00 05 SECTION 5 - Legal Relations And Responsibilities *(50 71)*

50 71 00 05-0001 Legal Relations And Responsibilities *(50 71 00 05)*

50 71 00 05-0002	HR	IMPLEMENTATION OF THE LTWHP	160.00

50 71 00 06 SECTION 6 - Prosecution And Progress Of The Work *(50 71)*

50 71 00 06-0001 Prosecution And Progress Of The Work *(50 71 00 06)*

50 71 00 06-0002	LS	CONSTRUCTION SCHEDULE (BASELINE)	2,191.36
50 71 00 06-0003	MTH	CONSTRUCTION SCHEDULE (UPDATE)	547.84
50 71 00 06-0004	LS	CONSTRUCTION SCHEDULE (AS-BUILT)	1,610.24
50 71 00 06-0005	LS	RESTRICTED WORK HOURS PREMIUM Note: Restricted work hours premium will be paid as a 30% adjustment to the base cost. Insert the appropriate quantity to adjust the base cost to the actual traffic control cost.	1.00
50 71 00 06-0006	EA	RED FLAG WARNING DAY	1,820.44

50 71 00 07 SECTION 7 - Measurement And Payment *(50 71)*

50 71 00 07-0001 Measurement And Payment *(50 71 00 07)*

50 71 00 07-0002	NTE	MOBILIZATION See CSI section 01 71 13 00-0000 for mobilization.	0.00
50 71 00 07-0003	NTE	REIMBURSABLE FEES See CSI section 01 22 16 00-0002 for reimbursable fee.	0.00

50 71 00 08 SECTION 8 - Facilities For Agency Personnel *(50 71)*

50 71 00 08-0001 Facilities For Agency Personnel *(50 71 00 08)*

50 71 00 08-0002	NTE	OFFICE FACILITIES Note: Class A Type, Furnished Per Specs See CSI section 01 52 13 00-0001 for field office facilities.	0.00

50 72 CONSTRUCTION MATERIALS *(50 70)*

50 72 02 SECTION 200 - Rock Materials *(50 72)*

50 72 02 00-0001 Rock Materials *(50 72 02)*

50 72 02 00-0002	CY	DECOMPOSED GRANITE, 1" - 6" THICK	291.84

50 72 02 01 SECTION 201 - Concrete, Mortar And Related Materials *(50 72)*

50 72 02 01-0001 Concrete, Mortar And Related Materials *(50 72 02 01)*

50 72 02 01-0002	CY	TRENCH BACKFILL SLURRY (CLASS 270-E-500) (1-9)	322.04
50 72 02 01-0003	CY	TRENCH BACKFILL SLURRY (CLASS 270-E-500) (10-45)	284.17
50 72 02 01-0004	CY	TRENCH BACKFILL SLURRY (CLASS 270-E-500) (46+)	268.16
50 72 02 01-0005	EA	CIRACP/CCPRACP MOBILIZATION	20,000.00
50 72 02 01-0006	EA	CIRACP/CCPRACP MIX DESIGN	16,267.00
50 72 02 01-0007	TON	QUICKLIME FOR CIRACP/CCPRACP	472.53
50 72 02 01-0008	TON	IMPORTED RAP FOR CIRACP/CCPRACP	71.85

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

50 72 02 03 SECTION 203 - Bituminous Materials *(50 72)*

50 72 02 03-0001 Bituminous Materials *(50 72 02 03)*

50 72 02 03-0002	SY	CIR AC PAVEMENT, 2.5" - 3" THICK (15,000-50,000)	17.60	
50 72 02 03-0003	SY	CIR AC PAVEMENT, 2.5" - 3" THICK (50,001+)	16.83	
50 72 02 03-0004	SY	CIR AC PAVEMENT, 3.25" - 4" THICK (15,000-50,000)	21.99	
50 72 02 03-0005	SY	CIR AC PAVEMENT, 3.25" - 4" THICK (50,001+)	21.13	
50 72 02 03-0006	SY	CCPR AC PAVEMENT, 2.5" - 3" THICK (15,000-50,000)	17.60	
50 72 02 03-0007	SY	CCPR AC PAVEMENT, 2.5" - 3" THICK (50,001+)	16.83	
50 72 02 03-0008	SY	CCPR AC PAVEMENT, 3.25" - 4" THICK (15,000-50,000)	21.99	
50 72 02 03-0009	SY	CCPR AC PAVEMENT, 3.25" - 4" THICK (50,001+)	21.13	

50 72 02 06 SECTION 206 - Miscellaneous Metal Items *(50 72)*

50 72 02 06-0001 Miscellaneous Metal Items *(50 72 02 06)*

50 72 02 06-0002	EA	TREE WELL AND COVER PER STD PLAN 519, TYPE 3	757.39	
50 72 02 06-0003	EA	TREE WELL COVER (POROUS) PER STD PLAN 519	707.54	
50 72 02 06-0004	EA	TREE WELL PER STD PLAN 519, TYPE 3 (MOD, A=6')	757.39	
50 72 02 06-0005	SF	CATCH BASIN GRATE PER CALTRANS STD PLAN D77B, TYPE 18-8C OR TYPE 24-10C OR BOE STD PLAN S-342-4	890.75	

50 72 02 10 SECTION 210 - Paint And Protective Coatings *(50 72)*

50 72 02 10-0001 Paint And Protective Coatings *(50 72 02 10)*

50 72 02 10-0002	LF	GALVANIZED SURFACE COLORANT (SHOP APPLIED) (1-100)	22.02	
50 72 02 10-0003	LF	GALVANIZED SURFACE COLORANT (SHOP APPLIED) (101-500)	17.44	
50 72 02 10-0004	LF	GALVANIZED SURFACE COLORANT (SHOP APPLIED) (501+)	14.52	
50 72 02 10-0005	LF	GALVANIZED SURFACE COLORANT (FIELD APPLIED) (1-100)	42.67	
50 72 02 10-0006	LF	GALVANIZED SURFACE COLORANT (FIELD APPLIED) (101-500)	33.49	
50 72 02 10-0007	LF	GALVANIZED SURFACE COLORANT (FIELD APPLIED) (501+)	27.66	

50 72 02 13 SECTION 213 - Engineering Geosynthetics *(50 72)*

50 72 02 13-0001 Engineering Geosynthetics *(50 72 02 13)*

50 72 02 13-0002	SY	STABILIZATION GEOTEXTILE (1-1,000)	10.24	
50 72 02 13-0003	SY	STABILIZATION GEOTEXTILE (1001+)	8.25	

50 73 CONSTRUCTION METHODS *(50 70)*

50 73 03 SECTION 300 - Earthwork *(50 73)*

50 73 03 00-0001 Earthwork *(50 73 03)*

50 73 03 00-0002	CY	UNCLASSIFIED EXCAVATION (1-25)	112.05	
50 73 03 00-0003	CY	UNCLASSIFIED EXCAVATION (26-50)	60.29	
50 73 03 00-0004	CY	UNCLASSIFIED EXCAVATION (51-100)	36.97	
50 73 03 00-0005	CY	UNCLASSIFIED EXCAVATION (101-250)	18.56	
50 73 03 00-0006	CY	UNCLASSIFIED EXCAVATION (251+)	5.80	
50 73 03 00-0007	CY	UNCLASSIFIED EXCAVATION (ROADWAY) (1-100)	46.41	
50 73 03 00-0008	CY	UNCLASSIFIED EXCAVATION (ROADWAY) (101-250)	18.56	
50 73 03 00-0009	CY	UNCLASSIFIED EXCAVATION (ROADWAY) (251+)	7.74	
50 73 03 00-0010	CY	IMPORTED BORROW (1-15)	164.63	
50 73 03 00-0011	CY	IMPORTED BORROW (16-50)	77.28	
50 73 03 00-0012	CY	IMPORTED BORROW (51+)	49.21	
50 73 03 00-0013	CY	IMPORTED BORROW (GUARDRAIL) (1-5)	195.83	
50 73 03 00-0014	CY	IMPORTED BORROW (GUARDRAIL) (6-10)	117.84	
50 73 03 00-0015	CY	IMPORTED BORROW (GUARDRAIL) (11+)	59.34	

50 73 03 00-0016 Root Pruning and Tree Trimming *(50 73 03)*

50 73 03 00-0017	LF	ROOT PRUNE TREE	46.15	
50 73 03 00-0018	EA	ROOT PRUNE TREE INCL ROOT CONTROL BARRIER	1,269.96	
50 73 03 00-0019	EA	ROOT PRUNE ONLY (1-12" DIAMETER)	207.69	
50 73 03 00-0020	EA	ROOT PRUNE ONLY (13-24" DIAMETER)	231.82	
50 73 03 00-0021	EA	ROOT PRUNE ONLY (25-30" DIAMETER)	249.64	
50 73 03 00-0022	EA	ROOT PRUNE ONLY (31" To 36" DIAMETER)	270.45	
50 73 03 00-0023	EA	ROOT PRUNE ONLY (37" To 42" DIAMETER)	295.04	
50 73 03 00-0024	EA	ROOT PRUNE ONLY (43"+ DIAMETER)	324.54	
50 73 03 00-0025	EA	CROWN RAISING, TREE (1-12" DIAMETER)	102.58	
50 73 03 00-0026	EA	CROWN RAISING, TREE (13-24" DIAMETER)	126.26	
50 73 03 00-0027	EA	CROWN RAISING, TREE (13-24" DIAMETER) MULBERRY, EUCALYPTUS, PINE, FICUS, ASH AND ELM	252.52	
50 73 03 00-0028	EA	CROWN RAISING, TREE (25"+ DIAMETER)	136.78	
50 73 03 00-0029	EA	CROWN RAISING, TREE (25"+ DIAMETER) MULBERRY, EUCALYPTUS, PINE, FICUS, ASH AND ELM	273.56	
50 73 03 00-0030	EA	CROWN REDUCTION, TREE (1" - 12" DIAMETER)	273.56	
50 73 03 00-0031	EA	CROWN REDUCTION, TREE (13-24" DIAMETER) (< 70' HEIGHT)	328.27	
50 73 03 00-0032	EA	CROWN REDUCTION, TREE (13-24" DIAMETER) (> 70' HEIGHT)	410.34	
50 73 03 00-0033	EA	CROWN REDUCTION, TREE (13-24" DIAMETER) MULBERRY, EUCALYPTUS, PINE, FICUS, ASH AND ELM	656.54	
50 73 03 00-0034	EA	CROWN REDUCTION, TREE (25-30" DIAMETER) (< 70' HEIGHT)	364.75	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 73 03 00-0035	EA	CROWN REDUCTION, TREE (25-30" DIAMETER) (> 70' HEIGHT)	468.96	
50 73 03 00-0036	EA	CROWN REDUCTION, TREE (25-30" DIAMETER)MULBERRY, EUCALYPTUS, PINE, FICUS, ASH AND ELM	729.49	
50 73 03 00-0037	EA	CROWN REDUCTION, TREE (31-36" DIAMETER) (< 70' HEIGHT)	410.34	
50 73 03 00-0038	EA	CROWN REDUCTION, TREE (31-36" DIAMETER) (> 70' HEIGHT)	547.11	
50 73 03 00-0039	EA	CROWN REDUCTION, TREE (31-36" DIAMETER) MULBERRY, EUCALYPTUS, PINE, FICUS, ASH AND ELM	820.69	
50 73 03 00-0040	EA	CROWN REDUCTION, TREE (37-42" DIAMETER) (< 70' HEIGHT)	468.96	
50 73 03 00-0041	EA	CROWN REDUCTION, TREE (37-42" DIAMETER) (> 70' HEIGHT)	656.54	
50 73 03 00-0042	EA	CROWN REDUCTION, TREE (37-42" DIAMETER)MULBERRY, EUCALYPTUS, PINE, FICUS, ASH AND ELM	937.92	
50 73 03 00-0043	EA	CROWN REDUCTION, TREE (43"+ DIAMETER) (< 70' HEIGHT)	547.11	
50 73 03 00-0044	EA	CROWN REDUCTION, TREE (43"+ DIAMETER) (> 70' HEIGHT)	656.54	
50 73 03 00-0045	EA	CROWN REDUCTION, TREE (43"+ DIAMETER)MULBERRY, EUCALYPTUS, PINE, FICUS, ASH AND ELM	1,094.25	
50 73 03 00-0046	EA	CROWN REDUCTION W/ROOT PRUNING, TREE (1-12" DIAMETER)	547.11	
50 73 03 00-0047	EA	CROWN REDUCTION W/ROOT PRUNING, TREE (13-24" DIAMETER) (= 70' HEIGHT)	656.54	
50 73 03 00-0048	EA	CROWN REDUCTION W/ROOT PRUNING, TREE (13-24" DIAMETER) (> 70' HEIGHT)	820.69	
50 73 03 00-0049	EA	CROWN REDUCTION W/ROOT PRUNING, TREE (13-24" DIAMETER) MULBERRY, EUCALYPTUS, PINE, FICUS, ASH AND ELM	1,313.10	
50 73 03 00-0050	EA	CROWN REDUCTION W/ROOT PRUNING, TREE (25-30" DIAMETER) (= 70' HEIGHT)	729.49	
50 73 03 00-0051	EA	CROWN REDUCTION W/ROOT PRUNING, TREE (25-30" DIAMETER) (> 70' HEIGHT)	937.92	
50 73 03 00-0052	EA	CROWN REDUCTION W/ROOT PRUNING, TREE (25-30" DIAMETER) MULBERRY, EUCALYPTUS, PINE, FICUS, ASH AND ELM	1,459.00	
50 73 03 00-0053	EA	CROWN REDUCTION W/ROOT PRUNING, TREE (31-36" DIAMETER) (= 70' HEIGHT)	820.69	
50 73 03 00-0054	EA	CROWN REDUCTION W/ROOT PRUNING, TREE (31-36" DIAMETER) (> 70' HEIGHT)	1,094.25	
50 73 03 00-0055	EA	CROWN REDUCTION W/ROOT PRUNING, TREE (31-36" DIAMETER) MULBERRY, EUCALYPTUS, PINE, FICUS, ASH AND ELM	1,641.37	
50 73 03 00-0056	EA	CROWN REDUCTION W/ROOT PRUNING, TREE (37-42" DIAMETER) (= 70' HEIGHT)	937.92	
50 73 03 00-0057	EA	CROWN REDUCTION W/ROOT PRUNING, TREE (37-42" DIAMETER) (> 70' HEIGHT)	1,313.10	
50 73 03 00-0058	EA	CROWN REDUCTION W/ROOT PRUNING, TREE (37-42" DIAMETER) MULBERRY, EUCALYPTUS, PINE, FICUS, ASH AND ELM	1,875.85	
50 73 03 00-0059	EA	CROWN REDUCTION W/ROOT PRUNING, TREE (43"+ DIAMETER) (= 70' HEIGHT)	1,094.25	
50 73 03 00-0060	EA	CROWN REDUCTION W/ROOT PRUNING, TREE (43"+ DIAMETER) (> 70' HEIGHT)	1,313.10	
50 73 03 00-0061	EA	CROWN REDUCTION W/ROOT PRUNING, TREE (43"+ DIAMETER) MULBERRY, EUCALYPTUS, PINE, FICUS, ASH AND ELM	2,188.48	
50 73 03 00-0062	EA	CROWN THIN, CLEAN AND SHAPE, TREE (1-12" DIAMETER)	202.83	
50 73 03 00-0063	EA	CROWN THIN, CLEAN AND SHAPE, TREE (13-24" DIAMETER) (= 70' HEIGHT)	205.17	
50 73 03 00-0064	EA	CROWN THIN, CLEAN AND SHAPE, TREE (13-24" DIAMETER) (> 70' HEIGHT)	234.48	
50 73 03 00-0065	EA	CROWN THIN, CLEAN AND SHAPE, TREE (13-24" DIAMETER) MULBERRY, EUCALYPTUS, PINE, FICUS, ASH AND ELM	410.34	
50 73 03 00-0066	EA	CROWN THIN, CLEAN AND SHAPE, TREE (25"+ DIAMETER) (= 70' HEIGHT)	298.44	
50 73 03 00-0067	EA	CROWN THIN, CLEAN AND SHAPE, TREE (25"+ DIAMETER) (> 70' HEIGHT)	364.75	
50 73 03 00-0068	EA	CROWN THIN, CLEAN AND SHAPE, TREE (25"+ DIAMETER) MULBERRY, EUCALYPTUS, PINE, FICUS, ASH AND ELM	547.11	
50 73 03 00-0069	EA	TRIM AND SKIN PALM TREE (1-30' HEIGHT)	218.84	
50 73 03 00-0070	EA	TRIM AND SKIN PALM TREE (31-60' HEIGHT)	273.56	
50 73 03 00-0071	EA	TRIM AND SKIN PALM TREE (61'+ HEIGHT)	328.27	
50 73 03 00-0072	EA	TRIM ONLY PALM TREE (1-30' HEIGHT)	205.17	
50 73 03 00-0073	EA	TRIM ONLY PALM TREE (31-60' HEIGHT)	273.56	
50 73 03 00-0074	EA	TRIM ONLY PALM TREE (61' + HEIGHT)	328.27	
50 73 03 00-0075	LF	SKIN ONLY PALM TREE	32.46	

50 73 03 00-0076 Tree Removal *(50 73 03)*

50 73 03 00-0077	EA	STUMP REMOVAL ONLY (1-6" DIAMETER)	221.76	
50 73 03 00-0078	EA	STUMP REMOVAL ONLY (6"-12" DIAMETER)	318.88	
50 73 03 00-0079	EA	STUMP REMOVAL ONLY (13-24" DIAMETER)	425.17	
50 73 03 00-0080	EA	STUMP REMOVAL ONLY (25"+ DIAMETER)	510.21	
50 73 03 00-0081	EA	TREE REMOVAL (1-12" DIAMETER)	504.41	
50 73 03 00-0082	EA	TREE REMOVAL (13-24" DIAMETER)	1,086.41	
50 73 03 00-0083	EA	TREE REMOVAL (25-30" DIAMETER)	1,283.95	
50 73 03 00-0084	EA	TREE REMOVAL (31" To 36" DIAMETER)	1,765.42	
50 73 03 00-0085	EA	TREE REMOVAL (37" To 42" DIAMETER)	2,172.82	
50 73 03 00-0086	EA	TREE REMOVAL (43"+ DIAMETER)	2,567.88	
50 73 03 00-0087	EA	REMOVE PALM TREE (1-30' HEIGHT)	882.71	
50 73 03 00-0088	EA	REMOVE PALM TREE (31-60' HEIGHT)	1,765.42	
50 73 03 00-0089	EA	REMOVE PALM TREE (61'+ HEIGHT)	2,353.90	

50 73 03 01 SECTION 301 - Subgrade Preparation, Treated Materials And Placement Of Base Materials *(50 73)*

50 73 03 01-0001 Subgrade Preparation, Treated Materials And Placement Of Base Materials *(50 73 03 01)*

50 73 03 01-0002	LF	SHOULDER GRADING (0-100)	0.21	
50 73 03 01-0003	LF	SHOULDER GRADING (101-500)	0.11	
50 73 03 01-0004	LF	SHOULDER GRADING (501-5280)	0.06	
50 73 03 01-0005	MI	SHOULDER GRADING (1-4)	13,437.32	
50 73 03 01-0006	MI	SHOULDER GRADING (5-10)	6,718.66	
50 73 03 01-0007	MI	SHOULDER GRADING (11+)	3,359.33	
50 73 03 01-0008	CY	CRUSHED MISCELLANEOUS BASE (1-25)	81.27	
50 73 03 01-0009	CY	CRUSHED MISCELLANEOUS BASE (26-50)	54.62	
50 73 03 01-0010	CY	CRUSHED MISCELLANEOUS BASE (51-100)	51.42	
50 73 03 01-0011	CY	CRUSHED MISCELLANEOUS BASE (101-250)	49.28	
50 73 03 01-0012	CY	CRUSHED MISCELLANEOUS BASE (251+)	47.77	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 73 03 01-0013	CY	PULVERIZED MISCELLANEOUS BASE (0-10,000)	4.70	
50 73 03 01-0014	CY	PULVERIZED MISCELLANEOUS BASE (10,000+)	3.52	
50 73 03 01-0015	SY	PULVERIZED BASE MATERIAL, 0.1" – 12" THICK (1-25,000)	1.54	
50 73 03 01-0016	SY	PULVERIZED BASE MATERIAL, 0.1" – 12" THICK (25,001+)	1.23	
50 73 03 01-0017	EA	MIX DESIGN FOR SOIL-CEMENT	106.14	
50 73 03 01-0018	SY	SOIL CEMENT, 0.1" – 12" THICK (1-25,000)	21.50	
50 73 03 01-0019	SY	SOIL CEMENT, 0.1" – 12" THICK (25000)	19.96	
50 73 03 01-0020	TON	PORTLAND CEMENT FOR CSPB/SOIL-CEMENT (1-500)	388.92	
50 73 03 01-0021	TON	PORTLAND CEMENT FOR CSPB/SOIL-CEMENT (501-1,000)	353.84	
50 73 03 01-0022	TON	PORTLAND CEMENT FOR CSPB/SOIL-CEMENT (1,001+)	345.29	
50 73 03 01-0023	TON	PORTLAND CEMENT FOR CIRACP/CCPRACP	337.15	
50 73 03 01-0024	EA	MIX DESIGN FOR CSPB	106.14	
50 73 03 01-0025	SY	CEMENT-STABILIZED PULVERIZED BASE, 0.1" – 12" THICK (1-25,000)	25.93	
50 73 03 01-0026	SY	CEMENT-STABILIZED PULVERIZED BASE, 0.1" – 12" THICK (25,001+)	23.45	

50 73 03 02 SECTION 302 - Roadway Surfacing *(50 73)*

50 73 03 02-0001 Roadway Surfacing *(50 73 03 02)*

50 73 03 02-0002	EA	CONCRETE VEGETATION CONTROL (PER CALTRANS STD PLAN A77N5) (1-10)	91.20	
50 73 03 02-0003	EA	CONCRETE VEGETATION CONTROL (PER CALTRANS STD PLAN A77N5) (11-25)	77.37	
50 73 03 02-0004	EA	CONCRETE VEGETATION CONTROL (PER CALTRANS STD PLAN A77N5) (26+)	67.46	
50 73 03 02-0005	GAL	PRIME/TACK COAT FOR CSPB (1-3,000)	16.06	
50 73 03 02-0006	GAL	PRIME/TACK COAT FOR CSPB (3,001+)	15.18	
50 73 03 02-0007	SY	PME CHIP SEAL (25,000 – 50,000)	3.24	
50 73 03 02-0008	SY	PME CHIP SEAL (50,001 – 100,000)	3.05	
50 73 03 02-0009	SY	PME CHIP SEAL (100,001+)	2.90	
50 73 03 02-0010	SY	PMRE CHIP SEAL (25,000 – 50,000)	3.24	
50 73 03 02-0011	SY	PMRE CHIP SEAL (50,001 – 100,000)	3.05	
50 73 03 02-0012	SY	PMRE CHIP SEAL (100,001+)	2.90	
50 73 03 02-0013	SY	SCRUB SEAL (25,000 – 50,000)	3.72	
50 73 03 02-0014	SY	FLUSH COAT (25000+)	2.70	
50 73 03 02-0015	TON	MICROSURFACING (TYPE II) (101-500)	357.37	
50 73 03 02-0016	TON	MICROSURFACING (TYPE II) (501-800)	237.88	
50 73 03 02-0017	TON	MICROSURFACING (TYPE II) (801+)	207.99	
50 73 03 02-0018	TON	MICROSURFACING (TYPE III) (101-500)	349.98	
50 73 03 02-0019	TON	MICROSURFACING (TYPE III) (501-800)	225.50	
50 73 03 02-0020	TON	MICROSURFACING (TYPE III) (801+)	194.38	
50 73 03 02-0021	LB	RAP MICROSURFACING (TYPE II) (1-2,000)	0.44	
50 73 03 02-0022	LB	RAP MICROSURFACING (TYPE II) (2,001+)	0.27	
50 73 03 02-0023	TON	RAP MICROSURFACING (TYPE II) (101-500)	437.23	
50 73 03 02-0024	TON	RAP MICROSURFACING (TYPE III) (101-500)	430.85	
50 73 03 02-0025	TON	RAP MICROSURFACING (TYPE III) (501-800)	406.84	
50 73 03 02-0026	TON	RAP MICROSURFACING (TYPE III) (801+)	386.62	
50 73 03 02-0027	TON	PME-RAP AGGREGATE SLURRY SEAL (0-200)	480.94	
50 73 03 02-0028	TON	PME-RAP AGGREGATE SLURRY SEAL (200+)	368.91	
50 73 03 02-0029	TON	RAP-PME SLURRY SEAL SURFACING (101-500)	430.57	
50 73 03 02-0030	TON	RAP-PME SLURRY SEAL SURFACING (501-800)	402.81	
50 73 03 02-0031	TON	RAP-PME SLURRY SEAL SURFACING (801+)	380.35	
50 73 03 02-0032	SY	RAP SCRUB SEAL (25,000 – 50,000)	6.13	
50 73 03 02-0033	SY	RAP SCRUB SEAL (50,001 – 100,000)	5.87	
50 73 03 02-0034	SY	RAP SCRUB SEAL (100,001+)	5.65	
50 73 03 02-0035	TON	PME SLURRY SEAL SURFACING (TYPE I) (101-500)	401.38	
50 73 03 02-0036	TON	PME SLURRY SEAL SURFACING (TYPE I) (501-800)	369.37	
50 73 03 02-0037	TON	PME SLURRY SEAL SURFACING (TYPE I) (801+)	344.47	
50 73 03 02-0038	TON	PME SLURRY SEAL SURFACING (TYPE II) (101-500)	401.38	
50 73 03 02-0039	TON	PME SLURRY SEAL SURFACING (TYPE II) (501-800)	381.16	
50 73 03 02-0040	TON	PME SLURRY SEAL SURFACING (TYPE II) (801+)	353.74	
50 73 03 02-0041	LF	AC CURB, TYPE D1-6, D1-8, OR D1-VAR	27.12	
50 73 03 02-0042	LF	AC DIKE (TYPE A PER CALTRANS STD PLAN A87B) (10-50)	12.80	
50 73 03 02-0043	LF	AC DIKE (TYPE A PER CALTRANS STD PLAN A87B) (51-100)	11.74	
50 73 03 02-0044	LF	AC DIKE (TYPE A PER CALTRANS STD PLAN A87B) (101+)	10.90	
50 73 03 02-0045	LF	AC DIKE (TYPE C PER CALTRANS STD PLAN A87B) (10-50)	8.53	
50 73 03 02-0046	LF	AC DIKE (TYPE C PER CALTRANS STD PLAN A87B) (51-100)	7.84	
50 73 03 02-0047	LF	AC DIKE (TYPE C PER CALTRANS STD PLAN A87B) (101+)	7.27	
50 73 03 02-0048	LF	AC DIKE (TYPE F PER CALTRANS STD PLAN A87B) (10-50)	14.28	
50 73 03 02-0049	LF	AC DIKE (TYPE F PER CALTRANS STD PLAN A87B) (51-100)	12.47	
50 73 03 02-0050	LF	AC DIKE (TYPE F PER CALTRANS STD PLAN A87B) (101+)	11.11	
50 73 03 02-0051	TON	AC PAVEMENT (1-5)	543.27	
50 73 03 02-0052	TON	AC PAVEMENT (6-10)	348.91	
50 73 03 02-0053	TON	AC PAVEMENT (11+)	278.94	
50 73 03 02-0054	TON	AC PAVEMENT(PATCH BACK) (1-10)	543.27	
50 73 03 02-0055	TON	AC PAVEMENT(PATCH BACK) (11-50)	413.69	
50 73 03 02-0056	TON	AC PAVEMENT (PATCH BACK) (51-100)	295.90	
50 73 03 02-0057	TON	AC PAVEMENT (PATCH BACK) (101+)	278.94	
50 73 03 02-0058	TON	AC PAVEMENT (DRIVEWAYS) (1-20)	348.91	
50 73 03 02-0059	TON	AC PAVEMENT (DRIVEWAYS) (21-50)	318.22	
50 73 03 02-0060	TON	AC PAVEMENT (DRIVEWAYS) (51-100)	295.90	
50 73 03 02-0061	TON	AC PAVEMENT (DRIVEWAYS) (101+)	278.94	
50 73 03 02-0062	TON	AC PAVEMENT (INVERTED SHOULDERS) (1-10)	543.27	
50 73 03 02-0063	TON	AC PAVEMENT (INVERTED SHOULDERS) (11-50)	413.69	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 73 03 02-0064	TON	AC PAVEMENT (INVERTED SHOULDERS) (51-100)	295.90	
50 73 03 02-0065	TON	AC PAVEMENT (INVERTED SHOULDERS) (101+)	258.19	
50 73 03 02-0066	TON	AC PAVEMENT (V DITCH) (1-5)	932.01	
50 73 03 02-0067	TON	AC PAVEMENT (V DITCH) (6-10)	672.86	
50 73 03 02-0068	TON	AC PAVEMENT (V DITCH) (11+)	437.26	
50 73 03 02-0069	TON	AC PAVEMENT (DIGOUTS) (1-100)	315.74	
50 73 03 02-0070	TON	AC PAVEMENT (DIGOUTS) (101-200)	275.45	
50 73 03 02-0071	TON	AC PAVEMENT (DIGOUTS) (201-300)	251.27	
50 73 03 02-0072	TON	AC PAVEMENT (DIGOUTS) (301+)	235.14	
50 73 03 02-0073	TON	AC PAVEMENT (LEVELING COURSE) (1-300)	242.29	
50 73 03 02-0074	TON	AC PAVEMENT (LEVELING COURSE) (301-500)	218.35	
50 73 03 02-0075	TON	AC PAVEMENT (LEVELING COURSE) (500-1,000)	204.67	
50 73 03 02-0076	TON	AC PAVEMENT (LEVELING COURSE) (1,001+)	182.62	
50 73 03 02-0077	TON	AC PAVEMENT (RESURFACING) (1-500)	236.20	
50 73 03 02-0078	TON	AC PAVEMENT (RESURFACING) (501-1,000)	213.92	
50 73 03 02-0079	TON	AC PAVEMENT (RESURFACING) (1,001-2,000)	201.20	
50 73 03 02-0080	TON	AC PAVEMENT (RESURFACING) (2,001+)	180.67	
50 73 03 02-0081	CY	PCC PAVEMENT (1-100)	908.79	
50 73 03 02-0082	CY	PCC PAVEMENT (101-200)	791.76	
50 73 03 02-0083	CY	PCC PAVEMENT (201-300)	746.74	
50 73 03 02-0084	CY	PCC PAVEMENT (301+)	674.72	
50 73 03 02-0085	TON	ASPHALT RUBBER HOT MIX (501-1200)	228.53	
50 73 03 02-0086	TON	ASPHALT RUBBER HOT MIX (1,201-1,800)	208.78	
50 73 03 02-0087	TON	ASPHALT RUBBER HOT MIX (1,801-2,400)	190.52	
50 73 03 02-0088	TON	ASPHALT RUBBER HOT MIX (2,401+)	187.07	
50 73 03 02-0089	TON	ASPHALT RUBBER HOT MIX (TEST STRIP) (500)	228.53	
50 73 03 02-0090	SY	ASPHALT RUBBER & AGGREGATE MEMBRANE (ARAM) (10,000-20,000)	8.50	
50 73 03 02-0091	SY	ASPHALT RUBBER & AGGREGATE MEMBRANE (ARAM) (20,001-35,000)	8.14	
50 73 03 02-0092	SY	ASPHALT RUBBER & AGGREGATE MEMBRANE (ARAM) (35,001+)	7.41	
50 73 03 02-0093	TON	POLYMER MODIFIED ASPHALT CONCRETE (501-1200)	228.53	
50 73 03 02-0094	TON	POLYMER MODIFIED ASPHALT CONCRETE (1,201-1,800)	222.61	
50 73 03 02-0095	TON	POLYMER MODIFIED ASPHALT CONCRETE (1,801- 2,400)	218.17	
50 73 03 02-0096	TON	POLYMER MODIFIED ASPHALT CONCRETE (2,401+)	214.72	
50 73 03 02-0097	TON	POLYMER MODIFIED ASPHALT CONCRETE (TEST STRIP) (500)	228.53	

50 73 03 03 SECTION 303 - Concrete And Masonry Construction *(50 73)*

50 73 03 03-0001 Concrete And Masonry Construction *(50 73 03 03)*

50 73 03 03-0002	CY	STRUCTURE CONCRETE (1-5)	2,230.76	
50 73 03 03-0003	CY	STRUCTURE CONCRETE (6-10)	1,770.41	
50 73 03 03-0004	CY	STRUCTURE CONCRETE (11+)	951.18	

50 73 03 04 SECTION 304 - Metal Fabrication And Construction *(50 73)*

50 73 03 04-0001 Metal Fabrication And Construction *(50 73 03 04)*

50 73 03 04-0002	LF	METAL HAND RAILINGS PER STD PLAN 606, TYPE A	207.04	
50 73 03 04-0003	LF	METAL HAND RAILINGS PER STD PLAN 606, TYPE C	288.37	
50 73 03 04-0004	LF	CHAIN LINK FENCE, 4' HIGH	73.01	
50 73 03 04-0005	LF	CHAIN LINK FENCE, 5' HIGH	80.32	
50 73 03 04-0006	LF	CHAIN LINK FENCE, 6' HIGH	87.71	

50 73 03 06 SECTION 306 - Open Trench Conduit Construction *(50 73)*

50 73 03 06-0001 Open Trench Conduit Construction *(50 73 03 06)*

50 73 03 06-0002	EA	EXPLORATORY EXCAVATION FOR UNDERGROUND UTILITY < 3' IN DEPTH	991.32	
50 73 03 06-0003	EA	EXPLORATORY EXCAVATION FOR UNDERGROUND UTILITY 3' – 5' IN DEPTH	1,486.97	
50 73 03 06-0004	LF	REMOVE ABANDONED UNDERGROUND UTILITY UP TO 24" DEEP (1/4" TO 6" DIAMETER)	51.81	

50 73 03 14 SECTION 314 - Traffic Striping, Curb And Pavement Markings, And Pavement Markers *(50 73)*

50 73 03 14-0001 Traffic Striping, Curb And Pavement Markings, And Pavement Markers *(50 73 03 14)*

50 73 03 14-0002	SF	REMOVE PAVEMENT MARKINGS (PAINT)	3.89	
50 73 03 14-0003	LF	REMOVE 4" – 8" STRIPING (PAINT)	2.34	
50 73 03 14-0004	LF	REMOVE 12" STRIPING (PAINT)	5.76	
50 73 03 14-0005	LF	REMOVE 24" STRIPING (PAINT)	7.79	
50 73 03 14-0006	SF	REMOVE PAVEMENT MARKINGS (THERMOPLASTIC)	4.64	
50 73 03 14-0007	LF	REMOVE 4" – 8" STRIPING (THERMOPLASTIC)	2.90	
50 73 03 14-0008	LF	REMOVE 12" STRIPING (THERMOPLASTIC)	6.56	
50 73 03 14-0009	LF	REMOVE 24" STRIPING (THERMOPLASTIC)	9.28	
50 73 03 14-0010	LF	REMOVE DETAIL 1 (PAINT)	2.50	
50 73 03 14-0011	LF	REMOVE DETAIL 12 (PAINT)	1.60	
50 73 03 14-0012	LF	REMOVE DETAIL 21 (PAINT)	2.50	
50 73 03 14-0013	LF	REMOVE DETAIL 25 (PAINT)	3.08	
50 73 03 14-0014	LF	REMOVE DETAIL 38A (PAINT)	1.88	
50 73 03 14-0015	LF	REMOVE DETAIL 27B (PAINT)	2.50	
50 73 03 14-0016	LF	REMOVE DETAIL 8 (THERMOPLASTIC)	1.76	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 73 03 14-0017	LF	REMOVE DETAIL 9 (THERMOPLASTIC)	1.97	
50 73 03 14-0018	LF	REMOVE DETAIL 12 (THERMOPLASTIC)	1.88	
50 73 03 14-0019	LF	REMOVE DETAIL 16 (THERMOPLASTIC)	2.95	
50 73 03 14-0020	LF	REMOVE DETAIL 22 (THERMOPLASTIC)	2.50	
50 73 03 14-0021	LF	REMOVE DETAIL 27B (THERMOPLASTIC)	3.68	
50 73 03 14-0022	LF	REMOVE DETAIL 29 (THERMOPLASTIC)	2.50	
50 73 03 14-0023	LF	REMOVE DETAIL 32 (THERMOPLASTIC)	2.50	
50 73 03 14-0024	LF	REMOVE DETAIL 38 (THERMOPLASTIC)	2.50	
50 73 03 14-0025	SF	PAVEMENT MARKINGS (TWO-COAT PAINT)	4.91	
50 73 03 14-0026	SF	PAVEMENT MARKINGS (THERMOPLASTIC)	8.55	
50 73 03 14-0027	LF	4" STRIPING (TWO-COAT PAINT)	1.20	
50 73 03 14-0028	LF	6" STRIPING (TWO-COAT PAINT)	1.49	
50 73 03 14-0029	LF	8" STRIPING (TWO-COAT PAINT)	1.78	
50 73 03 14-0030	LF	12" STRIPING (TWO-COAT PAINT)	2.35	
50 73 03 14-0031	LF	24" STRIPING (TWO-COAT PAINT)	5.35	
50 73 03 14-0032	LF	4" STRIPING (THERMOPLASTIC)	2.64	
50 73 03 14-0033	LF	6" STRIPING (THERMOPLASTIC)	3.31	
50 73 03 14-0034	LF	8" STRIPING (THERMOPLASTIC)	3.99	
50 73 03 14-0035	LF	12" STRIPING (THERMOPLASTIC)	5.29	
50 73 03 14-0036	LF	24" STRIPING (THERMOPLASTIC)	8.15	
50 73 03 14-0037	LF	CURB MARKINGS (ONE-COAT PAINT)	4.26	
50 73 03 14-0038	LF	DETAIL 1 (TWO-COAT PAINT)	2.11	
50 73 03 14-0039	LF	DETAIL 2 (TWO-COAT PAINT)	2.56	
50 73 03 14-0040	LF	DETAIL 5 (TWO-COAT PAINT)	1.58	
50 73 03 14-0041	LF	DETAIL 6 (TWO-COAT PAINT)	1.58	
50 73 03 14-0042	LF	DETAIL 8 (TWO-COAT PAINT)	1.58	
50 73 03 14-0043	LF	DETAIL 9 (TWO-COAT PAINT)	2.11	
50 73 03 14-0044	LF	DETAIL 11 (TWO-COAT PAINT)	1.58	
50 73 03 14-0045	LF	DETAIL 12 (TWO-COAT PAINT)	1.58	
50 73 03 14-0046	LF	DETAIL 19 (TWO-COAT PAINT)	1.34	
50 73 03 14-0047	LF	DETAIL 21 (TWO-COAT PAINT)	2.11	
50 73 03 14-0048	LF	DETAIL 22 (TWO-COAT PAINT)	2.83	
50 73 03 14-0049	LF	DETAIL 24 (TWO-COAT PAINT)	1.08	
50 73 03 14-0050	LF	DETAIL 25 (TWO-COAT PAINT)	1.58	
50 73 03 14-0051	LF	DETAIL 26 (TWO-COAT PAINT)	1.58	
50 73 03 14-0052	LF	DETAIL 27 (TWO-COAT PAINT)	1.58	
50 73 03 14-0053	LF	DETAIL 27B (TWO-COAT PAINT)	1.58	
50 73 03 14-0054	LF	DETAIL 27C (TWO-COAT PAINT)	1.58	
50 73 03 14-0055	LF	DETAIL 28 (TWO-COAT PAINT)	2.11	
50 73 03 14-0056	LF	DETAIL 29 (TWO-COAT PAINT)	2.83	
50 73 03 14-0057	LF	DETAIL 31 (TWO-COAT PAINT)	2.11	
50 73 03 14-0058	LF	DETAIL 32 (TWO-COAT PAINT)	2.11	
50 73 03 14-0059	LF	DETAIL 37B (TWO-COAT PAINT)	1.58	
50 73 03 14-0060	LF	DETAIL 38 (TWO-COAT PAINT)	2.11	
50 73 03 14-0061	LF	DETAIL 38A (TWO-COAT PAINT)	1.58	
50 73 03 14-0062	LF	DETAIL 38B (TWO-COAT PAINT)	2.83	
50 73 03 14-0063	LF	DETAIL 39 (TWO-COAT PAINT)	2.11	
50 73 03 14-0064	LF	DETAIL 39A (TWO-COAT PAINT)	1.34	
50 73 03 14-0065	LF	DETAIL 40 (TWO-COAT PAINT)	1.34	
50 73 03 14-0066	LF	DETAIL 40A (TWO-COAT PAINT)	2.11	
50 73 03 14-0067	LF	DETAIL 41 (TWO-COAT PAINT)	2.20	
50 73 03 14-0068	LF	DETAIL 1 (THERMOPLASTIC)	1.67	
50 73 03 14-0069	LF	DETAIL 2 (THERMOPLASTIC)	2.20	
50 73 03 14-0070	LF	DETAIL 5 (THERMOPLASTIC)	1.43	
50 73 03 14-0071	LF	DETAIL 6 (THERMOPLASTIC)	1.43	
50 73 03 14-0072	LF	DETAIL 8 (THERMOPLASTIC)	2.20	
50 73 03 14-0073	LF	DETAIL 9 (THERMOPLASTIC)	2.20	
50 73 03 14-0074	LF	DETAIL 11 (THERMOPLASTIC)	1.18	
50 73 03 14-0075	LF	DETAIL 12 (THERMOPLASTIC)	1.18	
50 73 03 14-0076	LF	DETAIL 19 (THERMOPLASTIC)	3.34	
50 73 03 14-0077	LF	DETAIL 21 (THERMOPLASTIC)	3.83	
50 73 03 14-0078	LF	DETAIL 22 (THERMOPLASTIC)	3.02	
50 73 03 14-0079	LF	DETAIL 24 (THERMOPLASTIC)	1.67	
50 73 03 14-0080	LF	DETAIL 25 (THERMOPLASTIC)	2.20	
50 73 03 14-0081	LF	DETAIL 26 (THERMOPLASTIC)	2.69	
50 73 03 14-0082	LF	DETAIL 27 (THERMOPLASTIC)	3.02	
50 73 03 14-0083	LF	DETAIL 27B (THERMOPLASTIC)	1.33	
50 73 03 14-0084	LF	DETAIL 27C (THERMOPLASTIC)	1.66	
50 73 03 14-0085	LF	DETAIL 28 (THERMOPLASTIC)	4.54	
50 73 03 14-0086	LF	DETAIL 29 (THERMOPLASTIC)	5.34	
50 73 03 14-0087	LF	DETAIL 31 (THERMOPLASTIC)	2.21	
50 73 03 14-0088	LF	DETAIL 32 (THERMOPLASTIC)	4.54	
50 73 03 14-0089	LF	DETAIL 37B (THERMOPLASTIC)	2.69	
50 73 03 14-0090	LF	DETAIL 38 (THERMOPLASTIC)	3.02	
50 73 03 14-0091	LF	DETAIL 38A (THERMOPLASTIC)	2.20	
50 73 03 14-0092	LF	DETAIL 38B (THERMOPLASTIC)	2.69	
50 73 03 14-0093	LF	DETAIL 39 (THERMOPLASTIC)	1.67	
50 73 03 14-0094	LF	DETAIL 39A (THERMOPLASTIC)	1.33	
50 73 03 14-0095	LF	DETAIL 40 (THERMOPLASTIC)	3.02	
50 73 03 14-0096	LF	DETAIL 40A (THERMOPLASTIC)	4.51	
50 73 03 14-0097	LF	DETAIL 41 (THERMOPLASTIC)	7.78	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 73 03 14-0098	EA	PAVEMENT MARKERS (REFLECTIVE-RECESSED)	11.65	
50 73 03 14-0099	EA	INSTALL FIRE HYDRANT LOCATION RPM	11.65	

50 74 EXISTING IMPROVEMENTS *(50 70)*

50 74 04 SECTION 400 - Protection and Restoration *(50 74)*

50 74 04 00-0001 Protection and Restoration *(50 74 04)*

50 74 04 00-0002	LF	CRACK SEALING (301-400)	3.33
50 74 04 00-0003	LF	CRACK SEALING (401+)	3.16
50 74 04 00-0004	LF	CRACK SEALING (1-2,000)	2.95
50 74 04 00-0005	LF	CRACK SEALING (2,001+)	2.85

50 74 04 01 SECTION 401 - Concrete and Masonry Improvements and Removal *(50 74)*

50 74 04 01-0001 Removal *(50 74 04 01)*

50 74 04 01-0002	CY	CONCRETE REMOVAL (NON-REINFORCED) (1-25)	220.36
50 74 04 01-0003	CY	CONCRETE REMOVAL (NON-REINFORCED) (26-100)	118.31
50 74 04 01-0004	CY	CONCRETE REMOVAL (NON-REINFORCED) (101-250)	67.29
50 74 04 01-0005	CY	CONCRETE REMOVAL (NON-REINFORCED) (251+)	50.28
50 74 04 01-0006	CY	CONCRETE REMOVAL (REINFORCED) (1-25)	243.04
50 74 04 01-0007	CY	CONCRETE REMOVAL (REINFORCED) (26-100)	129.65
50 74 04 01-0008	CY	CONCRETE REMOVAL (REINFORCED) (101-250)	72.97
50 74 04 01-0009	CY	CONCRETE REMOVAL (REINFORCED) (251+)	54.07
50 74 04 01-0010	SF	GRIND PCC PAVEMENT (0 – 1-1/2")	6.95
50 74 04 01-0011	SF	GRIND PCC PAVEMENT (> 1-1/2" – 3")	9.28

50 74 04 01-0012 Concrete and Masonry Improvements *(50 74 04 01)*

50 74 04 01-0013	LF	PCC CURB, TYPE A1-6 (1-50)	38.52
50 74 04 01-0014	LF	PCC CURB, TYPE A1-6 (51-100)	28.60
50 74 04 01-0015	LF	PCC CURB, TYPE A1-6 (101-250)	23.65
50 74 04 01-0016	LF	PCC CURB, TYPE A1-6 (251-500)	20.68
50 74 04 01-0017	LF	PCC CURB, TYPE A1-6 (501+)	18.70
50 74 04 01-0018	LF	PCC CURB, TYPE A1-8 (1-50)	45.36
50 74 04 01-0019	LF	PCC CURB, TYPE A1-8 (51-100)	35.44
50 74 04 01-0020	LF	PCC CURB, TYPE A1-8 (101-250)	30.49
50 74 04 01-0021	LF	PCC CURB, TYPE A1-8 (251-500)	27.52
50 74 04 01-0022	LF	PCC CURB, TYPE A1-8 (501+)	25.54
50 74 04 01-0023	LF	PCC CURB, TYPE A1-VAR (1-50)	45.36
50 74 04 01-0024	LF	PCC CURB, TYPE A1-VAR (51+)	35.44
50 74 04 01-0025	LF	PCC CURB AND GUTTER, TYPE A2-6 (1-50)	47.29
50 74 04 01-0026	LF	PCC CURB AND GUTTER, TYPE A2-6 (51-100)	37.37
50 74 04 01-0027	LF	PCC CURB AND GUTTER, TYPE A2-6 H323 (101-250)	32.42
50 74 04 01-0028	LF	PCC CURB AND GUTTER, TYPE A2-6 (251-500)	29.45
50 74 04 01-0029	LF	PCC CURB AND GUTTER, TYPE A2-6 (501+)	27.47
50 74 04 01-0030	LF	PCC CURB AND GUTTER, TYPE A2-8 (1-50)	60.96
50 74 04 01-0031	LF	PCC CURB AND GUTTER, TYPE A2-8 (51-100)	51.04
50 74 04 01-0032	LF	PCC CURB AND GUTTER, TYPE A2-8 (101-250)	46.09
50 74 04 01-0033	LF	PCC CURB AND GUTTER, TYPE A2-8 (251-500)	43.12
50 74 04 01-0034	LF	PCC CURB AND GUTTER, TYPE A2-8 (501+)	41.14
50 74 04 01-0035	LF	PCC CURB AND GUTTER, TYPE A2-VAR (1-50)	60.96
50 74 04 01-0036	LF	PCC CURB AND GUTTER, TYPE A2-VAR (51+)	51.04
50 74 04 01-0037	LF	PCC CURB AND GUTTER, TYPE A3-6 (1-50)	77.53
50 74 04 01-0038	LF	PCC CURB AND GUTTER, TYPE A3-6 (51-100)	67.61
50 74 04 01-0039	LF	PCC CURB AND GUTTER, TYPE A3-6 (101-250)	62.66
50 74 04 01-0040	LF	PCC CURB AND GUTTER, TYPE A3-6 (251-500)	59.69
50 74 04 01-0041	LF	PCC CURB AND GUTTER, TYPE A3-6 (501+)	57.71
50 74 04 01-0042	LF	PCC CURB AND GUTTER, TYPE A3-8 (1-50)	82.18
50 74 04 01-0043	LF	PCC CURB AND GUTTER, TYPE A3-8 (51-100)	72.26
50 74 04 01-0044	LF	PCC CURB AND GUTTER, TYPE A3-8 (101-250)	67.31
50 74 04 01-0045	LF	PCC CURB AND GUTTER, TYPE A3-8 (251-500)	64.34
50 74 04 01-0046	LF	PCC CURB AND GUTTER, TYPE A3-8 (501+)	62.36
50 74 04 01-0047	LF	PCC CURB AND GUTTER, TYPE A3-VAR (1-50)	82.18
50 74 04 01-0048	LF	PCC CURB AND GUTTER, TYPE A3-VAR (51+)	72.26
50 74 04 01-0049	LF	PCC CURB AND GUTTER (1-25)	60.96
50 74 04 01-0050	LF	PCC CURB AND GUTTER (26-100)	51.04
50 74 04 01-0051	LF	PCC CURB AND GUTTER (101+)	46.09
50 74 04 01-0052	CY	LONGITUDINAL GUTTER (1-4)	454.58
50 74 04 01-0053	CY	LONGITUDINAL GUTTER (5-9)	430.20
50 74 04 01-0054	CY	LONGITUDINAL GUTTER (10+)	417.03
50 74 04 01-0055	SF	PCC WALK AND DRIVES, 4" THICK (1-100)	16.74
50 74 04 01-0056	SF	PCC WALK AND DRIVES, 4" THICK (101-250)	14.33
50 74 04 01-0057	SF	PCC WALK AND DRIVES, 4" THICK (251-500)	12.72
50 74 04 01-0058	SF	PCC WALK AND DRIVES, 4" THICK (501+)	11.57
50 74 04 01-0059	CY	PCC CURB RAMPS (1-9) Note: Includes Detectable Warning Panel	1,129.83
50 74 04 01-0060	CY	PCC CURB RAMPS (10-27) Note: Includes Detectable Warning Panel	928.64

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 74 04 01-0061	CY	PCC CURB RAMPS (28+) Note: Includes Detectable Warning Panel	828.05	
50 74 04 01-0062	SF	PCC WALK AND DRIVES, 6" THICK (1-100)	18.72	
50 74 04 01-0063	SF	PCC WALK AND DRIVES, 6" THICK (101-250)	16.31	
50 74 04 01-0064	SF	PCC WALK AND DRIVES, 6" THICK (251-500)	14.70	
50 74 04 01-0065	SF	PCC WALK AND DRIVES, 6" THICK (501+)	13.55	
50 74 04 01-0066	SF	DETECTABLE WARNING SURFACE	50.30	
50 74 04 01-0067	CY	CROSS GUTTER (1-9)	601.18	
50 74 04 01-0068	CY	CROSS GUTTER (10-27)	522.58	
50 74 04 01-0069	CY	CROSS GUTTER (28+)	478.36	
50 74 04 01-0070	CY	ALLEY INTERSECTION (1-9)	601.18	
50 74 04 01-0071	CY	ALLEY INTERSECTION (10+)	522.58	

50 74 04 02 SECTION 402 - Utilities *(50 74)*

50 74 04 02-0001 Utilities *(50 74 04 02)*

50 74 04 02-0002 Concrete Utility Pipe *(50 74 04 02-0001)*

50 74 04 02-0003	LF	12" REINFORCED CONCRETE PIPE Note: Includes 0.37 CY of excavated material per LF of pipe.	67.31	
		For >1,000, Deduct	*-3.37*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 74 04 02-0004	LF	15" REINFORCED CONCRETE PIPE Note: Includes 0.53 CY of excavated material per LF of pipe.	83.48	
		For >1,000, Deduct	*-4.17*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 74 04 02-0005	LF	18" REINFORCED CONCRETE PIPE Note: Includes 0.64 CY of excavated material per LF of pipe.	95.95	
		For >1,000, Deduct	*-4.80*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 74 04 02-0006	LF	21" REINFORCED CONCRETE PIPE Note: Includes 0.80 CY of excavated material per LF of pipe.	123.25	
		For >1,000, Deduct	*-6.16*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 74 04 02-0007	LF	24" REINFORCED CONCRETE PIPE Note: Includes 0.89 CY of excavated material per LF of pipe.	142.70	
		For >1,000, Deduct	*-7.14*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 74 04 02-0008	LF	27" REINFORCED CONCRETE PIPE Note: Includes 0.98 CY of excavated material per LF of pipe.	175.66	
		For >1,000, Deduct	*-8.78*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 74 04 02-0009	LF	30" REINFORCED CONCRETE PIPE Note: Includes 1.08 CY of excavated material per LF of pipe.	187.73	
		For >1,000, Deduct	*-9.39*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 74 04 02-0010	LF	33" REINFORCED CONCRETE PIPE Note: Includes 1.19 CY of excavated material per LF of pipe.	209.16	
		For >1,000, Deduct	*-10.46*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 74 04 02-0011	LF	36" REINFORCED CONCRETE PIPE Note: Includes 1.30 CY of excavated material per LF of pipe.	230.40	
		For >1,000, Deduct	*-11.52*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 74 04 02-0012	LF	42" REINFORCED CONCRETE PIPE Note: Includes 1.53 CY of excavated material per LF of pipe.	295.11	
		For >1,000, Deduct	*-14.76*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 74 04 02-0013	LF	48" REINFORCED CONCRETE PIPE Note: Includes 1.78 CY of excavated material per LF of pipe.	353.06	
		For >1,000, Deduct	*-17.65*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 74 04 02-0014	LF	21" REINFORCED CONCRETE PIPE (CLASS III) Note: Includes 0.80 CY of excavated material per LF of pipe.	123.76	
		For >1,000, Deduct	*-6.19*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 74 04 02-0015	LF	24" REINFORCED CONCRETE PIPE (CLASS III) Note: Includes 0.89 CY of excavated material per LF of pipe.	143.27	
		For >1,000, Deduct	*-7.16*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 74 04 02-0016	LF	27" REINFORCED CONCRETE PIPE (CLASS III)	176.38	
		Note: Includes 0.98 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-8.82*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 74 04 02-0017	LF	30" REINFORCED CONCRETE PIPE (CLASS III)	188.51	
		Note: Includes 1.08 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-9.43*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 74 04 02-0018	LF	33" REINFORCED CONCRETE PIPE (CLASS III)	210.08	
		Note: Includes 1.19 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-10.50*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 74 04 02-0019	LF	36" REINFORCED CONCRETE PIPE (CLASS III)	231.46	
		Note: Includes 1.30 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-11.57*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 74 04 02-0020	LF	42" REINFORCED CONCRETE PIPE (CLASS III)	296.64	
		Note: Includes 1.53 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-14.83*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 74 04 02-0021	LF	48" REINFORCED CONCRETE PIPE (CLASS III)	354.96	
		Note: Includes 1.78 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-17.75*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 74 04 02-0022	LF	12" REINFORCED CONCRETE PIPE (CLASS II, RUBBER GASKET JOINT)	67.89	
		Note: Includes 0.37 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-3.39*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 74 04 02-0023	LF	15" REINFORCED CONCRETE PIPE (CLASS II, RUBBER GASKET JOINT)	84.22	
		Note: Includes 0.53 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-4.21*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 74 04 02-0024	LF	18" REINFORCED CONCRETE PIPE (CLASS II, RUBBER GASKET JOINT)	96.72	
		Note: Includes 0.64 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-4.84*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 74 04 02-0025	LF	21" REINFORCED CONCRETE PIPE (CLASS II, RUBBER GASKET JOINT)	124.26	
		Note: Includes 0.80 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-6.21*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 74 04 02-0026	LF	24" REINFORCED CONCRETE PIPE (CLASS II, RUBBER GASKET JOINT)	143.84	
		Note: Includes 0.89 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-7.19*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 74 04 02-0027	LF	12" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT)	69.48	
		Note: Includes 0.37 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-3.47*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 74 04 02-0028	LF	15" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT)	86.25	
		Note: Includes 0.53 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-4.31*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 74 04 02-0029	LF	18" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT)	98.86	
		Note: Includes 0.64 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-4.94*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 74 04 02-0030	LF	21" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT)	127.04	
		Note: Includes 0.80 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-6.35*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 74 04 02-0031	LF	24" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT)	146.98	
		Note: Includes 0.89 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-7.35*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 74 04 02-0032	LF	27" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT)	181.06	
		Note: Includes 0.98 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-9.05*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 74 04 02-0033	LF	30" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT)	193.58	
		Note: Includes 1.08 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-9.68*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 74 04 02-0034	LF	33" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT)	253.99	
		Note: Includes 1.19 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-12.70*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 74 04 02-0035	LF	36" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT)	238.33	
		Note: Includes 1.30 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-11.92*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 74 04 02-0036	LF	42" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT)	306.58	
		Note: Includes 1.53 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-15.33*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 74 04 02-0037	LF	48" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT)	367.29	
		Note: Includes 1.78 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-18.36*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	

50 74 04 03 SECTION 403 - Manhole Adjustment And Reconstruction *(50 74)*

50 74 04 03-0001 Manhole Adjustment And Reconstruction *(50 74 04 03)*

50 74 04 03-0002	EA	RECONSTRUCT MANHOLE (1-6)	4,413.57
50 74 04 03-0003	EA	RECONSTRUCT MANHOLE (7-12)	4,125.64
50 74 04 03-0004	EA	RECONSTRUCT MANHOLE (13+)	3,837.72
50 74 04 03-0005	EA	ADJUST MANHOLE (1-6)	1,430.55
50 74 04 03-0006	EA	ADJUST MANHOLE (7-12)	1,191.95
50 74 04 03-0007	EA	ADJUST MANHOLE (13+)	1,043.24
50 74 04 03-0008	EA	DOUBLE ADJUST MANHOLE (1-6)	2,261.80
50 74 04 03-0009	EA	DOUBLE ADJUST MANHOLE (7-12)	1,904.45
50 74 04 03-0010	EA	DOUBLE ADJUST MANHOLE (13+)	1,636.98

50 74 04 04 SECTION 404 - Cold Milling *(50 74)*

50 74 04 04-0001 Cold Milling *(50 74 04 04)*

50 74 04 04-0002	SF	COLD MILL AC PAVEMENT (0 – 1-1/2") (10,000-100,000)	0.32
50 74 04 04-0003	SF	COLD MILL AC PAVEMENT (0 – 1-1/2") (100,001-250,000)	0.26
50 74 04 04-0004	SF	COLD MILL AC PAVEMENT (0 – 1-1/2") (250,001-400,000)	0.22
50 74 04 04-0005	SF	COLD MILL AC PAVEMENT (0 – 1-1/2") (400,001+)	0.22
50 74 04 04-0006	SF	COLD MILL AC PAVEMENT (> 1-1/2 – 3") (10,000-100,000)	0.38
50 74 04 04-0007	SF	COLD MILL AC PAVEMENT (> 1-1/2 – 3") (100,001-250,000)	0.32
50 74 04 04-0008	SF	COLD MILL AC PAVEMENT (> 1-1/2 – 3") (250,001-400,000)	0.26
50 74 04 04-0009	SF	COLD MILL AC PAVEMENT (> 1-1/2 – 3") (400,001+)	0.26
50 74 04 04-0010	SF	COLD MILL AC PAVEMENT (> 3") (10,000-100,000)	0.38
50 74 04 04-0011	SF	COLD MILL AC PAVEMENT (> 3") (100,001-250,000)	0.36
50 74 04 04-0012	SF	COLD MILL AC PAVEMENT (> 3") (250,001-400,000)	0.32
50 74 04 04-0013	SF	COLD MILL AC PAVEMENT (> 3") (400,001+)	0.32
50 74 04 04-0014	LF	INDUCTIVE LOOP DETECTOR AND LEADS SAW CUT (20-1,500)	11.30
50 74 04 04-0015	LF	INDUCTIVE LOOP DETECTOR AND LEADS SAW CUT (1,501+)	10.15

50 74 04 05 SECTION 405 - Micro-Milling *(50 74)*

50 74 04 05-0001 Micro-Milling *(50 74 04 05)*

50 74 04 05-0002	SF	MICRO-MILL AC PAVEMENT (< 1") (10,000-100,000)	0.27
50 74 04 05-0003	SF	MICRO-MILL AC PAVEMENT (< 1") (100,001-250,000)	0.26
50 74 04 05-0004	SF	MICRO-MILL AC PAVEMENT (< 1") (250,001-400,000)	0.24
50 74 04 05-0005	SF	MICRO-MILL AC PAVEMENT (< 1") (400,000+)	0.24

50 76 TEMPORARY TRAFFIC CONTROL *(50 70)*

50 76 06 01 SECTION 601 - Temporary Traffic Control For Construction And Maintenance Work Zones *(50 76)*

50 76 06 01-0001 Temporary Traffic Control For Construction And Maintenance Work Zones *(50 76 06 01)*

50 76 06 01-0002	NTE	TRAFFIC CONTROL	0.00
		See CSI section 01 22 20 00-0078 for traffic control.	
50 76 06 01-0003	NTE	TRAFFIC CONTROL (RECONSTRUCTION)	0.00
50 76 06 01-0004	DAY	FLASHING ARROW SIGN	69.95
50 76 06 01-0005	DAY	CHANGEABLE MESSAGE SIGN	100.86

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

50 78 LANDSCAPING AND IRRIGATION *(50 70)*

50 78 08 01 SECTION 801 - Landscape And Irrigation - Installation *(50 78)*

50 78 08 01-0001 Landscape And Irrigation - Installation *(50 78 08 01)*

50 78 08 01-0002	EA	FURNISH AND PLANT 15-GALLON TREE	939.42
50 78 08 01-0003	EA	FURNISH AND PLANT 24-INCH BOX TREE	1,611.96
50 78 08 01-0004	EA	FURNISH AND PLANT 36-INCH BOX TREE	2,198.33
50 78 08 01-0005	SY	SOD	22.50
50 78 08 01-0006	LF	ADJUST/REPAIR SPRINKLER SYSTEM	2.75

50 78 08 01-0007 Landscape And Irrigation Piping *(50 78 08 01)*

50 78 08 01-0008	EA	1/2" GATE VALVE	315.13
50 78 08 01-0009	EA	3/4" GATE VALVE	334.48
50 78 08 01-0010	EA	1" GATE VALVE	365.43
50 78 08 01-0011	EA	1 1/4" GATE VALVE	402.85
50 78 08 01-0012	EA	1 1/2" GATE VALVE	429.89
50 78 08 01-0013	EA	2" GATE VALVE	489.61
50 78 08 01-0014	EA	2 1/2" GATE VALVE	798.54
50 78 08 01-0015	EA	3" GATE VALVE	1,419.11
50 78 08 01-0016	EA	4" GATE VALVE	1,892.49
50 78 08 01-0017	EA	6" GATE VALVE	2,747.26
50 78 08 01-0018	EA	8" GATE VALVE	4,208.14
50 78 08 01-0019	LF	1" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)	7.52
		For >1,000, Deduct	*-0.38*
		For Schedule 80, Add	*0.38*
50 78 08 01-0020	LF	10" WELDED STEEL PIPE CONDUIT	201.72
		For >1,000, Deduct	*-10.09*
50 78 08 01-0021	LF	1 1/4" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)	8.88
		For >1,000, Deduct	*-0.44*
		For Schedule 80, Add	*0.57*
50 78 08 01-0022	EA	CAM COUPLER ASSEMBLY	452.53
50 78 08 01-0023	LF	1 1/2" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)	9.12
		For >1,000, Deduct	*-0.46*
		For Schedule 80, Add	*0.77*
50 78 08 01-0024	LF	2" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)	10.77
		For >1,000, Deduct	*-0.54*
		For Schedule 80, Add	*1.29*
50 78 08 01-0025	LF	2 1/2" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)	13.10
		For >1,000, Deduct	*-0.66*
		For Schedule 80, Add	*1.68*
50 78 08 01-0026	LF	3" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)	16.94
		For >1,000, Deduct	*-0.85*
		For Schedule 80, Add	*2.35*
50 78 08 01-0027	LF	4" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)	21.39
		For >1,000, Deduct	*-1.07*
		For Schedule 80, Add	*3.59*
50 78 08 01-0028	LF	6" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)	29.69
		For >1,000, Deduct	*-1.48*
		For Schedule 80, Add	*8.00*
50 78 08 01-0029	LF	8" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)	36.49
		For >1,000, Deduct	*-1.82*
		For Schedule 80, Add	*12.26*
50 78 08 01-0030	LF	10" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)	77.59
		For >1,000, Deduct	*-3.88*
		For Schedule 80, Add	*38.12*
50 78 08 01-0031	LF	2" WELDED STEEL PIPE CONDUIT	36.96
		For >1,000, Deduct	*-1.85*
50 78 08 01-0032	LF	3" WELDED STEEL PIPE CONDUIT	52.08
		For >1,000, Deduct	*-2.60*
50 78 08 01-0033	LF	4" WELDED STEEL PIPE CONDUIT	71.99
		For >1,000, Deduct	*-3.60*
50 78 08 01-0034	LF	6" WELDED STEEL PIPE CONDUIT	104.89
		For >1,000, Deduct	*-5.24*
50 78 08 01-0035	LF	8" WELDED STEEL PIPE CONDUIT	151.20
		For >1,000, Deduct	*-7.56*

50 79 SPECIAL PROVISIONS *(50 70)*

50 79 00 00-0001 Special Provisions *(50 79)*

50 79 00 00-0002	LF	ROOT CONTROL BARRIER	45.88
50 79 00 00-0003	TON	REMOVAL AND DISPOSAL OF CCPRACP EXCESS RAP	34.91
50 79 00 00-0004	TON	EMULSIFIED RECYCLING AGENT FOR CIRACP/CCPRACP	1,127.73
50 79 00 00-0005	EA	ADJUST VALVE COVER TO GRADE	723.26
50 79 00 00-0006	EA	NO. 5 PULL BOX INCL PCC COVER	1,885.59
50 79 00 00-0007	EA	NO. 6 PULL BOX INCL PCC COVER	2,553.30
50 79 00 00-0008	EA	CURB DRAIN PER STD PLAN 150, N=1-3, CASE I, II, OR III INLET	3,294.50
50 79 00 00-0009	SF	PARKWAY DRAIN PER STD PLAN 151	461.37
50 79 00 00-0010	CY	REINFORCED CONCRETE STAIRWAY PER STD PLAN 640	3,044.64
50 79 00 00-0011	CY	CONCRETE SLOUGH WALL PER LACDPW STD PLAN 6203	2,645.79

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LACWD
LOS ANGELES COUNTY WATERWORKS DISTRICTS

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 79 00 00-0012	SF	CONCRETE BLOCK SLOUGH WALL PER STD PLAN 622	393.23	
50 79 00 00-0013	CY	PCC FOOTING FOR CONCRETE BLOCK SLOUGH WALL	2,010.78	
50 79 00 00-0014	LF	REMOVE EXISTING CHAIN LINK FENCE	18.12	
50 79 00 00-0015	LF	REMOVE AND DISPOSE OF EXISTING GUARDRAIL (INCLUDING POSTS) (25-100)	36.30	
50 79 00 00-0016	LF	REMOVE AND DISPOSE OF EXISTING GUARDRAIL (INCLUDING POSTS) (101-500)	29.81	
50 79 00 00-0017	LF	REMOVE AND DISPOSE OF EXISTING GUARDRAIL (INCLUDING POSTS) (501+)	23.07	
50 79 00 00-0018	LF	REMOVE AND DISPOSE OF EXISTING GUARDRAIL END TREATMENT AND CONCRETE FOOTING (INCLUDING POSTS) (1-50)	42.90	
50 79 00 00-0019	LF	REMOVE AND DISPOSE OF EXISTING GUARDRAIL END TREATMENT AND CONCRETE FOOTING (INCLUDING POSTS) (51+)	36.30	
50 79 00 00-0020	LB	TRANSPORTATION AND DISPOSAL OF TREATED WOOD WASTE (1-2000)	0.82	
50 79 00 00-0021	LB	TRANSPORTATION AND DISPOSAL OF TREATED WOOD WASTE (2001-6000)	0.31	
50 79 00 00-0022	LB	TRANSPORTATION AND DISPOSAL OF TREATED WOOD WASTE (6001+)	0.11	
50 79 00 00-0023	LF	METAL BEAM GUARD RAILING (STEEL POST W/ PLASTIC BLOCK) (25-100)	84.85	
50 79 00 00-0024	LF	METAL BEAM GUARD RAILING (STEEL POST W/ PLASTIC BLOCK) (101-500)	71.48	
50 79 00 00-0025	LF	METAL BEAM GUARD RAILING (STEEL POST W/ PLASTIC BLOCK) (501+)	54.77	
50 79 00 00-0026	LF	METAL BEAM GUARD RAILING (WOOD POST W/ WOOD BLOCK) (25-100)	84.85	
50 79 00 00-0027	LF	METAL BEAM GUARD RAILING (WOOD POST W/ WOOD BLOCK) (101-500)	71.48	
50 79 00 00-0028	LF	METAL BEAM GUARD RAILING (WOOD POST W/ WOOD BLOCK) (501+)	54.77	
50 79 00 00-0029	LF	METAL BEAM GUARD RAILING (STEEL POST W/ WOOD BLOCK) (25-100)	84.85	
50 79 00 00-0030	LF	METAL BEAM GUARD RAILING (STEEL POST W/ WOOD BLOCK) (101-500)	71.48	
50 79 00 00-0031	LF	METAL BEAM GUARD RAILING (STEEL POST W/ WOOD BLOCK) (501+)	54.77	
50 79 00 00-0032	LF	MIDWEST GUARDRAIL SYSTEM (STEEL POST W/ PLASTIC BLOCK) (25-100)	84.04	
50 79 00 00-0033	LF	MIDWEST GUARDRAIL SYSTEM (STEEL POST W/ PLASTIC BLOCK) (101-500)	70.67	
50 79 00 00-0034	LF	MIDWEST GUARDRAIL SYSTEM (STEEL POST W/ PLASTIC BLOCK) (501+)	53.96	
50 79 00 00-0035	LF	MIDWEST GUARDRAIL SYSTEM (WOOD POST W/ WOOD BLOCK) (25-100)	82.41	
50 79 00 00-0036	LF	MIDWEST GUARDRAIL SYSTEM (WOOD POST W/ WOOD BLOCK) (101-500)	69.04	
50 79 00 00-0037	LF	MIDWEST GUARDRAIL SYSTEM (WOOD POST W/ WOOD BLOCK) (501+)	52.33	
50 79 00 00-0038	LF	MIDWEST GUARDRAIL SYSTEM (STEEL POST W/ WOOD BLOCK) (25-100)	84.04	
50 79 00 00-0039	LF	MIDWEST GUARDRAIL SYSTEM (STEEL POST W/ WOOD BLOCK) (101-500)	70.67	
50 79 00 00-0040	LF	MIDWEST GUARDRAIL SYSTEM (STEEL POST W/ WOOD BLOCK) (501+)	53.96	
50 79 00 00-0041	EA	FLARED TERMINAL SYSTEM (TYPE MAX-TENSION MGS FOR WOOD OR STEEL POSTS TL-3) (1-5)	7,631.89	
50 79 00 00-0042	EA	FLARED TERMINAL SYSTEM (TYPE MAX-TENSION MGS FOR WOOD OR STEEL POSTS TL-3) (6-10)	6,294.39	
50 79 00 00-0043	EA	FLARED TERMINAL SYSTEM (TYPE MAX-TENSION MGS FOR WOOD OR STEEL POSTS TL-3) (11+)	5,625.65	
50 79 00 00-0044	EA	FLARED TERMINAL SYSTEM (TYPE MSFT-MGS FOR WOOD OR STEEL POSTS TL-3) (1-5)	5,689.09	
50 79 00 00-0045	EA	FLARED TERMINAL SYSTEM (TYPE MSFT-MGS FOR WOOD OR STEEL POSTS TL-3) (6-10)	5,020.35	
50 79 00 00-0046	EA	FLARED TERMINAL SYSTEM (TYPE MSFT-MGS FOR WOOD OR STEEL POSTS TL-3) (11+)	4,685.98	
50 79 00 00-0047	EA	FLARED TERMINAL SYSTEM (TYPE SOFTSTOP-MGS FOR WOOD OR STEEL POSTS TL-2) (1-5)	7,875.89	
50 79 00 00-0048	EA	FLARED TERMINAL SYSTEM (TYPE SOFTSTOP-MGS FOR WOOD OR STEEL POSTS TL-2) (6-10)	6,538.39	
50 79 00 00-0049	EA	FLARED TERMINAL SYSTEM (TYPE SOFTSTOP-MGS FOR WOOD OR STEEL POSTS TL-2) (11+)	5,869.65	
50 79 00 00-0050	EA	FLARED TERMINAL SYSTEM (TYPE SOFTSTOP-MGS FOR WOOD OR STEEL POSTS TL-3) (1-5)	9,052.48	
50 79 00 00-0051	EA	FLARED TERMINAL SYSTEM (TYPE SOFTSTOP-MGS FOR WOOD OR STEEL POSTS TL-3) (6-10)	7,821.02	
50 79 00 00-0052	EA	FLARED TERMINAL SYSTEM (TYPE SOFTSTOP-MGS FOR WOOD OR STEEL POSTS TL-3) (11+)	6,500.81	
50 79 00 00-0053	EA	IN LINE TERMINAL SYSTEM (TYPE MAX-TENSION MGS FOR WOOD OR STEEL POSTS TL-3) (1-5)	7,631.89	
50 79 00 00-0054	EA	IN LINE TERMINAL SYSTEM (TYPE MAX-TENSION MGS FOR WOOD OR STEEL POSTS TL-3) (6-10)	6,294.39	
50 79 00 00-0055	EA	IN LINE TERMINAL SYSTEM (TYPE MAX-TENSION MGS FOR WOOD OR STEEL POSTS TL-3) (11+)	5,625.65	
50 79 00 00-0056	EA	IN LINE TERMINAL SYSTEM (TYPE MSKT-MGS FOR WOOD OR STEEL POSTS TL-3) (1-5)	7,631.89	
50 79 00 00-0057	EA	IN LINE TERMINAL SYSTEM (TYPE MSKT-MGS FOR WOOD OR STEEL POSTS TL-3) (6-10)	6,294.39	
50 79 00 00-0058	EA	IN LINE TERMINAL SYSTEM (TYPE MSKT-MGS FOR WOOD OR STEEL POSTS TL-3) (11+)	5,625.65	
50 79 00 00-0059	EA	IN LINE TERMINAL SYSTEM (TYPE SOFTSTOP-MGS FOR WOOD OR STEEL POSTS TL-2) (1-5)	7,875.89	
50 79 00 00-0060	EA	IN LINE TERMINAL SYSTEM (TYPE SOFTSTOP-MGS FOR WOOD OR STEEL POSTS TL-2) (6-10)	6,538.39	
50 79 00 00-0061	EA	IN LINE TERMINAL SYSTEM (TYPE SOFTSTOP-MGS FOR WOOD OR STEEL POSTS TL-2) (11+)	5,869.65	
50 79 00 00-0062	EA	IN LINE TERMINAL SYSTEM (TYPE SOFTSTOP-MGS FOR WOOD OR STEEL POSTS TL-3) (1-5)	9,052.48	
50 79 00 00-0063	EA	IN LINE TERMINAL SYSTEM (TYPE SOFTSTOP-MGS FOR WOOD OR STEEL POSTS TL-3) (6-10)	7,821.02	
50 79 00 00-0064	EA	IN LINE TERMINAL SYSTEM (TYPE SOFTSTOP-MGS FOR WOOD OR STEEL POSTS TL-3) (11+)	6,500.81	
50 79 00 00-0065	EA	END ANCHOR ASSEMBLY (TYPE SFT) PER CALTRANS STD PLAN A77L3 (1-5)	2,018.19	
50 79 00 00-0066	EA	END ANCHOR ASSEMBLY (TYPE SFT) PER CALTRANS STD PLAN A77L3 (6-10)	1,817.56	
50 79 00 00-0067	EA	END ANCHOR ASSEMBLY (TYPE SFT) PER CALTRANS STD PLAN A77L3 (11+)	1,683.80	
50 79 00 00-0068	EA	MIDWEST GUARDRAIL SYSTEM END ANCHOR ASSEMBLY (TYPE SFT) PER CALTRANS STD PLAN A77S1 (1-5)	2,095.14	
50 79 00 00-0069	EA	MIDWEST GUARDRAIL SYSTEM END ANCHOR ASSEMBLY (TYPE SFT) PER CALTRANS STD PLAN A77S1 (6-10)	1,760.77	
50 79 00 00-0070	EA	MIDWEST GUARDRAIL SYSTEM END ANCHOR ASSEMBLY (TYPE SFT) PER CALTRANS STD PLAN A77S1 (11+)	1,560.14	
50 79 00 00-0071	EA	MIDWEST GUARDRAIL SYSTEM BURIED POST END ANCHOR PER CALTRANS STD PLAN A77T2 (1-5)	3,179.26	
50 79 00 00-0072	EA	MIDWEST GUARDRAIL SYSTEM BURIED POST END ANCHOR PER CALTRANS STD PLAN A77T2 (6-10)	2,510.52	
50 79 00 00-0073	EA	MIDWEST GUARDRAIL SYSTEM BURIED POST END ANCHOR PER CALTRANS STD PLAN A77T2 (11+)	2,109.27	
50 79 00 00-0074	EA	RAILING DELINEATION PER CALTRANS STD PLAN A77N4) (1-50)	56.33	
50 79 00 00-0075	EA	RAILING DELINEATION PER CALTRANS STD PLAN A77N4) (51-300)	47.31	
50 79 00 00-0076	EA	RAILING DELINEATION PER CALTRANS STD PLAN A77N4) (301+)	39.42	
50 79 00 00-0077	EA	TRANSITION RAILING (TYPE WB-31 PER CALTRANS STD PLAN A77U4) (1-5)	7,679.65	
50 79 00 00-0078	EA	TRANSITION RAILING (TYPE WB-31 PER CALTRANS STD PLAN A77U4) (6-10)	6,060.27	
50 79 00 00-0079	EA	TRANSITION RAILING (TYPE WB-31 PER CALTRANS STD PLAN A77U4) (11+)	5,736.39	
50 79 00 00-0080	EA	CRASH CUSHION (TYPE SCI-100GM, TL-3) (EA)	78,786.50	
50 79 00 00-0081	EA	CRASH CUSHION (TYPE QUADGUARD M10, TL-3) (EA)	91,720.03	
50 79 00 00-0082	EA	END CAP (PER CALTRANS STD PLAN A77M1) (1-5)	212.97	
50 79 00 00-0083	EA	END CAP (PER CALTRANS STD PLAN A77M1) (6-10)	212.97	
50 79 00 00-0084	EA	END CAP (PER CALTRANS STD PLAN A77M1) (11+)	212.97	

50 89 CALTRANs Custom Standards And Assemblies *(50)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

Note: Use as directed by owner only.

50 89 80 CALTRANs Construction Performance Requirements *(50 89)*

Note: Refer to www.dot.ca.gov for CALTRANs Standard Plans and Specifications

50 89 81 CALTRANS DIVISION I - GENERAL PROVISIONS *(50 89 80)*

50 89 81 01 PAYMENT *(50 89 81)*

Note: Includes equipment mobilization, hauling over 25 miles, overtime, specialty labor, speciality equipment, reimbursables and permits per CALTRAN Standard. See CSI section 01 22 16 00-0001 for Reimbursable fees and permits, 01 22 20 00-0000 for specialty labor, 01 22 23 00-0000 for speacility equipment, 01 71 13 00-0000 for equipment mobilization, 01 74 19 00-0041 for hauling >25 miles.

50 89 81 01-0001	EA	CALTRANS 999990 MOBILIZATION	0.00
		Note: (One Time Per Job) See CSI section 01 71 13 00-0000 for mobilization of equipment.	

50 89 82 CALTRANS DIVISION II - GENERAL CONSTRUCTION *(50 89 80)*

50 89 82 12 TEMPORARY TRAFFIC CONTROL *(50 89 82)*

Note: Includes flagging, apparel, temporary traffic control devices, and equipment for flaggers, must comply with the latest California MUTCD per CALTRANS Standard.

50 89 82 12-0001	EA	CALTRANS 120110 FLASHING ARROW SIGN	1,751.44
50 89 82 12-0002	EA	CALTRANS 120116 TYPE II BARRICADE	46.29
50 89 82 12-0003	EA	CALTRANS 120119 TRAFFIC CONE	13.15
50 89 82 12-0004	EA	CALTRANS 120120 TYPE III BARRICADE	89.61
50 89 82 12-0005	EA	CALTRANS 120140 BARRICADE (LEFT IN PLACE)	80.71
50 89 82 12-0006	SF	CALTRANS 120149 TEMPORARY PAVEMENT MARKING (PAINT)	3.14
50 89 82 12-0007	LF	CALTRANS 120151 TEMPORARY TRAFFIC STRIPE (TAPE)	5.59
50 89 82 12-0008	SF	CALTRANS 120152 TEMPORARY PAVEMENT MARKING (TAPE)	13.75
50 89 82 12-0009	LF	CALTRANS 120159 TEMPORARY TRAFFIC STRIPE (PAINT)	0.68
50 89 82 12-0010	EA	CALTRANS 120165 CHANNELIZER (SURFACE MOUNTED)	33.04
50 89 82 12-0011	EA	CALTRANS 120166 CHANNELIZER (SURFACE MOUNTED) (LEFT IN PLACE)	72.53
50 89 82 12-0012	EA	CALTRANS 120182 PORTABLE DELINEATOR	25.74
50 89 82 12-0013	EA	CALTRANS 120198 PLASTIC TRAFFIC DRUMS	39.21
50 89 82 12-0014	EA	CALTRANS 120200 FLASHING BEACON (PORTABLE)	47.48
50 89 82 12-0015	EA	CALTRANS 120300 TEMPORARY PAVEMENT MARKER	3.23
50 89 82 12-0016	MO	CALTRANS 128651 PORTABLE CHANGEABLE MESSAGE SIGN (EA)	2,993.19
50 89 82 12-0017	MO	CALTRANS 129100 TEMPORARY CRASH CUSHION MODULE	718.63

50 89 82 13 WATER POLLUTION CONTROL *(50 89 82)*

Note: Includes preventing, controlling, and abating water pollution within waters of the State per CALTRANS Standard.

50 89 82 13-0001	EA	CALTRANS 130310 RAIN EVENT ACTION PLAN	568.32
50 89 82 13-0002	EA	CALTRANS 130320 STORM WATER SAMPLING AND ANALYSIS DAY	532.93
50 89 82 13-0003	EA	CALTRANS 130330 STORM WATER ANNUAL REPORT	2,255.36
50 89 82 13-0004	SY	CALTRANS 130500 TEMPORARY EROSION CONTROL BLANKET	6.08
50 89 82 13-0005	EA	CALTRANS 130505 MOVE-IN/MOVE-OUT (TEMPORARY EROSION CONTROL)	1,019.65
50 89 82 13-0006	SY	CALTRANS 130510 TEMPORARY MULCH	5.35
50 89 82 13-0007	SY	CALTRANS 130520 TEMPORARY HYDRAULIC MULCH	0.94
50 89 82 13-0008	SY	CALTRANS 130530 TEMPORARY HYDRAULIC MULCH (BONDED FIBER MATRIX)	0.47
50 89 82 13-0009	SY	CALTRANS 130535 TEMPORARY HYDRAULIC MULCH (CEMENTITIOUS BINDER)	13.93
50 89 82 13-0010	SY	CALTRANS 130540 TEMPORARY TACKED STRAW	0.33
50 89 82 13-0011	SY	CALTRANS 130550 TEMPORARY HYDROSEED	0.94
50 89 82 13-0012	SY	CALTRANS 130560 TEMPORARY SOIL BINDER	0.56
50 89 82 13-0013	SY	CALTRANS 130570 TEMPORARY COVER	8.82
50 89 82 13-0014	EA	CALTRANS 130620 TEMPORARY DRAINAGE INLET PROTECTION	95.17
50 89 82 13-0015	LF	CALTRANS 130640 TEMPORARY FIBER ROLL	9.46
		Note: 12" Diameter, Type 1	
		For >1,000 To 10,000, Deduct	*-1.05*
		For >10,000, Deduct	*-1.78*
		For 9" Diameter, Deduct	*-1.19*
50 89 82 13-0016	LF	CALTRANS 130640 TEMPORARY FIBER ROLL	7.45
		Note: 12" Diameter, Type 2	
		For >1,000 To 10,000, Deduct	*-0.75*
		For >10,000, Deduct	*-1.28*
		For 9" Diameter, Deduct	*-1.19*
50 89 82 13-0017	LF	CALTRANS 130650 TEMPORARY GRAVEL BAG BERM	15.15
50 89 82 13-0018	LF	CALTRANS 130670 TEMPORARY REINFORCED SILT FENCE	10.87
50 89 82 13-0019	LF	CALTRANS 130680 TEMPORARY SILT FENCE	3.26
50 89 82 13-0020	LF	CALTRANS 130690 TEMPORARY STRAW BALE BARRIER	4.87
50 89 82 13-0021	EA	CALTRANS 130710 TEMPORARY CONSTRUCTION ENTRANCE	1,588.34
50 89 82 13-0022	SY	CALTRANS 130720 TEMPORARY CONSTRUCTION ROADWAY	38.81
50 89 82 13-0023	EA	CALTRANS 131103 WATER QUALITY SAMPLING AND ANALYSIS DAY	532.93
50 89 82 13-0024	EA	CALTRANS 131104 WATER QUALITY MONITORING REPORT	780.80
50 89 82 13-0025	EA	CALTRANS 131105 WATER QUALITY ANNUAL REPORT	837.76

50 89 83 CALTRANS DIVISION III - GRADING *(50 89 80)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 83 17		**GENERAL** *(50 89 83)*		
		Note: Includes clear all construction areas above original ground of (1) all vegetation such as trees, logs, upturned stumps, roots of downed trees, brush, grass, and weeds and (2) other objectionable material including concrete, masonry, and debris. Grub all construction areas to a depth necessary to remove all trees, existing stumps, roots, buried logs, and other objectionable material, except embankment areas where the grading plane is 2 feet or more above original ground per CALTRAN Standard.		
50 89 83 17-0001	ACR	CALTRANS 170105 CLEARING AND GRUBBING (ACRE)	14,254.41	
		Note: Includes grub and removal of stump. In embankment areas where the grading plane is 2 feet or more above original ground, cut off trees, stumps, and roots not more than 1 foot above original ground, except remove trees, stumps, and roots completely where work includes any of the following: 1. Structure construction, 2. Pile construction, 3. Subdrainage trench excavation, 4. Removal of unsuitable material, 5. Cutting into slopes of original hillsides, old or new fill		
50 89 83 19		**EARTHWORK** *(50 89 83)*		
		Note: Includes earthwork activities includes removal of unsuitable material or a buried man-made object if the removal is described. Excavate and dispose of unsuitable material encountered below the natural ground surface in embankment areas or below the grading plane in excavation areas. Backfill the space resulting from excavating unsuitable material with material suitable for the planned use. Place and compact suitable material. Remove and dispose of a buried man-made object encountered in an excavation as part of the excavation work. Roadway excavation consists of all excavation involved in the grading and construction of the roadway except structure excavation per CALTRAN Standard.		
50 89 83 19-0001	CY	CALTRANS 190101 ROADWAY EXCAVATION	22.17	
		For >1,000, Deduct	*-3.33*	
50 89 83 19-0002	CY	CALTRANS 190161 ROCK EXCAVATION	36.87	
50 89 83 19-0003	TON	CALTRANS 190185 SHOULDER BACKING	123.92	
50 89 83 19-0004	CY	CALTRANS 192037 STRUCTURE EXCAVATION (RETAINING WALL)	62.32	841.66
50 89 83 19-0005	CY	CALTRANS 192049 STRUCTURE EXCAVATION (SOLDIER PILE WALL)	90.55	284.66
50 89 83 19-0006	CY	CALTRANS 192502 SAND BEDDING	37.85	
		For Up To 8, Add	*7.57*	
		For >8 To 16, Add	*3.79*	
		For >48 To 64, Deduct	*-2.72*	
		For >64 To 96, Deduct	*-4.61*	
		For >96, Deduct	*-6.51*	
50 89 83 19-0007	CY	CALTRANS 193013 STRUCTURE BACKFILL (RETAINING WALL)	62.32	841.66
50 89 83 19-0008	CY	CALTRANS 193118 CONCRETE BACKFILL	257.48	
50 89 83 19-0009	CY	CALTRANS 198010 IMPORTED BORROW (CY)	46.65	
50 89 83 19-0010	TON	CALTRANS 198011 IMPORTED BORROW (TON)	65.31	
50 89 83 19-0011	SY	CALTRANS 198206 SUBGRADE ENHANCEMENT GEOTEXTILE, CLASS A1	6.09	
		For Up To 50, Add	*1.28*	
		For >50 To 150, Add	*0.95*	
		For >150 To 250, Add	*0.63*	
		For >250 To 500, Add	*0.31*	
50 89 83 19-0012	SY	CALTRANS 198207 SUBGRADE ENHANCEMENT GEOTEXTILE, CLASS A2	2.52	
		For Up To 50, Add	*0.55*	
		For >50 To 150, Add	*0.41*	
		For >150 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.13*	
50 89 83 19-0013	SY	CALTRANS 198208 SUBGRADE ENHANCEMENT GEOTEXTILE, CLASS B1	7.09	
		For Up To 50, Add	*1.48*	
		For >50 To 150, Add	*1.10*	
		For >150 To 250, Add	*0.73*	
		For >250 To 500, Add	*0.36*	
50 89 83 19-0014	SY	CALTRANS 198209 SUBGRADE ENHANCEMENT GEOTEXTILE, CLASS B2	3.45	
		For Up To 50, Add	*0.74*	
		For >50 To 150, Add	*0.55*	
		For >150 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.18*	
50 89 83 19-0015	SY	CALTRANS 198210 SUBGRADE ENHANCEMENT GEOTEXTILE, CLASS B3	3.25	
		For Up To 50, Add	*0.71*	
		For >50 To 150, Add	*0.53*	
		For >150 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.17*	
50 89 83 19-0016	SY	CALTRANS 198215 SUBGRADE ENHANCEMENT GEOGRID	5.46	
		For Up To 50, Add	*1.22*	
		For >50 To 150, Add	*0.90*	
		For >150 To 250, Add	*0.59*	
		For >250 To 500, Add	*0.29*	
50 89 83 19-0017	SY	CALTRANS 198250 GEOSYNTHETIC REINFORCEMENT	2.39	
50 89 83 20		**LANDSCAPE** *(50 89 83)*		
		Note: Includes materials and placement per CALTRAN Standard. Underground pipe includes pipe, fittings, trenching, backfill and compaction. Aboveground pipe include pipe, fittings and supports.		
50 89 83 20-0001	SF	CALTRANS 200114 ROCK BLANKET	15.52	
		For >5,000, Deduct	*-2.07*	
50 89 83 20-0002	SY	CALTRANS 200122 WEED GERMINATION	0.74	
50 89 83 20-0003	SY	CALTRANS 200123 CULTIVATION	3.27	
50 89 83 20-0004	LB	CALTRANS 202004 IRON SULFATE (LB)	8.19	
50 89 83 20-0005	CY	CALTRANS 202006 SOIL AMENDMENT	129.48	
50 89 83 20-0006	EA	CALTRANS 202026 RELOCATE BACKFLOW PREVENTER ASSEMBLY	1,077.90	
50 89 83 20-0007	EA	CALTRANS 202027 RELOCATE WATER METER	1,077.90	
50 89 83 20-0008	EA	CALTRANS 202028 RELOCATE IRRIGATION CONTROLLER	1,593.70	
50 89 83 20-0009	LB	CALTRANS 202037 ORGANIC FERTILIZER	8.31	
50 89 83 20-0010	EA	CALTRANS 202038 PACKET FERTILIZER	1.30	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 83 20-0011	LB	CALTRANS 202039 SLOW-RELEASE FERTILIZER	3.87	
50 89 83 20-0012	EA	CALTRANS 204003 PLANT (GROUP C) (6' To 8' B&B)	493.54	
50 89 83 20-0013	EA	CALTRANS 204003 PLANT (GROUP C) (10' To 14' B&B)	907.62	
50 89 83 20-0014	EA	CALTRANS 204003 PLANT (GROUP C) (16' To 20' B&B)	1,401.53	
50 89 83 20-0015	EA	CALTRANS 204003 PLANT (GROUP C) (22' To 26' B&B)	2,174.53	
50 89 83 20-0016	EA	CALTRANS 204005 PLANT (GROUP E)	4.63	
		For >100 To 1,000, Deduct	*-0.26*	
		For >1,000 To 5,000, Deduct	*-0.41*	
		For >5,000, Deduct	*-0.53*	
50 89 83 20-0017	EA	CALTRANS 204006 PLANT (GROUP F)	2.57	
		For >100 To 1,000, Deduct	*-0.17*	
		For >1,000 To 5,000, Deduct	*-0.27*	
		For >5,000, Deduct	*-0.33*	
50 89 83 20-0018	EA	CALTRANS 204008 PLANT (GROUP H)	7.47	
		For >10 To 100, Deduct	*-0.75*	
		For >100 To 1,000, Deduct	*-1.68*	
		For >1,000 To 10,000, Deduct	*-2.61*	
		For >10,000 To 25,000, Deduct	*-3.74*	
		For >25,000, Deduct	*-5.23*	
50 89 83 20-0019	EA	CALTRANS 204009 PLANT (GROUP I)	27.08	
		For >100 To 1,000, Deduct	*-1.85*	
		For >1,000 To 5,000, Deduct	*-3.03*	
		For >5,000, Deduct	*-3.70*	
50 89 83 20-0020	EA	CALTRANS 204011 PLANT (GROUP K)	664.46	
50 89 83 20-0021	EA	CALTRANS 204013 PLANT (GROUP M)	8.76	
		For >100 To 1,000, Deduct	*-0.51*	
		For >1,000 To 5,000, Deduct	*-0.81*	
		For >5,000, Deduct	*-1.03*	
50 89 83 20-0022	EA	CALTRANS 204015 PLANT (GROUP S)	9.91	
		For >100 To 1,000, Deduct	*-0.63*	
		For >1,000 To 5,000, Deduct	*-1.01*	
		For >5,000, Deduct	*-1.26*	
50 89 83 20-0023	EA	CALTRANS 204020 PLANT (GROUP P)	8.26	
		For >100 To 1,000, Deduct	*-0.48*	
		For >1,000 To 5,000, Deduct	*-0.74*	
		For >5,000, Deduct	*-0.95*	
50 89 83 20-0024	EA	CALTRANS 204030 TRANSPLANT TREE	4,335.30	
		For >5 To 10, Deduct	*-216.77*	
		For >10 To 20, Deduct	*-433.53*	
		For >20, Deduct	*-650.30*	
50 89 83 20-0025	EA	CALTRANS 204035 PLANT (GROUP A)	36.46	
50 89 83 20-0026	EA	CALTRANS 204036 PLANT (GROUP B)	92.51	
50 89 83 20-0027	EA	CALTRANS 204038 PLANT (GROUP U)	241.21	
50 89 83 20-0028	SY	CALTRANS 204045 SOD	21.06	
50 89 83 20-0029	SF	CALTRANS 205033 GRAVEL MULCH	1.39	
50 89 83 20-0030	SF	CALTRANS 205034 DECOMPOSED GRANITE	1.70	
50 89 83 20-0031	CY	CALTRANS 205035 WOOD MULCH	107.89	
		For >5 To 20, Deduct	*-9.29*	
		For >20 To 50, Deduct	*-13.94*	
		For >50, Deduct	*-19.33*	
50 89 83 20-0032	EA	CALTRANS 205051 FOLIAGE PROTECTOR	44.45	
50 89 83 20-0033	EA	CALTRANS 205052 ROOT PROTECTOR	31.67	
50 89 83 20-0034	LF	CALTRANS 205062 ROOT BARRIER	13.86	
50 89 83 20-0035	LF	CALTRANS 206005 EDGING	18.76	
50 89 83 20-0036	EA	CALTRANS 206561 3/4" REMOTE CONTROL VALVE	421.63	
50 89 83 20-0037	EA	CALTRANS 206562 1" REMOTE CONTROL VALVE	691.85	
50 89 83 20-0038	EA	CALTRANS 206563 1 1/4" REMOTE CONTROL VALVE	768.91	
50 89 83 20-0039	EA	CALTRANS 206564 1 1/2" REMOTE CONTROL VALVE	852.58	
50 89 83 20-0040	EA	CALTRANS 206565 2" REMOTE CONTROL VALVE	962.73	
50 89 83 20-0041	EA	CALTRANS 206566 2 1/2" REMOTE CONTROL VALVE	1,568.81	
50 89 83 20-0042	EA	CALTRANS 206567 3" REMOTE CONTROL VALVE	2,174.88	
50 89 83 20-0043	EA	CALTRANS 206571 REMOTE CONTROL VALVE WITH PRESSURE REGULATOR	1,083.52	
50 89 83 20-0044	EA	CALTRANS 206630 3/4" WYE STRAINER ASSEMBLY	348.93	
50 89 83 20-0045	EA	CALTRANS 206631 1" WYE STRAINER ASSEMBLY	378.60	
50 89 83 20-0046	EA	CALTRANS 206632 1 1/4" WYE STRAINER ASSEMBLY	422.20	
50 89 83 20-0047	EA	CALTRANS 206633 1 1/2" WYE STRAINER ASSEMBLY	448.65	
50 89 83 20-0048	EA	CALTRANS 206634 2" WYE STRAINER ASSEMBLY	536.25	
50 89 83 20-0049	EA	CALTRANS 206635 2-1/2" WYE STRAINER ASSEMBLY	818.70	
50 89 83 20-0050	EA	CALTRANS 206636 3" WYE STRAINER ASSEMBLY	983.36	
50 89 83 20-0051	EA	CALTRANS 206747 4 STATION IRRIGATION CONTROLLER (WALL MOUNTED)	1,063.83	
50 89 83 20-0052	EA	CALTRANS 206749 8 STATION IRRIGATION CONTROLLER (WALL MOUNTED)	1,469.62	
50 89 83 20-0053	EA	CALTRANS 206751 12 STATION IRRIGATION CONTROLLER (WALL MOUNTED)	1,944.34	
50 89 83 20-0054	EA	CALTRANS 206757 16-18 STATION IRRIGATION CONTROLLER (WALL MOUNTED)	2,482.60	
50 89 83 20-0055	EA	CALTRANS 206758 24-32 STATION IRRIGATION CONTROLLER (WALL MOUNTED)	3,308.50	
50 89 83 20-0056	EA	CALTRANS 206759 30-42 STATION IRRIGATION CONTROLLER (WALL MOUNTED)	4,130.40	
50 89 83 20-0057	LF	CALTRANS 207050 1/2" COPPER PIPE (SUPPLY LINE)	11.68	
		For >1,000, Deduct	*-0.58*	
50 89 83 20-0058	LF	CALTRANS 207051 3/4" COPPER PIPE (SUPPLY LINE)	15.92	
		For >1,000, Deduct	*-0.80*	
50 89 83 20-0059	LF	CALTRANS 207052 1" COPPER PIPE (SUPPLY LINE)	19.75	
		For >1,000, Deduct	*-0.99*	
50 89 83 20-0060	LF	CALTRANS 207053 1 1/4" COPPER PIPE (SUPPLY LINE)	25.19	
		For >1,000, Deduct	*-1.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 83 20-0061	LF	CALTRANS 207054 1 1/2" COPPER PIPE (SUPPLY LINE)	30.55	
		For >1,000, Deduct	*-1.53*	
50 89 83 20-0062	LF	CALTRANS 207055 2" COPPER PIPE (SUPPLY LINE)	42.28	
		For >1,000, Deduct	*-2.11*	
50 89 83 20-0063	LF	CALTRANS 207056 3" COPPER PIPE (SUPPLY LINE)	81.37	
		For >1,000, Deduct	*-4.07*	
50 89 83 20-0064	LF	CALTRANS 207057 4" COPPER PIPE (SUPPLY LINE)	130.61	
		For >1,000, Deduct	*-6.53*	
50 89 83 20-0065	LF	CALTRANS 207058 2 1/2" COPPER PIPE (SUPPLY LINE)	56.20	
		For >1,000, Deduct	*-2.81*	
50 89 83 20-0066	LF	CALTRANS 208001 1/2" GALVANIZED PIPE (SUPPLY LINE)	13.43	
		For >1,000, Deduct	*-0.67*	
50 89 83 20-0067	LF	CALTRANS 208002 3/4" GALVANIZED PIPE (SUPPLY LINE)	15.57	
		For >1,000, Deduct	*-0.78*	
50 89 83 20-0068	LF	CALTRANS 208003 1" GALVANIZED PIPE (SUPPLY LINE)	18.73	
		For >1,000, Deduct	*-0.94*	
50 89 83 20-0069	LF	CALTRANS 208004 1 1/4" GALVANIZED PIPE (SUPPLY LINE)	22.37	
		For >1,000, Deduct	*-1.12*	
50 89 83 20-0070	LF	CALTRANS 208005 1 1/2" GALVANIZED PIPE (SUPPLY LINE)	26.06	
		For >1,000, Deduct	*-1.30*	
50 89 83 20-0071	LF	CALTRANS 208006 2" GALVANIZED PIPE (SUPPLY LINE)	33.06	
		For >1,000, Deduct	*-1.65*	
50 89 83 20-0072	LF	CALTRANS 208007 2 1/2" GALVANIZED PIPE (SUPPLY LINE)	49.51	
		For >1,000, Deduct	*-2.48*	
50 89 83 20-0073	LF	CALTRANS 208008 3" GALVANIZED PIPE (SUPPLY LINE)	68.42	
		For >1,000, Deduct	*-3.42*	
50 89 83 20-0074	LF	CALTRANS 208009 4" GALVANIZED PIPE (SUPPLY LINE)	99.81	
		For >1,000, Deduct	*-4.99*	
50 89 83 20-0075	LF	CALTRANS 208026 2" SUPPLY LINE (BRIDGE)	55.06	
50 89 83 20-0076	LF	CALTRANS 208027 2 1/2" SUPPLY LINE (BRIDGE)	69.02	
50 89 83 20-0077	LF	CALTRANS 208028 3" SUPPLY LINE (BRIDGE)	85.42	
50 89 83 20-0078	LF	CALTRANS 208029 4" SUPPLY LINE (BRIDGE)	124.66	
50 89 83 20-0079	LF	CALTRANS 208030 6" SUPPLY LINE (BRIDGE)	313.14	
50 89 83 20-0080	LF	CALTRANS 208033 8" SUPPLY LINE (BRIDGE)	655.79	
50 89 83 20-0081	LF	CALTRANS 208042 2" GALVANIZED STEEL PIPE (SUPPLY LINE ON BRIDGE)	39.62	
50 89 83 20-0082	LF	CALTRANS 208043 2 1/2" GALVANIZED STEEL PIPE (SUPPLY LINE ON BRIDGE)	56.79	
50 89 83 20-0083	LF	CALTRANS 208044 3" GALVANIZED STEEL PIPE (SUPPLY LINE ON BRIDGE)	70.84	
50 89 83 20-0084	LF	CALTRANS 208046 4" GALVANIZED STEEL PIPE (SUPPLY LINE ON BRIDGE)	104.27	
50 89 83 20-0085	LF	CALTRANS 208220 1/2" DRIP IRRIGATION TUBING	2.53	
50 89 83 20-0086	LF	CALTRANS 208221 3/4" DRIP IRRIGATION TUBING	2.72	
50 89 83 20-0087	EA	CALTRANS 208301 IRRIGATION CONTROLLER ENCLOSURE CABINET	4,091.03	
50 89 83 20-0088	EA	CALTRANS 208422 3/4" BACKFLOW PREVENTER ASSEMBLY	2,154.69	
50 89 83 20-0089	EA	CALTRANS 208423 1" BACKFLOW PREVENTER ASSEMBLY	2,281.67	
50 89 83 20-0090	EA	CALTRANS 208424 1 1/4" BACKFLOW PREVENTER ASSEMBLY	3,010.11	
50 89 83 20-0091	EA	CALTRANS 208425 1 1/2" BACKFLOW PREVENTER ASSEMBLY	3,290.20	
50 89 83 20-0092	EA	CALTRANS 208426 2" BACKFLOW PREVENTER ASSEMBLY	4,363.26	
50 89 83 20-0093	EA	CALTRANS 208427 2 1/2" BACKFLOW PREVENTER ASSEMBLY	9,934.81	
50 89 83 20-0094	EA	CALTRANS 208428 3" BACKFLOW PREVENTER ASSEMBLY	11,522.70	
50 89 83 20-0095	EA	CALTRANS 208429 4" BACKFLOW PREVENTER ASSEMBLY	12,489.41	
50 89 83 20-0096	EA	CALTRANS 208440 BACKFLOW PREVENTER ENCLOSURE	2,996.82	
50 89 83 20-0097	EA	CALTRANS 208442 FLOW SENSOR	1,777.60	
50 89 83 20-0098	EA	CALTRANS 208447 POP-UP SPRINKLER ASSEMBLY (GEAR DRIVEN)	102.54	12.93
50 89 83 20-0099	EA	CALTRANS 208448 RISER SPRINKLER ASSEMBLY	60.67	12.93
50 89 83 20-0100	EA	CALTRANS 208449 POP-UP SPRINKLER ASSEMBLY	59.46	12.93
50 89 83 20-0101	EA	CALTRANS 208562 CAM COUPLER ASSEMBLY	452.53	
50 89 83 20-0102	EA	CALTRANS 208569 1/2" GATE VALVE	315.13	
50 89 83 20-0103	EA	CALTRANS 208570 3/4" GATE VALVE	334.48	
50 89 83 20-0104	EA	CALTRANS 208572 1" GATE VALVE	365.43	
50 89 83 20-0105	EA	CALTRANS 208573 1 1/4" GATE VALVE	402.85	
50 89 83 20-0106	EA	CALTRANS 208574 1 1/2" GATE VALVE	429.89	
50 89 83 20-0107	EA	CALTRANS 208575 2" GATE VALVE	489.61	
50 89 83 20-0108	EA	CALTRANS 208576 2 1/2" GATE VALVE	798.54	
50 89 83 20-0109	EA	CALTRANS 208588 3" GATE VALVE	1,419.11	
50 89 83 20-0110	EA	CALTRANS 208589 4" GATE VALVE	1,892.49	
50 89 83 20-0111	EA	CALTRANS 208590 6" GATE VALVE	2,747.26	
50 89 83 20-0112	EA	CALTRANS 208591 8" GATE VALVE	4,208.14	
50 89 83 20-0113	LF	CALTRANS 208593 1/2" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)	6.46	
		For >1,000, Deduct	*-0.32*	
		For Schedule 80, Add	*0.19*	
50 89 83 20-0114	LF	CALTRANS 208594 3/4" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)	6.65	
		For >1,000, Deduct	*-0.33*	
		For Schedule 80, Add	*0.24*	
50 89 83 20-0115	LF	CALTRANS 208595 1" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)	7.52	
		For >1,000, Deduct	*-0.38*	
		For Schedule 80, Add	*0.38*	
50 89 83 20-0116	LF	CALTRANS 208596 1 1/4" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)	8.88	
		For >1,000, Deduct	*-0.44*	
		For Schedule 80, Add	*0.57*	
50 89 83 20-0117	LF	CALTRANS 208597 1 1/2" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)	9.12	
		For >1,000, Deduct	*-0.46*	
		For Schedule 80, Add	*0.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 83 20-0118	LF	CALTRANS 208598 2" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)	10.77	
		For >1,000, Deduct	*-0.54*	
		For Schedule 80, Add	*1.29*	
50 89 83 20-0119	LF	CALTRANS 208599 2 1/2" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)	13.10	
		For >1,000, Deduct	*-0.66*	
		For Schedule 80, Add	*1.68*	
50 89 83 20-0120	LF	CALTRANS 208600 3" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)	16.94	
		For >1,000, Deduct	*-0.85*	
		For Schedule 80, Add	*2.35*	
50 89 83 20-0121	LF	CALTRANS 208601 4" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)	21.39	
		For >1,000, Deduct	*-1.07*	
		For Schedule 80, Add	*3.59*	
50 89 83 20-0122	LF	CALTRANS 208602 6" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)	29.69	
		For >1,000, Deduct	*-1.48*	
		For Schedule 80, Add	*8.00*	
50 89 83 20-0123	LF	CALTRANS 208603 8" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)	36.49	
		For >1,000, Deduct	*-1.82*	
		For Schedule 80, Add	*12.26*	
50 89 83 20-0124	LF	CALTRANS 208604 10" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)	77.59	
		For >1,000, Deduct	*-3.88*	
		For Schedule 80, Add	*38.12*	
50 89 83 20-0125	LF	CALTRANS 208605 2" PLASTIC PIPE (CLASS 315) (SUPPLY LINE)	11.44	
		For >1,000, Deduct	*-0.57*	
50 89 83 20-0126	LF	CALTRANS 208606 2 1/2" PLASTIC PIPE (CLASS 315) (SUPPLY LINE)	14.19	
		For >1,000, Deduct	*-0.71*	
50 89 83 20-0127	LF	CALTRANS 208607 3" PLASTIC PIPE (CLASS 315) (SUPPLY LINE)	16.94	
		For >1,000, Deduct	*-0.85*	
50 89 83 20-0128	LF	CALTRANS 208608 4" PLASTIC PIPE (CLASS 315) (SUPPLY LINE)	21.39	
		For >1,000, Deduct	*-1.07*	
50 89 83 20-0129	LF	CALTRANS 208609 6" PLASTIC PIPE (CLASS 315) (SUPPLY LINE)	30.18	
		For >1,000, Deduct	*-1.51*	
50 89 83 20-0130	EA	CALTRANS 208631 3/4" PRESSURE RELIEF VALVE	925.34	
50 89 83 20-0131	EA	CALTRANS 208632 1 1/2" PRESSURE RELIEF VALVE	1,347.97	
50 89 83 20-0132	EA	CALTRANS 208633 1" PRESSURE RELIEF VALVE	1,092.93	
50 89 83 20-0133	EA	CALTRANS 208634 2" PRESSURE RELIEF VALVE	1,520.53	
50 89 83 20-0134	EA	CALTRANS 208640 PRESSURE REGULATING VALVE (3/4")	291.91	
50 89 83 20-0135	EA	CALTRANS 208640 PRESSURE REGULATING VALVE (1")	385.18	
50 89 83 20-0136	EA	CALTRANS 208640 PRESSURE REGULATING VALVE (1-1/4")	662.74	
50 89 83 20-0137	EA	CALTRANS 208640 PRESSURE REGULATING VALVE (1-1/2")	900.22	
50 89 83 20-0138	EA	CALTRANS 208640 PRESSURE REGULATING VALVE (2")	1,289.50	
50 89 83 20-0139	EA	CALTRANS 208649 QUICK COUPLING VALVE	590.71	
50 89 83 20-0140	EA	CALTRANS 208670 1/2" CHECK VALVE	330.46	
50 89 83 20-0141	EA	CALTRANS 208670 3/4" CHECK VALVE	353.68	
50 89 83 20-0142	EA	CALTRANS 208670 1" CHECK VALVE	385.40	
50 89 83 20-0143	EA	CALTRANS 208670 1 1/4" CHECK VALVE	434.22	
50 89 83 20-0144	EA	CALTRANS 208670 1 1/2" CHECK VALVE	485.25	
50 89 83 20-0145	EA	CALTRANS 208670 2" CHECK VALVE	552.50	
50 89 83 20-0146	EA	CALTRANS 208670 2 1/2" CHECK VALVE	865.55	
50 89 83 20-0147	EA	CALTRANS 208670 3" CHECK VALVE	1,498.33	
50 89 83 20-0148	EA	CALTRANS 208670 4" CHECK VALVE	2,217.10	
50 89 83 20-0149	EA	CALTRANS 208670 6" CHECK VALVE	3,430.33	
50 89 83 20-0150	EA	CALTRANS 208670 8" CHECK VALVE	7,622.26	
50 89 83 20-0151	EA	CALTRANS 208683 1/2" BALL VALVE	296.65	
50 89 83 20-0152	EA	CALTRANS 208683 3/4" BALL VALVE	324.64	
50 89 83 20-0153	EA	CALTRANS 208683 1" BALL VALVE	336.23	
50 89 83 20-0154	EA	CALTRANS 208683 1 1/4" BALL VALVE	373.80	
50 89 83 20-0155	EA	CALTRANS 208683 1 1/2" BALL VALVE	394.18	
50 89 83 20-0156	EA	CALTRANS 208683 2" BALL VALVE	433.21	
50 89 83 20-0157	EA	CALTRANS 208683 2 1/2" BALL VALVE	482.48	
50 89 83 20-0158	LF	CALTRANS 208690 PVC PIPE CONDUIT (SLEEVE)	36.49	
		For >1,000, Deduct	*-1.82*	
50 89 83 20-0159	LF	CALTRANS 208702 8" ABS COMPOSITE PIPE CONDUIT	47.52	
		For >1,000, Deduct	*-2.38*	
50 89 83 20-0160	LF	CALTRANS 208703 10" ABS COMPOSITE PIPE CONDUIT	68.21	
		For >1,000, Deduct	*-3.41*	
50 89 83 20-0161	LF	CALTRANS 208738 8" CORRUGATED HIGH DENSITY POLYETHYLENE PIPE CONDUIT	28.31	
50 89 83 20-0162	LF	CALTRANS 208739 10" CORRUGATED HIGH DENSITY POLYETHYLENE PIPE CONDUIT	36.27	
50 89 83 20-0163	LF	CALTRANS 208740 12" CORRUGATED HIGH DENSITY POLYETHYLENE PIPE CONDUIT	42.05	
50 89 83 20-0164	LF	CALTRANS 208756 6" CORRUGATED STEEL PIPE CONDUIT (.064" THICK)	29.83	
50 89 83 20-0165	LF	CALTRANS 208758 8" CORRUGATED STEEL PIPE CONDUIT (.064" THICK)	37.10	
50 89 83 20-0166	LF	CALTRANS 208760 10" CORRUGATED STEEL PIPE CONDUIT (.064" THICK)	45.95	
50 89 83 20-0167	LF	CALTRANS 208762 12" CORRUGATED STEEL PIPE CONDUIT (.064" THICK)	51.32	
50 89 83 20-0168	LF	CALTRANS 208813 1 1/4" WELDED STEEL PIPE CONDUIT	27.05	
		For >1,000, Deduct	*-1.35*	
50 89 83 20-0169	LF	CALTRANS 208814 1 1/2" WELDED STEEL PIPE CONDUIT	31.95	
		For >1,000, Deduct	*-1.60*	
50 89 83 20-0170	LF	CALTRANS 208815 2" WELDED STEEL PIPE CONDUIT	36.96	
		For >1,000, Deduct	*-1.85*	
50 89 83 20-0171	LF	CALTRANS 208816 3" WELDED STEEL PIPE CONDUIT	52.08	
		For >1,000, Deduct	*-2.60*	
50 89 83 20-0172	LF	CALTRANS 208817 4" WELDED STEEL PIPE CONDUIT	71.99	
		For >1,000, Deduct	*-3.60*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 83 20-0173	LF	CALTRANS 208818 6" WELDED STEEL PIPE CONDUIT	104.89	
		For >1,000, Deduct	*-5.24*	
50 89 83 20-0174	LF	CALTRANS 208819 8" WELDED STEEL PIPE CONDUIT	151.20	
		For >1,000, Deduct	*-7.56*	
50 89 83 20-0175	LF	CALTRANS 208820 10" WELDED STEEL PIPE CONDUIT	201.72	
		For >1,000, Deduct	*-10.09*	
50 89 83 20-0176	LF	CALTRANS 208821 12" WELDED STEEL PIPE CONDUIT	258.49	
		For >1,000, Deduct	*-12.92*	
50 89 83 21		**EROSION CONTROL** *(50 89 83)*		
		Note: Includes applying permanent erosion control measures to the soil surface per CALTRAN Standard.		
50 89 83 21-0001	EA	CALTRANS 210010 MOVE-IN/MOVE-OUT (EROSION CONTROL)	407.86	
50 89 83 21-0002	CY	CALTRANS 210110 IMPORTED TOPSOIL (CY)	46.65	
50 89 83 21-0003	TON	CALTRANS 210111 IMPORTED TOPSOIL (TON)	58.30	
50 89 83 21-0004	SF	CALTRANS 210212 DRY SEED (SQFT)	0.12	
50 89 83 21-0005	ACR	CALTRANS 210213 DRY SEED (ACRE)	5,100.94	
		For >5 To 20, Deduct	*-363.51*	
		For >20 To 45, Deduct	*-707.95*	
		For >45, Deduct	*-1,160.85*	
50 89 83 21-0006	SY	CALTRANS 210222 DRILL SEED (SQYD)	0.38	
50 89 83 21-0007	ACR	CALTRANS 210223 DRILL SEED (ACRE)	1,853.33	
50 89 83 21-0008	SF	CALTRANS 210252 BONDED FIBER MATRIX (SQFT)	0.11	
50 89 83 21-0009	ACR	CALTRANS 210253 BONDED FIBER MATRIX (ACRE)	4,514.11	
50 89 83 21-0010	SF	CALTRANS 210260 ROLLED EROSION CONTROL PRODUCT (JUTE MESH)	0.55	
50 89 83 21-0011	SF	CALTRANS 210270 ROLLED EROSION CONTROL PRODUCT (NETTING)	1.86	
50 89 83 21-0012	SF	CALTRANS 210280 ROLLED EROSION CONTROL PRODUCT (BLANKET)	0.60	
50 89 83 21-0013	SF	CALTRANS 210290 ROLLED EROSION CONTROL PRODUCT (TRM)	1.70	
50 89 83 21-0014	SF	CALTRANS 210300 HYDROMULCH	0.11	
50 89 83 21-0015	LF	CALTRANS 210350 FIBER ROLL	9.46	
		Note: 12" Diameter, Type 1		
		For >1,000 To 10,000, Deduct	*-1.05*	
		For >10,000, Deduct	*-1.78*	
		For 9" Diameter, Deduct	*-1.19*	
50 89 83 21-0016	LF	CALTRANS 210350 FIBER ROLL	7.45	
		Note: 12" Diameter, Type 2		
		For >1,000 To 10,000, Deduct	*-0.75*	
		For >10,000, Deduct	*-1.28*	
		For 9" Diameter, Deduct	*-1.19*	
50 89 83 21-0017	LF	CALTRANS 210360 COMPOST SOCK	12.01	
50 89 83 21-0018	SF	CALTRANS 210420 STRAW	0.17	
50 89 83 21-0019	SF	CALTRANS 210430 HYDROSEED	0.11	
50 89 83 21-0020	CY	CALTRANS 210610 COMPOST (CY)	98.99	
		For >100 To 1,000, Deduct	*-16.64*	
		For >1,000, Deduct	*-25.49*	
50 89 83 21-0021	SF	CALTRANS 210630 INCORPORATE MATERIALS	0.06	
50 89 84		**CALTRANS DIVISION IV - SUBBASES AND BASES** *(50 89 80)*		
50 89 84 24		**STABILIZED SOILS** *(50 89 84)*		
50 89 84 24-0001	SY	CALTRANS 240105 LIME STABILIZED SOIL	13.10	
		For 4% Lime Instead Of 5%, Deduct	*-0.38*	
		For 6% Lime Instead Of 5%, Add	*0.38*	
50 89 84 24-0002	SY	CALTRANS 240300 CEMENT STABILIZED SOIL	12.29	
50 89 84 25		**AGGREGATE SUBBASES** *(50 89 84)*		
		Note: Includes aggregate, placing aggregate subbase, water, geosynthetic materials, spreading, compacting per CALTRAN Standard.		
50 89 84 25-0001	CY	CALTRANS 250101 CLASS 1 AGGREGATE SUBBASE	116.79	
50 89 84 25-0002	CY	CALTRANS 250201 CLASS 2 AGGREGATE SUBBASE	105.29	
50 89 84 25-0003	CY	CALTRANS 250301 CLASS 3 AGGREGATE SUBBASE	101.14	
50 89 84 25-0004	CY	CALTRANS 250401 CLASS 4 AGGREGATE SUBBASE	101.09	
50 89 84 25-0005	CY	CALTRANS 250501 CLASS 5 AGGREGATE SUBBASE	101.04	
50 89 84 26		**AGGREGATE BASES** *(50 89 84)*		
		Note: Includes aggregate, placing aggregate, water, geosynthetic materials, spreading, compacting per CALTRAN Standard.		
50 89 84 26-0001	CY	CALTRANS 260200 AGGREGATE BASE	115.19	
		For Recycled Aggregate Base, Deduct	*-7.37*	
50 89 84 26-0002	TON	CALTRANS 260202 CLASS 2 AGGREGATE BASE (TON)	105.70	
50 89 84 26-0003	CY	CALTRANS 260203 CLASS 2 AGGREGATE BASE (CY)	105.29	
50 89 84 26-0004	TON	CALTRANS 260302 CLASS 3 AGGREGATE BASE (TON)	100.04	
50 89 84 26-0005	CY	CALTRANS 260303 CLASS 3 AGGREGATE BASE (CY)	101.14	
50 89 84 27		**CEMENT TREATED BASES** *(50 89 84)*		
		Note: Includes aggregate, Type II portland cement, mixing, placing cement treated base, spreading, compaction, contact joints and curing per CALTRAN Standard.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 84 27-0001	TON	CALTRANS 270002 CEMENT TREATED BASE (ROAD-MIXED, CLASS A) (TON)	53.19	
		For Up To 500, Add	*15.65*	
		For >500 To 1,000, Add	*5.32*	
		For >5,000 To 10,000, Deduct	*-2.02*	
		For >10,000, Deduct	*-3.46*	
50 89 84 27-0002	CY	CALTRANS 270003 CEMENT TREATED BASE (ROAD-MIXED, CLASS A) (CY)	71.86	
		For Up To 500, Add	*21.16*	
		For >500 To 1,000, Add	*7.19*	
		For >5,000 To 10,000, Deduct	*-2.73*	
		For >10,000, Deduct	*-4.67*	
50 89 84 27-0003	TON	CALTRANS 270013 CEMENT TREATED BASE (PLANT-MIXED, CLASS A) (TON)	43.47	
		For Up To 500, Add	*12.74*	
		For >500 To 1,000, Add	*4.35*	
		For >5,000 To 10,000, Deduct	*-1.65*	
		For >10,000, Deduct	*-2.83*	
50 89 84 27-0004	CY	CALTRANS 270014 CEMENT TREATED BASE (PLANT-MIXED, CLASS A) (CY)	62.12	
		For Up To 500, Add	*18.24*	
		For >500 To 1,000, Add	*6.21*	
		For >5,000 To 10,000, Deduct	*-2.36*	
		For >10,000, Deduct	*-4.04*	

50 89 84 28 CONCRETE BASES *(50 89 84)*

Note: Includes constructing concrete bases and placing concrete per CALTRAN Standard.

50 89 84 28-0001	CY	CALTRANS 280001 CONCRETE BASE	264.86	

50 89 84 29 TREATED PERMEABLE BASES *(50 89 84)*

Note: Includes constructing treated permeable bases, spreading, and placement per CALTRAN Standard.

50 89 84 29-0001	CY	CALTRANS 290301 CEMENT TREATED PERMEABLE BASE	1,026.43	
		For >5,000 To 30,000, Deduct	*-109.71*	
		For >30,000 To 100,000, Deduct	*-200.83*	
		For >100,000, Deduct	*-249.40*	

50 89 84 30 RECLAIMED PAVEMENT *(50 89 84)*

Note: Includes constructing reclaimed pavement bases, surface preparation, grading, compaction, finishing and placement per CALTRAN Standard.

50 89 84 30-0001	SF	CALTRANS 300100 FULL DEPTH RECLAMATION-FOAMED ASPHALT	24.55	
50 89 84 30-0002	SY	CALTRANS 303000 PULVERIZED ROADBED	5.29	

50 89 85 CALTRANS DIVISION V - SURFACINGS AND PAVEMENTS *(50 89 80)*

50 89 85 37 BITUMINOUS SEALS *(50 89 85)*

Note: Includes applying bituminous seals, surface preparation, placement, spreading, finishing and seal coat per CALTRAN Standard.

50 89 85 37-0001	SY	CALTRANS 370001 SAND COVER (SEAL)	1.45	
50 89 85 37-0002	SY	CALTRANS 374002 ASPHALTIC EMULSION (FOG SEAL COAT)	0.89	
50 89 85 37-0003	LNMI	CALTRANS 374207 CRACK TREATMENT	6,797.71	
50 89 85 37-0004	SY	CALTRANS 374491 NON-POLYMER ASPHALTIC EMULSION (SEAL COAT)	4.94	
50 89 85 37-0005	SY	CALTRANS 374493 POLYMER ASPHALTIC EMULSION (SEAL COAT)	10.26	
50 89 85 37-0006	TON	CALTRANS 375001 SCREENINGS	82.34	
		For Up To 14, Add	*22.59*	
		For >14 To 35, Add	*8.23*	
50 89 85 37-0007	SY	CALTRANS 375009 TACK COAT (SEAL)	1.05	
		For Up To 150, Add	*0.23*	
		For >150 To 300, Add	*0.11*	
		For >300 To 500, Add	*0.05*	
		For >3,500 To 5,000, Deduct	*-0.03*	
		For >5,000, Deduct	*-0.07*	
50 89 85 37-0008	SY	CALTRANS 377501 SLURRY SEAL (TYPE I) Note: 1/8" thick.	3.11	
		For Each 0.5% Of Latex Addition, Add	*0.32*	
50 89 85 37-0009	SY	CALTRANS 377501 SLURRY SEAL (TYPE II) Note: 1/4" thick, 14 to 18 Lb/SY.	4.12	
		For Each 0.5% Of Latex Addition, Add	*0.47*	
50 89 85 37-0010	SY	CALTRANS 377501 SLURRY SEAL (TYPE III) Note: 3/8" thick, 25 to 30 Lb/SY.	5.35	
		For Each 0.5% Of Latex Addition, Add	*0.76*	
50 89 85 37-0011	SY	CALTRANS 378000 MICRO-SURFACING	11.03	

50 89 85 39 ASPHALT CONCRETE *(50 89 85)*

Note: Includes hot mix asphalt, preparation, placement, finishing, compaction and testing per CALTRAN Standard.

50 89 85 39-0001	TON	CALTRANS 390100 PRIME COAT	1,418.06	
50 89 85 39-0002	TON	CALTRANS 390132 HOT MIX ASPHALT (TYPE A) (Up To 25)	193.05	
50 89 85 39-0003	TON	CALTRANS 390132 HOT MIX ASPHALT (TYPE A) (>25 To 100)	182.38	
50 89 85 39-0004	TON	CALTRANS 390132 HOT MIX ASPHALT (TYPE A) (>100-250)	165.62	
50 89 85 39-0005	TON	CALTRANS 390132 HOT MIX ASPHALT (TYPE A) (>250)	157.34	
50 89 85 39-0006	TON	CALTRANS 390135 HOT MIX ASPHALT (LEVELING) (UP TO 25)	309.72	
50 89 85 39-0007	TON	CALTRANS 390135 HOT MIX ASPHALT (LEVELING) (>25 - 100)	271.39	
50 89 85 39-0008	TON	CALTRANS 390135 HOT MIX ASPHALT (LEVELING) (>100 - 250)	233.02	
50 89 85 39-0009	TON	CALTRANS 390135 HOT MIX ASPHALT (LEVELING) (>250)	197.87	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 85 39-0010	TON	CALTRANS 390136 MINOR HOT MIX ASPHALT (UP TO 25)	318.39	
50 89 85 39-0011	TON	CALTRANS 390137 RUBBERIZED HOT MIX ASPHALT (GAP GRADED) Note: Includes placement, rolling, finishing and sweeping.	196.08	
50 89 85 39-0012	SY	CALTRANS 393004 GEOSYNTHETIC PAVEMENT INTERLAYER (PAVING FABRIC) Note: 4.1 Oz/SY, 100# 1-Inch Grab Tensile, Non-woven Polypropylene	2.12	
		For Up To 50, Add	*0.47*	
		For >50 To 150, Add	*0.35*	
		For >150 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.11*	
50 89 85 39-0013	LF	CALTRANS 394072 PLACE HOT MIX ASPHALT DIKE (TYPE B)	10.59	
50 89 85 39-0014	LF	CALTRANS 394073 PLACE HOT MIX ASPHALT DIKE (TYPE A)	7.73	
50 89 85 39-0015	LF	CALTRANS 394074 PLACE HOT MIX ASPHALT DIKE (TYPE C)	4.09	
50 89 85 39-0016	LF	CALTRANS 394075 PLACE HOT MIX ASPHALT DIKE (TYPE D)	16.97	
50 89 85 39-0017	LF	CALTRANS 394076 PLACE HOT MIX ASPHALT DIKE (TYPE E)	10.98	
50 89 85 39-0018	LF	CALTRANS 394077 PLACE HOT MIX ASPHALT DIKE (TYPE F)	5.99	
50 89 85 39-0019	SY	CALTRANS 394090 PLACE HOT MIX ASPHALT (MISCELLANEOUS AREA) Up To 2"	18.38	
		For Up To 500, Add	*2.84*	
		For >500 To 1,000, Add	*1.61*	
		For >5,000 To 10,000, Deduct	*-0.75*	
		For >10,000 To 24,000, Deduct	*-1.38*	
		For >24,000 To 48,000, Deduct	*-2.13*	
		For >48,000, Deduct	*-3.06*	
50 89 85 39-0020	SY	CALTRANS 394090 PLACE HOT MIX ASPHALT (MISCELLANEOUS AREA) >2" To 3"	25.73	
		For Up To 300, Add	*3.74*	
		For >300 To 600, Add	*3.06*	
		For >3,000 To 6,000, Deduct	*-1.09*	
		For >6,000 To 16,000, Deduct	*-1.99*	
		For >16,000 To 32,000, Deduct	*-3.08*	
		For >32,000, Deduct	*-4.43*	
50 89 85 39-0021	SY	CALTRANS 394090 PLACE HOT MIX ASPHALT (MISCELLANEOUS AREA) >3" To 4"	35.08	
		For Up To 250, Add	*4.76*	
		For >250 To 500, Add	*2.62*	
		For >2,500 To 5,000, Deduct	*-1.55*	
		For >5,000 To 12,000, Deduct	*-2.81*	
		For >12,000 To 24,000, Deduct	*-4.36*	
		For >24,000, Deduct	*-6.25*	
50 89 85 39-0022	SY	CALTRANS 394090 PLACE HOT MIX ASPHALT (MISCELLANEOUS AREA) >4" To 6"	52.61	
		For Up To 160, Add	*7.13*	
		For >160 To 320, Add	*3.93*	
		For >1,600 To 3,200, Deduct	*-2.32*	
		For >3,200 To 8,000, Deduct	*-4.21*	
		For >8,000 To 16,000, Deduct	*-6.53*	
		For >16,000, Deduct	*-9.38*	
50 89 85 39-0023	TON	CALTRANS 395020 RUBBERIZED HOT MIX ASPHALT-GAP GRADED (BONDED WEARING COURSE)	196.08	
50 89 85 39-0024	TON	CALTRANS 397005 TACK COAT	857.78	
50 89 85 39-0025	SF	CALTRANS 398000 REMOVE ASPHALT CONCRETE PAVEMENT (CY)	205.73	
		For >500 To 1,000, Deduct	*-20.57*	
		For >1,000 To 2,500, Deduct	*-37.03*	
		For >2,500 To 5,000, Deduct	*-53.49*	
		For >5,000 To 10,000, Deduct	*-69.95*	
		For >10,000, Deduct	*-86.41*	
50 89 85 39-0026	SF	CALTRANS 398001 REMOVE ASPHALT CONCRETE PAVEMENT (SQFT)	3.49	
		For >500 To 1,000, Deduct	*-0.35*	
		For >1,000 To 2,500, Deduct	*-0.63*	
		For >2,500 To 5,000, Deduct	*-0.91*	
		For >5,000 To 10,000, Deduct	*-1.19*	
		For >10,000, Deduct	*-1.47*	
50 89 85 39-0027	LF	CALTRANS 398100 REMOVE ASPHALT CONCRETE DIKE	6.00	
50 89 85 39-0028	SY	CALTRANS 398200 COLD PLANE ASPHALT CONCRETE PAVEMENT (Up To 3")	4.75	
		For Up To 2,500, Add	*3.56*	
		For >2,500 To 5,000, Add	*1.19*	
		For >10,000 To 25,000, Deduct	*-0.48*	
		For >25,000, Deduct	*-0.71*	
50 89 85 39-0029	SY	CALTRANS 398200 COLD PLANE ASPHALT CONCRETE PAVEMENT (>3" To 6")	6.32	
		For Up To 2,500, Add	*4.74*	
		For >2,500 To 5,000, Add	*1.58*	
		For >10,000 To 25,000, Deduct	*-0.63*	
		For >25,000, Deduct	*-0.95*	

50 89 85 40 CONCRETE PAVEMENT *(50 89 85)*

Note: Includes concrete pavement, reinforing, placement, finishing, compaction and testing per CALTRAN Standard.

50 89 85 40-0001	CY	CALTRANS 400050 CONTINUOUSLY REINFORCED CONCRETE PAVEMENT	411.18	
		For >1,000 To 5,000, Deduct	*-19.52*	
		For >5,000, Deduct	*-49.84*	
50 89 85 40-0002	CY	CALTRANS 401050 JOINTED PLAIN CONCRETE PAVEMENT	392.67	
		For >1,000 To 5,000, Deduct	*-19.52*	
		For >5,000, Deduct	*-48.92*	

50 89 85 41 EXISTING CONCRETE PAVEMENT *(50 89 85)*

Note: Includes work on existing concrete pavement, placement and finishing per CALTRAN Standard.

50 89 85 41-0001	EA	CALTRANS 410096 DRILL AND BOND (DOWEL BAR)	28.18	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 85 41-0002	SY	CALTRANS 410121 SPALL REPAIR (FAST-SETTING CONCRETE)	427.70	
		For Up To 100, Add	*585.08*	
		For >100 To 250, Add	*292.54*	
50 89 85 41-0003	LF	CALTRANS 414220 REPLACE JOINT SEAL (ASPHALT RUBBER)	9.79	
50 89 85 41-0004	LF	CALTRANS 414221 REPLACE JOINT SEAL (SILICONE)	9.41	
50 89 85 41-0005	LF	CALTRANS 414222 REPLACE JOINT SEAL (PREFORMED COMPRESSION, 7/16" TO 13/16")	16.82	
50 89 85 41-0006	LF	CALTRANS 414223 REPLACE JOINT SEAL (PREFORMED COMPRESSION, 1" TO 1-1/4")	19.90	
50 89 85 41-0007	LF	CALTRANS 414224 REPLACE JOINT SEAL (PREFORMED COMPRESSION, 1-5/8" TO 2")	39.31	
50 89 85 41-0008	LF	CALTRANS 414241 ISOLATION JOINT SEAL (SILICONE)	13.79	
50 89 85 41-0009	LF	CALTRANS 414242 ISOLATION JOINT SEAL (PREFORMED COMPRESSION)	14.89	
50 89 85 41-0010	SY	CALTRANS 416101 PAVEMENT TRANSITION TAPER	65.13	
		For Up To 100, Add	*25.80*	
		For >100 To 250, Add	*14.56*	
		For >250 To 500, Add	*7.28*	
		For >1,000 To 2,000, Deduct	*-1.66*	
		For >2,000 To 5,000, Deduct	*-3.29*	
		For >5,000 To 10,000, Deduct	*-4.92*	
		For >10,000 To 20,000, Deduct	*-6.54*	
		For >20,000, Deduct	*-8.17*	
50 89 85 41-0011	CY	CALTRANS 418002 REMOVE CONCRETE PAVEMENT AND BASE	52.82	
50 89 85 41-0012	SY	CALTRANS 418005 REMOVE CONCRETE PAVEMENT (SQYD)	24.94	
		For >500 To 1,000, Deduct	*-2.49*	
		For >1,000 To 2,500, Deduct	*-4.49*	
		For >2,500 To 5,000, Deduct	*-6.48*	
		For >5,000 To 10,000, Deduct	*-8.48*	
		For >10,000, Deduct	*-10.47*	

50 89 85 42 GROOVE AND GRIND CONCRETE *(50 89 85)*

Note: Includes grooving and grinding concrete roadway surfaces per CALTRAN Standard.

50 89 85 42-0001	SY	CALTRANS 420102 GROOVE EXISTING CONCRETE PAVEMENT	1.82	
50 89 85 42-0002	SY	CALTRANS 420104 GROOVE EXISTING BRIDGE DECK	2.72	
50 89 85 42-0003	SY	CALTRANS 420201 GRIND EXISTING CONCRETE PAVEMENT	4.75	
		For Up To 2,500, Add	*3.56*	
		For >2,500 To 5,000, Add	*1.19*	
		For >10,000 To 25,000, Deduct	*-0.48*	
		For >25,000, Deduct	*-0.71*	
50 89 85 42-0004	SY	CALTRANS 420203 GRIND EXISTING BRIDGE DECK	29.99	
		For >100 To 1,000, Deduct	*-15.00*	
		For >1,000, Deduct	*-22.49*	

50 89 86 CALTRANS DIVISION VI - STRUCTURES *(50 89 80)*

50 89 86 47 EARTH RETAINING SYSTEMS *(50 89 86)*

50 89 86 47-0001	SF	CALTRANS 475010 RETAINING WALL (MASONRY WALL)	68.42	8.83
		For >3:1 Sloped Soil At Top, Add	*4.32*	

50 89 86 56 OVERHEAD SIGN STRUCTURES, STANDARDS, AND POLES *(50 89 86)*

50 89 86 56-0001	SF	CALTRANS 560248 FURNISH SINGLE SHEET ALUMINUM SIGN (0.063"-UNFRAMED)	18.66	27.40

50 89 86 60 EXISTING STRUCTURES *(50 89 86)*

50 89 86 60-0001	LF	CALTRANS 600063 CORE CONCRETE (1")	135.72	
		For Horizontal Cores, Add	*26.82*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*53.64*	
50 89 86 60-0002	LF	CALTRANS 600064 CORE CONCRETE (2")	167.17	
		For Horizontal Cores, Add	*33.11*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*66.22*	
50 89 86 60-0003	LF	CALTRANS 600065 CORE CONCRETE (3")	183.52	
		For Horizontal Cores, Add	*36.25*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*72.51*	
50 89 86 60-0004	LF	CALTRANS 600066 CORE CONCRETE (4")	244.62	
		For Horizontal Cores, Add	*48.34*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*96.68*	
50 89 86 60-0005	LF	CALTRANS 600067 CORE CONCRETE (5")	281.70	
		For Horizontal Cores, Add	*55.62*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*111.24*	
50 89 86 60-0006	LF	CALTRANS 600068 CORE CONCRETE (6")	318.12	
		For Horizontal Cores, Add	*62.91*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*125.81*	
50 89 86 60-0007	LF	CALTRANS 600069 CORE CONCRETE (7")	416.27	
		For Horizontal Cores, Add	*82.28*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*164.55*	
50 89 86 60-0008	LF	CALTRANS 600070 CORE CONCRETE (8")	513.11	
		For Horizontal Cores, Add	*101.64*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*203.29*	
50 89 86 60-0009	LF	CALTRANS 600071 CORE CONCRETE (9")	59.24	
		For Horizontal Cores, Add	*10.54*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*21.09*	
50 89 86 60-0010	LF	CALTRANS 600072 CORE CONCRETE (10")	552.81	
		For Horizontal Cores, Add	*109.26*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*218.52*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 86 60-0011		LF	CALTRANS 600074 CORE CONCRETE (12")	636.89	
			For Horizontal Cores, Add	*125.81*	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*251.63*	
50 89 86 60-0012		LF	CALTRANS 600081 CORE CONCRETE (1 1/2")	150.62	
			For Horizontal Cores, Add	*29.80*	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*59.60*	
50 89 86 60-0013		LF	CALTRANS 600083 CORE CONCRETE (2 1/2")	175.66	
			For Horizontal Cores, Add	*34.68*	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*69.36*	

50 89 87 CALTRANS DIVISION VII - DRAINAGE FACILITIES *(50 89 80)*

50 89 87 64 PLASTIC PIPE *(50 89 87)*

Note: Includes installing plastic pipe, excavation, backfill, compaction, connection of new pipe to new or existing facilities, reinforcement, concrete collars or tees, testing, and other connecting devices per CALTRAN Standard.

50 89 87 64-0001		LF	CALTRANS 641101 12" PLASTIC PIPE	57.23	
			Note: Includes 0.37 CY of excavated material per LF of pipe.		
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 64-0002		LF	CALTRANS 641104 15" PLASTIC PIPE	72.01	
			Note: Includes 0.53 CY of excavated material per LF of pipe.		
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 64-0003		LF	CALTRANS 641107 18" PLASTIC PIPE	91.76	
			Note: Includes 0.64 CY of excavated material per LF of pipe.		
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 64-0004		LF	CALTRANS 641110 21" PLASTIC PIPE	108.92	
			Note: Includes 0.80 CY of excavated material per LF of pipe.		
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 64-0005		LF	CALTRANS 641113 24" PLASTIC PIPE	127.50	
			Note: Includes 0.89 CY of excavated material per LF of pipe.		
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 64-0006		LF	CALTRANS 641119 30" PLASTIC PIPE	185.21	
			Note: Includes 1.08 CY of excavated material per LF of pipe.		
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 64-0007		LF	CALTRANS 641125 36" PLASTIC PIPE	225.82	
			Note: Includes 1.30 CY of excavated material per LF of pipe.		
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 64-0008		LF	CALTRANS 641128 42" PLASTIC PIPE	331.79	
			Note: Includes 1.53 CY of excavated material per LF of pipe.		
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 64-0009		LF	CALTRANS 641131 48" PLASTIC PIPE	403.51	
			Note: Includes 1.78 CY of excavated material per LF of pipe.		
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	

50 89 87 65 CONCRETE PIPE *(50 89 87)*

Note: Includes installing concrete pipe, excavation, backfill, compaction, connection of new pipe to new or existing facilities, reinforcement, concrete collars or tees, testing, and other connecting devices per CALTRAN Standard.

50 89 87 65-0001		LF	CALTRANS 650010 12" REINFORCED CONCRETE PIPE	67.31	
			Note: Includes 0.37 CY of excavated material per LF of pipe.		
			For >1,000, Deduct	*-3.37*	
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 65-0002		LF	CALTRANS 650012 15" REINFORCED CONCRETE PIPE	83.48	
			Note: Includes 0.53 CY of excavated material per LF of pipe.		
			For >1,000, Deduct	*-4.17*	
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 65-0003		LF	CALTRANS 650014 18" REINFORCED CONCRETE PIPE	95.95	
			Note: Includes 0.64 CY of excavated material per LF of pipe.		
			For >1,000, Deduct	*-4.80*	
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 65-0004		LF	CALTRANS 650016 21" REINFORCED CONCRETE PIPE	123.25	
			Note: Includes 0.80 CY of excavated material per LF of pipe.		
			For >1,000, Deduct	*-6.16*	
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 65-0005		LF	CALTRANS 650018 24" REINFORCED CONCRETE PIPE	142.70	
			Note: Includes 0.89 CY of excavated material per LF of pipe.		
			For >1,000, Deduct	*-7.14*	
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 65-0006	LF	CALTRANS 650019 27" REINFORCED CONCRETE PIPE	175.66	
		Note: Includes 0.98 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-8.78*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 65-0007	LF	CALTRANS 650022 30" REINFORCED CONCRETE PIPE	187.73	
		Note: Includes 1.08 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-9.39*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 65-0008	LF	CALTRANS 650024 33" REINFORCED CONCRETE PIPE	209.16	
		Note: Includes 1.19 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-10.46*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 65-0009	LF	CALTRANS 650026 36" REINFORCED CONCRETE PIPE	230.40	
		Note: Includes 1.30 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-11.52*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 65-0010	LF	CALTRANS 650030 42" REINFORCED CONCRETE PIPE	295.11	
		Note: Includes 1.53 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-14.76*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 65-0011	LF	CALTRANS 650034 48" REINFORCED CONCRETE PIPE	353.06	
		Note: Includes 1.78 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-17.65*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 65-0012	LF	CALTRANS 650038 54" REINFORCED CONCRETE PIPE	433.13	
		Note: Includes 2.05 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-21.66*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 65-0013	LF	CALTRANS 650042 60" REINFORCED CONCRETE PIPE	519.25	
		Note: Includes 2.33 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-25.96*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 65-0014	LF	CALTRANS 650046 66" REINFORCED CONCRETE PIPE	765.07	
		Note: Includes 2.64 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-38.25*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 65-0015	LF	CALTRANS 650050 72" REINFORCED CONCRETE PIPE	887.12	
		Note: Includes 2.96 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-44.36*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 65-0016	LF	CALTRANS 650054 78" REINFORCED CONCRETE PIPE	1,057.65	
		Note: Includes 3.31 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-52.88*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 65-0017	LF	CALTRANS 650058 84" REINFORCED CONCRETE PIPE	1,342.09	
		Note: Includes 3.67 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-67.10*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 65-0018	LF	CALTRANS 650065 96" REINFORCED CONCRETE PIPE	1,633.79	
		Note: Includes 4.44 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-81.69*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 65-0019	LF	CALTRANS 650211 18" REINFORCED CONCRETE PIPE (CLASS II)	94.00	
		Note: Includes 0.64 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-4.70*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 65-0020	LF	CALTRANS 650220 30" REINFORCED CONCRETE PIPE (CLASS II)	183.84	
		Note: Includes 1.08 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-9.19*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 65-0021	LF	CALTRANS 650222 33" REINFORCED CONCRETE PIPE (CLASS II)	204.57	
		Note: Includes 1.19 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-10.23*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 65-0022	LF	CALTRANS 650224 36" REINFORCED CONCRETE PIPE (CLASS II)	225.12	
		Note: Includes 1.30 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-11.26*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 65-0023	LF	CALTRANS 650307 12" REINFORCED CONCRETE PIPE (CLASS III)	67.31	
		Note: Includes 0.37 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-3.37*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 65-0024	LF	CALTRANS 650309 15" REINFORCED CONCRETE PIPE (CLASS III)	83.48	
		Note: Includes 0.53 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-4.17*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 65-0025	LF	CALTRANS 650311 18" REINFORCED CONCRETE PIPE (CLASS III)	95.95	
		Note: Includes 0.64 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-4.80*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 65-0026	LF	CALTRANS 650316 24" REINFORCED CONCRETE PIPE (CLASS III)	142.70	
		Note: Includes 0.89 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-7.14*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 65-0027	LF	CALTRANS 650318 27" REINFORCED CONCRETE PIPE (CLASS III)	175.66	
		Note: Includes 0.98 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-8.78*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 65-0028	LF	CALTRANS 650320 30" REINFORCED CONCRETE PIPE (CLASS III)	187.73	
		Note: Includes 1.08 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-9.39*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 65-0029	LF	CALTRANS 650324 36" REINFORCED CONCRETE PIPE (CLASS III)	230.40	
		Note: Includes 1.30 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-11.52*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 65-0030	LF	CALTRANS 650328 42" REINFORCED CONCRETE PIPE (CLASS III)	295.11	
		Note: Includes 1.53 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-14.76*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 65-0031	LF	CALTRANS 650336 54" REINFORCED CONCRETE PIPE (CLASS III)	433.13	
		Note: Includes 2.05 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-21.66*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 65-0032	LF	CALTRANS 650407 12" REINFORCED CONCRETE PIPE (CLASS IV)	70.05	
		Note: Includes 0.37 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-3.50*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 65-0033	LF	CALTRANS 650409 15" REINFORCED CONCRETE PIPE (CLASS IV)	86.98	
		Note: Includes 0.53 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-4.35*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 65-0034	LF	CALTRANS 650411 18" REINFORCED CONCRETE PIPE (CLASS IV)	99.63	
		Note: Includes 0.64 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-4.98*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 65-0035	LF	CALTRANS 650416 24" REINFORCED CONCRETE PIPE (CLASS IV)	148.12	
		Note: Includes 0.89 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-7.41*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 65-0036	LF	CALTRANS 650420 30" REINFORCED CONCRETE PIPE (CLASS IV)	195.14	
		Note: Includes 1.08 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-9.76*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 65-0037	LF	CALTRANS 650424 36" REINFORCED CONCRETE PIPE (CLASS IV)	240.45	
		Note: Includes 1.30 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-12.02*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 65-0038	LF	CALTRANS 650432 48" REINFORCED CONCRETE PIPE (CLASS IV)	371.08	
		Note: Includes 1.78 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-18.55*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 65-0039	LF	CALTRANS 650436 54" REINFORCED CONCRETE PIPE (CLASS IV)	456.53	
		Note: Includes 2.05 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-22.83*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 65-0040	LF	CALTRANS 650440 60" REINFORCED CONCRETE PIPE (CLASS IV)	548.03	
		Note: Includes 2.33 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-27.40*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 65-0041	LF	CALTRANS 650507 12" REINFORCED CONCRETE PIPE (CLASS V)	73.08	
		Note: Includes 0.37 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-3.65*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 65-0042	LF	CALTRANS 650511 18" REINFORCED CONCRETE PIPE (CLASS V)	103.71	
		Note: Includes 0.64 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-5.19*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 65-0043	LF	CALTRANS 650516 24" REINFORCED CONCRETE PIPE (CLASS V)	154.12	
		Note: Includes 0.89 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-7.71*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 65-0044	LF	CALTRANS 650520 30" REINFORCED CONCRETE PIPE (CLASS V)	187.73	
		Note: Includes 1.08 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-9.39*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 65-0045	LF	CALTRANS 650524 36" REINFORCED CONCRETE PIPE (CLASS V)	251.55	
		Note: Includes 1.30 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-12.58*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 65-0046	LF	CALTRANS 650528 42" REINFORCED CONCRETE PIPE (CLASS V)	295.11	
		Note: Includes 1.53 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-14.76*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 65-0047	LF	CALTRANS 650536 54" REINFORCED CONCRETE PIPE (CLASS V)	482.40	
		Note: Includes 2.05 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-24.12*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 65-0048	LF	CALTRANS 650540 60" REINFORCED CONCRETE PIPE (CLASS V)	519.25	
		Note: Includes 2.33 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-25.96*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 65-0049	LF	CALTRANS 650548 72" REINFORCED CONCRETE PIPE (CLASS V)	887.12	
		Note: Includes 2.96 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-44.36*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 65-0050	LF	CALTRANS 652207 12" REINFORCED CONCRETE PIPE (CLASS II, RUBBER GASKET JOINT)	67.89	
		Note: Includes 0.37 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-3.39*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 65-0051	LF	CALTRANS 652215 24" REINFORCED CONCRETE PIPE (CLASS II, RUBBER GASKET JOINT)	143.84	
		Note: Includes 0.89 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-7.19*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 65-0052	LF	CALTRANS 652307 12" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT)	69.48	
		Note: Includes 0.37 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-3.47*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 65-0053	LF	CALTRANS 652311 18" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT)	98.86	
		Note: Includes 0.64 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-4.94*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 65-0054	LF	CALTRANS 652314 21" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT)	127.04	
		Note: Includes 0.80 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-6.35*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 65-0055	LF	CALTRANS 652316 24" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT)	146.98	
		Note: Includes 0.89 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-7.35*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 65-0056	LF	CALTRANS 652320 30" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT)	193.58	
		Note: Includes 1.08 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-9.68*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 65-0057	LF	CALTRANS 652324 36" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT)	238.33	
		Note: Includes 1.30 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-11.92*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 65-0058	LF	CALTRANS 652328 42" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT)	306.58	
		Note: Includes 1.53 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-15.33*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 65-0059	LF	CALTRANS 652332 48" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT)	367.29	
		Note: Includes 1.78 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-18.36*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 65-0060	LF	CALTRANS 652348 72" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT)	933.92	
		Note: Includes 2.96 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-46.70*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 65-0061	LF	CALTRANS 652416 24" REINFORCED CONCRETE PIPE (CLASS IV, RUBBER GASKET JOINT)	152.80	
		Note: Includes 0.89 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-7.64*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 65-0062	LF	CALTRANS 652420 30" REINFORCED CONCRETE PIPE (CLASS IV, RUBBER GASKET JOINT)	201.53	
		Note: Includes 1.08 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-10.08*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 65-0063	LF	CALTRANS 652424 36" REINFORCED CONCRETE PIPE (CLASS IV, RUBBER GASKET JOINT)	249.11	
		Note: Includes 1.30 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-12.46*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 65-0064	LF	CALTRANS 652428 42" REINFORCED CONCRETE PIPE (CLASS IV, RUBBER GASKET JOINT)	322.19	
		Note: Includes 1.53 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-16.11*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 65-0065	LF	CALTRANS 652444 66" REINFORCED CONCRETE PIPE (CLASS IV, RUBBER GASKET JOINT)	858.11	
		Note: Includes 2.64 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-42.91*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 65-0066	LF	CALTRANS 654311 18" REINFORCED CONCRETE PRESSURE PIPE (CLASS III)	159.59	
		Note: Includes 0.64 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
		For >1,000, Deduct	*-7.98*	
50 89 87 65-0067	LF	CALTRANS 654316 24" REINFORCED CONCRETE PRESSURE PIPE (CLASS III)	198.25	
		Note: Includes 0.89 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
		For >1,000, Deduct	*-9.91*	
50 89 87 65-0068	LF	CALTRANS 654324 36" REINFORCED CONCRETE PRESSURE PIPE (CLASS III)	263.77	
		Note: Includes 1.30 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
		For >1,000, Deduct	*-13.19*	
50 89 87 65-0069	LF	CALTRANS 657213 24" X 38" OVAL SHAPED REINFORCED CONCRETE PIPE (CLASS II)	277.09	
		Note: Includes 1.08 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-13.85*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 65-0070	LF	CALTRANS 657329 34" X 53" OVAL SHAPED REINFORCED CONCRETE PIPE (CLASS III)	471.89	
		Note: Includes 1.78 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-23.59*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 65-0071	LF	CALTRANS 659108 18" NON-REINFORCED CONCRETE PIPE	88.18	
		Note: Includes 0.64 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-4.41*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 65-0072	LF	CALTRANS 659109 24" NON-REINFORCED CONCRETE PIPE	131.28	
		Note: Includes 0.89 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-6.56*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 65-0073	LF	CALTRANS 659110 30" NON-REINFORCED CONCRETE PIPE	172.14	
		Note: Includes 1.08 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-8.61*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	

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50 89 87 65-0074	LF	CALTRANS 659111 36" NON-REINFORCED CONCRETE PIPE Note: Includes 1.30 CY of excavated material per LF of pipe.	209.26	
		For >1,000, Deduct	*-10.46*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	

50 89 87 66 CORRUGATED METAL PIPE *(50 89 87)*

Note: Includes installing corrugated metal pipe and pipe arches, excavation, backfill, compaction, connection of new pipe to new or existing facilities, reinforcement, concrete collars or tees, testing, and other connecting devices per CALTRAN Standard.

50 89 87 66-0001	LF	CALTRANS 665002 6" CORRUGATED STEEL PIPE (.064" THICK) Note: Includes 0.29 CY of excavated material per LF of pipe.	30.36	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0002	LF	CALTRANS 665003 6" CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 0.29 CY of excavated material per LF of pipe.	32.71	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0003	LF	CALTRANS 665005 8" CORRUGATED STEEL PIPE (.064" THICK) Note: Includes 0.29 CY of excavated material per LF of pipe.	40.83	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0004	LF	CALTRANS 665006 8" CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 0.29 CY of excavated material per LF of pipe.	43.93	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0005	LF	CALTRANS 665008 10" CORRUGATED STEEL PIPE (.064" THICK) Note: Includes 0.32 CY of excavated material per LF of pipe.	50.25	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0006	LF	CALTRANS 665009 10" CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 0.32 CY of excavated material per LF of pipe.	52.79	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0007	LF	CALTRANS 665011 12" CORRUGATED STEEL PIPE (.064" THICK) Note: Includes 0.37 CY of excavated material per LF of pipe.	56.02	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0008	LF	CALTRANS 665012 12" CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 0.37 CY of excavated material per LF of pipe.	60.06	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0009	LF	CALTRANS 665013 15" CORRUGATED STEEL PIPE (.064" THICK) Note: Includes 0.53 CY of excavated material per LF of pipe.	70.08	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0010	LF	CALTRANS 665014 15" CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 0.53 CY of excavated material per LF of pipe.	75.06	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0011	LF	CALTRANS 665015 15" CORRUGATED STEEL PIPE (.109" THICK) Note: Includes 0.53 CY of excavated material per LF of pipe.	85.34	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0012	LF	CALTRANS 665016 18" CORRUGATED STEEL PIPE (.064" THICK) Note: Includes 0.64 CY of excavated material per LF of pipe.	81.79	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0013	LF	CALTRANS 665017 18" CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 0.64 CY of excavated material per LF of pipe.	87.81	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0014	LF	CALTRANS 665018 18" CORRUGATED STEEL PIPE (.109" THICK) Note: Includes 0.64 CY of excavated material per LF of pipe.	100.27	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0015	LF	CALTRANS 665019 21" CORRUGATED STEEL PIPE (.064" THICK) Note: Includes 0.80 CY of excavated material per LF of pipe.	96.82	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0016	LF	CALTRANS 665020 21" CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 0.80 CY of excavated material per LF of pipe.	103.78	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0017	LF	CALTRANS 665021 21" CORRUGATED STEEL PIPE (.109" THICK) Note: Includes 0.80 CY of excavated material per LF of pipe.	118.26	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0018	LF	CALTRANS 665022 24" CORRUGATED STEEL PIPE (.064" THICK) Note: Includes 0.89 CY of excavated material per LF of pipe.	107.27	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 66-0019	LF	CALTRANS 665023 24" CORRUGATED STEEL PIPE (.079" THICK)	115.56	
		Note: Includes 0.89 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0020	LF	CALTRANS 665024 24" CORRUGATED STEEL PIPE (.109" THICK)	132.06	
		Note: Includes 0.89 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0021	LF	CALTRANS 665025 24" CORRUGATED STEEL PIPE (.138" THICK)	145.92	
		Note: Includes 0.89 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0022	LF	CALTRANS 665026 27" CORRUGATED STEEL PIPE (.064" THICK)	123.67	
		Note: Includes 0.98 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0023	LF	CALTRANS 665027 27" CORRUGATED STEEL PIPE (.079" THICK)	132.86	
		Note: Includes 0.98 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0024	LF	CALTRANS 665030 30" CORRUGATED STEEL PIPE (.064" THICK)	143.18	
		Note: Includes 1.08 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0025	LF	CALTRANS 665031 30" CORRUGATED STEEL PIPE (.079" THICK)	153.05	
		Note: Includes 1.08 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0026	LF	CALTRANS 665032 30" CORRUGATED STEEL PIPE (.109" THICK)	173.45	
		Note: Includes 1.08 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0027	LF	CALTRANS 665033 30" CORRUGATED STEEL PIPE (.138" THICK)	191.08	
		Note: Includes 1.08 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0028	LF	CALTRANS 665035 36" CORRUGATED STEEL PIPE (.064" THICK)	187.86	
		Note: Includes 1.30 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0029	LF	CALTRANS 665036 36" CORRUGATED STEEL PIPE (.079" THICK)	199.85	
		Note: Includes 1.30 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0030	LF	CALTRANS 665037 36" CORRUGATED STEEL PIPE (.109" THICK)	224.06	
		Note: Includes 1.30 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0031	LF	CALTRANS 665038 36" CORRUGATED STEEL PIPE (.138" THICK)	246.72	
		Note: Includes 1.30 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0032	LF	CALTRANS 665039 36" CORRUGATED STEEL PIPE (.168" THICK)	273.50	
		Note: Includes 1.30 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0033	LF	CALTRANS 665040 42" CORRUGATED STEEL PIPE (.064" THICK)	218.50	
		Note: Includes 1.53 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0034	LF	CALTRANS 665041 42" CORRUGATED STEEL PIPE (.079" THICK)	232.23	
		Note: Includes 1.53 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0035	LF	CALTRANS 665042 42" CORRUGATED STEEL PIPE (.109" THICK)	260.20	
		Note: Includes 1.53 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0036	LF	CALTRANS 665043 42" COORUGATED STEEL PIPE (.138" THICK)	286.72	
		Note: Includes 1.53 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0037	LF	CALTRANS 665045 48" CORRUGATED STEEL PIPE (.064" THICK)	248.81	
		Note: Includes 1.78 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0038	LF	CALTRANS 665046 48" CORRUGATED STEEL PIPE (.079" THICK)	264.51	
		Note: Includes 1.78 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0039	LF	CALTRANS 665047 48" CORRUGATED STEEL PIPE (.109" THICK)	296.57	
		Note: Includes 1.78 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 66-0040	LF	CALTRANS 665048 48" CORRUGATED STEEL PIPE (.138" THICK)	326.66	
		Note: Includes 1.78 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0041	LF	CALTRANS 665049 48" CORRUGATED STEEL PIPE (.168" THICK)	362.11	
		Note: Includes 1.78 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0042	LF	CALTRANS 665050 54" CORRUGATED STEEL PIPE (.079" THICK)	322.31	
		Note: Includes 2.05 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0043	LF	CALTRANS 665051 54" CORRUGATED STEEL PIPE (.109" THICK)	357.71	
		Note: Includes 2.05 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0044	LF	CALTRANS 665052 54" CORRUGATED STEEL PIPE (.138" THICK)	391.41	
		Note: Includes 2.05 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0045	LF	CALTRANS 665053 54" CORRUGATED STEEL PIPE (.168" THICK)	433.41	
		Note: Includes 2.05 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0046	LF	CALTRANS 665055 60" CORRUGATED STEEL PIPE (.109" THICK)	413.16	
		Note: Includes 2.33 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0047	LF	CALTRANS 665056 60" CORRUGATED STEEL PIPE (.138" THICK)	450.67	
		Note: Includes 2.33 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0048	LF	CALTRANS 665057 60" CORRUGATED STEEL PIPE (.168" THICK)	496.79	
		Note: Includes 2.33 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0049	LF	CALTRANS 665058 66" CORRUGATED STEEL PIPE (.109" THICK)	495.34	
		Note: Includes 2.64 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0050	LF	CALTRANS 665059 66" CORRUGATED STEEL PIPE (.138" THICK)	536.57	
		Note: Includes 2.64 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0051	LF	CALTRANS 665061 72" CORRUGATED STEEL PIPE (.109" THICK)	663.69	
		Note: Includes 2.96 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0052	LF	CALTRANS 665062 72" CORRUGATED STEEL PIPE (.138" THICK)	722.13	
		Note: Includes 2.96 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0053	LF	CALTRANS 665064 78" CORRUGATED STEEL PIPE (.138" THICK)	780.91	
		Note: Includes 3.31 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0054	LF	CALTRANS 665066 84" CORRUGATED STEEL PIPE (.138" THICK)	836.53	
		Note: Includes 3.67 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0055	LF	CALTRANS 665067 84" CORRUGATED STEEL PIPE (.168" THICK)	924.35	
		Note: Includes 3.67 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0056	LF	CALTRANS 665068 90" CORRUGATED STEEL PIPE (.138" THICK)	896.41	
		Note: Includes 4.05 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0057	LF	CALTRANS 665070 96" CORRUGATED STEEL PIPE (.168" THICK)	954.22	
		Note: Includes 4.44 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0058	LF	CALTRANS 665075 18" CORRUGATED STEEL PIPE (.138" THICK)	110.61	
		Note: Includes 0.64 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0059	LF	CALTRANS 665094 18" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK)	120.34	
		Note: Includes 0.64 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0060	LF	CALTRANS 665103 6" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK)	35.35	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0061	LF	CALTRANS 665105 8" BITUMINOUS COATED CORRUGATED STEEL PIPE (.064" THICK)	44.28	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 66-0062	LF	CALTRANS 665106 8" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK)	47.39	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0063	LF	CALTRANS 665108 10" BITUMINOUS COATED CORRUGATED STEEL PIPE (.064" THICK)	54.60	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0064	LF	CALTRANS 665109 10" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK)	58.52	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0065	LF	CALTRANS 665111 12" BITUMINOUS COATED CORRUGATED STEEL PIPE (.064" THICK)	60.60	
		Note: Includes 0.37 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0066	LF	CALTRANS 665112 12" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK)	64.66	
		Note: Includes 0.37 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0067	LF	CALTRANS 665113 15" BITUMINOUS COATED CORRUGATED STEEL PIPE (.064" THICK)	75.78	
		Note: Includes 0.53 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0068	LF	CALTRANS 665114 15" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK)	80.83	
		Note: Includes 0.53 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0069	LF	CALTRANS 665115 15" BITUMINOUS COATED CORRUGATED STEEL PIPE (.109" THICK)	93.18	
		Note: Includes 0.53 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0070	LF	CALTRANS 665116 18" BITUMINOUS COATED CORRUGATED STEEL PIPE (.064" THICK)	88.70	
		Note: Includes 0.64 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0071	LF	CALTRANS 665117 18" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK)	94.79	
		Note: Includes 0.64 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0072	LF	CALTRANS 665118 18" BITUMINOUS COATED CORRUGATED STEEL PIPE (.109" THICK)	108.26	
		Note: Includes 0.64 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0073	LF	CALTRANS 665119 21" BITUMINOUS COATED CORRUGATED STEEL PIPE (.064" THICK)	105.08	
		Note: Includes 0.80 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0074	LF	CALTRANS 665120 21" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK)	112.08	
		Note: Includes 0.80 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0075	LF	CALTRANS 665121 21" BITUMINOUS COATED CORRUGATED STEEL PIPE (.109" THICK)	127.71	
		Note: Includes 0.80 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0076	LF	CALTRANS 665122 24" BITUMINOUS COATED CORRUGATED STEEL PIPE (.064" THICK)	112.49	
		Note: Includes 0.89 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0077	LF	CALTRANS 665123 24" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK)	124.95	
		Note: Includes 0.89 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0078	LF	CALTRANS 665124 24" BITUMINOUS COATED CORRUGATED STEEL PIPE (.109" THICK)	142.77	
		Note: Includes 0.89 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0079	LF	CALTRANS 665125 24" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK)	158.96	
		Note: Includes 0.89 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0080	LF	CALTRANS 665130 30" BITUMINOUS COATED CORRUGATED STEEL PIPE (.064" THICK)	155.24	
		Note: Includes 1.08 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0081	LF	CALTRANS 665131 30" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK)	165.11	
		Note: Includes 1.08 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0082	LF	CALTRANS 665132 30" BITUMINOUS COATED CORRUGATED STEEL PIPE (.109" THICK)	187.07	
		Note: Includes 1.08 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0083	LF	CALTRANS 665133 30" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK)	207.66	
		Note: Includes 1.08 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 66-0084	LF	CALTRANS 665135 36" BITUMINOUS COATED CORRUGATED STEEL PIPE (.064" THICK) Note: Includes 1.30 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	203.07 *0.98* *1.33*	
50 89 87 66-0085	LF	CALTRANS 665136 36" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 1.30 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	214.97 *0.98* *1.33*	
50 89 87 66-0086	LF	CALTRANS 665137 36" BITUMINOUS COATED CORRUGATED STEEL PIPE (.109" THICK) Note: Includes 1.30 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	240.90 *0.98* *1.33*	
50 89 87 66-0087	LF	CALTRANS 665138 36" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK) Note: Includes 1.30 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	268.14 *0.98* *1.33*	
50 89 87 66-0088	LF	CALTRANS 665139 36" BITUMINOUS COATED CORRUGATED STEEL PIPE (.168" THICK) Note: Includes 1.30 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	299.66 *0.98* *1.33*	
50 89 87 66-0089	LF	CALTRANS 665140 42" BITUMINOUS COATED CORRUGATED STEEL PIPE (.064" THICK) Note: Includes 1.53 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	236.50 *0.98* *1.33*	
50 89 87 66-0090	LF	CALTRANS 665141 42" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 1.53 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	250.03 *0.98* *1.33*	
50 89 87 66-0091	LF	CALTRANS 665142 42" BITUMINOUS COATED CORRUGATED STEEL PIPE (.109" THICK) Note: Includes 1.53 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	279.94 *0.98* *1.33*	
50 89 87 66-0092	LF	CALTRANS 665143 42" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK) Note: Includes 1.53 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	311.81 *0.98* *1.33*	
50 89 87 66-0093	LF	CALTRANS 665145 48" BITUMINOUS COATED CORRUGATED STEEL PIPE (.064" THICK) Note: Includes 1.78 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	268.97 *0.98* *1.33*	
50 89 87 66-0094	LF	CALTRANS 665146 48" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 1.78 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	284.51 *0.98* *1.33*	
50 89 87 66-0095	LF	CALTRANS 665147 48" BITUMINOUS COATED CORRUGATED STEEL PIPE (.109" THICK) Note: Includes 1.78 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	318.85 *0.98* *1.33*	
50 89 87 66-0096	LF	CALTRANS 665148 48" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK) Note: Includes 1.78 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	355.02 *0.98* *1.33*	
50 89 87 66-0097	LF	CALTRANS 665149 48" BITUMINOUS COATED CORRUGATED STEEL PIPE (.168" THICK) Note: Includes 1.78 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	396.76 *0.98* *1.33*	
50 89 87 66-0098	LF	CALTRANS 665150 54" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 2.05 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	346.90 *0.98* *1.33*	
50 89 87 66-0099	LF	CALTRANS 665151 54" BITUMINOUS COATED CORRUGATED STEEL PIPE (.109" THICK) Note: Includes 2.05 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	384.42 *0.98* *1.33*	
50 89 87 66-0100	LF	CALTRANS 665152 54" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK) Note: Includes 2.05 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	425.01 *0.98* *1.33*	
50 89 87 66-0101	LF	CALTRANS 665153 54" BITUMINOUS COATED CORRUGATED STEEL PIPE (.168" THICK) Note: Includes 2.05 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	474.44 *0.98* *1.33*	
50 89 87 66-0102	LF	CALTRANS 665155 60" BITUMINOUS COATED CORRUGATED STEEL PIPE (.109" THICK) Note: Includes 2.33 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	442.43 *0.98* *1.33*	
50 89 87 66-0103	LF	CALTRANS 665156 60" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK) Note: Includes 2.33 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	487.57 *0.98* *1.33*	
50 89 87 66-0104	LF	CALTRANS 665157 60" BITUMINOUS COATED CORRUGATED STEEL PIPE (.168" THICK) Note: Includes 2.33 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	541.86 *0.98* *1.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 66-0105	LF	CALTRANS 665158 66" BITUMINOUS COATED CORRUGATED STEEL PIPE (.109" THICK) Note: Includes 2.64 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	530.96 *0.98* *1.33*	
50 89 87 66-0106	LF	CALTRANS 665159 66" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK) Note: Includes 2.64 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	579.20 *0.98* *1.33*	
50 89 87 66-0107	LF	CALTRANS 665160 66" BITUMINOUS COATED CORRUGATED STEEL PIPE (.168" THICK) Note: Includes 2.64 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	645.65 *0.98* *1.33*	
50 89 87 66-0108	LF	CALTRANS 665161 72" BITUMINOUS COATED CORRUGATED STEEL PIPE (.109" THICK) Note: Includes 2.96 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	721.99 *0.98* *1.33*	
50 89 87 66-0109	LF	CALTRANS 665162 72" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK) Note: Includes 2.96 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	792.11 *0.98* *1.33*	
50 89 87 66-0110	LF	CALTRANS 665163 72" BITUMINOUS COATED CORRUGATED STEEL PIPE (.168" THICK) Note: Includes 2.96 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	872.59 *0.98* *1.33*	
50 89 87 66-0111	LF	CALTRANS 665164 78" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK) Note: Includes 3.31 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	854.77 *0.98* *1.33*	
50 89 87 66-0112	LF	CALTRANS 665165 78" BITUMINOUS COATED CORRUGATED STEEL PIPE (.168" THICK) Note: Includes 3.31 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	941.77 *0.98* *1.33*	
50 89 87 66-0113	LF	CALTRANS 665166 84" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK) Note: Includes 3.67 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	916.37 *0.98* *1.33*	
50 89 87 66-0114	LF	CALTRANS 665167 84" BITUMINOUS COATED CORRUGATED STEEL PIPE (.168" THICK) Note: Includes 3.67 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	1,021.75 *0.98* *1.33*	
50 89 87 66-0115	LF	CALTRANS 665168 90" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK) Note: Includes 4.05 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	981.16 *0.98* *1.33*	
50 89 87 66-0116	LF	CALTRANS 665180 24" BITUMINOUS COATED CORRUGATED STEEL PIPE (.168" THICK) Note: Includes 0.89 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	182.64 *0.98* *1.33*	
50 89 87 66-0117	LF	CALTRANS 665223 24" BITUMINOUS COATED PAVED INVERT CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 0.89 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	137.32 *0.98* *1.33*	
50 89 87 66-0118	LF	CALTRANS 665224 24" BITUMINOUS COATED PAVED INVERT CORRUGATED STEEL PIPE (.109" THICK) Note: Includes 0.89 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	151.40 *0.98* *1.33*	
50 89 87 66-0119	LF	CALTRANS 665237 36" BITUMINOUS COATED PAVED INVERT CORRUGATED STEEL PIPE (.109" THICK) Note: Includes 1.30 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	254.47 *0.98* *1.33*	
50 89 87 66-0120	LF	CALTRANS 665323 24" BITUMINOUS LINED CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 0.89 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	124.95 *0.98* *1.33*	
50 89 87 66-0121	LF	CALTRANS 665334 30" BITUMINOUS LINED CORRUGATED STEEL PIPE (.168" THICK) Note: Includes 1.08 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	237.78 *0.98* *1.33*	
50 89 87 66-0122	LF	CALTRANS 665336 36" BITUMINOUS LINED CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 1.30 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	214.97 *0.98* *1.33*	
50 89 87 66-0123	LF	CALTRANS 665711 12" SLOTTED CORRUGATED STEEL PIPE (.064" THICK) Note: Includes 0.37 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	62.55 *0.98* *1.33*	
50 89 87 66-0124	LF	CALTRANS 665712 12" SLOTTED CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 0.37 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	66.84 *0.98* *1.33*	
50 89 87 66-0125	LF	CALTRANS 665713 12" SLOTTED CORRUGATED STEEL PIPE (.109" THICK) Note: Includes 0.37 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	80.22 *0.98* *1.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 66-0126	LF	CALTRANS 665716 18" SLOTTED CORRUGATED STEEL PIPE (.064" THICK) Note: Includes 0.64 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	111.17 *0.98* *1.33*	
50 89 87 66-0127	LF	CALTRANS 665717 18" SLOTTED CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 0.64 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	121.02 *0.98* *1.33*	
50 89 87 66-0128	LF	CALTRANS 665718 18" SLOTTED CORRUGATED STEEL PIPE (.168" THICK) Note: Includes 0.64 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	205.28 *0.98* *1.33*	
50 89 87 66-0129	LF	CALTRANS 665722 24" SLOTTED CORRUGATED STEEL PIPE (.064" THICK) Note: Includes 0.89 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	120.38 *0.98* *1.33*	
50 89 87 66-0130	LF	CALTRANS 665723 24" SLOTTED CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 0.89 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	129.10 *0.98* *1.33*	
50 89 87 66-0131	LF	CALTRANS 665811 12" BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (.064" THICK) Note: Includes 0.37 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	68.65 *0.98* *1.33*	
50 89 87 66-0132	LF	CALTRANS 665812 12" BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 0.37 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	73.98 *0.98* *1.33*	
50 89 87 66-0133	LF	CALTRANS 665816 18" BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (.064" THICK) Note: Includes 0.64 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	125.18 *0.98* *1.33*	
50 89 87 66-0134	LF	CALTRANS 665817 18" BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 0.64 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	137.39 *0.98* *1.33*	
50 89 87 66-0135	LF	CALTRANS 665818 18" BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (.109" THICK) Note: Includes 0.64 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	175.56 *0.98* *1.33*	
50 89 87 66-0136	LF	CALTRANS 665820 18" BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (.138" THICK) Note: Includes 0.64 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	205.47 *0.98* *1.33*	
50 89 87 66-0137	LF	CALTRANS 665822 24" BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 0.89 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	143.61 *0.98* *1.33*	
50 89 87 66-0138	LF	CALTRANS 665828 18" BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (.168" THICK) Note: Includes 0.64 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	242.06 *0.98* *1.33*	
50 89 87 66-0139	LF	CALTRANS 667001 17" X 13" CORRUGATED STEEL PIPE ARCH (.079" THICK) Note: Includes 0.53 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	78.00 *0.98* *1.33*	
50 89 87 66-0140	LF	CALTRANS 667005 21" X 15" CORRUGATED STEEL PIPE ARCH (.079" THICK) Note: Includes 0.64 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	95.28 *0.98* *1.33*	
50 89 87 66-0141	LF	CALTRANS 667006 21" X 15" CORRUGATED STEEL PIPE ARCH (.109" THICK) Note: Includes 0.64 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	107.65 *0.98* *1.33*	
50 89 87 66-0142	LF	CALTRANS 667009 24" X 18" CORRUGATED STEEL PIPE ARCH (.079" THICK) Note: Includes 0.80 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	111.97 *0.98* *1.33*	
50 89 87 66-0143	LF	CALTRANS 667010 24" X 18" CORRUGATED STEEL PIPE ARCH (.109" THICK) Note: Includes 0.80 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	126.54 *0.98* *1.33*	
50 89 87 66-0144	LF	CALTRANS 667013 28" X 20" CORRUGATED STEEL PIPE ARCH (.079" THICK) Note: Includes 0.89 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	118.28 *0.98* *1.33*	
50 89 87 66-0145	LF	CALTRANS 667014 28" X 20" CORRUGATED STEEL PIPE ARCH (.109" THICK) Note: Includes 0.89 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	141.90 *0.98* *1.33*	
50 89 87 66-0146	LF	CALTRANS 667015 28" X 20" CORRUGATED STEEL PIPE ARCH (.138" THICK) Note: Includes 0.89 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	156.35 *0.98* *1.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 66-0147	LF	CALTRANS 667018 35" X 24" CORRUGATED STEEL PIPE ARCH (.079" THICK) Note: Includes 1.08 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	165.33 *0.98* *1.33*	
50 89 87 66-0148	LF	CALTRANS 667019 35" X 24" CORRUGATED STEEL PIPE ARCH (.109" THICK) Note: Includes 1.08 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	185.69 *0.98* *1.33*	
50 89 87 66-0149	LF	CALTRANS 667020 35" X 24" CORRUGATED STEEL PIPE ARCH (.138" THICK) Note: Includes 1.08 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	203.88 *0.98* *1.33*	
50 89 87 66-0150	LF	CALTRANS 667023 42" X 29" CORRUGATED STEEL PIPE ARCH (.079" THICK) Note: Includes 1.30 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	204.41 *0.98* *1.33*	
50 89 87 66-0151	LF	CALTRANS 667024 42" X 29" CORRUGATED STEEL PIPE ARCH (.109" THICK) Note: Includes 1.30 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	228.48 *0.98* *1.33*	
50 89 87 66-0152	LF	CALTRANS 667025 42" X 29" CORRUGATED STEEL PIPE ARCH (.138" THICK) Note: Includes 1.30 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	251.14 *0.98* *1.33*	
50 89 87 66-0153	LF	CALTRANS 667028 49" X 33" CORRUGATED STEEL PIPE ARCH (.079" THICK) Note: Includes 1.53 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	238.72 *0.98* *1.33*	
50 89 87 66-0154	LF	CALTRANS 667029 49" X 33" CORRUGATED STEEL PIPE ARCH (.109" THICK) Note: Includes 1.53 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	266.50 *0.98* *1.33*	
50 89 87 66-0155	LF	CALTRANS 667030 49" X 33" CORRUGATED STEEL PIPE ARCH (.138" THICK) Note: Includes 1.53 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	292.92 *0.98* *1.33*	
50 89 87 66-0156	LF	CALTRANS 667033 57" X 38" CORRUGATED STEEL PIPE ARCH (.079" THICK) Note: Includes 1.78 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	285.96 *0.98* *1.33*	
50 89 87 66-0157	LF	CALTRANS 667034 57" X 38" CORRUGATED STEEL PIPE ARCH (.109" THICK) Note: Includes 1.78 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	310.63 *0.98* *1.33*	
50 89 87 66-0158	LF	CALTRANS 667035 57" X 38" CORRUGATED STEEL PIPE ARCH (.138" THICK) Note: Includes 1.78 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	340.57 *0.98* *1.33*	
50 89 87 66-0159	LF	CALTRANS 667037 64" X 43" CORRUGATED STEEL PIPE ARCH (.079" THICK) Note: Includes 2.05 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	333.56 *0.98* *1.33*	
50 89 87 66-0160	LF	CALTRANS 667038 64" X 43" CORRUGATED STEEL PIPE ARCH (.109" THICK) Note: Includes 2.05 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	360.81 *0.98* *1.33*	
50 89 87 66-0161	LF	CALTRANS 667041 71" X 47" CORRUGATED STEEL PIPE ARCH (.109" THICK) Note: Includes 2.33 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	420.05 *0.98* *1.33*	
50 89 87 66-0162	LF	CALTRANS 667042 71" X 47" CORRUGATED STEEL PIPE ARCH (.138" THICK) Note: Includes 2.33 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	454.15 *0.98* *1.33*	
50 89 87 66-0163	LF	CALTRANS 667048 83" X 57" CORRUGATED STEEL PIPE ARCH (.138" THICK) Note: Includes 2.64 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	690.54 *0.98* *1.33*	
50 89 87 66-0164	LF	CALTRANS 667114 28" X 20" BITUMINOUS COATED CORRUGATED STEEL PIPE ARCH (.109" THICK) Note: Includes 0.89 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	153.26 *0.98* *1.33*	
50 89 87 66-0165	LF	CALTRANS 667326 42" X 29" BITUMINOUS COATED CORRUGATED STEEL PIPE ARCH (.168" THICK) Note: Includes 1.30 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	304.87 *0.98* *1.33*	
50 89 87 66-0166	LF	CALTRANS 669012 12" CORRUGATED STEEL PIPE CONDUIT (.079" THICK) Note: Includes 0.37 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	60.06 *0.98* *1.33*	
50 89 87 66-0167	LF	CALTRANS 669016 18" CORRUGATED STEEL PIPE CONDUIT (.064" THICK) *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	81.79 *0.98* *1.33*	
50 89 87 66-0168	LF	CALTRANS 669017 18" CORRUGATED STEEL PIPE CONDUIT (.079" THICK) *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	87.81 *0.98* *1.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 66-0169	LF	CALTRANS 669018 18" CORRUGATED STEEL PIPE CONDUIT (.109" THICK)	100.27	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0170	LF	CALTRANS 669055 8" BITUMINOUS COATED CORRUGATED STEEL PIPE CONDUIT (.064" THICK)	44.28	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 66-0171	LF	CALTRANS 669072 24" BITUMINOUS COATED CORRUGATED STEEL PIPE CONDUIT (.079" THICK)	124.95	
		Note: Includes 0.89 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	

50 89 87 67 STRUCTURAL PLATE CULVERTS *(50 89 87)*

Note: Includes structural metal plate pipe, arches and pipe arches, excavation, backfill, compaction, connection of new pipe to new or existing facilities, testing, and other connecting devices per CALTRAN Standard.

50 89 87 67-0001	LF	CALTRANS 670602 90" STRUCTURAL STEEL PLATE PIPE (.138" THICK)	965.19	
		Note: Includes 4.05 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 67-0002	LF	CALTRANS 670901 108" STRUCTURAL STEEL PLATE PIPE (.109" THICK)	1,054.80	
		Note: Includes 5.30 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 67-0003	LF	CALTRANS 671101 120" STRUCTURAL STEEL PLATE PIPE (.109" THICK)	1,169.28	
		Note: Includes 6.22 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 67-0004	LF	CALTRANS 674351 11'-10" X 7'-7" STRUCTURAL STEEL PLATE PIPE ARCH (.109" THICK)	1,345.89	
		Note: Includes 0.32 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	

50 89 87 68 SUBSURFACE DRAINS *(50 89 87)*

Note: Includes subsurface drains, excavation, backfill and compaction per CALTRAN Standard.

50 89 87 68-0001	LF	CALTRANS 680402 6" PERFORATED STEEL PIPE UNDERDRAIN (.064" THICK)	34.24	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 68-0002	LF	CALTRANS 680405 8" PERFORATED STEEL PIPE UNDERDRAIN (.064" THICK)	45.99	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 68-0003	LF	CALTRANS 680406 8" PERFORATED STEEL PIPE UNDERDRAIN (.079" THICK)	50.22	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 68-0004	LF	CALTRANS 680411 12" PERFORATED STEEL PIPE UNDERDRAIN (.064" THICK)	64.82	
		Note: Includes 0.37 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 68-0005	LF	CALTRANS 680412 12" PERFORATED STEEL PIPE UNDERDRAIN (.079" THICK)	70.37	
		Note: Includes 0.37 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	
50 89 87 68-0006	LF	CALTRANS 680436 8" BITUMINOUS COATED PERFORATED STEEL PIPE UNDERDRAIN (.079" THICK)	54.96	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.98*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.33*	

50 89 87 69 OVERSIDE DRAINS *(50 89 87)*

Note: Includes constructing overside drains, excavation, backfill, compaction and anchors per CALTRAN Standard.

50 89 87 69-0001	LF	CALTRANS 690103 6" CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK)	32.19	
50 89 87 69-0002	LF	CALTRANS 690105 8" CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK)	39.96	
50 89 87 69-0003	LF	CALTRANS 690106 8" CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK)	43.06	
50 89 87 69-0004	LF	CALTRANS 690107 10" CORRUGATED STEEL PIPE DOWNDRAIN	51.71	
50 89 87 69-0005	LF	CALTRANS 690111 12" CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK)	54.58	
50 89 87 69-0006	LF	CALTRANS 690112 12" CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK)	58.62	
50 89 87 69-0007	LF	CALTRANS 690114 15" CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK)	73.10	
50 89 87 69-0008	LF	CALTRANS 690115 15" CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK)	83.38	
50 89 87 69-0009	LF	CALTRANS 690116 18" CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK)	79.54	
50 89 87 69-0010	LF	CALTRANS 690117 18" CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK)	85.55	
50 89 87 69-0011	LF	CALTRANS 690118 18" CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK)	98.01	
50 89 87 69-0012	LF	CALTRANS 690122 24" CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK)	103.20	
50 89 87 69-0013	LF	CALTRANS 690123 24" CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK)	111.28	
50 89 87 69-0014	LF	CALTRANS 690124 24" CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK)	127.78	
50 89 87 69-0015	LF	CALTRANS 690125 24" CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK)	141.64	
50 89 87 69-0016	LF	CALTRANS 690131 30" CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK)	148.26	
50 89 87 69-0017	LF	CALTRANS 690132 30" CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK)	168.66	
50 89 87 69-0018	LF	CALTRANS 690134 30" CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK)	186.29	
50 89 87 69-0019	LF	CALTRANS 690136 36" CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK)	194.47	
50 89 87 69-0020	LF	CALTRANS 690137 36" CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK)	218.68	
50 89 87 69-0021	LF	CALTRANS 690138 36" CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK)	241.34	
50 89 87 69-0022	LF	CALTRANS 690142 42" CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK)	252.34	
50 89 87 69-0023	LF	CALTRANS 690147 48" CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK)	285.89	
50 89 87 69-0024	LF	CALTRANS 690148 48" CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK)	315.98	
50 89 87 69-0025	LF	CALTRANS 690150 54" CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK)	346.10	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 69-0026	LF	CALTRANS 690205 8" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK)	43.41	
50 89 87 69-0027	LF	CALTRANS 690206 8" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK)	46.53	
50 89 87 69-0028	LF	CALTRANS 690211 12" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK)	59.17	
50 89 87 69-0029	LF	CALTRANS 690212 12" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK)	63.22	
50 89 87 69-0030	LF	CALTRANS 690216 18" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK)	86.44	
50 89 87 69-0031	LF	CALTRANS 690217 18" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK)	92.53	
50 89 87 69-0032	LF	CALTRANS 690218 18" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK)	106.00	
50 89 87 69-0033	LF	CALTRANS 690222 24" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK)	112.49	
50 89 87 69-0034	LF	CALTRANS 690223 24" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK)	120.67	
50 89 87 69-0035	LF	CALTRANS 690224 24" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK)	138.49	
50 89 87 69-0036	LF	CALTRANS 690225 24" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK)	154.68	
50 89 87 69-0037	LF	CALTRANS 690231 30" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK)	160.32	
50 89 87 69-0038	LF	CALTRANS 690232 30" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK)	182.28	
50 89 87 69-0039	LF	CALTRANS 690235 36" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK)	197.69	
50 89 87 69-0040	LF	CALTRANS 690237 36" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK)	235.52	
50 89 87 69-0041	LF	CALTRANS 690238 36" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK)	262.76	
50 89 87 69-0042	LF	CALTRANS 690242 42" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK)	272.08	
50 89 87 69-0043	LF	CALTRANS 690247 48" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK)	308.18	
50 89 87 69-0044	LF	CALTRANS 690253 30" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK)	202.87	
50 89 87 69-0045	LF	CALTRANS 690260 12" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK)	80.65	
50 89 87 69-0046	LF	CALTRANS 690263 18" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK)	118.23	
50 89 87 69-0047	LF	CALTRANS 690318 18" BITUMINOUS COATED PAVED INVERT CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK)	112.45	
50 89 87 69-0048	LF	CALTRANS 690324 24" BITUMINOUS COATED PAVED INVERT CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK)	147.12	
50 89 87 69-0049	LF	CALTRANS 690341 42" BITUMINOUS COATED PAVED INVERT CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK)	242.17	
50 89 87 69-0050	LF	CALTRANS 690351 54" BITUMINOUS COATED PAVED INVERT CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK)	394.35	
50 89 87 69-0051	LF	CALTRANS 690960 12" PLASTIC PIPE DOWNDRAIN	55.79	
50 89 87 69-0052	LF	CALTRANS 690964 18" PLASTIC PIPE DOWNDRAIN	89.50	
50 89 87 69-0053	EA	CALTRANS 692303 8" ANCHOR ASSEMBLY	652.64	
50 89 87 69-0054	EA	CALTRANS 692305 12" ANCHOR ASSEMBLY	816.52	
50 89 87 69-0055	EA	CALTRANS 692306 15" ANCHOR ASSEMBLY	917.75	
50 89 87 69-0056	EA	CALTRANS 692307 18" ANCHOR ASSEMBLY	1,025.86	
50 89 87 69-0057	EA	CALTRANS 692309 24" ANCHOR ASSEMBLY	1,263.49	
50 89 87 69-0058	EA	CALTRANS 692311 30" ANCHOR ASSEMBLY	1,514.71	
50 89 87 69-0059	EA	CALTRANS 692313 36" ANCHOR ASSEMBLY	1,766.09	
50 89 87 69-0060	EA	CALTRANS 692319 54" ANCHOR ASSEMBLY	2,523.22	

50 89 87 70 MISCELLANEOUS DRAINAGE FACILITIES *(50 89 87)*

50 89 87 70-0001	LF	CALTRANS 700637 36" CORRUGATED STEEL PIPE INLET (.064" THICK)	199.85	
50 89 87 70-0002	LF	CALTRANS 700638 36" CORRUGATED STEEL PIPE INLET (.079" THICK)	199.85	
50 89 87 70-0003	LF	CALTRANS 700639 36" CORRUGATED STEEL PIPE INLET (.109" THICK)	224.06	
50 89 87 70-0004	LF	CALTRANS 700640 36" CORRUGATED STEEL PIPE INLET (.138" THICK)	246.72	
50 89 87 70-0005	LF	CALTRANS 700641 36" CORRUGATED STEEL PIPE INLET (.168" THICK)	297.84	
50 89 87 70-0006	LF	CALTRANS 700655 48" CORRUGATED STEEL PIPE INLET (.109" THICK)	296.57	
50 89 87 70-0007	LF	CALTRANS 700656 48" CORRUGATED STEEL PIPE INLET (.138" THICK)	326.66	
50 89 87 70-0008	LF	CALTRANS 700837 36" BITUMINOUS COATED CORRUGATED STEEL PIPE INLET (.064" THICK)	203.07	
50 89 87 70-0009	LF	CALTRANS 700838 36" BITUMINOUS COATED CORRUGATED STEEL PIPE INLET (.079" THICK)	213.56	
50 89 87 70-0010	LF	CALTRANS 700839 36" BITUMINOUS COATED CORRUGATED STEEL PIPE INLET (.109" THICK)	240.90	
50 89 87 70-0011	LF	CALTRANS 700840 36" BITUMINOUS COATED CORRUGATED STEEL PIPE INLET (.138" THICK)	268.14	
50 89 87 70-0012	LF	CALTRANS 700854 48" BITUMINOUS COATED CORRUGATED STEEL PIPE INLET (.079" THICK)	318.85	
50 89 87 70-0013	LF	CALTRANS 703516 8" WELDED STEEL PIPE (.188" THICK)	116.59	29.25
		For >1,000, Deduct	*-5.83*	
50 89 87 70-0014	LF	CALTRANS 703525 10" WELDED STEEL PIPE (.250" THICK)	163.19	31.92
		For >1,000, Deduct	*-8.16*	
50 89 87 70-0015	LF	CALTRANS 703533 12" WELDED STEEL PIPE (.250" THICK)	185.27	33.45
		For >1,000, Deduct	*-9.26*	
50 89 87 70-0016	LF	CALTRANS 703555 18" WELDED STEEL PIPE (.250" THICK)	263.55	43.89
		For >1,000, Deduct	*-13.18*	
50 89 87 70-0017	LF	CALTRANS 703557 18" WELDED STEEL PIPE (.375" THICK)	343.49	71.62
		For >1,000, Deduct	*-17.17*	
50 89 87 70-0018	LF	CALTRANS 703564 20" WELDED STEEL PIPE (.375" THICK)	376.61	71.62
		For >1,000, Deduct	*-18.83*	
50 89 87 70-0019	LF	CALTRANS 703575 24" WELDED STEEL PIPE (.250" THICK)	407.03	82.64
		For >1,000, Deduct	*-20.35*	
50 89 87 70-0020	LF	CALTRANS 703576 24" WELDED STEEL PIPE (.375" THICK)	480.20	82.64
		For >1,000, Deduct	*-24.01*	
50 89 87 70-0021	LF	CALTRANS 703598 30" WELDED STEEL PIPE (.250" THICK)	473.16	96.41
		For >1,000, Deduct	*-23.66*	
50 89 87 70-0022	LF	CALTRANS 703600 30" WELDED STEEL PIPE (.375" THICK)	557.84	96.41
		For >1,000, Deduct	*-27.89*	
50 89 87 70-0023	LF	CALTRANS 703618 36" WELDED STEEL PIPE (.250" THICK)	628.14	115.70
		For >1,000, Deduct	*-31.41*	
50 89 87 70-0024	LF	CALTRANS 703620 36" WELDED STEEL PIPE (.375" THICK)	744.99	115.70
		For >1,000, Deduct	*-37.25*	
50 89 87 70-0025	LF	CALTRANS 703644 42" WELDED STEEL PIPE (.250" THICK)	1,280.70	129.47
		For >1,000, Deduct	*-64.04*	
50 89 87 70-0026	LF	CALTRANS 703646 42" WELDED STEEL PIPE (.375" THICK)	1,280.70	129.47
		For >1,000, Deduct	*-64.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 70-0027	LF	CALTRANS 703656 48" WELDED STEEL PIPE (.375" THICK)	1,470.72	146.00
		For >1,000, Deduct	*-73.54*	
50 89 87 70-0028	LF	CALTRANS 703755 8" COATED WELDED STEEL PIPE (.188" THICK)	130.85	29.25
		For >1,000, Deduct	*-6.54*	
50 89 87 70-0029	LF	CALTRANS 703757 10" COATED WELDED STEEL PIPE (.250" THICK)	179.08	31.92
		For >1,000, Deduct	*-8.95*	
50 89 87 70-0030	LF	CALTRANS 703760 12" COATED WELDED STEEL PIPE (.250" THICK)	185.27	33.45
		For >1,000, Deduct	*-9.26*	
50 89 87 70-0031	LF	CALTRANS 703762 18" COATED WELDED STEEL PIPE (.250" THICK)	290.47	43.89
		For >1,000, Deduct	*-14.52*	
50 89 87 70-0032	LF	CALTRANS 703763 18" COATED WELDED STEEL PIPE (.375" THICK)	370.41	71.62
		For >1,000, Deduct	*-18.52*	
50 89 87 70-0033	LF	CALTRANS 703764 20" COATED WELDED STEEL PIPE (.375" THICK)	406.54	71.62
		For >1,000, Deduct	*-20.33*	
50 89 87 70-0034	LF	CALTRANS 703765 24" COATED WELDED STEEL PIPE (.250" THICK)	424.63	82.64
		For >1,000, Deduct	*-21.23*	
50 89 87 70-0035	LF	CALTRANS 703767 30" COATED WELDED STEEL PIPE (.250" THICK)	518.03	96.41
		For >1,000, Deduct	*-25.90*	
50 89 87 70-0036	LF	CALTRANS 703768 30" COATED WELDED STEEL PIPE (.375" THICK)	602.71	96.41
		For >1,000, Deduct	*-30.14*	
50 89 87 70-0037	LF	CALTRANS 703769 36" COATED WELDED STEEL PIPE (.250" THICK)	681.98	115.70
		For >1,000, Deduct	*-34.10*	
50 89 87 70-0038	LF	CALTRANS 703769 36" COATED WELDED STEEL PIPE (.375" THICK)	798.84	115.70
		For >1,000, Deduct	*-39.94*	
50 89 87 70-0039	LF	CALTRANS 703771 42" COATED WELDED STEEL PIPE (.250" THICK)	1,343.52	129.47
		For >1,000, Deduct	*-67.18*	
50 89 87 70-0040	LF	CALTRANS 703772 42" COATED WELDED STEEL PIPE (.375" THICK)	1,343.52	129.47
		For >1,000, Deduct	*-67.18*	
50 89 87 70-0041	LF	CALTRANS 703773 48" COATED WELDED STEEL PIPE (.375" THICK)	1,542.51	146.00
		For >1,000, Deduct	*-77.13*	
50 89 87 70-0042	EA	CALTRANS 705007 12" STEEL FLARED END SECTION	495.20	76.52
50 89 87 70-0043	EA	CALTRANS 705009 15" STEEL FLARED END SECTION	573.17	81.98
50 89 87 70-0044	EA	CALTRANS 705011 18" STEEL FLARED END SECTION	685.13	87.45
50 89 87 70-0045	EA	CALTRANS 705013 21" STEEL FLARED END SECTION	851.79	95.65
50 89 87 70-0046	EA	CALTRANS 705015 24" STEEL FLARED END SECTION	1,114.73	103.84
50 89 87 70-0047	EA	CALTRANS 705016 27" STEEL FLARED END SECTION	1,392.70	103.84
50 89 87 70-0048	EA	CALTRANS 705019 30" STEEL FLARED END SECTION	1,676.13	117.51
50 89 87 70-0049	EA	CALTRANS 705023 36" STEEL FLARED END SECTION	2,847.81	139.29
50 89 87 70-0050	EA	CALTRANS 705027 42" STEEL FLARED END SECTION	3,640.37	162.51
50 89 87 70-0051	EA	CALTRANS 705031 48" STEEL FLARED END SECTION	5,206.19	185.73
50 89 87 70-0052	EA	CALTRANS 705035 54" STEEL FLARED END SECTION	5,770.30	232.15
50 89 87 70-0053	EA	CALTRANS 705037 60" STEEL FLARED END SECTION	7,770.86	278.59
50 89 87 70-0054	EA	CALTRANS 705039 66" STEEL FLARED END SECTION	8,770.69	417.88
50 89 87 70-0055	EA	CALTRANS 705041 72" STEEL FLARED END SECTION	10,233.41	557.17
50 89 87 70-0056	EA	CALTRANS 705057 12" BITUMINOUS COATED STEEL FLARED END SECTION	576.30	76.52
50 89 87 70-0057	EA	CALTRANS 705059 15" BITUMINOUS COATED STEEL FLARED END SECTION	669.97	81.98
50 89 87 70-0058	EA	CALTRANS 705061 18" BITUMINOUS COATED STEEL FLARED END SECTION	801.68	87.45
50 89 87 70-0059	EA	CALTRANS 705063 21" BITUMINOUS COATED STEEL FLARED END SECTION	1,007.42	95.65
50 89 87 70-0060	EA	CALTRANS 705065 24" BITUMINOUS COATED STEEL FLARED END SECTION	1,329.35	103.84
50 89 87 70-0061	EA	CALTRANS 705067 27" BITUMINOUS COATED STEEL FLARED END SECTION	1,671.21	103.84
50 89 87 70-0062	EA	CALTRANS 705069 30" BITUMINOUS COATED STEEL FLARED END SECTION	2,018.53	117.51
50 89 87 70-0063	EA	CALTRANS 705073 36" BITUMINOUS COATED STEEL FLARED END SECTION	3,459.30	139.29
50 89 87 70-0064	EA	CALTRANS 705077 42" BITUMINOUS COATED STEEL FLARED END SECTION	4,428.53	162.51
50 89 87 70-0065	EA	CALTRANS 705081 48" BITUMINOUS COATED STEEL FLARED END SECTION	6,356.26	185.73
50 89 87 70-0066	EA	CALTRANS 705084 54" BITUMINOUS COATED STEEL FLARED END SECTION	7,029.83	232.15
50 89 87 70-0067	EA	CALTRANS 705201 12" CONCRETE FLARED END SECTION	912.96	135.23
50 89 87 70-0068	EA	CALTRANS 705202 15" CONCRETE FLARED END SECTION	1,100.62	168.55
50 89 87 70-0069	EA	CALTRANS 705204 18" CONCRETE FLARED END SECTION	1,336.68	213.35
50 89 87 70-0070	EA	CALTRANS 705205 21" CONCRETE FLARED END SECTION	1,532.80	255.13
50 89 87 70-0071	EA	CALTRANS 705206 24" CONCRETE FLARED END SECTION	1,866.93	295.31
50 89 87 70-0072	EA	CALTRANS 705207 27" CONCRETE FLARED END SECTION	2,261.11	471.62
50 89 87 70-0073	EA	CALTRANS 705208 30" CONCRETE FLARED END SECTION	2,368.54	649.34
50 89 87 70-0074	EA	CALTRANS 705210 36" CONCRETE FLARED END SECTION	3,196.26	819.50
50 89 87 70-0075	EA	CALTRANS 705212 42" CONCRETE FLARED END SECTION	3,845.63	1,028.21
50 89 87 70-0076	EA	CALTRANS 705214 48" CONCRETE FLARED END SECTION	4,174.72	1,159.62
50 89 87 70-0077	EA	CALTRANS 705216 54" CONCRETE FLARED END SECTION	4,679.70	1,298.79
50 89 87 70-0078	EA	CALTRANS 705217 60" CONCRETE FLARED END SECTION	5,183.49	1,298.79
50 89 87 70-0079	EA	CALTRANS 705403 21" X 15" STEEL FLARED END PIPE ARCH SECTION	726.04	87.45
50 89 87 70-0080	EA	CALTRANS 705405 24" X 18" STEEL FLARED END PIPE ARCH SECTION	792.94	95.65
50 89 87 70-0081	EA	CALTRANS 705407 28" X 20" STEEL FLARED END PIPE ARCH SECTION	855.34	103.84
50 89 87 70-0082	EA	CALTRANS 705409 35" X 24" STEEL FLARED END PIPE ARCH SECTION	1,287.04	117.51
50 89 87 70-0083	EA	CALTRANS 705411 42" X 29" STEEL FLARED END PIPE ARCH SECTION	2,453.32	139.29
50 89 87 70-0084	EA	CALTRANS 705413 49" X 33" STEEL FLARED END PIPE ARCH SECTION	3,288.20	162.51
50 89 87 70-0085	EA	CALTRANS 705415 57" X 38" STEEL FLARED END PIPE ARCH SECTION	5,069.05	185.73
50 89 87 70-0086	EA	CALTRANS 705417 64" X 43" STEEL FLARED END PIPE ARCH SECTION	5,807.53	232.15
50 89 87 70-0087	EA	CALTRANS 705419 71" X 47" STEEL FLARED END PIPE ARCH SECTION	7,014.71	278.59

50 89 87 71 EXISTING DRAINAGE FACILITIES *(50 89 87)*

Note: For work on culverts, inlets, headwalls, endwalls, aprons, drains, pipes, gutters, gutter depressions, junction structures, spillways, and check dams. Includes cleaning and preparing, inspecting and evaluating, repairing, rehabilitating, and reinspecting culverts, drain pipes, conduit, risers, downdrains, median drainage inlets, and underdrains per CALTRAN Standard.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 71-0001	EA	CALTRANS 710208 ADJUST FRAME AND COVER TO GRADE	470.65	
50 89 87 71-0002	LF	CALTRANS 710360 CLEANING, INSPECTING, AND PREPARING CULVERT (LF)	57.78	
		For >250 To 500, Deduct	*-2.58*	
		For >500 To 1,000, Deduct	*-5.16*	
		For >1,000 To 2,000, Deduct	*-7.74*	
		For >2,000 To 5,000, Deduct	*-10.32*	
		For >5,000, Deduct	*-12.90*	
50 89 87 71-0003	CY	CALTRANS 710368 CULVERT SLURRY-CEMENT BACKFILL	257.48	
50 89 87 71-0004	CY	CALTRANS 710370 SAND BACKFILL	58.46	
		For Up To 10, Add	*15.71*	
		For >10 To 25, Add	*5.85*	
50 89 87 71-0005	LF	CALTRANS 710372 8" CURED-IN-PLACE PIPELINER	83.96	
		For >10 To 25, Add	*59.15*	
		For >25 To 50, Add	*38.84*	
		For >50 To 100, Add	*19.42*	
		For >500 To 1,000, Deduct	*-2.61*	
		For >1,000 To 2,000, Deduct	*-4.80*	
		For >2,000 To 5,000, Deduct	*-7.41*	
		For >5,000, Deduct	*-11.79*	
50 89 87 71-0006	LF	CALTRANS 710374 10" CURED-IN-PLACE PIPELINER	119.11	
		For >10 To 25, Add	*71.29*	
		For >25 To 50, Add	*47.81*	
		For >50 To 100, Add	*23.90*	
		For >500 To 1,000, Deduct	*-3.40*	
		For >1,000 To 2,000, Deduct	*-6.33*	
		For >2,000 To 5,000, Deduct	*-9.73*	
		For >5,000, Deduct	*-15.60*	
50 89 87 71-0007	LF	CALTRANS 710376 12" CURED-IN-PLACE PIPELINER	141.87	
		For >10 To 25, Add	*81.26*	
		For >25 To 50, Add	*54.83*	
		For >50 To 100, Add	*27.41*	
		For >500 To 1,000, Deduct	*-3.96*	
		For >1,000 To 2,000, Deduct	*-7.40*	
		For >2,000 To 5,000, Deduct	*-11.36*	
		For >5,000, Deduct	*-18.26*	
50 89 87 71-0008	LF	CALTRANS 710378 15" CURED-IN-PLACE PIPELINER	225.18	
		For >10 To 25, Add	*108.18*	
		For >25 To 50, Add	*75.01*	
		For >50 To 100, Add	*37.51*	
		For >500 To 1,000, Deduct	*-5.77*	
		For >1,000 To 2,000, Deduct	*-10.97*	
		For >2,000 To 5,000, Deduct	*-16.74*	
		For >5,000, Deduct	*-27.13*	
50 89 87 71-0009	LF	CALTRANS 710380 18" CURED-IN-PLACE PIPELINER	269.92	
		For >10 To 25, Add	*126.09*	
		For >25 To 50, Add	*87.85*	
		For >50 To 100, Add	*43.92*	
		For >500 To 1,000, Deduct	*-6.83*	
		For >1,000 To 2,000, Deduct	*-13.01*	
		For >2,000 To 5,000, Deduct	*-19.84*	
		For >5,000, Deduct	*-32.20*	
50 89 87 71-0010	LF	CALTRANS 710382 21" CURED-IN-PLACE PIPELINER	348.60	
		For >10 To 25, Add	*150.62*	
		For >25 To 50, Add	*106.39*	
		For >50 To 100, Add	*53.20*	
		For >500 To 1,000, Deduct	*-8.52*	
		For >1,000 To 2,000, Deduct	*-16.34*	
		For >2,000 To 5,000, Deduct	*-24.87*	
		For >5,000, Deduct	*-40.50*	
50 89 87 71-0011	LF	CALTRANS 710384 24" CURED-IN-PLACE PIPELINER	437.92	
		For >10 To 25, Add	*178.76*	
		For >25 To 50, Add	*127.61*	
		For >50 To 100, Add	*63.81*	
		For >500 To 1,000, Deduct	*-10.45*	
		For >1,000 To 2,000, Deduct	*-20.13*	
		For >2,000 To 5,000, Deduct	*-30.59*	
		For >5,000, Deduct	*-49.95*	
50 89 87 71-0012	LF	CALTRANS 710386 27" CURED-IN-PLACE PIPELINER	584.37	
		For >10 To 25, Add	*226.35*	
		For >25 To 50, Add	*163.25*	
		For >50 To 100, Add	*81.62*	
		For >500 To 1,000, Deduct	*-13.65*	
		For >1,000 To 2,000, Deduct	*-26.41*	
		For >2,000 To 5,000, Deduct	*-40.06*	
		For >5,000, Deduct	*-65.57*	
50 89 87 71-0013	LF	CALTRANS 710388 30" CURED-IN-PLACE PIPELINER	650.90	
		For >10 To 25, Add	*251.83*	
		For >25 To 50, Add	*181.66*	
		For >50 To 100, Add	*90.83*	
		For >500 To 1,000, Deduct	*-15.20*	
		For >1,000 To 2,000, Deduct	*-29.40*	
		For >2,000 To 5,000, Deduct	*-44.60*	
		For >5,000, Deduct	*-73.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 71-0014	LF	CALTRANS 710390 36" CURED-IN-PLACE PIPELINER	781.02	
		For >10 To 25, Add	*295.36*	
		For >25 To 50, Add	*214.04*	
		For >50 To 100, Add	*107.02*	
		For >500 To 1,000, Deduct	*-18.07*	
		For >1,000 To 2,000, Deduct	*-35.02*	
		For >2,000 To 5,000, Deduct	*-53.09*	
		For >5,000, Deduct	*-87.00*	
50 89 87 71-0015	LF	CALTRANS 710392 42" CURED-IN-PLACE PIPELINER	912.62	
		For >10 To 25, Add	*342.61*	
		For >25 To 50, Add	*248.66*	
		For >50 To 100, Add	*124.33*	
		For >500 To 1,000, Deduct	*-21.05*	
		For >1,000 To 2,000, Deduct	*-40.83*	
		For >2,000 To 5,000, Deduct	*-61.88*	
		For >5,000, Deduct	*-101.44*	
50 89 87 71-0016	LF	CALTRANS 710394 48" CURED-IN-PLACE PIPELINER	1,046.38	
		For >10 To 25, Add	*395.27*	
		For >25 To 50, Add	*286.51*	
		For >50 To 100, Add	*143.25*	
		For >500 To 1,000, Deduct	*-24.20*	
		For >1,000 To 2,000, Deduct	*-46.91*	
		For >2,000 To 5,000, Deduct	*-71.10*	
		For >5,000, Deduct	*-116.52*	
50 89 87 71-0017	LF	CALTRANS 710396 54" CURED-IN-PLACE PIPELINER	1,369.41	
		For >10 To 25, Add	*510.52*	
		For >25 To 50, Add	*371.04*	
		For >50 To 100, Add	*185.52*	
		For >500 To 1,000, Deduct	*-31.50*	
		For >1,000 To 2,000, Deduct	*-61.13*	
		For >2,000 To 5,000, Deduct	*-92.63*	
		For >5,000, Deduct	*-151.89*	
50 89 87 71-0018	LF	CALTRANS 710398 60" CURED-IN-PLACE PIPELINER	1,745.30	
		For >10 To 25, Add	*665.83*	
		For >25 To 50, Add	*481.66*	
		For >50 To 100, Add	*240.83*	
		For >500 To 1,000, Deduct	*-40.52*	
		For >1,000 To 2,000, Deduct	*-78.48*	
		For >2,000 To 5,000, Deduct	*-119.00*	
		For >5,000, Deduct	*-194.93*	
50 89 87 71-0019	LF	CALTRANS 710400 18" DEFORMED/RE-FORMED HDPE PIPELINER	213.25	
		For >500 To 1,000, Deduct	*-1.56*	
		For >1,000 To 2,000, Deduct	*-3.13*	
		For >2,000, Deduct	*-6.26*	
50 89 87 71-0020	LF	CALTRANS 710402 21" DEFORMED/RE-FORMED HDPE PIPELINER	241.15	
		For >500 To 1,000, Deduct	*-1.70*	
		For >1,000 To 2,000, Deduct	*-3.39*	
		For >2,000, Deduct	*-6.78*	
50 89 87 71-0021	LF	CALTRANS 710404 24" DEFORMED/RE-FORMED HDPE PIPELINER	293.94	
		For >500 To 1,000, Deduct	*-1.85*	
		For >1,000 To 2,000, Deduct	*-3.70*	
		For >2,000, Deduct	*-7.40*	
50 89 87 71-0022	LF	CALTRANS 710434 12" MACHINE SPIRAL WOUND PVC PIPELINER (EXPANDABLE DIAMETER)	32.65	
50 89 87 71-0023	LF	CALTRANS 710436 15" MACHINE SPIRAL WOUND PVC PIPELINER (EXPANDABLE DIAMETER)	48.99	
50 89 87 71-0024	LF	CALTRANS 710438 18" MACHINE SPIRAL WOUND PVC PIPELINER (EXPANDABLE DIAMETER)	65.99	
50 89 87 71-0025	LF	CALTRANS 710440 21" MACHINE SPIRAL WOUND PVC PIPELINER (EXPANDABLE DIAMETER)	81.87	
50 89 87 71-0026	LF	CALTRANS 710442 24" MACHINE SPIRAL WOUND PVC PIPELINER (EXPANDABLE DIAMETER)	107.24	
50 89 87 71-0027	LF	CALTRANS 710444 27" MACHINE SPIRAL WOUND PVC PIPELINER (EXPANDABLE DIAMETER)	128.69	
50 89 87 71-0028	LF	CALTRANS 710446 30" MACHINE SPIRAL WOUND PVC PIPELINER (EXPANDABLE DIAMETER)	147.33	
50 89 87 71-0029	LF	CALTRANS 710448 12" CEMENTITIOUS PIPELINER	75.17	
50 89 87 71-0030	LF	CALTRANS 710450 15" CEMENTITIOUS PIPELINER	84.90	
50 89 87 71-0031	LF	CALTRANS 710452 18" CEMENTITIOUS PIPELINER	90.71	
50 89 87 71-0032	LF	CALTRANS 710454 21" CEMENTITIOUS PIPELINER	97.50	
50 89 87 71-0033	LF	CALTRANS 710456 24" CEMENTITIOUS PIPELINER	104.12	
50 89 87 71-0034	LF	CALTRANS 710458 27" CEMENTITIOUS PIPELINER	109.50	
50 89 87 71-0035	LF	CALTRANS 710460 30" CEMENTITIOUS PIPELINER	114.72	
50 89 87 71-0036	LF	CALTRANS 710462 36" CEMENTITIOUS PIPELINER	109.48	
50 89 87 71-0037	LF	CALTRANS 710478 36" WELDED STEEL PIPELINER	736.62	
50 89 87 71-0038	LF	CALTRANS 710480 42" WELDED STEEL PIPELINER	849.97	
50 89 87 71-0039	LF	CALTRANS 710482 48" WELDED STEEL PIPELINER	966.47	
50 89 87 71-0040	LF	CALTRANS 710484 54" WELDED STEEL PIPELINER	1,179.77	
50 89 87 71-0041	LF	CALTRANS 710486 60" WELDED STEEL PIPELINER	1,276.32	
50 89 87 71-0042	LF	CALTRANS 710488 66" WELDED STEEL PIPELINER	1,394.21	
50 89 87 71-0043	LF	CALTRANS 710490 72" WELDED STEEL PIPELINER	1,665.39	
50 89 87 71-0044	LF	CALTRANS 710491 78" WELDED STEEL PIPELINER	1,757.24	
50 89 87 71-0045	LF	CALTRANS 710492 84" WELDED STEEL PIPELINER	1,860.39	
50 89 87 71-0046	LF	CALTRANS 710494 MACHINE SPIRAL WOUND PVC LINER (GROUTED, ARCH, 42" X 29")	351.24	
50 89 87 71-0047	LF	CALTRANS 710496 MACHINE SPIRAL WOUND PVC LINER (GROUTED, ARCH, 49" X 33")	437.26	
50 89 87 71-0048	LF	CALTRANS 710498 MACHINE SPIRAL WOUND PVC LINER (GROUTED, ARCH, 57" X 38")	541.71	
50 89 87 71-0049	LF	CALTRANS 710500 MACHINE SPIRAL WOUND PVC LINER (GROUTED, ARCH, 64" X 43")	650.70	
50 89 87 71-0050	LF	CALTRANS 710512 42" X 29" WELDED STEEL PIPELINER (ARCH)	818.00	
50 89 87 71-0051	LF	CALTRANS 710514 49" X 33" WELDED STEEL PIPELINER (ARCH)	943.24	
50 89 87 71-0052	LF	CALTRANS 710516 57" X 38" WELDED STEEL PIPELINER (ARCH)	1,072.19	
50 89 87 71-0053	LF	CALTRANS 710518 64" X 43" WELDED STEEL PIPELINER (ARCH)	1,315.14	
50 89 87 71-0054	LF	CALTRANS 710520 71" X 47" WELDED STEEL PIPELINER (ARCH)	1,420.59	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 71-0055	LF	CALTRANS 710522 83" X 57" WELDED STEEL PIPELINER (ARCH)	1,865.20	
50 89 87 71-0056	LF	CALTRANS 710524 HDPE PLASTIC PIPELINER (16" OD SDR 32.5)	72.74	
50 89 87 71-0057	LF	CALTRANS 710526 HDPE PLASTIC PIPELINER (18" OD SDR 32.5)	91.43	
50 89 87 71-0058	LF	CALTRANS 710528 HDPE PLASTIC PIPELINER (20" OD SDR 32.5)	112.32	
50 89 87 71-0059	LF	CALTRANS 710530 HDPE PLASTIC PIPELINER (22" OD SDR 32.5)	129.59	
50 89 87 71-0060	LF	CALTRANS 710532 HDPE PLASTIC PIPELINER (24" OD SDR 32.5)	148.39	
50 89 87 71-0061	LF	CALTRANS 710534 HDPE PLASTIC PIPELINER (26" OD SDR 32.5)	169.44	
50 89 87 71-0062	LF	CALTRANS 710536 HDPE PLASTIC PIPELINER (28" OD SDR 32.5)	191.24	
50 89 87 71-0063	LF	CALTRANS 710538 HDPE PLASTIC PIPELINER (30" OD SDR 32.5)	221.70	
50 89 87 71-0064	LF	CALTRANS 710540 HDPE PLASTIC PIPELINER (32" OD SDR 32.5)	253.65	
50 89 87 71-0065	LF	CALTRANS 710542 HDPE PLASTIC PIPELINER (34" OD SDR 32.5)	280.47	
50 89 87 71-0066	LF	CALTRANS 710544 HDPE PLASTIC PIPELINER (36" OD SDR 32.5)	307.29	
50 89 87 71-0067	LF	CALTRANS 710546 HDPE PLASTIC PIPELINER (39.5" OD SDR 32.5)	351.54	
50 89 87 71-0068	LF	CALTRANS 710548 HDPE PLASTIC PIPELINER (42" OD SDR 32.5)	395.78	
50 89 87 71-0069	LF	CALTRANS 710550 HDPE PLASTIC PIPELINER (48" OD SDR 32.5)	510.10	
50 89 87 71-0070	LF	CALTRANS 710552 HDPE PLASTIC PIPELINER (54" OD SDR 32.5)	622.93	
50 89 87 71-0071	LF	CALTRANS 710554 HDPE PLASTIC PIPELINER (55.3" OD SDR 32.5)	657.88	
50 89 87 71-0072	LF	CALTRANS 710556 HDPE PLASTIC PIPELINER (63.2" OD SDR 32.5)	825.40	
50 89 87 71-0073	LF	CALTRANS 710558 HDPE PLASTIC PIPELINER (16" OD SDR 26)	86.99	
50 89 87 71-0074	LF	CALTRANS 710660 HDPE PLASTIC PIPELINER (18" OD SDR 26)	109.36	
50 89 87 71-0075	LF	CALTRANS 710662 HDPE PLASTIC PIPELINER (20" OD SDR 26)	134.69	
50 89 87 71-0076	LF	CALTRANS 710664 HDPE PLASTIC PIPELINER (22" OD SDR 26)	155.54	
50 89 87 71-0077	LF	CALTRANS 710666 HDPE PLASTIC PIPELINER (24" OD SDR 26)	178.27	
50 89 87 71-0078	LF	CALTRANS 710668 HDPE PLASTIC PIPELINER (26" OD SDR 26)	203.80	
50 89 87 71-0079	LF	CALTRANS 710670 HDPE PLASTIC PIPELINER (28" OD SDR 26)	230.26	
50 89 87 71-0080	LF	CALTRANS 710672 HDPE PLASTIC PIPELINER (30" OD SDR 26)	267.46	
50 89 87 71-0081	LF	CALTRANS 710674 HDPE PLASTIC PIPELINER (32" OD SDR 26)	306.51	
50 89 87 71-0082	LF	CALTRANS 710766 HDPE PLASTIC PIPELINER (34" OD SDR 26)	339.19	
50 89 87 71-0083	LF	CALTRANS 710768 HDPE PLASTIC PIPELINER (36" OD SDR 26)	371.86	
50 89 87 71-0084	LF	CALTRANS 710770 HDPE PLASTIC PIPELINER (39.5" OD SDR 26)	426.16	
50 89 87 71-0085	LF	CALTRANS 710772 HDPE PLASTIC PIPELINER (42" OD SDR 26)	480.45	
50 89 87 71-0086	LF	CALTRANS 710774 HDPE PLASTIC PIPELINER (48" OD SDR 26)	621.63	
50 89 87 71-0087	LF	CALTRANS 710776 HDPE PLASTIC PIPELINER (54" OD SDR 26)	760.97	
50 89 87 71-0088	LF	CALTRANS 710778 HDPE PLASTIC PIPELINER (55.3" OD SDR 26)	803.73	
50 89 87 71-0089	LF	CALTRANS 710780 HDPE PLASTIC PIPELINER (63.2" OD SDR 26)	1,010.31	
50 89 87 71-0090	LF	CALTRANS 710882 HDPE PLASTIC PIPELINER (16" OD SDR 21)	105.39	
50 89 87 71-0091	LF	CALTRANS 710884 HDPE PLASTIC PIPELINER (18" OD SDR 21)	132.52	
50 89 87 71-0092	LF	CALTRANS 710886 HDPE PLASTIC PIPELINER (20" OD SDR 21)	163.58	
50 89 87 71-0093	LF	CALTRANS 710888 HDPE PLASTIC PIPELINER (22" OD SDR 21)	189.05	
50 89 87 71-0094	LF	CALTRANS 710890 HDPE PLASTIC PIPELINER (24" OD SDR 21)	216.86	
50 89 87 71-0095	LF	CALTRANS 710891 HDPE PLASTIC PIPELINER (26" OD SDR 21)	248.18	
50 89 87 71-0096	LF	CALTRANS 710892 HDPE PLASTIC PIPELINER (28" OD SDR 21)	280.66	
50 89 87 71-0097	LF	CALTRANS 710893 HDPE PLASTIC PIPELINER (30" OD SDR 21)	326.56	
50 89 87 71-0098	LF	CALTRANS 710894 HDPE PLASTIC PIPELINER (32" OD SDR 21)	374.78	
50 89 87 71-0099	LF	CALTRANS 710895 HDPE PLASTIC PIPELINER (34" OD SDR 21)	415.03	
50 89 87 71-0100	LF	CALTRANS 710896 HDPE PLASTIC PIPELINER (36" OD SDR 21)	455.28	
50 89 87 71-0101	LF	CALTRANS 710897 HDPE PLASTIC PIPELINER (39.5" OD SDR 21)	522.55	
50 89 87 71-0102	LF	CALTRANS 710898 HDPE PLASTIC PIPELINER (42" OD SDR 21)	589.81	
50 89 87 71-0103	LF	CALTRANS 710899 HDPE PLASTIC PIPELINER (48" OD SDR 21)	765.70	
50 89 87 71-0104	LF	CALTRANS 710900 HDPE PLASTIC PIPELINER (54" OD SDR 21)	939.27	
50 89 87 71-0105	LF	CALTRANS 710902 HDPE PLASTIC PIPELINER (55.3" OD SDR 21)	992.12	
50 89 87 71-0106	LF	CALTRANS 710904 HDPE PLASTIC PIPELINER (63.2" OD SDR 21)	1,249.16	

50 89 88 CALTRANS DIVISION VIII - MISCELLANEOUS CONSTRUCTION *(50 89 80)*

50 89 88 73 CONCRETE CURBS AND SIDEWALKS *(50 89 88)*

50 89 88 73-0001	LF	CALTRANS 730010 MINOR CONCRETE (CURB) (LF), 6" x 18"	27.44	
		For Up To 20, Add	*16.32*	
		For >20 To 50, Add	*9.24*	
		For >50 To 100, Add	*3.54*	
		For >500 To 1,000, Deduct	*-3.54*	
		For >1,000, Deduct	*-5.99*	
50 89 88 73-0002	LF	CALTRANS 730010 MINOR CONCRETE (CURB) (LF), 6" x 24"	31.66	
		For Up To 20, Add	*18.24*	
		For >20 To 50, Add	*10.31*	
		For >50 To 100, Add	*3.97*	
		For >500 To 1,000, Deduct	*-3.97*	
		For >1,000, Deduct	*-6.74*	
50 89 88 73-0003	LF	CALTRANS 730010 MINOR CONCRETE (CURB) (LF), 8" x 18"	29.09	
		For Up To 20, Add	*16.72*	
		For >20 To 50, Add	*9.45*	
		For >50 To 100, Add	*3.64*	
		For >500 To 1,000, Deduct	*-3.64*	
		For >1,000, Deduct	*-6.18*	
50 89 88 73-0004	LF	CALTRANS 730010 MINOR CONCRETE (CURB) (LF), 8" x 24"	33.89	
		For Up To 20, Add	*18.69*	
		For >20 To 50, Add	*10.54*	
		For >50 To 100, Add	*4.08*	
		For >500 To 1,000, Deduct	*-4.08*	
		For >1,000, Deduct	*-6.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 88 73-0005	LF	CALTRANS 730010 MINOR CONCRETE (CURB) (LF), 8" x 36"	47.25	
		For Up To 20, Add	*25.53*	
		For >20 To 50, Add	*14.37*	
		For >50 To 100, Add	*5.58*	
		For >500 To 1,000, Deduct	*-5.58*	
		For >1,000, Deduct	*-9.55*	
50 89 88 73-0006	LF	CALTRANS 730010 MINOR CONCRETE (CURB) (LF), 12" x 24"	41.32	
		For Up To 20, Add	*21.66*	
		For >20 To 50, Add	*12.17*	
		For >50 To 100, Add	*4.75*	
		For >500 To 1,000, Deduct	*-4.75*	
		For >1,000, Deduct	*-8.15*	
50 89 88 73-0007	LF	CALTRANS 730010 MINOR CONCRETE (CURB) (LF), 12" x 36"	58.30	
		For Up To 20, Add	*29.93*	
		For >20 To 50, Add	*16.79*	
		For >50 To 100, Add	*6.57*	
		For >500 To 1,000, Deduct	*-6.57*	
		For >1,000, Deduct	*-11.31*	
50 89 88 73-0008	LF	CALTRANS 730040 MINOR CONCRETE (GUTTER) (LF) 6" x 18"	36.64	
		For Up To 20, Add	*24.84*	
		For >20 To 50, Add	*13.85*	
		For >50 To 100, Add	*5.50*	
		For >500 To 1,000, Deduct	*-4.69*	
		For >1,000, Deduct	*-7.95*	
50 89 88 73-0009	LF	CALTRANS 730040 MINOR CONCRETE (GUTTER) (LF) 6" x 24"	44.39	
		For Up To 20, Add	*30.08*	
		For >20 To 50, Add	*16.76*	
		For >50 To 100, Add	*6.66*	
		For >500 To 1,000, Deduct	*-5.67*	
		For >1,000, Deduct	*-9.61*	
50 89 88 73-0010	LF	CALTRANS 730040 MINOR CONCRETE (GUTTER) (LF) 6" x 30"	57.88	
		For Up To 20, Add	*39.25*	
		For >20 To 50, Add	*21.89*	
		For >50 To 100, Add	*8.68*	
		For >500 To 1,000, Deduct	*-7.42*	
		For >1,000, Deduct	*-12.57*	
50 89 88 73-0011	LF	CALTRANS 730040 MINOR CONCRETE (GUTTER) (LF) 6" x 36"	60.99	
		For Up To 20, Add	*41.33*	
		For >20 To 50, Add	*23.04*	
		For >50 To 100, Add	*9.15*	
		For >500 To 1,000, Deduct	*-7.79*	
		For >1,000, Deduct	*-13.21*	
50 89 88 73-0012	SF	CALTRANS 730070 DETECTABLE WARNING SURFACE	54.38	
50 89 88 73-0013	CY	CALTRANS 731502 MINOR CONCRETE (MISCELLANEOUS CONSTRUCTION)	217.78	
		For Up To 20, Add	*15.03*	
		For >20 To 50, Add	*5.64*	
		For >100 To 200, Deduct	*-4.36*	
		For >200 To 400, Deduct	*-8.71*	
		For >400, Deduct	*-13.07*	
50 89 88 73-0014	SF	CALTRANS 731525 MINOR CONCRETE (SIDEWALK) (SF) 4"	9.88	
		For Up To 100, Add	*4.25*	
		For >100 To 500, Add	*1.21*	
		For >1,000 To 5,000, Deduct	*-0.71*	
		For >5,000, Deduct	*-1.56*	
50 89 88 73-0015	SF	CALTRANS 731525 MINOR CONCRETE (SIDEWALK) (SF) 6"	11.65	
		For Up To 100, Add	*4.83*	
		For >100 To 500, Add	*1.35*	
		For >1,000 To 5,000, Deduct	*-0.77*	
		For >5,000, Deduct	*-1.73*	
50 89 88 73-0016	LF	CALTRANS 731700 REMOVE CURB	13.35	
50 89 88 73-0017	LF	CALTRANS 731710 REMOVE CONCRETE CURB (LF)	17.87	
		For Up To 20, Add	*12.51*	
		For >20 To 50, Add	*7.15*	
		For >50 To 100, Add	*2.68*	
		For >500 To 1,000, Deduct	*-2.68*	
		For >1,000, Deduct	*-4.47*	
50 89 88 73-0018	SY	CALTRANS 731780 REMOVE CONCRETE SIDEWALK (SQYD)	104.92	
		For Up To 100, Add	*43.48*	
		For >100 To 500, Add	*12.15*	
		For >1,000 To 5,000, Deduct	*-6.90*	
		For >5,000, Deduct	*-15.60*	
50 89 88 73-0019	LF	CALTRANS 731840 REMOVE CONCRETE (CURB AND GUTTER)	29.86	
		For Up To 20, Add	*20.90*	
		For >20 To 50, Add	*11.94*	
		For >50 To 100, Add	*4.48*	
		For >500 To 1,000, Deduct	*-4.48*	
		For >1,000, Deduct	*-7.47*	

50 89 88 78 INCIDENTAL CONSTRUCTION *(50 89 88)*

50 89 88 78-0001	EA	CALTRANS 780210 SURVEY MONUMENT (TYPE A)	646.90	
50 89 88 78-0002	EA	CALTRANS 780250 ADJUST MONUMENT COVER TO GRADE	255.29	
50 89 88 78-0003	SF	CALTRANS 780433 PAINT CURB (2-COAT)	4.98	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 88 78-0004	SF	CALTRANS 780460 ANTI-GRAFFITI COATING	1.57	
		For Up To 100, Add	*0.87*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
50 89 88 78-0005	EA	CALTRANS 780500 PARKING BUMPER (PRECAST CONCRETE)	107.02	24.93

50 89 88 80 FENCES *(50 89 88)*

Note: Includes constructing fences and gates, excavation, concrete footing, posts, bracing, tension wire, hardware and grounding material per CALTRAN Standard.

50 89 88 80-0001	LF	CALTRANS 800004 FENCE (TYPE BW, 5-STRAND, WOOD POST)	14.64	
50 89 88 80-0002	LF	CALTRANS 800006 FENCE (TYPE BW, 6-STRAND, WOOD POST)	15.52	
50 89 88 80-0003	LF	CALTRANS 800007 FENCE (TYPE BW, 5-STRAND, METAL POST)	16.80	
50 89 88 80-0004	LF	CALTRANS 800008 FENCE (TYPE BW, 4-STRAND, METAL POST)	15.53	
50 89 88 80-0005	LF	CALTRANS 800010 FENCE (TYPE BW, 4-STRAND, WOOD POST)	13.74	
50 89 88 80-0006	LF	CALTRANS 800016 FENCE (TYPE BW, 6-STRAND, METAL POST)	17.67	
50 89 88 80-0007	LF	CALTRANS 800103 TEMPORARY FENCE (TEMPORARY FENCE (TYPE CL-6)	8.58	
50 89 88 80-0008	LF	CALTRANS 800302 CHAIN LINK FENCE (TYPE CL-3, VINYL-CLAD)	42.95	
		For Up To 100, Add	*8.05*	
		For >100 To 250, Add	*2.95*	
		For >2,500 To 5,000, Deduct	*-1.48*	
		For >5,000, Deduct	*-2.95*	
50 89 88 80-0009	LF	CALTRANS 800310 CHAIN LINK FENCE (TYPE CL-3.5)	41.61	
		For Up To 100, Add	*7.83*	
		For >100 To 250, Add	*2.87*	
		For >2,500 To 5,000, Deduct	*-1.44*	
		For >5,000, Deduct	*-2.87*	
50 89 88 80-0010	LF	CALTRANS 800320 CHAIN LINK FENCE (TYPE CL-4)	43.01	
		For Up To 100, Add	*8.06*	
		For >100 To 250, Add	*2.96*	
		For >2,500 To 5,000, Deduct	*-1.48*	
		For >5,000, Deduct	*-2.96*	
50 89 88 80-0011	LF	CALTRANS 800321 CHAIN LINK FENCE (TYPE CL-4, VINYL-CLAD)	44.57	
		For Up To 100, Add	*8.29*	
		For >100 To 250, Add	*3.03*	
		For >2,500 To 5,000, Deduct	*-1.52*	
		For >5,000, Deduct	*-3.03*	
50 89 88 80-0012	LF	CALTRANS 800340 CHAIN LINK FENCE (TYPE CL-5)	46.29	
		For Up To 100, Add	*8.60*	
		For >100 To 250, Add	*3.14*	
		For >2,500 To 5,000, Deduct	*-1.57*	
		For >5,000, Deduct	*-3.14*	
50 89 88 80-0013	LF	CALTRANS 800341 CHAIN LINK FENCE (TYPE CL-5, VINYL-CLAD)	48.26	
		For Up To 100, Add	*8.90*	
		For >100 To 250, Add	*3.24*	
		For >2,500 To 5,000, Deduct	*-1.62*	
		For >5,000, Deduct	*-3.24*	
50 89 88 80-0014	LF	CALTRANS 800360 CHAIN LINK FENCE (TYPE CL-6)	50.16	
		For Up To 100, Add	*9.29*	
		For >100 To 250, Add	*3.39*	
		For >2,500 To 5,000, Deduct	*-1.70*	
		For >5,000, Deduct	*-3.39*	
50 89 88 80-0015	LF	CALTRANS 800361 CHAIN LINK FENCE (TYPE CL-6, VINYL-CLAD)	54.17	
		For Up To 100, Add	*9.89*	
		For >100 To 250, Add	*3.59*	
		For >2,500 To 5,000, Deduct	*-1.80*	
		For >5,000, Deduct	*-3.59*	
50 89 88 80-0016	LF	CALTRANS 800363 CHAIN LINK FENCE (TYPE CL-6, EXTENSION ARM)	51.82	
		For Up To 100, Add	*9.54*	
		For >100 To 250, Add	*3.48*	
		For >2,500 To 5,000, Deduct	*-1.74*	
		For >5,000, Deduct	*-3.48*	
50 89 88 80-0017	LF	CALTRANS 800365 CHAIN LINK FENCE (TYPE CL-6, SLATTED)	112.82	
		For Up To 100, Add	*19.13*	
		For >100 To 250, Add	*6.75*	
		For >2,500 To 5,000, Deduct	*-3.37*	
		For >5,000, Deduct	*-6.75*	
50 89 88 80-0018	LF	CALTRANS 800400 CHAIN LINK FENCE (TYPE CL-8)	59.15	
		For Up To 100, Add	*10.83*	
		For >100 To 250, Add	*3.94*	
		For >2,500 To 5,000, Deduct	*-1.97*	
		For >5,000, Deduct	*-3.94*	
50 89 88 80-0019	EA	CALTRANS 802100 4' CHAIN LINK GATE (TYPE CL-4)	464.86	
50 89 88 80-0020	EA	CALTRANS 802110 5' CHAIN LINK GATE (TYPE CL-4)	549.62	
50 89 88 80-0021	EA	CALTRANS 802120 6' CHAIN LINK GATE (TYPE CL-4)	646.51	
50 89 88 80-0022	EA	CALTRANS 802180 12' CHAIN LINK GATE (TYPE CL-4)	1,565.03	
50 89 88 80-0023	EA	CALTRANS 802340 8' CHAIN LINK GATE (TYPE CL-5)	980.69	
50 89 88 80-0024	EA	CALTRANS 802400 14' CHAIN LINK GATE (TYPE CL-5)	2,211.92	
50 89 88 80-0025	EA	CALTRANS 802420 16' CHAIN LINK GATE (TYPE CL-5)	2,548.79	
50 89 88 80-0026	EA	CALTRANS 802440 18' CHAIN LINK GATE (TYPE CL-5)	2,847.94	
50 89 88 80-0027	EA	CALTRANS 802500 3' CHAIN LINK GATE (TYPE CL-6)	474.32	
50 89 88 80-0028	EA	CALTRANS 802501 4' CHAIN LINK GATE (TYPE CL-6)	600.21	
50 89 88 80-0029	EA	CALTRANS 802502 4' CHAIN LINK GATE (TYPE CL-6, VINYL-CLAD)	288.91	
50 89 88 80-0030	EA	CALTRANS 802503 4' CHAIN LINK GATE (TYPE CL-6, EXTENSION ARM)	617.03	
50 89 88 80-0031	EA	CALTRANS 802504 4' CHAIN LINK GATE (TYPE CL-6, SLATTED)	639.03	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 88 80-0032	EA	CALTRANS 802510 5' CHAIN LINK GATE (TYPE CL-6)	702.31	
50 89 88 80-0033	EA	CALTRANS 802520 6' CHAIN LINK GATE (TYPE CL-6)	815.77	
50 89 88 80-0034	EA	CALTRANS 802540 8' CHAIN LINK GATE (TYPE CL-6)	1,047.64	
50 89 88 80-0035	EA	CALTRANS 802543 8' CHAIN LINK GATE (TYPE CL-6, EXTENSION ARM)	1,065.97	
50 89 88 80-0036	EA	CALTRANS 802550 9' CHAIN LINK GATE (TYPE CL-6)	1,161.81	
50 89 88 80-0037	EA	CALTRANS 802560 10' CHAIN LINK GATE (TYPE CL-6)	1,719.42	
50 89 88 80-0038	EA	CALTRANS 802580 12' CHAIN LINK GATE (TYPE CL-6)	2,038.47	
50 89 88 80-0039	EA	CALTRANS 802601 14' CHAIN LINK GATE (TYPE CL-6)	2,417.12	
50 89 88 80-0040	EA	CALTRANS 802620 16' CHAIN LINK GATE (TYPE CL-6)	2,741.64	
50 89 88 80-0041	EA	CALTRANS 802640 18' CHAIN LINK GATE (TYPE CL-6)	3,075.48	
50 89 88 80-0042	EA	CALTRANS 802660 20' CHAIN LINK GATE (TYPE CL-6)	3,414.08	
50 89 88 80-0043	EA	CALTRANS 802670 24' CHAIN LINK GATE (TYPE CL-6)	4,103.45	
50 89 88 80-0044	EA	CALTRANS 802840 18' CHAIN LINK GATE (TYPE CL-7)	3,246.22	
50 89 88 80-0045	LF	CALTRANS 802900 CHAIN LINK FENCE (TYPE CL-8, EXTENSION ARM)	60.80	
		For Up To 100, Add	*11.08*	
		For >100 To 250, Add	*4.02*	
		For >2,500 To 5,000, Deduct	*-2.01*	
		For >5,000, Deduct	*-4.02*	
50 89 88 80-0046	EA	CALTRANS 802901 4' CHAIN LINK GATE (TYPE CL-8)	741.13	
50 89 88 80-0047	EA	CALTRANS 802902 4' CHAIN LINK GATE (TYPE CL-8, EXTENSION ARM)	757.95	
50 89 88 80-0048	EA	CALTRANS 802920 6' CHAIN LINK GATE (TYPE CL-8)	992.04	
50 89 88 80-0049	EA	CALTRANS 802941 8' CHAIN LINK GATE (TYPE CL-8, EXTENSION ARM)	1,288.80	
50 89 88 80-0050	EA	CALTRANS 803010 14' CHAIN LINK GATE (TYPE CL-10, VINYL_CLAD)	1,584.19	
50 89 88 80-0051	LF	CALTRANS 803050 REMOVE CHAIN LINK FENCE	5.98	
		For Up To 100, Add	*1.50*	
		For >100 To 250, Add	*0.60*	
		For >2,500 To 5,000, Deduct	*-0.30*	
		For >5,000, Deduct	*-0.60*	
50 89 88 80-0052	EA	CALTRANS 803060 REMOVE GATE	313.16	
50 89 88 80-0053	EA	CALTRANS 803160 RESET GATE	1,593.70	
50 89 88 80-0054	LF	CALTRANS 803180 RELOCATE CHAIN LINK FENCE	33.01	

50 89 89 CALTRANS DIVISION IX - TRAFFIC CONTROL DEVICES *(50 89 80)*

50 89 89 81 MISCELLANEOUS TRAFFIC CONTROL DEVICES *(50 89 89)*

50 89 89 81-0001	EA	CALTRANS 810120 REMOVE PAVEMENT MARKER	3.02	
		For >100, Deduct	*-0.30*	
50 89 89 81-0002	EA	CALTRANS 810220 PAVEMENT MARKER (NON-REFLECTIVE)	7.50	3.02
		For >100, Deduct	*-0.75*	
50 89 89 81-0003	EA	CALTRANS 810230 PAVEMENT MARKER (RETROREFLECTIVE)	8.64	3.02
		For >100, Deduct	*-0.86*	
50 89 89 81-0004	EA	CALTRANS 810250 PAVEMENT MARKER (RETROREFLECTIVE-RECESSED)	83.42	35.42

50 89 89 82 SIGNS AND MARKERS *(50 89 89)*

50 89 89 82-0001	EA	CALTRANS 820110 MILEPOST MARKER	210.64	
50 89 89 82-0002	SF	CALTRANS 820750 FURNISH SINGLE SHEET ALUMINUM SIGN (0.063"-UNFRAMED)	20.60	42.33
50 89 89 82-0003	SF	CALTRANS 820760 FURNISH SINGLE SHEET ALUMINUM SIGN (0.080"-UNFRAMED)	21.40	27.40

50 89 89 83 RAILINGS AND BARRIERS *(50 89 89)*

50 89 89 83-0001	LF	CALTRANS 832006 MIDWEST GUARDRAIL SYSTEM (STEEL POST)	60.78	11.97
50 89 89 83-0002	LF	CALTRANS 832007 MIDWEST GUARDRAIL SYSTEM (WOOD POST)	120.79	16.99
50 89 89 83-0003	LF	CALTRANS 839303 SINGLE THRIE BEAM BARRIER (STEEL POST)	141.36	3.27
50 89 89 83-0004	LF	CALTRANS 839752 REMOVE GUARDRAIL	11.97	

50 89 89 84 MARKINGS *(50 89 89)*

50 89 89 84-0001	LF	CALTRANS 840505 6" THERMOPLASTIC TRAFFIC STRIPE	2.10	
		For Up To 5,000 LF, Add	*0.42*	
		For >25,000 LF, Deduct	*-0.32*	
50 89 89 84-0002	LF	CALTRANS 840506 8" THERMOPLASTIC TRAFFIC STRIPE	2.77	
		For Up To 5,000 LF, Add	*0.55*	
		For >25,000 LF, Deduct	*-0.42*	
50 89 89 84-0003	LF	CALTRANS 840507 6" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 8-4)	1.24	
		For Up To 5,000 LF, Add	*0.25*	
		For >25,000 LF, Deduct	*-0.19*	
50 89 89 84-0004	LF	CALTRANS 840508 8" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 12-3)	1.04	
		For Up To 5,000 LF, Add	*0.21*	
		For >25,000 LF, Deduct	*-0.16*	
50 89 89 84-0005	SF	CALTRANS 840515 THERMOPLASTIC PAVEMENT MARKING	8.46	
50 89 89 84-0006	SF	CALTRANS 840519 THERMOPLASTIC CROSSWALK AND PAVEMENT MARKING	8.46	
50 89 89 84-0007	LF	CALTRANS840522 6" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 6-1)	0.69	
		For Up To 5,000 LF, Add	*0.14*	
		For >25,000 LF, Deduct	*-0.10*	
50 89 89 84-0008	LF	CALTRANS 840528 6" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 12-3)	0.80	
		For Up To 5,000 LF, Add	*0.16*	
		For >25,000 LF, Deduct	*-0.12*	
50 89 89 84-0009	LF	CALTRANS 840529 6" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 36-12)	0.95	
		For Up To 5,000 LF, Add	*0.19*	
		For >25,000 LF, Deduct	*-0.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 89 84-0010	LF	CALTRANS 840530 6" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 17-7)	1.09	
		For Up To 5,000 LF, Add	*0.22*	
		For >25,000 LF, Deduct	*-0.16*	
50 89 89 84-0011	LF	CALTRANS 840531 6" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 18-12)	1.53	
		For Up To 5,000 LF, Add	*0.31*	
		For >25,000 LF, Deduct	*-0.23*	
50 89 89 84-0012	LF	CALTRANS 840550 8" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 36-12)	1.23	
		For Up To 5,000 LF, Add	*0.25*	
		For >25,000 LF, Deduct	*-0.18*	
50 89 89 84-0013	LF	CALTRANS 840583 6" TWO-COMPONENT PAINT TRAFFIC STRIPE	0.88	
		For Up To 5,000 LF, Add	*0.18*	
		For >25,000 LF, Deduct	*-0.13*	
50 89 89 84-0014	LF	CALTRANS 840584 8" TWO-COMPONENT PAINT TRAFFIC STRIPE	1.07	
		For Up To 5,000 LF, Add	*0.21*	
		For >25,000 LF, Deduct	*-0.16*	
50 89 89 84-0015	LF	CALTRANS 840610 8" TWO-COMPONENT PAINT TRAFFIC STRIPE BROKEN 12-3)	0.54	
		For Up To 5,000 LF, Add	*0.11*	
		For >25,000 LF, Deduct	*-0.08*	
50 89 89 84-0016	LF	CALTRANS 840612 6" TWO-COMPONENT PAINT TRAFFIC STRIPE (BROKEN 6-1)	0.48	
		For Up To 5,000 LF, Add	*0.10*	
		For >25,000 LF, Deduct	*-0.07*	
50 89 89 84-0017	LF	CALTRANS 840614 6" TWO-COMPONENT PAINT TRAFFIC STRIPE (BROKEN 12-3)	0.57	
		For Up To 5,000 LF, Add	*0.11*	
		For >25,000 LF, Deduct	*-0.09*	
50 89 89 84-0018	LF	CALTRANS 840616 6" TWO-COMPONENT PAINT TRAFFIC STRIPE (BROKEN 36-12)	0.42	
		For Up To 5,000 LF, Add	*0.08*	
		For >25,000 LF, Deduct	*-0.06*	
50 89 89 84-0019	LF	CALTRANS 840618 6" TWO-COMPONENT PAINT TRAFFIC STRIPE (BROKEN 17-7)	0.57	
		For Up To 5,000 LF, Add	*0.11*	
		For >25,000 LF, Deduct	*-0.09*	
50 89 89 84-0020	LF	CALTRANS 840620 6" TWO-COMPONENT PAINT TRAFFIC STRIPE (BROKEN 18-12)	0.67	
		For Up To 5,000 LF, Add	*0.13*	
		For >25,000 LF, Deduct	*-0.10*	
50 89 89 84-0021	LF	CALTRANS 840622 6" TWO-COMPONENT PAINT TRAFFIC STRIPE (BROKEN 8-4)	0.57	
		For Up To 5,000 LF, Add	*0.11*	
		For >25,000 LF, Deduct	*-0.09*	
50 89 89 84-0022	LF	CALTRANS 840624 8" TWO-COMPONENT PAINT TRAFFIC STRIPE (BROKEN 36-12)	0.71	
		For Up To 5,000 LF, Add	*0.14*	
		For >25,000 LF, Deduct	*-0.11*	
50 89 89 84-0023	SF	CALTRANS 840637 TWO-COMPONENT PAINT PAVEMENT MARKING	7.14	
50 89 89 84-0024	SF	CALTRANS 840651 PAINTED STALL LINES AND PAVEMENT MARKINGS	5.35	
50 89 89 84-0025	LF	CALTRANS 840655 PAINT TRAFFIC STRIPE (1-COAT) - 4" Wide	0.31	
		For Up To 5,000 LF, Add	*0.06*	
		For >25,000 LF, Deduct	*-0.05*	
50 89 89 84-0026	LF	CALTRANS 840655 PAINT TRAFFIC STRIPE (1-COAT) - 6" Wide	0.40	
		For Up To 5,000 LF, Add	*0.08*	
		For >25,000 LF, Deduct	*-0.06*	
50 89 89 84-0027	LF	CALTRANS 840655 PAINT TRAFFIC STRIPE (1-COAT) - 8" Wide	0.51	
		For Up To 5,000 LF, Add	*0.10*	
		For >25,000 LF, Deduct	*-0.08*	
50 89 89 84-0028	LF	CALTRANS 840656 PAINT TRAFFIC STRIPE (2-COAT) - 4" Wide	0.61	
		For Up To 5,000 LF, Add	*0.12*	
		For >25,000 LF, Deduct	*-0.09*	
50 89 89 84-0029	LF	CALTRANS 840656 PAINT TRAFFIC STRIPE (2-COAT) - 6" Wide	0.78	
		For Up To 5,000 LF, Add	*0.16*	
		For >25,000 LF, Deduct	*-0.12*	
50 89 89 84-0030	LF	CALTRANS 840656 PAINT TRAFFIC STRIPE (2-COAT) - 8" Wide	1.01	
		For Up To 5,000 LF, Add	*0.20*	
		For >25,000 LF, Deduct	*-0.15*	
50 89 89 84-0031	SF	CALTRANS 840665 PAINT PAVEMENT MARKING (1-COAT)	5.25	
50 89 89 84-0032	SF	CALTRANS 840666 PAINT PAVEMENT MARKING (2-COAT)	8.01	
50 89 89 84-0033	LF	CALTRANS 846020 REMOVE PAINTED TRAFFIC STRIPE	2.47	
		For Up To 250, Add	*1.24*	
		For >250 To 1,000, Add	*0.62*	
		For >5,000 To 10,000, Deduct	*-0.37*	
		For >10,000 To 25,000, Deduct	*-0.62*	
		For >25,000 To 50,000, Deduct	*-0.86*	
		For >50,000, Deduct	*-0.99*	
50 89 89 84-0034	SF	CALTRANS 846025 REMOVE PAINTED PAVEMENT MARKING	4.26	
		For Up To 250, Add	*2.13*	
		For >250 To 1,000, Add	*1.07*	
		For >5,000 To 10,000, Deduct	*-0.64*	
		For >10,000 To 25,000, Deduct	*-1.07*	
		For >25,000 To 50,000, Deduct	*-1.49*	
		For >50,000, Deduct	*-1.70*	
50 89 89 84-0035	LF	CALTRANS 846030 REMOVE THERMOPLASTIC TRAFFIC STRIPE	3.75	
		For Up To 250, Add	*1.88*	
		For >250 To 1,000, Add	*0.94*	
		For >5,000 To 10,000, Deduct	*-0.56*	
		For >10,000 To 25,000, Deduct	*-0.94*	
		For >25,000 To 50,000, Deduct	*-1.31*	
		For >50,000, Deduct	*-1.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 89 84-0036	SF	CALTRANS 846035 REMOVE THERMOPLASTIC PAVEMENT MARKING	5.43	
		For Up To 250, Add	*2.72*	
		For >250 To 1,000, Add	*1.36*	
		For >5,000 To 10,000, Deduct	*-0.81*	
		For >10,000 To 25,000, Deduct	*-1.36*	
		For >25,000 To 50,000, Deduct	*-1.90*	
		For >50,000, Deduct	*-2.17*	

END OF SECTION 50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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